ISSN: 0090-1423

NATIONAL LIBRARY of MEDICINE

CUMULATED INDEX MEDICUS

VOLUME 25, 1984

SUBJECT INDEX SI-Z

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
8600 Rockville Pike
Bethesda, Maryland 20209

NIH Publication No. 85-259

National Library of Medicine Cataloging in Publication

ZW
1
I384

Cumulated Index medicus. -- Vol. 1 (Jan.-Dec. 1960)- . --
Chicago : American Medical Association ; Washington, D.C. :
Supt. of Docs., U.S. G.P.O. [distributor], 1961-
v.
Vols. for 1965- issued by the National Library of Medicine.
Continues: Quarterly cumulative Index medicus.
Annual cumulation of the monthly issues of Index medicus.
Vols. for 1971-1978 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.
Issues for 1967- include Bibliography of medical reviews.
ISSN 0090-1423 = Cumulated Index medicus.

1. Bibliography of Medicine 2. Medicine - indexes I. Bibliography of medical reviews II. Index medicus III. American Medical Association. IV. National Library of Medicine (U.S.) V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

© *All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention.*

This book is printed on acid-free paper for permanence.

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

CUMULATED INDEX MEDICUS
CONTENTS

Book 1

PREFACE

INTRODUCTION

ACCESS TO ARTICLES CITED

MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED—Abbreviation Listing 895

Full Title Listing 963

BIBLIOGRAPHY OF MEDICAL REVIEWS—

Subject Index 1041

CUMULATED INDEX MEDICUS—

Author Index A-Bs 1467

Book 3 Author Index Bu-Gs

Book 4 Author Index Gu-L

Book 5 Author Index M-R

Book 6 Author Index S-Z

Book 7 Subject Index A-Bli

Book 8 Subject Index Blo-Cu

Book 9 Subject Index Cy-Fo

Book 10 Subject Index Fr-Ins

Book 11 Subject Index Int-Moh

Book 12 Subject Index Mol-Pi

Book 13 Subject Index Pl-Sk

Book 14 Subject Index Sl-Z

Tomaszek DE, et al. **Surg Neurol** 1984 Feb;21(2):182–4

PATHOLOGY

Meningiomas invading the temporal bone with extension to the neck. Nager GT, et al. **Am J Otolaryngol** 1983 Sep–Oct; 4(5):297–324
Ocular changes in invasive osteogenic sarcoma of the skull. Manor RS, et al. **Ann Ophthalmol** 1984 Jan;16(1):68–74
Primary osteogenic sarcoma of the skull (report of a case). Sikinder Hayath M, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):319–20
Cranial chordomas in children and young adults. Wold LE, et al. **J Neurosurg** 1983 Dec;59(6):1043–7
Fibrous histiocytomas of the oral and maxillofacial regions. Thompson SH, et al. **J Oral Pathol** 1984 Jun;13(3):282–94
Extracranial presentation of craniocervical chordoma. Berryhill BH, et al. **Laryngoscope** 1984 Aug;94(8):1063–5
Malignant giant cell tumor of the frontal bone. Herize M, et al. **NY State J Med** 1984 Apr;84(4):201–2
[Primary osteosarcoma of the base of the skull in Garcin syndrome] Ratfisch D.
Psychiatr Neurol Med Psychol (Leipz) 1984 Apr;36(4):210–4 (Eng. Abstr.) **(Ger)**
[Rare ethmoidal pathology: osteoblastoma?] Pirodda A.
Acta Otorhinolaryngol Ital 1984 Mar–Apr;4(2):221–9 (Eng. Abstr.) **(Ita)**
[A case of giant cell tumor of the sphenoid bone—special emphasis on its clinico-radiological features and radiosensitivity] Matsumoto M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):413–8 (Eng. Abstr.) **(Jpn)**
[Primary intracranial yolk sac tumor developing in the frontal lobe from the inside of the sphenoidal ridge] Sugawara T, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):401–6 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Radiation for medulloblastoma adjusted to prevent recurrence to the cribriform plate region. Jereb B, et al. **Cancer** 1984 Aug 1;54(3):602–4

RADIOGRAPHY

Pneumatization of the occipital bone as a cause of radiolucent skull lesions. Lo WW, et al. **AJNR** 1983 Nov–Dec; 4(6):1249–50
Jugular foramen: anatomic and computed tomographic study. Daniels DL, et al. **AJR** 1984 Jan;142(1):153–8
Benign osteoblastoma. Report of a case and review of the literature. Clutter DJ, et al. **Arch Otolaryngol** 1984 May; 110(5):334–6
The radiological diagnosis of jugular paragangliomas--the value of computed tomography. Hertzanu Y, et al.
J Laryngol Otol 1984 May;98(5):503–8
Epidural hygroma of the posterior fossa [letter] Vilalta J, et al. **J Neurosurg** 1983 Nov;59(5):913–5
Paragangliomas of the temporal bone: high-resolution CT studies. Chakeres DW, et al. **Radiology** 1984 Mar; 150(3):749–53
Radiologic approach to paragangliomas of the temporal bone. Curtin HD. **Radiology** 1984 Mar;150(3):837–8
High-resolution CT in the evaluation of glomus tumors of the temporal bone. Lo WW, et al. **Radiology** 1984 Mar; 150(3):737–42
The contribution of computed tomography to the management of glomus tumors of the temporal bone. Valavanis A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(5):411–5
Capillary hemangioma of the sphenoid bone. Suss RA, et al. **Skeletal Radiol** 1984;11(2):102–7
Case report 249. Osteoblastoma with secondary aneurysmal bone cyst of the frontal bone. Tehranzadeh J, et al.
Skeletal Radiol 1983;10(4):276–80
Voluminous benign osteoblastoma of the skull. Berciano J, et al. **Surg Neurol** 1983 Nov;20(5):383–6
[Isolated ethmoid meningioma. Apropos of a case] Moncade J, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(6):459–61 (Eng. Abstr.) **(Fre)**
[Chordoma of the base of the skull and tomodensitometry] Pascaud JL, et al. **Ann Radiol (Paris)** 1983 Sep–Oct; 26(6):513–4 (Eng. Abstr.) **(Fre)**
[Radiologic diagnosis of the orbit and anterior cranial fossa] Mödder U. **Rontgenblatter** 1984 May;37(5):157–63 (19 ref.) (Eng. Abstr.) **(Ger)**
[Chemodectoma of the pterygomaxillary fossa] Re G, et al. **Minerva Stomatol** 1983 Sep–Oct;32(5):749–52 (Eng. Abstr.) **(Ita)**
[Intracranial chondrosarcoma. Report of two cases] Furuno M, et al. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):123–8 (Eng. Abstr.) **(Jpn)**
[Radiographic picture of osteolysis in cranial epidermoids] Fagul'a J, et al. **Cesk Radiol** 1983 Nov;37(6):395–401 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Accumulation of bone scanning agent in multiple myeloma. Freeman ML, et al. **Clin Nucl Med** 1984 Jan;9(1):49
Radionuclide blood pool imaging of calvarial hemangioma. Gavant ML, et al. **Clin Nucl Med** 1983 Oct;8(10):495–6
Skull scintigraphy. Intracranial osteoma. Karl RD Jr, et al. **Clin Nucl Med** 1983 Dec;8(12):626–7
[Diagnostic value of bone scintigraphy in otorhinolaryngology] Deitmer T, et al. **HNO** 1984 May; 32(5):194–9 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

The treatment of glomus tumors in the temporal bone by megavoltage radiation. Cummings BJ, et al. **Cancer** 1984 Jun 15;53(12):2635–40
Radiotherapy of paragangliomas. Lybeert ML, et al.
Clin Otolaryngol 1984 Apr;9(2):105–9
[Results of radiation treatment of lymphomas of the nasopharynx and adjacent face-skull regions] Dühmke E, et al. **Strahlentherapie [Sonderb]** 1984;78:146–56 **(Ger)**

SECONDARY

A metastatic glomus jugulare tumor. A temporal bone report. El Fiky FM, et al. **Am J Otol** 1984 Jan;5(3):197–200
Papilledema in the metastatic jugular foramen syndrome. Graus F, et al. **Arch Neurol** 1983 Dec;40(13):816–8
A case of metastasizing benign pleomorphic adenoma of the parotid. Morrison PD, et al. **Clin Oncol** 1984 Jun; 10(2):173–6
Secondary malignant tumour of the temporal bone presenting as jaw joint dysfunction. Worthington P.
J Laryngol Otol 1983 Dec;97(12):1157–61
Sudden deafness and vertigo due to inner ear hemorrhage—a temporal bone case report. Johnson A, et al.
J Otolaryngol 1984 Aug;13(4):201–7
Lesions metastatic to the infratemporal fossa: report of a case and review of the literature. Kaplan JN, et al.
Otolaryngol Head Neck Surg 1984 Apr;92(2):241–6
Jugular foramen syndrome as a complication of metastatic cancer of the prostate. Wilson H, et al. **South Med J** 1984 Jan;77(1):92–3
[Increased incidence of skull metastases in neuroblastoma] Alberts AS, et al. **S Afr Med J** 1984 Jul 14;66(2):62–3 (Eng. Abstr.) **(Afr)**
[Surgical treatment of naso-sinus tumors invading the anterior region of the base of the skull. Problems encountered during exploration, and repair of bone and dura mater] Peynegre R, et al.
Ann Otolaryngol Chir Cervicofac 1984;101(3):169–75 (Eng. Abstr.) **(Fre)**
[A case of thyroid carcinoma with temporal bone metastasis] Sasaki J, et al. **Gan No Rinsho** 1984 Feb;30(2):162–6 (Eng. Abstr.) **(Jpn)**
[Metastatic Ewing's sarcoma of the occipital squama causing non-communicating hydrocephalus. Case report] Tani S, et al. **Neurol Med Chir (Tokyo)** 1983 Apr;23(4):311–6 (Eng. Abstr.) **(Jpn)**
[Subdural hematoma due to metastatic dural carcinomatosis associated with DIC—a case report] Hirashima Y, et al. **No Shinkei Geka** 1983 Jun;11(6):651–6 (Eng. Abstr.) **(Jpn)**
[A case of skull and dural metastases of carcinoid tumor of the urinary bladder] Murayama K, et al.
No Shinkei Geka 1983 Jun;11(6):643–9 (Eng. Abstr.) **(Jpn)**
[Cranial metastasis and hepatic tumor. Report of an anatomo-clinical case] Reixach R, et al. **Rev Clin Esp** 1983 Nov 15;171(3):211–3 **(Spa)**
[Extraneural metastasis of medulloblastoma. Report of a case] Couselo Sánchez JM, et al. **Rev Esp Oncol** 1982;29(1):63–8 **(Spa)**

SURGERY

Anterior cranial fossa tumors. Jackson IT, et al.
Ann Plast Surg 1983 Dec;11(6):479–89
Long-term observation of total temporal bone resection in carcinoma of the middle ear and temporal bone. Wu BT, et al. **Chin Med J [Engl]** 1984 Mar;97(3):205–10
Treatment of tumors involving the anterior cranial fossa. Jackson IT, et al. **Head Neck Surg** 1984 May–Jun; 6(5):901–13
Musculocutaneous flaps for head and neck reconstruction. Bueno RA, et al. **J Tenn Med Assoc** 1983 Oct;76(10):637–43
Schwannomas of the jugular foramen. Crumley RL, et al. **Laryngoscope** 1984 Jun;94(6):772–8
Total en bloc resection of the temporal bone and carotid artery for malignant tumors of the ear and temporal bone. Graham MD, et al. **Laryngoscope** 1984 Apr;94(4):528–33
Treatment of recurrent carcinoma at the base of the skull with carbon dioxide laser. Rontal M, et al.
Laryngoscope 1983 Oct;93(10):1261–5
Aneurysmal bone cyst of the ethmoid sinus. Jordan RC, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):562–5
Transsphenoidal surgery for tumors of the clivus. Laws ER Jr. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):100–1
Giant fibrous osteoma. Sofferman RA.
Otolaryngol Head Neck Surg 1983 Oct;91(5):559–62
[Diagnosis and surgical treatment of tumors at the base of skull] Zhao MY.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1983 Aug; 16(4):221–3 (Eng. Abstr.) **(Chi)**
[Total ethmoidectomy by a combined extradural frontal and lateral paranasal approach] Portmann M, et al.
Bull Acad Natl Med (Paris) 1983 Mar;167(3):239–43 (Eng. Abstr.) **(Fre)**
[Enlarged transbasal approach by mobilization of the medial fronto-orbital ridge] Cophignon J, et al. **Neurochirurgie** 1983;29(6):407–10 (Eng. Abstr.) **(Fre)**
[Surgery of bone tumors of the base of the skull] Derome P. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):283–5 **(Fre)**
[Schwannoma of the pterygomaxillary fossa, excision by transmandibular approach] Gaillard A, et al.
Rev Stomatol Chir Maxillofac 1984;85(1):63–5 (Eng. Abstr.) **(Fre)**
[Tumor of the scalp invading the skull. Status after scalp removal and Reverdin's grafts] Maillard GF, et al.
Schweiz Rundsch Med Prax 1984 Apr 17;73(16):503–5 (Eng. Abstr.) **(Fre)**
[Aneurysmal bone cysts of the base of the skull] Siedschlag WD, et al. **Zentralbl Neurochir** 1983;44(4):329–33 (Eng. Abstr.) **(Ger)**
[Chordoma of the clivus. Rhino-neurosurgical collaboration] Semeria C, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr; 4(2):213–9 (Eng. Abstr.) **(Ita)**
[A case of huge neurofibroma expanding extra- and intracranially through the enlarged jugular foramen—CT scan findings and surgical approach] Hanakita J, et al.
No Shinkei Geka 1984 Jan;12(1):109–13 (Eng. Abstr.) **(Jpn)**
[Surgical tactics for removal of cranio-orbital meningiomas] Trosh RM. **Klin Khir** 1984 May;(5):51–2 **(Rus)**
[Chordoma of the clivus: treatment and selection of a surgical approach] Citić R, et al. **Vojnosanit Pregl** 1983 Sep–Oct; 40(5):335–40 (Eng. Abstr.) **(Scr)**

THERAPY

Rhabdomyosarcoma of the temporal bone. Chasin WD.
Ann Otol Rhinol Laryngol [Suppl] 1984 Jul–Aug;112:71–3
Chordomas of the skull base. Mills RP. **J R Soc Med** 1984 Jan;77(1):10–6

SKUNKS see under **CARNIVORA**

SLAUGHTERHOUSES see **ABATTOIRS**

SLEEP

Abnormal respiratory pattern generation during sleep in patients with autonomic dysfunction [letter] Guilleminault C, et al. **Am Rev Respir Dis** 1984 Mar;129(3):512–3
The effect of oxygen on sleep, blood gases, and ventilation in cystic fibrosis. Spier S, et al. **Am Rev Respir Dis** 1984 May;129(5):712–8
Whole body oxygen consumption in awake, sleeping, and anesthetized dogs. Mikat M, et al. **Anesthesiology** 1984 Mar; 60(3):220–7
A 13-month work-leisure-sleep environment fungal survey. Rogers SA. **Ann Allergy** 1984 May;52(5):338–41
Sleep latency and lifestyle in Oxfordshire villages. Palmer CD, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):417–28
The flexed elbow and sleep [letter] Walpin LA.
Arch Phys Med Rehabil 1984 Jan;65(1):51
Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. Swanson HH, et al. **Br J Nutr** 1984 Jul;52(1):139–48
Myocardial stress. Exercise versus sleep in patients with COPD. Shepard JW Jr, et al. **Chest** 1984 Sep;86(3):366–74
Effect of sleep on quazepam kinetics. Hilbert JM, et al.
Clin Pharmacol Ther 1984 Jul;36(1):99–104
The assessment of nocturnal oxygen saturation. Meanock CI, et al. **Clin Sci** 1983 Nov;65(5):507–13
Teledyne Sleep Sentry: evaluation in pediatric patients for detection of nocturnal hypoglycemia. Hansen KA, et al. **Diabetes Care** 1983 Nov–Dec;6(6):597–600
Morningness-eveningness preferences and sleep-waking dairy data of morning and evening types in student and worker samples. Mecacci L, et al. **Ergonomics** 1983 Dec; 26(12):1147–53
Caregiver disruptions and sleep of high-risk infants. Duxbury ML, et al. **Heart Lung** 1984 Mar;13(2):141–7
Intercorrelation between sleep and activity patterns in Otmoor villagers. Palmer CD, et al. **Hum Biol** 1983 Dec; 55(4):749–62
Ovulation detection by monitoring temperature during sleep. Weinberg ZA, et al. **IEEE Trans Biomed Eng** 1983 Sep; 30(9):619–20
Chronic depressions. Part 2. Sleep EEG differentiation of primary dysthymic disorders from anxious depressions. Akiskal HS, et al. **J Affective Disord** 1984 Jun;6(3–4):287–95
Electroencephalogram and neuroendocrine parameters in pubertal and adolescent depressed children. A case report study. Mendlewicz J, et al. **J Affective Disord** 1984 Jun; 6(3–4):265–72
Bedtimes of 11 to 14-year-old children in north-east England. Rugg-Gunn AJ, et al. **J Biosoc Sci** 1984 Apr; 16(2):291–7
Anxiety as a personality dimension of short and long sleepers. Kumar A, et al. **J Clin Psychol** 1984 Jan;40(1):197–8
Plasma norepinephrine in normal young and aged men: relationship with sleep. Prinz PN, et al. **J Gerontol** 1984 Sep;39(5):561–7
Bruxing patterns in man during sleep. Clarke NG, et al.
J Oral Rehabil 1984 Mar;11(2):123–7
Night waking in 4- to 8-month-old infants. Weissbluth M, et al. **J Pediatr** 1984 Mar;104(3):477–80
Incidence of mandibular dysfunction symptoms in individuals who remove their complete dentures during sleep. Hansen CA, et al. **J Prosthet Dent** 1984 Jan;51(1):16–8
Nocturnal muscle activity in the edentulous patient with and without dentures. von Gonten AS, et al.

J Prosthet Dent 1984 May;51(5):709–13

Nocturnal oxygen desaturation in sickle cell anemia [letter] Walsh JK, et al. JAMA 1983 Nov 25;250(20):2789–90

Mechanisms of nocturnal angina pectoris: importance of increased myocardial oxygen demand in patients with severe coronary artery disease. Quyyumi AA, et al. Lancet 1984 Jun 2;1(8388):1207–9

Effect of a fleecy woollen underlay on sleep. Dickson PR. Med J Aust 1984 Jan 21;140(2):87–9

Breath hydrogen analysis during sleep [letter] Robb TA, et al. Med J Aust 1984 Jan 7;140(1):53–4

Continuous monitoring of respiratory variables during sleep by microcomputer. West P, et al. Methods Inf Med 1983 Oct;22(4):198–203

Effect of tetrabenazine on tics and sleep of Gilles de la Tourette's syndrome. Jankovic J, et al. Neurology (NY) 1984 May;34(5):688–92

Case report: polysomnographic effects of thalamotomy for torsion dystonia. Jankel WR, et al. Neurosurgery 1984 Apr; 14(4):495–8

Interaction between personal sleep–wake rhythms and psychiatric hospital rest–activity schedule. Floyd JA. Nurs Res 1984 Sep–Oct;33(5):255–9

Cosleeping in urban families with young children in the United States. Lozoff B, et al. Pediatrics 1984 Aug; 74(2):171–82

Hypnotizability: correlations with daydreaming and sleeping. Kunzendorf R, et al. Psychol Rep 1983 Oct;53(2):406

Neuroticism, extraversion and sex differences in short and long sleepers. Skinner NF. Psychol Rep 1983 Oct; 53(2):669–70

A computer–compatible method for observing falling asleep behavior of hospitalized children. White MA, et al. Res Nurs Health 1983 Dec;6(4):191–8

Bibliography of recent literature in sleep research. Citations retrieved by brain information service. Sleep 1983; 6(3):294–302

[Sleep] Demoulin. Arch Belg 1983;41(11–12):496–7 (Fre)

[Respiratory problems during sleep] Junod AF. Schweiz Med Wochenschr 1984 Jul 21;114(29):1034–7 (Eng. Abstr.) (Fre)

[Control of breathing during sleep] Lavie P, et al. Harefuah 1983 Nov 15;105(10):317–22 (Heb)

[Male impotence. 13. Differential diagnosis of impotence by polygraphic monitoring of overnight sleep] Takanami M, et al. Nippon Hinyokika Gakkai Zasshi 1983 Jul; 74(7):1219–27 (Eng. Abstr.) (Jpn)

[Reliability of a sleep self–evaluation questionnaire] Gorenstein C. AMB 1983 Sep–Oct;29(9–10):155–7 (Eng. Abstr.) (Por)

[Effect of microclimate on the night sleep and physical endurance of sailors during sea voyages in low latitudes] Novozhilov GN, et al. Voen Med Zh 1983 Jul;(7):54–6 (Rus)

DRUG EFFECTS

Effects of methoxamine, and alpha–1 adrenoceptor agonist, and prazosin, an alpha–1 antagonist, on the stages of the sleep–waking cycle in the cat. Hilakivi I, et al. Acta Physiol Scand 1984 Mar;120(3):363–72

Sleep–promoting effects of endogenous pyrogen (interleukin–1). Krueger JM, et al. Am J Physiol 1984 Jun; 246(6 Pt 2):R994–9

Nighttime and daytime efficacy of flurazepam and oxazepam in chronic insomnia. Bliwise D, et al. Am J Psychiatry 1984 Feb;141(2):191–5

Flurazepam attenuates the arousal response to CO2 during sleep in normal subjects. Hedemark LL, et al. Am Rev Respir Dis 1983 Dec;128(6):980–3

Differential effects of benzodiazepines on EEG activity and hypnogenic mechanisms of the brain stem in cats. Mariotti M, et al. Arch Int Pharmacodyn Ther 1983 Aug; 264(2):203–19

Recovery from pentobarbital–induced sleep after administration of perfluorinated blood substitutes. Lutz J, et al. Artif Organs 1984 Feb;8(1):41–3

Effects of a single dose of flurazepam on the sleep of healthy volunteers. Ancoli–Israel S, et al. Arzneimittelforsch 1984; 34(1):99–100

Effects of midazolam on sleep in normal subjects. Krieger J, et al. Arzneimittelforsch 1983;33(7):1000–2

Automatic scoring of polygraphic sleep recordings: midazolam in insomniacs. Gath I, et al. Br J Clin Pharmacol 1983;16 Suppl 1:89S–96S

Midazolam: effects on psychomotor performance and subjective aspects of sleep and sedation in normal volunteers. Gudgeon AC, et al. Br J Clin Pharmacol 1983; 16 Suppl 1:121S–126S

Effects of brotizolam, flurazepam and placebo upon nocturnal auditory arousal thresholds. Hartse KM, et al. Br J Clin Pharmacol 1983;16 Suppl 2:355S–364S

Effects of midazolam on sleep in normal subjects. Krieger J, et al. Br J Clin Pharmacol 1983;16 Suppl 1:79S–80S

Midazolam: sleep and performance studies in middle age. Nicholson AN, et al. Br J Clin Pharmacol 1983;16 Suppl 1:115S–119S

Brotizolam: studies of effects on sleep and on performance in young adulthood and in middle age. Nicholson AN. Br J Clin Pharmacol 1983;16 Suppl 2:365S–369S

Effects of oral and intravenous midazolam, triazolam and flunitrazepam on the sleep–wakefulness cycle of rabbits. Scherschlicht R, et al. Br J Clin Pharmacol 1983;16 Suppl 1:29S–35S

Hypnotic efficacy and clinical safety of midazolam in shift–workers. Scollo–Lavizzari G. Br J Clin Pharmacol 1983;16 Suppl 1:73S–78S

Effect of midazolam on sleep of insomniacs. Vogel GW, et al. Br J Clin Pharmacol 1983;16 Suppl 1:103S–108S

Site–specific enhancement and suppression of desynchronized sleep signs following cholinergic stimulation of three brainstem regions. Baghdoyan HA, et al. Brain Res 1984 Jul 23;306(1–2):39–52

Effect of S–adenosyl–L–homocysteine upon sleep in p–chlorophenylalanine pretreated rats. Louis–Coindet J, et al. Brain Res 1984 Mar 5;294(2):239–45

Effects of antibiotics, minocycline and ampicillin, on human sleep. Nonaka K, et al. Brain Res 1983 Dec 12; 288(1–2):253–9

The effects of clonidine on EEG wavebands associated with sleep in the rat. Pastel RH, et al. Brain Res 1984 May 23; 300(2):243–55

Electrocortical activity patterns during chloral hydrate induced sleep in developing rats. Corner M, et al. Brain Res Bull 1984 Jan;12(1):77–81

Effect of l–tetrahydropalmatine on sleep–waking cycle of cats. Buda C, et al. Chung Kuo Yao Li Hsueh Pao 1984 Mar;5(1):5–8

Influence of FLA–63 on pentobarbitone sleep in chicks and rats. Wambebe C, et al. Clin Exp Pharmacol Physiol 1983 Sep–Oct;10(5):555–66

Differential effects of amitriptyline and of zimelidine on the sleep electroencephalogram of depressed patients. Shipley JE, et al. Clin Pharmacol Ther 1984 Aug;36(2):251–9

Hypnotic action of ethyl beta–carboline–3–carboxylate, a benzodiazepine receptor antagonist, in cats. Kaijima M, et al. Electroencephalogr Clin Neurophysiol 1984 Sep; 58(3):277–81

Flurazepam and triazolam: dose–response and time–response evaluation on cat sleep. Novack GD, et al. Electroencephalogr Clin Neurophysiol 1984 Mar; 57(3):277–88

A comparison of the effects of S–adenosyl–L–homocysteine on sleep in normal and pinealectomized rats. Sarda N, et al. Electroencephalogr Clin Neurophysiol 1983 Nov; 56(5):467–72

Influence of therapeutic phenobarbital and phenytoin medication on the polygraphic sleep of patients with epilepsy. Wolf P, et al. Epilepsia 1984 Aug;25(4):467–75

The effects of lormetazepam on aspects of sleep and early morning performance. Subhan Z, et al. Eur J Clin Pharmacol 1983;25(1):47–51

Brotizolam: a sleep laboratory evaluation. Vela–Bueno A, et al. Eur J Clin Pharmacol 1983;25(1):53–6

Xylazine–induced sedation in chicks is inhibited by opiate receptor antagonists. Ruskoaho H, et al. Eur J Pharmacol 1984 Apr 13;100(1):91–6

Effects of macrolide antibiotics on barbiturate sleeping time in mice. Descotes J, et al. Experientia 1983 Dec 15; 39(12):1389–90

Influence of some serotoninergic agents on nitrazepam–induced sleep in the domestic fowl (Gallus domesticus). Wambebe C. Gen Pharmacol 1983;14(5):491–5

Changes in sleep cycle and EEG of rats exposed to 4000 ppm toluene for four weeks. Hisanaga N, et al. Ind Health 1983;21(3):153–64

Changes in sleep–waking rhythms of rats following a single injection of toluene. Nakagagi K, et al. Ind Health 1983; 21(3):165–74

Effect of acute and chronic treatment with cimetidine and ranitidine on depressant effect of diazepam [letter] Shah GF, et al. Indian J Physiol Pharmacol 1983 Jul–Sep; 27(3):245–8

The effects of midazolam in conjunction with alcohol on sleep, psychomotor performance and car driving ability. Hindmarch I, et al. Int J Clin Pharmacol Res 1983; 3(5):323–9

Polygraphical sleep recordings in insomniac patients under zopiclone or nitrazepam. Jovanovic UJ, et al. Int Pharmacopsychiatry 1982;17 Suppl 2:136–45

Zopiclone: sleep and performance studies in healthy man. Nicholson AN, et al. Int Pharmacopsychiatry 1982;17 Suppl 2:92–7

Synaptic mechanisms and circuitry involved in motoneuron control during sleep. Chase MH. Int Rev Neurobiol 1983; 24:213–58 (57 ref.)

Commentary––avoiding problems in the sleep laboratory. Kales A, et al. J Clin Psychopharmacol 1984 Aug;4(4):227–9

Comparative hypnotic effects of flurazepam, triazolam, and placebo: a long–term simultaneous nighttime and daytime study. Mitler MM, et al. J Clin Psychopharmacol 1984 Feb; 4(1):2–13

Lipid solubility is correlated with hypnotic and hypothermic responses of long–sleep (LS) and short–sleep (SS) mice to various depressant drugs. Howerton TC, et al. J Pharmacol Exp Ther 1983 Nov;227(2):389–93

Adenosine analogs and sleep in rats. Radulovacki M, et al. J Pharmacol Exp Ther 1984 Feb;228(2):268–74

Sleeping times evoked by alpha adrenoceptor agonists in two–day–old chicks: an experimental model to evaluate full and partial agonists at central alpha–2 adrenoceptors. Roach AG, et al. J Pharmacol Exp Ther 1983 Nov; 227(2):421–8

Effects of L–tryptophan on sleepiness and on sleep. Hartmann E. J Psychiatr Res 1982–83;17(2):107–13 (14 ref.)

Quantifying the effects of mild sedatives. Leathwood PD, et al. J Psychiatr Res 1982–83;17(2):115–22 (17 ref.)

Comparison of the effects of acute and subchronic administration of Aroclor 1254, a commercial mixture of polychlorinated biphenyls, on pentobarbital–induced sleep time and [14C]pentobarbital disposition in mice. Rosin DL, et al. J Toxicol Environ Health 1983 Apr–Jun; 11(4–6):917–31

A TRH analog (DN–1417): effects on local cerebral glucose utilization in conscious and pentobarbitalized rats determined by the autoradiographic 2–deoxy–[14C]glucose method. Nagai Y, et al. Jpn J Pharmacol 1983 Jun; 33(3):635–45

Comparative study on the effects of haloxazolam and estazolam, new sleep inducing drugs, on the alpha– and gamma–motor systems. Sakai Y. Jpn J Pharmacol 1983 Oct; 33(5):1017–25

Influence of some GABAergic agents on nitrazepam–induced sleep in the domestic fowl (Gallus domesticus). Wambebe C. Jpn J Pharmacol 1983 Dec;33(6):1111–8

Theophylline delays human sleep phase. Okudaira N, et al. Life Sci 1984 Mar 5;34(10):933–8

Muramyl peptides: immunomodulators, sleep factors, and vitamins. Adam A, et al. Med Res Rev 1984 Apr–Jun; 4(2):111–52 (271 ref.)

Analeptic effects of centrally injected TRH and analogues of TRH in the pentobarbitone–anaesthetized rat. Sharp T, et al. Neuropharmacology 1984 Mar;23(3):339–48

The effects of adenosine and 2'–deoxycoformycin on sleep and wakefulness in rats. Virus RM, et al. Neuropharmacology 1983 Dec;22(12A):1401–4

Effect of valproic acid treatment on spike–wave discharge patterns during sleep and wakefulness. Burr W, et al. Neuropsychobiology 1983;10(1):56–9

Comparison between the central effects of camazepam and temazepam. Computerized analysis of sleep recordings. Ferrillo F, et al. Neuropsychobiology 1984;11(1):72–6

Effects of DSIP in man. Multifunctional psychophysiological properties besides induction of natural sleep. Schneider–Helmert D, et al. Neuropsychobiology 1983; 9(4):197–206

Adrenal glucocorticoids as a required factor in the development of ethanol tolerance in mice. Sze PY, et al. Neuropsychobiology 1983;9(4):207–10

Drug effects on sleep–wakefulness patterns in dogs. Wauquier A. Neuropsychobiology 1983;10(1):60–4

Analysis of the action of the neuropeptide–inducing delta–sleep in cats and white rats. Karmanova IG, et al. Neurosci Behav Physiol 1983 Nov–Dec;13(6):476–81

Does synthetic Delta Sleep–Inducing Peptide possess hypnogenic properties? Koval'zon VM, et al. Neurosci Behav Physiol 1983 Jul–Aug;13(4):243–4

Antagonism of alcohol hypnosis by blockade of prostaglandin synthesis and activity: genotype and time course effects. George FR, et al. Pharmacol Biochem Behav 1983 Jul; 19(1):131–6

Chlordiazepoxide–induced potentiation of hexobarbitone sleeping time is reduced by ACTH(1–24). Vellucci SV. Pharmacol Biochem Behav 1984 Jul;21(1):39–41

Zopiclone: sleep and performance studies in healthy man. Nicholson AN, et al. Pharmacology 1983;27 Suppl 2:92–7

Suprachiasmatic nuclei lesions eliminate circadian temperature and sleep rhythms in the rat. Eastman CI, et al. Physiol Behav 1984 Mar;32(3):357–68

Rhythms of barbiturate–induced sleep time in deermice entrained to non–twenty–four hour photocycles. Forger NG, et al. Physiol Behav 1983 Sep;31(3):379–83

Effect of adrenergic blockers on the dog's sleep–wake pattern. Gordon CR, et al. Physiol Behav 1984 Mar; 32(3):345–50

Effects of RS 86, an orally active cholinergic agonist, on sleep in man. Spiegel R. Psychiatry Res 1984 Jan;11(1):1–13

Time interval between sequential exposures to ethanol is critical for the development of neural tolerance or sensitivity. Giknis ML, et al. Psychopharmacology (Berlin) 1984;82(3):229–32

Sleep, benzodiazepines and performance: issues and comments. Hindmarch I, et al. Psychopharmacology Suppl 1984;1:194–202

Psychological performance models as indicators of the effects of hypnotic drugs on sleep. Hindmarch I. Psychopharmacology Suppl 1984;1:58–68 (33 ref.)

Behavioral sensitivity to purinergic drugs parallels ethanol sensitivity in selectively bred mice. Proctor WR, et al. Science 1984 May 4;224(4648):519–21

Nicotine potentiates sodium pentobarbital but not ethanol induced sleep. Modak AT, et al. Subst Alcohol Actions Misuse 1983;4(4):321–9

Effect of methylmercury chloride on sleep–waking rhythms in rats. Arito H, et al. Toxicology 1983 Nov;28(4):335–45

[Waking effect in the rat of semi–chronic treatment with oxolinic acid (letter)] Tognetti P, et al. Presse Med 1984 Jun 9;13(24):1514–5 (Fre)

[Effect of non–prescription soporific on the sleep polygram of healthy volunteers] Spiegel R, et al. Schweiz Rundsch Med Prax 1984 Feb 7;73(6):169–73 (Eng. Abstr.) (Ger)

[Sleep in chronic chorea patients after therapy with sodium valproate] Puca FM, et al. Boll Soc Ital Biol Sper 1984 May 30;60(5):989–92 (Eng. Abstr.) (Ita)

[Sex difference in the effects of delta 9–tetrahydrocannabinol and cannabidiol on pentobarbital–induced sleeping time and

hepatic microsomal drug metabolizing enzyme systems in mice] Hamajima K, et al. **Yakugaku Zasshi** 1983 Dec; 103(12):1289–97 (Eng. Abstr.) **(Jpn)**

[Effect of a marked rise in slow–wave sleep in warm–blooded animals due to endogenous substances from the tissues of hibernating animals] Pastukhov IuF, et al. **Dokl Akad Nauk SSSR** 1984;275(2):510–2 **(Rus)**

[Changes in the wakefulness–sleep cycle in mice induced by endogenous substances from the tissues of the susliks Citellus parryi and C. undulatus during hibernation] Pastukhov IuF, et al. **Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):327–30 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Plasma somatostatin level during natural and interrupted nocturnal sleep in man. Saito H, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):129–33

Effects of nasal occlusion on respiration in sleep. Evidence of inheritability of sleep apnea proneness. Lavie P, et al. **Acta Otolaryngol (Stockh)** 1984 Jan–Feb;97(1–2):127–30

Conditioned modification of viscerosensory evoked potentials during sleep and wakefulness in cats. Kukorelli T, et al. **Acta Physiol Hung** 1983;61(4):247–58

Tonic and phasic modifications of viscerosensory evoked potentials during sleep in cats. Kukorelli T, et al. **Acta Physiol Hung** 1983;61(4):237–46

Study of cyclic structure of daytime sleep in normal infants aged 2 to 12 months. Wladimirova G. **Acta Physiol Pharmacol Bulg** 1983;9(2):62–9

Differentiation of normal and disturbed sleep by automatic analysis. Hasan J. **Acta Physiol Scand [Suppl]** 1983; 526:1–103

Highlights of the Sixth European Sleep Congress. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):383–94

Sleep after forty. Mendelson WB. **Am Fam Physician** 1984 Jan;29(1):135–9

CO2 balance of a heterothermic rodent: comparison of sleep, torpor, and awake states. Bickler PE. **Am J Physiol** 1984 Jan;246(1 Pt 2):R49–55

Timing of human sleep: recovery process gated by a circadian pacemaker. Daan S, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R161–83

Rhythmic variations in R–R interval during sleep and wakefulness in puppies and dogs. Haddad GG, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H67–73

Forced activity alters sleep cycle periodicity and dorsal raphe discharge rhythm. Lydic R, et al. **Am J Physiol** 1984 Jul; 247(1 Pt 2):R135–45

Impact of a circadian clock on the timing of human sleep. Winfree AT. **Am J Physiol** 1983 Oct;245(4):R497–504

Is there a relationship between eating disorder and affective disorder? New evidence from sleep recordings. Katz JL, et al. **Am J Psychiatry** 1984 Jun;141(6):753–9

EEG sleep evaluation of depression in borderline patients. McNamara E, et al. **Am J Psychiatry** 1984 Feb;141(2):182–6

Persistent psychophysiologic insomnia: preliminary Research Diagnostic Criteria and EEG sleep data. Reynolds CF 3d, et al. **Am J Psychiatry** 1984 Jun;141(6):804–5

Respiratory pauses during sleep in near–miss sudden infant death syndrome. Bazzy AR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):973–6

Does flurazepam ingestion affect breathing and oxygenation during sleep in patients with chronic obstructive lung disease? Block AJ, et al. **Am Rev Respir Dis** 1984 Feb; 129(2):230–3

Studies of oxygenation during sleep in patients with interstitial lung disease. Bye PT, et al. **Am Rev Respir Dis** 1984 Jan;129(1):27–32

Effects of a face mask and pneumotachograph on breathing in sleeping infants. Dolfin T, et al. **Am Rev Respir Dis** 1983 Dec;128(6):977–9

Determinants of the ventilatory responses to hypoxia during sleep. Santiago TV, et al. **Am Rev Respir Dis** 1984 Aug; 130(2):179–82

Effect of baclofen on sleep–related periodic leg movements. Guilleminault C, et al. **Ann Neurol** 1984 Mar;15(3):234–9

Growth hormone secretion in prepubertal children with major depression. II. Sleep–related plasma concentrations during a depressive episode. Puig–Antich J, et al. **Arch Gen Psychiatry** 1984 May;41(5):463–6

Growth hormone secretion in prepubertal children with major depression. IV. Sleep–related plasma concentrations in a drug–free, fully recovered clinical state. Puig–Antich J, et al. **Arch Gen Psychiatry** 1984 May;41(5):479–83

Adaptation to irregularity of rest and activity. Nicholson AN, et al. **Aviat Space Environ Med** 1984 Feb;55(2):102–12

Suckling in the rat: evidence for patterned behavior during sleep. Shair H, et al. **Behav Neurosci** 1984 Apr;98(2):366–70

Electrodermal asymmetry during human sleep. Freixa i Baqué E, et al. **Biol Psychol** 1983 Sep–Nov;17(2–3):145–51

Neonatal food restriction: its effects on the sleep cycles and vigil behavior of adult rats. Salas M, et al. **Bol Estud Med Biol** 1983 Jan–Apr;32(5–6):209–15

Ethanol–induced modulation of the membrane potential and synaptic activity of trigeminal motoneurons during sleep and wakefulness. Baranyi A, et al. **Brain Res** 1984 Jul 30; 307(1–2):233–45

Alterations in membrane potential and excitability of cat medial pontine reticular formation neurons during changes in naturally occurring sleep–wake states. Ito K, et al. **Brain Res** 1984 Jan 30;292(1):169–75

The time–course of dorsal raphe discharge, PGO waves, and muscle tone averaged across multiple sleep cycles. Lydic R, et al. **Brain Res** 1983 Sep 12;274(2):365–70

Effect of ambient temperature on the sleep–walking cycle in two strains of mice. Roussel B, et al. **Brain Res** 1984 Feb 27;294(1):67–73

Total calorimetric measurements in the rat: influences of the sleep–wakefulness cycle and of the environmental temperature. Schmidek WR, et al. **Brain Res** 1983 Dec 12;288(1–2):261–71

Effects of pneumotachographic recording of breathing on sleep and respiration during sleep. Krieger J, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):641–4

Sleep EEG studies in ischemic brain stem lesions. Preliminary report. Ziegler B, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(2):65–70

Pituitary secretions and wake–sleep cycle. Passouant P. **Cephalalgia** 1983 Aug;3 Suppl 1:42–53

Cardiopulmonary hemodynamics during sleep in subjects with chronic obstructive pulmonary disease. The effect of short– and long–term oxygen. Fletcher EC, et al. **Chest** 1984 Jan;85(1):6–14

Breathing during sleep in chronic obstructive pulmonary disease. State of the art. Phillipson EA, et al. **Chest** 1984 Jun;85(6 Suppl):24S–30S (47 ref.)

Cyclic variation of integrated spindle components during nocturnal sleep in mentally retarded children. Shibagaki M, et al. **Clin Electroencephalogr** 1984 Jan;15(1):40–6

Impedance pneumography for long–term monitoring of respiration during sleep in adult males. Larsen VH, et al. **Clin Physiol** 1984 Aug;4(4):333–42

Protein synthesis, bodily renewal and the sleep–wake cycle. Adam K, et al. **Clin Sci** 1983 Dec;65(6):561–7 (101 ref.)

Human sleep and tissue restitution: some qualifications and doubts. Horne JA. **Clin Sci** 1983 Dec;65(6):569–77 (89 ref.)

Sleep and waking in the three–toed sloth, Bradypus tridactylus. De Moura Filho AG, et al. **Comp Biochem Physiol [A]** 1983;76(2):345–55

Sleep and breathing: an overview. Orr WC. **Ear Nose Throat J** 1984 May;63(5):191–8

Changes in circadian sleep and waking patterns after somatosensory deafferentation in the cat. Bowersox SS, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):623–7

Log amplitude is a linear function of log frequency in NREM sleep eeg of young and elderly normal subjects. Feinberg I, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug; 58(2):158–60

Septal influences on the activity of hippocampal neurones during sleep. Franzini C, et al. **Electroencephalogr Clin Neurophysiol** 1983 Nov;56(5):473–9

Reappearance of EEG slow waves in extended sleep. Gagnon P, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug; 58(2):155–60

Effect of local 5,6–dihydroxytryptamine on the rat olfactory bulb responsiveness during wakefulness and sleep. Gervais R, et al. **Electroencephalogr Clin Neurophysiol** 1984 May; 57(5):462–72

Ultrashort sleep–waking schedule. II. Relationship between ultradian rhythms in sleepability and the REM–non–REM cycles and effects of the circadian phase. Lavie P, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jan;57(1):35–42

Patterns of daytime sleepiness in narcoleptics and normals: a pupillometric study. Pressman MR, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb; 57(2):129–33

Interictal epileptic activity during sleep: a stereo–EEG study in patients with partial epilepsy. Rossi GF, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug: 58(2):97–106

Long term stability of rat sleep quantified by microcomputer analysis. Vivaldi EA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep; 58(3):253–65

Sleep and growth hormone secretion in women athletes. Walsh BT, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun;57(6):528–31

Potential distribution of vertex sharp wave and saw–toothed wave on the scalp. Yasoshima A, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;58(1):73–6

The relationship between sleep circadian rhythm and central feedback mechanism of gonadal steroid in female guinea pigs. Yamaoka S. **Endocrinol Jpn** 1983 Jun;30(3):339–51

Relationship of prolactin release in lactating rats to milk ejection, sleep state, and ultrasonic vocalization by the pups. Voloschin LM, et al. **Endocrinology** 1984 Feb; 114(2):618–23

The diagnostic value of the sleep EEG with and without sleep deprivation in patients with atypical absences. Degen R, et al. **Epilepsia** 1983 Oct;24(5):557–66

Hypothalamic temperature during desynchronized sleep. Parmeggiani PL, et al. **Exp Brain Res** 1984;54(2):315–20

Paroxysmal discharges during paradoxical sleep anticipating the occurrence of focal motor seizures in cats. Cepeda C, et al. **Exp Neurol** 1984 Apr;84(1):225–30

Role of medullary reticular neurons in the inhibition of trigeminal motoneurons during active sleep. Chase MH, et al. **Exp Neurol** 1984 May;84(2):364–73

Effects of pontine lesions on brain stem polyneuronal activity during sleep in infant rats. Corner M, et al. **Exp Neurol** 1984 Jun;84(3):489–93

Sleep states attenuate the pressor response to central amygdala stimulation. Frysinger RC, et al. **Exp Neurol** 1984 Mar;83(3):604–17

Preoptic area unit activity during sleep and wakefulness in the cat. Kaitin KI. **Exp Neurol** 1984 Feb;83(2):347–57

Activity during active sleep of bulbar reticular neurons firing rhythmically during mastication in cats. Nakamura Y, et al. **Exp Neurol** 1984 Jul;85(1):178–86

Sleep influences on diaphragmatic motor unit discharge. Sieck GC, et al. **Exp Neurol** 1984 Aug;85(2):316–35

Dopamine–containing ventral tegmental area neurons in freely moving cats: activity during the sleep–waking cycle and effects of stress. Trulson ME, et al. **Exp Neurol** 1984 Feb;83(2):367–77

Work schedules and sleep. Akerstedt T. **Experientia** 1984 May 15;40(5):417–22 (83 ref.)

Homeostatic and adaptive roles of human sleep. Benoit O. **Experientia** 1984 May 15;40(5):437–40

Night shift paralysis. Folkard S, et al. **Experientia** 1984 May 15;40(5):510–2

To what extent can sleep be influenced by diurnal activity? Foret J. **Experientia** 1984 May 15;40(5):422–5

The organization and regulation of sleep. A review of the experimental evidence and a novel integrated model of the organizing and regulating apparatus. Koella WP. **Experientia** 1984 Apr 15;40(4):309–38 (258 ref.)

The sleep–wakefulness rhythm, exogenous and endogenous factors (in man). Minors DS, et al. **Experientia** 1984 May 15;40(5):410–6 (48 ref.)

Ambient temperature and human sleep. Muzet A, et al. **Experientia** 1984 May 15;40(5):425–9

Sleep disturbance due to transportation noise: ear plugs vs oral drugs. Vallet M, et al. **Experientia** 1984 May 15; 40(5):429–37

Effect of sleep on swallowing, esophageal peristalsis, and acid clearance. Orr WC, et al. **Gastroenterology** 1984 May;86(5 Pt 1):814–9

The time course of slow wave sleep and REM sleep in habitual long and short sleepers: effect of prior wakefulness. Benoit O, et al. **Hum Neurobiol** 1983;2(2):91–6

Electroencephalographic features of slow sleep in epilepsy. Biniaurishvili RG, et al. **Hum Physiol** 1982 Nov–Dec; 8(6):396–402

Involvement of the baroreceptor reflexes in the changes in blood pressure with sleep and mental arousal. Conway J, et al. **Hypertension** 1983 Sep–Oct;5(5):746–8

Nocturnal sleep and wakefulness: effects of age and sex in normal sleepers. Bixler EO, et al. **Int J Neurosci** 1984 Mar; 23(1):33–42

Biopsychobehavioral correlates of insomnia, III: Polygraphic findings of sleep difficulty and their relationship to psychopathology. Kales A, et al. **Int J Neurosci** 1984 Mar; 23(1):43–55

Individual variations in awakening times, daytime alertness and somnograms as a function of ad libitum extended sleep. Taub JM. **Int J Neurosci** 1983 Nov;21(3–4):237–50

Individual variations in the sleep of depression. Taub JM. **Int J Neurosci** 1984 Aug;23(4):269–80

Aqueous humor flow during sleep. Reiss GR, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):776–8

Effects of traffic noise on quality of sleep: assessment by EEG, subjective report, or performance the next day. Wilkinson RT, et al. **J Acoust Soc Am** 1984 Feb; 75(2):468–75

Relationship between EEG sleep measures and clinical ratings of depression. A revisit. Kupfer DJ, et al. **J Affective Disord** 1984 Feb;6(1):43–52

Sleep and neuroendocrine disturbances in catatonia. A case report. Linkowski P, et al. **J Affective Disord** 1984 Aug; 7(1):87–92

Respiratory response to intraesophageal acid infusion in asthmatic children during sleep. Davis RS, et al. **J Allergy Clin Immunol** 1983 Oct;72(4):393–8

Overall 'gain' of the respiratory control system in normoxic humans awake and asleep. Honda Y, et al. **J Appl Physiol** 1983 Nov;55(5):1530–5

Contribution of hypoventilation to sleep oxygen desaturation in chronic obstructive pulmonary disease. Hudgel DW, et al. **J Appl Physiol** 1983 Sep;55(3):669–77

Mechanics of the respiratory system and breathing pattern during sleep in normal humans. Hudgel DW, et al. **J Appl Physiol** 1984 Jan;56(1):133–7

Arousal and breathing responses to airway occlusion in healthy sleeping adults. Issa FG, et al. **J Appl Physiol** 1983 Oct;55(4):1113–9

Postnatal maturation of ventilation and breathing pattern in kittens: influence of sleep. Marlot D, et al. **J Appl Physiol** 1984 Feb;56(2):321–5

Heat production during sleep. Shapiro CM, et al. **J Appl Physiol** 1984 Mar;56(3):671–7

Cardiac arrhythmias induced by transient hypertension during sleep–waking states. Trelease RB, et al. **J Auton Nerv Syst** 1983 Jul;8(3):179–91

A proposed mathematical model for sleep patterning. Lawder RE. **J Biomed Eng** 1984 Jan;6(1):63–9

Correlation between ventilation and brain blood flow during sleep. Santiago TV, et al. **J Clin Invest** 1984 Feb; 73(2):497–506

Arousal responses to chemical stimuli during sleep. Bowes G. **J Dev Physiol** 1984 Jun;6(3):207–13

Longitudinal development of sleep–related respiratory disturbance in adult humans. Bliwise D, et al. **J Gerontol** 1984 May;39(3):290–3

Effects of age on auditory awakening thresholds. Zepelin

H, et al. **J Gerontol** 1984 May;39(3):294–300

Changes in sleep architecture associated with acute split–sleep. Fukuda H, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:245–57

Sleep patterns and fatigue symptoms in permanent night workers and shift workers. Ishibashi T, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:317–23

Sleep problems in night and shift work. Kogi K. **J Hum Ergol (Tokyo)** 1982;11 Suppl:217–31

Effects of nighttime naps on sleep patterns of shiftworkers. Matsumoto K, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:279–89

Quantitative and qualitative aspects of sleep in 50–56 years old self–selected shiftworkers. Meulenbergs M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:457–64

Comparison between autorhythmometric methods and a baseline measurement of circadian rhythms in night–workers. Moog R, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:385–91

Circadian variation of cortisol and catecholamines following shifted wake–sleep schedules. Mori K. **J Hum Ergol (Tokyo)** 1982;11 Suppl:21–32

Restorative power of naps in designing continuous work schedules. Naitoh P, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:259–78

Age and long term shiftwork with mental load: their effects on sleep. Pavard B, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:303–9

Industrial shift and night work practices in Asian developing countries. Perera SE. **J Hum Ergol (Tokyo)** 1982;11 Suppl:201–8

A permanent night work system in the electronics industry. Saito Y. **J Hum Ergol (Tokyo)** 1982;11 Suppl:399–407

Shiftworker sleep strategies. Tepas DI. **J Hum Ergol (Tokyo)** 1982;11 Suppl:325–36

Effects of night shift on sleep patterns of nurses. Torii S, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:233–44

Patterns and duration of sleep in permanent security night guards. Vokac Z, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:311–6

Physiological limits of locomotive drivers on successive night shifts in the People's Republic of China. Xia WS, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:393–8

Multiple Sleep Latency Test findings in Kleine–Levin syndrome. Reynolds CF, et al. **J Nerv Ment Dis** 1984 Jan; 172(1):41–4

A categorical approach to changes in latency, awakening, and sleep length in older subjects. Webb WB, et al. **J Nerv Ment Dis** 1984 May;172(5):291–5

Changes in brain glycogen during slow–wave sleep in the rat. Karnovsky ML, et al. **J Neurochem** 1983 Nov; 41(5):1498–501

Location and spike–train characteristics of cells in anterodorsal pons having selective decreases in firing rate during desynchronized sleep. Hobson JA, et al. **J Neurophysiol** 1983 Oct;50(4):770–83

Lateral geniculate nucleus unitary discharge in sleep and waking: state– and rate–specific aspects. McCarley RW, et al. **J Neurophysiol** 1983 Oct;50(4):798–818

Mechanisms of hypoxia–induced periodic breathing during sleep in humans. Berssenbrugge A, et al. **J Physiol (Lond)** 1983 Oct;343:507–26

The development of stability of respiration in human infants: changes in ventilatory responses to spontaneous sighs. Fleming PJ, et al. **J Physiol (Lond)** 1984 Feb;347:1–16

Relationship between the three–hour–period sleep–wakefulness cycle and growth hormone secretion in the immature rat. Kawakami M, et al. **J Physiol (Lond)** 1984 Mar;348:271–83

Does 'anchor sleep' entrain circadian rhythms? Evidence from constant routine studies. Minors DS, et al. **J Physiol (Lond)** 1983 Dec;345:451–67

Possible role of the opioid peptides in sleep. Wilson L, et al. **Med Hypotheses** 1984 Jul;14(3):269–80

Adenosine receptors: some behavioral implications for depression and sleep. Sattin A. **Monogr Neural Sci** 1984; 10:182–206 (85 ref.)

Diet and sleep patterns in newborn infants [letter] Strain GW. **N Engl J Med** 1984 Apr 5;310(14):928–9

Diet and sleep patterns in newborn infants. Yogman MW, et al. **N Engl J Med** 1983 Nov 10;309(19):1147–9

Spontaneous and induced variations in adrenergic activity. de Leeuw PW, et al. **Neth J Med** 1984;27(4):136–9

Palatal myoclonus disappears in sleep [letter] Tanaka M, et al. **Neurology (NY)** 1984 Mar;34(3):406–7

The female rat's sleep during oestrous cycle. Kleinlogel H. **Neuropsychobiology** 1983;10(4):228–37

Sleep in various species of laboratory animals. Kleinlogel H. **Neuropsychobiology** 1983;9(2–3):174–7

Circadian variation of [3H]N6–(L–phenylisopropyl)adenosine binding in rat brain. Virus RM, et al. **Neurosci Lett** 1984 May 4;46(2):219–22

Modulation of postsynaptic activities of thalamic lateral geniculate neurons by spontaneous changes in number of retinal inputs in chronic cats. I. Input–output relations. Fourment A, et al. **Neuroscience** 1984 Jun;12(2):453–64

A GABAergic habenulo–raphe pathway mediation of the hypnogenic effects of vasotocin in cat. Goldstein R. **Neuroscience** 1983 Nov;10(3):941–5

Sleep and nasal obstruction [letter] Shaw EB. **Pediatrics** 1983 Nov;72(5):753–4

Neonatal cerebellectomy alters ethanol–induced sleep time of short sleep but not long sleep mice. Palmer MR, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):153–9

Serotonin in the control of the sleep–like states in frogs. Popova NK, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):653–7

Increased brain serotonin metabolism during rebound sleep in sleep–deprived rats. Toru M, et al. **Pharmacol Biochem Behav** 1984 May;20(5):757–61

Electromyographic power spectral changes associated with the sleep–awake cycle and with diazepam treatment in the rat. Young GA, et al. **Pharmacol Biochem Behav** 1983 Oct; 19(4):715–8

Polygraphical sleep recordings in insomniac patients under zopiclone or nitrazepam. Jovanovic UJ, et al. **Pharmacology** 1983;27 Suppl 2:136–45

Organization of sleeping and waking states in infants: consistency across contexts. Becker PT, et al. **Physiol Behav** 1983 Oct;31(4):405–10

Circadian temperature and wake rhythms of rats exposed to prolonged continuous illumination. Eastman C, et al. **Physiol Behav** 1983 Oct;31(4):417–27

Neurophysiology of sleep. Harper RM. **Prog Clin Biol Res** 1983;136:65–73 (36 ref.)

Role of arterial chemoreflex in breathing during sleep at high altitude. Lahiri S, et al. **Prog Clin Biol Res** 1983;136:75–85

A critical review of sleep and its disorders from a developmental perspective. Kupfer DJ, et al. **Psychiatr Dev** 1983 Winter;1(4):367–86 (79 ref.)

Are poor sleepers changed into good sleepers by hypnotic drugs? Adam K. **Psychopharmacology Suppl** 1984;1:44–55 (70 ref.)

Duration and placement of sleep in a 'disentrained' environment. Campbell SS. **Psychophysiology** 1984 Jan; 21(1):106–13

The detection of sleep onset: behavioral and physiological convergence. Ogilvie RD, et al. **Psychophysiology** 1984 Sep;21(5):510–20

The perceptual uncertainty of having slept: the inability to discriminate electroencephalographic sleep from wakefulness. Sewitch DE. **Psychophysiology** 1984 May; 21(3):243–59

Effects of slow wave sleep on ventilatory compensation to inspiratory elastic loading. Wilson PA, et al. **Respir Physiol** 1984 Jan;55(1):103–20

Sleep and mental deficiency. Grubar JC. **Rev Electroencephalogr Neurophysiol Clin** 1983 Nov; 13(2):107–13

EEG sleep patterns and endogenous opioids in infants of narcotic–addicted mothers. Manfredi LG, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):199–206

Eye movements during sleep in weightlessness. Quadens O, et al. **Science** 1984 Jul 13;225(4658):221–2

Polysomnographic findings in dystonia musculorum deformans. Jankel WR, et al. **Sleep** 1983;6(3):281–5

Recovery sleep following sleep deprivation in intact and suprachiasmatic nuclei–lesioned rats. Mistlberger RE, et al. **Sleep** 1983;6(3):217–33

Genetic and environmental determination of human sleep. Partinen M, et al. **Sleep** 1983;6(3):179–85

Sighs during sleep in adult humans. Perez–Padilla R, et al. **Sleep** 1983;6(3):234–43

Regional metabolic activity in the rat brain during sleep–wake activity. Ramm P, et al. **Sleep** 1983;6(3):196–216

Changes in oxygen saturation and heart frequency during sleep in young normal subjects. Gimeno F, et al. **Thorax** 1984 Sep;39(9):673–5

Circadian rhythm of electrical activity and motility of the stomach in cats and their relation to sleep—wakefulness stages. Fujitani Y, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):275–86

Validity of monitoring nocturnal penile tumescence for a single night. Brooks ME. **Urol Res** 1983;11(4):187–9

[Electrophysiological study of sleep in premature children–developmental and prognostic aspects] Vitová Z, et al. **Cesk Pediatr** 1983 Sep;38(9):556–60 (Eng. Abstr.) **(Cze)**

[Voltammetric detection of extracellular 5–hydroxyindole compounds at the level of cell bodies and the terminals of the raphe system: variations during the wake–sleep cycle in the rat in chronic experiments] Cespuglio R, et al. **C R Seances Acad Sci [III]** 1983;296(13):611–6 (Eng. Abstr.) **(Fre)**

[Activation of the diffuse thalamic projection system by GABA–ergic stimulation] Tissot R. **Encephale** 1984; 10(1):21–4 (Eng. Abstr.) **(Fre)**

[Paroxysmal nocturnal activity in partial epilepsy in the adult] Autret A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):212–8 (Eng. Abstr.) **(Fre)**

[Recording ventilation during sleep using pneumotachography: drawbacks and disadvantages] Krieger J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):193–8 (Eng. Abstr.) **(Fre)**

[Neuromediators and hypnogenic factors] Jouvet M. **Rev Neurol (Paris)** 1984;140(6–7):389–400 (36 ref.) (Eng. Abstr.) **(Fre)**

[Myasthenia and sleep] Mennuni G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(2):193–203 (Eng. Abstr.) **(Fre)**

[Temporal dynamics of spectral EEG parameters during nocturnal sleep in healthy adults] Lange B, et al. **EEG EMG** 1984 Mar;15(1):38–44 (Eng. Abstr.) **(Ger)**

[Effect of sleep on cerebral DNA synthesized during learning] Ambrosini MV, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):595–601 (Eng. Abstr.) **(Ita)**

[Electroencephalographic characteristics of sleep in subjects with paleo and neocerebellar lesions] Cicirata F, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1350–6 (Eng. Abstr.) **(Ita)**

[Respiratory and cardiac activity during sleep at high altitude (4650 m. above sea level)] Data PG, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):23–8 (Eng. Abstr.) **(Ita)**

[Sleep and the circadian rhythm of cortisol in transsexuals] Puca FM, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30; 59(9):1236–42 (Eng. Abstr.) **(Ita)**

[Sleep: its nature and methods of measurement] Oswald I. **Clin Ter** 1984 May 15;109(3):205–8 (Eng. Abstr.) **(Ita)**

[Kleine–Levin–Critchley syndrome: polygraphic study of sleep organization in 1 case] Strusi L, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):546–52 (Eng. Abstr.) **(Ita)**

[Sleep in progressive supranuclear palsy] Massetani R, et al. **Riv Patol Nerv Ment** 1982 Sep–Oct;103(5):215–24 (Eng. Abstr.) **(Ita)**

[Control of the upper airway function during sleep and anesthesia] Nishino T. **Kokyu To Junkan** 1984 May; 32(5):449–55 (32 ref.) **(Jpn)**

[Sleep polygraphic studies on patients with the dysgenesis of the telencephalon] Hashimoto T, et al. **No To Hattatsu** 1983 Jul;15(4):279–89 (Eng. Abstr.) **(Jpn)**

[Rhythmic slow wave observed on nocturnal sleep encephalogram in children with idiopathic nocturnal enuresis] Inoue M, et al. **No To Shinkei** 1984 Jun; 36(6):567–73 (Eng. Abstr.) **(Jpn)**

[Sleep substances: their roles and evolution] Inoué S. **Seikagaku** 1983 Jul;55(7):445–60 (111 ref.) **(Jpn)**

[Sleep–wake rhythm of normal subjects under the entrained, absolute bed–rest condition for one week] Ohta T. **Seishin Shinkeigaku Zasshi** 1983;85(5):302–30 (Eng. Abstr.) **(Jpn)**

[Psychiatry and sleep research] Okuma T. **Seishin Shinkeigaku Zasshi** 1983;85(9):580–7 **(Jpn)**

[Nocturnal sleep patterns during treatment of hydrocephalus] Darwaj B, et al. **Neurol Neurochir Pol** 1983 Mar–Apr; 17(2):205–12 (Eng. Abstr.) **(Pol)**

[Characteristics of sleep EEG abnormalities in children with phenylketonuria during the first year of life] Koślacz–Folga A, et al. **Probl Med Wieku Rozwoj** 1979;8:36–46 (Eng. Abstr.) **(Pol)**

[Correlations between the EEG pattern of sleep and depressive syndrome in patients with bipolar affective disorders before and during treatment with amitriptyline] Ekiert H, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):287–93 (Eng. Abstr.) **(Pol)**

[EEG pattern of sleep in patients with bipolar affective disorder during treatment with lithium salts] Ekiert H, et al. **Psychiatr Pol** 1983 Jul–Aug;17(4):295–301 (Eng. Abstr.) **(Pol)**

[Polygraphic studies of sleep. II. Polygraphy of sleep in endogenous depressive syndromes] Nowicki Z. **Psychiatr Pol** 1983 Jul–Aug;17(4):309–13 (Eng. Abstr.) **(Pol)**

[Polygraphic studies of sleep. I. Polygraphy of sleep in normal persons] Nowicki Z. **Psychiatr Pol** 1983 Jul–Aug; 17(4):303–8 (Eng. Abstr.) **(Pol)**

[Electroencephalographic changes during sleep in women in normal and pathological pregnancy] Devdariani MG, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):35–6 **(Rus)**

[Presence of circadian rhythms in the human fetus] Kintraia Pla, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):21–3 (Eng. Abstr.) **(Rus)**

[Dynamics of the oxygen tension in the hippocampus and sensorimotor cortex during the wakefulness–sleep cycle] Nikolaishvili LS, et al. **Fiziol Zh SSSR** 1983 Dec; 69(12):1543–8 (Eng. Abstr.) **(Rus)**

[Characteristics of night sleep of patients with chronic occupational vinyl chloride poisoning studied by correlation analysis of electroencephalograms] Gnesina EA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):34–6 **(Rus)**

[Periodic breathing and disorders of cardiac activity during sleep in patients with ischemic heart disease] Voronetskas GA, et al. **Kardiologiia** 1984 Feb;24(2):60–5 (Eng. Abstr.) **(Rus)**

[Various quantitative and qualitative characteristics of the basic parameters of the sleep electroencephalogram in late ontogeny] Saradzhishvili PM, et al. **Klin Med (Mosk)** 1983 Sep;61(9):39–41 (1 ref.) (Eng. Abstr.) **(Rus)**

[Individual characteristics of human respiration during sleep at a height of 4200 m] Gora EP. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):93–5 **(Rus)**

[Effectiveness of training animals to adapt to hypoxia during sleep] Malkin VB, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):67–70 (Eng. Abstr.) **(Rus)**

[Primary sleep in vertebrates and its role in the genesis of hypobiosis in poikilotherms and hibernation in mammals] Karmanova IG. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb; 20(1):49–53 (Eng. Abstr.) **(Rus)**

[Histochemical determination of RNA and protein in the brain during primary sleep in the frog Rana temporaria

and during intermediate sleep in the turtle Emys orbicularis] Karmanova IG, et al. **Zh Evol Biokhim Fiziol** 1984 May-Jun;20(3):294-8 (Eng. Abstr.) **(Rus)**

[Role of the hypothalamus in organizing the wakefulness-primary sleep cycle in the frog Rana temporaria] Shilling NV, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):191-8 (Eng. Abstr.) **(Rus)**

[Nocturnal polygraphic studies during the treatment of depressed patients with sleep deprivation] Vein AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):577-83 (Eng. Abstr.) **(Rus)**

[Effect of arousing and somnogenic effects on the hypothalamus on the space-time organization of the internal connections of the somatosensory cortex] Mogilevskii AIa, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct; 33(5):893-902 (Eng. Abstr.) **(Rus)**

[Sleep of Caspian seals] Mukhametov LM, et al. **Zh Vyssh Nerv Deiat** 1984 Mar-Apr;34(2):259-64 (Eng. Abstr.) **(Rus)**

[Sleep and wakefulness in Callorhinus ursinus] Mukhametov LM, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):465-71 (Eng. Abstr.) **(Rus)**

[Variations in cardiac frequency in sleep in the newborn infant and its potential implication for the interpretation of fetal cardiographic recordings] Ugartechea JC, et al. **Ginecol Obstet Mex** 1982 Sep;50(305):229-35 (Eng. Abstr.) **(Spa)**

[Statistical analysis of the parameters defining the cortical visual evoked potentials in the phases of the sleep-wake cycle] Sigüenza JA, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):253-8 (Eng. Abstr.) **(Spa)**

SLEEP APNEA SYNDROMES

Sleep-related breathing disorders. An update. Orr WC. **Chest** 1983 Oct;84(4):475-80

Psychosocial aspects of infantile apnea and home monitoring. Smith JC. **Pediatr Ann** 1984 Mar;13(3):219-24

Sudden infant dealth syndrome and infantile apnea: introduction. Zebel BH, et al. **Pediatr Ann** 1984 Mar; 13(3):188-90

Sleep-associated airway problems in children. Mark JD, et al. **Pediatr Clin North Am** 1984 Aug;31(4):907-18 (46 ref.)

BLOOD

Oxygen saturation during breath-holding and during apneas in sleep. Strohl KP, et al. **Chest** 1984 Feb;85(2):181-6

CHEMICALLY INDUCED

Induction of the obstructive sleep apnea syndrome in a woman by exogenous androgen administration. Johnson MW, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1023-5

Idiopathic alveolar hypoventilation in Leber's disease. Unusual sensitivity to mild analgesics and diazepam. Hunter AR. **Anaesthesia** 1984 Aug;39(8):781-3

The effect of chloral hydrate on genioglossus and diaphragmatic activity. Hershenson M, et al. **Pediatr Res** 1984 Jun;18(6):516-9

COMPLICATIONS

Prevalence of sleep apnea syndrome among patients with essential hypertension. Lavie P, et al. **Am Heart J** 1984 Aug;108(2):373-6

Treacher-Collins syndrome with sleep apnea: anesthetic considerations. Roa NL, et al. **Anesthesiology** 1984 Jan; 60(1):71-3

Episodic complete airway obstruction in children with undiagnosed obstructive sleep apnea. Weinberg S, et al. **Anesthesiology** 1984 Apr;60(4):356-8

Short stature caused by obstructive apnoea during sleep. Bate TW, et al. **Arch Dis Child** 1984 Jan;59(1):78-80

Obstructive sleep apnea in association with posterior fossa neurologic disease. Adelman S, et al. **Arch Neurol** 1984 May;41(5):509-10

Achondroplasia associated with obstructive sleep apnea [letter] Larsen PD, et al. **Arch Neurol** 1983 Nov;40(12):769

Sleep apnea in cluster headache. Kudrow L, et al. **Cephalalgia** 1984 Mar;4(1):33-8

Sleep apnea syndrome in Thomsen's disease. A case report. Striano S, et al. **Electroencephalogr Clin Neurophysiol** 1983 Oct;56(4):323-5

Induction of airway collapse with subatmospheric pressure in awake patients with sleep apnea. Suratt PM, et al. **J Appl Physiol** 1984 Jul;57(1):140-6

Sleep apnea and sinus node dysfunction [letter] Thorpy MJ, et al. **JAMA** 1984 May 18;251(19):2514

Ventilatory dysfunction and sudden infant death syndrome [editorial] **Lancet** 1984 Sep 8;2(8402):558-9

Pulmonary edema due to obstructive sleep apnea. Chaudhary BA, et al. **South Med J** 1984 Apr;77(4):499-501

[Sudden infant death syndrome: respiratory causes] Marchal F. **Bull Eur Physiopathol Respir** 1983 Jul-Aug;19(4):411-21 (140 ref.) (Eng. Abstr.) **(Fre)**

[Sudden and unexplained infant death] Kahn A. **Bull Mem Acad R Med Belg** 1983;138(3):225-35 (Eng. Abstr.) **(Fre)**

[Nocturnal cardiac arrhythmias in the sleep apnea syndrome] Bolm-Audorff U, et al. **Dtsch Med Wochenschr** 1984 Jun 1;109(22):853-6 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of theophylline-ethylenediamines on nocturnal hypoxic attacks associated with the sleep apnea syndrome] Wülker G, et al. **Prax Klin Pneumol** 1984 Jun; 38(6):220-4 (Eng. Abstr.) **(Ger)**

[Polygraphic findings in bird-like face syndrome with favorable spontaneous evolution] Puca FM, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1371-6 (Eng. Abstr.) **(Ita)**

[The effects of nocturnal hypoxia on pulmonary hemodynamics] Naito M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1075-82 (Eng. Abstr.) **(Jpn)**

[Case of obstructive sleep apnea with cor pulmonale] Sawada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):507-11 (Eng. Abstr.) **(Jpn)**

[Periodic sleep apnea syndrome] Moreno R, et al. **Rev Med Chil** 1983 Nov;111(11):1162-8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The hypersomnia-sleep apnea syndrome: its recognition in clinical cardiology. Burack B. **Am Heart J** 1984 Mar; 107(3):543-8

Ambulatory ECG-respiration monitoring system [letter] Otsuka K, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1173-6

Abnormal breathholding in association with carotid body dysfunction mimicking sleep apnea. Eichenhorn MS, et al. **Am Rev Respir Dis** 1983 Oct;128(4):765-7

Night-to-night consistency of apneas during sleep. Wittig RM, et al. **Am Rev Respir Dis** 1984 Feb;129(2):244-6

Evaluation of the adult with sleep apnea. Snyderman NL, et al. **Ann Otol Rhinol Laryngol** 1983 Sep-Oct;92(5 Pt 1):518-20

Sleep-disordered breathing. Apps MC. **Br J Hosp Med** 1983 Nov;30(5):339, 341-2, 345 passim (49 ref.)

Need for multi-diagnostic approaches before considering treatment in obstructive sleep apnea. Guilleminault C, et al. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):583-9

Staging of heavy snorers' disease. A proposal. Lugaresi E, et al. **Bull Eur Physiopathol Respir** 1983 Nov-Dec; 19(6):590-4

Sleep-related respiratory disturbance in elderly persons. Bliwise DL, et al. **Compr Ther** 1984 Jul;10(7):8-14

Nightly variation in sleep-related respiratory disturbance in older adults. Bliwise DL, et al. **Exp Aging Res** 1983 Summer;9(2):77-81

Sleep-related respiratory disturbances [letter] Bliwise DL. **J Gerontol** 1984 Mar;39(2):255

A diagnostic approach to suspected obstructive sleep apnea in children. Brouilette R, et al. **J Pediatr** 1984 Jul; 105(1):10-4

Automated apnoea detection by computer: analysis of tracheal breath sounds. Peirick J, et al. **Med Biol Eng Comput** 1983 Sep;21(5):632-5

SIDS and apnea monitoring: a parent's view. Silvio KT. **Pediatr Ann** 1984 Mar;13(3):229-30, 234

A prospective study of the impact of home monitoring on the family. Wasserman AL. **Pediatrics** 1984 Sep;74(3):323-9

Effect of sleep position on sleep apnea severity. Cartwright RD. **Sleep** 1984;7(2):110-4

Incidence of sleep apnea in a presumably healthy working population: a significant relationship with excessive daytime sleepiness. Lavie P. **Sleep** 1983;6(4):312-8

Cephalometric analyses and flow-volume loops in obstructive sleep apnea patients. Riley R, et al. **Sleep** 1983; 6(4):303-11

A head position monitor for polysomnography. Schmidt-Nowara WW, et al. **Sleep** 1983;6(4):384-5

Sleep apnea studies [letter] Overfield WD. **West J Med** 1983 Nov;139(5):714

[The syndrome of recurrent apnea during sleep] Billiard M, et al. **Rev Med Interne** 1984 Jun;5(2):142-51 (79 ref.) **(Fre)**

[Sleep apnea—a seldom recognized cause of sleep disorders. A case report] Ziegler G. **Med Welt** 1983 Oct 7; 34(40):1111-5 **(Ger)**

[A case report of central alveolar hypoventilation syndrome (Ondine's curse)] Hiraishi T, et al. **Masui** 1984 Feb; 33(2):183-8 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Drug therapy for obstructive sleep apneas [letter] Krieger J, et al. **Am Rev Respir Dis** 1984 Apr;129(4):648-9

Breathing during sleep: the responses to asphyxia and prochlorperazine in normal subjects and patients with obstructive sleep apnea. Olson LG, et al. **Aust NZ J Med** 1983 Dec;13(6):613-20

Ondine's curse: therapeutic trial of dimefline. Morimoto T, et al. **Brain Dev** 1983;5(6):567-71

The role of protriptyline in obstructive sleep apnea. Brownell LG, et al. **Bull Eur Physiopathol Respir** 1983 Nov-Dec; 19(6):621-4

Naloxone, theophylline, bromocriptine, and obstructive sleep apnea. Negative results. Guilleminault C, et al. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):632-4

L-tryptophan in the treatment of impaired respiration in sleep. Schmidt HS. **Bull Eur Physiopathol Respir** 1983 Nov-Dec;19(6):625-9

Theophylline improves pneumogram abnormalities in infants at risk for sudden infant death syndrome. Hunt CE, et al. **J Pediatr** 1983 Dec;103(6):969-74

[Effect of oral almitrine on the sleep apnea syndrome] Mangin P, et al. **Rev Fr Mal Respir** 1983;11(6):899-906 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Sleep apnoea following cervical cord surgery. Vella LM, et al. **Anaesthesia** 1984 Feb;39(2):108-12

Obstructive sleep apnea in hypothyroidism. Rajagopal KR, et al. **Ann Intern Med** 1984 Oct;101(4):491-4

Sleep apnea syndrome in the morbidly obese as an indication for weight reduction surgery. Peiser J, et al. **Ann Surg** 1984 Jan;199(1):112-5

Sleep apnea precipitated by pharyngeal surgery in a patient with myotonic dystrophy. Cadieux RJ, et al. **Arch Otolaryngol** 1984 Sep;110(9):611-3

Obstructive sleep apnea in the morbidly obese. An indication for gastric bypass. Victor DW Jr, et al. **Arch Surg** 1984 Aug;119(8):970-2

Ventilation and oxygenation changes during sleep in cystic fibrosis. Tepper RS, et al. **Chest** 1983 Oct;84(4):388-93

Sleep apnea due to nasal valve obstruction. Irvine BW, et al. **J Otolaryngol** 1984 Feb;13(1):37-8

Sleep apnea following bilateral excision of carotid body tumors. Zikk D, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1470-2

Adeno-tonsillar hypertrophy as a cause of sleep apnoea syndrome. Ravindran VK. **Med J Malaysia** 1983 Jun; 38(2):164-6

Five cases of near-miss sudden infant death syndrome and development of obstructive sleep apnea syndrome. Guilleminault C, et al. **Pediatrics** 1984 Jan;73(1):71-8

Adenotonsillectomy and obstructive sleep apnoea [editorial] **S Afr Med J** 1983 Oct 22;64(18):687-8

[Alveolar hypoventilation during sleep in pharyngeal obstruction caused by lymphoid hypertrophy in children] Messer J, et al. **Arch Fr Pediatr** 1984 May;41(5):333-6 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Effects of nasal occlusion on respiration in sleep. Evidence of inheritability of sleep apnea proneness. Lavie P, et al. **Acta Otolaryngol (Stockh)** 1984 Jan-Feb;97(1-2):127-30

HISTORY

Sleep apnea. From the needles of Dionysius to continuous positive airway pressure. Kryger MH. **Arch Intern Med** 1983 Dec;143(12):2301-3

Osler and sleep apnea [letter] Tucker WS Jr. **Arch Intern Med** 1984 May;144(5):1085

MORTALITY

Excess nocturnal deaths related to sleeping pill and tranquilliser use [letter] Kripke DF, et al. **Lancet** 1984 Jan 14;1(8368):99

OCCURRENCE

Respiratory pauses in very low risk prematurely born infants reaching normal term. A comparison to full-term newborns. Curzi-Dascalova L, et al. **Neuropediatrics** 1984 Feb;15(1):13-7

Sleep apnea: a prospective study. Kreis P, et al. **West J Med** 1983 Aug;139(2):171-3

PATHOLOGY

Lung volume dependence of pharyngeal cross-sectional area in patients with obstructive sleep apnea. Hoffstein V, et al. **Am Rev Respir Dis** 1984 Aug;130(2):175-8

Upper airway morphology in patients with idiopathic obstructive sleep apnea. Rivlin J, et al. **Am Rev Respir Dis** 1984 Mar;129(3):355-60

A search for brain damage in a rat model of alcoholic sleep apnea. Cragg B, et al. **Exp Neurol** 1984 Apr;84(1):219-24

PHYSIOPATHOLOGY

Electromyographic study of some accessory muscles of respiration in children with obstructive sleep apnea. Jeffries B, et al. **Am Rev Respir Dis** 1984 May;129(5):696-702

Impaired detection of added inspiratory resistance in patients with obstructive sleep apnea. McNicholas WT, et al. **Am Rev Respir Dis** 1984 Jan;129(1):45-8

Obstructive sleep apnea. A common disorder exacerbated by alcohol. Remmers JE. **Am Rev Respir Dis** 1984 Aug; 130(2):153-5

Chest wall motion in sleep apnea. Staats BA, et al. **Am Rev Respir Dis** 1984 Jul;130(1):59-63

Flow-volume curves reflect pharyngeal airway abnormalities in sleep apnea syndrome. Tammelin BR, et al. **Am Rev Respir Dis** 1983 Oct;128(4):712-5

Brainstem auditory evoked potentials are normal in idiopathic sleep apnea [letter] Karnaze D, et al. **Ann Neurol** 1984 Apr; 15(4):406

Autonomic dysfunction and sleep apnea in olivopontocerebellar degeneration. Chokroverty S, et al. **Arch Neurol** 1984 Sep;41(9):926-31

Abnormal brain-stem auditory evoked potentials following Ondine's curse. Long KJ, et al. **Arch Neurol** 1984 Oct; 41(10):1109-10

A polygraphic study of one case of primary alveolar hypoventilation (Ondine's curse). Coccagna C, et al. **Bull Eur Physiopathol Respir** 1984 Mar-Apr;20(2):157-61

Obstructive sleep apnea and body weight. Browman CP, et al. **Chest** 1984 Mar;85(3):435–8
Control of breathing in obstructive sleep apnea. Rajagopal KR, et al. **Chest** 1984 Feb;85(2):174–80
Pathophysiology and medical therapy of sleep apnea. Shepard JW Jr. **Ear Nose Throat J** 1984 May;63(5):198–212
Pediatric aspects of the sleep apnea syndrome. Thach BT. **Ear Nose Throat J** 1984 May;63(5):214–21
Spectral analysis of periodic and normal breathing in infants. Nugent ST, et al. **IEEE Trans Biomed Eng** 1983 Oct; 30(10):672–5
Auditory middle latency-evoked potentials during sleep apnea. Pratt H, et al. **Isr J Med Sci** 1984 Jul;20(7):593–7
Upper airway closing pressures in obstructive sleep apnea. Issa FG, et al. **J Appl Physiol** 1984 Aug;57(2):520–7
Reduced stroke volume related to pleural pressure in obstructive sleep apnea. Tolle FA, et al. **J Appl Physiol** 1983 Dec;55(6):1718–24
Sleep apnea and its causes. Cherniack NS. **J Clin Invest** 1984 Jun;73(6):1501–6 (60 ref.)
Apnea and bradycardia during feeding in infants weighing greater than 2000 gm. Guilleminault C, et al. **J Pediatr** 1984 Jun;104(6):932–5
The development of stability of respiration in human infants: changes in ventilatory responses to spontaneous sighs. Fleming PJ, et al. **J Physiol (Lond)** 1984 Feb;347:1–16
Cyclical variation of the heart rate in sleep apnoea syndrome. Mechanisms, and usefulness of 24 h electrocardiography as a screening technique. Guilleminault C, et al. **Lancet** 1984 Jan 21;1(8369):126–31
Electrocardiographic changes and sleep apnoea syndrome [letter] Tirlapur VG, et al. **Lancet** 1984 Mar 3;1(8375):514–5
Obstructive sleep apnea–pathogenesis and treatment. Gotfried MH, et al. **Lung** 1984;162(1):1–13 (85 ref.)
Videoendoscopic determination of the mechanism of obstruction in obstructive sleep apnea. Rojewski TE, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):127–31
Misconceptions about sleep [letter] Guilleminault C, et al. **Pediatrics** 1983 Nov;72(5):752–3
Obstructive sleep apnea. Harper RM. **Prog Clin Biol Res** 1983;136:97–108 (26 ref.)
Abnormal cerebrovascular responses to CO2 in sleep apnea patients. Loeppky JA, et al. **Sleep** 1984;7(2):97–109
Saturday conference: sleep apnea syndrome. Loyd JE. **South Med J** 1983 Nov;76(11):1417–21
[Sleep apnea syndrome] Guilleminault C. **Presse Med** 1984 Feb 18;13(7):433–6 (Eng. Abstr.) **(Fre)**
[Sleep apnea and polysomnography] Okada T, et al. **Rinsho Byori** 1983 Oct;Spec No 57:174–87 **(Jpn)**
[Hypoventilation syndrome – 3 children with deficient autonomic control of respiration] Lagercrantz H, et al. **Lakartidningen** 1983 Oct 26;80(43):4037–9 (Eng. Abstr.) **(Swe)**

PREVENTION & CONTROL

Effects of expiratory positive airway pressure on sleep-induced respiratory abnormalities in patients with hypersomnia-sleep apnea syndrome. Mahadevia AK, et al. **Am Rev Respir Dis** 1983 Oct;128(4):708–11
Positive nasal airway pressure eliminates snoring as well as obstructive sleep apnea. Berry RB, et al. **Chest** 1984 Jan; 85(1):15–20

PSYCHOLOGY

Sleep and violence. Raschka LB. **Can J Psychiatry** 1984 Mar; 29(2):132–4
Depressive psychopathology in male sleep apneics. Reynolds CF 3d, et al. **J Clin Psychiatry** 1984 Jul;45(7):287–90

RADIOGRAPHY

Obstructive sleep apnea and cephalometric roentgenograms [letter] Guilleminault C, et al. **Am Rev Respir Dis** 1984 Jul;130(1):145–6
Radiologic evaluation of adenoids and tonsils in children with obstructive sleep apnea: plain films and fluoroscopy. Fernbach SK, et al. **Pediatr Radiol** 1983;13(5):258–65

SURGERY

Problematic snoring and sleep apnea. The place for surgery [editorial] Bailey BJ. **Arch Otolaryngol** 1984 Aug; 110(8):491–2
Palatopharyngoplasty and obstructive sleep apnea syndrome. Guilleminault C, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):595–9
Mandibular advancement and obstructive sleep apnea syndrome. Powell N, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):607–10
Effects of nasal surgery and tonsillectomy on sleep apnea. Rubin AH, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):612–5
Maxillo-facial surgical approach: an introduction and review of mandibular advancement. Spire JP, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):604–6
Effects of uvulopalatopharyngoplasty on the daytime sleepiness associated with sleep apnea syndrome. Zorick F, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec; 19(6):600–3
UPPP for sleep apnea and snoring. Fujita S. **Ear Nose Throat J** 1984 May;63(5):227–35
Expansion hyoidplasty for sleep apnea. Patton TJ, et al. **Ear Nose Throat J** 1984 May;63(5):236–47
Tracheostomy in the sleep apnea syndrome. Simmons FB. **Ear Nose Throat J** 1984 May;63(5):222–6
Stridor and obstructive sleep apnea in Shy–Drager syndrome treated by laryngofissure and cord lateralization. Kenyon GS, et al. **Laryngoscope** 1984 Aug;94(8):1106–8
Sleep apnea tracheotomy. Olsen KD, et al. **Laryngoscope** 1984 Apr;94(4):555–6
Expansion hyoidplasty: a potential surgical procedure designed for selected patients with obstructive sleep apnea syndrome. Experimental canine results. Patton TJ, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1387–96
Disorders of respiration during sleep [letter] **Mayo Clin Proc** 1983 Dec;58(12):838–9
Clinical experience with the silicone tracheal cannula in obstructive sleep apnea. Orsini MA, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):132–5
New surgical approaches for obstructive sleep apnea syndrome [editorial] Guilleminault C. **Sleep** 1984;7(1):1–2
Sectioning the hyoid bone as a therapeutic approach for obstructive sleep apnea. Kaya N. **Sleep** 1984;7(1):77–8
Mandibular osteotomy and hyoid bone advancement for obstructive sleep apnea: a case report. Riley R, et al. **Sleep** 1984;7(1):79–82
Sequelae and complications of palatopharyngoplasty: impact on vocal trill [letter]. Samelson CF. **Sleep** 1984;7(1):83–4
A surgical treatment for snoring and obstructive sleep apnea. Simmons FB, et al. **West J Med** 1984 Jan;140(1):43–6

THERAPY

Continuous positive airway pressure for long–term treatment of sleep apnea. Schmidt–Nowara WW. **Am J Dis Child** 1984 Jan;138(1):82–4
The treatment of obstructive sleep apnea. Separating the wheat from the chaff [editorial] Bradley D, et al. **Am Rev Respir Dis** 1983 Oct;128(4):583–6
Nasal CPAP in obstructive sleep apnea: mechanisms of action. Rapoport DM, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):616–20
Home treatment of obstructive sleep apnoea with continuous positive airway pressure applied through a nose–mask. Sullivan CE, et al. **Bull Eur Physiopathol Respir** 1984 Jan–Feb;20(1):49–54
Treatment of obstructive sleep apnea with continuous nasal airflow delivered through nasal prongs. Wilhoit SC, et al. **Chest** 1984 Feb;85(2):170–3
Sleep apnea. **Drug Intell Clin Pharm** 1983 Oct;17(10):736–7
Disappearance of sleep apnea by tracheal intubation in Creutzfeldt–Jakob disease. Kudo Y, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep;58(3):226–9
Sleep disorders: learn to recognize treatable causes [editorial] Divertie MB. **Geriatrics** 1984 Sep;39(9):15, 18
Treatment of obstructive sleep apnoea [letter] Krieger J, et al. **Lancet** 1984 May 26;1(8387):1177
Dangerous hypoxaemia during continuous positive airway pressure treatment of obstructive sleep apnoea [letter] Krieger J, et al. **Lancet** 1983 Dec 17;2(8364):1429–30
Evaluation and management of infantile apnea. Ariagno RL. **Pediatr Ann** 1984 Mar;13(3):210–3, 216–7
Treatment of sleep disorders IV: Sleep apnea. Cadieux RJ, et al. **Ration Drug Ther** 1983 Nov;17(11):1–6
[Sleep apnea syndromes (letter)] Krieger J, et al. **Presse Med** 1984 May 19;13(21):1339–40 **(Fre)**

SLEEP DEPRIVATION

Effect of sleep deprivation as a predictor of treatment response to antidepressant medication. Fähndrich E. **Acta Psychiatr Scand** 1983 Nov;68(5):341–4
Relationship of response to sleep deprivation and carbamazepine in depressed patients. Roy–Byrne P, et al. **Acta Psychiatr Scand** 1984 May;69(5):379–82
Neuroendocrine predictors of the antidepressant effect of partial sleep deprivation. Joffe R, et al. **Biol Psychiatry** 1984 Mar;19(3):347–52
The effect of rapid eye movement sleep deprivation on cortical beta–adrenergic receptors. Abel MS, et al. **Brain Res Bull** 1983 Dec;11(6):729–34
Changes in thought content following sleep deprivation in depression. Kraft AM, et al. **Compr Psychiatry** 1984 May–Jun;25(3):283–9
The diagnostic value of the sleep EEG with and without sleep deprivation in patients with atypical absences. Degen R, et al. **Epilepsia** 1983 Oct;24(5):557–66
Epileptic seizures in alcoholism and diagnostic value of EEG after sleep deprivation. Deisenhammer E, et al. **Epilepsia** 1984 Aug;25(4):526–30
Effect of sleep deprivation on self–selected workload. Legg SJ, et al. **Ergonomics** 1984 Apr;27(4):389–96
Role of sleep in the regulation of learning and memory. Oniani TN. **Hum Physiol** 1982 Nov–Dec;8(6):381–91
Physiological and psychological consequences of single sleep deprivation. Vein AM, et al. **Hum Physiol** 1982 Nov–Dec; 8(6):392–6
Sleep loss and the crash of Flight 182. Price WJ, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:291–301
Suppression of REM rebound by Pergolide. Askenasy JJ, et al. **J Neural Transm** 1984;59(2):151–9
Clinical effects of sleep deprivation and clomipramine in endogenous depression. Elsenga S, et al. **J Psychiatr Res** 1982–83;17(4):361–74
Sleep deprivation as a provocation method in electroencephalography in patients with non–epileptic cerebral disorders. Klingler D, et al. **Neurol Psychiatr (Bucur)** 1984 Jan–Mar;22(1):51–3
Action of the benzodiazepine antagonist Ro 15–1788 in humans after sleep withdrawal. Emrich HM, et al. **Neurosci Lett** 1984 Jun 29;47(3):369–73
The effect of prolonged strain on serum levels of human pancreatic polypeptide and group I pepsinogens. Oktedalen O, et al. **Scand J Gastroenterol** 1983 Jul;18(5):663–8
The incentive effect and sleep deprivation. Haslam DR. **Sleep** 1983;6(4):362–8
Sleep deprivation and the physiological response to exercise under steady–state conditions in untrained subjects. Horne JA, et al. **Sleep** 1984;7(2):168–79
Effects of sleep deprivation on signal detection measures of vigilance: implications for sleep function. Horne JA, et al. **Sleep** 1983;6(4):347–58
Effects of 72 hour sleep deprivation on urinary cortisol and indices of metabolism. Kant GJ, et al. **Sleep** 1984;7(2):142–6
Signal detection theory as applied to vigilance performance of sleep–deprived subjects. Naitoh P. **Sleep** 1983; 6(4):359–61
[Long–term EEG recording in comparison with sleep deprivation and other provocation methods in epilepsy patients] Mayr N, et al. **EEG EMG** 1983 Dec;14(4):186–90 (Eng. Abstr.) **(Ger)**
[Discontinuation of therapy in epileptic children. With special reference to the sleep deprivation EEG before and after drug reduction] Haupt M, et al. **Kinderarztl Prax** 1984 Jun; 52(6):284–8 (Eng. Abstr.) **(Ger)**
[Study approach and initial results of the effect of sleep deprivation on the depressive syndrome] Manthey I, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jul; 35(7):398–404 (Eng. Abstr.) **(Ger)**
[Nocturnal polygraphic studies during the treatment of depressed patients with sleep deprivation] Vein AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):577–83 (Eng. Abstr.) **(Rus)**
[Changes in paroxysmal activity, spectral characteristics of the EEG and visual evoked potentials after sleep deprivation in patients with epilepsy and syncope] Vein AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):831–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Antidepressant treatments and regulation of norepinephrine–receptor–coupled adenylate cyclase systems in brain. Sulser F. **Adv Biochem Psychopharmacol** 1984;39:249–61 (58 ref.)
Effects of sleep deprivation on thermoregulation during exercise. Sawka MN, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R72–7
Sleep deprivation and the control of ventilation. White DP, et al. **Am Rev Respir Dis** 1983 Dec;128(6):984–6
The military performance of soldiers in sustained operations. Haslam DR. **Aviat Space Environ Med** 1984 Mar;55(3): 216–21
The consolidation hypothesis for REM sleep function: stress and other confounding factors—a review. Horne JA, et al. **Biol Psychol** 1984 May;18(3):165–84 (220 ref.)
Effects of REM sleep deprivation and desipramine on beta–adrenergic binding sites in rat brain. Radulovacki M, et al. **Brain Res** 1982 Mar 11;235(2):393–6
Sleep deprivation decreases ventilatory response to CO2 but not load compensation. Schiffman PL, et al. **Chest** 1983 Dec;84(6):695–8
The thyroid function in young men during prolonged exercise and the effect of energy and sleep deprivation. Opstad PK, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):657–69
Effects of spaced and repeated total sleep deprivation. Webb WB, et al. **Ergonomics** 1984 Jan;27(1):45–58
Presence of a paradoxical sleep (PS) factor in the cerebrospinal fluid of PS–deprived rats. Adrien J, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):223–6
REM sleep deprivation decreases the antinociceptive property of enkephalinase–inhibition, morphine and cold–water–swim. Ukponmwan OE, et al. **Gen Pharmacol** 1984;15(3):255–8
Sleep disturbances and health complaints of shift workers. Khaleque A, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:155–64
Sleep problems in night and shift work. Kogi K. **J Hum Ergol (Tokyo)** 1982;11 Suppl:217–31
Sleep loss and the sympathoadrenal response to exercise. Martin BJ, et al. **Med Sci Sports Exerc** 1984;16(1):56–9
The effect of sleep deprivation on sleep in rats with suprachiasmatic lesions. Tobler I, et al. **Neurosci Lett** 1983 Nov 21;42(1):49–54
Increased brain serotonin metabolism during rebound sleep in sleep–deprived rats. Toru M, et al. **Pharmacol Biochem Behav** 1984 May;20(5):757–61
Swimming immobility of REM sleep deprived rats reared in different environments. Hodgson JA. **Physiol Behav** 1984 Jan;32(1):17–23
Neither REM sleep deprivation nor rebound influences 3H–diazepam binding n rat brain. Mueser T, et al. **Physiol Behav** 1983 Aug;31(2):237–9
Effects of REM deprivation on the lordosis response induced by gonadal steroids in ovariectomized rats. Velazquez–Moctezuma J, et al. **Physiol Behav** 1984 Jan; 32(1):91–4
Enkephalinase inhibition antagonizes the increased

susceptibility to seizure induced by REM sleep deprivation. Ukponmwan OE, et al. **Psychopharmacology (Berlin)** 1984; 83(3):229–32

Sleep loss and nap effects on sustained continuous performance. Mullaney DJ, et al. **Psychophysiology** 1983 Nov;20(6):643–51

The effects of a restricted sleep regime on the composition of sleep and on performance. Tilley AJ, et al. **Psychophysiology** 1984 Jul;21(4):406–12

REM sleep deprivation and dopamine in the CNS. Carlini EA. **Rev Pure Appl Pharmacol Sci** 1983 Jan–Mar;4(1):1–25 (121 ref.)

Plasma concentration of vasoactive intestinal polypeptide during prolonged physical exercise, calorie supply deficiency, and sleep deprivation. Oktedalen O, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1057–62

Recovery sleep following sleep deprivation in intact and suprachiasmatic nuclei–lesioned rats. Mistlberger RE, et al. **Sleep** 1983;6(3):217–33

Sleep and the McCollough effect. Lund NJ, et al. **Vision Res** 1983;23(9):903–6

[Nonspecific generalized paroxysmal manifestations during activation of EEG tracings by sleep deprivation] Roth B, et al. **Cesk Neurol Neurochir** 1984 May;47(3):184–92 (Eng. Abstr.) **(Cze)**

[Sleep deprivation and dexamethasone suppression test in healthy volunteers] Gay C, et al. **Encephale** 1983;9(3):273–7 (Eng. Abstr.) **(Fre)**

[The effects of REM sleep deprivation on the motor behavior of rats] Keller G, et al. **Biomed Biochim Acta** 1984; 43(3):365–70 (Eng. Abstr.) **(Ger)**

[Activation of generalized paroxysms with spikes and steep waves in the waking– and sleep–EEG following sleep deprivation] Trägner H, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(2):53–7 **(Ger)**

[Effects of REM deprivation on the monoamine metabolism in various regions of the rat brain] Semba J. **Seishin Shinkeigaku Zasshi** 1983;85(6):349–60 (Eng. Abstr.) **(Jpn)**

[Effect of sleep deprivation on epileptiform activity] Koridze MG, et al. **Fiziol Zh** 1983 Nov–Dec;29(6):710–5 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on metabolism in the cells of the supraoptic nucleus in paradoxical sleep deprivation] Panov AN, et al. **Fiziol Zh SSSR** 1983 Oct;69(10):1357–61 **(Rus)**

[Effect of sleep deprivation on visual evoked potentials and brain stem auditory evoked potentials in epileptics] Urumova LT, et al. **Zh Nevropatol Psikhiatr** 1984; 84(6):828–30 (Eng. Abstr.) **(Rus)**

[Neurophysiologic aspects of sleep deprivation in depression] Airapetov RG. **Zh Vyssh Nerv Deiat** 1984 May–Jun; 34(3):429–36 (Eng. Abstr.) **(Rus)**

[Effect of deprivation of paradoxical sleep on retention of the 'passive' avoidance response] Koridze MG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):858–63 (Eng. Abstr.) **(Rus)**

SLEEP DISORDERS

Sleep disorders in childhood. Hunter J. **Aust Fam Physician** 1983 Jul;12(7):503–5

Sleep disturbances in infancy and childhood. Wong HB. **J Singapore Paediatr Soc** 1983;25(3–4):108–12

Alterations of the orienting response extinction in night terrors. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1983 Oct–Dec;21(4):361–76

Sleep–associated airway problems in children. Mark JD, et al. **Pediatr Clin North Am** 1984 Aug;31(4):907–18 (46 ref.)

[Sleep disorders. 1. Classification and incidence] Jovanović UJ. **Fortschr Med** 1984 Jan 26;102(4):83–6 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Psychiatric complications of levodopa therapy of Parkinson's disease. Nausieda PA, et al. **Adv Neurol** 1984;40:271–7

[Characteristics of night sleep of patients with chronic occupational vinyl chloride poisoning studied by correlation analysis of electroencephalograms] Gnesina EA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):34–6 **(Rus)**

[Characteristics of sleep disorders in occupational diseases due to antibiotic exposure] Gnesina EA, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):50–2 **(Rus)**

COMPLICATIONS

Self–reported sleep disorder symptoms in epilepsy. Hoeppner JB, et al. **Epilepsia** 1984 Aug;25(4):434–7

Recognizing and managing the adolescent with Kleine–Levin syndrome. Waller DA, et al. **J Adolesc Health Care** 1984 Apr;5(2):139–41

[Polygraphic findings in bird–like face syndrome with favorable spontaneous evolution] Puca FM, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1371–6 (Eng. Abstr.) **(Ita)**

[Clinico–physiologic analysis of sleep disorders among patients with borderline states] Rotenberg VS, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1212–8 (Eng. Abstr.) **(Rus)**

[Periodic sleep apnea syndrome] Moreno R, et al. **Rev Med Chil** 1983 Nov;111(11):1162–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The hypersomnia–sleep apnea syndrome: its recognition in clinical cardiology. Burack B. **Am Heart J** 1984 Mar; 107(3):543–8

Sleep disorders on a psychiatric consultation service. Berlin RM, et al. **Am J Psychiatry** 1984 Apr;141(4):582–4

Polysomnography of torsion dystonia. Jankel WR, et al. **Arch Neurol** 1984 Oct;41(10):1081–3

Narcolepsy and disturbed nocturnal sleep. Wittig R, et al. **Clin Electroencephalogr** 1983 Jul;14(3):130–4

Vigilance level–dependent tonic seizures—epilepsy or sleep disorder? A case report. Rajna P, et al. **Epilepsia** 1983 Dec; 24(6):725–33

Dream disturbances and flashbacks [letter] Burstein A. **J Clin Psychiatry** 1984 Jan;45(1):46

Sleep behaviors and disorders in children and adolescents evaluated at psychiatric clinics. Simonds JF, et al. **JDBP** 1984 Feb;5(1):6–10

Sleep–related myoclonus in rheumatic pain modulation disorder (fibrositis syndrome) and in excessive daytime somnolence. Moldofsky H, et al. **Psychosom Med** 1984 Mar–Apr;46(2):145–51

Excessive daytime sleepiness associated with insufficient sleep. Roehrs T, et al. **Sleep** 1983;6(4):319–25

[Contribution to the study of chronic symptomatic hypersomnias] Roth B. **Cesk Neurol Neurochir** 1983 Nov; 46(6):353–7 (Eng. Abstr.) **(Cze)**

[Possibilities of multidimensional sleep studies in the diagnosis of functional disorders in childhood] Vesper J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;30:1–140 **(Ger)**

DRUG THERAPY

Desipramine in the treatment of hypersomnolence following abrupt cessation of cocaine use. Baxter LR. **Am J Psychiatry** 1983 Nov;140(11):1525–6

Proceedings of the First International Sleep Symposium on Midazolam. 25–26 June 1981, St Moritz, Switzerland. **Br J Clin Pharmacol** 1983;16 Suppl 1:1S–199S

Effects of lormetazepam and of flurazepam on sleep. Adam K, et al. **Br J Clin Pharmacol** 1984 May;17(5):531–8

Pharmacokinetic and clinical considerations in the choice of a hypnotic. Amrein R, et al. **Br J Clin Pharmacol** 1983; 16 Suppl 1:5S–10S

Efficacy and safety of midazolam and vesparax in treatment of sleep disorders. Fischbach R. **Br J Clin Pharmacol** 1983; 16 Suppl 1:167S–171S

Hypnotic efficacy and safety of midazolam and oxazepam in hospitalized female patients. Fischbach R. **Br J Clin Pharmacol** 1983;16 Suppl 1:157S–160S

Efficacy and tolerance: comparative studies with brotizolam and flunitrazepam. Goetzke E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:397S–401S

Comparative study on the efficacy of and the tolerance to the triazolodiazepines, triazolam and brotizolam. Goetzke E, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:407S–412S

Midazolam in the treatment of sleep disorders in geriatric patients. Lachnit KS, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:173S–177S

Comparative studies on the efficacy of brotizolam and nitrazepam: a multi–centre study. Lohmann H, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:403S–406S

Trazodone enhances sleep in subjective quality but not in objective duration. Montgomery I, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):139–44

Efficacy and safety of midazolam in the treatment of night terrors in children. Popoviciu L, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:97S–102S

Influence of brotizolam on the ventilatory and mouth–occlusion pressure response to hypercapnia in patients with chronic obstructive pulmonary disease. Sybrecht GW. **Br J Clin Pharmacol** 1983;16 Suppl 2:425S–430S

Tolerance studies with brotizolam in hospitalized patients. von Delbrück O, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:385S–389S

Efficacy and acceptability of brotizolam in the elderly. von Delbrück O, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:391S–395S

Effect of midazolam on sleep. Ziegler G, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:81S–86S

A comparison of the hypnotic activity of loprazolam, flurazepam and placebo. Murphy JE, et al. **Br J Clin Pract** 1984 Apr;38(4):141–8

Which hypnotic – if any? Hallstrom C. **Br J Hosp Med** 1983 Sep;30(3):188, 191–2 (26 ref.)

The treatment of Kleine–Levin syndrome with lithium. Goldberg MA. **Can J Psychiatry** 1983 Oct;28(6):491–3

Double–blind evaluation of the safety and hypnotic efficacy of lormetazepam in general practice. Moja EA, et al. **Clin Ther** 1983;5(6):580–4

A double–blind comparison of two benzodiazepine hypnotics, flunitrazepam and triazolam, in general practice. Cordingley GJ, et al. **Curr Med Res Opin** 1984;8(10):714–9

Headache, sleep disorders, and benzodiazepines. Dalessio DJ. **Headache** 1983 Sep;23(5):243–5

Comparison of nitrazepam and zopiclone in psychiatric patients. Pull CB, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:205–9

Psychotropics and nonconvulsive paroxysmal cerebral dysrhythmia [letter] Lutz EG. **J Clin Psychiatry** 1983 Oct; 44(10):392

Lormetazepam (Lorámet): a multicentre assessment of its efficacy and acceptability as a hypnotic in out–patients with sleep disturbances. Hill RC, et al. **J Int Med Res** 1983; 11(6):325–32

Study with lormetazepam as a hypnotic in general practice. Pöldinger W, et al. **Neuropsychobiology** 1983;9(2–3):135–8

Trazodone: alternative dose regimens and sleep. Wheatley D. **Pharmatherapeutica** 1984;3(9):607–12

Effects of loprazolam and of triazolam on sleep and overnight urinary cortisol. Adam K, et al. **Psychopharmacology (Berlin)** 1984;82(4):389–94

Treatment of a 12–hour shift of sleep schedule with benzodiazepines. Seidel WF, et al. **Science** 1984 Jun 15; 224(4654):1262–4

[An original treatment of sleep disorders, anxiety and agitation in elderly patients: tiapride] Taillefer SM, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2049–52 (Eng. Abstr.) **(Fre)**

[Ataractic treatment in psychiatry and general medicine. Review of preparations. 9.] Hertrich O. **Fortschr Med** 1983 Oct 27;101(40):1828–30 **(Ger)**

[Sleep disorders. 2: Specific recommendations for ambulatory drug therapy] Jovanović UJ. **Fortschr Med** 1984 Feb 2; 102(5):108–12 (Eng. Abstr.) **(Ger)**

[Triazolam and flunitrazepam in a double–blind cross–over trial] Pöldinger W. **Ther Umsch** 1983 Sep;40(9):810–6 (Eng. Abstr.) **(Ger)**

[Excessive daytime sleepiness] Lavie P. **Harefuah** 1983 Jul; 105(1–2):27–30 **(Heb)**

[Benzodiazepine hypnotics: significance of pharmacokinetics in relation to their clinical use] Horowski R, et al. **Clin Ter** 1984 May 15;109(3):209–23 (Eng. Abstr.) **(Ita)**

[Rational pharmacotherapy of sleep disorders] Jakovljević M, et al. **Lijec Vjesn** 1984 May;106(5):213–7 **(Scr)**

[Clinical response to platelet antiaggregation treatment in a patient with hyperlipoproteinemia type I and a hypersomnic course] Medina León A, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep–Oct;11(5):423–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Sleep disturbances in aging: a theoretic and empiric analysis. Colling J. **ANS** 1983 Oct;6(1):36–44 (52 ref.)

'Vespers Curse' night pain—the bane of Hypnos. LaBan MM. **Arch Phys Med Rehabil** 1984 Sep;65(9):501–4

Ambient temperature–dependence of sleep disturbances produced by basal forebrain damage in rats. Szymusiak R, et al. **Brain Res Bull** 1984 Mar;12(3):295–305

Sleep disorders in the computer age (letter). Gaman WN. **Can Med Assoc J** 1984 Mar 1;130(5): 556

Isolated sleep paralysis after rapid time–zone change ('jet–lag') syndrome. Snyder S. **Chronobiologia** 1983 Oct–Dec;10(4):377–9

Sleep disturbances in the elderly. Quan SF, et al. **Geriatrics** 1984 Sep;39(9):42–7

Hypersomnia in major depressive disorders. Garvey MJ, et al. **J Affective Disord** 1984 Jun;6(3–4):283–6

Posttraumatic excessive daytime sleepiness: a review of 20 patients. Guilleminault C, et al. **Neurology (NY)** 1983 Dec; 33(12):1584–9

[A case of paroxysmal hypersomnia] Bebe M. **Ann Pediatr (Paris)** 1984 Apr;31(4):344 **(Fre)**

[Neuro–endocrine changes and physiopathology of sleep: uses in differential diagnosis of depressive syndromes] Mendlewicz J, et al. **Bull Mem Acad R Med Belg** 1983; 138(11):544–55 (Eng. Abstr.) **(Fre)**

[Nightly television and sleep. Polysomnographic, psychometric and psychopharmacologic studies of patients with sleep disorders] Saletu B, et al. **Med Welt** 1983 Jul 29;34(29–30):829–32 **(Ger)**

[Changes in the EEG in tumors in the area of the 3d ventricle accompanied by a hypersomnic syndrome] Shmel'kin DG, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):663–8 (Eng. Abstr.) **(Rus)**

HISTORY

Nasal obstructions, sleep, and mental function. Lavie P. **Sleep** 1983;6(3):244–6

OCCURRENCE

Prevalence of isolated sleep paralysis in black subjects. Bell CC, et al. **J Natl Med Assoc** 1984 May;76(5):501–8

[Organization of nocturnal sleep in 41 hospitalized patients: evaluation of the first night effect] Mennuni G, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):533–8 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Differentiation of normal and disturbed sleep by automatic analysis. Hasan J. **Acta Physiol Scand [Suppl]** 1983; 526:1–103

Sleep after forty. Mendelson WB. **Am Fam Physician** 1984 Jan;29(1):135–9

Sleep in the Prader–Willi syndrome. Clinical and polygraphic findings. Vela–Bueno A, et al. **Arch Neurol** 1984 Mar; 41(3):294–6

Fragmentary pathological myoclonus in NREM sleep. Broughton R, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr;57(4):303–9

Anthropometric characteristics, cardiac abnormalities and

adrenergic activity in patients with primary disorders of sleep. Boudoulas H, et al. **J Med** 1983;14(3):223–38
Multiple Sleep Latency Test findings in Kleine–Levin syndrome. Reynolds CF, et al. **J Nerv Ment Dis** 1984 Jan; 172(1):41–4
Good and poor sleepers differ in Navy performance. Johnson LC, et al. **Milit Med** 1983 Sep;148(9):727–31
Retention of orienting response extinction in night terrors. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1984 Jan–Mar; 22(1):35–50
A critical review of sleep and its disorders from a developmental perspective. Kupfer DJ, et al. **Psychiatr Dev** 1983 Winter;1(4):367–86 (79 ref.)
[Sleep disorders in children] Cohen–Matthijsen T. **Ned Tijdschr Geneeskd** 1984 Jun 2;128(22):1053–7 **(Dut)**
[Meso–diencephalic sleep disorders in children] Vesper J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:98–108 **(Ger)**
[Kleine–Levin–Critchley syndrome: polygraphic study of sleep organization in 1 case] Strusi L, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):546–52 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Sleep disturbance due to transportation noise: ear plugs vs oral drugs. Vallet M, et al. **Experientia** 1984 May 15; 40(5):429–37

PSYCHOLOGY

[Clinical session at the Brazilian Institute for the Study and Research in Gastroenterology] **Arq Gastroenterol** 1983 Jul–Sep;20(3):123–30 **(Por)**

THERAPY

Hypnotherapy over the telephone. Cooperman S, et al. **Am J Clin Hypn** 1983 Apr;25(4):277–9
A developmental approach to the management of children with sleep disturbances in the first three years of life. Largo RH, et al. **Eur J Pediatr** 1984 Aug;142(3):170–3
Treatment of sleep disorders III: Enuresis, sleepwalking, night terrors and nightmares. Kales JD, et al. **Ration Drug Ther** 1983 Oct;17(10):1–6
Successful treatment of human non–24–hour sleep–wake syndrome. Kamgar–Parsi B, et al. **Sleep** 1983;6(3):257–64

SLEEP, REM

First REM latency in patients with myasthenia gravis: an observation, an hypothesis. Mennuni G, et al. **Acta Neurol (Napoli)** 1983 Aug;5(4):253–
REM latency in depression: is there one best definition? Reynolds CF 3d, et al. **Biol Psychiatry** 1983 Aug; 18(8):849–63
Rapid eye movement sleep measures of Alzheimer's–type dementia patients and optimally healthy aged individuals. Vitiello MV, et al. **Biol Psychiatry** 1984 May;19(5):721–34
Lucid dreaming: correspondence between dreamed and actual events in one subject during REM sleep. Fenwick P, et al. **Biol Psychol** 1984 Jun;18(4):243–52
REM sleep prevents sudden infant death syndrome. Watanabe K, et al. **Eur J Pediatr** 1983 Sep;140(4):289–92
REM sleep deprivation decreases the antinociceptive property of enkephalinase–inhibition, morphine and cold–water–swim. Ukponmwan OE, et al. **Gen Pharmacol** 1984;15(3):255–8
Role of sleep in the regulation of learning and memory. Oniani TN. **Hum Physiol** 1982 Nov–Dec;8(6):381–91
Memory, emotion, and REM sleep. Greenberg R, et al. **J Abnorm Psychol** 1983 Aug;92(3):378–81
Identification of r.e.m. sleep in the mouse by measuring the body movements. Higashi A. **Med Biol Eng Comput** 1983 Sep;21(5):644–6
Effects of REM deprivation on the lordosis response induced by gonadal steroids in ovariectomized rats. Velazquez–Moctezuma J, et al. **Physiol Behav** 1984 Jan; 32(1):91–4
REM latency in neurotic and endogenous depression and the cholinergic REM induction test. Berger M, et al. **Psychiatry Res** 1983 Oct;10(2):113–23
REM and NREM sleep reports: comparison of word frequencies by cognitive classes. Antrobus J. **Psychophysiology** 1983 Sep;20(5):562–8
Distribution of REM latencies and other sleep phenomena in depression as explained by a single ultradian rhythm disturbance. Beersma DG, et al. **Sleep** 1984;7(2):126–36
Evidence for a directional correspondence between eye movements and dream imagery in REM sleep. Herman JH, et al. **Sleep** 1984;7(1):52–63
Nocturnal REM latency and sleep disturbance in narcolepsy. Mosko SS, et al. **Sleep** 1984;7(2):115–25
[Sleep and dreams in patients with parietal and frontal lobe lesions] Cathala HP, et al. **Rev Neurol (Paris)** 1983; 139(8–9):497–508 (Eng. Abstr.) **(Fre)**
[Diagnosis of impotence. 3. Reduction in REM (rapid eye movement) sleep in patients with impotence] Imagawa A, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul; 74(7):1213–8 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

A twin study of cholinergic REM induction. Nurnberger J Jr, et al. **Biol Psychiatry** 1983 Oct;18(10):1161–5
Reversal of rapid eye movement sleep without atonia by chloramphenicol. Aguilar–Roblero R, et al. **Brain Res** 1984 Jul 2;305(1):19–26
Enhancement of desynchronized sleep signs after pontine microinjection of the muscarinic agonist bethanechol. Hobson JA, et al. **Brain Res** 1983 Sep 19;275(1):127–36
The effects of indalpine—a selective inhibitor of 5–HT uptake—on rat paradoxical sleep. Kafi–De St Hilaire S, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):413–8
A comparative 25–night sleep laboratory study on the effects of quazepam and triazolam on chronic insomniacs. Mamelak M, et al. **J Clin Pharmacol** 1984 Feb–Mar; 24(2–3):65–75
Suppression of REM rebound by Pergolide. Askenasy JJ, et al. **J Neural Transm** 1984;59(2):151–9
Psychobiological predictors of antidepressant drug response. Rush AJ, et al. **Pharmacopsychiatria** 1983 Nov;16(6):192–4
Enkephalinase inhibition antagonizes the increased susceptibility to seizure induced by REM sleep deprivation. Ukponmwan OE, et al. **Psychopharmacology (Berlin)** 1984; 83(3):229–32
[Bacitracin, a peptidase inhibitor, increases paradoxical sleep in the cat] Sastre JP, et al. **C R Seances Acad Sci [III]** 1983;296(20):965–8 (Eng. Abstr.) **(Fre)**
[The rate of rapid eye movements in man under the effect of benzodiazepines. An indicator for alertness and reaction capacity] Hofferberth B. **Med Welt** 1983 Nov 25; 34(47):1349–52 **(Ger)**

PHYSIOLOGY

REM latency and DST results [letter] Mendlewicz J. **Am J Psychiatry** 1984 Mar;141(3):473–4
Maintenance of an elevated FRC in the newborn. Paradox of REM sleep [editorial] Bryan AC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):209–10
A portable data acquisition system for research into impotency in males. Attikiouzel J, et al. **Australas Phys Eng Sci Med** 1983 Apr–Jun;6(2):88–93
Paradoxical sleep in the dark period of the rat: a dissociation between electrophysiological and behavioral characteristics. Coenen AM, et al. **Behav Neural Biol** 1983 Mar;37(2):350–6
Sleep onset REM episodes are associated with circadian parameters of body temperature. A study in depressed patients and normal controls. Schulz H, et al. **Biol Psychiatry** 1983 Dec;18(12):1411–26
The consolidation hypothesis for REM sleep function: stress and other confounding factors—a review. Horne JA, et al. **Biol Psychol** 1984 May;18(3):165–84 (220 ref.)
Biochemical pharmacology of paradoxical sleep. Gaillard JM. **Br J Clin Pharmacol** 1983;16 Suppl 2:205S–230S
Kainic acid lesions of gigantocellular tegmental field (FTG) neurons does not abolish REM sleep. Drucker–Colín R, et al. **Brain Res** 1983 Aug 8;272(2):387–91
Increasing PGO spike density by auditory stimulation increases the duration and decreases the latency of rapid eye movement (REM) sleep. Drucker–Colín R, et al. **Brain Res** 1983 Nov 14;278(1–2):308–12
Effects of neonatal treatment with clomipramine on adult ethanol related behavior in the rat. Hilakivi LA, et al. **Brain Res** 1984 Jul;317(1):129–32
Human cerebral potentials associated with REM sleep rapid eye movements: links to PGO waves and waking potentials. McCarley RW, et al. **Brain Res** 1983 Sep 12;274(2):359–64
Effects of REM sleep deprivation and desipramine on beta–adrenergic binding sites in rat brain. Radulovacki M, et al. **Brain Res** 1982 Mar 11;235(2):393–6
The effect of rapid eye movement sleep deprivation on cortical beta–adrenergic receptors. Abel MS, et al. **Brain Res Bull** 1983 Dec;11(6):729–34
Nocturnal headache: systemic arterial pressure and heart rate during sleep. Cirignotta F, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:54–7
Ventilation and oxygenation changes during sleep in cystic fibrosis. Tepper RS, et al. **Chest** 1983 Oct;84(4):388–93
Fragmentary pathological myoclonus in NREM sleep. Broughton R, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr;57(4):303–9
REM latency: development in the first year of life. Schulz H, et al. **Electroencephalogr Clin Neurophysiol** 1983 Oct; 56(4):316–22
Presence of a paradoxical sleep (PS) factor in the cerebrospinal fluid of PS–deprived rats. Adrien J, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):223–6
Bulbo–thalamic neurons related to thalamocortical activation processes during paradoxical sleep. Steriade M, et al. **Exp Brain Res** 1984;54(3):463–75
Sleep disorders: learn to recognize treatable causes [editorial] Divertie MB. **Geriatrics** 1984 Sep;39(9):15, 18
Sleep disturbances in the elderly. Quan SF, et al. **Geriatrics** 1984 Sep;39(9):42–7
The time course of slow wave sleep and REM sleep in habitual long and short sleepers: effect of prior wakefulness. Benoit O, et al. **Hum Neurobiol** 1983;2(2):91–6
REM sleep burst neurons, PGO waves, and eye movement information. Nelson JP, et al. **J Neurophysiol** 1983 Oct; 50(4):784–97
Penile tumescence in temporally normal and pathologic rapid eye movement sleep. Scharf MB, et al. **J Urol** 1983 Nov; 130(5):909–11
The function of dreaming [letter] Daroff RB, et al. **Neurology (NY)** 1984 Sep;34(9):1271
Localized pontine lesion: nearly total absence of REM sleep. Lavie P, et al. **Neurology (NY)** 1984 Jan;34(1):118–20
Phasic paradoxical sleep precipitates focal motor and limbic seizures. Cepeda C, et al. **Neurosci Lett** 1984 Jun 15; 47(2):179–84
Increase of paradoxical sleep by electrical stimulation within lateral ventricles of rat. Dupuy JJ, et al. **Neurosci Lett** 1983 Oct 10;40(3):309–13
REM sleep signs rostral to chronic transections at the pontomedullary junction. Siegel JM, et al. **Neurosci Lett** 1984 Apr 6;45(3):241–6
Search activity in the context of psychosomatic disturbances, of brain monoamines and REM sleep function. Rotenberg VS. **Pavlov J Biol Sci** 1984 Jan–Mar;19(1):1–15
Swimming immobility of REM sleep deprived rats reared in different environments. Hodgson JA. **Physiol Behav** 1984 Jan;32(1):17–23
Neither REM sleep deprivation nor rebound influences 3H–diazepam binding n rat brain. Mueser T, et al. **Physiol Behav** 1983 Aug;31(2):237–9
Brainstem control of the events of REM sleep. Vertes RP. **Prog Neurobiol** 1984;22(3):241–88 (290 ref.)
Right cerebral activation in REM sleep: evidence from a unilateral tactile recognition test. Bertini M, et al. **Psychophysiology** 1984 Jul;21(4):418–23
Similarity of eye movement characteristics in REM sleep and the awake state. Herman JH, et al. **Psychophysiology** 1983 Sep;20(5):537–43
Lucid, Prelucid, and nonlucid dreams related to the amount of EEG alpha activity during REM sleep. Tyson PD, et al. **Psychophysiology** 1984 Jul;21(4):442–51
The role of hypoxia in sleep, and its function as a precursory etiologic mechanism for the REM state: a hypothesis. Siva Sankar DV. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):335–6
REM sleep deprivation and dopamine in the CNS. Carlini EA. **Rev Pure Appl Pharmacol Sci** 1983 Jan–Mar;4(1):1–25 (121 ref.)
[The structure of the occurrence of rapid eye movements in paradoxical sleep is similar in homozygotic twins] Chouvet G, et al. **C R Seances Acad Sci [III]** 1983; 296(22):1063–8 (Eng. Abstr.) **(Fre)**
[Implication of hypothalamic structures in indolaminergic mechanisms of paradoxical sleep] Sallanon M, et al. **C R Seances Acad Sci [III]** 1983;297(11):531–4 (Eng. Abstr.) **(Fre)**
[The effects of REM sleep deprivation on the motor behavior of rats] Keller G, et al. **Biomed Biochim Acta** 1984; 43(3):365–70 (Eng. Abstr.) **(Ger)**
[Postural activity—especially awaking from REM sleep] Sugawara M. **No To Shinkei** 1984 Jun;36(6):519–26 (Eng. Abstr.) **(Jpn)**
[Effects of REM deprivation on the monoamine metabolism in various regions of the rat brain] Semba J. **Seishin Shinkeigaku Zasshi** 1983;85(6):349–60 (Eng. Abstr.) **(Jpn)**
[Method of presentation of the distribution of electroencephalographic signals by the frequency spectrum] Aristakesian EA, et al. **Fiziol Zh SSSR** 1983 Oct; 69(10):1376–9 **(Rus)**
[Effect of deprivation of paradoxical sleep on retention of the 'passive' avoidance response] Koridze MG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):858–63 (Eng. Abstr.) **(Rus)**

SLEEP STAGES

Event–related non–specific responses (K–complexes) during sleep. Rajna P, et al. **Acta Med Hung** 1983;40(1):33–40
Differences in diazepam and oxazepam [letter] DeVane CL, et al. **Arch Gen Psychiatry** 1984 Mar;41(3):311
Relationships in sleep characteristics of identical and fraternal twins. Webb WB, et al. **Arch Gen Psychiatry** 1983 Oct; 40(10):1093–5
Ontogenesis of circadian sleep–wakefulness rhythms and developmental changes of sleep in the altricial rat and in the precocial guinea pig. Ibuka N. **Behav Brain Res** 1984 Mar;11(3):185–96
Electroencephalographic sleep in secondary depression: a revisit. Thase ME, et al. **Biol Psychiatry** 1984 Jun; 19(6):805–14
Are there permanent effects of night shift work on sleep? Webb WB. **Biol Psychol** 1983 May–Jun;16(3–4):273–83
Spindling index in chronic chorea. Puca FM, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1377–82
Age–related changes in the sleep pattern of male adult rats. Van Gool WA, et al. **Brain Res** 1983 Nov 21;279(1–2):394–8
Development of consolidated sleep and wakeful periods in relation to the day/night cycle in infancy. Coons S, et al. **Dev Med Child Neurol** 1984 Apr;26(2):169–76
Spectral analysis of all–night sleep EEG in healthy adults. Dumermuth G, et al. **Eur Neurol** 1983;22(5):322–39
EEG sleep 'abnormalities' in preadolescent boys with a diagnosis of conduct disorder. Coble PA, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):438–47
Sleep patterns in children of superior intelligence. Busby K, et al. **J Child Psychol Psychiatry** 1983 Oct;24(4):587–600
Sleep duration, temperament, and Conners' ratings of three–year–old children. Weissbluth M. **JDBP** 1984 Jun; 5(3):120–3
Sleep state and respiration in newborn infants undergoing phototherapy. Korinthenberg R, et al. **Neuropediatrics** 1983

Aug;14(3):155–9
Correlates of adaptation to the sleep laboratory. Behavior, sleep organization, quantitative EEG. Rosadini G, et al. **Neuropsychobiology** 1983;10(2–3):178–82
A scoring system for states of sleep and wakefulness in term and preterm infants. Stefanski M, et al. **Pediatr Res** 1984 Jan;18(1):58–62
Ventilatory regulation in hypoxic sleep: introduction. Dempsey JA. **Prog Clin Biol Res** 1983;136:61–3 (2 ref.)
Effect of preexisting borderline personality disorder on clinical and EEG sleep correlates of depression. Bell J, et al. **Psychiatry Res** 1983 Jun;9(2):115–23
All-night spectral analysis of the sleep EEG in untreated depressives and normal controls. Borbély AA, et al. **Psychiatry Res** 1984 May;12(1):27–33
'The Delicious Progress': whiteness as an atavism in Conrad Aiken's 'Silent Snow, Secret Snow'. Lavery DL. **Psychoanal Rev** 1983 Summer;70(2):235–9
Ingestion in fetal sheep and its relation to sleep states and breathing movements. Harding R, et al. **Q J Exp Physiol** 1984 Jul;69(3):477–86
Effect of sleep position on sleep apnea severity. Cartwright RD. **Sleep** 1984;7(2):110–4
EEG electrode positions outside the hairline to monitor sleep in man. Dyson RJ, et al. **Sleep** 1984;7(2):180–8
Temporal sequence and unit composition in dream reports from different stages of sleep. Foulkes D, et al. **Sleep** 1983; 6(3):265–80
Spindle characteristics in prepubertal major depressives during an episode and after sustained recovery: a controlled study. Goetz RR, et al. **Sleep** 1983;6(4):369–75
The effect of sleep before or after learning on memory. Grosvenor A, et al. **Sleep** 1984;7(2):155–67
The detection of behavioral state cycles and classification of temporal structure in behavioral states. Kraemer HC, et al. **Sleep** 1984;7(1):3–17
Disappearance of palatal myoclonus during sleep [letter] Montagna P, et al. **Sleep** 1983;6(4):386–7
Delta, theta, alpha and beta power spectrum of sleep electroencephalogram in infants aged two to eleven months. Samson-Dollfus D, et al. **Sleep** 1983;6(4):376–83
A head position monitor for polysomnography. Schmidt-Nowara WW, et al. **Sleep** 1983;6(4):384–5
NREM sleep continuity and the sense of having slept in normal sleepers. Sewitch DE. **Sleep** 1984;7(2):147–54
Sleep fragmentation and daytime sleepiness. Stepanski E, et al. **Sleep** 1984;7(1):18–26
Properties of human sleep–wake cycles: parameters of internally synchronized free-running rhythms. Wever RA. **Sleep** 1984;7(1):27–51
[Sleep disorders in children] Cohen-Matthijsen T. **Ned Tijdschr Geneeskd** 1984 Jun 2;128(22):1053–7 **(Dut)**
[Short sleep on the EEG—a source of otherwise overlooked EEG abnormalities] Niedermeyer E, et al. **EEG EMG** 1984 Jun;15(2):57–66 (Eng. Abstr.) **(Ger)**
[Possibilities of multidimensional sleep studies in the diagnosis of functional disorders in childhood] Vesper J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;30:1–140 **(Ger)**
[Spindle activity during sleep in subjects with a deficit in pallesthetic sensibility] Cicirata F, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1357–63 (Eng. Abstr.) **(Ita)**
[Sleep in a case of hemiballism] Puca FM, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):981–7 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

The relationship between ethanol-induced locomotor activation and narcosis in long-sleep and short-sleep mice. Dudek BC, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):272–6
Concentration-dependent effects of ethanol in long-sleep and short-sleep mice. Gilliam DM, et al. **Alcoholism (NY)** 1983 Summer;7(3):337–42
Breathing during sleep: the responses to asphyxia and prochlorperazine in normal subjects and patients with obstructive sleep apnea. Olson LG, et al. **Aust NZ J Med** 1983 Dec;13(6):613–20
The effect of dexamethasone on sleep: preliminary results in eleven patients. Feinberg M, et al. **Biol Psychiatry** 1984 May;19(5):771–5
Effects of brotizolam on the sleep of chronic insomniacs. Mamelak M, et al. **Br J Clin Pharmacol** 1983;16 Suppl 2:377S–382S
Chronic intracerebroventricular infusion of insulin causes selective increase of slow wave sleep in rats. Danguir J, et al. **Brain Res** 1984 Jul 23;306(1–2):97–103
Diazepam and midazolam increase light slow-wave sleep (SWS1) and decrease wakefulness in rats. Radulovacki M, et al. **Brain Res** 1984 Jun 11;303(1):194–6
Hypnotic effects of deoxycorformycin in rats. Radulovacki M, et al. **Brain Res** 1983 Jul 25;271(2):392–5
Low and moderate alcohol doses, psychomotor performance and perceived drowsiness. Landauer AA, et al. **Ergonomics** 1983 Jul;26(7):647–57
Effects of naloxone on the hering-breuer apnea in sleeping kittens. Chow CM, et al. **J Appl Physiol** 1984 May; 56(5):1278–82
Muramyl peptides. Variation of somnogenic activity with structure. Krueger JM, et al. **J Exp Med** 1984 Jan 1; 159(1):68–76
Evidence that behavioural and electrocortical sleep induced by guanfacine is due to stimulation of alpha 2-adrenoceptors. Rotiroti D, et al. **J Psychiatr Res** 1982–83; 17(3):231–9
Dose-response effects of ethanol on the sleep of young women. Williams DL, et al. **J Stud Alcohol** 1983 May; 44(3):515–23
The alpha-sleep pattern. Differentiation from other sleep patterns and effect of hypnotics. Scheuler W, et al. **Neuropsychobiology** 1983;10(2–3):183–9
Delta-sleep-inducing peptide (DSIP): a review. Graf MV, et al. **Neurosci Biobehav Rev** 1984 Spring;8(1):83–93 (155 ref.)
Increased sleep following intracerebroventricular injection of the delta sleep-inducing peptide in rats. Ursin R, et al. **Neurosci Lett** 1983 Sep 30;40(2):145–9
Muramyl dipeptide does not induce slow-wave sleep or fever in rats. Fornal C, et al. **Peptides (Fayetteville)** 1984 Jan–Feb; 5(1):91–5
Effect of prenatal alcohol exposure on consumption of alcohol and alcohol-induced sleep time in mice. Randall CL, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:325–9
Cerebellar role in the differential ethanol sensitivity of long sleep and short sleep mice. Seiger A, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:495–9
Lack of relationship between estrus cycle and effect of ethanol in mice. Wanderley I, et al. **Psychol Rep** 1984 Jun; 54(3):997–8
Acute trazodone poisoning: clinical signs and plasma concentrations. Henry JA, et al. **Psychopathology** 1984;17 Suppl 2:77–81
Sleep pattern alterations by naloxone. Partial prevention by haloperidol. Cianchetti C, et al. **Psychopharmacology (Berlin)** 1984;83(2):179–82
CO2 and naloxone modify sleep/wake state and activate breathing in the acute fetal lamb preparation. Moss IR, et al. **Respir Physiol** 1984 Mar;55(3):325–40
Sleep patterns in cats during chronic low-dose barbiturate treatment and withdrawal. Hinman DJ, et al. **Sleep** 1984; 7(1):69–76
Nifedipine blocks sleep induction by flurazepam in the rat. Mendelson WB, et al. **Sleep** 1984;7(1):64–8
Experimental elevations of blood pressure induced as an internal stimulus during sleep in man: effects on cortical vigilance and response thresholds in different sleep stages. Schneider-Helmert D. **Sleep** 1983;6(4):339–46
[Studies on the effect of Harmonicum Much on sleep using polygraphic EEG recordings] Gessner B, et al. **EEG EMG** 1984 Mar;15(1):45–51 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Nasal resistance during wakefulness and sleep in normal man. Hudgel DW, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):130–5
Consecutive-night reliability of portable nocturnal penile tumescence monitor. Procci WR, et al. **Arch Sex Behav** 1983 Aug;12(4):307–16
Heart rate response to tilting in newborns in quiet and active sleep. Finley JP, et al. **Biol Neonate** 1984;45(1):1–10
Reliability of spontaneous electrodermal activity in humans as a function of sleep stages. Freixa i Baqué E. **Biol Psychol** 1983 Sep–Nov;17(2–3):137–43
Differential pulse voltammetry: parallel peak 3 changes with vigilance states in raphe dorsalis and raphe magnus of chronic freely moving rats and evidence for a 5-HT contribution to these peaks after monoamine oxidase inhibitors. Crespi F, et al. **Brain Res** 1983 Aug 8; 272(2):263–8
The role of beta- and alpha-adrenoceptors in the regulation of the stages of the sleep-waking cycle in the cat. Hilakivi I. **Brain Res** 1983 Oct 24;277(1):109–18
PGO waves in rats in the non-paradoxical sleep states. Kaufman LS. **Brain Res** 1983 Oct 3;276(1):73–80
Sleep and purposive behavior: inverse deviations from randomness of neuronal firing patterns in the feline thalamus. A new form of homeostasis? Marczynski TJ, et al. **Brain Res** 1984 Apr 23;298(1):75–90
Activity of mesencephalic dopamine and non-dopamine neurons across stages of sleep and walking in the rat. Miller JD, et al. **Brain Res** 1983 Aug 22;273(1):133–41
Response of dopaminergic neurons in cat to auditory stimuli presented across the sleep-waking cycle. Steinfels GF, et al. **Brain Res** 1983 Oct 24;277(1):150–4
Thermal balance and sleep state in the newborn. Stothers JK, et al. **Early Hum Dev** 1984 Jun;9(4):313–22
Paroxysmal spike and wave activity in drowsiness in young children: its relationship to febrile convulsions. Alvarez N, et al. **Electroencephalogr Clin Neurophysiol** 1983 Nov; 56(5):406–13
Sleep-wakefulness patterns in the aged cat. Bowersox SS, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep; 58(3):240–52
Study of sleep-wakefulness states by computer graphics and cluster analysis before and after lesions of the pontine tegmentum in the cat. Friedman L, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jan;57(1):43–56
The influence of acute hypoxia and sleep states on the electrical activity of the cerebellum in the sheep fetus. Harding R, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;57(2):166–73
Cortical visual evoked potentials during the sleep wakefulness cycle of the freely moving cat. Characterization and statistical comparisons. Sigüenza JA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):165–71
Effects on sleep stages and EEG power density of different degrees of exercise in fit subjects. Torsvall L, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 57(4):347–53
Postnatal development of spontaneous neuronal discharges in the pontine reticular formation of free-moving rats during sleep and wakefulness. Corner MA, et al. **Exp Brain Res** 1984;54(1):66–72
The sleep-wake transition in the oculomotor system. Henn V, et al. **Exp Brain Res** 1984;54(1):166–76
Activity of serotonin-containing nucleus centralis superior (Raphe medianus) neurons in freely moving cats. Trulson ME, et al. **Exp Brain Res** 1984;54(1):33–44
A lethargic infant with fever and 'a drop of bloody stool'. Liptak GS. **Hosp Pract** 1983 Nov;18(11):129–30, 134
Classical sleep stages and the spectral content of the EEG signal. Gath I, et al. **Int J Neurosci** 1983 Dec; 22(1–2):147–55
Cognitive asymmetries after waking from REM and NONREM sleep: effects of delayed testing and handedness. Lavie P, et al. **Int J Neurosci** 1984 Aug;23(4):311–5
Ventilation and arousal responses to hypercapnia in normal sleeping humans. Berthon-Jones M, et al. **J Appl Physiol** 1984 Jul;57(1):59–67
Ventilatory response to hypercapnia during sleep and wakefulness in cats. Netick A, et al. **J Appl Physiol** 1984 May;56(5):1347–54
Interaction of sleep state and chemical stimuli in sustaining rhythmic ventilation. Skatrud JB, et al. **J Appl Physiol** 1983 Sep;55(3):813–22
Spinal motoneuronal excitability during wakefulness and non-REM sleep in hyperkinesis. Mercier L, et al. **J Clin Neuropsychol** 1983 Dec;5(4):321–36
Lateral geniculate nucleus unitary discharge in sleep and waking: state- and rate-specific aspects. McCarley RW, et al. **J Neurophysiol** 1983 Oct;50(4):798–818
The wake-sleep cycle in poikilothermic vertebrates according to data of continuous, noncontact recording of heart rate and motor activity. Belich AI. **Neurosci Behav Physiol** 1984 Mar–Apr;14(2):159–66
Arousal episodes during sleep in the neonatal rat. Corner M, et al. **Neurosci Lett** 1983 Nov 21;42(1):45–8
Failure of high intensity auditory stimuli to affect behavioral arousal in children during the first sleep cycle. Busby K, et al. **Pediatr Res** 1983 Oct;17(10):802–5
Nocturnal sleep organization in infants 'at risk' for sudden infant death syndrome. Navelet Y, et al. **Pediatr Res** 1984 Jul;18(7):654–7
Comparisons of behavioral, motoric and electrical criteria for assessment of sleep-wake states in the rabbit. Zeidner LP, et al. **Physiol Behav** 1983 Sep;31(3):273–8
Nocturnal activity and the enuresis alarm device. Crisp AH, et al. **Postgrad Med J** 1984 Apr;60(702):280–1
Effect of sleep state and chemical stimuli on breathing. Skatrud JB, et al. **Prog Clin Biol Res** 1983;136:87–95 (15 ref.)
Nighttime plasma cortisol secretion and EEG sleep—are they associated? Kupfer DJ, et al. **Psychiatry Res** 1983 Nov; 10(3):191–9
Polysomnographic and MMPI characteristics of patients with insomnia. Zorick F, et al. **Psychopharmacology Suppl** 1984; 1:2–10
Behavioral control of respiration in sleep. Badia P, et al. **Psychophysiology** 1984 Sep;21(5):494–500
Reliability of the sleep cycle as a scoring unit. Bunnell DE, et al. **Psychophysiology** 1984 Jul;21(4):482–5
Facilitated recall following REM and NREM naps. Schoen LS, et al. **Psychophysiology** 1984 May;21(3):299–306
The effects of a restricted sleep regime on the composition of sleep and on performance. Tilley AJ, et al. **Psychophysiology** 1984 Jul;21(4):406–12
Heart rhythm during sleep in ischemic heart disease. Zemaityté D, et al. **Psychophysiology** 1984 May;21(3):290–8
Heart rhythm control during sleep. Zemaityté D, et al. **Psychophysiology** 1984 May;21(3):279–89
Pituitary-gonadal function during sleep in men with erectile impotence and normal controls. Schiavi RC, et al. **Psychosom Med** 1984 May–Jun;46(3):239–54
Intercostal muscle activity of the cat in the curled, semiprone sleeping posture. Dick TE, et al. **Respir Physiol** 1984 Jun; 56(3):385–94
[Transitory EEG asymmetry at the start of quiet sleep in the newborn infant: 75 cases] Challamel MJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Jun; 14(1):17–23 (Eng. Abstr.) **(Fre)**
[Functional relation between petit mal epilepsy and sleep] Tomka I. **EEG EMG** 1983 Sep;14(3):154–9 (Eng. Abstr.) **(Ger)**
[Prognostic values of the determination of sleep-related gonadotropin rhythm in delayed puberty] Beck W. **Monatsschr Kinderheilkd** 1984 Jul;132(7):543–6 (Eng. Abstr.) **(Ger)**
[Role of the brain stem in the modification of epileptic activity in sleep states] Hrazdira CL. **Psychiatr Neurol Med Psychol Beih** 1983;29:88–97 **(Ger)**
[Pathology of the brain stem and sleep] Wein AM, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:80–7 **(Ger)**
[Theta rhythms and positive bioccipital waves in the EEG during sleep] Pristašová E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Nov; 35(11):656–60 (Eng. Abstr.) **(Ger)**

[Body movements during sleep in Lennox syndrome] Iwakawa Y, et al. **No To Shinkei** 1984 Mar;36(3):267–73 (Eng. Abstr.) **(Jpn)**

[Effects of fornix lesion on visual evoked responses during sleep and wakefulness in rats] Usui S, et al. **Shinrigaku Kenkyu** 1983 Apr;54(1):9–14 (Eng. Abstr.) **(Jpn)**

[Effect of different stages of physiological nocturnal sleep on interseizure discharges in patients with various forms of epilepsy] Fryze C, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):213–9 (Eng. Abstr.) **(Pol)**

[Structure of nocturnal sleep in functional urination disorders in children] Glybin AS, et al. **Pediatriia** 1983 Oct;(10):36–40 (Eng. Abstr.) **(Rus)**

[Structure of nocturnal sleep in sleep disorders among middle and late middle-aged patients] Vlasov NA, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):573–7 (Eng. Abstr.) **(Rus)**

[The wake-sleep cycle in the cat following dorso-pontine lesions] Caballero A. **Rev Esp Fisiol** 1983 Dec;39(4):373–84 (Eng. Abstr.) **(Spa)**

SLEEP TERROR DISORDER see **SLEEP DISORDERS**

SLIME BACTERIA see **MYXOBACTERALES**

SLIME MOLDS see **MYXOMYCETES**

SLOTHS see under **EDENTATA**

SLOW ALPHA 2-MACROGLOBULINS see **ALPHA MACROGLOBULINS**

SLOW REACTING SUBSTANCE OF ANAPHYLAXIS see **SRS-A**

SLOW-REACTING SUBSTANCES

see related
NEUROREGULATORS

BLOOD

Studies of a digitalis-like autacoid in dog plasma. Buckalew VM Jr, et al. **Trans Am Clin Climatol Assoc** 1983;95:86–92

IMMUNOLOGY

[Frostaglandins and leukotrienes] Segura R. **Med Clin (Barc)** 1983 Nov 12;81(15):678–87 **(Spa)**

ISOLATION & PURIFICATION

[Slow reacting substance from human peripheral polymorphonuclear leukocytes by incubation with fresh autologous serum and zymosan. Part 1. Requirement for SRS release from PMNs and comparison of the behavior of synthetic leukotrienes and SRS released from human PMN on HPLC] Kishimoto M, et al. **Arerugi** 1983 Dec; 32(12):1180–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Metabolites of arachidonic acid. Stenson WF, et al. **Clin Rev Allergy** 1983 Sep;1(3):369–84 (88 ref.)

Hormonal and neurotransmitter regulation of Ca++ influx through voltage-dependent slow channels in cardiac muscle membrane. Sperelakis N. **Membr Biochem** 1984; 5(2):131–66 (49 ref.)

Release of slow reacting substance from the guinea-pig lung by phospholipases A2 of Vipera russelli snake venom. Huang HC. **Toxicon** 1984;22(3):359–72

[Release of slow reacting substance from rabbit ocular tissues] Kin K. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1408–14 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Autacoid and beta-adrenergic agonist modulation of N-formylmethionyl-leucyl-phenylalanine evoked lysosomal enzyme release from human neutrophils. Fantozzi R, et al. **Agents Actions** 1984 Apr;14(3–4):441–50

Effects of vasoactive autacoids on the human umbilical-fetal placental vasculature. Mak KK, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):99–106

PHYSIOLOGY

Regulation of connective tissue metabolism by autacoid mediators. Castor CW. **J Rheumatol** 1983 Dec;10 Suppl 11:55–60

[The concept of mediators in acute inflammatory reactions] Lecomte J, et al. **Ann Biol Clin (Paris)** 1984;42(1):27–30 (Eng. Abstr.) **(Fre)**

SECRETION

Release of platelet-activating factor, slow-reacting substance, and vasoactive amines from isolated rat kidneys. Pirotzky E, et al. **Kidney Int** 1984 Feb;25(2):404–10

[Release of histamine and slow reacting substance from human peripheral leukocytes] Totani Y. **Arerugi** 1983 Nov; 32(11):1113–8 (Eng. Abstr.) **(Jpn)**

SLOW VIRUS DISEASES

Multiple sclerosis and visna [letter] Thormar H. **Science** 1983 Dec 2;222(4627):966

COMPLICATIONS

Senile dementia of the Alzheimer type: possibility of infectious etiology in genetically susceptible individuals. Wisniewski HM, et al. **Acta Neurol Scand [Suppl]** 1984; 99:91–7

DIAGNOSIS

[Slow viruses of the central nervous system. IV. Progressive multifocal leukoencephalopathy] Liberski PP. **Postepy Hig Med Dosw** 1983 Jul–Aug;37(4):389–406 (74 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Evidence for both respiratory syncytial virus and measles virus antigens in the osteoclasts of patients with Paget's disease of bone. Mills BG, et al. **Clin Orthop** 1984 Mar; (183):303–11

[Immunologic analysis of the pathology developing in mice as a results of intrauterine infection with the influenza virus] Mirchink EP, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):162–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Slow latent chronic or recurrent viral infections of the nervous system in man] Cathala F. **Bull WHO** 1983; 61(4):563–81 (0 ref.) (Eng. Abstr.) **(Fre)**

PATHOLOGY

Infection-specific particle from the unconventional slow virus diseases. Merz PA, et al. **Science** 1984 Jul 27; 225(4660):437–40

[Experimental amyotrophic leukospongiosis] Votiakov VI, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):39–44 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Slow influenzal infection developing in the progeny of mice as a result of infection of the females during pregnancy] Mirchink EP, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):32–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Experimental infection of sheep by caprine arthritis-encephalitis virus and goats by progressive pneumonia virus. Banks KL, et al. **Am J Vet Res** 1983 Dec;44(12):2307–11

SMALLPOX

[Comment on the film 'Variola Vera'] Perišić Z. **Srp Arh Celok Lek** 1983 May;111(5):705–10 **(Scc)**

DIAGNOSIS

[Varioliform gastritis with loss of proteins] Girard D, et al. **Rev Med Interne** 1984 Mar;5(1):69–71 **(Fre)**

HISTORY

Doctor Thomas Dimsdale, and smallpox in Russia. The variolation of the Empress Catherine the Great. Griffiths J. **Bristol Med Chir J** 1984 Jan;99(369):14–6

Smallpox: a disease that disappeared. Bloch H. **Clin Pediatr (Phila)** 1984 May;23(5):290–1

Jenner: from folklore to scientific triumph. Bendiner E. **Hosp Pract [Off]** 1984 Apr;19(4):183–7, 190–1, 196, passim

Rider Haggard and smallpox. Thomson WA. **J R Soc Med** 1984 Jun;77(6):506–12

The smallpox story: life and death of an old disease. Behbehani AM. **Microbiol Rev** 1983 Dec;47(4):455–509 (110 ref.)

OCCURRENCE

Leads from the MMWR. Post-smallpox eradication surveillance. **JAMA** 1983 Oct 14;250(14):1818

PREVENTION & CONTROL

Smallpox eradication [editorial] Haq G. **JPMA** 1983 Jun; 33(6):127–8

Orthopox surveillance: post-smallpox eradication policy. **MMWR** 1983 Dec 16;32(49):640–6

Prospects for the eradication of infectious diseases. Stuart-Harris C. **Rev Infect Dis** 1984 May-Jun;6(3):405–11 (32 ref.)

Role of the World Health Organization in the world-wide eradication of smallpox. Ladnyi ID, et al. **Z Gesamte Hyg** 1983 Sep;29(9):490–4 (9 ref.)

[Development of diseases with compulsory vaccination] Levy C. **Cah Sociol Demogr Med** 1984 Jan–Mar;24(1):43–71 **(Fre)**

[Theoretical bases of the eradication of smallpox] Ladnyĭ ID. **Tr Inst Pastera** 1983;61:20–31 (Eng. Abstr.) **(Rus)**

[5 years without smallpox: problems and outlooks] Ladnyĭ ID, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep; (9):7–11 **(Rus)**

TRANSMISSION

An objective reconstruction of the chain of contagion. Pisani JF, et al. **Soc Sci Med** 1984;18(9):775–82

SMALLPOX VACCINE

Military use of vaccine criticized [news] Budiansky S. **Nature** 1984 Jan 5–11;307(5946):7

ADVERSE EFFECTS

Picture of the month. Progressive vaccinia in an infant with severe combined immunodeficiency. Fulginiti VA, et al. **Am J Dis Child** 1984 Mar;138(3):321–2

Leads from the MMWR. Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **JAMA** 1984 Feb 17;251(7):883–4

Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **MMWR** 1984 Jan 27;33(3):37–8

HISTORY

Jenner: from folklore to scientific triumph. Bendiner E. **Hosp Pract [Off]** 1984 Apr;19(4):183–7, 190–1, 196, passim

THERAPEUTIC USE

The smallpox story: life and death of an old disease. Behbehani AM. **Microbiol Rev** 1983 Dec;47(4):455–509 (110 ref.)

SMALLPOX VIRUS

Smallpox: post-eradication policy—destruction of variola virus stocks. **MMWR** 1984 Jan 20;33(2):24

ENZYMOLOGY

Nucleotide sequence of the thymidine kinase gene region of monkeypox and variola viruses. Esposito JJ, et al. **Virology** 1984 Jun;135(2):561–7

SMELL

see related
ANOSMIA
ODORS

Odor threshold determination for 2-nitropropane [letter] Lewis TR, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):B16

Initial mechanisms basic to olfactory perception. Mozell MM, et al. **Am J Otolaryngol** 1983 Jul–Aug;4(4):238–45 (42 ref.)

Clinical problems in chemosensory disturbances. Snow JB Jr. **Am J Otolaryngol** 1983 Jul–Aug;4(4):224–7

The 'sniffing bar' [letter] Litovitz T. **Ann Emerg Med** 1983 May;12(5):332–3

The rate of scent marking by male rats and consequent olfactory preferences of female rats. Birke LI, et al. **Behav Neural Biol** 1983 Sep;39(1):116–22

Establishing an 'affective scale' for odor preferences of infant rats. Brown RE, et al. **Behav Neural Biol** 1983 Jul; 38(2):251–60

Developmental flavor experience affects utilization of odor, not taste in toxiphobic conditioning. Rusiniak KW, et al. **Behav Neural Biol** 1983 Nov;39(2):160–80

Olfactory acuity to a pheromonal substance and psychotic illness. Bradley EA. **Biol Psychiatry** 1984 Jun;19(6):899–905

Instrumental determination of flavor stability of fatty foods and its correlation with sensory flavor responses. Waltking AE, et al. **CRC Crit Rev Food Sci Nutr** 1983;19(2):99–132 (135 ref.)

Short-term exposure to an odor increases its subsequent preference in preweanling rats: a descriptive profile of the phenomenon. Caza PA, et al. **Dev Psychobiol** 1984 Jul; 17(4):407–22

The use of tactile and olfactory cues in neonatal orientation and localization of the nipple. Larson MA, et al. **Dev Psychobiol** 1984 Jul;17(4):423–36

Maternal contributions to the development of masculine sexual behavior in laboratory rats. Moore CL. **Dev Psychobiol** 1984 Jul;17(4):347–56

Olfaction mediated developmental transition in the altricial newborn of selected species of mammals. Rosenblatt JS. **Dev Psychobiol** 1983 Sep;16(5):347–75

No role of HLA in mate selection. Nordlander C, et al. **Immunogenetics** 1983;18(4):429–31

Social olfaction in male brown lemmings (Lemmus sibiricus = trimucronatus) and collared lemmings (Dicrostonyx groenlandicus): II. Discrimination of mated and unmated females. Huck UW, et al. **J Comp Psychol** 1984 Mar; 98(1):60–5

Social olfaction in male brown lemmings (Lemmus sibiricus = trimucronatus) and collared lemmings (Dicrostonyx groenlandicus): I. Discrimination of species, sex, and estrous condition. Huck UW, et al. **J Comp Psychol** 1984 Mar;98(1):54–9

University of Pennsylvania Smell Identification Test: a rapid quantitative olfactory function test for the clinic. Doty RL, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):176–8

Studies in canine olfaction, taste and feeding. **Neurosci Biobehav Rev** 1984 Summer;8(2):169–263

Olfactory aversion conditioning and overeating: a review and some data. Cole AD, et al. **Percept Mot Skills** 1983 Oct; 57(2):667–78

Natural sniffing gives optimum odour perception for humans.

Laing DG. **Perception** 1983;12(2):99–117
Olfactory cues from the female can affect feminine behavior in the male rat. Schaeffer C, et al. **Physiol Behav** 1984 Mar; 32(3):457–61
Olfactometry in Japan. Zusho H. **Rhinology** 1983 Sep; 21(3):281–5
Enhanced neural response to familiar olfactory cues. Coopersmith R, et al. **Science** 1984 Aug 24; 225(4664):849–51
[The olfactory phenomenon in hyperkalemic periodic paralysis] Aver'ianov IuN. **Zh Nevropatol Psikhiatr** 1984; 84(3):349–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Impairment of taste and olfaction in patients with cirrhosis: the role of vitamin A. Garrett–Laster M, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):203–14
Double–blind trial of metronidazole in malodorous ulcerating tumours [letter] Ashford R, et al. **Lancet** 1984 Jun 2; 1(8388):1232–3
The effects of neonatal androgenization of female hamsters on adult preference for female hamster vaginal discharge. Gregory E, et al. **Physiol Behav** 1983 Dec;31(6):861–4
[Occupational damage of the sense of smell] Szmeja Z, et al. **Med Pr** 1984;35(1):47–9 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Clinical evaluation of olfaction. Cain WS, et al. **Am J Otolaryngol** 1983 Jul–Aug;4(4):252–6
The human uses of olfaction. Engen T. **Am J Otolaryngol** 1983 Jul–Aug;4(4):250–1
Tasting and smelling as active, exploratory sensory processes. Halpern BP. **Am J Otolaryngol** 1983 Jul–Aug;4(4):246–9 (33 ref.)
Chemical senses in the release of gastric and pancreatic secretions. Brand JG, et al. **Annu Rev Nutr** 1982;2:249–76 (147 ref.)
Effects of electrical stimulation of the human olfactory mucosa. Straschill M, et al. **Appl Neurophysiol** 1983; 46(5–6):286–9
Maternal pheromone in Rattus norvegicus. Clegg F, et al. **Behav Neural Biol** 1983 Mar;37(2):223–36
Hormonal regulation of sandbathing in male kangaroo rats (Dipodomys merriami). Lepri JJ, et al. **Behav Neural Biol** 1983 Mar;37(2):256–64
Estrous cycle modulation of the attraction to odors in female golden hamsters. O'Connell RJ. **Behav Neural Biol** 1983 Mar;37(2):317–25
Ontogenesis of the functional activity of guinea–pig olfactory bulb: autoradiographic study with the 2–deoxyglucose method. Astic L, et al. **Brain Res** 1983 Nov;312(2):257–63
Processing of olfactory information at three neuronal levels in the spiny lobster. Derby CD, et al. **Brain Res** 1984 May 23;300(2):311–9
Neuroblastoma cell as model for olfactory cell: mechanism of depolarization in response to various odorants. Kashiwayanagi M, et al. **Brain Res** 1984 Feb 20; 293(2):251–8
Topographic coding of odorant quality is maintained at different concentrations in the salamander olfactory epithelium. Mackay–Sim A, et al. **Brain Res** 1984 Apr 16; 297(2):207–16
Unit responses changing with behavioral outcome in the olfactory bulb of unrestrained rats. Pager J. **Brain Res** 1983 Dec 19;289(1–2):87–98
Receptor cell responses to odorants: similarities and differences among odorants. Sicard G, et al. **Brain Res** 1984 Feb 6;292(2):283–96
Olfactory and vomeronasal system mediation of maternal recognition in the developing rat. Teicher MH, et al. **Brain Res** 1984 Jan;314(1):97–110
Role of cations in olfactory reception. Yoshii K, et al. **Brain Res** 1983 Sep 12;274(2):239–48
Unilateral odor deprivation: differential effects due to time of treatment. Brunjes PC, et al. **Brain Res Bull** 1983 Nov; 11(5):501–3
Electrographic recording from bovine vomeronasal capsule under spontaneous and stimulated conditions. Klemm WR, et al. **Brain Res Bull** 1984 Mar;12(3):275–82
Nonnutritive, thermotactile induction of filial huddling in rat pups. Alberts JR, et al. **Dev Psychobiol** 1984 Mar; 17(2):161–81
Effects of hypnosis on P300 olfactory–evoked potential amplitudes. Barabasz AF, et al. **J Abnorm Psychol** 1983 Nov;92(4):520–3
Conspecific odor detection by the male broad–headed skink, Eumeces laticeps: effects of sex and site of odor source and of male reproductive condition. Cooper WE Jr, et al. **J Exp Zool** 1984 May;230(2):199–209
A parametric study of the stimulation variables affecting the magnitude of the olfactory nerve response. Mozell MM, et al. **J Gen Physiol** 1984 Feb;83(2):233–67
Quality coding of a complex odorant in an invertebrate. Derby CD, et al. **J Neurophysiol** 1984 May;51(5):906–24
Response characteristics of lateral hypothalamic neurons to odors in unanesthetized rabbits. Kogure S, et al. **J Neurophysiol** 1983 Sep;50(3):609–17
Effects of sensory deprivation on the developing mouse olfactory system: a light and electron microscopic, morphometric analysis. Benson TE, et al. **J Neurosci** 1984 Mar;4(3):638–53
Odor response characteristics of thalamic mediodorsal nucleus neurons in the rabbit. Imamura K, et al. **Jpn J Physiol** 1984;34(1):55–73
Taste and smell in disease [letter] **N Engl J Med** 1983 Oct 27;309(17):1062–3
Temporal matching of sensory–motor behavior and limbic theta rhythm deteriorates in aging rats. Forbes WB, et al. **Neurobiol Aging** 1984 Spring;5(1):7–17
Studies in canine olfaction, taste and feeding: a summing up and some comments on the academic–industrial relationship. Griffin RW, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):261–3
Behavioral determination of olfactory thresholds to amyl acetate in dogs. Krestel D, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):169–74
Habituation to individual odors occurs following brief, widely–spaced presentations. Beauchamp GK, et al. **Physiol Behav** 1984 Mar;32(3):511–4
The olfactory detection of sodium and lithium salts by sodium deficient cattle. Bell FR, et al. **Physiol Behav** 1983 Sep; 31(3):307–12
Development of the University of Pennsylvania Smell Identification Test: a standardized microencapsulated test of olfactory function. Doty RL, et al. **Physiol Behav** 1984 Mar;32(3):489–502
Attraction and repulsion by amniotic fluids and their olfactory control in the ewe around parturition. Levy F, et al. **Physiol Behav** 1983 Nov;31(5):687–92
Membrane proteins unique to vertebrate olfactory cilia: candidates for sensory receptor molecules. Chen Z, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1859–63
Ability to smell androstenone is genetically determined. Wysocki CJ, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4899–902
Olfactory involvement in learning processes. Sitaras N, et al. **Rhinology** 1983 Sep;21(3):273–80
Olfactory function after bulbectomy [letter] Meredith M, et al. **Science** 1983 Dec 16;222(4629):1254–5
[Olfacto–gustatory factors in spatial perception in patients with severe visual disorders] Kolín J, et al. **Cesk Otolaryngol** 1984 Apr;33(2):99–102 (Eng. Abstr.) **(Cze)**

SMILING see under **FACIAL EXPRESSION**

SMOG

[Biological effect of smog extract. VII. Severe disorders of the cell cycle and its phases in kidney cultures as effected by extract and fractions of smog from a heavily industrialized area] Behmer A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):340–63 (Eng. Abstr.) **(Ger)**
[Effects of photochemical smog from a flow reactor on bacteria. I. Determination of the effects of photochemical smog on bacteria] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):282–97 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Acute respiratory effects of Los Angeles smog in continuously exercising adults. Avol EL, et al. **J Air Pollut Control Assoc** 1983 Nov;33(11):1055–60

ANALYSIS

[Effects of photochemical smog from a flow reactor on bacteria. II. Determination of bactericidal components in photochemical smog] Nover H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):298–311 (Eng. Abstr.) **(Ger)**

SMOKE

The effect of low–, medium– and high–tar cigarette smoke on the fate of arachidonic acid in isolated hamster lungs. Matintalo M, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):280–7
Alterations in the antibacterial properties of rabbit pulmonary macrophages exposed to wood smoke. Fick RB Jr, et al. **Am Rev Respir Dis** 1984 Jan;129(1):76–81
Cellular effects of smoke from 'safer' cigarettes. Hopkin JM, et al. **Br J Cancer** 1984 Mar;49(3):333–6
The effects of naturally occurring metabolites (L–cysteine, vitamin C) on cultured human cells exposed to smoke of tobacco or marijuana cigarettes. Leuchtenberger C, et al. **Cytometry** 1984 Jul;5(4):396–402
Influence of fly ash and charcoal on the inducer activity of benzo[a]pyrene and smoke condensate in the gut mucosa of the rat. Kivelä–Ikonen P, et al. **Environ Res** 1983 Oct; 32(1):1–7
Toxic and transforming effects of cigarette smoke condensates in fetal Syrian golden hamster lung cell cultures. Emura M, et al. **Exp Pathol** 1983;24(4):261–4
N–nitroso compounds and polycyclic aromatic hydrocarbons in Icelandic smoked cured mutton. Dennis MJ, et al. **Food Chem Toxicol** 1984 Apr;22(4):305–6
Concentration and particle size distribution in smoke from marijuana cigarettes with different delta 9–tetrahydrocannabinol content. Hiller FC, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):451–4
Generation of hydrogen peroxide and superoxide anion radical from cigarette smoke. Nakayama T, et al. **Gann** 1984 Feb;75(2):95–8
Cigarette smoke components are not very effective in directly inactivating alpha 1–proteinase inhibitor. Wyss A, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):511–6
Increased sister–chromatid exchange in bone–marrow cells of mice exposed to whole cigarette smoke. Benedict WF, et al. **Mutat Res** 1984 Apr;136(1):73–80
Genotoxicity of brown–colored polymerization products formed in smoke flavors. Pool BL, et al. **Nutr Cancer** 1983; 5(1):26–33
Effects of cigarette smoke and nicotine on feeding and energy. Wager–Srdar SA, et al. **Physiol Behav** 1984 Mar; 32(3):389–95
Cigarette smoke causes acute fluctuations in the cyclic GMP content of the isolated intact lung. Maron MB, et al. **Respiration** 1984;45(1):39–44
Histological changes produced by exposure of rabbits and rats to smokes produced from red phosphorus. Marrs TC. **Toxicol Lett** 1984 May;21(2):141–6

ADVERSE EFFECTS

Cigarette smoke, asbestos, and small irregular opacities. Weiss W. **Am Rev Respir Dis** 1984 Aug;130(2):293–301 (54 ref.)
Effect of wood combustion smoke inhalation on angiotensin–1–converting enzyme in the dog. Brizio–Molteni L, et al. **Ann Clin Lab Sci** 1984 Sep–Oct; 14(5):381–9
Cigarette smoke and carbon monoxide do not have equivalent effects upon development of arteriosclerotic lesions. Penn A, et al. **Artery** 1983;12(2):117–31
Smoke/fumes in the cockpit. Rayman RB, et al. **Aviat Space Environ Med** 1983 Aug;54(8):738–40
The contribution of polycyclic aromatic hydrocarbons to the carcinogenic impact of emission condensate from coal–fired residential furnaces evaluated by topical application to the skin of mice. Grimmer G, et al. **Cancer Lett** 1984 Jun; 23(2):167–76
Mutagenicity of smoke condensate of bidi––an indigenous cigarette of India. Shirname LP, et al. **Carcinogenesis** 1984 Sep;5(9):1179–81
Cardiovascular responses of the dog to acute smoke toxicity. Pindok MT, et al. **Circ Shock** 1983;11(1):35–44
Dietary vitamin E and pulmonary biochemical responses of rats to cigarette smoking. Chow CK, et al. **Environ Res** 1984 Jun;34(1):8–17
Experimental respiratory carcinogenesis in small laboratory animals. Pepelko WE. **Environ Res** 1984 Feb;33(1):144–88 (167 ref.)
Combustion products from various kinds of fibers: toxicological hazards from smoke exposure. Betol E, et al. **Forensic Sci Int** 1983 Aug–Sep;22(2–3):111–6
Toxicity of smoke during chair smoldering tests and small scale tests using the same materials. Alarie Y, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):619–26
Current and projected impacts of residential wood combustion on Pacific Northwest air quality. Core JE, et al. **J Air Pollut Control Assoc** 1984 Feb;34(2):138–43
Tobacco smoke 'sensitivity'––is there an immunologic basis? Lehrer SB, et al. **J Allergy Clin Immunol** 1984 Feb; 73(2):240–5
Cigarette smoke acutely increases collateral resistance in excised dog lobes. Nakamura M, et al. **J Appl Physiol** 1984 Jan;56(1):166–74
Carbon monoxide poisoning from non–tobacco cigarettes. Haynes RL. **J Med Assoc Ga** 1983 Aug;72(8):553–5
Effect of cigarette smoke on formaldehyde data [letter] **J Occup Med** 1984 Jun;26(6):410–2
A simple in situ mutagenicity test system for detection of mutagenic air pollutants. Ong T, et al. **Mutat Res** 1984 Apr;139(4):177–81
Quantitative studies of biological responses in hamsters exposed to tobacco smoke and effects of vitamin C supplement on smoke inhalation toxicity. Harada T, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):613–26
Domestic smoke pollution and chronic bronchitis in a rural community of the Hill Region of Nepal. Pandey MR. **Thorax** 1984 May;39(5):337–9
Pharmacological activity of the basic fraction of marihuana whole smoke condensate alone and in combination with delta–9–tetrahydrocannabinol in mice. Johnson JM, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):440–8
Evaluation of the pulmonary effects of wood smoke in guinea pigs by repeated CO2 challenges. Wong KL, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):69–80
Lung cell reactions in guinea pigs exposed to tobacco smoke and silica dust or bacterial lipopolysaccharides. Sjöstrand M, et al. **Toxicology** 1984 Feb;29(4):271–80
[Carcinogenicity in mice of soot extract collected from Xuan Wei County] Liang CK, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):307–10 (Eng. Abstr.) **(Chi)**
[Mechanism of the mutagenic/carcinogenic action of inhaled and ambient portions of cigarette smoke at the level of the lung] Scassellati Sforzolini G, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):835–52 (Eng. Abstr.) **(Ita)**
[Toxic phenomena from smoke exposure in fires: physiopathology, clinical aspects, therapy] de Francisci G, et al. **Recenti Prog Med** 1983 Sep;74(9):1020–5 (Eng. Abstr.) **(Ita)**
[Studies on the defense mechanisms in the respiratory system. iv. effect of inhaling cigarette smoke on the levels of

immunoglobulins and lysozyme in bronchial lavage fluid and antibody production] Kado M, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1-2):21-6 (Eng. Abstr.) **(Jpn)**

[Pharmacology and toxicology of tobacco smoke] Lisiewicz J, et al. **Wiad Lek** 1983 Aug 15;36(16):1339-44 (43 ref.) **(Pol)**

ANALYSIS

Test for assessing tar/nicotine yields [letter] Devitt G, et al. **Am J Public Health** 1984 Apr;74(4):391

Yields of tar, nicotine, and carbon monoxide in the sidestream smoke from 15 brands of Canadian cigarettes. Rickert WS, et al. **Am J Public Health** 1984 Mar;74(3):228-31

Carbon monoxide yield of cigarettes and its relation to cardiorespiratory disease. Borland C, et al. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1583-6

Carbon monoxide yield of cigarettes and its relation to cardiorespiratory disease [letter] Jarvis MJ, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):566-7

Carcinogenic agents in cigarette smoke and the influence of nitrate on their formation. Adams JD, et al. **Carcinogenesis** 1984 Feb;5(2):221-3

Radioactivity in cigarette smoke issue. Cross FT. **Health Phys** 1984 Jan;46(1):205-8

IV.5.b GC-TEA of NDELA from tobacco products. Brunnemann KD, et al. **IARC Sci Publ** 1983;45:399-402

II.2.c N-nitrosodiethanolamine in tobacco and mainstream and sidestream smoke. Brunnemann KD, et al. **IARC Sci Publ** 1983;45:85-92

II.2.d Tobacco-specific nitrosamines in tobacco and tobacco smoke. Hecht SS, et al. **IARC Sci Publ** 1983;45:93-101

II.2.b Volatile nitrosamines in tobacco and mainstream and sidestream smoke and indoor environments. Hoffmann D, et al. **IARC Sci Publ** 1983;45:69-83

IV.2.b GC-TEA of volatile nitrosamines from tobacco products. Hoffmann D, et al. **IARC Sci Publ** 1983;45:363-6

II.2.a General aspects. Hoffmann D, et al. **IARC Sci Publ** 1983;45:63-7

Quinoline and methylquinolines in cigarette smoke: comparative data and the effect of filtration. Adams JD, et al. **J Anal Toxicol** 1983 Nov-Dec;7(6):293-6

Volatile nitrosamines in the main stream smoke of black tobacco. Truhaut R, et al. **J Cancer Res Clin Oncol** 1984; 108(1):157-9

Tar, nicotine, and carbon monoxide yields of some Nigerian cigarettes. Awotedu AA, et al. **J Epidemiol Community Health** 1983 Sep;37(3):218-20

Selenium in particulates and gaseous fractions of smoke from cigarettes prepared from tobacco grown on fly-ash-amended soil. Gutenmann WH, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2-3):385-93

Demographic aspects of the low-yield cigarette: considerations in the evaluation of health risk. Wynder EL, et al. **JNCI** 1984 Apr;72(4):817-22

'Less hazardous' cigarettes: fact or fiction? Rickert WS. **NY State J Med** 1983 Dec;83(13):1269-72

A comparison of the yields of tar, nicotine, and carbon monoxide of 36 brands of Canadian cigarettes tested under three conditions. Rickert WS, et al. **Prev Med** 1983 Sep; 12(5):682-94

Comparative measurements of suspended particulates using several gravimetric methods and the British smoke sampler. Laskus L. **Sci Total Environ** 1983 Oct;31(1):23-40

[The composition of chimney smoke] Itkonen A, et al. **Duodecim** 1983;99(22):1628-37 (30 ref.) **(Fin)**

[Chemical composition of tobacco smoke] Angenot L. **Rev Med Liege** 1983 Sep 1;38(17):632-40 **(Fre)**

[Detection of shot deposits by sectional study of the shooting hand using atomic absorption] Kijewski H, et al. **Beitr Gerichtl Med** 1984;42:123-32 (Eng. Abstr.) **(Ger)**

[Fate of potassium and cesium-137 during cigarette smoking] Schelenz R, et al. **Z Lebensm Unters Forsch** 1984; 178(2):118-9 (Eng. Abstr.) **(Ger)**

[Hygienic evaluation of organic substances in tobacco smoke] Dmitriev MT, et al. **Gig Sanit** 1983 Aug;(8):7-10 (14 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Evacuation of smoke from laser surgery in the vagina [letter] MacLachlan TB. **Can Med Assoc J** 1983 Nov 15; 129(10):1082

Smoke evacuator for laser surgery. Miller GW, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):582-3

SMOKE INHALATION see BURNS, INHALATION

SMOKING

see related

TOBACCO USE DISORDER

Psychophysiological correlates of conflict solving and cigarette smoking. Suter TW, et al. **Act Nerv Super (Praha)** 1983 Dec;25(4):261-72

Cigarette smoking behavior in conjoined twins. Jarvik ME, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(3-4):239-43

Smoking and diabetic nephropathy. Nordén G, et al. **Acta Med Scand** 1984;215(3):257-61

Smoking habits and prevalence of clinical diabetic microangiopathy in insulin-dependent diabetics. Telmer S, et al. **Acta Med Scand** 1984;215(1):63-8

Is tobacco of importance for the development and progression of diabetic vascular complications? Lithner F. **Acta Med Scand [Suppl]** 1984;687:33-6

Low maternal but normal fetal prolactin levels in cigarette smoking pregnant women. Andersen AN, et al. **Acta Obstet Gynecol Scand** 1984;63(3):237-9

Preinvasive carcinoma of the cervix uteri and smoking. Berggren G, et al. **Acta Obstet Gynecol Scand** 1983; 62(6):593-8

Effect of smoking on red cell oxygen transport and release in diabetic pregnancy. Madsen H, et al. **Acta Obstet Gynecol Scand** 1984;63(1):77-80

Lipoprotein pattern in umbilical cord blood of neonates of smoking and non smoking mothers. Mau G, et al. **Acta Paediatr Scand** 1983 Sep;72(5):755-6

A follow-up study up to the age of 14 of children whose mothers smoked during pregnancy. Rantakallio P. **Acta Paediatr Scand** 1983 Sep;72(5):747-53

Skeletal muscle morphology, metabolism and function in smokers and non-smokers. A study on smoking-discordant monozygous twins. Larsson L, et al. **Acta Physiol Scand** 1984 Mar;120(3):343-52

Cigarette smoking potentiates fat-induced elevation of neurotensin-like immunoreactivity in human plasma. Rökaeus A, et al. **Acta Physiol Scand** 1984 Jun;121(2):181-4

Smoking as a risk factor for the development of arterial occlusive disease. Puchmayer V. **Acta Univ Carol [Med Monogr] (Praha)** 1984;105:1-134

Antecedents, subjective expected utility, and behavior: a panel study of adolescent cigarette smoking. Bauman KE, et al. **Addict Behav** 1984;9(2):121-36

Social-environmental factors among light and heavy cigarette smokers: a controlled comparison with nonsmokers. Billings AG, et al. **Addict Behav** 1983; 8(4):381-91

The test-retest reliability of measures used in cigarette smoking research. Corty E. **Addict Behav** 1983;8(3):315-7

Does living with smokers make quitting cigarettes more difficult? Gunn RC. **Addict Behav** 1983;8(4):429-32

The reactive effects of assessing reported rates and alveolar carbon monoxide levels on smoking behavior. King AC, et al. **Addict Behav** 1983;8(3):323-7

Noise and task induced distraction effects on information processing: sex differences in smokers and non-smokers. Knott VJ. **Addict Behav** 1984;9(1):79-84

Electrodermal activity during aversive stimulation: sex differences in smokers and non-smokers. Knott VJ. **Addict Behav** 1984;9(2):195-9

Side-effects and weight gain following a smoking cessation program. Manley RS, et al. **Addict Behav** 1983;8(4):375-80

Salivary thiocyanate in pregnant smokers: a comparison of two collection methods. Nowicki P, et al. **Addict Behav** 1984;9(1):33-9

Addictive behaviors among hospitalized psychiatric patients. O'Farrell TJ, et al. **Addict Behav** 1983;8(4):329-33

Cigarette smoking during anxiety-provoking and monotonous tasks. Rose JE, et al. **Addict Behav** 1983; 8(4):353-9

Discriminability of nicotine in tobacco smoke: implications for titration. Rose JE. **Addict Behav** 1984;9(2):189-93

Subjective response to cigarette smoking following airway anesthetization. Rose JE, et al. **Addict Behav** 1984; 9(2):211-5

Nicotine vs. placebo gum in the alleviation of withdrawal during smoking cessation. Schneider NG, et al. **Addict Behav** 1984;9(2):149-56

Cigarette smoking, physiological arousal, and emotional response: Nesbitt's paradox re-examined. Shiffman S, et al. **Addict Behav** 1984;9(1):95-8

Different 'types' of cigarette smokers received similar effects from smoking. Williams DG, et al. **Addict Behav** 1984; 9(2):207-10

Cigarette smoking intentions and physical fitness: a multivariate study of high school males. Tucker LA. **Adolescence** 1984 Summer;19(74):313-21

Platelet activity in relation to smoke and exercise in patients with chronic obstructive lung disease: effects of platelet antiaggregating drugs. Novo S, et al. **Adv Exp Med Biol** 1984;164:339-57

Daily cigarette consumption and lung function: a study of peak expiratory flow rates. Awotedu AA, et al. **Afr J Med Med Sci** 1984 Mar-Jun;13(1-2):21-4

Smoker's chest: a radiographic challenge [editorial] Teplick JG. **AJR** 1984 May;142(5):1080-1

Disodium cromoglycate relieves symptoms in symptomatic young smokers. A double blind placebo controlled trial. Leitch AG, et al. **Allergy** 1984 Apr;39(3):211-5

$38 billion—up in smoke [editorial] **Am Fam Physician** 1983 Nov;28(5):97-8

Women who smoke: an equal right to die [editorial] Houston TP. **Am Fam Physician** 1984 Mar;29(3):128, 131

Cigarette smoking and coronary heart disease in blacks: comparison to whites in a prospective study. Garfinkel L. **Am Heart J** 1984 Sep;108(3 Pt 2):802-7

Total and cardiovascular mortality in relation to cigarette smoking, serum cholesterol concentration, and diastolic blood pressure among black and white males followed up for five years. Neaton JD, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):759-69

Coronary heart disease risk factor trends in blacks between the first and second National Health and Nutrition Examination Surveys, United States, 1971-1980. Rowland ML, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):771-9

Plasma lipid and lipoprotein profiles of cigarette smokers from randomly selected families: enhancement of hyperlipidemia and depression of high-density lipoprotein. Brischetto CS, et al. **Am J Cardiol** 1983 Oct 1;52(7):675-80

Cigarette smoking and ventricular arrhythmia in coronary heart disease. Davis MJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):282-5

Diffuse or segmental narrowing (spasm) of the coronary arteries during smoking demonstrated on angiography. Maouad J, et al. **Am J Cardiol** 1984 Jan 15;53(2):354-5

Acute coronary vasoconstrictive effects of cigarette smoking in coronary heart disease. Martin JL, et al. **Am J Cardiol** 1984 Jul 1;54(1):56-60

Alterations in coronary blood flow induced by cigarette smoking: lack of relation to plasma arginine vasopressin concentrations. Nicod P, et al. **Am J Cardiol** 1984 Sep 1; 54(6):667-8

Association of maternal smoking with body composition of the newborn. Harrison GG, et al. **Am J Clin Nutr** 1983 Nov;38(5):757-62

Smoking and estrogen-related disease. Baron JA. **Am J Epidemiol** 1984 Jan;119(1):9-22 (92 ref.)

Cotton dust and smoking effects on lung function in cotton textile workers. Beck GJ, et al. **Am J Epidemiol** 1984 Jan; 119(1):33-43

Smoking and cardiovascular mortality in women. Bush TL, et al. **Am J Epidemiol** 1983 Oct;118(4):480-8

Re: 'The relationship between the geographic distribution of lung cancer incidence and cigarette smoking in Allegheny County, Pennsylvania' [letter] Lincoln JE. **Am J Epidemiol** 1983 Nov;118(5):783-4

Trends of lung cancer mortality in Italy in relation to consumption of tobacco products. Mastrandrea V, et al. **Am J Epidemiol** 1984 Aug;120(2):257-64

A cohort analysis of lung cancer and smoking in British males. Stevens RG, et al. **Am J Epidemiol** 1984 Apr; 119(4):624-41

Spouse concordance of smoking patterns: the Minnesota Heart Survey. Venters MH, et al. **Am J Epidemiol** 1984 Oct;120(4):608-16

Further comments on cancer of the uterine cervix, smoking, and herpesvirus infection. Winkelstein W Jr, et al. **Am J Epidemiol** 1984 Jan;119(1):1-8 (39 ref.)

Presentation of data on pulmonary fibrosis and cigarette smoking [letter] Weiss W. **Am J Ind Med** 1984;5(5):417-21

Leukocyte count, smoking, and lung function. Yeung MC, et al. **Am J Med** 1984 Jan;76(1):31-7

Maternal smoking and prostacyclin production by cultured endothelial cells from umbilical arteries. Busacca M, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1127-30

The effect of smoking during pregnancy on cord blood and maternal serum immunoglobulin levels. Cederqvist LL, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1123-6

Maternal smoking and respiratory distress syndrome. Curet LB, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):446-50

Problems of sample size and selection in analyses of pregnancy outcomes [letter] Garn SM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):852-3

Effects of smoking on fetal heart rate variability during gestational weeks 27 to 32. Kariniemi V, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):575-6

Effects of smoking on fetoplacental-maternal system during pregnancy. Mochizuki M, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):413-20

Smoking, hemoglobin levels, and birth weights in normal pregnancies. Nilsen ST, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):752-8

Acute effects of cigarette smoking on pregnant women and nonpregnant control subjects. Stetson DE, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):794-8

Smoking, spasticity and pressure sores in spinal cord injured patients. Lamid S, et al. **Am J Phys Med** 1983 Dec; 62(6):300-6

Effects of chronic cigarette smoking on canine arteries. Cox RH, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H97-103

Does smoking cessation lead to weight gain? The experience of asbestos-exposed shipyard workers. Coates TJ, et al. **Am J Public Health** 1983 Nov;73(11):1303-4

Smoking habits in a hospitalized population: 1970-1980. Covey LS, et al. **Am J Public Health** 1983 Nov; 73(11):1293-7

Consumption of 'low-yield' cigarettes: its frequency and relationship to serum thiocyanate. Folsom AR, et al. **Am J Public Health** 1984 Jun;74(6):564-8

The temporal relation between cigarette smoking and pancreatic cancer. Weiss W, et al. **Am J Public Health** 1983 Dec;73(12):1403-4

The association between smoking and sexual behavior among teens in US contraceptive clinics. Zabin LS. **Am J Public Health** 1984 Mar;74(3):261-3

Helping your patients stop smoking: new resources, new approaches. Murphy DH. **Am Pharm** 1984 Apr; NS24(4):46-8

Effects of cigarette smoking and short-term smoking cessation on airway responsiveness to inhaled methacholine. Buczko GB, et al. **Am Rev Respir Dis** 1984 Jan;129(1):12-4

Combined effect of cigarette smoking and allergic rhinitis on airway responsiveness to inhaled methacholine. Buczko GB, et al. **Am Rev Respir Dis** 1984 Jan;129(1):15-6

Ceruloplasmin. Increased serum concentration and impaired

antioxidant activity in cigarette smokers, and ability to prevent suppression of elastase inhibitory capacity of alpha 1-proteinase inhibitor. Galdston M, et al. **Am Rev Respir Dis** 1984 Feb;129(2):258–63

Abnormal phagolysosome fusion in pulmonary alveolar macrophages of rats exposed chronically to cigarette smoke. Harris JO, et al. **Am Rev Respir Dis** 1984 Sep; 130(3):467–71

On the question of a protective effect of emphysema--a methodological commentary [letter] Hsieh JJ. **Am Rev Respir Dis** 1984 Sep;130(3):532–3

Chronic air-flow limitation does not increase respiratory epithelial permeability assessed by aerosolized solute, but smoking does. Huchon GJ, et al. **Am Rev Respir Dis** 1984 Sep;130(3):457–60

Increased airway mucosal permeability of smokers. Relationship to airway reactivity. Kennedy SM, et al. **Am Rev Respir Dis** 1984 Jan;129(1):143–8

The UCLA population studies of chronic obstructive respiratory disease. VII. Relationship between parental smoking and children's lung function. Tashkin DP, et al. **Am Rev Respir Dis** 1984 Jun;129(6):891–7

The relationship of airways responsiveness to cold air, cigarette smoking, and atopy to respiratory symptoms and pulmonary function in adults. Welty C, et al. **Am Rev Respir Dis** 1984 Aug;130(2):198–203

Elevated intraoperative carboxyhemoglobin levels [letter] Goldzimer EL, et al. **Anesth Analg** 1984 Jul;63(7):698

Preoperative cessation of smoking and pulmonary complications in coronary artery bypass patients. Warner MA, et al. **Anesthesiology** 1984 Apr;60(4):380–3

The effect of smoking on the stressed template bleeding time. Davis RF, et al. **Ann Clin Res** 1983 Jun;15(3):131–3

Number of teeth at the age of one year in relation to maternal smoking. Rantakallio P, et al. **Ann Hum Biol** 1984 Jan–Feb; 11(1):45–52

Nicotine chewing gum [letter] **Ann Intern Med** 1984 Oct; 101(4):566

Cotton dust, smoking, and the lung [letter] Pratt PC, et al. **Ann Intern Med** 1984 Apr;100(4):618–9

Squamous metaplasia of the subglottic space and its relation to smoking. Stell PM, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):124–6

Dose-response relationship between tobacco consumption and melanin pigmentation in the attached gingiva. Araki S, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):375–8

The health effects of automobile exhaust. VI. Relationship of respiratory symptoms and pulmonary function in tunnel and turnpike workers. Tollerud DJ, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):334–40

Cessation of smoking in prevention and treatment of cardiac and pulmonary disease. Ebert RV, et al. **Arch Intern Med** 1984 Aug;144(8):1558–9

Thyroid activity in cigarette smokers. Sepkovic DW, et al. **Arch Intern Med** 1984 Mar;144(3):501–3

Head and neck cancer survival and life-style change. Stevens MH, et al. **Arch Otolaryngol** 1983 Nov;109(11):746–9

Abdominal aortic aneurysm, Leriche's syndrome, inguinal herniation, and smoking. Cannon DJ, et al. **Arch Surg** 1984 Apr;119(4):387–9

Investigation of the content and ratio of cotinine and nicotine-1'-N-oxide in the urine of smokers. Nikolin B, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):201–7

Rheumatoid arthritis and small airways function. Effects of disease activity, smoking, and alpha 1-antitrypsin deficiency. Mountz JD, et al. **Arthritis Rheum** 1984 Jul; 27(7):728–36

Myocardial and renal arteriolar thickening in cigarette smokers. Oberai B, et al. **Atherosclerosis** 1984 Aug; 52(2):185–90

Effect of smoking on plasma and platelet fatty acid composition in middle-aged men. Santos MT, et al. **Atherosclerosis** 1984 Jan;50(1):53–62

Cigarette smoking, exercise and high density lipoprotein cholesterol. Stamford BA, et al. **Atherosclerosis** 1984 Jul; 52(1):73–83

The effects of smoking and environmental temperature on temporary threshold shifts. Dengerink HA, et al. **Audiology** 1984;23(4):401–10

Children and smoking [letter] Leeder SR. **Aust Fam Physician** 1984 Mar;13(3):156

The influence of smoking on the healing of duodenal ulcer treated with oxmetidine or cimetidine. Hetzel DJ, et al. **Aust NZ J Med** 1983 Dec;13(6):587–90

Cigarette smoking stimulates lipoxygenase but not cyclooxygenase pathway in platelets. Chang WC, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):499–505

Inactivation of human alpha-1-proteinase inhibitor by gas-phase cigarette smoke. Pryor WA, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):676–81

A comparative study of the morphine effect on the level of cyclic AMP in lymphocytes of smokers and nonsmokers. Kost N, et al. **Biol Psychiatry** 1983 Jul;18(7):763–9

Tobacco smoking and denture wearing in oral candidal leukoplakia. Arendorf TM, et al. **Br Dent J** 1983 Nov 19; 155(10):340–3

Effect of nicotine replacement on the cigarette withdrawal syndrome. West RJ, et al. **Br J Addict** 1984 Jun;79(2):215–9

Use of alcohol, tobacco and coffee, and risk of pancreatic cancer. Heuch I, et al. **Br J Cancer** 1983 Nov;48(5):637–43

Effect of histaminergic H1- and H2-receptor antagonists on neurophysin release in response to nicotine from cigarette smoking in normal men [letter] Chiodera P, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):109–11

The interaction of cigarette smoking and beta-adrenoceptor blockade. Fox K, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:92S–93S

Effects of tobacco smoking and oral contraceptive use on theophylline disposition. Gardner MJ, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):271–80

Nicotine and cotinine concentrations in serum and milk of nursing smokers. Luck W, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):9–15

Tobacco consumption and asbestos exposure in patients with lung cancer: a three year prospective study. Hillerdal G, et al. **Br J Ind Med** 1983 Nov;40(4):380–3

Effects of maternal cigarette smoking on fetal trunk movements, fetal breathing movements and the fetal heart rate. Goodman JD, et al. **Br J Obstet Gynaecol** 1984 Jul; 91(7):657–61

Smoking in pregnancy: effects on mother and fetus. Kelly J, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):111–7

The detrimental effect of cigarette smoking on flap survival: an experimental study in the rat. Lawrence WT, et al. **Br J Plast Surg** 1984 Apr;37(2):216–9

Acute effects of tobacco smoking on blood flow in the cutaneous micro-circulation. Reus WF, et al. **Br J Plast Surg** 1984 Apr;37(2):213–5

The relationship of plasma and serum viscosity to disease activity and smoking habit in rheumatoid arthritis. Larkin JG, et al. **Br J Rheumatol** 1984 Feb;23(1):15–9

Smoking and ulcerative colitis [letter] **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1307

Respiratory impairment induced by smoking in children in secondary schools. Adams L, et al. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):891–5

Smoking in pregnancy [editorial] Bewley BR. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):424–6

Carbon monoxide yield of cigarettes and its relation to cardiorespiratory disease. Borland C, et al. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1583–6

Modifying risk of lung cancer by changing smoking habits [letter] Burch PR. **Br Med J [Clin Res]** 1984 Aug 4; 289(6440):321–2

Effect of stopping smoking after unstable angina and myocardial infarction [letter] Burch PR. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):146

Experts can already tell the government why children smoke: no psychiatrist needed [letter] Chapman S, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):382

Smoking, tobacco promotion, and the voluntary agreements. Cox HT. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):303–5

Children's coughs related to parental smoking [letter] Foote KD. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1917

Migraine, headache, and survival in women [letter] Grant EC. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1718

Should patients with inflammatory bowel disease smoke? Holdstock G, et al. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):362

Should patients with inflammatory bowel disease smoke? [letter] Langman MJ, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):862

Smoking and ulcerative colitis. Logan RF, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):751–3

Modifying risk of developing lung cancer by changing habits of cigarette smoking. Lubin JH, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1953–6

Active and passive smoking [letter] Miller GH, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):440

Smoking and insulin absorption from subcutaneous tissue. Mühlhauser I, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1875–6

Effect of stopping smoking after unstable angina and myocardial infarction [letter] Seltzer CC. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1301–2

Active and passive smoking in married couples: results of 25 year follow up. Vandenbroucke JP, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1801–2

Inhaling and lung cancer: an anomaly explained. Wald NJ, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1273–5

Alveolar macrophages from expectorate samples: a stress signal from occupational pollution. Nilsen AM, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):517–24

Isocapnic hyperventilation with cold air in healthy non-smokers, smokers and asthmatic subjects. Decramer M, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun; 20(3):237–43

Transit time analysis of the forced expiratory spirogram in male smokers. Osmanliev DP, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun;20(3):285–93

Improved expiratory airflow dynamics with smoking cessation. Zamel N, et al. **Bull Eur Physiopathol Respir** 1984 Jan–Feb;20(1):19–23

An epidemiologic survey of smoking patterns and chronic obstructive bronchopulmonary disease in Pôrto Alegre, Brazil. Chaieb JA, et al. **Bull Pan Am Health Organ** 1984; 18(1):26–42

The cigarette-smoking habit among preuniversity students in Havana, Cuba, in 1980. Joly DJ, et al. **Bull Pan Am Health Organ** 1983;17(2):158–63

Smoking and cervical cancer [letter] Kern S. **CA** 1984 Sep–Oct;34(5):302–3

Screening for oral and oropharyngeal squamous carcinomas. Mashberg A, et al. **CA** 1984 Sep–Oct;34(5):262–8

The effect of population habits on side effects and narcotic requirements during high-dose fentanyl anaesthesia. Stanley TH, et al. **Can Anaesth Soc J** 1984 Jul;31(4):368–76

Dollar estimates of the consequences of tobacco use in Canada, 1979. Collishaw NE, et al. **Can J Public Health** 1984 May–Jun;75(3):192–9

Estimating the health care costs of smokers. Forbes WF, et al. **Can J Public Health** 1983 May–Jun;74(3):183–90

Smoking and health: a survey of research in Ontario. Frecker RC, et al. **Can J Public Health** 1983 Sep–Oct;74(5):343–7

Research on causes of lung cancer: case—control study of 523 cases of lung cancer. Fu HJ, et al. **Can J Public Health** 1984 Mar–Apr;75(2):161–5

Smoking and pregnancy: attributable risks and public health implications. McIntosh ID. **Can J Public Health** 1984 Mar–Apr;75(2):141–8

Cigarette smoking, lung cancer and Canadian women [editorial] L'Abbé KA, et al. **Can Med Assoc J** 1984 Jun 15;130(12):1539–40

Costs and 'benefits' of cigarette smoking [letter] Thompson ME, et al. **Can Med Assoc J** 1984 Mar 15;130(6):676

The tobacco industry: still resourceful in recruiting smokers [editorial] Wigle DT, et al. **Can Med Assoc J** 1984 Jun 15;130(12):1537–9

Costs and 'benefits' of cigarette smoking in Canada: comment. Woodfield AE. **Can Med Assoc J** 1984 Jan 15;130(2):118–20

Cigarette smoking and malignant melanoma. Prognostic implications. Koh HK, et al. **Cancer** 1984 Jun 1; 53(11):2570–3

A study on chronologic change of the relationship between cigarette smoking and lung cancer based on autopsy diagnosis. Mori W, et al. **Cancer** 1984 Sep 15;54(6):1038–42

Mucous-producing elements in the laryngeal mucosa in smokers with cancer of the larynx. Nielsen KO, et al. **Cancer** 1984 Jul 1;54(1):61–4

Changes in the smoking habits of adults in the United States and recent trends in lung cancer mortality. Cummings KM. **Cancer Detect Prev** 1984;7(3):125–34

Cervical cancer in relation to tobacco and alcohol consumption in Lesotho, southern Africa. Martin PM, et al. **Cancer Detect Prev** 1984;7(2):109–15

Urinary mutagen levels in smokers. Jaffe RL, et al. **Cancer Lett** 1983 Aug;20(1):37–42

Endogenous formation of N-nitrosoproline in cigarette smokers. Hoffmann D, et al. **Cancer Res** 1983 Nov; 43(11):5570–4

Hepatitis, alcohol consumption, cigarette smoking, and hepatocellular carcinoma in Los Angeles. Yu MC, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6077–9

Induction of respiratory tract tumors in Syrian golden hamsters by a single dose of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) and the effect of smoke inhalation. Hecht SS, et al. **Carcinogenesis** 1983 Oct;4(10):1287–90

Interactions of smoking and immunologic factors in relation to airways obstruction. Burrows B, et al. **Chest** 1983 Dec; 84(6):657–61

Interaction of immunoglobulin E and cigarette smoke. Predisposition to symptomatic lung disease? [editorial] Casterline CL. **Chest** 1983 Dec;84(6):652–3

Relationship of parental smoking and gas cooking to respiratory disease in children. Ekwo EE, et al. **Chest** 1983 Dec;84(6):662–8

Drinking and passive smoking [letter] Kawane H. **Chest** 1984 Mar;85(3):452

Subclinical effects of smoking. Physiologic comparison of healthy middle-aged smokers and nonsmokers and interrelationships of lung function measurements. Knudson RJ, et al. **Chest** 1984 Jul;86(1):20–9

The effect of nicotine on pulmonary epithelial permeability in man. Minty BD, et al. **Chest** 1984 Jul;86(1):72–4

The relationship of the peripheral leukocyte count and cigarette smoking to pulmonary function among adult men. Sparrow D, et al. **Chest** 1984 Sep;86(3):383–6

Radioactivity and lung cancer in active and passive smokers [editorial] Winters TH, et al. **Chest** 1983 Dec;84(6):653–4

Effects of moderate alcohol consumption and smoking on fetal outcome. Wright JT, et al. **Ciba Found Symp** 1984; 105:240–53

Asthma and cessation of smoking. Hillerdahl G, et al. **Clin Allergy** 1984 Jan;14(1):45–7

Carboxyhemoglobin, cotinine, and thiocyanate assay compared for distinguishing smokers from non-smokers. Pojer R, et al. **Clin Chem** 1984 Aug;30(8):1377–80

Time-course of cigarette smoke contamination of clinical hydrogen breath-analysis tests. Rosenthal A, et al. **Clin Chem** 1983 Nov;29(11):1980–1

Gastroduodenal damage due to drugs, alcohol and smoking. Domschke S, et al. **Clin Gastroenterol** 1984 May; 13(2):405–36 (196 ref.)

Evidence for defective osteoblastic function. A role for alcohol and tobacco consumption in osteoporosis in middle-aged men. de Vernejoul MC, et al. **Clin Orthop** 1983 Oct;(179):107–15

Nicotine chewing gum not for all smokers [letter] Glantz LA. **Clin Pharm** 1984 May–Jun;3(3):236

Daily intake of nicotine during cigarette smoking. Benowitz NL, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):499–504

Influence of nicotine on cardiovascular and hormonal effects of cigarette smoking. Benowitz NL, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):74–81

Nicotine and carbon monoxide intake from high- and

low-yield cigarettes. Benowitz NL, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):265-70
Effects of caffeine on cigarette smoking and subjective response. Chait LD, et al. **Clin Pharmacol Ther** 1983 Nov; 34(5):612-22
Effect of nicotine chewing gum on plasma nicotine levels of cigarette smokers. Ebert RV, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):495-8
Determinants of acetaminophen metabolism: effect of inducers and inhibitors of drug metabolism on acetaminophen's metabolic pathways. Miners JO, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):480-6
Platelet function after cigarette smoking in relation to nicotine and carbon monoxide. Renaud S, et al. **Clin Pharmacol Ther** 1984 Sep;36(3):389-95
Effect of cigarette smoking on reactive hyperaemia in the human finger. Carlsson I, et al. **Clin Physiol** 1983 Oct; 3(5):453-60
Platelet aggregability in smoking and non-smoking subjects. Carlsson I, et al. **Clin Physiol** 1983 Dec;3(6):565-71
Effects of smoking on oral fat tolerance and high density lipoprotein cholesterol. Elkeles RS, et al. **Clin Sci** 1983 Dec;65(6):669-72
Extracellular release of hydrogen peroxide by human alveolar macrophages: the relationship to cigarette smoking and lower respiratory tract infections. Greening AP, et al. **Clin Sci** 1983 Dec;65(6):661-4
Species differences in circulatory responses to nasopharyngeal perfusion with smoke. Peterson DF, et al. **Comp Biochem Physiol [C]** 1984;78(1):133-5
A teenage view of cigarette smoking. Schoonmaker RB Jr. **Conn Med** 1983 Nov;47(11):705-7
Eczema exacerbated by smoking. Beer WE. **Contact Dermatitis** 1984 Jan;10(1):48-9
Prevalence of ischaemic heart disease risk factors in male population aged 45-54 years in Warsaw and Bratislava. Part III: Smoking and overweight. Wągrowska H, et al. **Cor Vasa** 1983;25(5):329-38
The influence of smoking and other etiopathogenetic factors on the incidence of bronchogenic carcinoma and chronic nonspecific respiratory diseases. Kubík A. **Czech Med** 1984; 7(1):25-34
Glucose tolerance and smoking: a population study of oral and intravenous glucose tolerance tests in middle-aged men. Janzon L, et al. **Diabetologia** 1983 Aug;25(2):86-8
Cigarette smoking and duodenal ulcer healing. An endoscopic study of 197 patients. Barakat MH, et al. **Digestion** 1984;29(2):85-90
Interdigestive gastrointestinal motility and secretion of gastric acid and pancreatic enzymes in young cigarette smokers. Demol P, et al. **Digestion** 1984;29(2):107-11
Soft drug use prior to and during pregnancy: a comparison of samples over a four-year period. Fried PA, et al. **Drug Alcohol Depend** 1984 Mar;13(2):161-76
Sports and clean living: a useful myth? Rooney JF. **Drug Alcohol Depend** 1984 Jan;13(1):75-87
Tobacco smoking and drugs: a clinically important interaction? D'Arcy PF. **Drug Intell Clin Pharm** 1984 Apr; 18(4):302-7 (65 ref.)
No effect of smoking on sulfamethazine acetylation. Miller ME, et al. **Drug Intell Clin Pharm** 1984 Jul-Aug; 18(7-8):620-2
Influence of chronic cigarette smoke exposure on the uptake and efflux of imipramine in the isolated perfused rat lung. Hunter E, et al. **Drug Metab Dispos** 1983 Jul-Aug; 11(4):361-5
Maternal diseases, alcohol consumption and smoking during pregnancy associated with reduction limb defects. Aro T. **Early Hum Dev** 1983 Dec;9(1):49-57
Cigarette smoking and respiratory symptoms among Sudanese doctors. Ballal SG. **East Afr Med J** 1984 Feb; 61(2):95-103
Subarachnoid haemorrhage--another smoking related disease. Taha A, et al. **East Afr Med J** 1983 Feb;60(2):85-8
Lung cancer in relation to environmental pollutants emitted from industrial sources. Brown LM, et al. **Environ Res** 1984 Aug;34(2):250-61
Cadmium exposure from smoking cigarettes: variations with time and country where purchased. Elinder CG, et al. **Environ Res** 1983 Oct;32(1):220-7
Detection of exposure to mutagenic compounds in low-tar and medium-tar cigarette smokers. Sorsa M, et al. **Environ Res** 1984 Apr;33(2):312-21
Smoking and lung cancer: some unresolved issues. Wynder EL, et al. **Epidemiol Rev** 1983;5:177-207 (155 ref.)
Cognitive effects of passive smoking. Oborne DJ. **Ergonomics** 1983 Dec;26(12):1163-71
Blood pressure, coffee, tea and tobacco consumption: an epidemiological study in Algiers. Lang T, et al. **Eur Heart J** 1983 Sep;4(9):602-7
Acute effects of cigarette smoking and inhalation of carbon monoxide during maximal exercise. Klausen K, et al. **Eur J Applied Physiol** 1983;51(3):371-9
The effect of cigarette smoke on aryl-hydrocarbon hydroxylase (AHH) activity of the human kidney. Lodovici M, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1565-8
Differential effects of cimetidine on theophylline metabolic pathways. Grygiel JJ, et al. **Eur J Clin Pharmacol** 1984; 26(3):335-40
Smoking in pregnancy: relevance of maternal screening tests on fetal outcome. Hsieh C, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Mar;16(6):403-10
Pleural plaques at autopsy, smoking habits, and asbestos exposure. Andrion A, et al. **Eur J Respir Dis** 1984 Feb; 65(2):125-30
Serum acute-phase glycoproteins and immune complexes in relation to smoking and respiratory symptoms: an epidemiological study. Palosuo T, et al. **Eur J Respir Dis** 1984 Apr;65(3):210-5
Symposium: The attack by cigarettes. **Eur J Respir Dis [Suppl]** 1983;126:77-89
The significance of the relative reduction of FVC and FEV1 after methacholine challenge. Groth S, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):409-12
Half-lives of selected tobacco smoke exposure markers. Lynch CJ. **Eur J Respir Dis [Suppl]** 1984;133:63-7
Validity of questionnaire data on smoking and other exposures, with special reference to environmental tobacco smoke. Pershagen G. **Eur J Respir Dis [Suppl]** 1984; 133:76-80
The effect of cigarette smoke exposure in European hamsters. Ketkar MB, et al. **Exp Pathol** 1984;25(2):103-6
Inhibition of platelet ADP and serotonin release by carbon monoxide and in cigarette smokers. Mansouri A, et al. **Experientia** 1984 May 15;40(5):515-7
A time-course study on the mutagenicity of smoker's urine. Kobayashi H, et al. **Gann** 1984 Jun;75(6):489-93
Stress, cigarettes, and ulcers [letter] Cummings S. **Gastroenterology** 1983 Nov;85(5):1232
Chronic pancreatitis, pancreatic cancer, alcohol, and smoking [letter] Lowenfels AB. **Gastroenterology** 1984 Sep; 87(3):744-5
The effect of maternal smoking on the timing of deciduous tooth eruption. Rantakallio P, et al. **Growth** 1983 Summer; 47(2):122-8
Cigarette smoking and salivary amylase activity [letter] Callegari C, et al. **Gut** 1984 Aug;25(8):909
Duodenal pH in health and duodenal ulcer disease: effect of a meal, Coca-Cola, smoking, and cimetidine. McCloy RF, et al. **Gut** 1984 Apr;25(4):386-92
Effects of smoking on uteroplacental blood flow. Philipp K, et al. **Gynecol Obstet Invest** 1984;17(4):179-82
Migraine and cluster headache: links between platelet monoamine oxidase activity, smoking and personality. Littlewood JT, et al. **Headache** 1984 Jan;24(1):30-4
A study of the smoking habits of pregnant women and their attitudes to smoking in hospital. Nichol N, et al. **Health Bull (Edinb)** 1983 Sep;41(5):233-7
The influence of smoking and intravenous nicotine on gastric mucus. Rack J, et al. **Hepatogastroenterology** 1983 Dec; 30(6):258-60
Smoking and cancer. Koop CE. **Hosp Pract [Off]** 1984 Jun; 19(6):107-11, 117-20, 125-8 passim
Recommendations of the Fifth World Conference on smoking and health, Winnipeg, Canada, July, 10-15, 1983. **Hygie** 1984 Jun;3(2):51-3
An indicator to unmask smokers. Hilgenfeldt J, et al. **Hygie** 1983 Jul;2(2):46-51
Cigarette smoking and hearing loss. Ibrahim AS, et al. **Hygie** 1983 Jul;2(2):31-3
Tobacco smoking by young adult males in Greece. Tsakraklides V, et al. **Hygie** 1983 Jul;2(2):26-30
Cigarette smoking among Beijing (Peking) high schoolers. Ye GS, et al. **Hygie** 1983 Jul;2(2):21-5
A study of forced expiratory spirogram in South Indian beedi smokers and cigarette smokers. Nancy NR, et al. **Indian J Chest Dis Allied Sci** 1983 Jan-Mar;25:25-30
Effect of smoking on serum lipids and lipoproteins in healthy subjects, and patients of old myocardial infarction and hypertension. Garg JP, et al. **Indian J Med Sci** 1983 Apr; 37(4):63-7
Influence of smoking on blood pressure. Rao RS. **Indian J Med Sci** 1983 Jul;37(7):115-9
A study of smoking habits of medical students of Uttar Pradesh. Sandell J, et al. **Indian J Public Health** 1983 Jul-Sep;27(3):96-101
Exposure-effect relationship of selected pulmonary function measurements in subjects exposed to ozone. Kagawa J. **Int Arch Occup Environ Health** 1984;53(4):345-58
The effect of perceived neighborhood setting on self-reported tobacco, alcohol, and marijuana use among inner-city minority junior high school youth. Blount WR, et al. **Int J Addict** 1984 Apr;19(2):175-98
Smoking cessation with hospital employees: an example of worksite smoking cessation. Dawley HH Jr, et al. **Int J Addict** 1984 May;19(3):327-34
Oesophageal cancer in non-smoking drinkers and in non-drinking smokers. Tuyns AJ. **Int J Cancer** 1983 Oct 15;32(4):443-4
Bladder cancer and smoking in males: types of cigarettes, age at start, effect of stopping and interaction with occupation. Vineis P, et al. **Int J Cancer** 1984 Aug 15; 34(2):165-70
Mortality experience in relation to tobacco chewing and smoking habits from a 10-year follow-up study in Ernakulam District, Kerala. Gupta PC, et al. **Int J Epidemiol** 1984 Jun;13(2):184-7
Smoking status and lipid levels in adults of different ethnic origins: the Jerusalem Lipid Research Clinic Program. Halfon ST, et al. **Int J Epidemiol** 1984 Jun;13(2):177-83
Evidence for compensation in smokers of low yield cigarettes. Petitti DB, et al. **Int J Epidemiol** 1983 Dec; 12(4):487-9
Occupation and smoking as risk determinants of lung cancer. Pukkala E, et al. **Int J Epidemiol** 1983 Sep;12(3):290-6
Nurses' cigarette smoking in England and Wales. Spencer JK. **Int J Nurs Stud** 1984;21(2):69-79
A comparison of the knowledge and attitudes about smoking among nurses who never smoked, those who have successfully stopped smoking and those who currently smoke. Swenson I, et al. **Int J Nurs Stud** 1983;20(3):163-70
A combined approach using meditation-hypnosis and behavioral techniques in the treatment of smoking behavior: case studies of five stressed patients. Cohen BB. **Int J Psychosom** 1984;31(1):33-9
Smoking: an important factor in vitamin C deficiency. Hoefel OS. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:121-4
Nicotine gum as an adjunct in smoking cessation. Pomrehn PR. **Iowa Med** 1984 Jun;74(6):259-62
Smoking and health. The facts in Ireland. Cleary A, et al. **Ir Med J** 1983 Dec;76(12 Suppl):1-29
Health-related behavior of adolescents: change over time. Epstein L, et al. **J Adolesc Health Care** 1984 Apr;5(2):91-5
Acute coronary hemodynamic response to cigarette smoking in patients with coronary artery disease. Klein LW, et al. **J Am Coll Cardiol** 1984 Apr;3(4):879-86
Self-initiated smoking cessation in college students. Hellmann R, et al. **J Am Coll Health** 1983 Dec;32(3):95-100
Smoking behavior of prospective teachers: a Nigerian case. Owie I. **J Am Coll Health** 1984 Apr;32(5):205-7
Cigarette smoking among first-year medical students in Yugoslavia and their academic success. Radovanovic Z, et al. **J Am Coll Health** 1983 Jun;31(6):253-5
Efficacy of nicotine chewing gum in facilitating smoking cessation. Christen AG, et al. **J Am Dent Assoc** 1984 Apr; 108(4):594-7
Survey of smoking behavior and attitudes of 630 American dentists: current trends. Christen AG. **J Am Dent Assoc** 1984 Aug;109(2):271-2
The effects of chronic cigarette smoking on cerebrovascular responsiveness to 5 per cent CO2 and 100 per cent O2 inhalation. Rogers RL, et al. **J Am Geriatr Soc** 1984 Jun; 32(6):415-20
Biochemical links between cigarette smoking and pulmonary emphysema. Janoff A. **J Appl Physiol** 1983 Aug; 55(2):285-93 (80 ref.)
Lung epithelial permeability: relation to nonspecific airway responsiveness. O'Byrne PM, et al. **J Appl Physiol** 1984 Jul;57(1):77-84
Smoking as a moderator of the relationship between affective state and absence from work. Parkes KR. **J Appl Psychol** 1983 Nov;68(4):698-708
Effect of prolonged smoking and alcohol on lipid profile, separately and in combination. Baldwa VS, et al. **J Assoc Physicians India** 1983 Sep;31(9):573-5
A situational analysis of adolescent smoking. Biglan A, et al. **J Behav Med** 1984 Mar;7(1):109-14
The effects of smoking and cigarette nicotine content on smokers' preparation and performance of a psychosocially stressful task. Hatch JP, et al. **J Behav Med** 1983 Jun; 6(2):207-16
Physical activity, smoking, and exercise-induced fatigue. Hughes JR, et al. **J Behav Med** 1984 Jun;7(2):217-30
Adolescents' compliance with self-monitoring and physiological assessment of smoking in natural environments. McConnell S, et al. **J Behav Med** 1984 Mar; 7(1):115-22
Measurement of adolescent smoking behavior: rationale and methods. Pechacek TF, et al. **J Behav Med** 1984 Mar; 7(1):123-40
The effect of fear-arousing communications on cigarette smoking: an expectancy-value approach. Sutton SR, et al. **J Behav Med** 1984 Mar;7(1):13-33
Commentary on '40 years of U.S. cigarette smoking and heart disease and cancer mortality rates'. Burch PR. **J Chronic Dis** 1984;37(5):325-35
The surgeon general's 'epidemiologic criteria for causality.' A critique. Burch PR. **J Chronic Dis** 1983;36(12):821-36
The surgeon general's 'epidemiologic criteria for causality'. Reply to Lilienfeld. Burch PR. **J Chronic Dis** 1984; 37(2):148-56
40 years of U.S. cigarette smoking and heart disease and cancer mortality rates. Kristein MM. **J Chronic Dis** 1984; 37(5):317-23
The surgeon general's 'epidemiologic criteria for causality': a criticism of Burch's critique. Lilienfeld AM. **J Chronic Dis** 1983;36(12):837-45
Relation of alcohol and cigarette consumption to blood pressure and serum creatinine levels. Savdie E, et al. **J Chronic Dis** 1984;37(8):617-23
Filtering information about occupation, smoking and disease. Sterling TD. **J Chronic Dis** 1984;37(3):227-30
Possible effects on occupational lung cancer from smoking related changes in the mucus content of the lung. Sterling TD. **J Chronic Dis** 1983;36(10):669-84
Influence of cigarette smoking on goiter formation, thyroglobulin, and thyroid hormone levels in women. Christensen SB, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):615-8
Effect of cigarette smoking on gastrointestinal physiology and non-neoplastic digestive disease. Kikendall JW, et al. **J Clin Gastroenterol** 1984 Feb;6(1):65-79 (142 ref.)
Serum placental type alkaline phosphatase in cigarette smokers. McLaughlin PJ, et al. **J Clin Pathol** 1984 Jul; 37(7):826-8
Toothbrushing efficiency in smokers and non-smokers.

MacGregor ID. **J Clin Periodontol** 1984 May;11(5):313–20
Smoking and hyponatremia in psychiatric patients [letter] Blum A. **J Clin Psychiatry** 1984 Aug;45(8):360–1
Chlorpromazine plasma levels, adverse effects, and tobacco smoking: case report. Stimmel GL, et al. **J Clin Psychiatry** 1983 Nov;44(11):420–2
Factor structure of the levels of attribution and change (LAC) scale in samples of psychotherapists and smokers. Norcross JC, et al. **J Clin Psychol** 1984 Mar;40(2):519–28
Cigarette smoking and bladder cancer: an epidemiological inquiry in West Yorkshire. Cartwright RA, et al. **J Epidemiol Community Health** 1983 Dec;37(4):256–63
School characteristics and adolescent smoking. Results from the MRC/Derbyshire Smoking Study 1974–8 and from a follow up in 1981. Murray M, et al. **J Epidemiol Community Health** 1984 Jun;38(2):167–72
Relationship of cigarette smoking and social class to birth weight and perinatal mortality among all births in Britain, 5–11 April 1970. Rush D, et al. **J Epidemiol Community Health** 1983 Dec;37(4):249–55
Effect of pregnancy on smoking behavior: a baseline study. Hickner J, et al. **J Fam Pract** 1984 Feb;18(2):241–4
Social bonding theory and adolescent cigarette smoking: a longitudinal analysis. Krohn MD, et al. **J Health Soc Behav** 1983 Dec;24(4):337–49
Selective cardiovascular effects of stress and cigarette smoking. MacDougall JM, et al. **J Human Stress** 1983 Sep; 9(3):13–21
The prevalence of cigarette smoking among teenagers: an 18-year study. Feldman RD, et al. **J Indiana State Med Assoc** 1983 Jul;76(7):456–9
Distribution of bacteria adherent to the buccal epithelial cells of cigarette smokers [letter] Fedullo AJ, et al. **J Infect Dis** 1984 Jan;149(1):122–3
Ascorbic acid content and accumulation by alveolar macrophages from cigarette smokers and nonsmokers. McGowan SE, et al. **J Lab Clin Med** 1984 Jul;104(1):127–34
Function of human alveolar macrophages from normal volunteers and cigarette smokers: effect of cystic fibrosis serum. Thomassen MJ, et al. **J Leukocyte Biol** 1984 Apr; 35(4):345–55
The mythology of low-tar cigarettes [editorial] Houston TP. **J Med Assoc Ga** 1984 Feb;73(2):93–4
The smoking cessation reduction action program. Hymowitz N, et al. **J Med Soc NJ** 1984 Jun;81(6):487–90
Whole blood cyanide levels in patients with tobacco amblyopia. Jestico JV, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):573–8
Low platelet monoamine oxidase activity in headache: no correlation with phenolsulphotransferase, succinate dehydrogenase, platelet preparation method or smoking. Littlewood J, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):338–43
Mucociliary clearance mechanism in smoking and nonsmoking normal subjects. Isawa T, et al. **J Nucl Med** 1984 Mar;25(3):352–9
Behavioral, attitudinal, and physiologic characteristics of smoking and nonsmoking asbestos-exposed shipyard workers. Li VC, et al. **J Occup Med** 1983 Dec; 25(12):864–70
Tobacco and asbestos: consistent treatment advocated [editorial] Silverstein M, et al. **J Occup Med** 1983 Sep; 25(9):694–5
Smoking patterns of motor vehicle industry workers and their impact on lung cancer mortality rates. Suta BE, et al. **J Occup Med** 1983 Sep;25(9):661–7
Corporate smoking policies: a review and an analysis. Walsh DC. **J Occup Med** 1984 Jan;26(1):17–22 (42 ref.)
Effects of smoking on the prevalence and intraoral distribution of Candida albicans. Oliver DE, et al. **J Oral Pathol** 1984 Jun;13(3):265–70
Smoking in pregnancy. Dalaker K, et al. **J Oslo City Hosp** 1984 Mar–Apr;34(3–4):21–7
Children's conceptions of smoking. Meltzer J, et al. **J Pediatr Psychol** 1984 Mar;9(1):41–56
The ultrastructure of the gingival epithelium in smokers' melanosis. Hedin CA, et al. **J Periodont Res** 1984 Mar; 19(2):177–90
Association between smoking different tobacco products and periodontal disease indexes. Feldman RS, et al. **J Periodontol** 1983 Aug;54(8):481–7
Influence of smoking on serum protein composition and the protein binding of drugs. Benedek IH, et al. **J Pharm Pharmacol** 1984 Mar;36(3):214–6
Effects of methadone on human cigarette smoking and subjective ratings. Chait LD, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):636–40
The effects of smoking on memory consolidation. Mangan GL, et al. **J Psychol** 1983 Sep;115(1st Half):65–77
Drinking and smoking on television, 1950–1982. Breed W, et al. **J Public Health Policy** 1984 Jun;5(2):257–70
The cigarette safety bill: a case study in injury control advocacy. Teret SP, et al. **J Public Health Policy** 1983 Dec;4(4):440–6
Effect on birth weight of smoking in pregnancy. Young KR. **J R Army Med Corps** 1983 Jun;129(2):101–3
Children's opinions about smoking. Charlton A. **J R Coll Gen Pract** 1984 Sep;34(266):483–7
Smoking among schoolchildren. O'Rourke AH, et al. **J R Coll Gen Pract** 1983 Sep;33(254):569–72
Smoking habits of doctors and their spouses in south east Scotland. Seiler ER. **J R Coll Gen Pract** 1983 Sep; 33(254):598
Cigarette smoking and the clinical outcome of gold therapy in rheumatoid arthritis [letter] Lewis D, et al. **J Rheumatol** 1984 Feb;11(1):111–2
Effects of primary grades health curriculum project on student and parent smoking attitudes and behavior. Andrews RL, et al. **J Sch Health** 1984 Jan;54(1):18–20
Capturing the energy of peer pressure: insights from a longitudinal study of adolescent cigarette smoking. Newman IM. **J Sch Health** 1984 Apr;54(4):146–8
Assessing gender differences in college cigarette smoking intenders and nonintenders. Page RM, et al. **J Sch Health** 1983 Nov;53(9):531–5
Smoking behavior of high school students in Israel. Zoller U, et al. **J Sch Health** 1983 Dec;53(10):613–7
Estimating the hazards of 'less hazardous' cigarettes. III. A study of the effect of various smoking conditions on yields of hydrogen cyanide and cigarette tar. Rickert WS, et al. **J Toxicol Environ Health** 1983 Jul;12(1):39–54
The effect of acupuncture in curing the smoking habit, 210 cases. Wu YG. **J Tradit Chin Med** 1981 Sep;1(1):65–6
The at-risk concept [editorial] Ebrahim GJ. **J Trop Pediatr** 1983 Dec;29(6):290–1
An international study of smoking and bladder cancer. Morrison AS, et al. **J Urol** 1984 Apr;131(4):650–4
Leads from the MMWR. Recent trends in tobacco consumption—Canada and other countries. **JAMA** 1984 Jul 6;252(1):23–4
Leads from the MMWR. Smoking and cardiovascular diseases. **JAMA** 1984 Feb 3;251(5):574, 579
Maternal smoking and perinatal health [editorial] Aubry RH. **JAMA** 1984 Feb 17;251(7):935
Smoking and eye injuries to toddlers [letter] Awan KJ. **JAMA** 1984 Jun 15;251(23):3080
Amount of nicotine and carbon monoxide inhaled by smokers of low-tar, low-nicotine cigarettes. Ebert RV, et al. **JAMA** 1983 Nov 25;250(20):2840–2
Cigarette smoking decreases cerebral blood flow suggesting increased risk for stroke. Rogers RL, et al. **JAMA** 1983 Nov 25;250(20):2796–800
Myocardial infarction in women under 50 years of age. Rosenberg L, et al. **JAMA** 1983 Nov 25;250(20):2801–6
A clinical trial of change in maternal smoking and its effect on birth weight. Sexton M, et al. **JAMA** 1984 Feb 17; 251(7):911–5
Leanness and smoking [letter] Van Peenen PF, et al. **JAMA** 1983 Nov 4;250(17):2284
Lung cancer: leading cause of cancer deaths in Louisiana white females [letter] Chen VW, et al. **JNCI** 1984 Jan; 72(1):1–2
N-nitrosation of proline in smokers and nonsmokers. Ladd KF, et al. **JNCI** 1984 Jul;73(1):83–7
Assessment of lung cancer risk factors by histologic category. Lubin JH, et al. **JNCI** 1984 Aug;73(2):383–9
Lung cancer risk with cigar and pipe use. Lubin JH, et al. **JNCI** 1984 Aug;73(2):377–81
Effects of smoking on the development of female reproductive cancers. Smith EM, et al. **JNCI** 1984 Aug; 73(2):371–6
Demographic aspects of the low-yield cigarette: considerations in the evaluation of health risk. Wynder EL, et al. **JNCI** 1984 Apr;72(4):817–22
Cigarette smoking in renovascular hypertension [letter] **Lancet** 1984 Jan 14;1(8368):104–5
Passive smoking and indoor radon daughter concentrations [letter] Bergman H, et al. **Lancet** 1983 Dec 3;2(8362):1308–9
Cigarette smoking and lung haemorrhage in glomerulonephritis caused by autoantibodies to glomerular basement membrane. Donaghy M, et al. **Lancet** 1983 Dec 17;2(8364):1390–3
Smoking as risk factor in cervical neoplasia [letter] Hellberg D, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1497
Tough cells and old age. Hopkin JM, et al. **Lancet** 1983 Nov 19;2(8360):1170–3
Smoking and ulcerative colitis [letter] McGarry JM. **Lancet** 1983 Dec 24–31;2(8365–66):1498
Cigarette smoking and renovascular hypertension. Nicholson JP, et al. **Lancet** 1983 Oct 1;2(8353):765–6
Mormons, smoking, and ulcerative colitis [letter] Penny WJ, et al. **Lancet** 1983 Dec 3;2(8362):1315
Smoking and ulcerative colitis [letter] Rampton DS. **Lancet** 1984 Jan 21;1(8369):168
Promoting tobacco [letter] Sampson D. **Lancet** 1983 Dec 10; 2(8363):1365
Alcohol, smoking, and sex [letter] Skrabanek P. **Lancet** 1984 Mar 17;1(8377):636
Cigarette smoking and platelet adhesion [letter] Woolf N, et al. **Lancet** 1983 Nov 5;2(8358):1091
Pulmonary NAD+-linked 15-hydroxyprostaglandin dehydrogenase activity is decreased by cigarette smoking. Chang WC, et al. **Life Sci** 1984 Mar 26;34(13):1261–8
The effects of smoking on ACTH and cortisol secretion. Seyler LE Jr, et al. **Life Sci** 1984 Jan 2;34(1):57–65
Smoking, abnormal haemorheology and the pathogenesis of coronary heart disease. Simpson LO. **Med Hypotheses** 1984 May;14(1):21–6
Smoke gets in your eyes [letter] **Med J Aust** 1984 May 26; 140(11):682
Smoke gets in your eyes [letter] **Med J Aust** 1984 Jul 21; 141(2):132–3
Where there's smoke [letter] **Med J Aust** 1984 Jul 7; 141(1):66–8
Smoking, immunity, and cancer. Burton RC. **Med J Aust** 1983 Oct 29;2(9):411–2
Effects of cigarette smoking on the immune system. Follow-up studies in normal subjects after cessation of smoking. Hersey P, et al. **Med J Aust** 1983 Oct 29; 2(9):425–9
Smokescreen. Sarfaty G. **Med J Aust** 1983 Sep 3;2(5):244–5
Smoking and health [letter] Topping D. **Med J Aust** 1984 May 26;140(11):681–2
Cigarette smoking, physical activity, and alcohol consumption: relationship to blood lipids and lipoproteins in premenopausal females. Stamford BA, et al. **Metabolism** 1984 Jul;33(7):585–90
The clinical significance of the effects of cigarette smoking on drug disposition. Luczynska C, et al. **Methods Find Exp Clin Pharmacol** 1983 Sep;5(7):479–87 (55 ref.)
Effect of cigarette smoking on experimental microvascular anastomoses. Yaffe B, et al. **Microsurgery** 1984;5(2):70–2
Emphysema. Era of Laennec; era of the cigarette. Mann RJ, et al. **Minn Med** 1984 Mar;67(3):159–61, 142
Recent trends in tobacco consumption—Canada and other countries. **MMWR** 1984 Jun 8;33(22):320–3
Smoking and cardiovascular disease. **MMWR** 1984 Jan 6; 32(52):677–9
Behavioral-risk-factor surveillance—selected states. Hogelin GC. **MMWR Surveill Summ** 1983 Feb;32(1):11SS–17SS
Sister-chromatid exchange frequency in lymphocytes of smoking and nonsmoking mothers and their newborn infants. Lundberg MS, et al. **Mutat Res** 1983 Sep; 121(3–4):241–6
Analysis of urinary mutagens produced by cigarette-smoking baboons. Marshall MV, et al. **Mutat Res** 1983 Sep; 118(4):241–56
Breast cancer and cigarette smoking [letter] **N Engl J Med** 1984 Jun 7;310(23):1531–2
Low-yield cigarettes [letter] **N Engl J Med** 1984 Jan 26; 310(4):260
Weight gain after cessation of cigarette smoking. A possible role for adipose-tissue lipoprotein lipase. Carney RM, et al. **N Engl J Med** 1984 Mar 8;310(10):614–6
Cigarette smoking and the treatment of angina with propranolol, atenolol, and nifedipine. Deanfield J, et al. **N Engl J Med** 1984 Apr 12;310(15):951–4
Smoking, weight change, and lipoprotein lipase [letter] Eckel RH, et al. **N Engl J Med** 1984 Jul 26;311(4):259–60
Smoking and public policy. Iglehart JK. **N Engl J Med** 1984 Feb 23;310(8):539–44
Cigarette ads in the Ladies' Home Journal [letter] Kitchens CS. **N Engl J Med** 1984 Jul 5;311(1):51–2
Smoking and ulcers—time to quit [editorial] McCarthy DM. **N Engl J Med** 1984 Sep 13;311(11):726–8
Breast cancer and cigarette smoking. Rosenberg L, et al. **N Engl J Med** 1984 Jan 12;310(2):92–4
Cimetidine, cigarette smoking, and recurrence of duodenal ulcer. Sontag S, et al. **N Engl J Med** 1984 Sep 13; 311(11):689–93
British physicians lose patience [news] Beardsley T. **Nature** 1983 Dec 1–7;306(5942):418
Inhibition of cigarette smoke-induced oedema in the nasal mucosa by capsaicin pretreatment and a substance P antagonist. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):181–5
Adolescent alcohol, marijuana and tobacco use in Nebraska. Newman IM, et al. **Nebr Med J** 1984 Apr;69(4):92–5
Interaction of smoking and urban air pollution in the etiology of lung cancer. Jędrychowski W. **Neoplasma** 1983; 30(5):603–9
Effects of maternal social drinking and smoking on offspring at 13 months. Gusella JL, et al. **Neurobehav Toxicol Teratol** 1984 Jan–Feb;6(1):13–7
Effects of smoking on rapid information processing performance. Wesnes K, et al. **Neuropsychobiology** 1983; 9(4):223–9
Cigarette smoke-induced airway oedema due to activation of capsaicin-sensitive vagal afferents and substance P release. Lundberg JM, et al. **Neuroscience** 1983 Dec; 10(4):1361–8
The world cigarette pandemic [letter] **NY State J Med** 1984 Apr;84(4):161–8
The business of smoking. **NY State J Med** 1983 Dec; 83(13):1324–32
Smoking at school [letter] Bethwaite J, et al. **NZ Med J** 1983 Nov 9;96(743 Pt 2):945–6
Alpha 1-antitrypsin, emphysema and smoking. Carrell RW. **NZ Med J** 1984 May 23;97(756):327–8
Intercensal trends in cigarette smoking in New Zealand 1: age, sex and ethnic status. Hay DR, et al. **NZ Med J** 1984 May 9;97(755):283–5
Intercensal trends in cigarette smoking by New Zealand doctors and nurses. Hay DR. **NZ Med J** 1984 Apr 25; 97(754):253–5
Intercensal trends in cigarette smoking in New Zealand 2: Social and occupational factors. Hay DR, et al. **NZ Med J** 1984 Jun 27;97(758):395–8
A comparison of high school students' smoking behaviours in 1968 and 1981. Mitchell DR. **NZ Med J** 1983 Jul 13; 96(735):534–6
The prevalence of smoking among Dunedin nine-year olds. Oei TP, et al. **NZ Med J** 1984 Aug 8;97(761):528–31
Fetal growth retardation due to maternal tobacco smoke

exposure in the rat. Bassi JA, et al. **Pediatr Res** 1984 Feb; 18(2):127–30
Cigarette smokers self-administer intravenous nicotine. Henningfield JE, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):887–90
Determinants of puff duration in cigarette smokers: I. Nemeth-Coslett R, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):965–71
Effects of single doses of alcohol and caffeine on cigarette smoke puffing behavior. Nil R, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):583–90
Nicotine dependence in cigarette smoking: an empirically-based, multivariate model. Pomerleau OF, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):291–9
Nicotine preference increases after cigarette deprivation. Rose JE, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):55–8
Actions of nicotine and smoking on circulation. Su C. **Pharmacol Ther** 1982;17(1):129–41 (71 ref.)
Smoking, nicotine and human performance. Wesnes K, et al. **Pharmacol Ther** 1983;21(2):189–208 (49 ref.)
Structural changes in the placenta of smoking mothers: a quantitative study. van der Velde WJ, et al. **Placenta** 1983 Jul–Sep;4(3):231–40
The effect of cigarette smoking on skin-flap survival in the face lift patient. Rees TD, et al. **Plast Reconstr Surg** 1984 Jun;73(6):911–5
Trends in major risk factors. Cigarette smoking. Simpson D. **Postgrad Med J** 1984 Jan;60(699):20–5
Patterns of smoking. Social and psychological factors. Ashton H. **Practitioner** 1983 Sep;227(1383):1415–23
Lung cancer and the 'safer' cigarette. Lee PN. **Practitioner** 1983 Sep;227(1383):1459–61
Indirect measures of cigarette use: expired-air carbon monoxide versus plasma thiocyanate. Fortmann SP, et al. **Prev Med** 1984 Jan;13(1):127–35
Psychological questionnaire score, cigarette smoking, and myocardial infarction: a continuing enigma. Friedman GD, et al. **Prev Med** 1983 Jul;12(4):533–40
Risk factors in the development of chronic obstructive pulmonary disease. Petty TL. **Proc Annu Meet Med Sect Am Counc Life Insur** 1983;:59–65
Smoking cessation among California physicians: an example of cancer control. Enstrom JE, et al. **Prog Clin Biol Res** 1984;156:255–64
Smoking behavior among Hispanics: a preliminary report. Marcus AC, et al. **Prog Clin Biol Res** 1984;156:141–51
The effects of cigarette smoke on the fate of arachidonic acid in rat and hamster lungs. Männistö J. **Prostaglandins** 1983 Nov;26(5):681–8
Cigarette smoke ventilation decreases thromboxane B2 metabolism in isolated rat lungs. Männistö J, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):439–42
'Smoking, personality and reasons for smoking': a reply to Eysenck. McManus IC. **Psychol Med** 1983 Nov;13(4):895–6
Developmental changes in attitudes toward cigarette smokers during early adolescence. Botvin EM, et al. **Psychol Rep** 1983 Oct;53(2):547–53
Effects of acute exercise and cigarette smoking on autonomic and neuromuscular responses to a cognitive stressor. Russell PO, et al. **Psychol Rep** 1983 Aug;53(1):199–206
Neuropsychopharmacology of nicotine and tobacco smoking. Domino EF. **Psychopharmacol Bull** 1983;19(3):398–401
Platelet monoamine oxidase activity and headache: relationship to personality and smoking. Glover V, et al. **Psychopharmacol Bull** 1984 Summer;20(3):536–8
Human pharmacology of nicotine. Henningfield JE, et al. **Psychopharmacol Bull** 1983;19(3):413–5
Psychopharmacological studies on nicotine and tobacco smoking in rhesus monkeys. Yanagita T, et al. **Psychopharmacol Bull** 1983;19(3):409–12
The effect of smoking on perception of muscle tension. Epstein LH, et al. **Psychopharmacology (Berlin)** 1984; 83(1):107–13
Effects of ethanol on cigarette smoking by volunteers without histories of alcoholism. Henningfield JE, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):1–5
Effect of nicotine on the tobacco withdrawal syndrome. Hughes JR, et al. **Psychopharmacology (Berlin)** 1984; 83(1):82–7
Neuroendocrine reactivity to nicotine in smokers. Pomerleau OF, et al. **Psychopharmacology (Berlin)** 1983;81(1):61–7
Time course of smoking withdrawal symptoms as a function of nicotine replacement. Schneider NG, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):143–4
The effects of cigarettes of varying yield on rapid information processing performance. Wesnes K, et al. **Psychopharmacology (Berlin)** 1984;82(4):338–42
Effects of cigarette smoking on bilateral skin conductance. Boyd GM, et al. **Psychophysiology** 1984 May;21(3):334–41
Low birth weight, drink, smoking and diet [editorial] **Public Health** 1983 Nov;97(6):307–8
Smoking and respiratory disease symptoms in rural Bangladesh. Cohen N, et al. **Public Health** 1983 Nov; 97(6):338–46
Teenage smoking and antecedent parental characteristics: a prospective study. Oechsli FW, et al. **Public Health** 1984 Mar;98(2):103–8
Cigarette smoking: example of behavioral regulation of physiological homeostasis? [letter] Bowers EJ, et al. **Public Health Rep** 1984 Mar–Apr;99(2):108–10
Longevity of nonsmoking men and women [letter] Feinleib M, et al. **Public Health Rep** 1984 May–Jun;99(3):223
Surgeons General's reports on smoking and cancer: uses and misuses of statistics and of science [letter] Hickey RJ, et al. **Public Health Rep** 1983 Sep–Oct;98(5):410–1
Others would get similar longevity results if they took greater care [letter] Miller GH, et al. **Public Health Rep** 1984 May–Jun;99(3):223–4
Comparison of nurses' smoking habits: the 1975 DHEW survey and Connecticut nurses, 1981. Morra ME, et al. **Public Health Rep** 1983 Nov–Dec;98(6):553–7
Smoking and drinking behavior before and during pregnancy of married mothers of live-born infants and stillborn infants. Prager K, et al. **Public Health Rep** 1984 Mar–Apr; 99(2):117–27
Influence of cigarette smoke on antipyrine metabolite formation in rats. Nakagawa A, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):473–91
A comparison of three methods of measuring broncholability in asthmatics, bronchitic cigarette smokers and normal subjects. Khoo KT, et al. **Respiration** 1984;45(3):219–24
Regional mucociliary removal of inhaled particles in smokers with small airways disease. Weiss T, et al. **Respiration** 1983; 44(5):338–45
The relationship between tabacism and pulmonary determination in the influenza. Grubneac V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):557–9
Tobacco smoking among students at the University of the Witwatersrand, Johannesburg. Borkon L, et al. **S Afr Med J** 1983 Nov 12;64(21):809–12
Absorption properties of two theophylline sustained-release products in smokers. Miller R, et al. **S Afr Med J** 1984 Jun 30;65(26):1045–8
Reasons for starting the anti-tobacco campaign. Remarks on the situation in the Socialist Republic of Romania. Barnea M, et al. **Sante Publique (Bucur)** 1983;26(3):267–80
Cigarette smoking and its effects on the platelet-vessel wall interaction. Madsen H, et al. **Scand J Clin Lab Invest** 1984 May;44(3):203–6
Secretion rate, buffer effect and number of lactobacilli and Streptococcus mutans of whole saliva of cigarette smokers and nonsmokers. Heintze U. **Scand J Dent Res** 1984 Aug; 92(4):294–301
Stimulated salivary flow rate, pH and lactobacillus and yeast concentrations in non-smokers and smokers. Parvinen T. **Scand J Dent Res** 1984 Aug;92(4):315–8
Smoking among schoolteachers in Estonia 1980. Raudsepp J, et al. **Scand J Soc Med** 1984;12(1):49–53
Smoking habits in east Denmark at October 1979. Roed-Petersen B. **Scand J Soc Med** 1984;12(1):39–47
Lung cancer, stomach cancer, and smoking status among coal miners. A preliminary test of a hypothesis. Ames RG, et al. **Scand J Work Environ Health** 1983 Oct;9(5):443–8
Methods of control for smoking in occupational cohort mortality studies. Steenland K, et al. **Scand J Work Environ Health** 1984 Jun;10(3):143–9
Smoking and longevity studies [letter] Enstrom JE. **Science** 1984 Aug 31;225(4665):878
Is alpha 1-protease inhibitor inactivated by smoking? Janoff A, et al. **Science** 1984 May 18;224(4650):755–6
Smoking and longevity [letter] Miller GH. **Science** 1984 Jun 15;224(4654):1157–8
Ethanolic beverage consumption, cigarette smoking, nutritional status, and digestive tract cancers. Broitman SA, et al. **Semin Oncol** 1983 Sep;10(3):322–9 (97 ref.)
Causes of adolescent cigarette smoking: tests of a structural equation model. McAllister AL, et al. **Soc Psychol Q** 1984 Mar;47(1):24–36
Does smoking increase medical care expenditure? Leu RE, et al. **Soc Sci Med** 1983;17(23):1907–14
Effects of smoking on regional cerebral blood flow in neurologically normal subjects. Kubota K, et al. **Stroke** 1983 Sep–Oct;14(5):720–4
Smoking withdrawal in hospital patients: factors associated with outcome. Subcommittee of the Research Committee of the British Thoracic Society. **Thorax** 1984 Sep; 39(9):651–6
Giving up smoking [editorial] Higenbottam T, et al. **Thorax** 1984 Sep;39(9):641–6
Long term changes in lung function after surgical treatment of bullous emphysema in smokers and ex-smokers. Hughes JA, et al. **Thorax** 1984 Feb;39(2):140–2
Switching to low tar cigarettes: are the tar league tables relevant? Rawbone RG. **Thorax** 1984 Sep;39(9):657–62
Packed cell volume, haemoglobin, and oxygen saturation changes in healthy smokers and non-smokers. Tirlapur VG, et al. **Thorax** 1983 Oct;38(10):785–7
Urinary nicotine concentrations in cigarette and pipe smokers. Wald NJ, et al. **Thorax** 1984 May;39(5):365–8
Relative intakes of tar, nicotine, and carbon monoxide from cigarettes of different yields. Wald NJ, et al. **Thorax** 1984 May;39(5):361–4
The effects of acute smoking on platelet behaviour, fibrinolysis and haemorheology in habitual smokers. Belch JJ, et al. **Thromb Haemost** 1984 Feb 28;51(1):6–8
Acute platelet activation induced by smoking. In vivo and ex vivo studies in humans. Schmidt KG, et al. **Thromb Haemost** 1984 Apr 30;51(2):279–82
The effect of cigarette smoking on platelet function and hemostatic balance in healthy people [letter] Sinzinger H. **Thromb Haemost** 1984 Apr 30;51(2):296
Cigarette smoking shortens the bleeding time. Ring T, et al. **Thromb Res** 1983 Dec 15;32(6):531–6
Plasma nicotine and cotinine in tobacco smoke exposed beagle dogs. Brazell RS, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):152–8
Effect of cigarette smoking on hepatic biotransformations in rats. Graziano MJ, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):229–39
Effect of smoking on cadmium and lead concentrations in human amniotic fluid. Siegers CP, et al. **Toxicol Lett** 1983 Dec;19(3):327–31
Chronic administration of water soluble tobacco smoke extract or nicotine fails to influence porcine coronary artery reactivity. Saxon DJ, et al. **Toxicology** 1984 Jul;32(1):85–91
Cadmium in blood and urine among smokers and non-smokers with high cadmium intake via food. Sharma RP, et al. **Toxicology** 1983 Dec;29(1–2):163–71
Intimal ultrastructural morphology of umbilical cord vasculature in babies born to cigarette smoking mothers. Staubesand J, et al. **Vasa** 1984;13(2):138–46
'Smoking and pregnancy' kit available [letter] Heavener JC Jr. **W Va Med J** 1984 Feb;80(2):37
Drug metabolizing capacity in Jamaican cigarette and marijuana smokers and non-smokers. Fraser HS, et al. **West Indian Med J** 1983 Dec;32(4):207–11
Cigarette smoking by adolescent females: implications for health and behavior. Gritz ER. **Women Health** 1984 Summer–Fall;9(2–3):103–15
Reasons for smoking cessation among a random sample of North Carolina nurses. Swenson I, et al. **Women Health** 1983 Winter;8(4):33–41
Effects of disease, route of administration, cigarette smoking, food intake on the pharmacokinetics and circulatory effects of isosorbide dinitrate. Fung HL, et al. **Z Kardiol** 1983;72 Suppl 3:5–10
[Immediate effects of cigarette smoking on indices of lung functions in smoking adult men] Zhang HC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):198–9 (Eng. Abstr.) **(Chi)**
[Carboxyhemoglobin level and activities of various serum enzymes in healthy Chinese smokers] Hou S. **Chung Hua I Hsueh Tsa Chih** 1983 Nov;63(11):683–6 **(Chi)**
[Smoking and excess mortality] Li WX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):91–4 (Eng. Abstr.) **(Chi)**
[Cardiac rehabilitation: a 5-year follow-up study of mental functioning, work resumption, smoking habits and sports activities] Erdman RA, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):846–51 (Eng. Abstr.) **(Dut)**
[Does the modern environment increase the occurrence of respiratory diseases and allergies?] Terho EO, et al. **Duodecim** 1983;99(22):1618–27 (Eng. Abstr.) **(Fin)**
[Tobacco smoke as an environmental hazard] Vainio H, et al. **Duodecim** 1983;99(22):1638–45 (41 ref.) **(Fin)**
[Nutrition—alcohol—tobacco] Ansiaux, et al. **Arch Belg** 1983;41(11–12):501–3 **(Fre)**
[Tobacco] Frederick. **Arch Belg** 1983;41(11–12):493–5 **(Fre)**
[Tobacco—dental hygiene] Loute J. **Arch Belg** 1983; 41(11–12):511–4 **(Fre)**
[Possible role of vasopressin in ischemic accidents related to tobacco consumption] de Lorgeril M, et al. **Arch Mal Coeur** 1984 Jan;77(1):71–5 (Eng. Abstr.) **(Fre)**
[Tobacco withdrawal. Comparison of the efficacy of various methods. Intermediate results of a comparative study] Clavel F, et al. **Presse Med** 1984 Apr 14;13(16):975–7 (Eng. Abstr.) **(Fre)**
[Prevalence of smoking among diabetics and influence of tobacco on diabetic retinopathy] Lombrail P, et al. **Presse Med** 1983 Nov 19;12(42):2677–9 (Eng. Abstr.) **(Fre)**
[Asbestosis. A new source of contamination (letter)] Mathieu M, et al. **Presse Med** 1984 Jan 28;13(3):170 **(Fre)**
[Another way of looking at smoking addiction] Cattelain P. **Rev Med Liege** 1983 Sep 1;38(17):669–73 **(Fre)**
[Tobacco and pregnancy] Foidart JM. **Rev Med Liege** 1983 Sep 1;38(17):655–63 **(Fre)**
[Genetic toxicology of tobacco] Gielen JE. **Rev Med Liege** 1983 Sep 1;38(17):666–7 **(Fre)**
[Smoking addiction] Lecomte J. **Rev Med Liege** 1983 Sep 1;38(17):631–2 **(Fre)**
[Statistics relating to problems of smoking addiction] Lennes G. **Rev Med Liege** 1983 Sep 1;38(17):643–7 **(Fre)**
[Tobacco and cardio-vascular diseases] Limet R. **Rev Med Liege** 1983 Sep 1;38(17):652–5 **(Fre)**
[Bronchopneumopathies] Marcelle R. **Rev Med Liege** 1983 Sep 1;38(17):663–5 **(Fre)**
[Effect of cigarette smoke on the cellular composition of bronchoalveolar lavage liquids in lung diseases] Leuenberger P, et al. **Schweiz Med Wochenschr** 1984 Jun 23;114(25):928–9 (Eng. Abstr.) **(Fre)**
[Cigarettes, contraceptive drugs and lipidogenesis in the female] Lederer J. **Sem Hop Paris** 1983 Dec 29; 59(49):3413–6 (Eng. Abstr.) **(Fre)**
[Determining factors of smoking in Quebec] Robitaille NM, et al. **Union Med Can** 1984 Jan;113(1):21–3 (Eng. Abstr.) **(Fre)**
[Peroral kallikrein therapy for male infertility—comparison between smokers and non-smokers] Mittelbach F, et al. **Andrologia** 1983;15 Spec No:515–22 (Eng. Abstr.) **(Ger)**
[Passive smoker and deprived smoker as participants in traffic studies—studies on reactive performance] Mittmeyer HJ,

et al. **Beitr Gerichtl Med** 1984;42:199–206 (Eng. Abstr.) **(Ger)**

[The connections between smoking, mucociliary clearance and airway obstruction] Vastag E, et al. **Fortschr Med** 1984 Jun 21;102(23):629–34 (Eng. Abstr.) **(Ger)**

[Cadmium and lead concentrations in the amniotic fluid of pregnant smokers and non-smokers] Klink F, et al. **Geburtshilfe Frauenheilkd** 1983 Nov;43(11):695–8 (Eng. Abstr.) **(Ger)**

[Carcinoma and leukoplakia in the oral cavity in relation to AHH induction, smoking and dental status] Andreasson L, et al. **HNO** 1984 Mar;32(3):112–4 (Eng. Abstr.) **(Ger)**

[Analytic and diagnostic validity of the determination of carboxyhemoglobin in blood and carbon monoxide in the breath of smokers and non-smokers] Heinemann G, et al. **J Clin Chem Clin Biochem** 1984 Mar;22(3):229–35 (Eng. Abstr.) **(Ger)**

[Parallel thiocyanate determination in serum and blood of smokers and nonsmokers] Paetzelt H, et al. **Pharmazie** 1984 Feb;39(2):127–8 **(Ger)**

[Genetically-induced lung cancer susceptibility in smokers] Korsgaard R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:679–81 **(Ger)**

[Lung cancers in non-smokers] Pasurka S, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1012–3 (Eng. Abstr.) **(Ger)**

[Smoking habits, carbomonoxyhemoglobin and lung diseases] Trell E, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:673–5 (Eng. Abstr.) **(Ger)**

[The political and economic costs of smoking: a reply (letter)] Leu RE, et al. **Schweiz Med Wochenschr** 1983 Sep 24; 113(38):1367–9 **(Ger)**

[Ultrastructure findings in umbilical cord arteries in EPH gestosis, juvenile diabetes mellitus and mothers who smoke] Ulrich W, et al. **Vasa** 1984;13(1):11–8 (Eng. Abstr.) **(Ger)**

[Occupational exposure to harmful substances and its significance in the development of chronic obstructive lung diseases] Rebohle E. **Z Erkr Atmungsorgane** 1983; 161(3):266–72 (Eng. Abstr.) **(Ger)**

[Chromolipid storage in alveolar macrophages: a distinctive mark for cigarette smokers] Reiter C. **Z Rechtsmed** 1983; 91(1):37–46 (Eng. Abstr.) **(Ger)**

[Smoking and pregnancy] Huch R. **ZFA (Stuttgart)** 1984 Feb 10;60(4):135–41 **(Ger)**

[The angiopathy risk factor in inhaling during smoking] Marshall M. **ZFA (Stuttgart)** 1984 Feb 10;60(4):142–50 **(Ger)**

[Smoking and heart infarction] Schmidt F. **ZFA (Stuttgart)** 1984 Feb 10;60(4):151–5 **(Ger)**

[Morphometric study of the minor airways of the lung] Miskovits G, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr; 24(2):141–6 (Eng. Abstr.) **(Hun)**

[Harmful effects of smoking during pregnancy: studies on blood oxygen affinity] Temesvári P, et al. **Orv Hetil** 1983 Aug 14;124(33):1979–82 (Eng. Abstr.) **(Hun)**

[Comparative study of maximal midexpiratory flow rate in normal smoking and non-smoking subjects] Viotti G, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):331–5 (Eng. Abstr.) **(Ita)**

[Hemorheological changes induced by cigarette smoke in smokers and nonsmokers] Cortinovis A, et al. **Boll Soc Ital Cardiol** 1983 Apr;28(4):327–36 (Eng. Abstr.) **(Ita)**

[Correlations between cigarette smoking and other risk factors in coronary disease] Di Blasi S, et al. **Boll Soc Ital Cardiol** 1983 Dec;28(12):1037–51 (Eng. Abstr.) **(Ita)**

[Smoking: a slow suicide!] Selvini A. **G Ital Cardiol** 1984 Apr;14(4):261–4 **(Ita)**

[Smoking and the reproductive health of women] Figa'-Talamanca I. **Recenti Prog Med** 1984 Mar; 75(3):211–21 (Eng. Abstr.) **(Ita)**

[Influence of the donor's smoking on P50 of the banked blood] Sekiguchi S. **Hokkaido Igaku Zasshi** 1983 Nov; 58(6):631–3 (Eng. Abstr.) **(Jpn)**

[Influence of genetic factor and cigarette smoking on bronchial mucociliary clearance] Kamishima K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Aug; 21(8):722–9 (Eng. Abstr.) **(Jpn)**

[The acute effects of smoking one cigarette on the airways] Nagashima T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb;22(2):131–7 (Eng. Abstr.) **(Jpn)**

[Smoking habits and pathophysiology in farmer's lung] Terai T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan; 22(1):20–5 (Eng. Abstr.) **(Jpn)**

[An epidemiological study on risk factors in peptic ulcer] Misaki F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2504–11 (Eng. Abstr.) **(Jpn)**

[Effects of smoking, alcohol and coffee drinking on the course of peptic ulcer] Nakamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec; 80(12):2493–503 (Eng. Abstr.) **(Jpn)**

[Effect of cigarette smoking on low birth weight and child development] Kern K. **Ginekol Pol** 1983 Jul;54(7):483–6 (Eng. Abstr.) **(Pol)**

[Problem of prematurity in an occupational prenatal care department. II. Smoking] Zdziennicki A. **Ginekol Pol** 1984 Jan;55(1):35–8 (Eng. Abstr.) **(Pol)**

[Physiological and biochemical blood parameters in cigarette smokers and non-smokers] Bartelik S, et al. **Pol Tyg Lek** 1984 Jan 2;39(1):7–8 (Eng. Abstr.) **(Pol)**

[The immune system in tobacco smokers] Moszczyński P, et al. **Pol Tyg Lek** 1984 Jan 2;39(1):25–8 (40 ref.) **(Pol)**

[Pattern of tobacco smoking in Poland] Jokiel M. **Przegl Epidemiol** 1983;37(3–4):435–43 (Eng. Abstr.) **(Pol)**

[Effect of a single dose of cigarette smoke on the central hemodynamics, serum adrenaline and noradrenaline concentrations and blood carboxyhemoglobin levels] Halawa B. **Wiad Lek** 1983 Oct 15;36(20):1653–9 (Eng. Abstr.) **(Pol)**

[Smoking and pregnancy. II. Impact on the fetus] Gross R, et al. **AMB** 1983 Jan–Feb;29(1–2):7–9 (Eng. Abstr.) **(Por)**

[Smoking and pregnancy. I. Prevalence of the smoking habit among pregnant women] Gross R, et al. **AMB** 1983 Jan–Feb;29(1–2):4–6 (Eng. Abstr.) **(Por)**

[A pilot survey of the Brazilian Medical Association on smoking among physicians] Rosemberg J. **AMB** 1983 Jul–Aug;29(7–8):127–8 **(Por)**

[Alcoholism, smoking and epidermoid carcinoma of the middle third of the esophagus: a case-control study] Jozala E, et al. **Rev Saude Publica** 1983 Jun;17(3):221–5 (Eng. Abstr.) **(Por)**

[Ocular disorders caused by smoking] Bogdan MM. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):117–9 (Eng. Abstr.) **(Rum)**

[Particular aspects of bronchopulmonary cancer in non-smokers] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):111–6 (Eng. Abstr.) **(Rum)**

[Smoking and the instantaneous prevalence of chronic bronchitis in the military environment. Results of an epidemiological survey] Ispas TL, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec;32(4):303–9 (Eng. Abstr.) **(Rum)**

[Chronic bronchitis among workers in a number of occupations and the smoking factor] Kleiner AI, et al. **Gig Sanit** 1984 Mar;(3):91 **(Rus)**

[Effect of alcohol and smoking on immunological reactivity] Shubik VM. **Gig Sanit** 1983 Oct;(10):59–63 (63 ref.) **(Rus)**

[Pulmonary tuberculosis and tobacco smoking] Kulachkovskiĭ IuV, et al. **Probl Tuberk** 1983 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Tobacco smoking and the organ of sight] Mozherenko VP, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):66–8 (71 ref.) **(Rus)**

[Current concepts on tobacco amblyopia] Nesterov AP, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):48–50 (13 ref.) (Eng. Abstr.) **(Rus)**

[Nitroblue–tetrazolium test in evaluating the functional activity of smokers' neutrophils] German AK, et al. **Vrach Delo** 1984 May;(5):56–8 **(Rus)**

[The living environment and childhood bronchial asthma] Radivojević S, et al. **Srp Arh Celok Lek** 1983 Apr; 111(4):469–74 **(Scc)**

[Justification for the determination of alpha 1-antitrypsin in the serum of patients with obstructive lung diseases (a review of smokers and nonsmokers)] Dizdarević Z, et al. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):99–102 (Eng. Abstr.) **(Scr)**

[The lung and the human living environment] Fortič B. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):10–21 (Eng. Abstr.) **(Scr)**

[Current views on the harmful effects of smoking on the respiratory system] Pardon R. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):78–80 (Eng. Abstr.) **(Scr)**

[Smoking and the biotransformation of drugs] Višňovský P. **Cas Lek Cesk** 1984 Feb 10;123(6):152 **(Slo)**

[Alcoholism and drug addiction in the child and the adolescent] Florenzano Urzúa R. **Rev Chil Pediatr** 1984 Mar–Apr;55(2):128–33 (Eng. Abstr.) **(Spa)**

[Opinions, attitudes and use of tobacco in a public health institution] Lara MA, et al. **Salud Publica Mex** 1984 Mar–Apr;26(2):122–9 (Eng. Abstr.) **(Spa)**

[More and more physicians have quit smoking, more and more have never been smokers] Bernow R, et al. **Lakartidningen** 1984 Mar 28;81(13):1316–20 **(Swe)**

HISTORY

Acayatl, ancient Aztec sorcerer. Anderson JR. **Ala Med** 1984 Feb;53(8):14, 17–18, 20

Landmark article March 15, 1958: Smoking and death rates—report on forty-four months of follow-up of 187,783 men. By E. Cuyler Hammond and Daniel Horn. **JAMA** 1984 Jun 1;251(21):2840–53

Landmark perspective: Smoking and death rates. Doll R. **JAMA** 1984 Jun 1;251(21):2854–7

The value of tobacco smoke in the treatment of intussusception. de Moulin D. **Neth J Surg** 1984 Apr; 36(2):57–9

When 'more doctors smoked Camels': cigarette advertising in the Journal. **NY State J Med** 1983 Dec;83(13):1347–52

PREVENTION & CONTROL

Laser-acupuncture reduces cigarette smoking: a preliminary report. Zalesskiy VN, et al. **Acupunct Electrother Res** 1983; 8(3–4):297–302

Urging the alcoholic client to quit smoking cigarettes. Bobo JK, et al. **Addict Behav** 1983;8(3):297–305

Joiners and non-joiners in smoking treatment: a comparison of psychosocial variables. Brod MI, et al. **Addict Behav** 1984;9(2):217–21

Biofeedback: a possible substitute for smoking, experiment I. Griffith EE, et al. **Addict Behav** 1983;8(3):277–85

Component analysis in smoking prevention research: effects of social consequences information. O'Neill HK, et al. **Addict Behav** 1983;8(4):419–23

Freedom line: increasing utilization of a telephone support service for ex-smokers. Ossip-Klein DJ, et al. **Addict Behav** 1984;9(2):227–30

An investigation of a minimal contact brand fading program for smoking treatment. Prue DM, et al. **Addict Behav** 1983; 8(3):307–10

A randomized trial comparing smoking cessation programs utilizing behaviour modification, health education or hypnosis. Rabkin SW, et al. **Addict Behav** 1984;9(2):157–73

A stage analysis of self-initiated smoking reductions. Rosen TJ, et al. **Addict Behav** 1983;8(3):263–72

Nicotine gum in smoking cessation: a placebo-controlled, double-blind trial. Schneider NG, et al. **Addict Behav** 1983; 8(3):253–61

Sampling bias due to consent procedures with adolescents. Severson HH, et al. **Addict Behav** 1983;8(4):433–7

High school smoking prevention: the relative efficacy of varied treatments and instructors. Perry CL, et al. **Adolescence** 1983 Fall;18(71):561–6

Physicians and the patient who smokes: motivational aspects. Hataway J, et al. **Ala Med** 1983 Nov;53(5):26–8

Rapid smoking therapy safe and effective in COPD and CHD patients [news] **Am Fam Physician** 1983 Dec;28(6):235–6

Effective treatment for smoking cessation. Choy DS, et al. **Am J Med** 1983 Dec;75(6):1033–6

Degree of addiction and effectiveness of nicotine gum therapy for smoking. Jarvik ME, et al. **Am J Psychiatry** 1984 Jun;141(6):790–1

Worksite smoking cessation programs: a potential for national impact. Stachnik T, et al. **Am J Public Health** 1983 Dec; 73(12):1395–6

Treatment of cigarette dependency. What American pulmonary physicians do. Sachs DP. **Am Rev Respir Dis** 1984 Jun;129(6):1010–3

Nicotine chewing gum and the medicalization of smoking. Blum A. **Ann Intern Med** 1984 Jul;101(1):121–3

The family physician's influence on patients' smoking habits. Hill D. **Aust Fam Physician** 1983 Sep;12(9):678–9

Children and smoking. A review. Sheehan TP. **Aust Fam Physician** 1983 Sep;12(9):685–7

Smoking cessation with behaviour therapy of acupuncture—a controlled study. Cottraux JA, et al. **Behav Res Ther** 1983; 21(4):417–24

Aversive smoking therapies: a conditioning analysis of therapeutic effectiveness. Erickson LM, et al. **Behav Res Ther** 1983;21(6):595–611

Prolonging the effects of deposit contracts with smokers. Paxton R. **Behav Res Ther** 1983;21(4):425–33

Tobacco smoking addiction: a challenge to the National Health Service. Webster C. **Br J Addict** 1984 Mar; 79(1):7–16

Health or smoking [editorial] **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1570–1

Effect of nicotine chewing gum as an adjunct to general practitioners' advice against smoking [letter] **Br Med J [Clin Res]** 1984 Jan 14;288(6411):145

Giving up smoking—are we giving up? [letter] Catford J, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1375–6

Puffability People: a new way to promote health. Dunn AG, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):960–2

Results of large scale media antismoking campaign in Australia: North Coast 'Quit for Life' programme. Egger G, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1125–8

Controlled trial of three different antismoking interventions in general practice. Jamrozik K, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1499–503

Antismoking intervention in general practice [letter] Ledwith F, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):49–50

Effect of nicotine chewing gum as an adjunct to general practitioner's advice against smoking. Russell MA, et al. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1782–5

Smoking and health education during pregnancy: evaluation of a program for women in prenatal classes. Langford ER, et al. **Can J Public Health** 1983 Jul–Aug;74(4):285–9

Is nicotine gum effective in treating patients who wish to quit smoking? **Colo Med** 1984 Apr;81(4):112–3

Nonsmoking in hospitals. AMA Council on Scientific Affairs. **Conn Med** 1984 May;48(5):297–305

Nicotine chewing gum. Cardoni AA. **Conn Med** 1984 Jun; 48(6):397–8

Toward a generation of non-smoking Canadians. Ouellet BL, et al. **Hygie** 1983 Jul;2(2):34–8

Legislation aimed at curbing the world smoking epidemic. Roemer R. **Hygie** 1983 Jul;2(2):54–6

The control of smoking: smoking rate in designated smoking and no-smoking areas. Dawley HH Jr, et al. **Int J Addict** 1983 Oct;18(7):1033–8

Enhancing decision behavior in high school 'smokers'. Lotecka L, et al. **Int J Addict** 1983 May;18(4):479–90

Use of a self-help smoking cessation manual as an adjunct to advice from a respiratory specialist. Pederson LL, et al. **Int J Addict** 1983 Aug;18(6):777–82

Smoking areas on school grounds: are we encouraging teenagers to smoke? Crow CS. **J Adolesc Health Care** 1984

Apr;5(2):117–9
Treatment procedures using hypnosis in smoking cessation programs: a review of the literature. Agee LL. **J Am Soc Psychosom Dent Med** 1983;30(4):111–26 (21 ref.)
The effects of scheduling format and booster sessions on a broad-spectrum psychosocial approach to smoking prevention. Botvin GJ, et al. **J Behav Med** 1983 Dec; 6(4):359–79
Mediating factors in the modification of smoking behavior. Goldberg J, et al. **J Behav Ther Exp Psychiatry** 1983 Dec; 14(4):325–30
Is there a future for smoking cessation programs? Stachnik TJ, et al. **J Community Health** 1981 Fall;7(1):47–56
Evaluation of a worksite-controlled smoking program. Glasgow RE, et al. **J Consult Clin Psychol** 1984 Feb; 52(1):137–8
Two-year efficacy and safety of rapid smoking therapy in patients with cardiac and pulmonary disease. Hall RG, et al. **J Consult Clin Psychol** 1984 Aug;52(4):574–81
Preventing relapse to cigarette smoking by behavioral skill training. Hall SM, et al. **J Consult Clin Psychol** 1984 Jun; 52(3):372–82
Self-efficacy and relapse in smoking cessation: a replication and extension. McIntyre KO, et al. **J Consult Clin Psychol** 1983 Aug;51(4):632–3
Long term effect of a school based antismoking programme. Murray M, et al. **J Epidemiol Community Health** 1984 Sep; 38(3):247–52
A one-year follow-up study of the Damon Group Hypnosis Smoking Cessation Program. Wagner TJ, et al. **J Okla State Med Assoc** 1983 Dec;76(12):414–7
The primary prevention of smoking onset: an inoculation approach. Shaffer H, et al. **J Psychoactive Drugs** 1983 Jul–Sep;15(3):177–84
Toward a global strategy to combat smoking: the 5th World Conference on Smoking and Health. Warner KE. **J Public Health Policy** 1984 Mar;5(1):28–39
A general practice approach to influencing smoking habits [editorial] **J R Coll Gen Pract** 1983 Sep;33(254):539–41
Sale of cigarettes to children in Exeter. Bradley NC. **J R Coll Gen Pract** 1983 Sep;33(254):559–62
Intervention against smoking and its relationship to general practitioners' smoking habits. Hallett R. **J R Coll Gen Pract** 1983 Sep;33(254):565–7
Smoking cessation: experience at sea using nicotine chewing gum and including a period of active service. Soul JO. **J R Nav Med Serv** 1984 Summer;70(2):91–3
A comparison of smoking related attitudes and behaviors among Kentucky public school children whose families are and are not involved in tobacco production. Higgins CW, et al. **J Sch Health** 1984 May;54(5):185–7
Health risk attitudes, beliefs and behaviors of students grades 7–12. O'Rourke T, et al. **J Sch Health** 1984 May;54(5):210–4
Primary prevention of tobacco smoking. Schinke SP, et al. **J Sch Health** 1983 Sep;53(7):416–9
Antismoking efforts by physicians [letter] Zeitlin DI. **JAMA** 1983 Dec 16;250(23):3161–2
Third World smoking—the new slave trade [editorial] **Lancet** 1984 Jan 7;1(8367):23–4
Physicians' attitudes in counseling patients about smoking. Wells KB, et al. **Med Care** 1984 Apr;22(4):360–5
Smoke still gets in your eyes [letter] **Med J Aust** 1984 Jun 23;140(13):797–8
Smoking [letter] **Med J Aust** 1983 Jul 23;2(2):59–62
Smoke gets in your eyes. Brass A. **Med J Aust** 1984 Apr 14;140(8):459
Learning from legislative disasters. The defeat of the Western Australian Government's Tobacco (Promotion and Sales) Bill. Peachment A. **Med J Aust** 1984 Apr 14;140(8):482–5
A study on the anti-smoking measures adopted by the local authorities in Malaysia, 1982. Lekhraj Rampal. **Med J Malaysia** 1983 Sep;38(3):203–5
The Samuel C. Harvey memorial lecture: Progress and responsibilities of educators in smoking control. Schuman LM. **Med Pediatr Oncol** 1983;11(6):375–82
Effectiveness of isolation in the reduction of cigarette smoking. Deaton JE. **Milit Med** 1983 Sep;148(9):750–3
Smoking and public policy [letter] Lutschg JH. **N Engl J Med** 1984 Jul 26;311(4):260
Smoking in the hospital [letter] Weiss B. **N Engl J Med** 1984 Jun 7;310(23):1532–3
Not so simple [letter] Cumper GE. **Nature** 1984 Mar 29–Apr 4;308(5958):397
Doctors who smoke. Bates RC. **NY State J Med** 1983 Dec; 83(13):1294
Alton Ochsner, MD, 1896–1981. He cleared the air. Blum A. **NY State J Med** 1983 Dec;83(13):1251
Cigarette smoking and its promotion: editorials are not enough. Blum A. **NY State J Med** 1983 Dec;83(13):1245–7
The spirit of Chadwick. Budnick LD. **NY State J Med** 1983 Dec;83(13):1345–6
Clean indoor-air legislation: the Illinois experience. Burchard LL. **NY State J Med** 1983 Dec;83(13):1303
Policy over politics. The first statement on smoking and health by the Surgeon General of the United States Public Health Service. Burney LE. **NY State J Med** 1983 Dec; 83(13):1252–3
BUGA-UP (Billboard Utilizing Graffitists Against Unhealthy Promotions). An Australian movement to end cigarette advertising. Chesterfield-Evans A. **NY State J Med** 1983 Dec;83(13):1333–4
The transnational tobacco and alcohol conglomerates. A world oligopoly. Clairmonte FF. **NY State J Med** 1983 Dec;83(13):1322–3
Are physicians to blame if patients smoke? Cohen SB. **NY State J Med** 1983 Dec;83(13):1295
The research smokescreen. Moving from academic debate to action on smoking. Coleman M. **NY State J Med** 1983 Dec;83(13):1280–1
'Precious baby'. Cromer MA. **NY State J Med** 1983 Dec; 83(13):1292–3
Aspects of smoking in developing countries in Africa. Femi-Pearse D. **NY State J Med** 1983 Dec;83(13):1312–3
Cigarette advertising and The New York Times: an ethical issue that's unfit to print? Gitlitz G. **NY State J Med** 1983 Dec;83(13):1284–91
Health versus greed. Godber GE. **NY State J Med** 1983 Dec; 83(13):1248–9
The New York Cigarette Fire Safety Act. Grannis AB. **NY State J Med** 1983 Dec;83(13):1299
The Minnesota Clean Indoor Air Act. A model for New York and other states. Kahn PL. **NY State J Med** 1983 Dec;83(13):1300–1
The systemic and coronary hemodynamic response to cigarette smoking. Klein LW, et al. **NY State J Med** 1983 Dec;83(13):1264–6
A dialogue with Surgeon General Koop: confronting America's most costly health problem [interview by Alan Blum] Koop CE. **NY State J Med** 1983 Dec;83(13):1260–3
Culpable negligence: a case for the courts? Lessof MH. **NY State J Med** 1983 Dec;83(13):1282–3
Smoking or health: the Brazilian option. Lokschin FL, et al. **NY State J Med** 1983 Dec;83(13):1314–6
Why Uncle Sam is still smoking. Lutschg JH. **NY State J Med** 1983 Dec;83(13):1278–9
Cigarettes and fire deaths. McGuire A. **NY State J Med** 1983 Dec;83(13):1296–8
The environmental impact of tobacco production in developing countries. Madeley J. **NY State J Med** 1983 Dec;83(13):1310–1
Preventing tomorrow's epidemic. The control of smoking and tobacco production in developing countries. Muller M. **NY State J Med** 1983 Dec;83(13):1304–9
Helping patients withdraw from smoking. Murphy GP, et al. **NY State J Med** 1983 Dec;83(13):1353–4
India's shame. A war on smallpox but a welcome for cigarettes. Nath UR. **NY State J Med** 1983 Dec; 83(13):1320–1
The politics of tobacco: curse and cure. Pertschuk M. **NY State J Med** 1983 Dec;83(13):1275–7
Community-based strategies to fight smoking. Experiences from the North Karelia project in Finland. Puska P, et al. **NY State J Med** 1983 Dec;83(13):1335–8
A positive health strategy for the office waiting room. Richards JW Jr. **NY State J Med** 1983 Dec;83(13):1358–60
Ending the cigarette pandemic. Richmond JB. **NY State J Med** 1983 Dec;83(13):1259
'Less hazardous' cigarettes: fact or fiction? Rickert WS. **NY State J Med** 1983 Dec;83(13):1269–72
Myths and realities of smoking cessation. Schwartz JL. **NY State J Med** 1983 Dec;83(13):1355–7
Women and children last? Attitudes toward cigarette smoking and nonsmokers' rights, 1971. Steinfeld JL. **NY State J Med** 1983 Dec;83(13):1257–8
A warning against complacency. Stewart WH. **NY State J Med** 1983 Dec;83(13):1256
A physician-led referendum for cleaner air in Florida. Tate CF Jr. **NY State J Med** 1983 Dec;83(13):1302
Smoking in Malaysia. Promotion and control. Teoh SK. **NY State J Med** 1983 Dec;83(13):1317–9
The Surgeon General's first report on smoking and health. A challenge to the medical profession. Terry LL. **NY State J Med** 1983 Dec;83(13):1254–5
The economics of smoking: dollars and sense. Warner KE. **NY State J Med** 1983 Dec;83(13):1273–4
Smoking among children [letter] Kent D. **NZ Med J** 1984 Sep 12;97(763):619
Talking with patients about smoking. Newman IM. **NZ Med J** 1983 Nov 9;96(743 Pt 2):934–7
Economics and court decisions leading to smoke-free workplace. Goerth CR. **Occup Health Saf** 1984 Jul–Aug; 53(7):24, 27
An anti-smoking movement for Papua New Guinea. Smith D. **Papua New Guinea Med J** 1983 Mar;26(1):59–61
Smoking: the evidence grows but still no action [editorial] **Practitioner** 1984 Feb;228(1388):127, 129
Acupuncture and group therapy in stopping smoking. Gillams J, et al. **Practitioner** 1984 Mar;228(1389):341–4
Self-control skills for smoking prevention. Gilchrist LD, et al. **Prog Clin Biol Res** 1984;156:125–30
Pharmacists' role in smoking prevention and cessation. McCormick-Pickett N, et al. **Prog Clin Biol Res** 1983; 130:99–102
Self change processes, self efficacy and decisional balance across five stages of smoking cessation. Prochaska JO, et al. **Prog Clin Biol Res** 1984;156:131–40
Smoking among U. S. Navy enlisted men: some contributing factors. Burr RG. **Psychol Rep** 1984 Feb;54(1):287–94
Self-efficacy and cessation of smoking. Coelho RJ. **Psychol Rep** 1984 Feb;54(1):309–10
Smoking extinction: smoke-them-out-of-pleasure (STOP) technique. Ganesan V. **Psychol Rep** 1984 Feb;54(1):216
Reducing the risk of smoking amongst the young. Gillies PA, et al. **Public Health** 1984 Jan;98(1):49–54
Smoking amongst nurses in Newcastle in 1982. Liddell I, et al. **Public Health** 1983 Sep;97(5):246–56
The smoking and dietary behaviour of Lambeth schoolchildren. I. The effectiveness of an anti-smoking and nutrition education programme for children. Murray M, et al. **Public Health** 1984 May;98(3):163–72
Health promotion: Smoking control. **Public Health Rep** 1983 Sep–Oct;Suppl:107–116
A minimal-contact smoking cessation program in a health care setting. Strecher VJ. **Public Health Rep** 1983 Sep–Oct; 98(5):497–502
Smoking among Norwegian schoolchildren 1975–1980. III. The effect of anti-smoking campaigns. Aarø LE, et al. **Scand J Psychol** 1983;24(4):277–83
Discouraging the smoking habit [letter] Staats CE. **W Va Med J** 1984 Feb;80(2):37
A positive approach to smoking prevention and cessation. Mason JO, et al. **West J Med** 1983 Nov;139(5):721–2
Smoking control strategies in developing countries. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1983; 695:7–92
[Smoking and the prevention of respiratory diseases] Macklem P. **Bull Int Union Tuberc** 1983 Mar;58(1):59–61 **(Fre)**
[Breaking the habit of smoking with a nicotine-containing chewing gum] Toomes H, et al. **Prax Klin Pneumol** 1983 Jul;37(7):273–7 (Eng. Abstr.) **(Ger)**
[Improvement of motivation for smoking withdrawal in individuals with genetic risk factors for the development of lung cancer] Trell E, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:687–90 (Eng. Abstr.) **(Ger)**
[Smoking, obesity and weight loss] Thürmer H, et al. **Tidsskr Nor Laegeforen** 1984 Jan 10;104(1):9–12 (Eng. Abstr.) **(Nor)**
[Short-term results of treatment of smoking habit by acupuncture] Frydrychowski A, et al. **Psychiatr Pol** 1984 Jan–Feb;18(1):31–4 (Eng. Abstr.) **(Pol)**
[Ear reflexotherapy in controlling smoking] Magomedov ShM. **Voen Med Zh** 1984 Jul;(7):53 **(Rus)**
[Treatment of nicotinism] Marakulin VS, et al. **Voen Med Zh** 1984 Jan;(1):55–8 **(Rus)**
[Public information media in Bosnia and Herzegovina and the prevention of dependency diseases] Omanić A. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):74–7 **(Scr)**

SMOKING, PASSIVE see **TOBACCO SMOKE POLLUTION**

SNAILS

Control of schistosomiasis in large irrigation schemes by use of niclosamide. A ten-year study in Zimbabwe. Evans AC. **Am J Trop Med Hyg** 1983 Sep;32(5):1029–39
Marking snails with nail varnish as a field experimental technique. Fenwick A, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):387–90
[Studies on the correlation between Oncomelania snail population and the size of the total snail population] He SY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):102–5 (Eng. Abstr.) **(Chi)**
[Investigation on the fluctuation of the density of Oncomelania snails in grassy lands of Boyang Lake] Lan ZH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):57 **(Chi)**
[Planorbid distribution and the prevalence of schistosomiasis mansoni in the State of Espírito Santo] Paraense WL, et al. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep;78(3):373–84 (Eng. Abstr.) **(Por)**
[Zoogeographic aspects of the genus Emoda (Gastropoda, Prosobranchia: Helicinidae) in Cuba] Mesa García R. **Rev Cubana Med Trop** 1983 Sep–Dec;35(3):317–26 (Eng. Abstr.) **(Spa)**

ANALYSIS

Complex organization of a cryptic satellite DNA in the genome of the marine invertebrate Rapana thomasiana Grosse (Gastropoda). Markova NG, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):7–14
Accumulation of fallout nuclides and natural radioactivity in Austrian snails. Tatzber F, et al. **Health Phys** 1984 Feb; 46(2):448–52
Detection of snail hemocyanin in the whole hemolymph by serologically specific electron microscopy. Gaspar JO, et al. **Immunol Lett** 1983 Jun;6(6):323–5
[Immunocytologic detection of material related to various vertebrate peptides in the nerve ring of the snail (Helix aspersa Müller)] Marchand CR, et al. **J Physiol (Paris)** 1982;78(6):595–8 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Identification and pharmacological characteristics of the two giant neurons, v-RPLN and v-VNAN, on the ventral surface in the suboesophageal ganglia of the African giant snail (Achatina fulica Férussac). Ku BS, et al. **Comp Biochem Physiol [C]** 1984;77(2):315–21
Identification of three further giant neurons, r-APN, INN and FAN, in the caudal part on the dorsal surface of the suboesophageal ganglia of Achatina fulica Férussac. Ku BS, et al. **Comp Biochem Physiol [C]** 1983;76(1):99–106

Distinguishing Helisoma (Seminolina) duryi from Biomphalaria alexandrina in Egypt. Yousif F, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):465–73

Intracisternal tubules and intramitochondrial filaments in cells of a snail, Limnaea. Kessel RG, et al. **Tissue Cell** 1984; 16(3):405–10

Light- and electron-microscopic investigations into the gastro-intestinal nervous system of the vineyard snail (Helix pomatia). Abrahám A. **Z Mikrosk Anat Forsch** 1983; 97(4):688–704

Asymmetries of the neuronal system innervating the tentacles of a gastropod mollusc (Planorbis corneus L.). Lombardo F, et al. **Z Mikrosk Anat Forsch** 1984;98(2):218–24

CLASSIFICATION

A species of the Indoaustralian genus Amerianna (Pulmonata: Gastropoda) occurring in Africa. Jelnes JE, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):451–2

DRUG EFFECTS

Relationship of alkaline stress and acute copper toxicity in the snail Goniobasis livescens (Menke). Paulson PC, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):719–26

EMBRYOLOGY

Protein synthesis during Ilyanassa organogenesis. Collier JR. **Dev Biol** 1983 Nov;100(1):256–9

ENZYMOLOGY

Rhythmic succinate dehydrogenase activity in the slug, Laevicaulis alte (Ferussac, 1821). Pavan Kumar T, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):489–94

Rhythm in acetylcholine-acetylcholinesterase system in the slug, Laevicaulis alte (Ferussac, 1821). Pavan Kumar T, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):495–502

Non-specific adenylate deaminase from snail foot muscle. Stankiewicz AJ. **Adv Exp Med Biol** 1984;165 Pt B:457–64

Direct deamination of AMP, ADP, ATP and NADH by non-specific adenylate deaminase in the foot muscle of the snail Helix pomatia. Stankiewicz AJ. **Biochem J** 1983 Oct 1;215(1):39–44

[Snail beta-D-mannosidase] Sugahara K, et al. **Tanpakushitsu Kakusan Koso** 1983 Nov;28(12):1346–8 **(Jpn)**

GENETICS

Protein polymorphism in the fresh water snail Semisulcospira libertina. Kimura M, et al. **Anim Blood Groups Biochem Genet** 1984;15(1):71–6

Nucleotide sequences of the 5.8S rRNAs of a mollusc and a porifer, and considerations regarding the secondary structure of 5.8S rRNA and its interaction with 28S rRNA. Ursi D, et al. **Nucleic Acids Res** 1983 Nov 25; 11(22):8111–20

IMMUNOLOGY

A new cold agglutinin from Achatina fulica snails. Sarkar M, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):286–9

A precipitin for human serum proteins as released under stress by a marine invertebrate, the marsh snail, Littorina irrorata. Smith AC. **Dev Comp Immunol** 1984 Spring;8(2):273–82

METABOLISM

Uptake, accumulation, and elimination of HCB and 2,4-D by the terrestrial slug, Deroceras reticulatum (Müller). Haque A, et al. **Bull Environ Contam Toxicol** 1983 Dec; 31(6):727–33

Dopamine in a molluscan nervous system: synthesis and fluorescence histochemistry. Trimble DL, et al. **J Neurobiol** 1984 Jan;15(1):27–36

PARASITOLOGY

An introductory guide to the identification of cercariae from African freshwater snails with special reference to cercariae of trematode species of medical and veterinary importance. Frandsen F, et al. **Acta Trop (Basel)** 1984 Jun;41(2):181–202

Distribution of Helisoma duryi, an introduced competitor of intermediate hosts of schistosomiasis, in an irrigation scheme in northern Tanzania. Madsen H. **Acta Trop (Basel)** 1983 Sep;40(3):297–306

Some new molluscan hosts of Dicrocoelium dendriticum in Spain. Alunda JM, et al. **Ann Parasitol Hum Comp** 1984; 59(1):57–62

Further observations on the urban Schistosoma mansoni focus in Kinshasa, Zaire. Gryseels B, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):341–6

Angiostrongyliasis in Port Moresby, Papua New Guinea. Scrimgeour EM. **Aust NZ J Med** 1983 Dec;13(6):644–6

Inexpensive biological control of schistosome transmission in Montebello, Puerto Rico. Jobín WR, et al. **Bol Asoc Med PR** 1984 Apr;76(4):157–60

Histochemical and thin-layer chromatographic analyses of neutral lipids in various host sites infected with Leucochloridiomorpha constantiae (Trematoda). Fried B, et al. **Comp Biochem Physiol [B]** 1984;78(1):175–7

Pirenella conica and heterophyiasis in one of the beaches of Matrouh, Egypt. Ahmed TH, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):219–22

The freshwater Ampullariid snail Lanistes carinatus as a natural intermediate host of Angiostrongylus cantonensis in Egypt. Ibrahim A, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):117–24

Schistosomiasis in Swaziland—a comparative study of three irrigated estates. Logan JW. **J Helminthol** 1983 Sep; 57(3):247–53

A comparative study of the life-histories of mammalian schistosomes. Loker ES. **Parasitology** 1983 Oct;87 (Pt 2):343–69 (152 ref.)

Control of the snail hosts of schistosomiasis by environmental manipulation: a field and laboratory appraisal in the Ibadan area, Nigeria. Thomas JD, et al. **Philos Trans R Soc Lond [Biol]** 1984 Mar 27; 305(1123):201–53 (194 ref.)

Snails, schistosomiasis, and irrigation in the tropics. Dzik AJ. **Public Health** 1983 Jul;97(4):214–7

On the regulation of schistosomiasis by the effects of the parasite on the snail host. Bezerra Coutinho FA, et al. **Rev Bras Biol** 1983 Aug;43(3):283–90

Schistosoma incognitum and its zoonotic potential role in Phitsanulok and Phichit provinces, northern Thailand. Bunnag T, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):163–70

Susceptibility of snail vectors to Oriental anthropophilic Schistosoma. Yuan HC, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):86–94

[Epidemiological importance of Oncomelania snail in marshlands in and along Yangtze River in the spread of schistosomiasis japonica in Jiangsu Province] He SY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):32–5 (Eng. Abstr.) **(Chi)**

[Ecological observations on two species of Tricula, the first intermediate host of Paragonimus in west Hubei] Zhang SK. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):57 **(Chi)**

[Redescription of Cercaria setifera F.S. Monticelli, 1914 (nec J. Müller) (Trematoda), a parasite of Conus ventricosus Hwass; comparison with various ophthalmotrichocercous cercariae from the western Mediterranean] Bartoli P. **Ann Parasitol Hum Comp** 1984;59(2):161–76 (Eng. Abstr.) **(Fre)**

[Cercarial chaetotaxy of a Korean strain of Clonorchis sinensis. Probable presence of this trematode in Africa] Bayssade-Dufour C, et al. **Ann Parasitol Hum Comp** 1982; 57(4):361–6 (Eng. Abstr.) **(Fre)**

[Estimation of the infestation of mollusks by protostrongylids: parameters used and their interrelation] Cabaret J. **Ann Parasitol Hum Comp** 1982;57(4):367–74 (Eng. Abstr.) **(Fre)**

[Dose as the determining factor for the size of the parasite population in the Muellerius capillaris/Cernuella cespitum arigonis system (Nematoda, Protostrongylidae/Mollusca, Stylommatophora] Reguera-Feo A, et al. **Angew Parasitol** 1983 Aug;24(3):129–34 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Nerve growth-promoting factor produced in culture media conditioned by specific CNS tissues of the snail Helisoma. Wong RG, et al. **Brain Res** 1984 Jan 30;292(1):81–91

Electrotonic coupling and afterdischarges in the Light Green Cells: a comparison with two other cerebral ganglia neurosecretory cell types in the pond snail. Lymnaea stagnalis. Benjamin PR, et al. **Comp Biochem Physiol [A]** 1984;77(1):67–74

The phase relationship of glycogen and free fatty acids in tissues of aestivating giant African snails (Achatina achatina). Umezurike GM, et al. **Comp Biochem Physiol [B]** 1984;78(2):461–6

Effects of synthetic ergot derivatives on the two identifiable giant neurons, sensitive to dopamine, of Achatina fulica Ferussac. Ku BS, et al. **Comp Biochem Physiol [C]** 1983; 76(2):291–6

Specificity of ovulation hormones of some basommatophoran species studied by means of iso- and heterospecific injections. Dogterom GE, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):121–5

Effect of thyrotropin-releasing hormone (TRH) on the synthesis and secretion of polysaccharides by the integument of gastropods. Grimm-Jørgensen Y, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):23–9

Male gonadotrophic factor in brain and blood of photoperiodically stimulated slugs. Melrose GR, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):319–28

Calcium current activation kinetics in neurones of the snail Lymnaea stagnalis. Byerly L, et al. **J Physiol (Lond)** 1984 Mar;348:187–207

Neural consequences of experience in Pleurobranchaea californica. Davis WJ. **J Physiol (Paris)** 1982–83; 78(8):793–8

GABA and lioresal actions on the identified Onchidium neuron. Shimizu N, et al. **Jpn J Physiol** 1983;33(3):459–67

Tolerance to the morphine-influenced thermal response in the terrestrial snail, Cepea nemoralis. Kavaliers M, et al. **Neuropharmacology** 1983 Nov;22(11):1321–6

Plasticity of the receptive field of a molluscan polyfunctional neuron. Arakelov GG, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):302–6

Organization of sensory input of command neurons. Bravarenko NI, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):269–74

Multiple release of peptides by electrically active neurosecretory caudo-dorsal cells of Lymnaea stagnalis. Geraerts WP, et al. **Neurosci Lett** 1983 Oct 31; 41(1–2):151–5

Effect of gamma irradiation on the reproductive system of the pond snail Physa acuta. Fujita S, et al. **Radiat Res** 1984 May;98(2):362–9

[A discrete type of potassium channel conductance in snail neurons] Geletiuk VI, et al. **Biofizika** 1983 Nov–Dec; 28(6):994–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structure of the female reproductive tract of the apple snail. II. Scanning electron microscopy. Vermeire PE, et al. **Tissue Cell** 1984;16(1):107–14

SNAKE BITES

[Poisonous snake bites (Reptilia-Serpientes-Colubridae)] Jaume ML. **Rev Cubana Med Trop** 1983 May–Aug; 35(2):224–30 (Eng. Abstr.) **(Spa)**

BLOOD

Cross-reactivity of bardick snake venom with death adder antivenom. Marshall LR, et al. **Med J Aust** 1984 Apr 28; 140(9):541–2

COMPLICATIONS

Fatal snakebite in Australia. White J, et al. **Am J Forensic Med Pathol** 1984 Jun;5(2):137–43

Acute renal failure following poisonous snakebite. Chugh KS, et al. **Am J Kidney Dis** 1984 Jul;4(1):30–8

Myotoxic paralysis and hemolytic anemia due to king brown snake bite [letter] Campbell CH. **Aust NZ J Med** 1984 Apr; 14(2):169

Fibrinogenolytic afibrinogenemia after envenomation by western diamondback rattlesnake (Crotalus atrox). Budzynski AZ, et al. **Blood** 1984 Jan;63(1):1–14

Prolonged defibrination after a bite from a 'nonvenomous' snake. Cable D, et al. **JAMA** 1984 Feb 17;251(7):925–6

Scorpion venom and multiple sclerosis [letter] Breland AE, et al. **Lancet** 1983 Oct 29;2(8357):1021

Anaphylaxis in pregnancy. Entman SS, et al. **South Med J** 1984 Mar;77(3):402

[An unusual syndrome of snake bite poisoning] Guidarelli P, et al. **Minerva Anestesiol** 1983 Jun;49(6):399–402 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Immunological stability of an elapid venom, Tropidechis carinatus, and its relevance to the clinical detection of snake venom. Morrison JJ, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):489–95

A double antibody sandwich micro-ELISA kit for the rapid diagnosis of snake bite. Dhaliwal JS, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):367–73

[Verified case of poisoning with the venom of the Central Asian cobra (Naja oxiana Eichw., 1831)] Kudriavtsev SV. **Ter Arkh** 1983;55(11):113–4 **(Rus)**

ETIOLOGY

Snake bite poisoning: a preliminary report. Saini RK, et al. **J Assoc Physicians India** 1984 Feb;32(2):195–7

IMMUNOLOGY

Protective effect of snake venom antibodies in sera of previous snake bite victims. Theakston RD, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):311–4

METABOLISM

Protease inhibitors in serum and urine of snakebite victims. Bhat AR, et al. **Biochem Med** 1983 Aug;30(1):1–7

OCCURRENCE

Puff adder bite: a case presentation. Hamby JA, et al. **Del Med J** 1983 Oct;55(10):579–81

[Estimate of the population at risk of Habu bites in Amami Islands] Wakisaka I, et al. **Nippon Eiseigaku Zasshi** 1983 Jun;38(2):614–22 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Ultrastructural study of the local changes induced in the white rat by the venom of Bothrops picadoi of Costa Rica] Arroyo O, et al. **Toxicon** 1984;22(2):301–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Russell's viper bite in Sri Lanka. A study of 22 cases. Jeyarajah R. **Am J Trop Med Hyg** 1984 May;33(3):506–10

Reptile envenomations. Kunkel DB, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):503–26 (40 ref.)

[Electrocardiographic changes in snake bite] Herdoiza GL, et al. **Arq Bras Cardiol** 1983 May;40(5):319–23 (Eng. Abstr.) **(Por)**

SURGERY

Rattlesnake bites and surgical decompression: results using a laboratory model. Garfin SR, et al. **Toxicon** 1984; 22(2):177–82

THERAPY

When a snake bites. Thompson SW, et al. **Am J Nurs** 1984 May;84(5):620–3

Prevention and treatment of snakebite [letter] **Ann Emerg Med** 1984 Mar;13(3):215–6

Venomous snakebite in a patient allergic to horse serum. Otten EJ, et al. **Ann Emerg Med** 1983 Oct;12(10):624–7

Snakebite in the United States [editorial] Podgorny G. **Ann Emerg Med** 1983 Oct;12(10):651–3

Cobra envenomation: an uncommon emergency. Stueven H, et al. **Ann Emerg Med** 1983 Oct;12(10):636–8

The management of snake bite. Reid HA, et al. **Bull WHO** 1983;61(6):885–95

Snakebites in South Carolina. McHugh TP, et al. **J SC Med Assoc** 1984 Jul;80(7):323–7

Successful venomous snakebite neutralization with massive antivenin infusion in a child. Buntain WL. **J Trauma** 1983 Nov;23(11):1012–4

Sea snake envenomation at Bondi. Fulde GW, et al. **Med J Aust** 1984 Jul 7;141(1):44–5

Treatment of venomous snakebites in the Western Hemisphere. Arnold RE. **Milit Med** 1984 Jul;149(7):361–5

Immunization against snake venoms [letter] New RR, et al. **N Engl J Med** 1984 Jul 5;311(1):56–7

Evaluation of the Venom Ex apparatus in the treatment of Egyptian cobra envenomation. A study in rabbits. Reitz CJ, et al. **S Afr Med J** 1984 Jul 28;66(4):135–8

Snakebite treatment [letter] **South Med J** 1984 Feb; 77(2):279–80

Russell's viper venom levels in serum of snake bite victims in Burma. Khin Ohn Lwin, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):165–8

Snakebite in the tropics: experience in Makurdi, Nigeria. Idoko A, et al. **Trop Geogr Med** 1984 Jun;36(2):175–80

Rattlesnake bites in Northern California. Butner AN. **West J Med** 1983 Aug;139(2):179–83

Rattlesnake bites [letter] Wingert WA. **West J Med** 1984 Jan; 140(1):100–1

[A case of bite by Naja Naja Naja in India. Problems posed by the treatment of snake bites] Lagraulet J. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):216–21 (Eng. Abstr.) **(Fre)**

[Intensive therapy with the use of hemosorption after snake bites in children] Zhdanov GG, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):61–2 (Eng. Abstr.) **(Rus)**

[Experience with the treatment of poisonous snake bites] Sultanov MN. **Klin Med (Mosk)** 1983 Jul;61(7):105–9 (Eng. Abstr.) **(Rus)**

[A critical look at the therapeutic procedures in snake bites] Milišić D, et al. **Vojnosanit Pregl** 1983 Sep–Oct;40(5):352–4 (Eng. Abstr.) **(Scr)**

[Serum therapy after viper bites] Persson H, et al. **Lakartidningen** 1984 Jul 25;81(30–31):2752 **(Swe)**

SNAKE VENOMS

Nmr analysis of structure and function of snake neurotoxins. Miyazawa T, et al. **Biopolymers** 1983 Jan;22(1):139–45

Coagulant and anticoagulant actions of Australian snake venoms. Marshall LR, et al. **Thromb Haemost** 1983 Oct 31;50(3):707–11

ANALYSIS

Development of simple standard assay procedures for the characterization of snake venom. Theakston RD, et al. **Bull WHO** 1983;61(6):949–56

Snake venom detection kit. McCarthy NJ. **Med J Aust** 1984 Apr 28;140(9):518

Preliminary studies on the venom of the colubrid snake Rhabdophis subminatus (red-necked keelback). Ferlan I, et al. **Toxicon** 1983;21(4):570–4

The application of immunoassay techniques, including enzyme-linked immunosorbent assay (ELISA), to snake venom research. Theakston RD. **Toxicon** 1983;21(3):341–52 (52 ref.)

IMMUNOLOGY

Detection of antibodies to myotoxin a and prairie rattlesnake (Crotalus viridis viridis) venom in three antisera using enzyme-linked immunosorbent assay and immunodiffusion. Ownby CL, et al. **Toxicon** 1983;21(6):849–55

PHARMACODYNAMICS

Enhancement of adenosine 3',5'-monophosphate in human mononuclear and polymorphonuclear leukocytes by snake venoms. Stolc V. **Am J Hematol** 1984 Aug;17(2):105–12

Dissociation of pharmacological and enzymatic activities of snake venom phospholipases A2 by modification of carboxylate groups. Rosenberg P, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3525–30

Characterization of a snake venom neurotoxin which blocks nicotinic transmission in the avian ciliary ganglion. Loring RH, et al. **Neuroscience** 1984 Apr;11(4):989–99

The use of prothrombin activating snake venoms to measure human prethrombin 2: absence of prethrombin 2 in serum. Aronson DL, et al. **Thromb Res** 1984 Jun 1;34(5):419–29

POISONING

Reptile envenomations. Kunkel DB, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):503–26 (40 ref.)

TOXICITY

Biochemical, hematological, and histological changes in B6C3F1 mice after intramuscular administration of PROven. Suber RL, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):641–51

Variation in yield and lethality of venoms from Iranian snakes. Latifi M. **Toxicon** 1984;22(3):373–80

Local necrotizing effect of snake venoms on skin and muscle: relationship to serum creatine kinase. Mebs D, et al. **Toxicon** 1983;21(3):393–404

Lethal potency in mice of toxins from scorpion, sea anemone, snake and bee venoms following intraperitoneal and intracisternal injection. Schweitz H. **Toxicon** 1984; 22(2):308–11

SNAKES

Colono-uterine fistula in a rhinoceros viper. Jacobson ER, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1309–10

Egg retention in snakes. Millichamp NJ, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1213–8 (30 ref.)

Herpesvirus-like infection in two young boas. Hauser B, et al. **J Comp Pathol** 1983 Oct;93(4):515–9

Reptile envenomations. Kunkel DB, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):503–26 (40 ref.)

Preliminary study on the use of ceftazidime, a broad spectrum cephalosporin antibiotic, in snakes. Lawrence K, et al. **Res Vet Sci** 1984 Jan;36(1):16–20

Praziquantel as a taeniacide in snakes. Lawrence K. **Vet Rec** 1983 Aug 27;113(9):200

[Poisonous snake bites (Reptilia-Serpientes-Colubridae)] Jaume ML. **Rev Cubana Med Trop** 1983 May–Aug; 35(2):224–30 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Reticulospinal and vestibulospinal pathways in the snake Python regius. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1983;168(2):277–89

A crossed rubrobulbar projection in the snake Python regius. Ten Donkelaar HJ, et al. **Brain Res** 1983 Nov 21; 279(1–2):229–32

An immunocytochemical study of endocrine pancreas of snakes. Buchan AM. **Cell Tissue Res** 1984;235(3):657–61

Vagal afferent C fibers projecting to the lateral descending trigeminal complex of crotaline snakes. Kishida R, et al. **Exp Brain Res** 1984;53(2):315–9

Fine structure and organization of the infrared receptor relays: lateral descending nucleus of V in Boidae and nucleus reticularis caloris in the rattlesnake. Meszler RM. **J Comp Neurol** 1983 Nov 1;220(3):299–309

A light and electron microscope study of the basal optic system in the reptile Vipera aspis. Rio JP, et al. **J Hirnforsch** 1983;24(4):447–69

BLOOD

Lability of blood volume in snakes and its relation to activity and hypertension. Lillywhite HB, et al. **J Exp Biol** 1984 May;110:267–74

Serum chemistry of the diamond-backed water snake (Nerodia rhombifera rhombifera) in Arkansas. McDaniel RC, et al. **J Wildl Dis** 1984 Jan;20(1):44–6

CLASSIFICATION

A case of mistaken identity [editorial] Cogger HG. **Med J Aust** 1983 Jul 23;2(2):52–3

Can Australians identify snakes? Morrison JJ, et al. **Med J Aust** 1983 Jul 23;2(2):66–70

Classification of Agkistrodon species in China. Chen YC, et al. **Toxicon** 1984;22(1):53–61

EMBRYOLOGY

Calcium metabolism in embryos of the oviparous snake Coluber constrictor. Packard MJ, et al. **J Exp Biol** 1984 May;110:99–112

GENETICS

Hemoglobin fingerprint correspondence and relationships of Taiwan common venomous snakes. Mao SH, et al. **Comp Biochem Physiol [B]** 1984;78(1):85–92

GROWTH & DEVELOPMENT

[Enamel formation in Takydromus tachydromoides] Shikano T, et al. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):655 **(Jpn)**

IMMUNOLOGY

Complement in the serum and venom of Brazilian snakes (Crotalidae). Dias da Silva W, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:97–103

Antigenic relationships between human and cobra complement factors C3 and cobra venom factor (CVF) from the Indian cobra (Naja naja). Eggertsen G, et al. **J Immunol** 1983 Oct;131(4):1920–3

METABOLISM

Water-permeable and -impermeable barriers of snake distal tubules. Beyenbach KW. **Am J Physiol** 1984 Mar;246(3 Pt 2):F290–9

Immunocytochemical localization of four hormones in the pancreas of the garter snake, Thamnophis sirtalis. Rhoten WB. **Anat Rec** 1984 Feb;208(2):233–42

Organochlorine residue levels in Mississippi River water snakes in southern Louisiana. Sabourin TD, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):460–8

A comparative study of actins of different vertebrates. Singh VB, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):46–9

MICROBIOLOGY

A preliminary study on the use of carbenicillin in snakes. Lawrence K, et al. **J Vet Pharmacol Ther** 1984 Jun; 7(2):119–24

Studies on Japanese encephalitis virus infection of reptiles. I. Experimental infection of snakes and lizards. Oya A, et al. **Jpn J Exp Med** 1983 Apr;53(2):117–23

Observations of bacterial diseases of captive snakes in Finland. Soveri T. **Nord Vet Med** 1984 Jan–Feb; 36(1–2):38–42

Arizona hinshawii osteomyelitis associated with a pet snake [letter] Croop JM, et al. **Pediatr Infect Dis** 1984 Mar–Apr; 3(2):188

PARASITOLOGY

Morphological and developmental studies of the snake trypanosome Trypanosoma hydrae Ayala, Atkinson, Vakalis, 1983 in experimentally infected hosts and in culture. Chia NM, et al. **J Protozool** 1984 May;31(2):352–6

Host specificity and host range of the genus Sarcocystis in three snake-rodent life cycles. Häfner U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):296–9

PHYSIOLOGY

Fatal snakebite in Australia. White J, et al. **Am J Forensic Med Pathol** 1984 Jun;5(2):137–43

Pulse-wave propagation in the arterial system of the diamond python Morelia spilotes. Avolio AP, et al. **Am J Physiol** 1983 Dec;245(6):R831–6

Effect of bilateral vagotomy on the ventilatory responses of the water snake Nerodia sipedon. Gratz RK. **Am J Physiol** 1984 Feb;246(2 Pt 2):R221–7

Oxygen storage capacity and tolerance of submergence of a non-aquatic reptile and an aquatic reptile. Ferguson JH, et al. **Comp Biochem Physiol [A]** 1984;77(1):183–7

Xanthine:NAD+ oxidoreductase in the liver of grass snake Natrix natrix. Kamiński ZW, et al. **Comp Biochem Physiol [B]** 1984;78(2):447–51

Erythropoietin, testosterone, and thyroxine in the erythropoietic response of the snake, Xenochrophis piscator. Pati AK, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):370–4

Hypotensive actions of snake parathyroid glands. Sham JS, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):365–7

Hormonal independence of courtship behavior in the male garter snake. Crews D, et al. **Horm Behav** 1984 Mar; 18(1):29–41

Tectal connections in Python reticulatus. Welker E, et al. **J Comp Neurol** 1983 Nov 1;220(3):347–54

Spatial and temporal integration in primary trigeminal nucleus of rattlesnake infrared system. Stanford LR, et al. **J Neurophysiol** 1984 May;51(5):1077–90

Comparison of cholinergic activation and desensitization at snake twitch and slow muscle fibre end-plates. Connor EA, et al. **J Physiol (Lond)** 1984 Jun;351:657–74

Studies on the venom of Oxyuranus microlepidotus. Morrison J, et al. **J Toxicol Clin Toxicol** 1983–84;21(3):373–85

The electric fence for preventing invasion of Trimeresurus flavoviridis, Habu, the venomous snake. Hayashi Y, et al. **Jpn J Exp Med** 1983 Jun;53(3):165–72

Effects of hypoxia on lung volume in the garter snake. Bartlett D Jr, et al. **Respir Physiol** 1983 Jul;53(1):63–70

[Effect of temperature on oxygen consumption of Vipera seoanei Lataste, 1879 (Reptilia, Viperidae) acclimatized to natural conditions] Célérier ML, et al. **C R Seances Acad Sci [III]** 1983;296(15):731–4 (Eng. Abstr.) **(Fre)**

SNEEZING

Individual differences with respect to the sneezing reflex: an inherited physiological trait in man? Beckman L, et al. **Hum Hered** 1983;33(6):390–1

Psychogenic intractable sneezing in children. Bergman GE, et al. **J Pediatr** 1984 Sep;105(3):496–8

The sneeze [letter] **JAMA** 1983 Dec 23–30;250(24):3280–1

More on the photic sneeze reflex [letter] Leavitt RP. **N Engl J Med** 1984 Jun 28;310(26):1749

Autosomal dominant transmission of the 'photic sneeze reflex' [letter] Peroutka SJ, et al. **N Engl J Med** 1984 Mar 1; 310(9):599–600

Sneeze counts as a diagnostic aid in pig production. Douglas RG, et al. **Vet Rec** 1984 Mar 31;114(13):321–2

DRUG EFFECTS

Local and systemic capsaicin pretreatment inhibits sneezing and the increase in nasal vascular permeability induced by certain chemical irritants. Lundblad L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):254–61

SNORING see under **RESPIRATORY SOUNDS**

SNOW see under **WEATHER**

SNUFF see under **TOBACCO**

SOAPS see under **SURFACE-ACTIVE AGENTS**

SOCCER see under **SPORTS**

SOCIAL ACCOUNTABILITY see **SOCIAL RESPONSIBILITY**

SOCIAL ADJUSTMENT

see related
ADAPTATION, PSYCHOLOGICAL

Psycho-social problems of diabetic children and adolescents. Laron Z. **Acta Diabetol Lat** 1984 Jan–Mar;21(1):35–46

Self- and teacher-rated school adjustment in MZ and DZ twins. Fischbein S. **Acta Genet Med Gemellol (Roma)** 1984; 33(2):205–12

Social functioning and seizure status of young adults with onset of epilepsy in childhood. An epidemiological 20-year follow-up study. Sillanpää M. **Acta Neurol Scand [Suppl]** 1983;96:1–81

The Crichton Visual Analogue Scale for the assessment of behaviour in the elderly. Morrison DP. **Acta Psychiatr Scand** 1983 Dec;68(6):408–13

Differential evaluation of outcome in schizophrenia. Nyman AK, et al. **Acta Psychiatr Scand** 1983 Dec;68(6):458–75

Perspective-taking among offender and nonoffender youth. Mullis RL, et al. **Adolescence** 1983 Winter;18(72):831–6

The relationship of paternal acceptance and control to college females' personality adjustment. Musser JM, et al. **Adolescence** 1983 Winter;18(72):907–16

Psychosocial characteristics of pregnant and nulliparous adolescents. Ralph N, et al. **Adolescence** 1984 Summer; 19(74):283–94

An instrument for assessment of social-emotional adjustment in hearing-impaired preschoolers. Meadow KP. **Am Ann Deaf** 1983 Oct;128(6):826–34

Classroom-based approaches to developing social competence among hearing-impaired youth. Schloss PJ, et al. **Am Ann Deaf** 1983 Oct;128(6):842–50

Risk and resource indicators and their relationship to young children's school adjustment. Cowen EL, et al. **Am J Community Psychol** 1984 Jun;12(3):353–67

The community competence scale: preliminary reliability and validity. Searight HR, et al. **Am J Community Psychol** 1983 Oct;11(5):609–13

A multiple perspective analysis of schizophrenics' symptoms and community functioning. Turner RM, et al. **Am J Community Psychol** 1983 Oct;11(5):593–607

The cloak of competence: after two decades. Edgerton RB, et al. **Am J Ment Defic** 1984 Jan;88(4):345–51

Personal competence of institutionalized adult males with or without Down syndrome. Greenspan S, et al. **Am J Ment Defic** 1983 Sep;88(2):218–20

Maladaptive behavior of mentally retarded individuals in residential facilities. Hill BK, et al. **Am J Ment Defic** 1984 Jan;88(4):380–7

Correlates of sociometric status among TMR children in regular classrooms. Jenkinson JC. **Am J Ment Defic** 1983 Nov;88(3):332–5

Reciprocal relationship between home environment and development of TMR adolescents. Nihira K, et al. **Am J Ment Defic** 1983 Sep;88(2):139–49

A canonical correlation between adaptive and maladaptive aspects of adaptive behavior. Roszkowski MJ, et al. **Am J Ment Defic** 1983 Sep;88(2):225–8

Interrater reliabilities of the Adaptive Behavior Scale with environmental effects controlled. Stack JG. **Am J Ment Defic** 1984 Jan;88(4):396–400

Gender differences in learning and adjustment problems in school: results of a longitudinal study. Anastas JW, et al. **Am J Orthopsychiatry** 1984 Jan;54(1):110–22

Divorce, socioeconomic status, and children's cognitive-social competence at school entry. Guidubaldi J, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):459–68

A revision of axis V of DSM-III [letter] Feder R. **Am J Psychiatry** 1983 Oct;140(10):1384–5

Treatment of divorcing fathers: social and psychotherapeutic considerations. Jacobs JW. **Am J Psychiatry** 1983 Oct; 140(10):1294–9

Persistent social maladjustment in bulimia: a 1-year follow-up. Norman DK, et al. **Am J Psychiatry** 1984 Mar; 141(3):444–6

Predicting retarded students' short-term growth from home environment. Meyers CE, et al. **Appl Res Ment Retard** 1984;5(1):137–46

Social adaptation of mentally retarded adults in community settings: a social-ecological approach. Romer D, et al. **Appl Res Ment Retard** 1983;4(4):303–14

Social functioning of psychiatric patients in contrast with community cases in the general population. Dohrenwend BS, et al. **Arch Gen Psychiatry** 1983 Nov;40(11):1174–82

Child adjustment as related to financial security and employment status of fathers with spinal cord injuries. Buck FM, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):327–33

Modifying attitudes toward disabled persons while resocializing spinal cord injured patients. Haney M, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):431–6

Gender reorientation and psychosocial adjustment in male-to-female transsexuals. Blanchard R, et al. **Arch Sex Behav** 1983 Dec;12(6):503–9

Social skills training with relapsing schizophrenics. An experimental analysis. Liberman RP, et al. **Behav Modif** 1984 Apr;8(2):155–79

Interpersonal adjustment of a homosexual adult. Enhancement via social skills training. St. Lawrence JS, et al. **Behav Modif** 1983 Jan;7(1):41–55

It may not be worth the effort! Trained judges' global ratings as a criterion measure of social skills and anxiety. Wallander JL, et al. **Behav Modif** 1983 Apr;7(2):139–50

Heterosocial-skills training and covert sensitization. Effects on social skills and sexual arousal in sexual deviants. Hayes SC, et al. **Behav Res Ther** 1983;21(4):383–92

The relationship of role-play assessment of children's social skills to multiple measures of social competence. Kazdin AE, et al. **Behav Res Ther** 1984;22(2):129–39

Development of a rating scale to measure social skills in children: the Matson Evaluation of Social Skills with Youngsters (MESSY). Matson JL, et al. **Behav Res Ther** 1983;21(4):335–40

A study of the reliability of reported premorbid adjustment in schizophrenic patients. Small NE, et al. **Biol Psychiatry** 1984 Feb;19(2):203–11

Disadvantaged 11-year-olds. Cox T, et al. **Book Suppl J Child Psychol Psychiatr** 1983;(3):1–177

Hospital referral and family adjustment in acquired deafness. Wood PL, et al. **Br J Audiol** 1983 Aug;17(3):175–81 (23 ref.)

The Nithsdale schizophrenia survey. IV. Social adjustment by self-report. McCreadie RG, et al. **Br J Psychiatry** 1984 May;144:547–50

The school: liberator or censurer? Campbell-Smith M. **Child Abuse Negl** 1983;7(3):329–37

The effects of social skills training and peer involvement on the social adjustment of preadolescents. Bierman KL, et al. **Child Dev** 1984 Feb;55(1):151–62

The assessment of intention-cue detection skills in children: implications for developmental psychopathology. Dodge KA, et al. **Child Dev** 1984 Feb;55(1):163–73

Follow-up of a preschool epidemiological sample: cross-age continuities and predictions of later adjustment with internalizing and externalizing dimensions of behavior. Fischer M, et al. **Child Dev** 1984 Feb;55(1):137–50

The development of social cognitive processes among juvenile delinquents and nondelinquent peers. Hains AA, et al. **Child Dev** 1983 Dec;54(6):1536–44

Behavioral and adjustment correlates of problem solving: validational analyses of interpersonal cognitive problem-solving measures. Kendall PC, et al. **Child Dev** 1984 Jun;55(3):579–92

Viewing chronic mental illness: a conceptual framework. Adler DA, et al. **Compr Psychiatry** 1984 Mar–Apr; 25(2):192–207

Psychological and social correlates of glycemic control. Mazze RS, et al. **Diabetes Care** 1984 Jul–Aug;7(4):360–6

Optimal insulin delivery in adolescents with diabetes: impact of intensive treatment on psychosocial adjustment. Rudolf MC, et al. **Diabetes Care** 1982 May–Jun;5 Suppl 1:53–7

The marginality and salience of being old: when is age relevant? Ward RA. **Gerontologist** 1984 Jun;24(3):227–32

Decision making and adjustment in genetic counseling. Mealey L. **Health Soc Work** 1984 Spring;9(2):124–33

Which psychodynamic therapy for a painfully shy patient? Frances A, et al. **Hosp Community Psychiatry** 1983 Dec; 34(12):1111–7

Interminable treatment in patients who appear healthy. Olsen HE, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):710–5

Racial differences in social integration and life satisfaction among aged public housing residents. Deimling G, et al. **Int J Aging Hum Dev** 1983;17(3):203–12

The assessment of social skills deficits in the elderly. Furnham A, et al. **Int J Aging Hum Dev** 1983;17(1):29–38

The variety of social skills: remarks by the discussant. Schonfield D. **Int J Aging Hum Dev** 1983;17(1):39–42

Age, skill, and management. Singleton WT. **Int J Aging Hum Dev** 1983;17(1):15–23

Social and temporal bases of self-evaluation in the elderly: theory and evidence. Suls J, et al. **Int J Aging Hum Dev** 1983–84;18(2):111–20

Social skill, psychological disorder, and aging. Twining TC. **Int J Aging Hum Dev** 1983;17(1):7–13

Social skill and aging: principles and problems. Welford AT. **Int J Aging Hum Dev** 1983;17(1):1–5

Psychodynamic and social development of neurotic patients applying for disability compensation: a catamnestic study. Foerster K. **Int J Law Psychiatry** 1983;6(2):225–33

Adult status of mildly retarded past-pupils from special education. II: Social adaptation. Toomey JF, et al. **Int J Rehabil Res** 1983 Sep;6(3):301–12

A judgmental measure of coping with cancer and its social, psychological and medical correlates: an exploratory study of Israeli patients. Sarell M, et al. **Isr J Psychiatry Relat Sci** 1983;20(3):241–53

Differentiating attributes of children referred to a school mental health program. Cowen EL, et al. **J Abnorm Child Psychol** 1984 Sep;12(3):397–409

Family adjustment, parental attitudes, and social desirability. Robinson EA, et al. **J Abnorm Child Psychol** 1983 Jun; 11(2):247–56

Childhood aggression and social adjustment as antecedents of delinquency. Roff JD, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):111–26

The influence of a return to school on the long-term adjustment of school refusers. Valles E, et al. **J Adolesc** 1984 Mar;7(1):35–44

Georgetown Adolescent Psychosocial Rating Scale. Magrab PR, et al. **J Adolesc Health Care** 1984 Jan;5(1):14–20

Psychosocial functioning, life change, and clinical status in adolescents with cystic fibrosis. Smith MS, et al. **J Adolesc Health Care** 1983 Dec;4(4):230–4

A new instrument for clinical studies of Tourette's syndrome. Harcherik DF, et al. **J Am Acad Child Psychiatry** 1984 Mar;23(2):153–60

'Homo sovieticus' in transition: psychoanalysis and problems of social adjustment. Goldstein E. **J Am Acad Psychoanal** 1984 Jan;12(1):115–26

Leisure-dance instruction for severely and profoundly retarded persons: teaching an intermediate community-living skill. Lagomarcino A, et al. **J Appl Behav Anal** 1984 Spring;17(1):71–84

The social skills intake interview: reliability and convergent validity assessment. Monti PM. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):305–10

Chronic illness: psychosocial effects on siblings—I. Chronically ill boys. Ferrari M. **J Child Psychol Psychiatry** 1984 Jul;25(3):459–76

Methodological problems in assessing psychosocial recovery following severe head injury. McKinlay WW, et al. **J Clin Neuropsychol** 1984 Feb;6(1):87–99

Social avoidance and distress: its relationship to self-confidence, and needs for affiliation, change, dominance, and deference. Geist CR, et al. **J Clin Psychol** 1983 Sep;39(5):727–30

Cognitive components of social anxiety. Hartman LM. **J Clin Psychol** 1984 Jan;40(1):137–9

Community adjustment among older depressives. Hyer L, et al. **J Clin Psychol** 1984 May;40(3):659–68

The relationship between level of adjustment and expectations for therapy. Karzmark P, et al. **J Clin Psychol** 1983 Nov;39(6):930–2

A non-supervised training program for Carkhuff's discrimination and communication skills and its effects upon the reactions of others during brief interactions. Sappington AA, et al. **J Clin Psychol** 1984 May;40(3):721–8

Children with peer adjustment problems: sequential and nonsequential analyses of school behaviors. Asarnow JR. **J Consult Clin Psychol** 1983 Oct;51(5):709–17

Long-term effects of a school-based secondary prevention program for young maladapting children. Chandler CL, et al. **J Consult Clin Psychol** 1984 Apr;52(2):165–70

Old age and environmental docility: the roles of health, support and personality. Morgan TJ, et al. **J Gerontol** 1984 Mar;39(2):240–2

Essential hypertension and social coping behavior: experimental findings. Linden W, et al. **J Human Stress** 1983 Sep;9(3):22–31

Sex differences in social adjustment. Effects of sex role socialization and role stress. Richman J. **J Nerv Ment Dis** 1984 Sep;172(9):539–45

Physical disability, life stress, and psychosocial adjustment in multiple sclerosis. Zeldow PB, et al. **J Nerv Ment Dis** 1984 Feb;172(2):80–4

Psychosocial implications of chronic illness in adolescence. Orr DP, et al. **J Pediatr** 1984 Jan;104(1):152–7

Sex role orientation, personality structure, and adjustment in women. Thomas DA, et al. **J Pers Assess** 1984 Feb; 48(1):28–36

A reassessment of the Kohn Social Competence Scale and the Walker Problem Behavior Identification Checklist. Bégin G. **J Psychol** 1983 Jul;114(2d Half):223–6

The early mother-infant relationship and social competence with peers and adults at three years. Kennedy JH, et al. **J Psychol** 1984 Jan;116(1st Half):23–34

Development of a self-administered questionnaire to measure maternal adjustment and maternal attitudes during pregnancy and after delivery. Kumar R, et al. **J Psychosom Res** 1984;28(1):43–51

Prediction of emotional and social outcome after a heart attack. Mayou R. **J Psychosom Res** 1984;28(1):17–25

Psychological and sociological aspects of industrial injury. Tuck M. **J Rehabil** 1983 Jul–Sep;49(3):20–5

The Life Activities Inventory as a countermeasure for driving while intoxicated. Neff RL, et al. **J Stud Alcohol** 1983 Sep; 44(5):755–69

Friendship, coping systems and community adjustment of mildly retarded adults. Kaufman S. **Monogr Am Assoc Ment Defic** 1984;(6):73–92

Self-perspectives on being handicapped: stigma and adjustment. Zetlin AG, et al. **Monogr Am Assoc Ment Defic** 1984;(6):93–120

Coping with muscular dystrophy: psychosocial correlates of adaptation [letter] Siegel IM, et al. **Muscle Nerve** 1983 Oct; 6(8):607–8

Prevention of adolescent substance abuse through the

development of personal and social competence. Botvin GJ. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:115–40

Prevention of adolescent substance abuse through social skill development. Pentz MA. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:195–232

Cognitive factors in the social skills of schizophrenic patients: implications for treatment. Wallace CJ, et al. **Nebr Symp Motiv** 1984;31:283–318

Psychosocial functioning at 1 month after head injury. McLean A Jr, et al. **Neurosurgery** 1984 Apr;14(4):393–9

Disability in young adult chronic patients at discharge from a private psychiatric hospital. Crabtree LH Jr. **New Dir Ment Health Serv** 1984 Mar;(21):37–47

Social problems after severe head injury. Crawford C. **NZ Med J** 1983 Nov 23;96(744):972–4

Social aspects of visual disability. Silver J. **Ophthalmic Physiol Opt** 1983;3(3):361–4

The use of coping strategies in chronic low back pain patients: relationship to patient characteristics and current adjustment. Rosenstiel AK, et al. **Pain** 1983 Sep;17(1):33–44

Psychosocial assessment of children with chronic physical disease. Leventhal JM. **Pediatr Clin North Am** 1984 Feb; 31(1):71–86

Chronic patients' response to a community-based training program in independent living. Barry NJ Jr, et al. **Percept Mot Skills** 1983 Aug;57(1):126

Differences between employed and unemployed alcoholic inpatients in trouble for drinking and denial. Panitz DR, et al. **Percept Mot Skills** 1983 Oct;57(2):643–6

Urinary MHPG and ward behavior in unmedicated psychiatric patients. Mueser KT, et al. **Psychiatry Res** 1983 Dec;10(4):275–83

The behaviour of schizophrenic day-patients at home: an assessment by relatives. Hewitt KE. **Psychol Med** 1983 Nov;13(4):885–9

Psychiatric and social aspects of premenstrual complaint. Clare AW. **Psychol Med [Monogr Suppl]** 1983;4:1–58

Use of Burks' behavior rating scale with a referred population. Burke J, et al. **Psychol Rep** 1983 Oct; 53(2):491–6

Relationships among social perception, social skill, and social anxiety of psychiatric patients. Fingeret AL, et al. **Psychol Rep** 1983 Dec;53(3 Pt 2):1175–8

Openness-to-experience and mental health. George JC, et al. **Psychol Rep** 1984 Apr;54(2):651–4

Social functioning assessment of aftercare psychiatric patients in socialization therapy. Peterson L. **Psychol Rep** 1983 Dec; 53(3 Pt 2):1123–30

Psychosocial correlates of death anxiety in a population of medical students. Vargo ME, et al. **Psychol Rep** 1984 Jun; 54(3):737–8

Blood pressure, relative weight, and psychosocial resources. Dressler WW. **Psychosom Med** 1983 Dec;45(6):527–36

Adjustment to renal transplantation. Keegan DL, et al. **Psychosomatics** 1983 Sep;24(9):825–31

Social and psychological differences between cancer and noncancer patients: cause or consequence of the disease? Schwarz R, et al. **Psychother Psychosom** 1984;41(4):195–9

Long term care—new beginnings. Jones D, et al. **QRB** 1984 Jun;10(6):186–7

Independent rural living for chronically mentally ill patients. McQuage G Jr, et al. **QRB** 1983 Jul;9(7):207–9

Aging and alcohol problems. Opportunities for socioepidemiological research. Douglass RL. **Recent Dev Alcohol** 1984;2:251–66

Postservice adjustment of former rehabilitation center clients: a longitudinal analysis. Cook DW. **Rehabil Lit** 1983 Jul–Aug;44(7–8):194–200

Psychosocial aspects of the adult learning disabled person in the world of work: a vocational rehabilitation perspective. Geist CS, et al. **Rehabil Lit** 1983 Jul–Aug; 44(7–8):210–3

A study of psycho-social aspects of both haemophiliacs and carriers in Greece. Pittadaki J, et al. **Scand J Haematol [Suppl]** 1984;40:87–90

On the advantages of symptoms: exploring the client's construing. Tschudi F, et al. **Scand J Psychol** 1984; 25(2):169–77

Interactions between drug and psychosocial therapy in schizophrenia. Falloon IR, et al. **Schizophr Bull** 1983; 9(4):543–54

First person account: finding myself and loving it. O'Neal JM. **Schizophr Bull** 1984;10(1):109–10

Community and interpersonal functioning in the course of schizophrenic disorders. Wallace CJ. **Schizophr Bull** 1984; 10(2):233–57

Early and current factors associated with poor-quality marriage. Birtchnell J, et al. **Soc Psychiatry** 1984; 19(1):31–40

Societal integration of the disabled: power struggle or enhancement of individual coping capacities. Ben-Sira Z. **Soc Sci Med** 1983;17(15):1011–6

Loss, stress and readjustment: the structure of coping with bereavement and disability. Ben-Sira Z. **Soc Sci Med** 1983; 17(21):1619–32

The movement for independent living: an evaluation and critique. Williams GH. **Soc Sci Med** 1983;17(15):1003–10

[Social equivalents of the biological protective-adaptive mechanisms of animals and pharmacology] Zheliazkov D. **Eksp Med Morfol** 1984;23(1):1–8 **(Bul)**

[Social adaptation of children with juvenile rheumatoid arthritis] Andresová S, et al. **Fysiatr Reumatol Vestn** 1984 Feb;62(1):26–9 (Eng. Abstr.) **(Cze)**

[Spina bifida and 'psycho-socioaffective' adjustment] de Tychey C. **Ann Med Psychol (Paris)** 1983 Jul–Aug; 141(7):731–56 (Eng. Abstr.) **(Fre)**

[Unexpected effect of repetition of imaged behavior] Griez E, et al. **Can J Psychiatry** 1983 Aug;28(5):371–3 (Eng. Abstr.) **(Fre)**

[New knowledge on the psychosocial development of the infant] Johst V. **Arztl Jugendkd** 1983 Oct;74(5):293–308 (Eng. Abstr.) **(Ger)**

[Empirical study of the social status of aphasia patients] Joussen K, et al. **Folia Phoniatr (Basel)** 1984;36(2):66–73 (Eng. Abstr.) **(Ger)**

[Psychosocial problems in the rehabilitation of cured patients] Sellschopp A. **MMW** 1984 Mar 2;126(9):227–30 **(Ger)**

[Disorders of premorbid social adaptation as a predictor of the 5-year prognosis of schizophrenic psychoses] Möller HJ, et al. **Nervenarzt** 1984 Jul;55(7):358–64 (Eng. Abstr.) **(Ger)**

[Integration and maladjustment of drug addicts following treatment in a therapeutic community] Kampe H, et al. **Prax Kinderpsychol Kinderpsychiatr** 1984 Feb–Mar; 33(2):49–55 (Eng. Abstr.) **(Ger)**

[The gerontopsychiatric day clinic—a contribution to increasing sociopractical competence] Kersten B, et al. **Psychiatr Prax** 1984 Mar;11(2):33–7 (Eng. Abstr.) **(Ger)**

[Methadone—resocialization of heroin-dependent patients] Renggli R, et al. **Soz Praventivmed** 1983;28(6):318–20 (Eng. Abstr.) **(Ger)**

[Aging: a medical, social and political challenge] Stähelin HB. **Soz Praventivmed** 1983;28(6):266–7 **(Ger)**

[Chronic handicaps and social integration in the aged. Results from the Somipops health survey] Zemp E. **Soz Praventivmed** 1983;28(6):283–6 (Eng. Abstr.) **(Ger)**

[Polyclinical and social psychiatric problems of masked depression] Nitzsche M, et al. **Z Gesamte Hyg** 1983 Nov; 29(11):692–5 (Eng. Abstr.) **(Ger)**

[Status of the human in the ensemble of social relations and in the psychophysical regulation of his life activity] Schmidt-Kolmer E. **Z Gesamte Hyg** 1983 Nov;29(11):700–1 (Eng. Abstr.) **(Ger)**

[Various psychopathologic and social aspects of multiple sclerosis] Monguzzi G, et al. **Minerva Psichiatr** 1983 Jan–Mar;24(1):1–4 (Eng. Abstr.) **(Ita)**

[The subject with spina bifida and his family: psychological and social aspects. I.] Cracco A. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):107–9 (Eng. Abstr.) **(Ita)**

[Social readaptation of patients after treatment of laryngeal cancer] Wasilewska M. **Ann Acad Med Stetin** 1980; 26:459–75 (Eng. Abstr.) **(Pol)**

[Social readaptation of patients after laryngectomy with vocal shunt] Wasilewska M, et al. **Otolaryngol Pol** 1984; 38(1):59–63 (Eng. Abstr.) **(Pol)**

[Social readaptation of patients after treatment of laryngeal cancer] Wasilewska M, et al. **Otolaryngol Pol** 1984; 38(1):51–8 (Eng. Abstr.) **(Pol)**

[A report on studies on the child's adaptation to school and family environment after neoplastic disease] Plewa I. **Probl Med Wieku Rozwoj** 1979;9:303–18 (Eng. Abstr.) **(Pol)**

[Social-vocational readaptation of patients with periodic schizophrenia at late stages of the course of the disease (according to the results of a clinico-epidemiologic study)] Agranovskiĭ ML. **Zh Nevropatol Psikhiatr** 1984; 84(5):719–26 (Eng. Abstr.) **(Rus)**

[Mental status and social adaptation of epileptics during remission] Lependina OK. **Zh Nevropatol Psikhiatr** 1984; 84(6):871–5 (Eng. Abstr.) **(Rus)**

SOCIAL ALIENATION

The alienation response of children abused in out-of-home placement. Kunkel BE. **Child Abuse Negl** 1983;7(4):479–84

The Robert W. Kleemeier Award lecture. Social myth as hypothesis: the case of the family relations of old people. Shanas E. **Gerontologist** 1979 Feb;19(1):3–9

Youth of the '60s [letter] Harris M, et al. **Hosp Community Psychiatry** 1983 Dec;34(12):1164

Alienation as expressed in three twentieth-century operas. O'Brien JD. **J Am Acad Psychoanal** 1984 Jul;12(3):441–50

The 'sheet sign' [letter] Adams F. **JAMA** 1984 Feb 17; 251(7):891

[Concentration camp confinement in the light of a phenomenology of alienation] Hoefer CH. **Z Klin Psychol Psychopathol Psychother** 1983;31(4):333–51 (Eng. Abstr.) **(Ger)**

SOCIAL BEHAVIOR

The etiology of female juvenile delinquency and gang membership: a test of psychological and social structural explanations. Bowker LH, et al. **Adolescence** 1983 Winter; 18(72):739–51

Ethobehavioral analysis of the social behaviors of trainable mentally retarded and intellectually normal children in an integrated educational setting. Beuter A. **Am Correct Ther J** 1984 Jan–Feb;38(1):11–8

Teaching social/sexual skills to mentally retarded adults. Foxx RM, et al. **Am J Ment Defic** 1984 Jul;89(1):9–15

Social skills training for psychiatric patients. I: Concepts, methods, and clinical results. Brady JP. **Am J Psychiatry** 1984 Mar;141(3):333–40 (65 ref.)

Social skills training for psychiatric patients, II: Clinical outcome studies. Brady JP. **Am J Psychiatry** 1984 Apr; 141(4):491–8 (52 ref.)

Difficult physicians in the OR. Gatch G, et al. **AORN J** 1983 Sep;38(3):403–10

Supportive exchange: an exploration of the relationship between social contacts and perceived health status in the elderly. Minkler MA, et al. **Arch Gerontol Geriatr** 1983 Nov;2(3):211–20

The consistency of behavioral inconsistencies. Kreitler S, et al. **Arch Psychol (Frankf)** 1983;135(3):199–218

Sex-related motor behavior: effects on social impressions and social cooperation. Hayes SC, et al. **Arch Sex Behav** 1983 Oct;12(5):415–26

Effects of gender and social behavior on the development of coronary artery atherosclerosis in cynomolgus macaques. Hamm TE Jr, et al. **Atherosclerosis** 1983 Sep; 48(3):221–33

Kin recognition in Rana cascadae tadpoles: effects of rearing with nonsiblings and varying the strength of the stimulus cues. Blaustein AR, et al. **Behav Neural Biol** 1983 Nov; 39(2):259–67

Social referencing at ten months: a second-order effect on infants' responses to strangers. Feinman S, et al. **Child Dev** 1983 Aug;54(4):878–87

Hyperthermic reactions of voles to novel and repetitive psychogenic stimuli. Andrews RV. **Comp Biochem Physiol [A]** 1983;75(4):589–92

Nonnutritive, thermotactile induction of filial huddling in rat pups. Alberts JR, et al. **Dev Psychobiol** 1984 Mar; 17(2):161–81

Dietary effects on rhesus social behavior: altered amino acid diets. Chamove AS. **Dev Psychobiol** 1983 Nov;16(6):505–9

Kittens as therapists: social behavior sequences in isolated squirrel monkeys after exposure to young nonconspecifics. Huebner DK, et al. **Dev Psychobiol** 1984 May;17(3):233–42

Self assessment of social competence in situations with and without alcohol by female alcoholics in treatment. Rist F, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):367–71

Reliability, validity, and clinical utility of the social functioning exam in the assessment of stroke patients. Starr LB, et al. **Exp Aging Res** 1983 Summer;9(2):101–6

Common behavior patterns of residents in public areas of nursing homes. Brent RS, et al. **Gerontologist** 1984 Apr; 24(2):186–92

The social interactions of adult conspecifics with an adult XY gonadal dysgenetic chacma baboon (Papio ursinus). Bielert C. **Horm Behav** 1984 Mar;18(1):42–55

Distinguishing behavioral interactions from visual cues as causes of adult sex change in a coral reef fish. Shapiro DY. **Horm Behav** 1983 Dec;17(4):424–32

An empirical examination of the social bond theory of drug use. Dull RT. **Int J Addict** 1984 May;19(3):265–86

Drinking in bars: an observational study of companion status and drinking behavior. Harford TC, et al. **Int J Addict** 1983 Oct;18(7):937–50

Toward an understanding of cohesion in personal change groups. Stokes JP. **Int J Group Psychother** 1983 Oct; 33(4):449–67

Peer assessment of the social behavior of accepted, rejected, and neglected children. Carlson CL, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):187–98

A comparison of the social status and social behavior of aggressive and aggressive/withdrawn boys. Milich R, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):277–88

Preschool teachers' ratings of behavioral problems: observational, sociometric, and social-cognitive correlates. Rubin KH, et al. **J Abnorm Child Psychol** 1983 Jun; 11(2):273–85

Behavior and performance of pigs grouped by three different methods at weaning. Friend TH, et al. **J Anim Sci** 1983 Dec;57(6):1406–11

Matrilinear social dominance and spatial relationships among Angus and Hereford cows. Stricklin WR. **J Anim Sci** 1983 Dec;57(6):1397–405

The social skills intake interview: reliability and convergent validity assessment. Monti PM. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):305–10

Social olfaction in male brown lemmings (Lemmus sibiricus = trimucronatus) and collared lemmings (Dicrostonyx groenlandicus): I. Discrimination of species, sex, and estrous condition. Huck UW, et al. **J Comp Psychol** 1984 Mar;98(1):54–9

Effects of race on ratings of social skill. Turner SM, et al. **J Consult Clin Psychol** 1984 Jun;52(3):474–5

A comparison of partner and solo arsonists. Molnar G, et al. **J Forensic Sci** 1984 Apr;29(2):574–83

Social bonding theory and adolescent cigarette smoking: a longitudinal analysis. Krohn MD, et al. **J Health Soc Behav** 1983 Dec;24(4):337–49

Race, color, and essential hypertension: a proposal for an international symposium. Thomas JA. **J Natl Med Assoc** 1984 Apr;76(4):393–9

Is capacity for pleasure associated with executive career success? Clark DC, et al. **J Occup Med** 1984 Jan;26(1):37–40

Effects of group identity on resource use in a simulated commons dilemma. Kramer RM, et al. **J Pers Soc Psychol** 1984 May;46(5):1044–57

Revision of the self-monitoring scale. Lennox RD, et al. **J Pers Soc Psychol** 1984 Jun;46(6):1349–64

The relationship between attitudes toward social interdependence and psychological health within three

criminal populations. James NL, et al. **J Soc Psychol** 1983 Oct;121(1st Half):131–43

Progress toward initiating and maintaining high-dose alcohol drinking in monkey social groups. Crowley TJ, et al. **J Stud Alcohol** 1983 Jul;44(4):569–90

Chemical restraint of wild horses: effects on reproduction and social structure. Berger J, et al. **J Wildl Dis** 1983 Jul; 19(3):265–8

Analysis of the facilitatory effect of the ACTH-(4–9) analog ORG 2766 on active social contact in rats. Niesink RJ, et al. **Life Sci** 1984 Mar 5;34(10):961–70

Problems in methadone treatment: the influence of reference groups. Hunt DE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:8–22

Grooming, alliances and reciprocal altruism in vervet monkeys. Seyfarth RM, et al. **Nature** 1984 Apr 5–11; 308(5959):541–3

Do the reductions in social interaction produced by picrotoxin and pentylenetetrazole indicate anxiogenic actions? File SE, et al. **Neuropharmacology** 1984 Jul; 23(7A):793–6

Changes in social behaviour of rats following chronic treatment with gamma-endorphin antiserum injected into the nucleus accumbens. Niesink RJ, et al. **Neuropharmacology** 1983 Jul;22(7):819–26

Social interactions among rodent conspecifics: a review of experimental paradigms. Wills GD, et al. **Neurosci Biobehav Rev** 1983 Fall;7(3):315–23 (105 ref.)

The social development of an adopted child recovering from malnutrition. **Nutr Rev** 1984 Jan;42(1):16–9

Small groups in programmed environments. Behavioral and biological interactions. Emurian HH, et al. **Pavlov J Biol Sci** 1983 Oct–Dec;18(4):199–210

The social application of Pavlovian theories. Eysenck HJ. **Pavlov J Biol Sci** 1983 Jul–Sep;18(3):117–25

School and peer relations. Weitzman M. **Pediatr Clin North Am** 1984 Feb;31(1):59–69

The psychopharmacology of aggression and social behavior. Symposium of the International Society for research on Aggression. July 12, 1980, Haren, Groningen, The Netherlands. **Pharmacol Biochem Behav** 1981;14 Suppl 1:1–124

The effects of several anorexigenics on monkey social behavior. Bedford JA, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):317–21

Influence of shock-induced fighting and social factors on dopamine turnover in cortical and limbic areas in the rat. Dantzer R, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):331–5

Analysis of amphetamine effects on agonistic and affiliative behavior in squirrel monkeys (Saimiri sciureus). Miczek KA, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:103–7

Pharmaco-ethological analysis of social behaviour of isolated mice. Poshivalov VP. **Pharmacol Biochem Behav** 1981;14 Suppl 1:53–9

Contrasting effects of d-amphetamine on affiliation and aggression in monkeys. Smith EO, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):255–60

Play soliciting in juvenile male rats: effects of caffeine, amphetamine and methylphenidate. Thor DH, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):725–7

Effects of temperature and social interactions on huddling behavior in Mus musculus. Batchelder P, et al. **Physiol Behav** 1983 Jul;31(1):97–102

Organization and expression of agonistic and socio-sexual behavior in golden hamsters over the estrous cycle and after ovariectomy. Takahashi LK, et al. **Physiol Behav** 1983 Oct;31(4):477–82

Substance abuse research in monkey social groups. Crowley TJ. **Prog Clin Biol Res** 1983;131:255–75

Amphetamine challenge: effects in previously isolated rhesus monkeys and implications for animal models of schizophrenia. Kraemer GW, et al. **Prog Clin Biol Res** 1983; 131:199–218

Ethological analysis of amphetamine action on social behavior in squirrel monkeys (Saimiri sciureus). Miczek KA, et al. **Prog Clin Biol Res** 1983;131:137–55 (37 ref.)

Assessment of acute versus long-term effects of delta-9-tetrahydrocannabinol on social behavior and adaptability in group-living macaques. Sassenrath EN. **Prog Clin Biol Res** 1983;131:277–91

Differential involvement in delinquency: toward an interpretation in terms of reputation management. Emler N. **Prog Exp Pers Res** 1984;13:173–239

The schizophrenic no-society revisited. Sommer R, et al. **Psychiatry** 1984 May;47(2):181–91

Psychiatric disorder in a rural and an urban population: 3. Social integration and the morphology of affective disorder. Prudo R, et al. **Psychol Med** 1984 May; 14(2):327–45

Public self-consciousness, social anxiety, and variability of social behavior. Lennox R. **Psychol Rep** 1984 Jun; 54(3):911–4

Differentiating assertiveness, aggressiveness, and shyness: a factor analysis. Tucker RK, et al. **Psychol Rep** 1983 Oct; 53(2):607–11

Social and exploratory behaviour in the rat after septal administration of ORG 2766 and ACTH4-10. Clarke A, et al. **Psychoneuroendocrinology** 1983;8(3):343–50

Socio-sexual behaviours in rats after neonatal and adult beta-endorphin treatment. Meyerson BJ. **Scand J Psychol** 1982;Suppl 1:85–9

Kin relatedness and church fissioning among the 'Nebraska' Amish of Pennsylvania. Hurd JP. **Soc Biol** 1983 Spring; 30(1):59–66

Use of the Social Behaviour Assessment Schedule (SBAS) in a trial of maintenance antipsychotic therapy in schizophrenic outpatients: pimozide versus fluphenazine. Barnes TR, et al. **Soc Psychiatry** 1983;18(4):193–9

Three generations of family medicine: a comparison of social identities. Fox TG, et al. **Soc Sci Med** 1984;18(6):481–6

Measuring physical and psychosocial function in patients with low-back pain. Deyo RA, et al. **Spine** 1983 Sep; 8(6):635–42

[Comparison between 2 behavior observation scales in psychogeriatrics. A closer look at the NOSIE and the BOP] Dingemans PM, et al. **Tijdschr Gerontol Geriatr** 1983 Dec; 14(6):223–30 (Eng. Abstr.) **(Dut)**

[Social behavior of 5 to 7-year-old children at risk as newborn infants with special reference to parental child-rearing behavior] Grichting C, et al. **Schweiz Med Wochenschr** 1984 Jun 2;114(22):788–93 (Eng. Abstr.) **(Ger)**

[Multilateral and interdisciplinary study of children and young people for the purpose of optimizing the factors influencing behavior development. II. Structuring the model of personality development in the adolescent period] Scripcaru G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):553–6 (Eng. Abstr.) **(Rum)**

[Effect of exposure to pain on the intraspecies behavior of the rat] Iavich LB. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec; 33(6):1154–5 **(Rus)**

[Features of conditioned alimentary instrumental reflexes in rats differing in the nature of their behavior in response to painful stimulation of conspecifics] Khonicheva NM. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):229–36 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Low doses of beta-endorphin increase social contacts of rats tested in dyadic encounters. van Ree JM, et al. **Life Sci** 1983;33 Suppl 1:611–4

Social play in juvenile rats during scopolamine withdrawal. Thor DH, et al. **Physiol Behav** 1984 Feb;32(2):217–20

PHYSIOLOGY

Odor modulation of ventral scent gland marking in the Mongolian gerbil. O'Connell RJ. **Behav Neurosci** 1984 Aug; 98(4):728–38

Effects of age of chick on social transmission of pecking preferences from hen to chicks. Bartashunas C, et al. **Dev Psychobiol** 1984 Mar;17(2):121–7

SOCIAL BEHAVIOR DISORDERS

see related

ANTISOCIAL PERSONALITY DISORDER

[The psychopathology of interaction in psychiatric research and care of dissociative behavior] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):541–4 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

A four-year follow-up of hyperactive boys with and without conduct disorder. August GJ, et al. **Br J Psychiatry** 1983 Aug;143:192–8

DIAGNOSIS

Development of a rating scale to measure social skills in children: the Matson Evaluation of Social Skills with Youngsters (MESSY). Matson JL, et al. **Behav Res Ther** 1983;21(4):335–40

[Social geriatric examination] Sipsma DH. **Tijdschr Gerontol Geriatr** 1983 Dec;14(6):231–5 (Eng. Abstr.) **(Dut)**

[Expansive disorders of social behavior] Martin M. **Off Gesundheitswes** 1983 Sep;45(9):466–9 **(Ger)**

DRUG THERAPY

[Active treatment of behavior problems of the mentally retarded. Sultopride] Amedro MJ, et al. **Sem Hop Paris** 1983 Dec 15;59(47):3327–31 (Eng. Abstr.) **(Fre)**

ETIOLOGY

The disturbed patient and general hospital care. Egdell HG, et al. **Trop Doct** 1984 Jan;14(1):23–9

[Deterioration in schizophrenia in repeatedly hospitalized patients] Majczak A, et al. **Psychiatr Pol** 1983 Sep–Dec; 17(5–6):405–10 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Father-son resemblances in aggressive and antisocial behavior [letter] Stewart M, et al. **Br J Psychiatry** 1983 Sep;143:310–1

OCCURRENCE

Behavioral problems among patients in skilled nursing facilities. Zimmer JG, et al. **Am J Public Health** 1984 Oct; 74(10):1118–21

[School, work and social maladaptation of adolescents] Vojtík V, et al. **Cesk Pediatr** 1984 Jun;39(6):340–5 (Eng. Abstr.) **(Cze)**

PSYCHOLOGY

Maladaptive behavior of mentally retarded individuals in residential facilities. Hill BK, et al. **Am J Ment Defic** 1984 Jan;88(4):380–7

The assessment of social skills deficits in the elderly. Furnham A, et al. **Int J Aging Hum Dev** 1983;17(1):29–38

Psychiatric and social complications of epilepsy in Nigerians. Makanjuola RO. **Trop Geogr Med** 1983 Sep;35(3):299–304

[Influence of the family situation on the form of expression of neuroses] Matarazzo EB. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):41–8 (Eng. Abstr.) **(Por)**

REHABILITATION

Disruptive adolescents in the school system: comparative effectiveness of helping strategies. Topping KJ. **J Adolesc** 1983 Dec;6(4):359–71

SURGERY

The role of stereotactic amygdalotomy in the treatment of temporal lobe epilepsy associated with behavioral disorders. Hood TW, et al. **Appl Neurophysiol** 1983; 46(1–4):19–25

THERAPY

Behavioral ecology of a staff incentive program. Effects on absenteeism and resident disruptive behavior. Durand VM. **Behav Modif** 1983 Apr;7(2):165–81

Reduction of disruptive behaviors in mentally retarded adults. A self-management approach. Gardner WI, et al. **Behav Modif** 1983 Jan;7(1):76–96

Structured learning therapy. A study with chronic psychiatric patients and level of pathology. Magaro PA, et al. **Behav Modif** 1983 Jan;7(1):29–40

Interpersonal adjustment of a homosexual adult. Enhancement via social skills training. St. Lawrence JS, et al. **Behav Modif** 1983 Jan;7(1):41–55

A cognitive-behavioral approach to social skills training with shy persons. Haynes-Clements LA, et al. **J Clin Psychol** 1984 May;40(3):710–3

SOCIAL BREAKDOWN SYNDROME see under **SOCIAL BEHAVIOR DISORDERS**

SOCIAL CHANGE

see related

GROUP PROCESSES

Occupational therapy: a focus for roles in practice. Burke JP. **Am J Occup Ther** 1984 Jan;38(1):24–8

Psychology and society. The challenge of change. Pion GM, et al. **Am Psychol** 1984 Jul;39(7):739–54

The elective surgeon's reaction to change and conflict. Wright MR. **Arch Otolaryngol** 1984 May;110(5):318–22

Changes in sex differences in sexual behavior: a replication of a study on West German students (1966–1981). Clement U, et al. **Arch Sex Behav** 1984 Apr;13(2):99–120

Desire of pregnancy and desire of motherhood. Its sociocultural evolution. Cerutti R, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):105–7

Change and psychopathology: epidemiologic considerations. Bell RA, et al. **Community Ment Health J** 1981 Fall; 17(3):203–13

The changing expectations of society and the influence thereof on individual and societal decisions regarding foods. Morrison AB. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S284–92

Reevaluation of the aging and modernization theory: the Samoan evidence. Rhoads EC. **Gerontologist** 1984 Jun; 24(3):243–50

Social change in a therapeutic community. Page RC. **Int J Addict** 1983 Aug;18(6):769–76

Grandma as revolutionary: elderly women and some modern patterns of social change. Roebuck J. **Int J Aging Hum Dev** 1983;17(4):249–66

Rising death rates among Polish men. Cooper R, et al. **Int J Health Serv** 1984;14(2):289–302

Stress: a psychosocial view. Schwab JJ. **J Ky Med Assoc** 1984 Mar;82(3):115–20

Social and demographic changes in the last 20 years of the twentieth century. Willcocks AJ. **J R Soc Health** 1983 Dec; 103(6):216–9

Transcultural psychiatry in Samoa. Patterson JF. **Milit Med** 1983 Nov;148(11):871–3

Historical time and social change in adolescent experience. Boxer AM, et al. **New Dir Ment Health Serv** 1984 Jun; (22):83–100

Time, social change, and social work. Germain CB. **Soc Work Health Care** 1983 Winter;9(2):15–23

Japanese responses to social change—making the strange familiar. Lock M. **West J Med** 1983 Dec;139(6):829–34 (56 ref.)

Modernization and the family structure of the elderly in the United States. Smith DS. **Z Gerontol** 1984 Jan–Feb; 17(1):13–7

[Emancipation movements and the role of the scientist] Amendt G. **Beitr Sexualforsch** 1984;59:113–8 **(Ger)**

[Lack of perspective and demonstrative search for a life

style--the adolescent under the tension of social development] Wartenberg G.
Prax Kinderpsychol Kinderpsychiatr 1984 Apr;33(3):82–8 (Eng. Abstr.) **(Ger)**

[Is the revolutionary potential of psychoanalysis getting lost? On the political significance of psychoanalysis and the political engagement of psychoanalysts] Bauriedl T.
Psyche (Stuttg) 1984 Jun;38(6):489–515 (Eng. Abstr.) **(Ger)**

[Society in transition--comments of a psychiatrist] Böker W.
SSO Schweiz Monatsschr Zahnheilkd 1983 Sep;93 Spec No:898–907 **(Ger)**

[The elderly and social change--an interdisciplinary study on Sweden in the 19th and 20th centuries] Olsson L.
Z Gerontol 1984 Jan–Feb;17(1):6–12 (Eng. Abstr.) **(Ger)**

[Changes in medico-ethical and deontologic concepts in the field of gynecology in first 1/3 of the 20th century] Schneck P. **Z Gesamte Hyg** 1984 Apr;30(4):246–8 (Eng. Abstr.) **(Ger)**

[The university and change] Grande de Arruda BK.
Educ Med Salud 1983;17(3):314–25 (Eng. Abstr.) **(Por)**

[Dynamics of the parameters of population structure as a result of sociodemographic transformations] Revazov AA.
Vestn Akad Med Nauk SSSR 1984;(7):21–6 (Eng. Abstr.) **(Rus)**

SOCIAL CLASS

Social class and psychotherapy. Cullberg J, et al.
Acta Psychiatr Scand 1983 Nov;68(5):335–40

Competent adolescents from different socioeconomic and ethnic contexts. Looney JG, et al. **Adolesc Psychiatry** 1983; 11:64–74

Special problems in borderline adolescents from wealthy families. Stone MH. **Adolesc Psychiatry** 1983;11:163–76

Social class, Mexican culture, and fatalism: their effects on psychological distress. Ross CE, et al.
Am J Community Psychol 1983 Aug;11(4):383–99

Divorce, socioeconomic status, and children's cognitive-social competence at school entry. Guidubaldi J, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):459–68

Does no phone at home only reflect socioeconomic status [letter] Goodman JS. **Am J Psychiatry** 1984 Jan; 141(1):137–8

Natural history of male psychological health. XI: Escape from the underclass. Long JV, et al. **Am J Psychiatry** 1984 Mar;141(3):341–6

Is the 'collapsible' man depressed [letter] Miles JE.
Am J Psychiatry 1984 Jan;141(1):153–4

Unemployment and criminal involvement: an investigation of reciprocal causal structures. Thornberry TP, et al.
Am Sociol Rev 1984 Jun;49(3):398–411

Adaptive significance of the Indian caste system: an ecological perspective. Gadgil M, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):465–77

Tonic heart rate level, social class and antisocial behaviour in adolescents. Raine A, et al. **Biol Psychol** 1984 Mar; 18(2):123–32

Social background, fluoridation and caries experience in a 5-year-old population in the West Midlands. Bradnock G, et al. **Br Dent J** 1984 Feb 25;156(4):127–31

The relationship between social class and dental health in 5-year-old children in the north and south of England. French AD, et al. **Br Dent J** 1984 Feb 11;156(3):83–6

Social class and dental health in children [letter] Palmer JD.
Br Dent J 1984 Apr 7;156(7):238–9

The effect of social factors on referrals for orthodontic advice and treatment. Jenkins PM, et al. **Br J Orthod** 1984 Jan; 11(1):24–6

Social factors and affective disorder: an investigation of Brown and Harris's model. Campbell EA, et al.
Br J Psychiatry 1983 Dec;143:548–53

Equity and consultation rates in general practice. Blaxter M.
Br Med J [Clin Res] 1984 Jun 30;288(6435):1963–7

The who and why of pain: analysis by social class. Larson AG, et al. **Br Med J [Clin Res]** 1984 Mar 24; 288(6421):883–6

Effects of social class and familiarity on pediatricians' responses to child abuse. McPherson KS, et al.
Child Welfare 1983 Sep–Oct;62(5):387–93

Breast-vs. bottle-feeding. A study of morbidity in upper middle class infants. Eiger MS, et al.
Clin Pediatr (Phila) 1984 Sep;23(9):492–5

The measurement of social class. Daniel A.
Community Health Stud 1984;8(2):218–22

A comment on social class analysis [editorial] Alderson M.
Community Med 1984 Feb;6(1):1–3

Social class analysis--an embarrassment to epidemiology. Jones IG, et al. **Community Med** 1984 Feb;6(1):37–46

Chronic organic psycho-syndrome in Greek torture victims. Abildgaard U, et al. **Dan Med Bull** 1984 Jun;31(3):239–42

Social aspects of chronic duodenal ulcer. A case control study. Nasiry R, et al. **Digestion** 1983;27(4):196–202

Mortality, cause of death and social class in the Belfast urban area, 1970. Pringle DG. **Ecol Dis** 1983;2(1):1–8

Using survey data in the study of social stratification in late life. Henretta JC. **Gerontologist** 1979 Apr;19(2):197–202

Feeding practices among children of different castes in rural Ludhiana. Kaur S, et al. **Indian J Pediatr** 1983 Jul–Aug; 50(405):371–4

Epidemiology, genetics and sociology. Himsworth H.
J Biosoc Sci 1984 Apr;16(2):159–76

Family size and social class in nineteenth century Tasmania, Australia. Kosten M, et al. **J Biosoc Sci** 1984 Jan; 16(1):55–63

Educational attainment and social class in adoptees: genetic and environmental contributions. Teasdale TW, et al.
J Biosoc Sci 1983 Oct;15(4):509–18

Aggressive conduct disorder: the influence of social class, sex and age on the clinical picture. Behar D, et al.
J Child Psychol Psychiatry 1984 Jan;25(1):119–24

Language and social class: is verbal deprivation a myth? Tizard B, et al. **J Child Psychol Psychiatry** 1983 Oct; 24(4):533–42

Social class and ischaemic heart disease: use of the male:female ratio to identify possible occupational hazards. Heller RF, et al. **J Epidemiol Community Health** 1984 Sep; 38(3):198–202

Relationship of cigarette smoking and social class to birth weight and perinatal mortality among all births in Britain, 5–11 April 1970. Rush D, et al.
J Epidemiol Community Health 1983 Dec;37(4):249–55

Social epidemiology of overweight: a substantive and methodological investigation. Ross CE, et al.
J Health Soc Behav 1983 Sep;24(3):288–98

Symptoms, beliefs, and the use of physician services among the disadvantaged. Sharp K, et al. **J Health Soc Behav** 1983 Sep;24(3):255–63

Bipolar disorder in a low socioeconomic population. Difficulties in diagnosis. Roukema R, et al.
J Nerv Ment Dis 1984 Feb;172(2):76–9

Social class and health status. Inequality or difference. McConaghey memorial lecture. Crombie DL.
J R Coll Gen Pract [Occas Pap] 1984 Apr;(25):1–15

Drinking and occupational status in New Zealand men. Casswell S, et al. **J Stud Alcohol** 1984 Mar;45(2):144–8

Risk of alcohol-related hospital admission in men as predicted by marital status and social class. Poikolainen K. **J Stud Alcohol** 1983 Nov;44(6):986–95

Inequalities in death--specific explanations of a general pattern? Marmot MG, et al. **Lancet** 1984 May 5; 1(8384):1003–6

Social class as a prognostic variable in acute lymphoblastic leukaemia. McWhirter WR, et al. **Med J Aust** 1983 Oct 1;2(7):319–21

Mortality and social class in New Zealand. III: male mortality by ethnic group. Pearce NE, et al. **NZ Med J** 1984 Jan 25;97(748):31–5

The middle-class family and middle-class adolescents in a state of disarray: a social-psychiatric analysis. Levine EM.
Psychiatry 1984 May;47(2):152–61

Misfortune and resilience: a community study of women. Bebbington PE, et al. **Psychol Med** 1984 May;14(2):347–63

Infant feeding and maternal attitudes among mothers of low-income. Leeper JD, et al. **Psychol Rep** 1983 Aug; 53(1):259–65

Housing standards, social group, and respiratory infections in children of Upernavik, Greenland. Bjerregaard P.
Scand J Soc Med 1983;11(3):107–11

Explanations of social inequality: an approach to the problem. Hansen EJ. **Scand J Soc Med [Suppl]** 1984;34:45–56

Family background, cognitive ability, and personality as predictors of educational and occupational attainment. Johnson RC, et al. **Soc Biol** 1983 Spring;30(1):86–100

The social-class background of mentally retarded children. A study in Mannheim. Cooper B, et al. **Soc Psychiatry** 1984;19(1):3–12

Health patterns in New Zealand: class, ethnicity and the impact of economic development. Davis P.
Soc Sci Med 1984;18(11):919–25

Childbirth and social class: the case of cesarean delivery. Hurst M, et al. **Soc Sci Med** 1984;18(8):621–31

Healing as a sign of power and status in Bali. McCauley AP. **Soc Sci Med** 1984;18(2):167–72

[Mortality differential for cancer based on social class: the metropolitan region of Montreal, 1971] Thouez JP.
Soc Sci Med 1984;18(1):73–81 (Eng. Abstr.) **(Fre)**

[Visits to the dentist and the degree of information for prophylaxis and dental care in socioeconomically different population classes in Switzerland] Grunder U, et al.
Schweiz Monatsschr Zahnmed 1984 Jul;94(7):600–11 (Eng. Abstr.) **(Ger)**

[Oral hygiene habits, dental care and subjective chewing capacity in socioeconomically different population classes in Switzerland] Imperiali D, et al.
Schweiz Monatsschr Zahnmed 1984 Jul;94(7):612–24 (Eng. Abstr.) **(Ger)**

[Karl Marx and the founding of health politics of the revolutionary workers' movement. II. Marx's disclosure of the class content of civil health politics] Büttner L, et al.
Z Arztl Fortbild (Jena) 1983;77(19):819–23 **(Ger)**

[Increase in body height and weight of boys and girls of school age with special reference to social class. I. Methodological bases] Müller-König T.
Z Morphol Anthropol 1983;74(2):199–224 (Eng. Abstr.) **(Ger)**

[Epstein-Barr anti-viral antibodies in childhood in relation to social status] Musso A, et al. **Minerva Pediatr** 1984 Jan 31;36(1–2):9–16 (Eng. Abstr.) **(Ita)**

[Influence of social class on dietary habits of Warsaw's adolescents during partial food rationing in 1981] Kirschner H, et al. **Rocz Panstw Zakl Hig** 1983;34(4):325–33 (Eng. Abstr.) **(Pol)**

SOCIAL CLUBS, THERAPEUTIC see **SELF-HELP GROUPS**

SOCIAL CONDITIONS

Social conditions of children in day-care centers and nurseries in Nigeria. Oyemade A, et al.
Afr J Med Med Sci 1983 Mar;12(1):17–22

Social aspects of low birth weight. Dunn HG.
Can Med Assoc J 1984 May 1;130(9):1131–40

The health product: a social marketing perspective. Fine SH.
Hospitals 1984 Jun 16;58(12):66–8

Aspects of development in contemporary society. Richards MP. **Proc Annu Symp Eugen Soc** 1981;17:83–95

Aspects of living conditions among groups of disabled children and their families in Norway: family situation, mothers' health, financial assistance. Storhaug K.
Soc Sci Med 1983;17(23):1837–45

Inching toward Armageddon: a psychiatric view. Abraham HD. **Yale J Biol Med** 1983 Mar–Apr;56(2):67–78

[The health and social situation and health care needs of the elderly] Zaremba V. **Cas Lek Cesk** 1984 Mar 9; 123(10):281–5 (Eng. Abstr.) **(Cze)**

[The most frequent health and social problems of the aged in an urban population] Jungerová J, et al. **Cesk Zdrav** 1984 Mar;32(3):102–7 (Eng. Abstr.) **(Cze)**

[Social and health conditions in the Peoples Republic of China] Højgaard-Olsen K, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):307–9 **(Dan)**

[Thoughts on the meaning of life of the human] Meves C.
ZFA (Stuttgart) 1983 Oct 31;59(30):1676–8 **(Ger)**

[Effect of various social and life-style factors on the incidence of stomach disease] Salimov TG.
Klin Med (Mosk) 1984 May;62(5):57–60 (Eng. Abstr.) **(Rus)**

[Emotional stress as a factor of evolution] Sudakov KV.
Vestn Akad Med Nauk SSSR 1984;(6):40–7 **(Rus)**

HISTORY

[V. I. Lenin on the social conditionality of health and public health] Potulov BM. **Sov Zdravookhr** 1984;(4):3–10 **(Rus)**

[Glagolitic graffiti as evidence of social and health conditions in Istria] Rudelić I. **Lijec Vjesn** 1984 Jun;106(6):261–4 (Eng. Abstr.) **(Scr)**

TRENDS

[Medicine and society. Schools of thought in the health field] García JC. **Educ Med Salud** 1983;17(4):363–97 (Eng. Abstr.) **(Spa)**

SOCIAL CONFORMITY

see related
SOCIAL CONTROL, INFORMAL

New religions and the myth of mind control. Coleman L.
Am J Orthopsychiatry 1984 Apr;54(2):322–5

Psychotherapy and new religions in a pluralistic society. Kilbourne B, et al. **Am Psychol** 1984 Mar;39(3):237–51

The cult phenomenon and the psychotherapeutic response. Gordon JS. **J Am Acad Psychoanal** 1983 Oct;11(4):603–15

Anticonformity aspects of depression in mild depressive states. Wallace JE, et al. **J Pers** 1983 Dec;51(4):640–52

Epidemic grieving at a birthday party: a case of mass hysteria. Roback HB, et al. **JDBP** 1984 Apr;5(2):86–9

Accommodation to contrast: being different in the organization. Sodano AG, et al.
New Dir Ment Health Serv 1983 Dec;(20):25–36

Intercorrelations among white space responses on Rorschach, ego strength, conformity, and self-esteem. Marti... JD, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):743–8

Differential involvement in delinquency: toward an interpretation in terms of reputation management. Emler N. **Prog Exp Pers Res** 1984;13:173–239

[Lack of perspective and demonstrative search for a life style--the adolescent under the tension of social development] Wartenberg G.
Prax Kinderpsychol Kinderpsychiatr 1984 Apr;33(3):82–8 (Eng. Abstr.) **(Ger)**

[The phenomenon of personality change in members of new youth religious and meditation movements] Bron B.
Psychother Psychosom Med Psychol 1983 Sep;33 Suppl 2:78–88 (Eng. Abstr.) **(Ger)**

[Youth movements and puberty] Herzka HS.
Schweiz Arch Neurol Neurochir Psychiatr 1984; 134(2):241–9 (Eng. Abstr.) **(Ger)**

SOCIAL CONTROL, FORMAL

A study of drug discipline policies in secondary schools. Schwartz S. **Adolescence** 1984 Summer;19(74):323–33

Coronary heart disease in police officers participating in the Normative Aging Study. Sparrow D, et al.
Am J Epidemiol 1983 Oct;118(4):508–13

The doctor--third parties. Schulman H.
Am J Obstet Gynecol 1984 Jul 15;149(6):624–7

Firearms, legislation, and suicide prevention [editorial] Westermeyer J. **Am J Public Health** 1984 Feb;74(2):108

A unique review of rejected police candidates: psychiatric and psychologic aspects. Perr IN.
Bull Am Acad Psychiatry Law 1983;11(4):371–8

International co-operation through the Interpol system to

counter illicit drug trafficking. Leamy WJ. **Bull Narc** 1983 Oct-Dec;35(4):55-60

Law enforcement officers as investigators and therapists in child sexual abuse: a training model. Stone LE, et al. **Child Abuse Negl** 1984;8(1):75-82

Death wearing a badge—a study of police officers who died in the line of duty in Metro Dade County from 1956 to 1982. Copeland AR. **Forensic Sci Int** 1984 Jul;25(3):175-9

Should police target repeat offenders? Sherman LW. **Hastings Cent Rep** 1984 Apr;14(2):18-9

Police involvement and influence in involuntary civil commitment. Durham ML, et al. **Hosp Community Psychiatry** 1984 Jun;35(6):580-4

Black communities' experience of psychiatric services. Mercer K. **Int J Soc Psychiatry** 1984 Spring;30(1-2):22-7

Adolescent attitudes to authority. Coleman J, et al. **J Adolesc** 1984 Jun;7(2):131-41

Suggested guidelines for the use of forensic hypnosis techniques in police investigations. Timm HW. **J Forensic Sci** 1984 Jul;29(3):865-73

Organized dentistry and the pursuit of entry control. Fraundorf KC. **J Health Polit Policy Law** 1984 Winter; 8(4):759-81

A model to assess one's ability to apprehend and restrain a resisting suspect in police work. Greenberg GJ, et al. **J Occup Med** 1983 Nov;25(11):809-13

The disciplinary function of the General Medical Council. Grüneberg AL. **Lancet** 1984 Jun 9;1(8389):1287-9

Functions of the General Medical Council [letter] Towers PL. **Lancet** 1984 Jun 30;1(8392):1473

A national compensation program for vaccine-related injuries. Karzon DT. **N Engl J Med** 1984 May 17; 310(20):1320-2

Animals do have rights [letter] **Nature** 1984 Mar 8-14; 308(5955):106

Effect of a mental health educational program upon police officers. Godschalx SM. **Res Nurs Health** 1984 Jun; 7(2):111-7

Organizational impact on medicine: the HMO concept. Fielding SL. **Soc Sci Med** 1984;18(8):615-20

[Integrated monitoring of the meat production chain and the authorities] Zegers L. **Tijdschr Diergeneeskd** 1984 Apr 1; 109(7):286-9 (Eng. Abstr.) **(Dut)**

METHODS

Child welfare services in a law enforcement agency. Briar KH, et al. **Child Today** 1983 Nov-Dec;12(6):17-20

Military police traffic surveillance activity and occurrence of accidents in Israel. Soudry A, et al. **Milit Med** 1984 Jun;149(6):321-3

SOCIAL CONTROL, INFORMAL

The doctor—third parties. Schulman H. **Am J Obstet Gynecol** 1984 Jul 15;149(6):624-7

Social control function of holistic health care in bureaucratic settings: the case of space medicine. Kotarba JA. **J Health Soc Behav** 1983 Sep;24(3):275-88

METHODS

[Social control and social support in conditions of community psychiatric care] Dziewas H, et al. **Psychiatr Prax** 1984 May;11(3):81-5 (Eng. Abstr.) **(Ger)**

SOCIAL DESIRABILITY

Component analysis in smoking prevention research: effects of social consequences information. O'Neill HK, et al. **Addict Behav** 1983;8(4):419-23

Correlates of sociometric status among TMR children in regular classrooms. Jenkinson JC. **Am J Ment Defic** 1983 Nov;88(3):332-5

A review of sociometric procedures in the assessment of social competencies in children. Connolly JA. **Appl Res Ment Retard** 1983;4(4):315-27

Identification of social skill curriculum targets for severely handicapped children in mainstream preschools. Strain PS. **Appl Res Ment Retard** 1983;4(4):369-82

Improving social acceptance by training handicapped students to tutor their nonhandicapped peers. Custer JD, et al. **Except Child** 1983 Oct;50(2):173-4

Social desirability response bias and dietary inventory responses. Worsley A, et al. **Hum Nutr Appl Nutr** 1984 Feb;38(1):29-35

Peer assessment of the social behavior of accepted, rejected, and neglected children. Carlson CL, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):187-98

A comparison of the social status and social behavior of aggressive and aggressive/withdrawn boys. Milich R, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):277-88

A categorical analysis of the social attributions of learning-disabled children. Sobol MP, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):217-27

Hopelessness and social desirability as moderator variables in predicting suicidal behavior. Petrie K, et al. **J Consult Clin Psychol** 1983 Aug;51(4):485-7

Will the real social desirability please stand up? Hopelessness, depression, social desirability, and the prediction of suicidal behavior. Strosahl KD, et al. **J Consult Clin Psychol** 1984 Jun;52(3):449-57

Social desirability and the measurement of psychological well-being in elderly persons. Carstensen LL, et al. **J Gerontol** 1983 Nov;38(6):713-5

Socially-desirable response and acquiescence in a cross-cultural survey of mental health. Ross CE, et al. **J Health Soc Behav** 1984 Jun;25(2):189-97

Relations between the family environment scale (FES) and the MMPI. Sines JO. **J Pers Assess** 1984 Feb;48(1):6-10

External threat and the definition of deviance. Laudedale P, et al. **J Pers Soc Psychol** 1984 May;46(5):1058-68

Teachers' ratings of aggression and students' own perceived status. Horne MD, et al. **Psychol Rep** 1983 Aug;53(1):275-8

Social desirability and endorsement of irrational beliefs. Lohr JM, et al. **Psychol Rep** 1983 Oct;53(2):395-7

The social desirability of preventive health behavior. Kristiansen CM, et al. **Public Health Rep** 1984 Jul-Aug; 99(4):384-8

SOCIAL DISCRIMINATION see **PREJUDICE**

SOCIAL DISORGANIZATION see **ANOMIE**

SOCIAL DISTANCE

[Use of appropriate distance in the therapeutic relationship] Reymond V, et al. **Schweiz Rundsch Med Prax** 1984 Jan 31;73(5):125-7 **(Fre)**

SOCIAL DOMINANCE

Social and environmental influences on blood serotonin concentrations in monkeys. Raleigh MJ, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):405-10

The influence of female power in marriage on sexual behaviors and attitudes: a holocultural study. Gray JP. **Arch Sex Behav** 1984 Jun;13(3):223-31

Vasopressin impairs or enhances retention of learned submissive behavior in mice depending on the time of application. Siegfried B, et al. **Behav Brain Res** 1984 Mar; 11(3):259-69

Female-induced pregnancy block in the golden hamster. Huck UW, et al. **Behav Neural Biol** 1983 Jul;38(2):190-3

Conditions necessary to the establishment of mating dominance by the male hamster. Lisk RD, et al. **Behav Neural Biol** 1983 Sep;39(1):105-15

Relation between social rank, submissive behavior, and brain catecholamine levels in ring-necked pheasants (Phasianus colchicus). McIntyre DC, et al. **Behav Neurosci** 1983 Aug; 97(4):595-601

Individual differences in cortisol secretory patterns in the wild baboon: role of negative feedback sensitivity. Sapolsky RM. **Endocrinology** 1983 Dec;113(6):2263-7

Social status, gonadal state, and the adrenal stress response in the lizard, Anolis carolinensis. Greenberg N, et al. **Horm Behav** 1984 Mar;18(1):1-11

Matrilinear social dominance and spatial relationships among Angus and Hereford cows. Stricklin WR. **J Anim Sci** 1983 Dec;57(6):1397-405

Social avoidance and distress: its relationship to self-confidence, and needs for affiliation, change, dominance, and deference. Geist CR, et al. **J Clin Psychol** 1983 Sep;39(5):727-30

Dominance in intermale encounters and subsequent sexual success in mice. de Catanzaro D, et al. **J Comp Psychol** 1983 Sep;97(3):269-78

Alcohol misuse as a response to perceived powerlessness in the organization. Markowitz M. **J Stud Alcohol** 1984 May; 45(3):225-7

Social instability and coronary artery atherosclerosis in cynomolgus monkeys. Manuck SB, et al. **Neurosci Biobehav Rev** 1983 Winter;7(4):485-91

Loss of behavioural dominance in male mice infected with Trichinella spiralis. Rau ME. **Parasitology** 1984 Apr;88 (Pt 2):371-3

Alcohol-preferring rats in colonies show withdrawal, inactivity, and lowered dominance. Ellison G, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:565-70

Evidence for dopamine mediation of submissive gestures in the stumptail macaque monkey. Schlemmer RF Jr, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:95-102

Systolic blood pressure during the formation of a social dominance hierarchy in C57BL/6j mice. Turney TH, et al. **Physiol Behav** 1983 Sep;31(3):299-301

The effects of management program and social rank on behavior and productivity of white leghorn layers in cages. Cunningham DL, et al. **Poult Sci** 1984 Jan;63(1):25-30

Male dominance, serotonergic systems, and the behavioral and physiological effects of drugs in vervet monkeys (Cercopithecus aethiops sabaeus). Raleigh MJ, et al. **Prog Clin Biol Res** 1983;131:185-97

d-Amphetamine in squirrel monkeys of different social status: effects on social and agonistic behavior, locomotion, and stereotypies. Miczek KA, et al. **Psychopharmacology (Berlin)** 1983;81(3):183-90

Social influences on behaviour and neuroendocrine responsiveness of talapoin monkeys. Keverne EB, et al. **Scand J Psychol** 1982;Suppl 1:37-47

Hierarchy and food in Nepalese healing rituals. Stone L. **Soc Sci Med** 1983;17(14):971-8

[Reflections on the works of Antoni Kępiński] Tischner J. **Przegl Lek** 1983;40(12):855-9 **(Pol)**

[Interaction of the dominant and conditioned reflex as a functional unit of behavioral organization] Simonov PV. **Usp Fiziol Nauk** 1983 Jul-Sep;14(3):14-23 (59 ref.) **(Rus)**

SOCIAL ENVIRONMENT

Similarities in test scores and profiles of kibbutz twins and singletons. Nathan M, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):213-8

Neuronal mechanisms of experience-dependent self-organization of the mammalian visual cortex. Singer W. **Acta Morphol Hung** 1983;31(1-3):235-59

Relevance of social and behavioral factors in the evaluation of dental health care for school children. Hamp SE, et al. **Acta Odontol Scand** 1984 Apr;42(2):109-18

Familial and personal correlates (risk factors) of drug consumption among German youth. Malhotra MK. **Acta Paedopsychiatr (Basel)** 1983 Oct;49(5):199-209

Family environments of depressed outpatients. Bromet EJ, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):197-200

Rehabilitation of schizophrenics by the extended family. El-Islam MF. **Acta Psychiatr Scand** 1982 Feb;65(2):112-9

Pregnant women with nonorganic psychosis: life situation and experience of pregnancy. McNeil TF, et al. **Acta Psychiatr Scand** 1983 Dec;68(6):445-57

Social-environmental factors among light and heavy cigarette smokers: a controlled comparison with nonsmokers. Billings AG, et al. **Addict Behav** 1983; 8(4):381-91

Psychosocial processes of recovery among alcoholics and their families: implications for clinicians and program evaluators. Billings AG, et al. **Addict Behav** 1983; 8(3):205-18

Does living with smokers make quitting cigarettes more difficult? Gunn RC. **Addict Behav** 1983;8(4):429-32

Factors affecting the perception of intoxication: dose, tolerance, and setting. O'Malley SS, et al. **Addict Behav** 1984;9(2):111-20

Freedom line: increasing utilization of a telephone support service for ex-smokers. Ossip-Klein DJ, et al. **Addict Behav** 1984;9(2):227-30

The etiology of female juvenile delinquency and gang membership: a test of psychological and social structural explanations. Bowker LH, et al. **Adolescence** 1983 Winter; 18(72):739-51

A social-ecological assessment and feedback-intervention of an adolescent treatment agency. Fairchild HH, et al. **Adolescence** 1984 Summer;19(74):263-75

Aggression levels in college students after exposure or non-exposure to an aggressive life experience. Pardeck JT, et al. **Adolescence** 1983 Winter;18(72):845-50

Psychosocial characteristics of pregnant and nulliparous adolescents. Ralph N, et al. **Adolescence** 1984 Summer; 19(74):283-94

Neurobionomics of adaptive plasticity: integrating sensorimotor function with environmental demands. Jones GM, et al. **Adv Neurol** 1983;39:1047-71

Social networks of alcoholics: some early findings. Favazza AR, et al. **Alcoholism (NY)** 1984 Jan-Feb;8(1):9-15

Alcoholism treatment: new options for social intervention. Paredes A. **Alcoholism (NY)** 1984 Mar-Apr;8(2):165-6

Programs and services for the deaf in the United States. Part III. Supportive and rehabilitation programs and services. **Am Ann Deaf** 1984 Apr;129(2):213-66

The helping process in couples. Barker C, et al. **Am J Community Psychol** 1984 Jun;12(3):321-36

The mobilization of social supports: some individual constraints. Eckenrode J. **Am J Community Psychol** 1983 Oct;11(5):509-28

Social network interactions: a buffer or a stress. Fiore J, et al. **Am J Community Psychol** 1983 Aug;11(4):423-39

Social networks and work/nonwork life: action-research with nurse managers. Hirsch BJ, et al. **Am J Community Psychol** 1983 Oct;11(5):493-507

Coping with a threat to life: a longitudinal study of self-concept, social support, and psychological distress. Hobfoll SE, et al. **Am J Community Psychol** 1984 Feb; 12(1):87-100

Sources of assistance among residents of a Dutch high-rise development. Korte C, et al. **Am J Community Psychol** 1983 Dec;11(6):751-5

Coping with domestic violence: social support and psychological health among battered women. Mitchell RE, et al. **Am J Community Psychol** 1983 Dec;11(6):629-54

Context and coping: toward a unifying conceptual framework. Moos RH. **Am J Community Psychol** 1984 Feb; 12(1):5-36

Resources, life events, and changes in psychological states: a prospective framework. Murrell SA, et al. **Am J Community Psychol** 1983 Oct;11(5):473-91

Social and demographic correlates of loneliness in late life. Revenson TA, et al. **Am J Community Psychol** 1984 Feb; 12(1):71-85

Toward a multi-method approach to assessing the effects of social support. Sandler IN, et al. **Am J Community Psychol** 1984 Feb;12(1):37-52

The inventory of socially supportive behaviors: dimensionality, prediction, and gender differences. Stokes JP, et al. **Am J Community Psychol** 1984 Feb;12(1):53-69

Heroin addicts and nonaddicted brothers. Maddux JF, et al. **Am J Drug Alcohol Abuse** 1984;10(2):237-48

Reciprocal relationship between home environment and development of TMR adolescents. Nihira K, et al. **Am J Ment Defic** 1983 Sep;88(2):139-49

Interrater reliabilities of the Adaptive Behavior Scale with environmental effects controlled. Stack JG.

Am J Ment Defic 1984 Jan;88(4):396–400
Maternal stress and social support: effects on the mother–infant relationship from birth to eighteen months. Crnic KA, et al. Am J Orthopsychiatry 1984 Apr; 54(2):224–35
Black adolescents and youth: an endangered species. Gibbs JT. Am J Orthopsychiatry 1984 Jan;54(1):6–21
Social support networks: some added dimensions [letter] Huessy HR. Am J Public Health 1984 Oct;74(10):1169
The effect of mothers' social support and life changes on the stimulation of their children in the home. Pascoe JM, et al. Am J Public Health 1984 Apr;74(4):358–60
Social support and the development of vulnerable children [editorial] Shonkoff JP. Am J Public Health 1984 Apr; 74(4):310–2
Assessing the physical health effects of social networks and social support. Berkman LF. Annu Rev Public Health 1984; 5:413–32 (74 ref.)
Predicting retarded students' short-term growth from home environment. Meyers CE, et al. Appl Res Ment Retard 1984;5(1):137–46
Risk, protective factors, and supportive interventions in chronic airway obstruction. Jensen PS.
Arch Gen Psychiatry 1983 Nov;40(11):1203–7
Social and environmental influences on blood serotonin concentrations in monkeys. Raleigh MJ, et al.
Arch Gen Psychiatry 1984 Apr;41(4):405–10
Supportive exchange: an exploration of the relationship between social contacts and perceived health status in the elderly. Minkler MA, et al. Arch Gerontol Geriatr 1983 Nov;2(3):211–20
The consistency of behavioral inconsistencies. Kreitler S, et al. Arch Psychol (Frankf) 1983;135(3):199–218
Development of the pre-school child: the validation of a psychomotor screen, and the influence of the home environment on psychomotor development. Eu B, et al. Aust Paediatr J 1983 Jun;19(2):78–85
A pilot study of a support group for parents of children with eczema. McSkimming J, et al. Australas J Dermatol 1984 Apr;25(1):8–11
Conditions of illumination during rearing affect specific components of phototactic behavior of laboratory-reared Hermissenda. Crow T, et al. Behav Brain Res 1984 Apr; 12(1):81–5
Modification of inattentive classroom behavior. Hyperactive children's use of self-recording with teacher guidance. Christie DJ, et al. Behav Modif 1984 Jul;8(3):391–406
Weight control among coworkers. Effects of monetary contingencies and social milieu. Colvin RH, et al.
Behav Modif 1983 Jan;7(1):64–75
Kin recognition in Rana cascadae tadpoles: effects of rearing with nonsiblings and varying the strength of the stimulus cues. Blaustein AR, et al. Behav Neural Biol 1983 Nov; 39(2):259–67
Female-induced pregnancy block in the golden hamster. Huck UW, et al. Behav Neural Biol 1983 Jul;38(2):190–3
Residential-maze behavior of spontaneously hypertensive rats. Knardahl S, et al. Behav Neural Biol 1984 May; 41(1):84–9
Preoperative differential housing and dorsal hippocampal lesions in rats. Dalrymple-Alford JC, et al.
Behav Neurosci 1984 Feb;98(1):23–34
Voluntary control of skin temperature: role of experimenter presence versus absence. Bregman NJ, et al.
Biofeedback Self Regul 1983 Dec;8(4):543–6
The comparative behavioral effects of N,N-dimethyltryptamine and N,N-diethyltryptamine in primate dyads. Heinze WJ, et al. Biol Psychiatry 1983 Jul; 18(7):829–36
A review of the problem-prevention approach to drinking problems and an alternative programme which makes use of natural preventive resources within the community. Yates F, et al. Br J Addict 1983 Dec;78(4):355–64
The impact of care-giving on care-givers: factors associated with the psychological well-being of people supporting a dementing relative in the community. Gilhooly ML.
Br J Med Psychol 1984 Mar;57 (Pt 1):35–44
Social elements as mind. Harré R. Br J Med Psychol 1984 Jun;57 (Pt 2):127–35
Prolonged exposure to a war environment and its effects on the blood pressure of pregnant women. Rofé Y, et al.
Br J Med Psychol 1983 Dec;56 (Pt 4):305–11
Expressed emotion and social networks of parents of schizophrenic patients. Anderson CM, et al.
Br J Psychiatry 1984 Mar;144:247–55
Audience effects when viewing aggressive movies. Dunand M, et al. Br J Soc Psychol 1984 Feb;23 (Pt 1):69–76
Environmental stimuli but not homeostatic challenges produce apparent increases in dopaminergic activity in the striatum: an analysis by in vivo voltammetry. Keller RW Jr, et al. Brain Res 1983 Nov 21;279(1–2):159–70
Somatic and central nervous system growth in artificially reared rat pups. Diaz J, et al. Brain Res Bull 1983 Dec; 11(6):643–7
The effect of assembly and transit stressors on plasma fibrinogen concentration of beef calves. Phillips WA.
Can J Comp Med 1984 Jan;48(1):35–41
Social support and post hospital outcome for depressed women. Goering P, et al. Can J Psychiatry 1983 Dec; 28(8):612–23
Social environment and breast cancer. A cohort analysis of patient survival. Marshall JR, et al. Cancer 1983 Oct 15; 52(8):1546–50
Social support and the cancer patient. Conceptual and methodologic issues. Wortman CB. Cancer 1984 May 15; 53(10 Suppl):2339–62
Nutritional status, disease panorama and social background among children admitted at Mnene Hospital. Dahlin K, et al. Cent Afr J Med 1983 Jun;29(6):122–5
The role of the lay therapist in long-term treatment. Alexander H, et al. Child Abuse Negl 1982;6(3):329–34
Adopt a family—dial a granny. Barbour PJ.
Child Abuse Negl 1983;7(4):477–8
Child abuse and neglect in military and civilian families. Dubanoski RA, et al. Child Abuse Negl 1984;8(1):55–67
The role of pre-birth parent characteristics in early family development. Heinicke CM. Child Abuse Negl 1984; 8(2):169–81
Covert and overt forms of maltreatment in the preschools. Paulson JS. Child Abuse Negl 1983;7(1):45–54
Community characteristics and ethnicity in the prediction of child maltreatment rates. Spearly JL, et al.
Child Abuse Negl 1983;7(1):91–105
Informal support for the carers of disabled children. Cooke K, et al. Child Care Health Dev 1984 Mar–Apr;10(2):67–79
Honeylands' role in the pre-school years: II. Patterns of use; and III. Factors inhibiting use. Green JM, et al.
Child Care Health Dev 1984 Mar–Apr;10(2):81–98
The relation of infants' home environments to achievement test performance in first grade: a follow-up study. Bradley RH, et al. Child Dev 1984 Jun;55(3):803–9
Very young children's memory for the location of objects in a large-scale environment. DeLoache JS, et al.
Child Dev 1983 Aug;54(4):888–97
The short-term dynamics of social organization in preschool triads. McLoyd VC, et al. Child Dev 1984 Jun; 55(3):1051–70
The effects of varying environmental demands on maternal and infant behavior. Rosenblum LA, et al. Child Dev 1984 Feb;55(1):305–14
Phonefriend: a prevention-oriented service for latchkey children. Guerney L, et al. Child Today 1983 Jul–Aug; 12(4):5–10
Self-help support groups for Hispanic mothers. Leon AM, et al. Child Welfare 1984 May–Jun;63(3):261–8
Social support as a mediator of psychological dysfunctioning and a determinant of renal failure outcomes. Burton HJ, et al. Clin Exp Dial Apheresis 1983;7(4):371–89
Convalescence following physical trauma: social determinants of subjective recovery. Somers RL.
Community Health Stud 1984;8(2):167–71
The measurement of social support: the Social Support Network Inventory. Flaherty JA, et al.
Compr Psychiatry 1983 Nov–Dec;24(6):521–9
Life events and social supports in families with a two-year-old: methods and preliminary findings. Garrison W, et al. Compr Psychiatry 1983 Sep–Oct;24(5):439–52
Socio-biological psychiatry. Van Praag HM.
Compr Psychiatry 1981 Sep–Oct;22(5):441–50
Wives of COPD patients. Cast in the role of caretaker. Sexton DL. Conn Med 1984 Jan;48(1):37–40
Idioms of distress: kinship and sickness among the people of the Kingdom of Tonga. Parsons CD.
Cult Med Psychiatry 1984 Mar;8(1):71–93
Perceptual imprinting: genetic influences and genotype-environment interactions. Kovach JK, et al.
Dev Psychobiol 1983 Sep;16(5):413–22
Homes for the aged—improving their interiors. Rapelje DH, et al. Dimens Health Serv 1984 Jun;61(6):22–4
Breaking the 'detox-loop' for alcoholics with social detoxification. Richman A, et al. Drug Alcohol Depend 1984 Jan;13(1):65–73
The geographical approach to urban environment-health relationships. Barbash NB. Ecol Dis 1983;2(2):117–23
Evolutionary and social aspects of disease. Russell WM, et al. Ecol Dis 1983;2(2):95–106
Ecological approach to cancer epidemiology. Smulevich VB. Ecol Dis 1983;2(1):75–9
Environmental parameters in the experimental evaluation of a respiratory aggression. Stupfel M, et al. Ecol Dis 1983; 2(1):67–73
Environment and secular changes in modern man. Wolański N, et al. Ecol Dis 1983;2(2):107–16
Modern diseases, seen from a Highland practice. An ecological approach. Yellowlees WW. Ecol Dis 1983; 2(1):81–91
A framework and themes for social network intervention. Erickson GD. Fam Process 1984 Jun;23(2):187–204
Perceptions of family environment among psychiatric patients and their wives. Spiegel D, et al. Fam Process 1983 Dec;22(4):537–47
Stresses and coping in ICU nursing: why support groups fail. Weiner MF, et al. Gen Hosp Psychiatry 1983 Sep; 5(3):179–83
Voluntary care for the elderly mentally infirm and their relatives: a British example. Bernard M. Gerontologist 1984 Apr;24(2):116–9
Strain among caregivers: a study of experience in the United States. Cantor MH. Gerontologist 1983 Dec;23(6):597–604
The Chinese family and support of the elderly in Hong Kong. Chow NW. Gerontologist 1983 Dec;23(6):584–8
Network interventions: do they work? Cohen CI, et al.
Gerontologist 1984 Feb;24(1):16–22
Family support for the elderly in Egypt. Fadel-Girgis M.
Gerontologist 1983 Dec;23(6):589–92
Patterns of informal social support of the elderly: an international comparison. Fleishman R, et al.
Gerontologist 1984 Jun;24(3):303–12
Natural helping among older adults. Goodman CC.
Gerontologist 1984 Apr;24(2):138–43
Aging and family resources: availability and proximity of kin. Hays JA. Gerontologist 1984 Apr;24(2):149–53
Environmental determinants of neighborhood satisfaction among urban elderly men. Jirovec RL, et al.
Gerontologist 1984 Jun;24(3):261–5
Dyadic family relations and social support. Johnson CL.
Gerontologist 1983 Aug;23(4):377–83
A longitudinal study of family supports to impaired elderly. Johnson CL, et al. Gerontologist 1983 Dec;23(6):612–8
Family support of the Australian aged: a comparison with the United States. Kendig HL, et al. Gerontologist 1983 Dec;23(6):643–9
Environment and other determinants of well-being in older people. Lawton MP. Gerontologist 1983 Aug;23(4):349–57 (49 ref.)
International symposium: the family as a source of support for the elderly. Introduction: cross-national reports on elder care in developed and developing countries. Little VC. Gerontologist 1983 Dec;23(6):573–5
Family care in Japan. Maeda D. Gerontologist 1983 Dec; 23(6):579–83
Assessing the social environments of sheltered care settings. Moos RH, et al. Gerontologist 1979 Feb;19(1):74–82
Age segregation and the interpersonal involvement and morale of the aged. Poulin JE. Gerontologist 1984 Jun; 24(3):266–9
Intergenerational neighborhood networks: a basis for aiding the frail elderly. Pynoos J, et al. Gerontologist 1984 Jun; 24(3):233–7
Engaging families as support resources in nursing home care: ambiguity in the subdivision of tasks. Rubin A, et al.
Gerontologist 1983 Dec;23(6):632–6
The family as a social support system in old age. Shanas E. Gerontologist 1979 Apr;19(2):169–74
Economic pressures resulting from aging of kibbutz society. Shomaker D. Gerontologist 1984 Jun;24(3):313–7
Social support and well-being among residents of planned housing. Stephens MA, et al. Gerontologist 1984 Apr; 24(2):144–8
Factors contributing to older persons' satisfaction with their communities. Toseland R, et al. Gerontologist 1978 Aug; 18(4):395–402
Three issues from the Israeli scene. Weihl H.
Gerontologist 1983 Dec;23(6):576–8
The Polish family tradition. Worach-Kardas H.
Gerontologist 1983 Dec;23(6):593–6
Social networks among elderly women: implications for health education practice. Israel BA, et al.
Health Educ Q 1983 Fall–Winter;10(3–4):173–203
Meeting the educational and psychosocial needs produced by a diagnosis of pediatric/adolescent cancer. Nathanson MN, et al. Health Educ Q 1984 Spring;10 Suppl:67–75
Pregnancy and motherhood among Mexican American adolescents. Becerra RM, et al. Health Soc Work 1984 Spring;9(2):106–23
Parent-time: psychoeducational groups for parents of adolescents. Cohen M, et al. Health Soc Work 1983 Summer;8(3):196–202
Group support for the recently bereaved. Roy PF, et al.
Health Soc Work 1983 Summer;8(3):230–2
The New York State community support system: a profile of clients. Baker F, et al. Hosp Community Psychiatry 1984 Jan;35(1):39–44
Alcoholism rehabilitation: a supportive approach. Berger F.
Hosp Community Psychiatry 1983 Nov;34(11):1040–3
Disseminating the principles of a community support program. Cutler DL, et al. Hosp Community Psychiatry 1984 Jan;35(1):51–5
Restrictiveness of care among the severely mentally disabled. Hargreaves WA, et al. Hosp Community Psychiatry 1984 Jul;35(7):706–9
Youth of the '60s [letter] Harris M, et al.
Hosp Community Psychiatry 1983 Dec;34(12):1164
A comparative analysis of the young adult chronic patient in New York State's community support system. Intagliata J, et al. Hosp Community Psychiatry 1984 Jan;35(1):45–50
Life events and interdependent lives. Implications for research and intervention. Pruchno RA, et al.
Hum Dev 1984;27(1):31–41
The process of self-help: the community's role. Einstein S.
Int J Addict 1983 May;18(4):569–76
A contextual analysis of drinking events. Harford TC.
Int J Addict 1983 Aug;18(6):825–34
Social ease in drinking situations among college students. Shore ER. Int J Addict 1983 Aug;18(6):875–80
Ward atmosphere as a factor in irregular discharge from an alcohol rehabilitation unit. Verinis JS. Int J Addict 1983 Aug;18(6):895–9
Environmental satisfaction, sociability, and well-being among urban elderly. Barresi CM, et al.
Int J Aging Hum Dev 1983–84;18(4):277–93
An evaluation of two visiting programs for elderly community residents. Bogat GA, et al.
Int J Aging Hum Dev 1983;17(4):267–80
The situational relationship between age and the fear of crime. Jeffords CR. Int J Aging Hum Dev 1983;

17(2):103–11
Informal support resources for vulnerable elderly persons: can they be counted on, why do they work? Morris JN, et al. **Int J Aging Hum Dev** 1983–84;18(2):81–98
Specificity and substitution in the social networks of the elderly. Simons RL. **Int J Aging Hum Dev** 1983–84; 18(2):121–39
Effects of group confrontation with death and dying. Spiegel D, et al. **Int J Group Psychother** 1983 Oct;33(4):433–47
The effects of the social relations of production on productivity and workers' safety: an ignored set of relationships. Grunberg L. **Int J Health Serv** 1983; 13(4):621–34
Play activities of mentally handicapped children at home and mothers' perception of play. McEvoy J, et al. **Int J Rehabil Res** 1983 Jun;6(2):143–51
Comparisons of children of depressed and nondepressed parents: a social–environmental perspective. Billings AG, et al. **J Abnorm Child Psychol** 1983 Dec;11(4):463–85
Symptoms, hassles, social supports, and life events: problem of confounded measures. Dohrenwend BS, et al. **J Abnorm Psychol** 1984 May;93(2):222–30
Social support as a moderator of the aftereffects of stress in female psychiatric inpatients. Kiecolt–Glaser JK, et al. **J Abnorm Psychol** 1984 May;93(2):192–9
Is increased arousal in social anxiety noticed by others? McEwan KL, et al. **J Abnorm Psychol** 1983 Nov; 92(4):417–21
Prediction of psychological symptoms under high–risk psychosocial circumstances: life events, social support, and symptom specificity. Monroe SM, et al. **J Abnorm Psychol** 1983 Aug;92(3):338–50
Herpes: coping and caring—a total college health program. Anderson MB, et al. **J Am Coll Health** 1983 Dec; 32(3):128–9
The assessment of social networks and social support in the elderly. Berkman LF. **J Am Geriatr Soc** 1983 Dec; 31(12):743–9
More than networking. Newman R. **J Am Med Wom Assoc** 1983 Nov–Dec;38(6):164, 169
Behavior and performance of pigs grouped by three different methods at weaning. Friend TH, et al. **J Anim Sci** 1983 Dec;57(6):1406–11
Measuring social support: a synthesis of current approaches. Bruhn JG, et al. **J Behav Med** 1984 Jun;7(2):151–69
Type A behavior: an ecological approach. Margolis LH, et al. **J Behav Med** 1983 Sep;6(3):245–58
In–home parent training, treatment of migraine headaches, and marital counseling as an ecobehavioral approach to prevent child abuse. Campbell RV, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):147–54
Dry bed training without a urine alarm: lack of effect of setting and therapist contact with child. Keating JC Jr, et al. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):109–15
Epidemiology, genetics and sociology. Himsworth H. **J Biosoc Sci** 1984 Apr;16(2):159–76
Biology and social structure. Olivier G, et al. **J Biosoc Sci** 1983 Oct;15(4):379–89
The relation of temperament and social factors to behavior problems in three–year–old children. Barron AP, et al. **J Child Psychol Psychiatry** 1984 Jan;25(1):23–33
Constancy and change in the growth of human characteristics. Clarke AD, et al. **J Child Psychol Psychiatry** 1984 Apr;25(2):191–210
Informal support for disabled persons: a role for religious and community organizations. Cluff CB, et al. **J Chronic Dis** 1983;36(12):815–20
The impact of a psychosocial support program on survival with breast cancer: the importance of selection bias in program evaluation. Morgenstern H, et al. **J Chronic Dis** 1984;37(4):273–82
The brain as a dependent variable. Bakker DJ. **J Clin Neuropsychol** 1984 Feb;6(1):1–16
An investigation into the response of subjects to a plaque control programme as influenced by friends and relatives. Lim CS, et al. **J Clin Periodontol** 1984 Aug;11(7):432–42
Therapeutic influence as a function of therapist attire and the seating arrangement in an initial interview. Gass CS. **J Clin Psychol** 1984 Jan;40(1):52–7
Community adjustment among older depressives. Hyer L, et al. **J Clin Psychol** 1984 May;40(3):659–68
Relationship between the social and demographic characteristics of post–sentence offenders and the outcomes of forensic psychiatric referrals. Prandoni JR. **J Clin Psychol** 1984 Jan;40(1):309–22
Effects of novelty and familiarity on illness–induced aversions to food and place cues in coyotes (Canis latrans). Ellins SR, et al. **J Comp Psychol** 1983 Dec;97(4):302–9
A failure to find socially mediated taste aversion learning in Norway rats (R. norvegicus). Galef BG Jr, et al. **J Comp Psychol** 1983 Dec;97(4):358–63
Home– versus clinic–based treatment of vascular headache. Jurish SE, et al. **J Consult Clin Psychol** 1983 Oct; 51(5):743–51
Effects of exposure to pups on maternal behaviour, sexual behaviour and serum prolactin concentrations in male rats. Södersten P, et al. **J Endocrinol** 1984 Jul;102(1):115–9
Are theories of perception necessary? A review of Gibson's The Ecological Approach to Visual Perception. Costall AP. **J Exp Anal Behav** 1984 Jan;41(1):109–15
Instructional ecology and academic responding time for students at three levels of teacher–perceived behavioral competence. Graden J, et al. **J Exp Child Psychol** 1983 Oct;36(2):241–56
Children and adults' distance estimations in a large–scale environment: effects of time and clutter. Herman JF, et al. **J Exp Child Psychol** 1983 Dec;36(3):453–70
Effect of spouse support and health beliefs on medication adherence. Doherty WJ, et al. **J Fam Pract** 1983 Nov; 17(5):837–41
Affective behavior of abused and control children: comparisons of parent–child interactions and the influence of home environment variables. Giblin PT, et al. **J Genet Psychol** 1984 Mar;144(1st Half):69–82
Ethnic and cultural variations in the care of the aged. Hispanic elderly and natural support systems: a special focus on Puerto Ricans. Delgado M. **J Geriatr Psychiatry** 1982;15(2):239–55
Beneficence and the aged. Dowd JJ. **J Gerontol** 1984 Jan; 39(1):102–8
Old age and environmental docility: the roles of health, support and personality. Morgan TJ, et al. **J Gerontol** 1984 Mar;39(2):240–2
Senior center utilization by black elderly adults: social, attitudinal and knowledge correlates. Ralston PA. **J Gerontol** 1984 Mar;39(2):224–9
Informal networks and knowledge of services for older persons. Ward RA, et al. **J Gerontol** 1984 Mar;39(2):216–23
Subjective network assessments and subjective well–being. Ward RA, et al. **J Gerontol** 1984 Jan;39(1):93–101
Methodological issues in estimating main and interactive effects: examples from coping/social support and stress field. Finney JW, et al. **J Health Soc Behav** 1984 Mar; 25(1):85–98
Antecedents of psychological distress in young adults: self–rejection, deprivation of social support, and life events. Kaplan HB, et al. **J Health Soc Behav** 1983 Sep; 24(3):230–44
Depression–mobility and its social etiology: the role of life events and social support. Lin N, et al. **J Health Soc Behav** 1984 Jun;25(2):176–88
Medical telecommunication support to crews on ocean–going vessels. Ohashi N. **J Hum Ergol (Tokyo)** 1982;11 Suppl:527–32
Social support for night and shiftworkers. Thierry H, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:483–98
Evaluation of a small–group support program for first–year medical students. Ficklin FL, et al. **J Med Educ** 1983 Oct; 58(10):817–9
Evaluating self–help support groups for medical students. Goetzel RZ, et al. **J Med Educ** 1984 Apr;59(4):331–40
Chronic and nonchronic unipolar depression. The differential role of environmental stressors and resources. Billings AG, et al. **J Nerv Ment Dis** 1984 Feb;172(2):65–75
Coping, stress, and social resources among adults with unipolar depression. Billings AG, et al. **J Pers Soc Psychol** 1984 Apr;46(4):877–91
Personality and social resources in stress resistance. Kobasa SC, et al. **J Pers Soc Psychol** 1983 Oct;45(4):839–50
Social anxiety, sexual behavior, and contraceptive use. Leary MR, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1347–54
Social and emotional loneliness: an examination of Weiss's typology of loneliness. Russell D, et al. **J Pers Soc Psychol** 1984 Jun;46(6):1313–21
Vulnerability of self and interpersonal strategies: a study of the aged. Kafer NF, et al. **J Psychol** 1984 Mar;116(2d Half):203–6
Effects of mutual invisibility and topical intimacy on verbal fluency in dyadic communication. Siegman AW, et al. **J Psycholinguist Res** 1983 Sep;12(5):443–55
Self–reliance as a modifier of the effects of life stress and social support. Funch DP, et al. **J Psychosom Res** 1984; 28(1):9–15
Stress, social and cultural variations in heart disease. Marmot MG. **J Psychosom Res** 1983;27(5):377–84
Effect of period of grouping of donors and duration of stimulus exposure on delay of puberty in female mice by a urinary chemosignal from grouped females. Drickamer LC. **J Reprod Fertil** 1983 Nov;69(2):723–7
Social contexts and motives for drinking in men. Glynn RJ, et al. **J Stud Alcohol** 1983 Nov;44(6):1011–25
Psychosocial correlates of alcohol and drug use of adolescent students and adolescents in treatment. Pandina RJ, et al. **J Stud Alcohol** 1983 Nov;44(6):950–73
Judicial failure to thrive. Stern HP, et al. **JDBP** 1984 Jun; 5(3):139–41
Effects of single– and mixed–sex caging on postweaning development in the rabbit. Bell DJ, et al. **Lab Anim** 1984 Jul;18(3):267–70
Dietary modulation of estrous cyclicity in singly and multiply housed C57BL/6J mice. Nelson JF, et al. **Lab Anim Sci** 1984 Apr;34(2):173–6
Practical help. Hopkins A. **Lancet** 1984 Jun 23;1(8391):1393–6
Bereavement and social support at the climacteric. Greene JG. **Maturitas** 1983 Aug;5(2):115–24
The impact of social support networks on adult health. Asher CC. **Med Care** 1984 Apr;22(4):349–59
Respite services in California: status and recommendations for improvement. Apolloni AH, et al. **Ment Retard** 1983 Dec;21(6):240–3
Enhancing social support for parents of developmentally disabled children: training in interpersonal problem solving skills. Intagliata J, et al. **Ment Retard** 1984 Feb;22(1):4–11
Impact of respite care on parents' perceptions of quality of life. Joyce K, et al. **Ment Retard** 1983 Aug;21(4):153–6
Presidential address 1983. Social support of mentally retarded persons. O'Connor G. **Ment Retard** 1983 Oct;21(5):187–96 (125 ref.)
Getting there: directions given by mildly retarded and nonretarded adults. Kernan KT, et al. **Monogr Am Assoc Ment Defic** 1984;(6):27–41
The social structures of mildly mentally retarded Afro–Americans: gender comparisons. Mitchell–Kernan C, et al. **Monogr Am Assoc Ment Defic** 1984;(6):173–92
Influence of social environmental factors on cerebral circulation and mental function in the normal aged. Kobayashi S, et al. **Monogr Neural Sci** 1984;11:163–8
Social environment and cancer mortality (continued) [letter] Centerwall BS. **N Engl J Med** 1984 Jan 12;310(2):130–1
Problems in methadone treatment: the influence of reference groups. Hunt DE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:8–22
Social–psychological approaches. McAlister AL. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:36–50
Correlates of adaptation to the sleep laboratory. Behavior, sleep organization, quantitative EEG. Rosadini G, et al. **Neuropsychobiology** 1983;10(2–3):178–82
Neuropsychological effects of lead in children: interactions with social background variables. Winneke G, et al. **Neuropsychobiology** 1984;11(3):195–202
Social instability and coronary artery atherosclerosis in cynomolgus monkeys. Manuck SB, et al. **Neurosci Biobehav Rev** 1983 Winter;7(4):485–91
Medial preoptic neuronal responses to connatural females in sexually inactive male monkeys (Macaca fuscata). Aou S, et al. **Neurosci Lett** 1984 Feb 10;44(2):217–21
Stress in the workplace: an integrated approach. Goldberg RJ. **New Dir Ment Health Serv** 1983 Dec;(20):65–74
Community support systems for deinstitutionalized patients. Johnson PJ. **New Dir Ment Health Serv** 1983 Mar; (17):81–92
Accommodation to contrast: being different in the organization. Sodano AG, et al. **New Dir Ment Health Serv** 1983 Dec;(20):25–36
Models of family–centered care in one acute care institution. Pearlmutter DR, et al. **Nurs Clin North Am** 1984 Mar; 19(1):173–88
Stress–buffering effects of social support on maternal discipline. Brandt PA. **Nurs Res** 1984 Jul–Aug;33(4):229–34
Measurement of the nurse organizational climate of neonatal intensive care units. Duxbury ML, et al. **Nurs Res** 1982 Mar–Apr;31(2):83–8
The relationship between social support and self–care practices. Hubbard P, et al. **Nurs Res** 1984 Sep–Oct; 33(5):266–70
Eating disorders: physical or psychological starvation? Fried R. **Ohio State Med J** 1984 Feb;80(2):77–8
Social and nonsocial home environments of infants with nonorganic failure–to–thrive. Casey PH, et al. **Pediatrics** 1984 Mar;73(3):348–53
The Work Environment Scale and the Ward Atmosphere Scale (short forms): psychometric data. Abraham IL, et al. **Percept Mot Skills** 1984 Feb;58(1):319–22
Influence of personal and academic experiences on formation of attitudes toward mentally retarded adults. Hagen BH, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):835–8
Model of ecological (cultural) evolutionary neuropsychiatry. Pontius AA. **Percept Mot Skills** 1984 Feb;58(1):143–8
Alcohol–preferring rats in colonies show withdrawal, inactivity, and lowered dominance. Ellison G, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:565–70
Rehabilitation of the older person: a psychosocial focus. Lewis CB. **Phys Ther** 1984 Apr;64(4):517–22
Rearing rats with mice prevents induction of mouse killing by lesions of the septum but not lesions of the medial hypothalamus or medial accumbens. Albert DJ, et al. **Physiol Behav** 1984 Jan;32(1):143–5
Differential rearing affects responsiveness of rats to depressant and convulsant drugs. Juraska JM, et al. **Physiol Behav** 1983 Nov;31(5):711–5
Experience–based vocalization of male mice to female chemosignals. Maggio JC, et al. **Physiol Behav** 1983 Sep; 31(3):269–72
Maternal behavior priming in virgin and caesarean–delivered Long–Evans rats: effects of brief contact or continuous exteroceptive pup stimulation. Stern JM. **Physiol Behav** 1983 Dec;31(6):757–63
Exposure to men influences the occurrence of ovulation in women. Veith JL, et al. **Physiol Behav** 1983 Sep;31(3):313–5
Grower diets and bird density effects on growth and cannibalism in ring–necked pheasants. Cain JR, et al. **Poult Sci** 1984 Mar;63(3):450–7
Grouping in Japanese quail 2. Suppression of humoral immunity. Edens FW, et al. **Poult Sci** 1983 Dec; 62(12):2479–85
A program to encourage early detection and treatment of breast cancer by giving information and emotional support. Kushner R. **Prog Clin Biol Res** 1983;130:493–502
Normalization of dexamethasone test associated with social support system improvement. Schwartz LS. **Psychiatr J Univ Ottawa** 1984 Mar;9(1):45–6
Urinary MHPG and ward behavior in unmedicated psychiatric patients. Mueser KT, et al. **Psychiatry Res** 1983 Dec;10(4):275–83
The behaviour of schizophrenic day–patients at home: an assessment by relatives. Hewitt KE. **Psychol Med** 1983

Nov;13(4):885–9
Psychosocial intervention with cancer patients: a review. Watson M. **Psychol Med** 1983 Nov;13(4):839–46
Selection of landmarks as a correlate of cognitive map organization. Hardwick DA, et al. **Psychol Rep** 1983 Dec; 53(3 Pt 1):807–13
Family backgrounds of gay fathers: a descriptive study. Skeen P, et al. **Psychol Rep** 1984 Jun;54(3):999–1005
Relationship between experienced control and domiciles of elderly persons. Tiffany PG, et al. **Psychol Rep** 1984 Jun; 54(3):731–6
Psychosocial and biological influences on menstruation: synchrony, cycle length, and regularity. Jarett LR. **Psychoneuroendocrinology** 1984;9(1):21–8
Family structure as recalled by borderline patients. Snyder S, et al. **Psychopathology** 1984;17(2):90–7
Blood pressure, relative weight, and psychosocial resources. Dressler WW. **Psychosom Med** 1983 Dec;45(6):527–36
Social supports as stress buffers for adult cancer patients. Revenson TA, et al. **Psychosom Med** 1983 Aug; 45(4):321–31
Management of dementia in the family context. Rabins PV. **Psychosomatics** 1984 May;25(5):369–71, 374–5
Responses to mirror image stimulation and assessment of self-recognition in mirror- and peer-reared stumptail macaques. Anderson JR. **Q J Exp Psychol [B]** 1983 Aug; 35 (Pt 3):201–12
Aging and alcohol problems. Opportunities for socioepidemiological research. Douglass RL. **Recent Dev Alcohol** 1984;2:251–66
Social models of drinking behavior in animals. The importance of individual differences. Ellison GD, et al. **Recent Dev Alcohol** 1984;2:17–36
Commentary on the utility of experimental social and learning models of alcoholism. Holloway FA, et al. **Recent Dev Alcohol** 1984;2:81–90
Social-network considerations in the alcohol field. Maida CA. **Recent Dev Alcohol** 1984;2:339–53
Social correlates of drinking in contrived situations. Paredes A, et al. **Recent Dev Alcohol** 1984;2:37–57
The relation of life stress and social support to emotional disequilibrium during pregnancy. Tilden VP. **Res Nurs Health** 1983 Dec;6(4):167–74
A search for the ideal society. The assimilation of immigrants into American life. Oishi S. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):109–20
A study of psycho-social aspects of both haemophiliacs and carriers in Greece. Pittadaki J, et al. **Scand J Haematol [Suppl]** 1984;40:87–90
Measurements of social support in schizophrenia. Beels CC, et al. **Schizophr Bull** 1984;10(3):399–411 (66 ref.)
Personal losses and deficiencies in social networks. Brugha TS. **Soc Psychiatry** 1984;19(2):69–74
Interpreting the evidence on social support. Henderson AS. **Soc Psychiatry** 1984;19(2):49–52 (40 ref.)
Social support and depression. A panel study. Lin N, et al. **Soc Psychiatry** 1984;19(2):83–91
Causes of adolescent cigarette smoking: tests of a structural equation model. McAllister AL, et al. **Soc Psychol Q** 1984 Mar;47(1):24–36
Social support, social influence, ethnicity and the breastfeeding decision. Baranowski T, et al. **Soc Sci Med** 1983;17(21):1599–611
Societal integration of the disabled: power struggle or enhancement of individual coping capacities. Ben-Sira Z. **Soc Sci Med** 1983;17(15):1011–6
Australia's environment and its influences on health. Brownlea AA, et al. **Soc Sci Med** 1984;18(11):901–7
Social support and compliance: a selective review and critique of treatment integrity and outcome measurement. Levy RL. **Soc Sci Med** 1983;17(18):1329–38 (71 ref.)
Social support and mental health: direct, protective and compensatory effects. Syrotuik J, et al. **Soc Sci Med** 1984; 18(3):229–36
The movement for independent living: an evaluation and critique. Williams GH. **Soc Sci Med** 1983;17(15):1003–10
Towards more effective intervention in natural helping networks. Wilson PA. **Soc Work Health Care** 1983 Winter; 9(2):81–8
Definitions, models, and methods in research on sociocultural factors in American Indian alcohol use. Walker RD, et al. **Subst Alcohol Actions Misuse** 1984;5(1):9–19
[European models of care for the mental health of the elderly] Kalvach Z. **Cas Lek Cesk** 1983 Nov 18;122(46):1436–7 **(Cze)**
[Diagnosis of the social assistance needs of the elderly] Stránská D. **Cas Lek Cesk** 1984 Mar 9;123(10):286–9 (Eng. Abstr.) **(Cze)**
[Social geriatric examination] Sipsma DH. **Tijdschr Gerontol Geriatr** 1983 Dec;14(6):231–5 (Eng. Abstr.) **(Dut)**
[The support of relatives of the demented elderly] Van de Ven L, et al. **Tijdschr Gerontol Geriatr** 1983 Aug; 14(4):149–56 (Eng. Abstr.) **(Dut)**
[Comparative study of an English language population consulting a child psychiatric service in Geneva] Luke AS. **Acta Paedopsychiatr (Basel)** 1983 Oct;49(5):239–46 (Eng. Abstr.) **(Fre)**
[Psychosocial influences in the precipitation of schizophrenia. A study using the AMPD (Association for Methodology and Documentation in Psychiatry) system] Sánchez Blanque A, et al. **Acta Psychiatr Belg** 1983 May–Jun; 83(3):282–8 (Eng. Abstr.) **(Fre)**
[Vitamin D deficiency in the elderly. Role of the social life style and autonomy (letter)] Sebag-Lanoe R, et al. **Presse Med** 1983 Dec 24;12(47):3005 **(Fre)**
[Guest editorial from the psychosocial viewpoint: plea for a neglected research perspective] Hornung R. **Acta Paedopsychiatr (Basel)** 1983 Oct;49(5):195–7 **(Ger)**
[Empirical study of the social status of aphasia patients] Joussen K, et al. **Folia Phoniatr (Basel)** 1984;36(2):66–73 (Eng. Abstr.) **(Ger)**
[Model concepts of the interaction of biological and psychosocial factors in schizophrenia] Ciompi L. **Fortschr Neurol Psychiatr** 1984 Jun;52(6):200–6 (Eng. Abstr.) **(Ger)**
[Case report on the positive development and caught-up growth in a child with psychosocial dwarfism] Wille A, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):483–8 (Eng. Abstr.) **(Ger)**
[Contact and psychosocial encounter centers—2 years' experience under the sponsorship of the Public Health Department of the city of Cologne] Theisohn I. **Off Gesundheitswes** 1984 Jan;46(1):20–4 **(Ger)**
[Diagnosis of the social environment in psychodrama] Schönke M. **Prax Kinderpsychol Kinderpsychiatr** 1983 Aug–Sep;32(6):213–8 (Eng. Abstr.) **(Ger)**
[Factors delaying rehabilitation in inpatient treatment of schizophrenic patients] Macholdt U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Apr;36(4):202–9 (Eng. Abstr.) **(Ger)**
[Differences in behavior evaluation of normally intelligent children with school difficulties by parents and teacher] Vehreschild T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Oct; 35(10):598–603 (Eng. Abstr.) **(Ger)**
[Social control and social support in conditions of community psychiatric care] Dziewas H, et al. **Psychiatr Prax** 1984 May;11(3):81–5 (Eng. Abstr.) **(Ger)**
[A program for the care of relatives of schizophrenic patients] Olbrich R, et al. **Psychiatr Prax** 1983 Nov;10(6):189–93 (Eng. Abstr.) **(Ger)**
[Transcultural social psychiatric treatment. Case report of a suicide attempt] Zinck H. **Psychiatr Prax** 1984 Jan; 11(1):20–5 (Eng. Abstr.) **(Ger)**
[The social network of the alcoholic] Angermeyer MC, et al. **Psychother Psychosom Med Psychol** 1984 Jan;34(1):1–9 (Eng. Abstr.) **(Ger)**
[Interplay of social, intrapsychological and biological factors for the etiopathogenesis of anorexia nervosa] Ehle G. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(1):81–91 (Eng. Abstr.) **(Ger)**
[Multidimensional evaluation of clinical geriatric psychiatry exemplified by the therapy-modifying effect of ecological variables] Bergener M, et al. **Soz Praventivmed** 1983; 28(6):302–6 (Eng. Abstr.) **(Ger)**
[Social environment of the psychic crisis situation] Katschnig H. **Wien Klin Wochenschr [Suppl]** 1983;145:6–9 (Eng. Abstr.) **(Ger)**
[Status and substance of child-environment relations and their significance for the etiology of behavioral conspicuousness in childhood and adolescence. I] Neumärker KJ. **Z Arztl Fortbild (Jena)** 1983;77(16):671–6 **(Ger)**
[The subject and circumstances of child-environment relations and their importance for the etiology of behavior peculiarities in childhood and adolescence from medical viewpoint 2.] Neumärker KJ. **Z Arztl Fortbild (Jena)** 1983; 77(17):713–9 (0 ref.) **(Ger)**
[Effect of sociobiological phenomena on the concentration of selected serum proteins in the rat] Schade R, et al. **Z Versuchstierkd** 1983;25(5):251–62 (Eng. Abstr.) **(Ger)**
[Statistically viewed 'schizophrenic patients' and the psychiatric treatment system—from a sociologic perspective] Munakata T. **Seishin Shinkeigaku Zasshi** 1983; 85(10):660–70 **(Jpn)**
[Social environment and health] Tatoń J. **Pol Tyg Lek** 1983 Aug 29;38(35):1091–3 **(Pol)**
[Model of proper nutrition in the opinion of Warsaw adolescents (relationship to sex and social environment] Narojek L, et al. **Rocz Panstw Zakl Hig** 1983; 34(5–6):429–37 (Eng. Abstr.) **(Pol)**

SOCIAL FACILITATION

Social-environmental factors among light and heavy cigarette smokers: a controlled comparison with nonsmokers. Billings AG, et al. **Addict Behav** 1983; 8(4):381–91
Does living with smokers make quitting cigarettes more difficult? Gunn RC. **Addict Behav** 1983;8(4):429–32
Social ease in drinking situations among college students. Shore ER. **Int J Addict** 1983 Aug;18(6):875–80
The effects of scheduling format and booster sessions on a broad-spectrum psychosocial approach to smoking prevention. Botvin GJ, et al. **J Behav Med** 1983 Dec; 6(4):359–79
Facilitation of sociomoral reasoning in delinquents. Gibbs JC, et al. **J Consult Clin Psychol** 1984 Feb;52(1):37–45
Obesity, externality, and susceptibility to social influence: an integrated analysis. Herman CP, et al. **J Pers Soc Psychol** 1983 Oct;45(4):926–34
External threat and the definition of deviance. Laudedale P, et al. **J Pers Soc Psychol** 1984 May;46(5):1058–68
Social facilitation of running: an unobtrusive study. Worringham CJ, et al. **J Soc Psychol** 1983 Oct;121(1st Half):23–9
Epidemic grieving at a birthday party: a case of mass hysteria. Roback HB, et al. **JDBP** 1984 Apr;5(2):86–9
Social facilitation: a meta-analysis of 241 studies. Bond CF Jr, et al. **Psychol Bull** 1983 Sep;94(2):265–92 (304 ref.)

SOCIAL IDENTIFICATION see under **SOCIAL BEHAVIOR**

SOCIAL INSURANCE see **SOCIAL SECURITY**

SOCIAL INTERACTION see **INTERPERSONAL RELATIONS**

SOCIAL ISOLATION

Social and demographic correlates of loneliness in late life. Revenson TA, et al. **Am J Community Psychol** 1984 Feb; 12(1):71–85
Effects of housing and chronic cannulation on plasma ACTH and corticosterone in the rat. Fagin KD, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E515–20
Psychopathological effects of solitary confinement. Grassian S. **Am J Psychiatry** 1983 Nov;140(11):1450–4
Effects of isolation and food restriction begun at 50 days on the development of age-associated renal disease in the male Wistar rat. Wyndham JR, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):317–32
Survival, bodyweight and food consumption data obtained from life span rodent studies in isolated animal units. Hiscox DN, et al. **Arch Toxicol [Suppl]** 1983;6:357–60
The effect of conspecifics on corticoadrenal response of rats to a novel environment. Armario A, et al. **Behav Neural Biol** 1983 Mar;37(2):332–7
Reality orientation therapy—a controlled trial. Wallis GG, et al. **Br J Med Psychol** 1983 Sep;56 (Pt 3):271–7
Effects of tegmental lesions on the isolation call of squirrel monkeys. Newman JD, et al. **Brain Res** 1982 Jan 28; 232(2):317–30
Feeding the 'turtle': helping the withdrawn child to emerge. Koplow L. **Child Today** 1983 Sep–Oct;12(5):14–7
The influence of neonatal treatment with guanethidine on the development of isolation-induced hypertension in adult rats. Gardiner SM, et al. **Clin Sci** 1983 Nov;65(5):469–74
Kittens as therapists: social behavior sequences in isolated squirrel monkeys after exposure to young nonconspecifics. Huebner DK, et al. **Dev Psychobiol** 1984 May;17(3):233–42
Differential rearing experience, gender, and radial maze performance. Juraska JM, et al. **Dev Psychobiol** 1984 May; 17(3):209–15
Individually housed rats exceed group-housed animals in rotational movements when exposed to a novel environment. Gentsch C, et al. **Experientia** 1983 Dec 15; 39(12):1412–4
Isolation and the symptoms of chronic brain syndrome. Ernst P, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):468–74 (53 ref.)
Discriminators of loneliness among the rural elderly: implications for intervention. Kivett VR. **Gerontologist** 1979 Feb;19(1):108–15
Environmental programming for the socially isolated aging. MacDonald ML. **Gerontologist** 1978 Aug;18(4):350–4
The effect of social isolation on androgen and corticosteroid levels in a cichlid fish (Haplochromis burtoni) and in swordtails (Xiphophorus helleri). Hannes RP, et al. **Horm Behav** 1983 Sep;17(3):292–301
Reducing the use of restrictive procedures in a residential facility. Davidson NA, et al. **Hosp Community Psychiatry** 1984 Feb;35(2):164–7
Effects of brief Antarctic isolation on absorption and hypnotic susceptibility—preliminary results and recommendations: a brief communication. Barabasz M, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):235–8
A 3-year follow-up of aggressive and withdrawn behavior in childhood: preliminary findings. Ledingham JE, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):157–68
A comparison of the social status and social behavior of aggressive and aggressive/withdrawn boys. Milich R, et al. **J Abnorm Child Psychol** 1984 Jun;12(2):277–88
Aggressive behavior, seclusion and physical restraint in an inpatient child population. Garrison WT. **J Am Acad Child Psychiatry** 1984 Jul;23(4):448–52
Loneliness and the poet: Robert W. Service. Roth N. **J Am Acad Psychoanal** 1983 Oct;11(4):593–602
Therapeutic effects of an imposed foraging task in disturbed monkeys. Rosenblum LA, et al. **J Child Psychol Psychiatry** 1984 Jul;25(3):485–97
Loneliness and attachment patterns in young adults. Hecht DT, et al. **J Clin Psychol** 1984 Jan;40(1):193–7
Seclusion. Patterns and milieu. Oldham JM, et al. **J Nerv Ment Dis** 1983 Nov;171(11):645–50
Hostage hallucinations. Visual imagery induced by isolation and life-threatening stress. Siegel RK. **J Nerv Ment Dis** 1984 May;172(5):264–72
The treatment of social dysfunction in nonpsychotic outpatients. A review. Stravynski A, et al. **J Nerv Ment Dis** 1983 Dec;171(12):721–8
Social and emotional loneliness: an examination of Weiss's typology of loneliness. Russell D, et al. **J Pers Soc Psychol** 1984 Jun;46(6):1313–21
Loneliness, social interaction, and sex roles. Wheeler L, et

al. **J Pers Soc Psychol** 1983 Oct;45(4):943–53
Long-term social isolation in the rat induces opposite changes in binding to alpha 1- and alpha 2-adrenoceptors in the brain and vas deferens. Lopez de Ceballos M, et al. **Neurosci Lett** 1983 Aug 29;39(2):217–22
Modulation of isolation-induced fighting by N- and C-terminal analogs of substance P: evidence for multiple recognition sites. Hall ME, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):85–9
The effects of antidepressants on aggressiveness induced by social deprivation in mice. Delini-Stula A, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:33–41
Opiate effects on isolation-induced hyperthermia. Frohm KD, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):163–7
Growth hormone and isolation-induced aggression in wild male mice. Matte AC. **Pharmacol Biochem Behav** 1981;14 Suppl 1:85–7
Effects of imipramine on separation-induced vocalizations in young rhesus monkeys. Porsolt RD, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):979–81
Pharmaco-ethological analysis of social behaviour of isolated mice. Poshivalov VP. **Pharmacol Biochem Behav** 1981;14 Suppl 1:53–9
Social isolation: effects on pain threshold and stress-induced analgesia. Puglisi-Allegra S, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):679–81
Regional brain serotonin receptor changes in differentially housed mice: effects of amphetamine. Essman EJ, et al. **Pharmacol Res Commun** 1984 Apr;16(4):401–8
The pariah syndrome: the social disease of chronic illness. Rabin D, et al. **Pharos** 1983 Summer;46(3):37–40
Influence of isolation and training on fighting in mice with olfactory bulb lesions. DaVanzo JP, et al. **Physiol Behav** 1983 Dec;31(6):857–60
Cerebrospinal fluid measures of neurotransmitter changes associated with pharmacological alteration of the despair response to social separation in rhesus monkeys. Kraemer GW, et al. **Psychiatry Res** 1984 Apr;11(4):303–15
Factorial structure of the UCLA Loneliness Scale. Austin BA. **Psychol Rep** 1983 Dec;53(3 Pt 1):883–9
An examination of college GPA, composite act scores, IQs, and gender in relation to loneliness of college students. Booth R. **Psychol Rep** 1983 Oct;53(2):347–52
Loneliness and nonverbal communication in separated or divorced women: an exploratory study. De Grace GR, et al. **Psychol Rep** 1983 Aug;53(1):151–4
Hypersensitivity to d-amphetamine several years after early social deprivation in rhesus monkeys. Kraemer GW, et al. **Psychopharmacology (Berlin)** 1984;82(3):266–71
An experimental study of social isolation of elderly people: psychoendocrine and metabolic effects. Arnetz BB, et al. **Psychosom Med** 1983 Oct;45(5):395–406
Urinary cortisol levels, cellular immunocompetency, and loneliness in psychiatric inpatients. Kiecolt-Glaser JK, et al. **Psychosom Med** 1984 Jan–Feb;46(1):15–23
[Effect of desipramine and social isolation on neuronal activity in rat hippocampus] Jähkel M, et al. **Biomed Biochim Acta** 1983;42(4):399–405 (Eng. Abstr.) **(Ger)**
[Solitary confinement as risk factor for psychiatric hospitalization] Volkart R, et al. **Psychiatr Clin (Basel)** 1983;16(5–6):365–77 (Eng. Abstr.) **(Ger)**
[Psychiatric disease and social isolation in elderly nursing home residents: a comparative study] Cooper B, et al. **Z Gerontol** 1984 May–Jun;17(3):117–25 (Eng. Abstr.) **(Ger)**
[Social integration of aged citizens in homes for the aged] Rieske B, et al. **ZFA** 1984 Mar–Apr;39(2):105–10 (Eng. Abstr.) **(Ger)**
[Social hygiene aspects of the life style of older citizens] Runge I. **ZFA** 1984 Jul–Aug;39(4):243–4 **(Ger)**
[Psychological sequelae of prolonged social isolation] Terelak J. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):54–6 **(Rus)**
[Synthesis of DNA in the brains of rats raised in a sensory enriched and impoverished environment] Vitvitskaia LV. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):773–5 **(Rus)**

SOCIAL JUSTICE see under **HUMAN RIGHTS**

SOCIAL MEDICINE

Chile changes its health care system. Kritzer BE. **Soc Secur Bull** 1983 Dec;46(12):16–8
Geneva scientific seminar 1983. Abstracts. **Soz Praventivmed** 1983;28(5):203–63 **(Eng, Mul)**
[The interface between forensic medicine, social medicine and the law] Stepán J. **Cesk Patol** 1984 May;20(2):28–31 **(Cze)**
[Application of general ecological concepts in social medicine] Petz J. **Cesk Zdrav** 1984 Mar;32(3):119–28 (Eng. Abstr.) **(Cze)**
[Centers and consultation in the field of nutritional hygiene: medicosocial structures in the control of alcoholism in France] Zourbas J, et al. **Sem Hop Paris** 1983 Sep 22; 59(33):2347–53 (Eng. Abstr.) **(Fre)**
[Socialized insurance in France] Hauffe R. **Derm Beruf Umwelt** 1984;32(2):64–5 **(Ger)**
[Reflexion on the relations of the child and society (social pediatrics) in pediatric standard works] Lorenz K. **Kinderarztl Prax** 1983 Nov;51(11):503–8 (Eng. Abstr.) **(Ger)**
[The nature of socialist public health and the principles of its structure] Lämmel R. **Z Gesamte Hyg** 1983 Oct; 29(10):589–92 (Eng. Abstr.) **(Ger)**
[Justification of the advantages of health protection in socialism and its legal limitations in capitalism in the light of the teachings of Karl Marx] Spaar H. **Z Gesamte Hyg** 1983 Oct;29(10):573–6 (Eng. Abstr.) **(Ger)**
[Socialized health protection for mother and child in East Germany] Weissbach-Rieger A. **Z Gesamte Hyg** 1983 Oct; 29(10):613–5 (Eng. Abstr.) **(Ger)**

ECONOMICS

[The physician and the law. Compensation reduction because of an uneconomical treatment method] Schneider G. **MMW** 1983 Dec 23;125(51):58–9 **(Ger)**

EDUCATION

Experience with problem-oriented examination programs in social medicine education. Zvárová J, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):157–60
[A new educational theme in social medicine: Can knowledge prevent violence in the family?] Hydle I, et al. **Nord Med** 1984;99(2):56–9 **(Nor)**
[Training of interns in social hygiene and public health organization] Pakharin VI, et al. **Sov Zdravookhr** 1984; (3):40–2 (Eng. Abstr.) **(Rus)**
[Social medicine in the reorganization of the system of study in medical schools] Filip M. **Cesk Zdrav** 1984 Jan; 32(1):34–44 (Eng. Abstr.) **(Slo)**

HISTORY

[Scientific social hygiene and social practice in the German Empire. A contribution to the development of social hygiene in the 1st third of the 20th century] Thomann KD. **Sudhoffs Arch** 1984;68(1):61–76 (Eng. Abstr.) **(Ger)**
[30 years of national health inspections in East Germany] Dittmann S, et al. **Z Gesamte Hyg** 1983 Oct;29(10):584–8 (Eng. Abstr.) **(Ger)**
[A life for social medicine—Salomon Neumann on the 75th anniversary of his death] Karbe KH. **Z Gesamte Hyg** 1983 Nov;29(11):696–8 (Eng. Abstr.) **(Ger)**
[Significance of the Decree No. 234 of the German Academy of Social medicine on the development of teaching of social medicine at the University of Leipzig 1948 to 1952] Moschke G. **Z Gesamte Hyg** 1983 Oct;29(10):620–3 (Eng. Abstr.) **(Ger)**
[Medical history impressions of Karl Marx 1983] Kaiser W. **Z Gesamte Inn Med** 1983 Dec 15;38(24):669–72 (Eng. Abstr.) **(Ger)**
[Max Hirsch (1877–1948)—co-founder of research in social gynecology] Schneck P. **Zentralbl Gynakol** 1983; 105(24):1600–4 (Eng. Abstr.) **(Ger)**
[November 7th: Reflections on the relation between public health and society] Csehák J. **Orv Hetil** 1983 Nov 6; 124(45):2723–4 **(Hun)**
[Medicine of the 1800's and occupational medicine: the socio-scientific work of Luigi Devoto in Pavia] Malamani A. **G Ital Med Lav** 1983 Jan;5(1):1–16 **(Ita)**
[Trends in the development of Polish medicine during the period of positivism] Podgórska-Klawe Z. **Arch Hist Med (Warsz)** 1984;47(1):121–6 (Eng. Abstr.) **(Pol)**
[Biological and social trends in medicine from the historical viewpoint] Strojnowski J. **Arch Hist Med (Warsz)** 1984; 47(1):25–37 (Eng. Abstr.) **(Pol)**
[60th anniversary of Department of Social Hygiene and Public Health Organization of the Kiev Medical Institute] Grando AA, et al. **Sov Zdravookhr** 1984;(3):52–3 **(Rus)**

MANPOWER

[Utilization of graduates of the Medical School of Hygiene of Charles University in practice] Müller C, et al. **Cesk Zdrav** 1983 Dec;31(12):497–501 (Eng. Abstr.) **(Cze)**

TRENDS

[Development and definition of social medicine] Fischer-Harriehausen H, et al. **Off Gesundheitswes** 1983 Nov;45(11):581–6 **(Ger)**
[Results and perspectives of Soviet public health] Sidorenko GI. **Z Gesamte Hyg** 1983 Oct;29(10):576–80 (Eng. Abstr.) **(Ger)**
[Sociological studies in the field of medical sciences] Filippov OV. **Vestn Akad Med Nauk SSSR** 1983;(7):41–5 **(Rus)**
[Subject matter and problems of sociological studies in medicine] Tsaregorodtsev GI, et al. **Vestn Akad Med Nauk SSSR** 1984;(6):13–25 **(Rus)**

SOCIAL MOBILITY

Natural history of male psychological health. XI: Escape from the underclass. Long JV, et al. **Am J Psychiatry** 1984 Mar;141(3):341–6
Body height and upward social mobility. Bielicki T, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):403–8
[Social mobility and course of treatment in schizophrenic psychoses in a West Germany large city] Pieschl D, et al. **Soc Psychiatry** 1984;19(3):143–51 (Eng. Abstr.) **(Ger)**

SOCIAL PERCEPTION

see related
STEREOTYPING

Social class, Mexican culture, and fatalism: their effects on psychological distress. Ross CE, et al. **Am J Community Psychol** 1983 Aug;11(4):383–99
Awareness of negative social conditions among mentally retarded, emotionally disturbed outpatients. Reiss S, et al. **Am J Psychiatry** 1984 Jan;141(1):88–90
Deafness and the hearing impaired—the perceptions of nurses and others. Darbyshire JO, et al. **Can J Public Health** 1983 Jul–Aug;74(4):266–9
The bogeyman cometh: a strategic approach for difficult adolescents. O'Connor JJ, et al. **Fam Process** 1984 Jun; 23(2):237–49
Perceptions of family environment among psychiatric patients and their wives. Spiegel D, et al. **Fam Process** 1983 Dec;22(4):537–47
The marginality and salience of being old: when is age relevant? Ward RA. **Gerontologist** 1984 Jun;24(3):227–32
Person-perception in adulthood: a categories analysis. Fitzgerald JM, et al. **Int J Aging Hum Dev** 1983–84; 18(3):197–205
Reading nursing: the burden of being different. Luker KA. **Int J Nurs Stud** 1984;21(1):1–7
Nurses' perceptions of early breast cancer and mastectomy, and their psychological implications, and of the role of health professionals in providing support. Ray C, et al. **Int J Nurs Stud** 1984;21(2):101–11
Social information processing in child psychiatric populations. Milich R, et al. **J Abnorm Child Psychol** 1984 Sep;12(3):471–89
Perceptions of patient-provider relationships in allied health education textbooks. Glazer-Waldman HR. **J Allied Health** 1984 May;13(2):104–11
Shakespeare's 'Timon of Athens': the progress from naïveté to cynicism. Shainess N. **J Am Acad Psychoanal** 1984 Jul; 12(3):425–40
A national survey of young people's perceptions of mental handicap. McConkey R, et al. **J Ment Defic Res** 1983 Sep; 27 (Pt 3):171–83
Changing young people's perceptions of mentally handicapped adults. McConkey R, et al. **J Ment Defic Res** 1983 Dec;27 (Pt 4):279–90
Language and person cognition: effects of communicative set on trait attribution. Hoffman C, et al. **J Pers Soc Psychol** 1984 May;46(5):1029–43
Culture and development of everyday social explanation. Miller JG. **J Pers Soc Psychol** 1984 May;46(5):961–78
Depression, social comparison, and the false-consensus effect. Tabachnik N, et al. **J Pers Soc Psychol** 1983 Sep; 45(3):688–99
Determining perceived meaning during impression formation: another look at the meaning change hypothesis. Watkins MJ, et al. **J Pers Soc Psychol** 1984 May;46(5):1005–16
Consequences of schemata for attention, impressions, and recall in complex social interactions. White JD, et al. **J Pers Soc Psychol** 1983 Sep;45(3):538–49
Perceived differences in the job potential of individuals with visible & nonvisible disabilities. Bragman R, et al. **J Rehabil** 1983 Oct–Dec;49(4):47–51
Perceptions of female physique characteristics by American and Israeli students. Gitter AG, et al. **J Soc Psychol** 1983 Oct;121(1st Half):7–13
When alcoholics are not anonymous: sociоperceptual effects of labeling and drinking pattern. Cash TF, et al. **J Stud Alcohol** 1984 May;45(3):272–5
A comparison of perceptions of problematic behavior by six minority groups and mental health professionals. Flaskerud JH. **Nurs Res** 1984 Jul–Aug;33(4):190–7
Perception of parents' behavior and children's general fearfulness. Yanni MI. **Nurs Res** 1982 Mar–Apr;31(2):79–82
The thinker-doer dual nursing role. Brown MS, et al. **Nurse Pract** 1984 Mar;9(3):60, 63
Cross-cultural differences in the perception of female body shapes. Furnham A, et al. **Psychol Med** 1983 Nov; 13(4):829–37
Beliefs and fears underlying type A behaviour. Burke RJ. **Psychol Rep** 1984 Apr;54(2):655–62
Alcoholism and logical consistency of personal constructs. Chambers W, et al. **Psychol Rep** 1984 Jun;54(3):882
Relationships among social perception, social skill, and social anxiety of psychiatric patients. Fingeret AL, et al. **Psychol Rep** 1983 Dec;53(3 Pt 2):1175–8
[Opinions of Israelis on mental illness] Rahav M, et al. **Harefuah** 1984 Feb 15;106(4):181–3 (Eng. Abstr.) **(Heb)**

SOCIAL PLANNING

The 21st century: planning or disaster. Davis PR. **J R Soc Health** 1984 Apr;104(2):52–3

SOCIAL POLICY see **PUBLIC POLICY**

SOCIAL PROBLEMS

see related
ALCOHOLISM
STUDENT DROPOUTS
SUBSTANCE DEPENDENCE

No fixed abode. Herzberg JL. **Br J Hosp Med** 1984 Jul;

32(1):24–6
Loitering by patients on methadone maintenance: a perception or a problem. Barnes E, et al. **Drug Alcohol Depend** 1983 Nov;12(3):223–31
Development of indicator scales for the Comprehensive Assessment and Referral Evaluation (CARE) interview schedule. Golden RR, et al. **J Gerontol** 1984 Mar; 39(2):138–46
The CARE interview revisited: development of an efficient, systematic clinical assessment. Gurland BJ, et al. **J Gerontol** 1984 Mar;39(2):129–37
Concurrent and predictive validity of indicator scales developed for the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al. **J Gerontol** 1984 Mar;39(2):158–65
Construct validity of indicator-scales developed from the Comprehensive Assessment and Referral Evaluation interview schedule. Teresi JA, et al. **J Gerontol** 1984 Mar; 39(2):147–57
Inclusion of social problem categories in disease registers. Brown AL. **J R Coll Gen Pract** 1984 Jun;34(263):320–3
The clinical psychologist in general practice: a six-year study of consulting patterns for psychosocial problems. Freeman GK, et al. **J R Coll Gen Pract** 1984 Jul;34(254):377–80
Ethyl alcohol—ancient plague and modern poison [editorial] Lundberg GD. **JAMA** 1984 Oct 12;252(14):1911–2
Social problems encountered in the rehabilitation of physically-abused women: two case reports. Loke Kwok Hien, et al. **Med J Malaysia** 1983 Sep;38(3):232–6
Homeless in New York. Gershberg JM. **Pharos** 1983 Fall; 46(4):7–10
Persistence of social and health problems in the welfare state: a Danish cohort experience from 1948 to 1979. Andersen TF. **Soc Sci Med** 1984;18(7):555–60
[Mental and social problems of homeless men. A study of the shelter population in Copenhagen] Andersen P, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1074–9 (Eng. Abstr.) **(Dan)**
[The ills of the world] Zuidema PJ. **Ned Tijdschr Geneeskd** 1983 Oct 29;127(44):2018–9 **(Dut)**
[Sociological aspects of identity disorders in the pathology of migration] Trouvé JN, et al. **Ann Med Psychol (Paris)** 1983 Dec;141(10):1041–62 (Eng. Abstr.) **(Fre)**
[The subject with spina bifida and his family: psychological and social aspects. I.] Cracco A. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):107–9 (Eng. Abstr.) **(Ita)**
[Problems in adolescent pregnancy] Hiroi M. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):820–4 **(Jpn)**
[Drug abuse as a social phenomenon in West Germany] Welz R. **Seishin Shinkeigaku Zasshi** 1983;85(8):491–6 **(Jpn)**
[Epidemiology and medico-social significance of rheumatic diseases] Jajic J. **Ter Arkh** 1983;55(7):137–40 **(Rus)**
[The social impact of problems in linguistic communication] Berruecos Villalobos P. **Gac Med Mex** 1983 Dec; 119(12):491–502 **(Spa)**

HISTORY

'Curses of civilization': insanity and drunkenness in Victorian Britain. McCandless P. **Br J Addict** 1984 Mar;79(1):49–58

LEGISLATION & JURISPRUDENCE

Human garbage and physical garbage: a sociological case example of institutional violence. Ben-Yehuda N, et al. **Int J Addict** 1984 Feb;19(1):1–23

TRENDS

Presidential address. Crime and violence in America. The victims. Siegel M. **Am Psychol** 1983 Dec;38(12):1267–73
Amphetamine psychosis in Tokyo—its clinical features and social problems. Yukitake A. **Folia Psychiatr Neurol Jpn** 1983;37(2):115–20
The hard core. Brill NQ. **Psychiatr J Univ Ottawa** 1984 Mar; 9(1):1–7
[Subject matter and problems of sociological studies in medicine] Tsaregorodtsev GI, et al. **Vestn Akad Med Nauk SSSR** 1984;(6):13–25 **(Rus)**
[Social and health care aspects of heroin drug dependence] Freixa F, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):30–2 **(Spa)**

SOCIAL PSYCHIATRY see **COMMUNITY PSYCHIATRY**

SOCIAL PSYCHOLOGY see **PSYCHOLOGY, SOCIAL**

SOCIAL REINFORCEMENT see **REINFORCEMENT, SOCIAL**

SOCIAL RESPONSIBILITY

City of Revere v. Massachusetts General Hospital: government responsibility for an arrestee's medical care. Contente W. **Am J Law Med** 1983 Fall;9(3):359–73
Charting the future course for corporate management of health risks. Baram MS. **Am J Public Health** 1984 Oct; 74(10):1163–6
Tenth Daniel C. Baker, Jr, memorial lecture. The physician's contribution to national security. Hiatt HH. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):287–92
Madness or badness? Bowden P. **Br J Hosp Med** 1983 Dec; 30(6):388, 391, 394
Symposium on the training of tomorrow's physicians: how well are we meeting society's expectations? Committee on Medical Education, the New York Academy of Medicine. **Bull NY Acad Med** 1984 Apr;60(3):219–308
Tomorrow's physician. Cooper T. **Bull NY Acad Med** 1984 Apr;60(3):226–32
Physical fitness—individual or societal responsibility? Godin G, et al. **Can J Public Health** 1984 May–Jun;75(3):200–3
Caring for AIDS patients: the physician's risk and responsibility [editorial] Burrow GN. **Can Med Assoc J** 1983 Dec 1;129(11):1181
Acceptability of human risk. Kasperson RE. **Environ Health Perspect** 1983 Oct;52:15–20
Racial and cohort variations in filial responsibility norms. Hanson SL, et al. **Gerontologist** 1983 Dec;23(6):626–31
Treating the jobless for free: do doctors have a special duty? Siegler M, et al. **Hastings Cent Rep** 1983 Aug;13(4):12–4
Unjustified AID for the poor? [letter] Strong C. **Hastings Cent Rep** 1983 Aug;13(4):50
Malpractice, medical discipline, and the public. Derbyshire RC. **Hosp Pract [Off]** 1984 Jan;19(1):209–10, 214–6, 220–1 passim
Health care for the indigent: it's everyone's responsibility [editorial] Tresnowski BR. **Inquiry** 1984 Spring;21(1):3–4
Social responsibility for the care of dependency groups [news] West P, et al. **Int J Rehabil Res** 1983 Dec;6(4):506–7
1984—Big brother, big government, big business, big problems. Slavin RG. **J Allergy Clin Immunol** 1984 Jul; 74(1):17–21
Beneficence and the aged. Dowd JJ. **J Gerontol** 1984 Jan; 39(1):102–8
The opportunities for medical statesmanship in our society. Swanson AB. **Nebr Med J** 1984 Apr;69(4):100–9
Record retention: a professional responsibility even after the patient has gone. Wood WL Jr, et al. **NY State Dent J** 1984 Feb;50(2):98–9
Researchers, elites, and people in a rapidly changing world. Galtung J. **Prog Clin Biol Res** 1983;128:95–108
Human and social consequences of research. Hermerén G. **Prog Clin Biol Res** 1983;128:359–79
Whistle blowing and social responsibility in science. Nelkin D. **Prog Clin Biol Res** 1983;128:351–7
Normative ethics of two categories of offenders. Wolff JL, et al. **Psychol Rep** 1983 Oct;53(2):443–6
War, peace and professional responsibility. Cassel CK. **Soc Sci Med** 1983;17(16):1199–1203
Society of University Surgeons. Presidential address: how big the bite? Jaffe BM. **Surgery** 1984 Aug;96(2):129–32
Promises to keep. Douglas A. **Thorax** 1984 Jul;39(7):481–6
[Professional responsibility: multiple loyalty] Terborgh-Dupuis H. **Tijdschr Diergeneeskd** 1983 Oct 1; 108(19):773–6 (Eng. Abstr.) **(Dut)**
[Medicine in signs of responsibility. Health as social and cost factor] Bisler W. **ZFA (Stuttgart)** 1983 Jul 31;59(21):1161–4 **(Ger)**
[Physician's societal responsibilities (editorial)] Glick SM. **Harefuah** 1984 Jan 1;106(1):41–2 **(Heb)**
[Irresponsibility and limited responsibility in homicide] Sobczyk P, et al. **Psychiatr Pol** 1983 May–Jun;17(3):215–20 (Eng. Abstr.) **(Pol)**
[I. P. Pavlov on science and the social responsibility of the scientist] Grigor'ian NA. **Sov Zdravookhr** 1984;(2):58–61 (Eng. Abstr.) **(Rus)**
[Civic and medical duty in the life and career of the physician-Bolshevik] Idel'chik KhI. **Sov Zdravookhr** 1984; (2):50–3 **(Rus)**
[Physicians in the battle for peace] Burgasov PN. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):3–7 **(Rus)**

SOCIAL SCIENCES

Socioeconomic resources in medicine: review of the literature. Austin T. **Bull Med Libr Assoc** 1984 Jul; 72(3):251–6
Male social scientists: lives after sixty. Havighurst RJ, et al. **Gerontologist** 1979 Feb;19(1):55–60
Social science and health in Canada. **Soc Sci Med** 1984; 18(3):189–286
Social science research on medical technology: utility and limitations. Banta HD. **Soc Sci Med** 1983;17(18):1363–9 (55 ref.)

SOCIAL SECURITY

An evaluation of the Social Security Administration master beneficiary record file and the National Death Index in the ascertainment of vital status. Wentworth DN, et al. **Am J Public Health** 1983 Nov;73(11):1270–4
Invalidity pension after lumbar disc operation. Alaranta H, et al. **Ann Chir Gynaecol** 1984;73(2):78–82
Financing hospital care through Social Security. Munnell AH. **Bull NY Acad Med** 1984 Jan–Feb;60(1):20–7
Patient education fliers mailed to Social Security recipients. **FDA Drug Bull** 1983 Aug;13(2):17
Economic security for the elderly: national and international perspectives. Beattie WM Jr. **Gerontologist** 1983 Aug; 23(4):406–10
Assistance to families with handicapped children. Ingstad B. **Int J Rehabil Res** 1983 Jun;6(2):165–73
Federal low vision services reimbursement mechanisms. Padula WV, et al. **J Am Optom Assoc** 1983 Oct; 54(10):901–3
The influence of social security systems on psychosomatic difficulties. Sifneos PE. **Praxis** 1983 Aug 2;72(31):1027–8
The effect of disability insurance on health care demand. Slade FP. **Soc Sci Med** 1984;19(1):19–25
OASDI and SSI beneficiaries with a representative payee, 1981. **Soc Secur Bull** 1983 Oct;46(10):16–7
Knowledge of Social Security: survivor families with young children. Abbott J. **Soc Secur Bull** 1983 Dec;46(12):3–13
Purchasing power of U.S. Social Security benefits abroad, 1970–82. Aldrich J, et al. **Soc Secur Bull** 1983 Sep;46(9):3–9
Actuarial status of the Old-Age and Survivors Insurance and Disability Insurance Trust Funds. Ballantyne HC. **Soc Secur Bull** 1983 Oct;46(10):3–8
Effects of OASDI benefit increase, December 1983. Bondar J. **Soc Secur Bull** 1984 Mar;47(3):11–3
Social Security beneficiaries enrolled in the direct deposit program, December 1983. Bondar J. **Soc Secur Bull** 1984 May;47(5):17–60
Female Social Security beneficiaries aged 62 or older, 1960–82. Lingg BA. **Soc Secur Bull** 1983 Sep;46(9):10–2
Social security problems in western European countries. Liu L. **Soc Secur Bull** 1984 Feb;47(2):17–22
The 1982 New Beneficiary Survey: an introduction. Maxfield LD. **Soc Secur Bull** 1983 Nov;46(11):3–11
Changing the method for calculating quarters of coverage: the impact on workers' insured status. Nelson WJ Jr. **Soc Secur Bull** 1984 Apr;47(4):3–7
A 10-year review of the Supplemental Security Income program. Trout J, et al. **Soc Secur Bull** 1984 Jan;47(1):3–24
Annual statistical supplement, 1982. **Soc Secur Bull Annu Stat Suppl** 1982;:1–274
[Relation between medicine and social security systems] Gilliéron E, et al. **Praxis** 1983 Aug 2;72(31):1029–32 (Eng. Abstr.) **(Fre)**
[Effect of social security systems on the demand for medical care] Montgrain N. **Praxis** 1983 Aug 2;72(31):1033–7 (Eng. Abstr.) **(Fre)**
[The effect of social security systems on psychosomatic disorders] Schneider PB. **Praxis** 1983 Aug 2;72(31):1021–2 **(Fre)**
[The effect of social security systems on psychosomatic disorders with reference to the example of the myocardial infarction syndrome] Stephanos S. **Praxis** 1983 Aug 2; 72(31):1023–6 (Eng. Abstr.) **(Fre)**
[Occupational rehabilitation of patients with mental or psychosomatic disorders. Study of 389 cases] Gilliéron E, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(2):263–81 (Eng. Abstr.) **(Fre)**
[A catamnestic follow-up of a compensation neurosis study] Teusch L. **Fortschr Neurol Psychiatr** 1984 Apr;52(4):113–5 (Eng. Abstr.) **(Ger)**
[Work capacity and social security of women subjected to radical surgery for breast cancer] Artiushenko IuV. **Vopr Onkol** 1984;30(1):42–5 (Eng. Abstr.) **(Rus)**
[Determination of disability for Social Security] Lugo Rodríguez JE. **Bol Asoc Med PR** 1983 Aug;75(8):358–60 (Eng. Abstr.) **(Spa)**

ECONOMICS

Social security: the social construction of a crisis. Estes CL. **Milbank Mem Fund Q** 1983 Summer;61(3):445–61
Another increase in social security taxes. Block J. **Mod Vet Pract** 1984 Feb;65(2):144–5
Actuarial status of the OASI and DI Trust Funds. Ballantyne HC. **Soc Secur Bull** 1984 May;47(5):3–8

LEGISLATION & JURISPRUDENCE

Funding health services for children. Rourk JD. **Am J Occup Ther** 1984 May;38(5):313–9
Predicting the vocational capacity of the chronically mentally ill. Research and policy implications. Anthony WA, et al. **Am Psychol** 1984 May;39(5):537–44
Older Americans and market work. Burkhauser RV, et al. **Gerontologist** 1978 Oct;18(5 Pt 1):449–53
Information and referral services for elderly welfare recipients. Schmandt J, et al. **Gerontologist** 1979 Feb; 19(1):21–7
Guidelines for psychiatric evaluation of Social Security disability claimants. **Hosp Community Psychiatry** 1983 Nov; 34(11):1044–51
The disability system in disarray. Appelbaum PS. **Hosp Community Psychiatry** 1983 Sep;34(9):783–4
Hospitals and the Social Security Amendments of 1983. Kalman RW. **Hospitals** 1984 Apr 1;58(7):96, 99–100
Medico-legal aspects of malignant mesothelioma. Mowé G, et al. **Scand J Soc Med** 1984;12(1):15–23
Social Security in review. **Soc Secur Bull** 1983 Jul;46(7):1–2
Summary of 1982 legislation affecting SSI, OASDI, and Medicare. **Soc Secur Bull** 1983 Jul;46(7):49–60
Actuarial status of the Hospital Insurance and Supplementary Medical Insurance Trust Funds. King RE. **Soc Secur Bull** 1983 Oct;46(10):9–15
Interfund borrowing under the Social Security act. Schobel BD. **Soc Secur Bull** 1983 Sep;46(9):13–4
Social Security Amendments of 1983: legislative history and summary of provisions. Svahn JA, et al. **Soc Secur Bull** 1983 Jul;46(7):3–48
[Risks in job finding in evaluations for the LVA and BFA]

Dahse G. **Beitr Gerichtl Med** 1984;42:197–8 (Eng. Abstr.) (Ger)
[Current decisions in social insurance (5)] Grundner–Culemann AW. **Off Gesundheitswes** 1983 Oct; 45(10):540–3 (Ger)

ORGANIZATION & ADMINISTRATION

Administration and service delivery in the SSI program: the first 10 years. Farrell W, et al. **Soc Secur Bull** 1984 Aug; 47(8):3–22

TRENDS

The relation of extended life to extended employment since the passage of social security in 1935. Butler RN. **Milbank Mem Fund Q** 1983 Summer;61(3):420–9
Conflict, crisis, and the future of old age security. Myles JF. **Milbank Mem Fund Q** 1983 Summer;61(3):462–72
Cash benefits for short-term sickness, 1948–81. Price DN. **Soc Secur Bull** 1984 Aug;47(8):23–38

SOCIAL SERVICE see **SOCIAL WORK**

SOCIAL SERVICE, PSYCHIATRIC see **SOCIAL WORK, PSYCHIATRIC**

SOCIAL SUPPORT see under **SOCIAL ENVIRONMENT**

SOCIAL VALUES

The value of children to children. Namerow PB, et al. **Adolescence** 1983 Winter;18(72):775–86
Reflections of residents' values or the researchers'? [letter] Ulwelling W. **Am J Psychiatry** 1984 Feb;141(2):326–7
Similarity of comparison group, opinions about facts and values and social projection. Wagner W, et al. **Arch Psychol (Frankf)** 1983;135(4):313–24
Abused, neglected, and nonmaltreated children's conceptions of moral and social–conventional transgressions. Smetana JG, et al. **Child Dev** 1984 Feb;55(1):277–87
Teen women: disparity between cognitive values and anticipated life events. Bassoff BZ, et al. **Child Welfare** 1984 Mar–Apr;63(2):125–38
Value issues in present-day adoption. Dukette R. **Child Welfare** 1984 May–Jun;63(3):233–43
Ethical and social aspects of risk predictions. Fletcher JC. **Clin Genet** 1984 Jan;25(1):25–32
Drink–driving—the nexus between social attitudes, social action and research directions. Johnston IR. **Community Health Stud** 1984;8(2):229–33
Senegalese adolescents and the need to control theft and criminality. D'Hondt W, et al. **J Adolesc** 1983 Dec; 6(4):329–32
Reflexiveness: structural principle for a course on values. Kaylor CE Jr. **J Allied Health** 1984 Feb;13(1):31–7
More's autonomy. Salmony SE. **J Am Acad Psychoanal** 1983 Oct;11(4):557–74
Changes in dental students' personal needs and values. Cain MJ, et al. **J Dent Educ** 1983 Sep;47(9):604–8
Values, Preferences, and decisions in the care of children with developmental disabilities. Cadman D, et al. **JDBP** 1984 Apr;5(2):60–4
Health versus money. Value judgments in the perspective of decision analysis. Thompson MS. **Med Decis Making** 1983;3(3):285–97
Social role valorization: a proposed new term for the principle of normalization. Wolfensberger W. **Ment Retard** 1983 Dec;21(6):234–9
A value approach to the prevention and reduction of drug abuse. Rokeach M. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:172–94
Value orientations as an assessment tool in cultural diversity. Brink PJ. **Nurs Res** 1984 Jul–Aug;33(4):198–203
Military research and development: its impact on society. Thee M. **Prog Clin Biol Res** 1983;128:49–61

SOCIAL WELFARE

Justice between age groups: am I my parents' keeper? Daniels N. **Milbank Mem Fund Q** 1983 Summer;61(3):489–522
Persistence of social and health problems in the welfare state: a Danish cohort experience from 1948 to 1979. Andersen TF. **Soc Sci Med** 1984;18(7):555–60
Determinants of receipt of assistance benefit and welfare services in a group of disabled adults in Norway. Storhaug K. **Soc Sci Med** 1984;18(1):41–5
Indicators of physical, mental and social wellbeing. Deliège D. **World Health Stat Q** 1983;36(3–4):349–93 (Eng, Fre)
[The ills of the world] Zuidema PJ. **Ned Tijdschr Geneeskd** 1983 Oct 29;127(44):2018–9 (Dut)
[National Coordinating Committee on Voluntary Welfare Services, Bonn. Concept and financing of early rehabilitation for children with disabilities or at risk of becoming disabled (central positions of voluntary welfare)] **Rehabilitation (Stuttg)** 1984 May;23(2):73–5 (Ger)
[A minimum of welfare, mental development, behavior and learning] Cravioto J. **Bol Med Hosp Infant Mex** 1983 Aug; 40 Suppl 2:11–3 (Spa)

HISTORY

Poorhouses and the origins of the public old age home. Katz MB. **Milbank Mem Fund Q** 1984 Winter;62(1):110–40
[History of social pediatrics] Dunovský J. **Padiatr Grenzgeb** 1984;23(3):127–31 (Eng. Abstr.) (Ger)
[Social welfare for tuberculosis patients in Silesia 1928–1929] Moskwa Z. **Wiad Lek** 1983 Oct 1;36(19):1645–7 (Eng. Abstr.) (Pol)

TRENDS

The 'graying' of the federal budget and its consequences for old-age policy. Hudson RB. **Gerontologist** 1978 Oct;18(5 Pt 1):428–40
Assistance to families with handicapped children. Ingstad B. **Int J Rehabil Res** 1983 Jun;6(2):165–73
Towards 2001! Implications for social services. Crowther EA. **J R Soc Health** 1983 Dec;103(6):229–32
The hard core. Brill NQ. **Psychiatr J Univ Ottawa** 1984 Mar; 9(1):1–7

SOCIAL WORK

see related
COMMUNITY HEALTH SERVICES

Rehabilitation social workers: measuring their ability to predict discharge destination of rehabilitation patients. Miller LS, et al. **Arch Phys Med Rehabil** 1984 Feb; 65(2):87–8
The detection and assessment of alcohol-related problems in health and social service agencies. Rush B, et al. **Can J Public Health** 1983 Jul–Aug;74(4):270–5
Implementation of psychosocial services in managing emotional stress. Wellisch DK. **Cancer** 1984 Feb 1;53(3 Suppl):828–32
A retrospective analysis of the relationship between decision-making process and child abuse. Couppe L. **Child Abuse Negl** 1983;7(3):363–6
Bridging the gap: from foster care to independent living. Rowe P. **Child Today** 1983 Sep–Oct;12(5):28–9
The dilemma of anonymous reporting in child protective services. Adams W, et al. **Child Welfare** 1982 Jan;61(1):3–14
The roles of the social worker in permanency planning. Fein E, et al. **Child Welfare** 1984 Jul–Aug;63(4):351–9
Criteria for placement decisions in protective services. Meddin BJ. **Child Welfare** 1984 Jul–Aug;63(4):367–73
Incest and pelvic pain: the social worker as part of a research team. Caldirola D, et al. **Health Soc Work** 1983 Fall; 8(4):309–19
Picking up the pieces: the unsuccessful kidney transplant. Carosella J. **Health Soc Work** 1984 Spring;9(2):142–52
Health and other service needs in a metropolitan area. Demone HW Jr, et al. **Health Soc Work** 1983 Summer; 8(3):165–73
Defining the role of the social worker in primary health care. Gross AM, et al. **Health Soc Work** 1983 Summer; 8(3):174–81
The effects of aging on sexuality. Hobson KG. **Health Soc Work** 1984 Winter;9(1):25–35
Future crises and the very old: implications for discharge planning. Kulys R. **Health Soc Work** 1983 Summer; 8(3):182–95
The psychosocial evaluation of the hospice patient. Lusk MW. **Health Soc Work** 1983 Summer;8(3):210–8
Helping people adjust to the death of a pet. Quackenbush JE, et al. **Health Soc Work** 1984 Winter;9(1):42–8
Social work in dentistry. Rao AP. **Health Soc Work** 1983 Summer;8(3):219–29
An interdisciplinary approach to cardiac rehabilitation [letter] Clancy CC. **Heart Lung** 1984 Jan;13(1):95–6
Impact of knowledge of anganwadi workers on slum community. Udani RH, et al. **Indian J Pediatr** 1983 Mar–Apr;50(403):157–9
Intensive care: the social worker's role. Critical care medicine. Young LA, et al. **Indiana Med** 1984 Mar; 77(3):178–9
How much do young offenders need social work? Kerslake A. **J Adolesc** 1983 Dec;6(4):347–58
Willingness of graduate social work students to treat alcoholics; a replication study. Duxbury RA. **J Stud Alcohol** 1983 Jul;44(4):748–53
Alcohol use patterns of graduate students in social work and in business. Waring ML, et al. **J Stud Alcohol** 1984 May; 45(3):268–71
Job burnout rates higher for social service professions. Tabor M. **Occup Health Saf** 1984 Mar;:51–2
The mental and physical health of clients referred to social workers in a local authority department and a general practice attachment scheme. Corney RH. **Psychol Med** 1984 Feb;14(1):137–44
The views of clients new to a general practice attachment scheme and to a local authority social work intake team. Corney RH. **Soc Sci Med** 1983;17(20):1549–58
Privacy versus accountability: a health care dilemma. Kagle JD. **Soc Work Health Care** 1984 Spring;9(3):25–36 (20 ref.)
The cultural basis of health, illness and disease. Low SM. **Soc Work Health Care** 1984 Spring;9(3):13–23 (54 ref.)
The short-term treatment of depression of physically ill hospital patients. Mailick MD. **Soc Work Health Care** 1984 Spring;9(3):51–61
Mental illness in the mentally retarded: challenges for social work. Monfils MJ, et al. **Soc Work Health Care** 1983 Fall; 9(1):71–85
An exemplar of primary prevention in social work: the Sheppard–Towner Act of 1921. Siefert K. **Soc Work Health Care** 1983 Fall;9(1):87–103
Implications of hospice concepts for social work practice with oncology patients and their families in an acute care teaching hospital. Stark DE, et al. **Soc Work Health Care** 1983 Fall;9(1):63–70
Family conferences: an approach to teaching family systems care in a family practice residency. Twersky RK, et al. **Soc Work Health Care** 1983 Fall;9(1):1–13
[Referral to long-term care as seen by the social and health services] Boolsen MW. **Ugeskr Laeger** 1984 Apr 2; 146(14):1083–4 (Eng. Abstr.) (Dan)
[The role of the female social worker in the care of cancer patients] Frösch T. **Praxis** 1983 Nov 1;72(44):1401–2 (Eng. Abstr.) (Ger)
[Legal aspects of the professional discretion of physicians and other health and social welfare personnel] Gürtler R, et al. **Z Arztl Fortbild (Jena)** 1983;77(18):779–84 (Ger)
[Aspects of the social care of chronic patients] Matthesius R, et al. **Z Arztl Fortbild (Jena)** 1984;78(12):475–8 (Ger)

ECONOMICS

A demonstration of the cost benefits of case management services for discharged mental patients. Mueller J, et al. **Psychiatr Q** 1983 Spring;55(1):17–24

EDUCATION

The child welfare practitioner as university teacher. DiGiulio JF. **Child Welfare** 1982 Jan;61(1):15–23
'Step on a crack, break an old man's back': learning assignments for social work students in the field of aging. Greene RR. **Gerontol Geriatr Educ** 1983 Summer; 3(4):307–12
Academic and background predictors of gerontological job embeddedness. Mangum WP, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):37–44
Helping students to begin hospital field placements: an active learning approach. Rauch JB. **Soc Work Health Care** 1984 Spring;9(3):63–75
Issues for hospitals in educating social work students for social work practice in health care settings. Robinovitch AE, et al. **Soc Work Health Care** 1983 Winter;9(2):97–105

HISTORY

[Bogusław Palicki, physician and social worker in Wielkopolska (1813–1868)] Gołębiowski SZ. **Arch Hist Med (Warsz)** 1983;46(2):249–53 (Eng. Abstr.) (Pol)

LEGISLATION & JURISPRUDENCE

Protecting abused and neglected children: can law help social work? Besharov DJ. **Child Abuse Negl** 1983;7(4):421–34
Child welfare services in a law enforcement agency. Briar KH, et al. **Child Today** 1983 Nov–Dec;12(6):17–20
A title VI view of child welfare issues. Davidson M, et al. **Child Welfare** 1982 Jan;61(1):49–54
'The Children's Act, A Consultation Paper'. Turgay A. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):109–12
[Legal regulations on compensation and support for health problems as related to medical and social care (summary)] Heusinger H, et al. **Z Arztl Fortbild (Jena)** 1984;78(2):75 (Ger)

METHODS

Protocol to investigate child abuse in foster care. Cavara M, et al. **Child Abuse Negl** 1983;7(3):287–95
The battered child: a study of the role of services in 25 cases of child abuse in The Netherlands. Wolters WH, et al. **Child Abuse Negl** 1983;7(3):301–7
Placing siblings together. Depp CH. **Child Today** 1983 Mar–Apr;12(2):14–9
TEAM: parent–agency partnership in adoption services. Flynn LM, et al. **Child Today** 1983 Mar–Apr;12(2):2–5
One church, one child: placing children with special needs. Veronico AJ. **Child Today** 1983 Mar–Apr;12(2):6–10
A group model for adoption studies for special-needs children. Forsythe BJ, et al. **Child Welfare** 1984 Jan–Feb; 63(1):56–61
Overcoming barriers to permanency planning. Miller K, et al. **Child Welfare** 1984 Jan–Feb;63(1):45–55
Network interventions: do they work? Cohen CI, et al. **Gerontologist** 1984 Feb;24(1):16–22

ORGANIZATION & ADMINISTRATION

Hyman J. Weiner's use of systems and population approaches: their relevance to social work practice in health care today. Clarke SS. **Soc Work Health Care** 1983 Winter;9(2):5–14
[Mobilizing role of mandates from the authorities and for placement in social intervention on behalf of abused children] Criville A. **Child Abuse Negl** 1983;7(4):451–8 (Eng. Abstr.) (Fre)
[The Senior Expert Service in West Germany] Fritz G. **Z Gerontol** 1983 Sep–Oct;16(5):248–50 (Eng. Abstr.) (Ger)

TRENDS

Looking ahead: social work as a core health profession. Black RB. **Health Soc Work** 1984 Spring;9(2):85–95
Is there a future for social work in HMOs? Mayer JB, et al. **Health Soc Work** 1983 Fall;8(4):283–9

Time, social change, and social work. Germain CB. **Soc Work Health Care** 1983 Winter;9(2):15–23

UTILIZATION

Senior center utilization by black elderly adults: social, attitudinal and knowledge correlates. Ralston PA. **J Gerontol** 1984 Mar;39(2):224–9

Informal networks and knowledge of services for older persons. Ward RA, et al. **J Gerontol** 1984 Mar;39(2):216–23

SOCIAL WORK DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

SOCIAL WORK, PSYCHIATRIC

Predicting the abusive parent's response to intervention. Yates A, et al. **Child Abuse Negl** 1983;7(1):37–44

Social work and law in a foster care/adoption program. Gill MM, et al. **Child Welfare** 1983 Sep–Oct;62(5):455–67

Social work effectiveness in two-year stroke survivors: a randomised controlled trial. Christie D, et al. **Community Health Stud** 1984;8(1):26–32

Medical clinic referrals to psychiatric social work: review of 100 cases. Goldberg RJ, et al. **Gen Hosp Psychiatry** 1984 Apr;6(2):147–52

Behavior modification in social work practice. Thyer BA. **Prog Behav Modif** 1983;15:173–216

The role of social work in a model self-help organization. Wempner MP. **Psychiatr Clin North Am** 1984 Jun; 7(2):395–404

Social work services as a component of palliative care with terminal cancer patients. Allison H, et al. **Soc Work Health Care** 1983 Summer;8(4):29–44

Clinical social work in a medical setting. Bergman AS, et al. **Soc Work Health Care** 1984 Spring;9(3):1–12

[Re-evaluation of the role of social workers in clinical psychiatry] Fu L. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):333–4 (Eng. Abstr.) **(Chi)**

[Difficulties in relation to family placements. How to use them. Role of a team of social workers (educators of the street)] Bocca F. **Child Abuse Negl** 1984;8(1):105–7 **(Fre)**

[Social work as a supplement to the therapy service of a psychosomatic clinic. Experiences and observations from the viewpoint of a social worker] Stucke-Schramm G. **Psychother Psychosom Med Psychol** 1983 Sep;33 Suppl 2:97–101 (Eng. Abstr.) **(Ger)**

ECONOMICS

Operational research in a faltering economy. Kreitman N. **Soc Psychiatry** 1984;19(1):1–2

EDUCATION

Opinions about mental illness: a comparison of American and Greek social work students in 1969 and 1979. Koutrelakos J, et al. **Psychol Rep** 1983 Aug;53(1):71–80

METHODS

Problems in practice and research in social psychiatry. Sims AC. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Dec; 35(12):736–42

[Psychosocial work at a cancer service. Report of experiences from general practice] Herty H. **MMW** 1984 Mar 2; 126(9):223–4 **(Ger)**

ORGANIZATION & ADMINISTRATION

[Creation of need equitable social psychiatric services outside of agglomeration areas] Hummitzsch H. **Off Gesundheitswes** 1983 Dec;45(12):627–30 **(Ger)**

TRENDS

Are the social workers prepared to assist a changing population of dysfunctional parents in Sweden? Larsson G, et al. **Child Abuse Negl** 1984;8(1):9–14

Socio-biological psychiatry. Van Praag HM. **Compr Psychiatry** 1981 Sep–Oct;22(5):441–50

SOCIAL WORKERS see **SOCIAL WORK**

SOCIALISM

A critique of criminology: toward an integrated structural-Marxist theory of delinquency production. Colvin M, et al. **AJS** 1983 Nov;89(3):513–51

Marxism, social psychology, and the sociology of mental health. Brown P. **Int J Health Serv** 1984;14(2):237–64

Health care in the Spanish social security system: public-private relationships. Kelley JB. **Int J Health Serv** 1984;14(2):309–20

[The Marxist theory of the ethical concept of value] Máchová J. **Padiatr Grenzgeb** 1984;23(3):141–4 (Eng. Abstr.) **(Ger)**

[What does Marxism give to us?—Considerations by a medical man (editorial)] Rapoport SM. **Z Arztl Fortbild (Jena)** 1984;78(6):213–4 **(Ger)**

[The retired person in a socialist society] Dan J. **ZFA** 1984 Mar-Apr;39(2):111–4 (Eng. Abstr.) **(Ger)**

[Indispensable values of the spirituality of our people: dignity and national pride] Bejenaru F. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct-Dec;87(4):665–6 **(Rum)**

[Methods and criteria for summing up the results of a socialist competition between the structural subdivisions of a provincial epidemiological health station] Murzov VV, et al. **Gig Sanit** 1984 May;(5):76–7 **(Rus)**

[Approaches to organizing socialist competition among the epidemiological health institutions of Ivano-Frankovsk Province] Vetchinin VV, et al. **Gig Sanit** 1983 Jul;(7):59–60 **(Rus)**

[Socialist competition—high achievement] Abdrashitov RS. **Voen Med Zh** 1984 Apr;(4):7–9 **(Rus)**

[We shall keep our word] Pilipenko GV. **Voen Med Zh** 1984 Jun;(6):7–10 **(Rus)**

HISTORY

[Psychoanalysis and Marxism in Hungary (1900–1980)] Harmat P. **Psyche (Stuttg)** 1984 Mar;38(3):254–69 (Eng. Abstr.) **(Ger)**

[Karl Marx and the founding of health politics of the revolutionary workers' movement. II. Marx's disclosure of the class content of civil health politics] Büttner L, et al. **Z Arztl Fortbild (Jena)** 1983;77(19):819–23 **(Ger)**

[Medical history impressions of Karl Marx 1983] Kaiser W. **Z Gesamte Inn Med** 1983 Dec 15;38(24):669–72 (Eng. Abstr.) **(Ger)**

[Medical students in the Tartu (Yuryev) Marxist circle] Viduta VK. **Sov Zdravookhr** 1983;(10):55–7 **(Rus)**

SOCIALIZATION

see related
CHILD REARING
PARENT-CHILD RELATIONS
PERSONALITY DEVELOPMENT

Ascertaining and evaluating the results of education from the viewpoint of the theory of cognitive socialization. Kulič V. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):131–4

Socialization of adolescent girls into physical activity. Butcher J. **Adolescence** 1983 Winter;18(72):753–66

Curriculum issues in community psychology: the ecology of program development and the socialization of students. Trickett EJ, et al. **Am J Community Psychol** 1984 Apr; 12(2):141–55

Social and affective development in infants with a manic-depressive parent. Gaensbauer TJ, et al. **Am J Psychiatry** 1984 Feb;141(2):223–9

The determinants of parenting: a process model. Belsky J. **Child Dev** 1984 Feb;55(1):83–96

Differential premises arising from differential socialization of the sexes: some conjectures. Block JH. **Child Dev** 1983 Dec;54(6):1335–54

The emergence and consolidation of self-control from eighteen to thirty months of age: normative trends and individual differences. Vaughn BE, et al. **Child Dev** 1984 Jun;55(3):990–1004

Higher education and peer socialization: a promising partnership. Sherman SR, et al. **Gerontol Geriatr Educ** 1984 Spring;4(3):15–21

Teaching social skills to children. Spence SH. **J Child Psychol Psychiatry** 1983 Oct;24(4):621–7

The socialization of medical educators. Yunker R, et al. **J Med Educ** 1983 Oct;58(10):822–4

[Socialization disorders in early childhood] Wolf H. **Off Gesundheitswes** 1983 Aug;45(8):432–8 **(Ger)**

[Effect of child rearing on child socialization] Schmidt HD. **Padiatr Grenzgeb** 1984;23(3):155–62 (Eng. Abstr.) **(Ger)**

[Role of public organizations and student movements in shaping future specialists in the medical college] Voropaeva NM, et al. **Sov Zdravookhr** 1984;(7):51–5 **(Rus)**

SOCIALIZED DENTISTRY see **STATE DENTISTRY**

SOCIALIZED MEDICINE see **STATE MEDICINE**

SOCIETIES

Health Insurance Association of America: update on occupational therapy. **Am J Occup Ther** 1984 May; 38(5):341–3

Committee report. Ad Hoc Committee on Long Range Planning. **ASHA** 1983 Sep;25(9):61–4

Ethical Practice Board statement of practices and procedures (effective September 1982). **ASHA** 1983 Nov;25(11):21, 23

William W. Green [interview] Green WW. **ASHA** 1983 Nov; 25(11):17–20

ASHA—from adolescence onward. Minifie FD. **ASHA** 1983 Dec;25(12):17–21

David E. Yoder. ASHA interviews 1984 ASHA president. Yoder DE. **ASHA** 1984 Jan;26(1):23–6

Wherefore the auxiliary? **Colo Med** 1983 Oct;80(10):283–4

Open letter. Kuhn ME. **Gerontologist** 1978 Oct;18(5 Pt 1):422–7

Bylaws. American Physical Therapy Association. **Phys Ther** 1983 Oct;63(10):1645–55

American Physical Therapy Association. **Phys Ther** 1983 Nov;63(11):1817–9

American Physical Therapy Association awards for 1983. **Phys Ther** 1983 Nov;63(11):1812–5

The 1983 presidential address. Thinking for tomorrow. Richardson RW. **Phys Ther** 1983 Nov;63(11):1795–801

Public relations for the CSP—the way ahead. Cichy V. **Physiotherapy** 1983 Dec;69(12):437–8

A hospital association's efforts to reduce costs. Sandrick KM. **QRB** 1983 Sep;9(9):267–8

AIDS and the executive directo. Perspectives in crisis management. Brownstein AP. **Scand J Haematol [Suppl]** 1984;40:561–5

[Role of public organizations and student movements in shaping future specialists in the medical college] Voropaeva NM, et al. **Sov Zdravookhr** 1984;(7):51–5 **(Rus)**

HISTORY

Nationally speaking—living forward, understanding backwards, Part I. Bing RK. **Am J Occup Ther** 1984 Jun; 38(6):363–6

[The Sovereign Order of Malta to the aid of leprosy patients. 25 years' activity of the CIOMAL (Comité International de l'Ordre de Malte pour l'Assistance aux Lépreux) 1958–1983] de Thoire V. **Acta Leprol (Geneve)** 1983 Oct-Dec;(93):191–203 **(Fre)**

ORGANIZATION & ADMINISTRATION

Whither thou goest? Report of the AOTA Task Force on OT/PT issues. Huss AJ. **Am J Occup Ther** 1984 Feb; 38(2):81–4

Asha Interviews Sylvia Lawry. Lawry S. **ASHA** 1984 Jul; 26(7):23–6

HCMR interview: Don L. Arnwine. Arnwine DL. **Health Care Manage Rev** 1983 Summer;8(3):93–100

Formation of a statewide referral system for hemophiliacs: the Hemophilia Association of Florida. Brown CH 3d, et al. **J Fla Med Assoc** 1984 Jan;71(1):31–3

The role of a national organization in the AIDS issue. Carman CJ. **Scand J Haematol [Suppl]** 1984;40:461–7

The role of the professional executive director in hemophilia societies. Gurney ET. **Scand J Haematol [Suppl]** 1984; 40:557–9

'Where do we go from here boys, where do we go from here?' Watters D. **Scand J Haematol [Suppl]** 1984;40:567–8

SOCIETIES, DENTAL

Membership in general dental surgery. Gordon E. **Br Dent J** 1983 Nov 5;155(9):293–4

CDA committee report: applicants to Canadian dental schools 1982–1983. Who are they? What are they like? Canadian Dental Association. **Can Dent Assoc J** 1984 Jan; 50(1):57–62

Award of Merit to Esther F. Richwine. Hester HC. **J Am Coll Dent** 1983 Winter;50(4):17

Results of the 1983 Access Program Survey. Council on Dental Health and Health Planning Bureau of Economic and Behavioral Research. **J Am Dent Assoc** 1984 May; 108(5):817, 819, 821

Proceedings of the sixty-first American Association of Dental Schools annual session. **J Dent Educ** 1984 Jul; 48(7):334–439

The need for an International Association for Dental Research. Frank RM. **J Dent Res** 1983 Nov;62(11):1102–3

DSSNY's liaison with auxiliary organizations. Loveland LW. **NY State Dent J** 1983 Dec;49(10):776

HISTORY

A coming of age. The British Endodontic Society. Watson RM, et al. **Br Dent J** 1984 Jan 21;156(2):66–7

ORGANIZATION & ADMINISTRATION

The Dental Society of the State of New York. Constitution and bylaws. December 1983. **NY State Dent J** 1983 Oct; 49(8):1–23

SOCIETIES, HOSPITAL see under **SOCIETIES**

SOCIETIES, MEDICAL

College of American Pathologists Quality Assurance Programs. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):551–647

American Society of Clinical Pathologists. President's address. James LP Jr. **Am J Clin Pathol** 1984 Jun; 81(6):693–5

Presidential address. The clinical gastroenterologist. Waye JD. **Am J Gastroenterol** 1984 Feb;79(2):83–4

Purposeful activities. A position paper. Hinojosa J, et al. **Am J Occup Ther** 1983 Dec;37(12):805–6

George Tarjan, M.D. one hundred twelfth president, 1983–1984. Sabshin M. **Am J Psychiatry** 1984 Aug; 141(8):931–4

Presidential address: American psychiatry: a dynamic mosaic. Tarjan G. **Am J Psychiatry** 1984 Aug;141(8):923–30

Presidential address of the American Orthopaedic Society for Sports Medicine. O'Connor GA. **Am J Sports Med** 1983 Nov-Dec;11(6):375–8

Constitution and By-Laws of the American Society of Tropical Medicine and Hygiene. **Am J Trop Med Hyg** 1983 Sep;32(5 Pt 2):1–4

Membership directory: the American Society of Tropical Medicine and Hygiene. **Am J Trop Med Hyg** 1983 Sep;32(5 Pt 2):5–58

College of American Pathologists Foundation Conference on the Autopsy. Conference recommendations. Hill RB Jr. **Arch Pathol Lab Med** 1984 Jun;108(6):512

Membership issues within the American Congress of Rehabilitation Medicine: results of a survey. Alexander JL. **Arch Phys Med Rehabil** 1984 Jun;65(6):344–7

Research and the college [editorial] Ludbrook J. **Aust NZ J Surg** 1983 Oct;53(5):393–4
Aerospace Medical Association. Directory of members. **Aviat Space Environ Med** 1984 Sep;55(9):800–86
Aerospace Medical Association. Directory. **Aviat Space Environ Med** 1983 Sep;54(9):783–879
Specialist FRCS in plastic surgery: irritating irrelevance or desirable diploma? Kay Kilner prize essay: 1983. Timmons MJ. **Br J Plast Surg** 1984 Jul;37(3):303–6
Improving medical meetings. IV—Evaluate for the future. Richmond DE, et al. **Br Med J [Clin Res]** 1983 Nov 12; 287(6403):1450–1
Improving medical meetings. III—Diversify the format of conference sessions. Richmond DE, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1363–4
The Great Hall of BMA House: plans for the '80s. Smith J. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1367–9
CMA's preliminary submission to the House of Commons standing committee on health, welfare and social affairs. **Can Med Assoc J** 1984 Mar 15;130(6):756, 761–6
Perspectives on the Yukon Medical Association. Arnoti B. **Can Med Assoc J** 1984 Feb 15;130(4):497–500
The CMA's stand on the medical use of heroin: setting the record straight. Da Sylva NP. **Can Med Assoc J** 1984 Jun 15;130(12):1515
The World Medical Association: looking for real tasks. Lord R. **Can Med Assoc J** 1984 Jun 15;130(12):1618–22
Address by Dr. Dennis J Aloysius, President of the S.L.M.A. at the Inauguration of the 96th Anniversary Sessions. **Ceylon Med J** 1983 Mar;28(1):3–7
Directory of physicians 1982–1983. **Colo Med** 1983 Spring; 80(5 Spec No):1–300
New, CMS-sponsored 'no-limit' approach to practice overhead expense insurance. Smith WB, et al. **Colo Med** 1983 Apr;80(4):108–9
CMS: successes, problems and solutions. Whitesel JA. **Colo Med** 1984 Jul;81(7):171–2, 174
An overview of the EORTC Breast Cancer Cooperative Group's activities. Paridaens R, et al. **Eur J Cancer Clin Oncol** 1983 Dec;19(12):1665–9
The 1983 A/S/G/E membership survey. I. Member characteristics. Frank BB. **Gastrointest Endosc** 1984 Jun; 30(3):206–12
Presidential address 1983. Accountability of gastrointestinal endoscopists. Geenen JE. **Gastrointest Endosc** 1983 Nov; 29(4):265–8
1983–84 directory of Hawaii physicians. **Hawaii Med J** 1983 Sep;42(9):218–311
The role of professional medical societies in reducing practice variations. Schwartz JS. **Health Aff (Millwood)** 1984 Summer;3(2):90–101
Residential treatment centers: peer review by APA and CHAMPUS. Margolis JA, et al. **Hosp Community Psychiatry** 1984 May;35(5):482–6
State society targets medical misconduct [news] **Hosp Pract** 1983 Oct;18(10):48
ISMS legislation attacks professional liability problem. **IMJ** 1984 May;165(5):338–9
ISMS guide to hospital medical staff bylaws. **IMJ** 1984 May; 165(5):342–50
Highlights of the ISMS professional liability legislative package. **IMJ** 1984 May;165(5):340–1
ISMS Guide to Hospital Medical Staff Bylaws. **IMJ** 1984 Jun;165(6):418–26
Ibero-Latin American College of Dermatology (Colegio Ibero-Latino Americano de Dermatologia-Cilad). Abulafia J. **Int J Dermatol** 1983 Oct;22(8):490–4
A model for self-help: the development of regional dermatologic opportunities in Ibero-Latin America. Muller SA. **Int J Dermatol** 1983 Oct;22(8):466
International Leprosy Association. Directory. **Int J Lepr** 1983 Dec;51(4):674–85
Association of University Radiologists. Gold Medal Award. Melvin M. Figley, MD. **Invest Radiol** 1983 Jul–Aug; 18(4):305–6
Association of University Radiologists. Gold Medal Award. Robert N. Cooley, MD. **Invest Radiol** 1983 Jul–Aug; 18(4):306–7
Presidential address—coming of age in San Francisco (October 21, 1983). McAnarney ER. **J Adolesc Health Care** 1984 Apr;5(2):157–8
A visit to the Royal Society of Medicine [letter] Laur WE. **J Am Acad Dermatol** 1984 Apr;10(4):674–6
The American College of Cardiology and changing directions in cardiovascular health care: past, present and future [news] Knoebel SB. **J Am Coll Cardiol** 1984 Sep; 4(3):646–7
New partners in student branch development. Picinich SM. **J Am Med Wom Assoc** 1984 May–Jun;39(3):72, 90
Keep the family together. Rockwood CA Jr. **J Bone Joint Surg [Am]** 1984 Jun;66(5):800–5
Clinical investigation and the clinical investigator: the past, present, and future. Kelley WN. **J Clin Invest** 1984 Sep; 74(3):1117–22
Kansas Medical Society: 1984 Membership directory. **J Kans Med Soc** 1984 Aug;85(8):1–111
Joint position statement on long term care. **J Kans Med Soc** 1984 Jul;85(7):199–201
Kansas Medical Society: 1983 Membership directory. **J Kans Med Soc** 1983 Aug;84(8):1–104
1984–85 roster. **J Med Assoc Ga** 1984 Aug;Suppl:1–100
Association of American Medical Colleges. Annual meeting and annual report, 1983. **J Med Educ** 1984 Mar; 59(3):217–83
The relationship between the college and the pharmaceutical industry. Donald A. **J R Coll Gen Pract** 1983 Sep; 33(254):599–601
Where does the College stand in the field of classification? Patterson WM. **J R Coll Gen Pract** 1984 Jul;34(264):408–9
The relationship between the college and the pharmaceutical industry. Schofield TP. **J R Coll Gen Pract** 1983 Sep; 33(254):601–3
The MRCGP examination and its methods. II: MCQ paper. Walker JH, et al. **J R Coll Gen Pract** 1983 Nov; 33(256):732–7
The MRCGP examination and its methods. I: Introduction. Walker JH, et al. **J R Coll Gen Pract** 1983 Oct; 33(255):662–5
A laboratory for progress. McGoon DC. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):157–63
JAMA reference directories. **JAMA** 1983 Oct 28; 250(16):2117, 2121–4
JAMA reference directories. **JAMA** 1983 Oct 21; 250(15):1960–5
JAMA reference directories. **JAMA** 1984 Jan 27; 251(4):457–8,464–7
JAMA reference directories. **JAMA** 1984 Jan 20; 251(3):328–9,332
The 35th Assembly of the World Medical Association [editorial] Sammons JH. **JAMA** 1984 Feb 24;251(8):1053
The World Medical Association and medical ethics. Wynen A. **JAMA** 1984 Feb 24;251(8):1039–40
Directory of otolaryngologic societies. **Laryngoscope** 1984 Apr;94(4):558–60
Directory of Otolaryngologic Societies. **Laryngoscope** 1976 Feb;86(2):312–24
From a twenty-five year perspective: John Sargeant on Med-Chi [interview] Sargeant J. **Md State Med J** 1983 Oct;32(10):762–6
BMA quits WMA [letter] **Med J Aust** 1984 Apr 14; 140(8):507–8
BMA quits WMA. Brass A. **Med J Aust** 1984 Feb 18; 140(4):192–3
Medical Association for Prevention of War [letter] MacDermott MJ. **Med J Aust** 1984 Apr 14;140(8):505
Medical Association for Prevention of War. Ward J. **Med J Aust** 1984 Jan 21;140(2):85–6
Torture, doctors and the World Medical Association. Wilson LL. **Med J Aust** 1983 Sep 3;2(5):236–9
MSMS. Special report. **Mich Med** 1983 Dec;82(57):698–716
How to cosponsor a course with MSMS CME Committee. Fent SL. **Mich Med** 1984 May;83(24):228
New MSMS Medical Staff Section to address the issues. Madigan WE. **Mich Med** 1984 Jul;83(34):336
'Family involvement is a way of life'. Muskegon DA. **Mich Med** 1983 Jun;82(29):372–4
Practice survival. MMA developing new marketing programs. Ohrt D. **Minn Med** 1983 Nov;66(11):735–7
Missouri State Medical Association. Annual directory. 1984–1985 membership roster. **Mo Med** 1984 Aug; 81(8):426–554
1984–1985 Policy Manual of the Missouri State Medical Association. **Mo Med** 1984 Aug;81(8):557–62
Missouri State Medical Association. Annual directory. 1983–1984 membership roster. **Mo Med** 1983 Aug; 80(8):415–529
The American Academy of Pediatrics and the Baby Doe rules [letter] Heffernan BT. **N Engl J Med** 1984 Jan 5; 310(1):51
Officers: 1983–1984 North Carolina Medical Society. **NC Med J** 1984 Feb;45(2):73
Meet George Moore, your new executive director. Hodgson PK. **NC Med J** 1984 Jun;45(6):375–7
Presidential address. Redding MS. **NC Med J** 1983 Aug; 44(8):472–3
A physician-led referendum for cleaner air in Florida. Tate CF Jr. **NY State J Med** 1983 Dec;83(13):1302
Ohio's malpractice climate: the Peat-Marwick Report. **Ohio State Med J** 1984 Mar;80(3): 165–70
The extra mile. Where do you go from here? Doll RJ. **Ohio State Med J** 1984 Jun;80(6):451–3
The impaired physician. Where we are in Ohio and where we need to go. Kennedy WJ. **Ohio State Med J** 1984 Mar; 80(3):159–60
Does your practice need a second opinion? Mullinax CW. **Ohio State Med J** 1984 Mar;80(3):175–7
Why the OSMA should not bid to become Ohio's utilization and quality control peer review organization (PRO). Porter S. **Ohio State Med J** 1984 Jun;80(6):421–7
European Society of Pathology (ESP)—past and present. Ferluga D. **Pathol Res Pract** 1983 Aug;178(1):95–101
The Latin American Society for Pediatric Research membership list 1983–1984. **Pediatr Res** 1984 Apr;18(4 Pt 2):476A–477A
The European Society for Pediatric Research membership list 1983–1984. **Pediatr Res** 1984 Apr;18(4 Pt 2):471A–475A
The American Pediatric Society membership list 1983–1984. **Pediatr Res** 1984 Apr;18(4 Pt 2):438A–451A
The Society for Pediatric Research membership list 1983–1984. **Pediatr Res** 1984 Apr;18(4 Pt 2):452A–470A
Presentation of the Howland Award, May, 1983. Finberg L. **Pediatr Res** 1983 Nov;17(11):843–7
Reducing the toll of injuries in childhood requires support for a focused research effort. **Pediatrics** 1983 Nov; 72(5):736–7
The Society for Behavioral Pediatrics: a new portal in a rapidly moving boundary. Cohen MI. **Pediatrics** 1984 Jun; 73(6):791–8
Pennsylvania Medical Society: Membership directory 1984–85. **Penn Med** 1984 Aug;87(8):67–126
Pennsylvania Medical Society: Membership directory 1983–84. **Penn Med** 1983 Aug;86(8):57–182
Presidential address. Mirror, mirror on the wall. Gorney M. **Plast Reconstr Surg** 1984 Jul;74(1):117–22
Society for Experimental Biology and Medicine. Membership directory. **Proc Soc Exp Biol Med** 1983 Dec;174(3):D13–91
Society for Experimental Biology and Medicine. Constitution and bylaws. **Proc Soc Exp Biol Med** 1983 Dec;174(3):D3–12
Cancer control research in American College of Surgeons approved programs. Smart CR. **Prog Clin Biol Res** 1983; 130:37–46
Compassion in medicine [news] Holden C. **Science** 1984 Feb 17;223(4637):670
Medical groups protest new 'Baby Doe' rules [news] Holden C. **Science** 1984 Feb 10;223(4636):569
Medical politics: decline in the hegemony of the Australian Medical Association? Hunter T. **Soc Sci Med** 1984; 18(11):973–80
Presidential address: the development and purpose of a regional vascular society. Ernst CB. **Surgery** 1983 Nov; 94(5):729–35
Alexander: serving patients is our goal [interview] Alexander GG. **Tex Med** 1984 Jun;80(6):26–7
Promises to keep. Douglas A. **Thorax** 1984 Jul;39(7):481–6
Members of the American Ophthalmological Society. **Trans Am Ophthalmol Soc** 1983;81:xv–xxix
Membership directory of the Medical Society of Virginia. **Va Med** 1984 Aug;111(8):425–529
American Academy of Clinical Toxicology. 1984 Membership Directory. **Vet Hum Toxicol** 1984 Aug; 26(4):333–8
State Medical Society of Wisconsin: 1984 membership directory as of July 5, 1984. **Wis Med J** 1984 Jul;83(7):1–90
Blue book 1984. **Wis Med J** 1984 Jun;83(6):21–156
State Medical Society of Wisconsin 1983 Membership Directory as of July 5, 1983. **Wis Med J** 1983 Jul; 82(7):1–101
[Report on the activity of the Slovak Medical Society since the 4th congress of its delegates] Niederland TR. **Cas Lek Cesk** 1983 Dec 16;122(50):1539–44 **(Cze)**
[Hospital Medical Society of Paris, 1984. List of members] **Ann Med Interne (Paris)** 1984;135(1):80–6 **(Fre)**
[The Société Médico-Psychologique] **Ann Med Psychol (Paris)** 1984 Jan;142(1):61–93 **(Fre)**
[Centenary of the French Society of Ophthalmology] **Bull Mem Soc Fr Ophtalmol** 1983;95:CLXXXIII–CXCIX **(Fre)**
[List of members of the French Society of Ophthalmology. 1983] **Bull Mem Soc Fr Ophtalmol** 1983;95:XIII–CLXXXII **(Fre)**
[Members of the Academy of Surgery] **Chirurgie** 1984; 110(1):I–IX **(Fre)**
[Collecting and registering information on perinatal mortality and morbidity. Meeting of the workshop of the International Federation of Gynecologists and Obstetricians, Heidelberg, 19–21 March 1982] **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):101–5 **(Fre)**
[French Society of Medical Radiology. 1984 Directory. 1st edition] **J Radiol** 1984 May;65(5):408–33 **(Fre)**
[French Society of Orthopedic and Traumatologic Surgery Membership list] **Rev Chir Orthop** 1984;70 Suppl 1:1–68 **(Fre)**
[French Society of Neurology. List of members (1984)] **Rev Neurol (Paris)** 1984;140(1):71–85 **(Fre)**
[German Society for Thoracic and Cardiovascular Surgery. 1983 Directory] **Thorac Cardiovasc Surg** 1984 Feb;32 Spec No 1:91–100 **(Ger)**
[The osteosynthesis workshop: a Swiss concept with international ramifications. 1.] Willenegger H, et al. **Unfallchirurgie** 1984 Apr;10(2):56–8 **(Ger)**
[List of members: German Society for Pathology] **Verh Dtsch Ges Pathol** 1983;67:795–819 **(Ger)**
[Traditional care in specialty societies of the Society for Total Public Health of East Germany] Oberdoerster F, et al. **Z Gesamte Hyg** 1984 Jun;30(6):362–3 **(Ger)**
[Development of information systems in the specialty of clinical chemistry and in the Society of Clinical Chemistry and Laboratory Diagnosis] Reichelt D. **Z Med Lab Diagn** 1983;24(7):408–14 **(Ger)**
[20-year history of the Society of Clinical Chemistry and Laboratory Diagnosis of East Germany] Scheuch DW, et al. **Z Med Lab Diagn** 1983;24(7):371–80 **(Ger)**
[Italian Association of Medical Radiology and Nuclear Medicine. Official directory of members 1982] **Radiol Med (Torino)** 1983;69 Suppl:3–58 **(Ita)**
[80 years of the Japanese Society of Gastroenterology] Matsunaga F. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul; 80(7):1395–409 **(Jpn)**
[Role of the Scientific Society of Anatomists, Histologists and Embryologists in optimizing the academic process in morphology departments and in improving museum studies] Dunaev PV, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):93–5 **(Rus)**
[Activities of the Moscow Scientific Society of Pathologists from September to October 1982] **Arkh Patol** 1983;

45(12):72–5 (Rus)
[The role of scientific medical societies in advanced training of medical personnel] Zhukov VA. **Sov Zdravookhr** 1983; (7):49–51 (Eng. Abstr.) (Rus)
[The importance and activity of the Council for International Organizations of Medical Science] Niederland TR. **Cas Lek Cesk** 1984 May 4;123(18):529–32 (Slo)
[List of members of the Spanish Society of Digestive Pathology] **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):95–118 (Spa)

HISTORY

The Scandinavian Association of Obstetricians and Gynecologists 1933–1983. Asplund J. **Acta Obstet Gynecol Scand [Suppl]** 1984;120:9–26
Opening speech at the 50th anniversary congress of the Scandinavian Association of Obstetricians and Gynecologists in Stockholm, January 28–29, 1983. Borell U. **Acta Obstet Gynecol Scand [Suppl]** 1984;120:5–7
A seventy-year history of the Japanese pathological society. Kageyama K, et al. **Acta Pathol Jpn** 1982;32 Suppl 1:1–21
The Austrian Society of Dermatopathology. Kerl H, et al. **Am J Dermatopathol** 1984 Jun;6(3):221–2
Conception, birth, and growth of the Australian Dermatopathology Society. Weedon D. **Am J Dermatopathol** 1984 Apr;6(2):159–60
The Society of Thoracic Surgeons: the first twenty years. Ellison RG. **Ann Thorac Surg** 1984 Jan;37(1):1–8
The Journal of the Roentgen Society, Number 1, Volume 1: an outline. Owen M. **Australas Radiol** 1983 Jul; 27(2):170–3
The bicentenary of the Royal College of Surgeons in Ireland 1784–1984. O'Brien E. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1988–90
The Oxford and Cambridge graduates' medical clubs. Peel J, et al. **Br Med J [Clin Res]** 1983 Dec 24–31; 287(6409):1979–81
A quarter-century of the Japanese Society of Child Neurology. Fukuyama Y. **Brain Dev** 1984;6(2):109–18
The first B.M.A. meeting in Bristol. Craig P. **Bristol Med Chir J** 1983 Jul;98(367):104–8
Med-Chi is 140 years old: a historical sketch of the Montreal Medical Chirurgical Society. Entin MA. **Can J Surg** 1983 Nov;26(6):563–5
The founding of the Association of Orthopaedic Chairmen. Clawson DK. **Clin Orthop** 1983 Dec;(181):298–303
Birth and development of a scientific journal, and a society. Heim LR. **Exp Hematol** 1983 Nov;11(10):907–13
A history of the Council for High Blood Pressure research. Past imperfect, present indicative, and future perfect. Page IH. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I208–10
The history of the International Epidemiological Association brought up to date. **Int J Epidemiol** 1984 Jun;13(2):139–41
AMWA's founder—the 'red headed dynamo'. Batchelor AJ. **J Am Med Wom Assoc** 1984 Jul–Aug;39(4):123, 139
The launching of the Journal of Endocrinology and the founding of the Society for Endocrinology. Zuckerman L. **J Endocrinol** 1984 Jan;100(1):1–5
IMA: its origin, role and prospects. Garg MG. **J Indian Med Assoc** 1983 Oct;81(7–8):142–7
Lieutenant Colonel C T Samman, OStJ, MRCS, LSA, DPH, Master of the Society of Apothecaries, 1928–31. Neild FG. **J R Army Med Corps** 1983 Oct;129(3):184–5
Sir Hans Sloane and the Philosophical Transactions. Cooke AM. **J R Coll Physicians Lond** 1984 Jul;18(3):170–1
The history of the College library, 1879–99. Newman CE. **J R Coll Physicians Lond** 1984 Jan;18(1):66–73
The history of the College library: the eighteen-seventies. Payne LM, et al. **J R Coll Physicians Lond** 1984 Jul; 18(3):198–202
Seventy-five years of the journal. Kampmeier RH. **J Tenn Med Assoc** 1983 Jul;76(7):431–8
Formation of a black medical profession in Tennessee, 1880–1920. Summerville J. **J Tenn Med Assoc** 1983 Oct; 76(10):644–6
A letter from Joseph Lister to Dr David Walsh. Landes RR, et al. **JAMA** 1984 Jun 15;251(23):3101–3
Taking stock: Med-Chi and its women members. Woolverton DK. **Md State Med J** 1983 Oct;32(10):787–91
The Royal College of Physicians and the apothecaries in the 17th century. A dispute for all seasons. Bonnabeau RC Jr. **Miss Med** 1983 Sep;66(9):565–7
1954–1984 with TMA: a look at 30 years of growth and change. Williston CL. **Tex Med** 1984 Jul;80(7):57–9
The Royal College of Physicians of London during the reign of the House of Stuart (1603–1714). Cooper DB. **Trans Stud Coll Physicians Phila** 1983 Sep;5(3):191–211
[A glance at the history of the Society of Internists in Bulgaria (on the 50th anniversary of its founding)] Glavchev P. **Vutr Boles** 1984;23(2):140–3 (Bul)
[Medical students and their fight for a Czech university and medical school. II. Czech Medical Student Association and its role in the fight for a Czech medical school] Hromádková J. **Sb Lek** 1984 Apr;86(4):119–28 (Eng. Abstr.) (Cze)
[Medical students in the fight for a Czech university and medical school. I. Medical students and the problem of nationality in the revolutionary years 1848–1849 and during the period of activity of the Czech Medical Students Club (until 1868)] Hromádková J. **Sb Lek** 1983 Oct; 85(9–10):277–84 (Eng. Abstr.) (Cze)
[50 years of the Dutch Society for Cardiology or, the Netherlands, cradle of the electrocardiography] Meijler FL. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):571–3 (Dut)
[A president of the Medico-Psychological Society: Prosper Lucas (1808–1885)] Biéder J. **Ann Med Psychol (Paris)** 1983 Sep-Oct;141(8):908–15 (Fre)
[Memoirs concerning the creation of the Society of Ophthalmology of Southern France and the Journal d'ophtalmologie] Ourgaud AG. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):309–12 (Fre)
[The history of the German EEG Society] Kugler J. **EEG EMG** 1984 Mar;15(1):1–7 (Ger)
[The 100th anniversary of the German Society of Pediatrics] Hellbrügge T. **Fortschr Med** 1983 Sep 8;101(34):1513–6 (Ger)
[Of physicians and civil servants. A collegium sanitatis in Kleve (1726)] Nagel A, et al. **Med Welt** 1983 Sep 16; 34(37):1019–20 (Ger)
[150 years of the Munich Medical Society. Retrospective on its founding, tasks and achievements] Goerke H. **MMW** 1983 Oct 14;125(41):906–10 (Ger)
[History and tasks of the International Study Group for Problems in Osteosynthesis. 2] Willenegger H, et al. **Unfallchirurgie** 1984 Jun;10(3):107–9 (Ger)
[48th annual meeting of the German Society for Cardiovascular Research Opening address] Greeff K. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:XI–XX (Ger)
[History of continuing medical education within the scope of regional associations and societies] Kaiser W, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):348–58 (Eng. Abstr.) (Ger)
[Progress of the Japanese Society of Pediatric Neurology in the past quarter of a century] Fukuyama Y. **No To Hattatsu** 1984;16(3):179–88 (Jpn)
[Activities of the Szczecin branch of the Gdansk–Pomeranian Medical Council 1945–1950] Brzeziński T. **Arch Hist Med (Warsz)** 1983;46(4):503–10 (Pol)
[Library of the Warsaw Medical Society 1821–1944] Foltyn W. **Arch Hist Med (Warsz)** 1983;46(2):149–82 (Eng. Abstr.) (Pol)
[25th anniversary of the Opole Branch of the Polish Gynecological Society] Lembrych S. **Ginekol Pol** 1984 Jan; 55(1):71–3 (Pol)
[The Association for Medical Education in Europe and its influence on the development of medical didactics] Olesińska-Serafin A. **Pol Tyg Lek** 1984 Mar 26;39(13):453–5 (Pol)
[Paris Society of Polish Physicians (on the 125th anniversary of its foundation] Witczak W. **Przegl Lek** 1984;41(4):325–7 (Eng. Abstr.) (Pol)
[Present residence of the Central Board of the Polish Medical Society and the Doctors' Club in Warsaw, 24 Ujazdowskie Avenue] Hornowski J. **Wiad Lek** 1983 Jul 1;36(13):1127–35 (Pol)
[900 sessions of the Scientific Society of Kiev and the Kiev Region] Kovalev MM, et al. **Klin Khir** 1984 Apr;(4):58–61 (Rus)
[50th anniversary of the Byelorussian Pediatric Society] Usov IN. **Pediatriia** 1983 Nov;(11):72–4 (Rus)
[Results of the activities of the Amur Branch of the Scientific Society of Epidemiologists, Microbiologists and Parasitologists in the past 25 years (1957–1982)] Skobulovich GV. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):117–9 (Rus)
[History of the activities of the Leningrad Scientific Society of Neuropathologists and Psychiatrists (1st years)] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1983;83(7):1067–9 (Rus)
[The Medical Society of Vojvodina (1919–1929)] Berić BM, et al. **Med Pregl** 1983;36(5–6):253–7 (Scr)
[The seal of the surgeon-barber guild in Karlovaci in the 18th century] Straser P, et al. **Med Pregl** 1982;35(11–12):493 (Scr)
[30 years of the Slovak Otolaryngological Society] Barta T, et al. **Cesk Otolaryngol** 1984 Feb;33(1):47–51 (Slo)
[Centenary of the founding of the German Society of Pediatrics. Its influence on Chilean pediatrics (editorial)] Artía A. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):387–9 (Spa)
[Internal medicine – a product of our own century] Boström H. **Lakartidningen** 1983 Nov 16;80(46):4405–7 (Swe)
[Notable days and notable men in the Swedish Medical Society] Kock W. **Lakartidningen** 1983 Nov 30; 80(48):4667–70 (Swe)
[The Swedish medical society celebrates the 175 anniversary] Osterberg S. **Lakartidningen** 1983 Oct 5;80(40):3671–4 (Swe)

LEGISLATION & JURISPRUDENCE

Federal Trade Commission regulatory and enforcement activities involving professional associations. Berg RN. **J Med Assoc Ga** 1984 Mar;73(3):181–3

ORGANIZATION & ADMINISTRATION

History of the American Society of Dermatopathology. Freeman RG. **Am J Dermatopathol** 1984 Feb;6(1):25–33
The scientist and rheumatology [editorial] Johnson PM. **Br J Rheumatol** 1984 Feb;23(1):1–2
An organization of private psychiatrists to improve treatment of chronic patients. Shadoan RA, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):850–1
Serving the many needs of the doctor of optometry. Rancilio CA. **J Am Optom Assoc** 1983 Sep;54(9):831–2
Changing health care scenes. McCullough CT Jr. **NC Med J** 1983 Aug;44(8):513–5
Organized medicine's new partnership. Edwards KS. **Ohio State Med J** 1984 Jun;80(6):457–9
Commentary from Santa Fe: revitalizing county medical society meetings—a proposed reform of the rules. Mann JM. **West J Med** 1984 May;140(5):812–3
[Organization of an institute's work with its graduates] Kondratenko GP, et al. **Sov Zdravookhr** 1984;(3):46–9 (Eng. Abstr.) (Rus)
[Activities of students' scientific ophthalmological societies] Kartasheva EA. **Vestn Oftalmol** 1984 May–Jun;(3):65–7 (Eng. Abstr.) (Rus)

TRENDS

[Trends in veterinary medicine] Wouda LH. **Tijdschr Diergeneeskd** 1984 Apr 1;109(7):316–21 (Dut)

SOCIETIES, NURSING

AORN: Association of Operating Room Nurses: 31st annual congress, Atlanta. Commitment, challenge, change. **AORN J** 1984 Feb;39(3):281–564
Does the Victorian Order of Nurses have a future? [letter] Arnold I. **Can Med Assoc J** 1984 May 15;130(10):1258
Research for clinical practice: physiological phenomena. Lindsey AM. **Heart Lung** 1984 Sep;13(5):496–507 (99 ref.)
Dear Mary, Morrow H. **Int Nurs Rev** 1984 Mar–Apr; 31(2):53–4,56
Directory of nurse practitioner organizations. **Nurse Pract** 1984 Jan;9(1):52–3, 56–62, 64–6

ORGANIZATION & ADMINISTRATION

The conflicting demands of professionalism and unionism. Baumgart AJ. **Int Nurs Rev** 1983 Sep–Oct;30(5):150–5

SOCIETIES, PHARMACEUTICAL

Membership of hospital pharmacists in a state professional society. Dostal MM, et al. **Am J Hosp Pharm** 1984 Feb; 41(2):329–30
U.S. Supreme Court decision in Jefferson County Pharmaceutical Association v. Abbott Laboratories et al. Podell LB. **Am J Hosp Pharm** 1983 Sep;40(9):1537–8
Harvey A.K. Whitney lecture. Old dreams, young hopes. Reilly MJ. **Am J Hosp Pharm** 1984 Aug;41(8):1529–35
New developments at the Society of Apothecaries. Gibson R. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1973–5
Rho Chi Lecture Award. The shape of the Rho Chi key. Tyler VE. **Drug Intell Clin Pharm** 1984 Feb;18(2):102–4

LEGISLATION & JURISPRUDENCE

Concerning the Case of United States v. American Pharmaceutical Association and Michigan state Pharmaceutical Association Civil No. G75–558, CA5, W.D. Michigan. Apple WS. **Am Pharm** 1983 Aug; NS23(8):54–6

SOCIETIES, SCIENTIFIC

Presidential address. Johnston WW. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):579–83
International Society for twin studies. **Acta Genet Med Gemellol (Roma)** 1983;32(1):91–5
President's address. Sandstead HH. **Am J Clin Nutr** 1984 Apr;39(4):638–40
New members and associates of the American Psychological Association. **Am Psychol** 1984 Feb;39(2):167–75
The employment of APA members: 1982. Stapp J, et al. **Am Psychol** 1983 Dec;38(12):1298–320
EMBO membership list. **EMBO J** 1983;2(4):627–36
The focus of women in The American Fertility Society. Haseltine FP, et al. **Fertil Steril** 1984 Sep;42(3):345–7
Parasitological societies of the world. **Int J Parasitol** 1984 Feb;14(1):5–8
Parasitological societies of the world. **Int J Parasitol** 1984 Aug;14(4):339–42
The 106th meeting of the Acoustical Society of America. San Diego, California, 7–11 November 1983. Abstracts. **J Acoust Soc Am** 1983 Fall;74 Suppl 1:S1–127
AOA's service to the future and recent graduates. Smith ES Jr. **J Am Optom Assoc** 1983 Dec;54(12):1087–8
Officers, committees, and representatives of the American Dairy Science Association July 1983—June 1984. **J Dairy Sci** 1983 Sep;66(9):2045–57
Presidential address. I am a nutritionist. Steffee WP. **JPEN** 1983 Jul–Aug;7(4):333–6
Exchange circulation of AAPM and HPA publication information. Morgan WD. **Med Phys** 1983 Sep–Oct; 10(5):713–4
Administration hints at clampdown on biotechnology exports [news] Budiansky S, et al. **Nature** 1984 May 31–Jun 6; 309(5967):389
The book publishing program of The American Physiological Society. Morgan HE. **Physiologist** 1983 Oct;26(5):286–8
Senate wants Academy to assess medical technology [news] Fox JL. **Science** 1984 Aug 3;225(4661):489
BVA and the Third World [letter] Guilbride PD.

Vet Rec 1984 Apr 7;114(14):363

HISTORY

25 year activities of the International Society of Biometerology and 25 year publication index. Schnitzler H, et al. **Int J Biometeorol** 1983 Dec;27(4):287–434

The life and work of Melanie Klein in the British Psycho–Analytical Society. King PH. **Int J Psychoanal** 1983;64 (Pt 3):251–60

The Accademia Segreta of Girolamo Ruscelli. A sixteenth–century Italian scientific society. Eamon W, et al. **Isis** 1984 Jun;75(277):327–42

Agricultural and food chemistry: accomplishments and perspectives. Zikakis JP. **J Agric Food Chem** 1983 Jul–Aug; 31(4):672–5

A perspective review of the development of AOAC microbiological methods. Andrews WH. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):661–73

Early societies popularize scientific research. Hackmann WD. **Med Instrum** 1983 Sep–Oct;17(5):338

History of the Cardiovascular Section. Alexander RS. **Physiologist** 1984 Apr;27(2):67–8

The 1941–42 search for an APS emblem. Appel TA. **Physiologist** 1984 Apr;27(2):69–70

The archives of the American Physiological Society. Appel TA. **Physiologist** 1984 Jun;27(3):131–2

A retrospective look through the camera of Fred A. Hitchcock. Dean JB. **Physiologist** 1984 Jun;27(3):128–30

The Royal Counties Veterinary Association 1883–1983. Duncan A. **Vet Rec** 1983 Dec 10;113(24):552–3

A brief history of the IOM. Barile MF. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):353–4

[30 years of the Slovak Academy of Science] Petrášek J. **Cas Lek Cesk** 1983 Dec 16;122(50):1568 **(Cze)**

[Dissidence, secession and defection in 'the history of the psychoanalytic movement'] Boulanger JB. **Union Med Can** 1983 Aug;112(8):744–6 (Eng. Abstr.) **(Fre)**

[Brief history of the Japan Society of Medical Electronics and Biological Engineering] **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):486–98 **(Jpn)**

ORGANIZATION & ADMINISTRATION

[The Japan Society of Medical Electronics and Biological Engineering and International Federation for Medical and Biological Engineering (IFMBE)] Suhara K. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):499–512 **(Jpn)**

SOCIOECONOMIC FACTORS

Lying and killing: language and the moral reasoning of twelve– and fifteen–year–olds by social group. Corson D. **Adolescence** 1984 Summer;19(74):473–82

Body size of infants and children around the world in relation to socioeconomic status. Meredith HV. **Adv Child Dev Behav** 1984;18:81–145

The relationship of personal financial status to the utilization of community mental health centers in rural Appalachia. Banziger G, et al. **Am J Community Psychol** 1983 Oct; 11(5):543–52

Race differences in psychological distress: the effects of SES, urbanicity, and measurement strategy. Neff JA. **Am J Community Psychol** 1984 Jun;12(3):337–51

Re: 'Occupational risk factors and liver cancer' [letter] Van Peenen PF, et al. **Am J Epidemiol** 1984 Jan;119(1):144–5

The relationship between maternal risk status and maternal sensitivity. Crittenden PM, et al. **Am J Orthopsychiatry** 1984 Apr;54(2):250–62

Genetic and sociocultural components of high blood pressure. Ward RH. **Am J Phys Anthropol** 1983 Sep; 62(1):91–105

Social selection and evolution of human diseases. Yokoyama S. **Am J Phys Anthropol** 1983 Sep;62(1):61–6

Unemployment and criminal involvement: an investigation of reciprocal causal structures. Thornberry TP, et al. **Am Sociol Rev** 1984 Jun;49(3):398–411

Economic sources of homicide: reestimating the effects of poverty and inequality. Williams KR. **Am Sociol Rev** 1984 Apr;49(2):283–9

Ethnic birth patterns and fetal outcome in Auckland and New Zealand in the 1970's and their medico–social implications. Part II. Ethnicity and medico–social implications. Hutchison CP. **Asia Oceania J Obstet Gynaecol** 1984 Mar; 10(1):63–7

Socio–economic status and childhood injuries. Langley J, et al. **Aust Paediatr J** 1983 Dec;19(4):237–40

Are the social workers prepared to assist a changing population of dysfunctional parents in Sweden? Larsson G, et al. **Child Abuse Negl** 1984;8(1):9–14

International drug treaties: the connexion between ratification and social and economic conditions. Smart RG, et al. **Drug Alcohol Depend** 1984 Mar;13(2):107–16

Economic pressures resulting from aging of kibbutz society. Shomaker D. **Gerontologist** 1984 Jun;24(3):313–7

Influence of psychosocial factors on adolescent compliance with oral contraceptives. Durant RH, et al. **J Adolesc Health Care** 1984 Jan;5(1):1–6

Impact of child mortality and sociodemographic attributes on family size desires: some data from urban India. Saksena DN, et al. **J Biosoc Sci** 1984 Jan;16(1):119–26

Socioeconomic factors affecting mortality in rural Tanzania. Sembajwe IS. **J Biosoc Sci** 1983 Oct;15(4):487–500

The rapid fertility decline in Guam natives. Tung SL. **J Biosoc Sci** 1984 Apr;16(2):231–9

Climate, socioeconomic status and Hodgkin's disease mortality in the United States. DeLong ER, et al. **J Chronic Dis** 1984;37(3):209–13

ACORN group, social class, and child health. Morgan M, et al. **J Epidemiol Community Health** 1983 Sep; 37(3):196–203

Why the economy predicts help–seeking: a test of competing explanations. Dooley D, et al. **J Health Soc Behav** 1984 Jun;25(2):160–76

The influence of socioeconomic status on health–related knowledge and habits of middle–aged males. Auckland JN, et al. **J R Soc Health** 1984 Aug;104(4):130–4

Relationship of patient characteristics to program attendance by women alcoholics. Bander KW, et al. **J Stud Alcohol** 1983 Mar;44(2):318–27

A longitudinal analysis of patient characteristics at a private alcoholism hospital. Knowles P, et al. **J Stud Alcohol** 1983 May;44(3):524–9

Australian state–specific reference data, by socioeconomic status, for the analysis of health and disease correlates. Nixon J, et al. **Med J Aust** 1984 Jan 21;140(2 Suppl):S2–4

Psychosocial status in chronic illness. A comparative analysis of six diagnostic groups. Cassileth BR, et al. **N Engl J Med** 1984 Aug 23;311(8):506–11

Blood group and socio–economic class [letter] **Nature** 1984 May 31–Jun 6;309(5967):395–9

Depression and mastery in women: differences according to personal characteristics. Walford–Kraemer P, et al. **Psychol Rep** 1984 Jun;54(3):710

Explanations of social inequality: an approach to the problem. Hansen EJ. **Scand J Soc Med [Suppl]** 1984;34:45–56

Psychosocial aspects of repeat abortions in Singapore—a preliminary report. Tsoi WF, et al. **Singapore Med J** 1984 Apr;25(2):116–21

Characteristics of pregnant women in Mozambique—parity, child survival and socioeconomic status. Lijestrand J, et al. **Ups J Med Sci** 1984;89(2):117–28

[The effect of psychosocial factors on morbidity, health and the mental status of school children in a long–term study. 1. The research stage] Valtrová V, et al. **Cesk Pediatr** 1984 Jan;39(1):44–9 (Eng. Abstr.) **(Cze)**

[Psychological and social problems in young diabetics] Svoboda Z, et al. **Vnitr Lek** 1983 Aug;29(8):766–9 (Eng. Abstr.) **(Cze)**

[Emergency priority treatment in a psychiatric admission department] Aggernaes H, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):543–5 (Eng. Abstr.) **(Dan)**

[The conditions for children and their parents in hospital. II. Parents admitted to a pediatric department] Ibsen KK, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3689–91 (Eng. Abstr.) **(Dan)**

[Reconstructive vascular surgery in the aged. The postoperation social status of patients over 70] Madsen PV, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3904–6 (Eng. Abstr.) **(Dan)**

[Choice of termination of pregnancy. The significance of demographic and social factors] Rasmussen NK, et al. **Ugeskr Laeger** 1983 Nov 28;145(48):3758–64 (Eng. Abstr.) **(Dan)**

[Sailors during the war: 40 years later. Psychological and social sequelae – a pilot study] Sørensen H, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3685–8 (Eng. Abstr.) **(Dan)**

[Nutritional problems in infants. Social conditions, dietary habits and utilization of preventive measures in immigrant children with nutritional diseases and a control group] Uldall P, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):606–8 (Eng. Abstr.) **(Dan)**

[Influence of social factors on health. Problems in assessment] Hertoghe L, et al. **Arch Belg** 1983;41(5–6):222–30 (Eng. Abstr.) **(Fre)**

[Social and medical characteristics of psychiatric patients admitted by the district physician] Rogoll H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Mar; 36(3):146–51 (Eng. Abstr.) **(Ger)**

[Bechterew's disease. A social medicine study] Lund JA. **Tidsskr Nor Laegeforen** 1983 Jun 10;103(16):1325–6 (Eng. Abstr.) **(Nor)**

[Psychosocial aspects of the care of children with bladder exstrophy] Vandvik IH. **Tidsskr Nor Laegeforen** 1984 Aug 30;104(24):1624–6 **(Nor)**

[The effect of socioeconomic factors on the incidence of acute respiratory diseases] Hrustić O, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):209–15 (Eng. Abstr.) **(Scr)**

[Sociogenetic reference limits for public health studies in Chile] Valenzuela C. **Rev Chil Pediatr** 1984 Mar–Apr; 55(2):123–7 (Eng. Abstr.) **(Spa)**

SOCIOENVIRONMENTAL THERAPY

A controlled comparison of the effects of social skills training and remedial drama on the conversational skills of chronic schizophrenic inpatients. Spencer PG, et al. **Br J Psychiatry** 1983 Aug;143:165–72

Comparative evaluation of medical vs. social treatment of alcohol withdrawal syndrome. McGovern MP. **J Clin Psychol** 1983 Sep;39(5):791–803

SOCIOLOGY

see related
GROUP PROCESSES

A proposed sociology of gerontology. Seltzer MM. **Gerontol Geriatr Educ** 1983 Winter;4(2):3–9

Background papers to the Eighth International Conference on the Social Sciences and Medicine. Stirling, Scotland, 22–26 August 1983. **Soc Sci Med** 1983;17(16):1075–221

The scientific ethos debate: a meta–theoretical view. Toren N. **Soc Sci Med** 1983;17(21):1665–72

[Methods for the determination of psycho–social performance within the scope of a model for objectivizing biological age] Pöthig D, et al. **Z Gesamte Inn Med** 1983 Nov 15; 38(22):609–15 (Eng. Abstr.) **(Ger)**

[The alcoholization process in Latin America. Critical analysis of biomedical and sociological production, 1970–1980 (2)] Menéndez EL. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):29–40 (Eng. Abstr.) **(Spa)**

EDUCATION

Teaching psychosocial medicine [letter] Smith RC. **J Med Educ** 1983 Nov;58(11):920

SOCIOLOGY, MEDICAL

Rudolf Ludwig Karl Virchow, where are you now that we need you? Eisenberg L. **Am J Med** 1984 Sep;77(3):524–32

Socioeconomic resources in medicine: review of the literature. Austin T. **Bull Med Libr Assoc** 1984 Jul; 72(3):251–6

Behavioural science is not spoken here—where are the interpreters? Kamien M. **Community Health Stud** 1984; 8(2):223–8

Alternative health care [letter] **N Engl J Med** 1984 Mar 22; 310(12):790–2

Are we physicians helpless? Davidson CS. **N Engl J Med** 1984 Apr 26;310(17):1116–8

Is self–care a social movement? Schiller PL, et al. **Soc Sci Med** 1983;17(18):1343–52 (85 ref.)

[Recent results of a sociologic analysis of stressful working conditions and their effect on workers] Mergner U. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Dec;33(12):388–94 **(Ger)**

[Ethical conduct in biomedical research. II. Ethical aspects of the relationship between the biomedical sciences and society] Leighton F. **Rev Med Chil** 1983 Oct; 111(10):1095–100 **(Spa)**

HISTORY

The development of medical sociology in Europe. Claus LM. **Soc Sci Med** 1983;17(21):1591–7

The state of medical sociology in the United States, Great Britain, West Germany and Austria: applied vs pure theory. Cockerham WC. **Soc Sci Med** 1983;17(20):1513–27

TRENDS

[Medical sociology—variants in East Germany] Rychlik R. **Fortschr Med** 1984 Jan 19;102(3):58–9 **(Ger)**

SOCIOMETRIC TECHNICS

Methodology in behavioral and psychosocial cancer research. Development of psychometric assessment methods by life cycle stages. Spinetta JJ. **Cancer** 1984 May 15;53(10 Suppl):2222–7

Methodology in behavioral and psychosocial cancer research. Work, social, recreation, family, and physical status. Wellisch DK. **Cancer** 1984 May 15;53(10 Suppl):2290–2302

Methodology in behavioral and psychosocial cancer research. Practical concerns and pitfalls in measurement methodology. Yates JW, et al. **Cancer** 1984 May 15;53(10 Suppl):2376–81

The measurement of social class. Daniel A. **Community Health Stud** 1984;8(2):218–22

Social class analysis—an embarrassment to epidemiology. Jones IG, et al. **Community Med** 1984 Feb;6(1):37–46

Peer preferences in a desegregated school: a round robin analysis. Whitley BE Jr, et al. **J Pers Soc Psychol** 1984 Apr;46(4):799–810

[Methods for the determination of psycho–social performance within the scope of a model for objectivizing biological age] Pöthig D, et al. **Z Gesamte Inn Med** 1983 Nov 15; 38(22):609–15 (Eng. Abstr.) **(Ger)**

SOCIOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

SODIUM

see related
HYPERNATREMIA
HYPONATREMIA
NATRIURESIS

Assessing sodium and potassium intake in essential hypertension. Gillum RF, et al. **Am Heart J** 1984 Mar; 107(3):549–55

Thirst and sodium appetite after colloid treatment in rats with septal lesions. Stricker EM. **Behav Neurosci** 1984 Apr;

98(2):356–60
Cation permeability induced by two 15-O5 macrocyclic polyether carriers in phospholipidic large unilamellar vesicles. Thomas C, et al.
Biochem Biophys Res Commun 1983 Nov 15;116(3):981–7
Binding of monovalent cations to phosphatidylserine and modulation of Ca2+- and Mg2+-induced vesicle fusion. Nir S, et al. **Biochim Biophys Acta** 1983 Oct 26; 735(1):160–72
A quantum chemical study of the effect of Na+ on the hydrogen bonds in the adenine–thymine base–pair. Hobza P, et al. **Biophys Chem** 1984 May;19(3):201–9
The gramicidin A channel: comparison of the energy profiles of Na+, K+ and Cs+. Influence of the flexibility of the ethanolamine end chain on the profiles. Etchebest C, et al. **FEBS Lett** 1984 Aug 6;173(2):301–6
Binding of metal ions to polysaccharides. V. Potentiometric, spectroscopic, and viscosimetric studies of the binding of cations to chondroitin sulfate and chondroitin in neutral and acidic aqueous media. Balt S, et al.
J Inorg Biochem 1983 Nov;19(3):213–26
Soviet agriculture: salt in the wounds [news] Rich V.
Nature 1984 Apr 26–May 2;308(5962):764
The olfactory detection of sodium and lithium salts by sodium deficient cattle. Bell FR, et al. **Physiol Behav** 1983 Sep; 31(3):307–12

ADMINISTRATION & DOSAGE

The role of salt in hypertension. Berglund G.
Acta Med Scand [Suppl] 1983;672:117–20 (20 ref.)
Effect of changes in sodium intake on cell transport parameters. Morgan TO, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):455–67 (25 ref.)
Oral rehydration therapy of severe diarrheal dehydration. Sharifi J, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):87–90
Sodium and potassium intake and blood pressure. MacGregor GA. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III79–84
Plasma norepinephrine and dietary sodium intake in normal subjects and patients with essential hypertension. Masuo K, et al. **Hypertension** 1983 Sep–Oct;5(5):767–71
Blood pressure in blacks and whites and its relationship to dietary sodium and potassium intake. Frisancho AR, et al.
J Chronic Dis 1984;37(7):515–9
Dopaminergic suppression of angiotensin II–induced aldosterone secretion in man: differential responses during sodium loading and depletion. Drake CR Jr, et al.
Metabolism 1984 Aug;33(8):696–702
[Clinical application of high sodium dialysis: report of 6 cases] Yu HY. **Chung Hua Wai Ko Tsa Chih** 1983 Nov; 21(11):692–4 (Eng. Abstr.) **(Chi)**
[Correction of mineral composition of protein hydrolysates with high-linked cationite] Gorskaia NA, et al.
Gematol Transfuziol 1983 Sep;28(9):54–7 **(Rus)**

ADVERSE EFFECTS

Salt and high blood pressure. McGuffin WL Jr.
Ala J Med Sci 1984 Jan;21(1):20–5
Role of epidemiologic studies in deriving drinking water standards for metals. Calabrese EJ.
Environ Health Perspect 1983 Oct;52:99–106
Mechanisms of elevated blood pressure in human essential hypertension. Davidman M, et al. **Med Clin North Am** 1984 Mar;68(2):301–20 (85 ref.)

ANALYSIS

Sodium scan [news] **Am Fam Physician** 1983 Dec;28(6):241
Sodium handling by aging human parotid glands is inconsistent with a two-stage secretion model. Baum BJ, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R35–9
Measurement of osmolality and sodium concentration in heated-cup sweat collections for the investigation of cystic fibrosis. Kirk JM, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):369–73
Potassium, sodium, and chloride content of isolated intact chloroplasts in relation to ionic compartmentation in leaves. Robinson SP, et al. **Arch Biochem Biophys** 1984 Jan; 228(1):197–206
The concentration of sodium, potassium and chloride in rabbit submandibular saliva during postnatal development. Reynolds JM, et al. **Arch Oral Biol** 1983;28(9):879–83
Effects of varying frequency of parasympathetic nerve stimulation on flow rate and ion concentrations of rat submandibular saliva. Yu JH, et al. **Arch Oral Biol** 1984; 29(7):551–3
The effect of furosemide on sodium and potassium concentrations in guinea-pig perilymph. Kanoh N, et al.
Arch Otorhinolaryngol 1984;240(1):21–6
Cardiac glycosides and intracellular Na+, K+, Ca2+. Noack E. **Basic Res Cardiol** 1984;79 Suppl:87–92
Effects of non-toxic doses of ouabain on sodium, potassium, calcium distribution in guinea pig papillary muscle. Electronprobe microanalysis. Wendt-Gallitelli MF, et al.
Basic Res Cardiol 1984;79 Suppl:79–86
Correlation of malignancy with the intracellular Na+:K+ ratio in human thyroid tumors. Nagy I, et al.
Cancer Res 1983 Nov;43(11):5395–402
Variations in the mineral composition of human enamel on the level of cross-striations and striae of Retzius. Driessens FC, et al. **Caries Res** 1984;18(3):237–41
Abnormalities of vascular wall sodium content in dogs with benign and malignant renal hypertension. Simon G, et al.
Clin Exp Hypertens [A] 1984;6(3):647–58
Acid–neutralizing capacity and sodium content of antacid products from Belgium. Gombatz VW. **Clin Ther** 1984; 6(2):151–4
Soft tissue potassium, magnesium, sodium and ash contents throughout the life span of highly inbred rats. McBroom MJ, et al. **Comp Biochem Physiol [A]** 1983;75(4):529–33
The sodium content of convenience and traditionally prepared school meals. Hartley E, et al.
Hum Nutr Appl Nutr 1984 Feb;38(1):60–4
Removal of electrolytes from institutionally packaged foods. Weaver CM, et al. **J Am Diet Assoc** 1984 Mar;84(3):319–22
Water sodium, urinary electrolytes, and blood pressure of adolescents. Robertson JS.
J Epidemiol Community Health 1984 Sep;38(3):186–94
Analysis of sodium content of community water supplies. Korch G, et al. **J Med Soc NJ** 1983 Dec;80(12):1007–9
Interrelations among Na and K content, cell volume, and buoyant density in human red blood cell populations. Lee P, et al. **J Membr Biol** 1984;79(2):119–26
Exchange of sodium by magnesium in aluminum hydroxycarbonate gel. Scholtz EC, et al. **J Pharm Sci** 1984 Jul;73(7):1007–9
Effects of palytoxin on Na, K and ATP contents of vascular smooth muscle of rabbit aorta. Ozaki H, et al.
Jpn J Pharmacol 1984 Jan;34(1):57–66
Sodium content of injectable beta-lactam antibiotics. Baron DN, et al. **Lancet** 1984 May 19;1(8386):1113–4
Oral rehydration fluids used in the treatment of diarrhoea. Analysis of the osmolalities, and sodium, potassium and sugar contents of commercial and home-made products. Dibley M, et al. **Med J Aust** 1984 Mar 17;140(6):341–7
Sodium and potassium contents of salts, salt substitutes, and other seasonings. Greenfield H, et al. **Med J Aust** 1984 Apr 14;140(8):460–2
Optimization of Na content of dialysis fluid. Funck-Brentano JL, et al. **Nephron** 1984;36(3):197–200
An analysis of the nuclear sodium content of human normal glia as well as tumors of glial and nonglial origin. Ignelzi RJ. **Neurol Res** 1983;5(2):79–84
The potassium/sodium ratio in the demonstration of sudden ischemic cardiac death: a critical appraisal. Thomas AC, et al. **Pathology** 1983 Jul;15(3):287–96
[Measurements of ion concentrations with microelectrodes on vital tissue sections of human breast cancer] Schälike W, et al. **Arch Geschwulstforsch** 1983;53(5):407–15 (Eng. Abstr.) **(Ger)**
[Behavior of salivary electrolytes in decompensated cardiology patients] Lütz G, et al.
Zahn Mund Kieferheilkd 1984;72(4):334–8 (Eng. Abstr.) **(Ger)**
[Dynamics of the mental work capacity and salivary electrolyte excretion in 4th- to 6th-grade pupils as affected by the academic load] Loseva OA, et al. **Gig Sanit** 1984 May;(5):51–3 **(Rus)**
[Antacid capacity, sodium content and osmolarity of various antacids] Csendes A, et al. **Rev Med Chil** 1983 Nov; 111(11):1134–8 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

A circulating inhibitor of leucocyte sodium transport in patients with advanced liver cirrhosis. Sewell RB, et al.
Clin Sci 1984 Jun;66(6):741–4
Plasma sodium pump inhibitor in essential hypertension and normotensive subjects with hypertensive heredity. de Thé H, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S49–54
Blood pressure, intraerythrocyte content, and transmembrane fluxes of sodium during normal and high salt intake in subjects with and without a family history of hypertension: evidence against a sodium transport inhibitor.
Gudmundsson O, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S35–41
A circulating sodium transport inhibitor and essential hypertension. MacGregor GA, et al.
J Cardiovasc Pharmacol 1984;6 Suppl 1:S55–60 (37 ref.)
The relation of a circulating sodium transport inhibitor (the natriuretic hormone?) to hypertension. de Wardener HE, et al. **Medicine (Baltimore)** 1983 Sep;62(5):310–26 (239 ref.)

BLOOD

Intraerythrocyte sodium content and transmembrane sodium flux in hypertensive patients treated with diuretics or beta-adrenoceptorblockers. Herlitz H, et al.
Acta Pharmacol Toxicol (Copenh) 1984;54 Suppl 1:37–42
Effect of hydromassage on changes in blood electrolyte and lactic acid levels and haematocrit value after maximal effort. Tomasik M. **Acta Physiol Pol** 1983 Mar–Apr; 34(2):257–61
A simplified technique to estimate sodium influx and efflux in erythrocytes. Jonsson O, et al. **Acta Physiol Scand** 1984 May;121(1):93–5
Lithium, sodium and potassium transport in erythrocytes of manic-depressive patients. Dagher G, et al.
Acta Psychiatr Scand 1984 Jan;69(1):24–36
Passive transport of K+ and Na+ in human red blood cells: sulfhydryl binding agents and furosemide. Wiater LA, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C348–56
Direct determination of sodium and potassium in blood serum by flow injection and atomic absorption spectrophotometry. Burguera JL, et al.
An Acad Bras Cienc 1983 Jun;55(2):209–11
Prediction of postdialysis serum sodium concentration and transcellular fluid shift without measuring body fluid volumes. Kimura G, et al. **Artif Organs** 1983 Nov; 7(4):410–5
Effect of digoxin on serum and urinary cation changes on acute induction to high altitude. Ohri VC, et al.
Aviat Space Environ Med 1984 Apr;55(4):287–90
Na+–Ca2+ exchange activity in rabbit lymphocyte plasma membranes. Ueda T. **Biochim Biophys Acta** 1983 Oct 12; 734(2):342–6
The effect of cyclic nucleotides and icosanoids on Na+ and K+ transport in human red cells. Garay R, et al.
Biomed Biochim Acta 1983;42(11–12):S53–7
Erythrocytic cation transport receptor numbers and activity in pregnancies complicated by essential hypertension and pre-eclampsia. Aronson JK, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1332–4
Plasma sodium concentration [letter] Burns RF, et al.
Br Med J [Clin Res] 1983 Oct 8;287(6398):1068
Calcium antagonists in hypertension [letter] Gray HH, et al.
Br Med J [Clin Res] 1984 Jan 21;288(6412):236–7
Reversal by verapamil of defect in sodium transport in leucocytes in essential hypertension. Gray HH, et al.
Br Med J [Clin Res] 1984 Mar 3;288(6418):673–5
Calcium antagonists in hypertension: relation to abnormal sodium transport. Heagerty AM, et al.
Br Med J [Clin Res] 1983 Nov 12;287(6403):1405–7
Pregnancy induced hypertension: evidence for increased cell membrane permeability to sodium. Weissberg PL, et al.
Br Med J [Clin Res] 1983 Sep 10;287(6394):709–11
Phasic vascular sodium pump changes in deoxycorticosterone-hypertensive rats. Songu-Mize E, et al. **Circ Res** 1984 Sep;55(3):304–8
Direct potentiometric determination of sodium ion in blood. II. Influence of cations. Bijster P, et al. **Clin Chem** 1984 Jun;30(6):865–70
Direct potentiometric determination of sodium ion in blood. I. Potentiometric response in simple sodium chloride solutions. Bijster P, et al. **Clin Chem** 1984 Jan;30(1):6–10
Determination of sodium and potassium with ion-selective electrodes. Fogh-Andersen N, et al. **Clin Chem** 1984 Mar; 30(3):433–6
Changes in sodium and uric acid concentrations in plasma during the menstrual cycle. Mira M, et al. **Clin Chem** 1984 Mar;30(3):380–1
Simultaneous on-line measurement of blood K+, Ca2+, Na+, and pH with a four-function ChemFET integrated-circuit sensor. Sibbald A, et al. **Clin Chem** 1984 Jan;30(1):135–7
The effect of pregnancy and pregnancy induced hypertension on active sodium transport in the erythrocyte. Rubython J, et al. **Clin Chim Acta** 1983 Jul 31;132(1):91–9
A simplified method for simultaneously determining countertransport and cotransport in human erythrocytes. Smith JB, et al. **Clin Chim Acta** 1984 Feb 28;137(2):169–77
Heritability of erythrocyte Na+-Li+ countertransport in relation to essential hypertension. Kagamimori S, et al.
Clin Exp Hypertens [A] 1984;6(5):951–60
Family history of hypertension and rates of sodium transport: absence of an association in population-based studies. Sempos C, et al. **Clin Exp Hypertens [A]** 1984;6(7):1379–93
Erythrocyte 22Na+ influx in hypertension. Shalev O, et al.
Clin Exp Hypertens [A] 1984;6(7):1367–77
Erythrocyte cation transport disturbances in patients with endogenous depression. Rybakowski J, et al.
Clin Exp Pharmacol Physiol 1984 May-Jun;11(3):319–26
Erythrocyte cation fluxes in normal and hypertensive human subjects. Stokes GS, et al. **Clin Exp Pharmacol Physiol** 1983 May-Jun;10(3):279–82
Investigations on the Na+, K+-pump in erythrocytes of patients with renal hypertension. Brod J, et al. **Clin Sci** 1984 Mar;66(3):351–5
Ouabain-resistant, frusemide-sensitive sodium efflux in human lymphocytes: a comparison of normotensive and hypertensive subjects. Montanari A, et al. **Clin Sci** 1984 Oct;67(4):407–11
A passive sodium transport inhibitory factor (inhibitin) released from leukaemic promyelocytes in culture. Morgan K, et al. **Clin Sci** 1984 Mar;66(3):365–8
Atrial natriuretic factor: sodium transport in human erythrocytes. Trippodo NC, et al. **Clin Sci** 1984 Oct; 67(4):403–5
Relationship between the intra-erythrocyte sodium composition and the membrane lipoprotein composition among different mammal species. Garnier M, et al.
Comp Biochem Physiol [A] 1984;77(2):315–7
Carbamazepine and serum sodium levels. Kalff R, et al.
Epilepsia 1984 Jun;25(3):390–7
Abnormal Na+,K+ cotransport function in a group of patients with essential hypertension. Garay RP, et al.
Eur J Clin Invest 1983 Aug;13(4):311–20
Thrombin stimulates Na+-H+ exchange across the human platelet plasma membrane. Siffert W, et al. **FEBS Lett** 1984 Jul 9;172(2):272–4
Bioassay for salmon prolactin using hypophysectomized Fundulus heteroclitus. Grau EG, et al.
Gen Comp Endocrinol 1984 Jan;53(1):78–85
Radioactive 86rubidium influx into red blood cells in essential hypertension in relation to the plasma renin activity. Horký K, et al. **Horm Metab Res** 1984 Jan;16(1):41–5
Red cell sodium countertransport and cotransport in normotensive and hypertensive blacks. Canessa M, et al.

Hypertension 1984 May-Jun;6(3):344-51

Red blood cell sodium in the DOCA hypertensive pig. Guthe CC, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V105-9

Changes in leucocyte sodium transport in normotensive relatives of hypertensive subjects. Dissociation from blood pressure. Milner M, et al. **Hypertension** 1984 May-Jun; 6(3):369-73

Interaction of internal Na+ and external K+ with the erythrocyte Na+, K+ cotransport system in essential hypertension. Price M, et al. **Hypertension** 1984 May-Jun; 6(3):352-9

Three red cell sodium transport systems in hypertensive and normotensive Utah adults. Smith JB, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):159-66

Erythrocyte cation cotransport and countertransport in essential hypertension. Wiley JS, et al. **Hypertension** 1984 May-Jun;6(3):360-8

Hormones and electrolytes in premenstrual syndrome. Varma TR. **Int J Gynaecol Obstet** 1984 Feb;22(1):51-8

Relation between serum sodium concentration and the hemodynamic and clinical responses to converting enzyme inhibition with captopril in severe heart failure. Packer M, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1035-43

The influence of cytoplasmic sodium concentration on the stoichiometry of the sodium pump. Blostein R. **J Biol Chem** 1983 Oct 25;258(20):12228-32

Increase of Na+ gradient-dependent L-glutamate and L-aspartate transport in high K+ dog erythrocytes associated with high activity of (Na+, K+)-ATPase. Inaba M, et al. **J Biol Chem** 1984 Jan 10;259(1):312-7

Body sodium blood volume state in essential hypertension: abnormal relation of exchangeable sodium to age and blood pressure in male patients. Beretta-Piccoli C, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S134-42

Increased sodium-lithium countertransport in red cells of patients with Bartter's syndrome. Mattioli M, et al. **J Endocrinol Invest** 1984 Feb;7(1):61-3

Sodium and potassium transport in trout (Salmo gairdneri) erythrocytes. Bourne PK, et al. **J Physiol (Lond)** 1984 Feb; 347:361-75

The effect of furosemide on sodium movements in human red blood cells. Brand SC, et al. **J Physiol (Lond)** 1984 Mar;348:301-6

The effect of intracellular calcium on the sodium pump of human red cells. Brown AM, et al. **J Physiol (Lond)** 1983 Oct;343:455-93

Sodium and potassium transport in ferret red cells. Flatman PW. **J Physiol (Lond)** 1983 Aug;341:545-57

Recovery of erythrocyte Li+/Na+ countertransport and choline transport from lithium therapy. Diamond JM, et al. **J Psychiatr Res** 1982-83;17(4):385-93

Cation transport of red blood cells from hypertensive patients in Japan. Kojima S, et al. **Jpn Heart J** 1983 Nov; 24(6):909-15

A simulation study on transcellular fluid shifts induced by hemodialysis. Kimura G, et al. **Kidney Int** 1983 Oct; 24(4):542-8

Obesity, hypertension and intracellular electrolytes. Baumgart P, et al. **Klin Wochenschr** 1983 Aug 15; 61(16):803-5

Hypertension in end-stage renal failure: role of sympathetic nervous system, sodium balance and renal pressor system. Zucchelli P, et al. **Life Support Syst** 1983 Apr-Jun; 1(2):101-11

Methodological assessment of assays for intracellular concentration and transmembrane fluxes of sodium and potassium in erythrocytes of man. Lijnen P, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):293-301

Sodium-lithium countertransport in red cells [letter] **N Engl J Med** 1983 Oct 20;309(16):987-9

Red-cell sodium-lithium countertransport in sons of normotensive and hypertensive parents: a follow-up study [letter] Woods JW, et al. **N Engl J Med** 1984 May 3; 310(18):1191

Red blood cell sodium transport and phosphate release in uremia [letter] Swaminathan R. **Nephron** 1984;37(2):142

Intracellular concentration and transmembrane fluxes of sodium and potassium in erythrocytes of normal male subjects. Effect of family history of hypertension and race. Lijnen P, et al. **Neth J Med** 1984;27(4):105-11

Use of intravenous fluids before cesarean section: effects on perinatal glucose, insulin, and sodium homeostasis. Grylack LJ, et al. **Obstet Gynecol** 1984 May;63(5):654-8

Comparative monovalent cation transport in neonatal and adult red blood cells. Muller-Soyano A, et al. **Pediatr Res** 1984 Aug;18(8):778-80

Intrinsic difference in erythrocyte membrane in spontaneously hypertensive rats characterized by Na+ and K+ fluxes. van de Ven CJ, et al. **Pflugers Arch** 1983 Sep; 399(1):74-8

Only solid red blood cell ghosts transport K+, and Na+ against concentration gradients: hollow intact ghosts with K+-Na+ activated ATPase do not. Ling GN, et al. **Physiol Chem Phys** 1983;15(4):311-7

The effects of lithium treatment on cation transport processes in erythrocytes of patients with affective illnesses. Rybakowski J, et al. **Pol J Pharmacol Pharm** 1983 May-Jun;35(3):209-15

Erythrocyte sodium-potassium co-transport in hypertension. de Zeeuw D, et al. **Proc Eur Dial Transplant Assoc** 1983; 20:507-13

Ouabain-insensitive net sodium influx in erythrocytes of normotensive and essential hypertensive humans. Birks RI, et al. **Proc R Soc Lond [Biol]** 1982 Aug 23;216(1202):53-69

The polymorphism of red cell Na and K transport in essential hypertension: findings, controversies, and perspectives. Canessa M. **Prog Clin Biol Res** 1984;159:293-315 (61 ref.)

Sodium ion requirements for serotonin transport and imipramine binding. Rudnick G, et al. **Psychopharmacol Bull** 1983;19(3):545-9

An X-ray microanalysis study of cation changes during development in erythropoietic cells. Kirk RG, et al. **Scan Electron Microsc** 1983;(Pt 2):793-800

Sodium fluxes during hemodialysis. Lauer A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:684-7

Acute and chronic studies of the relationship between sodium flux in hemodialysis and hemofiltration. Shaldon S, et al. **Trans Am Soc Artif Intern Organs** 1983;29:641-4

[Intracellular levels and transmembranous flow of sodium and potassium in red blood cells in normal subjects. Influence of race and family history in hypertension] Lijnen P, et al. **Acta Clin Belg** 1984;39(1):28-42 (Eng. Abstr.) **(Dut)**

[Demonstration of a sodium efflux stimulated by lithium in rat erythrocytes] Grichois ML, et al. **C R Seances Acad Sci [III]** 1983;296(15):735-7 (Eng. Abstr.) **(Fre)**

[Sodium and potassium concentrations in whole blood and the serum of pregnant females and newborn infants] Anastasiadis P, et al. **Zentralbl Gynakol** 1984;106(2):101-13 (Eng. Abstr.) **(Ger)**

[Sodium and potassium concentrations in the erythrocytes and plasma in children with congenital heart defects] Toldi Z, et al. **Orv Hetil** 1984 Mar 18;125(12):695-8 (Eng. Abstr.) **(Hun)**

[Possible correlation between intralymphocytic sodium and plasma aldosterone] Aguglia F, et al. **Clin Ter** 1983 Aug 31;106(4):267-70 (Eng. Abstr.) **(Ita)**

[Pathophysiology of hypertension. c. 3) Erythrocyte membrane transport] Kojima S, et al. **Nippon Rinsho** 1984 Feb;42(2):339-45 **(Jpn)**

[Sodium and potassium imbalance in the aged] Saruta T. **Nippon Rinsho** 1983 Oct;41(10):2306-12 **(Jpn)**

[Measurement of sodium and potassium in red blood cells. (VIII). Method of adjustment for plasma osmotic pressure (plasma Na concentration)] Kaya H, et al. **Rinsho Byori** 1983 Nov;31(11):1229-34 **(Jpn)**

[Decreased sodium influx in leaky red cell membranes in familial lecithin-cholesterol acyltransferase deficiency] Murayama N, et al. **Rinsho Ketsueki** 1983 Oct; 24(10):1342-8 (Eng. Abstr.) **(Jpn)**

[Sodium, potassium and adenosine triphosphate concentrations in the erythrocytes of children with acute leukemia and other hematologic diseases] Rokicka-Milewska R, et al. **Pediatr Pol** 1983 Jul; 58(7):585-90 (Eng. Abstr.) **(Pol)**

[Studies on the usefulness of calcium-potassium and sodium-potassium indicators for the detection of the toxic effect of cardiac glycosides] Drzewoski J, et al. **Pol Tyg Lek** 1983 May 9;38(19):591-3 (Eng. Abstr.) **(Pol)**

[Intra-erythrocytic sodium and plasma renin activity in primary arterial hypertension before and after furosemide therapy] Urbański K. **Pol Tyg Lek** 1983 Jul 4;38(27):843-7 (Eng. Abstr.) **(Pol)**

[Incorporation of Na,K-ATPase into human erythrocyte membranes using liposomes] Stel'makh LN, et al. **Biokhimiia** 1984 Mar;49(3):460-3 (Eng. Abstr.) **(Rus)**

[Reason for the discrepancy between blood plasma osmolality and its Na+ concentration during cold stress in rats] Monin IuG, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):35-7 (Eng. Abstr.) **(Rus)**

[Aldosterone, sodium and potassium concentrations in the blood of patients with myocardial infarction after acute hydrocortisone load] Iakobson MG, et al. **Kardiologiia** 1983 Sep;23(9):62-5 (Eng. Abstr.) **(Rus)**

[Aggregation, membrane potential and Na+ and Ca2+ in the thrombocytes of rats with spontaneous hypertension] Kravtsov GM, et al. **Kardiologiia** 1983 Dec;23(12):49-56 (Eng. Abstr.) **(Rus)**

[New indices of electrolyte metabolism in patients with obstructive jaundice] Dol'nikov NA, et al. **Vestn Khir** 1984 Apr;132(4):129-32 **(Rus)**

CEREBROSPINAL FLUID

Catecholamines, angiotensin II and sodium concentrations in cerebrospinal fluid in young men with borderline hypertension. Kawano Y, et al. **Clin Exp Hypertens [A]** 1984;6(6):1131-45

DEFICIENCY

Effects of blockade of brain angiotensin II receptors in conscious, sodium-deprived dogs. Brooks VL, et al. **Am J Physiol** 1983 Dec;245(6):R881-7

Effect of sodium deficiency on beta-melanocyte-stimulating hormone stimulation of aldosterone in isolated rat adrenal cells. Yamakado M, et al. **Endocrinology** 1983 Dec; 113(6):2168-72

Effects of captopril and enalapril on sodium excretion and blood pressure in sodium-deficient dogs. McCaa RE, et al. **Fed Proc** 1984 Apr;43(5):1336-41

Effects of sodium depletion on inactive and active renin from dog kidney and plasma. Kawamura M, et al. **Hypertension** 1984 May-Jun;6(3):391-6

Treatment of salt losing ileostomy diarrhoea with an oral glucose polymer electrolyte solution. Ward K, et al. **Ir J Med Sci** 1984 Feb;153(2):77-8

The inhibition of rat renin in sodium depleted and renal hypertensive rats. Comparison of purified antibodies or Fab fragments against mouse submaxillary renin with SQ 20881, and the effect on blood pressure homeostasis. Lykkegård S. **Scand J Urol Nephrol [Suppl]** 1984;79:17-22

DIAGNOSTIC USE

Dopamine modulates sodium-dependent aldosterone responses to angiotensin II in humans. Drake CR Jr, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I119-23

METABOLISM

The effect of potassium loading and sodium depletion on DOC induced hypertension in sheep. Mills EH, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):521-6

Adrenergic control of Na+-K+-homoeostasis. Clausen T. **Acta Med Scand [Suppl]** 1983;672:111-5 (40 ref.)

Changes in intraerythrocyte content and transmembrane fluxes of sodium during salt loading in subjects with and without family history of hypertension. Herlitz H, et al. **Acta Med Scand [Suppl]** 1983;677:69-72

Raised intracellular sodium does not cause myogenic contraction of resting rat 150-microns mesenteric resistance vessels. Mulvany MJ, et al. **Acta Med Scand [Suppl]** 1983; 677:60-3

Genetic influence on sympathetic nervous activity and cellular sodium/potassium regulation in borderline and mild hypertension. Nielsen JR, et al. **Acta Med Scand [Suppl]** 1983;686:41-8

Humoral factors involved in the regulation of sodium-fluid balance in normal man. I. Effect of dietary sodium chloride intake on renal prostaglandins, vasopressin and renin-angiotensin-aldosterone system. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(1):21-8

Sodium transport across isolated epithelial structures in vitro—Ledakrin in the liposomes as a moderator of the bioelectric activity of frog skin. Rakowski W, et al. **Acta Physiol Pol** 1983 Jan-Feb;34(1):127-37

Plasma renin activity and plasma aldosterone concentration in pregnant and lactating goats in different sodium states. Benlamlih S, et al. **Acta Physiol Scand** 1983 Jul; 118(3):263-70

Kinetics of the TTX sensitive Na+ current in the slowly adapting lobster stretch receptor neurone. Gestrelius S, et al. **Acta Physiol Scand** 1983 Jun;118(2):135-40

Effects of sodium fluxes and ouabain on brain-slice tryptophan transport. Korpi ER. **Acta Physiol Scand** 1983 May;118(1):51-5

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? I. Comparative studies on the uptake of sodium and biogenic amines by the weak cation (carboxyl) exchangers Amberlite IRC-50 and Sephadex C-50 and by biogenic (granule-enriched) materials in vitro. Uvnäs B, et al. **Acta Physiol Scand** 1983 Nov;119(3):225-34

The effects of cyclic nucleotides and eicosanoids on Na+ and K+ transport systems in human red cells and mouse macrophages. Diez J, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:621-30

Cyclic-GMP- and cyclic-AMP-induced intestinal ion secretion: analysis at the level of brush border membrane vesicles. van Dommelen FS, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:303-13

Sex and race differences in sodium-lithium countertransport and red cell sodium concentration. Trevisan M, et al. **Am J Epidemiol** 1984 Oct;120(4):537-41

Decreased sodium influx and abnormal red cell membrane lipids in a patient with familial plasma lecithin: cholesterol acyltransferase deficiency. Murayama N, et al. **Am J Hematol** 1984 Feb;16(2):129-37

Genetic analysis of sodium-lithium countertransport in 10 hypertension-prone kindreds. Dadone MM, et al. **Am J Med Genet** 1984 Mar;17(3):565-77

Pathogenesis of renal sodium handling in cirrhosis. A reappraisal. Epstein M. **Am J Nephrol** 1983 Nov-Dec; 3(6):297-309 (84 ref.)

Ritodrine hydrochloride infusion in pregnant baboons. II. Sodium and water compartment alterations. Hankins GD, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):254-9

Luminal and peritubular ionic substitutions and intracellular potential of the rabbit proximal convoluted tubule. Cardinal J, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F352-64

Anomalous potential difference responses to changes in sodium concentration in the antrum of frog stomach. Carrasquer G, et al. **Am J Physiol** 1983 Oct;245(4):G554-61

Bioenergetics of Na+ transport across frog skin: chemical and electrical measurements. Civan MM, et al. **Am J Physiol** 1983 Dec;245(6):F691-700

Comparison of calcium and sodium transport in early and late rat distal tubules: effect of amiloride. Costanzo LS. **Am J Physiol** 1984 Jun;246(6 Pt 2):F937-45

Sarcolemmal enzymes and Na+ -Ca2+ exchange in hypoxic, ischemic, and reperfused rat hearts. Daly MJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H237-43

Effect of pH on phosphate transport into intestinal

brush-border membrane vesicles. Danisi G, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G180–6

Ion and water transport by the flounder urinary bladder: salinity dependence. Demarest JR. **Am J Physiol** 1984 Apr; 246(4 Pt 2):F395–401

Passive and active ion transport by the urinary bladder of a euryhaline flounder. Demarest JR, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F402–8

Dantrolene and basal ileal sodium and chloride transport: involvement of calcium stores. Donowitz M, et al. **Am J Physiol** 1983 Dec;245(6):G780–5

Stimulation of Na+–K+ pump in sheep red blood cells by heteroimmune anti-sheep red cell antibodies. Dunham PB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C120–3

Splanchnic and renal contributions to circulatory homeostasis in sodium depletion. Echtenkamp SF, et al. **Am J Physiol** 1983 Oct;245(4):H573–9

Corticosteroid alteration of active electrolyte transport in rat distal colon. Foster ES, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):G668–75

Amiloride-sensitive Na+–H+ exchange in platelets and leukocytes: detection by electronic cell sizing. Grinstein S, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C293–8

Interactions between gluconeogenesis and sodium transport in rabbit proximal tubule. Gullans SR, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F859–69

Mechanisms of escape from sodium retention during angiotensin II hypertension. Hall JE, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F627–34

Area postrema and adjacent nucleus of the solitary tract in water and sodium balance. Hyde TM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R173–82

Sodium–sugar coupling stoichiometry in chick intestinal cells. Kimmich GA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C74–82

Modification of carboxyl of Na+ channel inhibits aldosterone action on Na+ transport. Kipnowski J, et al. **Am J Physiol** 1983 Dec;245(6):F726–34

Sodium and chloride transport across rabbit ileal brush border. I. Evidence for Na–H exchange. Knickelbein R, et al. **Am J Physiol** 1983 Oct;245(4):G504–10

Cytosolic Ca2+ and Na+ activities in perfused proximal tubules of Necturus kidney. Lorenzen M, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F93–102

Tetrodotoxin-sensitive Na+ channels in isolated single cultured rat myocardial cells. Matsuki N, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C381–7

Ouabain effect on myocardial mechanical function and sodium pump in the fetus. Nakanishi T, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H213–21

A transcellular route for Na-coupled Cl transport in secreting pancreatic acinar cells. O'Doherty J, et al. **Am J Physiol** 1983 Oct;245(4):G499–503

Characterization of apical cell membrane Na+ and K+ conductances of cortical collecting duct using microelectrode techniques. O'Neil RG, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F14–24

Dual action of aldosterone on toad bladder: Na+ permeability and Na+ pump modulation. Park CS, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F517–25

Role of carboxyl group in Na+-entry step at apical membrane of toad urinary bladder. Park CS, et al. **Am J Physiol** 1983 Dec;245(6):F707–15

Functional groups of the Na+ channel: role of carboxyl and histidyl groups. Park CS, et al. **Am J Physiol** 1983 Dec; 245(6):F716–25

Esophageal desalination of seawater in flounder: role of active sodium transport. Parmelee JT, et al. **Am J Physiol** 1983 Dec;245(6):R888–93

Differing effects of cGMP and cAMP on ion transport across flounder intestine. Rao MC, et al. **Am J Physiol** 1984 Jan; 246(1 Pt 1):C167–71

Saline acclimation and water and sodium transport across avian small intestine. Roberts JR, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R246–9

Alterations in hepatic Na+–K+ transport during endotoxemia in rats. Sayeed MM. **Am J Physiol** 1984 Sep; 247(3 Pt 2):R465–74

Na+ gradient-dependent Pi uptake in basolateral membrane vesicles from dog kidney. Schwab SJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F663–9

Rabbit proximal colon: a distinct transport epithelium. Sellin JH, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G603–10

Amiloride and diltiazem inhibition of microsomal and mitochondrial Na+ and Ca2+ transport. Sordahl LA, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C172–6

Release of 86Rb from rat submandibular gland slices: relation to sodium pump activity. Stewart DJ, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G484–91

Cellular K+ permeation across the cortical collecting tubule: effects of Na+–K+ pump inhibition and membrane depolarization. Stokes JB. **Am J Physiol** 1984 Apr;246(4 Pt 2):F467–75

Na+ and K+ cell concentrations in collagenase-treated rat kidney tubules incubated at various temperatures. Sudo J, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C407–14

Sodium balance and aldosterone during dehydration and rehydration in the dog. Thrasher TN, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R76–83

Proximal tubular Na, Cl, and HCO3 reabsorption and renal oxygen consumption. Weinstein SW, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F151–7

Effects of 'loop' diuretics on ion transport by dog tracheal epithelium. Widdicombe JH, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):C388–96

Renal interstitial pressure and sodium excretion during hilar lymphatic ligation. Wilcox CS, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F344–51

Sodium depletion induces adrenergic potentiation at prejunctional site. Wong PC, et al. **Am J Physiol** 1983 Oct; 245(4):H662–6

Distribution of sodium in cellular and luminal compartments of turtle thyroid glands. Yen-Chow YC, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E436–43

Antiarrhythmic agents: the modulated receptor mechanism of action of sodium and calcium channel-blocking drugs. Hondeghem LM, et al. **Annu Rev Pharmacol Toxicol** 1984; 24:387–423 (278 ref.)

Voltage-regulated sodium channel molecules. Agnew WS. **Annu Rev Physiol** 1984;46:517–30 (75 ref.)

Fluctuation analysis of sodium channels in epithelia. Lindemann B. **Annu Rev Physiol** 1984;46:497–515 (118 ref.)

A cellular model for active sodium absorption by mammalian colon. Schultz SG. **Annu Rev Physiol** 1984;46:435–51 (73 ref.)

Energetics of sodium efflux from Escherichia coli. Borbolla MG, et al. **Arch Biochem Biophys** 1984 Feb 15; 229(1):98–103

Uncoupler-stimulated Na+ pump and its possible role in the halotolerant bacterium, Ba. Ken-Dror S, et al. **Arch Biochem Biophys** 1984 Mar;229(2):640–9

Phencyclidine inhibition of the acetylcholine receptor: measurement of cation flux in a sympathetic neuronal cell line using 22Na+ and spectroscopic detection of Cs+. Sachs AB, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):500–4

Hyponatraemia in the first week of life in preterm infants. Part II. Sodium and water balance. Rees L, et al. **Arch Dis Child** 1984 May;59(5):423–9

Effect of parathyroidectomy on Sodium metabolism in DOCA–NaCl treated and spontaneously hypertensive rats. Pernot F, et al. **Arch Int Pharmacodyn Ther** 1983 Jul; 264(1):110–7

Sodium–calcium exchange in Purkinje fibers: electrical and mechanical effects. Li T, et al. **Basic Res Cardiol** 1983 Jul–Aug;78(4):396–414

Na+/H+ exchange in the cyanobacterium Synechococcus 6311. Blumwald E, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):452–9

Photoaffinity labeling of alpha- and beta- scorpion toxin receptors associated with rat brain sodium channel. Darbon H, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):415–22

Characteristics of sodium transport in pig (Sus scrofa) erythrocytes. Whittaker J, et al. **Biochem Med** 1983 Aug; 30(1):43–8

2-Mercapto-1-(beta-4-pyridethyl) benzimidazole inhibition of basal and aldosterone-stimulated sodium transport but prolongation of the transient theophylline-induced stimulation in the toad bladder. Lahav M. **Biochem Pharmacol** 1983 Nov 15;32(22):3271–8

Nature of Na+-independent stimulation of renal transport of p-aminohippurate by exogenous metabolites. Sheikh MI, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2745–9

Characterization of (Na+ + K+)-ATPase liposomes. I. Effect of enzyme concentration and modification on liposome size, intramembrane particle formation and Na+,K+-transport. Anner BM, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):253–61

Characterization of (Na+ + K+)-ATPase liposomes. II. Effect of alpha-subunit digestion on intramembrane particle formation and Na+,K+-transport. Anner BM, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):262–70

Acetyl phosphate can act as a substrate for Na+ transport by (Na+ + K+)-ATPase. Beaugé L, et al. **Biochim Biophys Acta** 1984 May 30;772(3):411–4

Characteristics of glutamic acid transport by rabbit intestinal brush-border membrane vesicles. Effects of Na+-, K+- and H+-gradients. Berteloot A. **Biochim Biophys Acta** 1984 Aug 22;775(2):129–40

Sodium-dependent transport of phosphate in LLC-PK1 cells. Biber J, et al. **Biochim Biophys Acta** 1983 Nov 23; 735(3):325–30

Sodium-dependent uptake of taurine in encapsulated Staphylococcus aureus strain M. Bieber EJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):127–35

Sodium-dependent phosphate transport by apical membrane vesicles from a cultured renal epithelial cell line (LLC-PK1). Brown CD, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):471–8

Insulin action on cardiac glucose transport. Studies on the role of the Na+/K+ pump. Eckel J, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):119–24

Sensitivity of Na+-coupled D-glucose uptake, Mg2+-ATPase and sucrase to perturbations of the fluidity of brush-border membrane vesicles induced by n-aliphatic alcohols. Fernandez YJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):171–7

The static head method for determining the charge stoichiometry of coupled transport systems. Applications to the sodium-coupled D-glucose transporters of the renal proximal tubule. Fukuhara Y, et al. **Biochim Biophys Acta** 1984 Feb 29;770(1):73–8

Feedback inhibition of sodium uptake in K+-depolarized toad urinary bladders. Garty H, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):89–98

Computational analysis of models for cotransport. Harrison DA, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):1–10

Glucose inhibits 45Ca efflux from pancreatic beta-cells also in the absence of Na+–Ca2+ countertransport. Hellman B, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):136–41

Asymmetry of the Na+-succinate cotransporter in rabbit renal brush-border membranes. Hirayama B, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):17–21

The effect of papain upon proline and sodium transport of rat renal brush-border membrane vesicles. Hsu BY, et al. **Biochim Biophys Acta** 1983 Oct 26;735(1):40–52

Kinetic parameters and mechanism of active cation transport in HeLa cells as studied by Rb+ influx. Ikehara T, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):297–307

Enzyme activities and sodium-dependent active D-glucose transport in apical membrane vesicles isolated from kidney epithelial cell line (LLC-PK1). Inui K, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):514–8

Na+ and K+ transport in Nitrosomonas europaea and Nitrobacter agilis. Kumar S, et al. **Biochim Biophys Acta** 1984 Jun 26;765(3):268–74

The effect of lipid intermediates on Ca2+ and Na+ permeability and (Na+ + K+)-ATPase of cardiac sarcolemma. A possible role in myocardial ischemia. Lamers JM, et al. **Biochim Biophys Acta** 1984 Jul 11; 774(1):127–37

Sensitivity of renal brush-border Na+-cotransport systems to anions. Levine R, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):508–10

Isolation of the sodium-dependent d-glucose transport protein from brush-border membranes. Malathi P, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):314–24

A study on the potential-dependence of proton block of sodium channels. Mozhayeva GN, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):435–40

Sodium and potassium binding to parvalbumins measured by means of intrinsic protein fluorescence. Permyakov EA, et al. **Biochim Biophys Acta** 1983 Dec 12;749(2):185–91

Na+–Ca2+ exchange in the axolemma-rich membrane vesicle preparations from the walking-leg nerves of the American lobster. Peterson AA, et al. **Biochim Biophys Acta** 1984 Mar 28;771(1):53–8

Effect of the preparation method on Na+–H+ exchange and ion permeabilities in rat renal brush-border membranes. Sabolić I, et al. **Biochim Biophys Acta** 1984 May 16; 772(2):140–8

Hydrolysis of adenylyl imidodiphosphate in the presence of Na+ + Mg2+ by (Na+ + K+)-activated ATPase. Schuurmans Stekhoven FM, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):73–8

Effect of external ammonium on the kinetics of the sodium current in frog muscle. Suput D. **Biochim Biophys Acta** 1984 Mar 28;771(1):1–8

Sodium channels in vertebrate hearts. Three types of saxitoxin binding sites in heart. Tanaka JC, et al. **Biochim Biophys Acta** 1984 Aug 22;775(2):203–14

Microwave bioeffects in the erythrocyte are temperature and pO2 dependent: cation permeability and protein shedding occur at the membrane phase transition. Liburdy RP, et al. **Bioelectromagnetics** 1984;5(2):283–91

The renin-aldosterone system and electrolyte balance during tocolytic therapy. Di Renzo GC, et al. **Biol Res Pregnancy Perinatol** 1983;4(3):127–9

Fluctuation and linear analysis of Na-current kinetics in squid axon. Fishman HM, et al. **Biophys J** 1983 Sep;43(3):293–307

Rapid sodium channel conductance changes during voltage clamp steps in squid giant axons. Fohlmeister JF, et al. **Biophys J** 1984 Mar;45(3):513–21

Statistical analysis of single sodium channels. Effects of N-bromoacetamide. Horn R, et al. **Biophys J** 1984 Jan; 45(1):323–35

Gating kinetics of batrachotoxin-modified sodium channels in neuroblastoma cells determined from single-channel measurements. Huang LY, et al. **Biophys J** 1984 Jan; 45(1):313–22

Mechanisms of use-dependent block of sodium channels in excitable membranes by local anesthetics. Starmer CF, et al. **Biophys J** 1984 Jul;46(1):15–27

Modification of sodium channel inactivation in single myelinated nerve fibers by methionine-reactive chemicals. Wang GK. **Biophys J** 1984 Jul;46(1):121–4

Voltage-dependent calcium block of normal and tetramethrin-modified single sodium channels. Yamamoto D, et al. **Biophys J** 1984 Jan;45(1):337–44

Structure of ascorbic acid and its biological function. VI. Its importance for the Na+/K+-transport. Lohmann W. **Biophys Struct Mech** 1984;10(4):205–10

Sodium-potassium pump sites, as assessed by [3H]-ouabain binding, in aorta and caudal artery of normotensive and spontaneously hypertensive rats. Wong SK, et al. **Blood Vessels** 1984;21(5):211–22

Interaction of aminoglycoside antibiotics with artificial and biological membrane. Correlation with their toxicity. Gallucci E, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:195–9

Fluid and electrolyte disorders. Sodium. Barton IK, et al. **Br J Hosp Med** 1984 Jul;32(1):15–8

Stimulation of a sodium influx by cAMP in Helix neurons. Aldenhoff JB, et al. **Brain Res** 1983 Oct 16;276(2):289–96

The spindle potential in the frog muscle spindle does not

require external Na+. Ito F, et al. **Brain Res** 1983 Oct 31;277(2):352–4
Sodium channels in the axolemma of unmyelinated axons: a new estimate. Pellegrino RG, et al. **Brain Res** 1984 Jul 9;305(2):357–60
Identification of an amiloride sensitive Na+/H+ exchange system in brain synaptosomes. Sauvaigo S, et al. **Brain Res** 1984 Jun 3;301(2):371–4
Control of the Na+,K+-pump by nerve growth factor is essential to neuronal survival. Skaper SD, et al. **Brain Res** 1983 Jul 25;271(2):263–71
Modification of single sodium channels by the insecticide tetramethrin. Yamamoto D, et al. **Brain Res** 1983 Sep 12; 274(2):344–9
Interference of aluminum and pH on the Na-influx in an aquatic insect Corixa punctata (Illig.). Witters H, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):575–9
Molecular mechanism of sodium conductance changes in nerve: the role of electron transfer and energy migration. Lee CY. **Bull Math Biol** 1983;45(5):759–80
Evidence for functional sodium and calcium ion channels in the membrane of cultured cardiomyocytes of the adult rat. Jacobson SL, et al. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1312–6
The slowly exchanging pool of sodium in frog skeletal muscle is confined within a membranous organelle. Menard MR. **Can J Physiol Pharmacol** 1984 Jan;62(1):49–52
Analysis of K+ and Na+ transport and intracellular contents during and after heat shock and their role in protein synthesis in rat hepatoma cells. Boonstra J, et al. **Cancer Res** 1984 Mar;44(3):955–60
Depressant effects of fast sodium channel blockade on the electrical activity of ischaemic canine ventricle: mediation by the sympathetic nervous system. Gilmour RF Jr, et al. **Cardiovasc Res** 1984 Jul;18(7):405–13
Adaptation of the cardiac muscle sodium pump to chronic potassium deficiency. Ward JP, et al. **Cardiovasc Res** 1984 May;18(5):257–63
Changes of alanine–sodium co–transport during maturation of Xenopus laevis oocytes. Jung D, et al. **Cell Biol Int Rep** 1983 Sep;7(9):697–707
Initiation of cultured rat hepatocyte proliferation does not involve Na+–dependent plasma membrane Ca2+ fluxes. Koch KS, et al. **Cell Biol Int Rep** 1984 Apr;8(4):309–16
Calcium/sodium exchange in purified secretory vesicles from bovine neurohypophyses. Saermark T, et al. **Cell Calcium** 1983 Jul;4(3):151–70
Effect of methuenine on the fast inward sodium current in frog atrial fibres. Sauviat MP. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):92–7
Maximal upstroke velocity as an index of available sodium conductance. Comparison of maximal upstroke velocity and voltage clamp measurements of sodium current in rabbit Purkinje fibers. Cohen CJ, et al. **Circ Res** 1984 Jun; 54(6):636–51
Active transport and inotropic state in guinea pig left atrium [letter] Eisner DA, et al. **Circ Res** 1983 Dec;53(6):834–6
Unitary sodium channels in isolated cardiac myocytes of rabbit. Grant AO, et al. **Circ Res** 1983 Dec;53(6):823–9
Electron probe analysis of sodium and other elements in hypertrophied and sodium–loaded smooth muscle. Junker JL, et al. **Circ Res** 1984 Mar;54(3):254–66
Effects of tonicity on tension and intracellular sodium and calcium activities in sheep heart. Lado MG, et al. **Circ Res** 1984 May;54(5):576–85
Metabolic and mechanical properties of aortas from aldosterone–salt hypertensive rats. McMahon EG, et al. **Circ Res** 1984 Sep;55(3):349–57
Origin of the background sodium current and effects of sodium removal in cultured embryonic cardiac cells. Mead RH, et al. **Circ Res** 1984 Jul;55(1):67–77
Intracellular sodium, membrane potential, and contractility of rat mesenteric small arteries. Mulvany MJ, et al. **Circ Res** 1984 Jun;54(6):740–9
Calcium, sodium, and the calcium paradox. Nayler WG, et al. **Circ Res** 1984 Aug;55(2):227–37
Sodium intake and exchangeable sodium in hypertensive rats. Harrap SJ, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):427–40
Ion transport characteristics in rhesus monkey erythrocytes: relationship to age and blood pressure. Hennessy JF, et al. **Clin Exp Hypertens [A]** 1984;6(5):961–78
Cerebral mechanisms influencing renal sodium excretion in dehydrated sheep. McKinley MJ, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):521–6
The effects of magnesium on ion transport in short–circuited rabbit terminal ileum. Booth IW, et al. **Clin Sci** 1984 Apr; 66(4):465–71
Effect of intraluminal hydrocortisone on solute and water absorption in the human jejunum. Crake T, et al. **Clin Sci** 1984 Jul;67(1):105–10
Exchangeable sodium in Goldblatt one–kidney one–clip hypertension in the rat. McAreavey D, et al. **Clin Sci** 1984 May;66(5):545–9
The voltage–regulated sodium channel from the electroplax of Electrophorus electricus. Agnew WS, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:165–79
Inactivation of open and closed sodium channels determined separately. Aldrich RW, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:147–53
Immunochemical studies of the voltage–sensitive sodium channel from the electroplax of the eel Electrophorus electricus. Fritz LC, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:181–5
Structure and functional reconstitution of the voltage–sensitive sodium channel from rat brain. Talvenheimo JA, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:155–64
Some aspects of sodium efflux from single barnacle muscle fibres. Bittar EE. **Comp Biochem Physiol [A]** 1983; 76(4):763–71 (63 ref.)
The nature of the increased sensitivity to injected GTP of the sodium efflux in barnacle muscle fibers pre–exposed to aldosterone. Bittar EE, et al. **Comp Biochem Physiol [A]** 1984;77(1):117–25
Cell composition as assessed from osmolality and concentrations of sodium, potassium and chloride: total contributions of other substances to osmolality and charge balance. Burton RF. **Comp Biochem Physiol [A]** 1983; 76(1):161–5
Seasonal changes in sodium transport and amiloride sensitivity in the isolated intestine of the earthworm, Lumbricus terrestris (L.). Cornell JC. **Comp Biochem Physiol [A]** 1984;78(3):463–8
Concentrations and activity coefficients of Na+, K+ and Cl– in Aplysia californica enterocytes. Gerencser GA. **Comp Biochem Physiol [A]** 1984;77(4):717–20
Na+–gradient dependence of basic amino acid transport into rat intestinal brush border membrane vesicles. Wolfram S, et al. **Comp Biochem Physiol [A]** 1984;78(3):475–80
Some observations on the behaviour of the sodium efflux in barnacle muscle fibres towards lithium ions. Bittar EE, et al. **Comp Biochem Physiol [B]** 1983;76(4):921–5
Sensitivity to injected cholera toxin of the sodium efflux in single barnacle muscle fibers. Bittar EE, et al. **Comp Biochem Physiol [C]** 1984;78(1):89–98
Effect of silver on sodium transport across toad skin. Gerencser GA, et al. **Comp Biochem Physiol [C]** 1983; 75(2):337–41
Mouse brain synaptosomal sodium channels: activation by aconitine, batrachotoxin, and veratridine, and inhibition by tetrodotoxin. Ghiasuddin SM, et al. **Comp Biochem Physiol [C]** 1984;77(2):267–71
Modification of sodium transport in freshwater mussels by prostaglandins, cyclic AMP and 5–hydroxytryptamine: effects of inhibitors of prostaglandin synthesis. Saintsing DG, et al. **Comp Biochem Physiol [C]** 1983;76(2):285–90
Studies on the effect of the pyrethroid insecticide Decamethrin on ionic transport through the in vitro skin of Rana esculenta. Salibián A. **Comp Biochem Physiol [C]** 1983;76(1):157–62
Developmental change of a depolarization–induced sodium permeability in the oocyte of Xenopus laevis. Baud C. **Dev Biol** 1983 Oct;99(2):524–8
Fertilization acid release in Urechis eggs. II. The stoichiometry of Na+ uptake and H+ release. Gould M, et al. **Dev Biol** 1984 Aug;104(2):329–35
Mechanisms regulating intracellular pH in sea urchin eggs. Payan P, et al. **Dev Biol** 1983 Nov;100(1):29–38
Water, potassium, and sodium during amphibian oocyte development. Tluczek L, et al. **Dev Biol** 1984 Jul; 104(1):97–105
Insulin regulation of Na/K pump activity in rat hepatoma cells. Gelehrter TD, et al. **Diabetes** 1984 May;33(5):428–34
Parenterally administered salivary tissue extracts reduce outputs of Na+ and K+ associated with bile salt–induced damage of rat oxyntic mucosa. Tepperman BL, et al. **Dig Dis Sci** 1984 Jan;29(1):56–64
Electrophysiological characterization, solubilization and purification of the Tityus gamma toxin receptor associated with the gating component of the Na+ channel from rat brain. Barhanin J, et al. **EMBO J** 1983;2(6):915–20
Hypokalemia and sodium retention in patients with diabetes and chronic hepatitis receiving insulin and glycyrrhizin. Fujiwara Y, et al. **Endocrinol Jpn** 1983 Apr;30(2):243–9
Insulin and aldosterone interaction on NA+ and K+ transport in cultured kidney cells (A6). Fidelman ML, et al. **Endocrinology** 1984 Sep;115(3):1171–8
Alteration of transmembrane sodium and potassium gradients inhibits the action of luteinizing hormone in the luteal cell. Gore SD, et al. **Endocrinology** 1984 Jun;114(6):2020–31
Role of Na+–Ca2+ exchange in the development of cardiac abnormalities due to calcium paradox. Dhalla NS, et al. **Eur Heart J** 1983 Dec;4 Suppl H:51–6
Diminished Na+/K+ and Ca2+ pump activities in the Ca2+ depleted heart: possible role in the development of Ca2+ overload during the Ca2+ paradox. Lamers JM, et al. **Eur Heart J** 1983 Dec;4 Suppl H:73–9
Potassium–39 and sodium–23 NMR studies of cation binding to phosvitin. Braunlin WH, et al. **Eur J Biochem** 1984 Jul 2;142(1):139–44
Purification, characterisation and reconstitution of glutaconyl–CoA decarboxylase, a biotin–dependent sodium pump from anaerobic bacteria. Buckel W, et al. **Eur J Biochem** 1983 Nov 2;136(2):427–34
Reconstitution of Na+ transport from purified methylmalonyl–CoA decarboxylase and phospholipid vesicles. Hilpert W, et al. **Eur J Biochem** 1984 Feb 1; 138(3):579–83
Characterization, solubilization, affinity labeling and purification of the cardiac Na+ channel using Tityus toxin gamma. Lombet A, et al. **Eur J Biochem** 1984 Jun 15; 141(3):651–60
Molecular properties of the apamin–binding component of the Ca2+–dependent K+ channel. Radiation–inactivation, affinity labelling and solubilization. Schmid–Antomarchi H, et al. **Eur J Biochem** 1984 Jul 2;142(1):1–6
Calcium antagonistic drugs differ in ability to block the slow Na+ channels of young embryonic chick hearts. Kojima M, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):9–18
Significance of the sodium pump for airway smooth muscle. Souhrada JF, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):196–205
The effect of ascorbic acid on malonaldehyde formation, K+, Na+ and water content of brain slices. Kovachich GB, et al. **Exp Brain Res** 1983;50(1):62–8
A model for transepithelial ion transport across the isolated retinal pigment epithelium of the frog. DiMattio J, et al. **Exp Eye Res** 1983 Nov;37(5):409–20
Effect of nigericin on distribution of sodium, potassium and calcium ion in rabbit lens. Horiuchi M, et al. **Exp Eye Res** 1983 Nov;37(5):439–45
Volume regulation in rat lenses in media with varying concentrations of potassium and sodium. Patterson JW. **Exp Eye Res** 1983 Aug;37(2):105–17
Effect of cardiotoxic concentrations of catecholamines on Na+–Ca2+ exchange in cardiac sarcolemmal vesicles. Mallov S. **Exp Mol Pathol** 1984 Apr;40(2):206–13
Trichinella spiralis: rapid, immunologically influenced reduction of intestinal, sodium–coupled sugar transport in the rat. Bullick GR, et al. **Exp Parasitol** 1984 Feb; 57(1):104–9
Can blocking the Na/K exchange pump lead to a reduction in intracellular sodium? Cohen IS. **Experientia** 1983 Nov 15;39(11):1280–2
K–p–nitrophenylphosphatase activity, Na and K content, Na permeability and membrane lipid composition in rabbit myocardium after cholesterol rich diet. Kutscherskij E, et al. **Experientia** 1984 Aug 15;40(8):812–5
Public health/clinical significance of inorganic chemical elements. Abdulla M. **Experientia [Suppl]** 1983;44:339–55
A hypothesis for the mechanism of sodium channel opening by batrachotoxin and related toxins. Kosower EM. **FEBS Lett** 1983 Nov 14;163(2):161–4 (30 ref.)
Comparative changes of levels of nitrendipine Ca2+ channels, of tetrodotoxin–sensitive Na+ channels and of ouabain–sensitive (Na+ + K+)–ATPase following denervation of rat and chick skeletal muscle. Schmid A, et al. **FEBS Lett** 1984 Jun 25;172(1):114–8
Isolation of (a subunit of) the Na+/D–glucose cotransporter(s) of rabbit intestinal brush border membranes using monoclonal antibodies. Schmidt UM, et al. **FEBS Lett** 1983 Sep 19;161(2):279–83
Correlation between cAMP in isolated frog skin epithelium and stimulation of sodium transport and osmotic water flow by antidiuretic hormone and phosphodiesterase inhibitors. Johnsen AH, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):144–53
Blockade of sodium and potassium channels in the node of Ranvier by ajmaline and N–propyl ajmaline. Khodorov BI, et al. **Gen Physiol Biophys** 1983 Aug;2(4):233–68
Selectivity of sodium channels in denervated tonic muscle fibre membrane of the frog. Zacharová D, et al. **Gen Physiol Biophys** 1983 Dec;2(6):425–35
Adrenergic regulation of sodium and chloride transport in the isolated cornea of rabbit and man. Wiederholt M, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(5):240–4
Quantitative localization of Na–K pump site in frog inner ear dark cells. Burnham JA, et al. **Hear Res** 1984 Mar; 13(3):261–8
Sodium transport and hypertension. Where are we going? Blaustein MP. **Hypertension** 1984 Jul–Aug;6(4):445–53
Rat thymocyte sodium transport. Effects of changes in sodium balance and experimental hypertension. Bradlaugh R, et al. **Hypertension** 1984 Jul–Aug;6(4):454–9
Effect of changes in sodium or potassium balance, and nephrectomy, on adrenal renin and aldosterone concentrations. Doi Y, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 2):I124–9
Sodium and potassium ion transport accelerations in erythrocytes of DOC, DOC–salt, two–kidney, one clip, and spontaneously hypertensive rats. Role of hypokalemia and cell volume. Duhm J, et al. **Hypertension** 1983 Sep–Oct;5(5):642–52
Additive effects of aldosterone with vasopressin or angiotensin. Friedman SM. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):242–8
Abnormalities of membrane transport in hypertension. Haddy FJ. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V66–72 (54 ref.)
Role of renal hemodynamics and arterial pressure in aldosterone 'escape'. Hall JE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I183–92
Functional evidence for increased sodium permeability in aortas from DOCA hypertensive rats. Moreland RS, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I88–94
Erythrocyte Na+,K+ cotransport and Na+,K+ pump in black and caucasian hypertensive patients. Tuck ML, et al. **Hypertension** 1984 Jul–Aug;6(4):536–44
Temperature dependence of ionic transport and norepinephrine stimulation of rat aorta during DOCA hypertension. Warden DH, et al. **Hypertension** 1984 Jul–Aug;6(4):460–7
Hypernatremia in the very low birthweight infant. Harkavy KL, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):75–8
Characteristics of sodium transport by excised rabbit trachea. Boucher RC, et al. **J Appl Physiol** 1983 Dec;55(6):1877–83
Bioelectric properties and ion transport of airways excised

from adult and fetal sheep. Cotton CU, et al. **J Appl Physiol** 1983 Nov;55(5):1542–9

Bioelectric properties and ion transport of excised rabbit trachea. Jarnigan F, et al. **J Appl Physiol** 1983 Dec; 55(6):1884–92

Bioelectric properties and ion flow across excised human bronchi. Knowles M, et al. **J Appl Physiol** 1984 Apr; 56(4):868–77

Effects of amphotericin B on ion and fluid movement across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Oct;55(4):1257–61

Effect of vasoactive intestinal peptide on ion transport across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Dec;55(6):1844–8

Antigen stimulates glycoprotein secretion and alters ion fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1983 Nov;55(5):1593–602

Characterization of the Na+/H+ antiporter of alkalophilic bacilli in vivo: delta psi-dependent 22Na+ efflux from whole cells. Garcia ML, et al. **J Bacteriol** 1983 Dec; 156(3):1151–7

Growth of a marine Vibrio alginolyticus and moderately halophilic V. costicola becomes uncoupler resistant when the respiration-dependent Na+ pump functions. Tokuda H, et al. **J Bacteriol** 1983 Nov;156(2):636–43

Fluorescence resonance energy transfer on the voltage-dependent sodium channel. Spatial relationship and site coupling between the batrachotoxin and Leiurus quinquestriatus quinquestriatus alpha-scorpion toxin receptors. Angelides KJ, et al. **J Biol Chem** 1984 May 25; 259(10):6117–26

Mapping the molecular structure of the voltage-dependent sodium channel. Distances between the tetrodotoxin and Leiurus quinquestriatus quinquestriatus scorpion toxin receptors. Angelides KJ, et al. **J Biol Chem** 1983 Oct 10; 258(19):11958–67

Preparation and characterization of fluorescent scorpion toxins from Leiurus quinquestriatus quinquestriatus as probes of the sodium channel of excitable cells. Angelides KJ, et al. **J Biol Chem** 1983 Oct 10;258(19):11948–57

Glucocorticoid stimulation of sodium absorption in colon epithelia is mediated by corticosteroid IB receptor. Bastl CP, et al. **J Biol Chem** 1984 Jan 25;259(2):1186–95

Ciguatoxin is a novel type of Na+ channel toxin. Bidard JN, et al. **J Biol Chem** 1984 Jul 10;259(13):8353–7

Cyclic AMP-dependent phosphorylation of the alpha subunit of the sodium channel in synaptic nerve ending particles. Costa MR, et al. **J Biol Chem** 1984 Jul 10;259(13):8210–8

Structural mapping of the voltage-dependent sodium channel. Distance between the tetrodotoxin and Centruroides suffusus suffusus II beta-scorpion toxin receptors. Darbon H, et al. **J Biol Chem** 1984 May 25; 259(10):6074–84

Characterization of ascorbic acid transport by adrenomedullary chromaffin cells. Evidence for Na+-dependent co-transport. Diliberto EJ Jr, et al. **J Biol Chem** 1983 Nov 10;258(21):12886–94

The role of the Na+/H+ exchange system in cardiac cells in relation to the control of the internal Na+ concentration. A molecular basis for the antagonistic effect of ouabain and amiloride on the heart. Frelin C, et al. **J Biol Chem** 1984 Jul 25;259(14):8880–5

A simple and sensitive procedure for measuring isotope fluxes through ion-specific channels in heterogenous populations of membrane vesicles. Garty H, et al. **J Biol Chem** 1983 Nov 10;258(21):13094–9

The sodium channel from rat brain. Purification and subunit composition. Hartshorne RP, et al. **J Biol Chem** 1984 Feb 10;259(3):1667–75

Mechanisms of Ca2+ transport in plasma membrane vesicles prepared from cultured pituitary cells. I. Characterization of Na+/Ca2+ exchange activity. Kaczorowski GJ, et al. **J Biol Chem** 1984 Aug 10;259(15):9395–403

Two classes of ouabain receptors in chick ventricular cardiac cells and their relation to (Na+,K+)-ATPase inhibition, intracellular Na+ accumulation, Ca2+ influx, and cardiotonic effect. Kazazoglou T, et al. **J Biol Chem** 1983 Oct 25;258(20):12163–70

The mechanism of Na+-L-lactate cotransport by brush-border membrane vesicles from horse kidney. Analysis by isotopic exchange kinetics of a sequential model and stoichiometry. Mengual R, et al. **J Biol Chem** 1983 Dec 25;258(24):15071–8

Regulation of sodium-coupled glucose transport by glucose in a cultured epithelium. Moran A, et al. **J Biol Chem** 1983 Dec 25;258(24):15087–90

Inhibition of sodium-independent amino acid transport by dexamethasone in rat hepatoma cells. Nadziejko CE, et al. **J Biol Chem** 1984 Jan 10;259(1):394–8

Stimulation of Na+-Ca2+ exchange in cardiac sarcolemmal vesicles by phospholipase D. Philipson KD, et al. **J Biol Chem** 1984 Jan 10;259(1):16–9

The stoichiometry of the cardiac sodium-calcium exchange system. Reeves JP, et al. **J Biol Chem** 1984 Jun 25; 259(12):7733–9

Aldosterone-stimulated sodium uptake by apical membrane vesicles from A6 cells. Sariban-Sohraby S, et al. **J Biol Chem** 1984 Sep 25;259(18):11221–5

The sodium channel from rat brain. Reconstitution of neurotoxin-activated ion flux and scorpion toxin binding from purified components. Tamkun MM, et al. **J Biol Chem** 1984 Feb 10;259(3):1676–88

Na+ is translocated at NADH:quinone oxidoreductase segment in the respiratory chain of Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1984 Jun 25;259(12):7785–90

(Na,K)-ATPase-mediated cation pumping in cultured rat hepatocytes. Rapid modulation by alanine and taurocholate transport and characterization of its relationship to intracellular sodium concentration. Van Dyke RW, et al. **J Biol Chem** 1983 Nov 10;258(21):12912–9

Evidence for a role of phospholipase activity in the serum stimulation of Na+ influx in human fibroblasts. Vicentini LM, et al. **J Biol Chem** 1984 Jun 10;259(11):6912–9

Sodium balance and peripheral resistance in arterial hypertension. Bianchi G, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S457–64 (45 ref.)

Exchangeable sodium in renal hypertension in the rat. Doyle AE. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S115–20

Relation of blood pressure and body sodium content during sodium depletion in normal and hypertensive subjects. Fraser R, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S107–14

The vascular Na+-K+ pump in low renin hypertension. Haddy FJ, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S61–74 (94 ref.)

The renin-angiotensin system and sodium homeostasis. Hollenberg NK. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S176–83 (77 ref.)

The sympathetic nervous system and renal sodium handling: is dopamine involved? Imbs JL, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S171–5 (33 ref.)

Intracellular sodium and calcium in vascular smooth muscle of spontaneously hypertensive rats. Losse H, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S32–4

Exchangeable sodium measured serially in DOC-salt, post-DOC-salt, and Goldblatt hypertension in the rat. McAreavey D, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S126–33

Cellular sodium concentration and vasoconstrictor state in hypertension. Poston L, et al. **J Cardiovasc Pharmacol** 1984; 6 Suppl 1:S16–20

Body sodium level in hypertensive and normotensive rats: effects of dietary sodium levels and sodium loads. Simpson FO, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S121–5

Cell membrane handling of sodium, sodium balance, and blood pressure. Swales JD, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S42–8

Molecular morphology of the tetrodotoxin-binding sodium channel protein from Electrophorus electricus in solubilized and reconstituted preparations. Ellisman MH, et al. **J Cell Biol** 1983 Dec;97(6):1834–40

Components of the plasma membrane of growing axons. III. Saxitoxin binding to sodium channels. Strichartz GR, et al. **J Cell Biol** 1984 Apr;98(4):1444–52

Serum stimulates Na entry and the Na-K pump in quiescent cultures of epithelial cells (MDCK). Reznik VM, et al. **J Cell Physiol** 1983 Nov;117(2):211–4

Cellular responses to external ATP which precede an increase in nucleotide permeability in transformed cells. Weisman GA, et al. **J Cell Physiol** 1984 May;119(2):211–9

Human platelet angiotensin II receptors: regulation by the circulating angiotensin level. Moore TJ, et al. **J Clin Endocrinol Metab** 1984 May;58(5):778–82

Energetics of sodium transport in the urinary bladder of the toad. Effect of aldosterone and sodium cyanide. Cortas N, et al. **J Clin Invest** 1984 Jan;73(1):46–52

Calcium and sodium transport and vitamin D metabolism in the spontaneously hypertensive rat. Schedl HP, et al. **J Clin Invest** 1984 Apr;73(4):980–6

Angiotensin II directly stimulates sodium transport in rabbit proximal convoluted tubules. Schuster VL, et al. **J Clin Invest** 1984 Feb;73(2):507–15

Influence of varied [Ca2+]0 and [Na+]0 on slow responses of newborn and adult rat hearts. Yamamoto T, et al. **J Electrocardiol** 1984 Jan;17(1):43–6

Sodium transport and the control of epiblast polarity in the early chick embryo. Stern CD, et al. **J Embryol Exp Morphol** 1983 Oct;77:73–98

Stimulation of sodium transport by toad skin incubated with natural derivatives of corticosterone and deoxycorticosterone. Beauwens R, et al. **J Endocrinol** 1983 Nov;99(2):293–300

Aldosterone effects on water and electrolyte metabolism. Kenyon CJ, et al. **J Endocrinol** 1984 Jan;100(1):93–100

Renal handling of phosphate, calcium, sodium, and potassium in intact and parathyroidectomized Rana pipiens. Sasayama Y, et al. **J Exp Zool** 1984 Feb;229(2):197–203

Properties of an endogenous steady current in rat muscle. Caldwell JH, et al. **J Gen Physiol** 1984 Feb;83(2):157–73

Current-dependent inactivation induced by sodium depletion in normal and batrachotoxin-treated frog node of Ranvier. Dubois JM, et al. **J Gen Physiol** 1984 Jul;84(1):25–48

Cytoplasmic pH regulation in thymic lymphocytes by an amiloride-sensitive Na+/H+ antiport. Grinstein S, et al. **J Gen Physiol** 1984 Mar;83(3):341–69

Activation of Na+/H+ exchange in lymphocytes by osmotically induced volume changes and by cytoplasmic acidification. Grinstein S, et al. **J Gen Physiol** 1983 Nov; 82(5):619–38

Simple shifts in the voltage dependence of sodium channel gating caused by divalent cations. Hahin R, et al. **J Gen Physiol** 1983 Dec;82(6):785–805

Hormonal control of apical membrane Na transport in epithelia. Studies with fluctuation analysis. Helman SI, et al. **J Gen Physiol** 1983 Aug;82(2):201–20

Theoretical effects of transmembrane electroneutral exchange on membrane potential. Jacob R, et al. **J Gen Physiol** 1984 Jan;83(1):47–56

Mechanism of epithelial lithium transport. Evidence for basolateral Na:Na and Na:Li exchange. Kirk KL, et al. **J Gen Physiol** 1983 Oct;82(4):497–510

Coupling ratio of the Na-K pump in the lobster cardiac ganglion. Livengood DR. **J Gen Physiol** 1983 Dec; 82(6):853–74

Analysis of sodium current fluctuations in the cut-open squid giant axon. Llano I, et al. **J Gen Physiol** 1984 Feb; 83(2):133–42

Na and Ca channels in a transformed line of anterior pituitary cells. Matteson DR, et al. **J Gen Physiol** 1984 Mar; 83(3):371–94

Cyclic AMP modulation of ion transport across frog retinal pigment epithelium. Measurements in the short-circuit state. Miller S, et al. **J Gen Physiol** 1984 Jun;83(6):853–74

Kinetics of Na-ATPase activity by the Na,K pump. Interactions of the phosphorylated intermediates with Na+, Tris+, and K+. Nørby JG, et al. **J Gen Physiol** 1983 Dec;82(6):725–59

The periaxonal space of crayfish giant axons. Shrager P, et al. **J Gen Physiol** 1983 Aug;82(2):221–44

Differential expression of sodium channel activities during the development of chick skeletal muscle cells in culture. Strichartz G, et al. **J Gen Physiol** 1983 Sep;82(3):365–84

The relationship among intracellular sodium activity, calcium, and strophanthidin inotropy in canine cardiac Purkinje fibers. Vassalle M, et al. **J Gen Physiol** 1984 Feb; 83(2):287–307

Na+-H+ exchange and Na+ entry across the apical membrane of Necturus gallbladder. Weinman SA, et al. **J Gen Physiol** 1984 Jan;83(1):57–74

Ca-induced K transport in human red blood cell ghosts containing arsenazo III. Transmembrane interactions of Na, K, and Ca and the relationship to the functioning Na-K pump. Yingst DR, et al. **J Gen Physiol** 1984 Jan;83(1):19–45

Na and K changes in animal virus-infected HeLa cells. Nair CN. **J Gen Virol** 1984 Jun;65 (Pt 6):1135–8

Effect of indomethacin on active and inactive renin in sodium-replete men at rest and during exercise. Lijnen P, et al. **J Lab Clin Med** 1984 May;103(5):677–83

Salt losing congenital adrenal hyperplasia. Churesigaew S. **J Med Assoc Thai** 1984 Jan;67(1):24–30

Serosal Na/Ca exchange and H+ and Na+ transport by the turtle and toad bladders. Arruda JA, et al. **J Membr Biol** 1982;70(2):135–46

Influx mechanisms for Na+ and Cl- across the brush border membrane of leaky epithelia: a model and microelectrode study. Baerentsen H, et al. **J Membr Biol** 1983;75(3):205–18

Effects of D-600 on sodium current in squid axons. Clay JR, et al. **J Membr Biol** 1984;79(3):211–4

Role of the furosemide-sensitive Na+/K+ transport system in determining the steady-state Na+ and K+ content and volume of human erythrocytes in vitro and in vivo. Duhm J, et al. **J Membr Biol** 1984;77(3):243–54

Effects of thyromimetic drugs on aldosterone-dependent sodium transport in the toad bladder. Geering K, et al. **J Membr Biol** 1984;77(1):15–23

Modification of ultraviolet radiation effects on the membrane of myelinated nerve fibers by sulfhydryl compounds. Hof D, et al. **J Membr Biol** 1984;79(1):1–6

Acid pH and weak acids induce Na—Cl cotransport in the rabbit urinary bladder. Ifshin MS, et al. **J Membr Biol** 1983; 76(2):151–64

Sodium-alanine cotransport in oocytes of Xenopus laevis: correlation of alanine and sodium fluxes with potential and current changes. Jung D, et al. **J Membr Biol** 1984; 78(1):29–34

Kinetics of sodium D-glucose cotransport in bovine intestinal brush border vesicles. Kaunitz JD, et al. **J Membr Biol** 1984;79(1).41–51

The small-intestinal Na+, D-glucose cotransporter: an asymmetric gated channel (or pore) responsive to delta psi. Kessler M, et al. **J Membr Biol** 1983;76(1):27–56 (83 ref.)

Chemical stimulation of Na transport through amiloride-blockable channels of frog skin epithelium. Li JH, et al. **J Membr Biol** 1983;75(3):179–92

Axonal microtubules necessary for generation of sodium current in squid giant axons: II. Effect of colchicine upon asymmetrical displacement current. Matsumoto G, et al. **J Membr Biol** 1984;77(2):93–9

Axonal microtubules necessary for generation of sodium current in squid giant axons: I. Pharmacological study on sodium current and restoration of sodium current by microtubule proteins and 260K protein. Matsumoto G, et al. **J Membr Biol** 1984;77(2):77–91

Transepithelial transport in cell culture: stoichiometry of Na/phlorizin binding and Na/D-glucose cotransport. A two-step, two sodium model of binding and translocation. Misfeldt DS, et al. **J Membr Biol** 1982;70(3):191–8

Intracellular electrolyte concentrations in the frog skin epithelium: effect of vasopressin and dependence on the Na concentration in the bathing media. Rick R, et al. **J Membr Biol** 1984;78(2):129–45

Sodium and potassium permeability of membrane vesicles in a sarcolemma-enriched preparation from canine ventricle. Schilling WP, et al. **J Membr Biol** 1984; 77(2):101–14

The influence of electrochemical gradients of Na+ and K+

upon the membrane binding and pore forming activity of the terminal complement proteins. Sims PJ, et al. **J Membr Biol** 1984;78(2):169–76

Kinetic properties of the ATP-dependent Ca2+ pump and the Na+/Ca2+ exchange system in basolateral membranes from rat kidney cortex. van Heeswijk MP, et al. **J Membr Biol** 1984;79(1):19–31

Requirement of Cl- and Na+ for the ouabain-resistant control of cell volume in slices of rat liver. van Rossum GD, et al. **J Membr Biol** 1984;77(1):63–76

Effect of extracellular pH on sodium current in isolated, single rat ventricular cells. Yatani A, et al. **J Membr Biol** 1984;78(2):163–8

Role of the Na+–Ca2+ exchange in the calcium paradox in frog auricular trabeculae. Bonvallet R, et al. **J Mol Cell Cardiol** 1984 Jul;16(7):623–31

Sodium current in freshly isolated and in cultured single rat myocardial cells: frequency and voltage-dependent block by mexiletine. Hering S, et al. **J Mol Cell Cardiol** 1983 Jul;15(7):431–44

Importance of sodium ions in the protective effects of high-potassium, high-glucose solution on electromechanical activities in the guinea-pig myocardium. Kinoshita K, et al. **J Mol Cell Cardiol** 1984 May; 16(5):405–19

The 'sodium pump lag' revisited. Langer GA. **J Mol Cell Cardiol** 1983 Oct;15(10):647–51 (32 ref.)

Effect of phenytoin on the sodium current in isolated rat ventricular cells. Sanchez-Chapula J, et al. **J Mol Cell Cardiol** 1983 Aug;15(8):515–22

Sodium transport from blood to brain: inhibition by furosemide and amiloride. Betz AL. **J Neurochem** 1983 Oct; 41(4):1158–64

Sodium transport in capillaries isolated from rat brain. Betz AL. **J Neurochem** 1983 Oct;41(4):1150–7

Activation of amiloride-sensitive sodium transport in C6 glioma cells. Sapirstein VS, et al. **J Neurochem** 1984 Oct; 43(4):1098–105

Phosphate derivatives of thiamine and Na+ channel in conducting membranes. Schoffeniels E, et al. **J Neurochem** 1984 Jul;43(1):269–71

Nerve growth factor stimulates phospholipid methylation in target ganglionic neurons independently of the cyclic AMP and sodium pump responses. Skaper SD, et al. **J Neurochem** 1984 Jan;42(1):116–22

Specificity and sodium dependence of the active nucleoside transport system in choroid plexus. Spector R, et al. **J Neurochem** 1984 Apr;42(4):1048–52

Opposite effects of extracellular sodium removal on the uptake of tryptophan into rat cortical slices and synaptosomes. Wilkinson LS, et al. **J Neurochem** 1984 Jul; 43(1):274–5

Experimental uremic neuropathy. Part 2. Sodium permeability decrease and inactivation in potential clamped nerve fibers. Brismar T, et al. **J Neurol Sci** 1984 Jul; 65(1):37–45

Immunochemical properties and cytochemical localization of the voltage-sensitive sodium channel from the electroplax of the eel (Electrophorus electricus). Fritz LC, et al. **J Neurosci** 1983 Nov;3(11):2300–9

A comparison of the selectivities of microelectrodes incorporating the Orion and Corning liquid ion exchangers for potassium over sodium. Laming PJ, et al. **J Neurosci Methods** 1983 Aug;8(4):399–402

Sodium transport in astrocytes. Walz W, et al. **J Neurosci Res** 1984;11(3):231–9

Intracellular ion changes of astrocytes in response to extracellular potassium. Walz W, et al. **J Neurosci Res** 1983; 10(4):411–23

Influence of monensin on cation influx and glycolysis of Eimeria tenella sporozoites in vitro. Smith CK 2d, et al. **J Parasitol** 1983 Aug;69(4):666–70

Influence of sodium ion-pair formation on transport kinetics of warfarin through octanol-impregnated membranes. Cools AA, et al. **J Pharm Pharmacol** 1983 Oct; 35(10):689–91

Renin-sodium profile in experimental nephrosis induced by puromycin aminonucleoside. Sagae Y, et al. **J Pharmacobiodyn** 1983 Jul;6(7):475–80

Permeability to various cations of the voltage-dependent sodium channel of rat single heart cells. Akaike N, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):225–9

Na+ gradient-dependent p-aminohippurate (PAH) transport in rat basolateral membrane vesicles. Kasher JS, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):122–9

Increased renal tubular sodium pump and Na+,K+-adenosine triphosphatase in streptozotocin-diabetic rats. Ku DD, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):664–70

Characterization of the block of sodium channels by phenytoin in mouse neuroblastoma cells. Matsuki N, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):523–30

Sodium metabolism in rat resistance vessels. Aalkjaer C, et al. **J Physiol (Lond)** 1983 Oct;343:105–16

Evidence for sodium–calcium exchange in the guinea-pig ureter. Aickin CC, et al. **J Physiol (Lond)** 1984 Feb; 347:411–30

Neural regulation on the active sodium–potassium transport in hypokalaemic rat skeletal muscles. Akaike N, et al. **J Physiol (Lond)** 1983 Aug;341:245–55

Hormone-induced co-transport with specific pharmacological properties in erythrocytes of rainbow trout, Salmo gairdneri. Baroin A, et al. **J Physiol (Lond)** 1984 May;350:137–57

Sodium and chloride co-transport by preimplantation rabbit blastocysts. Benos DJ, et al. **J Physiol (Lond)** 1983 Sep; 342:23–33

Mechanism of action of noradrenaline on the sodium–potassium pump in isolated rat liver cells. Berthon B, et al. **J Physiol (Lond)** 1983 Aug;341:25–40

Activation of feline acetylcholine synthesis in the absence of release: dependence on sodium, calcium and the sodium pump. Birks RI. **J Physiol (Lond)** 1983 Nov;344:347–57

Sodium/calcium exchange in mammalian ventricular muscle: a study with sodium-sensitive micro-electrodes. Chapman RA, et al. **J Physiol (Lond)** 1983 Oct;343:253–76

Effects of denervation on sodium, potassium and [3H]ouabain binding in muscles of normal and potassium-depleted rats. Clausen T, et al. **J Physiol (Lond)** 1983 Dec;345:123–34

Current-induced volume flow across bovine tracheal epithelium: evidence for sodium–water coupling. Durand J, et al. **J Physiol (Lond)** 1984 Mar;348:19–34

Amiloride sensitive and insensitive sodium pathways and the cellular sodium transport pool of colonic epithelium in rats. Edmonds CJ, et al. **J Physiol (Lond)** 1984 Jan;346:61–71

The distribution of small ions during the early development of Xenopus laevis and Ambystoma mexicanum embryos. Gillespie JI. **J Physiol (Lond)** 1983 Nov;344:359–77

Active sodium transport and fluid secretion in the gall-bladder epithelium of Necturus. Giraldez F. **J Physiol (Lond)** 1984 Mar;348:431–55

The occlusion of sodium ions within the mammalian sodium–potassium pump: its role in sodium transport. Glynn IM, et al. **J Physiol (Lond)** 1984 Jun;351:531–47

Intracellular ion activities in frog skin in relation to external sodium and effects of amiloride and/or ouabain. Harvey BJ, et al. **J Physiol (Lond)** 1984 Apr;349:501–17

The subtype of alpha-adrenoceptor involved in the neural control of renal tubular sodium reabsorption in the rabbit. Hesse IF, et al. **J Physiol (Lond)** 1984 Jul;352:527–38

Binding of sodium and potassium to the sodium pump of pig kidney evaluated from nucleotide-binding behaviour. Jensen J, et al. **J Physiol (Lond)** 1984 Jan;346:219–41

Sodium pump stoicheiometry determined by simultaneous measurements of sodium efflux and membrane current in barnacle. Lederer WJ, et al. **J Physiol (Lond)** 1984 Mar; 348:665–77

Apical membrane permeability and kinetic properties of the sodium pump in rabbit urinary bladder. Lewis SA, et al. **J Physiol (Lond)** 1983 Aug;341:169–84

Effects of hormonal and electrical stimulation of sodium transport on metabolism of toad urinary bladder. McLaughlin CW. **J Physiol (Lond)** 1984 Jan;346:419–37

Kinetics of the sodium/beta-methyl-D-glucoside co-transport system in the guinea-pig small intestine. Robinson JW, et al. **J Physiol (Lond)** 1983 Nov;344:177–87

The effect of leakage on micro-electrode measurements of intracellular sodium activity in crab muscle fibres. Taylor PS, et al. **J Physiol (Lond)** 1984 Jul;352:539–50

Irreversible modification of sodium channel inactivation in toad myelinated nerve fibres by the oxidant chloramine-T. Wang GK. **J Physiol (Lond)** 1984 Jan;346:127–41

Sodium requirement for capacitation and membrane fusion during the guinea-pig sperm acrosome reaction. Hyne RV, et al. **J Reprod Fertil** 1984 Jan;70(1):83–94

Effect of spironolactone on electrolytes, renin, ACTH and corticosteroids in the rat. Chabert PR, et al. **J Steroid Biochem** 1984 Jun;20(6A):1253–9

Prevention of the inhibitory effects of aspirin on sodium transport in canine gastric mucosa by prostaglandin. Correlation with mucosal morphology. Miller TA, et al. **J Surg Res** 1984 Apr;36(4):315–26

Corticosteroid regulation of electrolytes. Weber CE. **J Theor Biol** 1983 Oct 7;104(3):443–9

The effect of sodium depletion on plasma norepinephrine kinetics in patients with essential hypertension. Kimura S, et al. **Jpn Circ J** 1983 Oct;47(10):1232–41

Normalizing effects of plasma on altered cation transport of red blood cells from essential hypertensive patients. Kojima S, et al. **Jpn Circ J** 1983 Dec;47(12):1387–90

The role of the renal kallikrein–kinin system in sodium metabolism in normal and low renin essential hypertension. Shimamoto K, et al. **Jpn Circ J** 1983 Oct;47(10):1210–5

Quantitative in vivo studies on the active Na–K transports in 'tonic' muscle of the hypokalemic rat. Akaike N, et al. **Jpn J Physiol** 1983;33(3):323–36

Lumen-positive chloride transport potential in the early distal tubule of Triturus kidney: its absolute dependence on the presence of Na+ and K+ in the luminal fluid. Hoshi T, et al. **Jpn J Physiol** 1983;33(5):855–61

Prolonged action potential of frog skeletal muscle membrane in Ca-free EGTA solution. Minota S, et al. **Jpn J Physiol** 1983;33(5):777–88

Effects of various enzymes and chemical modification reagents on the Na+- and Cl- -dependent responses of the ganglion cells to acetylcholine. Sato M, et al. **Jpn J Physiol** 1983;33(5):757–76

Operation of internal Na-dependent Ca influx mechanism associated with catecholamine secretion in the adrenal chromaffin cells. Sorimachi M, et al. **Jpn J Physiol** 1984; 34(1):19–39

Requirements of external Ca and Na for the electrical and mechanical responses to noradrenaline in the smooth muscle of guinea-pig vas deferens. Wakui M, et al. **Jpn J Physiol** 1984;34(1):199–203

Ethanol inhibits veratridine-stimulated sodium uptake in synaptosomes. Mullin MJ, et al. **Life Sci** 1984 Jan 16; 34(3):287–92

Is measurement of erythrocyte Na+ influx useful for ascertainment of essential hypertension? Turner ST, et al. **Mayo Clin Proc** 1984 Jul;59(7):506–8

Sodium excess in postmenopausal osteoporosis. Aloia JF, et al. **Metabolism** 1983 Apr;32(4):359–62

Sodium–potassium pump in cultured fibroblasts from obese donors; no evidence for an inherent decrease of basal or insulin-stimulated activity. Klimes I, et al. **Metabolism** 1984 Apr;33(4):317–22

Use of specific ion channel activating and inhibiting drugs in neuroendocrine tissue. Conn PM. **Methods Enzymol** 1983;103:401–5

Erythrocyte sodium transport in acute hypophosphatemia in man. Borghi L, et al. **Miner Electrolyte Metab** 1984; 10(1):26–30

Effect of lanthanum on urinary acidification and sodium transport by the turtle and toad bladder. Sabatini S, et al. **Miner Electrolyte Metab** 1984;10(1):12–20

Different sodium requirements for 86Rb efflux and for growth hormone and prolactin secretion from bovine anterior pituitary cells. Saith S, et al. **Mol Cell Endocrinol** 1984 Apr;35(1):47–54

Hypokalemic periodic paralysis: in vitro investigation of muscle fiber membrane parameters. Rüdel R, et al. **Muscle Nerve** 1984 Feb;7(2):110–20

Current generated by backward-running electrogenic Na pump in squid giant axons. De Weer P, et al. **Nature** 1984 May 31–Jun 6;309(5967):450–2

Two types of mutants affecting voltage-sensitive sodium channels in Drosophila melanogaster. Jackson FR, et al. **Nature** 1984 Mar 8–14;308(5955):189–91

Intracellular Na+ activates a K+ channel in mammalian cardiac cells. Kameyama M, et al. **Nature** 1984 May 24–30; 309(5966):354–6

Amiloride-sensitive epithelial Na+ channels reconstituted into planar lipid bilayer membranes. Sariban-Sohraby S, et al. **Nature** 1984 Mar 1–7;308(5954):80–2

Blood volume and sodium retention in the nephrotic syndrome: a controversial pathophysiological concept. Dorhout Mees EJ, et al. **Nephron** 1984;36(4):201–11 (113 ref.)

Intracellular free sodium and potassium, post-carbachol hyperpolarization, and extracellular potassium-undershoot in rat sympathetic neurones. Ballanyi K, et al. **Neurosci Lett** 1983 Aug 8;38(3):275–9

Two different receptor sites for Ca2+ and Na+ in frog taste responses. Kitada Y. **Neurosci Lett** 1984 Jun 1;47(1):63–8

Involvement of Na influx in acetylcholine receptor mediated secretion of catecholamines from cultured bovine adrenal medulla cells. Wada A, et al. **Neurosci Lett** 1984 Jun 1; 47(1):75–80

Sodium and calcium currents measured in isolated catfish horizontal cells under voltage clamp. Shingai R, et al. **Neuroscience** 1983 Nov;10(3):893–7

Membrane protein phosphorylation in vinblastine-treated intact human red cells with stomatocytosis and increased sodium influx. Miyashima K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):1–10

Recent progress in research on red cell membrane disorders in Japan: pathogenesis of microspherocytosis in hereditary spherocytosis, sodium transport abnormalities in stomatocytosis, and homeo-adaptive compensatory mechanism for membrane fluidity in red cell membrane lipid abnormalities. Yawata Y. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1426–40

Symposium: Renal blood flow, sodium and hypertension. Dunedin, 22–23 February 1983. **NZ Med J** 1983 Nov 9; 96(743 Pt 1):825–922

Renal sodium and water handling in pregnancy. Barron WM, et al. **Obstet Gynecol Annu** 1984;13:35–69 (204 ref.)

Ultrastructural changes in the sheep renal juxtaglomerular apparatus in response to sodium depletion or loading. Hill PA, et al. **Pathology** 1983 Oct;15(4):463–73

Brain water and ion content during progressive water loading in the newborn puppy. Nattie EE, et al. **Pediatr Res** 1983 Jul;17(7):606–7

Tityus gamma toxin, a high affinity effector of the Na+ channel in muscle, with a selectivity for channels in the surface membrane. Barhanin J, et al. **Pflugers Arch** 1984 Jan;400(1):22–7

Temperature dependent properties of sodium inward current of frog atrial trabecles. Benndorf K, et al. **Pflugers Arch** 1984 Mar;400(3):329–31

Sodium-dependent dicarboxylate transport in rat renal basolateral membrane vesicles. Burckhardt G. **Pflugers Arch** 1984 Jul;401(3):254–61

Energetics of active sodium–potassium transport following stimulation with insulin, adrenaline or salbutamol in rat soleus muscle. Chinet A, et al. **Pflugers Arch** 1984 Jun; 401(2):160–6

Vanadate stimulates the pumped movements of Na in skeletal muscle. Erlij D. **Pflugers Arch** 1984 Apr;400(4):413–7

Diminished arterial smooth muscle response to adenosine during Na-K pump inhibition. Foley DH. **Pflugers Arch** 1984 Jan;400(1):88–95

Use-dependent block of cardiac sodium channels by quaternary derivatives of lidocaine. Gintant GA, et al. **Pflugers Arch** 1984 Feb;400(2):121–9

O2 consumption, aerobic glycolysis and tissue phosphagen content during activation of the Na+/K+ pump in rat portal vein. Hellstrand P, et al. **Pflugers Arch** 1984 Jun; 401(2):119–24

The active guanidinium group of saxitoxin and neosaxitoxin identified by the effects of pH on their activities on squid axon. Kao PN, et al. **Pflugers Arch** 1983 Aug; 398(3):199–203

The influence of intracellular sodium activity on the transport of glucose in proximal tubule of frog kidney. Lang F, et al. **Pflugers Arch** 1984 May;401(1):14–21

Sodium gradient-energized concentrative transport of adenosine in renal brush border vesicles. Le Hir M, et al. **Pflugers Arch** 1984 May;401(1):58–63

Short-term effect of aldosterone on renal sodium transport and tubular Na–K–ATPase in the rat. El Mernissi G, et al. **Pflugers Arch** 1983 Oct;399(2):139–46

Single Na channels in mouse neuroblastoma cell membrane. Indications for two open states. Nagy K, et al. **Pflugers Arch** 1983 Dec;399(4):302–8

Heterogeneity of external surface charges near sodium channels in the nodal membrane of frog nerve. Neumcke B, et al. **Pflugers Arch** 1984 Jun;401(2):125–31

Effect of aldosterone and dexamethasone pretreatment on sodium transport in rat distal colon in vitro. Perrone RD, et al. **Pflugers Arch** 1984 Mar;400(3):257–61

The influence of catecholamines on Na, K transport in slow- and fast-twitch muscles of the rat. Pfliegler G, et al. **Pflugers Arch** 1983 Aug;398(3):236–40

Effect of chronic hyperaldosteronism on the electrophysiology of rat distal colon. Sandle GI, et al. **Pflugers Arch** 1984 May;401(1):22–6

Combined action of intraaxonal iodate and external sea anemone toxin ATX II on sodium channel inactivation of frog nerve fibres. Schmidtmayer J, et al. **Pflugers Arch** 1983 Aug;398(3):204–9

Noise analysis of inward and outward Na+ currents across the apical border of ouabain-treated frog skin. Van Driessche W, et al. **Pflugers Arch** 1983 Aug;398(3):179–88

The effect of Tityus serrulatus scorpion toxin gamma on Na channels in neuroblastoma cells. Vijverberg HP, et al. **Pflugers Arch** 1984 Jul;401(3):297–303

The sensitivity of apical Na+ permeability in frog skin to hypertonic stress. Zeiske W, et al. **Pflugers Arch** 1984 Feb; 400(2):130–9

Sodium reabsorption during intrarenal diazoxide infusion in the dog. Allen WR, et al. **Pharmacology** 1983;27(6):336–42

Interaction between cholinergic and osmolar stimulation of the lateral hypothalamic area (LHA) on sodium and potassium excretion. Perez SE, et al. **Physiol Behav** 1984 Feb;32(2):191–4

Body sodium and blood pressure: abnormal and different correlations in Conn's syndrome, renal artery stenosis and essential hypertension. Davies DL, et al. **Proc Eur Dial Transplant Assoc** 1983;20:483–8

Na+–H+ exchange activity in renal brush border membrane vesicles in response to metabolic acidosis: The role of glucocorticoids. Kinsella J, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):630–4

A specific mutation abolishing Na+/H+ antiport activity in hamster fibroblasts precludes growth at neutral and acidic pH. Pouysségur J, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4833–7

Reconstitution of neurotoxin-modulated ion transport by the voltage-regulated sodium channel isolated from the electroplax of Electrophorus electricus. Rosenberg RL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1239–43

Single-channel properties of the reconstituted voltage-regulated Na channel isolated from the electroplax of Electrophorus electricus. Rosenberg RL, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5594–8

Increasing the intracellular Na+ concentration induces differentiation in a pre-B lymphocyte cell line. Rosoff PM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7547–50

Electrical activity and cytosolic calcium regulate levels of tetrodotoxin-sensitive sodium channels in cultured rat muscle cells. Sherman SJ, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):262–6

Cell growth and net Na+ flux are inhibited by a protein produced by kidney epithelial cells in culture. Walsh-Reitz MM, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):793–6

Movement of ions through fixed pores in the neural membrane. Wooldridge DE. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5609–12

A new preparation for recording single-channel currents from skeletal muscle. Standen NB, et al. **Proc R Soc Lond [Biol]** 1984 Jun 22;221(1225):455–64

Interactive effects of ethanol and silver on sodium transport across toad skin. Gerencser GA, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):257–60

Effects of substance P on Na and K transport in perfused main submandibular duct of rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):165–7

Sodium transport in Rana pipiens gastric mucosa. Shanbour LL, et al. **Proc Soc Exp Biol Med** 1984 May;176(1):38–41

The contribution of the kidney to the retention of sodium during growth. Spitzer A. **Prog Clin Biol Res** 1983; 140:297–308 (23 ref.)

The barnacle muscle fibre as a model system for the investigation of the ouabain-insensitive sodium efflux and hormonal actions. Bittar EE. **Prog Neurobiol** 1983; 20(1–2):1–54 (182 ref.)

Sodium-dependent lithium ion efflux from murine neuroblastoma and rat glioma cells: a minor pathway for efflux of lithium ions. Richelson E, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):27–9

Effect of the serum concentration of the growth medium on the sodium pump site density of cultured HeLa cells. Aiton JF, et al. **Q J Exp Physiol** 1984 Jan;69(1):97–115

Sodium currents in skeletal muscle fibres from the toad Bufo marinus. Arispe NJ, et al. **Q J Exp Physiol** 1984 Jul; 69(3):507–19

The measurement of intracellular sodium activity and its relationship to the action of calcium ions upon the low-sodium contracture in frog atrial trabeculae. Chapman RA, et al. **Q J Exp Physiol** 1984 Jul;69(3):559–72

Effect of amrinone on sodium-calcium exchange in cardiac sarcolemmal vesicles. Mallov S. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):197–210

Intracellular Na+ and Ca2+ in aortic smooth muscle cells after enzymatic isolation in spontaneously hypertensive rats. Zidek W, et al. **Res Exp Med (Berl)** 1983;183(2):129–32

Mechanism of action of the sodium pump in vertebrate photoreceptors. Marroni P, et al. **Rev Can Biol Exp** 1983 Nov;42(3):257–61

Sodium, potassium and chloride intracellular concentrations in the intestine of the freshwater turtle Mauremys caspica. Acevedo M, et al. **Rev Esp Fisiol** 1983 Jun;39(2):123–7

Dopaminergic modulation of aldosterone secretion: effect of sodium balance and postural changes. García-Robles R, et al. **Rev Esp Fisiol** 1984 Mar;40(1):63–8

Factors regulating sodium balance in proctocolectomized patients with various ileal resections. Delin K, et al. **Scand J Gastroenterol** 1984 Mar;19(2):145–9

The molecular basis of neuronal excitability. Catterall WA. **Science** 1984 Feb 17;223(4637):653–61

Salt taste transduction occurs through an amiloride-sensitive sodium transport pathway. Heck GL, et al. **Science** 1984 Jan 27;223(4634):403–5

Methylation increases sodium transport into A6 apical membrane vesicles: possible mode of aldosterone action. Sariban-Sohraby S, et al. **Science** 1984 Aug 17; 225(4663):745–6

Voltage-dependent sodium channels in an invertebrate striated muscle. Schwartz LM, et al. **Science** 1984 Aug 3; 225(4661):523–5

Electrochemical driving forces for secondary active transport: energetics and kinetics of Na+–H+ exchange and Na+–glucose cotransport. Aronson PS. **Soc Gen Physiol Ser** 1984;38:49–70

The energetics and kinetics of sodium-calcium exchange in barnacle muscles, squid axons, and mammalian heart: the role of ATP. Blaustein MP. **Soc Gen Physiol Ser** 1984; 38:129–47

The Na+/Ca2+ exchanger of heart sarcolemma is regulated by a phosphorylation-dephosphorylation process. Caroni P, et al. **Soc Gen Physiol Ser** 1984;38:149–60

The electrogenic Na pump in mammalian cardiac muscle. Eisner DA, et al. **Soc Gen Physiol Ser** 1984;38:193–213

Influence of the sodium pump current on electrical activity of cardiac cells. Gadsby DC. **Soc Gen Physiol Ser** 1984; 38:215–38

The electrogenic sodium pump. Glynn IM. **Soc Gen Physiol Ser** 1984;38:33–48

The effects of Na–Ca exchange on membrane currents in sheep cardiac Purkinje fibers. Lederer WJ, et al. **Soc Gen Physiol Ser** 1984;38:373–80

The sodium pump of mouse pancreatic beta-cells: electrogenic properties and activation by intracellular sodium. Meissner HP, et al. **Soc Gen Physiol Ser** 1984; 38:295–306

An electrogenic saga: consequences of sodium-calcium exchange in cardiac muscle. Mullins LJ. **Soc Gen Physiol Ser** 1984;38:161–79

Electrogenic sodium pump current associated with recovery from intracellular acidification of snail neurons. Thomas RC. **Soc Gen Physiol Ser** 1984;38:353–63

Electrogenic sodium pumping in Xenopus blastomeres: apparent pump conductance and reversal potential. Turin L. **Soc Gen Physiol Ser** 1984;38:345–51

Separation of Na+ and H2O transport during hemodialysis and quantification of high-low NaDi levels during sequential sodium therapy. Murisasco A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:645–8

Sequential changes in dialysate sodium (DNa) during hemodialysis. Raja R, et al. **Trans Am Soc Artif Intern Organs** 1983;29:649–51

Effect of high hydrostatic pressure on sodium transport across toad skin. Hong SK, et al. **Undersea Biomed Res** 1984 Mar;11(1):37–47

Cellular sodium transport and hypertension: a new hypothesis [letter] Llaurado JG. **West J Med** 1983 Nov;139(5):715–6

Changes in the structure and function of the rumen epithelium during development. 3. Effect of liquid versus solid diet on Na and Cl transport across lamb rumen epithelium. Scharrer E, et al. **Zentralbl Veterinarmed** [A] 1983 Dec;30(10):767–74

[Sodium, potassium, calcium and magnesium metabolism in patients with allergic-infectious bronchial asthma] Petrov D, et al. **Vutr Boles** 1984;23(1):85–90 (Eng. Abstr.) **(Bul)**

[The sodium-potassium pump in hypertension. Mechanisms of action of potassium] Haddy FJ. **Arch Mal Coeur** 1984 Apr;77 Spec No:67–72 (Eng. Abstr.) **(Fre)**

[Essential arterial hypertension, cellular intolerance to sodium] Meyer P, et al. **Arch Mal Coeur** 1984 Apr;77 Spec No:81–6 (Eng. Abstr.) **(Fre)**

[Distribution of Na+–, K+ and Ca2+ ions in muscle tissue under the influence of the variation of the K/Ca ratio in the perfusion fluid] Stanciu C. **Physiologie** 1984 Jan–Mar; 21(1):33–8 **(Fre)**

[Reduction of sodium administration and increase of potassium administration in patients threatened by hypertension and in hypertensive patients] Heyden S. **Dtsch Med Wochenschr** 1983 Jul 29;108(30):1159–62 **(Ger)**

[Intracellular electrolytes and high blood pressure. Membrane theory of essential hypertension] Duhm J. **MMW** 1983 Nov 11;125(45):1045–9 (44 ref.) (Eng. Abstr.) **(Ger)**

[A possibility that tubulo-glomerular retrocontrol influences renal function in toto] Agnoli GC, et al. **Boll Soc Ital Cardiol** 1982;27(8):721–50 (Eng. Abstr.) **(Ita)**

[Water-salt regulation in young subjects with essential hypertension and in hypertensives with angiosclerosis] Cortinovis A, et al. **Boll Soc Ital Cardiol** 1983 Mar; 28(3):215–26 (Eng. Abstr.) **(Ita)**

[Factors responsible for myocardial resting membrane potential changes induced by frequent stimulations—analysis of various factors influencing Na–K pump potentials] Fujino T. **Fukuoka Igaku Zasshi** 1983 Jul; 74(7):478–93 (Eng. Abstr.) **(Jpn)**

[Effects of sulfhydryl reagents on sodium-calcium exchange system in canine cardiac sarcolemmal vesicles] Hazama S. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):354–62 (Eng. Abstr.) **(Jpn)**

[Effects of vasopressin on sodium transport and osmotic water flow in MDCK monolayer cells] Marumo F, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):874–5 **(Jpn)**

[Effects of vasopressin and insulin on sodium transport in the cultured renal cells] Saito T. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):872–4 **(Jpn)**

[Water-sodium metabolism and neuropeptides] Itoh S. **Nippon Rinsho** 1983 May;41(5):957–62 (18 ref.) **(Jpn)**

[Pathophysiology of hypertension. c. Electron transport. 1) Biological transport in the kidney] Takahashi S, et al. **Nippon Rinsho** 1984 Feb;42(2):325–31 **(Jpn)**

[Cation transport and regulation of the cytoplasmic pH in microorganisms] Kobayashi H. **Seikagaku** 1983 Jul; 55(7):427–44 (149 ref.) **(Jpn)**

[Active transport of sugars coupled to Na+ in Escherichia coli] Tsuchiya T. **Yakugaku Zasshi** 1983 Oct; 103(10):1007–14 (36 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of padan on active sodium transport in the epithelium of isolated frog skin] Kontek M, et al. **Med Pr** 1984; 35(1):7–11 (Eng. Abstr.) **(Pol)**

[Various aspects of disorders of water-electrolyte metabolism in chronic renal failure] Manitius A. **Pol Arch Med Wewn** 1984 Mar;71(3):183–93 **(Pol)**

[Role of sodium in the pathogenesis of primary arterial hypertension] Przybył L, et al. **Pol Arch Med Wewn** 1983 Mar;69(3):229–34 (32 ref.) **(Pol)**

[The effect of continuous millimeter low-intensity radiation on the Na+ ion transport in the frog skin] Kazarinov KD, et al. **Biofizika** 1984 May–Jun;29(3):480–2 (Eng. Abstr.) **(Rus)**

[Anion channels of photoreceptor cell plasma membranes] Kolesnikov SS, et al. **Biofizika** 1984 Mar–Apr;29(2):237–40 (Eng. Abstr.) **(Rus)**

[Permeability of sarcoplasma reticulum membrane for monovalent cations] Pechatnikov VA, et al. **Biofizika** 1983 Jul–Aug;28(4):669–73 (Eng. Abstr.) **(Rus)**

[Biosynthesis of protein and RNA during changes in the Na and K ratios in Ehrlich carcinoma cells] Kaz'min SD, et al. **Biokhimiia** 1984 Jun;49(6):965–70 (Eng. Abstr.) **(Rus)**

[Contribution of the Mg2+–, ATP- AND Na+-dependent Ca2+-transport systems to the regulation of Ca2+ concentration in myometrial cells] Kosterin CA, et al. **Biokhimiia** 1984 Jan;49(1):12–9 (Eng. Abstr.) **(Rus)**

[Effect of the macrocyclic polyether 15-crown-5 on the ionic permeability of excitable membranes] Bogatskii AV, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):165–8 (Eng. Abstr.) **(Rus)**

[Sodium permeability of cardiac cells exposed to nembutal] Dmitrieva NV, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):201–3 (Eng. Abstr.) **(Rus)**

[Active sodium transport across the intestinal mucosa of rats studied with an automatic continuous voltage clamp] Metel'skiĭ ST. **Biull Eksp Biol Med** 1984 May;97(5):563–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the sodium storage capability of the liver] Terner AIa, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):263–5 (Eng. Abstr.) **(Rus)**

[2d-order kinetics of sodium conduction inactivation. Thermodynamic and physiological tests] Gnetov AV, et al. **Dokl Akad Nauk SSSR** 1984;274(6):1511–4 **(Rus)**

[Relation of the changes in the intracellular ratio of monovalent cations to transcription regulation in the course of the mitotic cycle of Ehrlich ascitic carcinoma cells] Kolosov EV, et al. **Dokl Akad Nauk SSSR** 1983; 273(2):467–9 **(Rus)**

[Isolation of protein blocking potential-dependent sodium channels from the brain of the bull] Maniakov VF, et al. **Dokl Akad Nauk SSSR** 1983;273(3):744–7 **(Rus)**

[Temperature dependence of coupled sodium and glucose transport. A new model] Metel'skiĭ ST, et al. **Dokl Akad Nauk SSSR** 1983;273(3):757–60 **(Rus)**

[Action of a low-frequency magnetic field on the sodium current of myocardial cells] Piruzian LA, et al. **Dokl Akad Nauk SSSR** 1984;274(4):952–5 **(Rus)**

[Effect of theophylline on the biophysical characteristics of transparietal electrolyte transport in the wall of the jejunum] Budanov NV. **Farmakol Toksikol** 1983 Nov–Dec; 46(6):57–9 (Eng. Abstr.) **(Rus)**

[Changes in extra- and intracellular electrolytes and nucleic acid metabolism in the myocardium during biological preservation of the heart] Barinov EF. **Fiziol Zh** 1984 Jul–Aug;30(4):425–31 (Eng. Abstr.) **(Rus)**

[Effect of a blockade of the beta 1-adrenoreceptors on the hemodynamics, oxygen tension and sodium reabsorption in the rat kidney] Kuz'min OB, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):355–9 (Eng. Abstr.) **(Rus)**

[Differences in the rates of Na/Li–countertransport in the erythrocyte membranes of hypertensive and renal hypertensive patients] Liusov VA, et al. **Kardiologiia** 1983 Aug;23(8):24–6 (Eng. Abstr.) **(Rus)**

[Interrelation of transport of glucose, sodium and other electrolytes in the small intestine] Parfenov AI, et al. **Klin Med (Mosk)** 1984 Jan;62(1):115–21 (Eng. Abstr.) **(Rus)**

[Metabolism of potassium and sodium when administered with different anions to patients with ischemic heart disease and arterial hypertension] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1984 Mar;29(3):30–5 (Eng. Abstr.) **(Rus)**

[Stationary characteristics of proton receptors in the somatic membrane of sensory neurons in the rat] Korkushko AO, et al. **Neirofiziologiia** 1983;15(6):632–8 (Eng. Abstr.) **(Rus)**

[Selectivity and sensitivity to blocking by hydrogen ions of batrachotoxin-modified sodium channels in nerve fiber membranes] Mozhaeva GN, et al. **Neirofiziologiia** 1983; 15(6):571–9 (Eng. Abstr.) **(Rus)**

[Activation and inactivation of batrachotoxin-modified sodium channels of nerve fiber membranes in the frog] Mozhaeva GN, et al. **Neirofiziologiia** 1984;16(1):18–26 (Eng. Abstr.) **(Rus)**

[Ion currents through batrachotoxin-modified sodium channels of node of Ranvier membranes at high positive and negative potentials] Mozhaeva GN, et al. **Neirofiziologiia** 1983;15(5):495–503 (Eng. Abstr.) **(Rus)**

[Potential-dependent changes in the ionic selectivity of batrachotoxin-modified sodium channels of a frog nerve fiber] Mozhaeva GN, et al. **Neirofiziologiia** 1983; 15(5):485–94 (Eng. Abstr.) **(Rus)**

[Modification of the gating mechanism of incurrent sodium channels by an osmotic pressure gradient on a perfused neuron] Osipchuk IuV. **Neirofiziologiia** 1983;15(4):437–9 (Eng. Abstr.) **(Rus)**

[Kinetics of through EDTA-modified calcium channels of the somatic membrane of mollusk neurons] Shuba IaM. **Neirofiziologiia** 1983;15(5):547–54 (Eng. Abstr.) **(Rus)**

[Changes in the muscle ultrastructure and electrolyte composition of rats in embryogenesis. II. X-ray spectrum microanalysis of the intracellular concentrations of potassium, sodium and phosphorus in skeletal and heart muscle] Burovina IV, et al. **Tsitologiia** 1984 Mar; 26(3):264–8 (Eng. Abstr.) **(Rus)**

[Kinetic model of the gating system of the sodium channel in a Ranvier node membrane] Lonskiĭ AV, et al. **Tsitologiia** 1983 Nov;25(11):1325–9 (Eng. Abstr.) **(Rus)**

[Cadmium stimulation of Na-independent organic acid transport in the kidney tubules] Nikiforov AA, et al. **Tsitologiia** 1984 Jan;26(1):75–82 (Eng. Abstr.) **(Rus)**

[Effect of thallium ions on sodium and potassium transport in frog skin] Skul'skiĭ IA, et al. **Tsitologiia** 1983 Nov; 25(11):1284–8 (Eng. Abstr.) **(Rus)**

[Action of batrachotoxin on the membrane sodium channels of neuroblastoma cells] Zubov AN, et al. **Tsitologiia** 1984 Apr;26(4):415–23 (Eng. Abstr.) **(Rus)**

[Transport of Rb+ via activated sodium channels of clone N 18 phi 1 neuroblastoma cells] Gulaia NM, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):657–61 (Eng. Abstr.) **(Rus)**

[Passive sodium transport into epithelial cells: study methods, properties, regulation and role] Metel'skiĭ ST. **Usp Fiziol Nauk** 1984 Jul–Sep;15(3):23–41 (112 ref.) **(Rus)**

[Sodium and potassium ion transport in the skin of Rana temporaria frogs under anaerobic conditions] Lapin AV, et al. **Zh Evol Biokhim Fiziol** 1983 Nov–Dec;19(6):545–9 (Eng. Abstr.) **(Rus)**

[Sodium and chlorine reabsorption system in the kidney of fetal and neonatal rats] Reznik LV, et al. **Zh Evol Biokhim Fiziol** 1983 Jul–Aug;19(4):428–31 (Eng. Abstr.) **(Rus)**

[Disruption of sodium-potassium metabolism in the acute period of craniocerebral injuries in the aged] Pedachenko GG, et al. **Zh Vopr Neirokhir** 1983 Nov–Dec;(6):40–4 (Eng. Abstr.) **(Rus)**

[Effect of aging on the mechanisms of Na+ extrusion in proximal kidney tubules cells in the rat] Marín R, et al. **Acta Cient Venez** 1983;34(1):48–53 (Eng. Abstr.) **(Spa)**

[Relation between a circulating inhibitor of sodium transport and arterial hypertension] Wardener HE, et al. **Rev Esp Cardiol** 1983;36(6):463–8 (Eng. Abstr.) **(Spa)**

[Methods of evaluating sodium and potassium flow through the erythrocyte membrane] Martín Vasallo P, et al. **Sangre (Barc)** 1983;28(6):703–10 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? III. A possible role of sodium ions in non-exocytotic fractional release of neurotransmitters. Uvnäs B, et al. **Acta Physiol Scand** 1984 Jan;120(1):99–107 (48 ref.)

Effect of Na+– or Ca2+–filled liposomes on electrical activity of cultured heart cells. Bkaily G, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H756–61

Influence of daily sodium intake on vasopressin secretion and drinking in dogs. Cowley AW Jr, et al. **Am J Physiol** 1983 Dec;245(6):R860–72

Luminal influences on potassium secretion: low sodium concentration. Good DW, et al. **Am J Physiol** 1984 May; 246(5 Pt 2):F609–19

Specificity of an Na+ –dependent taurocholate transport site in isolated rat hepatocytes. Hardison WG, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G477–83

Effect of sodium on calcium–dependent force in unstimulated rat cardiac muscle. Walford GD, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H222–31

Effects of sodium intake on steady-state potassium excretion. Young DB, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F772–8

Trimethylamine oxide respiration of Alteromonas putrefaciens NCMB 1735: Na+–stimulated anaerobic transport in cells and membrane vesicles. Stenberg E, et al. **Appl Environ Microbiol** 1984 May;47(5):1090–5

Two ouabain binding sites in guinea pig heart Na+–K+–ATPase. Differentiation by sodium and erythrosin B. Fricke U. **Basic Res Cardiol** 1984;79 Suppl:119–27

Sodium ion modulates collagen types in human fibroblastic cells in culture. Hata R, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):313–8

The use of calcium uptake by small amounts of mitochondria from pancreatic islets to study mitochondrial respiration: the effects of diazoxide and sodium. MacDonald MJ. **Biochem Int** 1984 Jun;8(6):771–8

Renal transport of neutral amino acids. Tubular localization of Na+–dependent phenylalanine– and glucose–transport systems. Kragh-Hansen U, et al. **Biochem J** 1984 May 15; 220(1):15–24

Sodium/calcium exchange in smooth-muscle microsomal fractions. Morel N, et al. **Biochem J** 1984 Mar 1; 218(2):421–7

Renal transport of neutral amino acids. Demonstration of Na+–independent and Na+–dependent electrogenic uptake of L–proline, hydroxy–L–proline and 5–oxo–L–proline by luminal–membrane vesicles. Røigaard-Petersen H, et al. **Biochem J** 1984 May 15; 220(1):25–33

Effect of phloretin on Na+–dependent D–glucose uptake by intestinal brush border membrane vesicles. Yokota K, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3453–7

Mechanism of sodium independent calcium efflux from rat liver mitochondria. Gunter TE, et al. **Biochemistry** 1983 Dec 20;22(26):6341–51

Activation of acetylcholinesterase by monovalent (Na+,K+) and divalent (Ca2+,Mg2+) cations. Hofer P, et al. **Biochemistry** 1984 Jun 5;23(12):2730–4

Ionophore monensin induces Na+–dependent secretion from rabbit neutrophils. requirement for intracellular Ca2+ stores. Di Virgilio F, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):292–8

Energetics of sodium-dependent alpha-aminoisobutyric acid transport in the moderate halophile Vibrio costicola. Hamaide F, et al. **Biochim Biophys Acta** 1984 Jul 27; 766(1):77–87

A possible involvement of cytoplasmic Ca2+ in sodium dependency of neurite outgrowth of rat pheochromocytoma PC12 cells. Koike T. **Biochim Biophys Acta** 1983 Oct 25;763(3):258–64

The asymmetric effect of lanthanides on Na+–gradient–dependent Ca2+ transport in synaptic plasma membrane vesicles. Rahamimoff H, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):279–89

Effect of N–ethylmaleimide on leucine transport in the Chang liver cell. II. Effect on the kinetics of Na+–independent transport. Takadera T, et al. **Biochim Biophys Acta** 1983 Nov 9;735(2):197–202

The glutamate–isolated mass receptor potential of the frog's retina. II. Sodium and potassium dependence. Reichenbach A. **Biomed Biochim Acta** 1983;42(10):1277–85

Effects of sodium and calcium concentrations on the potentiation by indomethacin of the responses of rabbit mesenteric and coeliac arteries to vasoconstrictor agonists. Novelli EL, et al. **Br J Pharmacol** 1983 Nov;80(3):445–50

Mediobasal hypothalamic neurons are excited by the iontophoretic application of sodium. Mandelbrod I, et al. **Brain Res** 1983 Aug 22;273(1):35–44

Thermotropic mesomorphism in aqueous dispersions of 1–palmitoyl–2–oleoyl– and 1,2–dilauroyl–phosphatidylglycerols in the presence of excess Na+ or Ca2+. Fleming BD, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):882–91

Effect of quinidine on Na–dependent 45Ca transport in isolated adult cardiac cells. Désilets M, et al. **Can J Physiol Pharmacol** 1984 May;62(5):575–80

Red cell membrane Ca–ATPase in cystic fibrosis: increased activation by Na. Clough DL, et al. **Clin Chim Acta** 1984 Apr 27;138(3):259–65

Dopaminergic blockade of the renin–angiotensin–aldosterone system: effect of high and low sodium intakes. Gordon MB, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):415–25

Influence of sodium diet and deoxycorticosterone on the response to norepinephrine, lysine–vasopressin and angiotensin II of isolated perfused rat mesenteric arteries. Monney M, et al. **Clin Exp Hypertens [A]** 1983; 5(10):1735–47

Effect of sodium intake on intraerythrocyte sodium concentration in normotensive subjects and patients with untreated mild hypertension. Myers JB, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):361–4

Influence of variation in dietary sodium intake on biochemical indices of sympathetic activity in normal man. Watson RD, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr;11(2):163–70

Effect of high sodium intake on tissue distribution of endogenous digitalis–like material in the rat. Castaneda–Hernandez G, et al. **Clin Sci** 1984 Feb; 66(2):225–8

Sodium–dependent pH regulation in active sea urchin sperm. Bibring T, et al. **Dev Biol** 1984 Feb;101(2):425–35

Sodium induces oxytocin release from superfused rat pituitary. Miyake A, et al. **Endocrinol Jpn** 1983 Apr; 30(2):173–7

Sodium ions: their role and mechanism of action in the control of prolactin release. Collu R, et al. **Endocrinology** 1984 Apr;114(4):1302–7

Role of the renin–angiotensin system in the regulation of late steps in aldosterone biosynthesis by sodium intake of potassium–deficient rats. Müller J, et al. **Endocrinology** 1984 Jul;115(1):350–6

Sodium–potassium ATPase in deoxycorticosterone–salt hypertension: opposing effects of sodium load and mineralocorticoids. Stern N, et al. **Endocrinology** 1984 Feb; 114(2):624–8

Renal clearance of digoxin in man after sodium loading or furosemide treatment. Naafs MA, et al. **Eur J Clin Pharmacol** 1983;25(3):375–9

Intracellular activity of sodium in normal and dystrophic skeletal muscle from C57BL/6J mice. Ward KM, et al. **Exp Neurol** 1984 Mar;83(3):629–33

Membrane current changes related to Na–Ca exchange diffusion in the bullfrog atrial muscle. Goto M, et al. **Fukuoka Igaku Zasshi** 1983 Jun;74(6):327–34

Na+ requirement for growth, photosynthesis, and pH regulation in the alkalotolerant cyanobacterium Synechococcus leopoliensis. Miller AG, et al. **J Bacteriol** 1984 Jul;159(1):100–6

Free energy changes in denaturation of ribonuclease A by mixed denaturants. Effects of combinations of guanidine hydrochloride and one of the denaturants lithium bromide, lithium chloride, and sodium bromide. Ahmad F. **J Biol Chem** 1984 Apr 10;259(7):4183–6

Reaction of (Na+ + K+)–dependent adenosine triphosphatase with inorganic phosphate. Regulation by Na+, K+, and nucleotides. Askari A, et al. **J Biol Chem** 1984 Apr 10;259(7):4169–76

Characterization of the polyamine transport system in mouse neuroblastoma cells. Effects of sodium and system A amino acids. Rinehart CA Jr, et al. **J Biol Chem** 1984 Apr 25; 259(8):4750–6

High salt intake blunts plasma catecholamine and renin responses to exercise: less suppressive epinephrine in borderline essential hypertension. Block LH, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S95–100

Blood pressure, intraerythrocyte content, and transmembrane fluxes of sodium during normal and high salt intake in subjects with and without a family history of hypertension: evidence against a sodium transport inhibitor. Gudmundsson O, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S35–41

Time course and effect of sodium intake on vascular and hormonal responses to enalapril (MK 421) in normal subjects. Shoback DM, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):1010–8

Endogenous prostacyclin synthesis is decreased during activation of the renin–angiotensin system in man. Watson ML, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):304–8

Taurocholate transport by rat liver canalicular membrane vesicles. Evidence for the presence of an Na+–independent transport system. Inoue M, et al. **J Clin Invest** 1984 Mar; 73(3):659–63

Inhibition of the synthesis and secretion of extracellular glucosyl– and fructosyltransferase in Streptococcus sanguis by sodium ions. Keevil CW, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):77–82

Plasma volume regulation in patients with progressive autonomic failure during changes in salt intake or posture. Wilcox CS, et al. **J Lab Clin Med** 1984 Sep;104(3):331–9

Movement of Ca2+ across the sarcolemma: effects of abrupt exposure to zero external Na concentration. Barry WH, et al. **J Mol Cell Cardiol** 1984 Feb;16(2):155–64 (43 ref.)

Effects of ethanol, temperature, and endogenous regulatory factors on the characteristics of striatal opiate receptors. Hoffman PL, et al. **J Neurochem** 1984 Oct;43(4):1003–10

Mechanism of relaxant action of papaverine. III. Comparison of sodium ion dependencies on the relaxant effects of papaverine, Aspaminol and benactyzine in guinea-pig

taenia coli. Sunagane N, et al. **J Pharmacobiodyn** 1983 Jul; 6(7):466–74

The effects of low sodium solutions on intracellular calcium concentration and tension in ferret ventricular muscle. Allen DG, et al. **J Physiol (Lond)** 1983 Dec;345:391–407

Effect of ions on retinal rods from Bufo marinus. Hodgkin AL, et al. **J Physiol (Lond)** 1984 May;350:649–80

Effect of sodium on transport of weak electrolytes across rat jejunum in vitro. Jackson MJ. **J Physiol (Lond)** 1984 Mar;348:417–29

Effects of extracellular sodium on calcium efflux and membrane current in single muscle cells from the barnacle. Lederer WJ, et al. **J Physiol (Lond)** 1983 Aug;341:325–39

Ionic regulation of antagonist binding to the human muscarinic cholinergic receptor of caudate nucleus. Tollefson GD, et al. **J Psychiatr Res** 1982–83;17(3):275–83

Effect of sodium intake on prostacyclin generation in rabbit mesenteric artery. Miyamori I, et al. **Jpn Circ J** 1983 Oct; 47(10):1216–20

Computer-assisted analysis of receptor-binding studies of [3H]-naloxone and [3H]-DADL: a reinterpretation of the Na+ effect. Loew GH, et al. **Life Sci** 1983;33 Suppl 1:163–6

A sodium-independent mechanism for L-arginine uptake by rat renal brush border membrane vesicles. Jean T, et al. **Membr Biochem** 1983;5(1):1–18

Plasma digitalis-like factor(s) increase with salt loading [letter] Gault MH, et al. **N Engl J Med** 1983 Dec 8; 309(23):1459

Cation selectivity of light-sensitive conductance in retinal rods. Yau KW, et al. **Nature** 1984 May 24–30; 309(5966):352–4

Prostaglandin E2 promotes hypotension on low-sodium hemodialysis. Schultze G, et al. **Nephron** 1984;37(4):250–6

Sodium, adrenergic activity and blood pressure. De Leeuw PW, et al. **Neth J Med** 1983;26(9):283–7

The interrelationship between sodium intake, membrane sodium transport and high blood pressure. Morgan TO, et al. **Neth J Med** 1984;27(4):101–4

Effect of external sodium on intracellular chloride activity in the surface cells of frog gastric mucosa. Microelectrode studies. Curci S, et al. **Pflugers Arch** 1984 Jun;401(2):152–9

The influence of sodium intake on physiological responses to angiotensin II in conscious dogs. Olsen ME, et al. **Scand J Urol Nephrol [Suppl]** 1984;79:29–34

Alterations in buffer K+/Na+ ratio modifies the stimulatory effect of the diuretic, cycletanide, upon rat aorta ring prostacyclin synthesis. Elliott GR, et al. **Thromb Res** 1984 Mar 1;33(5):549–52

[Role of sodium in the control of compartmental distribution of water during hemodialysis. I. Measurement of water transfer] Brunois JP, et al. **Nephrologie** 1984;5(1):27–31 (Eng. Abstr.) **(Fre)**

[Blood gas and acid–base changes and rhythmologic tolerance of acetate and bicarbonate hemodialysis using a standard dialyser with high sodium and control of ultrafiltration] Westeel PF, et al. **Nephrologie** 1983; 4(4–5):194–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Participation of Na+ in the excitation–contraction coupling of the phasic and tonic contractions in stomach smooth muscles. Bonev A, et al. **Acta Physiol Pharmacol Bulg** 1983; 9(3):51–7

Effects of captopril on arterial blood pressure, plasma renin activity and vasopressin concentration in sodium-repleted and sodium-deficient goats. A serial study during pregnancy, lactation and anestrus. Olsson K, et al. **Acta Physiol Scand** 1984 May;121(1):73–80

GTP and Na+ modulate receptor–adenyl cyclase coupling and receptor–mediated function. Limbird LE. **Am J Physiol** 1984 Jul;247(1 Pt 1):E59–68

Sodium and potassium. Fregly MJ. **Annu Rev Nutr** 1981; 1:69–93 (100 ref.)

Effect of parathyroid hormone on Na+–dependent phosphate transport and cAMP–dependent 32P phosphorylation in brush border vesicles from isolated perfused canine kidneys. Hammerman MR, et al. **Arch Biochem Biophys** 1983 Nov;227(1):91–7

Studies of the kinetics of Na+ gradient–coupled glucose transport as found in brush–border membrane vesicles from rabbit jejunum. Dorando FC, et al. **Biochim Biophys Acta** 1984 May 30;772(3):273–87

Potential difference responses due to K+, Na+ and Cl– changes in bullfrog antrum with and without HCO3–. Schwartz M, et al. **Biochim Biophys Acta** 1984 Jan 11; 769(1):105–16

The effects of ryanodine, EGTA and low-sodium on action potentials in rat and guinea-pig ventricular myocytes: evidence for two inward currents during the plateau. Mitchell MR, et al. **Br J Pharmacol** 1984 Mar;81(3):543–50

Developmental time courses of Na and Ca spikes in neuroblastoma X glioma hybrid cells. Furuya K, et al. **Brain Res** 1983 Dec;313(2):229–34

Characteristics of taurine release from cerebral cortex slices induced by sodium–deficient media. Korpi ER, et al. **Brain Res** 1983 Dec 19;289(1–2):197–204

Sodium–dependent calcium efflux from single Aplysia neurons. Satin L. **Brain Res** 1984 May 23;300(2):392–5

Substitution of extracellular sodium ions blocks the voltage–dependent decrease of input conductance evoked by L–aspartate. MacDonald JF. **Can J Physiol Pharmacol** 1984 Jan;62(1):109–15

Kinetics of uptake of glucose in rabbit jejunum: influence of sodium, unstirred layers, and passive permeation. Thomson AB. **Can J Physiol Pharmacol** 1983 Oct; 61(10):1129–37

The renin system for long–term control over vasoconstriction and sodium–volume homeostasis in the spectrum of hypertension: three new frontiers in research. Laragh JH. **Clin Exp Hypertens [A]** 1983;5(7–8):921–39

Transapical Na+ electrochemical potential difference and solute accumulation in Aplysia californica enterocytes. Gerencser GA. **Comp Biochem Physiol [A]** 1984; 78(1):137–40

Sodium–ion dependence of glycine and lysine transport in chicken erythrocytes genetically selected for high and low leucine transport activity. Lerner J, et al. **Comp Biochem Physiol [A]** 1984;78(2):277–8

Effect of vanadate and of removal of extracellular Ca2+ and Na+ on tension development and 45Ca efflux in rat and frog myocardium. Gesser H, et al. **Comp Biochem Physiol [C]** 1983;76(1):199–202

Na+ and Cl– fluxes, and effects of pharmacological agents on the short–circuit current of the isolated rabbit iris–ciliary body. Pesin SR, et al. **Curr Eye Res** 1982–83;2(12):815–27

Na+–dependent, alpha–adrenergic mobilization of intracellular (mitochondrial) Ca2+ in brown adipocytes. Connolly E, et al. **Eur J Biochem** 1984 May 15; 141(1):187–93

The role of Na+ and Ca2+ ions on the action of pancreatic lipase studied with the help of immobilisation techniques. Schandl A, et al. **Eur J Biochem** 1984 May 2;140(3):547–51

Complex action potential waveform recorded from supraoptic and paraventricular neurones of the rat: evidence for sodium and calcium spike components at different membrane sites. Mason WT, et al. **Exp Brain Res** 1984;56(1):135–43

Age influence on D–glucose absorption depending on sodium concentration in the lumen of rat small intestine. Vinardell MP, et al. **Exp Gerontol** 1984;19(2):115–20

Glutamate uptake by cultured rat hepatocytes is mediated by hormonally inducible, sodium–dependent transport systems. Gebhardt R, et al. **FEBS Lett** 1983 Sep 19; 161(2):275–8

Inhibition of Na+–dependent Ca2+ efflux from heart mitochondria by amiloride analogues. Jurkowitz MS, et al. **FEBS Lett** 1983 Oct 17;162(2):262–5

Interaction of sulpiride with human pituitary dopaminergic receptors is sodium dependent. Serri O, et al. **Horm Res** 1984;19(3):153–7

Renin–aldosterone axis in ethanol intoxication during sodium and fluid repletion versus depletion. Nieminen MM. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):552–7

Effects of dietary sodium on sympathetic nervous system control of cardiovascular function. Vollmer RR. **J Auton Pharmacol** 1984 Jun;4(2):133–44 (122 ref.)

Extracellular Na+ and initiation of DNA synthesis: role of intracellular pH and K+. Burns CP, et al. **J Cell Biol** 1984 Mar;98(3):1082–9

Relationship of muscle growth in vitro to sodium pump activity and transmembrane potential. Vandenburgh HH, et al. **J Cell Physiol** 1984 Jun;119(3):283–95

Defect in the sodium–modulated tissue responsiveness to angiotensin II in essential hypertension. Shoback DM, et al. **J Clin Invest** 1983 Dec;72(6):2115–24

Control of Na+ and water absorption across vertebrate 'tight epithelia by adh and aldosterone. Lewis SA. **J Exp Biol** 1983 Sep;106:9–24 (33 ref.)

Na/K/Cl co–transport and its regulation. Palfrey HC, et al. **J Exp Biol** 1983 Sep;106:43–54 (56 ref.)

The sodium and chloride dependence of chloride secretion by the opercular epithelium. Degnan KJ. **J Exp Zool** 1984 Jul;231(1):11–7

Effects of extracellular Ca++, K+, and Na+ on cone and retinal pigment epithelium retinomotor movements in isolated teleost retinas. Dearry A, et al. **J Gen Physiol** 1984 Apr;83(4):589–611

Functional roles of Na+ and H+ in SO2–4 transport by rabbit ileal brush border membrane vesicles. Ahearn GA, et al. **J Membr Biol** 1984;78(3):177–86

Electrogenic Cl– absorption by Amphiuma small intestine: dependence on serosal Na+ from tracer and Cl–microelectrode studies. White JF, et al. **J Membr Biol** 1984; 78(3):223–33

Effect of changes in intra– and extracellular sodium on the inward (anomalous) rectification in salamander photoreceptors. Bader CR, et al. **J Physiol (Lond)** 1984 Feb;347:611–31

Increased sodium conductance in the synaptic region of rat skeletal muscle fibres. Betz WJ, et al. **J Physiol (Lond)** 1984 Jul;352:189–202

The asymmetrical effects of some ionized n–octyl derivatives on the sodium current of the giant axon of Loligo forbesi. Elliott JR, et al. **J Physiol (Lond)** 1984 May;350:429–45

The effects of some inhalation anaesthetics on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:429–39

The action of alcohols and other non–ionic surface active substances on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:411–27

Examination of the role of the electrogenic sodium pump in the adrenaline–induced hyperpolarization of amphibian neurones. Smith PA. **J Physiol (Lond)** 1984 Feb;347:377–95

A proposed membrane model for generation of sodium currents in squid giant axons. Matsumoto G. **J Theor Biol** 1984 Apr 21;107(4):649–66

A comparative study on the contraction induced by high K/Na deficient solution in the trachea, gall bladder and urinary bladder in guinea–pig. Shimizu K, et al. **Jpn J Pharmacol** 1984 Feb;34(2):231–9

Intracellular injection of cyclic–GMP increases sodium conductance in gecko photoreceptors. Kawamura S, et al. **Jpn J Physiol** 1983;33(5):789–800

Effects of Na removal and readmission on the mechanical response in the guinea–pig tracheal smooth muscle. Kawanishi M, et al. **Jpn J Physiol** 1984;34(1):127–39

Sodium ions regulate a specific population of acidic amino acid receptors in synaptic membranes. Fagg GE, et al. **Life Sci** 1984 Apr 30;34(18):1739–45

A hypothesis linking intracellular sodium, membrane receptors, and hypertension. Insel PA, et al. **Life Sci** 1984 Mar 12;34(11):1009–13

Inhibition of voltage–sensitive sodium channels in neuroblastoma cells and synaptosomes by the anticonvulsant drugs diphenylhydantoin and carbamazepine. Willow M, et al. **Mol Pharmacol** 1984 Mar; 25(2):228–34

A reinterpretation of mammalian sodium channel gating based on single channel recording. Aldrich RW, et al. **Nature** 1983 Dec 1–7;306(5942):436–41

Optical recording of action potentials from vertebrate nerve terminals using potentiometric probes provides evidence for sodium and calcium components. Salzberg BM, et al. **Nature** 1983 Nov 3–9;306(5938):36–40

The effects of an in vivo administration of phencyclidine on sodium–dependent high affinity choline uptake in rat hippocampus and striatum in vitro. Haggerty GC, et al. **Neuropharmacology** 1983 Dec;22(12A):1389–95

Intracellular ionic activities in the EDL muscle of the mouse. Donaldson PJ, et al. **Pflugers Arch** 1984 Feb;400(2):166–70

Intravesicular NAD has no effect on sodium–dependent phosphate transport in isolated renal brush border membrane vesicles. Gmaj P, et al. **Pflugers Arch** 1984 Jan; 400(1):60–5

Chloride transport in the thick ascending limb of Henle's loop: potassium dependence and stoichiometry of the NaCl cotransport system in plasma membrane vesicles. Koenig B, et al. **Pflugers Arch** 1983 Nov;399(3):173–9

Development of Na inactivation in motor and sensory myelinated nerve fibres of Rana esculenta. Schwarz JR, et al. **Pflugers Arch** 1983 Jul;398(2):126–9

Demonstration of sodium–dependent, electrogenic substrate transport in rat small intestinal brush border membrane vesicles by a cyanine dye. Stieger B, et al. **Pflugers Arch** 1984 Feb;400(2):178–82

Diminished arterial smooth muscle response to sodium nitroprusside during Na–K pump inhibition. Foley DH. **Pharmacology** 1984;28(2):95–103

Theoretical effect in human heart disease of low–sodium high–potassium diet therapy on intracellular adsorbed sodium and potassium. Sodi–Pollares D. **Physiol Chem Phys** 1982;14(5):439–43

A Model of sodium channel–inactivation based upon the modulated blocker. Edmonds DT. **Proc R Soc Lond [Biol]** 1983 Oct 22;219(1217):423–38

The Croonian Lecture, 1983. Voltage–gated ion channels in the nerve membrane. Keynes RD. **Proc R Soc Lond [Biol]** 1983 Nov 22;220(1218):1–30 (61 ref.)

Essential role of sodium and chloride for theophylline–induced choleresis in the isolated perfused rat liver. Anwer MS, et al. **Proc Soc Exp Biol Med** 1984 May; 176(1):70–6

Sodium–coupled sugar transport: effects on intracellular sodium activities and sodium–pump activity. Hudson RL, et al. **Science** 1984 Jun 15;224(4654):1237–9

Effects of membrane potential on sodium–dependent calcium transport in cardiac sarcolemma vesicles. Hungerford RT, et al. **Soc Gen Physiol Ser** 1984;38:239–51

Sodium–dependent calcium efflux and sodium–dependent current in perfused barnacle muscle single cells. Nelson MT, et al. **Soc Gen Physiol Ser** 1984;38:365–71

Ionic mechanisms of rhythmic firing. Noble D. **Symp Soc Exp Biol** 1983;37:1–28 (122 ref.)

Activation of electrogenic Na–Ca exchange by light in fly photoreceptors. Minke B, et al. **Vision Res** 1984; 24(2):109–15

[Application of the double sucrose gap technique to the study of sodium conductance of false tendons isolated from the rabbit ventricle] Sauviat MP, et al. **C R Seances Acad Sci [III]** 1984;298(11):317–20 (Eng. Abstr.) **(Fre)**

[The role of sodium and potassium in borderline hypertension] Noda H, et al. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1289–98 (Eng. Abstr.) **(Jpn)**

[Cationic regulation of myocardial contraction and relaxation when contraction frequency is increased] Kapel'ko VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(1):26–31 (Eng. Abstr.) **(Rus)**

[Regulation of myocardial contraction: role of Na–Ca–exchange] Nesterenko VV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(1):99–105 (77 ref.) **(Rus)**

[Na–Ca–exchange as a mechanism regulating spontaneous

contractions of isolated individual cardiomyocytes] Undrovinas AI, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1984;7(1):17–26 (Eng. Abstr.) **(Rus)**

POISONING

Sodium intoxication caused by use of baking soda as a home remedy [letter] **Can Med Assoc J** 1983 Oct 1;129(7):684–5
Toxicosis in cattle from contaminated well water. Hibbs CM, et al. **Vet Hum Toxicol** 1983 Aug;25(4):253–4

SECRETION

Stimulation of electrolyte secretion in rabbit colon by adenosine. Grasl M, et al. **J Physiol (Lond)** 1984 Jan; 346:93–110
Role of sodium, bicarbonate, and plasma osmolality in biliary secretion. Mathisen O, et al. **Scand J Gastroenterol** 1983 Sep;18(6):825–32

THERAPEUTIC USE

[Effectiveness of balneotherapy of periodontosis with sodium–hydrocarbonated water (according to the rheoperiodontographic data)] Abdullaev GG.
Vopr Kurortol Fizioter Lech Fiz Kult 1984 Mar–Apr; (2):66–7 **(Rus)**

TOXICITY

Study on the toxicity of sodium bromide to different freshwater organisms. Canton JH, et al.
Food Chem Toxicol 1983 Aug;21(4):369–78
Effects of bromide on behaviour of mice. Hansen K, et al. **Food Chem Toxicol** 1983 Aug;21(4):405–8
A 6–month dietary toxicity study of acidic sodium aluminium phosphate in beagle dogs. Katz AC, et al.
Food Chem Toxicol 1984 Jan;22(1):7–9
Effect of sodium bromide on endocrine parameters in the rat as studied by immunocytochemistry and radioimmunoassay. Loeber JG, et al.
Food Chem Toxicol 1983 Aug;21(4):391–404
The influence of sodium bromide in man: a study in human volunteers with special emphasis on the endocrine and the central nervous system. Sangster B, et al.
Food Chem Toxicol 1983 Aug;21(4):409–19
Toxicity of sodium bromide in rats: effects on endocrine system and reproduction. van Leeuwen FX, et al.
Food Chem Toxicol 1983 Aug;21(4):383–9

URINE

Blood pressure distribution and electrolytes excretion in a sample of the Nepalese population. Berghmans L, et al.
Acta Cardiol (Brux) 1984;39(1):1–7
Contraceptive pill use, urinary sodium and blood pressure. A population study in two Belgian towns. Staessen J, et al. **Acta Cardiol (Brux)** 1984;39(1):55–64
CNS–induced natriuresis and renal hemodynamics in conscious rats. Beasley D, et al. **Am J Physiol** 1983 Dec; 245(6):F763–71
Renal nerves and cation excretion after acute reduction in functioning renal mass in the rat. Ribstein J, et al.
Am J Physiol 1984 Mar;246(3 Pt 2):F260–5
Low fractional excretion of sodium. Occurrence with hemoglobinuric– and myoglobinuric–induced acute renal failure. Corwin HL, et al. **Arch Intern Med** 1984 May; 144(5):981–2
The influence of age on renal and extrarenal effects of frusemide. Andreasen F, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):65–74
Patterns of urine flow and electrolyte excretion in healthy elderly people. Kirkland JL, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1665–7
Relationship between salt excretion and blood pressure in various regions of China. Liu LS, et al. **Bull WHO** 1984; 62(2):255–60
The effects of familial relationships, age, body weight, and diet on blood pressure and the 24 hour urinary excretion of sodium, potassium, and creatinine in men, women, and children of randomly selected families. Connor SL, et al. **Circulation** 1984 Jul;70(1):76–85
Renal handling of sodium and calcium in hypercalciuria. Nascimento L, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):342–7
Sodium and dopamine in urine [letter] Güllner HG.
Clin Sci 1984 Jun;66(6):751
Differential effect of salt loading on sodium and lithium excretion in Dahl salt–resistant and –sensitive rats. Roos JC, et al. **Hypertension** 1984 May–Jun;6(3):420–4
Endocrine control of salt and water excretion: the role of vasopressin in DOCA–salt hypertension. Hofbauer KG, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S184–91
Dogs with experimental cirrhosis of the liver but without intrahepatic hypertension do not retain sodium or form ascites. Unikowsky B, et al. **J Clin Invest** 1983 Nov; 72(5):1594–604
Blood pressure and urinary sodium in black American adolescents. Hill RM, et al. **J Natl Med Assoc** 1984 Jun; 76(6):579–85
Relationship between urinary sodium and potassium, and arterial blood pressure: an epidemiologic study. Miller GD.
J Natl Med Assoc 1984 Jan;76(1):47–52
Predictive value of fractional excretion of filtered sodium for hypertension in acute post–streptococcal glomerulonephritis. Mota–Hernandez F, et al. **J Pediatr** 1984 Apr;104(4):560–3
Small cell lung carcinoma with ectopic adrenocorticotropic hormone and antidiuretic hormone syndromes: a case report. Suzuki H, et al. **Jpn J Clin Oncol** 1984 Mar; 14(1):129–37
The role of the adrenergic nervous system in sodium and water excretion. Güllner HG. **Klin Wochenschr** 1983 Nov 2;61(21):1063–6
Systemic vasodilatation and renal sodium excretion: effects of hydralazine and diazoxide. Green TP. **Life Sci** 1984 May 28;34(22):2169–76
Influence of urinary sodium on calcium excretion in normal individuals. A redefinition of hypercalciuria. Sabto J, et al. **Med J Aust** 1984 Mar 17;140(6):354–6
Lack of effect of captopril on the sodium retention of the nephrotic syndrome. Brown EA, et al. **Nephron** 1984; 37(1):43–8
The FENa test is of no prognostic value in acute renal failure. Pru C, et al. **Nephron** 1984;36(1):20–3
Lithium clearance: a new method for determining proximal and distal tubular reabsorption of sodium and water. Thomsen K. **Nephron** 1984;37(4):217–23 (32 ref.)
Intravenous indomethacin and changes of renal function in premature infants with patent ductus arteriosus. John EG, et al. **Pediatr Pharmacol (New York)** 1984;4(1):11–9
Effect of tobramycin on fractional sodium excretion in neonates. Rothberg AD, et al.
Pediatr Pharmacol (New York) 1984;4(1):49–52
Estimation of dietary sodium intake in children. Luft FC, et al. **Pediatrics** 1984 Mar;73(3):318–23
Vasoactive factors in the mechanism of renal sodium handling in cirrhotics: the effect of acute plasma expansion. Laffi G, et al. **Pharmacol Res Commun** 1984 Jun; 16(6):613–35
Effects of the application of alpha 1– and alpha 2–adrenoceptor agonists and antagonists into the ventromedial hypothalamus on the sodium and potassium renal excretion. Saad WA, et al. **Pharmacology** 1984; 28(4):228–34
[Urinary sodium and aldosterone excretion in normal subjects in various time periods and their relationship to 24 hour total excretions] Ding JF.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1983 Jun; 5(3):193–5 (Eng. Abstr.) **(Chi)**
[Study on renin–angiotensin–aldosterone system. II. Changes of plasma renin activity, plasma aldosterone concentration and urinary sodium excretion in the hypertensives] Kawamata A. **Nippon Jinzo Gakkai Shi** 1984 Feb; 26(2):233–42 (Eng. Abstr.) **(Jpn)**
[Study on renin–angiotensin–aldosterone system. I. Changes of plasma renin activity, plasma aldosterone concentration and urinary sodium excretion in normotensive subjects] Kawamata A. **Nippon Jinzo Gakkai Shi** 1984 Feb; 26(2):221–32 (Eng. Abstr.) **(Jpn)**
[Relation between blood pressure and urinary excretion of sodium in normal young subjects] Fuchs FD, et al.
Arq Bras Cardiol 1983 Sep;41(3):185–7 (Eng. Abstr.) **(Por)**
[Dispersion method for determining recurrence of circadian curves of excretion of urine, sodium and potassium] Aslanian NL, et al. **Lab Delo** 1984;(1):49–50 (Eng. Abstr.) **(Rus)**
[Acute renal failure with low fractional excretion of sodium] Martínez Castelao A, et al. **Med Clin (Barc)** 1984 Jan 28; 82(3):102–5 (Eng. Abstr.) **(Spa)**

SODIUM CEPHALOTHIN see **CEPHALOTHIN**

SODIUM CHANNELS see **ION CHANNELS**

SODIUM CHLORIDE

see related
DIET, SODIUM–RESTRICTED

Reduction of the sucrose–saline interdiffusion in the sucrose gap technique by controlled compression of the extracellular space in myocardial preparations. Cleemann L, et al. **Acta Physiol Scand** 1984 Mar;120(3):417–27
Sodium appetite during captopril blockade of endogenous angiotensin II formation. Moe KE, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R356–65
A robust, brief measure of an individual's most preferred level of salt in an ordinary foodstuff. Booth DA, et al.
Appetite 1983 Dec;4(4):301–12
Sodium depletion enhances salt palatability in rats. Berridge KC, et al. **Behav Neurosci** 1984 Aug;98(4):652–60
Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: II. Synergistic interaction with systemic mineralocorticoids. Fluharty SJ, et al.
Behav Neurosci 1983 Oct;97(5):746–58
Sodium appetite elicited by intracerebroventricular infusion of angiotensin II in the rat: I. Relation to urinary sodium excretion. Fluharty SJ, et al. **Behav Neurosci** 1983 Oct; 97(5):738–45
Salt hunger in the rhesus monkey. Schulkin J, et al.
Behav Neurosci 1984 Aug;98(4):753–6
Thirst and sodium appetite after colloid treatment in rats: role of the renin–angiotensin–aldosterone system. Stricker EM. **Behav Neurosci** 1983 Oct;97(5):725–37
Multiple factors in the satiation of salt appetite. Wolf G, et al. **Behav Neurosci** 1984 Aug;98(4):661–73
XPS analysis of 316 LVM corroded in serum and saline. Merritt K, et al. **Biomater Med Devices Artif Organs** 1983; 11(1):115–24
The effects of alkali–metal chlorides and of spermidine and spermine on the swelling pressures of DNA gels in the ultracentrifuge. Richard AJ. **Biopolymers** 1984 Jul; 23(7):1307–13
Use of Adsol preservation solution for prolonged storage of low viscosity AS–1 red blood cells. Heaton A, et al.
Br J Haematol 1984 Jul;57(3):467–78
Mechanism of the water response in carp gustatory receptors: independent generation of the water response from the salt response. Yoshii K, et al. **Brain Res** 1983 Nov 21; 279(1–2):185–91
The time–dependent behaviour of hematoporphyrin–derivative in saline: a study of spectral modifications. Bottiroli G, et al. **Chem Biol Interact** 1984 Apr;49(1–2):1–11
Use of inorganic salts to minimize serum interference in a sandwich enzyme immunoassay for human growth hormone using Fab'–horseradish peroxidase conjugate. Hashida S, et al. **Clin Chim Acta** 1983 Dec 30;135(3):263–73
Red cell volume in glycerol/sodium chloride/water mixtures. Pegg DE. **Cryobiology** 1984 Apr;21(2):234–9
The influence of age and experience on salt preference of the rat. Midkiff EE, et al. **Dev Psychobiol** 1983 Sep; 16(5):385–94
Contamination of irrigation solutions in an operating theatre. Andersson BM, et al. **Infect Control** 1984 Jul;5(7):339–41
Taste responses to saltiness of experimentally prepared tomato juice samples. Little AC, et al.
J Am Diet Assoc 1984 Sep;84(9):1022–7
A continuum theory and an experiment for the ion–induced swelling behavior of articular cartilage. Myers ER, et al.
J Biomech Eng 1984 May;106(2):151–8
Salt taste and hypertension: a critical review of the literature. Mattes RD. **J Chronic Dis** 1984;37(3):195–208 (110 ref.)
Salabrasion [letter] Saal B. **J Dermatol Surg Oncol** 1984 Jul; 10(7):506
Focal salabrasion for removal of linear tattoos. Shelley WB, et al. **J Dermatol Surg Oncol** 1984 Mar;10(3):216–8
Interaction of chromatin with NaCl and MgCl2. Solubility and binding studies, transition to and characterization of the higher–order structure. Ausio J, et al. **J Mol Biol** 1984 Aug 15;177(3):373–98
Agonist and antagonist effects of prototype opiate drugs in rats discriminating fentanyl from saline: characteristics of partial generalization. Colpaert FC, et al.
J Pharmacol Exp Ther 1984 Jul;230(1):193–9
Growth and potential pathogens in denture–soaking solution of myelosuppressed cancer patients. DePaola LG, et al.
J Prosthet Dent 1984 Apr;51(4):554–8
Prediction of semirigid penile prosthesis diameter from saline erection. Barry JM. **J Urol** 1984 Feb;131(2):281
Leads from the MMWR. Pseudomonas pickettii colonization associated with contaminated respiratory therapy solution.
JAMA 1983 Oct 21;250(15):1958
Salt in the Australian diet [letter] de Souza D.
Med J Aust 1984 Jun 23;140(13):796
Local anesthetic effect of intrathecal normal saline [letter] Urban BJ, et al. **Pain** 1984 Feb;18(2):209–12
Blood volume changes and arginine vasotocin (AVT) blood concentration in conscious fresh water and salt water adapted ducks. Simon–Oppermann C, et al.
Pflugers Arch 1984 Feb;400(2):151–9
Capsular contracture in silicone gel and saline–filled breast implants after reconstruction. Asplund O.
Plast Reconstr Surg 1984 Feb;73(2):270–5
[Acute experimental hypertension caused by chemical stimulation of muscular receptors] Tallarida G, et al.
Boll Soc Ital Cardiol 1983 Aug;28(8):661–78 (Eng. Abstr.) **(Ita)**
[Phase transition in a native collagen in the presence of salts] Glukhikh LK, et al. **Biofizika** 1984 Jan–Feb;29(1):49–52 (Eng. Abstr.) **(Rus)**
[Isolation of a moderately halophilic bacterium from Salt Lake, Turkey] Aksöz N, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):107–13 (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

Vaginal cleansing at vacuum aspiration abortion does not reduce the risk of postoperative infection. Lundh C, et al.
Acta Obstet Gynecol Scand 1983;62(3):275–7
Humoral factors involved in the regulation of sodium–fluid balance in normal man. I. Effect of dietary sodium chloride intake on renal prostaglandins, vasopressin and renin–angiotensin–aldosterone system. Somova L, et al.
Acta Physiol Pharmacol Bulg 1984;10(1):21–8
Saline amnioinfusion to relieve variable or prolonged decelerations [letter] Birenbaum HJ.
Am J Obstet Gynecol 1984 Apr 15;148(8):1156–7
Saline amnioinfusion to relieve variable or prolonged decelerations [letter] Goodlin R. **Am J Obstet Gynecol** 1984 Mar 15;148(6):836–7
Breathing pattern alterations with aerosolized buffered saline—effects of topical airway anesthesia. Chadha T, et al. **Ann Allergy** 1984 Sep;53(3):226–30
The effect of intraperitoneal fluid on the prevention of small intestinal obstruction after appendicectomy. Preliminary results. Arnbjörnsson E, et al. **Ann Chir Gynaecol** 1983; 72(5):250–2

The direct perfusion of surgical wounds with local anaesthetic solution: an approach to postoperative pain [letter] Fry EN. **Ann R Coll Surg Engl** 1984 May;66(3):220

Blood volume responses in partially dehydrated subjects working in the cold. Tappan DV, et al. **Aviat Space Environ Med** 1984 Apr;55(4):296–301

Dietary salt and doca-salt treatments modify ethanol self-selection in rats. Grupp LA, et al. **Behav Neural Biol** 1984 Mar;40(2):239–50

Postnatal development of plasma prolactin level in premature infants with and without NaCl supplementation. Ertl T, et al. **Biol Neonate** 1983;44(4):219–23

Transtracheal injection of saline in the investigation of pneumonia. Macfarlane JT, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):974–5

Stress, ACTH, salt intake and high blood pressure. Denton DA, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):403–15 (26 ref.)

Stress and high sodium effects on blood pressure and brain catecholamines in spontaneously hypertensive rats. Ely DL, et al. **Clin Exp Hypertens [A]** 1983;5(9):1559–87

Hypothesis: discrepancy between intra- and interpopulation studies of the relationship between dietary salt and blood pressure: fact or fiction? Omvik P. **Clin Exp Hypertens [A]** 1984;6(4):897–903

Failure of captopril to lower blood pressure in spontaneously hypertensive rats offered water and saline to drink. DiNicolantonio R. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):269–72

A paradoxical fall in urine dopamine output when patients with essential hypertension are given added dietary salt. Harvey JN, et al. **Clin Sci** 1984 Jul;67(1):83–8

Thyroid and adrenal responses of ducks (Anas platyrhynchos) during saline adaptation. Harvey S, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):46–53

Patterns of week-to-week table-salt use by men and women consuming constant diets. Kumanyika SK, et al. **Hum Nutr Appl Nutr** 1983 Oct;37(5):348–56

Hemodynamic mechanisms of adaptation to chronic high sodium intake in normal humans. Sullivan JM, et al. **Hypertension** 1983 Nov–Dec;5(6):814–20

A potential infection hazard associated with the use of disposable saline vials. Rutala WA, et al. **Infect Control** 1984 Apr;5(4):170–2

Plasma norepinephrine levels of elderly men on a controlled sodium intake diet. Fiorica V. **J Am Geriatr Soc** 1984 Aug; 32(8):576–80

Pleural liquid pressure gradients and intrapleural distribution of injected bolus. Miserocchi G, et al. **J Appl Physiol** 1984 Feb;56(2):526–32

Restricted dietary chloride with sodium bicarbonate supplementation for Holstein cows in early lactation. Fettman MJ, et al. **J Dairy Sci** 1984 Jul;67(7):1457–67

Studies in the use of the intraperitoneal route for parenteral nutrition in the rat. LeLeiko NS, et al. **JPEN** 1983 Jul–Aug; 7(4):381–4

Acceptability in food of NaCl/KCl mixture [letter] Neyses L, et al. **Lancet** 1983 Dec 17;2(8364):1427–8

Sodium chloride, alcohol, and cancer of the digestive tract. Tuyns AJ. **Nutr Cancer** 1983;5(2):92–5

Enhancement of sodium excretion by substance P during saline loading in the canine puppy. Fildes RD, et al. **Pediatr Res** 1983 Sep;17(9):737–41

The chloride requirement of the broiler breeder hen. Harms RH, et al. **Poult Sci** 1984 Apr;63(4):835–7

Interrelationship between sodium chloride, sodium bicarbonate, calcium, and phosphorus in laying hen diets. Junqueira OM, et al. **Poult Sci** 1984 Jan;63(1):123–30

Sodium chloride supplementation of all plant protein broiler diets. March BE. **Poult Sci** 1984 Apr;63(4):703–5

Effect of dietary sodium chloride, protein, and strain difference upon water consumption and fecal moisture content of broiler breeder males. Ogunji PA, et al. **Poult Sci** 1983 Dec;62(12):2497–500

Relationship between sodium intake, proximal tubular function and calcium excretion in normal subjects and in idiopathic hypercalciuria. Colussi G, et al. **Proc Eur Dial Transplant Assoc** 1983;20:455–9

Expression of plasma renin activity in terms of urinary sodium excretion and posture in normal subjects on free sodium intake. Wolf JP, et al. **Renal Physiol** 1984; 7(4):237–42

Interaction of naloxone and sodium chloride intake on body weight gain in WKY and SHR rats. Hahn EF. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):339–45

Practical aspects of salt fluoridation. Marthaler T. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Dec; 93(12):1197–214

The role of concentrated sodium solutions in the resuscitation of patients with severe burns. Monafo WW, et al. **Surgery** 1984 Feb;95(2):129–35

The treatment of leg varicose veins with hypertonic saline—heparin injections. Chou FF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):206–10

Protein and colloid osmotic pressure changes with albumin and/or saline replacement during plasma exchange. Lasky LC, et al. **Transfusion** 1984 May–Jun;24(3):256–9

[Comparison of glycosaminoglycan polysulfate (Arteparon) and physiological saline solution in arthrosis of the large joints. Results of a multicenter double-blind study] Siegmeth W, et al. **Z Rheumatol** 1983 Jul–Aug;42(4):223–8 (Eng. Abstr.) (Ger)

[Salt-responder and non-responder] Fujita T. **Nippon Rinsho** 1984 Feb;42(2):447–54 (Jpn)

[Cholinergic aspects of the peripheral regulation of water and salt solution intake] Salei AP. **Fiziol Zh SSSR** 1984 Apr;70(4):487–91 (Eng. Abstr.) (Rus)

[Effects of a synthetic antihypoxant of the gutimine group on the terminal circulation and oxygen homeostasis during infusion therapy of burn shock in experimental animals] Kochetygov NI, et al. **Gematol Transfuziol** 1984 Jan; 29(1):49–52 (Eng. Abstr.) (Rus)

[Results of various experimental studies of humic acid electrophoresis] Glazkova LP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):21–4 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Hypernatremia after hypertonic saline irrigation of an hepatic hydatid cyst [letter] Gage TP, et al. **Ann Intern Med** 1984 Sep;101(3):405

Blood pressure and intra-erythrocyte sodium during normal and high salt intake in middle-aged men: relationship to family history of hypertension, and neurogenic and hormonal variables. Gudmundsson O, et al. **Clin Sci** 1984 Apr;66(4):427–33

Characteristics of the association between salt intake and blood pressure in a sample of male working population in southern Italy. Strazzullo P, et al. **Eur Heart J** 1983 Sep;4(9):608–13

Severe allergic reaction to saline preserved with thimerosal. Zadnik K. **J Am Optom Assoc** 1984 Jul;55(7):507–9

Salt and hypertension. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S1–278

Salt and hypertension: current data, attitudes, and policies. Simpson FO. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S4–9 (36 ref.)

Salt and hypertension: discussion paper. Finn R. **J R Soc Med** 1983 Oct;76(10):853–8

Salt and hypertension [letter] **Lancet** 1984 Sep 15;2(8403):634

Salt and hypertension [letter] **Lancet** 1984 Sep 22; 2(8404):688–9

Salt in the Australian diet. The need for further food-composition research. Baghurst K. **Med J Aust** 1984 Apr 14;140(8):454–5

[Cardiovascular diseases and nutrition] Minami S, et al. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):337–42 (Jpn)

[Salt excess in infant nutrition: clinical, physiopathological and therapeutic implications] Lupu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Jan–Mar; 33(1):91–6 (Eng. Abstr.) (Rum)

ANALYSIS

Direct potentiometric determination of sodium ion in blood. I. Potentiometric response in simple sodium chloride solutions. Bijster P, et al. **Clin Chem** 1984 Jan;30(1):6–10

Sodium and potassium contents of salts, salt substitutes, and other seasonings. Greenfield H, et al. **Med J Aust** 1984 Apr 14;140(8):460–2

Preparation of sugar-salt solutions. de Zoysa I, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):260–2

Determination of salt in potato chips. Beernaert HA, et al. **Z Lebensm Unters Forsch** 1984;178(1):27–30

[Determination of sodium chloride in preserving brines using ion selective electrodes] Steinhauser L, et al. **Vet Med (Praha)** 1983 Nov;28(11):693–8 (Eng. Abstr.) (Cze)

[Insoluble contaminants in large-volume parenteral solutions. III. Effect of drug containers and sterilization] Pawlaczyk J, et al. **Acta Pol Pharm** 1983;40(2):199–206 (Eng. Abstr.) (Pol)

[Harmful elements in various types of Polish kitchen salt] Wojciechowska-Mazurek M. **Rocz Panstw Zaki Hig** 1983; 34(2):165–70 (Eng. Abstr.) (Pol)

[Determination of chloride ions in microbiological nutrient media] Shliakhov EN, et al. **Lab Delo** 1984;(5):319–20 (Rus)

DEFICIENCY

Inner medullary hemodynamics in chronic salt-depleted dogs. Chou SY, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F146–54

DIAGNOSTIC USE

An exaggerated natriuretic response to hypertonic saline infusion in the stage II (who stage classification) essential hypertensive patients. Kokubu T, et al. **Clin Exp Hypertens [A]** 1984;6(3):731–42

Hemodynamic and endocrine changes associated with potassium supplementation in sodium-loaded hypertensives. Fujita T, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):184–92

Carbamazepine diminishes the sensitivity of the plasma arginine vasopressin response to osmotic stimulation. Gold PW, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):952–7

[Features of vascular reactivity, sodium metabolism and its humoral regulation in healthy subjects with a family history of hypertension] Merzhievskaia VM, et al. **Kardiologiia** 1984 May;24(5):88–92 (Eng. Abstr.) (Rus)

[Use of the hypertonic saline serum test and vasopressin determination for the differential diagnosis of diabetes insipidus] Martínez Vea A, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):54–7 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[Effect of control solutions on the bronchial system in bronchial provocation tests. A preliminary experimental study] Stresemann E, et al. **Prax Klin Pneumol** 1983 Dec; 37(12):1211–6 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

[Purification of a protein solution of sodium chloride by dialysis] Aksenova SI, et al. **Sud Med Ekspert** 1983 Jul–Sep; 26(3):51 (Rus)

METABOLISM

Effects of plasma volume expansion on renal salt handling in patients with the nephrotic syndrome. Koomans HA, et al. **Am J Nephrol** 1984;4(4):227–34

Volume expansion modulates NaHCO3 and NaCl transport in the proximal tubule and Henle's loop. Bichara M, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F140–50

Dihydroxy bile salt-induced alterations in NaCl transport across the rabbit colon. Freel RW, et al. **Am J Physiol** 1983 Dec;245(6):G808–15

Control of NaCl transport in the thick ascending limb. Hebert SC, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F745–56 (75 ref.)

Sensitivity of cAMP-stimulated salt secretion in shark rectal gland to 'loop' diuretics. Palfrey HC, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C242–6

Suppression of coupled Na–Cl absorption by aldosterone and dexamethasone in rat distal colon in vitro. Perrone RD, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F785–93

Saline acclimation and water and sodium transport across avian small intestine. Roberts JR, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R246–9

Estimation of sodium chloride diffusion coefficient in gastric mucin. Lucas ML. **Dig Dis Sci** 1984 Apr;29(4):336–45

Sodium absorption with bacterial fatty acids and bile salts in the proximal and distal colon as a guide to colonic resection. Roediger WE, et al. **Dis Colon Rectum** 1984 Jan; 27(1):1–5

Salt loss in hypertensive form of congenital adrenal hyperplasia (11-beta-hydroxylase deficiency). Zadik Z, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):384–7

Evidence for neutral transcellular NaCl transport and neutral basolateral chloride exit in the rabbit proximal convoluted tubule. Baum M, et al. **J Clin Invest** 1984 Jul;74(1):205–11

In vivo evidence of impaired solute transport by the thick ascending limb in potassium-depleted rats. Gutsche HU, et al. **J Clin Invest** 1984 Apr;73(4):908–16

Sodium chloride absorption by the urinary bladder of the winter flounder. A thiazide-sensitive, electrically neutral transport system. Stokes JB. **J Clin Invest** 1984 Jul; 74(1):7–16

Mechanism and control of hyperosmotic NaCl-rich secretion by the rectal gland of Squalus acanthias. Epstein FH, et al. **J Exp Biol** 1983 Sep;106:25–41 (42 ref.)

Increased sodium appetite and polydipsia induced by partial aortic occlusion in the rat. Costales M, et al. **J Physiol (Lond)** 1984 Jul;352:467–81

Mechanism, regulation and physiological significance of the loop diuretic-sensitive NaCl/KCl symport system in animal cells. Saier MH Jr, et al. **Mol Cell Biochem** 1984; 59(1–2):11–32 (70 ref.)

Basolateral KCl co-transport in a NaCl-absorbing epithelium. Reuss L. **Nature** 1983 Oct 20–26; 305(5936):723–6

[Determination of the volume of mobile and total extracellular fluid using a single indicator in grave surgical patients] Lin'kov VA, et al. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):14–6 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Antidiuretic hormone response to osmotic stimulus under fentanyl anaesthesia. Ecoffey C, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):245–8

Intra-operative saline irrigation of the peritoneal cavity in experimental post-traumatic peritonitis. Nyström PO, et al. **Acta Chir Scand** 1983;149(5):509–15

Changes of water and electrolyte metabolism in ruminants after water deprivation and NaCl load. Szegedi B, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):183–8

Cation exchange—a common mechanism in the storage and release of biogenic amines stored in granules (vesicles)? II. Comparative studies on sodium-induced release of biogenic amines from the synthetic weak cation-exchangers Amberlite IRC-50 and duolite CS-100 and from biogenic (granule-enriched) materials. Uvnäs B, et al. **Acta Physiol Scand** 1984 Jan;120(1):87–97

Variability in blood pressure response to dietary sodium intake among African green monkeys (Cercopithecus aethiops). Srinivasan SR, et al. **Am J Clin Nutr** 1984 May; 39(5):792–6

Prostaglandin F2 alpha, oxytocin, and uterine activation in hypertonic saline-induced abortions. Fuchs AR, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):27–32

Effect of hypertonic saline on vascular responses to angiotensin II in pregnancy. Matsuura S, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):231–40

Renal response of fowl to hypertonic saline infusion into the renal portal system. Bailey JR, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R624–32

Neurohormonal characteristics of cardiovascular response due to intraventricular hypertonic NaCl. Kawano Y, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H422–8

Pressure natriuresis during saline expansion in newborn and adult dogs. Kleinman LI, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):F828–34

Effects of saline infusion on titratable acid generation and ammonia secretion. Wilcox CS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F506–19

Changes in local venous tone in response to infusions of saline and dextrose solutions. Lewis GB, et al. **Anaesth Intensive Care** 1984 Feb;12(1):27–32

Immunohistochemical localization of luteinizing hormone-releasing hormone (LHRH) in the hypothalamus of adult female hamsters treated neonatally with monosodium glutamate or hypertonic saline. Lamperti AA, et al. **Anat Rec** 1984 May;209(1):131–41

Differential effects of hypoosmotic hyponatric swelling on A and C fibers. Schimek F, et al. **Anesthesiology** 1984 Mar; 60(3):198–204

Mechanism of bronchoconstrictive effects of aerosolized buffered saline in asthmatics. Chadha TS, et al. **Ann Allergy** 1984 Jul;53(1):35–8

Interactions of stress, salt, and blood pressure. Anderson DE. **Annu Rev Physiol** 1984;46:143–53 (78 ref.)

Proline transport increases growth efficiency in salt-stressed Streptomyces griseus. Killham K, et al. **Appl Environ Microbiol** 1984 Jul;48(1):239–41

Quantitation of pH- and salt-tolerant subpopulations from Clostridium botulinum. Montville TJ. **Appl Environ Microbiol** 1984 Jan;47(1):28–30

Mechanism of the increased cardiac Ca2+ uptake induced by isoprenaline in DOCA-salt pretreated rats. Günther T, et al. **Arzneimittelforsch** 1984;34(1):26–9

NaCl induced ornithine decarboxylase and DNA synthesis in rat stomach mucosa. Furihata C, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):1027–32

Effects of NaCl and GTP on the inhibition of platelet adenylate cyclase by 1-O-octadecyl-2-O-acetyl-sn-glycer;l-3-phosphorylcho (synthetic platelet-activating factor). Williams KA, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):216–23

Modification by anisotonic treatment of repair and fixation of radiation damage in cell killing and transformation. Raaphorst GP, et al. **Br J Cancer [Suppl]** 1984;6:239–42

Venous pressures in the isolated upper limb during saline injection. Finegan BA, et al. **Can Anaesth Soc J** 1984 Jul; 31(4):364–7

Effects of NaCl on the uptake of alpha-[14C]aminoisobutyric acid by the halotolerant bacterium Halomonas elongata. Martin EL, et al. **Can J Microbiol** 1983 Oct;29(10):1424–9

Pharmacological studies of smooth muscle from Dahl salt-sensitive and salt-resistant rats. Laher I, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):101–4

Stability of dopamine in an in vitro incubation system using Medium 199. Marien MR, et al. **Can J Physiol Pharmacol** 1984 May;62(5):600–3

Increased sensitivity to norepinephrine cardiac arrhythmias in the deoxycorticosterone acetate high salt rat before the onset of hypertension. Rabkin SW, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):605–9

Differential sensitivity of Dahl salt-sensitive and Dahl salt-resistant rats to the hypotensive action of acute nifedipine administration. Sharma JN, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):241–3

Sodium susceptibility and potassium effects in young patients with borderline hypertension. Fujita T, et al. **Circulation** 1984 Mar;69(3):468–76

Venous responses to salt loading in hypertensive subjects. Takeshita A, et al. **Circulation** 1984 Jan;69(1):50–6

Effect of saline incubation on red cell content of glucosylated haemoglobins studied by iso-electric focusing. Mortensen HB, et al. **Clin Chim Acta** 1983 Aug 15;132(2):213–7

Modulation of renal baroreceptor function by catecholamines and salt intake in the conscious dog. Barger AC, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):287–98

Inhibition of guinea-pig renal [Na + K]-ATPase by normotensive human plasma: effects of a high sodium diet. Wellard RM, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):261–4

Intracerebroventricular infusion of sodium chloride-rich artificial cerebrospinal fluid in rats induces natriuresis and releases an inhibitor of prostaglandin synthesis. Diez J, et al. **Clin Sci** 1984 May;66(5):621–4

Influence of temperature, environmental salinity and fasting on the patterns of fatty acids synthesized by gills and liver of the european eel (Anguilla anguilla). Hansen HJ, et al. **Comp Biochem Physiol [B]** 1983;75(4):581–7

Plasma vasopressin levels after infusions of hypertonic saline solutions into the renal, portal, carotid, or systemic circulation in conscious dogs. Liard JF, et al. **Endocrinology** 1984 Mar;114(3):986–91

Surface morphology of the subfornical organ: effects of low and high sodium chloride diet. Gomez RE, et al. **Experientia** 1984 May 15;40(5):492–4

Conformational flexibility of poly (dG-m5dC) under very low salt conditions. Narasimhan V, et al. **Experientia** 1984 Aug 15;40(8):827–8

Effects of proteolysis on the actions of monovalent cations and 1-O-octadecyl-2-O-acetyl-sn-glyceryl-3-phosphorylcho on platelet adenylate cyclase. Williams KA, et al. **FEBS Lett** 1984 Jan 23;166(1):13–8

Mechanisms of the impaired diuretic and natriuretic responses to a sustained and moderate saline infusion in rats with experimental cirrhosis. López-Novoa JM, et al. **Hepatology** 1984 May–Jun;4(3):419–23

Increased plasma norepinephrine in young patients with essential hypertension under three sodium intakes. Masuo K, et al. **Hypertension** 1984 May–Jun;6(3):315–21

Cardiac hypertrophy and performance of Dahl hypertensive rats on graded salt diets. Pfeffer MA, et al. **Hypertension** 1984 Jul–Aug;6(4):475–81

Pressor hyperresponsiveness in saline-infused rabbits. Sakamaki T, et al. **Hypertension** 1984 Jul–Aug;6(4):503–10

Salt sensitivity in humans is linked to enhanced sympathetic responsiveness and to enhanced proximal tubular reabsorption. Skrabal F, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):152–8

Influence of extracellular ions on cardiotonic effects of BDPU [1-(butyl-3 (1-(6,7 dimethoxyquinazoline 4-yl) piperidine 4-yl) urea)] Patel VG, et al. **Indian J Exp Biol** 1983 Aug;21(8):448–50

Influence of sodium intake on thermogenesis and brown adipose tissue in the rat. Bryant KR, et al. **Int J Obes** 1984; 8(3):221–31

The influence of salinity on the cercariae of three species of Schistosoma. Donnelly FA, et al. **Int J Parasitol** 1984 Feb;14(1):13–21

The influence of salinity on the ova and miracidia of three species of Schistosoma. Donnelly FA, et al. **Int J Parasitol** 1984 Apr;14(2):113–20

The influence of salinity on certain aspects of the biology of Bulinus (Physopsis) africanus. Donnelly FA, et al. **Int J Parasitol** 1983 Dec;13(6):539–45

Effects of subretinal and systemic osmolality on the rate of subretinal fluid resorption. Negi A, et al. **Invest Ophthalmol Vis Sci** 1984 May;25(5):616–20

A pilot investigation into the effect of a shot-term restriction in sodium intake on blood pressure, sodium chloride taste threshold and the problems associated with such a dietary restriction. McLaughlin B, et al. **Ir J Med Sci** 1983 Nov; 152(11):399–403

Quaternary heterocyclylamino beta-lactams. III. The mode of action of L-640,876 and the effect of NaCl on membrane permeability and binding. Koupal LR, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):54–63

Effect of sodium chloride and potassium chloride on growth response of yeasts Saccharomyces uvarum and Kloeckera brevis to free vitamin B6. Guilarte TR **J Assoc Off Anal Chem** 1984 May–Jun;67(3):617–20

A steady state kinetic analysis of the reaction of chloroperoxidase with peracetic acid, chloride, and 2-chlorodimedone. Lambeir AM, et al. **J Biol Chem** 1983 Nov 25;258(22):13558–63

Influence of ionic environment of the stress relaxation behavior of an invertebrate connective tissue. Greenberg AR, et al. **J Biomech** 1984;17(3):161–6

Effect of alteration in sodium chloride intake on blood pressure of normotensive subjects. Myers JB, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S204–9

Salt and blood pressure in various populations. Poulter N, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S197–203

Pressor responses to intracisternal injection of hypertonic NaCl in rats. Sasaki S, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):349–54

Inherited salt sensitivity in normotensive humans as a cause of essential hypertension: a new concept. Skrabal F, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S215–23

Calcium and cardioplegia. The optimal calcium content for the St. Thomas' Hospital cardioplegic solution. Yamamoto F, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):908–12

Effects of high salt intake on hemodynamic responses to isometric exercise in normotensive subjects and in patients with essential hypertension. Ishii M, et al. **Jpn Circ J** 1983 Oct;47(10):1248–54

Effect of high salt treatment on influenza B viral protein synthesis in MDCK cells. Tsurumi T, et al. **Microbiol Immunol** 1983;27(6):519–29

Effects of oral loads of sodium chloride on bone composition in growing rats consuming ample dietary calcium. Goulding A, et al. **Miner Electrolyte Metab** 1984; 10(1):58–62

Effects of oral furosemide and salt loading on parathyroid function in normal subjects. Physiological basis for renal hypercalciuria. Fujita T, et al. **Nephron** 1984;38(2):109–14

Taste of salt on a low sodium diet. **Nutr Rev** 1983 Sep; 41(9):274–6 (3 ref.)

Effects of solute concentration on vasopressin stimulated cyclic AMP generation in the rat medullary thick ascending limbs of Henle's loop. Torikai S, et al. **Pflugers Arch** 1984 Mar;400(3):306–8

Muscimol inhibits ADH release induced by hypertonic sodium chloride in rats. Iovino M, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):335–8

Enhancement of saline consumption by chlordiazepoxide in thirsty rats: antagonism by Ro15-1788. Turkish S, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):869–73

A comparison of the fenfluramine-induced serotonergic syndrome in rats subacutely treated with either saline or D-amphetamine. Hunsinger RN, et al. **Pharmacol Res Commun** 1984 Jun;16(6):579–88

Effect of some selected salts and non-ionic surfactants on the antimicrobial activity of nalidixic acid. Gadalla MA, et al. **Pharmazie** 1983 Dec;38(12):858–9

Interaction between cholinergic and osmolar stimulation of the lateral hypothalamic area (LHA) on sodium and potassium excretion. Perez SE, et al. **Physiol Behav** 1984 Feb;32(2):191–4

Gustatory reaction time to various salt solutions in human adults. Yamamoto T, et al. **Physiol Behav** 1984 Jan; 32(1):49–53

Effects of dietary salt, fat, and carbohydrate on fluid and salt consumption of rats. Threatte RM, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):476–84

Renal control of plasma urea level in sheep: the diuretic effect of urea, potassium and sodium chloride. Godwin IR, et al. **Q J Exp Physiol** 1984 Jan;69(1):49–59

Hypocalciuric effects of hydrochlorothiazide in the rat during NaHCO3, NaCl and NH4Cl loading. Goulding A, et al. **Renal Physiol** 1984 May–Jun;7(3):185–91

Temperature dependence of anisotonic NaCl effect on radiosensitization and ultrastructure of V79 Chinese hamster cells. Szekely JG, et al. **Scan Electron Microsc** 1983;(Pt 4):2027–35

[Subcellular localization of calcium in the neurosecretory axon terminals of the neurohypophysis of the rat following stimulation by administration of hypertonic salt solution] Karcsú S, et al. **Acta Histochem (Jena)** 1983;73(1):1–8 (Eng. Abstr.) **(Ger)**

[Electron microscopic study of inner epidermal cells of the bulb scale of Allium cepa, particularly after the administration of various salts. II. Cell nucleus, endoplasmic reticulum, dictyostomes] Weidinger M. **Mikroskopie** 1983 Sep;40(7–8):210–23 (Eng. Abstr.) **(Ger)**

[Effects of saline load on the response to isoproterenol in normal and hypertensive subjects] Volpe M, et al. **Boll Soc Ital Cardiol** 1982;27(5):453–61 **(Ita)**

[The effect of an intravenous bolus injection of saline solution on isovolemic contraction and relaxation of the left ventricle] Kuge M, et al. **Kokyu To Junkan** 1984 Jun; 32(6):609–12 (Eng. Abstr.) **(Jpn)**

[Field potentials induced by intraretinal injection of K+-free Ringer's solution in the frog retina] Yanagida T. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1493–7 (Eng. Abstr.) **(Jpn)**

[Effects of continued sodium chloride loading on urinary kallikrein, aldosterone and 6-keto-PGF1 alpha] Igari T, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):920–2 **(Jpn)**

[Dopaminergic modulation of salt sensitivity in essential hypertension] Shikuma R, et al. **Nippon Jinzo Gakkai Shi** 1984 Apr;26(4):417–23 (Eng. Abstr.) **(Jpn)**

[Relation between dopamine secretion and saltsensitivity in essential hypertension] Haruyama K, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20;59(10):1658–66 (Eng. Abstr.) **(Jpn)**

[Characteristics of osmotic sensitivity of cells of the supraoptic nucleus of the rat hypothalamus] Lutsik EA, et al. **Fiziol Zh SSSR** 1984 Apr;70(4):385–91 (Eng. Abstr.) **(Rus)**

[Sensitivity of the erythrocytes of mice infected with Plasmodium berghei to saponin and a hypotonic solution] Sokhanenkova TL, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb;(1):46–9 (Eng. Abstr.) **(Rus)**

[Electron microscopic and polarographic study of rat liver mitochondria during freezing and thawing in sucrose and saline media] Petrenko AIu, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):84–7 (Eng. Abstr.) **(Rus)**

[Effect of sodium chloride, a component of mineral water, on the penetration of iodine ions through the skin (experimental study)] Tereshin SIu. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):52–3 **(Rus)**

[Effect of actinomycin D, cycloheximide and hypertonic concentrations of NaCl on the reproduction of the tick-borne encephalitis virus] Zhankov AI, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):96–100 (Eng. Abstr.) **(Rus)**

[Action of sodium chloride on Yersinia pseudotuberculosis and Yersinia enterocolitica] Sivolodskiĭ EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**

[Regulation of the blood water-saline composition in the frog Rana ridibunda during intravenous administration of hypertonic solutions of sodium chloride] Goncharevskaia OA, et al. **Zh Obshch Biol** 1983 Jul–Aug;44(4):547–52 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Isoelectric focusing patterns of urinary kallikrein in Dahl salt-hypertension susceptible and resistant rats. Rapp JP, et al. **Hypertension** 1984 Jul–Aug;6(4):519–25

POISONING

Evaluation of brain chloride determinations in the diagnosis of water deprivation/sodium salt intoxication in pigs. Wells GA, et al. **Vet Rec** 1984 Jun 30;114(26):631–5

STANDARDS

BSS warning [letter] Googe JM, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):202

THERAPEUTIC USE

The effect of the correction of metabolic acidosis on nitrogen and potassium balance of patients with chronic renal failure. Papadoyannakis NJ, et al. **Am J Clin Nutr** 1984 Sep; 40(3):623–7

Cardiovascular examinations and observations of deconditioning during the space shuttle orbital flight test program. Bungo MW, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1001–4

Small-volume resuscitation with hypertonic saline (2,400 mOsm/liter) during hemorrhagic shock. Nakayama S, et al. **Circ Shock** 1984;13(2):149–59

Fluid resuscitation in circulatory shock: a comparison of the cardiorespiratory effects of albumin, hetastarch, and saline solutions in patients with hypovolemic and septic shock. Rackow EC, et al. **Crit Care Med** 1983 Nov;11(11):839–50

Umbilical granuloma [letter] Kesaree N, et al. **Indian Pediatr** 1983 Sep;20(9):690–2

Caudal epidural injections in treatment of lumbo-sciatic syndrome. Thakkar CJ, et al. **J Assoc Physicians India** 1983 Dec;31(12):787–8

Microbiological and clinical effects of topical subgingival antimicrobial treatment on human periodontal disease. Rosling BG, et al. **J Clin Periodontol** 1983 Sep; 10(5):487–514

The treatment of phenelzine-induced hypotension with salt tablets: case report. Munjack DJ. **J Clin Psychiatry** 1984 Feb;45(2):89–90

Central pontine myelinolysis following saline treatment of a diabetic rat for dehydration. Wright JR Jr, et al. **J Comp Pathol** 1983 Oct;93(4):509–14

Management of lithium intoxication. Sugarman JR. **J Fam Pract** 1984 Feb;18(2):237–9

Sugar salt solution (SSS) using standard plastic scoops ('blue spoon') in the treatment of acute diarrhoea. Sunoto, et al. **Paediatr Indones** 1983 Nov–Dec;23(11–12):217–28

[Isotonic saline and methylprednisolone acetate in blockade treatment of myofascial pain. A clinical controlled study] Frost FA, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):652–4 (Eng. Abstr.) **(Dan)**

[Marked effect of furosemide and hypertonic saline in the treatment of SIAD after head injury] Iwasa H, et al. **No Shinkei Geka** 1984 Apr;12(5):651–5 (Eng. Abstr.) **(Jpn)**

[Effect of saline procedures on the functional indicators of the skin in patients with psoriasis, eczema and neurodermatitis] Miliavskii AI, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):44–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Pulmonary surface tension after nontoxic experimental pancreatitis. Kerstein MD, et al. **Am Surg** 1984 Jul; 50(7):375–6

Effects of sodium chloride, saccharin, phenobarbital and aspirin on gastric carcinogenesis in rats after initiation with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 1984 Jun;75(6):494–501

Effects of butylated hydroxyanisole, butylated hydroxytoluene, and NaCl on gastric carcinogenesis initiated with N-methyl-N'-nitro-N-nitrosoguanidine in F344 rats. Shirai T, et al. **JNCI** 1984 May;72(5):1189–98

Influence of age on saline hypertension in subtotal nephrectomized rats. Kuneš J, et al. **Physiol Bohemoslov** 1984;33(2):123–8

Effect of NaCl diet on jejunal carcinogenesis in mice given N-methyl-N'-nitro-N-nitrosoguanidine orally. Ohno Y, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1–4):23–8

URINE

Cisplatinum-induced renal salt wasting. Kurtzberg J, et al. **Med Pediatr Oncol** 1984;12(2):150–4

[Experiences with a rapid method for the determination of sodium chloride excretion in urine] Koolen MI, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2139–42 (Eng. Abstr.) **(Dut)**

SODIUM CLOXACILLIN see CLOXACILLIN

SODIUM CROMOGLYCATE see DISODIUM CROMOGLYCATE

SODIUM CYANIDE see under CYANIDES

SODIUM DODECYL SULFATE

Rocket and crossed immunoelectrophoresis of proteins solubilized with sodium dodecyl sulfate. Plumley FG, et al. **Anal Biochem** 1983 Oct 1;134(1):86–95

Light-scattering from detergent-complexed biological macromolecules. Jones MN, et al. **Biochem J** 1984 May 1;219(3):875–81

Two-dimensional gel electrophoresis of membrane proteins using anionic and cationic detergents. Application to the study of mitochondrial F0-F1-ATPase. Penin F, et al. **Biochim Biophys Acta** 1984 Aug 22;775(2):239–45

Gradient flattening of sodium dodecyl sulfate (SDS) and isoelectric focusing (IEF) gels. Yamada Y. **J Biochem Biophys Methods** 1983 Nov;8(3):183–8

A simple method to assess surfactant-induced bovine corneal opacity in vitro: preliminary findings. Muir CK. **Toxicol Lett** 1984 Aug;22(2):199–203

[Use of SDS and saponin detergents for the demonstration and purification of (Na+K+)ATPase in sheep kidney] Foussard-Guilbert F, et al. **Biochimie** 1983 Aug-Sep; 65(8–9):519–27 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Inflammatory response to sodium lauryl sulfate in aqueous solutions applied to the skin of normal human volunteers. Novak E, et al. **Contact Dermatitis** 1984 Feb;10(2):101–4

DIAGNOSTIC USE

[Recommendations for the use of dimethyl sulfoxide in place of sodium lauryl sulfate in animal experiments testing new allergens using the TGL 32591 method] Ziegler V, et al. **Dermatol Monatsschr** 1984;170(3):186–7 **(Ger)**

PHARMACODYNAMICS

Effects of detergents on the lecithin:cholesterol acyltransferase reaction. Park MC, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):290–8

Influence of heat and sodium dodecyl sulfate on the endopeptidase I from Bacillus sphaericus 9602. Garnier M, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):448–53

Two-dimensional peptide mapping by polyacrylamide-gel electrophoresis with limited proteolysis in SDS. Takeda A, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):932–7

Influence of sodium dodecyl sulphate quality on the electrophoretic mobility of the outer membrane proteins of mucoid and non-mucoid Pseudomonas aeruginosa. Anwar H, et al. **Biochim Biophys Acta** 1983 Dec 13; 761(2):119–25

A transport-dependent energy burden imposed by growth of Enterobacter cloacae in the presence of 10% sodium dodecyl sulfate. Kramer VC, et al. **Can J Microbiol** 1984 May;30(5):699–702

Prevalence of extreme detergent resistance among the Enterobacteriaceae. Kramer VC, et al. **Can J Microbiol** 1984 May;30(5):711–3

Reduced clinical effect of monofluorophosphate in the presence of sodium lauryl sulphate. Melsen B, et al. **Caries Res** 1983;17(6):549–53

Stimulatory action of sodium dodecyl sulfate (SDS) on the lecithin–cholesterol acyltransferase reaction in human plasma. Nakagawa M, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1517–22

Distinctive characteristics of crude interferon from virus-infected guinea-pig embryo fibroblasts. Winship TR, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):843–7

Petite and sectored induction in Saccharomyces cerevisiae by propidium iodide: synergistic effect of sodium dodecyl sulfate. Iwamoto Y, et al. **Mutat Res** 1984 Apr; 126(2):145–51

Effect of macromolecules and of sodium dodecyl sulphate upon precipitation of calcium oxalate and phosphate from whole urine. Rose GA, et al. **Urol Int** 1984;39(2):68–72

[Effect of the SDS addition on the pH dependency of TBA value obtained from rat liver homogenate] Mihara M, et al. **Eisei Shikenjo Hokoku** 1983;(101):104–6 (Eng. Abstr.) **(Jpn)**

STANDARDS

Importance of sodium dodecyl sulfate source to electrophoretic separations of thylakoid polypeptides. Margulies MM, et al. **Anal Biochem** 1984 Feb;136(2):309–13

TOXICITY

Gene responsible for protecting Escherichia coli from sodium dodecyl sulfate and toluidine blue plus light. Wakayama Y, et al. **J Bacteriol** 1984 Aug;159(2):527–32

SODIUM ETIDRONATE

Ultrafiltrability and chromatographic properties of pyrophosphate, 1-hydroxyethylidene-1,1-bisphosphonate, and dichloromethylenebisphosphonate in aqueous buffers and in human plasma. Wiedmer WH, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):397–400

ADMINISTRATION & DOSAGE

Alternate calcitonin and etidronate disodium therapy for Paget's bone disease. Perry HM 3d, et al. **Arch Intern Med** 1984 May;144(5):929–33

Small doses of etidronate (EHDP) and Paget's disease: meaning and importance of the decrease in plasmatic 25(OH)D3. D'Amore M, et al. **Panminerva Med** 1984 Jan–Mar;26(1):13–7

ADVERSE EFFECTS

Pathologic fracture due to severe osteomalacia following low-dose diphosphonate treatment of Paget's disease of bone. Evans RA, et al. **Aust NZ J Med** 1983 Jun; 13(3):277–9

Focal osteomalacia due to low-dose diphosphonate therapy in Paget's disease. Boyce BF, et al. **Lancet** 1984 Apr 14; 1(8381):821–4

Disodium etidronate (EHDP) [letter] Evans RA. **Med J Aust** 1984 Feb 4;140(3):182–3

Paget's disease of bone [letter] Schnur W. **Med J Aust** 1983 Nov 12;2(10):479

[Pseudosarcomatous osteolysis in a Paget's disease patient treated with disodium etidronate (EHDP)] Rondier J, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):49–54 **(Fre)**

DIAGNOSTIC USE

99mTc EDHP bone scintiscans in healthy young adults and patients with Reiter's syndrome. Bandilla KK. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 38

Myocardial uptake. An unexpected finding in an oncology follow-up. Boedecker RA, et al. **Clin Nucl Med** 1983 Aug; 8(8):358–9

186Re-HEDP: a potential therapeutic bone agent. Weininger J, et al. **Nuklearmedizin** 1984 Apr;23(2):81–2

METABOLISM

The subcellular distribution of [14C]dichloromethylenebisphosphonate and [14C]1-hydroxyethylidene-1,1-bisphosphonate in cultured calvaria cells. Felix R, et al. **Calcif Tissue Int** 1984 Jan; 36(1):108–13

Correlation of skeletal uptake of 99mTc-diphosphonate and alkaline phosphatase before and after oral diphosphonate therapy in Paget's disease. Smith ML, et al. **Metab Bone Dis Relat Res** 1984;5(4):167–70

PHARMACODYNAMICS

Effects of ethane-1-hydroxy-1,1-diphosphonate (EHDP) upon the kinetics of bone resorption and bone formation at the whole bone level in prelabelled chicks. Klein L, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):602–8

Effect of polyvinyl phosphonates and ethane hydroxy diphosphonate on mineralization of ectopic bone. Rath NC, et al. **Chem Biol Interact** 1984 Mar;48(3):339–47

Effect of a diphosphonate on the osteoinductive activity of rat bone matrix. Bauer FC, et al. **Clin Orthop** 1984 May; (185):266–9

The effect of bisphosphonates on glycolysis in cultured calvaria cells and their homogenate. Felix R, et al. **Experientia** 1983 Nov 15;39(11):1293–5

THERAPEUTIC USE

Immobilization hypercalcemia in acute spinal cord injury treated with etidronate. Merli GJ, et al. **Arch Intern Med** 1984 Jun;144(6):1286–8

Disodium etidronate: its role in preventing heterotopic ossification in severe head injury. Spielman G, et al. **Arch Phys Med Rehabil** 1983 Nov;64(11):539–42

Disodium etidronate in hypercalcaemia due to immobilisation. Hägg E, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):607–8

Preliminary observations of a form of coherence therapy for osteoporosis. Anderson C, et al. **Calcif Tissue Int** 1984 May; 36(3):341–3

Bone tissue in Paget's disease treated by ethane-1, hydroxy-1, 1 diphosphonate (EHDP). Structure, ultrastructure, and immunocytology. Basle MF, et al. **Clin Orthop** 1984 Apr; (184):281–8

Pathophysiology and modern management of Paget's disease. Ryan WG. **Compr Ther** 1983 Sep;9(9):64–9

Diagnosis and treatment of Paget's disease of bone. Siris ES. **Compr Ther** 1983 Sep;9(9):47–53

Effects of disodium etidronate in murine tumor models. Guaitani A, et al. **Eur J Cancer Clin Oncol** 1984 May; 20(5):685–93

Cutaneous calciphylactic reactions in the mouse and the rat and the effects of diphosphonates on the reaction in the rat. Miller S, et al. **J Pathol** 1984 Jan;142(1):7–13

Correlation of skeletal uptake of 99mTc-diphosphonate and alkaline phosphatase before and after oral diphosphonate therapy in Paget's disease. Smith ML, et al. **Metab Bone Dis Relat Res** 1984;5(4):167–70

[Etidronic acid therapy in Paget's disease of bone] Holz G, et al. **Dtsch Med Wochenschr** 1983 Dec 23; 108(51–52):1954–8 (Eng. Abstr.) **(Ger)**

[Effect of aluminum hydroxide and 1-hydroxyethane-1,1-diphosphonate (EHDP) on the calcinogenic effect of Trisetum flavescens (L.,P.B.) in sheep] Dirksen G, et al. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):645–55 (Eng. Abstr.) **(Ger)**

SODIUM FLUORIDE

ADMINISTRATION & DOSAGE

Whole saliva fluoride after toothbrushing with NaF and MFP dentifrices with different F concentrations. Bruun C, et al. **Caries Res** 1984;18(3):282–8

Effect of NaF and SnF2 in drinking water on hamster dental caries (short communication). Tinanoff N, et al. **Caries Res** 1984;18(1):71–3

Fluoride tolerance of the young chick and turkey poult. Suttie JW, et al. **Poult Sci** 1984 Apr;63(4):738–43

[Clinical experience in the use of large doses of NaF in the

treatment of osteoporosis] Karpaš K, et al. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):569–73 (Eng. Abstr.) **(Cze)**

[Fluoride prevention of tooth decay in children in the North Moravian region] Navrátil M, et al. **Cesk Pediatr** 1984 Jun; 39(6):351–3 (Eng. Abstr.) **(Cze)**

[Control of the urinary excretion of the enzyme alpha-glucosidase during the administration of fluoride tablets] Negri PL, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Dec; 26(4):311–25 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Bilateral fractures of femoral neck in patients with moderate renal failure receiving fluoride for spinal osteoporosis. Gerster JC, et al. **Br Med J [Clin Res]** 1983 Sep 10; 287(6394):723–5

[Fractures of the calcaneus during fluoride therapy of osteoporosis] Leroux JL, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3140–2 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Fluoride ingestion following APF gel application. McCall DR, et al. **Br Dent J** 1983 Nov 19;155(10):333–6

Effect of an APF pretreatment on in vitro remineralization of initial enamel lesions. Boddé HE, et al. **Caries Res** 1984; 18(4):344–7

Microprobe and SEM analysis of surface coatings on caries-like lesions in enamel after metal ion mordanting and APF application. Clarkson BH, et al. **J Dent Res** 1984 Feb;63(2):106–10

METABOLISM

Exchange of fluoride between bovine enamel and the surface-related cells of the oral bacterium Streptococcus mutans. Luoma H, et al. **Arch Oral Biol** 1984;29(5):343–8

Uptake and retention of alkali-soluble and alkali-insoluble fluoride in sound enamel in vivo after mouthrinses with 0.05% or 0.2% NaF. Ogaard B, et al. **Caries Res** 1983; 17(6):520–4

PHARMACODYNAMICS

No effect of prolonged fluoride exposure on cytochrome P-450 and associated monooxygenases or on the level of polyamines in the rat. Hongslo JK, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):250–3

Detergent-induced distinctions between fluoride- and vanadate-stimulated adenylate cyclases and their responses to guanine nucleotides. Combest WL, et al. **Arch Biochem Biophys** 1983 Sep;225(2):916–27

The inhibition of acetylcholinesterase by arsenite and fluoride. Page JD, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):492–7

The effect of fluoride on the electrophoretic patterns of developing rat molar enamel. Drinkard CR, et al. **Arch Oral Biol** 1983;28(12):1131–4

Histological, macroscopic and microhardness observations of fluoride-induced changes in the enamel organ and enamel of sheep incisor teeth. Suckling G, et al. **Arch Oral Biol** 1984;29(3):165–77

Effects of fluoride on locomotion of human blood leucocytes in vitro. Wilkinson PC. **Arch Oral Biol** 1983;28(5):415–8

Association of adenylate cyclase inhibition by NaF with loss of a factor in rat heart sarcolemma. Michiel DF, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):583–9

Formation of soman (1,2,2-trimethylpropyl methylphosphonofluoridate) via fluoride-induced reactivation of soman-inhibited aliesterase in rat plasma. de Jong LP, et al. **Biochem Pharmacol** 1984 Feb 15; 33(4):663–9

Monofluorophosphate physiology: the effects of fluoride on bone. Baylink DJ, et al. **Caries Res** 1983;17 Suppl 1:56–76 (42 ref.)

Effect of topical application of alginate containing fluoride or fluoride and chlorhexidine on dental caries in rats. Hattab F. **Caries Res** 1984;18(4):367–74

The anti-cariogenic potential of xylitol in comparison with sodium fluoride in rat caries experiments. Havenaar R. **J Dent Res** 1984 Feb;63(2):120–3

Acceleration of remineralization in vitro by sodium monofluorophosphate and sodium fluoride. Mellberg JR, et al. **J Dent Res** 1984 Sep;63(9):1130–5

Surface changes in rat gastric mucosa induced by sodium fluoride: a scanning electron microscopic study. Easmann RP, et al. **J Oral Pathol** 1984 Jun;13(3):255–64

Induction of unscheduled DNA synthesis in cultured human oral keratinocytes by sodium fluoride. Tsutsui T, et al. **Mutat Res** 1984 May;140(1):43–8

Activation of fluoride-stimulated adenylate cyclase by phospholipase A2 in the caudate nucleus of the rat brain. Reese JH, et al. **Neurochem Res** 1983 Aug;8(8):1059–69

Effect of dietary sodium fluoride on growth and bone development in growing turkeys. Nahorniak NA, et al. **Poult Sci** 1983 Oct;62(10):2048–55

Fluoride retention in sound and demineralized enamel in vivo after treatment with a fluoride varnish (Duraphat). Ogaard B, et al. **Scand J Dent Res** 1984 Jun;92(3):190–7

Effect of sodium fluoride on hepatic microsomal mixed-function oxidase system in newborn and adult male rats. Soni MG, et al. **Toxicol Lett** 1984 May;21(2):163–6

Fluoride-induced filaments of Erwinia carotovora. Gashe BA, et al. **Z Allg Mikrobiol** 1983;23(5):297–301

[Membrane inorganic pyrophosphatase. 'Syncatalytic' inactivation by the fluoride ion] Baĭkov AA, et al. **Biokhimiia** 1984 May;49(5):807–13 (Eng. Abstr.) **(Rus)**

[Effect of sodium fluoride on soil properties and the development of agricultural crops] Gaponiuk EI, et al. **Gig Sanit** 1984 Jun;(6):77–9 **(Rus)**

POISONING

[Effect of subchronic sodium fluoride poisoning on the thyroid gland of rabbits with normal and increased supply of iodine] Jonderko G, et al. **Endokrynol Pol** 1983; 34(3):195–203 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Extended treatment of primary osteoporosis by sodium fluoride combined with 25 hydroxycholecalciferol. Kuntz D, et al. **Clin Rheumatol** 1984 Jun;3(2):145–53

Fluoride therapy in metabolic bone disease. Spencer H, et al. **Isr J Med Sci** 1984 May;20(5):373–80

Effect of daily rinsing with stannous fluoride on plaque and gingivitis: final report. Leverett DH, et al. **J Dent Res** 1984 Aug;63(8):1083–6

Skeletal scintigraphic changes in osteoporosis treated with sodium fluoride: concise communication. Schulz EE, et al. **J Nucl Med** 1984 Jun;25(6):651–5

New evidence for sodium fluoride in osteoporosis. Selby J Sr. **J Nucl Med** 1984 Jun;25(6):720–2

Effectiveness of sodium fluoride on tooth hypersensitivity with and without iontophoresis. Lutins ND, et al. **J Periodontol** 1984 May;55(5):285–8

Should we use fluoride to treat osteoporosis? A review. Kanis JA, et al. **Q J Med** 1984 Spring;53(210):145–64 (81 ref.)

[Sodium fluoride loading test and the monitoring of fluoride levels in the urine during the treatment of osteoporosis with sodium fluoride] Pantuček MB, et al. **Acta Chir Orthop Traumatol Cech** 1983 Oct;50(5):476–81 (Eng. Abstr.) **(Cze)**

[Effect of amine fluoride and sodium fluoride on the germs of plaque flora] Gehring F. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S36–40 (Eng. Abstr.) **(Ger)**

[Comparative study of the effect of a .5% NaF solution by mouthwash, toothbrushing or both, in the prevention of dental caries] Castellanos RA. **Rev Saude Publica** 1983 Dec; 17(6):461–75 (Eng. Abstr.) **(Por)**

TOXICITY

Sodium fluoride-induced morphological and neoplastic transformation, chromosome aberrations, sister chromatid exchanges, and unscheduled DNA synthesis in cultured syrian hamster embryo cells. Tsutsui T, et al. **Cancer Res** 1984 Mar;44(3):938–41

Cardiopulmonary response to sodium fluoride infusion in the dog. Gaugl JF, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):765–82

Cytotoxicity, chromosome aberrations and unscheduled DNA synthesis in cultured human diploid fibroblasts induced by sodium fluoride. Tsutsui T, et al. **Mutat Res** 1984 Apr;139(4):193–8

Alterations in drug metabolising enzymes and lipid peroxidation in different rat tissues by fluoride. Soni MG, et al. **Toxicol Lett** 1984 May;21(2):167–72

SODIUM GLUTAMATE see under **GLUTAMATES**

SODIUM GOLD THIOSULFATE see under **GOLD**

SODIUM HYDROXIDE

Histochemical application of mild alkaline hydrolysis for selective elimination of O-glycosidically linked glycoproteins. Ono K, et al. **Stain Technol** 1983 Sep; 58(5):309–12

ADMINISTRATION & DOSAGE

Intrapericardial instillation of sodium hydroxide: failure to produce pericardial symphysis. Srinivasan V, et al. **Angiology** 1984 Jan;35(1):22–8

A simplified approach to endorectal pull-through: the feasibility of chemically destroying rectal mucosa. Coran AG, et al. **Int Surg** 1984 Jan–Mar;69(1):81–4

ADVERSE EFFECTS

[Hydrodynamic disorders in alkaline burns of the eyeball] Aleshaev MI, et al. **Oftalmol Zh** 1983;38(5):303–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. Sriskandarajah N, et al. **Br J Nutr** 1984 Mar;51(2):289–96

Sodium hydroxide decontamination of Creutzfeldt-Jakob disease virus [letter] Brown P, et al. **N Engl J Med** 1984 Mar 15;310(11):727

[Bactericidal effects of NaOH on mycobacteria. 1. Survival rate of mycobacteria in saline] Marumo K, et al. **Kekkaku** 1983 Oct;58(10):515–20 (Eng. Abstr.) **(Jpn)**

POISONING

[Voluntary poisoning by intravenous injection of caustic soda] Blin F, et al. **Ann Fr Anesth Reanim** 1983;2(2):97–9 (Eng. Abstr.) **(Fre)**

TOXICITY

Effect of ascorbic acid on ulceration in alkali-burned corneas. Petroutsos G, et al. **Ophthalmic Res** 1984;16(4):185–9

SODIUM HYPOCHLORITE

Bleach usage for CJD disinfection [letter] Scheidt A. **Infect Control** 1984 Jul;5(7):314

ADVERSE EFFECTS

Sodium hypochlorite dermatitis. Eun HC, et al. **Contact Dermatitis** 1984 Jul;11(1):45

[An incident with sodium hypochlorite—only my error?] Grob R. **Schweiz Monatsschr Zahnmed** 1984 Jul;94(7):661–2 **(Ger)**

PHARMACODYNAMICS

Sodium hypochlorite decontamination of split-thickness cadaveric skin infected with bacteria and yeast with subsequent isolation and growth of basal cells to confluency in tissue culture. Fader RC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):181–5

Effects of root canal irrigants [letter] Gresham JE. **Br Dent J** 1983 Oct 22;155(8):259

Sterilization of complete dentures with sodium hypochlorite. Rudd RW, et al. **J Prosthet Dent** 1984 Mar;51(3):318–21

Hypochlorite, an essential disinfectant [letter] Bianchi P, et al. **Lancet** 1984 Jun 23;1(8391):1418

THERAPEUTIC USE

Local metastasis in conjunctival melanoma. Oosterhuis JA, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):55–9

Irrigation with mercury chloride and sodium hypochlorite to prevent local recurrence after excision of conjunctival melanoma. An experimental study. van Delft JL, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):61–7

Sodium hypochlorite: a useful therapeutic adjunct for herpes simplex infections. Hunter DT. **J Am Med Wom Assoc** 1984 Jul–Aug;39(4):135–6

Sodium hypochlorite, an overlooked therapeutic adjunct for Herpes simplex infections. Hunter DT. **Public Health** 1983 Jul;97(4):218–20

[Effect of temperature on the use of sodium hypochlorite as a bactericide in root canal therapy] Cavalleri G. **Minerva Stomatol** 1983 Jul–Aug;32(4):613–6 (13 ref.) (Eng. Abstr.) **(Ita)**

SODIUM IODIDE see under **IODIDES**

SODIUM IODOHIPPURATE see **IODOHIPPURIC ACID**

SODIUM IPODATE see **IPODATE**

SODIUM LAURYL SULFATE see **SODIUM DODECYL SULFATE**

SODIUM MORRHUATE see under **FATTY ACIDS**

SODIUM NAFCILLIN see **NAFCILLIN**

SODIUM NITRITE see under **NITRITES**

SODIUM OXACILLIN see **OXACILLIN**

SODIUM OXYBATE see under **HYDROXYBUTYRATES**

SODIUM, POTASSIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

SODIUM RADIOISOTOPES

A radionuclide model for evaluating sealability of retrograde filling materials. Shani J, et al. **Int J Nucl Med Biol** 1984; 11(1):46–52

SODIUM SALICYLATE

ANALYSIS

First-derivative spectroscopic determination of acetaminophen and sodium salicylate in tablets. Tobias DY. **J Assoc Off Anal Chem** 1983 Nov;66(6):1450–4

BLOOD

Simultaneous analysis of 1-beta-D-arabinofuranosylcytosine, 1-beta-D-arabinofuranosyluracil and sodium salicylate in biological samples by high-performance liquid chromatography. Liversidge GG, et al. **J Chromatogr** 1983 Sep 9;276(2):375–83

METABOLISM

Salicylate pharmacokinetics in the dog at 6 ATA in air and at 2.8 ATA in 100% oxygen. Kramer WG, et al. **Aviat Space Environ Med** 1983 Aug;54(8):682–4

PHARMACODYNAMICS

Inhibition of glucose-induced insulin secretion by indomethacin and sodium salicylate in the fetal lamb. Philippa AF, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):481-7

Phasic glucose-stimulated insulin secretion by neonatal rat pancreatic islet cells. Enhancement by sodium salicylate. Fujimoto WY, et al. **Diabetes** 1984 Sep;33(9):872-8

The effect of salicylates on nonenzymatic glycosylation and thermal stability of collagen in diabetic rats. Yue DK, et al. **Diabetes** 1984 Aug;33(8):745-51

Increased insulin secretion induced by sodium salicylate: effect of puromycin. García JB, et al. **Horm Metab Res** 1984 Feb;16(2):101-2

Plasma levels of salicylate and aspirin in healthy volunteers: relevance to drug interaction on platelet function. Cerletti C, et al. **J Lab Clin Med** 1984 Jun;103(6):869-77

Influence of ionic strength on rectal absorption of gentamicin sulfate in the presence and absence of sodium salicylate. Fix JA, et al. **J Pharm Sci** 1983 Oct;72(10):1134-7

Sodium salicylate interferes with the inhibitory effects of aspirin and indomethacin on human platelets. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):21-8

THERAPEUTIC USE

The efficacy and pharmacokinetics of sodium salicylate in post-operative dental pain. Seymour RA, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):161-3

Protective effects of Na salicylate against digoxin- and BaCl2-induced arrhythmias in guinea-pigs. Brasch H. **Eur J Pharmacol** 1984 Feb 17;98(2):297-301

[Non-steroidal antiinflammatory agents--mechanisms of action] Wojtecka-Lukasik E, et al. **Acta Physiol Pol** 1983; 34 Suppl 25:19-35 **(Pol)**

TOXICITY

Effect of salicylate poisoning on insulin secretion. Studies on its mechanism of action. Arata M, et al. **Acta Diabetol Lat** 1983 Jul-Sep;20(3):241-9

Sex and strain differences in the developmental activity profile of rats prenatally exposed to sodium salicylate. Buelke-Sam J, et al. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):171-5

SODIUM TETRADECYL SULFATE see under **FATTY ALCOHOLS**

SODIUM VALPROATE see **VALPROATE**

SOFT CONTACT LENSES see **CONTACT LENSES, HYDROPHILIC**

SOFT TISSUE NEOPLASMS

Aggressive pulmonary resection for metastatic osteogenic and soft tissue sarcomas. Flye MW, et al. **Ann Thorac Surg** 1984 Feb;37(2):123-7

[Benign neoplasms of the soft tissues of the oral cavity] Fiamminghi L, et al. **Acta Biomed Ateneo Parmense** 1984; 55(2):103-12 (Eng. Abstr.) **(Ita)**

[Sarcoma of the soft tissues] Illiano A, et al. **Arch Monaldi** 1983 Jul-Aug;38(4):129-34 (Eng. Abstr.) **(Ita)**

ANALYSIS

Immunoreactivity of paraffin-embedded normal tissues and mesenchymal tumors for smooth muscle myosin. Donner L, et al. **Am J Clin Pathol** 1983 Nov;80(5):677-81

Immunohistochemical localization of myoglobin in nonmuscular cells. Eusebi V, et al. **Am J Surg Pathol** 1984 Jan;8(1):51-5

Alveolar soft-part sarcoma. A review on its histogenesis and further studies based on electron microscopy, immunohistochemistry, and biochemistry. Mukai M, et al. **Am J Surg Pathol** 1983 Oct;7(7):679-89

A new platelet aggregating material (PAM) in an experimentally induced rat fibrosarcoma. Mohanty D, et al. **Thromb Haemost** 1984 Apr 30;51(2):192-5

CLASSIFICATION

[Soft-tissue sarcomas in the adult. Current problems] Rouëssé J. **Ann Med Interne (Paris)** 1984;135(3):177-80 **(Fre)**

[Fibromatoses in children: classification and clinico-morphological characteristics] Blinov VM. **Arkh Patol** 1984;46(1):75-80 (50 ref.) (Eng. Abstr.) **(Rus)**

COMPLICATIONS

McCune-Albright syndrome (fibrous dysplasia) associated with an orbital tumor. Sevel D, et al. **Ann Ophthalmol** 1984 Mar;16(3):283-9, 293-7

Massive intramuscular myxoma associated with fibrous dysplasia of bone. Sedmak DD, et al. **Cleve Clin Q** 1983 Winter;50(4):469-72

Albright's syndrome associated with a soft-tissue myxoma and hypophosphataemic osteomalacia. Report of a case and review of the literature. Lever EG, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):621-6

A case of tuberous sclerosis with subcutaneous nodules. Shishiba T, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):391-4

Paraneoplastic syndromes with soft-tissue sarcoma: a report of two unusual cases. Bertelsen CA, et al. **J Surg Oncol** 1983 Nov;24(3):170-2

[Malignant hemangiopericytoma. Candida meningitis under ketoconazole therapy] Spors S, et al. **MMW** 1983 Nov 11; 125(45):1051-2 **(Ger)**

CONGENITAL

Congenital fibrosarcoma of the axilla in an infant. Chiba T. **Nippon Geka Hokan** 1983 Sep 1;52(5):725-8

DIAGNOSIS

Pseudotumor after metal fixation of a fracture surgery. A case report. Kreicbergs A. **Acta Orthop Scand** 1983 Oct; 54(5):739-42

Size, site and clinical incidence of lipoma. Factors in the differential diagnosis of lipoma and sarcoma. Rydholm A, et al. **Acta Orthop Scand** 1983 Dec;54(6):929-34

Diagnostic aspect of spindle-cell sarcomas by electron microscopy. Nakanishi I, et al. **Acta Pathol Jpn** 1983 May; 33(3):425-37

Malignant fibrous histiocytoma: mesenchymal tumor of ubiquitous origin. Ros PR, et al. **AJR** 1984 Apr; 142(4):753-9 (46 ref.)

Computed tomography of soft-tissue lesions of the extremities, pelvic and shoulder girdles: sonographic and pathological correlations. Hermann G, et al. **Clin Radiol** 1984 May;35(3):193-202

Lipofibroma of the dorsum of the hand: report of a case. Nebergall RW, et al. **J Am Osteopath Assoc** 1984 Feb; 83(6):430-1

Hypertrophic hemangioma vs. hemangiopericytoma. Bernhard LM, et al. **J Foot Surg** 1983 Winter;22(4):308-13

Benign cavernous hemangioma of the ankle. Midenberg M, et al. **J Foot Surg** 1983 Winter;22(4):294-7

Localized sarcoma of the chest wall [clinical conference] Raney RB Jr. **Med Pediatr Oncol** 1984;12(2):116-8

Fibrosarcoma of the leg [clinical conference] Wenger J, et al. **Med Pediatr Oncol** 1984;12(3):209-11

Extracranial primitive neuroectodermal tumor [clinical conference] Womer RB. **Med Pediatr Oncol** 1984; 12(2):119-22

Nuclear magnetic resonance studies on human bone and soft tissue tumors. Mizuta H, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jan;58(1):97-106

[Idiopathic myositis ossificans - pseudomalignant osseous tumor of soft tissue] Bozděch Z, et al. **Acta Chir Orthop Traumatol Cech** 1983 Aug;50(4):363-7 (Eng. Abstr.) **(Cze)**

[Tumoral calcinosis in a white woman. Apropos of a case] d'Aboville M, et al. **J Radiol** 1983 Jun-Jul;64(6-7):429-32 (Eng. Abstr.) **(Fre)**

[Use of immunohistochemical methods in the diagnosis of myogenous tumors] Kraevsky NA. **Acta Histochem [Suppl] (Jena)** 1984;30:79-80 **(Ger)**

[Primary retroperitoneal tumors: diagnosis--therapy--prognosis] Kujath P, et al. **Chirurg** 1983 Oct;54(10):643-8 (15 ref.) **(Ger)**

[Immunohistochemical methods in the diagnosis of soft tissue tumors] Meister P. **Pathologe** 1984 Mar;5(2):90-8 **(Ger)**

[Ewing sarcoma. Diagnostic and therapeutic problems in children] Rücker J, et al. **Wien Med Wochenschr** 1983 Sep 15;133(17):437-41 (Eng. Abstr.) **(Ger)**

[Role of teletermography in the diagnosis of primary tumors of soft tissues and bones] Gardani G, et al. **Radiol Med (Torino)** 1983 Jun;69(6):433-8 (Eng. Abstr.) **(Ita)**

[Methods used in the diagnosis and treatment of rhabdomyosarcoma] Bożek J, et al. **Probl Med Wieku Rozwoj** 1983;12:312-25 (Eng. Abstr.) **(Pol)**

[Tumor-simulating foreign body] Bolgov DF, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):137-8 **(Rus)**

[Giant lipoma of the interscapular region] Dik AIa, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):136-7 **(Rus)**

[Giant lipoma of the spermatic cord in a patient with Rosh-Leri lipomatosis] Levina ZI, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):116-7 **(Rus)**

[Ultrasonic diagnosis of bone and soft tissue tumorous lesions in children] Sapozhnikov VG, et al. **Pediatriia** 1983 Aug; (8):44 **(Rus)**

[Malignant fibrous histiocytoma] Karseladze AI, et al. **Sov Med** 1983;(12):108-10 **(Rus)**

[Lipoma of the lumbosacral region of 25-years' duration] Abdullaev MR, et al. **Vestn Khir** 1984 Mar;132(3):108-9 **(Rus)**

[Diagnosis and treatment of soft tissue sarcomas] Lapshin IM, et al. **Voen Med Zh** 1983 Oct;(10):51-2 **(Rus)**

DRUG THERAPY

Phase II evaluation of PALA in patients with refractory metastatic sarcomas. Kurzrock R, et al. **Am J Clin Oncol** 1984 Aug;7(4):305-7

Cyvadic in advanced soft tissue sarcoma: a randomized study comparing two schedules. A study of the EORTC Soft Tissue and Bone Sarcoma Group. Pinedo HM, et al. **Cancer** 1984 May 1;53(9):1825-32

High-dose adriamycin (ADM) and cis-platinum (DDP) in advanced soft-tissue sarcomas and invasive thymomas. A pilot study. Klippstein TH, et al. **Cancer Chemother Pharmacol** 1984;13(2):78-81

High-dose alkylation therapy using ifosfamide infusion with mesna in the treatment of adult advanced soft-tissue sarcoma. Stuart-Harris RC, et al. **Cancer Chemother Pharmacol** 1983;11(2):69-72

Treatment of advanced soft tissue sarcomas with low-dose methotrexate: a phase II trial by the European Organization of Research on Treatment for Cancer (EORTC) Soft Tissue and Bone Sarcoma Group. Buesa JM, et al. **Cancer Treat Rep** 1984 Apr;68(4):683-4

High-dose ifosfamide by infusion with mesna in advanced soft tissue sarcoma. Stuart-Harris R, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:163-4

Preliminary results of a randomized trial of adjuvant doxorubicin for sarcomas: lack of apparent difference between treatment groups. Antman K, et al. **J Clin Oncol** 1984 Jun;2(6):601-8

Phase II evaluation of chlorozotocin in metastatic sarcomas. Presant CA, et al. **Med Pediatr Oncol** 1984;12(1):25-7

Liposarcoma: patterns of tumor differentiation following induction chemotherapy. Bui NB, et al. **Oncology** 1984; 41(3):170-3

Intra-arterial adriamycin for limb sarcomas. Azzarelli A, et al. **Recent Results Cancer Res** 1983;86:218-21

Regional perfusion with adriamycin in soft tissue sarcomas. Braat RP, et al. **Recent Results Cancer Res** 1983;86:260-3

Super-selective cytostatic treatment of malignant tumors of the soft tissue and bone. Schepke P. **Recent Results Cancer Res** 1983;86:209-12

Clinical experience in the use of intra-arterial infusion chemotherapy in the treatment of cancers in the head and neck, the extremities, the breast and the stomach. Stephens FO. **Recent Results Cancer Res** 1983;86:122-7

[Chemotherapy of malignant soft tissue tumors] Hossfeld DK, et al. **Chirurg** 1983 Oct;54(10):649-51 **(Ger)**

[Clinical evaluation on the sensitivity test for anti-cancer agents in malignant bone and soft-tissue tumors] Takeuchi S, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1113-22 (Eng. Abstr.) **(Jpn)**

[Intraarterial high-dose adriamycin for patients with skeletal or soft tissue sarcoma] Yoh S, et al. **Gan No Rinsho** 1983 Aug;29(10):1263-73 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy in the treatment of primary soft tissue sarcomas, with special reference to intra-arterial infusion chemotherapy] Fukuma H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1729-35 (Eng. Abstr.) **(Jpn)**

[A combination chemotherapy with adriamycin, cyclophosphamide and DTIC (ACD) for advanced adult soft part sarcoma] Ikeda K, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):235-9 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of advanced bone and soft tissue sarcoma] Yamawaki S, et al. **Gan To Kagaku Ryoho** 1984 Sep; 11(9):1757-63 (Eng. Abstr.) **(Jpn)**

[Results of treatment of patients with lymphosarcoma according to the ACVP regimen] Abdyldaev RA, et al. **Ter Arkh** 1983;55(8):40-3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A study of the acid phosphatase in the cells of bone and soft parts tumors, and of other tumorous conditions. Morisawa K. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec; 57(12):1937-50

[Peculiarities of tissue enzyme patterns in connective tissue proliferation and their possible diagnostic significance] Fischer W, et al. **Radiobiol Radiother (Berl)** 1983; 24(3):335-43 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Histogenesis of clear cell sarcoma of tendons and aponeuroses. An electron-microscopic, biochemical, enzyme histochemical, and immunohistochemical study. Mukai M, et al. **Am J Pathol** 1984 Feb;114(2):264-72

Soft tissue sarcomas in agriculture and forestry workers. Balarajan R, et al. **J Epidemiol Community Health** 1984 Jun;38(2):113-6

Intermetatarsal neuromas: distribution and etiologic factors. Bartolomei FJ, et al. **J Foot Surg** 1983 Winter;22(4):279-82

[Malignant lymphoma initially of the buttocks: possible role of repeated intramuscular injections] Krivitzky A, et al. **Ann Med Interne (Paris)** 1984;135(3):205-7 (Eng. Abstr.) **(Fre)**

[Osteogenic sarcoma of soft tissue after post-traumatic myositis ossificans (letter)] Thyss A, et al. **Presse Med** 1984 May 19;13(21):1333-4 **(Fre)**

[Tumor-like bursal calcifications due to uncontrollable hyperphosphatemia in chronic hemodialysis. Case report] Frühwald F, et al. **Radiologe** 1983 Nov;23(11):529-31 (Eng. Abstr.) **(Ger)**

[Cicatricial external endometriosis] Kończal-Kozakiewicz A, et al. **Ginekol Pol** 1983 Apr;54(4):271-4 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Infantile myofibromatosis. Evidence for an autosomal-dominant disorder. Jennings TA, et al. **Am J Surg Pathol** 1984 Jul;8(7):529-38

Excess risk of breast cancer in the mothers of children with soft tissue sarcomas. Birch JM, et al. **Br J Cancer** 1984 Mar;49(3):325-31

A 19-year follow-up of multiple juvenile hyaline

fibromatosis. Woyke S, et al. **J Pediatr Surg** 1984 Jun; 19(3):302–4

Chromosome changes in soft tissue sarcomas. Becher R, et al. **JNCI** 1984 Apr;72(4):823–31

Chromosome translocation in extraskeletal Ewing's tumour [letter] Becroft DM, et al. **Lancet** 1984 Aug 18;2(8399):400

IMMUNOLOGY

Syngeneic monoclonal antibodies directed against chemically induced murine fibrosarcomas. Gallagher WJ, et al. **Curr Surg** 1983 Sep–Oct;40(5):361–4

[Effect of nonspecific stimulators on body resistance to tumor growth] Bulbuk GA. **Patol Fiziol Eksp Ter** 1983 Sep–Oct; (5):66–9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Angiolipomas in homosexual men [letter] Weldon–Linne CM, et al. **N Engl J Med** 1984 May 3;310(18):1193–4

PATHOLOGY

A consecutive series of 30 malignant schwannomas. Survival in relation to clinico–pathological parameters and treatment. Bojsen–Møller M, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 May; 92(3):147–55

Benign solitary neurilemoma (Schwannoma). A correlative cytological and histological study of 28 cases. Dahl I, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Mar; 92(2):91–101

Sarcomatoid carcinoma (so–called pseudosarcoma) of the larynx simulating malignant giant cell tumor of soft parts. A case report. Alguacil–Garcia A, et al. **Am J Clin Pathol** 1984 Sep;82(3):340–3

Subcutaneous sacrococcygeal myxopapillary ependymoma. A clinicopathologic study of 32 cases. Helwig EB, et al. **Am J Clin Pathol** 1984 Feb;81(2):156–61

Liposarcomas. A histogenetic approach to the classification of adipose tissue neoplasms. Bolen JW, et al. **Am J Surg Pathol** 1984 Jan;8(1):3–17

Keratin in epithelioid sarcoma. An immunohistochemical study. Chase DR, et al. **Am J Surg Pathol** 1984 Jun; 8(6):435–41

Malignant nerve sheath tumor containing endocrine cells. Warner TF, et al. **Am J Surg Pathol** 1983 Sep;7(6):583–90

Premelanosomes in clear cell sarcoma [letter] Huntrakoon M. **Arch Pathol Lab Med** 1984 Mar;108(3):182

The grading of soft tissue sarcomas. Results of a clinicohistopathologic correlation in a series of 163 cases. Costa J, et al. **Cancer** 1984 Feb 1;53(3):530–41

Angioleiomyoma. A clinicopathologic reappraisal of 562 cases. Hachisuga T, et al. **Cancer** 1984 Jul 1;54(1):126–30

On the histogenesis of Ewing's sarcoma. An ultrastructural, immunohistochemical, and cytochemical study. Navas–Palacios JJ, et al. **Cancer** 1984 May 1;53(9):1882–901

Soft tissue sarcoma of the head and neck in childhood: nonorbital and nonparameningeal sites. A report of the Intergroup Rhabdomyosarcoma Study (IRS)–I. Wharam MD Jr, et al. **Cancer** 1984 Feb 15;53(4):1016–9

Tumor–cell heterogeneity in soft tissue sarcomas as defined by chemoradiotherapy. Wilson RE, et al. **Cancer** 1984 Mar 15;53(6):1420–5

Presacral and postsacral extraspinal ependymoma. Report of a case and review of the literature. Timmerman W, et al. **Dis Colon Rectum** 1984 Feb;27(2):114–9

The unsuspected soft tissue chondrosarcoma. Mackenzie DH. **Histopathology** 1983 Sep;7(5):759–66

Malignant 'triton' tumors: a clinicopathologic and immunohistochemical study of nine cases. Daimaru Y, et al. **Hum Pathol** 1984 Aug;15(8):768–78

Soft–tissue sarcomas of adults; study of pathological prognostic variables and definition of a histopathological grading system. Trojani M, et al. **Int J Cancer** 1984 Jan 15;33(1):37–42

Tumoral calcinosis (report of 3 cases). Deodhare SG, et al. **J Assoc Physicians India** 1984 Feb;32(2):229–30

Distribution of laminin, fibronectin, and interstitial collagen type III in soft tissue tumours. d'Ardenne AJ, et al. **J Clin Pathol** 1984 Aug;37(8):895–904

Soft tissue T cell lymphoma of the forearm: a case report. Ellstein J, et al. **J Hand Surg [Am]** 1984 May;9(3):346–50

Extraosseous chondrosarcoma of the wrist: a case report. Stackhouse TG, et al. **J Hand Surg [Am]** 1984 May; 9(3):338–42

Epithelioid sarcoma in the hand. Archer IA, et al. **J Hand Surg [Br]** 1984 Jun;9(2):207–9

Inflammatory fibrous histiocytoma. Tudisco C, et al. **J Pediatr Orthop** 1984 Aug;4(4):495–7

A painless mass in the left thigh of an 11–year–old girl [clinical conference] **NY State J Med** 1984 Jan;84(1):20–2

Diagnosis of soft tissue sarcomas. Enjoji M, et al. **Pathol Res Pract** 1984 Jan;178(3):215–26

Malignant hemangiopericytoma and other sarcomas with hemangiopericytoma–like pattern. Tsuneyoshi M, et al. **Pathol Res Pract** 1984 May;178(5):446–53

Synovial sarcoma: an Australian series of 48 cases. Zito RA. **Pathology** 1984 Jan;16(1):45–52

[Malignant giant cell tumor of soft tissue of the nasopharynx—a report of 2 cases] Zhang XB. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):213–5 (Eng. Abstr.) **(Chi)**

[Biopsy technic in bone and soft tissue cancer] Xiang GY. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):150–2 **(Chi)**

[Extraskeletal Ewing's sarcoma. Anatomo–clinical study of a new case] Demeocq F, et al. **Pediatrie** 1983 Oct–Nov; 38(7):475–8 (Eng. Abstr.) **(Fre)**

[Chondrosarcoma of soft tissue. Apropos of a case] Pusel J, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2061–4 (Eng. Abstr.) **(Fre)**

[Aggressive fibromatoses] Döhler JR, et al. **Chirurg** 1984 Mar;55(3):174–8 (Eng. Abstr.) **(Ger)**

[Extra–abdominal fibromatosis. A case report on an often problematic disease] Jauch KW, et al. **Chirurg** 1983 Oct; 54(10):690–2 **(Ger)**

[Pathology of malignant soft tissue tumors] Schauer A, et al. **Chirurg** 1983 Oct;54(10):629–38 (24 ref.) **(Ger)**

[Liposarcoma. The Ulm collection of rare tumors (V)] Baczako K, et al. **Lebensversicherungsmedizin** 1984 Feb 10; 36(2):38–41 (32 ref.) (Eng. Abstr.) **(Ger)**

[Pathology of the most common malignant soft tissue tumors] Donhuijsen K, et al. **Radiologe** 1983 Nov;23(11):491–501 (Eng. Abstr.) **(Ger)**

[Myxofibrosarcoma] Kirchner T, et al. **Zentralbl Allg Pathol** 1983;128(3–4):207–15 (Eng. Abstr.) **(Ger)**

[Case of tenosynovial sarcoma] Coluccino V, et al. **Pathologica** 1983 Nov–Dec;75(1040):881–6 (Eng. Abstr.) **(Ita)**

[Alveolar sarcoma of soft tissue] Lamendola MG, et al. **Pathologica** 1984 Mar–Apr;76(1042):227–40 (Eng. Abstr.) **(Ita)**

[Case of synovial sarcoma in an infant] Hayashi Y, et al. **Gan No Rinsho** 1983 Oct;29(12):1480–5 (Eng. Abstr.) **(Jpn)**

[Case of epithelioid sarcoma of the lower extremity] Matsuo S, et al. **Gan No Rinsho** 1983 Sep;29(11):1379–84 (Eng. Abstr.) **(Jpn)**

[A case of carcinoma originating from accessory breast tissue of the axilla] Matsuoka H, et al. **Gan No Rinsho** 1984 Apr; 30(4):387–91 (Eng. Abstr.) **(Jpn)**

[Four case reports of sarcoma combined with carcinoma] Ubayama Y, et al. **Gan No Rinsho** 1984 Jun;30(7):827–33 (Eng. Abstr.) **(Jpn)**

[Soft tissue sarcoma] **Rinsho Hoshasen** 1980 Dec; 25(13):1415–6 **(Jpn)**

[Chordoid sarcoma] Ivanenko SN, et al. **Arkh Patol** 1984; 46(6):72–4 (Eng. Abstr.) **(Rus)**

[Mesenchymal chondrosarcoma of soft tissues] Poroshin KK, et al. **Arkh Patol** 1984;46(1):66–8 (Eng. Abstr.) **(Rus)**

[Myofibroblasts in desmoids] Shekhonin BV, et al. **Arkh Patol** 1984;46(1):31–6 (Eng. Abstr.) **(Rus)**

[Madelung's lipoma] Kuzin MI, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):14–8 **(Rus)**

[Cytological diagnosis of myxoid liposarcoma] Tikhomirova EE. **Lab Delo** 1984;(5):263–5 (Eng. Abstr.) **(Rus)**

[Malignant hemangiopericytoma (letter)] Colmenero Castillo JD, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):548–9 **(Spa)**

PHYSIOPATHOLOGY

[Body build and soft tissue malignancies] Kolodchenko VP. **Vopr Onkol** 1983;29(12):56–60 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Specimen radiography of bone tumours. Jensen OM, et al. **Acta Radiol [Oncol]** 1984;23(2–3):119–25

Synovial sarcoma in childhood. Israels SJ, et al. **AJR** 1984 Apr;142(4):803–6

Intramuscular myxoma. Case report and review of the literature. Feldman RH, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):76–81

Computed tomography in the evaluation of plexopathies and proximal neuropathies. Stewart JD, et al. **Can J Neurol Sci** 1983 Nov;10(4):244–7

Computed tomography in the diagnosis and management of paravertebral masses. Doubilet PM, et al. **Comput Radiol** 1984 Mar–Apr;8(2):101–6

Computed tomography and radiotherapy in giant hemangioma with thrombocytopenia. Shah K. **Comput Radiol** 1983 Sep–Oct;7(5):319–22

Alveolar soft part sarcoma: CT findings. Radin DR, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):344–5

Computed tomography of the hindfoot. Seltzer SE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):488–97

Cervical chordoma presenting with intervertebral foramen enlargement mimicking neurofibroma: CT findings. Wang AM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):529–32

Computed tomography in the evaluation of the gluteal region. Fisher MR, et al. **J Pediatr Orthop** 1983 Sep; 3(4):516–22

Lymphangiomatosis of bone and soft tissue (results of lymphangiographic examinations). Tsyb AF, et al. **Lymphology** 1983 Sep;16(3):181–4

CT of the soft tissue structures of the neck. Reede DL, et al. **Radiol Clin North Am** 1984 Mar;22(1):239–50

Leiomyosarcoma: computed tomographic findings. McLeod AJ, et al. **Radiology** 1984 Jul;152(1):133–6

Case report 253. Gardner syndrome with aggressive fibromatosis. Bessler W, et al. **Skeletal Radiol** 1984; 11(1):56–9

Case report 275. Galuten A, et al. **Skeletal Radiol** 1984; 11(4):310

[Benign angiographic picture in diseases of the bones and soft tissues. Comparison with thermographic findings] Chudáček Z. **Cesk Radiol** 1983 Nov;37(6):361–9 (Eng. Abstr.) **(Cze)**

[Tomodensitometric aspects of sarcoma of the soft tissue of the extremities in adults] Guibert JL, et al. **J Radiol** 1983 Aug–Sep;64(8–9):489–94 (Eng. Abstr.) **(Fre)**

[Experience in the diagnosis of soft tissue tumors of the extremities using computed tomography] Jügelt U, et al. **Chirurg** 1983 Oct;54(10):660–3 **(Ger)**

[Computer tomography in primary soft tissue tumors] Robotti G, et al. **Digitale Bilddiagn** 1984 Mar;4(1):8–13 (Eng. Abstr.) **(Ger)**

[Computer tomography in pathologic soft tissue processes] Tellkamp H, et al. **Radiol Diagn (Berl)** 1983;24(6):727–35 (Eng. Abstr.) **(Ger)**

[Benign disorders of soft tissue on the roentgen computer tomogram] Buck J, et al. **Radiologe** 1983 Nov;23(11):485–90 (Eng. Abstr.) **(Ger)**

[Computed tomography in orthopedic radiology] Fuchs WA. **Radiologe** 1984 May;24(5):201–4 (26 ref.) (Eng. Abstr.) **(Ger)**

[Radiologic diagnosis of malignant peripheral soft tissue tumors] Peters PE, et al. **Radiologe** 1983 Nov;23(11):502–11 (Eng. Abstr.) **(Ger)**

[Unusual muscle variant in the differential diagnosis of a soft tissue tumor] Dähnert W, et al. **Rontgenblatter** 1983 Dec; 36(12):425–7 (Eng. Abstr.) **(Ger)**

[Value of angiography in hemangiopericytomas] Kónya A, et al. **Rontgenblatter** 1983 Oct;36(10):328–31 (Eng. Abstr.) **(Ger)**

[Roentgenographic studies of soft tissues with special reference to small tumors and nodules] Kamiya S. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):672–80 (Eng. Abstr.) **(Jpn)**

[Computer tomography in the diagnosis of intrapelvic soft tissue tumors] Ternovoi KS, et al. **Klin Khir** 1984 May; (5):4–6 (Eng. Abstr.) **(Rus)**

[A case of malignant tumor of the diaphragm] Nikolaevskaia RP. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):83–5 **(Rus)**

[Lymphangiographic study in lymphangiomatosis of the bones and soft tissues] Tsyb AF, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):51–5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Detection of malignant soft tissue tumors in bone imaging. Vorne M, et al. **Eur J Nucl Med** 1984;9(4):180–4

The clinical value of bone and gallium scintigraphy for soft–tissue sarcomas of the extremities. Kirchner PT, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):319–27

Rhabdomyosarcoma concentrating Tc–99m MDP [letter] Casara D, et al. **J Nucl Med** 1983 Nov;24(11):1082–3

Regional blood–flow measurement in rabbit soft–tissue tumor with positron imaging using the C15O2 steady–state and labeled microspheres. Kairento AL, et al. **J Nucl Med** 1983 Dec;24(12):1135–42

Tc–99m MDP and Ga–67 citrate accumulation in cutaneous metastases from colon carcinoma [letter] Palestro CJ, et al. **J Nucl Med** 1983 Dec;24(12):1202–3

RADIOTHERAPY

Preoperative radiation therapy of high malignancy grade soft tissue sarcoma. A preliminary investigation. Månsson E, et al. **Acta Radiol [Oncol]** 1983;22(6):461–4

Radiation and conservative surgery in the treatment of soft tissue sarcoma. Wood WC, et al. **Am J Surg** 1984 Apr; 147(4):537–41

A simple isocentric technique for irradiation of the breast, chest wall and peripheral lymphatics. Podgorsak EB, et al. **Br J Radiol** 1984 Jan;57(673):57–63

Radiotherapy of soft tissue sarcomas with neutrons or a neutron boost. Schmitt G, et al. **Br J Radiol** 1984 Mar; 57(675):247–50

Response of sarcomas of bone and of soft tissue to neutron beam therapy. Cohen L, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun;10(6):821–4

Radiation therapy of retroperitoneal soft tissue sarcomas. Tepper JE, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun; 10(6):825–30

[Radiotherapy of soft tissue sarcomas] Franke HD, et al. **Chirurg** 1983 Oct;54(10):652–9 (15 ref.) **(Ger)**

[Radiotherapy (= Radiologic therapy of skeletal and soft tissue diseases). 22d Radiologists' Congress, 25–29 October 1982, Karl Marx Stadt] **Radiobiol Radiother (Berl)** 1983; 24(3):409–26 **(Ger)**

[Results of radiotherapy of primary malignant soft tissue tumors and demonstration of the efficiency of photon radiation for fibrosarcomas] Eberhardt HJ, et al. **Radiobiol Radiother (Berl)** 1984;25(1):69–76 (Eng. Abstr.) **(Ger)**

[Results of neutron therapy in radiation resistant soft tissue tumors] Eichhorn HJ, et al. **Radiobiol Radiother (Berl)** 1984; 25(2):273–8 (Eng. Abstr.) **(Ger)**

[Radiotherapeutic possibilities in relation to malignant soft tissue tumors] Pfeiffer J. **Radiobiol Radiother (Berl)** 1984; 25(1):59–67 (Eng. Abstr.) **(Ger)**

[Significance of radiotherapy in the treatment of soft tissue sarcomas] Schmitt G, et al. **Radiologe** 1983 Nov; 23(11):518–22 (Eng. Abstr.) **(Ger)**

[Peripheral soft tissue sarcomas. A retrospective study on

90 primary treatment patients] Ries G, et al. **Strahlentherapie** 1984 Jun;160(6):357–62 (Eng. Abstr.) **(Ger)**

[Significance of radiotherapy for the treatment of primary bone and soft tissue sarcomas] Schmitt G, et al. **Strahlentherapie** 1984 Feb;160(2):96–9 (Eng. Abstr.) **(Ger)**

[Radiation side effects of neutron and photon therapy of soft tissue sarcomas. Results of a 4-year pilot study] Schnabel K, et al. **Strahlentherapie** 1983 Sep;159(9):537–42 (Eng. Abstr.) **(Ger)**

[Osteosarcoma: 2d malignant tumor following treatment with radiotherapy] Couselo Sánchez JM, et al. **Rev Esp Oncol** 1982;29(2):307–15 (Eng. Abstr.) **(Spa)**

REHABILITATION

Soft tissue sarcoma: functional outcome after wide local excision and radiation therapy. Lampert MH, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):477–80

SECONDARY

Treatment of metastatic prostate cancer. An analysis of response criteria in patients with measurable soft tissue disease. Citrin DL, et al. **Cancer** 1984 Jul 1;54(1):13–7

Accumulation of MDP in primary childhood hepatic malignancies and their metastases. Mandell GA, et al. **Clin Nucl Med** 1983 Dec;8(12):594–6

Clinical significance of routine follow-up examinations in patients with metastatic cancer of the prostate under hormone treatment. Fossâ SD, et al. **Eur Urol** 1983; 9(5):262–6

Detection of subcutaneous metastases by computed tomography. Dunnick NR, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):275–9

Skeletal muscle metastasis from prostatic carcinoma. Ward AJ, et al. **J Urol** 1984 Apr;131(4):769

Bone and soft tissue sarcomas in the follow-up of Hodgkin's disease. Zanini M, et al. **Tumori** 1983 Oct 31;69(5):473–6

[Heterotopic ossification in the skeletal muscle metastases of advanced stomach cancer] Fujiwara R, et al. **Gan No Rinsho** 1983 Oct;29(12):1471–5 (Eng. Abstr.) **(Jpn)**

[Laryngeal chondroma with external growth] Iarlykov SA, et al. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):75 **(Rus)**

SECRETION

Sarcoma of bone and soft tissue following treatment of Hodgkin's disease. Halperin EC, et al. **Cancer** 1984 Jan 15;53(2):232–6 (23 ref.)

SURGERY

Management of patients with soft-tissue tumors. Strategy developed at a regional oncology center. Rydholm A. **Acta Orthop Scand [Suppl]** 1983;203:13–77

Limb salvage for skeletal and soft tissue sarcomas. Multidisciplinary preoperative therapy. Eilber FR, et al. **Cancer** 1984 Jun 15;53(12):2579–84

Control of locally advanced extremity soft tissue sarcomas by function-saving resection and brachytherapy. Shiu MH, et al. **Cancer** 1984 Mar 15;53(6):1385–92

Progress in limb salvage for bone and soft-tissue sarcomas. Eilber FR. **Int Adv Surg Oncol** 1984;7:141–52

Digital lipoma of the foot: an extraordinary case. Lisch M, et al. **J Foot Surg** 1982 Winter;21(4):330–4

Multiple recurring plantar fibromatosis and its surgical excision. Wiseman GG. **J Foot Surg** 1983 Summer; 22(2):121–5

Primary retroperitoneal soft-tissue sarcomas. Adam YG, et al. **J Surg Oncol** 1984 Jan;25(1):8–11

Malignant soft tissue tumors of nerve sheath origin. Nambisan RN, et al. **J Surg Oncol** 1984 Apr;25(4):268–72

Soft tissue chondrosarcoma of the back—a case report. Chattopadhyay TK, et al. **Jpn J Surg** 1983 May; 13(3):258–60

Tumors of the hand. House JH, et al. **Minn Med** 1983 Aug; 66(8):483–6

Recurrent desmoid tumour of the abdomen and thorax. A case report. Campbell G, et al. **S Afr Med J** 1984 Aug 25;66(8):309–10

[Segmental tumorectomy—a report of 8 cases] Yue XX. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):206–9 (Eng. Abstr.) **(Chi)**

[Liposarcoma: report of 33 cases] Shi D. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):562–3 (Eng. Abstr.) **(Chi)**

[Surgery of malignant soft tissue tumors] Castrup HJ. **Chirurg** 1983 Oct;54(10):639–42 (14 ref.) **(Ger)**

[2 variant plastic defect coverings after resection of extensive tumors of the extremities] Jaeger K, et al. **Chirurg** 1983 Oct;54(10):687–9 **(Ger)**

[Curative limb saving operation (curative wide resection)] Kawaguchi N, et al. **Gan To Kagaku Ryoho** 1984 Sep; 11(9):1736–45 (Eng. Abstr.) **(Jpn)**

[Aggressive infantile fibromatosis: case report] Nio Y, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):263–9 (Eng. Abstr.) **(Jpn)**

[Use of the Scalpel-1 laser unit for treating maxillofacial tumors] Shargorodskii AG, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):51–2 (Eng. Abstr.) **(Rus)**

[Interiliac-abdominal amputation in sarcoma of the bones and soft tissues of the pelvic girdle] Stoliarov VI, et al. **Vestn Khir** 1983 Nov;131(11):60–4 (Eng. Abstr.) **(Rus)**

[Organ-saving surgical treatment of giant cell tumors of the fibro-synovial apparatus of the hand tendons] Usol'tseva EV, et al. **Vestn Khir** 1983 Oct;131(10):110–3 **(Rus)**

THERAPY

Soft tissue sarcomas in adults. Surgical, radiologic and cytotoxic treatment. Arnoldi C, et al. **Acta Radiol [Oncol]** 1984;23(2–3):169–75

Doxorubicin, cyclophosphamide, and whole body hyperthermia for treatment of advanced soft tissue sarcoma. Gerad H, et al. **Cancer** 1984 Jun 15;53(12):2585–91

Morton's interdigital neuroma. Indications for treatment by local injections versus surgery. Greenfield J, et al. **Clin Orthop** 1984 May;(185):142–4

Soft tissue sarcomas of the extremity. Eilber FR. **Curr Probl Cancer** 1984 Mar;8(9):3–41 (101 ref.)

15 years' experience with hyperthermic perfusion for treatment of soft tissue sarcoma and malignant melanoma of the extremities. Stehlin JS Jr, et al. **Front Radiat Ther Oncol** 1984;18:177–82

Preoperative chemotherapy and irradiation in the treatment of soft tissue sarcomas of the lower extremities: preliminary report of experience at Henry Ford Hospital. Nathanson SD. **Henry Ford Hosp Med J** 1984;32(1):31–8

Extraskeletal Ewing's sarcoma: results of combined modality treatment. Kinsella TJ, et al. **J Clin Oncol** 1983 Aug; 1(8):489–95

Malignant fibrous histiocytomas in children. Tracy T Jr, et al. **J Pediatr Surg** 1984 Feb;19(1):81–3

Synovial sarcoma. A review of treatment and survival in 52 patients. Rajpal S, et al. **NY State J Med** 1984 Jan; 84(1):17–9

Limb salvage in extremity soft-tissue sarcoma: combined modality therapy. Mantravadi RV, et al. **Radiology** 1984 Aug;152(2):523–6

Chondrosarcoma in children subsequent to other malignant tumours in different locations. Vanel D, et al. **Skeletal Radiol** 1984;11(2):96–101

Preoperative regional chemotherapy and rapid-fraction irradiation for sarcomas of the soft tissue and bone. Denton JW, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):545–51

[Treatment of malignant soft tissue tumor] Kawaguchi T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar;58(3):373–90 **(Jpn)**

[Treatment of patients with angiosarcoma] Guzhov VK. **Khirurgiia (Mosk)** 1984 Jun;(6):37–9 (Eng. Abstr.) **(Rus)**

[Treatment of patients with recurrence of soft tissue sarcoma] Vitsyn BA, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):84–6 (Eng. Abstr.) **(Rus)**

[Treatment of patients with soft tissue neoplasms] Trishkin VA, et al. **Vopr Onkol** 1984;30(4):9–14 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An ultrastructural study of extraskeletal Ewing's sarcoma. Komiya S, et al. **Acta Pathol Jpn** 1984 Mar;34(2):445–58

Alveolar soft-part sarcoma. A review on its histogenesis and further studies based on electron microscopy, immunohistochemistry, and biochemistry. Mukai M, et al. **Am J Surg Pathol** 1983 Oct;7(7):679–89

Enzyme histochemistry of malignant fibroblastic histiocytic tumors. A light and electron microscopic analysis. Magnusson B, et al. **Appl Pathol** 1983;1(4):223–40

Extraskeletal myxoid chondrosarcoma. A case report with histochemical and ultrastructural features. Trono D, et al. **Appl Pathol** 1983;1(3):139–48

Recurrent endobronchial soft tissue tumors. Wang NS, et al. **Chest** 1984 Jun;85(6):787–91

Myxoid lipoma of oral soft tissue. A clinical and ultrastructural study. Chen SY, et al. **Oral Surg** 1984 Mar; 57(3):300–7

Ultrastructural features of cultured mature adipocyte precursors from adipose tissue in multiple symmetric lipomatosis. Cinti S, et al. **Ultrastruct Pathol** 1983 Sep–Oct; 5(2–3):145–52

An unusual soft tissue sarcoma in a 33-year-old male [letter] Herrera GA. **Ultrastruct Pathol** 1984;6(1):111–2

Ultrastructural similarities and differences of synovial sarcoma, epithelioid sarcoma, and clear cell sarcoma of the tendons and aponeuroses. Lombardi L, et al. **Ultrastruct Pathol** 1984;6(2–3):209–19

[Alveolar soft part sarcoma—clinical pathologic analysis and ultrastructural observation] Zhang RY. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):116–9 (Eng. Abstr.) **(Chi)**

[Malignant fibrous histiocytoma with granular cells] Fetissof F, et al. **Ann Pathol** 1984 Jan–Mar;4(1):49–53 (Eng. Abstr.) **(Fre)**

[Melanotic ectodermal tumor of infancy (melanotic progonoma)—an unusual soft tissue tumor] Stiller D, et al. **Zentralbl Allg Pathol** 1983;128(5–6):307–16 (Eng. Abstr.) **(Ger)**

[Ultrastructure of human embryonal liposarcoma] Kats VA, et al. **Arkh Patol** 1984;46(5):38–45 (Eng. Abstr.) **(Rus)**

[New data on the histogenesis of connective tissue tumors] Smol'iannikov AV, et al. **Arkh Patol** 1984;46(1):3–13 (Eng. Abstr.) **(Rus)**

VETERINARY

Fibromatosis in a horse. Ihrke PJ, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1100–2

Giant cell tumor of soft parts in six horses. Render JA, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):790–3

Spontaneous rhabdomyosarcoma in a young rat. Minato Y, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):837–42

Malignant fibrous histiocytoma involving the digit in a cat. Renlund RC, et al. **Vet Pathol** 1984 Jul;21(4):442–4

[Surgical and chemotherapeutic treatment of fibrosarcoma in a cat] Odendaal JS, et al. **J S Afr Vet Assoc** 1983 Sep; 54(3):205–8 (Eng. Abstr.) **(Afr)**

SOIL

Isolation of infective Cooperia larvae from soil samples. Grønvold J. **Acta Vet Scand** 1984;25(1):139–42

Carcinoma of the paranasal sinus—a possible new aetiology? Herity B. **Br J Cancer** 1984 Mar;49(3):371–3

Actual hazard of methyl bromide fumigation in soil disinfection [letter] Keeble CJ. **Br J Ind Med** 1984 May; 41(2):282–3

Fate of chemicals in plant-soil systems: comparison of laboratory test data with results of open air long-term experiments. Scheunert I, et al. **Ecotoxicol Environ Safety** 1983 Aug;7(4):390–9

Long-term reactivity of lung and mediastinal lymph nodes following intratracheal instillation of sandy loam soil or Mount St. Helens volcanic ash. Sanders CL, et al. **Environ Res** 1983 Oct;32(1):188–98

Incorporation of xenobiotics into soil humus. Bollag JM, et al. **Experientia** 1983 Nov 15;39(11):1221–31 (128 ref.)

Conservative management of sand aspiration: case report. Bender EM, et al. **Milit Med** 1984 Feb;149(2):98–9

Indirect effects of soil and water on animal health. Horvath DJ, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):143–56

Soil type and the distribution of Lymnaea truncatula. Wright PS, et al. **Vet Rec** 1984 Mar 24;114(12):294–5

[Problem of heavy metals in soil and plants] Bovay E. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):607–19 **(Fre)**

[Fluoride osteosis of hydro-telluric origin in a female patient with renal insufficiency. Apropos of a case with histomorphometric analysis] Hurault de Ligny B, et al. **Sem Hop Paris** 1984 Jan 19;60(2):119–23 (Eng. Abstr.) **(Fre)**

[Permissible limit concentrations of heavy metals in the soil] Möller F. **Z Gesamte Hyg** 1983 Sep;29(9):519–23 (Eng. Abstr.) **(Ger)**

[Behavior of benzo(a)pyrene in the soil and passage from soil to crops] Fritz W. **Zentralbl Mikrobiol** 1983; 138(8):605–16 (Eng. Abstr.) **(Ger)**

[Stimulation of the natural self-purification of soil] Möller F. **Zentralbl Mikrobiol** 1983;138(8):595–604 (Eng. Abstr.) **(Ger)**

[Effect of sodium fluoride on soil properties and the development of agricultural crops] Gaponiuk EI, et al. **Gig Sanit** 1984 Jun;(6):77–9 **(Rus)**

[Conversion of plant waste on a solid substrate for a biological life support system of humans] Shepelev EIa, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):71–4 (Eng. Abstr.) **(Rus)**

[Soil contamination by Toxocara eggs at Moscow preschool institutions and its sources] Vereta LE, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):19–22 (Eng. Abstr.) **(Rus)**

ANALYSIS

Occurrence of bound muramic acid and alpha, epsilon-diaminopimelic acid in soil and comparison of their contents with bacterial biomass. Durska G, et al. **Acta Microbiol Pol** 1983;32(3):257–63

Lead concentrations in inner-city soils as a factor in the child lead problem. Mielke HW, et al. **Am J Public Health** 1983 Dec;73(12):1366–9

The geochemistry of terpenoids and steroids. Brassell SC, et al. **Biochem Soc Trans** 1983 Oct;11(5):575–86

Movement of aldicarb in different soil types. Awad TM, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):377–82

Elemental composition of potted vegetables and millet grown on hard coal bottom ash-amended soil. Cary EE, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):418–23

Mass balance of 14C-pentachloronitrobenzene and metabolites in a closed, aerated soil-plant or soil-system. Kamal M, et al. **Bull Environ Contam Toxicol** 1983 Nov; 31(5):559–65

Pyrolysis gas chromatography-mass spectrometry of polychlorinated biphenyls on sediment. McMurtrey KD, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):734–7

2,3,6-Trichlorophenylacetic acid (fenac) degradation in aqueous and soil systems. Rosenberg A. **Bull Environ Contam Toxicol** 1984 Apr;32(4):383–90

Epstein-Barr virus activation in Raji cells with ether extracts of soil from different areas in China. Zeng Y, et al. **Cancer Lett** 1984 May;23(1):53–9

Evidence for an intimate geochemical factor in the etiology of esophageal cancer. Kibblewhite MG, et al. **Environ Res** 1984 Apr;33(2):370–8

Urban lead levels in Minneapolis: the case of the Hmong children. Mielke HW, et al. **Environ Res** 1984 Jun; 34(1):64–76

The influence of soil parameters on 137Cs+-uptake by plants

from long-term fallout on forest clearings and grassland. Kühn W, et al. **Health Phys** 1984 May;46(5):1083–93

Ion-pair extraction cleanup for liquid chromatographic determination of bentazon in crops and soil. Akerblom M, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):653–5

The effect of aldicarb on nematode population and its persistence in carrots, soil and hydroponic solution. Lue LP, et al. **J Environ Sci Health [B]** 1984 Apr;19(3):343–54

Leads from the MMWR. Health-risk estimates for 2,3,7,8-tetrachlorodibenzodioxin in soil. **JAMA** 1984 Feb 17;251(7):878,883

Health-risk estimates for 2,3,7,8-tetrachlorodibenzodioxin in soil. **MMWR** 1984 Jan 27;33(3):25–7

Plutonium and radiocerium contents in shallow sea sediment collected off shore in Ibaraki Prefecture, Japan. Yamato A. **Radioisotopes** 1984 Feb;33(2):60–4

[Cesium-137 in soil and vegetation from Spitsbergen and continental Norway (Suldal) 1981] Kjos-Hanssen B, et al. **Nord Vet Med** 1982 Mar;34(3):98–100 (Eng. Abstr.) **(Dan)**

[Model tests on the passage of benzo(a)pyran from the soil into crops] Fritz W. **Z Gesamte Hyg** 1983 Jul;29(7):370–3 (Eng. Abstr.) **(Ger)**

[Model studies on the behavior of benzo-pyrans in the soil] Fritz W. **Z Gesamte Hyg** 1983 Jul;29(7):367–9 (Eng. Abstr.) **(Ger)**

[Determination of the mercury content within the range of nanograms in biologic material and soil samples using an efficient method of analysis – a decomposing method for organic soil material] Graeser K, et al. **Z Gesamte Hyg** 1983 Dec;29(12):734–7 (Eng. Abstr.) **(Ger)**

[Determination of the mercury content within the range of nanograms in biologic material and soil samples using an efficient method of analysis – technical solution to measuring the analytic method] Graeser K, et al. **Z Gesamte Hyg** 1983 Dec;29(12):737–9 (Eng. Abstr.) **(Ger)**

[Adsorption behavior of radioactive iodide and iodate in soil] Seki R, et al. **Radioisotopes** 1984 Feb;33(2):51–4 (Eng. Abstr.) **(Jpn)**

[Data for the regulation of soil contents of the herbicide, butyl ether 2,4–D] Naishtein SIa, et al. **Gig Sanit** 1983 Dec; (12):21–3 (Eng. Abstr.) **(Rus)**

[Water migration criterion of antimony hazards in a healthful determination of its maximum allowable concentration in soil] Rafel' IuB, et al. **Gig Sanit** 1983 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

[Perspectives of the detection and adoption of therapeutic volcanic muds from the Azerbaijan S.S.R.] Kadyrov AA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):65–6 **(Rus)**

SOIL MICROBIOLOGY

Occurrence of bound muramic acid and alpha, epsilon-diaminopimelic acid in soil and comparison of their contents with bacterial biomass. Durska G, et al. **Acta Microbiol Pol** 1983;32(3):257–63

Effect of pH on production of cytokinin-like substances by bacteria isolated from soil, rhizosphere and mycorrhizosphere of pine (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1984;33(1):77–85

Occurrence of Azospirillum in Polish soils. Kulińska D. **Acta Microbiol Pol** 1983;32(3):265–8

Cyanuric acid—a s-triazine derivative as a nitrogen source for some soil microorganisms. Myśków W, et al. **Acta Microbiol Pol** 1983;32(2):177–83

Accumulation, metabolism, and effects of organophosphorus insecticides on microorganisms. Lal R. **Adv Appl Microbiol** 1982;28:149–200 (208 ref.)

The behaviour of Azospirillum spp. in the presence of plant growth hormones. Silveira-Schrank I, et al. **Ann Microbiol (Paris)** 1983 May–Jun;134(3):411–4

Differentiation and melanin production in hyaline and pigmented strains of Microdochium bolleyi. Cooper LA, et al. **Antonie Van Leeuwenhoek** 1984;50(1):53–62

Agromonas oligotrophica gen. nov., sp. nov., a nitrogen-fixing oligotrophic bacterium. Ohta H, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):429–46

Bacillus polymyxa bacteriophages from Brazilian soils. Seldin L, et al. **Antonie Van Leeuwenhoek** 1984;50(1):39–51

Virus transport and survival after land application of sewage sludge. Bitton G, et al. **Appl Environ Microbiol** 1984 May; 47(5):905–9

Microtechnique for isolating fecal coliforms from soil. Hartel PG, et al. **Appl Environ Microbiol** 1983 Aug;46(2):518–20

Virus movement in soil during saturated and unsaturated flow. Lance JC, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):335–7

Ecology of pathogenic yeasts in Amazonian soil. Mok WY, et al. **Appl Environ Microbiol** 1984 Feb;47(2):390–4

Microbial metabolism of haloaromatics: isolation and properties of a chlorobenzene-degrading bacterium. Reineke W, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):395–402

Bacteriological quality of crops irrigated with wastewater in the Xochimilco plots, Mexico City, Mexico. Rosas I, et al. **Appl Environ Microbiol** 1984 May;47(5):1074–9

Metabolism of fensulfothion by a soil bacterium, Pseudomonas alcaligenes C1. Sheela S, et al. **Appl Environ Microbiol** 1983 Aug;46(2):475–9

Method for recovery of enteric viruses from estuarine sediments with chaotropic agents. Wait DA, et al. **Appl Environ Microbiol** 1983 Aug;46(2):379–85

Antagonistic and synergistic toxic effects of Pb and Cd in a simple foodchain: nematodes feeding on bacteria or fungi. Doelman P, et al. **Bull Environ Contam Toxicol** 1984 Jun; 32(6):717–23

Interaction effects of permethrin and atrazine combinations towards several nontarget microorganisms. Stratton GW. **Bull Environ Contam Toxicol** 1983 Sep;31(3):297–303

Effect of 2,4–D on electron transport system (ETS) activity and respiration in soil. Trevors JT, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):595–8

Epidemiological survey of Corynebacterium equi infections on five Ontario horse farms. Prescott JF, et al. **Can J Comp Med** 1984 Jan;48(1):10–3

Role of rhizobitoxine in protecting soybean roots from Macrophomina phaseolina infection. Chakraborty U, et al. **Can J Microbiol** 1984 Mar;30(3):285–9

Microbiology of rice soils. Sethunathan N, et al. **CRC Crit Rev Microbiol** 1983;10(2):125–72 (438 ref.)

Electron transport system activity in soil, sediment, and pure cultures. Trevors JT. **CRC Crit Rev Microbiol** 1984; 11(2):83–100 (65 ref.)

Effects of toxic pollutants on indicator germs in large-scale solid-waste ecosystems. Knoll KH, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):463–74

The lipopolysaccharide of a chloridazon-degrading bacterium. Weisshaar R, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):155–61

Mineralization of 2,4–dichlorophenoxyacetic acid in soil previously enriched with organic substrates. Kunc F, et al. **Folia Microbiol (Praha)** 1984;29(2):156–61

Mineralization of 2,4–dichlorophenoxyacetic acid in soil simultaneously enriched with saccharides. Kunc F, et al. **Folia Microbiol (Praha)** 1984;29(2):148–55

A new antifungal antibiotic produced by Streptomyces galbus. Paul AK, et al. **Folia Microbiol (Praha)** 1983; 28(5):386–96

Degradation of 3-chlorobenzoate in soil by pseudomonads carrying biodegradative plasmids. Pertsova RN, et al. **Folia Microbiol (Praha)** 1984;29(3):242–7

Antifungal actinomycetes in soils of West Bengal. Paul AK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):18–22

Isolation of dermatophytes from rural and urban soil samples in premises of infected and non-infected animals. Chatterjee A, et al. **Int J Zoonoses** 1983 Jun;10(1):22–7

Novel transformations of i-cholesterol and 6 beta-methoxy-i-cholesterol by Moraxella sp. Rao MK, et al. **J Steroid Biochem** 1983 Oct;19(4):1391–5

Prevalence of Clostridium botulinum type C in substrates of phosphate-mine settling ponds and implications for epizootics of avian botulism. Marion WR, et al. **J Wildl Dis** 1983 Oct;19(4):302–7

Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6

Effect of geocarposphere temperature on pre-harvest colonization of drought-stressed peanuts by Aspergillus flavus and subsequent aflatoxin contamination. Blankenship PD, et al. **Mycopathologia** 1984 Mar 15;85(1–2):69–74

Keratinomyces ceretanicus sp. nov., a psychrophilic dermatophyte from soil. Punsola L, et al. **Mycopathologia** 1984 Apr 15;85(3):185–90

Effect of soil fungistasis on zoopathogenic fungi. Sharapov VM, et al. **Mycopathologia** 1984 Mar 15;85(1–2):121–8

Prevalence of dermatophytes and other keratinophilic fungi in soils of Madhya Pradesh (India). Deshmukh SK, et al. **Mykosen** 1983 Nov;26(11):574–7

Study on the survival of Histoplasma farciminosum in the environment. Gabal MA, et al. **Mykosen** 1983 Sep; 26(9):481–7

Occurrence and etiologic significance of Cryptococcus neoformans in a cutaneous lesion of a cat. Pal M, et al. **Mykosen** 1983 Dec;26(12):608–10

Distribution of mating types of the 'Microsporum gypseum complex' in Spanish soils. Punsola L, et al. **Mykosen** 1984 Apr;27(4):191–3

Petriellidosis (pseudallescheriasis) in southwestern Ontario, Canada. Bakerspigel A, et al. **Sabouraudia** 1984;22(3):247–9

Ecology of Rhodococcus equi. Barton MD, et al. **Vet Microbiol** 1984 Feb;9(1):65–76

Environmental conditions conducive to Fusarium toxin formation causing serious outbreaks in animals and man. Joffe AZ. **Vet Res Commun** 1983 Dec;7(1–4):187–93

Chronic, including teratogenic and carcinogenic effects of trichothecenes: a short review. Schoental R. **Vet Res Commun** 1983 Dec;7(1–4):165–70 (35 ref.)

A comparison of methods for the isolation of salmonellae from sewage sludge. Fricker CR. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):170–8

Entomopathogenic spore-formers from soil samples of mosquito habitats in northern Nigeria. Weiser J, et al. **Zentralbl Mikrobiol** 1984;139(1):49–55

[Isolation of a large aerobic sporulated sheathed bacteria from soil by elective culture] Pichinoty F. **Ann Microbiol (Paris)** 1983 Nov–Dec;134B(3):443–6 (Eng. Abstr.) **(Fre)**

[Study of yeast flora of medical interest on the beach of Saint Anne in Guadeloupe] Boiron P, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct;76(4):351–6 (Eng. Abstr.) **(Fre)**

[Tetracycline-like fluorescence in buried human skeleton parts] Piepenbrink H, et al. **Z Rechtsmed** 1983;91(1):71–4 (Eng. Abstr.) **(Ger)**

[Distribution of enterobacteria in soil following irrigation with waste water] Ahmed RE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):248–58 (Eng. Abstr.) **(Ger)**

[Evaluation of the use of bioindicators of spore-containing soil for the evaluation of steam sterilization in general practice conditions] Bergmann HJ. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):130–8 (Eng. Abstr.) **(Ger)**

[Bacteriological control of various methods of sewage sludge hygienization] Breer C. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):155–7 (Eng. Abstr.) **(Ger)**

[Microbiological studies of PVC packing sheets and sediments from a wet cooling tower] Filip Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):490–8 (Eng. Abstr.) **(Ger)**

[Pathogenicity of Acanthamoeba isolated from water] Janitschke K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):350–8 (Eng. Abstr.) **(Ger)**

[Communicable disease problems of sewage sludge] Strauch D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):142–54 (Eng. Abstr.) **(Ger)**

[Stimulation of the natural self-purification of soil] Möller F. **Zentralbl Mikrobiol** 1983;138(8):595–604 (Eng. Abstr.) **(Ger)**

[Atypical mycobacteria isolated from soil and water] Biondi M, et al. **Ann Sclavo** 1982 Sep–Oct;24(5):496–502 (Eng. Abstr.) **(Ita)**

[Evolution of microflora during the conservation of forage in microsilos] Ozino Marletto OI, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):69–81 (Eng. Abstr.) **(Ita)**

[Terrestrial and autochthonous flora of sea water: simultaneous study in sediment and surface waters] Sebastiani Annicchiarico L, et al. **Nuovi Ann Ig Microbiol** 198? Jul–Dec;33(4–6):853–67 (Eng. Abstr.) **(Ita)**

[Ecological distribution of Legionella species in Japan and pathogenicity of environmental isolates] Ito N. **Kansenshogaku Zasshi** 1983 Aug;57(8):682–94 (Eng. Abstr.) **(Jpn)**

[Isolation of Legionella spp. from environmental samples in the Okayama area] Nakahama C. **Kansenshogaku Zasshi** 1983 Aug;57(8):643–55 (Eng. Abstr.) **(Jpn)**

[Research on Listeria monocytogenes in soils] Hofer E, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):45–53 (Eng. Abstr.) **(Por)**

[Methodical approach to sanitary-hygienic evaluation of biological contamination of the environment] Akhundov VIu, et al. **Gig Sanit** 1984 Mar;(3):55–7 **(Rus)**

[Viability of Proteus vulgaris in water and soil at different temperatures] Alton LV. **Gig Sanit** 1983 Oct;(10):74–5 **(Rus)**

[Biological activity of soil microorganisms as an indicator of the toxic effects of acrex and metathione] Ivashina SA. **Gig Sanit** 1983 Dec;(12):65–6 **(Rus)**

[Selection and biochemical activity of a microbial biocenosis in the process of concentrated sewage treatment] Naumova RP, et al. **Mikrobiologiia** 1983 May–Jun;52(3):505–11 (Eng. Abstr.) **(Rus)**

[3,4-dichloroaniline—a nitrogen and carbon source for a mixed culture of microorganisms] Surovtseva EG, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):10–5 (Eng. Abstr.) **(Rus)**

[Leptospira population ecology. II. An attempt to assess the number in the soil and the epizootic potential of infected spots] Golubev MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):106–9 (Eng. Abstr.) **(Rus)**

[Mechanism of the maintenance of the infective capacity of soil in a natural focus of leptospirosis] Golubev MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):43–6 (Eng. Abstr.) **(Rus)**

[Mapping method in the epidemiological study of infections and infestations. II. Soil characteristics in localities permanently at risk for anthrax] Kas'ianenko AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):90–5 (Eng. Abstr.) **(Rus)**

[Cartographic method in the epidemiological study of infections and infestations. III. The study of patterns of tetanus spread in relation to edaphic factors] Rudichenko VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb; (2):73–9 (Eng. Abstr.) **(Rus)**

SOIL POLLUTANTS

Land disposal and spill site environments. Middleton AC. **Basic Life Sci** 1984;28:137–49

Incorporation of xenobiotics into soil humus. Bollag JM, et al. **Experientia** 1983 Nov 15;39(11):1221–31 (128 ref.)

Use of specialized microbial strains in the treatment of industrial waste and in soil decontamination. Finn RK. **Experientia** 1983 Nov 15;39(11):1231–6 (40 ref.)

Rainsplash as a mechanism for soil contamination of plant surfaces. Dreicer M, et al. **Health Phys** 1984 Jan; 46(1):177–87

The influence of soil parameters on 137Cs+-uptake by plants

from long-term fallout on forest clearings and grassland. Kühn W, et al. **Health Phys** 1984 May;46(5):1083-93
Establishment of a field plot to study the behavior of cesium-137 in the environment. McIlhenny RC, et al. **Health Phys** 1983 Dec;45(6):1050-2
A relationship between plutonium activity densities of airborne and surface soils. Schmel GA. **Health Phys** 1983 Dec;45(6):1047-50
Soil ingestion by cattle: a neglected pathway. Zach R, et al. **Health Phys** 1984 Feb;46(2):426-31
Dioxin in soil: bioavailability after ingestion by rats and guinea pigs. McConnell EE, et al. **Science** 1984 Mar 9; 223(4640):1077-9
[Housing estates - geomedical problems] Holmsen E, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):175-7 (Eng. Abstr.) (Nor)
[Effect of sodium fluoride on soil properties and the development of agricultural crops] Gaponiuk EI, et al. **Gig Sanit** 1984 Jun;(6):77-9 (Rus)

ANALYSIS

Determination of dialkyllead, trialkyllead, tetraalkyllead, and lead(II) compounds in sediment and biological samples. Chau YK, et al. **Anal Chem** 1984 Feb;56(2):271-4
Metabolism of chlorobiphenyls in soil. Fries GF, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):6-12
Cadmium - a complex environmental problem. Part II. Cadmium in sludges used as fertilizer. Davis RD. **Experientia** 1984 Feb 15;40(2):117-26
Behavior of radionuclides in sanitary landfills. Chang KC, et al. **Health Phys** 1984 Jan;46(1):45-53
Movement of radiostrontium in the soil profile in an arid climate. Cline JF, et al. **Health Phys** 1984 May;46(5):1136-8
Distribution of radionuclides in Dardanelle Reservoir sediments. Forgy JR, et al. **Health Phys** 1984 Feb; 46(2):335-45
Field and greenhouse experiments on the fate of technetium in plants and soil. Garten CT Jr, et al. **Health Phys** 1984 Mar;46(3):647-56
Determination of 240Pu/239Pu ratio in environmental samples based on the measurement of Lx/alpha-ray activity ratio. Komura K, et al. **Health Phys** 1984 Jun;46(6):1213-9
Geochemical and radiological characterization of soils from former radium processing sites. Landa ER. **Health Phys** 1984 Feb;46(2):385-94
Transuranic elements in Nyu Bay sediments. Yamamoto M, et al. **Health Phys** 1984 Feb;46(2):455-60
Chlorinated compounds and phenols in tissue, fat, and blood from rats fed industrial waste site soil extract: methods and analysis. Stein VB, et al. **J Assoc Off Anal Chem** 1984 Jan-Feb;67(1):111-6
Uranium isotopes in Hiroshima 'black rain' soil. Takada J, et al. **J Radiat Res (Tokyo)** 1983 Sep;24(3):229-36
241Am and plutonium in Japanese rice-field surface soils. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1983 Sep; 24(3):237-49
Discrimination of the plutonium due to atomic explosion in 1945 from global fallout plutonium in Nagasaki soil. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1983 Sep; 24(3):250-8
Selenium in particulates and gaseous fractions of smoke from cigarettes prepared from tobacco grown on fly-ash-amended soil. Gutenmann WH, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2-3):385-93
The transfer of strontium-90 and caesium-137 to milk in a dairy herd grazing near a major nuclear installation. Sumerling TJ, et al. **Sci Total Environ** 1984 Mar 1; 34(1-2):57-72
Studies on transformations of plutonium-239 and americium-241 in three major Indian soils. Vyas BN, et al. **Sci Total Environ** 1984 Jan 13;32(2):183-95
[Distribution of hydrocarbon residues in the sediment from Bizerte lagoon (Northern Tunisia)] Soussi N. **Arch Inst Pasteur Tunis** 1983 Mar-Sep;60(1-2):21-8 (Eng. Abstr.) (Fre)
[Preliminary studies on the aromatic polycyclic hydrocarbon content of the soil and dust in Cracow] Mikolajek A, et al. **Folia Med Cracov** 1982-83;24(3-4):229-41 (Eng. Abstr.) (Pol)
[Effect of dust emission in the area of steel and electric power plants on various trace element contents of selected vegetables and fruit. I. Lead, cadmium, zinc, copper, nickel and iron contents of vegetables] Bloniarz J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):29-35 (Eng. Abstr.) (Pol)
[Cadmium content of airborne dust, soil and vegetables grown in the upper Silesian Industrial Region] Marchwińska E, et al. **Rocz Panstw Zakl Hig** 1984; 35(1):23-8 (Eng. Abstr.) (Pol)
[Hygienic evaluation of agronomic standards for applying mineral fertilizers to the soil] Cherviakova TB. **Gig Sanit** 1983 Nov;(11):27-9 (Eng. Abstr.) (Rus)
[Comparative study of polycyclic aromatic hydrocarbons in air and soil pollutants using a modified method of low-temperature spectrofluorimetry in liquid chromatography] Khesina AIa, et al. **Gig Sanit** 1983 Dec; (12):46-50 (Rus)
[Chromatographic methods of determining botran in water, soil and plants] Krasnykh AA, et al. **Gig Sanit** 1984 Jan; (1):50 (Rus)
[Heavy metal dispersion halos on the territory adjacent to a highway] Makarova AI, et al. **Gig Sanit** 1983 Jul;(7):63-4 (Rus)
[Sanitary hygiene evaluation of the recultivation of closed disposal sites for solid domestic wastes] Raznoshchik VV. **Gig Sanit** 1983 Oct;(10):76-7 (Rus)
[Organization of the laboratory control of environmental protection measures] Gudkov VI, et al. **Voen Med Zh** 1984 Jan;(1):44-5 (Rus)

ISOLATION & PURIFICATION

Oxalic acid enhancement of recoveries of organochlorine insecticides and polychlorobiphenyls in estuarine sediment using cyclic steam distillation. Chang-Yen I, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):657-60
Epstein-Barr virus activation in Raji cells with ether extracts of soil from different areas in China. Zeng Y, et al. **Cancer Lett** 1984 May;23(1):53-9

METABOLISM

Lead absorption in cows: biological indicators of ambient lead exposure. Karačić V, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):290-4

TOXICITY

Antagonistic and synergistic toxic effects of Pb and Cd in a simple foodchain: nematodes feeding on bacteria or fungi. Doelman P, et al. **Bull Environ Contam Toxicol** 1984 Jun; 32(6):717-23
Survivorship of meadow voles, Microtus pennsylvanicus, from sewage sludge-treated fields. Maly MS. **Bull Environ Contam Toxicol** 1984 Jun;32(6):724-31
Effect of insecticides on soil algal population. Muralikrishna PV, et al. **Bull Environ Contam Toxicol** 1984 Aug; 33(2):241-5
Effects of toxic pollutants on indicator germs in large-scale solid-waste ecosystems. Knoll KH, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):463-74
Subchronic exposure of mice to Love Canal soil contaminants. Silkworth JB, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):231-9
[Permissible limit concentrations of heavy metals in the soil] Möller F. **Z Gesamte Hyg** 1983 Sep;29(9):519-23 (Eng. Abstr.) (Ger)
[Hygienic establishment of the maximum permissible concentration of manganese in soil] Karalashvili MM. **Gig Sanit** 1983 Jul;(7):90-2 (Rus)
[Data on establishing the maximum permissible concentration of acetaldehyde in soil] Sergienko LI. **Gig Sanit** 1984 Feb; (2):69-72 (Rus)

SOIL POLLUTANTS, RADIOACTIVE see under **SOIL POLLUTANTS**

SOLANACEOUS ALKALOIDS

BLOOD

Determination of solanidine in human plasma by radioimmunoassay. Matthew JA, et al. **Food Chem Toxicol** 1983 Oct;21(5):637-40

METABOLISM

Effect of pH on binding of agonists and antagonists to rat heart muscarinic receptors. Asselin J, et al. **Biochem J** 1983 Oct 15;216(1):11-9

PHARMACODYNAMICS

Characterization of a plant virus inhibitor from two Solanum species. Roychoudhury R, et al. **Indian J Exp Biol** 1983 Apr;21(4):212-5
[Studies on the anti-shock mechanism of anisodamine. II. Dynamic change in blood histamine during endotoxic shock and effect of anisodamine on hypotensive effect of histamine] Chen XY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):385-7 (Eng. Abstr.) (Chi)
[Changes in the plasma levels of cyclic AMP and cyclic GMP in dogs with endotoxin shock and effects of anisodamine on these changes] Xiao DM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun; 5(3):202-4 (Eng. Abstr.) (Chi)
[Effects of henbane drugs on phagocytosis of colloidal 198-Au by liver and spleen in mice] Wu LS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):140-2 (Eng. Abstr.) (Chi)

THERAPEUTIC USE

Salutary effects of anisodamine in murine traumatic shock. Hock CE, et al. **Circ Shock** 1983;11(3):211-6
Beneficial effect of anisodamine in hemorrhagic shock. Su J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):360-5
[Treatment of the diabetic gangrenous foot wih anisodamine and insulin--a case report] **Chung Hua I Hsueh Tsa Chih** 1984 Mar;64(3):187-9 (Chi)
[Anisodamine in comprehensive treatment of fulminant epidemic meningitis--its effect and mechanism of action] Zhu SH. **Chung Hua I Hsueh Tsa Chih** 1983 May; 63(5):257-61 (Eng. Abstr.) (Chi)

SOLANINE

ANALYSIS

[Determination of the solanine content of potato tubers] Tukalo EA, et al. **Vopr Pitan** 1983 Sep-Oct;(5):69-70 (Rus)

TOXICITY

Alpha-solanine tested for mutagenicity with Ames test. Ness E, et al. **Acta Vet Scand** 1984;25(1):145-7

SOLANUM ALKALOIDS see **SOLANACEOUS ALKALOIDS**

SOLAR ENERGY see under **ENERGY-GENERATING RESOURCES**

SOLAR PLEXUS see **CELIAC PLEXUS**

SOLDERING, DENTAL

Pore distribution and fracture localization of flame-soldered joints in dental gold. A metallographic and microfractographic study. Erhardson S. **Acta Odontol Scand** 1983 Oct;41(5):293-9
Weldability of beta titanium arch wires. Donovan MT, et al. **Am J Orthod** 1984 Mar;85(3):207-16
The indirect index for soldering bridges. Darveniza M. **Aust Dent J** 1984 Apr;29(2):101-4
Effects of fatigue on a soldered base metal alloy. Hawbolt EB, et al. **J Dent Res** 1983 Dec;62(12):1226-8
The tensile strength and appearance of solder joints in three base metal alloys made with high- and low-temperature solders. Hawbolt EB, et al. **J Prosthet Dent** 1983 Sep; 50(3):362-7
A comparison of the strength of base metal and gold solder joints. Kriebel R, et al. **J Prosthet Dent** 1984 Jan;51(1):60-6
Post soldering a telescopic pontic. Maroso DJ, et al. **J Prosthet Dent** 1984 Aug;52(2):208-9
Laser-welded vs soldered nonprecious alloy dental bridges: a comparative study. Apotheker H, et al. **Lasers Surg Med** 1984;4(2):207-13

INSTRUMENTATION

[Precision in soldering] Landt H, et al. **Zahn Mund Kieferheilkd** 1983;71(6):609-17 (Eng. Abstr.) (Ger)

METHODS

A microstructural study of solder connectors of low-gold casting alloys. Janus CE, et al. **J Prosthet Dent** 1983 Nov; 50(5):657-63
Soldering index for minimal coverage retainers. Ullo CA, et al. **J Prosthet Dent** 1984 Jun;51(6):847-8
[Laser welding of denture parts made of cobalt-chromium alloy] Zelenev NF, et al. **Stomatologiia (Mosk)** 1983 Jul-Aug;62(4):20-2 (Eng. Abstr.) (Rus)

SOLUBILITY

Problems in determining the water solubility of organic compounds. Bharath A, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):133-7
Thermochemical investigations of associated solutions: calculation of solute--solvent equilibrium constants from solubility measurements. Acree WE Jr, et al. **J Pharm Sci** 1983 Aug;72(8):929-34
Comparative study of lipophilicity versus topological molecular descriptors in biological correlations. Basak SC, et al. **J Pharm Sci** 1984 Apr;73(4):429-37
Application of diffusion theory to the relationship between partition coefficient and biological response. Berner B, et al. **J Pharm Sci** 1984 Jan;73(1):102-6
An automated sampling device for dissolution testing. Carrie TR, et al. **J Pharm Sci** 1983 Aug;72(8):976-8
Ionization constants by curve fitting: application to the determination of partition coefficients. Clarke FH. **J Pharm Sci** 1984 Feb;73(2):226-30
Systematic error associated with apparatus 2 of the USP dissolution test III: limitations of calibrators and the USP suitability test. Cox DC, et al. **J Pharm Sci** 1983 Aug; 72(8):910-3
Systematic error associated with apparatus 2 of the USP dissolution test IV: effect of air dissolved in the dissolution medium. Cox DC, et al. **J Pharm Sci** 1983 Sep;72(9):1061-4
Improved techniques for the photometric determination of partition coefficients, with particular reference to the chloroform-ammonia solvent system. Rummens FH, et al. **J Pharm Sci** 1984 Feb;73(2):231-6
Dissolution profile determination of a multicomponent product using a rapid liquid chromatographic analysis. Soltero R, et al. **J Pharm Sci** 1984 Jun;73(6):799-803
Moisture sorption kinetics for water-soluble substances. II: Experimental verification of heat transport control. Van Campen L, et al. **J Pharm Sci** 1983 Dec;72(12):1388-93
Moisture sorption kinetics for water-soluble substances. I: Theoretical considerations of heat transport control. Van Campen L, et al. **J Pharm Sci** 1983 Dec;72(12):1381-8
Moisture sorption kinetics for water-soluble substances. III: Theoretical and experimental studies in air. Van Campen

L, et al. **J Pharm Sci** 1983 Dec;72(12):1394–8

Excess free energy approach to the estimation of solubility in mixed solvent systems I: Theory. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):9–13

Excess free energy approach to the estimation of solubility in mixed solvent systems II: Ethanol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):14–8

Excess free energy approach to the estimation of solubility in mixed solvent systems III: Ethanol–propylene glycol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):18–23

Solubility and partitioning VI: octanol solubility and octanol–water partition coefficients. Yalkowsky SH, et al. **J Pharm Sci** 1983 Aug;72(8):866–70

SOLUTIONS

Solute concentration effect on osmotic reflection coefficient. Adamski RP, et al. **Biophys J** 1983 Oct;44(1):79–90

Effect of sample dilution on measurements of free (unbound) hormones. Geiseler D, et al. **Clin Chem** 1984 Jan; 30(1):28–32

A model of dissolution–controlled solute release from porous drug delivery polymeric systems. Peppas NA. **J Biomed Mater Res** 1983 Nov;17(6):1079–87

An in–vitro investigation of drug availability from lipophilic solutions. Armstrong NA, et al. **J Pharm Pharmacol** 1984 Jun;36(6):357–60

Particles in small volume injections. Taylor SA, et al. **J Pharm Pharmacol** 1983 Dec;35(12):769–73

Thermochemical investigations of associated solutions: calculation of solute—solvent equilibrium constants from solubility measurements. Acree WE Jr, et al. **J Pharm Sci** 1983 Aug;72(8):929–34

Miniature–electrode probe for conductivity measurements on electrolytic solutions or colloidal sols of small sample sizes. Neelakantaswamy PS, et al. **J Phys [E]** 1983 Dec; 16(12):1189–93

Improvements in the equation for calculating the contribution to osmotic potential of the separate solutes of water solutions. Cochrane TT. **Med Phys** 1984 May–Jun; 11(3):338–40

Effect of region of intestine and unstirred layers on uptake of sugars into rabbit intestine. Thomson AB. **Q J Exp Physiol** 1984 Jul;69(3):497–505

[Bacteriologic testing of pharmaceutical syrups] Economou–Stamatelopoulou C, et al. **Pharm Acta Helv** 1983;58(9–10):276–8 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Side effects of different irrigation solutions in orthograde intestinal lavage] Kujat R, et al. **Chirurg** 1983 Oct; 54(10):669–72 (Eng. Abstr.) **(Ger)**

ANALYSIS

Quantitative determination of chemicals leached from rubber stoppers into parenteral solutions. Danielson JW, et al. **J Parenter Sci Technol** 1984 May–Jun;38(3):90–3

Effects of unstirred layers on membrane phenomena. Barry PH, et al. **Physiol Rev** 1984 Jul;64(3):763–872 (139 ref.)

STANDARDS

Bacterial contamination of oral rehydration solution prepared from well water. Mathur R, et al. **Indian J Med Res** 1983 Dec;78:814–8

SOLVENTS

Fractionation techniques in a hydro–organic environment. II. Acryloyl–morpholine polymers as a matrix for electrophoresis in hydro–organic solvents. Artoni G, et al. **Anal Biochem** 1984 Mar;137(2):420–8

Fractionation techniques in a hydro–organic environment. I. Sulfolane as a solvent for hydrophobic proteins. Vecchio G, et al. **Anal Biochem** 1984 Mar;137(2):410–9

Management of solvent misuse: a Glasgow community approach. Sourindhrin I, et al. **Br J Addict** 1984 Jun; 79(2):227–32

Micelle formation of diacylglycerophosphocholines in organic solvents I. Effects of the solvents on Krafft points. Hayashi M, et al. **Chem Phys Lipids** 1983 Sep;33(3):233–9

Effect of organic solvents and unsaturated fatty acids on nitrosamine formation. Kato T, et al. **Food Chem Toxicol** 1984 Jun;22(6):419–23

Differential Congo red staining: the effects of pH, non–aqueous solvents and the substrate. Mera SL, et al. **Histochem J** 1984 Feb;16(2):195–210

Dependence of the shape of the plasma fibronectin molecule on solvent composition. Ionic strength and glycerol content. Rocco M, et al. **J Biol Chem** 1983 Dec 10; 258(23):14545–9

Statistical solvent optimization for the separation of geometric isomers of retinol by high–performance liquid chromatography. Landers GM, et al. **J Chromatogr** 1984 May 18;291:51–7

Observed activities of serum creatine kinase: total and B subunit activity and other enzymes in young persons abusing solvents. Spooner RJ, et al. **J Clin Pathol** 1984 Apr;37(4):455–9

The investigation of solvent abuse deaths. Oliver JS. **J Forensic Sci Soc** 1983 Jul;23(3):247–9

The role of the laboratory in the investigation of solvent abuse. Ramsey JD. **J Forensic Sci Soc** 1983 Jul;23(3):245

Solvent abuse and adolescents. Watson JM. **Practitioner** 1984 May;228(1391):487–90

Adolescent abuse of typewriter correction fluid. Greer JE. **South Med J** 1984 Mar;77(3):297–8, 301

[Current isolation technics used in environmental radiochemical analysis—with special reference to simple analysis using organic solvents] Kawamura S. **Radioisotopes** 1983 Oct;32(10):506–15 (106 ref.) **(Jpn)**

[Adsorption characteristics of organic solvent vapors on the fixed bed of activated carbon] Hori H, et al. **Sangyo Igaku** 1983 Sep;25(5):356–66 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

An exposure system for organic solvent vapor. Kumai M, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):200–4

ADVERSE EFFECTS

Sural nerve biopsies from workers with a history of chronic exposure to organic solvents and from normal control cases. Morphometric and ultrastructural studies. Berthold CH, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):73–86

Aetiological aspects on primary liver cancer with special regard to alcohol, organic solvents and acute intermittent porphyria—an epidemiological investigation. Hardell L, et al. **Br J Cancer** 1984 Sep;50(3):389–97

Exposure to solvents and outcome of pregnancy in university laboratory employees. Axelsson G, et al. **Br J Ind Med** 1984 Aug;41(3):305–12

Isolated liver damage in chemical workers. Døssing M, et al. **Br J Ind Med** 1984 Feb;41(1):142–4

Edema–inducing effects of solvents following topical administration. Wahlberg JE. **Derm Beruf Umwelt** 1984; 32(3):91–4

Duodenal ulcerations after monooctanoin therapy [letter] Cohen LB, et al. **Gastrointest Endosc** 1984 Feb;30(1):49–50

The prevalence of psychiatric morbidity in solvent workers in Britain. Cherry N, et al. **Int J Epidemiol** 1984 Jun; 13(2):197–200

Organic solvents as possible risk factors of low birthweight [letter] Olsen J, et al. **J Occup Med** 1983 Dec;25(12):854–5

Mortality from heart disease among workers exposed to solvents. Wilcosky TC, et al. **J Occup Med** 1983 Dec; 25(12):879–85

The nitroblue tetrazolium reduction test in workers exposed to benzene and its homologues. Moszczyński P, et al. **Med Interne** 1983 Jul–Sep;21(3):217–23

Acute illness among workers connected to solvent exposure. Murphy DC. **Occup Health Saf** 1984 May;:36–8

Screening for neuropsychiatric dysfunction. A latent structure analysis of two questionnaires. Olsen J, et al. **Scand J Soc Med** 1984;12(1):55–63

Screening for occupational exposures and congenital malformations. Kurppa K, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):89–93

[Neurotoxicity of workplace substances. IV. Determination of motor and sensory nerve conduction velocity in persons exposed to solvent mixtures] Triebig G, et al. **Int Arch Occup Environ Health** 1983;52(2):139–50 (Eng. Abstr.) **(Ger)**

[Damage to the peripheral and central nervous system caused by the effect of solvents] Schütz R. **Praxis** 1983 Sep 20; 72(38):1201–3 **(Ger)**

[Pathology caused by dimethylformamide: study of 14 cases] Tomasini M, et al. **Med Lav** 1983 May–Jun;74(3):217–20 (Eng. Abstr.) **(Ita)**

[Determination of injuries caused by solvents (letter)] Bakke JV, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):684 **(Nor)**

[Selected problems in the experimental evaluation of the skin–irritating effect of industrial substances] Werchau G, et al. **Med Pr** 1983;34(4):345–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Evaluation of the performance and response of the bacharach TLV sniffer and H–Nu photoionization gas analyzer to common hydrocarbon solvents. Chelton CF, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):710–5

Efficiency of passive sampling by adsorbents. Underhill DW. **Am Ind Hyg Assoc J** 1984 May;45(5):306–10

A nationwide survey on organic solvent components in various solvent products: Part 1. Homogeneous products such as thinners, degreasers and reagents. Inoue T, et al. **Ind Health** 1983;21(3):175–83

A nationwide survey on organic solvent components in various solvent products: Part 2. Heterogeneous products such as paints, inks and adhesives. Kumai M, et al. **Ind Health** 1983;21(3):185–97

A loop gas sampler for the determination of organic solvent vapors in industrial environments. Niisawa K, et al. **Sangyo Igaku** 1983 Sep;25(5):440–1

[Determination of organic solvent vapors by a gas monitoring badge. An experimental study on the response time] Kodama Y, et al. **Sangyo Igaku** 1983 May;25(3):181–5 (Eng. Abstr.) **(Jpn)**

[A simple and rapid determination of organic solvent components in paint and adhesives] Sakai K, et al. **Sangyo Igaku** 1983 Nov;25(6):514–5 **(Jpn)**

BLOOD

[The measurement of the solubility coefficients of gases in the blood. III. Other solvents of toxicological importance] Imbriani M, et al. **G Ital Med Lav** 1983 May;5(3):133–6 (Eng. Abstr.) **(Ita)**

METABOLISM

The role of skin absorption as a route of exposure for volatile organic compounds (VOCs) in drinking water. Brown HS, et al. **Am J Public Health** 1984 May;74(5):479–84

A procedure for determining plasmatic trichloroacetic acid in human subjects exposed to chlorinated solvents at environmental levels. Ziglio G, et al. **Arch Environ Contam Toxicol** 1984 Mar;13(2):129–34

Application and results of whole–body autoradiography in distribution studies of organic solvents. Bergman K. **CRC Crit Rev Toxicol** 1983;12(1):59–118 (306 ref.)

Solubility of fatty acids and other hydrophobic molecules in liquid trioleoylglycerol. Patton JS, et al. **J Lipid Res** 1984 Feb;25(2):189–97

[Measurement of the coefficient of solubility of airborne substances in blood. II. Solvents of wide industrial use] Pezzagno G, et al. **G Ital Med Lav** 1983 Mar;5(2):49–63 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Assessment of the potential of insecticides, emulsifiers, and solvent mixtures to enhance viral infection in cultured mammalian cells. Brookman DH, et al. **Appl Environ Microbiol** 1984 Jan;47(1):80–3

Percutaneous penetration of hydrocortisone in humans following skin delipidization by 1:1:1 trichloroethane. Bucks DA, et al. **Arch Dermatol Res** 1983;275(4):242–5

Modification of the interactions of myosin with actin and 5'–adenylyl imidodiphosphate by substitution of ethylene glycol for water. Marston SB, et al. **Biochem J** 1984 Jan 1;217(1):169–77

The mutagenic effect in bacteriophage T4D of a hair dye, 1,4 diaminoanthraquinone, and of two solvents, dimethylsulfoxide and ethanol. Kvelland I. **Hereditas** 1983; 99(2):209–13

Relative toxicity of organic solvents to Aedes aegypti larvae. Kramer VC, et al. **J Invertebr Pathol** 1983 Sep;42(2):285–7

Optimization of bioavailability of topical steroids: penetration enhancers under occlusion. Barry BW, et al. **J Invest Dermatol** 1984 Jan;82(1):49–52

The analysis of drug action on mitochondrial oxidative phosphorylation. The choice of organic solvent for water–insoluble drugs. Lovett GS, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):695–9

[Interaction of solvent effects on the plasma membrane] Reinhardt K, et al. **Z Gesamte Inn Med** 1984 Feb 1; 39(3):48–51 (Eng. Abstr.) **(Ger)**

[Effectiveness of sanitary treatment in skin contamination by 239Pu in organic solvents] Beliaev IK, et al. **Gig Sanit** 1984 Feb;(2):87–8 **(Rus)**

[Effect of various solvents on the extraction of protein fractions of beans (Phaseolus vulgaris)] Gómez–Brenes RA, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):503–18 (Eng. Abstr.) **(Spa)**

[Can occupational exposure to solvents decrease the effect of anticoagulants?] Lindberg E, et al. **Lakartidningen** 1984 Jan 18;81(3):110 **(Swe)**

POISONING

Fanconi's syndrome associated with carburetor fluid intoxication. Rastogi SP, et al. **Am J Clin Pathol** 1984 Jul; 82(1):124–5

Times change and diseases are changed in them. Fischbein A. **Am J Ind Med** 1984;5(4):261–3

Clinical studies of psychoorganic syndromes among workers with exposure to solvents. Flodin U, et al. **Am J Ind Med** 1984;5(4):287–95

Industrial gassing poisonings due to trichlorethylene, perchlorethylene, and 1–1–1 trichloroethane, 1961–80. McCarthy TB, et al. **Br J Ind Med** 1983 Nov;40(4):450–5

[Preliminary results of an electroneurophysiological study of a group of workers exposed to solvents] D'Antuono G, et al. **G Clin Med** 1984 Jan;65(1):23–6 (Eng. Abstr.) **(Ita)**

[Changes in the parameters of iron metabolism in acute poisoning with various drugs and solvents] Gadzicki M, et al. **Med Pr** 1983;34(5–6):405–12 (Eng. Abstr.) **(Pol)**

[Clinical aspects of acute poisonings with aliphatic and aromatic organic solvents] Jabłoński J, et al. **Przegl Lek** 1983;40(6):517–9 (Eng. Abstr.) **(Pol)**

[Clinical aspects and treatment of severe Ethylcellosolve poisoning] Klimov IA, et al. **Voen Med Zh** 1984 Jul;(7):52–3 **(Rus)**

THERAPEUTIC USE

Monooctanoin dissolution of retained biliary stones in high risk patients. Steinhagen RM, et al. **Am J Gastroenterol** 1983 Nov;78(11):756–60

Polar solvents: a novel class of antineoplastic agents. Spremulli EN, et al. **J Clin Oncol** 1984 Mar;2(3):227–41 (116 ref.)

Percutaneous chemolysis of renal calculi. Pfister RC, et al. **Urol Radiol** 1984;6(2):138–43

TOXICITY

Vestibulo-ocular disturbances in rats exposed to organic solvents. Tham R, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):58–63

An evaluation of the associations of leukemia and rubber industry solvent exposures. Checkoway H, et al. **Am J Ind Med** 1984;5(3):239–49

Neurotoxic effects of organic solvents in exposed workers: an occupational, neuropsychological, and neurological investigation. Gregersen P, et al. **Am J Ind Med** 1984; 5(3):201–25

Effects of tri-n-butyl phosphate on the peripheral nervous system of the Sprague-Dawley rat. Laham S, et al. **Drug Chem Toxicol** 1983;6(4):363–77

Lack of mutagenic activity of white spirit. Gochet B, et al. **Int Arch Occup Environ Health** 1984;53(4):359–64

Toxic polyneuropathy of shoe workers in Italy. A clinical, neurophysiological and follow-up study. Passero S, et al. **Ital J Neurol Sci** 1983 Dec;4(4):463–72

Sensitivity of chick embryo to various solvents used in egg injection studies. Ameenuddin S, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):176–8

Erythema-inducing effects of solvents following epicutaneous administration to man—studied by laser Doppler flowmetry. Wahlberg JE. **Scand J Work Environ Health** 1984 Jun;10(3):159–62

Effect of C10–C11 isoparaffinic solvent on kidney function in Fischer 344 rats during eight weeks of inhalation. Phillips RD, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):500–10

Short-term inhalation test for evaluating industrial hepatotoxicants in rats. Brondeau MT, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):139–46

Pitfalls in the interpretation of long-term inhalation experiments. Kjellstrand P, et al. **Toxicol Lett** 1984 May; 21(2):213–8

Response of the upper respiratory tract of the rat to white spirit vapour. Riley AJ, et al. **Toxicol Lett** 1984 Aug; 22(2):125–31

Comparison of local neurotoxicity of three white spirit formulations by percutaneous exposure of rat tail nerve. Verkkala E, et al. **Toxicol Lett** 1984 Jun;21(3):293–9

Distal tubular dysfunction in rats chronically exposed to a 'white spirit' solvent. Viau C, et al. **Toxicol Lett** 1984 Apr; 21(1):49–52

Further development of rodent whole embryo culture: solvent toxicity and water insoluble compound delivery system. Kitchin KT, et al. **Toxicology** 1984 Feb 14; 30(1):45–57

[Correlation of psychological and neurological changes with indicators of exposure of workers in a shoe factory to glue solvents] Langauer-Lewowicka H, et al. **Med Pr** 1983; 34(5–6):397–404 (Eng. Abstr.) **(Pol)**

[Effect of organic solvents on the central nervous system] Langauer-Lewowicka H, et al. **Neurol Neurochir Pol** 1983 Jul–Aug;17(4):465–70 (Eng. Abstr.) **(Pol)**

[Biological action of methylenetetrahydropyran and the establishment of its maximum permissible concentrations in the atmosphere] Ten II. **Gig Sanit** 1983 Oct;(10):82–4 **(Rus)**

[Structural changes in the cardiovascular system in exposure to the epoxy resin diluent UP-616] Krechkovskiĭ EA, et al. **Vrach Delo** 1984 Apr;(4):106–8 (Eng. Abstr.) **(Rus)**

SOMAN see under ORGANOPHOSPHORUS COMPOUNDS

SOMATIC CELL HYBRIDS see HYBRID CELLS

SOMATIZATION DISORDER see SOMATOFORM DISORDERS

SOMATOFORM DISORDERS

Sexual function and somatopsychic reactions after vulvectomy. A preliminary report. Moth I, et al. **Dan Med Bull** 1983 Dec;30 Suppl 2:27–30

Development of somatizing responses in multiple sclerosis. Pavlou M, et al. **Psychother Psychosom** 1983;39(4):236–43

CLASSIFICATION

Re: Comments on DSM III: a new nomenclature for classifying patients with chronic pain [letter] Merskey H. **Pain** 1984 Jan;18(1):103–5

COMPLICATIONS

A prospective DSM-III study of 100 consecutive somatization patients. Katon W, et al. **Compr Psychiatry** 1984 May–Jun;25(3):305–14

DIAGNOSIS

Panic disorder and somatization. Review of 55 cases. Katon W. **Am J Med** 1984 Jul;77(1):101–6 (27 ref.)

Diagnosis in patients with chronic pelvic pain [letter] Work HH. **Am J Psychiatry** 1984 Jun;141(6):824–5

Chronic pain in a patient with a somatization disorder. Stewart MS, et al. **Anesth Analg** 1984 Feb;63(2):163–5

Somatization disorder and Briquet's syndrome. An assessment of their diagnostic concordance. DeSouza C, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):334–6

'Wind illness' or somatic depression? A case study in psychiatric anthropology. Eisenbruch M. **Br J Psychiatry** 1983 Oct;143:323–6

The prevalence of somatization in primary care. Katon W, et al. **Compr Psychiatry** 1984 Mar–Apr;25(2):208–15

Monosymptomatic athetosis or functional disorder: an extraordinary case of strikingly deep larynx associated with speech disorder. Ebner W. **Folia Phoniatr (Basel)** 1983; 35(5):241–4

Somatoform disorders: before and after DSM-III. Hyler SE, et al. **Hosp Community Psychiatry** 1984 May;35(5):469–78

A strategy for evaluating 'psychogenic' symptoms. Goldsmith S. **Int J Psychiatry Med** 1983–84;13(2):167–72

A somaticizing adolescent: an approach to evaluation and therapy. Pincus SH, et al. **J Adolesc Health Care** 1983 Sep; 4(3):174–7

The use of dexamethasone suppression test to diagnose Briquet's syndrome (somatization disorder): report of a case. Zimmerli M, et al. **J Am Osteopath Assoc** 1984 Mar; 83(7):502–4

Recurrent abdominal pain in childhood. Shultz SL. **J Arkansas Med Soc** 1983 Oct;80(5):219–22 (6 ref.)

Depression: relationship to somatization and chronic medical illness. Katon W. **J Clin Psychiatry** 1984 Mar;45(3 Pt 2):4–12

Interrelationships of conversion, psychogenic pain, and dissociative disorder symptoms. Watson CG, et al. **J Consult Clin Psychol** 1983 Oct;51(5):788–9

A case of headaches and red herrings. Morse RH. **J La State Med Soc** 1984 Mar;136(3):32–4

Functional upper airway obstruction: a possible somatization disorder. Starkman MN, et al. **Psychosomatics** 1984 Apr; 25(4):327–9, 332–3

'Allergic to everything' or somatoform disorder? [letter] Wamboldt FS. **Psychosomatics** 1984 Mar;25(3):237, 241

[Electromanometric changes in large intestine motility in functional disorders of defecation in children] Apostolov A, et al. **Khirurgiia (Sofiia)** 1983;36(4):338–42 (Eng. Abstr.) **(Bul)**

[Pseudo-epileptic psychogenic seizures in the epileptic child] Saccomani L, et al. **Neuropsychiatr Enfance Adolesc** 1983 Nov–Dec;31(11–12):527–30 (Eng. Abstr.) **(Fre)**

[Functional disorders and the physician] Luminet D. **Rev Med Liege** 1983 Oct 1;38(19):731–4 **(Fre)**

DRUG THERAPY

Psychogenic facial pain: presentation and treatment [letter] Ancill RJ, et al. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):863

[Tolerance and activity of pinaverium in pediatric ambulatory care] Gallet JP. **Ann Pediatr (Paris)** 1984 May;31(5):433–5 (Eng. Abstr.) **(Fre)**

[Leading symptom of anxiety and tension and its concomitant somatic manifestations. A multicenter trial of fluspirilene versus bromazepam] Thilmann J. **Fortschr Med** 1983 Oct 6;101(37):1676–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Atypical somatoform disorder following infection in children—a depressive equivalent? Carek DJ, et al. **J Clin Psychiatry** 1984 Mar;45(3):108–11

Emotional reaction, health preoccupation and sexual activity two months after a myocardial infarction. Wiklund I, et al. **Scand J Rehabil Med** 1984;16(2):47–56

FAMILIAL & GENETIC

Early birth order in Briquet's syndrome. Morrison JR. **Am J Psychiatry** 1983 Dec;140(12):1596–8

An adoption study of somatoform disorders. III. Cross-fostering analysis and genetic relationship to alcoholism and criminality. Bohman M, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):872–8

An adoption study of somatoform disorders. II. Identification of two discrete somatoform disorders. Cloninger CR, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):863–71

An adoption study of somatoform disorders. I. The relationship of somatization to psychiatric disability. Sigvardsson S, et al. **Arch Gen Psychiatry** 1984 Sep; 41(9):853–9

HISTORY

Briquet and Briquet's syndrome viewed from France. Dongier M. **Can J Psychiatry** 1983 Oct;28(6):422–7

Pierre Briquet: 19th century savant with 20th century ideas. Mai FM. **Can J Psychiatry** 1983 Oct;28(6):418–21

OCCURRENCE

Non-organic chronic intractable pain: a comparative study. Chaturvedi SK, et al. **Pain** 1984 May;19(1):87–94

PHYSIOPATHOLOGY

Speech wave aperiodicities at sustained phonation in functional dysphonia. Klingholz F, et al. **Folia Phoniatr (Basel)** 1983;35(6):322–7

Neuropsychological concepts of somatoform disorders. Miller L. **Int J Psychiatry Med** 1984;14(1):31–46 (63 ref.)

PSYCHOLOGY

Somatization and the self: psychotherapeutic issues. Rodin G. **Am J Psychother** 1984 Apr;38(2):257–63

Physiological responses and clinical phenomena during the psychotherapeutic process. Glucksman ML. **J Am Acad Psychoanal** 1983 Oct;11(4):475–91

Adolescent health and illness behavior: review of the literature and a new hypothesis for the study of stress. Mechanic D. **J Human Stress** 1983 Jun;9(2):4–13

Abdominal pain in children and symptoms of somatization disorder. Ernst AR, et al. **J Pediatr Psychol** 1984 Mar; 9(1):77–86

Distinguishing between cognitive and somatic trait and state anxiety in children. Fox JE, et al. **J Pers Soc Psychol** 1983 Oct;45(4):862–70

[Psychogenic gait disorder and transcultural conflict] Lehmkuhl U. **Acta Paedopsychiatr (Basel)** 1983 Oct; 49(5):211–9 (Eng. Abstr.) **(Ger)**

[Phenomenology of abnormal body perceptions] Schäfer ML. **Psychiatr Clin (Basel)** 1983;16(5–6):378–90 (Eng. Abstr.) **(Ger)**

[Significance of communication disorders for the formation of functional diseases] Koch J. **Z Arztl Fortbild (Jena)** 1983; 77(19):811–3 **(Ger)**

[Psychological aspects of vertigo] Chamorro García L. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb;12(1):43–52 **(Spa)**

THERAPY

Short-term intensive group therapy for resistant functional disorders. Rynearson EK, et al. **Curr Psychiatr Ther** 1983; 22:197–205

The medicalization of society: is there a way to turn back? Abernethy V, et al. **Hosp Community Psychiatry** 1984 Jun; 35(6):533–6

Boy with seriously ill mother manifests somatic complaints, withdrawal, disabling fears. Frances A, et al. **Hosp Community Psychiatry** 1984 May;35(5):439–40

[The value of problem-case discussions for long-term care using the example of psychogenic gait disorders in children] Tuchscheerer G. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Aug;35(8):492–6 (Eng. Abstr.) **(Ger)**

[Information dissemination and body related therapy in the psychosomatic treatment of chronic functional disorders] Oberdalhoff HE. **Psychother Psychosom Med Psychol** 1984 Jan;34(1):17–9 (Eng. Abstr.) **(Ger)**

[Systematic family therapy of psychosomatic disease in juveniles] Bösch J. **Schweiz Rundsch Med Prax** 1984 Feb 21;73(8):225–8 (Eng. Abstr.) **(Ger)**

SOMATOMAMMOTROPIN, CHORIONIC see PLACENTAL LACTOGEN

SOMATOMEDINS

Insulin and IGF-I binding to megakaryoblasts [letter] Stuart CA, et al. **Blood** 1984 May;63(5):1261–2

Serum and urine somatomedin B in pediatrics. Seminara S, et al. **Ric Clin Lab** 1984 Jan–Mar;14(1):41–6

ANALYSIS

Identification of human semen insulin-like growth factor-I/somatomedin-C immunoreactivity and binding protein. Baxter RC, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):420–7

Cerebral insulin-like immunoreactivity in rats and mice. Drastic decline during postnatal ontogenesis. Bernstein HG, et al. **Acta Histochem (Jena)** 1984;74(1):33–6

Concerning the presence of an insulin-related peptide in the human brain: an immunohistochemical reinvestigation by use of monoclonal insulin antibodies. Dorn A, et al. **Acta Histochem (Jena)** 1984;74(1):81–4

Insulin- and glucagonlike peptides in the brain. Dorn A, et al. **Anat Rec** 1983 Sep;207(1):69–77

Immunochemical studies of the insulin-like material in the parotid gland of rats. Smith PH, et al. **Diabetes** 1984 Jul; 33(7):661–6

The characterization of somatomedin A, isolated by microcomputer-controlled chromatography, reveals an apparent identity to insulin-like growth factor 1. Enberg G, et al. **Eur J Biochem** 1984 Aug 15;143(1):117–24

Immunoreactive somatomedin-C/insulin-like growth factor I and its binding protein in human milk. Baxter RC, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):955–9

Somatomedin activity in tracheal fluid from the newborn infant. Hill DJ, et al. **J Clin Endocrinol Metab** 1984 Aug; 59(2):231–4

The role of somatomedin/insulin-like growth factors and their receptors in skeletal growth and fetal development: a mini-review. Perdue JF. **Prog Clin Biol Res** 1983; 132B:405–13 (17 ref.)

[Insulin-like activity in tumor tissues] Okuyama M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1939–42 **(Jpn)**

ANTAGONISTS & INHIBITORS

Nutrition and somatomedin. XI. Studies of somatomedin inhibitors in rats with streptozotocin-induced diabetes. Phillips LS, et al. **Diabetes** 1983 Dec;32(12):1117–25

Extraction of cartilage sulfation inhibitors and somatomedins from rat liver. Vassilopoulou-Sellin R, et al. **Endocrinology** 1984 Feb;114(2):576–81

BIOSYNTHESIS

Production of an insulin-like growth factor by osteosarcoma.

Blatt J, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):373–6

Multiple hormones stimulate the production of somatomedin by cultured human fibroblasts. Clemmons DR. **J Clin Endocrinol Metab** 1984 May;58(5):850–6

BLOOD

Changes in serum somatomedin and growth hormone concentrations after 3 weeks oestrogen substitution in post-menopausal women; a pilot study. Duursma SA, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):527–31

Insulin-like growth factor I in the dog: a study in different dog breeds and in dogs with growth hormone elevation. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1984 Mar; 105(3):294–301

Growth hormone and insulin-like growth factor I in German shepherd dwarf dogs. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):289–93

Body size parallels insulin-like growth factor I levels but not growth hormone secretory capacity. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):448–53

Comparison of growth and somatomedin C responses following growth hormone treatment in children with small-for-date short stature, significant idiopathic short stature and hypopituitarism. Grunt JA, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):168–74

The biological assay of human somatomedin A: improvement by small molecular weight natural molecules. Heulin MH, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):43–51

Somatomedin A increments are diminished in acromegaly with concomitant hyperprolactinaemia. Hulting AL, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):305–10

Glucose, growth hormone, somatomedin, cortisol and ACTH changes in the plasma of unanaesthetised pig foetuses following intravenous insulin administration in utero. Spencer GS, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):240–5

Serum somatomedin A in Perthes' disease. Tanaka H, et al. **Acta Orthop Scand** 1984 Apr;55(2):135–40

Somatomedin in cystic fibrosis. Pedersen PS, et al. **Acta Paediatr Scand** 1983 Sep;72(5):757–8

Exaggerated somatomedin-C response to human growth hormone infusion in patients with type II diabetes mellitus. Grecu EO, et al. **Am J Med Sci** 1984 Mar-Apr;287(2):7–10

Serum somatomedin C concentrations following pneumonectomy. Thurlbeck WM, et al. **Am Rev Respir Dis** 1984 Sep;130(3):499–500

Somatomedins in Down's syndrome. Sara VR, et al. **Biol Psychiatry** 1983 Jul;18(7):803–11

Factors controlling blood concentration of somatomedin C. Clemmons DR, et al. **Clin Endocrinol Metab** 1984 Mar; 13(1):113–43 (104 ref.)

Somatomedin levels in childhood, adolescence and adult life. Hall K, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):91–112

Plasma forms of somatomedin and the binding protein phenomenon. Hintz RL. **Clin Endocrinol Metab** 1984 Mar; 13(1):31–42 (38 ref.)

Plasma somatomedin activity and diabetic retinopathy. Ashton IK, et al. **Clin Endocrinol (Oxf)** 1983 Jul; 19(1):105–10

Relations between immunoreactive somatomedin C, insulin and T3 patterns during fasting in obese subjects. Caufriez A, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):65–70

Growth hormone secretion and plasma somatomedin-C in primary hypothyroidism. Chernausek SD, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):337–44

Effect of androgens on plasma somatomedin-C/insulin-like growth factor I responses to growth hormone. Craft WH, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):549–54

Plasma somatomedin activity after injury in man and its relationship to other hormonal and metabolic changes. Frayn KN, et al. **Clin Endocrinol (Oxf)** 1984 Feb; 20(2):179–87

Studies of insulin-like growth factor -I and -II by specific radioligand assays in umbilical cord blood. Gluckman PD, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):405–13

Serum somatomedin-C concentrations in a rabbit model of diabetic pregnancy. D'Ercole AJ, et al. **Diabetes** 1984 Jun; 33(6):590–5

Von Willebrand factor (VIII R:Ag), fibronectin, and insulin-like growth factors I and II in diabetic retinopathy and nephropathy. Lamberton RP, et al. **Diabetes** 1984 Feb; 33(2):125–9

Low plasma somatomedin-C in streptozotocin-induced diabetes mellitus. Correlation with changes in somatogenic and lactogenic liver binding sites. Maes M, et al. **Diabetes** 1983 Nov;32(11):1060–9

Effect of glycemic control on serum insulin-like growth factors in diabetes mellitus. Merimee TJ, et al. **Diabetes** 1984 Aug;33(8):790–3

Relationship between plasma somatomedin-C and liver somatogenic binding sites in neonatal rats during malnutrition and after short and long term refeeding. Maes M, et al. **Endocrinology** 1984 Aug;115(2):786–92

Effect of zinc deficiency on serum somatomedin levels and skeletal growth in young rats. Oner G, et al. **Endocrinology** 1984 May;114(5):1860–3

Hormone ontogeny in the ovine fetus. XVI. Plasma immunoreactive somatomedin C/insulin-like growth factor I in the fetal and neonatal lamb and in the pregnant ewe. Van Vliet G, et al. **Endocrinology** 1983 Nov;113(5):1716–20

Serum somatomedin activity and growth hormone secretion by cultured pituitary cells from genetically obese Zucker rats. Grzywa M. **Endokrynol Pol** 1984;35(2):105–11

Somatomedin-C in zinc deficiency. Cossack ZT. **Experientia** 1984 May 15;40(5):498–500

The 'so-called' somatomedin B and growth hormone measured by radioimmunoassay in normal and cirrhotic individuals. D'Abronzo FH, et al. **Horm Metab Res** 1984 Aug;16(8):435–8

Plasma growth-promoting activity measured as thymidine activity in constitutionally short children. Thiériot-Prévost G, et al. **Horm Res** 1984;19(1):1–4

Plasma somatomedin activity and urinary hydroxyproline excretion during administration of human growth hormone in children with short stature. Short-term effects. Wit JM, et al. **Horm Res** 1984;19(4):205–15

Plasma somatomedin activity and urinary hydroxyproline excretion during administration of human growth hormone in children with short stature. Long-term effects and relation with short-term changes. Wit JM, et al. **Horm Res** 1984;19(4):216–23

Circulating somatomedin-C levels in nephropathic cystinosis. Bercu BB, et al. **Isr J Med Sci** 1984 Mar;20(3):236–9

Preferential measurement of insulin-like growth factor (IGF) I-related peptides in serum with the aid of IGF-binding proteins (IGF BPs) produced by rat liver in culture. Estimation of serum IGF BP levels. Binoux M, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):453–62

Stimulation of growth hormone (GH) and somatomedin C in idiopathic GH-deficient subjects by intermittent pulsatile administration of synthetic human pancreatic tumor GH-releasing factor. Borges JL, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):1–6

Estrogen stimulates growth hormone and somatomedin-C in castrate and intact female baboons. Copeland KC, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):698–703

Effect of testosterone on somatomedin-C concentrations in prepubertal boys. Parker MW, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):87–90

Somatomedins and insulin in diabetic pregnancies: effects on fetal macrosomia in the human and rhesus monkey. Susa JB, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1099–105

Parturition-related changes in insulin-like growth factors-I and -II in the perinatal lamb. Gluckman PD, et al. **J Endocrinol** 1983 Nov;99(2):223–32

Protein deficiency in pregnant rats causes decreased levels of plasma somatomedin and its carrier protein associated with reduced plasma levels of placental lactogen and hepatic lactogenic receptor number. Pilistine SJ, et al. **J Nutr** 1984 Mar;114(3):638–42

Plasma somatomedin-C concentrations in congenital hypothyroidism. Copeland KC, et al. **J Pediatr** 1984 May; 104(5):732–6

Prospective clinical trial of human growth hormone in short children without growth hormone deficiency. Gertner JM, et al. **J Pediatr** 1984 Feb;104(2):172–6

Relationship of somatomedin-C concentrations to pubertal changes. Rosenfield RI, et al. **J Pediatr** 1983 Nov; 103(5):723–8

Acquired refractoriness to growth hormone in a patient with isolated growth hormone deficiency: growth and plasma somatomedin-C response to high-dose growth hormone therapy. Winterer J, et al. **J Pediatr** 1984 Jun;104(6):908–11

Changes in plasma somatomedin-C in response to ingestion of diets with variable protein and energy content. Isley WL, et al. **JPEN** 1984 Jul-Aug;8(4):407–11

Insulin-like growth factors and diabetic retinopathy [letter] **N Engl J Med** 1983 Dec 29;309(26):1649–50

Serum levels of radioreceptor-assayable somatomedins in children with minor neurodevelopmental disorders. Rasmussen F, et al. **Ups J Med Sci** 1983;88(2):121–6

[Interference of liquemine with plasma somatomedin activity] Leduc C, et al. **Pathol Biol (Paris)** 1984 Jun;32(6):714–6 (Eng. Abstr.) **(Fre)**

[Value of the determination of somatomedins in acromegaly] Rieu M. **Presse Med** 1983 Sep 10;12(31):1909–10 **(Fre)**

[Somatomedins—a review. 2. Age and nutrition dependence, somatomedin concentration in endocrine and non-endocrine diseases] Jahreis G, et al. **Kinderarztl Prax** 1983 Sep;51(9):403–12 (Eng. Abstr.) **(Ger)**

[Serum levels of receptor assayable insulin-like activity in various diseases] Namba O, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1714–28 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of IGF-I and II] Yanaihara C, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20;59(12):1943–6 **(Jpn)**

[Use of the standard slope method for determining serum somatomedin activity (SSA)] Oktaba W, et al. **Endokrynol Pol** 1984;35(1):51–5 (Eng. Abstr.) **(Pol)**

[Somatomedin activity in patients with short stature due to hypopituitarism or constitutional-familial growth retardation] Jasper HG, et al. **Medicina (B Aires)** 1983; 43(3):308–14 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Laron-type dwarfism (hereditary somatomedin deficiency): a review. Laron Z. **Ergeb Inn Med Kinderheilkd** 1984; 51:117–50 (67 ref.)

Deficiencies of growth hormone and somatomedins in man. Laron Z. **Spec Top Endocrinol Metab** 1983;5:149–99 (157 ref.)

GENETICS

Isolation of the human insulin-like growth factor I gene using a single synthetic DNA probe. Ullrich A, et al. **EMBO J** 1984 Feb;3(2):361–4

Sequence of a cDNA clone encoding human preproinsulin-like growth factor II. Bell GI, et al. **Nature** 1984 Aug 30-Sep 5;310(5980):775–7

Human chromosomal mapping of genes for insulin-like growth factors I and II and epidermal growth factor. Brissenden JE, et al. **Nature** 1984 Aug 30-Sep 5; 310(5980):781–4

Insulin-like growth factor II precursor gene organization in relation to insulin gene family. Dull TJ, et al. **Nature** 1984 Aug 30-Sep 5;310(5980):777–81

Sequence of cDNA encoding human insulin-like growth factor I precursor. Jansen M, et al. **Nature** 1983 Dec 8–14; 306(5943):609–11

Localization of insulin-like growth factor genes to human chromosomes 11 and 12. Tricoli JV, et al. **Nature** 1984 Aug 30-Sep 5;310(5980):784–6

ISOLATION & PURIFICATION

Extraction of cartilage sulfation inhibitors and somatomedins from rat liver. Vassilopoulou-Sellin R, et al. **Endocrinology** 1984 Feb;114(2):576–81

METABOLISM

Normal somatomedin-C/insulin-like growth factor I binding and action in cultured human fibroblasts from Turner syndrome. Rosenfeld RG, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):502–9

Insulinlike growth factors bind to specific receptors in isolated pancreatic acini. Williams JA, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):G96–9

Basic somatomedin (B-SM) receptors in human term placenta explants. Bhaumick B, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):583–92

IGF-II binding on human lymphoid cells: demonstration of a common high affinity receptor for insulin like peptides. Hintz RL, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):774–82

Cholecystokinin and insulin regulate insulin-like growth factor II binding to pancreatic receptors; evidence of a role for intracellular calcium. Potau N, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):359–64

Somatomedin-C receptors and growth effects in human breast cells maintained in long-term tissue culture. Furlanetto RW, et al. **Cancer Res** 1984 May;44(5):2122–8

Release of insulin-like growth factors and binding protein activity into serum-free medium of cultured human fibroblasts. Adams SO, et al. **Endocrinology** 1984 Aug; 115(2):520–6

Interaction of insulin-like growth factors with a nonfusing mouse muscle cell line: binding, action, and receptor down-regulation. de Vroede MA, et al. **Endocrinology** 1984 May;114(5):1917–29

Characterization of insulin-like growth factor receptors in rat anterior pituitary, hypothalamus, and brain. Goodyer CG, et al. **Endocrinology** 1984 Apr;114(4):1187–95

Insulin regulation of insulin-like growth factor action in rat hepatoma cells. Heaton JH, et al. **J Biol Chem** 1984 Feb 25;259(4):2396–402

Potential mechanism of the stimulatory action of insulin on insulin-like growth factor II binding to the isolated rat adipose cell. Apparent redistribution of receptors cycling between a large intracellular pool and the plasma membrane. Wardzala LJ, et al. **J Biol Chem** 1984 Jul 10; 259(13):8378–83

Cultured fetal rat myoblasts release peptide growth factors which are immunologically and biologically similar to somatomedin. Hill DJ, et al. **J Cell Physiol** 1984 Jun; 119(3):349–58

Metabolic regulation of somatomedin activity in rat liver. Vassilopoulou-Sellin R, et al. **J Endocrinol** 1984 Jun; 101(3):257–61

PHARMACODYNAMICS

Insulin-like growth factor-I (IGF-I) stimulates tyrosine kinase activity in purified receptors from a rat liver cell line. Zick Y, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):6–13

Effects of membrane lipid unsaturation on the interactions of insulin and multiplication stimulating activity with endothelial cells. Bar RS, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):466–73

Effects of insulin, insulin-like growth factor-II and nerve growth factor on neurite outgrowth in cultured human neuroblastoma cells. Recio-Pinto E, et al. **Brain Res** 1984 Jun 8;302(2):323–34

Insulin-like growth factors stimulate synthesis of nucleic acids and glycogen in cultured calvaria cells. Schmid C, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):578–85

Effects of somatomedin and other factors on glycosaminoglycan synthesis in cultured rat chondrocytes. Asakawa K, et al. **Endocrinol Jpn** 1983 Dec;30(6):701–6

Human growth hormone and somatomedin C suppress the spontaneous release of growth hormone in unanesthetized rats. Abe H, et al. **Endocrinology** 1983 Oct;113(4):1319–24

The actions of insulin-like growth factors I and II on cultured Sertoli cells. Borland K, et al. **Endocrinology** 1984 Jan;

114(1):240–6
Inhibition of insulin degradation by insulin-like growth factors. Misbin RI, et al. **Endocrinology** 1983 Oct; 113(4):1525–7
Mitogen-potentiating action and binding characteristics of insulin and insulin-like growth factors in Chinese hamster fibroblasts. Van Obberghen-Schilling E, et al. **Exp Cell Res** 1983 Sep;147(2):369–78
Insulin-like growth factor I supports differentiation of cultured osteoblast-like cells. Schmid C, et al. **FEBS Lett** 1984 Jul 23;173(1):48–52
The role of polyamines in somatomedin-stimulated differentiation of L6 myoblasts. Ewton DZ, et al. **J Cell Physiol** 1984 Sep;120(3):263–70
Stimulation by somatomedin-C of aminoisobutyric acid uptake in human fibroblasts: a possible test for cellular responsiveness to somatomedin. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):176–81
Somatomedins (insulin-like growth factors), but not growth hormone, are mitogenic for chicken heart mesenchymal cells and act synergistically with epidermal growth factor and brain fibroblast growth factor. Balk SD, et al. **Life Sci** 1984 Jul 23;35(4):335–46
Nutrition and somatomedin. X. Comparison of insulin-like activity of somatomedins extracted from liver and serum. Phillips LS, et al. **Metabolism** 1984 Jan;33(1):34–41
The role of the insulin receptor in mediating the insulin-stimulated growth response in Reuber H-35 cells. Koontz JW. **Mol Cell Biochem** 1984;58(1–2):139–46
Effects of insulin and IGF-I on RNA synthesis in isolated soleus muscle. Monier S, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):109–14
Stimulation of tyrosine-specific phosphorylation in vitro by insulin-like growth factor I. Rubin JB, et al. **Nature** 1983 Sep 29–Oct 5;305(5933):438–40
Insulin and insulin-like growth factor II permit nerve growth factor binding and the neurite formation response in cultured human neuroblastoma cells. Recio-Pinto E, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2562–6
Inhibition of the mitogenic effects of plasma by a monoclonal antibody to somatomedin C. Russell WE, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2389–92
Synthetic somatomedin C: comparison with natural hormone isolated from human plasma. Van Wyk JJ, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):740–2
[Effects of insulin, somatomedin—a multiplication stimulating activity (MSA)—and transferrin, on the lipolysis of rat adipocytes in vitro] Elsair J, et al. **C R Soc Biol (Paris)** 1984;178(1):56–62 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Reciprocal modulation of insulin and insulin-like growth factor-I receptor affinity by calcium. Baxter RC, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):62–7
Somatomedins and proteolytic bioactivation of prolactin and growth hormone. Mittra I. **Cell** 1984 Sep;38(2):347–8
Tissue growth factors. **Clin Endocrinol Metab** 1984 Mar; 13(1):1–229
Somatomedin activity in disorders of nutrition and metabolism. Phillips LS, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):145–89 (216 ref.)
Insulin and insulin-like growth factors/somatomedins in fetal and neonatal development. Underwood LE, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):69–89 (112 ref.)
Biological and immunological properties of insulin-like growth factors (IGF) I and II. Zapf J, et al. **Clin Endocrinol Metab** 1984 Mar;13(1):3–30 (81 ref.)
A novel role for somatomedin-C in the cytodifferentiation of the ovarian granulosa cell. Adashi EY, et al. **Endocrinology** 1984 Sep;115(3):1227–9
Pygmy mouse fibroblasts in tissue culture: evaluation of multiplication stimulating activity (MSA) receptors and growth responses to MSA. August GP, et al. **Horm Metab Res** 1984 Aug;16(8):439–44
Recent advances in the biochemistry and physiology of the insulin-like growth factor/somatomedin family. Herington AC, et al. **Int J Biochem** 1983;15(10):1201–10 (109 ref.)
Stimulation by somatomedin-C of aminoisobutyric acid uptake in human fibroblasts: a possible test for cellular responsiveness to somatomedin. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):176–81
Contribution of human somatomedin activity to the serum growth requirement of human skin fibroblasts and chick embryo fibroblasts in culture. Moses AC, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):937–46
Somatomedin carrier proteins. Smith GL. **Mol Cell Endocrinol** 1984 Feb;34(2):83–9
The role of somatomedins in growth regulation. Bijlsma JW, et al. **Neth J Med** 1983;26(8):232–9 (110 ref.)
Tissue concentrations of somatomedin C: further evidence for multiple sites of synthesis and paracrine or autocrine mechanisms of action. D'Ercole AJ, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):935–9
Growth and somatomedins. Hall K, et al. **Vitam Horm** 1983; 40:175–233 (250 ref.)
[Effect of somatomedin A and its serum cofactor on human fibroblasts in culture. Relation between mitogenic activity and effects on the biosynthesis of collagen and other proteins] Maquart FX, et al. **C R Seances Acad Sci [III]** 1983;297(4):175–80 (Eng. Abstr.) **(Fre)**
[Somatomedins—a review. I. Classification, physiology, determination] Jahreis G, et al. **Kinderarztl Prax** 1983 Aug; 51(8):355–61 (Eng. Abstr.) **(Ger)**
[Chondrogenesis and microenvironment: roles of somatomedin-like growth factors and extracellular matrix] Kato Y. **Seikagaku** 1983 Sep;55(9):1067–91 (160 ref.) **(Jpn)**
[Insulin-like activity of the blood] Stryjek-Kamińska D. **Pol Arch Med Wewn** 1983 Apr–May;69(4–5):351–4 (18 ref.) **(Pol)**
[Somatomedins. General characteristics] Grzywa M. **Pol Tyg Lek** 1984 Jan 23;39(4):129–33 (39 ref.) **(Pol)**
[Somatomedins—biological and clinical aspects] Kuska J, et al. **Postepy Hig Med Dosw** 1983 Jan–Feb;37(1):53–73 (132 ref.) (Eng. Abstr.) **(Pol)**

SECRETION

Insulin-like growth factors I and II, prolactin, and insulin in 19 growth hormone-deficient children with excessive, normal, or decreased longitudinal growth after operation for craniopharyngioma. Bucher H, et al. **N Engl J Med** 1983 Nov 10;309(19):1142–6
[Somatomedins. II. Regulation of secretion and their clinical significance] Grzywa M. **Pol Tyg Lek** 1983 Oct 31; 38(44):1373–7 (40 ref.) **(Pol)**

SOMATOSENSORY CORTEX

Preliminary data concerning adenosine action upon the evoked potential after electrical stimulation of the vibrissal follicles in the adult rat. Petrescu G, et al. **Physiologie** 1983 Oct–Dec;20(4):229–33

ANATOMY & HISTOLOGY

Reciprocal connections between the claustrum and the gyrus sigmoideus posterior in the cat. An experimental study using the antegrade degeneration methods and the HRP retrograde axonal transport. Druga R. **Anat Anz** 1984; 156(2):109–18
Somatosensory cortex: a 'new' somatotopic representation. Clemo HR, et al. **Brain Res** 1982 Mar 4;235(1):162–8
Evidence for the complementary organization of callosal and thalamic connections within rat somatosensory cortex. Olavarria J, et al. **Brain Res** 1984 Jan 23;291(2):364–8
Reevaluation of motor cortex and of sensorimotor overlap in cerebral cortex of albino rats. Sanderson KJ, et al. **Brain Res** 1984 Feb 6;292(2):251–60
Patterns of afferent projections to transitional zones in the somatic sensorimotor cerebral cortex of albino rats. Welker W, et al. **Brain Res** 1984 Feb 6;292(2):261–7
Lack of collateral thalamocortical projections to fields of the first somatic sensory cortex in monkeys. Jones EG. **Exp Brain Res** 1983;52(3):375–84
Distribution of corticospinal neurons with collaterals to lower brain stem reticular formation in cat. Keizer K, et al. **Exp Brain Res** 1984;54(1):107–20
Corticobulbar projections and orofacial and muscle afferent inputs of neurons in primate sensorimotor cerebral cortex. Sirisko MA, et al. **Exp Neurol** 1983 Dec;82(3):716–20
Ipsilateral cortical connections from the second and fourth somatic sensory areas in the cat. Burton H, et al. **J Comp Neurol** 1984 Jun 1;225(4):527–53
Somatosensory cortical map changes following digit amputation in adult monkeys. Merzenich MM, et al. **J Comp Neurol** 1984 Apr 20;224(4):591–605
Direct connections of rat visual cortex with sensory, motor, and association cortices. Miller MW, et al. **J Comp Neurol** 1984 Jun 20;226(2):184–202
Somatosensory thalamocortical connections in the raccoon: an HRP study. Warren S, et al. **J Comp Neurol** 1984 Aug 20;227(4):597–606
Localization of neurons giving rise to some descending fiber systems in the sensomotor and orbitofrontal cortex. Verbitskaya LB, et al. **Neurosci Behav Physiol** 1984 Mar–Apr;14(2):93–9
Cortical relay neurons and interneurons in the N. ventralis posterolateralis of cats: a horseradish peroxidase, electron-microscopic, Golgi and immunocytochemical study. Spreafico R, et al. **Neuroscience** 1983 Jul; 9(3):491–509
The brain's dynamic way of keeping in touch [news] Fox JL. **Science** 1984 Aug 24;225(4664):820–1
[Topography of the thalamo-cortical projections on trunk representation demonstrated by fluorescent neuro-tracers] Barbaresi P, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30; 60(4):811–5 (Eng. Abstr.) **(Ita)**
[Callosal connections of the somatosensory area in the primate: anatomical and electrophysiological studies] Manzoni T, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30; 60(4):817–22 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Non-random distribution of blood vessels in the posterior region of the rat somatosensory cortex. Patel U. **Brain Res** 1983 Dec 19;289(1–2):65–70

CYTOLOGY

Interneurons of the cat sensorimotor cortex. Batuev AS, et al. **J Hirnforsch** 1984;25(1):107–19
Synaptic organization of immunocytochemically identified GABA neurons in the monkey sensory-motor cortex. Hendry SH, et al. **J Neurocytol** 1983 Aug;12(4):639–60
Morphological diversity of immunocytochemically identified GABA neurons in the monkey sensory-motor cortex. Houser CR, et al. **J Neurocytol** 1983 Aug;12(4):617–38
[Localization of dopamine receptors on nerve cell membranes] Kozhechkin SN, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):436–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

A comparative study of two populations of acetylcholine-sensitive neurons in rat somatosensory cortex. Lamour Y, et al. **Brain Res** 1983 Dec 19; 289(1–2):157–67
Cortical reflex myoclonus responds to intravenous lisuride. Obeso JA, et al. **Clin Neuropharmacol** 1983;6(3):231–40
Taurine- and penicillin-induced epileptic activity. Alvarez A, et al. **J Neurosci Res** 1984;11(2):187–92
Differential antagonistic effects of haloperidol on excitatory responses of cortical neurones to phenylephrine, noradrenaline and dopamine. Bradshaw CM, et al. **Neuropharmacology** 1983 Aug;22(8):945–52
A comparison of the effects of N-methyl-D-aspartate and quinolinate on central neurones of the rat. McLennan H. **Neurosci Lett** 1984 May 4;46(2):157–60
Effects of neuropeptides on rat cortical neurons: laminar distribution and interaction with the effect of acetylcholine. Lamour Y, et al. **Neuroscience** 1983 Sep;10(1):107–17
Effects of transcutaneous electrical nerve stimulation and aspirin on late somatosensory evoked potentials in normal subjects. Ashton H, et al. **Pain** 1984 Apr;18(4):377–86
Ethanol's effect on selective gating of somatic sensory inputs to single cortical neurons. Chapin JK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:489–93
Cortical and thalamic effects of local application of pentazocine to the rat somatosensory cortex. Soto-Moyano R, et al. **Pharmacol Res Commun** 1984 Feb;16(2):199–205
[Effect of a vasopressin analog on the chemoreactive properties of sensorimotor cortex neurons] Kruglikov RI, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):3–5 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Synaptic development in the human fetus: a morphometric analysis of normal and Down's syndrome neocortex. Petit TL, et al. **Exp Neurol** 1984 Jan;83(1):13–23

ENZYMOLOGY

The distribution of hexokinase compared to cytochrome oxidase and acetylcholinesterase in the somatosensory cortex and the superior colliculus of the rat. Sandell JH. **Brain Res** 1984 Jan 9;290(2):384–9
[Cytophotometric study of changes in glutamate dehydrogenase and GABA transaminase in the cerebral cortex during corazole kindling] Moiseev IN, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):418–20 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

An autoradiographic study of the postnatal development of sensorimotor and visual components of the corticopontine system. Mihailoff GA, et al. **J Comp Neurol** 1984 Jan 1; 222(1):116–27
Transient cerebrocerebellar projections in kittens: postnatal development and topography. Tolbert DL, et al. **J Comp Neurol** 1983 Dec 1;221(2):216–28
Early development of changes in cortical representation of C3 vibrissa following neonatal denervation of surrounding vibrissa receptors: a 2-deoxyglucose study in the rat. Kossut M, et al. **Neurosci Lett** 1984 Apr 20;46(1):7–12
The development of the vibrissal cortical column: a 2-deoxyglucose study in the rat. Kossut M, et al. **Neurosci Lett** 1984 Apr 20;46(1):1–6
[Features of the structural organization of the sensomotor cortex during natural development and among the progeny of alcoholic animals] Popova EN. **Zh Nevropatol Psikhiatr** 1983;83(7):1053–6 (Eng. Abstr.) **(Rus)**

METABOLISM

In vivo electrochemical detection of 5-hydroxyindoles in rat somatosensory cortex: effect of the stimulation of the serotonergic pathways in normal and pCPA-pretreated animals. Rivot JP, et al. **Brain Res** 1983 Sep 19;275(1):164–8
Changes in [Ca2+]0, [K+]0 and neuronal activity during oenanthotoxin-induced epilepsy in cat sensorimotor cortex. Louvel J, et al. **Electroencephalogr Clin Neurophysiol** 1983 Nov;56(5):457–66
Computer-assisted three-dimensional and two-dimensional reconstructions of autoradiographic images of the cerebral cortex. Stein A, et al. **J Neurosci Methods** 1984 Mar; 10(3):189–98
Retrograde transport of D-[3H]aspartate in thalamocortical neurones. Ottersen OP, et al. **Neurosci Lett** 1983 Nov 21; 42(1):19–24

PATHOLOGY

Structural and functional changes in neurons and glia in the sensomotor cortex in experimental neurosis. Aleksandrovskaya MM, et al. **Neurosci Behav Physiol** 1983

Jan-Feb;13(1):62-7
[Resistance of cortical and hypothalamic neurons to recurrent asphyxia] Kuz'mina TR, et al. **Fiziol Zh SSSR** 1984 Apr; 70(4):411-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A single vibrissal column in the first somatosensory cortex of the mouse demonstrated with 2-deoxyglucose. Chmielowska J, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(2):83-7
Neuromagnetic responses from the second somatosensory cortex in man. Hari R, et al. **Acta Neurol Scand** 1983 Oct; 68(4):207-12
Projected and receptive fields: a comparison of projected areas of sensations evoked by intraneural stimulation of mechanoreceptive units, and their innervation territories. Schady WJ, et al. **Acta Physiol Scand** 1983 Nov; 119(3):267-75
Interaction between motor commands and somatosensory afferents in the control of prehension. Smith AM, et al. **Adv Neurol** 1983;39:373-85
The P40 and P100 processing positivities that precede P300 closure in serial somatosensory decision tasks. Desmedt JE, et al. **Ann NY Acad Sci** 1984;425:188-93
The precentral somatosensory evoked potential. Papakostopoulos D, et al. **Ann NY Acad Sci** 1984; 425:256-61
Neurophysiological effects of -X impact acceleration. Weiss MS, et al. **Aviat Space Environ Med** 1983 Nov; 54(11):1023-7
Callosal mechanism for the interhemispheric transfer of hand somatosensory information in the monkey. Manzoni T, et al. **Behav Brain Res** 1984 Feb;11(2):155-70
Relative contributions of SII and area 5 to tactile discrimination in monkeys. Murray EA, et al. **Behav Brain Res** 1984 Jan;11(1):67-83
Taste agnosia following gustatory neocortex ablation: dissociation from odor and generality across taste qualities. Kiefer SW, et al. **Behav Neurosci** 1984 Aug;98(4):590-608
The long-term effects of removal of sensorimotor cortex in infant and adult rhesus monkeys. Passingham RE, et al. **Brain** 1983 Sep;106 (Pt 3):675-705
An anatomical study of the effects of unilateral removal of sensorimotor cortex in infant monkeys on the subcortical projections of the contralateral sensorimotor cortex. Sloper JJ, et al. **Brain** 1983 Sep;106 (Pt 3):707-16
Parallel processing of somatosensory information: a theory. Dykes RW. **Brain Res** 1983 Aug;287(1):47-115
Receptive field size for certain neurons in primary somatosensory cortex is determined by GABA-mediated intracortical inhibition. Hicks TP, et al. **Brain Res** 1983 Sep 5;274(1):160-4
Interactions among convergent inputs to somatosensory cortex neurons. Macgillis M, et al. **Brain Res** 1983 Oct 16;276(2):329-32
Responsiveness of monkey primary somatosensory cortical neurons to peripheral stimulation depends on 'motor-set'. Nelson RJ. **Brain Res** 1984 Jun 18;304(1):143-8
Multi-whisker stimulation and its effects on vibrissa units in rat SmI barrel cortex. Simons DJ. **Brain Res** 1983 Oct 3;276(1):178-82
Somatosensory evoked cerebral magnetic fields from SI and SII in man. Hari R, et al. **Electroencephalogr Clin Neurophysiol** 1984 Mar; 57(3):254-63
Interhemispheric transfer of voluntary motor commands in man. Schieppati M, et al. **Electroencephalogr Clin Neurophysiol** 1984 May;57(5):441-7
Saturation in human somatosensory pathways. Gandevia SC, et al. **Exp Brain Res** 1984;54(3):582-5
Convergence in the somatosensory pathway between cutaneous afferents from the index and middle fingers in man. Gandevia SC, et al. **Exp Brain Res** 1983; 50(2-3):415-25
Compensatory motor function of the somatosensory cortex for the motor cortex temporarily impaired by cooling in the monkey. Sasaki K, et al. **Exp Brain Res** 1984;55(1):60-8
Functional relations between the cortical gustatory area and the amygdala: electrophysiological and behavioral studies in rats. Yamamoto T, et al. **Exp Brain Res** 1984;56(1):23-31
Convergence of sensory inputs upon projection neurons of somatosensory cortex: vestibular, neck, head, and forelimb inputs. Zarzecki P, et al. **Exp Brain Res** 1983;50(2-3):408-14
Functional difference of tooth pulp-driven neurons in oral and facial areas of the somatosensory cortex (SI) of the cat. Matsumoto N. **Exp Neurol** 1984 Aug;85(2):437-51
Dendritic alteration of spinal motoneurons after ablation of somatomotor cortex. Standler NA, et al. **Exp Neurol** 1984 Feb;83(2):264-73
Sensory correlates of somatic afferent fibre activation. Torebjörk HE, et al. **Hum Neurobiol** 1984;3(1):15-20
The somatotopic organization of the ventroposterior thalamus of the squirrel monkey, Saimiri sciureus. Kaas JH, et al. **J Comp Neurol** 1984 Jun 10;226(1):111-40
The relation of corpus callosum connections to architectonic fields and body surface maps in sensorimotor cortex of new and old world monkeys. Killackey HP, et al. **J Comp Neurol** 1983 Oct 1;219(4):384-419
Organization of a fourth somatosensory area of cortex in cat. Clemo HR, et al. **J Neurophysiol** 1983 Oct;50(4):910-25
Responses of primate SI cortical neurons to noxious stimuli. Kenshalo DR Jr, et al. **J Neurophysiol** 1983 Dec; 50(6):1479-96
Neurons with unusual response and receptive-field properties in upper laminae of cat SI cortex. McKenna TM, et al. **J Neurophysiol** 1984 May;51(5):1055-76
Corticotectal and corticothalamic efferent projections of SIV somatosensory cortex in cat. Stein BE, et al. **J Neurophysiol** 1983 Oct;50(4):896-909
Modular distribution of neurons with slowly adapting and rapidly adapting responses in area 3b of somatosensory cortex in monkeys. Sur M, et al. **J Neurophysiol** 1984 Apr; 51(4):724-44
Cutaneous responsiveness in primary somatosensory (S-I) hindpaw cortex before and after partial hindpaw deafferentation in adult rats. Wall JT, et al. **J Neurosci** 1984 Jun;4(6):1499-515
Timing of corticofugal actions on the gracile and cuneate nuclei of the cat. Cole JD, et al. **J Physiol (Lond)** 1983 Aug;341:139-52
Rearrangement of neuronal responses in the trigeminal system of the rat following peripheral nerve section. Waite PM. **J Physiol (Lond)** 1984 Jul;352:425-45
Effect of inactivation of sensomotor cortical function by cold on unit activity in the head of the caudate nucleus. Agnaev AK. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):85-7
Stability of interneuron connections in the sensorimotor cortex of cats. Gaziev AK. **Neurosci Behav Physiol** 1984 Mar-Apr;14(2):130-2
Visual and sensomotor cortical unit activity in the presence of dominant food motivation. Grebenyuk LA. **Neurosci Behav Physiol** 1983 Jul-Aug;13(4):234-6
Effect of a dominant focus in the mesencephalic reticular formation on the functional state of the sensomotor cortex. Grechushnikova LS. **Neurosci Behav Physiol** 1983 Sep-Oct;13(5):391-6
Effect of amygdalectomy on sensomotor cortical evoked potentials in cats. Kamenskaya VG, et al. **Neurosci Behav Physiol** 1983 Mar-Apr;13(2):108-13
Multineuronal characteristics of brain activation during extinction of the action of indifferent stimuli. Kratin YuG, et al. **Neurosci Behav Physiol** 1983 Sep-Oct;13(5):370-8
Role of noradrenaline in the development of conditioned responses to sound in neurons of the sensorimotor cortex of rabbits. Polonskaya EL, et al. **Neurosci Behav Physiol** 1984 Mar-Apr;14(2):127-9
Morphological and functional changes in sensomotor cortical synapses during the summation reflex in rabbits. Ryabinina MA, et al. **Neurosci Behav Physiol** 1983 Mar-Apr; 13(2):114-22
Progression of change following median nerve section in the cortical representation of the hand in areas 3b and 1 in adult owl and squirrel monkeys. Merzenich MM, et al. **Neuroscience** 1983 Nov;10(3):639-65
Recovery by push-pull perfusion of neurochemicals released within the cuneate nucleus of the cat by somatosensory stimulation. Goldfinger MD, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):117-23
Mesencephalic and bulbar reticular influences on somatosensory cortical neurons: short- and long-latency effects. Schieppati M, et al. **Sleep** 1983;6(3):186-95
[Spinal and cerebral somatosensory evoked potentials in single and double stimulation of the tibial nerve] Gerhard H, et al. **Arch Psychiatr Nervenkr** 1983;233(4):297-306 (Eng. Abstr.) **(Ger)**
[Peripheral and central neural conduction in the rat] Claus D, et al. **EEG EMG** 1983 Sep;14(3):160-3 (Eng. Abstr.) **(Ger)**
[Projection of tooth pulp and oro-facial afferents to neurons in the cortical somatosensory area in the cat] Sunakawa M, et al. **Kokubyo Gakkai Zasshi** 1983 Sep;50(3):443-9 (Eng. Abstr.) **(Jpn)**
[Response characteristics of the tooth pulp-driven neurons in the 1st somatosensory cortex, especially in the facial sensory area, of the cat] Matsumoto N, et al. **Nippon Seirigaku Zasshi** 1983;45(2):84-94 (Eng. Abstr.) **(Jpn)**
[Compensatory restoration of function in cats following resection of the somatosensory pathways: role of the cerebral commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):272-4 (Eng. Abstr.) **(Rus)**
[Interhemispheric transmission of visual information to the cat somatosensory cortex: role of subcortical commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):5-7 (Eng. Abstr.) **(Rus)**
[Changes in trace reactions of sensorimotor cortex and putamen neurons as affected by haloperidol] Zhavoronkova LA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):307-8 (Eng. Abstr.) **(Rus)**
[Neurochemical components of the compensatory reorganization of the cortical portion of the somatosensory analyzer] Dybovskiĭ AP, et al. **Dokl Akad Nauk SSSR** 1983; 272(5):1273-6 **(Rus)**
[Reorganization of the cortical visceral representation in the neuronal isolation of the cortex of 1 hemisphere] Silakov VL, et al. **Dokl Akad Nauk SSSR** 1983;271(2):496-8 **(Rus)**
[Characteristics of descending influences from the 1st zone of the cat somatosensory cortex on neurons of the ventro postero lateral thalamic nucleus] Voloshin MIa, et al. **Fiziol Zh** 1983 Nov-Dec;29(6):643-50 (Eng. Abstr.) **(Rus)**
[Neuronal activity of the limbic cortex in stimulation of the somatosensory areas] Vagramian ZA, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1137-42 (Eng. Abstr.) **(Rus)**
[Effect of microwaves on work capacity and impedance of the brain structures of rats] Vasilevskiĭ NN, et al. **Fiziol Zh SSSR** 1984 Apr;70(4):419-24 (Eng. Abstr.) **(Rus)**
[Activity of neurons of the somatosensory and visual cortex in the rabbit during visual field testing and performance of food-getting behavior] Aleksandrov IuI, et al. **Neirofiziologiia** 1984;16(2):254-62 (Eng. Abstr.) **(Rus)**
[Plasticity of a micropopulation of cortical neurons] Kotliar BI. **Nerv Sist** 1982;23:74-86 **(Rus)**
[The problem of sensomotor integration and determination of the biological significance of acoustic stimuli] Kulikov GA, et al. **Nerv Sist** 1982;23:13-29 **(Rus)**
[Role of the second somatosensory area of the cat cerebral cortex in the development of the antinociceptor effect of electroacupuncture] Durinian RA, et al. **Patol Fiziol Eksp Ter** 1984 Jan-Feb;(1):63-6 (Eng. Abstr.) **(Rus)**
[Oligopeptides in mechanisms of emotional reactions] Sudakov KV. **Vopr Med Khim** 1984 May-Jun;30(3):15-23 (Eng. Abstr.) **(Rus)**
[Inhibitory responses of sensomotor cortex neurons in the rabbit to the initial stages of elaboration of conditioned defensive reflexes] Aleksandrov AA, et al. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):755-7 **(Rus)**
[Comparative analysis of the interactions between spontaneous active neurons of the sensomotor cortex of kittens and adult cats] Gaziev AK. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):903-10 (Eng. Abstr.) **(Rus)**
[Interneuronal interrelations in the somatosensory cortex in rat pups during the 1st month of postnatal life] Maksimova LN. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):770-2 **(Rus)**
[Effect of arousing and somnogenic effects on the hypothalamus on the space-time organization of the internal connections of the somatosensory cortex] Mogilevskiĭ AIa, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct; 33(5):893-902 (Eng. Abstr.) **(Rus)**
[Function of the superior colliculi of the corpora quadrigemina during creation of a local focus of increased excitability in the mesencephalic reticular formation and sensomotor cortex] Panakhova EN, et al. **Zh Vyssh Nerv Deiat** 1984 Jan-Feb;34(1):115-23 (Eng. Abstr.) **(Rus)**
[Correlation between the amplitude of action potentials and the rate of conduction along axons of the output cells of the sensomotor cortex] Veber NV, et al. **Zh Vyssh Nerv Deiat** 1983 Nov-Dec;33(6):1114-20 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Altered properties and laminar distribution of neuronal responses to peripheral stimulation in the SmI cortex of the arthritic rat. Lamour Y, et al. **Brain Res** 1983 Aug 22;273(1):183-7
Long term effects of spinal cord lesions on the configuration of somatosensory evoked potentials. Part 1: Alterations in waveform characteristics. Simpson RK Jr, et al. **Clin Electroencephalogr** 1983 Jul;14(3):142-51
Neurophysiological assessment of the somatosensory pathway in rheumatic patients with atlanto-axial subluxation. Schoenhuber R, et al. **Electromyogr Clin Neurophysiol** 1984 Mar-Apr;24(3):213-6
On the significance of giant somatosensory evoked potentials in cortical myoclonus. Rothwell JC, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):33-42
Evoked potentials in rats with misonidazole neurotoxicity. II. Somatosensory evoked potentials. Powers SK, et al. **J Neurooncol** 1983;1(2):125-30
General physiology of the brain. Compensatory reorganization of the SI zone of the cat neocortex. Silakov VL, et al. **Neurosci Behav Physiol** 1983 Jul-Aug; 13(4):274-80
Neuromagnetic localization of cortical activity evoked by painful dental stimulation in man. Hari R, et al. **Neurosci Lett** 1983 Nov 21;42(1):77-82
Cortical evoked potential monitoring. A system for intraoperative monitoring of spinal cord function. Brown RH, et al. **Spine** 1984 Apr;9(3):256-61
[Neuronal electrical activity and acetylcholine concentration in the cortical projection area of afferent nociceptive signals] Limanskiĭ IuP, et al. **Fiziol Zh** 1984 May-Jun; 30(3):295-302 (Eng. Abstr.) **(Rus)**
[Evoked potentials of the brain in patients with disseminated sclerosis] Sokolova LI. **Vrach Delo** 1984 Jun;(6):102-4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Respiratory system activity in laser irradiation of brain structures] Merkulova NA, et al. **Biol Nauki** 1983;(8):47-51 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical control of semichronic epileptic foci in the cat's sensorimotor cortex. Reichenthal E, et al. **Surg Neurol** 1983 Nov;20(5):422-6

ULTRASTRUCTURE

Ultrastructural changes in the sensomotor cortex of the rabbit after complete 30-min brain ischemia. Pluta R, et al. **J Neurosci Res** 1984;11(1):35-47

Ultrastructure of components of the functional element of the sensomotor cortex in endotoxin shock. Polyanin KI, et al. **Neurosci Behav Physiol** 1984 Jan-Feb;14(1):54-9

[Ultrastructure of the synapses of the initial axonal segment of the pyramidal neuron] Bragina TA. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):17-24 (Eng. Abstr.) (Rus)

[Morphological characteristics of various segments of local connections in the rat somatosensory cortex] Ponomareva EV. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):24-30 (Eng. Abstr.) (Rus)

[Structural aspects of the development and formation of growth cones in the sensorimotor cortex and caudate nucleus in ontogeny] Bogolepov NN, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):961-6 (Eng. Abstr.) (Rus)

SOMATOSENSORY EVOKED POTENTIALS see EVOKED POTENTIALS, SOMATOSENSORY

SOMATOSTATIN see SOMATOTROPIN RELEASE INHIBITING HORMONE

SOMATOSTATINOMA see under ISLET CELL TUMOR

SOMATOTROPIN

Conformational comparison of human pituitary growth hormone and human chorionic somatomammotropin (human placental lactogen) by second-order absorption spectroscopy. Bewley TA, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):219-27

The heterogeneity of bovine growth hormone. Extraction from the pituitary of components with different biological and immunological properties. Hart IC, et al. **Biochem J** 1984 Mar 1;218(2):573-81

Endocrine aspects of malnutrition [letter] Robinson HM. **Pediatr Res** 1983 Dec;17(12):1020

ADMINISTRATION & DOSAGE

Increased growth rate following transfer to daily sc administration from three weekly im injections of hGH in growth hormone deficient children. Kastrup KW, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):148-52

Acute effects of growth hormone administration: vitamin A and visceral protein concentrations. Kemp SF, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):390-6

Comparison of different patterns of exogenous growth hormone administration on milk production in Holstein cows. Frank TJ, et al. **J Anim Sci** 1983 Sep;57(3):699-705

Prospective clinical trial of human growth hormone in short children without growth hormone deficiency. Gertner JM, et al. **J Pediatr** 1984 Feb;104(2):172-6

Acquired refractoriness to growth hormone in a patient with isolated growth hormone deficiency: growth and plasma somatomedin-C response to high-dose growth hormone therapy. Winterer J, et al. **J Pediatr** 1984 Jun;104(6):908-11

The effect of small but sustained elevations in circulating growth hormone on fuel metabolism in growth hormone deficiency. Tamborlane WV, et al. **Pediatr Res** 1984 Feb; 18(2):212-5

[Growth hormone for normal small children?] Steendijk R. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):313-5 (Dut)

ANALOGS & DERIVATIVES

Biosynthetic Met-hGH: lack of immunoreactivity for other pituitary hormones. Nakagawa K, et al. **Endocrinol Jpn** 1983 Oct;30(5):697-700

Treatment of idiopathic pituitary dwarfism with methionyl human growth hormone. Takano K, et al. **Endocrinol Jpn** 1983 Aug;30(4):523-7

Preparation and biological reactivity of polyiodinated human growth hormone. Goodman HM, et al. **Endocrinology** 1983 Dec;113(6):2017-23

Clinical uses of synthetic growth hormone. Hintz RL, et al. **Hosp Pract** 1983 Oct;18(10):115-9, 123-4

Modification of arginines in bovine growth hormone. Wolfenstein-Todel C, et al. **Int J Pept Protein Res** 1983 Nov;22(5):611-6

ANALYSIS

Immunochemical characterization of charge isomers of bacteria-derived human growth hormone with monoclonal antibodies. Jónsdóttir I, et al. **FEBS Lett** 1984 Feb 13; 167(1):15-8

The effect of age on the number of pituitary cells immunoreactive to growth hormone and prolactin. Sun YK, et al. **Hum Pathol** 1984 Feb;15(2):169-80

Characterization of human growth hormone from acromegalic pituitary tumors. Chang WC, et al. **Int J Pept Protein Res** 1984 Jun;23(6):637-41

Pituitary adenomas in acromegalic patients: an immunohistochemical and endocrinological study with special reference to prolactin-secreting adenoma. Kanie N, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1093-101

Somatostatin fibers and their relationship to specific cell types (GH and TSH) in the rat anterior pituitary. Westlund KN, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):557-62

Recombinant-derived chicken growth hormone used for radioimmunoassay. Proudman JA. **Proc Soc Exp Biol Med** 1984 Apr;175(4):417-9

The protein A-gold technique. Use in the immunoelectron microscopic study of the teleost growth hormone. Ueda H, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):39-46

Immunohistochemical examination of the paraadenomatous 'normal' pituitary. An evaluation of prolactin cell hyperplasia. Landolt AM, et al. **Virchows Arch [A]** 1984; 403(2):181-93

ANTAGONISTS & INHIBITORS

Inhibition by gastrin-releasing peptide of growth hormone (GH) secretion induced by human pancreatic GH-releasing factor in rats. Kabayama Y, et al. **Endocrinology** 1984 Aug; 115(2):649-53

[Growth-hormone resistance states] Postel-Vinay MC, et al. **Ann Endocrinol (Paris)** 1983;44(5):333-4 (Fre)

BIOSYNTHESIS

Progesterone-controlled growth hormone overproduction and naturally occurring canine diabetes and acromegaly. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):167-76

Nicotinamide and its derivatives increase growth hormone and prolactin synthesis in cultured GH3 cells: role for ADP-ribosylation in modulating specific gene expression. Kimura N, et al. **DNA** 1983;2(3):195-203

Cortisol augments synthesis of growth hormone, but does not alter synthesis of prolactin and proopiomelanocortin, in the 120- to 125-day fetal ovine pituitary. Miller WL, et al. **Endocrinology** 1984 Jul;115(1):249-54

Pituitary adenomas producing growth hormone in acromegalic patients. Smallman LA, et al. **J Clin Pathol** 1984 Apr;37(4):382-9

A comparative study of ectopic production of human chorionic gonadotropin and human chorionic somatotropin by carcinoma of the uterine cervix. Das S, et al. **Oncology** 1984;41(5):303-7

[Characteristics of human somatotropin synthesized in bacteria by genetic engineering methods] Rubtsov PM, et al. **Dokl Akad Nauk SSSR** 1984;276(3):762-4 (Rus)

[Somatotropin-synthesizing activity of the in vitro cultured adenohypophyses of intact, hypo- and hyperthyroid rats] Shostak IN, et al. **Probl Endokrinol (Mosk)** 1984 Mar-Apr; 30(2):61-5 (Eng. Abstr.) (Rus)

[Immunochemical method of determining the biosynthesis of hypophyseal hormones. Effect of liberins and cyclic AMP on the biosynthesis of luteinizing hormone, prolactin and growth hormone in the rat pituitary] Krivosheev OG, et al. **Vopr Med Khim** 1983 Nov-Dec;29(6):45-50 (Eng. Abstr.) (Rus)

BLOOD

Changes in serum somatomedin and growth hormone concentrations after 3 weeks oestrogen substitution in post-menopausal women; a pilot study. Duursma SA, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):527-31

Insulin-like growth factor I in the dog: a study in different dog breeds and in dogs with growth hormone elevation. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1984 Mar; 105(3):294-301

Growth hormone and insulin-like growth factor I in German shepherd dwarf dogs. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):289-93

Treatment of ewes at different stages of pregnancy with epidermal growth factor: effects on wool growth and plasma concentrations of growth hormone, prolactin, placental lactogen and thyroxine and on foetal development. Moore GP, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):558-66

Changes in plasma GH levels and clinical activity during bromocriptine therapy in acromegaly. The value of predictive tests. Nortier JW, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):175-83

Glucose, growth hormone, somatomedin, cortisol and ACTH changes in the plasma of unanaesthetised pig foetuses following intravenous insulin administration in utero. Spencer GS, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):240-5

Growth hormone and endothelial function during exercise in diabetics with and without retinopathy. Sundkvist G, et al. **Acta Med Scand** 1984;215(1):55-61

ACTH in normal children and children with pituitary and adrenal diseases. II. Plasma ACTH (cortisol and growth hormone) values during insulin hypoglycaemia--patients with idiopathic hypopituitarism and intracranial tumour. Petersen KE. **Acta Paediatr Scand** 1984 May;73(3):372-8

Growth hormone, vasopressin, cortisol, and catecholamine responses to insulin hypoglycemia in alcoholics. Eisenhofer G, et al. **Alcoholism (NY)** 1984 Jan-Feb;8(1):33-6

Growth hormone assessment by radioreceptor and radioimmunoassay. Radioreceptor assay and radioimmunoassay comparisons. LaFranchi S, et al. **Am J Dis Child** 1984 Jan;138(1):23-7

A comparison of clonidine and standard provocative agents of growth hormone. Slover RH, et al. **Am J Dis Child** 1984 Mar;138(3):314-7

The endocrine responses to protein calorie malnutrition. Becker DJ. **Annu Rev Nutr** 1983;3:187-212 (229 ref.)

Rat mammary carcinoma regressions during suppression of serum growth hormone and prolactin. Rose DP, et al. **Anticancer Res** 1983 Sep-Oct;3(5):323-5

Growth hormone levels in psoriasis. Priestley GC, et al. **Arch Dermatol Res** 1984;276(3):147-50

Growth hormone and prolactin response to apomorphine in schizophrenia and the major affective disorders. Relation to duration of illness and depressive symptoms. Meltzer HY, et al. **Arch Gen Psychiatry** 1984 May;41(5):512-9

The effect of buspirone on prolactin and growth hormone secretion in man. Meltzer HY, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1099-102

Long-term benzodiazepine administration blunts growth hormone response to diazepam. Shur E, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1105-8

Elevated concentrations of prolactin, human growth hormone and human placental lactogen in cord sera obtained from light-for-date babies near term. Taketani Y, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun; 10(2):235-40

Pituitary and adrenal hormones in patients after myocardial infarction under ergometer load. Schollberg K, et al. **Atherosclerosis** 1983 Nov;49(2):163-70

Hypohydration and acclimation: effects on hormone responses to exercise/heat stress. Francesconi RP, et al. **Aviat Space Environ Med** 1984 May;55(5):365-9

Growth hormone responses to graded doses of apomorphine HCl in schizophrenia. Cleghorn JM, et al. **Biol Psychiatry** 1983 Aug;18(8):875-85

Effects of electroconvulsive treatment on monoamine metabolites, growth hormone, and prolactin in plasma. Linnoila M, et al. **Biol Psychiatry** 1984 Jan;19(1):79-84

Testicular prolactin receptors and serum growth hormone in golden hamsters: effects of photoperiod and time of day. Klemcke HG, et al. **Biol Reprod** 1983 Oct;29(3):605-14

Modification of aspects of the endocrine response to tracheal intubation by lignocaine, halothane and thiopentone. Lehtinen AM, et al. **Br J Anaesth** 1984 Mar;56(3):239-46

Circadian hormone secretory profiles in women with severe premenstrual tension syndrome. Steiner M, et al. **Br J Obstet Gynaecol** 1984 May;91(5):466-71

A neuroendocrine study of stereotactic sub-caudate tractotomy. Corn TH, et al. **Br J Psychiatry** 1984 Apr; 144:417-20

A comparison of the growth hormone responses to clonidine and apomorphine in the same patients with endogenous depression. Corn TH, et al. **Br J Psychiatry** 1984 Jun; 144:636-9

Growth hormone releasing factor: comparison of two analogues and demonstration of hypothalamic defect in growth hormone release after radiotherapy. Grossman A, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1785-7

Particle-counting immunoassay of human somatotropin. Castracane CE, et al. **Clin Chem** 1984 May;30(5):672-6

Bioassay and radioimmunoassay of lactogens in sera from children. Gout PW, et al. **Clin Chim Acta** 1984 May 16; 139(1):23-7

Use of inorganic salts to minimize serum interference in a sandwich enzyme immunoassay for human growth hormone using Fab'-horseradish peroxidase conjugate. Hashida S, et al. **Clin Chim Acta** 1983 Dec 30;135(3):263-73

Potential uses of human pancreatic growth hormone-releasing factor 1-44 amide. Belchetz PE, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):201-8

Circannual rhythms of plasma growth hormone, thyrotropin and thyroid hormones in prepuberty. Bellastella A, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):531-7

Plasma growth hormone suppressive effect of bromocriptine in acromegaly. Evaluation by plasma GH day profiles and plasma GH concentrations during oral glucose tolerance tests. Nortier JW, et al. **Clin Endocrinol (Oxf)** 1984 May; 20(5):565-71

Effects of streptozotocin-diabetes and L-thyroxine treatment on TSH and GH, and circulating glucose and glycerol in thyroidectomized rats. Jolín T, et al. **Comp Biochem Physiol [A]** 1983;76(2):265-9

Effects of daily 30 mcg d-norgestrel on growth hormone and cortisol. Virutamasen P, et al. **Contraception** 1983 Jul; 28(1):61-7

Lack of effect of intravenous metformin on plasma concentrations of glucose, insulin, C-peptide, glucagon and growth hormone in non-diabetic subjects. Bonora E, et al. **Curr Med Res Opin** 1984;9(1):47-51

Counterregulatory hormone release and glucose recovery after hypoglycemia in non-insulin-dependent diabetic patients. Boden G, et al. **Diabetes** 1983 Nov;32(11):1055-9

Pituitary response to growth hormone-releasing factor in diabetes. Failure of glucose-mediated suppression. Press M, et al. **Diabetes** 1984 Aug;33(8):804-6

Effect of Ala-2-D-Trp-8-D-Cys-14-somatostatin on the arginine induced release of insulin, GH and glucagon in normal men. Gonzalez-Barcena D, et al. **Endocr Res** 1984; 10(1):39-48

A sensitive method for detection of circulating forms of human growth hormone by immunoautoradiography. Cohen DA, et al. **Endocr Res Commun** 1982-83; 9(3-4):233-47

Sex difference in the paradoxical response of serum GH to thyrotrophin releasing hormone in cancer patients. Kamijo K, et al. **Endocrinol Jpn** 1983 Dec;30(6):777-82

Plasma GH response to hpGRF-44 in normal children of short stature and patients with GH deficiency. Takano K,

et al. **Endocrinol Jpn** 1984 Feb;31(1):41–8

Discrepancy between immunoactivity and bioactivity of big–big and big human growth hormones in acromegaly. Tanaka T, et al. **Endocrinol Jpn** 1984 Apr;31(2):133–40

Human pancreatic growth hormone–releasing factor stimulates release of growth hormone in conscious unrestrained male rabbits. Chihara K, et al. **Endocrinology** 1983 Dec;113(6):2081–5

Thyrotropin–releasing hormone stimulates body weight gain and increases thyroid hormones and growth hormone in plasma of cockerels. Leung FC, et al. **Endocrinology** 1984 Aug;115(2):736–40

Pituitary growth hormone response in rats during a 24–hour infusion of growth hormone–releasing factor. Wehrenberg WB, et al. **Endocrinology** 1984 May;114(5):1613–6

Circadian rhythm of growth hormone, free and total insulin during the treatment with artificial B–cell (Biostator GCIIS). Sieradzki J, et al. **Endokrynol Pol** 1983;34(2):73–80

Greater serum GH response to arm than to leg exercise performed at equivalent oxygen uptake. Kozłowski S, et al. **Eur J Applied Physiol** 1983;52(1):131–5

Effect of anaerobic and aerobic exercise of equal duration and work expenditure on plasma growth hormone levels. Vanhelder WP, et al. **Eur J Applied Physiol** 1984; 52(3):255–7

Hormone and metabolite profiles in alcoholic liver disease. Stewart A, et al. **Eur J Clin Invest** 1983 Oct;13(5):397–403

Serum concentrations of PRL, GH, LH, FSH, TSH and cortisol after single administration to man of a new synthetic narcotic analgesic butorphanol. Rolandi E, et al. **Eur J Clin Pharmacol** 1984;26(5):563–5

Effect of hypercalcaemia on adrenocortical and growth hormone secretion. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):91–6

Catecholamine involvement in the control of growth hormone secretion in the domestic fowl. Buonomo FC, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):360–71

The effects of somatostatin on serum growth hormone levels in the goldfish, Carassius auratus. Cook AF, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):109–13

Effects of hypothalamic lesions on serum growth hormone levels and growth rates in goldfish, Carassius auratus. Cook AF, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):175–82

Porcine growth hormone and prolactin: concentrations in the fetus and secretory patterns in the growing pig. Klindt J, et al. **Growth** 1984 Spring;48(1):1–15

Effect of the dw gene on growth, plasma hormone concentrations and hepatic enzyme activity in a randombred population of chickens. Stewart PA, et al. **Growth** 1984 Spring;48(1):59–73

Variation in growth hormone, triiodothyronine (T3) and lipogenic enzyme activity in broiler strains differing in growth and fatness. Stewart PA, et al. **Growth** 1983 Winter; 47(4):411–25

Cord serum growth hormone in the human fetus. Sex difference and a negative correlation with birth weight. Furuhashi N, et al. **Gynecol Obstet Invest** 1983;16(2):119–24

Dissociation between corticosterone and growth hormone adaptation to chronic stress in the rat. Armario A, et al. **Horm Metab Res** 1984 Mar;16(3):142–5

Pizotifen, an antiserotonergic drug, induced inhibition of the GH–stimulating activity of metoclopramide in normal women. Chiodera P, et al. **Horm Metab Res** 1984 Aug; 16(8):450–1

The 'so–called' somatomedin B and growth hormone measured by radioimmunoassay in normal and cirrhotic individuals. D'Abronzo FH, et al. **Horm Metab Res** 1984 Aug;16(8):435–8

Similar response to dopaminergic or anti–dopaminergic drugs in acromegaly. Tater D, et al. **Horm Metab Res** 1984 Feb; 16(2):104–5

Dissociated effects of somatostatin analogs on arginine–induced insulin, glucagon and growth hormone release in acromegalic patients. Wajchenberg BL, et al. **Horm Metab Res** 1983 Oct;15(10):471–4

Studies on pituitary function in patients with B–cell adenoma. Zaccaria M, et al. **Horm Metab Res** 1983 Nov;15(11):562–3

Failure of diazepam to affect growth hormone and prolactin in acromegalics. Ajlouni KM. **Horm Res** 1983;18(4):186–90

Effect of i.v. indoprofen on cancer pain and serum prolactin and growth hormone levels—a controlled pharmacologic study vs i. m. morphine and placebo. Pellegrini A, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Sep;21(9):483–6

Prolactin, growth hormone and growth responses in boys with attention deficit disorder and hyperactivity treated with methylphenidate. Greenhill LL, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):58–67

Acute and chronic clonidine treatment in Tourette's syndrome: a preliminary report on clinical response and effect on plasma and urinary catecholamine metabolites, growth hormone, and blood pressure. Leckman JF, et al. **J Am Acad Child Psychiatry** 1983 Sep;22(5):433–40

Temporal patterns of growth hormone, prolactin and thyrotropin secretion in Targhee rams selected for rate and efficiency of gain. Dodson MV, et al. **J Anim Sci** 1983 Aug;57(2):338–42

Serum concentrations of pituitary and adrenal hormones in female pigs exposed to two photoperiods. Kraeling RR, et al. **J Anim Sci** 1983 Nov;57(5):1243–50

Growth hormone response of steers injected with synthetic human pancreatic growth hormone–releasing factors. Moseley WM, et al. **J Anim Sci** 1984 Feb;58(2):430–5

Body growth, growth hormone, prolactin and puberty response to photoperiod and plane of nutrition in Holstein heifers. Petitclerc D, et al. **J Anim Sci** 1983 Oct;57(4):892–8

Endurance training effects on plasma hormonal responsiveness and sex hormone excretion. Bullen BA, et al. **J Appl Physiol** 1984 Jun;56(6):1453–63

Intersubject viability in growth hormone time course during different types of work. Raynaud J, et al. **J Appl Physiol** 1983 Dec;55(6):1682–7

Potency and specificity of a growth hormone–releasing factor in a primate and in vitro. Almeida OF, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):309–12

Use of a two–site immunoradiometric assay for growth hormone (GH) in identifying children with GH–dependent growth failure. Blethen SL, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1031–5

Partial blockade by naloxone of clonidine–induced increase in plasma growth hormone in hypertensive patients. Bramnert M, et al. **J Clin Endocrinol Metab** 1984 Feb; 58(2):374–7

Estrogen stimulates growth hormone and somatomedin–C in castrate and intact female baboons. Copeland KC, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):698–703

Paradoxical responsiveness of growth hormone to corticotropin–releasing factor in acromegaly. Pieters GF, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):560–2

Plasma growth hormone response to growth hormone–releasing factor in acromegalic patients. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):215–7

Age–related changes in plasma growth hormone response to growth hormone–releasing factor in man. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):212–4

Plasma 'big' and 'big–big' growth hormone (GH) in man: an oligomeric series composed of structurally diverse GH monomers. Stolar MW, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):212–8

Circulating growth hormone forms after stimulation of pituitary secretion with growth hormone–releasing factor in man. Stolar MW, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):235–9

Plasma growth hormone (GH) response to GH–releasing factor in normal children with short stature and patients with pituitary dwarfism. Takano K, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):236–41

Comparative study of serum human growth hormone measurement with NB2 lymphoma cell bioassay, IM–9 receptor modulation assay, and radioimmunoassay in children with disorders of growth. Tokuhiro E, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):549–54

Influence of prepartum dietary crude protein on growth hormone, insulin, reproduction, and lactation of dairy cows. Chew BP, et al. **J Dairy Sci** 1984 Feb;67(2):270–5

Continuous elevation of blood growth hormone concentrations by beeswax implant. Davis SL, et al. **J Dairy Sci** 1983 Sep;66(9):1980–2

Effects of hysterectomy and in–vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Bíró J, et al. **J Endocrinol** 1984 Jun;101(3):243–8

Serum levels of growth hormone during the stunted postnatal development of the vasopressin–deficient Brattleboro rat. Boer GJ, et al. **J Endocrinol** 1983 Sep;98(3):351–6

The 8–hour metabolic profile after drinking ethanol. Joffe BI, et al. **J Endocrinol Invest** 1984 Jun;7(3):239–41

Phenytoin–induced increase in growth hormone response to levodopa in adult males. D'Alessandro R, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):715–9

Twenty–four hour plasma levels of growth hormone and prolactin in Huntington's disease. Durso R, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1134–7

Hormone and lipogenic enzyme response of the heterozygous dw chick to dietary protein level. Stewart PA, et al. **J Nutr** 1984 Jan;114(1):132–43

DNA synthesis stimulatory activity is low in serum of protein–undernourished children. Setian N, et al. **J Pediatr** 1984 May;104(5):744–6

Human pancreatic growth hormone–releasing factor (hpGRF): dose–response of GRF– and GH–levels. Losa M, et al. **Klin Wochenschr** 1983 Dec 15;61(24):1249–53

Circadian growth hormone and prolactin blood concentration during a self–limited viral infection and artificial hyperthermia in man. Bunner DL, et al. **Metabolism** 1984 Apr;33(4):337–41

Failure of bromocriptine to alter the qualitative characteristics of human growth hormone in acromegaly. Hizuka N, et al. **Metabolism** 1984 Jun;33(6):582–4

Importance of raised growth hormone levels in mediating the metabolic derangements of diabetes. Press M, et al. **N Engl J Med** 1984 Mar 29;310(13):810–5

Depending on the stimulus, central serotoninergic activation by fenfluramine blocks or does not alter growth hormone secretion in man. Casanueva FF, et al. **Neuroendocrinology** 1984 Apr;38(4):302–8

Effect of maternal ethanol ingestion on control of growth hormone secretion by biogenic amines in rat offspring. Thadani PV. **Neuroendocrinology** 1984 Apr;38(4):317–21

Prolactin and growth hormone response to levodopa in affective illness. Linkowski P, et al. **Neuropsychobiology** 1983;9(2–3):108–12

Somatotropin secretion in hyperprolactinemia. Gorgoshidze BV, et al. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):146–9

Criteria for cure in acromegaly: report of a case apparently cured in which persisting tumor was found at autopsy. Wrightson P, et al. **Neurosurgery** 1984 Jun;14(6):750–5

Effect of caffeine on thyroid and pituitary function in newborn rats. Clozel M, et al. **Pediatr Res** 1983 Jul; 17(7):592–5

Growth hormone plasma levels in children treated for 6 months with ketotifen. Doleček R, et al. **Pharmatherapeutica** 1984;3(9):588–91

Growth hormone, thyroxine, and triiodothyronine levels of Japanese quail selected for four–week body weight. Burke WH, et al. **Poult Sci** 1984 Feb;63(2):207–13

Counteraction by morphine of stress–induced inhibition of growth hormone release in the rat. Briski KP, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):137–42

Effects of dietary thyroid hormones on growth and serum T3, T4, and growth hormone in sex–linked dwarf chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1984 Oct; 177(1):77–81

The relationships of neuroendocrine tests in endogenous depression. Arató M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):715–8

Longitudinal instability of hormone responses in schizophrenia. Cleghorn JM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):545–9

Chronic lithium treatment and twenty–four hour rhythm of serum prolactin, growth hormone and melatonin in rats. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):827–30

Hormone response to 5–HTP [letter] Meltzer HY, et al. **Psychiatry Res** 1983 Oct;10(2):151–2

Hormone response to 5–HTP: a reply [letter] van Praag HM, et al. **Psychiatry Res** 1984 Jan;11(1):79

Comparison of stress response in male and female rats: pituitary cyclic AMP and plasma prolactin, growth hormone and corticosterone. Kant GJ, et al. **Psychoneuroendocrinology** 1983;8(4):421–8

The dependence of the clonidine growth hormone test on alcohol drinking habits and the menstrual cycle. Matussek N, et al. **Psychoneuroendocrinology** 1984;9(2):173–7

Diurnal variation of growth hormone secretion following thyrotropin–releasing hormone infusion in normal men. Caroff S, et al. **Psychosom Med** 1984 Jan–Feb;46(1):59–66

Psychological correlates of growth hormone response to stress. Kosten TR, et al. **Psychosom Med** 1984 Jan–Feb; 46(1):49–58

The effects of open heart surgery on growth hormone, cortisol and insulin levels in man. Hormone levels during open heart surgery. Malatinský J, et al. **Resuscitation** 1984 Feb;11(1–2):57–68

Testosterone treatment and arginine–induced growth hormone stimulation in male delayed puberty: effects on serum calcium, phosphate and vitamin D metabolites. Hyldstrup L, et al. **Scand J Clin Lab Invest** 1984 Jun; 44(4):335–9

Simultaneous measurement of human prolactin and growth hormone levels in maternal and fetal serum and amniotic fluid. Furuhashi N, et al. **Tohoku J Exp Med** 1983 Oct; 141(2):207–10

The mechanism of postinhibitory rebound increases in plasma gh in acromegalic patients. Hanew K, et al. **Tohoku J Exp Med** 1984 Jan;142(1):59–65

Plasma growth hormone responses to sulpiride in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 1984 Apr;142(4):445–52

[A preliminary study on serum growth hormone concentration in diabetics] Zhu XX. **Chung Hua Nei Ko Tsa Chih** 1983 Nov;22(11):691–3 (Eng. Abstr.) **(Chi)**

[Demonstration of the influence of the photoperiod on the plasma concentration of the growth hormone in the ram] Barenton B, et al. **C R Seances Acad Sci [III]** 1983; 297(6):327–30 (Eng. Abstr.) **(Fre)**

[Nocturnal levels of serum aminoacids and growth hormone] Gründig E, et al. **Wien Med Wochenschr** 1984 Mar 31; 134(6):133–6 (Eng. Abstr.) **(Ger)**

[Influence of administration of pyridoxine on circadian rhythm of plasma ACTH, cortisol prolactin and somatotropin in normal subjects] Barletta C, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):273–8 (Eng. Abstr.) **(Ita)**

[Blood levels of insulin, growth hormone, glucose and fatty acids and somato–sexual development during puberty] Zajadacz B. **Pediatr Pol** 1983 Apr;58(4):321–9 (Eng. Abstr.) **(Pol)**

[Studies on carbohydrate metabolism in psoriasis. Insulin and growth hormone levels during tolbutamide test] Struzik T, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):353–9 (Eng. Abstr.) **(Pol)**

[Growth hormone and abnormal carbohydrate metabolism in patients with chronic renal failure] Martins Prata M, et al. **Acta Med Port** 1984 Feb;5(2):43–8 (Eng. Abstr.) **(Por)**

[Means of differential diagnosis between angina pectoris and neurocirculatory dystonia] Vinogradov AV, et al. **Kardiologiia** 1984 May;24(5):73–7 (Eng. Abstr.) **(Rus)**

[Somatotropin content in peptic ulcer] Krylov AA, et al. **Klin Med (Mosk)** 1984 Jan;62(1):71–5 (Eng. Abstr.) **(Rus)**

[Experience with graphic representation of the radiometry data in radioimmunoassay] Sokolov IaA, et al. **Lab Delo** 1983;(7):48–51 (Eng. Abstr.) **(Rus)**

[Effect of age and body weight on the insulin, glucagon and somatotropin content of the human blood] Gatsko GG, et al. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):6–10 (Eng. Abstr.) **(Rus)**

[Somatotropin and prolactin levels in patients with insulin–dependent diabetes mellitus] Golikova AA. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):8–11 (Eng. Abstr.) **(Rus)**

[Various indicators of the hormonal profile and the physical development of adolescents with tuberculosis] Ovsiankina ES. **Probl Tuberk** 1984 Apr;(4):36–41 (Eng. Abstr.) **(Rus)**

[Changes in the basal concentrations of growth hormone and prolactin in patients with duodenal ulcer during a step–by–step rehabilitation treatment] Chorbinskaia SA. **Ter Arkh** 1983;55(9):112–5 (Eng. Abstr.) **(Rus)**

[Concentration of pituitary–thyroid system hormones in the blood of patients with chronic circulatory insufficiency] Aleksandrova TN, et al. **Vestn Akad Med Nauk SSSR** 1984;(2):62–5 **(Rus)**

[Effect of various physical factors on the immunoreactive insulin and somatotropic hormone levels in the blood of diabetes mellitus patients] Rakhmanova RT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):33–6 (Eng. Abstr.) **(Rus)**

[Selected factors of natural immunity in hyperthermia during which the hypothalamo–hypophyseal axis was not activated] Rovenský J, et al. **Cas Lek Cesk** 1983 Dec 9; 122(49):1510–2 (Eng. Abstr.) **(Slo)**

[Endocrinologic evaluation of 61 patients with acromegaly treated with transsphenoidal removal alone, or associated with telecobalt irradiation or bromocriptine or both] Barceló B, et al. **Med Clin (Barc)** 1983 May 14; 80(17):735–41 (Eng. Abstr.) **(Spa)**

[Comparison of insulin and growth hormone levels in oral and intravenous glucose overload in normal and obese women] Claro López A, et al. **Rev Clin Esp** 1984 Apr 30; 173(2):91–3 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

[Evaluation of the cerebrospinal fluid hGH level in suprasellar extension of pituitary hGH–secreting tumor] Shi YF. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):607–10 (Eng. Abstr.) **(Chi)**

DEFICIENCY

The dosage dependency of growth and maturity in growth hormone deficiency treated with human growth hormone. Vicens–Calvet E, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):120–6

Reversible growth hormone deficiency and delayed puberty triggered by a stressful experience in a young adult. Magner JA, et al. **Am J Med** 1984 Apr;76(4):737–42

Growth hormone deficiency presenting under age 2 years. Herber SM, et al. **Arch Dis Child** 1984 Jun;59(6):557–60

Differential diagnosis between hypothalamic and pituitary hGH deficiency with the aid of synthetic GH–RH 1–44. Laron Z, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):9–12

Immunological studies in patients with isolated growth hormone deficiency. Gupta S, et al. **Clin Exp Immunol** 1983 Oct;54(1):87–90

Etiology of growth hormone deficiency in little, Ames, and Snell dwarf mice. Cheng TC, et al. **Endocrinology** 1983 Nov;113(5):1669–78

Cartilage sulfation inhibitors (CSI) in serum and liver of growth hormone–deficient starved rats. Vassilopoulou–Sellin R, et al. **Horm Metab Res** 1984 Mar; 16(3):156

Stimulation of growth hormone (GH) and somatomedin C in idiopathic GH–deficient subjects by intermittent pulsatile administration of synthetic human pancreatic tumor GH–releasing factor. Borges JL, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):1–6

The role of human growth hormone in the regulation of cholesterol and bile acid metabolism. Heubi JE, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):885–91

Evidence for dopaminergic stimulation of growth velocity in some hypopituitary children. Huseman CA, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):419–25

Phenotypic heterogeneity in familial isolated growth hormone deficiency type I–A. Rivarola MA, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):34–40

Effect of growth hormone (GH)–releasing hormone (GRH) on plasma GH in relation to magnitude and duration of GH deficiency in 26 children and adults with isolated GH deficiency or multiple pituitary hormone deficiencies: evidence for hypothalamic GRH deficiency. Schriock EA, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1043–9

Detection of growth hormone deficiency by the glucagon stimulation test. Tuchinda C, et al. **J Med Assoc Thai** 1983 Jul;66(7):392–6

Isolated growth hormone deficiency type 1A in a Japanese family. Nishi Y, et al. **J Pediatr** 1984 Jun;104(6):885–9

Compensatory renal growth in the mouse. III. Growth hormone and insulin deficiency. Hutson JM, et al. **J Pediatr Surg** 1984 Feb;19(1):24–8

Growth hormone releasing factor may lower somatotropin demand [news] Ziporyn T. **JAMA** 1984 Sep 14; 252(10):1257–9

Prolactin–lowering effect of growth–hormone–releasing factor in children with growth–hormone deficiency [letter] Pintor C, et al. **Lancet** 1983 Nov 5;2(8358):1088–9

Effect of thyroxine and growth hormone on the hypercholesterolemia of growth hormone deficiency. Winter RJ, et al. **Metabolism** 1984 Jan;33(1):54–7

Insulin–like growth factors I and II, prolactin, and insulin in 19 growth hormone–deficient children with excessive, normal, or decreased longitudinal growth after operation for craniopharyngioma. Bucher H, et al. **N Engl J Med** 1983 Nov 10;309(19):1142–6

Resolution of stiff–man syndrome with cortisol replacement in a patient with deficiencies of ACTH, growth hormone, and prolactin. George TM, et al. **N Engl J Med** 1984 Jun 7;310(23):1511–3

Development of diabetic complications despite the absence of growth hormone in a patient with post–pancreatectomy diabetes. Rabin D, et al. **N Engl J Med** 1984 Mar 29; 310(13):837–9

Deficiencies of growth hormone and somatomedins in man. Laron Z. **Spec Top Endocrinol Metab** 1983;5:149–99 (157 ref.)

[The L–DOPA–propranolol test for the evaluation of reserves in secretory growth hormone] Frisch H, et al. **Wien Klin Wochenschr** 1983 Aug 26;95(16):566–8 (Eng. Abstr.) **(Ger)**

[Optic nerve hypoplasia and growth hormone deficiency: de Morsier's syndrome] Mutz I, et al. **Wien Klin Wochenschr** 1984 May 25;96(11):432–5 (Eng. Abstr.) **(Ger)**

[Somatomedin activity in patients with short stature due to hypopituitarism or constitutional–familial growth retardation] Jasper HG, et al. **Medicina (B Aires)** 1983; 43(3):308–14 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Exaggerated somatomedin–C response to human growth hormone infusion in patients with type II diabetes mellitus. Grecu EO, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):7–10

Lack of von Willebrand factor, factor VIII related antigen and factor VIII coagulant response to human growth hormone infusion in type 2 diabetes mellitus. Grecu EO, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):3–6

GENETICS

Variants of growth hormone and prolactin and their posttranslational modifications. Lewis UJ. **Annu Rev Physiol** 1984;46:33–42 (48 ref.)

In vitro deletional mutagenesis for bacterial production of the 20,000–dalton form of human pituitary growth hormone. Adelman JP, et al. **DNA** 1983;2(3):183–93

The prolactin gene, but not the growth hormone gene, is located on chromosome 9 in the rat. Gerhard DS, et al. **DNA** 1984;3(2):139–45

Expression and hormonal regulation of the rat growth hormone gene in transfected mouse L cells. Karin M, et al. **DNA** 1984;3(2):147–55

Rat growth hormone expression in cell hybrids. Strobl JS, et al. **DNA** 1984;3(1):41–9

Increase in nuclear thyroid and glucocorticoid receptors and growth hormone production during the deoxyribonucleic acid synthesis phase of the cell growth cycle. Surks MI, et al. **Endocrinology** 1984 Mar;114(3):873–9

Abundant excretion of human growth hormone by recombinant–plasmid–transformed monkey kidney cells. Lupker JH, et al. **Gene** 1983 Oct;24(2–3):281–7

The effects of 5–azacytidine on the expression of the rat growth hormone gene. Methylation modulates but does not control growth hormone gene activity. Lan NC. **J Biol Chem** 1984 Sep 25;259(18):11601–6

Hormonal regulation of the growth hormone gene. Relationship of the rate of transcription to the level of nuclear thyroid hormone–receptor complexes. Yaffe BM, et al. **J Biol Chem** 1984 May 25;259(10):6284–91

The level of expression of the rat growth hormone gene in liver tumor cells is at least eight orders of magnitude less than that in anterior pituitary cells. Ivarie RD, et al. **Mol Cell Biol** 1983 Aug;3(8):1460–7

Nucleotide sequence of the bovine growth hormone chromosomal gene. Gordon DF, et al. **Mol Cell Endocrinol** 1983 Nov;33(1):81–95 (38 ref.)

Transcriptional regulation of growth hormone gene expression by growth hormone–releasing factor. Barinaga M, et al. **Nature** 1983 Nov 3–9;306(5938):84–5

Partial correction of murine hereditary growth disorder by germ–line incorporation of a new gene. Hammer RE, et al. **Nature** 1984 Sep 6–11;311(5981):65–7

The synthesis of human growth hormone gene. Ohtsuka E, et al. **Nucleic Acids Symp Ser** 1983;(12):79–82

Growth hormone–releasing factor regulates growth hormone mRNA in primary cultures of rat pituitary cells. Gick GG, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1553–5

Role of mRNA translational efficiency in bovine growth hormone expression in Escherichia coli. Schoner BE, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5403–7

Polypeptide hormone regulation of gene transcription: specific 5' genomic sequences are required for epidermal growth factor and phorbol ester regulation of prolactin gene expression. Supowit SC, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):2975–9

Requirement for the 3' flanking region of the bovine growth hormone gene for accurate polyadenylylation. Woychik RP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3944–8

Expression of cloned growth hormone and metallothionein genes in heterologous cells. Pavlakis GN, et al. **Recent Prog Horm Res** 1983;39:353–85 (54 ref.)

Calcitonin, prolactin, and growth hormone gene expression as model systems for the characterization of neuroendocrine regulation. Rosenfeld MG, et al. **Recent Prog Horm Res** 1983;39:305–51 (130 ref.)

Infectious and selectable retrovirus containing an inducible rat growth hormone minigene. Miller AD, et al. **Science** 1984 Sep 7;225(4666):993–8

Metallothionein–human GH fusion genes stimulate growth of mice. Palmiter RD, et al. **Science** 1983 Nov 18; 222(4625):809–14 (30 ref.)

IMMUNOLOGY

Epitopes in human growth hormone and chorionic somatomammotropin studied with monoclonal antibodies. Vita N, et al. **Arch Biochem Biophys** 1983 Sep;225(2):436–45

Antigenic, receptor–binding and mitogenic activity of proteolytic fragments of human growth hormone. Aston R, et al. **EMBO J** 1983;2(4):493–7

Comparative study of pituitary and bacteria–derived human growth hormone by monoclonal antibodies. Jónsdóttir I, et al. **Mol Immunol** 1983 Aug;20(8):871–6

Identification and synthesis of an antigenic determinant common to human chorionic somatomammotropin and human growth hormone. Neri P, et al. **Mol Immunol** 1984 Feb;21(2):151–7

Antigenic sites of human growth hormone and related molecules detected by monoclonal antibodies to human growth hormone. Surowy TK, et al. **Mol Immunol** 1984 May;21(5):345–52

ISOLATION & PURIFICATION

Analysis of Raben's technique for human growth hormone. Salas–Valdés A, et al. **Arch Invest Med (Mex)** 1983; 14(3):207–19 **(Eng, Spa)**

Purification of liver feminizing factor from rat pituitaries and demonstration of its identity with growth hormone. Mode A, et al. **Endocrinology** 1983 Oct;113(4):1250–60

High–performance liquid chromatography of amino acids, peptides and proteins. XLVIII. Retention behaviour of tryptic peptides of human growth hormone isolated by reversed–phase high–performance liquid chromatography: a comparative study using different chromatographic conditions and predicted elution behaviour based on retention coefficients. Grego B, et al. **J Chromatogr** 1983 Aug 26;266:89–103

METABOLISM

Effects of L–thyroxine treatment on pituitary GH content of adult rats with neonatal thyrotoxicosis. Pascual–Leone AM, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):340–4

Normal somatomedin–C/insulin–like growth factor I binding and action in cultured human fibroblasts from Turner syndrome. Rosenfeld RG, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):502–9

Purification of the 22000– and 20000–mol.wt. forms of human somatotropin and characterization of their binding to liver and mammary binding sites. Closset J, et al. **Biochem J** 1983 Sep 15;214(3):885–92

Identification of a rabbit liver cytosolic binding protein for human growth hormone. Ymer SI, et al. **Biochem J** 1984 Aug 1;221(3):617–22

Conversion of a secretory protein into a transmembrane protein results in its transport to the Golgi complex but not to the cell surface. Guan JL, et al. **Cell** 1984 Jul; 37(3):779–87

Milk insulin, GH and TSH: relationship to changes in milk lactose, glucose and protein during lactogenesis in women. Kulski JK, et al. **Endocrinol Exp (Bratisl)** 1983 Oct; 17(3–4):317–26

On the in vitro and in vivo activity of a new synthetic hexapeptide that acts on the pituitary to specifically release growth hormone. Bowers CY, et al. **Endocrinology** 1984 May;114(5):1537–45

Somatostatin inhibits basal and vasoactive intestinal peptide–stimulated hormone release by different mechanisms in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1551–8

Covalent binding of growth hormone to surface receptors on rat adipocytes. Gorin E, et al. **Endocrinology** 1984 Apr; 114(4):1279–86

Binding and degradation of [125I]human growth hormone in rat adipocytes. Gorin E, et al. **Endocrinology** 1984 Aug; 115(2):467–75

20K is bound with high affinity by one rat and one of two rabbit growth hormone receptors. Hughes JP, et al. **Endocrinology** 1983 Nov;113(5):1904–6

In vivo and in vitro stimulation of growth hormone release in chickens by synthetic human pancreatic growth hormone releasing factor (hpGRFs). Leung FC, et al. **Endocrinology** 1983 Nov;113(5):1913–5

Relationship between plasma somatomedin–C and liver somatogenic binding sites in neonatal rats during malnutrition and after short and long term refeeding. Maes M, et al. **Endocrinology** 1984 Aug;115(2):786–92

Evidence that opiatergic and alpha–adrenergic mechanisms

stimulate rat growth hormone release via growth hormone-releasing factor (GRF). Miki N, et al. **Endocrinology** 1984 May;114(5):1950-2

Hypophysectomy and growth hormone receptors in liver membranes of male rats. Picard F, et al. **Endocrinology** 1984 Apr;114(4):1328-33

Processing of human growth hormone by rat hepatocytes in monolayer culture. Wakai K, et al. **Endocrinology** 1984 May;114(5):1475-82

Involvement of lysine residues in the binding of ovine chorionic somatomammotropin to lactogenic and somatotropic receptors. Chêne N, et al. **FEBS Lett** 1984 Jan 30;166(2):352-6

In vitro effects of thyrotropin-releasing hormone and somatostatin on prolactin and growth hormone release by the pituitary of Poecilia latipinna. I. An electrophoretic study. Wigham T, et al. **Gen Comp Endocrinol** 1984 Sep; 55(3):444-9

Mouse liver specific uptake of iodinated growth hormones: evidence for the presence of somatogenic and lactogenic sites. Ciccia-Torres GN, et al. **Horm Metab Res** 1983 Sep; 15(9):443-8

Comparison of hGH binding to isolated rat liver macrophages and hepatocytes. Kover K, et al. **Horm Metab Res** 1984 Apr;16(4):193-7

Modification of arginines in bovine growth hormone. Wolfenstein-Todel C, et al. **Int J Pept Protein Res** 1983 Nov;22(5):611-6

Defect of human growth hormone receptors in the liver of two patients with Laron-type dwarfism. Eshet R, et al. **Isr J Med Sci** 1984 Jan;20(1):8-11

Pars distalis cell quantification in normal adult male and female rats. Dada MO, et al. **J Endocrinol** 1984 Apr; 101(1):87-94

Growth-hormone releasing factor and clonidine in children with constitutional growth delay. Evidence for defective pituitary growth hormone reserve. Pintor C, et al. **J Endocrinol Invest** 1984 Jun;7(3):253-6

Endocrinological responses in cluster headache. Boiardi A, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):956-8

Binding sites of human growth hormone and ovine and bovine prolactins in the mammary gland and the liver of lactating dairy cow. Gertler A, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):51-7

Binding of bovine growth hormone to bovine liver membranes. Hung CH, et al. **Mol Cell Endocrinol** 1984 May;35(2-3):151-7

Endocrine adaptation to malnutrition [letter] Robinson HM. **Pediatr Res** 1984 Mar;18(3):300

Growth hormone and prolactin response to thyrotropin releasing hormone and growth hormone releasing factor in the immature turkey. Proudman JA. **Proc Soc Exp Biol Med** 1984 Jan;175(1):79-83

[Prenatal endocrinology. II. Growth hormone in the amniotic fluid and blood serum of women in the 17th week of pregnancy] Wiśniewski L, et al. **Ginekol Pol** 1983 Nov-Dec;54(11-12):693-5 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Expression of the insulin gene: regulation by glucose, hydrocortisone and growth hormone in mouse pancreatic islets in organ culture. Brunstedt J. **Acta Biol Med Ger** 1982;41(12):1151-5

Comparison of growth and somatomedin C responses following growth hormone treatment in children with small-for-date short stature, significant idiopathic short stature and hypopituitarism. Grunt JA, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):168-74

Growth hormone increases neonatal mouse urine epidermal growth factor. Perheentupa J, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):184-7

Diabetogenic activity of native and biosynthetic human growth hormone in obese (ob/ob) mouse. Kostyo JL, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E356-60

Rapid changes in hepatic glucose output after a pulse of growth hormone in dogs. Vaitkus P, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E14-20

Down-regulation of prolactin receptors in the liver, mammary gland and kidney of female virgin rat, infused with ovine prolactin or human growth hormone. Barash I, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):644-50

Reevaluation of lipolytic activity of growth hormone in rabbit adipocytes. Barenton B, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):197-203

Growth hormone acts at a pretranslational level in hepatocyte cultures. Seelig S, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):882-7

Influences of both thyroid and bovine growth hormones on substance P, thyrotropin-releasing hormone, serotonin and 5-hydroxyindoleacetic acid contents in the lumbar spinal cord of developing rats. Savard P, et al. **Brain Res** 1984 Mar;315(1):105-10

Effects of hypophysectomy and hormone replacement on the local and metastatic growth of Morris hepatoma 44. Erdstein J, et al. **Cancer Res** 1984 Jul;44(7):2936-41

Alteration of cell shape, adhesion, and lipid accumulation in human breast cancer cells (T-47D) by human prolactin and growth hormone. Shiu RP, et al. **Cancer Res** 1984 Mar; 44(3):1178-86

Effect of androgens on plasma somatomedin-C/insulin-like growth factor I responses to growth hormone. Craft WH, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):549-54

The effect of growth hormone on splanchnic glucose and substrate metabolism following oral glucose loading in healthy man. Bratusch-Marrain PR, et al. **Diabetes** 1984 Jan;33(1):19-25

Rat growth hormone (GH) but not prolactin (PRL) induces both GH and PRL receptors in female rat liver. Baxter RC, et al. **Endocrinology** 1984 May;114(5):1893-901

Substantial induction of a new serum protein by growth hormone: physiochemical and physiological characterization. Berry SA, et al. **Endocrinology** 1984 Sep; 115(3):1164-70

The antilipolytic, insulin-like effect of growth hormone is caused by a net decrease of hormone-sensitive lipase phosphorylation. Björgell P, et al. **Endocrinology** 1984 Sep; 115(3):1151-6

Human growth hormone increases intestinal vitamin D-dependent calcium-binding protein in hypophysectomized rats. Bruns ME, et al. **Endocrinology** 1983 Oct;113(4):1387-92

Growth hormone and lipolysis: a reevaluation. Goodman HM, et al. **Endocrinology** 1983 Nov;113(5):1697-702

Biological activity of bacterial derived human growth hormone in adipose tissue of hypophysectomized rats. Goodman HM. **Endocrinology** 1984 Jan;114(1):131-5

Characterization and endocrine regulation of the cytochrome P-450 dependent microsomal hydroxylation of 5 alpha-androstane-3 beta,17 beta-diol in the rat ventral prostate. Haaparanta T, et al. **Endocrinology** 1984 Jun; 114(6):2293-300

Contribution of growth hormone to the adipogenic activity of serum. Nixon T, et al. **Endocrinology** 1984 Feb; 114(2):527-32

Growth hormone induction of lactogenic receptors at intracellular sites in male rat liver. Norstedt G, et al. **Endocrinology** 1984 Aug;115(2):672-80

Regulation of a thyroid hormone-dependent protein by growth hormone: the induction of hepatic alpha 2U globulin and its messenger ribonucleic acid in adult male hypothyroid rats. Shapiro LE. **Endocrinology** 1983 Oct; 113(4):1280-6

Rat growth hormone and hypothalamic catecholamine nerve terminal systems. Evidence for rapid and discrete reductions in dopamine and noradrenaline levels and turnover in the median eminence of the hypophysectomized male rat. Andersson K, et al. **Eur J Pharmacol** 1983 Nov 25;95(3-4):271-5

Performance and carcass quality of swine injected daily with bacterially-synthesized human growth hormone. Baile CA, et al. **Growth** 1983 Autumn;47(3):225-36

Effects of exogenous thyroxine and growth hormone on satellite cell and myonuclei populations in rapidly growing rat skeletal muscle. Beermann DH, et al. **Growth** 1983 Winter;47(4):426-36

Short children, anxious parents: is growth hormone the answer? Benjamin M, et al. **Hastings Cent Rep** 1984 Apr; 14(2):5-9

Insulin secretion in organ culture of chick endocrine pancreas: effect of somatostatin, growth hormone and dexamethasone. Foltzer C, et al. **Horm Metab Res** 1983 Oct;15(10):513-4

Effects of exogenous growth hormone on mammary function in lactating goats. Mepham TB, et al. **Horm Metab Res** 1984 May;16(5):248-53

Effects of human growth hormone on erythrocyte insulin binding in growth hormone deficient children. Nagashima K, et al. **Horm Metab Res** 1984 Aug;16(8):402-5

Effect of growth hormone and corticotropin on steroidogenesis in cultured rat adrenocortical cells. Coyne MD. **Horm Res** 1984;19(3):185-90

Hormonal regulation of plasma thyroxine level in a murrel Channa punctatus (Bloch). Jamaluddin M, et al. **Indian J Exp Biol** 1983 Jul;21(7):386-9

Effects of ovine growth hormone and other anterior pituitary hormones on lipolysis of rat and ovine adipose tissue in vitro. Duquette PF, et al. **J Anim Sci** 1984 May; 58(5):1191-7

Effects of hypophysectomy and growth hormone treatment on renal hydroxylation of 25-hydroxycholecalciferol in rats. Wongsurawat N, et al. **J Endocrinol** 1984 Jun; 101(3):333-8

Somatomedins (insulin-like growth factors), but not growth hormone, are mitogenic for chicken heart mesenchymal cells and act synergistically with epidermal growth factor and brain fibroblast growth factor. Balk SD, et al. **Life Sci** 1984 Jul 23;35(4):335-46

Direct effect of human growth hormone to inhibit glucose uptake in cultured human fibroblasts. Takeda S, et al. **Metabolism** 1984 Jul;33(7):658-61

Differential, multihormonal regulation of the mouse major urinary protein gene family in the liver. Knopf JL, et al. **Mol Cell Biol** 1983 Dec;3(12):2232-40

Activity of human growth hormone and related polypeptides on the adipose conversion of 3T3 cells. Morikawa M, et al. **Mol Cell Biol** 1984 Feb;4(2):228-31

Human growth hormone but not ovine or bovine growth hormones exhibits galactopoietic prolactin-like activity in organ culture from bovine lactating mammary gland. Gertler A, et al. **Mol Cell Endocrinol** 1983 Dec; 33(2-3):169-82

Effect of growth hormone on prolactin receptors and on estrogen receptors in the liver of prepubertal rats. Norstedt G. **Mol Cell Endocrinol** 1984 Jul;36(3):195-200

Clastogenic effects of biosynthetic human growth hormone in Snell dwarf mice and CHO cells in vitro. van Buul PP, et al. **Mutat Res** 1984 Jun;127(1):61-4

Behavioral testing of progenies of Tx (hypothyroid) and growth hormone-treated Tx rats: an animal model for mental retardation. Hendrich CE, et al. **Neuroendocrinology** 1984 Jun;38(6):429-37

Regulatory relationships of thyroid hormone, growth hormone and high carbohydrate diet. **Nutr Rev** 1983 Jun; 41(6):194-6 (20 ref.)

Growth hormone and isolation-induced aggression in wild male mice. Matte AC. **Pharmacol Biochem Behav** 1981;14 Suppl 1:85-7

Influences of growth hormone on glucose uptake by avian adipose tissue. Rudas P, et al. **Poult Sci** 1983 Sep; 62(9):1838-45

Growth hormone promotes the differentiation of myoblasts and preadipocytes generated by azacytidine treatment of 10T1/2 cells. Nixon BT, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3429-32

Effects of growth hormone on the in vitro maturation of fetal islets. Dudek RW, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):69-76

Enhanced growth and immune development in dwarf chickens treated with mammalian growth hormone and thyroxine. Marsh JA, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):351-60

Bone formation in demineralized bone transplants treated with biosynthetic human growth hormone. Wittbjer J, et al. **Scand J Plast Reconstr Surg** 1983;17(2):109-17

[New data on the biological activity of pituitary somatotropin fragment 77-107] Bulatov AA, et al. **Biokhimiia** 1983 Aug; 48(8):1305-10 (Eng. Abstr.) **(Rus)**

[Isolation and quantitative analysis of ATP, synthesized by preparations of enriched plasma membrane portions from various tissues in the presence of insulin and somatotropin] Karelin AA, et al. **Vopr Med Khim** 1983 Nov-Dec; 29(6):99-105 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Somatomedins and proteolytic bioactivation of prolactin and growth hormone. Mittra I. **Cell** 1984 Sep;38(2):347-8

Growth hormone neuroregulation and the clinical relevance of somatostatin. Wass JA. **Clin Endocrinol Metab** 1983 Nov; 12(3):695-724 (187 ref.)

Molecular biology of growth hormone. Paladini AC, et al. **CRC Crit Rev Biochem** 1983;15(1):25-56 (180 ref.)

Physiological and pathological variants of human growth hormone. Chawla RK, et al. **Dev Med Child Neurol** 1983 Aug;25(4):534-9

Effect of physiological elevation of plasma growth hormone levels on ketone body kinetics and lipolysis in normal and acutely insulin-deficient man. Keller U, et al. **Diabetologia** 1984 Feb;26(2):103-8

Effects of growth hormone and thyroxine on the relation between tibial length and the histological appearance of the proximal tibial epiphysis in Snell dwarf mice. van Buul-Offers S, et al. **Growth** 1984 Summer;48(2):166-75

Growth hormone dependency of the effect of human serum on thymidine uptake by lectin-activated human lymphocytes. Salvatoni A, et al. **Horm Res** 1984;19(1):5-11

Normal variant short stature. Menon PS, et al. **Indian J Pediatr** 1983 Sep-Oct;50(406):533-5

Functional maturation of the neuroendocrine system in the perinatal period: studies of the somatotropic axis in the ovine fetus. Gluckman PD. **J Dev Physiol** 1984 Jun; 6(3):301-12

Role of growth hormone in diabetes mellitus [editorial] Gerich JE. N **Engl J Med** 1984 Mar 29;310(13):848-50

Growth hormone: a regulator of the sexually differentiated steroid metabolism in rat liver. Gustafsson JA, et al. **Prog Clin Biol Res** 1983;135:37-59

Endogenous growth hormone and the regulation of hepatic drug oxidation in the male rat. Virgo BB. **Prog Clin Biol Res** 1983;135:379-82

[Growth hormone and delayed diabetic complications] Schatz H. **Dtsch Med Wochenschr** 1984 Aug 3; 109(31-32):1181-2 **(Ger)**

[Neurobiologic aspects of depression] Matussek N. **Ther Umsch** 1983 Sep;40(9):756-62 (55 ref.) (Eng. Abstr.) **(Ger)**

[Pituitary hormones in lipid metabolism] Demura H, et al. **Nippon Rinsho** 1983 Aug;41(8):1752-6 **(Jpn)**

[Possible role of somatotropic hormone in regulating the functional state of glial cells in the central nervous system] Dzhaliashvili TA, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):34-7 (Eng. Abstr.) **(Rus)**

[Hormonal regulation of the processes of growth and sexual maturation in girls with accelerated physical development] Mozheĭko LN, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):31-5 (Eng. Abstr.) **(Rus)**

[Effect of somatotropin on the activity of mitochondrial alpha-glycerophosphate dehydrogenase in the liver of rats with hypo- and hyperthyroidism] Martynenko FP, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):449-52 (Eng. Abstr.) **(Rus)**

SECRETION

Body size parallels insulin-like growth factor I levels but not growth hormone secretory capacity. Eigenmann JE,

et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):448–53

Serotonin and acetylcholine affect the release of prolactin and growth hormone from pituitary glands of domestic fowl in vitro in the presence of hypothalamic tissue. Hall TR, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):455–62

Mechanism of serotonin effects on prolactin and growth hormone secretion in domestic fowl. Hall TR, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):266–71

Effects of ovine corticotrophin-releasing factor and hydrocortisone on growth hormone secretion by pituitary adenoma cells of acromegaly in culture. Ishibashi M, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):443–7

Changes in pituitary secretion induced by an agonist–antagonist opioid drug, buprenorphine. Rolandi E, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):257–60

Inhibition of foetal growth hormone (GH) and thyrotrophin (TSH) secretion after maternal administration of somatostatin. Roti E, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):393–9

Growth hormone, prolactin and insulin following arginine infusion in primary hyperparathyroidism before and after parathyroidectomy. Schernthaner G, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):206–9

Thyrotrophin and growth hormone secretion and cell morphology in hypothyroid pituitary cells cultured on a natural extracellular matrix. Spira O, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):279–86

Morphological investigations of mixed pituitary adenomas. Slowik F, et al. **Acta Morphol Hung** 1983;31(4):353–64

Human growth hormone and dopaminergic drugs, with special reference to deprenyl (selegiline): a summary of studies on volunteers. Koulu M, et al. **Acta Neurol Scand [Suppl]** 1983;95:91–4

Morphological changes in bromocriptine-treated pituitary tumours. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct;96(3–4):337–53

Release of growth hormone in response to feeding in dogs. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1984 May; 121(1):89–91

Clonidine-induced growth hormone secretion in chronic schizophrenia. Lal S, et al. **Acta Psychiatr Scand** 1983 Aug; 68(2):82–8

Depression, alpha 2-receptors and sex hormones: neuroendocrine studies in rat. Eriksson E, et al. **Adv Biochem Psychopharmacol** 1984;39:161–78 (97 ref.)

Drugs as tools for exploring neuroendocrine functions. Matussek N. **Adv Biochem Psychopharmacol** 1984;39:189–95 (33 ref.)

Comparison of physiologic and pharmacologic assessment of growth hormone secretion. Siegel SF, et al. **Am J Dis Child** 1984 Jun;138(6):540–3

Betaxolol and propranolol in glucagon stimulation of growth hormone. Colle M, et al. **Arch Dis Child** 1984 Jul; 59(7):670–2

Growth hormone secretion in prepubertal children with major depression. III. Response to insulin-induced hypoglycemia after recovery from a depressive episode and in a drug-free state. Puig-Antich J, et al. **Arch Gen Psychiatry** 1984 May;41(5):471–5

Growth hormone secretion in prepubertal children with major depression. IV. Sleep-related plasma concentrations in a drug-free, fully recovered clinical state. Puig-Antich J, et al. **Arch Gen Psychiatry** 1984 May;41(5):479–83

Growth hormone secretion in prepubertal children with major depression. II. Sleep-related plasma concentrations during a depressive episode. Puig-Antich J, et al. **Arch Gen Psychiatry** 1984 May;41(5):463–6

Growth hormone secretion in prepubertal children with major depression. I. Final report on response to insulin-induced hypoglycemia during a depressive episode. Puig-Antich J, et al. **Arch Gen Psychiatry** 1984 May; 41(5):455–60

Effects of arginine aspartate and its components on growth hormone, insulin and glucagon secretion in the rat. Franchimont P, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):161–8

Stress suppression of growth hormone secretion in the rat: effects of disruption of inhibitory noradrenergic afferents to the median eminence. Day TA, et al. **Aust J Biol Sci** 1983;36(5–6):525–30

The effects of long term growth hormone releasing factor (GRF 1–40) administration on growth hormone secretion and synthesis in vitro. Dieguez C, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):111–7

Isolation and characteristics of bovine pituitary secretory granules. Moriarty CM, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):209–16

On the relation between platelet monoamine oxidase activity and the growth hormone response in psychosis. Hitzemann R, et al. **Biol Psychiatry** 1983 Dec;18(12):1503–7

Modification by hypothalamic lesions of the release of growth hormone (GH) following stimulation of the ventromedial hypothalamic nucleus in the rat. Kato M, et al. **Brain Res** 1983 Nov 28;280(1):69–74

Motilin: a novel growth hormone releasing agent. Samson WK, et al. **Brain Res Bull** 1984 Jan;12(1):57–62

Secretory bursts of growth hormone secretion in the dog may be initiated by somatostatin withdrawal. Cowan JS, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):199–207

Secretory rhythm of growth hormone regulates sexual differentiation of mouse liver. Norstedt G, et al. **Cell** 1984 Apr;36(4):805–12

Growth hormone secretion and plasma somatomedin-C in primary hypothyroidism. Chernausek SD, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):337–44

How effective is external pituitary irradiation for growth hormone-secreting pituitary tumors? Feek CM, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):401–8

Immunocytochemical growth hormone and prolactin in pituitary adenomas causing acromegaly and their relationship to basal serum hormone levels and the growth response to thyrotrophin releasing hormone. Nieuwenhuijzen Kruseman AC, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):1–8

The effect of plasma glucose on the growth hormone response to human pancreatic growth hormone releasing factor in normal subjects. Sharp PS, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):497–501

Serotoninergic drugs affect prolactin and growth hormone secretion in the domestic fowl. Hall TR, et al. **Comp Biochem Physiol [C]** 1983;76(1):151–5

Sleep and growth hormone secretion in women athletes. Walsh BT, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun;57(6):528–31

Unresponsiveness of GH and cortisol to insulin–hypoglycemia in a patient with sub-total pancreatectomy. Chiba T, et al. **Endocrinol Jpn** 1983 Aug; 30(4):571–5

Localization of alpha 2-adrenergic agonist sensitive area in the hypothalamus for growth hormone release in the rat. Ishikawa K, et al. **Endocrinol Jpn** 1983 Jun;30(3):397–403

Growth hormone response to human pancreatic growth hormone releasing factor in cattle. Johke T, et al. **Endocrinol Jpn** 1984 Feb;31(1):55–61

Human growth hormone and somatomedin C suppress the spontaneous release of growth hormone in unanesthetized rats. Abe H, et al. **Endocrinology** 1983 Oct;113(4):1319–24

Human pancreatic growth hormone-releasing factor-40 (hpGRF-40) allows stimulation of GH release by TRH. Borges JL, et al. **Endocrinology** 1983 Oct;113(4):1519–21

Inhibitory action of the alpha 1-adrenergic receptor on growth hormone secretion in the dog. Cella SG, et al. **Endocrinology** 1984 Jun;114(6):2406–8

Noradrenergic modulation of human pancreatic growth hormone-releasing factor (hpGHRF1–44)-induced growth hormone release in conscious male rabbits: involvement of endogenous somatostatin. Chihara K, et al. **Endocrinology** 1984 Apr;114(4):1402–6

Human pancreatic tumor growth hormone (GH) – releasing factor and cyclic adenosine 3',5'– monophosphate evoke GH release from anterior pituitary cells: the effects of pertussis toxin, cholera toxin, forskolin, and cycloheximide. Cronin MJ, et al. **Endocrinology** 1984 Mar;114(3):904–13

Effects of neonatal administration of monosodium glutamate on somatotrophs and growth hormone secretion in prepubertal male and female rats. Dada MO, et al. **Endocrinology** 1984 Sep;115(3):996–1003

Fetal rat somatotropes in vitro: effects of insulin, cortisol, and growth hormone-releasing factor on their differentiation: a light and electron microscopic study. Hemming FJ, et al. **Endocrinology** 1984 Jun;114(6):2107–13

Epidermal growth factor stimulates growth hormone secretion from superfused rat adenohypophyseal fragments. Ikeda H, et al. **Endocrinology** 1984 Aug;115(2):556–8

Influence of gonadal steroids on age- and sex-related secretory patterns of growth hormone in the rat. Jansson JO, et al. **Endocrinology** 1984 Apr;114(4):1287–94

Secretory granule growth hormone and prolactin release: independence from granule membrane ATPase. Lorenson MY, et al. **Endocrinology** 1984 Mar;114(3):717–24

Human pancreatic growth hormone releasing factor (hpGRF-1-40) stimulates GH release in the ovine fetus. Ohmura E, et al. **Endocrinology** 1984 Jan;114(1):299–301

A possible role of prostacyclin to stimulate prolactin and growth hormone release by hypothalamic and pituitary actions, respectively. Ottlecz A, et al. **Endocrinology** 1984 Feb;114(2):359–63

Corticotropin-releasing factor (CRF) acts centrally to inhibit growth hormone secretion in the rat. Rivier C, et al. **Endocrinology** 1984 Jun;114(6):2409–11

Impaired ability of old male rats to secrete growth hormone in vivo but not in vitro in response to hpGRF(1–44). Sonntag WE, et al. **Endocrinology** 1983 Dec;113(6):2305–7

Presence of an adenylate cyclase dually regulated by somatostatin and human pancreatic growth hormone (GH)-releasing factor in GH-secreting cells. Spada A, et al. **Endocrinology** 1984 Sep;115(3):1203–9

Thyrotropin-releasing hormone stimulates growth hormone release from the anterior pituitary of hypothyroid rats in vitro. Szabo M, et al. **Endocrinology** 1984 Apr; 114(4):1344–51

Growth hormone (GH)-releasing factor does not regulate GH release or GH mRNA levels in GH3 cells. Zeytin FN, et al. **Endocrinology** 1984 Jun;114(6):2054–9

Serum somatomedin activity and growth hormone secretion by cultured pituitary cells from genetically obese Zucker rats. Grzywa M. **Endokrynol Pol** 1984;35(2):105–11

Growth hormone studies in lysinuric protein intolerance. Goto I, et al. **Eur J Pediatr** 1984 Feb;141(4):240–2

Effects of beta-endorphin fragment 6–31 on morphine- and beta-endorphin-induced growth hormone and prolactin release. Panerai AE, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):341–3

Effect of i.v. prostaglandin E2 on the secretion of pituitary hormones in healthy men. Vierhapper H, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):372–5

Effect of nifedipine on the adrenocortical and somatotrophic secretory reserve and TSH and thyroid hormone plasma levels. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):97–100

Effects of growth hormone-releasing factor, somatostatin and dopamine on growth hormone and prolactin secretion from cultured ovine pituitary cells. Law GJ, et al. **FEBS Lett** 1984 Jan 23;166(1):189–93

Growth hormone and prolactin secretion in water-deprived chickens. Harvey S, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):46–50

Stimulation of growth hormone secretion in dwarf chickens by thyrotrophin-releasing hormone (TRH) or human pancreatic growth-hormone-releasing factor (hpGRF). Harvey S, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):493–7

Failure of castration to prevent the prepubescent decline in the circulating concentration of growth hormone in the domestic fowl. Scanes CG, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):398–401

Diazepam-stimulated GH secretion in normal subjects: relation to oestradiol plasma levels. D'Armiento M, et al. **Horm Metab Res** 1984 Mar;16(3):155

Failure of metoclopramide to release GH in pregnant women. Robuschi G, et al. **Horm Metab Res** 1983 Sep;15(9):460–1

Failure to confirm consistent stimulation of growth hormone by diazepam. Levin ER, et al. **Horm Res** 1984;19(2):86–90

Failure of somatostatin antiserum to reverse histamine-induced inhibition of pulsatile growth hormone secretion. Netti C, et al. **Horm Res** 1984;19(1):12–7

Hypothalamic control of insulin, growth hormone & cortisol release in primates (rhesus monkeys). Garg SK, et al. **Indian J Exp Biol** 1983 Jan;21(1):40–1

The effect of acetylsalicylic acid and diclofenac on stimulated growth hormone and prolactin secretion in humans. Caviezel F, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):502–4

The role of neuropeptides in modulating PRL and GH secretion. Lancranjan I, et al. **Int J Neurol** 1980; 14(2–4):175–88 (60 ref.)

Electroencephalogram and neuroendocrine parameters in pubertal and adolescent depressed children. A case report study. Mendlewicz J, et al. **J Affective Disord** 1984 Jun; 6(3–4):265–72

Growth hormone response to clonidine in children ages 4–17: Tourette's syndrome vs. children with short stature. Leckman JF, et al. **J Am Acad Child Psychiatry** 1984 Mar; 23(2):174–81

Bromoergocriptine and growth hormone (GH) dynamics in health and hypersomatotropism. Sachdev Y. **J Assoc Physicians India** 1983 Apr;31(4):195–9

A study of cell electrophoresis as a means of purifying growth hormone secreting cells. Plank LD, et al. **J Biochem Biophys Methods** 1983 Dec;8(4):275–89

Induction of amino acid transport by L-triiodothyronine in cultured growth hormone-producing rat pituitary tumor cells (GC cells). Surks MI, et al. **J Biol Chem** 1984 May 10;259(9):5726–33

Somatostatin discriminates between the intracellular pathways of secretory and membrane proteins. Green R, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):97–104

Cholinergic mediation of growth hormone secretion elicited by arginine, clonidine, and physical exercise in man. Casanueva FF, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):526–30

Stimulation of growth hormone by vasoactive intestinal polypeptide in acromegaly. Chihara K, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):81–6

Cholinergic receptor control mechanisms for L-dopa, apomorphine, and clonidine-induced growth hormone secretion in man. Delitala G, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1145–9

Studies in constitutionally tall adolescents. II. Effects of bromocriptine on growth hormone secretion and adult height prediction. Evain-Brion D, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1022–6

Intranasal administration of human pancreatic tumor GH-releasing factor-40 stimulates GH release in normal men. Evans WS, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):1081–3

Histamine-induced paradoxical growth hormone response to thyrotropin-releasing hormone in normal men. Knigge U, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):692–7

The interrelationship between the effects of somatostatin and human pancreatic growth hormone-releasing factor on growth hormone release by cultured pituitary tumor cells from patients with acromegaly. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):250–4

Dopaminergic treatment of acromegaly: different effects on hormone secretion and tumor size. Oppizzi G, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):988–92

Insulin suppresses growth hormone secretion by rat pituitary cells. Melmed S. **J Clin Invest** 1984 May;73(5):1425–33

Plasma growth hormone responses to constant infusions of human pancreatic growth hormone releasing factor. Intermittent secretion or response attenuation. Webb CB, et al. **J Clin Invest** 1984 Jul;74(1):96–103

Inhibition by testosterone of prolactin and growth hormone release from chicken anterior pituitary glands in vitro. Hall TR, et al. **J Endocrinol** 1984 Aug;102(2):153–9

Effects of synthetic mammalian thyrotrophin releasing

hormone, somatostatin and dopamine on the secretion of prolactin and growth hormone from amphibian and reptilian pituitary glands incubated in vitro. Hall TR, et al. **J Endocrinol** 1984 Aug;102(2):175–80

Human growth hormone–secreting pituitary adenoma cells in long–term culture: effects of dexamethasone and growth hormone releasing factor. Oosterom R, et al. **J Endocrinol** 1984 Mar;100(3):353–60

Naloxone does not alter the effect of gamma aminobutyric acid derivative, baclofen, on GH release in man. Chiodera P, et al. **J Endocrinol Invest** 1983 Oct;6(5):381–4

Caffeine stimulates growth hormone secretion by cultured rat pituitary cells. Hochberg Z, et al. **J Endocrinol Invest** 1984 Feb;7(1):59–60

Growth hormone releasing factor (hpGRF)–stimulation test in normal controls and acromegalic patients. von Werder K, et al. **J Endocrinol Invest** 1984 Jun;7(3):185–91

Human pancreatic growth hormone–releasing factor (hpGRF) stimulates growth hormone release in goldfish. Peter RE, et al. **J Exp Zool** 1984 Jul;231(1):161–3

Reduced pulsatile growth hormone secretion in children after therapy for acute lymphoblastic leukemia. Blatt J, et al. **J Pediatr** 1984 Feb;104(2):182–6

Relationship between the three–hour–period sleep–wakefulness cycle and growth hormone secretion in the immature rat. Kawakami M, et al. **J Physiol (Lond)** 1984 Mar;348:271–83

Recognition of growth hormone secretory disorders [editorial] Daughaday WH. **JAMA** 1984 May 4; 251(17):2251

Growth hormone neurosecretory dysfunction. A treatable cause of short stature. Spiliotis BE, et al. **JAMA** 1984 May 4;251(17):2223–30

Growth hormone secretion of the neonatal rat pituitaries is stimulated by gamma–aminobutyric acid in vitro. Acs Z, et al. **Life Sci** 1984 Apr 16;34(16):1505–11

Increased GH responsiveness to dopamine receptor stimulation in alcohol addicts during the late withdrawal syndrome. Annunziato L, et al. **Life Sci** 1983 Dec 26; 33(26):2651–5

Dissociation between increased growth hormone and prolactin secretion during the morning hours of early pregnancy in the rat. Blake CA, et al. **Life Sci** 1983 Oct 10;33(15):1475–8

Presynaptic alpha 2 –adrenergic stimulation leads to growth hormone release in the dog. Cella SG, et al. **Life Sci** 1984 Jan 30;34(5):447–54

Differential role of the opioid mu and delta receptors in the activation of prolactin (PRL) and growth hormone (GH) secretion by morphine in the male rat. Koenig JI, et al. **Life Sci** 1984 May 7;34(19):1829–37

Inhibition of growth hormone and prolactin secretion by a serine proteinase inhibitor. Rappay G, et al. **Life Sci** 1984 Jan 23;34(4):337–44

Synthetic human pancreatic growth hormone releasing factor (GRF) stimulates growth hormone secretion in the domestic fowl (Gallus domesticus). Scanes CG, et al. **Life Sci** 1984 Mar 19;34(12):1127–34

Different sodium requirements for 86Rb efflux and for growth hormone and prolactin secretion from bovine anterior pituitary cells. Saith S, et al. **Mol Cell Endocrinol** 1984 Apr;35(1):47–54

Peptides of the neurointermediary lobe of rat pituitary stimulate GH secretion in vitro. Schlegel W, et al. **Mol Cell Endocrinol** 1983 Sep;32(1):47–55

Pergolide for pituitary tumors secreting prolactin or growth hormone [letter] Gillet C, et al. **N Engl J Med** 1984 Mar 15;310(11):725–6

Viral perturbation of endocrine function: disordered cell function leads to disturbed homeostasis and disease. Oldstone MB, et al. **Nature** 1984 Jan 19–25; 307(5948):278–81

Stimulatory effect of dermorphin, a new synthetic potent opiate–like peptide, on human growth hormone secretion. degli Uberti EC, et al. **Neuroendocrinology** 1983 Oct; 37(4):280–3

Effects of neonatal treatment with monosodium glutamate on growth hormone release induced by clonidine and prostaglandin E1 in conscious male rats. Katakami H, et al. **Neuroendocrinology** 1984 Jan;38(1):1–5

Beta–adrenergic stimulation of growth hormone release from perifused rat anterior pituitary cells. Perkins SN, et al. **Neuroendocrinology** 1983 Dec;37(6):473–5

Ectopic growth hormone–releasing factor stimulates growth hormone secretion in the urethane–anesthetized rat in vivo. Szabo M, et al. **Neuroendocrinology** 1983 Nov;37(5):328–31

The absence of an age–related change in the pituitary response to growth hormone–releasing factor in rats. Wehrenberg WB, et al. **Neuroendocrinology** 1983 Dec; 37(6):463–6

Dissociated patterns of nocturnal prolactin, cortisol, and growth hormone secretion after stroke. Culebras A, et al. **Neurology (NY)** 1984 May;34(5):631–6

CCK–33 antagonizes apomorphine–induced growth hormone secretion and increases basal prolactin levels in man. Nair NP, et al. **Neuropeptides** 1984 Jun;4(4):281–91

Involvement of hypothalamic somatostatin in glucagon–induced suppression of growth hormone secretion in conscious rats. Katakami H, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):849–52

Synthetic hpGRF 1–40 stimulates growth hormone and inhibits prolactin secretion in normal children and children with isolated growth hormone deficiency. Pintor C, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):929–33

Somatocrinin receptor coupled with cAMP–dependent protein kinase on anterior pituitary granules. Lewin MJ, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6538–41

Bromocriptine inhibits growth hormone release from rat pituitary cells in primary culture. Cronin MJ, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):191–5

Comparison of growth hormone and prolactin stimulation induced by chlorimipramine and desimipramine in man in connection with chlorimipramine metabolism. Laakmann G, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):62–7

Pituitary response to growth hormone–releasing factor in rats with functional or anatomical lesions of the central nervous system that inhibit endogenous growth hormone secretion. Wehrenberg WB, et al. **Regul Pept** 1984 Jan;8(1):1–8

Ultrastructure of pituitary somatotrophs of male rats during liver carcinogenesis by 3'–methyl–4–dimethylaminoazobenzene. Varey SN, et al. **Virchows Arch [Cell Pathol]** 1984;46(1–2):21–32

[Acromegaly, clinical expression of the production of growth hormone releasing factor in pancreatic tumors] Sassolas G, et al. **Ann Endocrinol (Paris)** 1983;44(6):347–54 (Eng. Abstr.) **(Fre)**

[Somatocrinin (GRF) stimulates the liberation of biologically active somatotropin (GH) in adult man] Sassolas G, et al. **C R Seances Acad Sci [III]** 1983;296(23):1113–6 (Eng. Abstr.) **(Fre)**

[Effect of nicergoline on the level of growth hormone in diabetic patients] Schrub JC, et al. **LARC Med** 1983 Oct; 3(8):537–8 (Eng. Abstr.) **(Fre)**

[Oral glucose tolerance test reevaluated in 68 subjects for its validity in growth hormone secretors] Relli P, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1429–34 (Eng. Abstr.) **(Ita)**

[Behavior of the somatotroph in prepubertal subjects with underdeveloped gonads] Scaffidi A, et al. **Minerva Med** 1984 Jan 14;75(1–2):5–8 (Eng. Abstr.) **(Ita)**

[Involvement of the anterior hypothalamus in releasing growth hormone under the stimulation of the ventromedial hypothalamus in rats] Kato M, et al. **Horumon To Rinsho** 1983 Sep;31(9):843–5 **(Jpn)**

[Primary culture of human functioning pituitary adenoma in monolayer and collagen gel culture] Yoshida T, et al. **No Shinkei Geka** 1983 Nov;11(11):1149–55 (Eng. Abstr.) **(Jpn)**

[Growth hormone secretion in patients with various types of diabetes mellitus and in healthy persons after L–dopa stimulation] Muszyński J. **Pol Arch Med Wewn** 1983 Apr–May;69(4–5):341–50 (Eng. Abstr.) **(Pol)**

[Effect of aging on insulin and growth hormone secretion] Gerlach J. **Pol Tyg Lek** 1983 Oct 31;38(44):1353–6 (Eng. Abstr.) **(Pol)**

[Individual variability of the secretion of sex steroids, somatotropic hormone and cortisol in males at puberty] Titova EP. **Biol Nauki** 1984;(7):62–6 (Eng. Abstr.) **(Rus)**

[Dynamics of immunoreactive insulin and somatotropin secretion in occupational exposure to hazards of a chemical nature] Danilin VA, et al. **Gig Tr Prof Zabol** 1983 Dec; (12):29–32 (Eng. Abstr.) **(Rus)**

[Somatotropic function of the adenohypophysis in hyperthyroidism] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1983 Nov–Dec;29(6):67–72 (Eng. Abstr.) **(Rus)**

[Insulin and somatotropic hormone secretion and connective tissue function in patients with chronic hepatitis and liver cirrhosis] Okorokov AN. **Ter Arkh** 1984;56(2):67–71 (Eng. Abstr.) **(Rus)**

[Evaluation of growth hormone stimulation tests using clonidine, glucagon, propanolol, hypoglycemia, arginine and L–dopa in 267 children of short stature] Rodríguez Doreste OL, et al. **Rev Clin Esp** 1984 Apr 30;173(2):113–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Improvement in clinical condition and thymus morphologic features associated with growth hormone treatment of immunodeficient dwarf dogs. Roth JA, et al. **Am J Vet Res** 1984 Jun;45(6):1151–5

Dominant dystrophic epidermolysis bullosa [letter] Chalmers RJ, et al. **Arch Dermatol** 1984 Jun;120(6):707–8

Facilitating patient understanding in the treatment of growth delay. Grew RS, et al. **Clin Pediatr (Phila)** 1983 Oct; 22(10):685–90

Long term effects of human growth hormone on 1,959 patients with pituitary dwarfism throughout Japan. Shizume K. **Endocrinol Jpn** 1984 Apr;31(2):201–6

Plasma somatomedin activity and urinary hydroxyproline excretion during administration of human growth hormone in children with short stature. Long–term effects and relation with short–term changes. Wit JM, et al. **Horm Res** 1984;19(4):216–23

Plasma somatomedin activity and urinary hydroxyproline excretion during administration of human growth hormone in children with short stature. Short–term effects. Wit JM, et al. **Horm Res** 1984;19(4):205–15

Clinical uses of synthetic growth hormone. Hintz RL, et al. **Hosp Pract** 1983 Oct;18(10):115–9, 123–4

Computer analyses of acoustical parameters in hypopituitary children before and after growth hormone treatment. Hoffman WH, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar;7(1):1–9

Chronobiologic considerations in human growth hormone therapy. Matustik MC, et al. **J Pediatr** 1983 Oct; 103(4):543–6

Evaluation of growth hormone release and human growth hormone treatment in children with cranial irradiation–associated short stature. Romshe CA, et al. **J Pediatr** 1984 Feb;104(2):177–81

Advances in diagnosis and treatment of short stature, with special reference to the role of growth hormone. Schaff–Blass E, et al. **J Pediatr** 1984 Jun;104(6):801–13 (65 ref.)

Growth hormone treatment for short children [editorial] Underwood LE. **J Pediatr** 1984 Feb;104(2):237–9

Treatment of constitutional delay of growth and adolescence with human growth hormone. Bierich JR. **Klin Padiatr** 1983 Sep–Oct;195(5):309–16

Growth hormone. **Med Lett Drugs Ther** 1984 Aug 31; 26(669):80–1

Growth–hormone–induced changes in postheparin plasma lipoprotein lipase and hepatic triglyceride lipase activities. Asayama K, et al. **Metabolism** 1984 Feb;33(2):129–31

Human growth hormone treatment in short children without growth hormone deficiency [letter] Stahnke N. **N Engl J Med** 1984 Apr 5;310(14):925–6

Report of the conference on uses and possible abuses of biosynthetic human growth hormone. Underwood LE. **N Engl J Med** 1984 Aug 30;311(9):606–8

Growth hormone treatment for short stature. Van Vliet G, et al. **N Engl J Med** 1983 Oct 27;309(17):1016–22

Effectiveness of Soviet–produced human somatotropin in the treatment of hypothalamo–pituitary dwarfism. Lashene DG. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):126–9

Growth hormone in the treatment of children with short stature. **Pediatrics** 1983 Dec;72(6):891–4

Short children and growth hormone [letter] Copeland KC. **Pediatrics** 1984 Jan;73(1):112–4

Growth hormone therapy. Styne DM. **West J Med** 1984 Jun; 140(6):931–2

[Results of treatment with growth hormone. Apropos of 31 cases of hypopituitarism] Sablayrolles B, et al. **Ann Pediatr (Paris)** 1983 Sep;30(7):509–14 (Eng. Abstr.) **(Fre)**

[Results of treatment with growth hormone. Apropos of 31 cases of pituitary insufficiency] Sablayrolles B, et al. **Sem Hop Paris** 1984 Jan 19;60(2):106–11 (Eng. Abstr.) **(Fre)**

[Delay of constitutional development—studies on therapy with growth hormone] Butenandt O. **Klin Padiatr** 1984 Mar–Apr;196(2):69–72 (Eng. Abstr.) **(Ger)**

[Relation between the somatotropic hormone and senile osteoporosis] Butturini L. **G Clin Med** 1984 Jan;65(1):1–21 (106 ref.) (Eng. Abstr.) **(Ita)**

[Treatment with low–dose HGH in children of short stature due to somatotropin deficiency] Scirè G, et al. **Minerva Pediatr** 1983 Jun 30;35(12):633–8 (Eng. Abstr.) **(Ita)**

[Diagnosis and treatment of pituitary dwarfism] Hibi I, et al. **Horumon To Rinsho** 1984 Jan;32(1):9–14 **(Jpn)**

[Effect of somatotropin on cathepsin D in the liver of hypo– and hyperthyroid rats] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):60–4 (Eng. Abstr.) **(Rus)**

SOMATOTROPIN RELEASE INHIBITING HORMONE

ADMINISTRATION & DOSAGE

Somatostatin effect on the level of adenyl nucleotides in the blood and tissues of rats during short–lasting hypothermia. Krauss H, et al. **Acta Physiol Pol** 1983 Jul–Aug; 34(4):437–44

Influence of somatostatin on splanchnic haemodynamics in patients with liver cirrhosis. Eriksson LS, et al. **Clin Physiol** 1984 Feb;4(1):5–11

Continuous infusion of somatostatin evokes escape of gastric acid inhibition in the rat. Ekelund M, et al. **Gastroenterology** 1984 May;86(5 Pt 1):861–5

Intracerebroventricular somatostatin attenuates electroconvulsive shock–induced amnesia in rats. Vécsei L, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):293–5

[Effects of the administration of somatostatin 14 in the carcinoid syndrome. Clinical and biological study of 2 cases] Guillard JF, et al. **Gastroenterol Clin Biol** 1983 Dec; 7(12):1016–22 (Eng. Abstr.) **(Fre)**

[Effect of somatostatin on gastric hydrochloric acid secretion and serum gastrin concentration in the dog] Barashkova GM, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):70–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Cimetidine–somatostatin combination in the treatment of an external duodenal fistula (letter)] Fournier D, et al. **Gastroenterol Clin Biol** 1983 Dec;7(12):1041–2 **(Fre)**

ANALOGS & DERIVATIVES

Comparative studies with cyclic and linear somatostatin on active avoidance behaviour and open–field activity in rats. Vécsei L, et al. **Acta Physiol Hung** 1983;61(1–2):43–9

Binding of somatostatin to pancreatic acinar cells. Esteve JP, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G62–9

An etorphine-evoked vagal reflex in rats is inhibited by naloxone, N-methylnaloxone, and SMS 201-995. Dashwood MR, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):77-82

Synthesis and biological activity of a cyclic pseudohexapeptide analog of somatostatin. Gero TW, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):840-5

Cell-free biosynthesis of multiple preprosomatostatins: characterization by hybrid selection and amino-terminal sequencing. Warren TG, et al. **Biochemistry** 1984 Jun 5; 23(12):2684-90

Extended retro-inverso analogs of somatostatin. Pallai P, et al. **Biopolymers** 1983 Dec;22(12):2523-38

Cell-free synthesized precursor to somatostatin-28 from the rat hypothalamus. Ivell R, et al. **Brain Res** 1984 Jan 30; 292(1):93-8

Effect of Ala-2-D-Trp-8-D-Cys-14-somatostatin on the arginine induced release of insulin, GH and glucagon in normal men. Gonzalez-Barcena D, et al. **Endocr Res** 1984; 10(1):39-48

Somatostatin analogs: correlation between receptor binding affinity and biological potency in GH pituitary cells. Schonbrunn A, et al. **Endocrinology** 1983 Nov; 113(5):1559-67

Dissociated effects of somatostatin analogs on arginine-induced insulin, glucagon and growth hormone release in acromegalic patients. Wajchenberg BL, et al. **Horm Metab Res** 1983 Oct;15(10):471-4

Conformational modifications of cyclic hexapeptide somatostatin analogs. Freidinger RM, et al. **Int J Pept Protein Res** 1984 Feb;23(2):142-50

Comparison of prohormone-processing activities in islet microsomes and secretory granules: evidence for distinct converting enzymes for separate islet prosomatostatins. Noe BD, et al. **J Cell Biol** 1984 Aug;99(2):578-87

Association of newly synthesized islet prohormones with intracellular membranes. Noe BD, et al. **J Cell Biol** 1984 Aug;99(2):418-24

Can inhibition of hormone secretion be associated with endocrine tumour shrinkage? [letter] Kraenzlin ME, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1501

Treatment of metastasising GRF-producing tumour with a long-acting somatostatin analogue [letter] von Werder K, et al. **Lancet** 1984 Aug 4;2(8397):282-3

A super active cyclic hexapeptide analog of somatostatin. Veber DF, et al. **Life Sci** 1984 Apr 2;34(14):1371-8

Primary structure of the gene encoding rat preprosomatostatin. Montminy MR, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3337-40

Inhibition of growth of pancreatic carcinomas in animal models by analogs of hypothalamic hormones. Redding TW, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):248-52

Antitumor effects of analogs of hypothalamic hormones in endocrine-dependent cancers. Schally AV, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):259-81 (197 ref.)

Inhibition of an opioid-evoked vagal reflex in rats by naloxone, SMS 201-995 and ICI 154, 129. Kiang JG, et al. **Regul Pept** 1983 Jul;6(3):255-62

ANALYSIS

Immunocytochemical identification of cells containing insulin, glucagon, somatostatin, and pancreatic polypeptide in the islets of Langerhans of the guinea pig pancreas with light and electron microscopy. Baskin DG, et al. **Anat Rec** 1984 Apr;208(4):567-78

The microanatomy of human islets of Langerhans, with special reference to somatostatin (D-) cells. Grube D, et al. **Arch Histol Jpn** 1983 Jun;46(3):327-53

Somatostatin and/or somatostatin-like immunoreactive endocrine-paracrine cells in the human prostate gland. di Sant'Agnese PA, et al. **Arch Pathol Lab Med** 1984 Sep; 108(9):693-6

Pre- and postnatal developmental changes in hypothalamic and pituitary content of alpha-melanocyte-stimulating hormone and somatostatin in the rat. Khorram O, et al. **Biol Neonate** 1984;46(2):80-8

Regional somatostatin distribution in the rat striatum. Beal MF, et al. **Brain Res** 1983 Nov 14;278(1-2):103-8

Somatostatin and dementia in Parkinson's disease. Epelbaum J, et al. **Brain Res** 1983 Nov 14;278(1-2):376-9

Differential changes in substance P and somatostatin in brain nuclei of rats exposed to hemorrhagic shock. Feuerstein G, et al. **Brain Res** 1984 May 23;300(2):305-10

Spectrophotometry of cerebral cytochrome a, a3 in bloodless rats. Piantadosi CA, et al. **Brain Res** 1984 Jul 2;305(1):89-94

A comparison of the effects of kainic acid on somatostatin, substance P and dopamine in the rabbit retina. Sagar SM, et al. **Brain Res** 1983 Nov 14;278(1-2):109-15

Ontogenetic appearance of somatostatin-containing nerve terminals in the median eminence of rats. Adachi T, et al. **Cell Tissue Res** 1984;236(1):47-51

Distribution of immunoreactive somatostatin in the primate hypothalamus. Filby AB, et al. **Cell Tissue Res** 1983; 233(1):69-80

CSF-contacting and other somatostatin-immunoreactive neurons in the brains of Anguilla anguilla, Phoxinus phoxinus, and Salmo gairdneri (Teleostei). Vigh-Teichmann I, et al. **Cell Tissue Res** 1983; 233(2):319-34

Cytochemical demonstration of somatostatin 28-(1-14)-like immunoreactivity in the rat hypothalamus and gastro-entero-pancreatic endocrine system. Iwanaga T, et al. **Endocrinology** 1983 Nov;113(5):1839-44

Somatostatin-like immunoreactivity in mammalian thyroid glands: contents and partial characterization. Oyama H, et al. **Endocrinology** 1984 Mar;114(3):1028-32

Comparison of somatostatin distribution in pancreatic duct ligated rats and streptozotocin diabetic rats. Lee W, et al. **Gastroenterol Jpn** 1983 Oct;18(5):453-8

Somatostatin-containing cells in the extrahepatic biliary tract of humans. Dancygier H, et al. **Gastroenterology** 1984 May; 86(5 Pt 1):892-6

Gastrointestinal regulatory peptide storage granule abnormalities in jejunal mucosal diseases. Dawson J, et al. **Gut** 1984 Jun;25(6):636-43

Presence and localization of somatostatin in the rat hippocampus. Luppa H, et al. **Histochem J** 1984 Apr; 16(4):453-5

Pancreatic somatostatinoma: abundance of somatostatin-28(1-12)-like immunoreactivity in tumor and plasma. Patel YC, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):1048-53

Glandular duodenal carcinoid—a somatostatin rich tumour with neuroendocrine associations. Griffiths DF, et al. **J Clin Pathol** 1984 Feb;37(2):163-9

Distribution of spinal cord nerve endings containing various neurotransmitters on a continuous density gradient. Bucsics A, et al. **J Neurochem** 1984 Mar;42(3):692-7

The development of peptidergic neurons in the foregut of the chick. Epstein ML, et al. **J Neurosci** 1983 Dec; 3(12):2431-47

Methodological approach to the radioimmunoassay of somatostatin. Cappelli G, et al. **J Nucl Med Allied Sci** 1983 Jul-Sep;27(3):219-24

Somatostatin-like immunoreactivity in the glomerulus of rat kidney. Kurokawa K, et al. **Kidney Int** 1983 Dec; 24(6):754-7

Somatostatin-14 and -28 in the male rat reproductive system. Pekary AE, et al. **Life Sci** 1984 Mar 5;34(10):939-45

Preoptic LH-RH and somatostatin in the rat median eminence. An experimental light and electron microscopic immunocytochemical study. Jew JY, et al. **Neuroendocrinology** 1984 Mar;38(3):169-75

Somatostatin is increased in the nucleus accumbens in Huntington's disease. Beal MF, et al. **Neurology (NY)** 1984 May;34(5):663-6

Effect of food-deprivation on rat pancreatic islet cells. Aponte G, et al. **Peptides (Fayetteville)** 1983 Nov-Dec; 4(6):935-9

Somatostatin in epithelial cells of intestinal mucosa is present primarily as somatostatin 28. Baskin DG, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):615-21

The morphology of somatostatin-immunoreactive neurons in the lateral nucleus of the rat amygdala. Gray TS. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):663-8

Neuropeptides in aging and dementia. Joynt RJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:269-74

Distribution and origin of bombesin, substance P and somatostatin in cat spinal cord. Massari VJ, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):673-81

Somatostatin in the brain of the turtle Testudo hermanni Gmelin. An immunohistochemical mapping study. Weindl A, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:91-100

Somatostatin fibers and their relationship to specific cell types (GH and TSH) in the rat anterior pituitary. Westlund KN, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):557-62

Organization and interrelationship of neuropeptides in the central amygdaloid nucleus of the rat. Wray S, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):525-41

Distribution and characterisation of immunoreactive somatostatin in human gastrointestinal tract. Penman E, et al. **Regul Pept** 1983 Sep;7(1):53-65

Coexistence of acetylcholinesterase and somatostatin-immunoreactivity in neurons cultured from rat cerebrum. Delfs JR, et al. **Science** 1984 Jan 6; 223(4631):61-3

Somatostatin-immunoreactive cells in the gastro-entero-pancreatic endocrine system of Xenopus laevis. Hacker G, et al. **Z Mikrosk Anat Forsch** 1983; 97(6):929-40

[The effects of selective proximal gastric vagotomy on antral mucosal gastrin and somatostatin concentrations] Wanifuchi T. **Nippon Geka Gakkai Zasshi** 1984 May; 85(5):433-44 (Eng. Abstr.) **(Jpn)**

[Reduction in the somatostatin content of the antral mucosa in duodenal ulcer] Fukushima T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1105-10 (Eng. Abstr.) **(Jpn)**

[Effect of selective proximal vagotomy on gastric G, D- and EC-cell density in dog] Nomiyama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1159-64 (Eng. Abstr.) **(Jpn)**

[Localization of endocrine cells in choledochal cyst, with special reference to intestinal metaplasia in the biliary tract] Tamura T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2604 **(Jpn)**

[Changes of neuropeptides in the patient with progressive supranuclear palsy—distribution of substance P, somatostatin and neurotensin in the brain] Fujiyoshi K, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):17-22 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Phenoxybenzamine antagonizes somatostatin-induced antiamnesia in rats. Vécsei L, et al. **Eur J Pharmacol** 1984 Apr 6;99(4):325-8

BIOSYNTHESIS

Somatostatin biosynthesis in the mammalian hypothalamus. Ivell R, et al. **Biochem Soc Trans** 1983 Dec;11(6):813-5

Pancreatic immunoreactive somatostatin and diabetes mellitus. Ertan A, et al. **Dig Dis Sci** 1984 Jul;29(7):625-30

Sodium butyrate stimulates somatostatin production by cultured cells. Green R, et al. **Endocrinology** 1984 Jun; 114(6):1990-4

In vivo studies of somatostatin-14 and somatostatin-28 biosynthesis in rat hypothalamus. Van Itallie CM, et al. **Endocrinology** 1983 Oct;113(4):1210-7

A high molecular weight form of somatostatin-28 (1-12)-like immunoreactive substance without somatostatin-14 immunoreactivity in the rat pancreas. Evidence that somatostatin-14 synthesis can occur independently of somatostatin-28. Patel YC. **J Clin Invest** 1983 Dec; 72(6):2137-43

Cloning and biosynthetic studies of rat somatostatin. Dixon JE, et al. **Scand J Gastroenterol [Suppl]** 1983;82:25-31

Somatostatinoma syndrome accompanied by overproduction of pancreatic polypeptide. Nakanome C, et al. **Tohoku J Exp Med** 1984 Feb;142(2):201-10

BLOOD

The influence of modified sham feeding on plasma polypeptide (CCK, gastrin, motilin, neurotensin and somatostatin) concentrations in duodenal ulcer disease. Järhult J, et al. **Acta Chir Scand** 1984;150(2):141-4

Plasma somatostatin level during natural and interrupted nocturnal sleep in man. Saito H, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):129-33

Diurnal profile of plasma somatostatin in man. Burhol PG, et al. **Acta Physiol Scand** 1984 Jan;120(1):67-70

Influence of suckling and feeding on insulin, gastrin, somatostatin and VIP levels in peripheral venous blood of lactating sows. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1984 May;121(1):31-8

Neuropeptide activity in venous effluent from the hyperaemic upper limb following short-term arterial occlusion [letter] Misch KJ, et al. **Br J Dermatol** 1983 Sep;109(3):367-9

Somatostatin in diabetes [letter] Navarro MA, et al. **Clin Chem** 1983 Dec;29(12):2118-9

Radioimmunoassay of somatostatin in human plasma. Etzrodt H, et al. **Clin Chim Acta** 1983 Oct 14;133(3):241-51

Plasma somatostatin increases during hypoglycaemia in insulin-dependent patients with and without B-cell function. Madsbad S, et al. **Clin Endocrinol (Oxf)** 1983 Jul; 19(1):47-51

Effect of caerulein administration on portal plasma somatostatin in dogs. Kasanuki J, et al. **Gastroenterol Jpn** 1984 Jun;19(3):221-6

Effect of morphine, leu-enkephalin and beta-casomorphins on basal somatostatin release in dogs. Schusdziarra V, et al. **Horm Metab Res** 1983 Aug;15(8):407-8

Role of circulating somatostatin in regulation of gastric acid secretion, gastrin release, and islet cell function. Studies in healthy subjects and duodenal ulcer patients. Colturi TJ, et al. **J Clin Invest** 1984 Aug;74(2):417-23

Characterization of somatostatin in peripheral and portal plasma in the duck: in-vivo metabolism of somatostatin-28 and -14. Di Scala-Guenot D, et al. **J Endocrinol** 1984 Mar; 100(3):329-35

Carbohydrates modulate opiate receptor mediated mechanisms during postprandial endocrine function. Schusdziarra V, et al. **Regul Pept** 1983 Nov;7(3):243-52

Fasting plasma somatostatin in alcoholic liver disease. Kelbaek H, et al. **Scand J Clin Lab Invest** 1983 Nov; 43(7):597-601

Vasoactive intestinal polypeptide and somatostatin in leucocytes. Lygren I, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):347-51

The effect of graded doses of secretin on serum trypsin, serum pancreatic amylase, serum insulin, plasma somatostatin, and plasma pancreatic polypeptide in man. Florholmen J, et al. **Scand J Gastroenterol** 1984 Jan;19(1):24-30

[Gastric morphology, gastrin and somatostatin in experimental gastritis in mice] Sano K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):817-24 (Eng. Abstr.) **(Jpn)**

[State of the adaptive and defense mechanisms in children with diabetes mellitus and obesity] Kurbanov TG, et al. **Pediatriia** 1984 May;(5):56-8 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Influence of cisternal pressure on passage of neuropeptides from the cerebrospinal fluid into the peripheral circulation. Chang TM, et al. **Brain Res** 1984 May 21;300(1):172-4

Reduced cholinesterase activity and somatostatin-like immunoreactivity in the cerebrospinal fluid of patients with dementia of the Alzheimer type. Soininen HS, et al. **J Neurol Sci** 1984 Feb;63(2):167-72

Changes in the concentration of somatostatin and substance P in the cerebrospinal fluid following injection of alcohol into the pituitary gland. Conlon JM, et al. **Neuropeptides** 1984 May;4(3):227-36

Cerebrospinal fluid somatostatin in primary affective disorder. Rubinow DR, et al. **Psychopharmacol Bull** 1983; 19(3):422–5

CHEMICAL SYNTHESIS

Synthesis and conformational study of a cyclic hexapeptide analog of somatostatin containing dehydrophenylalanine. Brady SF, et al. **Int J Pept Protein Res** 1984 Feb; 23(2):212–22

Conformational modifications of cyclic hexapeptide somatostatin analogs. Freidinger RM, et al. **Int J Pept Protein Res** 1984 Feb;23(2):142–50

DIAGNOSTIC USE

Direct alpha-adrenergic stimulation of hepatic glucose production in human subjects. Rosen SG, et al. **Am J Physiol** 1983 Dec;245(6):E616–26

Effect of somatostatin-induced insulinopenia on glucose oxidation in man. Felber JP, et al. **Diabetologia** 1983 Oct; 25(4):325–30

Inhibitory effect of somatostatin-28 on pancreatic polypeptide, glucagon and insulin secretion in normal man. Marco J, et al. **Horm Metab Res** 1983 Aug;15(8):363–6

Insulin sensitivity in pancreatitis, liver diseases, steroid treatment and hyperthyroidism assessed by glucose, insulin and somatostatin infusion. Yasuda H, et al. **Horm Metab Res** 1984 Jan;16(1):3–6

Prolonged infusion of somatostatin with glucagon replacement increases plasma glucose and glucose turnover in man. Ward WK, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):449–53

Effect of somatostatin infusion on VIP-induced transport changes in the human jejunum. Krejs GJ. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):271–6

[Measurement of insulin sensitivity using the somatostatin-insulin-glucose test. Importance of the determination of plasma free fatty acids and insulin clearance] Beylot M, et al. **Presse Med** 1983 Nov 12; 12(40):2517–20 (Eng. Abstr.) **(Fre)**

GENETICS

Developmental expression of the rat somatostatin gene. Zingg HH, et al. **Endocrinology** 1984 Jul;115(1):90–4

High-resolution chromosomal localization of human genes for amylase, proopiomelanocortin, somatostatin, and a DNA fragment (D3S1) by in situ hybridization. Zabel BU, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6932–6

Sequence of the human somatostatin I gene. Shen LP, et al. **Science** 1984 Apr 13;224(4645):168–71

IMMUNOLOGY

Ontogeny of immunoreactive somatostatin in thyroid C cells from dogs and guniea pigs. Kameda Y, et al. **Anat Rec** 1984 Jan;208(1):89–101

Ontogenetic studies on the topographical heterogeneity of somatostatin-containing neurons in rat hypothalamus. Daikoku S, et al. **Cell Tissue Res** 1983;233(2):347–54

Failure of somatostatin antiserum to reverse histamine-induced inhibition of pulsatile growth hormone secretion. Netti C, et al. **Horm Res** 1984;19(1):12–7

New approach to regulation of growth using immunization against somatostatin: discussion paper. Spencer GS. **J R Soc Med** 1984 Jun;77(6):496–500

Adjuvant-free immunological manipulation of livestock. Morrison CA, et al. **Res Vet Sci** 1984 Jul;37(1):108–13

ISOLATION & PURIFICATION

Immunocytochemical localization of four hormones in the pancreas of the garter snake, Thamnophis sirtalis. Rhoten WB. **Anat Rec** 1984 Feb;208(2):233–42

Peptide factors as pharmaceuticals: criteria for application. Wünsch E. **Biopolymers** 1983 Jan;22(1):493–505

Isolation and amino acid compositions of four somatostatin-like substances in chicken hypothalamic extract. Hasegawa Y, et al. **Endocrinology** 1984 Jul; 115(1):433–5

Isolation and structure of guinea pig gastric and pancreatic somatostatin. Conlon JM. **Life Sci** 1984 Jul 9;35(2):213–20

Human growth hormone releasing factor and somatostatin from two pancreatic tumors: isolation and characterization. Böhlen P, et al. **Regul Pept** 1983 Aug;6(4):343–53

METABOLISM

Difference in glucose dependency of insulin and somatostatin release. Ronner P, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E506–9

Somatostatin metabolism: differences in clearance of N-terminal and central portions of molecule during perfusion of rat liver. Sacks HS, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G226–34

An immunohistochemical study of somatostatin and neurotensin positive neurons in the septal nuclei of the rat brain. Köhler C, et al. **Anat Embryol (Berl)** 1984;170(1):1–10

Starvation in the rat: effect on peptides of the gut and brain. Shulkes A, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):581–7

Binding of somatostatin to guinea-pig pancreatic membranes: regulation by ions. Taparel D, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):827–33

Coexistence of substances related to enkephalin and somatostatin in granules of the guinea-pig median eminence: demonstration by use of colloidal gold immunocytochemical methods. Beauvillain JC, et al. **Brain Res** 1984 Jun 3;301(2):389–93

Axoplasmic transport of somatostatin and substance P in the vagus nerve of the rat, guinea pig and cat. MacLean DB, et al. **Brain Res** 1984 Jul 30;307(1-2):135–45

High, vasopressin-reversible, immunoreactive somatostatin in specific hypothalamic nuclei of rats with diabetes insipidus (Brattleboro rats). Saavedra JM, et al. **Brain Res** 1983 Oct 24;277(1):23–30

Studies of the axoplasmic transport of somatostatin in the vagus nerve of the rat. MacLean DB, et al. **Endocrinology** 1984 Apr;114(4):1145–54

Impaired hepatic metabolism of somatostatin-14 and somatostatin-28 in spontaneously diabetic BB rats. Ruggere MD, et al. **Endocrinology** 1984 Jul;115(1):244–8

Cysteamine-induced depletion of brain somatostatin is associated with up-regulation of cerebrocortical somatostatin receptors. Srikant CB, et al. **Endocrinology** 1984 Sep;115(3):990–5

Pancreatic duct occlusion in the rat - short-term effects on oral glucose tolerance and short- and long-term effects on hormone content of the pancreas. Klein P, et al. **Eur Surg Res** 1984;16(1):15–22

The effect of the duodenal ulcerogen cysteamine on somatostatin and gastrin cells in the rat. Seiler M, et al. **Exp Mol Pathol** 1983 Oct;39(2):207–18

Unimpaired clearance of somatostatin-14 in chronic renal failure. Conlon JM, et al. **Horm Metab Res** 1984 Mar; 16(3):151–2

Synaptic contacts of somatostatin-immunoreactive amacrine cells in goldfish retina. Marshak DW, et al. **J Comp Neurol** 1984 May 1;225(1):44–52

Presence of somatostatin, enkephalins, and substance P-like peptides in cultured neurons from embryonic chick cerebral hemispheres. Louis JC, et al. **J Neurochem** 1983 Oct; 41(4):930–8

A post-mortem comparison of the cortical cholinergic system in Alzheimer's disease and Pick's disease. Wood PL, et al. **J Neurol Sci** 1983 Dec;62(1-3):211–7

Calmodulin involvement on the Ca++-dependent release of LHRH and SRIF in vitro. Drouva SV, et al. **Neuroendocrinology** 1984 Mar;38(3):189–92

Coexistence of glutamate decarboxylase and somatostatin immunoreactivity in cultured hippocampal neurons of the rat. Jirikowski G, et al. **Neurosci Lett** 1984 Apr 20; 46(1):35–9

GABAergic neurons of mammalian cerebral cortex: widespread subclass defined by somatostatin content. Schmechel DE, et al. **Neurosci Lett** 1984 Jun 29; 47(3):227–32

The development of substance P, somatostatin and vasoactive intestinal polypeptide in sympathetic and spinal sensory ganglia of the chick embryo. Hayashi M, et al. **Neuroscience** 1983 Sep;10(1):31–9

The effects of cysteamine and capsaicin on somatostatin and substance P in medullary nuclei. Helke CJ, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):669–72

Radioautographic localization of somatostatin-14 and somatostatin-28 binding sites in the rat brain. Leroux P, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):503–6

Insulin, glucagon, and somatostatin secretion by cultured rat islet cell tumor and its clones. Bhathena SJ, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):35–8

Autonomic nervous control of gastric somatostatin and gastrin release. Olesen M, et al. **Scand J Gastroenterol [Suppl]** 1984;89:127–9

Neurogenic control of release of gastrin and somatostatin. Uvnäs-Moberg K, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:131–6

[Localization of somatostatin in human brain tumors] Hara H, et al. **No To Shinkei** 1983 Jun;35(6):553–8 (Eng. Abstr.) **(Jpn)**

[Cyclic nucleotide, gastrin and somatostatin content of duodenal mucosa in patients with duodenal ulcer] Mosin VI, et al. **Klin Med (Mosk)** 1984 May;62(5):31–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Arginine hydrochloride stimulation of serum potassium and aldosterone is enhanced by somatostatin-28. Barron JL, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):407–10

Magnesium requirement for somatostatin inhibition of insulin secretion. Curry DL, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):83–6

Inhibition of pancreatic hormone secretion by somatostatin-28 and somatostatin-14 in man. Klaff LJ, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):91–5

Inhibition of foetal growth hormone (GH) and thyrotrophin (TSH) secretion after maternal administration of somatostatin. Roti E, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):393–9

The effect of linear somatostatin on the active avoidance behaviour and open-field activity on haloperidol, phenoxybenzamine and atropine pretreated rats. Vécsei L, et al. **Acta Physiol Hung** 1983;62(3-4):205–11

Effect of somatostatin on intestinal microcirculation and metabolism. Hamar J, et al. **Adv Exp Med Biol** 1984; 169:551–60

Somatostatin-induced histamine release in mast cell incubates from thymusaplastic nude rats. Diel F, et al. **Agents Actions** 1984 Apr;14(3-4):506–9

Extrapancreatic effect of somatostatin infusion to increase glucose clearance. Bergman RN, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E370–9

Glucagon suppression improves glucoregulation in moderate but not chronic severe diabetes. Lickley HL, et al. **Am J Physiol** 1983 Oct;245(4):E424–9

Somatostatin modulation of peptide-induced acetylcholine release in guinea pig ileum. Teitelbaum DH, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G509–14

Effect of somatostatin on the pituitary-thyroid axis. De Rosa G, et al. **Ann Endocrinol (Paris)** 1983;44(6):355–60

Pertussis toxin blocks somatostatin's inhibition of stimulated cyclic AMP accumulation in anterior pituitary tumor cells. Reisine TD, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):794–9

Inhibitory effect and mode of action of somatostatin on lipolysis in chicken adipocytes. Strosser MT, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):191–6

Central nervous system sites of action of bombesin and somatostatin to influence plasma epinephrine levels. Brown MR. **Brain Res** 1983 Oct 16;276(2):253–7

Somatostatin produces apnea and is localized in medullary respiratory nuclei: a possible role in apneic syndromes. Kalia M, et al. **Brain Res** 1984 Apr 2;296(2):339–44

Secretory bursts of growth hormone secretion in the dog may be initiated by somatostatin withdrawal. Cowan JS, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):199–207

Inhibition by somatostatin of the proliferation of T-lymphocytes and Molt-4 lymphoblasts. Payan DG, et al. **Cell Immunol** 1984 Apr 1;84(2):433–8

Infusion of graded concentrations of somatostatin in man: pharmacokinetics and differential inhibitory effects on pituitary and islet hormones. Skamene A, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):555–64

The influence of somatostatin, bromocriptine and photochemotherapy on psoriasis lesions. Weber G, et al. **Dermatol Monatsschr** 1983;169(9):581–7

Metabolic effects of adrenaline and noradrenaline in man: studies with somatostatin. Pernet A, et al. **Diabete Metab** 1984 May;10(2):98–105

Effect of somatostatin and atropine infusion on intestinal transit time and fructose absorption in the perfused human jejunum. Krejs GJ. **Diabetes** 1984 Jun;33(6):548–51

Hyperglycemia and beta-cell adaptation during prolonged somatostatin infusion with glucagon replacement in man. Ward WK, et al. **Diabetes** 1983 Oct;32(10):943–7

Effect of epinephrine and somatostatin-induced insulin deficiency on ketone body kinetics and lipolysis in man. Weiss M, et al. **Diabetes** 1984 Aug;33(8):738–44

Effect of Ala-2-D-Trp-8-D-Cys-14-somatostatin on the arginine induced release of insulin, GH and glucagon in normal men. Gonzalez-Barcena D, et al. **Endocr Res** 1984; 10(1):39–48

Stimulation of adenosine 3',5'-monophosphate production by growth hormone-releasing factor and its inhibition by somatostatin in anterior pituitary cells in vitro. Bilezikjian LM, et al. **Endocrinology** 1983 Nov;113(5):1726–31

Central nervous system regulation of adrenocorticotropin secretion: role of somatostatins. Brown MR, et al. **Endocrinology** 1984 May;114(5):1546–9

Interactions among epinephrine, thyrotropin (TSH)-releasing hormone, dopamine, and somatostatin in the control of TSH secretion in vitro. Dieguez C, et al. **Endocrinology** 1984 Mar;114(3):957–61

Somatostatin inhibits vasoactive intestinal peptide-stimulated cyclic adenosine monophosphate accumulation in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1541–50

Somatostatin inhibits basal and vasoactive intestinal peptide-stimulated hormone release by different mechanisms in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1551–8

Glucoregulatory effects of intrahypothalamic injections of bombesin and other peptides. Iguchi A, et al. **Endocrinology** 1984 Jun;114(6):2242–6

Effects of somatostatin and acid on inhibition of gastrin release in newborn rats. Johnson LR. **Endocrinology** 1984 Mar;114(3):743–6

Presence of an adenylate cyclase dually regulated by somatostatin and human pancreatic growth hormone (GH)-releasing factor in GH-secreting cells. Spada A, et al. **Endocrinology** 1984 Sep;115(3):1203–9

Beta-adrenergic regulation of cyclic adenosine 3',5' monophosphate accumulation in human gastric epithelial glands. Inhibitory effect of somatostatin. Boige N, et al. **Eur J Clin Invest** 1984 Feb;14(1):42–8

The effect of somatostatin on self-stimulation behavior in atropine- and methysergide-pretreated rats. Vécsei L, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):89–93

The action of peptides on the mudpuppy electroretinogram (ERG). Wachtmeister L. **Exp Eye Res** 1983 Nov; 37(5):429–37

Somatostatin and 3-oxy-methyl-D-glucose (3-OMG) uptake in isolated chicken intestinal epithelial cells. Abalde M, et al. **Experientia** 1984 Aug 15;40(8):823–4

Failure of somatostatin to inhibit the stimulatory effect of different compounds on the lower esophageal sphincter of the rat. Bertaccini G, et al. **Farmaco [Sci]** 1984 Mar; 39(3):273–6

Effects of growth hormone-releasing factor, somatostatin and dopamine on growth hormone and prolactin secretion from

cultured ovine pituitary cells. Law GJ, et al. **FEBS Lett** 1984 Jan 23;166(1):189–93

Inhibition by somatostatin of the vasopressin-stimulated adenylate cyclase in a kidney-derived line of cells grown in defined medium. Roy C. **FEBS Lett** 1984 Apr 24; 169(2):133–7

Effect of somatostatin and bombesin on secretin-stimulated ductular bile flow in dogs. Kaminski DL, et al. **Gastroenterology** 1983 Dec;85(6):1239–47

The effects of somatostatin on serum growth hormone levels in the goldfish, Carassius auratus. Cook AF, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):109–13

In vitro study of frog (Rana ridibunda Pallas) interrenal function by use of a simplified perifusion system. VII. Lack of effect of somatostatin on angiotensin-induced corticosteroid production. Delarue C, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):333–8

Specificity of response of intestinal ion transport systems to a pair of natural peptide hormone analogs: somatostatin and urotensin II. Loretz CA, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):198–206

In vitro effects of thyrotropin-releasing hormone and somatostatin on prolactin and growth hormone release by the pituitary of Poecilia latipinna. I. An electrophoretic study. Wigham T, et al. **Gen Comp Endocrinol** 1984 Sep; 55(3):444–9

The influence of vasoactive agents on metabolic activity of the liver in cirrhosis: a study of the effects of posterior pituitary extract, vasopressin, and somatostatin. Barbare JC, et al. **Hepatology** 1984 Jan–Feb;4(1):59–62

Low doses of somatostatin do not suppress postprandial serum gastrin levels in dogs. Feurle GE, et al. **Horm Metab Res** 1984 Feb;16(2):71–3

Insulin secretion in organ culture of chick endocrine pancreas: effect of somatostatin, growth hormone and dexamethasone. Foltzer C, et al. **Horm Metab Res** 1983 Oct;15(10):513–4

Effect of Ca++ and somatostatin on insulin release in humans. Lunetta M, et al. **Horm Metab Res** 1983 Sep; 15(9):457–8

Inhibitory effects of somatostatin on growth and differentiation in cultured intestinal mucosa. Stange EF, et al. **Horm Metab Res** 1984 Feb;16(2):74–8

Somatostatin actions in primary dissociated cell cultures of mammalian spinal cord neurons. Macdonald RL, et al. **Int J Neurol** 1980;14(2–4):221–32

Somatostatin and serum gastrin behaviour. Giacosa A, et al. **Int J Tissue React** 1983;5(4):403–6

The inhibitory guanine nucleotide-binding regulatory component of adenylate cyclase. Subunit dissociation and the inhibition of adenylate cyclase in S49 lymphoma cyc– and wild type membranes. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3586–95

Somatostatin discriminates between the intracellular pathways of secretory and membrane proteins. Green R, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):97–104

Direct effects of catecholamines, thyrotropin-releasing hormone, and somatostatin on growth hormone and prolactin secretion from adenomatous and nonadenomatous human pituitary cells in culture. Ishibashi M, et al. **J Clin Invest** 1984 Jan;73(1):66–78

Effects of synthetic mammalian thyrotrophin releasing hormone, somatostatin and dopamine on the secretion of prolactin and growth hormone from amphibian and reptilian pituitary glands incubated in vitro. Hall TR, et al. **J Endocrinol** 1984 Aug;102(2):175–80

Somatostatin pretreatment desensitizes somatostatin receptors linked to adenylate cyclase and facilitates the stimulation of cyclic adenosine 3':5'-monophosphate accumulation in anterior pituitary tumor cells. Reisine TD, et al. **J Neurosci** 1984 Mar;4(3):812–9

Somatostatin desensitization: loss of the ability of somatostatin to inhibit cyclic AMP accumulation and adrenocorticotropin hormone release. Reisine T. **J Pharmacol Exp Ther** 1984 Apr;229(1):14–20

Effects of somatostatin on liver glycogen and fat metabolism in vivo. Ogihara M, et al. **Jpn J Pharmacol** 1984 Mar; 34(3):313–8

Effect of somatostatin on labeled 5-hydroxytryptamine release from rat spinal cord and methionine enkephalin antagonism in vivo. Tsai HY, et al. **Jpn J Pharmacol** 1983 Aug;33(4):900–2

Effects of somatostatin on phosphate transport: evidence for the role of basal insulin. Lau K, et al. **Kidney Int** 1983 Jul;24(1):10–5

Effects of somatostatin on food intake in rats. Aponte G, et al. **Life Sci** 1984 Aug 13;35(7):741–6

ACTH secretion in mouse pituitary tumor cells in culture: inhibition of CRF-stimulated hormone release by somatostatin. Richardson UI. **Life Sci** 1983 Nov 14; 33(20):1981–8

Somatostatin stimulates clearance and hepatic uptake of colloidal carbon in the rat. Szabo S. **Life Sci** 1983 Nov 14;33(20):1975–80

Interactions between growth hormone-releasing factor, prostaglandin E2 and somatostatin on cyclic AMP accumulation in rat adenohypophysial cells in culture. Michel D, et al. **Mol Cell Endocrinol** 1983 Dec; 33(2–3):255–64

Endocrine influences on the actions of morphine. III. Responses to hypothalamic hormones. Kasson BG, et al. **Neuroendocrinology** 1983 Dec;37(6):416–20

Evidence that somatostatin releases endogenous substance(s) responsible for its presynaptic inhibitory effect on rat vas deferens and guinea pig ileum. Vizi ES, et al. **Neuroendocrinology** 1984 Aug;39(2):142–8

The effects of somatostatin, its fragments and an analog on electroconvulsive shock-induced amnesia in rats. Vécsei L, et al. **Neuropeptides** 1984 Mar;4(2):137–43

The effect of somatostatin on striatal catecholamines. Beal MF, et al. **Neurosci Lett** 1984 Feb 24;44(3):271–6

K+-induced thyrotropin-releasing hormone release from superfused mediobasal hypothalami in rats. Inhibition by somatostatin. Tapia-Arancibia L, et al. **Neurosci Lett** 1984 Mar 9;45(1):47–52

Analysis of food stimulation of gastrin release in dogs by a panel of inhibitors. Hirschowitz BI, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):35–40

Somatostatin, prostaglandin E2 and atropine inhibition of the gastric actions of bombesin in the dog. Hirschowitz BI, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):29–34

Hyperthermic action of somatostatin-28. Wakabayashi I, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):325–30

Studies of somatostatin-induced barrel rotation in rats. Burke RE, et al. **Regul Pept** 1983 Nov;7(3):207–20

Influence of a continuous intragastric and intravenous infusion of somatostatin on stimulated gastric secretion. Limberg B, et al. **Res Exp Med (Berl)** 1983;183(2):153–6

Inhibition of glucose-induced insulin secretion by somatostatin in goats. Maglad MA, et al. **Res Vet Sci** 1983 Jul;35(1):19–21

The influence of somatostatin on gallbladder response to intraduodenal acid and autonomic nerve stimulation in the cat. Björck S, et al. **Scand J Gastroenterol** 1984 Mar; 19(2):173–7

[Interactions between secretin and somatostatin on acid secretion and gastric emptying in dogs] Lafontaine M, et al. **Gastroenterol Clin Biol** 1984 Apr;8(4):343–6 (Eng. Abstr.) **(Fre)**

[Cardiovascular effects of the infusion of somatostatin in man] Vigorito C, et al. **Boll Soc Ital Cardiol** 1982;27(6):603–7 **(Ita)**

[Gastrin antagonists for the treatment of peptic ulcer] Yanaihara N. **Nippon Rinsho** 1984 Jan;42(1):120–4 (26 ref.) **(Jpn)**

PHYSIOLOGY

Comparative studies with cyclic and linear somatostatin on active avoidance behaviour and open-field activity in rats. Vécsei L, et al. **Acta Physiol Hung** 1983;61(1–2):43–9

Evidence of a paracrine role for pancreatic somatostatin in vivo. Taborsky GJ Jr. **Am J Physiol** 1983 Dec; 245(6):E598–603

Regulation of phosphoprotein phosphatase by somatostatin. Catalan RE, et al. **Biochem Med** 1984 Feb;31(1):36–41

Profound suppression of kindled seizures by cysteamine: possible role of somatostatin to kindled seizures. Higuchi T, et al. **Brain Res** 1983 Dec 12;288(1–2):359–62

A role for somatostatin in the control of hamster growth. Borer KT, et al. **Brain Res Bull** 1983 Dec;11(6):663–9

Somatostatin and growth hormone releasing factor: synthesis, location, metabolism and function. Gómez-Pan A, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):469–507 (313 ref.)

Growth hormone neuroregulation and the clinical relevance of somatostatin. Wass JA. **Clin Endocrinol Metab** 1983 Nov; 12(3):695–724 (187 ref.)

Is somatostatin a true local inhibitory regulator of insulin secretion? Kanatsuka A, et al. **Diabetes** 1984 Jun; 33(6):510–5

Noradrenergic modulation of human pancreatic growth hormone-releasing factor (hpGHRF1–44)-induced growth hormone release in conscious male rabbits: involvement of endogenous somatostatin. Chihara K, et al. **Endocrinology** 1984 Apr;114(4):1402–6

Thyrotropin secretion in starved rats is enhanced by somatostatin antiserum. DeRuyter H, et al. **Horm Metab Res** 1984 Feb;16(2):92–6

The interrelationship between the effects of somatostatin and human pancreatic growth hormone-releasing factor on growth hormone release by cultured pituitary tumor cells from patients with acromegaly. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):250–4

Somatostatin inhibits rat hepatic T4-5'-deiodinase. The effect is independent of the associated hypoinsulinemia. Gavin LA, et al. **J Clin Invest** 1983 Dec;72(6):2020–30

Inhibition of gastrin release by secretin is mediated by somatostatin in cultured rat antral mucosa. Wolfe MM, et al. **J Clin Invest** 1983 Nov;72(5):1586–93

Somatostatin in the caudal spinal cord: an immunohistochemical study of the spinal centers involved in the innervation of pelvic organs. Schrøder HD. **J Comp Neurol** 1984 Mar 1;223(3):400–14

Development of somatostatin-like immunoreactivity in embryonic sympathetic ganglia. Maxwell GD, et al. **J Neurosci** 1984 Feb;4(2):576–84

Somatostatin [letter] **N Engl J Med** 1984 May 10; 310(19):1263–4

Somatostatin. Reichlin S. **N Engl J Med** 1983 Dec 15; 309(24):1495–501 (93 ref.)

Somatostatin (second of two parts). Reichlin S. **N Engl J Med** 1983 Dec 22;309(25):1556–63 (57 ref.)

Somatostatin inhibits the isoproterenol-stimulated adenylate cyclase in the intermediate lobe of the male rat pituitary gland. Correa FM, et al. **Neuroendocrinology** 1983 Oct; 37(4):284–7

Somatostatinergic projections from the central nucleus of the amygdala to the vagal nuclei. Higgins GA, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):657–62

Evidence for a role of somatostatin in lipid metabolism of liver and adipose tissue. Catalán RE, et al. **Regul Pept** 1984 Mar;8(2):147–59

Somatostatin—physiological and pathophysiological aspects. Schusdziarra V. **Scand J Gastroenterol [Suppl]** 1983; 82:69–84 (179 ref.)

[Histamine, somatostatin, enkephalins and gastric acid secretion] De Graef J, et al. **Rev Med Brux** 1984 May; 5(5):347–51 (15 ref.) (Eng. Abstr.) **(Fre)**

SECRETION

Glucose-induced somatostatin secretion by the rat pancreas is not potentiated by glucose. Gerber PP, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):534–8

Effect of vitamin D3 on the pancreatic secretion of insulin and somatostatin. Tanaka Y, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):528–33

Evidence of a cholinergic, pH dependent, vagally mediated release of antral somatostatin. Aliño SF, et al. **Acta Physiol Scand [Suppl]** 1983;515:21–7

Autonomic nervous control of pancreatic somatostatin secretion. Holst JJ, et al. **Am J Physiol** 1983 Dec; 245(6):E542–8

A dual role of calcium in release of somatostatin from canine gastric antral mucosa. Pittenger G, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E361–8

In vivo stimulation of pancreatic hormone secretion by norepinephrine infusion in the dog. Ribes G, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E339–43

Somatostatin, glucagon, and insulin secretion from perfused pancreas of BB rats. Ruggere MD, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E221–7

Effects of PHI on hormonal secretion from perfused rat pancreas. Szecówka J, et al. **Am J Physiol** 1983 Oct; 245(4):E313–7

Somatostatin release from cerebral cortical cells: influence of amino acid neurotransmitters. Robbins RJ, et al. **Brain Res** 1983 Aug 29;273(2):374–8

Studies on the origin and release of somatostatin-immunoreactivity in the nucleus of the solitary tract. Helke CJ. **Brain Res Bull** 1984 Jan;12(1):51–5

Enkephalinergic control of somatostatin secretion from the perfused rat stomach. McIntosh CH, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):657–63

Dissociation of glucose stimulation of somatostatin and insulin release from glucose inhibition of glucagon release in the isolated perfused rat pancreas. Sorenson RL, et al. **Diabetes** 1983 Jun;32(6 Pt 1):561–7

A temporal study of somatostatin secretion and its inhibitory effect in genetically diabetic mice (C57BL/KsJ-db/db). Basabe JC, et al. **Endocrinology** 1983 Dec;113(6):1927–34

Somatostatin and calcitonin release from perfused dog thyrcid lobes. Studies with calcium and pentagastrin. Laurberg P. **Endocrinology** 1984 Jun;114(6):2234–41

Neural control of pancreatic insulin and somatostatin secretion. Roy MW, et al. **Endocrinology** 1984 Aug; 115(2):770–5

Changes in insulin, somatostatin, and glucagon secretion during the development of obesity in ventromedial hypothalamic-lesioned rats. Seino Y, et al. **Endocrinology** 1984 Feb;114(2):457–61

The effect of five days calcium chloride treatment on the somatostatin cells of the antral mucosa in white rats. Ivić M, et al. **Exp Clin Endocrinol** 1984 May;83(3):349–52

Effect of cysteamine on secretion of gastrin and somatostatin from the rat stomach. McIntosh C, et al. **Gastroenterology** 1984 May;86(5 Pt 1):834–8

Effects of vasoactive intestinal peptide and secretin on gastrin and somatostatin secretion in the perfused rat stomach. Saffouri B, et al. **Gastroenterology** 1984 May;86(5 Pt 1):839–42

Stimulation of gastrin secretion in vitro by intraluminal chemicals: regulation by intramural cholinergic and noncholinergic neurons. Saffouri B, et al. **Gastroenterology** 1984 Sep;87(3):557–61

Effects of carbachol on gastrin and somatostatin release in rat antral tissue culture. Wolfe MM, et al. **Gastroenterology** 1984 Jul;87(1):86–93

Differential secretion of glucagon-like and somatostatin-like immunoreactivity from the perfused eel pancreas in response to D-glucose. Ince BW, et al. **Gen Comp Endocrinol** 1984 Mar;53(3):389–97

Islets-activating protein from Bordetella pertussis: enhancement of pancreatic somatostatin release. Seino Y, et al. **Horm Metab Res** 1983 Nov;15(11):563–4

Starvation-induced secretory changes of insulin, somatostatin, and glucagon and their modification by 2-bromostearate. Tamarit-Rodriguez J, et al. **Horm Metab Res** 1984 Mar;16(3):115–9

Characteristics of release pattern of somatostatin and glucagon of pancreatic islets cultured in glucose and adenosine. Yoshioka M, et al. **Horm Metab Res** 1983 Aug; 15(8):405–7

Pancreatic and gut hormones during fasting: insulin, glucagon, and somatostatin. Trent DF, et al. **Horm Res** 1984;19(2):70–6

A stimulating effect of glucose on somatostatin release is impaired in noninsulin-dependent diabetes mellitus. Grill

V, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):293–7
Evidence for selective release of somatostatin–14 and somatostatin–28(1–12) from rat hypothalamus. Bakhit C, et al. **J Neurosci** 1984 Feb;4(2):411–9
Glucose–induced changes in somatostatin–14 and somatostatin–28 released from rat hypothalamic fragments 'in vitro'. Lengyel AM, et al. **Life Sci** 1984 Aug 13; 35(7):713–9
Effects of dissociation and culture on the maintenance of insulin, glucagon and somatostatin release by neonatal rat islets of Langerhans. Schwizer RW. **Life Sci** 1984 Aug 13; 35(7):783–8
Somatostatin, glucagon, and insulin secretion from isolated perfused pancreas of new genetically obese hyperglycemic rats. Seino Y, et al. **Metabolism** 1984 May;33(5):429–31
Glucose modulation of somatostatin and LHRH release from rat hypothalamic fragments in vitro. Lengyel AM, et al. **Neuroendocrinology** 1984 Jul;39(1):31–8
Characterisation of somatostatin and TRH release by rat hypothalamic and cerebral cortical neurons maintained on a capillary membrane perfusion system. Scanlon MF, et al. **Neuroendocrinology** 1983 Oct;37(4):269–74
Involvement of hypothalamic somatostatin in glucagon–induced suppression of growth hormone secretion in conscious rats. Katakami H, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):849–52
Effect of naloxone on pancreatic and gastric endocrine function in response to carbohydrate and fat–rich test meals. Schusdziarra V, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):65–71
Modulation of acetylcholine–induced secretion of gastric bombesin–like immunoreactivity by cholinergic and histamine H2–receptors, somatostatin and intragastric pH. Schusdziarra V, et al. **Regul Pept** 1984 Apr;8(3):189–98
Evidence for a role of endogenous opiates in postprandial somatostatin release. Schusdziarra V, et al. **Regul Pept** 1983 Aug;6(4):355–61
Effects of prostaglandin E2 and D2 on gastric somatostatin and gastrin secretion. Takemura J, et al. **Regul Pept** 1983 Aug;6(4):379–84
Insulin, C–peptide, glucagon, and somatostatin secretion in segmental pancreatic autotransplantation. Fallucca F, et al. **Transplant Proc** 1984 Jun;16(3):741–4
[Effects of cysteamine on canine splanchnic D–cells] Kawai K. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):962–72 (Eng. Abstr.) **(Jpn)**
[Gastric endocrine cells containing endorphin, gastrin and somatostatin in duodenal ulcer] Aruin LI, et al. **Arkh Patol** 1984;46(6):15–20 (Eng. Abstr.) **(Rus)**
[Tumor secretion of somatostatin. Experience in 2 cases] Webb S, et al. **Med Clin (Barc)** 1983 May 21;80(18):783–5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Somatostatin and ranitidine in the control of iatrogenic haemorrhage of the upper gastrointestinal tract. Coraggio F, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):224
Somatostatin in paroxysmal supraventricular and junctional tachycardia. Greco AV, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):28
Do prostaglandins mediate the somatostatin preventive effect on gastric lesion? Aliño SF. **Experientia** 1984 Sep 15; 40(9):974–5
Effect of intravenous somatostatin on stool output in diarrhea due to Vibrio cholerae. Molla AM, et al. **Gastroenterology** 1984 Oct;87(4):845–7
Comparison of intravenous somatostatin and vasopressin infusions in treatment of acute variceal hemorrhage. Kravetz D, et al. **Hepatology** 1984 May–Jun;4(3):442–6
Somatostatin in peptic ulcer bleeding––results of a double–blind controlled trial. Galmiche JP, et al. **Int J Clin Pharmacol Res** 1983;3(5):379–87
Somatostatin in the treatment of severe gastrointestinal bleeding from peptic origin. A multicentric controlled trial. Basile M, et al. **Ital J Surg Sci** 1984;14(1):31–5
Somatostatin and variceal haemorrhage [letter] Jenkins SA, et al. **Lancet** 1984 Mar 24;1(8378):680
Severe diarrhea after colonic pseudo–obstruction: treatment with somatostatin [letter] Mulvihill S, et al. **N Engl J Med** 1984 Feb 16;310(7):467–8
Control of severe diarrhea with somatostatin [letter] René E, et al. **N Engl J Med** 1984 Aug 30;311(9):598–9
Pain relief by somatostatin in attacks of cluster headache. Sicuteri F, et al. **Pain** 1984 Apr;18(4):359–65
The lack of effects of somatostatin on gastric responses induced by electrical vagal stimulation. Cho CH, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):925–7
Beneficial effect of somatostatin on galactosamine induced liver injury. Limberg B, et al. **Regul Pept** 1983 Nov; 7(3):187–93
[Acute and chronic pancreatitis in animal experiments. With special reference to the therapeutic efficacy of somatostatin] Clemens M. **Fortschr Med** 1983 Sep 15; 101(35):1554–62 (Eng. Abstr.) **(Ger)**
[Effect of somatostatin on amylase level and pancreatitis rate following ERCP] Börsch G, et al. **Med Welt** 1984 Jan 27; 35(4):109–12 **(Ger)**
[Somatostatin in pancreas and small intestine fistulas] Jost JO, et al. **Zentralbl Chir** 1984;109(8):527–31 (Eng. Abstr.) **(Ger)**
[Parenteral administration of somatostatin in the treatment of bleeding esophageal varices] Chirletti P, et al. **Ann Ital Chir** 1983;55(1):71–7 (Eng. Abstr.) **(Ita)**
[The use of somatostatin in the treatment of acute pancreatitis (preliminary study of 4 cases)] Butti A, et al. **Chir Patol Sper** 1982 Oct;30(5):181–5 (Eng. Abstr.) **(Ita)**
[Innovation in the therapy of hemorrhages of the upper digestive tract] Bausano G. **Recenti Prog Med** 1983 Aug; 74(8):971–3 **(Ita)**
[An ACTH–secreting pituitary macroadenoma: inhibitory effect of cyproheptadine and somatostatin] Calderón Gualda MD, et al. **Med Clin (Barc)** 1984 Apr 28; 82(16):723–6 (Eng. Abstr.) **(Spa)**

TOXICITY

Sex–related toxicity of somatostatin and its interaction with pentobarbital and strychnine. Caprino L, et al. **Toxicol Lett** 1983 Jun;17(1–2):145–9

SOMATOTROPIN RELEASING HORMONE

Motilin: a novel growth hormone releasing agent. Samson WK, et al. **Brain Res Bull** 1984 Jan;12(1):57–62

ADMINISTRATION & DOSAGE

Stimulation of growth hormone (GH) and somatomedin C in idiopathic GH–deficient subjects by intermittent pulsatile administration of synthetic human pancreatic tumor GH–releasing factor. Borges JL, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):1–6
Intranasal administration of human pancreatic tumor GH–releasing factor–40 stimulates GH release in normal men. Evans WS, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):1081–3

ANALOGS & DERIVATIVES

Super–active analogs of growth hormone–releasing factor (1–29)–amide. Lance VA, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):265–72
Synthesis and in vitro bioactivity of human growth hormone–releasing factor analogs substituted at position–1. Ling N, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):304–10
Studies on peptides. CXVIII. Synthesis of a hybrid growth hormone releasing factor (GRF)–PHI heptacosapeptide amide. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb; 32(2):739–43
Studies on peptides. CXX. Synthesis of growth hormone releasing factor (GRF–37–NH2) and N alpha–biotinyl–GRF–44–NH2. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1200–8

ANALYSIS

Immunocytochemical localization of growth hormone–releasing factor in the rat hypothalamus. Merchenthaler I, et al. **Endocrinology** 1984 Apr; 114(4):1082–5
Immunoreactive growth hormone–releasing factor in human stalk median eminence. Lin HD, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1197–9
Distribution of growth hormone–releasing hormone–like immunoreactivity in human tissue extracts. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):263–8
Localization of GRF–like immunoreactive neurons in the rat brain. Jacobowitz DM, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):521–4
Topographical and ontogenetic study of the neurons producing growth hormone–releasing factor in human hypothalamus. Bloch B, et al. **Regul Pept** 1984 Jan; 8(1):21–31
[Presence of a substance immunologically related to somaliberin extracted from human pancreatic tumor (hpGRF) in neurons of the hypophysiotropic area in the guinea–pig and rat] Tramu G, et al. **C R Seances Acad Sci [III]** 1983;297(8):435–40 (Eng. Abstr.) **(Fre)**
[Human ontogeny of the hypothalamic neuroglandular system immunoreactive to an anti–hpGRF 44 immune serum] Bresson JL, et al. **C R Soc Biol (Paris)** 1983; 177(4):455–63 (Eng. Abstr.) **(Fre)**
[Immunohistochemical studies of the occurrence and localization of somatostatin in the hippocampus formation of Wistar rats] Luppa H, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:385–9 (Eng. Abstr.) **(Ger)**

BLOOD

Somatostatin release and plasma molecular somatostatin components in man. Burhol PG, et al. **Acta Physiol Scand** 1984 Jul;121(3):223–8
Circulating growth hormone releasing factor concentrations in normal subjects and patients with acromegaly. Penny ES, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):453–5
Human pancreatic growth hormone–releasing factor (hpGRF): dose–response of GRF– and GH–levels. Losa M, et al. **Klin Wochenschr** 1983 Dec 15;61(24):1249–53
Clinical value of radioimmunoassay of plasma growth–hormone–releasing factor [letter] Saito H, et al. **Lancet** 1984 Aug 18;2(8399):401–2

CHEMICAL SYNTHESIS

Studies on peptides. CXX. Synthesis of growth hormone releasing factor (GRF–37–NH2) and N alpha–biotinyl–GRF–44–NH2. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1200–8
Studies on peptides. CXIX. Synthesis of growth hormone releasing factor (hpGRF–40–OH). Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1193–9
Solution synthesis of a tetratetracontapeptide amide with growth hormone releasing activity. Yajima H, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1800–2

DIAGNOSTIC USE

Differential diagnosis between hypothalamic and pituitary hGH deficiency with the aid of synthetic GH–RH 1–44. Laron Z, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):9–12
Plasma GH response to hpGRF–44 in normal children of short stature and patients with GH deficiency. Takano K, et al. **Endocrinol Jpn** 1984 Feb;31(1):41–8
Effect of growth hormone (GH)–releasing hormone (GRH) on plasma GH in relation to magnitude and duration of GH deficiency in 26 children and adults with isolated GH deficiency or multiple pituitary hormone deficiencies: evidence for hypothalamic GRH deficiency. Schriock EA, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1043–9
Plasma growth hormone (GH) response to GH–releasing factor in normal children with short stature and patients with pituitary dwarfism. Takano K, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):236–41
Plasma growth hormone responses to constant infusions of human pancreatic growth hormone releasing factor. Intermittent secretion or response attenuation. Webb CB, et al. **J Clin Invest** 1984 Jul;74(1):96–103
Hypothalamic releasing factors for ACTH and growth hormone: two newly discovered peptides with a promising future in clinical medicine. Ontjes DA, et al. **NC Med J** 1984 Jan;45(1):9–13 (24 ref.)
Synthetic hpGRF 1–40 stimulates growth hormone and inhibits prolactin secretion in normal children and children with isolated growth hormone deficiency. Pintor C, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):929–33
[Somatocrinin (GRF) stimulates the liberation of biologically active somatotropin (GH) in adult man] Sassolas G, et al. **C R Seances Acad Sci [III]** 1983;296(23):1113–6 (Eng. Abstr.) **(Fre)**

GENETICS

Expression–cloning and sequence of a cDNA encoding human growth hormone–releasing factor. Mayo KE, et al. **Nature** 1983 Nov 3–9;306(5938):86–8

IMMUNOLOGY

Immunocytochemical demonstration of a novel peptidergic neurone system in the cat brain with an anti–growth hormone–releasing factor serum. Bugnon C, et al. **Neurosci Lett** 1983 Jul 29;38(2):131–7

ISOLATION & PURIFICATION

Isolation and characterization of the porcine hypothalamic growth hormone releasing factor. Böhlen P, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):726–34
Isolation and characterization of the bovine hypothalamic growth hormone releasing factor. Esch F, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):772–9
Isolation, primary structure, and synthesis of human hypothalamic somatocrinin: growth hormone–releasing factor. Ling N, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(14):4302–6
Human growth hormone releasing factor and somatostatin from two pancreatic tumors: isolation and characterization. Böhlen P, et al. **Regul Pept** 1983 Aug;6(4):343–53

METABOLISM

Evidence that opiatergic and alpha–adrenergic mechanisms stimulate rat growth hormone release via growth hormone–releasing factor (GRF). Miki N, et al. **Endocrinology** 1984 May;114(5):1950–2
Conformational energy studies and in vitro and in vivo activity data on growth hormone–releasing peptides. Momany FA, et al. **Endocrinology** 1984 May;114(5):1531–6
Metabolic clearance and plasma disappearance rates of human pancreatic tumor growth hormone releasing factor in man. Frohman LA, et al. **J Clin Invest** 1984 May; 73(5):1304–11
Growth hormone–releasing factor: a neuroendocrine perspective. Frohman LA. **J Lab Clin Med** 1984 Jun; 103(6):819–32
Specific depletion of immunoreactive growth hormone–releasing factor by monosodium glutamate in rat median eminence. Bloch B, et al. **Nature** 1984 Jan 19–25; 307(5948):272–3
Ontogeny of the neuroglandular system revealed with HPGRF 44 antibodies in human hypothalamus. Bresson JL, et al. **Neuroendocrinology** 1984 Jul;39(1):68–73
Ultrastructural evidence for endogenous growth hormone–releasing factor–like immunoreactivity in the monkey pituitary gland. Morel G, et al. **Neuroendocrinology** 1984 Feb;38(2):123–33
Growth hormone releasing factor immunoreactivity in rat hypothalamus. Smith RM, et al. **Neuropeptides** 1984 Mar;

4(2):109–15
Somatocrinin receptor coupled with cAMP-dependent protein kinase on anterior pituitary granules. Lewin MJ, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6538–41

PHARMACODYNAMICS

Human pancreatic GRF stimulates phosphatidylinositol labeling in cultured anterior pituitary cells. Canonico PL, et al. **Am J Physiol** 1983 Dec;245(6):E587–90
The effects of long term growth hormone releasing factor (GRF 1–40) administration on growth hormone secretion and synthesis in vitro. Dieguez C, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):111–7
Super-active analogs of growth hormone–releasing factor (1–29)–amide. Lance VA, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):265–72
In vivo biological potency of rat and human growth hormone–releasing factor and fragments of human growth hormone–releasing factor. Wehrenberg WB, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):525–30
Lack of effect of somatostatin on the stimulation of hepatic glycogenolysis by epinephrine in isolated canine hepatocytes. Stevenson RW, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):414–8
Growth hormone releasing factor: comparison of two analogues and demonstration of hypothalamic defect in growth hormone release after radiotherapy. Grossman A, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1785–7
Potential uses of human pancreatic growth hormone–releasing factor 1-44 amide. Belchetz PE, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):201–8
The effect of plasma glucose on the growth hormone response to human pancreatic growth hormone releasing factor in normal subjects. Sharp PS, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):497–501
Pituitary response to growth hormone–releasing factor in diabetes. Failure of glucose-mediated suppression. Press M, et al. **Diabetes** 1984 Aug;33(8):804–6
Growth hormone response to human pancreatic growth hormone releasing factor in cattle. Johke T, et al. **Endocrinol Jpn** 1984 Feb;31(1):55–61
Stimulation of adenosine 3',5'-monophosphate production by growth hormone–releasing factor and its inhibition by somatostatin in anterior pituitary cells in vitro. Bilezikjian LM, et al. **Endocrinology** 1983 Nov;113(5):1726–31
Human pancreatic growth hormone–releasing factor–40 (hpGRF–40) allows stimulation of GH release by TRH. Borges JL, et al. **Endocrinology** 1983 Oct;113(4):1519–21
Noradrenergic modulation of human pancreatic growth hormone–releasing factor (hpGHRF1–44)–induced growth hormone release in conscious male rabbits: involvement of endogenous somatostatin. Chihara K, et al. **Endocrinology** 1984 Apr;114(4):1402–6
Human pancreatic growth hormone–releasing factor stimulates release of growth hormone in conscious unrestrained male rabbits. Chihara K, et al. **Endocrinology** 1983 Dec;113(6):2081–5
Fetal rat somatotropes in vitro: effects of insulin, cortisol, and growth hormone–releasing factor on their differentiation: a light and electron microscopic study. Hemming FJ, et al. **Endocrinology** 1984 Jun;114(6):2107–13
Inhibition by gastrin–releasing peptide of growth hormone (GH) secretion induced by human pancreatic GH–releasing factor in rats. Kabayama Y, et al. **Endocrinology** 1984 Aug; 115(2):649–53
In vivo and in vitro stimulation of growth hormone release in chickens by synthetic human pancreatic growth hormone releasing factor (hpGRFs). Leung FC, et al. **Endocrinology** 1983 Nov;113(5):1913–5
Human pancreatic growth hormone releasing factor (hpGRF–1–40) stimulates GH release in the ovine fetus. Ohmura E, et al. **Endocrinology** 1984 Jan;114(1):299–301
Impaired ability of old male rats to secrete growth hormone in vivo but not in vitro in response to hpGRF(1–44). Sonntag WE, et al. **Endocrinology** 1983 Dec;113(6):2305–7
Presence of an adenylate cyclase dually regulated by somatostatin and human pancreatic growth hormone (GH)–releasing factor in GH–secreting cells. Spada A, et al. **Endocrinology** 1984 Sep;115(3):1203–9
Pituitary growth hormone response in rats during a 24–hour infusion of growth hormone–releasing factor. Wehrenberg WB, et al. **Endocrinology** 1984 May;114(5):1613–6
Growth hormone (GH)–releasing factor does not regulate GH release or GH mRNA levels in GH3 cells. Zeytin FN, et al. **Endocrinology** 1984 Jun;114(6):2054–9
Effects of growth hormone–releasing factor, somatostatin and dopamine on growth hormone and prolactin secretion from cultured ovine pituitary cells. Law GJ, et al. **FEBS Lett** 1984 Jan 23;166(1):189–93
Stimulation of growth hormone secretion in dwarf chickens by thyrotrophin–releasing hormone (TRH) or human pancreatic growth–hormone–releasing factor (hpGRF). Harvey S, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):493–7
Growth hormone response of steers injected with synthetic human pancreatic growth hormone–releasing factors. Moseley WM, et al. **J Anim Sci** 1984 Feb;58(2):430–5
Potency and specificity of a growth hormone–releasing factor in a primate and in vitro. Almeida OF, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):309–12
Dose–response relationships for the effects of growth hormone–releasing factor–(1–44)–NH2 in young adult men and women. Gelato MC, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):197–201
Circulating growth hormone forms after stimulation of pituitary secretion with growth hormone–releasing factor in man. Stolar MW, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):235–9
Human pancreatic tumor growth hormone–releasing factor: dose–response relationships in normal man. Vance ML, et al. **J Clin Endocrinol Metab** 1984 May;58(5):838–44
Human growth hormone–secreting pituitary adenoma cells in long–term culture: effects of dexamethasone and growth hormone releasing factor. Oosterom R, et al. **J Endocrinol** 1984 Mar;100(3):353–60
Human pancreatic growth hormone–releasing factor (hpGRF) stimulates growth hormone release in goldfish. Peter RE, et al. **J Exp Zool** 1984 Jul;231(1):161–3
Human pancreatic growth hormone–releasing factor (hpGRF): dose–response of GRF– and GH–levels. Losa M, et al. **Klin Wochenschr** 1983 Dec 15;61(24):1249–53
Prolactin–lowering effect of growth–hormone–releasing factor in children with growth–hormone deficiency [letter] Pintor C, et al. **Lancet** 1983 Nov 5;2(8358):1088–9
Growth hormone–releasing factor stimulates adenylate cyclase activity in the anterior pituitary gland. Labrie F, et al. **Life Sci** 1983 Nov 28;33(22):2229–33
Dexamethasone is a potent stimulator of growth hormone–releasing factor–induced cyclic AMP accumulation in the adenohypophysis. Michel D, et al. **Life Sci** 1984 Aug 6;35(6):597–602
Synthetic human pancreatic growth hormone releasing factor (GRF) stimulates growth hormone secretion in the domestic fowl (Gallus domesticus). Scanes CG, et al. **Life Sci** 1984 Mar 19;34(12):1127–34
Interactions between growth hormone–releasing factor, prostaglandin E2 and somatostatin on cyclic AMP accumulation in rat adenohypophysial cells in culture. Michel D, et al. **Mol Cell Endocrinol** 1983 Dec; 33(2–3):255–64
The absence of an age–related change in the pituitary response to growth hormone–releasing factor in rats. Wehrenberg WB, et al. **Neuroendocrinology** 1983 Dec; 37(6):463–6
Growth hormone–releasing factor regulates growth hormone mRNA in primary cultures of rat pituitary cells. Gick GG, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1553–5
Growth hormone and prolactin response to thyrotropin releasing hormone and growth hormone releasing factor in the immature turkey. Proudman JA. **Proc Soc Exp Biol Med** 1984 Jan;175(1):79–83
Pituitary response to growth hormone–releasing factor in rats with functional or anatomical lesions of the central nervous system that inhibit endogenous growth hormone secretion. Wehrenberg WB, et al. **Regul Pept** 1984 Jan;8(1):1–8
Growth hormone–releasing factor stimulates pancreatic enzyme secretion. Pandol SJ, et al. **Science** 1984 Jul 20; 225(4659):326–8
[Effect of somatocrinin 1–40 (hpGRF–40) on human prolactinoma] Hui Bon Hoa D, et al. **C R Seances Acad Sci [III]** 1984;298(1):9–12 (Eng. Abstr.) **(Fre)**
[Increase by somatocrinin of a cyclic AMP–dependent protein kinase activity in adenohypophyseal, secretory granules in the hog] Lewin MJ, et al. **C R Seances Acad Sci [III]** 1983;297(3):123–5 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Somatostatin and growth hormone releasing factor: synthesis, location, metabolism and function. Gómez–Pan A, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):469–507 (313 ref.)
Antibodies to growth hormone–releasing factor inhibit somatic growth. Wehrenberg WB, et al. **Endocrinology** 1984 Sep;115(3):1218–20
The interrelationship between the effects of somatostatin and human pancreatic growth hormone–releasing factor on growth hormone release by cultured pituitary tumor cells from patients with acromegaly. Lamberts SW, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):250–4
Age–related changes in plasma growth hormone response to growth hormone–releasing factor in man. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):212–4
Plasma growth hormone response to growth hormone–releasing factor in acromegalic patients. Shibasaki T, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):215–7
Growth hormone releasing factor (hpGRF)–stimulation test in normal controls and acromegalic patients. von Werder K, et al. **J Endocrinol Invest** 1984 Jun;7(3):185–91
Transcriptional regulation of growth hormone gene expression by growth hormone–releasing factor. Barinaga M, et al. **Nature** 1983 Nov 3–9;306(5938):84–5
Ectopic growth hormone–releasing factor stimulates growth hormone secretion in the urethane–anesthetized rat in vivo. Szabo M, et al. **Neuroendocrinology** 1983 Nov;37(5):328–31
Growth hormone releasing factors in the brain and the gut: chemistry, actions, and localization. Arimura A, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:41–4
Interaction between hypothalamic peptides in a superfused pituitary cell system. Vigh S, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:241–7
Growth hormone–releasing factor: chemistry and physiology. Guillemin R, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):407–13

SECRETION

Ectopic secretion of a growth hormone–releasing factor. Report of a case of acromegaly with bronchial carcinoid tumor. Scheithauer BW, et al. **Am J Med** 1984 Apr; 76(4):605–16 (66 ref.)
Somatoliberinoma: morphologic characteristics [letter] Kovacs K, et al. **Arch Pathol Lab Med** 1984 May; 108(5):355–6
Production of immunoreactive pancreatic growth hormone–releasing factor in small cell carcinoma of the lung. Yamaguchi K, et al. **Gann** 1983 Dec;74(6):814–7
A case for hypothalamic acromegaly: a clinicopathological study of six patients with hypothalamic gangliocytomas producing growth hormone–releasing factor. Asa SL, et al. **J Clin Endocrinol Metab** 1984 May;58(5):796–803
Treatment of metastasising GRF–producing tumour with a long–acting somatostatin analogue [letter] von Werder K, et al. **Lancet** 1984 Aug 4;2(8397):282–3
[Acromegaly, clinical expression of the production of growth hormone releasing factor in pancreatic tumors] Sassolas G, et al. **Ann Endocrinol (Paris)** 1983;44(6):347–54 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Growth hormone releasing factor may lower somatotropin demand [news] Ziporyn T. **JAMA** 1984 Sep 14; 252(10):1257–9

SOMATOTYPES

Contemporary state of the doctrine about the constitution and our experience in the somatotypology of man. Kadanoff D, et al. **Acta Biol Hung** 1983;34(2–3):187–91
Fasting and postprandial serum gastrin levels in obese and slim subjects, and the effects of surgical treatment for obesity on serum gastrin levels. Amland PF, et al. **Acta Chir Scand** 1984;150(3):223–8
A developmental study of body recognition in adolescent girls. Collins JK, et al. **Adolescence** 1983 Winter; 18(72):767–74
A simplistic approach to structural dysplasia assessment: description and validation. Battinelli T. **Br J Sports Med** 1984 Mar;18(1):22–5
Somatic findings at age 9 years on three ethnic groups of Nigerian urban and rural boys. Spurgeon JH, et al. **Growth** 1984 Summer;48(2):176–86
The use of phototypes to measure obesity in elderly females. Morris RW, et al. **Int J Obes** 1983;7(5):431–5
The type A behaviour pattern and physique. Kraiuhin C, et al. **J Psychosom Res** 1983;27(6):479–83
Perceptions of female physique characteristics by American and Israeli students. Gitter AG, et al. **J Soc Psychol** 1983 Oct;121(1st Half):7–13
Somatotype of Indian long distance (74 km and 19 km) swimmers of both sexes. De AK, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):319–21
Physique of hockey, Kabaddi, basketball and volleyball players. Kansal DK, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):194–200
Constitutional factors predictive of alcoholism in a follow–up of delinquent boys. Monnelly EP, et al. **J Stud Alcohol** 1983 May;44(3):530–7
The physique of sportsmen: a study using factor analysis. Watson AW. **Med Sci Sports Exerc** 1984 Jun;16(3):287–93
Habitus and eclampsia. Chesley LC. **Obstet Gynecol** 1984 Sep;64(3):315–8
Cross–cultural differences in the perception of female body shapes. Furnham A, et al. **Psychol Med** 1983 Nov; 13(4):829–37
[Value and possibilities of somatotype determination in young athletes] Wutscherk H. **Arztl Jugendkd** 1983 Oct; 74(5):330–44 (Eng. Abstr.) **(Ger)**
[Craniometric studies of the upper jaw as aid in population differentiation] Rottstock F, et al. **Gegenbaurs Morphol Jahrb** 1983;129(5):533–8 (Eng. Abstr.) **(Ger)**
[Normal, maximally normal and ideal body weight: its nature, comparability and prevalence] Zhiugzhda AIu, et al. **Kardiologiia** 1984 Feb;24(2):118–9 **(Rus)**
[Body build and soft tissue malignancies] Kolodchenko VP. **Vopr Onkol** 1983;29(12):56–60 (Eng. Abstr.) **(Rus)**

SOMNAMBULISM

DIAGNOSIS

[Somnambulism] Montplaisir J, et al. **Union Med Can** 1983 Jul;112(7):619–23 (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Incidence of somnambulism in children with migraine (letter)] Giroud M, et al. **Presse Med** 1984 Feb 18;13(7):443 **(Fre)**

FAMILIAL & GENETIC

Sleepwalking and recurrent sleeptalking in children of childhood sleepwalkers. Abe K, et al. **Am J Psychiatry** 1984 Jun;141(6):800–1

SONICATION see under **ULTRASONICS**

SONOGRAPHY, SPEECH see SOUND SPECTROGRAPHY

SORBIC ACID see under FATTY ACIDS, UNSATURATED

SORBITAN DERIVATIVES see POLYSORBATES

SORBITOL

[Action of sorbitol on the hydrolytic polymerization of ferric ions and its effect on the masking action of citric acid] Chen XX, et al. **Yao Hsueh Hsueh Pao** 1983 Apr; 18(4):272–7 (Eng. Abstr.) **(Chi)**

[Results of radiculomyelography with dimer-X following lumbar intervertebral disk operations] Bretschneider T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan; 36(1):18–25 (Eng. Abstr.) **(Ger)**

[Comparison of the results of computer tomography and dimer-X ventriculography in the diagnosis of infratentorial processes] Brachmann J, et al. **Zentralbl Neurochir** 1983; 44(4):307–11 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[Infusion solutions with fructose and sorbitol (letter)] Froesch ER. **Dtsch Med Wochenschr** 1983 Dec 23;108(51–52): 1983 **(Ger)**

[A new method for the determination of iron concentration in urine and its use in intramuscular iron load for the reliable and early detection of iron deficiency conditions] Bernát SI, et al. **Folia Haematol (Leipz)** 1983;110(3):437–46 (Eng. Abstr.) **(Ger)**

[Effect of saccharose and sorbit on indices of carbohydrate metabolism in mixed saliva of patients with diabetes mellitus and dental caries] Petrovich IuA, et al. **Vopr Pitan** 1983 Sep–Oct;(5):28–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Oxalate-induced encephalitic reactions to polyol-containing infusions during intensive care. Peiffer J, et al. **Clin Neuropathol** 1984 Mar–Apr;3(2):76–87

Leads from the MMWR. Outbreak of diarrhea linked to dietetic candies—New Hampshire. **JAMA** 1984 Oct 5; 252(13):1672

Outbreak of diarrhea linked to dietetic candies—New Hampshire. **MMWR** 1984 Sep 7;33(35):494–5

[Acute renal failure after infusion of lipofundin S] Kozyr' VI, et al. **Klin Med (Mosk)** 1984 Apr;62(4):130–2 **(Rus)**

ANALOGS & DERIVATIVES

Double contrast arthrography of the knee. Comparison between three contrast media. Laasonen EM, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):225–9

Possible glucagon-mediated hypocholesterolemic activity of a nicotinic acid derivative (sorbinicate). Uccella R, et al. **Artery** 1983;11(5):400–12

Isosorbide in the management of infantile hydrocephalus. Lorber J, et al. **Dev Med Child Neurol** 1983 Aug; 25(4):502–11

Effect of D-glucitol-hexanicotinate on platelet aggregability in patients with coronary heart disease. Sommariva D, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):265–8

Determination of isosorbide as a metabolite of isosorbide dinitrate in human urine by capillary gas chromatography with electron-capture detection. Sioufi A, et al. **J Chromatogr** 1983 Oct 14;277:157–64

Analysis and microbiological stability of an isosorbide 50% mixture. Brown AF, et al. **J Clin Hosp Pharm** 1983 Dec; 8(4):339–44

[Case demonstration—medial femoral neck fracture after myelography with dimer-X—negligence of the medical obligation to render care?] Müller OK. **Beitr Orthop Traumatol** 1984 Jul;31(7):372–6 (Eng. Abstr.) **(Ger)**

[Side effects and contrast medium resorption of iopamidol and iocarmate in lumbar myelography] Stoeter P, et al. **Computertomographie** 1982 Dec;2(4):179–83 (Eng. Abstr.) **(Ger)**

[Electroroentgenography in a contrast study of the spine and spinal cord] Pustovoitenko VT, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):75–9 (Eng. Abstr.) **(Rus)**

[Myelography in midline hernias of lumbar intervertebral disks] Arashkevich G, et al. **Zh Vopr Neirokhir** 1983 Jul–Aug;(4):45–51 (Eng. Abstr.) **(Rus)**

ANALYSIS

Free inositol, sorbitol and fructose levels in sciatic nerve [letter] Sherman WR, et al. **Diabetologia** 1983 Nov; 25(5):452–3

BLOOD

Determination of sorbitol in erythrocytes of diabetic and healthy subjects by capillary gas chromatography. Popp-Snijders C, et al. **Clin Chim Acta** 1983 Jul 31; 132(1):83–9

Red blood cell sorbitol as an indicator of polyol pathway activity. Inhibition by sorbinil in insulin-dependent diabetic subjects. Malone JI, et al. **Diabetes** 1984 Jan;33(1):45–9

[Determination of erythrocyte sorbitol] Guillemin G, et al. **Ann Biol Clin (Paris)** 1983;41(5):325–30 (Eng. Abstr.) **(Fre)**

METABOLISM

ATP depletion promotes deactivation of insulin-stimulated sugar transport in rat soleus muscle. Kaldawi RE, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):612–7

The repressible metabolism of sorbitol (D-glucitol) by intact cells of the oral plaque-forming bacterium Streptococcus mutans. Slee AM, et al. **Arch Oral Biol** 1983;28(9):839–45

Two mechanisms of 3H-catecholamine accumulation in rabbit aorta media differentiated by sensitivity to temperature and corticosterone. Sweet WD, et al. **Blood Vessels** 1983;20(6):265–82

Glomerular polyol accumulation in diabetes and its prevention by oral sorbinil. Beyer-Mears A, et al. **Diabetes** 1984 Jun;33(6):604–7

Myo-inositol and sorbitol metabolism in relation to peripheral nerve function in experimental diabetes in the rat: the effect of aldose reductase inhibition. Gillon KR, et al. **Diabetologia** 1983 Oct;25(4):365–71

Genetic evidence for glucitol-specific enzyme III, an essential phosphocarrier protein of the Salmonella typhimurium glucitol phosphotransferase system. Sarno MV, et al. **J Bacteriol** 1984 Mar;157(3):953–5

The fermentation of sucrose, sorbitol, and xylitol by Propionibacterium avidum, resulting in the formation of caries-like lesions in enamel. Gallagher IH, et al. **NZ Dent J** 1983 Jul;79(357):75–9

Effects of xylitol on the acid production activity from sorbitol by Streptococcus mutans and human dental plaque. Sasaki N, et al. **Swed Dent J** 1983;7(4):153–60

[Sorbitol pathway of glucose metabolism in streptozotocin diabetes of varying duration and severity] Efimov AS, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):71–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of sucrose phosphate and sorbitol on infectivity of enveloped viruses during storage. Howell CL, et al. **J Clin Microbiol** 1983 Sep;18(3):658–62

Effects of ethanol and sorbitol on mixed-function oxidation in perfused rat livers. Reinke LA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:289–94

Pulmonary hydrogen and methane and plasma ammonia after the administration of lactulose or sorbitol. Beaven J, et al. **Scand J Gastroenterol** 1983 May;18(3):343–7

[Effect of sorbitol and saccharose on glycolysis in the mixed saliva of persons with intact teeth and caries lesions] Borovskii EV, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):27–30 (Eng. Abstr.) **(Rus)**

STANDARDS

[Effects of Kirsch's solution on myocardial protection] Izumi S. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2049–56 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Treatment of experimental metabolic alkalosis by sorbamine] Smirnova IL, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):152–5 (Eng. Abstr.) **(Rus)**

SORBOSE

METABOLISM

L-Sorbose metabolism in Klebsiella pneumoniae and Sor+ derivatives of Escherichia coli K-12 and chemotaxis toward sorbose. Sprenger GA, et al. **J Bacteriol** 1984 Jan; 157(1):39–45

SORE THROAT see PHARYNGITIS

SOTALOL

Distribution coefficients of atenolol and sotalol. Taylor PJ, et al. **J Pharm Pharmacol** 1984 Feb;36(2):118–9

ADMINISTRATION & DOSAGE

Electrophysiologic testing in assessment of therapy with sotalol for sustained ventricular tachycardia. Senges J, et al. **Circulation** 1984 Mar;69(3):577–84

Reserpine plus hydrochlorothiazide and sotalol plus hydrochlorothiazide in Black and Indian hypertensive patients. Seedat YK, et al. **S Afr Med J** 1984 Jun 9; 65(23):915–7

The effects of two combinations of a beta-blocker and a diuretic on diuresis in normal subjects. Sommers DK, et al. **S Afr Med J** 1984 Mar 3;65(9):336–8

ADVERSE EFFECTS

Sotalol-induced torsade de pointes. Kuck KH, et al. **Am Heart J** 1984 Jan;107(1):179–80

Sotalol, hypokalaemia, syncope, and torsade de pointes [letter] Antonaccio MJ, et al. **Br Heart J** 1984 Sep; 52(3):358–9

Sotalol, hypokalaemia, syncope, and torsade de pointes. McKibbin JK, et al. **Br Heart J** 1984 Feb;51(2):157–62

Sotalol-induced torsade de pointes. Rakovec P, et al. **Cathet Cardiovasc Diagn** 1984;10(2):167–70

PHARMACODYNAMICS

Clinical electrophysiology of intravenous sotalol, a beta-blocking drug with class III antiarrhythmic properties. Touboul P, et al. **Am Heart J** 1984 May;107(5 Pt 1):888–95

Efficacy of intravenous sotalol on ventricular arrhythmias occurring during maximal exercise stress testing. Stroobandt R, et al. **Arch Int Pharmacodyn Ther** 1983 Aug; 264(2):290–7

Alpha-receptor mediated inhibition of A2 noradrenergic neurons. Moore SD, et al. **Brain Res** 1983 Oct 3; 276(1):188–91

Effects of sotalol on arrhythmias and electrophysiology during myocardial ischaemia and reperfusion. Culling W, et al. **Cardiovasc Res** 1984 Jul;18(7):397–404

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs. Gross GJ, et al. **Circulation** 1984 Feb;69(2):391–9

Sotalol and pacing induced angina. Raju PK, et al. **J Assoc Physicians India** 1983 Jul;31(7):417–20

Effects of beta-receptor blockers in pharmacology EEG. Eschmann G, et al. **Neuropsychobiology** 1983;10(2–3):190–2

POISONING

Torsade de pointes [letter] Allberry RA. **Anaesthesia** 1983 Sep;38(9):910

THERAPEUTIC USE

Replacement of amiodarone by sotalol for repetitive ventricular premature beats. Burckhardt D, et al. **Am Heart J** 1984 Jan;107(1):167–8

Differential effects of sotalol and metoprolol on induction of paroxysmal supraventricular tachycardia. Rizos I, et al. **Am J Cardiol** 1984 Apr 1;53(8):1022–7

Action of sotalol on potential reentrant pathways and ventricular tachyarrhythmias in conscious dogs in the late postmyocardial infarction phase. Cobbe SM, et al. **Circulation** 1983 Oct;68(4):865–71

Therapeutic and metabolic effects of sotalol. Frisk Holmberg M, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):174–82

Antiarrhythmic and antifibrillatory actions of the beta adrenergic receptor antagonist, dl-sotalol. Patterson E, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):519–26

[Phase IV study of an adrenergic beta-blocker] Duchéne-Marullaz P. **Therapie** 1983 Jul–Aug;38(4):363–70 (Eng. Abstr.) **(Fre)**

[Hypotensive effect of sotalol under basic conditions and during exercise. Clinical cases] Gamna G, et al. **Minerva Med** 1983 Oct 20;74(40):2389–93 (Eng. Abstr.) **(Ita)**

SOTERENOL see under ETHANOLAMINES

SOUND

see related
ACOUSTIC STIMULATION
NOISE

Fetal heart rate response to controlled sound stimuli during the third trimester of normal pregnancy. Jensen OH. **Acta Obstet Gynecol Scand** 1984;63(3):193–7

Fetal heart rate response to a controlled sound stimulus after propranolol administration to the mother. Jensen OH. **Acta Obstet Gynecol Scand** 1984;63(3):199–202

Mechanical vibration and sound levels experienced in neonatal transport. Campbell AN, et al. **Am J Dis Child** 1984 Oct;138(10):967–70

The temperature-dependent emission of low frequency sound by motile cultures of the ciliate Tetrahymena thermophilia. Hill RJ. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):190–5

The speed of sound in DNA. Hakim MB, et al. **Biopolymers** 1984 Jul;23(7):1185–92

Sound field audiometry: recommended stimuli and procedures. Walker G, et al. **Ear Hear** 1984 Jan–Feb; 5(1):13–21

Phonographic relationship between pitch and intensity of the human voice. Komiyama S, et al. **Folia Phoniatr (Basel)** 1984;36(1):1–7

Sound spectrographic analysis of the voice of patients with glottic carcinomas. Yoon KM, et al. **Folia Phoniatr (Basel)** 1984;36(1):24–30

The alteration of the vibration of the basilar membrane produced by loud sound. Patuzzi R, et al. **Hear Res** 1984 Jan;13(1):99–100

Sound recording in the small TV studio. Johnson AP. **J Audiov Media Med** 1983 Oct;6(4):131–4

An analysis of temporomandibular joint sounds. Watt DM, et al. **J Dent** 1983 Dec;11(4):346–55

Sound as a reinforcer for infants' manipulations of toys. Rosenberg RA, et al. **J Speech Hear Disord** 1982 Aug; 47(3):292–5

Sound emission from the ear triggered by single molecules? Wit HP, et al. **Neurosci Lett** 1983 Oct 10;40(3):275–80

Muscle sounds. Oster G. **Sci Am** 1984 Mar;250(3):108–14

The amateur scientist. People listening to a bell can perceive sounds the bell does not really make. Walker J. **Sci Am** 1984 Jul;251(1):132–7

[Studies of pre- and post-prandial abdominal sounds using an electronic analyzer] Hansen WE, et al.

Z Gastroenterol 1984 Feb;22(2):88–93 (Eng. Abstr.) (Ger)

[Sound pressure isopotential levels for the microphonic potential of the internal ear] Tokarev OP, et al. Fiziol Zh SSSR 1984 Mar;70(3):306–10 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Myocardial ischemia in rats exposed to infrasound] Alekseev SV, et al. Gig Tr Prof Zabol 1983 Aug;(8):34–8 (Eng. Abstr.) (Rus)

[Mechanism of the effect of infrasound on the body of animals and man (review of the literature)] Alekseev SV, et al. Gig Tr Prof Zabol 1983 Sep;(9):35–7 (36 ref.) (Rus)

DIAGNOSTIC USE

Fetal heart rate response to sound stimulation after pethidine injection in the mother. Jensen OH. Acta Obstet Gynecol Scand 1984;63(1):1–5

Noninvasive method for detecting laryngeal narrowing with low-frequency sound. Sekizawa K, et al. J Appl Physiol 1983 Aug;55(2):591–7

Noninvasive detection of intracranial vascular lesions using an electronic stethoscope. Sekhar LN, et al. J Neurosurg 1984 Mar;60(3):553–9

[Use of measured sound exposure for assessing the intrauterine status of the fetus] Allamazian EK. Akush Ginekol (Mosk) 1984 Jun;(6):44–6 (Eng. Abstr.) (Rus)

[Sonic method of evaluating disorders of regional ventilation of the lungs in children with surgical forms of chronic bronchopulmonary pathology] Sergeev VM, et al. Grudn Khir 1983 Sep–Oct;(5):20–6 (Eng. Abstr.) (Rus)

SOUND LOCALIZATION see under AUDITORY PERCEPTION

SOUND SPECTROGRAPHY

Acoustic analysis strategies for the refinement of phonological analysis. Weismer G. ASHA Monogr 1984 May;(22):30–52

Sound spectrographic analysis of the voice of patients with glottic carcinomas. Yoon KM, et al. Folia Phoniatr (Basel) 1984;36(1):24–30

Sonography (sound spectrography) as a measurement of larynx spasm in severe adenovirus infection and pertussis in infants. Peltola H, et al. Infection 1984 Mar–Apr; 12(2):102–3

Spectral analysis of sung vowels. I. Variation due to differences between vowels, singers, and modes of singing. Bloothooft G, et al. J Acoust Soc Am 1984 Apr; 75(4):1259–64

Recognition of speech spectrograms. Greene BG, et al. J Acoust Soc Am 1984 Jul;76(1):32–43

Analysis of stutterers' voice onset times and fundamental frequency contours during fluency. Healey EC, et al. J Speech Hear Res 1984 Jun;27(2):219–25

Formant-frequency differences between isolated whispered and phonated vowel samples produced by adult female subjects. Kallail KJ, et al. J Speech Hear Res 1984 Jun; 27(2):245–51

Spectral and perceptual evidence for CV coarticulation in devoiced /si/ and /syu/ in Japanese. Beckman M, et al. Phonetica 1984;41(2):61–71

[Sonographic analysis of painful crying of newborn infants and children with low birth weights during hyperbilirubinemia and hypoxic ischemic encephalopathy] Nekvasil R, et al. Cesk Pediatr 1983 Jul;38(7):397–401 (Eng. Abstr.) (Cze)

INSTRUMENTATION

Microprocessor-based speech processing system. Guillemin BJ, et al. J Speech Hear Res 1984 Jun;27(2):311–7

An accelerometric measure as a physical correlate of perceived hypernasality in speech. Horii Y. J Speech Hear Res 1983 Sep;26(3):476–80

Automatic analysis of voice fundamental frequency and intensity using a visi-pitch. Horii Y. J Speech Hear Res 1983 Sep;26(3):467–71

Auditory and visual feedback of nasalization using a modified accelerometric method. Horii Y, et al. J Speech Hear Res 1983 Sep;26(3):472–5

[Dynamic palatography for the soft palate] Ohira A. Kokubyo Gakkai Zasshi 1983 Dec;50(4):653 (Jpn)

METHODS

Directional perturbation factors for jitter and for shimmer. Sorensen D, et al. J Commun Disord 1984 Jun;17(3):143–51

Laboratory investigation of the abnormal voice. Briant TD, et al. J Otolaryngol 1983 Oct;12(5):285–90

Harmonics-to-noise ratio and psychophysical measurement of the degree of hoarseness. Yumoto E, et al. J Speech Hear Res 1984 Mar;27(1):2–6

SOY BEANS

The effect of a L-carnitine supplemented soybean formula on the plasma lipids of infants. Novak M, et al. Acta Chir Scand [Suppl] 1983;517:149–55

Non-hydrolysed and hydrolysed soy protein. A human immunological study. Taudorf E, et al. Allergy 1984 Apr; 39(3):203–9

Dietary soybean protein and serum cholesterol [letter] Beynen AC, et al. Am J Clin Nutr 1984 May;39(5):840–1

Turnover of very low-density lipoprotein-apoprotein B is increased by substitution of soybean protein for meat and dairy protein in the diets of hypercholesterolemic men. Huff MW, et al. Am J Clin Nutr 1984 Jun;39(6):888–97

Hypocholesterolemic effect of dietary soy protein versus casein in rhesus monkeys (Macaca mulatta). Terpstra AH, et al. Am J Clin Nutr 1984 Jan;39(1):1–7

Evaluation of the protein quality of an isolated soy protein in young men: relative nitrogen requirements and effect of methionine supplementation. Young VR, et al. Am J Clin Nutr 1984 Jan;39(1):16–24

A long-term metabolic balance study in young men to assess the nutritional quality of an isolated soy protein and beef proteins. Young VR, et al. Am J Clin Nutr 1984 Jan; 39(1):8–15

The substitution of soybean meal for urea: the effect on the ammonia content of the rumen fluid, the N flow in the duodenum, the nitrogen and energy balances and the milk production. Teller E, et al. Arch Tierernahr 1984 Apr; 34(4):286–94

The effect of dietary casein and soy protein on cholesterol and very low density lipoprotein metabolism in the rat. Cohn JS, et al. Atherosclerosis 1984 Aug;52(2):219–31

Effects of soyasaponin on experimental disseminated intravascular coagulation. I. Kubo M, et al. Chem Pharm Bull (Tokyo) 1984 Apr;32(4):1467–71

Performance and digestion by calves from limestone added to milk replacers containing soy protein concentrate. Campos OF, et al. J Dairy Sci 1983 Nov;66(11):2365–72

Lack of an effect of dairy protein (casein) and soy protein on plasma cholesterol of strict vegetarians. An experiment and a critical review. Sacks FM, et al. J Lipid Res 1983 Aug;24(8):1012–20

Uncomplicated selenium deficiency produced in chicks fed a corn-soy-based diet. Combs GF Jr, et al. J Nutr 1984 May;114(5):964–76

An evaluation of the nutritional value of a soy protein concentrate in young adult men using the short-term N-balance method. Istfan N, et al. J Nutr 1983 Dec; 113(12):2516–23

The nutritional value of a soy protein concentrate (STAPRO-3200) for long-term protein nutritional maintenance in young men. Istfan N, et al. J Nutr 1983 Dec;113(12):2524–34

Bioavailability of zinc to rats from defatted soy flour, acid-precipitated soy concentrate and neutralized soy concentrate as determined by intrinsic and extrinsic labeling techniques. Ketelsen SM, et al. J Nutr 1984 Mar; 114(3):536–42

Nitrogen balance response in young men given one of two isolated soy proteins or milk proteins. Scrimshaw NS, et al. J Nutr 1983 Dec;113(12):2492–7

Nitrogen balance studies in young men to assess the protein quality of an isolated soy protein in relation to meat proteins. Wayler A, et al. J Nutr 1983 Dec;113(12):2485–91

Effect of soybean protein on coprostanol production and cholesterol metabolism in cholesterol-fed rats. Tanaka C, et al. J Nutr Sci Vitaminol (Tokyo) 1983 Aug;29(4):447–54

Complementary effect of cholecystokinin-octapeptide and soy flour treatment in chronic pancreatitis. Pap A, et al. Mt Sinai J Med (NY) 1984 Jun;51(3):254–7

Beneficial effect of a soy flour diet in chronic pancreatitis. Pap A, et al. Mt Sinai J Med (NY) 1983 May-Jun; 50(3):208–12

Production of aflatoxins on soybean and cottonseed meals. Hensarling TP, et al. Mycopathologia 1983 Nov 21; 83(2):125–7

Effect of soya consumption on hepatic monooxygenase enzyme system and some lipid parameters in rats. Antal M, et al. Nahrung 1984;28(3):309–18

[Quantitative determination of soyasaponins in soybeans of various origins and soybean products by means of high performance liquid chromatography] Kitagawa I, et al. Yakugaku Zasshi 1984 Mar;104(3):275–9 (Jpn)

[Effect of different protein levels on the nutritive value of mixed diets with increased content of soy bean protein. I. Results of studies on the development of laboratory rats] Czarnowska-Misztal E, et al. Rocz Panstw Zakl Hig 1983; 34(2):127–34 (Eng. Abstr.) (Pol)

[Effect of different protein levels on the nutritive value of mixed diets with higher amount of soy bean protein. II. Results of the studies on protein utilization] Czarnowska-Misztal E, et al. Rocz Panstw Zakl Hig 1983; 34(3):239–44 (Eng. Abstr.) (Pol)

[Effect of different protein levels on the nutritive value of mixed diets with higher amount of soy bean protein. III. Free amino acid levels in the serum and muscles of experimental animals] Kunachowicz H, et al. Rocz Panstw Zakl Hig 1983;34(3):245–50 (Eng. Abstr.) (Pol)

[Whole soy bean flour: use of a methodology of response surface for the study of nutritional aspects] Buassi N, et al. Arch Latinoam Nutr 1983 Sep;33(3):557–72 (Eng. Abstr.) (Por)

[Soy beans as an alternative in infant nutrition in a community of northeastern Brazil] Costa Cedraz LM, et al. Arch Latinoam Nutr 1983 Dec;33(4):861–73 (Eng. Abstr.) (Por)

[Enteral feeding in surgery — comparative study of 3 different diets] Faintuch J, et al. Rev Hosp Clin Fac Med Sao Paulo 1983 Jun;38(3):121–5 (Eng. Abstr.) (Por)

[Trypsin inhibitors in soy bean-based food: critical review of thermal destruction kinetics, and analytical methods] Cuevas R, et al. Arch Latinoam Nutr 1983 Dec;33(4):902–31 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Nonsteroidal estrogens of dietary origin: possible roles in hormone-dependent disease. Setchell KD, et al. Am J Clin Nutr 1984 Sep;40(3):569–78 (69 ref.)

Soy milk feeding and the immune system [letter] Zoppi G. Lancet 1983 Oct 8;2(8354):861

Soy formula [letter] Mofenson HC. Pediatrics 1984 May; 73(5):741

ANALYSIS

Molecular species of plant phosphatidylinositol with selective cytotoxicity towards tumor cells. Myher JJ, et al. Biochim Biophys Acta 1984 Aug 15;795(1):85–90

Histologic detection of cardiac musculature, soy flour, and partially defatted tissue in ground beef: interlaboratory study. Carey AM, et al. J Assoc Off Anal Chem 1984 Jan–Feb;67(1):16–9

Dieldrin, heptachlor, and chlordane residues in soybeans in Illinois 1974, 1980. MacMonegle CW Jr, et al. J Environ Sci Health [B] 1984 Feb;19(1):39–48

Stereospecific analysis of triglycerides of Glycine max, Glycine soya, Avena sativa and Avena sterilis strains. Pan WP, et al. Lipids 1983 Dec;18(12):882–8

Soybean trypsin inhibitors: interactions in humans. Flavin DF. Vet Hum Toxicol 1984 Feb;26(1):36–7

[Characterization of saponin constituents in soybeans of various origins and quantitative analysis of soyasaponins by gas-liquid chromatography] Kitagawa I, et al. Yakugaku Zasshi 1984 Feb;104(2):162–8 (Eng. Abstr.) (Jpn)

[Effect of the qualitative characteristics of food products undergoing heat treatment in soybean oil on its tocopherol content] Kim DH. Vopr Pitan 1983 Jul-Aug;(4):68–70 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Ferric leghemoglobin reductase from soybean root nodules. Saari LL, et al. Arch Biochem Biophys 1984 May 15; 231(1):102–13

New aspects of the inhibition of soybean lipoxygenase by alpha-tocopherol. Evidence for the existence of a specific complex. Grossman S, et al. Int J Biochem 1984;16(3):281–9

Some properties of amine oxidase from soybean seedlings. Matsumoto T, et al. Nagoya J Med Sci 1984 Mar; 46(1–4):87–94

GENETICS

Molecular characterization of a deletion mutation affecting the alpha'-subunit of beta-conglycinin of soybean. Ladin BF, et al. J Mol Appl Genet 1984;2(4):372–80

A novel soybean mitochondrial transcript resulting from a DNA rearrangement involving the 5S rRNA gene. Morgens PH, et al. Nucleic Acids Res 1984 Jul 25; 12(14):5665–84

IMMUNOLOGY

Milk and soybean protein allergy. Visakorpi JK. J Pediatr Gastroenterol Nutr 1983;2 Suppl 1(Suppl 1):S293–7

METABOLISM

Phytoalexin synthesis in soybean cells: elicitor induction of phenylalanine ammonia-lyase and chalcone synthase mRNAs and correlation with phytoalexin accumulation. Ebel J, et al. Arch Biochem Biophys 1984 Jul;232(1):240–8

Inhibition of processing of plant N-linked oligosaccharides by castanospermine. Hori H, et al. Arch Biochem Biophys 1984 Feb 1;228(2):525–33

Uranium effects on the growth of soybean (Glycine max (L.) Merr.). Murthy TC, et al. Bull Environ Contam Toxicol 1984 May;32(5):580–6

Induction of phytoalexin synthesis in soybean. Stereospecific 3,9-dihydroxypterocarpan 6a-hydroxylase from elicitor-induced soybean cell cultures. Hagmann ML, et al. Eur J Biochem 1984 Jul 2;142(1):127–31

Soya—a dietary source of the non-steroidal oestrogen equol in man and animals. Axelson M, et al. J Endocrinol 1984 Jul;102(1):49–56

Bioavailability of iron to rats from processed soybean fractions determined by intrinsic and extrinsic labeling techniques. Weaver CM, et al. J Nutr 1984 Jun; 114(6):1042–8

Radiolabeled iron in soybeans: intrinsic labeling and bioavailability of iron to rats from defatted flour. Weaver CM, et al. J Nutr 1984 Jun;114(6):1035–41

MICROBIOLOGY

Role of rhizobitoxine in protecting soybean roots from Macrophomina phaseolina infection. Chakraborty U, et al. Can J Microbiol 1984 Mar;30(3):285–9

Immunohistochemical detection of Phytophthora megasperma f. sp. glycinea in situ. Moesta P, et al. **Eur J Cell Biol** 1983 Jul;31(1):167–9

TOXICITY

Accentuated response to raw soya-bean meal by meal feeding. Nitsan Z, et al. **Arch Toxicol [Suppl]** 1983;6:177–81

SPACE FLIGHT

see related
EXTRATERRESTRIAL ENVIRONMENT
SEALED CABIN ECOLOGY
WEIGHTLESSNESS

Results of space experiment program 'Interferon'. II. Influence of spaceflight conditions on the activity of interferon preparations and interferon inducers ('Interferon II'). Tálas M, et al. **Acta Microbiol Hung** 1983;30(1):63–7

Results of space experiment program 'Interferon'. I. Production of interferon in vitro by human lymphocytes aboard space laboratory Solyut-6 ('Interferon I') and influence of space flight on lymphocyte functions of cosmonauts ('Interferon III'). Tálas M, et al. **Acta Microbiol Hung** 1983;30(1):53–61

Effect of weightlessness on the function of rat skeletal muscles on the biosatellite 'Cosmos-1129'. Rapcsák M, et al. **Acta Physiol Hung** 1983;62(3–4):225–8

Effect of weightlessness on myofibrillar proteins of rat skeletal muscles with different functions in experiment of biosatellite 'Cosmos-1129'. Takács O, et al. **Acta Physiol Hung** 1983;62(3–4):229–33

Quantitation of tissue loss during prolonged space flight. Leonard JI, et al. **Am J Clin Nutr** 1983 Nov;38(5):667–79

More on psychiatry and space flight [letter] Jones DR. **Am J Psychiatry** 1984 Jul;141(7):918

Psychiatry and long-duration space missions [letter] Kanas N, et al. **Am J Psychiatry** 1984 May;141(5):722

Background and development of the space project on 'aggregation of red cells'. Dintenfass L. **Australas Phys Eng Sci Med** 1983 Oct–Dec;6(4):156–65

US/USSR space biology and medicine. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S1–72

Cardiovascular examinations and observations of deconditioning during the space shuttle orbital flight test program. Bungo MW, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1001–4

Future thrusts in life sciences experimentation in space. Dietlein LF, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S6–8

Acute physiological responses of squirrel monkeys exposed to hyperdynamic environments. Fuller CA. **Aviat Space Environ Med** 1984 Mar;55(3): 226–30

Investigations in outer space conducted in the USSR during 1982. Gazenko OG. **Aviat Space Environ Med** 1983 Oct; 54(10):949–51

Man in space: an overview. Gazenko OG. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S3–5

Investigations on biosatellites of the Cosmos series. Ilyin EA. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S9–15

The evolution and present status of mental health standards for selection of USAF candidates for space missions. Jones DR, et al. **Aviat Space Environ Med** 1983 Aug;54(8):730–4

Radiation protection during space flight. Kovalev EE. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S16–23

Elicitation of motion sickness by head movements in the microgravity phase of parabolic flight maneuvers. Lackner JR, et al. **Aviat Space Environ Med** 1984 Jun;55(6):513–20

Medical results from STS 1–4: analysis of body fluids. Leach CS. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S50–4

US/USSR space biology and medicine. Leverett SD Jr. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S1–2

Concepts for NASA longitudinal health studies. Nicogossian AE, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S68–72

Spacelab mission 4—the first dedicated life sciences mission. Perry TW, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1123–8

Biomedical results of the Space Shuttle orbital flight test program. Pool SL, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S41–9

Toxicological evaluation of the Columbia spacecraft. Rippstein WJ Jr, et al. **Aviat Space Environ Med** 1983 Dec; 54(12 Pt 2):S60–7

An expandable surgical chamber for use in conditions of weightlessness. Rock JA. **Aviat Space Environ Med** 1984 May;55(5):403–4

Human cellular immune responsiveness following space flight. Taylor GR, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S55–9

Medical results of Salyut-6 manned space flights. Vorobyov EI, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S31–40

Disuse osteoporosis: physiological aspects. Whedon GD. **Calcif Tissue Int** 1984;36 Suppl 1:S146–50

Flying performance on the advanced simulator for pilot training and laboratory tests of vision. Kruk R, et al. **Hum Factors** 1983 Aug;25(4):457–66

Women in space: a medical perspective. Santy PA. **J Am Med Wom Assoc** 1984 Jan–Feb;39(1):13–7

Fisher and Seddon: two who've got the right stuff. Williamson J. **J Am Med Wom Assoc** 1984 Jan–Feb; 39(1):18–9

Space station, shuttle offer new medical possibilities [news] Gunby P. **JAMA** 1984 May 11;251(18):2314–5

The endocrine and metabolic responses to space flight. Leach CS, et al. **Med Sci Sports Exerc** 1983;15(5):432–40

Preface to weightlessness and the 1980s. Tipton CM. **Med Sci Sports Exerc** 1983;15(5):408–9

Case for diagnosis. Hepatic amyloidosis. Imes GD Jr. **Milit Med** 1984 Jul;149(7):382, 414

Conditioned reflexes in white rats during space flight. Apanasenko ZI, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):283–8

Medical and surgical considerations for women in spaceflight. Rock JA, et al. **Obstet Gynecol Surv** 1984 Aug;39(8):525–35

Future ESA missions in biology. Bonting SL. **Orig Life** 1984; 14(1–4):777–83

NASA's Exobiology Program. DeVincenzi DL. **Orig Life** 1984;14(1–4):793–9

Photobiology in space: an experiment on Spacelab I. Horneck G, et al. **Orig Life** 1984;14(1–4):825–32

Exobiology and the solar system: the Cassini mission to Titan. Raulin F, et al. **Orig Life** 1984;14(1–4):817–24

European Retrievable Carrier EURECA. Seibert G. **Orig Life** 1984;14(1–4):785–92

Cardiovascular deconditioning of space flight. Levy MN, et al. **Physiologist** 1983 Oct;26(5):297–303

The effects of spaceflight on the mineralization of rat incisor dentin. Rosenberg GD, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):429–37

Effects of spaceflight on structural and material strength of growing bone. Spengler DM, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):224–8

Influence of spaceflight on erythrokinetics in man. Leach CS, et al. **Science** 1984 Jul 13;225(4658):216–8

Effects of rectilinear acceleration and optokinetic and caloric stimulations in space. von Baumgarten R, et al. **Science** 1984 Jul 13;225(4658):208–12

Spatial orientation in weightlessness and readaptation to earth's gravity. Young LR, et al. **Science** 1984 Jul 13; 225(4658):205–8

[Reactions of the digestive system to simulated and real space flight] Groza P. **Physiologie** 1984 Apr–Jun;21(2):139–54 (61 ref.) (Fre)

[The Spacelab and biomedicine in space: initial results and prospects] Tarentini Trojani F. **Clin Ter** 1984 Mar 31; 108(6):551–4 (Ita)

[Frequency of chromosome recombination, nondisjunction and breaks in Drosophila melanogaster males exposed during space flight] Filatova LP, et al. **Genetika (Moskva)** 1983 Dec;19(12):2008–13 (Eng. Abstr.) (Rus)

[Future thrusts in life sciences experimentation in space (USA)] Dietlein LF, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):8–14 (Eng. Abstr.) (Rus)

[Study of the cardiovascular system in long-term space flights] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):4–6 (11 ref.) (Eng. Abstr.) (Rus)

[Man in space] Gazenko OG. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):3–8 (Rus)

[Research on the Kosmos biosatellites] Il'in EA. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):57–66 (Eng. Abstr.) (Rus)

[Effect of an increased content of ammonia in the atmosphere of a hermetic chamber on the functional state of the adrenocortical system in man] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):75–7 (Eng. Abstr.) (Rus)

[Enzymes of energy metabolism in modeling of various factors of space flight] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):49–51 (Eng. Abstr.) (Rus)

[Evaluation of the morphological status of the blood in humans during an exercise test in a hermetic chamber with various concentrations of ammonia] Kalandarova MP, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):43–5 (Eng. Abstr.) (Rus)

[Thyroid hormones in rats after a flight on the Kosmos-936 biosatellite] Knopp J, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):83–4 (Rus)

[Optokinetic nystagmus and optokinetic resistance of cosmonauts in preflight and postflight periods] Kornilova LN, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug; 17(4):12–5 (Eng. Abstr.) (Rus)

[Current status of the problem of radiation protection in space flight] Kovalev EE. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):36–45 (Eng. Abstr.) (Rus)

[Effect of long-term space flight on the catecholamine content of isolated nuclei of the brain in rats] Květňanský R, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):84–6 (Rus)

[Medical results from STS 1–4: analysis of body fluids] Leach CS. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):67–73 (Eng. Abstr.) (Rus)

[Erythrocyte adhesiveness in cosmonauts] Lentsner AA, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):38–40 (Eng. Abstr.) (Rus)

[Principles of organizing efficient work and rest regimens for crews on prolonged space flights] Litsov AN, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):9–12 (Eng. Abstr.) (Rus)

[Mental status and work capacity of crewmen at the Salute-6 space flight base] Miasnikov VI. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):22–5 (Eng. Abstr.) (Rus)

[Metabolic disorders in men kept in an environment with a low ammonia content and their correction by physical exercise] Mukhamedieva LN, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):46–9 (Eng. Abstr.) (Rus)

[Effect of space flight on the Kosmos-1129 biosatellite on enzyme activity of the rat liver] Nemeth S, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):33–7 (Eng. Abstr.) (Rus)

[Principles of NASA longitudinal medical studies] Nicogossian AE, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):29–36 (Eng. Abstr.) (Rus)

[Optimization of the process of larval development in the housefly as a utilizer of organic wastes in a human biological life support system] Nosov VV, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):68–71 (Eng. Abstr.) (Rus)

[Biomedical results of the Space Shuttle Orbital Flight Test Program] Pool SL, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):45–57 (Eng. Abstr.) (Rus)

[Free amino acid content in the blood plasma of cosmonauts before and after a 175-day flight on Saliut-6] Popov IG, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):26–33 (Eng. Abstr.) (Rus)

[Effect of living conditions on the formation of bacterial aerosols in a hermetic chamber] Pozharskiĭ GO. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):77–80 (Eng. Abstr.) (Rus)

[Characteristics of the medical support for aviation and space flight] Rudnyĭ NM, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):4–9 (16 ref.) (Eng. Abstr.) (Rus)

[Evaluation of the changes in the bone structures of the human axial skeleton in prolonged space flight] Stupakov GP, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr; 18(2):33–7 (Eng. Abstr.) (Rus)

[Human cellular immune responsiveness following space flight] Taylor GR, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):74–80 (Eng. Abstr.) (Rus)

[Oxidative enzyme activity in the blood plasma and liver subcellular fractions of rats after a flight on the Kosmos-936 biosatellite] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):81–2 (Rus)

[Changes in cardiac output and orthostatic tolerance of astronauts] Vasil'ev PV, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):25–7 (Eng. Abstr.) (Rus)

[Free amino acids in the blood before and after short-term space flight] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):43–5 (Eng. Abstr.) (Rus)

[Results of medical research in the performance of the long-term manned flights of the Saliut-6 program] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb; 18(1):14–29 (Eng. Abstr.) (Rus)

[Main results of the medical research in the Saliut 6–Soiuz program] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):22–5 (Eng. Abstr.) (Rus)

[Partial shielding of the bone marrow as a method of local protection of the body from the effects of cosmic radiation] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):10–7 (Eng. Abstr.) (Rus)

[Health and hygiene characteristics of the manned environment of the Saliut-7 orbital station] Zaloguev SN, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):40–3 (Eng. Abstr.) (Rus)

[Mechanisms of osteodystrophy in weightlessness] Volozhin AI. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):19–27 (Rus)

[Results of ballistocardiographic studies during 12-hour cosmic flights] Baevskiĭ rm, et al. **Physiologie** 1984 Apr–Jun;21(2):133–8 (Rus)

[Biological rhythms and organization of human life in space] Aliakrinskiĭ BS. **Probl Kosm Biol** 1983;46:1–246 (773 ref.) (Rus)

[Mathematical analysis of cardiac rhythm in the evaluation of body adaptation to the conditions of space flight] Baevskiĭ RM, et al. **Vestn Akad Med Nauk SSSR** 1984; (4):62–9 (Rus)

[Functional state of the cardiovascular system of cosmonauts during long-term space flights on 'Saliut-6'] Egorov AD, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):53–62 (Eng. Abstr.) (Rus)

[Results and perspectives of physiological studies on space flights] Gazenko OG. **Vestn Akad Med Nauk SSSR** 1984; (4):7–12 (Eng. Abstr.) (Rus)

[Problems of international cooperation in the field of space biology and the space medicine program] Praslička M. **Cas Lek Cesk** 1984 Mar 30;123(13):369–75 (Slo)

SPACE MAINTENANCE

INSTRUMENTATION

Fabrication of a more durable fixed anterior esthetic appliance. Jasmin JR, et al. **ASDC J Dent Child** 1984 Mar–Apr;51(2):124–7

METHODS

Functional maintenance of arch-length. Martinez NP, et al. **ASDC J Dent Child** 1984 May–Jun;51(3):190–3

SPACE MEDICINE see AEROSPACE MEDICINE

SPACE PERCEPTION

Memory for spatial and temporal order in deaf children. Das JP. **Am Ann Deaf** 1983 Dec;128(7):894–9

Spatial representation of maps. Kulhavy RW, et al. **Am J Psychol** 1983 Fall;96(3):337–51

Spatial contrast sensitivity. Importance of controlling the patient's visibility criterion. Higgins KE, et al. **Arch Ophthalmol** 1984 Jul;102(7):1035–41

Spatial memory over long retention intervals: nonmemorial factors are not necessary for accurate performance on the radial-arm maze by rats. Maki WS, et al. **Behav Neural Biol** 1984 May;41(1):1–6

Distances and directions in the cognitive maps of the blind. Byrne RW, et al. **Can J Psychol** 1983 Jun;37(2):293–9

Perceptual interference between spatially separate sequential displays. Di Lollo V, et al. **Can J Psychol** 1983 Sep; 37(3):414–28

Phases of transition in cognitive development: evidence from the domain of spatial representation. Snyder SS, et al. **Child Dev** 1984 Jun;55(3):981–9

Sorting of hemifield presented temporal and spatial stimuli. Brandeis R, et al. **Cortex** 1984 Jun;20(2):179–92

Spatial location judgements by right and left-handers. Colley A. **Cortex** 1984 Mar;20(1):47–53

Handedness and spatial ability. Sanders B, et al. **Cortex** 1982 Apr;18(1):79–89

Judging the centres of irregular shapes. How much variability is there? Hutchinson TP, et al. **Ergonomics** 1983 Oct; 26(10):981–4

The development of spatial representation in children from five to thirteen years of age. Leeds A, et al. **Genet Psychol Monogr** 1983 Aug;108(1st Half):137–65

Comprehension of Euclidean space in young children: the early emergence of understanding and its limits. Rosser RA, et al. **Genet Psychol Monogr** 1984 Aug;110(1ST Half):21–41

A study of factors which influence spatial decentration in a group of deaf children. Dwyer E. **Int J Rehabil Res** 1983 Dec;6(4):497–9

The breakdown and rehabilitation of visuospatial dysfunction in brain-injured patients. Delis DC, et al. **Int Rehabil Med** 1983;5(3):132–8

Influence of different paths on spatial memory performance in the Block-Tapping Test. Smirni P, et al. **J Clin Neuropsychol** 1983 Dec;5(4):355–9

Gerbils in space: performance on the 17-arm radial maze. Wilkie DM, et al. **J Exp Anal Behav** 1983 Nov;40(3):301–12

Algorithms for processing spatial information. Carter P, et al. **J Exp Child Psychol** 1983 Oct;36(2):284–304

The effects of visual and spatial interference on spatial working memory. Beech JR. **J Gen Psychol** 1984 Apr; 110(2d Half):141–9

Spatial learning in South American opossums and armadillos. Papini MR, et al. **J Gen Psychol** 1984 Jul;111(1ST Half):45–55

Children's mental manipulation of spatial information in large- and small-scale spaces. Herman JF. **J Genet Psychol** 1984 Mar;144(1st Half):147–8

Aging and the coding of spatial information. Moore TE, et al. **J Gerontol** 1984 Mar;39(2):210–2

Visual signal detection. I. Ability to use phase information. Burgess A, et al. **J Opt Soc Am [A]** 1984 Aug;1(8):900–5

Visual evoked-response components related to speechreading and spatial skills in hearing and hearing-impaired adults. Samar VJ, et al. **J Speech Hear Res** 1984 Jun;27(2):162–72

Lateral specialization and verbal/spatial ability in preschool children: age, sex and familial handedness differences. Kraft RH. **Neuropsychologia** 1984;22(3):319–35

Interacting sex and familial sinistrality characteristics influence both language lateralization and spatial ability in right handers. McKeever WF, et al. **Neuropsychologia** 1983;21(6):661–8

Relationships between speed, accuracy of performance and hemispheric superiorities for visuo-spatial pattern processing in the two sexes. Nichelli P, et al. **Neuropsychologia** 1983;21(6):625–32

Further evidence for asymmetry of point localization in normals and unilateral brain damaged patients. Tartaglione A, et al. **Neuropsychologia** 1983;21(4):407–12

Spatial lateralization: the relationship among sex, handedness and familial sinistrality. Tinkcom M, et al. **Neuropsychologia** 1983;21(6):683–6

Movement detection and spatial phase. Murray IJ, et al. **Ophthalmic Physiol Opt** 1984;4(1):73–6

Stereopsis with spatially-degraded images. Wood IC. **Ophthalmic Physiol Opt** 1983;3(3):337–40

Australian aboriginal spatial cognition and dyslexia: a criticism of Pontius (1982). Davidson G. **Percept Mot Skills** 1984 Apr;58(2):627–34

Effects of imagery ability and instructions on recall of information on spatial location. Housner L, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1087–92

Sex differences in self-assessed, everyday spatial abilities: differential practice or self-esteem? Lunneborg PW. **Percept Mot Skills** 1984 Feb;58(1):213–4

Perception of spatial and social density. Pedersen DM. **Percept Mot Skills** 1983 Aug;57(1):223–6

Links between literacy skills and accurate spatial relations in representations of the face: comparison of preschoolers, school children, dyslexics, and mentally retarded. Pontius AA. **Percept Mot Skills** 1983 Oct;57(2):659–66

Pictorial misrepresentation of spatial relations of the face by certain chronic alcoholic men: an interpretation implicating spatial aspects of memory. Pontius AA. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):895–910

Age differences in the content and style of cognitive maps of Barbadian schoolchildren. Potter RB, et al. **Percept Mot Skills** 1983 Aug;57(1):332

Spatial memory span in adolescents: cultural and sex differences. Smirni P, et al. **Percept Mot Skills** 1983 Aug; 57(1):175–8

The voice-recognition accuracy of blind listeners. Bull R, et al. **Perception** 1983;12(2):223–6

The role of high spatial frequencies in face perception. Fiorentini A, et al. **Perception** 1983;12(2):195–201

Position in the visual field and spatial expansion. Hotopf WH, et al. **Perception** 1983;12(4):469–76

The effects of temporal modulation on the perceived spatial structure of sine-wave gratings. Parker A. **Perception** 1983; 12(6):663–82

Low spatial frequencies dominate apparent motion. Ramachandran VS, et al. **Perception** 1983;12(4):457–61

Discrimination of spatiotemporal patterns: the role of sustained and transient mechanisms. Shulman G, et al. **Perception** 1983;12(5):531–43

Locomotion of the blind controlled by natural sound cues. Strelow ER, et al. **Perception** 1982;11(6):635–40

Influence of spatial frequency, luminance, and duration on binocular rivalry and abnormal fusion of briefly presented dichoptic stimuli. Wolfe JM. **Perception** 1983;12(4):447–56

A reexamination of fear and its determinants on the visual cliff. Bertenthal BI, et al. **Psychophysiology** 1984 Jul; 21(4):413–7

Perceptual and motor space representation: an event-related potential study. Ragot R. **Psychophysiology** 1984 Mar; 21(2):159–70

Interaction between perceived self-motion and object-motion impairs vehicle guidance. Probst T, et al. **Science** 1984 Aug 3;225(4661):536–8

Spatial orientation in weightlessness and readaptation to earth's gravity. Young LR, et al. **Science** 1984 Jul 13; 225(4658):205–8

Quality of the primate photoreceptor lattice and limits of spatial vision. Hirsch J, et al. **Vision Res** 1984;24(4):347–55

Spatial tuning of static and dynamic local stereopsis. Schor CM, et al. **Vision Res** 1984;24(6):573–8

[Convergent strabismus and Pulfrich's phenomenon] Godde-Jolly D, et al. **Bull Soc Ophtalmol Fr** 1983 May; 83(5):647–50 (Eng. Abstr.) **(Fre)**

[Spatial orientation capability in the elderly] Winkler R, et al. **Aktuel Gerontol** 1983 Nov;13(6):236–40 (Eng. Abstr.) **(Ger)**

[Contrast-evoked responses in the human electroretinogram] Korth M, et al. **Fortschr Ophthalmol** 1983;80(2):121–2 (Eng. Abstr.) **(Ger)**

[Stereoscopic vision in reduced visual acuity] Roggenkämper P. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):105–9 (Eng. Abstr.) **(Ger)**

[Neuropsychologic study in alcoholism with and without neurologic complications] Perrone P, et al. **Riv Neurobiol** 1983 Apr-Sep;29(2–3):291–7 (Eng. Abstr.) **(Ita)**

[Studies on color vision defects associated with optic nerve diseases by Farnsworth-Munsell 100 hue test. II. Comparison with liminal and supraliminal contrast sensitivity functions] Kazusa R. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1442–7 (Eng. Abstr.) **(Jpn)**

[Supraliminal contrast sensitivity function in anisometropic amblyopia] Tagami Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):222–9 (Eng. Abstr.) **(Jpn)**

[On the hemispheric asymmetry of unilateral spatial neglect] Ogura J, et al. **No To Shinkei** 1984 Feb;36(2):131–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Leupeptin, a thiol proteinase inhibitor, causes a selective impairment of spatial maze performance in rats. Stäubli U, et al. **Behav Neural Biol** 1984 Jan;40(1):58–69

Regulatory effect of dopamine on spatial properties of horizontal cells in carp retina. Teranishi T, et al. **J Neurosci** 1984 May;4(5):1271–80

Influence of GABA on the spectral and spatial coding of goldfish retinal ganglion cells. Schellart NA, et al. **Neurosci Lett** 1984 Jul 13;48(1):31–6

PHYSIOLOGY

Contrast sensitivity determined with the spatial bandwidth equalization technique: threshold, suprathreshold, and spatiotemporal measurements. Wiley RW, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):221–31

The analysis of stereopsis. Poggio GF, et al. **Annu Rev Neurosci** 1984;7:379–412 (24 ref.)

Spatial vision. Westheimer G. **Annu Rev Psychol** 1984; 35:201–26 (140 ref.)

Spatial ability and throwing accuracy. Jardine R, et al. **Behav Genet** 1983 Jul;13(4):331–40

Homing behavior of pigeons after telencephalic ablations. Bingman VP, et al. **Brain Behav Evol** 1984;24(2–3):94–108

Patterns of cerebral organization. Bryden MP, et al. **Brain Lang** 1983 Nov;20(2):249–62

Functional analysis of spatially discriminative neurons in prefrontal cortex of rhesus monkey. Kojima S, et al. **Brain Res** 1984 Jan 23;291(2):229–40

Spatial memory in preschool infants. Foreman N, et al. **Dev Psychobiol** 1984 Mar;17(2):129–37

Spatio-temporal processing in multiple sclerosis. Marx MS, et al. **Doc Ophthalmol** 1984 Jan 30;56(3):243–64

Spatial knowledge of young and elderly adults: scene recognition from familiar and novel perspectives. Bruce PR, et al. **Exp Aging Res** 1983 Fall;9(3):169–73

Development of spatial frequency selectivity in striate cortex of vision-deprived cats. Derrington AM. **Exp Brain Res** 1984;55(3):431–7

Spatial summation in the receptive field of simple cells in the cat striate cortex. Heggelund P, et al. **Exp Brain Res** 1983;52(1):87–98

Spatio-temporal recoding of rapid eye movement signals in the monkey paramedian pontine reticular formation (PPRF). Hepp K, et al. **Exp Brain Res** 1983;52(1):105–20

Cerebral activation patterns in an arithmetic and a visuospatial processing task. Papanicolaou AC, et al. **Int J Neurosci** 1983 Sep;20(3–4):283–7

Spatial characteristics of static and dynamic stereoacuity in strabismus. Schor C, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1572–9

Dichotic listening and tactual mental rotation in females as a function of familial sinistrality and strength of handedness. Bouma A, et al. **J Clin Neuropsychol** 1984 May;6(2):171–88

Spatial disorientation in right hemisphere infarction [letter] Suranyi L. **J Neurol Neurosurg Psychiatry** 1984 Feb; 47(2):220

Independence of orientation and size in spatial discriminations. Burbeck CA, et al. **J Opt Soc Am** 1983 Dec;73(12):1691–4

Spatial-frequency discrimination and detection: comparison of postadaptation thresholds. Regan D, et al. **J Opt Soc Am** 1983 Dec;73(12):1684–90

Spatial-frequency adaptation affects spatial-probability summation. Williams DW, et al. **J Opt Soc Am** 1983 Oct; 73(10):1367–71

Retinal inhomogeneity. II. Spatial summation. Kelly DH. **J Opt Soc Am [A]** 1984 Jan;1(1):114–9

Retinal inhomogeneity. I. Spatiotemporal contrast sensitivity. Kelly DH. **J Opt Soc Am [A]** 1984 Jan;1(1):107–13

Simultaneous masking between two sinusoidal gratings measured in terms of temporal sensitivity. Nagano T. **J Opt Soc Am [A]** 1984 Feb;1(2):221–5

Orientation bandwidths of spatial mechanisms measured by masking. Phillips GC, et al. **J Opt Soc Am [A]** 1984 Feb; 1(2):226–32

Modified line-element theory for spatial-frequency and width discrimination. Wilson HR, et al. **J Opt Soc Am [A]** 1984 Jan;1(1):124–31

Spatial contrast adaptation characteristics of neurones recorded in the cat's visual cortex. Albrecht DG, et al. **J Physiol (Lond)** 1984 Feb;347:713–39

The brain as a geometer. Ninio J. **J Theor Biol** 1983 Jul 7;103(1):1–9

A cognitive-motor network demonstrated by positron emission tomography. Gur RC, et al. **Neuropsychologia** 1983;21(6):601–6

Proposed neural circuitry for spatial memory in the primate brain. Pandya DN, et al. **Neuropsychologia** 1984; 22(2):109–22 (70 ref.)

Seventh European Conference on Visual Perception. Cambridge, England, 31 August–3 September 1984. Abstracts. **Perception** 1984;13(1):A1–50

Reply to comments on variability in contrast sensitivity methodology [letter] Bradley A, et al. **Vision Res** 1984; 24(7):775

On the efficient two-dimensional energy coding characteristics of spatial vision. Caelli T, et al. **Vision Res** 1983;23(10):1053–5

Evoked potential contrast sensitivity in the parafovea: spatial organization. Cannon MW Jr. **Vision Res** 1983; 23(12):1441–9

Spatial frequency dependence of accommodative responses in amblyopic eyes. Ciuffreda KJ, et al. **Vision Res** 1983; 23(12):1585–94

Phase reversal discrimination. Field DJ, et al. **Vision Res** 1984;24(4):333–40

Comments on variability in contrast sensitivity methodology [letter] Ginsburg AP, et al. **Vision Res** 1984;24(3):287

Spatial summation in dark-adapted human infants. Hamer RD, et al. **Vision Res** 1984;24(1):77–85

Behavioral studies on the effect of abnormal early visual experience in monkeys: temporal modulation sensitivity. Harwerth RS, et al. **Vision Res** 1983;23(12):1511–7

Behavioral studies on the effect of abnormal early visual experience in monkeys: spatial modulation sensitivity. Harwerth RS, et al. **Vision Res** 1983;23(12):1501–10

The relationship between spectral sensitivity and spatial sensitivity for the primate r-g X-channel. Ingling CR Jr, et al. **Vision Res** 1983;23(12):1495–500

An investigation of the ability of the human visual system to encode spatial phase relationships. Lawden MC. **Vision Res** 1983;23(12):1451–63

Averaging over the foveal receptor aperture curtails aliasing. Miller WH, et al. **Vision Res** 1983;23(12):1365–9

On the failure of spatiotemporal interpolation: a filtering

model. Morgan MJ, et al. **Vision Res** 1983;23(10):997–1004
VEPs and contrast. Murray IJ, et al. **Vision Res** 1983; 23(12):1741–3
The role of area centralis in the spatial vision of the cat. Pasternak T, et al. **Vision Res** 1983;23(12):1409–16
Spatial frequency mechanisms in human vision investigated by evoked potential recording. Regan D. **Vision Res** 1983; 23(12):1401–7
Discriminability of suprathreshold compound spatial frequency gratings. Sagi D, et al. **Vision Res** 1983; 23(12):1595–606
Binocular sensory fusion is limited by spatial resolution. Schor C, et al. **Vision Res** 1984;24(7):661–5
Disparity range for local stereopsis as a function of luminance spatial frequency. Schor CM, et al. **Vision Res** 1983; 23(12):1649–54
Structural modeling of spatial vision. Sekuler R, et al. **Vision Res** 1984;24(7):689–700
Bimodal receptive fields of cat retinal ganglion cells. Thibos LN, et al. **Vision Res** 1983;23(12):1561–72
Visible persistence: effects of luminance, spatial frequency and orientation. Ueno T. **Vision Res** 1983;23(12):1687–92
Spatial frequency and the pattern onset–offset response. Vassilev A, et al. **Vision Res** 1983;23(12):1417–22
The use of different cues in vernier acuity. Watt RJ, et al. **Vision Res** 1983;23(10):991–5
[Olfacto–gustatory factors in spatial perception in patients with severe visual disorders] Kolín J, et al. **Cesk Otolaryngol** 1984 Apr;33(2):99–102 (Eng. Abstr.) **(Cze)**
[Performance measurements of the visual system] Pittke EC. **Fortschr Ophthalmol** 1983;80(2):113–6 (Eng. Abstr.) **(Ger)**
[Effect of blood redistribution on illusional sensations of spatial position in weightlessness] Solodovnik FA, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):40–3 (Eng. Abstr.) **(Rus)**
[Differences in the perception of periodic and non–periodic visual stimuli in rhesus macaques] Dudkin KN, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):495–502 (Eng. Abstr.) **(Rus)**

SPACE–TIME CLUSTERING

see related
DISEASE OUTBREAKS
Clustering of disease in population units: an exact test and its asymptotic version. Fraser DW. **Am J Epidemiol** 1983 Nov;118(5):732–9
The detection of disease clustering in time. Tango T. **Biometrics** 1984 Mar;40(1):15–26

SPANISH AMERICANS see **HISPANIC AMERICANS**

SPARGANOSIS

IMMUNOLOGY

Leukocyte accumulation in sparganosis: demonstration of eosinophil and neutrophil chemotactic factors from the plerocercoid of Spirometra erinacei in vivo and in vitro. Horii Y, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):138–43

OCCURRENCE

A case of sparganosis [letter] Cooke RA, et al. **Med J Aust** 1983 Sep 17;2(6):258–9

PARASITOLOGY

[Report of a case of sparganosis mansoni] Yi PR. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):192 **(Chi)**
[Cerebral sparganosis. Case report] Nakajima H, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):427–32 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Intracranial sparganosis: an uncommon infection. Case report. Anders K, et al. **J Neurosurg** 1984 Jun;60(6):1282–6

TRANSMISSION

Sparganosis [letter] Prociv P. **Med J Aust** 1984 Jan 21; 140(2):120

VETERINARY

Proliferative sparganosis in a cat. Buergelt CD, et al. **J Parasitol** 1984 Feb;70(1):121–5

SPARGANUM

[Natural infection of sparganum in Rana tigarina in Fuzhou, Fujian Province] Chen GG. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):36 **(Chi)**

ANATOMY & HISTOLOGY

Proliferative sparganosis in a cat. Buergelt CD, et al. **J Parasitol** 1984 Feb;70(1):121–5

ISOLATION & PURIFICATION

[Cerebral sparganosis. Case report] Nakajima H, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):427–32 (Eng. Abstr.) **(Jpn)**

SPARSOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SPARTEINE

ADMINISTRATION & DOSAGE

Termination of midtrimester pregnancies with extraovular 0.1% ethacridine lactate. Accurate method for estimation of blood loss. Role of spartein sulfate. Laul RM, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):185–9

ANALYSIS

[Ion–pair assay of lupanine and sparteine in seeds and meals of lupine with dietary potential] Mérillon JM, et al. **Ann Pharm Fr** 1983;41(2):177–84 (Eng. Abstr.) **(Fre)**

METABOLISM

Theophylline metabolism in relation to antipyrine, debrisoquine, and sparteine metabolism. Dahlqvist R, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):815–21
Sparteine oxidation by the human liver: absence of inhibition by mephenytoin. Jurima M, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):426–8
Oxidation of sparteines by cytochrome P–450: evidence against the formation of N–oxides. Guengerich FP. **J Med Chem** 1984 Sep;27(9):1101–3
The genetic control of sparteine and debrisoquine metabolism in man with new methods of analysing bimodal distributions. Evans DA, et al. **J Med Genet** 1983 Oct; 20(5):321–9
Competitive inhibition of sparteine oxidation in human liver by beta–adrenoceptor antagonists and other cardiovascular drugs. Otton SV, et al. **Life Sci** 1984 Jan 2;34(1):73–80

THERAPEUTIC USE

[Quinidine, sparteine sulfate and ajmaline derivative – delayed–action drugs – in the prevention of auricular fibrillation. Comparative study] Mandecki T, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1145–7 (Eng. Abstr.) **(Pol)**

SPASM

see related
MUSCLE CRAMP
MYOTONIA
Masseter spasm heralds malignant hyperthermia—current dilemma or merely academia gone mad [letter] Badgwell JM, et al. **Anesthesiology** 1984 Aug;61(2):230–1

CHEMICALLY INDUCED

Halothane–succinylcholine induced masseter spasm: indicative of malignant hyperthermia susceptibility? Flewellen EH, et al. **Anesth Analg** 1984 Jul;63(7):693–7
The spasmogenic action of potassium chloride in guinea–pig trachealis. Foster RW, et al. **Br J Pharmacol** 1983 Nov; 80(3):553–9
Intimal changes associated with arterial spasm induced by periarterial application of calcium chloride. Kurgan A, et al. **Exp Mol Pathol** 1983 Oct;39(2):176–93
[Arterial spasm caused by administration of DHE–heparin in a tibial fracture] Hertz H, et al. **Aktuel Traumatol** 1984 Aug;14(4):142–5 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Muscle spasms associated with Sudeck's atrophy after injury [letter] Jessop J. **Br Med J [Clin Res]** 1984 Feb 25; 288(6417):644
Spasm of the retinal vessels in association with unstable primary angina [letter] Baksi KB, et al. **Chest** 1984 Jul; 86(1):155
Spasmodic torticollis as a cause of ulnar nerve entrapment. Weingarden SI, et al. **Neurosurgery** 1984 Mar;14(3):332–4

DIAGNOSIS

Blepharospasm—oromandibular dystonia (Meige's syndrome) misdiagnosed as secondary hemifacial spasm. Gottlieb JS, et al. **Am J Otol** 1984 Jan;5(3):206–10
Suxamethonium spasm. A differential diagnostic conundrum. Ellis FR, et al. **Br J Anaesth** 1984 Apr;56(4):381–4
Facial myokymia [letter] Sandyk R. **J Neurosurg** 1983 Dec; 59(6):1108–9
Convergence spasm [letter] Kung FT, et al. **Neurology (NY)** 1983 Dec;33(12):1636–7
[Stiff man syndrome] Kumin M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan;36(1):32–40 (Eng. Abstr.) **(Ger)**
[Radiologic and manometric aspects of diffuse esophageal spasm] Pomata M, et al. **Ann Ital Chir** 1983;55(4):371–84 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Treating peripheral venospasm [letter] Zmyslowski WP. **Anesthesiology** 1984 Mar;60(3):261
Baclofen dosage: a suggestion. Kirkland LR. **Arch Phys Med Rehabil** 1984 Apr;65(4):214
Clinical pharmacological aspects of dihydroergotamine timed release: activity on monoamine venospasm. Franchi G, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:185–8
Neuropharmacological profile of Meige's disease: overview and a case report. Ortiz A. **Clin Neuropharmacol** 1983; 6(4):297–304
Baclofen in hemifacial spasm. Sandyk R. **Ear Neurol** 1984; 23(3):163–5
Hemifacial spasm—successful treatment with baclofen [letter] Sandyk R, et al. **S Afr Med J** 1984 Mar 31;65(13):502
[A clinico–evolutive study of levamisol treatment in spastic sequels of infantile encephalopathies] Trușcă E, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Jul–Sep; 28(3):205–15 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Leigh's subacute necrotizing encephalomyelopathy manifesting as spasmus nutans. Sedwick LA, et al. **Arch Ophthalmol** 1984 Jul;102(7):1046–8
Muscle spasms associated with Sudeck's atrophy after injury. Marsden CD, et al. **Br Med J [Clin Res]** 1984 Jan 21; 288(6412):173–6
Hemifacial spasm: results of microvascular relocation. Fairholm D, et al. **Can J Neurol Sci** 1983 Aug;10(3):187–91
The vasospastic disorders. Spittell JA Jr. **Curr Probl Cardiol** 1984 Mar;8(12):1–27
On the origin of synkinesis in hemifacial spasm: results of intracranial recordings. Møller AR, et al. **J Neurosurg** 1984 Sep;61(3):569–76
Postural fluctuation of hemifacial spasm. Case report. Moore AP. **J Neurosurg** 1984 Jan;60(1):190–1
Severe opisthotonus and trismus associated with water intoxication [letter] Eisbruch A, et al. **J R Soc Med** 1984 Feb;77(2):158
Brachial artery spasm as a result of a sting [letter] Adiga KM. **Med J Aust** 1984 Feb 4;140(3):181–2
Tic convulsif, the combination of geniculate neuralgia and hemifacial spasm relieved by vascular decompression. Yeh HS, et al. **Neurology (NY)** 1984 May;34(5):682–3
Hemifacial spasm caused by a venule: case report. Jannetta PJ. **Neurosurgery** 1984 Jan;14(1):89–92
Hemifacial spasm in tuberculous meningitis. Sandyk R. **Postgrad Med J** 1983 Sep;59(695):570–1
[Facial hemispasm leading to the detection of dolicho–ectasia of the basilar trunk] Bagot d'Arc M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):53–5 (Eng. Abstr.) **(Fre)**
[Cerebellopontile angle epidermoid presenting as hemifacial spasm] Miyazaki S, et al. **No To Shinkei** 1983 Oct; 35(10):951–5 (Eng. Abstr.) **(Jpn)**
[Bilateral accommodative spasm in an acute respiratory disease] Anokhina GD. **Oftalmol Zh** 1983;38(4):252–3 **(Rus)**
[Megadolichobasilar: presentation as facial hemispasm (letter)] Campos E, et al. **Med Clin (Barc)** 1984 Feb 25; 82(7):332 **(Spa)**

PHYSIOPATHOLOGY

Motor control in man after partial or complete spinal cord injury. Dimitrijevic MR, et al. **Adv Neurol** 1983;39:915–26
Tadpole–shaped pupils caused by segmental spasm of the iris dilator muscle. Thompson HS, et al. **Am J Ophthalmol** 1983 Oct;96(4):467–77
Influence of cerebral cortex stimulation upon cough–like spasmodic expiratory response (SER) and cough in the cat. Kasé Y, et al. **Brain Res** 1984 Jul 23;306(1–2):293–8
Symposium on spasticity and spasms. **J Am Paraplegia Soc** 1982 Jan;5(1):3–9
Observations on synkinesis in patients with hemifacial spasm. Effect of microvascular decompression and etiological considerations. Kim P, et al. **J Neurosurg** 1984 Apr; 60(4):821–7
Fibromuscular dysplasia of arteries: a spastic phenomenon? Fievez ML. **Med Hypotheses** 1984 Mar;13(3):341–9
Sudden death in Moersch–Woltman [letter] Maccario M, et al. **Neurology (NY)** 1984 Mar;34(3):407
Pathophysiology of hemifacial spasm: I. Ephaptic transmission and ectopic excitation. Nielsen VK. **Neurology (NY)** 1984 Apr;34(4):418–26
Pathophysiology of hemifacial spasm: II. Lateral spread of the supraorbital nerve reflex. Nielsen VK. **Neurology (NY)** 1984 Apr;34(4):427–31
Pathophysiology of hemifacial spasm: III. Effects of facial nerve decompression. Nielsen VK, et al. **Neurology (NY)** 1984 Jul;34(7):891–7
[Physiologic significance of F wave in spastic paralysis in the diseases of the cerebral hemisphere] Kaku M, et al. **No To Shinkei** 1983 Jul;35(7):661–7 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

A clinical technique for prevention of spasm and preservation of endothelium in saphenous vein grafts. LoGerfo FW, et al. **Arch Surg** 1984 Oct;119(10):1212–4
[Arterial spasm during hyperselective catheterization angiography in neuroradiology (letter)] Hummer–Sigiel M, et al. **Presse Med** 1983 Oct 29;12(38):2397 **(Fre)**
[Prevention of spasms after subarachnoidal hemorrhage] **MMW** 1983 Dec 9;125(49):114, 116 **(Ger)**

SURGERY

Hemifacial spasm [editorial] Dalessio DJ. **Headache** 1984 Jan; 24(1):45

Treatment of tic douloureux and hemifacial spasm by posterior fossa exploration: therapeutic implications of various neurovascular relationships. Piatt JH Jr, et al. **Neurosurgery** 1984 Apr;14(4):462–71

[Treatment of essential blepharospasm and hemifacial spasm by elective sectioning of the facial nerve] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1984;38(1):76–83 (Fre)

[Surgical management of trigeminal neuralgia, hemifacial spasm, paroxysmal tinnitus and nystagmus by neurovascular decompression] Isu T, et al. **Hokkaido Igaku Zasshi** 1983 Nov;58(6):587–99 (Eng. Abstr.) (Jpn)

[Hemifacial spasm. Analysis of 40 cases of neurovascular decompression] Goya T, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):651–8 (Eng. Abstr.) (Jpn)

THERAPY

Acupuncture and rehabilitation (I) effect of acupuncture on normal side to snapping finger. Arichi S, et al. **Am J Chin Med** 1983;11(1–4):137–42

Acupuncture and rehabilitation (II) study in cases of snapping finger. Arichi S, et al. **Am J Chin Med** 1983;11(1–4):143–5

Acupuncture point D'arsonval electrotherapy and faradization in 42 cases of spasmodic torticollis. Li JY. **Chin Med J [Engl]** 1983 Aug;96(8):591–3

Reduction of hemifacial spasm and dysarthria following EMG biofeedback. Rubow RT, et al. **J Speech Hear Disord** 1984 Feb;49(1):26–33

[Essential facial hemispasm: current approach to treatment] Riemens V, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984; 105(1):47–51 (Eng. Abstr.) (Fre)

[Anchoring the triceps to the tibia in the treatment of infantile spastic pes equinus] Soncini G, et al. **Chir Organi Mov** 1982–83;68(2):249–53 (Eng. Abstr.) (Ita)

[Electrostimulation of the ciliary muscle in the treatment of spasm of accommodation] Cherikchi LE. **Oftalmol Zh** 1984; (2):83–6 (Eng. Abstr.) (Rus)

[Our experience with electrotherapy of spasm of accomodation in progressive myopia] Morozova LN, et al. **Oftalmol Zh** 1984;(2):120–1 (Rus)

SPASMOLYTICS see PARASYMPATHOLYTICS

SPASMOPHILIA see TETANY

SPASMS, INFANTILE

Infantile spasms: modern practical aspects. Riikonen R. **Acta Paediatr Scand** 1984 Jan;73(1):1–12 (70 ref.)

CEREBROSPINAL FLUID

Cerebrospinal fluid GABA levels in children with infantile spasms. Ito M, et al. **Neurology (NY)** 1984 Feb;34(2):235–8

Cerebrospinal fluid monoamine metabolites in patients with infantile spasms. Silverstein F, et al. **Neurology (NY)** 1984 Jan;34(1):102–5

COMPLICATIONS

Temporal lobe astrocytoma with infantile spasms [letter] Mimaki T, et al. **Ann Neurol** 1983 Dec;14(6):695–6

DIAGNOSIS

Infantile spasms. Cruse RP. **Cleve Clin Q** 1984 Summer; 51(2):273–8

West syndrome evolving into the Lennox–Gastaut syndrome. Olmos–Garcia de Alba G, et al. **Clin Electroencephalogr** 1984 Jan;15(1):61–8

Aicardi syndrome. A cause of infantile seizures. Levy Y, et al. **Clin Pediatr (Phila)** 1984 May;23(5):284–7

Clinical and electroencephalographic study of infantile spasms. Anandam R. **Indian J Pediatr** 1983 Sep–Oct; 50(406):515–8

Aicardi's syndrome: (agenesis of the corpus callosum, infantile spasms, and ocular anomalies). Dinani S, et al. **J Ment Defic Res** 1984 Jun;28 (Pt 2):143–9

[Clinical, electroencephalographic and computer tomographic studies of children with West and Lennox–Gastaut syndrome] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Aug; 35(8):467–70 (Eng. Abstr.) (Ger)

[Convulsions in the 1st year of life] Cupić V, et al. **Acta Med Iugosl** 1983;37(4):269–93 (Eng. Abstr.) (Scr)

DRUG THERAPY

Outcome in neonates with seizures: are chronic anticonvulsants necessary? [letter] Gal P, et al. **Ann Neurol** 1984 Jun;15(6):610–1

Homocarnosine levels in cerebrospinal fluid of patients with infantile spasms under ACTH therapy. Ohtsuka C, et al. **Brain Dev** 1983;5(5):464–8

Sequential CT studies of 24 children with infantile spasms on ACTH therapy. Ito M, et al. **Dev Med Child Neurol** 1983 Aug;25(4):475–80

Infantile spasms—long term results of ACTH treatment. Fois A, et al. **Eur J Pediatr** 1984 Apr;142(1):51–5

Acute-onset transient hydrocephalus after suspension of ACTH therapy for infantile spasms: a case report. Laverda AM, et al. **Ital J Neurol Sci** 1984 Jun;5(2):219–22

Therapy of infantile spasms [letter] Chevrie JJ. **J Pediatr** 1984 Jul;105(1):168–9

Double-blind study of ACTH vs prednisone therapy in infantile spasms. Hrachovy RA, et al. **J Pediatr** 1983 Oct; 103(4):641–5

Renal and pancreatic calcification during treatment of infantile spasms with ACTH [letter] Hanefeld F, et al. **Lancet** 1984 Apr 21;1(8382):901

Influence of ACTH on serum hormone content and its anticonvulsant action towards infantile spasms. Izumi T, et al. **Life Sci** 1984 Mar 12;34(11):1023–8

Steroid-induced hypertrophic cardiomyopathy in an infant. Alpert BS. **Pediatr Cardiol** 1984 Apr–Jun;5(2):117–8

ETIOLOGY

[2 new cases of Aicardi's syndrome] Talmud M, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):983–6 (Eng. Abstr.) (Fre)

[Computer tomography in the early diagnosis of tuberous sclerosis associated with the West syndrome] Cotroneo E, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):439–46 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Familial neonatal and infantile seizures: an autosomal-dominant disorder. Zonana J, et al. **Am J Med Genet** 1984 Jul;18(3):455–9

IMMUNOLOGY

Immunological disturbance in West and Lennox–Gastaut syndromes. Montelli TC, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):132–9

Demonstration of antibody and cellular immune response to brain extract in West and Lennox–Gastaut syndromes. Mota NG, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):126–31

METABOLISM

CSF protein profile in infantile spasms. Influence of etiology and ACTH or dexamethasone treatment. Siemes H, et al. **Epilepsia** 1984 Jun;25(3):368–76

PATHOLOGY

An autopsy case of hemimegalencephaly. Dambska M, et al. **Brain Dev** 1984;6(1):60–4

PHYSIOPATHOLOGY

Hypsarrhythmia: variations on the theme. Hrachovy RA, et al. **Epilepsia** 1984 Jun;25(3):317–25

THERAPY

Pyretotherapy as treatment in West's syndrome. Garcia de Alba GO, et al. **Clin Electroencephalogr** 1984 Jul; 15(3):140–4

SPASTICITY, MUSCLE see MUSCLE SPASTICITY

SPATIAL BEHAVIOR

Don't fence me in. Davis AJ. **Am J Nurs** 1984 Sep;84(9):1141

Differential perceptual-spatial impairment in Huntington's and Alzheimer's dementias. Brouwers P, et al. **Arch Neurol** 1984 Oct;41(10):1073–6

Genetic control of emigration behavior in Tribolium castaneum and T. confusum. Riddle RA, et al. **Behav Genet** 1983 Jul;13(4):421–34

An attempt to account for controversial estimates of working memory persistence in the radial maze. Markowska A, et al. **Behav Neural Biol** 1983 May;38(1):97–112

Neonatal motor cortex lesions in the rat: absence of sparing of motor behaviors and impaired spatial learning concurrent with abnormal cerebral morphogenesis. Kolb B, et al. **Behav Neurosci** 1983 Oct;97(5):697–709

Static spatial effects in motor cortex and area 5: quantitative relations in a two-dimensional space. Georgopoulos AP, et al. **Exp Brain Res** 1984;54(3):446–54

Sympathetic sprouting and recovery of a spatial behavior. Harrell LE, et al. **Exp Neurol** 1983 Nov;82(2):379–90

Common behavior patterns of residents in public areas of nursing homes. Brent RS, et al. **Gerontologist** 1984 Apr; 24(2):186–92

Personal space of incarcerated offenders. Wormith JS. **J Clin Psychol** 1984 May;40(3):815–26

Psychological tension and closeness to others: stress and interpersonal distance preference. Long GT. **J Psychol** 1984 May;117(1st Half):143–6

Situational conditioned reflexes in intact and callosectomized dogs: effects of changes in location of conditioned and unconditioned stimuli. Kolosova TE, et al. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):457–62

Perception of spatial and social density. Pedersen DM. **Percept Mot Skills** 1983 Aug;57(1):223–6

Effects of temperature and social interactions on huddling behavior in Mus musculus. Batchelder P, et al. **Physiol Behav** 1983 Jul;31(1):97–102

Possible unconscious significance of the positions of the analysand and analyst in psychoanalysis. Bergel EW. **Psychiatry** 1984 Aug;47(3):293–8

Personal space, crowding, and the interference model of test anxiety. McElroy JC, et al. **Psychol Rep** 1983 Oct; 53(2):419–24

[Ethological choice experiments with early weaned piglets kept in flat decks. 3. Results of studies of appropriate space dimensions for piglets] Marx D, et al. **DTW** 1984 Jan 9; 91(1):18–22 (Eng. Abstr.) (Ger)

[Spatial compatibility and position of the effectors] Nicoletti R, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1687–92 (Eng. Abstr.) (Ita)

PHYSIOLOGY

On the phylogeny of asymmetry and spatial discrimination. Berkowitz GC, et al. **J Theor Biol** 1984 Feb 21; 106(4):495–528

Loss of place specificity in hippocampal complex spike cells of senescent rat. Barnes CA, et al. **Neurobiol Aging** 1983 Summer;4(2):113–9

SPECIALISM

Abortion as a medical career choice: entrepreneurs, community physicians, and others. Goldstein MS. **J Health Soc Behav** 1984 Jun;25(2):211–29

Creation of personnel at the medical/computer science interface: should it be a specialty? Stead EA Jr. **J Med Syst** 1984 Apr;8(1–2):3–6

Generalists and specialists [letter] **JAMA** 1984 Apr 13; 251(14):1833–4

Eysenck Personality Inventory and choice of psychiatry as a career. De Leo, et al. **Psychol Rep** 1984 Jun;54(3):718

HISTORY

Medicine in the USA: historical vignettes. XXI. Medical practice: specialization. King LS. **JAMA** 1984 Mar 9; 251(10):1333–8

TRENDS

Foreign medical graduates in the 1980s: trends in specialization. Mick SS, et al. **Am J Public Health** 1984 Jul;74(7):698–703

Emergency medicine redux: the rise and fall of a community medical specialty. Crippen DW. **Ann Emerg Med** 1984 Jul; 13(7):539–42

The changing nature of otological practice in a teaching centre. Ruby RR, et al. **J Otolaryngol** 1984 Aug; 13(4):208–10

Surgery in transition. One discipline or many? [editorial] Carey LC. **Postgrad Med** 1984 Jan;75(1):13, 16, 19

[Psychiatry and neurology—on the unity and differentiation of a medical specialty] Seidel K. **Psychiatr Neurol Med Psychol Beih** 1983;29:15–8 (Ger)

[Development of the neurophysiologic department in Rostock—a contribution to the specialization of the specialty of neurology] Meyer-Rienecker HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Sep; 35(9):513–23 (Eng. Abstr.) (Ger)

SPECIALTIES, DENTAL

Specialisation in dentistry. Cousins AJ. **Br Dent J** 1984 Jan 7;156(1):26–7

Public health dentistry as a specialty [letter] **J Public Health Dent** 1984 Winter;44(1):6–7

[Orthodontic activity of general dental practitioners in the canton of Bern] Ingervall B, et al. **Schweiz Monatsschr Zahnmed** 1984 Jul;94(7):625–33 (Eng. Abstr.) (Ger)

[Role of student research work in the training of specialists in pedodontics] Simanovskaia EIu, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):73–4 (Rus)

ECONOMICS

Dental fees charged by general practitioners and selected specialists in the United States, 1982. Bureau of Economic and Behavioral Research. Wall TP. **J Am Dent Assoc** 1984 Jan;108(1):83–7

TRENDS

[A trend in improving the quality of the specialist dentist] Shliapnikov VN, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb; 63(1):85–7 (Rus)

SPECIALTIES, MEDICAL

The editor's correspondence: analysis of patterns appearing in selected specialty and general journals. Spodick DH, et al. **Am J Cardiol** 1983 Dec 1;52(10):1290–2

Certification of clinical nutrition specialists: the current role of the American Board of Nutrition [editorial] Howard L. **Am J Clin Nutr** 1983 Nov;38(5):811–2

Intensive care—what's in a name? [letter] Worthley LI. **Anaesth Intensive Care** 1984 May;12(2):173–4

Consultation outcomes. The psychiatrist as consultee. Mackenzie TB, et al. **Arch Gen Psychiatry** 1983 Nov; 40(11):1211–4

How good is communication between primary care physicians and subspecialty consultants? McPhee SJ, et al. **Arch Intern Med** 1984 Jun;144(6):1265–8

Meeting the challenge of cost containment: issues for the

specialist. Kurtz CW. **Ariz Med** 1984 Jan;41(1):36–9
Part time senior registrars, registrars, and senior house officers in general medicine and its specialties: a report to the Royal College of physicians. Burke CW, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1040–4
Part time training in general medical specialties: is it any use? Burke CW. **Br Med J [Clin Res]** 1983 Oct 8; 287(6398):1037–9
Choosing a specialty. Richards P. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):898–9
Certification of specialists: survey of candidates and review of the literature. Adamson GD, et al. **Can Med Assoc J** 1984 Mar 1;130(5):586–90
Pulmonary medicine and science. Another look at the future by those who will direct it [editorial] Scoggin CH, et al. **Chest** 1984 Sep;86(3):346–8
Multispecialty critical care medicine [editorial] Weil MH, et al. **Crit Care Med** 1984 Aug;12(8):691
Chossing a career and specialty: when do students decide? Czinkota MR, et al. **Health Care Manage Rev** 1983 Fall; 8(4):43–51
Behold, the gatekeeper cometh. Weary PE. **Int J Dermatol** 1984 Jan–Feb;23(1):33–5
Reverse consultations: the profiles of patients referred from subspecialists to generalists. Greenfield S, et al. **J Chronic Dis** 1983;36(12):883–9
Predicting medical specialty choice: a model based on students' records. Fadem BH, et al. **J Med Educ** 1984 May; 59(5):407–15
Gender composition of medical schools and specialty choices of graduates. Weisman CS. **J Med Educ** 1984 Apr; 59(4):347–9
JAMA reference directories. **JAMA** 1983 Oct 21; 250(15):1960–5
JAMA reference directories. **JAMA** 1983 Oct 28; 250(16):2117, 2121–4
Medical geography. An emerging discipline. Mayer JD. **JAMA** 1984 May 25;251(20):2680–3
Cut down proliferation of medical specialty certifications [letter] Vladutiu AO. **JAMA** 1983 Nov 4;250(17):2284
Interspecialty variation in office-based care. Greenwald HP, et al. **Med Care** 1984 Jan;22(1):14–29
Specialist referral [letter] McKellar CC. **Med J Aust** 1984 Feb 4;140(3):179
The relationship between emergency room patient diagnoses and medical officer of the day training in a small military hospital. Ocrant I, et al. **Milit Med** 1984 Jul;149(7):366–8
Clinical epidemiology defined [letter] Grufferman S, et al. **N Engl J Med** 1984 Aug 23;311(8):541–2
Specialists in juvenile delinquency. Philipp E, et al. **NZ Med J** 1984 Jun 13;97(757):370–2
The most popular specialties in Ohio. **Ohio State Med J** 1984 Aug;80(8):591, 597
Medical schools affect student practice plans. Cooper GS, et al. **Penn Med** 1983 Nov;86(11):51–2
The underrepresented in graduate medical education and medical research. Pinn VW. **Public Health Rep** 1984 Jan–Feb;99(1):53–8
The nature of an infectious disease practice in a community hospital. Tanner MH, et al. **Rev Infect Dis** 1983 Nov–Dec; 5(6):1049–60
Sex-stereotyping and sex-congruency: components in the sex role definition of medical specialties in India. Bhargava G. **Soc Sci Med** 1983;17(15):1017–26
Patterns of diagnostic testing in the academic setting: the influence of medical attendings' subspecialty training. Manu P, et al. **Soc Sci Med** 1983;17(18):1339–42
Podiatry: a medical care specialty in quest of full professional status and recognition. Skipper JK Jr, et al. **Soc Sci Med** 1983;17(20):1541–8
Career preference enquiry among Queen's University medical undergraduates and graduates: Stage III. Egerton EA. **Ulster Med J** 1984;53(1):93–7
[Indications for the examination of a child in a specialized pulmonary medicine clinic] Křepela K, et al. **Cesk Pediatr** 1984 Mar;39(3):158–60 (Eng. Abstr.) **(Cze)**
[Effect of degree of specialization on the chances for success in cancer therapy] Ebeling K. **Z Arztl Fortbild (Jena)** 1983; 77(13):556–60 **(Ger)**
[The internal medicine dispute: generalists versus specialists] Ravid M. **Harefuah** 1984 Jan 15;106(2):83–4 **(Heb)**
[Cardiology specialization program as an example for other disciplines] Wasyluk J, et al. **Kardiol Pol** 1983;26(6):535–51 **(Pol)**
[Creation of a model of the specialist in the training of physician-hygienists and epidemiologists] Rumiantsev GI, et al. **Gig Sanit** 1984 Jan;(1):32–4 **(Rus)**
[Experience of the primary graduate specialization (probationary apprenticeship) of hygienists and epidemiologists] Tkachev PG. **Gig Sanit** 1983 Nov; (11):47–50 **(Rus)**
[Complex activities of specialists of the Central District Hospital] Karpov PF, et al. **Sov Zdravookhr** 1983;(12):34–7 (Eng. Abstr.) **(Rus)**
[Specialty certification system: an ad portas delayed reality] Rosselot E. **Rev Med Chil** 1983 Oct;111(10):1061–3 (Eng. Abstr.) **(Spa)**

ECONOMICS

Medicaid participation by medical and surgical specialists. Mitchell JB. **Med Care** 1983 Sep;21(9):929–38

HISTORY

Technology, specialization, and the allied health professions. Reiser SJ. **J Allied Health** 1983 Aug;12(3):177–82
Geriatrics: a specialty in search of specialists. Haber C. **Z Gerontol** 1984 Jan–Feb;17(1):26–31
[Development of Czechoslovak diabetology during the past 60 years] Syllaba J. **Vnitr Lek** 1984 Apr;30(4):401–5 **(Cze)**

MANPOWER

Physicians in alcoholism: a study of current status and future needs. Galanter M, et al. **Alcoholism (NY)** 1983 Fall; 7(4):389–92
Osteopathic physician location and specialty choice. Denslow JS, et al. **J Med Educ** 1984 Aug;59(8):655–61
Estimates of physician requirements for 1990 for the specialties of neurology, anesthesiology, nuclear medicine, pathology, physical medicine and rehabilitation, and radiology. A further application of the GMENAC methodology. Bowman MA, et al. **JAMA** 1983 Nov 18; 250(19):2623–7
Surgery and the GMENAC report: a reality test. Williams DC. **Surgery** 1984 Mar;95(3):347–52
[Specialists in unemployment insurance] van der Meer J. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1740–1 **(Dut)**
[Density and activity of physicians in Belgium. Current situation, development and perspectives] Leroy X. **Cah Sociol Demogr Med** 1984 Apr–Jun;24(2):157–81 **(Fre)**
[Young general practitioners. Developments from 1979 to 1982] Rochefort R, et al. **Cah Sociol Demogr Med** 1984 Apr–Jun;24(2):97–123 **(Fre)**

STANDARDS

Should geriatrics be reserved for geriatricians? Pasternak DP, et al. **J Fam Pract** 1984 Feb;18(2):325–8
[Improved professional direction of future nutritional hygiene specialists] Troitskiĭ VV, et al. **Gig Sanit** 1984 Jun;(6):38–9 **(Rus)**
[Improvement in the work of provincial specialists] Logvinenko IA, et al. **Sov Zdravookhr** 1984;(6):46–9 **(Rus)**

TRENDS

Union organizing newest medical specialty? Schwartz H. **Penn Med** 1983 Sep;86(9):41–2
Influencing change: perspectives from a conference on graduate medical education. Gross ML, et al. **Public Health Rep** 1984 Jan–Feb;99(1):42–6
[ENT health care for the child—a special task?] Wigand ME. **Laryngol Rhinol Otol (Stuttg)** 1984 Mar;63(3):99–100 (Eng. Abstr.) **(Ger)**
[Laboratory medicine. Presentation of a new specialty] Gabl F. **Wien Klin Wochenschr** 1983 Nov 25;95(22):777–8 **(Ger)**
[Post-diploma training of doctors] Zhukov VA. **Sov Zdravookhr** 1983;(10):47–9 (Eng. Abstr.) **(Rus)**
[The problem of integration in clinical gastroenterology] Loginov AS. **Ter Arkh** 1984;56(2):3–5 **(Rus)**

SPECIALTIES, NURSING

Specialty teams in home care. Weinstein SM. **Am J Nurs** 1984 Mar;84(3):342–5
The enterostomal therapist. An OR resource. Ritter MG. **AORN J** 1984 Feb;39(2):190–3
Advanced cardiac life support training course for emergency and critical care nurses. Catellani CA, et al. **Heart Lung** 1984 Jul;13(4):387–8
The scientific basis for critical care nursing practice: 1972 to 1982. Kinney MR. **Heart Lung** 1984 Mar;13(2):116–23 (80 ref.)
The anatomy of a profession. Styles MM. **Heart Lung** 1983 Nov;12(6):570–5
The neuro nurse specialist—present and future considerations. Lipe HP, et al. **J Neurosurg Nurs** 1983 Oct; 15(5):317–9
The neurosurgical nurse in the courtroom. Wille R. **J Neurosurg Nurs** 1984 Apr;16(2):107–8
Staff counseling specialist. Responding sensitively to workers. Tebbitt BV, et al. **J Nurs Adm** 1984 Sep;14(9):22–6
Cancer nursing an international perspective: development of cancer nursing in the United States. Hilkemeyer R. **Prog Clin Biol Res** 1983;132E:413–22
An innovative oncology curriculum for nurses practicing within a regional network. Markham LA, et al. **Prog Clin Biol Res** 1984;156:425–9
Cancer nursing in a comprehensive cancer center. Park D. **Prog Clin Biol Res** 1983;132E:441–7
The development of oncology nursing in the United Kingdom. Tiffany R. **Prog Clin Biol Res** 1983;132E:435–40
The need for nurses. Turner T. **Vet Rec** 1984 Mar 10; 114(10):233

STANDARDS

The AANN conceptual framework. The Standards Committee. **J Neurosurg Nurs** 1984 Apr;16(2):117–20

TRENDS

Will critical care nursing survive? [letter] Sims C. **Heart Lung** 1984 Mar;13(2):210

SPECIALTIES, SURGICAL

Education of the surgical specialist. Smith RJ. **J Hand Surg** 1983 Sep;8(5 Pt 1):509–15
Presidential address: the development and purpose of a regional vascular society. Ernst CB. **Surgery** 1983 Nov; 94(5):729–35

TRENDS

Care of the injured. Who will do it? Ledgerwood AM. **Am Surg** 1984 Jun;50(6):293–6
Surgical oncology—40 years behind. Rosin RD. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1778–9

SPECIALTY BOARDS see under **CERTIFICATION**

SPECIES SPECIFICITY

Biological similitude: statistical and functional relationships in comparative physiology. Heusner AA. **Am J Physiol** 1984 Jun;246(6 Pt 2):R839–46
The ultrastructure of the tracheal epithelium in European common lizard (Lacerta agilis L.) and in sand lizard (Lacerta vivipara Jacq.). Těšík I. **Anat Anz** 1984; 155(1–5):329–40
Timing competence and timing performance: a cross-species approach. Richelle M, et al. **Ann NY Acad Sci** 1984; 423:254–68
Ontogenesis of circadian sleep–wakefulness rhythms and developmental changes of sleep in the altricial rat and in the precocial guinea pig. Ibuka N. **Behav Brain Res** 1984 Mar;11(3):185–96
Strain differences in sympathetic-adrenal medullary responsiveness and behavior. McCarty R, et al. **Behav Neural Biol** 1984 Jan;40(1):98–113
Mice: progesterone and the regulation of strain differences in pregnancy-induced nest building. Broida J, et al. **Behav Neurosci** 1983 Dec;97(6):994–1004
Some distribution properties of the sample species-diversity indices and their applications. Tong YL. **Biometrics** 1983 Dec;39(4):999–1008
Retinal ganglion cells: properties, types, genera, pathways and trans-species comparisons. Rodieck RW, et al. **Brain Behav Evol** 1983;23(3–4):121–64
Circadian variations of noradrenaline, 5-hydroxytryptamine and dopamine in specific brain areas of C57Bl/6 and BALB/c mice. Kempf E, et al. **Brain Res** 1982 Jan 28; 232(2):472–8
Gustatory neural responses in three different strains of mice. Ninomiya Y, et al. **Brain Res** 1984 Jun 8;302(2):305–14
Dopamine synthesis in inbred mouse strains which differ in numbers of dopamine neurons. Sved AF, et al. **Brain Res** 1984 Jun 15;303(2):261–6
Strain differences in brain alpha2- and beta-adrenergic receptor binding in dystrophic mice. Wilkinson M, et al. **Brain Res Bull** 1983 Dec;11(6):743–5
Haemoglobin typing as an aid to species indentification. Raymond MA, et al. **Cent Afr J Med** 1983 Mar;29(3):51–3
A lamprey lens protein related to avian and reptilian delta crystallin. de Pomerai DI, et al. **Curr Eye Res** 1984 May; 3(5):729–35
The synthesis of cyclooxygenase products in ocular tissues of various species. Kulkarni PS, et al. **Curr Eye Res** 1984 Mar;3(3):447–52
Olfaction mediated developmental transition in the altricial newborn of selected species of mammals. Rosenblatt JS. **Dev Psychobiol** 1983 Sep;16(5):347–75
On the variation of toxic effects over species, its cause, and analysis by 'structure-selectivity relations'. Smissaert HR, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):294–302
A comparison of life span characteristics in Drosophila. Schnebel EM, et al. **Exp Gerontol** 1983;18(5):325–37
Distribution and morphology of nociceptive cells in the CNS of three species of leeches. Johansen J, et al. **J Comp Neurol** 1984 Jun 20;226(2):263–73
Social olfaction in male brown lemmings (Lemmus sibiricus = trimucronatus) and collared lemmings (Dicrostonyx groenlandicus): I. Discrimination of species, sex, and estrous condition. Huck UW, et al. **J Comp Psychol** 1984 Mar;98(1):54–9
Comparison of brain structure volumes in Insectivora and Primates. III. Main olfactory bulb (MOB). Baron G, et al. **J Hirnforsch** 1983;24(5):551–68
Allometrical studies in the brain of cyclostomes. Ebinger P, et al. **J Hirnforsch** 1983;24(5):545–50
Comparative anatomical studies on the cerebellar nuclei of the pangolins. Ishimoto Y. **J Hirnforsch** 1983;24(5):575–89
Different ways of being a mouse [news] Lawton JH. **Nature** 1984 May 10–16;309(5964):112
Neural systems and the inhibitory modulation of agonistic behavior: a comparison of mammalian species. Albert DJ, et al. **Neurosci Biobehav Rev** 1984 Spring;8(1):5–24 (252 ref.)
Postmortal decay of acetylcholine levels in the spinal cord of rat, chicken and frog. Molinengo L, et al. **Neurosci Lett** 1984 Mar 23;45(2):181–5
Neurochemical correlates of tolerance and strain differences in the neurochemical effects of ethanol. Kiianmaa K, et

al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:383–8
The swift increase in alcohol metabolism (SIAM) in four inbred strains of mice. Thurman RG, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:171–5
Species-restricted encephalitogenic determinants. Alvord EC Jr. **Prog Clin Biol Res** 1984;146:523–37
Myelin basic protein speciation. Martenson RE. **Prog Clin Biol Res** 1984;146:511–21
Comparative studies on nutritional and physiological characteristics of Vibrio parahaemolyticus originating from Germany, Togo and Peru. Heinemeyer EA. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):443–55
[Extrapolation of animal studies to reactions in man] Klinger W, et al. **Pharmazie** 1983 Sep;38(9):621–3 **(Ger)**
[Determination of maggot species of forensically significant blow flies] Reiter C, et al. **Z Rechtsmed** 1983;90(4):309–16 (Eng. Abstr.) **(Ger)**
[Extrapolation to humans of the results of carcinogenicity tests] Turusov VS, et al. **Vopr Onkol** 1984;30(6):3–16 (55 ref.) **(Rus)**

SPECIFIC GRAVITY

Assessment of a solid-phase reagent for urinary specific gravity determination. Chu SY, et al. **Clin Biochem** 1984 Feb;17(1):34–6
Further discussion of a urine specific gravity test strip [letter] Kirschbaum BB. **Clin Chem** 1984 Jan;30(1):161
Specific gravity increases and brain water content decreases during short epileptiform seizures in discrete rabbit brain areas. Nitsch C, et al. **J Neurol Sci** 1984 May;64(2):119–29

SPECIFIC PATHOGEN FREE see under **GERM-FREE LIFE**

SPECIMEN HANDLING

Morphometric analysis of the corpus luteum of 16-day pregnant rats: the effect of preparative procedures on volume of luteal cells, interstitial, and vascular compartments. Dharmarajan AM, et al. **Am J Anat** 1983 Sep;168(1):51–65
Storage and transportation of samples for analysis of terminal transferase by indirect immunofluorescence. Barr RD, et al. **Am J Clin Pathol** 1984 May;81(5):660–1
Sucrose phosphate glutamate for combined transport of chlamydial and viral specimens. Warford AL, et al. **Am J Clin Pathol** 1984 Jun;81(6):762–4
On being a sensuous technician. Peele G, et al. **Am J Dermatopathol** 1983 Dec;5(6):591–2
The anaesthetic management of bone marrow harvest for transplantation. Filshie J, et al. **Anaesthesia** 1984 May; 39(5):480–4
High-performance liquid chromatographic determination of di(2-ethylhexyl) phthalate in blood stored in PVC blood bags. Bhujle VV, et al. **Analyst** 1984 Feb;109(2):177–8
Effect of methods of platelet resuspension on stored platelets. Kiraly T, et al. **Ann Clin Lab Sci** 1984 Sep-Oct;14(5):366–70
Dried filter paper for sending dysenteric faeces to the laboratory. A neglected method? Mutwewingabo A, et al. **Ann Soc Belg Med Trop** 1984 Mar;64(1):51–5
Some factors affecting determination of carotenoids in serum. Mathews-Roth MM, et al. **Clin Chem** 1984 Mar; 30(3):459–61
A pseudoepidemic due to Salmonella typhimurium. Harris AA, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):335–7
A urine collector for separating the initial, midstream and final portions of voided urine in infancy and early childhood. Kenda RB, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):201–4
Effects of overnight refrigeration on the microscopic evaluation of sputum. Penn RL, et al. **J Clin Microbiol** 1984 Feb;19(2):161–3
Enhanced virus isolation by use of the transporter for a regional laboratory. Warford AL, et al. **J Clin Microbiol** 1984 Apr;19(4):561–2
A risk of inaccuracy in biochemical analysis of urinary stone-forming salts. Koide T, et al. **J Urol** 1984 Sep; 132(3):486–9
An assessment of Stuart's transport medium in the diagnosis of gonorrhoea. Lee CH, et al. **Med J Malaysia** 1983 Mar; 38(1):23–6
Specimen collection and transport, anaerobic culture techniques, and identification of anaerobes. Citron DM. **Rev Infect Dis** 1984 Mar-Apr;6 Suppl 1:S51–8
Serum digoxin levels—a cost/benefit analysis. Skene DJ, et al. **S Afr Med J** 1984 Jan 7;65(1):15
The polymorphs of calcium carbonate in human gall stones. Bogren HG. **Scand J Clin Lab Invest** 1983 Sep;43(5):371–5
The analytical variation and mean difference of serum lipid values in duplicate samples subjected to different times of storage. Haider T, et al. **Scand J Clin Lab Invest** 1983 Sep; 43(5):439–43
Diagnostic considerations and sample collection for anaerobic bacteria. Bergan T. **Scand J Gastroenterol [Suppl]** 1983;85:5–14
[Effect of the choice of sampling swabs and handling of tubes on the results of Chlamydia cultures] Märdh PA. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2-3):41–7 (Eng. Abstr.) **(Fre)**
[Cytochemistry of white blood cells under different storage conditions. Personal observations and overview of the literature] Oehmichen M, et al. **Beitr Gerichtl Med** 1983; 41:283–301 (58 ref.) (Eng. Abstr.) **(Ger)**
[Seroepidemiological surveys. Collection, transport and storage of samples] Guimarães MC. **Rev Inst Med Trop Sao Paulo** 1983 Mar-Apr;25(2):93–6 (Eng. Abstr.) **(Por)**

INSTRUMENTATION

The Isaacs Endometrial Cell Sampler. An evaluation in 100 patients with postmenopausal bleeding. Bamford DS, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):101–4
A modified segregator for collection of human submandibular and sublingual saliva. Parr GR, et al. **Arch Oral Biol** 1984; 29(1):69–71
A simple device for the collection of cells sorted by flow cytometry. Patrick CW, et al. **Cytometry** 1984 May; 5(3):308–11
An individualized plastic intraoral device for the collection of human parotid saliva. Wagner SA, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):236–9
Specimen holder improvements for the study of amphibian skin pigmentation. Hedin CA. **J Microsc** 1983 Oct;132 (Pt 1):125–8
A section press and low elemental support for enhanced preparation of freeze-dried cryosections. Tvedt KE, et al. **J Microsc** 1984 Mar;133 (Pt 3):285–90
Effect of specimen support film in solid phase immunoelectron microscopy. Pegg-Feige K, et al. **J Virol Methods** 1983 Dec;7(5–6):315–9
A fluid exchange apparatus for the processing of biological specimens for electron microscopy. Brown JN. **Microsc Acta** 1983 May;87(3):329–33
A simple, inexpensive sterile vitreous specimen collection device with peyman vitreophage. Chen CJ, et al. **Ophthalmic Surg** 1983 Aug;14(8):690–2
The use of a versatile specimen holder to prepare cultured cells for scanning electron microscopy. Evers P, et al. **Scan Electron Microsc** 1983;(Pt 1):333–42
Tube for sampling of uncontaminated small-bowel juice. Nørby Rasmussen S, et al. **Scand J Gastroenterol** 1983 May; 18(3):359–63
Sampling of high concentrations of airborne fungi. Blomquist G, et al. **Scand J Work Environ Health** 1984 Apr; 10(2):109–13
[Apparatus for careful and standardized preparation of sensitive biopsy material for electron microscopy] Wolf B, et al. **Mikroskopie** 1983 Sep;40(7–8):232–6 (Eng. Abstr.) **(Ger)**
[Basis for the selection of the dimensions of a shielded-handling box unit for work with pathogenic agents] Bortkevich VS, et al. **Gig Sanit** 1983 Jul;(7):61–3 **(Rus)**
[Test tube for collecting slowly secreted biological fluids] Upyrev AV, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):126–7 **(Rus)**

METHODS

Collection of human oocytes for in vitro fertilization. Lauritsen JG. **Acta Obstet Gynecol Scand** 1983;62(4):333–6
Is the clean-catch midstream void procedure necessary for obtaining urine culture specimens from men? Lipsky BA, et al. **Am J Med** 1984 Feb;76(2):257–62
The preparation of human cross sections. Boushey DR, et al. **Anat Rec** 1983 Oct;207(2):379–83
Influence of sampling time on salivary oestriol concentrations in pregnant women. Cusick PE, et al. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):22–5
Blood-handling precautions and the human T-leukemia virus [letter] Franson TR, et al. **Ann Intern Med** 1984 May; 100(5):765
Processing and transport of environmental virus samples. Dahling DR, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1272–6
Immunological stability of an elapid venom, Tropidechis carinatus, and its relevance to the clinical detection of snake venom. Morrison JJ, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):489–95
In vivo removal of the horny layer with formic acid. Lehmann P, et al. **Br J Dermatol** 1983 Sep;109(3):313–20
Sampling of porous hard tissues in vitro by acid etching. Patterson CM, et al. **Caries Res** 1984;18(3):231–6
Storage of breath samples [letter] Bentley D, et al. **Clin Chem** 1984 Jan;30(1):153
Collection and handling of 24-hour urine specimens for measurement of analytes related to renal calculi. Ng RH, et al. **Clin Chem** 1984 Mar;30(3):467–71
Preparation and stability of sixteen murine tissues and organs for flow cytometric cell cycle analysis. Burns ER, et al. **Cytometry** 1983 Sep;4(2):150–60
Intrarenal venous glucose levels in the dog: an evaluation of the sampling technique. Peterson TV, et al. **Experientia** 1983 Nov 15;39(11):1286–7
Biological fluids. Collection, preservation and artefact control. Archer MC, et al. **IARC Sci Publ** 1983;45:245–53
Collection of tracheal aspirates in horses. Greet TR. **In Pract** 1982 Sep;4(5):148
Blotting paper strip for the transport of stool specimens for laboratory diagnosis of cholera. Huq MI, et al. **Indian J Med Res** 1983 Dec;78:765–8
Creutzfeldt-Jakob disease: procedures for handling diagnostic and research materials. Bastian FO, et al. **Infect Control** 1984 Jan;5(1):48–50
The effect of collection technique on tear composition. Stuchell RN, et al. **Invest Ophthalmol Vis Sci** 1984 Mar; 25(3):374–7
Comparison of polyvinyl alcohol- and formalin-preserved fecal specimens in the formalin-ether sedimentation technique for parasitological examination. Carroll MJ, et al. **J Clin Microbiol** 1983 Nov;18(5):1070–2
Comparison of Transgrow and Gonozyme for the detection of Neisseria gonorrhoeae in mailed specimens. Martin R, et al. **J Clin Microbiol** 1984 Jun;19(6):893–5
Enhanced isolation of Campylobacter jejuni by cold enrichment in Campy-thio broth. Rubin SJ, et al. **J Clin Microbiol** 1983 Oct;18(4):1008–10
Evaluation of transport media for Campylobacter jejuni in human fecal specimens. Wang WL, et al. **J Clin Microbiol** 1983 Oct;18(4):803–7
Evaluation of liquid and lyophilized preservatives for urine culture. Weinstein MP. **J Clin Microbiol** 1983 Oct; 18(4):912–6
Rheology of sputum collected by a simple technique limiting salivary contamination. Puchelle E, et al. **J Lab Clin Med** 1984 Mar;103(3):347–53
Mica: a convenient support for biological SEM specimens in a TEMSCAN microscope. Johansen BV, et al. **J Microsc** 1983 Oct;132 (Pt 1):67–9
Handling and storage of human milk specimens for research. Hamosh M, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar; 3(2):284–9
The resistance of the mouse uterine lumen to flushing and possible contamination of samples by plasma and interstitial fluid. Milligan SR, et al. **J Reprod Fertil** 1984 May; 71(1):81–7
Immunoelectron microscopic localization of rabies virus antigen in central nervous system and peripheral tissue using low-temperature embedding and protein A-gold. Burrage TG, et al. **J Virol Methods** 1983 Dec;7(5–6):337–50
Novel technique for collection and storage of biological samples [letter] Potkin SG, et al. **Lancet** 1983 Dec 3; 2(8362):1304
Ductus thoracicus lymph in mice. 1. A technique for cervical approach. Lindena J, et al. **Lymphology** 1983 Dec; 16(4):243–6
Pregnancy after percutaneous transvesical ultrasound-guided follicle aspiration for in-vitro fertilization. de Crespigny LC, et al. **Med J Aust** 1984 Jan 7;140(1):31–2
Use of single voided urine samples to estimate quantitative proteinuria. Ginsberg JM, et al. **N Engl J Med** 1983 Dec 22;309(25):1543–6
A method of preparing single renal tubules for electron microprobe analysis. Györy AZ, et al. **Pflugers Arch** 1983 Nov;399(3):241–2
Value of urine glucose tests in the management of type II diabetes mellitus. Results of a study of the double-void technique. McCarthy J. **Postgrad Med** 1984 Sep 1;76(3):204, 206, 210
Chorionic villi sampling: a new technique for detection of genetic abnormalities in the first trimester. Cadkin AV, et al. **Radiology** 1984 Apr;151(1):159–62
Comparison of an open and a closed tube system for collection of jejunal juice. Nørby Rasmussen S, et al. **Scand J Gastroenterol** 1983 May;18(3):353–7
A method for the determination of ethylenediamine in workroom air. Hansén L, et al. **Scand J Work Environ Health** 1984 Apr;10(2):95–8
Quantitative disk method for storage of Neisseria gonorrhoeae. McBride ME. **Sex Transm Dis** 1983 Jul-Sep; 10(3):111–3
The isolation of Neisseria gonorrhoeae: a comparison of three culture transport systems. Spence MR, et al. **Sex Transm Dis** 1983 Jul-Sep;10(3):138–40
A new method using hexamethyldisilazane for preparation of soft insect tissues for scanning electron microscopy. Nation JL. **Stain Technol** 1983 Nov;58(6):347–51
Biopsy-cucumber unit: improved method for preparing bladder biopsy specimens. Watson RA, et al. **Urology** 1984 Apr;23(4):392–3
[Method for collecting lymph from the heart of a dog] Baldzhiev V, et al. **Eksp Med Morfol** 1983;22(1):50–2 **(Bul)**
[A review of the literature on the collection and evaluation of dog sperm] Hendrikse J. **Tijdschr Diergeneeskd** 1984 Mar 1;109(5):175–9 (Eng. Abstr.) **(Dut)**
[Methodological aspects of urinary enzymology] Maruhn D. **Z Gesamte Inn Med** 1983 Nov 1;38(21):557–64 (107 ref.) (Eng. Abstr.) **(Ger)**
[Notes on handling the clinical specimens from patients with AIDS or similar conditions] Kawai T. **Rinsho Byori** 1983 Dec;31(12):1366–8 **(Jpn)**
[Coupled column chromatography using hydrophilic gel permeation column to clean up biological fluid] Shimizu T, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1174–9 (Eng. Abstr.) **(Jpn)**
[Usefulness of the bacteriological transport kit no. 1 in maxillofacial surgery and stomatology] Lewandowski B, et al. **Wiad Lek** 1983 Dec 1;36(23):1957–62 (Eng. Abstr.) **(Pol)**
[Low-temperature fixation of electron microscopy specimens] Belavtseva EM, et al. **Biofizika** 1983 Nov-Dec; 28(6):958–61 (Eng. Abstr.) **(Rus)**
[Organization of a centralized supply of cultured cells to

virological laboratories] Golubchik IS, et al. **Lab Delo** 1984; (1):50–2 (Eng. Abstr.) **(Rus)**

[Treatment of pathological material for the inoculation of Mycobacterium tuberculosis] Tsimmer BIa. **Lab Delo** 1984; (4):249–50 (Eng. Abstr.) **(Rus)**

[Experimental method of long-term collection of regional lymph] Turaev PI, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):71–2 **(Rus)**

STANDARDS

Preanalytic variables. A management problem. Fody EP. **Clin Lab Med** 1983 Sep;3(3):525–40 (57 ref.)

I.3 Problems of contamination and artefact formation in nitrosamine sampling and analysis. Eisenbrand G, et al. **IARC Sci Publ** 1983;45:25–34

The biopsy specimen—its value and limitations. An open letter to surgeons and pathologists. Reid JD. **JPMA** 1983 Jun;33(6):139–46

Suggested guidelines for work with live Trypanosoma cruzi. **Trans R Soc Trop Med Hyg** 1983;77(3):416–9

VETERINARY

The effect of collection method and housing system on semen production and fertility of Alabio drakes. Setioko AR, et al. **Br Poult Sci** 1984 Apr;25(2):167–72

Evaluation of two seminal collection regimens for mature Holstein bulls. Lorton SP, et al. **J Anim Sci** 1984 Jan; 58(1):1–5

Novel device for quantitatively collecting small volumes of urine from laboratory rats. Jackson AJ, et al. **J Pharm Sci** 1984 Jun;73(6):816–8

A practical approach to diagnosis of swine diseases. Goodman DE. **Mod Vet Pract** 1984 Jan;65(1):25–7

Obtaining samples for the laboratory. Ruehl WW, et al. **Mod Vet Pract** 1984 Feb;65(2):103–6

An improved method for obtaining semen from Muscovy drakes and some of its quantitative and qualitative characteristics. Gvaryahu G, et al. **Poult Sci** 1984 Mar; 63(3):548–53

Effect of temperature and method of semen collection on the viability of turkey spermatozoa. Sexton TJ. **Poult Sci** 1984 Apr;63(4):844–6

Submission of diagnostic samples to a laboratory. Harrison LR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Mar;14(2):165–72

[Diagnostic importance of the manganese content of cattle hair. 3. Cleaning the hair, a prerequisite for the determination of physiological manganese levels] Mehnert E, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):10–5 (Eng. Abstr.) **(Ger)**

[Finding optimal conditions for sample preparation for the determination of NH3 in the rumen juice of cattle] Mehnert E, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):268–71 (Eng. Abstr.) **(Ger)**

[Effect of storage time and temperature on cortisol level in canine blood specimens] Thun R, et al. **Schweiz Arch Tierheilkd** 1984 May;126(5):261–4 (Eng. Abstr.) **(Ger)**

SPECTACLES see **EYEGLASSES**

SPECTINOMYCIN see **ACTINOSPECTACIN**

SPECTRIN

An electro-optic study of human erythrocyte spectrin dimers. The presence of calcium ions does not alter spectrin flexibility. Mikkelsen A, et al. **Biochim Biophys Acta** 1984 Apr 27;786(1–2):95–102

A reappraisal of the self-association of human spectrin. Morris M, et al. **Biochim Biophys Acta** 1984 Jul 17; 788(1):132–7

Sulfhydryl reagents induce altered spectrin self-association, skeletal instability, and increased thermal sensitivity of red cells. Smith DK, et al. **Blood** 1983 Dec;62(6):1190–6

Erythrocyte spectrin is comprised of many homologous triple helical segments. Speicher DW, et al. **Nature** 1984 Sep 13–19;311(5982):177–80

ANALYSIS

Evidence for a spectrin-like protein as a major component of the synaptosomal membrane cytoskeleton. Hesketh JE, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):437–43

Oligomeric states of spectrin in normal erythrocyte membranes: biochemical and electron microscopic studies. Liu SC, et al. **Cell** 1984 Jun;37(2):587–94

Spectrin and ankyrin in brain. Bennett V, et al. **Cell Motil** 1983;3(5–6):623–33

Gamma actin, spectrin, and intermediate filament proteins colocalize with vinculin at costameres, myofibril-to-sarcolemma attachment sites. Craig SW, et al. **Cell Motil** 1983;3(5–6):449–62

Coelomocyte spectrin. Edds KT, et al. **Cell Motil** 1983; 3(5–6):683–91

Spectrin, fodrin, and TW260/240: a family of related proteins lining the plasma membrane. Glenney JR Jr, et al. **Cell Motil** 1983;3(5–6):671–82

A spectrin-like protein from mouse brain membranes: immunological and structural correlations with erythrocyte spectrin. Goodman SR, et al. **Cell Motil** 1983;3(5–6):635–47

Complexes containing actin and spectrin from erythrocyte and brain. Lin DC, et al. **Cell Motil** 1983;3(5–6):375–82

Dissection of the human erythrocyte spectrin molecule using monoclonal antibodies. Burke BE, et al. **EMBO J** 1982; 1(4):505–8

The p36 substrate of tyrosine-specific protein kinases co-localizes with non-erythrocyte alpha-spectrin antigen, p230, in surface lamina of cultured fibroblasts. Lehto VP, et al. **EMBO J** 1983;2(10):1701–5

Structure of human erythrocyte spectrin. II. The sequence of the alpha-I domain. Speicher DW, et al. **J Biol Chem** 1983 Dec 25;258(24):14938–47

Structure of human erythrocyte spectrin. I. Isolation of the alpha-I domain and its cyanogen bromide peptides. Speicher DW, et al. **J Biol Chem** 1983 Dec 25; 258(24):14931–7

Immunoprecipitation of nonerythrocyte spectrin within live cells following microinjection of specific antibodies: relation to cytoskeletal structures. Mangeat PH, et al. **J Cell Biol** 1984 Apr;98(4):1363–77

Avian lens spectrin: subunit composition compared with erythrocyte and brain spectrin. Nelson WJ, et al. **J Cell Biol** 1983 Oct;97(4):1271–6

Spectrin immunofluorescence distinguishes a population of naturally capped lymphocytes in situ. Repasky EA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):350–5

Monoclonal antibodies detect a spectrin-like protein in normal and dystrophic human skeletal muscle. Appleyard ST, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):776–80

Abnormalities in spectrin structure and function in hereditary pyropoikilocytosis and hereditary elliptocytosis. Lawler J, et al. **Prog Clin Biol Res** 1984;159:191–204

BIOSYNTHESIS

Hereditary elliptocytosis with a spectrin molecular defect in a white patient. Lecomte MC, et al. **Acta Haematol (Basel)** 1984;71(4):235–40

Co-expression of spectrin and fodrin in Friend erythroleukemic cells treated with DMSO. Glenney J, et al. **Exp Cell Res** 1984 May;152(1):15–21

BLOOD

The role of spectrin-dependent ATPase in erythrocyte shape maintenance. Mirčevová L, et al. **Biomed Biochim Acta** 1983;42(11–12):S67–71

GENETICS

Molecular heterogeneity of hereditary pyropoikilocytosis: identification of a second variant of the spectrin alpha-subunit. Lawler J, et al. **Blood** 1983 Dec;62(6):1182–9

Spectrin deficient inherited hemolytic anemias in the mouse: characterization by spectrin synthesis and mRNA activity in reticulocytes. Bodine DM 4th, et al. **Cell** 1984 Jul; 37(3):721–9

Assembly and topogenesis of the spectrin-based membrane skeleton in erythroid development. Lazarides E, et al. **Cell** 1984 Jun;37(2):354–6

Segregation of two spectrin forms in the chicken optic system: a mechanism for establishing restricted membrane-cytoskeletal domains in neurons. Lazarides E, et al. **Cell** 1984 Feb;36(2):269–78

Common structural polymorphisms in human erythrocyte spectrin. Knowles WJ, et al. **J Clin Invest** 1984 Apr; 73(4):973–9

A molecular defect of spectrin in a subset of patients with hereditary elliptocytosis. Alterations in the alpha-subunit domain involved in spectrin self-association. Lawler J, et al. **J Clin Invest** 1984 Jun;73(6):1688–95

ISOLATION & PURIFICATION

Identification of spectrin and protein 4.1-like proteins in mammalian lens. Aster JC, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):726–34

Myotonic dystrophy: fragility of band 3 membrane protein upon resealing of erythrocyte ghosts and the normality of ATPase activity, sialic acid content, and spectrin extractability of ghosts. Tsuchiya Y, et al. **Biochem Med** 1983 Dec;30(3):271–9

Phospholipid asymmetry in the membranes of intact human erythrocytes and in spectrin-free microvesicles derived from them. Raval PJ, et al. **Biochim Biophys Acta** 1984 May 16;772(2):192–6

Spectrin oligomers of the red cell membrane extracts in hereditary spherocytosis. Mařík T, et al. **Biomed Biochim Acta** 1983;42(11–12):S32–7

Isolation of spectrin subunits and reassociation in vitro. Analysis by fluorescence polarization. Yoshino H, et al. **J Biol Chem** 1984 Apr 10;259(7):4496–500

Proteins involved in membrane—cytoskeleton association in human erythrocytes: spectrin, ankyrin, and band 3. Bennett V. **Methods Enzymol** 1983;96:313–24

Isolation of the chemical domains of human erythrocyte spectrin. Knowles WJ, et al. **Methods Enzymol** 1983; 96:305–13

Erythrocyte membrane proteins: detection of spectrin oligomers by gel electrophoresis. Morrow JS, et al. **Methods Enzymol** 1983;96:298–304

METABOLISM

Interaction of anilinonaphtyl labeled spectrin with fatty acids and phospholipids: a fluorescence study. Bonnet D, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):344–50

The interaction of calmodulin with human and avian spectrin. Husain A, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1194–200

On the mechanism for inactivation of cytochalasin binding activity associated with F-actin and spectrin-band 4.1-actin complex by sulfhydryl reagents. Lin DC, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):244–51

Calcium-induced proteolysis of spectrin and band 3 protein in rat erythrocyte membranes. Pant HC, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):372–7

Interaction of spectrin with hemin disaggregates spectrin associations. Avissar N, et al. **Biochem Int** 1984 Jan; 8(1):113–20

Is spectrin a calmodulin-binding protein? Boivin P, et al. **Biochem Int** 1984 Feb;8(2):231–6

Reaction of phenylhydrazine with erythrocytes. Cross-linking of spectrin by disulfide exchange with oxidized hemoglobin. Vilsen B, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2739–48

Interaction between microtubule-associated protein tau and spectrin. Carlier MF, et al. **Biochimie** 1984 Apr; 66(4):305–11

Fodrin is the general spectrin-like protein found in most cells whereas spectrin and the TW protein have a restricted distribution. Glenney JR Jr, et al. **Cell** 1983 Sep; 34(2):503–12

Specific molybdenum binding to spectrin subunits. Mařík T, et al. **Cell Biochem Funct** 1984 Jan;2(1):21–2

Is there any connection between heat inactivation of spectrin-dependent ATPase and loss of smooth biconcave shape of red cells? Mirčevová L, et al. **Cell Biochem Funct** 1983 Oct;1(3):145–6

Binding of HeLa spectrin to a specific HeLa membrane fraction. Mangeat PH, et al. **Cell Motil** 1983;3(5–6):657–69

Identity of p36K phosphorylated upon Rous sarcoma virus transformation with a protein purified from brush borders; calcium-dependent binding to non-erythroid spectrin and F-actin. Gerke V, et al. **EMBO J** 1984 Jan;3(1):227–33

Calmodulin binding to human spectrin. Berglund A, et al. **FEBS Lett** 1984 Jun 25;172(1):109–13

A cyclic AMP-dependent phosphorylation of spectrin dimer. Lutz HU. **FEBS Lett** 1984 Apr 24;169(2):323–9

Spectrin and protein 4.1 as an actin filament capping complex. Pinder JC, et al. **FEBS Lett** 1984 Apr 24;169(2):161–4

Brain ankyrin. Purification of a 72,000 Mr spectrin-binding domain. Davis JQ, et al. **J Biol Chem** 1984 Feb 10; 259(3):1874–81

Hemoglobin enhances the self-association of spectrin heterodimers in human erythrocytes. Liu SC, et al. **J Biol Chem** 1984 Sep 25;259(18):11556–62

Exclusion of erythrocyte-specific membrane proteins from clathrin-coated pits during differentiation of human erythroleukemic cells. Marshall LM, et al. **J Cell Biol** 1984 Jun;98(6):2055–63

Biogenesis of the avian erythroid membrane skeleton: receptor-mediated assembly and stabilization of ankyrin (goblin) and spectrin. Moon RT, et al. **J Cell Biol** 1984 May;98(5):1899–904

Defective binding of spectrin to ankyrin in a kindred with recessively inherited hereditary elliptocytosis. Zail SS, et al. **J Clin Invest** 1984 Sep;74(3):753–62

Spectrin phosphorylation in senescent rat erythrocytes. O'Connell MA, et al. **Mech Ageing Dev** 1983 May; 22(1):51–70

Heterogeneity of spectrin distribution among avian muscle fiber types. Menold MM, et al. **Muscle Nerve** 1984 Jun; 7(5):408–14

Goblin (ankyrin) in striated muscle: identification of the potential membrane receptor for erythroid spectrin in muscle cells. Nelson WJ, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3292–6

Brain fodrin: substrate for calpain I, an endogenous calcium-activated protease. Siman R, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3572–6

Hemoglobin-spectrin interaction under oxidative conditions. Snyder LM, et al. **Prog Clin Biol Res** 1984;159:227–42

Erythrocyte form of spectrin in cerebellum: appearance at a specific stage in the terminal differentiation of neurons. Lazarides E, et al. **Science** 1983 Nov 25;222(4626):931–3

Red cell membrane skeletal defects in hereditary and acquired hemolytic anemias. Palek J, et al. **Semin Hematol** 1983 Jul;20(3):189–224 (224 ref.)

[Phosphorylation of membrane proteins of the human erythrocyte membrane] Herzyk E. **Postepy Biochem** 1982; 28(3):251–77 (203 ref.) **(Pol)**

[Pyruvate and glucose transport through the erythrocyte membranes and the role of spectrin in these processes] Kozlova NM, et al. **Biofizika** 1983 Sep–Oct;28(5):826–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Structure and function of erythrocyte membrane spectrin. Marchesi VT. **Ann NY Acad Sci** 1983;416:159–65

A new membrane concept for viscous RBC deformation in shear: spectrin oligomer complexes as a Bingham-fluid in shear and a dense periodic colloidal system in bending. Schmid-Schönbein H, et al. **Ann NY Acad Sci** 1983; 416:225–54 (48 ref.)

Inhibition of malarial invasion of red cells by chemical and immunochemical linking of spectrin molecules. Dluzewski

AR, et al. **Br J Haematol** 1983 Dec;55(4):629–37
Actin–membrane interaction. 2nd International Conference on Biological Structure. April 10–13, 1983, University of North Carolina, Chapel Hill. **Cell Motil** 1983;3(5–6):1–725
Spectrin: structure, function, and abnormalities. Knowles W, et al. **Semin Hematol** 1983 Jul;20(3):159–74 (69 ref.)
[Molecular interactions of membrane proteins and erythrocyte deformability] Boivin P. **Pathol Biol (Paris)** 1984 Jun;32(6):717–35 (308 ref.) (Eng. Abstr.) (Fre)

SPECTROFLUOROMETRY see SPECTROMETRY, FLUORESCENCE

SPECTROMETRY, FLUORESCENCE

Urinary pteridines on patients suffering from cancer. A comment on the method and results of Rao and associates and of Trehan and associates. Hausen A, et al. **Cancer** 1984 Apr 1;53(7):1634–6
Time–resolved fluorescence spectroscopy of hematoporphyrin–derivative in human lymphocytes. Docchio F, et al. **Chem Biol Interact** 1984 Jul;50(2):135–41
In situ evaluation of the functional state of chromatin by means of Quinacrine Mustard staining and time–resolved fluorescence microscopy. Bottiroli G, et al. **Histochem J** 1984 Mar;16(3):223–33
Microspectrofluorometry of carcinogens in living cells. Kohen E, et al. **Histochemistry** 1983;79(1):31–52
Fluorophors and chromophors from rat lens crystallins in UV with hydroxykynurenine. Bando M, et al. **Invest Ophthalmol Vis Sci** 1984 May;25(5):581–5
Chromaffin reactions and fluorometric determination of catecholamines in the neonatal adrenal medulla of the rat. Piezzi RS, et al. **J Histochem Cytochem** 1983 Dec; 31(12):1351–5
Fluorescence–line–narrowed spectra of polycyclic aromatic carcinogen–DNA adducts. Heisig V, et al. **Science** 1984 Jan 20;223(4633):289–91
[Ocular fluorophotometry in patients with essential hypertension] Kayazawa F, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1337–40 (Eng. Abstr.) (Jpn)
[Fast reaction analysis and calcium binding proteins] Iio T. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):123–33 (35 ref.) (Jpn)
[Mechanisms of increasing the intensity of ultraviolet fluorescence of irradiated cells] Zhulkov AG. **Radiobiologiia** 1984 May–Jun;24(3):380–3 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Thin–layer fluorescence cell for ligand binding studies. Decker H, et al. **Anal Biochem** 1983 Dec;135(2):363–8
Determination of the formal reduction potential, the electron stoichiometry, and the magnitude of the conformational change upon reduction for cytochrome c from potential–dependent fluorescence spectra. Simone MJ, et al. **Anal Biochem** 1983 Jul 1;132(1):142–6
Vitreous fluorophotometry for clinical research. I. Description and evaluation of a new fluorophotometer. Zeimer RC, et al. **Arch Ophthalmol** 1983 Nov; 101(11):1753–6
A continuously variable frequency cross–correlation phase fluorometer with picosecond resolution. Gratton E, et al. **Biophys J** 1983 Dec;44(3):315–24
Robust estimation in pulse fluorometry. A study of the method of moments and least squares. Isenberg I. **Biophys J** 1983 Aug;43(2):141–8

METHODS

A correction method for ionic strength–independent fluorescence photometric pH measurement. Opitz N, et al. **Adv Exp Med Biol** 1984;169:907–12
Picomole analyses of tryptophan by derivatization to 9–hydroxymethyl–beta–carboline. Inoue S, et al. **Anal Biochem** 1983 Jul 15;132(2):468–80
A method for eliminating Rayleigh scattering from fluorescence spectra. Kells DI, et al. **Anal Biochem** 1984 Jun;139(2):316–8
A microfluorometric assay for cholinesterases, suitable for multiple kinetic determinations of picomoles of released thiocholine. Parvari R, et al. **Anal Biochem** 1983 Sep; 133(2):450–6
Multifrequency phase and modulation fluorometry. Gratton E, et al. **Annu Rev Biophys Bioeng** 1984;13:105–24 (62 ref.)
Vitreous fluorophotometry for clinical research. II. Method of data acquisition and processing. Zeimer RC, et al. **Arch Ophthalmol** 1983 Nov;101(11):1757–61
Spectrofluorometric determination of mercury (II) in river waters with rhodamine B. Momirović–Culjat J, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):217–28
7–Glycidoxycoumarin (GOC): a fluorophotometric epoxide substrate for the assay of glutathione S–transferase activity. Watabe T, et al. **Biochem Pharmacol** 1984 Jun 15; 33(12):1839–44
Extension of the performance of Laplace deconvolution in the analysis of fluorescence decay curves. Ameloot M, et al. **Biophys J** 1983 Oct;44(1):27–38
Fluorescence correlation spectroscopy and photobleaching recovery of multiple binding reactions. I. Theory and FCS measurements. Icenogle RD, et al. **Biopolymers** 1983 Aug; 22(8):1919–48
Resolution of multiple fluorescence lifetimes in heterogeneous systems by phase–modulation fluorometry. Dalbey RE, et al. **J Biochem Biophys Methods** 1984 Jul; 9(3):251–66
Fluorometric assay for anti–DNA antibodies: use of ethidium bromide as intercalating dye. Ali A, et al. **J Clin Lab Immunol** 1984 May;14(1):45–8
[Fluorophotometry with carboxyfluorescein] Ogura Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):230–5 (Eng. Abstr.) (Jpn)
[Luminescent method for experimental studies of the heart] Galduk MI, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):758–9 (Eng. Abstr.) (Rus)
[Improved fluorometric method for DNA microanalysis] Vilenchik MM, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar–Apr;(2):217–22 (Eng. Abstr.) (Rus)
[Determination of nucleic acids in tissue homogenates] Prishva SV, et al. **Lab Delo** 1983;(11):46–8 (Eng. Abstr.) (Rus)
[Method for determining the creatine content of the erythrocytes] Vinogradova IL, et al. **Lab Delo** 1983; (9):34–6 (Eng. Abstr.) (Rus)
[Fluorometric determination of radiation damages to leukocyte DNA by Birnboim and Jevcak's method] Borovkova TV, et al. **Radiobiologiia** 1984 Jan–Feb; 24(1):69–71 (Eng. Abstr.) (Rus)
[Fluorometric analysis of the formation and repair of DNA breaks in irradiated cells] Riabchenko NI, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):154–7 (Eng. Abstr.) (Rus)

SPECTROMETRY, GAMMA

INSTRUMENTATION

[Gamma–spectrometer for in vivo measurement of the concentration of RaD in bone tissue of the skull] Belle IuS, et al. **Gig Sanit** 1984 Apr;(4):43–4 (Rus)

SPECTROMETRY, MASS see SPECTRUM ANALYSIS, MASS

SPECTROMETRY, MASS–GAS CHROMATOGRAPHY see MASS FRAGMENTOGRAPHY

SPECTROMETRY, X-RAY EMISSION

Electron, proton and photon induced X–ray microprobes: analytic sensitivity versus spatial resolution. Grodzins L. **Neurotoxicology (Park Forest II)** 1983 Fall;4(3):23–33
In vivo elemental analysis utilizing XRF techniques. Wielopolski L, et al. **Neurotoxicology (Park Forest II)** 1983 Fall;4(3):173–6
[Surface analysis of intramuscular bioglass ceramic implants using pro ton–induced x–ray emission] Dittmar A, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):103–8 (Eng. Abstr.) (Ger)
[Simultaneous determination of multiple elements in airborne particulate samples by X–ray fluorescence spectrometry] Takada T, et al. **Sangyo Igaku** 1983 Jul;25(4):235–44 (Eng. Abstr.) (Jpn)
[Extendend X–ray absorption fine structure—EXAFS] Iizuka T, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):111–22 (31 ref.) (Jpn)
[Potentials of in vivo x–ray fluorescence analysis] Tomashevskii IO. **Med Radiol (Mosk)** 1984 Apr;29(4):64–8 (Rus)

INSTRUMENTATION

Determination of uranium isotopes by chemical stripping and alpha–spectrometry. Sachett IA, et al. **Health Phys** 1984 Jan;46(1):133–9

METHODS

Simultaneous determination of trace elements in serum by energy–dispersive x–ray fluorescence spectrometry. Rastegar F, et al. **Clin Chem** 1984 Aug;30(8):1300–3
Radioactive implant induced x–ray emission technique for noninvasive determination of iodine content in thyroid: experimental study. Amano R, et al. **Int J Appl Radiat Isot** 1984 Feb;35(2):123–7
Trace element analysis in biological samples by using XRF spectrometry with secondary radiation. Cesareo R, et al. **Phys Med Biol** 1983 Nov;28(11):1209–18
Polarised X–rays in XRF–analysis for improved in vivo detectability of cadmium in man. Christoffersson JO, et al. **Phys Med Biol** 1983 Oct;28(10):1135–44
[Duration of the retention of iodine contrast agents in the body—an x–ray fluorescence analytical determination] Petsch R. **Rontgenblatter** 1984 Apr;37(4):143–5 (Eng. Abstr.) (Ger)
[Measurement of thyroidal iodine concentration by in vivo x–ray fluorescent analysis, with special reference to clinical usefulness of the method] Sekita N. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1703–13 (Eng. Abstr.) (Jpn)
[Applications of x–ray fluorescence] Enomoto S. **Radioisotopes** 1983 Aug;32(8):393–7 (42 ref.) (Jpn)
[Energy dispersive X–ray fluorescence analysis based on radioisotope sources] Taguchi T, et al. **Radioisotopes** 1983 Jul;32(7):344–51 (60 ref.) (Jpn)
[Application of PIXE (particle–induced x–ray emission) method to the cytolytic test of tumor cells] Tsuchiya K, et al. **Radioisotopes** 1983 May;32(5):219–24 (Eng. Abstr.) (Jpn)
[Current status of X–ray and gamma–ray applications in the world (II). 3. Particle–induced X–ray emission spectrometry] Ujihira Y. **Radioisotopes** 1983 Sep; 32(9):441–8 (30 ref.) (Jpn)

SPECTROMETRY, X-RAY EMISSION, ELECTRON MICROSCOPIC see ELECTRON PROBE MICROANALYSIS

SPECTROMETRY, X-RAY EMISSION, ELECTRON PROBE see ELECTRON PROBE MICROANALYSIS

SPECTROMETRY, X-RAY FLUORESCENCE see SPECTROMETRY, X-RAY EMISSION

SPECTROPHOTOMETRY

Abnormal amniotic fluid spectrophotometry in a pregnancy associated with fetal duodenal atresia. Sankaran K, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1140–1
Spectroscopic studies of hematoporphyrin–derivative in culture medium. Bottiroli G, et al. **Chem Biol Interact** 1984 Jul;50(2):153–7
Enzymic determination of total cholesterol in skin tissue [letter] Aouidet A, et al. **Clin Chem** 1983 Nov;29(11):2001–2
Spectrophotometric method for selective assay of the five isoenzymes of human lactate dehydrogenase, based on their different stabilities at alkaline pH. Takizawa N, et al. **Clin Chem** 1983 Nov;29(11):1941–5
Spectrophotometry of occult blood in feces. Welch CL, et al. **Clin Chem** 1983 Dec;29(12):2022–5
Evaluative and comparative study of an enzymatic method using creatine kinase for the determination of urinary creatine. Beyer C, et al. **Clin Chim Acta** 1984 Jan 31; 136(2–3):263–70
A flash kinetic spectrophotometer employing photodiode array sensors. Beach JM, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):414–9
Action spectrum of photomechanical cone contraction in the catfish retina. Douglas R, et al. **Invest Ophthalmol Vis Sci** 1984 May;25(5):534–8
The macular pigment. I. Absorbance spectra, localization, and discrimination from other yellow pigments in primate retinas. Snodderly DM, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):660–73
An artifact in measurements of in vivo light–induced absorbance changes. Hsiao KC, et al. **J Biochem Biophys Methods** 1983 Dec;8(4):271–4
DNA hyperchromism on paper disks. Hörer OL. **Virologie** 1983 Jul–Sep;34(3):223–6
[The importance of spectrophotometric examination of urine in the differential diagnosis of respiratory disorders in newborn infants] Zapadlo M, et al. **Cesk Pediatr** 1983 Dec; 38(12):717–20 (Eng. Abstr.) (Cze)
[Spectrophotometry of the cerebrospinal fluid in acute cerebrovascular diseases] Pascu I, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Oct–Dec; 28(4):281–6 (Eng. Abstr.) (Rum)
[Point and interval estimation of spectrophotometrically determined serum levels of indocyanine green using orthogonal regression] Mikulecký M, et al. **Bratisl Lek Listy** 1983 Dec;80(6):641–7 (Eng. Abstr.) (Slo)

INSTRUMENTATION

A continuous–flow detector for cytochrome P–450 and cytochrome P–420. Bonner RF, et al. **Anal Biochem** 1983 Jul 1;132(1):26–33
Theoretical aspects of one–point calibration: causes and effects of some potential errors, and their dependence on concentration. Kemp GJ. **Clin Chem** 1984 Jul;30(7):1163–7
A special cuvette for capillary blood tests. Müller HA. **Clin Chim Acta** 1984 Jan 31;136(2–3):241–4
A computerized microspectrophotometry using fibre optics for transmission and detection of light. Neely JE, et al. **J Microsc** 1984 Mar;133 (Pt 3):313–22
A simplified open photoacoustic cell and its applications. McQueen DH. **J Phys [E]** 1983 Aug;16(8):738–9
[Clinical trial of a transcutaneous bilirubinometer] Vaisman S, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):83–6 (Eng. Abstr.) (Spa)

METHODS

Cryogenic microspectrophotometry. Gayeski TE. **Adv Exp Med Biol** 1984;169:849–50
Assaying proteinases with azocoll. Chavira R Jr, et al. **Anal Biochem** 1984 Feb;136(2):446–50
A highly sensitive photometric method for proton release or uptake: difference protometry. Horie K, et al. **Anal Biochem** 1984 Feb;137(1):80–7
A new photometric assay for blood alcohol. Kovář J, et al. **Anal Biochem** 1984 Feb;137(1):74–9
Spectrophotometric quantitation of silver grains eluted from autoradiograms. Suissa M. **Anal Biochem** 1983 Sep; 133(2):511–4
Intracellular free Ca and Mg of human red blood cell ghosts measured with entrapped arsenazo III. Yingst DR, et al.

Anal Biochem 1983 Jul 15;132(2):431–48

A spectrophotometric method to determine the amount of CO bound to hemocyanin. Zolla L, et al. **Anal Biochem** 1983 Sep;133(2):465–9

Multicomponent analysis of hemoglobin derivatives with reversed-optics spectrophotometer. Zwart A, et al. **Clin Chem** 1984 Mar;30(3):373–9

Simple spectrophotometric determination of haptoglobin level in serum. Shim BS, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):145–53

Determination of carboxyhemoglobin in the presence of other blood hemoglobin pigments by visible spectrophotometry. Siek TJ, et al. **J Forensic Sci** 1984 Jan;29(1):39–54

Microspectrophotometry of single rhabdoms in the retina of the honeybee drone (Apis mellifera male). Muri RB, et al. **J Gen Physiol** 1983 Oct;82(4):469–96

Specimen holder improvements for the study of amphibian skin pigmentation. Hedin CA. **J Microsc** 1983 Oct;132 (Pt 1):125–8

Measurement of oxygen consumption by the spectrophotometric oxyhemoglobin method. Bârzu O. **Methods Biochem Anal** 1984;30:227–67 (93 ref.)

Methodological aspects on the firefly luciferase assay of adenine nucleotides in whole blood and red blood cells. Olsson T, et al. **Scand J Clin Lab Invest** 1983 Dec; 43(8):657–64

A new method for determining peak absorbance of dense pigment samples and its application to the cone oil droplets of Emydoidea blandingii. Lipetz LE. **Vision Res** 1984; 24(6):567–604

[A method for determination of methemoglobin in blood containing carboxyhemoglobin] Sato K. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):133–44 (Eng. Abstr.) **(Jpn)**

[Determination of uranium in human tissues by the fission track method] Igarashi Y, et al. **Radioisotopes** 1984 Feb; 33(2):55–9 (Eng. Abstr.) **(Jpn)**

[Application of Ti(IV)–4–(2–pyridylazo)resorcinol reagent to the assay of biological substances. A spectrophotometric determination of triglycerides in the serum using lipoprotein lipase, acyl CoA synthetase and acyl CoA oxidase] Matsubara C, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):884–8 (Eng. Abstr.) **(Jpn)**

[Spectrophotometric determination of aldioxa in pharmaceutical preparations] Sato K, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1100–2 (Eng. Abstr.) **(Jpn)**

[Spectrophotometric analysis of amphotericin B in technological objects] Bershteĭn IIa, et al. **Antibiotiki** 1984 Jan;29(1):19–24 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of photometric methods of determination of bile acids in the bile] Gaĭdaĭ VN, et al. **Lab Delo** 1984;(5):289–91 (Eng. Abstr.) **(Rus)**

[Determination of the carotenoid content of human blood plasma by light scattering] Gevorkian BZ, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):124–7 (Eng. Abstr.) **(Rus)**

[Spectrophotometric micromethod to determine L–lysine–alpha–oxidase activity] Smirnova IP, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):133–6 (Eng. Abstr.) **(Rus)**

STANDARDS

The effect of instrument variables on calculation factors for standardisation of colorimetric analyses. Peake MJ, et al. **Ann Clin Biochem** 1984 May;21 (Pt 3):188–92

SPECTROPHOTOMETRY, ATOMIC ABSORPTION

Determination of ultrafiltrable zinc in plasma by flameless atomic absorption spectrophotometry. Whitehouse RC, et al. **Clin Chem** 1983 Nov;29(11):1974–7

[Absorption spectra of lyophilized erythrocytes in the infrared, ultraviolet and visual regions of the spectrum] Peneva V, et al. **Eksp Med Morfol** 1983;22(3):37–42 (Eng. Abstr.) **(Bul)**

[Detection of shot deposits by sectional study of the shooting hand using atomic absorption] Kijewski H, et al. **Beitr Gerichtl Med** 1984;42:123–32 (Eng. Abstr.) **(Ger)**

[Use of a method in atomic absorption spectrophotometry with Zeeman effect for the determination of blood lead] Frigieri P, et al. **Med Lav** 1983 May–Jun;74(3):231–8 (Eng. Abstr.) **(Ita)**

[Determination of harmful metals in food (XII). Analysis of copper, cadmium and lead in algae and shells with anodic stripping voltammetry and atomic absorption spectrometry] Tatsuno T, et al. **Eisei Shikenjo Hokoku** 1983;(101):136–8 (Eng. Abstr.) **(Jpn)**

[Detection by atomic absorption of mercury in the environment and biological materials] Dmitriev MT, et al. **Gig Sanit** 1983 Sep;(9):50–3 **(Rus)**

INSTRUMENTATION

[Characterization of a method for the atomic absorption determination of blood lead using a graphite furnace and the L'vov platform] Morisi G, et al. **Ann Ist Super Sanita** 1982;18(3):587–90 (Eng. Abstr.) **(Ita)**

[Use of a laser atomizer for the atomic absorption determination of the thallium content of bones] Vul'son EK, et al. **Sud Med Ekspert** 1984 Jan–Mar;27(1):39–40 **(Rus)**

METHODS

Evaluation of the ASTRA o–cresolphthalein complexone calcium method. Hartmann AE, et al. **Am J Clin Pathol** 1984 Aug;82(2):182–7

Direct determination of sodium and potassium in blood serum by flow injection and atomic absorption spectrophotometry. Burguera JL, et al. **An Acad Bras Cienc** 1983 Jun;55(2):209–11

Rapid analysis of nickel in serum and whole blood by electrothermal atomic absorption spectrophotometry. Sunderman FW Jr, et al. **Ann Clin Lab Sci** 1984 May–Jun; 14(3):232–41

An improved wet digestion procedure for the analysis of total arsenic in biological samples by direct hydride atomic absorption spectrophotometry. Webb DR, et al. **J Anal Toxicol** 1984 May–Jun;8(3):118–23

A new method for the analysis of tetramethylleau in blood. Andersson K, et al. **Scand J Work Environ Health** 1984 Feb;10(1):51–5

Determination of chromium in human milk, serum and urine by electrothermal atomic absorption spectrometry without preliminary ashing. Kumpulainen J, et al. **Sci Total Environ** 1983 Oct;31(1):71–80

[Nanosecond absorption spectroscopy of the phototransformations of bacteriorhodopsin in dry films. The effect of an external electrical field] Chamorovskiĭ SK, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar–Apr;(2):294–8 (Eng. Abstr.) **(Rus)**

[Atomic–absorption method of determining the copper and iron content of whole blood, serum, plasma and erythrocytes] Arkhipchik VD, et al. **Lab Delo** 1983;(9):23–5 (Eng. Abstr.) **(Rus)**

[Flameless atomic absorption determination of the inorganic mercury content of the blood] Metil' NI, et al. **Lab Delo** 1983;(9):25–7 (Eng. Abstr.) **(Rus)**

SPECTROPHOTOMETRY, INFRARED

Lipid–protein ratios by infrared spectroscopy. Navarro S, et al. **Anal Biochem** 1984 Feb;136(2):382–9

INSTRUMENTATION

Linked gas chromatography/Fourier transform infrared/Fourier transform mass spectrometry with integrated electron impact and chemical ionization. Laude DA Jr, et al. **Anal Chem** 1984 Jun;56(7):1163–8

METHODS

Quantitative surface studies of protein adsorption by infrared spectroscopy. I. Correction for bulk concentrations. Fink DJ, et al. **Anal Biochem** 1984 May 15;139(1):140–8

Near–infrared photoacoustic spectroscopy of proteins. Sadler AJ, et al. **Anal Biochem** 1984 Apr;138(1):44–51

Comparison of attenuated total reflectance and photoacoustic sampling for surface analysis of polymer mixtures by Fourier transform infrared spectroscopy. Gardella JA Jr, et al. **Anal Chem** 1984 Jun;56(7):1169–77

Fourier Transform Infrared Reflection Absorption Spectroscopy (FT–IRAS) of fibrinogen adsorbed on metal and metal oxide surfaces. Liedberg B, et al. **J Biochem Biophys Methods** 1984 Jul;9(3):233–43

Solvent denaturation of proteins as observed by resolution–enhanced Fourier transform infrared spectroscopy. Purcell JM, et al. **J Biochem Biophys Methods** 1984 Jul;9(3):193–9

Non–invasive near infrared spectroscopy of brain in fluorocarbon exchange–transfused rats. Ferrari M, et al. **Physiol Chem Phys** 1983;15(2):107–13

Fourier transform infrared spectrometry. Griffiths PR. **Science** 1983 Oct 21;222(4621):297–302

Hyphenated techniques for analysis of complex organic mixtures. Wilkins CL. **Science** 1983 Oct 21;222(4621):291–6 (39 ref.)

SPECTROPHOTOMETRY, ULTRAVIOLET

The spectrophotometric determination of micromolar concentrations of Co2+ using o–phenanthroline. Evans CH. **Anal Biochem** 1983 Dec;135(2):335–9

Analytical absorbance errors in a patient receiving intravenous iron dextran [letter] Keen ME, et al. **Clin Chem** 1983 Oct;29(10):1865–6

Nucleic acid spectrophotometry on paper disks. Hörer OL, et al. **Virologie** 1983 Jul–Sep;34(3):177–82

[Identification of Qin–Pi (Cortex fraxini) by ultraviolet spectrum] Wu JL. **Chung Yao Tung Pao** 1983 Jul;8(4):11–6 **(Chi)**

[Improved determination of betahistine mesylate] Nishide S, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1180–4 (Eng. Abstr.) **(Jpn)**

[Mechanisms of increasing the intensity of ultraviolet fluorescence of irradiated cells] Zhulkov AG. **Radiobiologiia** 1984 May–Jun;24(3):380–3 (Eng. Abstr.) **(Rus)**

[Spectrophotometric measurement of diazepam in blood and urine. A sensitive method for therapeutic and toxicologic use] García R, et al. **Rev Med Chil** 1983 Mar;111(3):279–84 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

A thin quartz cell suitable for vacuum ultraviolet absorption and circular dichroism measurements. Gray DM, et al. **Anal Biochem** 1984 Jan;136(1):247–50

METHODS

A continuous spectrophotometric assay for Escherichia coli alanyl–transfer RNA synthetase. Roy S. **Anal Biochem** 1983 Sep;133(2):292–5

Application of first derivative spectrophotometry to the determination of certain drugs in single component dosage forms. Korany MA, et al. **Farmaco [Prat]** 1984 Jul; 39(7):243–52

High–pressure enzyme kinetics. Lactate dehydrogenase in an optical cell that allows a reaction to be started under high pressure. Chernyak VYa, et al. **FEBS Lett** 1984 Apr 9;169(1):97–100

Spectrophotometric assay for the detection of antibodies to DNA. Ali A, et al. **Immunol Lett** 1983;7(1):25–7

Detection of benzoylecgonine in urine by means of UV spectrophotometry. Sweeney W, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):235–6

RNA hydrolysis detection by paper disk spectrophotometry. Hörer OL, et al. **Virologie** 1984 Apr–Jun;35(2):143–6

Paper disk spectrophotometry of nucleic acid chromophores. Hörer OL. **Virologie** 1984 Apr–Jun;35(2):139–41

SPECTROSCOPY see **SPECTRUM ANALYSIS**

SPECTRUM ANALYSIS

Pulsed Doppler imaging and spectrum analysis for detection of carotid artery disease. Murie JA, et al. **Angiology** 1984 Apr;35(4):215–21

Surface characterization of biomaterials by electron spectroscopy for chemical analysis. Ratner BD. **Ann Biomed Eng** 1983;11(3–4):313–36

Electronic spectra for nitrosyl(protoporphyrin IX dimethyl ester)iron(II) and its complexes with nitrogenous bases as model systems for nitrosylhemoproteins. Yoshimura T, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):126–35

Co(II) derivatives of Cu,Zn–superoxide dismutase with the cobalt bound in the place of copper. A new spectroscopic tool for the study of the active site. Desideri A, et al. **Biochim Biophys Acta** 1984 Mar 29;785(3):111–7

Vibrational circular dichroism of polypeptides. III. Film studies of several alpha–helical and beta–sheet polypeptides. Sen AC, et al. **Biopolymers** 1984 Aug; 23(8):1533–45

Photoacoustic spectroscopy and its use in biology. Review. Balasubramanian D. **Biosci Rep** 1983 Nov;3(11):981–94 (33 ref.)

Rapid semiquantitative measurement of total porphyrins in urine and feces by magnetic circular dichroism. Ivanetich KM, et al. **Clin Chem** 1984 Mar;30(3):391–4

Medical applications of NMR spectroscopy. I. Clinical applications of phosphorus–31 NMR. Battocletti JH. **Crit Rev Biomed Eng** 1984;10(1):1–27 (48 ref.)

Spectral analysis of hippocampal unit train in relation to hippocampal EEG. Leung LW, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):668–71

How to select epochs of the EEG at rest for quantitative analysis. Möcks J, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;58(1):89–92

Power spectrum density analysis of electrical noise in glass microelectrodes. Plamondon R, et al. **IEEE Trans Biomed Eng** 1984 May;31(5):428–34

Spectral analysis of heart sounds: relationships between some physical characteristics and frequency spectra of first and second heart sounds in normals and hypertensives. Arnott PJ, et al. **J Biomed Eng** 1984 Apr;6(2):121–8

Spectroscopic analyses of calmodulin and its interactions. Klevit RE. **Methods Enzymol** 1983;102:82–104

Simple proton spectroscopic imaging. Dixon WT. **Radiology** 1984 Oct;153(1):189–94

Fatty infiltration of the liver: demonstration by proton spectroscopic imaging. Preliminary observations. Lee JK, et al. **Radiology** 1984 Oct;153(1):195–201

[Computer–assisted Fourier spectrum analysis for characterization of the pendular movements of the longitudinal muscles in the small intestine of the rat] Schäfer R, et al. **Biomed Tech (Berlin)** 1984 Mar;29(3):53–5 (Eng. Abstr.) **(Ger)**

[Hepatic hemodynamics in cirrhotics with or without esophageal varices assessed by organ—reflectance spectrophotometry] Hayashi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):208–12 (Eng. Abstr.) **(Jpn)**

[Circular dichroism and magnetic circular dichroism of metalloproteins] Nozawa T. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):49–60 (26 ref.) **(Jpn)**

[Study of the relaxation of nonequilibrium hemoglobin states by Mössbauer spectroscopy] Prusakov VE, et al. **Biofizika** 1984 May–Jun;29(3):359–64 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

High–pressure stopped–flow spectrometry at low

temperatures. Balny C, et al. **Anal Biochem** 1984 May 15; 139(1):178–89
A thin quartz cell suitable for vacuum ultraviolet absorption and circular dichroism measurements. Gray DM, et al. **Anal Biochem** 1984 Jan;136(1):247–50
Pulsed-accelerated-flow spectrometer with integrating observation for measurement of rapid rates of reaction. Jacobs SA, et al. **Anal Chem** 1984 Jun;56(7):1058–65
The development of an inhalable dust spectrometer. Mark D, et al. **Ann Occup Hyg** 1984;28(1):125–43
Inhalable dust spectrometers as versatile samplers for studying dust-related health effects. Vincent JH, et al. **Ann Occup Hyg** 1984;28(1):117–24
A multidetector alpha spectroscopy analysis system. Guilmette RA, et al. **Health Phys** 1984 Mar;46(3):639–46
The development and application of alpha-particle spectrometry for low-level-radioactivity measurements in biological and environmental materials. Lally AE, et al. **Int J Appl Radiat Isot** 1984 Apr;35(4):291–9
Determination of x-ray spectral distribution from transmission measurements using K-edge filters. Chu K, et al. **Med Phys** 1983 Nov–Dec;10(6):772–7
An examination of X-ray spectra. Spencer KA. **Radiography** 1983 Aug;49(584):190–3

METHODS

X-ray absorption near edge structure determination of calcium sites of troponin C and parvalbumin. Bianconi A, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:27–34
Application of synchrotron radiation to structural biology. Chance B, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:21–6
X-ray absorption in biologic tissue. Engström A. **Acta Radiol [Suppl] (Stockh)** 1983;365:13–5
Applications of synchrotron radiation in molecular biology. Stuhrmann HB. **Acta Radiol [Suppl] (Stockh)** 1983;365:16–8
Computer-assisted analysis of photoacoustic spectra of solid and solution state cyanide methemoglobin. Alter GM, et al. **Anal Biochem** 1983 Jul 15;132(2):312–23
Liquid chromatography detection at the second harmonic of the modulated thermal lens. Pang TK, et al. **Anal Chem** 1984 Jul;56(8):1467–9
Optothermal measurement of haemoglobin in blood. Fondberg L, et al. **Clin Phys Physiol Meas** 1984 May; 5(2):87–91
Mass thickness determination by electron energy loss for quantitative X-ray microanalysis in biology. Leapman RD, et al. **J Microsc** 1984 Mar;133 (Pt 3):239–53
The malaria parasite monitored by photoacoustic spectroscopy. Balasubramanian D, et al. **Science** 1984 Feb 24;223(4638):828–30
[Nuclear magnetic resonance spectroscopy in medicine] Frahm J, et al. **Dtsch Med Wochenschr** 1983 Sep 30; 108(39):1486–90 **(Ger)**
[Current status of X-ray and gamma-ray applications in the world (II). 4. Induced gamma-ray spectroscopy] Tominaga H. **Radioisotopes** 1983 Sep;32(9):448–53 (24 ref.) **(Jpn)**
[Laser Doppler spectroscopy of biological objects] Posudin Iul. **Biol Nauki** 1983;(7):29–37 (Eng. Abstr.) **(Rus)**

SPECTRUM ANALYSIS, MASS

Isotope dilution—mass spectrometry of thyroxin proposed as a reference method. Möller B, et al. **Clin Chem** 1983 Dec;29(12):2106–10
Mass spectrometry and clinical chemistry. Hill RE, et al. **Clin Chim Acta** 1984 Jun 13;139(3):231–94 (474 ref.)
Analysis of a case of internal contamination with 242Cm. Vaane JP, et al. **Health Phys** 1971 Dec;21(6):821–6
A multipatient mass spectrometer based system for the measurement of metabolic gas exchange in artificially ventilated intensive care patients. Roberts MJ, et al. **Intensive Care Med** 1983;9(6):339–43
Skin gas tensions and resistances measured by mass spectrometry in adults. Targett RC, et al. **J Appl Physiol** 1984 May;56(5):1431–5
Phospholipid molecular species quantitation from mass spectra of underivatized lipids. Crawford CG, et al. **J Lipid Res** 1984 May;25(5):518–22
Applications of secondary ion mass spectrometry (SIMS) in biological research: a review. Burns MS. **J Microsc** 1982 Sep;127 (Pt 3):237–58
Simultaneous mass spectrometry and thermoconductivity measurements of end-tidal xenon concentrations: a comparison. Gur D, et al. **Med Phys** 1984 Mar–Apr; 11(2):209–12
[Field desorption mass spectrometry. II. Aminoglycosides] Wang CH, et al. **Yao Hsueh Hsueh Pao** 1983 May; 18(5):378–83 (Eng. Abstr.) **(Chi)**
[Measurement by mass spectrometry of oxygen consumption and carbon dioxide production in mechanically ventilated patients] Potel G, et al. **Pathol Biol (Paris)** 1984 Mar; 32(3):209–14 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Instrument database system and application to mass spectrometry/mass spectrometry. Crawford RW, et al. **Anal Chem** 1984 Jun;56(7):1121–7
Minicomputer-based multichannel signal averager for acquisition of weak and transient mass spectra. Snelling CR Jr, et al. **Anal Chem** 1984 Jul;56(8):1474–81
A computerized mass spectrometer and flowmeter system for respiratory gas measurements. Sodal IE, et al. **Ann Biomed Eng** 1983;11(2):83–99

METHODS

Fast atom bombardment combined with tandem mass spectrometry for the determination of nucleosides. Crow FW, et al. **Anal Biochem** 1984 May 15;139(1):243–62
Quality testing of reticulated gas services in a new hospital using a computerised mass-spectrometer based gas analysis system. Black JL, et al. **Australas Phys Eng Sci Med** 1983 Jan–Mar;6(1):35–7
Some modern mass spectrometric methods for steroids and terpenoids. Rose ME. **Biochem Soc Trans** 1983 Oct; 11(5):561–5 (39 ref.)
Fast atom bombardment (FAB) mass spectrometry: a mass spectral investigation of some of the insulins. Barber M, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):182–6
The analysis of trimethylamine in body fluids by a direct medium resolution mass spectrometric method. King GS, et al. **Biomed Mass Spectrom** 1984 Jan;11(1):1–3
Laser desorption mass spectrometry of synthetic lipid A-like compounds. Seydel U, et al. **Biomed Mass Spectrom** 1984 Mar;11(3):132–41
Confirmatory assay for ivermectin in cattle tissue using chemical ionization mass spectrometry/mass spectrometry (MS/MS). Tway PC, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):172–6
Laser microprobe mass spectrometry of platinum in dog kidney after cisplatin administration. Verbueken AH, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):159–63
Systematic analysis of desorption chemical ionization (DCI) mass spectra of nucleic acids—7. Virelizier H, et al. **Biomed Mass Spectrom** 1983 Oct;10(10):559–66
Micro LC/MS in drug analysis and metabolism studies. Henion J, et al. **Drug Metab Rev** 1983;14(5):961–1003 (82 ref.)
Correcting for the dynamic response of a respiratory mass spectrometer. Bates JH, et al. **J Appl Physiol** 1983 Sep; 55(3):1015–22
Biochemical application of field desorption mass spectrometry. Schulten HR, et al. **J Biochem Biophys Methods** 1983 Nov;8(3):239–69 (117 ref.)
Tracers in metabolic research: radioisotope and stable isotope/mass spectrometry methods. Wolfe RR. **Lab Res Methods Biol Med** 1984;9:1–287 (243 ref.)
Determination of 25-hydroxyvitamin D3 in serum by high performance liquid chromatography and isotope dilution-mass spectrometry. Holmberg I, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):275–82
Mass spectrometry: analytical capabilities and potentials. Cooks RG, et al. **Science** 1983 Oct 21;222(4621):273–91 (131 ref.)
[Mass spectrometric data on some drugs, their biotransformation products and intermediate products of illegal synthesized narcotics] Gielsdorf W. **Arch Kriminol** 1983 Jul–Aug;172(1–2):41–51 (Eng. Abstr.) **(Ger)**
[Dating and measurements of radioactive isotopes with accelerator mass spectrometry] Nakai N, et al. **Radioisotopes** 1983 Dec;32(12):645–55 (24 ref.) **(Jpn)**

STANDARDS

Potential inaccuracies in mass spectrometers with spectrum overlap erasure units used during anaesthesia. Beatty PC. **Clin Phys Physiol Meas** 1984 May;5(2):93–104

SPECTRUM ANALYSIS, MASS-GAS CHROMATOGRAPHY see MASS FRAGMENTOGRAPHY

SPECTRUM ANALYSIS, RAMAN

Resonance Raman characterization of a novel, oxygen-binding heme protein from Chromatium vinosum. Ondrias MR, et al. **Biochim Biophys Acta** 1984 Jul 17; 788(1):87–97
Diheme cytochrome c-554 from Nitrosomonas. Soret resonance Raman indication of an unusual ferric 5-coordinate structure. Andersson KK, et al. **FEBS Lett** 1984 May 21;170(2):331–4
Raman spectroscopy of a coal liquid shows that fluorescence interference is minimized with ultraviolet excitation. Asher SA, et al. **Science** 1984 Jul 20;225(4659):311–3
[Resonance Raman scattering of metal-containing proteins] Hayashi H, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul; (26 Suppl):61–73 (93 ref.) **(Jpn)**

SPEECH

see related
VERBAL BEHAVIOR

A new acoustic method for the discrimination of monozygotic and dizygotic twins. Forrai G, et al. **Acta Paediatr Hung** 1983;24(4):315–22
Internal speech and deaf children. Bernstein ME, et al. **Am Ann Deaf** 1983 Aug;128(4):483–9
Spontaneous pneumomediastinum as an occupational hazard. Viken RM, et al. **Am Fam Physician** 1984 Apr;29(4):129–30
The lecture: where it wavers [editorial] Kroenke K. **Am J Med** 1984 Sep;77(3):393–6
Converging evidence in support of common dynamical principles for speech and movement coordination. Kelso JA, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R928–35
Psychobiology of speech development: coemergence of language and a movement system. Kent RD. **Am J Physiol** 1984 Jun;246(6 Pt 2):R888–94
Intrinsic characteristics of activity: a comment on Kent's psychobiology. Smith MR. **Am J Physiol** 1984 Jun;246(6 Pt 2):R895–6
Comparison of two cochlear implant speech-processing strategies. Clark GM, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):127–31
Lateral facial clefts: closure with W-plasty and implications of speech and language development. Habal MB, et al. **Ann Plast Surg** 1983 Sep;11(3):182–7
Neural coding of complex sounds: speech. Sachs MB. **Annu Rev Physiol** 1984;46:261–73 (35 ref.)
Selected acoustic features of tracheoesophageal, esophageal, and laryngeal speech. Robbins J, et al. **Arch Otolaryngol** 1984 Oct;110(10):670–2
1983 convention program. November 15–20, 1983, Cincinnati. American Speech-Language-Hearing Association. Abstracts. **ASHA** 1983 Oct;25(10):57–168
Re-examination of human speech generation acoustic model. Hayre HS. **Biomed Sci Instrum** 1984;20:137–42
Caregiver-child interactive behaviours: a clinical procedure for the development of spoken language in hearing-impaired children. Cole EB, et al. **Br J Audiol** 1984 Feb;18(1):7–16
The effects of an acquired profound hearing loss on speech production. A case study. Plant G. **Br J Audiol** 1984 Feb; 18(1):39–48
What does mean length of utterance mean? Evidence from a comparative study of normal and Down's syndrome children. Harris J. **Br J Disord Commun** 1983 Dec; 18(3):153–69
Parental speech to language delayed children: a home intervention study. Hornby G, et al. **Br J Disord Commun** 1984 Apr;19(1):97–103
Speech changes following orthodontic treatment with the functional regulator. Tekieli ME, et al. **Br J Disord Commun** 1983 Sep;18(2):108–17
The speech and language development of low birth weight infants. Wright NE, et al. **Br J Disord Commun** 1983 Dec; 18(3):187–96
Positive and negative symptoms and the thematic organisation of schizophrenic speech. Allen HA. **Br J Psychiatry** 1984 Jun;144:611–7
The validity of actometer and speech activity measures in the assessment of depressed patients. Godfrey HP, et al. **Br J Psychiatry** 1984 Aug;145:159–63
Predictability as an index of impaired verbal communication in schizophrenic and affective disorders. Ragin AB, et al. **Br J Psychiatry** 1983 Dec;143:578–83
Phonological recoding for reading: the effect of concurrent articulation in a Stroop task. Chmiel N. **Br J Psychol** 1984 May;75 (Pt 2):213–20
The location of speech and writing functions in the frontal language area. Results of extraoperative cortical stimulation. Lesser RP, et al. **Brain** 1984 Mar;107 (Pt 1):275–91
Broca on the relation between handedness and cerebral speech dominance. Eling P. **Brain Lang** 1984 May; 22(1):158–9
Speech sound errors in patients with conduction and Broca's aphasia. Monoi H, et al. **Brain Lang** 1983 Nov;20(2):175–94
Speech segment durations produced by five and six year old speakers with and without cleft palates. Forner LL. **Cleft Palate J** 1983 Jul;20(3):185–98
Articulation development in children with cleft lip/palate. Riski JE, et al. **Cleft Palate J** 1984 Apr;21(2):57–64
Oronasal fistulas, intraoral air pressure, and nasal air flow during speech. Shelton RL, et al. **Cleft Palate J** 1984 Apr; 21(2):91–9
Utterance and pause lengths and frequencies in oral readings by superior esophageal speakers and by normal speakers. Horii Y. **Comput Biomed Res** 1983 Oct;16(5):446–53
Writing hand posture and cerebral dominance for speech. Strauss E, et al. **Cortex** 1984 Mar;20(1):143–7
Effectiveness of speaking-cuffed tracheostomy tube in patients with neuromuscular diseases [letter] Gordan V. **Crit Care Med** 1984 Jul;12(7):615–6
Acoustic and morphologic study of the senescent voice. Mueller PB, et al. **Ear Nose Throat J** 1984 Jun;63(6):292–5
XIXth congress of the International Association of Logopedics and Phoniatrics. Edinburgh, August 14–18, 1983. Abstracts. **Folia Phoniatr (Basel)** 1983;35(3–4):99–192
Acoustical analysis of vowel duration in apraxia of speech: a case study. Caligiuri MP, et al. **Folia Phoniatr (Basel)** 1983;35(5):226–34
Hesitation patterns in the speech of thought-disordered schizophrenic and manic patients. Resnick HS, et al. **J Abnorm Psychol** 1984 Feb;93(1):80–6
Comment on 'Measurement of pitch in speech: an implementation of Goldstein's theory of pitch perception'. Allik J, et al. **J Acoust Soc Am** 1984 Jun;75(6):1855–7
Perception of sine-wave analogs of voice onset time stimuli. Hillenbrand J. **J Acoust Soc Am** 1984 Jan;75(1):231–40
Characteristics of the glottal turbulent noise source. Hillman RE, et al. **J Acoust Soc Am** 1983 Sep;74(3):691–4
Fundamental frequency as an acoustic correlate of stop consonant voicing. Ohde RN. **J Acoust Soc Am** 1984 Jan;

75(1):224–30
Effect of burst amplitude on the perception of stop consonant place of articulation. Ohde RN, et al. **J Acoust Soc Am** 1983 Sep;74(3):706–14
Linguistic modality effects on fundamental frequency in speech. O'Shaughnessy D, et al. **J Acoust Soc Am** 1983 Oct;74(4):1155–71
Intelligibility of VCV segments excised from connected speech. Schmidt-Nielsen A. **J Acoust Soc Am** 1983 Sep; 74(3):726–38
Initial observations concerning developmental characteristics of labio-mandibular kinematics. Smith BL, et al. **J Acoust Soc Am** 1984 May;75(5):1599–605
Dynamic specification of coarticulated vowels. Strange W, et al. **J Acoust Soc Am** 1983 Sep;74(3):695–705
Perception of intervocalic stop consonants: the contributions of closure duration and formant transitions. Tartter VC, et al. **J Acoust Soc Am** 1983 Sep;74(3):715–25
Infant discrimination of two- and five-formant voiced stop consonants differing in place of articulation. Walley AC, et al. **J Acoust Soc Am** 1984 Feb;75(2):581–9
Speech pause time and the retardation rating scale for depression (ERD). Towards a reciprocal validation. Hardy P, et al. **J Affective Disord** 1984 Feb;6(1):123–7
The effects of short-term auditory masking on fundamental frequency variability. Rastatter M, et al. **J Aud Res** 1983 Jan;23(1):33–42
Speech signal presentation to the totally deaf. Walliker JR, et al. **J Biomed Eng** 1983 Oct;5(4):316–20
Semantic desensitization: a paradigmatic intervention approach to anxiety disorders. Hekmat H, et al. **J Clin Psychol** 1984 Mar;40(2):463–6
Nasality and velopharyngeal function in five hearing impaired adults. Lock RB, et al. **J Commun Disord** 1984 Feb;17(1):47–64
Converging sources of evidence on spoken and perceived rhythms of speech: cyclic production of vowels in monosyllabic stress feet. Fowler CA. **J Exp Psychol [Gen]** 1983 Sep;112(3):386–412
Invariances in the acoustic expression of emotion during speech. Cosmides L. **J Exp Psychol [Hum Percept]** 1983 Dec;9(6):864–81
More adaptation of speech by nonspeech. Kat D, et al. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):512–25
Acoustic analysis of voice for computerized laryngeal pathology assessment. Cox NB, et al. **J Otolaryngol** 1983 Oct;12(5):295–301
Mothers' discourse adjustments to language-impaired and non-language-impaired children. Conti-Ramsden G, et al. **J Speech Hear Disord** 1983 Nov;48(4):360–7
Teflon injection in 16 patients with paralytic dysphonia: perceptual and acoustic evaluations. Hammarberg B, et al. **J Speech Hear Disord** 1984 Feb;49(1):72–82
Clinical validity of 'speech-band audiometry' [letter] Koval CB, et al. **J Speech Hear Disord** 1983 Aug;48(3):328–30
Effects of a prosthetic tongue on vowel formants and isovowel lines in a patient with total glossectomy (an addendum to Leonard and Gillis, 1982). Leonard RJ, et al. **J Speech Hear Disord** 1983 Nov;48(4):423–6
Stuttering and speech naturalness. Martin RR, et al. **J Speech Hear Disord** 1984 Feb;49(1):53–8
A comparative acoustic study of normal, esophageal, and tracheoesophageal speech production. Robbins J, et al. **J Speech Hear Disord** 1984 May;49(2):202–10
The effects of mands and models on the speech of unresponsive language-delayed preschool children. Warren SF, et al. **J Speech Hear Disord** 1984 Feb;49(1):43–52
Microprocessor-based speech processing system. Guillemin BJ, et al. **J Speech Hear Res** 1984 Jun;27(2):311–7
Acoustic analysis of stutterers' fluent speech before and after therapy. Metz DE, et al. **J Speech Hear Res** 1983 Dec; 26(4):531–6
Visual feedback of intonation I: Effectiveness and induced practice behavior. de Bot K. **Lang Speech** 1983 Oct-Dec; 26 (Pt 4):331–50
Speaking fundamental frequency: some physical and social correlates. Graddol D, et al. **Lang Speech** 1983 Oct-Dec; 26 (Pt 4):351–66
Head movement correlates of juncture and stress at sentence level. Hadar U, et al. **Lang Speech** 1983 Apr-Jun;26 (Pt 2):117–29
Redundancy, pause distributions and thought disorder in schizophrenia. Maher BA, et al. **Lang Speech** 1983 Apr-Jun; 26 (Pt 2):191–9
Normal speech for patients with laryngeal webs: an achievable goal. McGuirt WF, et al. **Laryngoscope** 1984 Sep;94(9):1176–9
Mouth asymmetry, dichotic ear advantage and tachistoscopic visual field advantage as measures of language lateralization. Graves R. **Neuropsychologia** 1983; 21(6):641–9
An acoustic analysis of the effects of surgical therapy on voice quality. Berke GS, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):502–8
Multiple-phoneme-misarticulating children's perception and production of voice onset time. Hoffman PR, et al. **Percept Mot Skills** 1984 Apr;58(2):603–10
Fluency and aphasia: a pragmatic reconsideration. Penn C. **S Afr J Commun Disord** 1983;30:3–8
Right hemisphere dominance in arousal induced by facilitating positions. Irie N, et al. **Tohoku J Exp Med** 1984 Feb;142(2):229–30
[A study of vowel duration in Afrikaans esophageal speakers] Botha M. **S Afr J Commun Disord** 1983;30:50–5 (Eng. Abstr.) **(Afr)**
[The range of fundamental tone frequency in the speech of stutterers and clutterers] Langová J, et al. **Cesk Otolaryngol** 1983 Jul;32(5):265–70 (Eng. Abstr.) **(Cze)**
[Rehabilitation in cleft palate] Kadri F. **Chir Pediatr** 1983; 24(4–5):350–1 **(Fre)**
[The early-treated palate and rehabilitation] Kadri F. **Chir Pediatr** 1983;24(4–5):352 **(Fre)**
[Phonetic results of early and initial staphylorrhaphy (1976–1982)] Trichet C. **Chir Pediatr** 1983;24(4–5):353 **(Fre)**
[Study of the Lombard effect by measuring equivalent sound level] Dejonckere PH, et al. **Folia Phoniatr (Basel)** 1983; 35(6):310–5 (Eng. Abstr.) **(Fre)**
[Do vocal stress and vocal habits modify the conclusion of voice change?] Ackermann R. **Folia Phoniatr (Basel)** 1984; 36(3):119–21 (Eng. Abstr.) **(Ger)**
[Equipment for reproducing highly repetitive short spoken instructions in a roentgen department] Fröhlich H. **Rontgenblatter** 1983 Jul;36(7):220–1 (Eng. Abstr.) **(Ger)**
[Experience with the surgical speech rehabilitation of laryngectomy patients] Pavlov V, et al. **Vestn Otorinolaringol** 1984 Mar-Apr;(2):73–4 **(Rus)**
[Speech and language at the age of 4 and when starting school] Westerlund M, et al. **Lakartidningen** 1983 Nov 9; 80(45):4280–2 **(Swe)**

DRUG EFFECTS

Effect of amoxapine on speech in a patient with Huntington's disease [letter] Moldawsky RJ. **Am J Psychiatry** 1984 Jan; 141(1):150
Formant frequencies, bandwidths, and Qs in helium speech. Belcher EO, et al. **J Acoust Soc Am** 1983 Aug;74(2):428–32

PHYSIOLOGY

Results from intracarotid Amytal tests in epileptic patients. Silfvenius H, et al. **Acta Neurol Scand [Suppl]** 1984;99:77–8
Prognosis for improved verbal communication in aphasic stroke patients. Marshall RC, et al. **Arch Phys Med Rehabil** 1983 Dec;64(12):597–600
A two-route model of speech production. Evidence from aphasia. McCarthy R, et al. **Brain** 1984 Jun;107 (Pt 2):463–85
Profiles of right hemisphere language and speech following brain bisection. Gazzaniga MS, et al. **Brain Lang** 1984 Jul; 22(2):206–20
Voice onset time production and perception in apraxic subjects. Hoit-Dalgaard J, et al. **Brain Lang** 1983 Nov; 20(2):329–39
Neurolinguistic analysis of verbal utterances in patients with focal lesions of frontal lobes. Kaczmarek BL. **Brain Lang** 1984 Jan;21(1):52–8
Cerebral organization of oral and signed language responses: case study evidence from amytal and cortical stimulation studies. Mateer CA, et al. **Brain Lang** 1984 Jan;21(1):123–35
Phonetic disintegration in aphasia: acoustic analysis of spectral characteristics for place of articulation. Shinn P, et al. **Brain Lang** 1983 Sep;20(1):90–114
A neuronal model for syllable representation. Sussman HM. **Brain Lang** 1984 May;22(1):167–77
Articulatory events and neuromotor strategies [letter] Linville RN. **Cleft Palate J** 1984 Jan;21(1):42–4
Functional muscle partitioning during voluntary movement: facial muscle activity for speech. Abbs JH, et al. **Exp Neurol** 1984 Sep;85(3):469–79
Relationships between electroglottograph, speech, and vocal cord contact. Childers DG, et al. **Folia Phoniatr (Basel)** 1984;36(3):105–18
Speech respiration as an indicator of integrative contextual processing. Conrad B, et al. **Folia Phoniatr (Basel)** 1983; 35(5):220–5
Quantitative study of whisper. Monoson P, et al. **Folia Phoniatr (Basel)** 1984;36(2):53–65
Handwriting posture as related to cerebral speech lateralization, sex, and writing hand. Ajersch MK, et al. **Hum Neurobiol** 1983;2(3):143–5
Serial aspects of language and speech related to prefrontal cortical activity. A selective review. Ingvar DH. **Hum Neurobiol** 1983;2(3):177–89 (120 ref.)
Speech representation in an unbiased sample of left-handers. Kimura D. **Hum Neurobiol** 1983;2(3):147–54
Quantitative studies on speech characteristics of aphasics. A statistical approach to vocabulary. Kreindler A, et al. **Hum Neurobiol** 1983;2(3):171–6
On learning to speak. Studdert-Kennedy M. **Hum Neurobiol** 1983;2(3):191–5
Laryngeal evaluation using features from speech and the electroglottograph. Smith AM, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):755–9
Evoked potential correlates of left hemisphere dominance in covert articulation. Papanicolaou AC, et al. **Int J Neurosci** 1983 Sep;20(3–4):289–93
A miniature electrode for surface electromyography during speech. Cole KJ, et al. **J Acoust Soc Am** 1983 Nov; 74(5):1362–6
Adaptive computation of articulatory parameters from the speech signal. Levinson SE, et al. **J Acoust Soc Am** 1983 Oct;74(4):1145–54
Mandible movements during increasingly rapid articulations of single syllables: preliminary observations. Nelson WL, et al. **J Acoust Soc Am** 1984 Mar;75(3):945–51
A kinematic study of lingual coarticulation in VCV sequences. Parush A, et al. **J Acoust Soc Am** 1983 Oct; 74(4):1115–25
Time relations between cricothyroid muscle activity and the voice fundamental frequency (F0) during sinusoidal modulations of F0 [letter] Sapir S, et al. **J Acoust Soc Am** 1984 May;75(5):1639–41
Initial observations concerning developmental characteristics of labio-mandibular kinematics. Smith BL, et al. **J Acoust Soc Am** 1984 May;75(5):1599–605
Experimental manipulation of speaking rate for studying temporal variability in children's speech. Smith BL, et al. **J Acoust Soc Am** 1983 Sep;74(3):744–9
Parameterization of the glottal area, glottal flow, and vocal fold contact area. Titze IR. **J Acoust Soc Am** 1984 Feb; 75(2):570–80
Labial coordination in children: preliminary considerations [letter] Watkin KL, et al. **J Acoust Soc Am** 1984 Feb; 75(2):629–32
Some problems of interarticulator phasing as an index of temporal regularity in speech. Barry WJ. **J Exp Psychol [Hum Percept]** 1983 Oct;9(5):826–8
Perceptual-motor processing of phonetic features in speech. Gordon PC, et al. **J Exp Psychol [Hum Percept]** 1984 Apr; 10(2):153–78
Converging evidence for the role of relative timing in speech. Tuller B, et al. **J Exp Psychol [Hum Percept]** 1983 Oct; 9(5):829–33
Control of complex motor gestures: orofacial muscle responses to load perturbations of lip during speech. Abbs JH, et al. **J Neurophysiol** 1984 Apr;51(4):705–23
Intentional responses to kinesthetic stimuli in orofacial muscles: implications for the coordination of speech movements. Cole KJ, et al. **J Neurosci** 1983 Dec; 3(12):2660–9
Evaluation of the effects of palatal augmentation on partial glossectomy speech. Christensen JM, et al. **J Prosthet Dent** 1983 Oct;50(4):539–43
Speech production with flaccid paralysis of the rib cage, diaphragm, and abdomen. Hixon TJ, et al. **J Speech Hear Disord** 1983 Aug;48(3):315–27
Phonological proficiency of two cleft palate toddlers with school-age follow-up. Lynch JI, et al. **J Speech Hear Disord** 1983 Aug;48(3):274–85
A longitudinal study of the development of stop consonant production in normal and Down's syndrome children. Smith BL, et al. **J Speech Hear Disord** 1983 May; 48(2):114–8
Recruitment thresholds of lower-lip motor units with changes in movement direction. McClean MD. **J Speech Hear Res** 1984 Mar;27(1):6–12
Deaf speakers' laryngeal behavior. Mahshie JJ, et al. **J Speech Hear Res** 1983 Dec;26(4):550–9
Acoustic analysis of stutterers' fluent speech before and after therapy. Metz DE, et al. **J Speech Hear Res** 1983 Dec; 26(4):531–6
Magnitude estimation of oral cavity distances. Siegel GM, et al. **J Speech Hear Res** 1983 Dec;26(4):574–8
Tongue movement during speech: a real-time ultrasound evaluation. Shawker TH, et al. **JCU** 1984 Mar-Apr; 12(3):125–33
Is verbal behavior confined to the speech apparatus? [editorial] McGuigan FJ. **Pavlov J Biol Sci** 1983 Oct-Dec; 18(4):216–7
Otitis media with effusion during the first three years of life and development of speech and language. Teele DW, et al. **Pediatrics** 1984 Aug;74(2):282–7
Vowel distortion in traumatic dysarthria: lip rounding versus tongue advancement. Ziegler W, et al. **Phonetica** 1983; 40(4):312–22
[Determination of the value of the EE index as the level of expiratory efficiency during experimental logopedic observation of children aged 3–6 years] Blachnio K. **Pediatr Pol** 1984 Apr;59(4):311–4 (Eng. Abstr.) **(Pol)**
[Effect of rehabilitation of the feeding function on the development of visual-motor coordination and speech in children with infantile cerebral palsy] Borkowska M. **Probl Med Wieku Rozwoj** 1979;9:209–34 (Eng. Abstr.) **(Pol)**

SPEECH ACOUSTICS see under **SPEECH**

SPEECH, ALARYNGEAL

see related
LARYNX, ARTIFICIAL

The alaryngeal speaker: an annotated bibliography 1970–1982. Crowe TA, et al. **ASHA** 1984 Apr;26(4):67–74
Conservation, restoration and rehabilitation of voice in treating patients with carcinoma of the larynx. A 10-year review of 244 patients. Kawasaki H, et al. **Auris Nasus Larynx** 1983;10 Suppl:S111–4
Utterance and pause lengths and frequencies in oral readings by superior esophageal speakers and by normal speakers. Horii Y. **Comput Biomed Res** 1983 Oct;16(5):446–53
Speech therapy after total laryngectomy and esophageal replacement in a preschool patient: a case study. Jacobs AH, et al. **Int J Pediatr Otorhinolaryngol** 1980 Apr; 2(1):21–32

Effect of gastroesophageal reflux on esophageal speech. Mathis JG, et al. **J Clin Gastroenterol** 1983 Dec;5(6):503–7
Surgical measures in post–laryngectomy speech rehabilitation. Shedd DP. **J Laryngol Otol [Suppl]** 1983; 8:37–8
Voice preservation and restoration in advanced laryngopharyngeal cancer—the northwestern experience. Sisson GA, et al. **J Laryngol Otol [Suppl]** 1983;8:30–6
Esophageal insufflation testing in nonlaryngectomized adults. McGarvey SD, et al. **J Speech Hear Disord** 1984 Aug; 49(3):272–7
A comparative acoustic study of normal, esophageal, and tracheoesophageal speech production. Robbins J, et al. **J Speech Hear Disord** 1984 May;49(2):202–10
Pharyngeal myotomy for vocal rehabilitation postlaryngectomy. Chodosh PL, et al. **Laryngoscope** 1984 Jan;94(1):52–7
Tracheoesophageal speech: vocal rehabilitation after total laryngectomy. Singer MI. **Laryngoscope** 1983 Nov;93(11 Pt 1):1454–65
Prognostic factors affecting the success of duckbill vocal restoration. Schuller DE, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):396–8
Non–surgical vocal rehabilitation in the laryngectomized patient. Young KA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):200–3
[A study of vowel duration in Afrikaans esophageal speakers] Botha M. **S Afr J Commun Disord** 1983;30:50–5 (Eng. Abstr.) **(Afr)**
[Phonation pressures in patients with neoglottis phonatoria] Hybášek I, et al. **Cesk Otolaryngol** 1984 Feb;33(1):1–7 (Eng. Abstr.) **(Cze)**
[Contribution to the physiology of voice production after laryngectomy and the creation of a neoglottis by the Staffieri technic] Novák A, et al. **Cesk Otolaryngol** 1983 Jul;32(5):257–64 (Eng. Abstr.) **(Cze)**
[Surgical rehabilitation of the voice following Serafini's, Amatsu's and Staffieri's laryngectomies] Navrátil J. **Acta Univ Palacki Olomuc Fac Med** 1983;105:153–8 **(Ger)**
[Phoniatric evaluation of the vice and speech in patients with surgically created vocal shunt] Tarnowska C. **Ann Acad Med Stetin** 1980;26:435–57 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

Evaluations of Blom–Singer tracheoesophageal puncture prostheses performance. Moon JB, et al. **J Speech Hear Res** 1983 Sep;26(3):459–64
Tracheoesophageal fistula for Panje tube. Lewis DR, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1486
Voice restoration after total laryngectomy. Thawley SE, et al. **Mo Med** 1983 Sep;80(9):572–5

METHODS

Selected acoustic features of tracheoesophageal, esophageal, and laryngeal speech. Robbins J, et al. **Arch Otolaryngol** 1984 Oct;110(10):670–2
Laryngectomees in Norway. Study No. 3: Pre– and postoperative factors of significance to esophageal speech acquisition. Natvig K. **J Otolaryngol** 1983 Oct;12(5):322–8
Voice rehabilitation after total laryngectomy. Singer MI, et al. **J Otolaryngol** 1983 Oct;12(5):329–34
Perception of lexical stress in alaryngeal speech. Gandour J, et al. **J Speech Hear Res** 1983 Sep;26(3):418–24
Surgical rehabilitation of the alaryngeal patient. Lopez MJ. **Mo Med** 1984 Jan;81(1):23–7
[Rare case of esophageal speech production in a patient with bilateral lesions of the recurrent laryngeal nerve] Lavrova EV. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):79–80 **(Rus)**

PSYCHOLOGY

A tactic for facilitating social interaction with laryngectomees. Blood GW, et al. **J Speech Hear Disord** 1982 Nov;47(4):416–9
[Social readaptation of patients after laryngectomy with vocal shunt] Wasilewska M, et al. **Otolaryngol Pol** 1984; 38(1):59–63 (Eng. Abstr.) **(Pol)**

SPEECH ARTICULATION TESTS see under **SPEECH PRODUCTION MEASUREMENT**

SPEECH DISCRIMINATION see **SPEECH PERCEPTION**

SPEECH DISCRIMINATION TESTS

Dichotic listening performance in normal children and adults. Bissell JC, et al. **Am J Occup Ther** 1984 Mar;38(3):176–83
Verification of the corrected Staggered Spondaic Word (SSW) score in adults with cochlear hearing loss. Arnst DJ, et al. **Ear Hear** 1983 Sep–Oct;4(5):243–6
Listener–assessed intelligibility of a hearing aid self–adaptive noise filter. Stein LK, et al. **Ear Hear** 1984 Jul–Aug; 5(4):199–204
Recognition of time–compressed high– and low–predictability sentences by normal subjects. Newman CW. **J Aud Res** 1982 Oct;22(4):259–64
Slope characteristics of CID W–22 word functions in elderly hearing–impaired listeners. Beattie RC, et al. **J Speech Hear Disord** 1983 May;48(2):119–27
English, Spanish, and bilingual speakers' performance on a nonsense syllable test (NST) of speech sound discrimination. Danhauer JL, et al. **J Speech Hear Disord** 1984 May;49(2):164–8
Comparison of the Auditec and Rintelmann recordings of the NU–6. Frank T, et al. **J Speech Hear Disord** 1984 Aug; 49(3):267–71
Clinical measurements of speech reception threshold in noise. Hagerman B. **Scand Audiol** 1984;13(1):57–63
[Speech audiometry for French Canadians] Picard M. **Audiology** 1984;23(4):337–65 (66 ref.) (Eng. Abstr.) **(Fre)**
[Relations between pure–tone threshold and discrimination of monosyllables in inner ear high–frequency hearing disorders] Battmer RD, et al. **HNO** 1984 Feb;32(2):69–73 (Eng. Abstr.) **(Ger)**

ECONOMICS

Cost effectiveness of various spondee–threshold methods. Harris LV, et al. **J Aud Res** 1982 Apr;22(2):143–51

METHODS

The effects of high pass filtered speech on speech discrimination. Williamson DG, et al. **Br J Audiol** 1983 May;17(2):77–9
A children's Spanish word discrimination test for non–Spanish–speaking clinicians. Comstock CL, et al. **Ear Hear** 1984 May–Jun;5(3):166–70
List equivalency of the CID everyday sentences (Harris revision) under three signal–to–noise ratios. Rippy JV, et al. **Ear Hear** 1983 Sep–Oct;4(5):251–4
Four spondee threshold procedures: a comparison. Wall LG, et al. **Ear Hear** 1984 May–Jun;5(3):171–4
The intelligibility of sentences in quiet and in noise in aged listeners. Duquesnoy AJ. **J Acoust Soc Am** 1983 Oct; 74(4):1136–44
The effects of high–pass and of low–pass filtering upon the intelligibility of speech in white noise. Niederjohn RJ, et al. **J Aud Res** 1982 Jul;22(3):189–99
A preliminary report on three 40–word revised CID W–22 lists of equal difficulty. Sells JP, et al. **J Aud Res** 1982 Jan;22(1):29–35
Speech Sounds Perception Test: a rational response strategy can invalidate the test results. Bolter JF, et al. **J Consult Clin Psychol** 1984 Feb;52(1):132–3
Response time and percentage correct as measures of hearing aid performance. Seavertson JM, et al. **J Speech Hear Disord** 1983 Nov;48(4):409–14
[Long–term average spectrography of speech. Discrimination between the normal voice and the pathological voice] Dejonckere PH, et al. **Acta Otorhinolaryngol Belg** 1983; 37(5):784–95 (Eng. Abstr.) **(Fre)**

STANDARDS

Comparison of English and French versions of a dichotic auditory perception test (SSW) on normal bilingual subjects. Rudmin F, et al. **J Aud Res** 1982 Jul;22(3):200–4
Item analysis of Halstead's Speech–Sounds Perception Test: quantitative and qualitative analysis of errors. Bornstein RA, et al. **J Clin Neuropsychol** 1984 May;6(2):205–14
Equivalent forms and split–half reliability of the NU–CHIPS administered in noise. Chermak GD, et al. **J Speech Hear Disord** 1984 May;49(2):196–201
Suggestions for optimizing reliability with the synthetic sentence identification test. Dubno JR, et al. **J Speech Hear Disord** 1983 Feb;48(1):98–103
Standardization of a test of speech perception in noise. Bilger RC, et al. **J Speech Hear Res** 1984 Mar;27(1):32–48

SPEECH DISORDERS

see related
VELOPHARYNGEAL INSUFFICIENCY

Auditory discrimination in speech–impaired and normal children as related to age. Morgan RA. **Br J Disord Commun** 1984 Apr;19(1):89–96
A case report of pathological rule–governed syllable intrusion. Van Lancker DR, et al. **Brain Lang** 1983 Sep; 20(1):12–20
Clinical phonology: the explanation and treatment of speech sound disorders. Locke JL. **J Speech Hear Disord** 1983 Nov;48(4):339–41

CHEMICALLY INDUCED

Language and speech behaviors of children with undue lead absorption: a review of the literature. Mayfield SA. **J Speech Hear Res** 1983 Sep;26(3):362–8
Unrecognized chronic lithium neurotoxic reactions. Lewis DA. **JAMA** 1983 Oct 21;250(15):2029–30
Metoclopramide–induced dysarthria [letter] Sandyk R. **S Afr Med J** 1983 Oct 29;64(19):732

COMPLICATIONS

Disorders of verbal expression in parkinsonism. Streifler M, et al. **Adv Neurol** 1984;40:385–93
Speech abnormalities in tardive dyskinesia. Gerratt BR, et al. **Arch Neurol** 1984 Mar;41(3):273–6
Speech fluency in crossed aphasia. Henderson VW. **Brain** 1983 Dec;106 (Pt 4):837–57
Phoniatric and neurological findings in children with optic disc drusen. Rantala SL, et al. **Folia Phoniatr (Basel)** 1983; 35(6):316–21
Fragile X syndrome: its relations to speech and language disorders. Paul R, et al. **J Speech Hear Disord** 1984 Aug; 49(3):328–32

DIAGNOSIS

Speech and language disorders in children. Van Dyke DC, et al. **Am Fam Physician** 1984 May;29(5):257–68
Neurogenic dysphonia. Hartman DE. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):57–64
Aphemia. Clinical–anatomic correlations. Schiff HB, et al. **Arch Neurol** 1983 Nov;40(12):720–7
Clinical management of communicatively handicapped minority populations. **ASHA** 1984 Jun;26(6):55–7
Improving language assessment in minority children. Vaughn–Cooke FB. **ASHA** 1983 Sep;25(9):29–34
Methods and empirical issues in analyzing functional misarticulation. Dinnsen DA. **ASHA Monogr** 1984 May; (22):5–17
On determining underlying phonological representations of children: a critique of the current theories. Maxwell EM. **ASHA Monogr** 1984 May;(22):18–29
Procedures for linguistic analysis of misarticulated speech. Maxwell EM, et al. **ASHA Monogr** 1984 May;(22):69–91
Acoustic analysis strategies for the refinement of phonological analysis. Weismer G. **ASHA Monogr** 1984 May;(22):30–52
Monosymptomatic athetosis or functional disorder: an extraordinary case of strikingly deep larynx associated with speech disorder. Ebner W. **Folia Phoniatr (Basel)** 1983; 35(5):241–4
Clinical evaluation of the speech following maxillectomy. Takeuchi K, et al. **Hiroshima J Med Sci** 1983 Sep; 32(3):359–66
Three perspectives on the speech of children with Down's syndrome. Bleile K, et al. **J Commun Disord** 1984 Apr; 17(2):87–94
Speech and voice parameters of depression: a pilot study. Darby JK, et al. **J Commun Disord** 1984 Apr;17(2):75–85
Linguistic processing and performance in articulation–disordered subgroups of language–impaired children. Isaacs LD, et al. **J Commun Disord** 1984 Apr; 17(2):109–20
Learning disabilities with communicative disorders as related handicaps: a two–year study. Stewart JM, et al. **J Commun Disord** 1983 Sep;16(5):345–55
Verbal impairment after closed head injury. Report of a replication study. Sarno MT. **J Nerv Ment Dis** 1984 Aug; 172(8):475–9
Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part I. Boss BJ. **J Neurosurg Nurs** 1984 Jun;16(3):151–60
Dysphasia, dyspraxia, and dysarthria: distinguishing features, Part II. Boss BJ. **J Neurosurg Nurs** 1984 Aug;16(4):211–6
Diadochokinetic syllable rate and regularity in normal and in spastic and ataxic dysarthric subjects. Portnoy RA, et al. **J Speech Hear Disord** 1982 Aug;47(3):324–8
Phonological disorders III: a procedure for assessing severity of involvement. Shriberg LD, et al. **J Speech Hear Disord** 1982 Aug;47(3):256–70
Phonological disorders I: a diagnostic classification system. Shriberg LD, et al. **J Speech Hear Disord** 1982 Aug; 47(3):226–41
The relationship of communication disorders to syndrome identification. Siegel–Sadewitz V, et al. **J Speech Hear Disord** 1982 Nov;47(4):338–54
Identification of speech disorders. Diedrich WM, et al. **JDBP** 1984 Feb;5(1):38–41
The functional assessment of verbal impairment. Sarno MT. **Scand J Rehabil Med [Suppl]** 1983;9:75–81
What speech therapists can contribute. Stengelhofen J. **Spec Educ Forward Trends** 1983 Dec;10(4):35–6
[Orthophonic evaluation in articulation disorders] Gatelet N. **Chir Pediatr** 1983;24(4–5):354–5 **(Fre)**
[Clefts of the secondary palate. monitoring on the phonetic level. Diagnosis of velar insufficiency] Mousset MR. **Chir Pediatr** 1983;24(4–5):345–6 **(Fre)**
[The localizing value of speech disorders in transitory cerebral ischemia] Goldenberg G. **Wien Klin Wochenschr** 1983 Oct 14;95(19):671–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Language in right–handers with right–hemisphere lesions: a preliminary study including anatomical, genetic, and social factors. Joanette Y, et al. **Brain Lang** 1983 Nov; 20(2):217–48
Phoniatric disturbances in patients after partial tongue resection for malignant neoplasms. Pruszewicz A, et al. **Folia Phoniatr (Basel)** 1984;36(2):84–92
Communication development in young children with long–term tracheostomies: preliminary report. Simon BM, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):37–50
Focal cranial dystonia. Golper LA, et al. **J Speech Hear Disord** 1983 May;48(2):128–34
Auditory dysfunction following a gunshot wound of the pons. Pinheiro ML, et al. **J Speech Hear Disord** 1982 Aug; 47(3):296–300
Assessment of efficacy of intervention in hearing impaired children with speech and language deficits. Ruben RJ, et al. **Laryngoscope** 1984 Jan;94(1):10–5
Speech arrest and supplementary motor area seizures. Peled

R, et al. **Neurology (NY)** 1984 Jan;34(1):110–1
Otitis media and the development of speech and language. Klein JO. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):389–91
Sequelae and complications of palatopharyngoplasty: impact on vocal trill [letter]. Samelson CF. **Sleep** 1984;7(1):83–4
[Agraphia, cortical anarthria and planning disorders as a result of a lesion of the right hemisphere in a right-handed patient] Demeurisse G, et al. **Acta Neurol Belg** 1984 May–Jul;84(3):119–30 (Eng. Abstr.) **(Fre)**
[Laryngeal dysfunction at the lesion in phoniatrics] Marco-Dutoit ML. **Rev Med Suisse Romande** 1984 Mar; 104(3):225–30 **(Fre)**

OCCURRENCE

On aging. Fein DJ. **ASHA** 1984 Aug;26(8):25
Projections of speech and hearing impairments to 2050. Fein DJ. **ASHA** 1983 Sep;25(9):47
Projections of speech and hearing, impairments to 2050. Fein DJ. **ASHA** 1983 Nov;25(11):31
The prevalence of 'incidence' is too high. Moscicki EK. **ASHA** 1984 Aug;26(8):39–40

PHYSIOPATHOLOGY

Aprosodia in Chinese patients with right cerebral hemisphere lesions. Hughes CP, et al. **Arch Neurol** 1983 Nov; 40(12):732–6
Brain-stem, middle latency and late cortical evoked potentials in children with speech and language disorders. Mason SM, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;59(4):297–309
Acoustical analysis of vowel duration in apraxia of speech: a case study. Caligiuri MP, et al. **Folia Phoniatr (Basel)** 1983;35(5):226–34
Speech, language and communication disorders of the multiply handicapped. Schiefelbusch RL. **Folia Phoniatr (Basel)** 1984;36(1):8–23
Articulatory recovery after traumatic mutism. Vogel M, et al. **Folia Phoniatr (Basel)** 1983;35(6):294–309
Non-paralytic motor disturbances and speech disorders: the role of the supplementary motor area. Gelmers HJ. **J Neurol Neurosurg Psychiatry** 1983 Nov;46(11):1052–4
A physiological approach to the dysarthrias [letter] Rosenbek JC, et al. **J Speech Hear Disord** 1982 Aug;47(3):334
Force transducers for the evaluation of labial, lingual, and mandibular motor impairments. Barlow SM, et al. **J Speech Hear Res** 1983 Dec;26(4):616–21
Mechanics of vocal fold vibration and laryngeal articulatory gestures produced by hearing-impaired speakers. Metz DE, et al. **J Speech Hear Res** 1984 Mar;27(1):62–9
Comprehension of affective and nonaffective prosody. Heilman KM, et al. **Neurology (NY)** 1984 Jul;34(7):917–21
EMG activity with the jaw fixed of orbicularis oris superior, orbicularis oris inferior and masseter muscles of articulatory disordered children. Rastatter M, et al. **Percept Mot Skills** 1984 Feb;58(1):286
EMG activity of orbicularis oris superior, orbicularis oris inferior, and masseter muscles of articulatory disordered children. Rastatter M, et al. **Percept Mot Skills** 1984 Feb; 58(1):191–6
Vowel distortion in traumatic dysarthria: lip rounding versus tongue advancement. Ziegler W, et al. **Phonetica** 1983; 40(4):312–22
[The voice onset time of apraxic and dysarthric speakers] Gillmer E, et al. **S Afr J Commun Disord** 1983;30:34–9 (Eng. Abstr.) **(Afr)**
[Determination of the value of the EE index as the level of expiratory efficiency during experimental logopedic observation of children aged 3–6 years] Blachnio K. **Pediatr Pol** 1984 Apr;59(4):311–4 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Prevention: a challenge for the profession. **ASHA** 1984 Aug; 26(8):35–7
The prevention of communication disorders. Marge M. **ASHA** 1984 Aug;26(8):29–33, 37

PSYCHOLOGY

Spelling performance of children with developmental verbal dyspraxia. Snowling M, et al. **Dev Med Child Neurol** 1983 Aug;25(4):430–7
A microanalysis of participant behavior in familiar and unfamiliar test conditions. Fuchs D, et al. **Except Child** 1983 Sep;50(1):75–7
Evidence for an apparent sensory speech disorder in Parkinson's disease. Scott S, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):840–3
Classroom teachers' attitudes toward children with articulatory disorders. Ruscello DM, et al. **Percept Mot Skills** 1983 Oct;57(2):527–30

RADIOGRAPHY

[Bilateral symmetrical low density areas in the basal ganglia—a case with dysarthria and gait disturbance] Ugawa Y, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):354–7 (Eng. Abstr.) **(Jpn)**

REHABILITATION

Microcomputer-based communication augmentation systems for two nonspeaking, physically handicapped persons with severe visual impairment. Beukelman DR, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):89–91
Clinical EMG feedback in motor speech disorders. Draizar A. **Arch Phys Med Rehabil** 1984 Aug;65(8):481–4
Dysarthria and aphagia: a case study of neuromuscular treatment. Harris B, et al. **Arch Phys Med Rehabil** 1984 Jul;65(7):408–12
Beyond the boundaries. Dancer J, et al. **ASHA** 1983 Jul; 25(7):25–30
The use of communication boards in a residential setting: an evaluation. Calculator S, et al. **J Speech Hear Disord** 1982 Aug;47(3):281–7
Evaluating the effectiveness of a communication board training program. Calculator S, et al. **J Speech Hear Disord** 1983 May;48(2):185–91
Decision-making processes in augmentative communication. Owens RE Jr, et al. **J Speech Hear Disord** 1984 Feb; 49(1):18–25
Communication for the speechless person. Horner J. **NC Med J** 1984 Aug;45(8):505–9
Cut off from people. Kunze LH. **NC Med J** 1984 Jan; 45(1):31–5
A short report from the project 'Improved communication aids for people with speech impediments'. Björck-Akesson E, et al. **Scand J Rehabil Med [Suppl]** 1983;9:9–14
[Rehabilitation of the aged patients with speech disorders] Hasegawa T. **Nippon Rinsho** 1983 Oct;41(10):2281–9 **(Jpn)**
[Rehabilitation in disorders of human communication] Corvera-Bernardelli J, et al. **Gac Med Mex** 1983 Nov; 119(11):431–43 **(Spa)**

SURGERY

Down's syndrome and tongue size [letter] Rozner L. **Med J Aust** 1984 Aug 4;141(3):196–7

THERAPY

A comparison of three techniques of palatorrhaphy: early speech results. Holtmann B, et al. **Ann Plast Surg** 1984 Jun;12(6):514–8
EMG biofeedback in the modification of hypertonia in spastic dysarthria: case report. Nemec RE, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):103–4
Organization and maintenance of records for clinical service delivery. **ASHA** 1984 Apr;26(4):49
Guidelines for caseload size for speech-language services in the schools. Committee on Language, Speech, and Hearing Services in the Schools. **ASHA** 1984 Apr;26(4):53–8
Speech and language research support in the U.S. Ludlow CL, et al. **ASHA** 1983 Aug;25(8):37–42
On the relationship between phonology and learning. Dinnsen DA, et al. **ASHA Monogr** 1984 May;(22):59–68
Phonological processes in articulation intervention. McReynolds LV, et al. **ASHA Monogr** 1984 May;(22):53–8
Acquisition of frication by severely hearing-impaired children. Gulian E, et al. **Br J Audiol** 1983 Nov; 17(4):219–31
Acquisition of the voicing distinction by profoundly hearing-impaired children. Gulian E, et al. **Br J Audiol** 1983 Nov;17(4):233–44
The unintelligible child: a problem for the health care team. Stackhouse J, et al. **Child Care Health Dev** 1983 Nov–Dec; 9(6):327–37
The response of the apparent receptive speech disorder of Parkinson's disease to speech therapy. Scott S, et al. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):302–4
Phonological evaluation and remediation of speech deviations of a child with a repaired cleft palate: a case study. Hodson BW, et al. **J Speech Hear Disord** 1983 Feb;48(1):93–8
Reduction of hemifacial spasm and dysarthria following EMG biofeedback. Rubow RT, et al. **J Speech Hear Disord** 1984 Feb;49(1):26–33
Phonological disorders II: a conceptual framework for management. Shriberg LD, et al. **J Speech Hear Disord** 1982 Aug;47(3):242–56
Reply to Ralph Shelton [letter] Weiner FF. **J Speech Hear Disord** 1982 Aug;47(3):335–6
Lombard and sidetone amplification effects in normal and misarticulating children. Siegel GM, et al. **J Speech Hear Res** 1984 Mar;27(1):56–62
[Roundabout therapy in speech therapy of developmentally disordered children and adolescents] Emich IF. **Padiatr Grenzgeb** 1984;23(3):163–70 (Eng. Abstr.) **(Ger)**

URINE

Fumaric aciduria: a new organic aciduria, associated with mental retardation and speech impairment. Whelan DT, et al. **Clin Chim Acta** 1983 Aug 31;132(3):301–8

SPEECH, ESOPHAGEAL see under **SPEECH, ALARYNGEAL**

SPEECH INTELLIGIBILITY

see related
SPEECH PRODUCTION MEASUREMENT

Auditory processing of the acoustic patterns of speech. Miller JD. **Arch Otolaryngol** 1984 Mar;110(3):154–9
The unintelligible child: a problem for the health care team. Stackhouse J, et al. **Child Care Health Dev** 1983 Nov–Dec; 9(6):327–37
The effects of listening conditions on speech rating obtained in a clinical setting. Moller KT, et al. **Cleft Palate J** 1984 Apr;21(2):65–9
Pediatric speech intelligibility test. I. Generation of test materials. Jerger S, et al. **Int J Pediatr Otorhinolaryngol** 1980 Sep;2(3):217–30
Use of the articulation index for assessing residual auditory function in listeners with sensorineural hearing impairment. Pavlovic CV. **J Acoust Soc Am** 1984 Apr;75(4):1253–8
An evaluation of some assumptions underlying the articulation index. Pavlovic CV, et al. **J Acoust Soc Am** 1984 May;75(5):1606–12
Intelligibility of VCV segments excised from connected speech. Schmidt-Nielsen A. **J Acoust Soc Am** 1983 Sep; 74(3):726–38
Vowel-learning and the vowel system of deaf children: age and feedback-related differences. Gulian E, et al. **J Commun Disord** 1983 Nov;16(6):449–69
Effects of a prosthetic tongue on vowel formants and isovowel lines in a patient with total glossectomy (an addendum to Leonard and Gillis, 1982). Leonard RJ, et al. **J Speech Hear Disord** 1983 Nov;48(4):423–6
The oral speech intelligibility of hearing-impaired talkers. Monsen RB. **J Speech Hear Disord** 1983 Aug;48(3):286–96
The intelligibility of deaf speech to experienced and inexperienced listeners. McGarr NS. **J Speech Hear Res** 1983 Sep;26(3):451–8
Prosodic features and the intelligibility of accelerated speech: syntactic versus periodic segmentation. Wingfield A, et al. **J Speech Hear Res** 1984 Mar;27(1):128–34
Simultaneous measurements of vowels produced by a hearing-impaired speaker. McGarr NS, et al. **Lang Speech** 1983 Jul–Sep;26 (Pt 3):233–46

PHYSIOLOGY

Increase in jammed word intelligibility due to training of listeners. Nixon CW, et al. **Aviat Space Environ Med** 1982 Mar;53(3):239–44
Effect of a single interfering noise or speech source upon the binaural sentence intelligibility of aged persons. Duquesnoy AJ. **J Acoust Soc Am** 1983 Sep;74(3):739–43
Performance of hearing-impaired listeners under various types of amplitude compression. Náběl ek IV. **J Acoust Soc Am** 1983 Sep;74(3):776–91
Evaluation of speech of laryngectomees after the Amatsu tracheoesophageal shunt operation. Amatsu M, et al. **Laryngoscope** 1984 May;94(5 Pt 1):696–701
Intelligibility alterations in an oral cancer patient following primary surgery and two reconstructions: a case study. Jacobson MC. **S Afr J Commun Disord** 1983;30:15–24
[Objective evaluation of speech intelligibility during flight] Frolov MV, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct; 17(5):80–1 **(Rus)**

SPEECH PATHOLOGY

Social dialects. **ASHA** 1983 Sep;25(9):23–4
Proposed changes in the requirements for the certificate of clinical competence. **ASHA** 1983 Sep;25(9):65
Committee report. Ad Hoc Committee on Long Range Planning. **ASHA** 1983 Sep;25(9):61–4
Ethical Practice Board statement of practices and procedures (effective September 1982). **ASHA** 1983 Nov;25(11):21, 23
Implications of the position on social dialects. Cole L. **ASHA** 1983 Sep;25(9):25–7
Resource Guide to Multicultural Tests and Materials. Supplement I. Cole L, et al. **ASHA** 1983 Sep;25(9):37–42
William W. Green [interview] Green WW. **ASHA** 1983 Nov; 25(11):17–20
The personal computer as a professional tool. Minifie FD. **ASHA** 1984 Jun;26(6):23–5
ASHA—from adolescence onward. Minifie FD. **ASHA** 1983 Dec;25(12):17–21
Non-native English speakers. Wiener FD, et al. **ASHA** 1983 Sep;25(9):18–22
David E. Yoder. ASHA interviews 1984 ASHA president. Yoder DE. **ASHA** 1984 Jan;26(1):23–6
Computer-generated reports of speech and language evaluations. Dalston RM. **Cleft Palate J** 1983 Jul; 20(3):227–37
Speech-language clinician personality variables and clinical effectiveness. Crane SL, et al. **J Speech Hear Disord** 1983 May;48(2):140–5
Interpersonal communication in speech-language pathology supervisory conferences: a qualitative study. Pickering M. **J Speech Hear Disord** 1984 May;49(2):189–95
Evaluation and rehabilitation in voice disorders. Feudo P Jr. **Otolaryngol Clin North Am** 1984 Feb;17(1):81–9
What speech therapists can contribute. Stengelhofen J. **Spec Educ Forward Trends** 1983 Dec;10(4):35–6

ECONOMICS

Salaries in the speech-language pathology and audiology profession. Punch JL. **ASHA** 1984 Jul;26(7):41–6

EDUCATION

Clinical supervision in speech-language pathology and audiology. **ASHA** 1984 May;26(5):45–8
ASHA's continuing education program. **ASHA** 1983 Aug; 25(8):25–6
ASHA interviews John C. 'Jack' Bess. Bess JC. **ASHA** 1983 Aug;25(8):19–21

Speech-language pathologists' clinical fellowship training. Crichton LJ, et al. **ASHA** 1984 Apr;26(4):39–43
Training issues. Graduate student externship. Ehrlich CH, et al. **ASHA** 1983 Dec;25(12):25–8
Continuing education in the next decade. Hodgkinson HL. **ASHA** 1983 Aug;25(8):23
A comparison of clinical plans and reports. Peaper RE, et al. **ASHA** 1984 Jan;26(1):37–41
Profile of educational programs in speech-language pathology and audiology. Punch JL, et al. **ASHA** 1984 Jan;26(1):43–8
Microcomputer applications. Rushakoff GE, et al. **ASHA** 1984 Jun;26(6):27–31
Preferred vehicles for continuing education. Shadden BB, et al. **ASHA** 1984 Jun;26(6):45–9
Games people play in clinical supervision. Sleight CC. **ASHA** 1984 Jan;26(1):27–9
Description and evaluation of a brief workshop run by child psychiatrists for a group of speech therapists to help them in their work with disorganized families from a deprived city area. Marks FM. **Child Care Health Dev** 1983 Sep–Oct; 9(5):293–9
Training programs in logopedics. Moll KL. **Folia Phoniatr (Basel)** 1983;35(5):198–219
Observed differences between direct, indirect, and direct/indirect videotaped supervisory conferences. Brasseur JA, et al. **J Speech Hear Res** 1983 Sep; 26(3):349–55
An attributional model of supervisors' decision-making behavior in speech-language pathology. Roberts JE, et al. **J Speech Hear Res** 1983 Dec;26(4):537–49

INSTRUMENTATION

A clinician's model for the review of speech, language, and hearing microcomputer software. Rishakoff GE. **ASHA** 1984 Aug;26(8):43–4
Force transducers for the evaluation of labial, lingual, and mandibular motor impairments. Barlow SM, et al. **J Speech Hear Res** 1983 Dec;26(4):616–21

MANPOWER

Occupational mobility of speech-language pathologists and audiologists: Part I. Punch J. **ASHA** 1983 Dec;25(12):23

METHODS

A consultation model for speech and language intervention. Frassinelli L, et al. **ASHA** 1983 Nov;25(11):25–30
Acoustic analysis of voice for computerized laryngeal pathology assessment. Cox NB, et al. **J Otolaryngol** 1983 Oct;12(5):295–301
Direct magnitude estimation and interval scaling of stuttering severity. Schiavetti N, et al. **J Speech Hear Res** 1983 Dec; 26(4):568–73

STANDARDS

Cognitive complexity, rhetorical sensitivity: contributing factors in clinical skill? Dowling S, et al. **J Commun Disord** 1984 Feb;17(1):9–17
Perception of distorted 'R' sounds in the synthesized speech of children and adults. Sharf DJ, et al. **J Speech Hear Res** 1983 Dec;26(4):516–24
Comparison of speech-language pathologists' and naive subjects' identification of synthesized /r–w/ continua. Sharf DJ, et al. **J Speech Hear Res** 1983 Dec;26(4):525–30

TRENDS

PSB accreditation for schools: A source of pride. **ASHA** 1984 May;26(5):19–21
Findings from the 1983 ASHA Omnibus Survey. Fein DJ. **ASHA** 1984 Apr;26(4):45–8
On aging. Fein DJ. **ASHA** 1984 Aug;26(8):25
Reflections on the elusive mystery of our discipline/profession. Nation JE. **ASHA** 1984 Jul;26(7):35–8
Occupational mobility of speech-language pathologists and audiologists: Part II. Punch J. **ASHA** 1984 May;26(5):29
Knowledge and service: does the foundation of our science need shoring? Zimmermann GN. **ASHA** 1984 Apr; 26(4):31–2

SPEECH PERCEPTION

Discrimination and identification of emotions in human voice by brain-damaged subjects. Denes G, et al. **Acta Neurol Scand** 1984 Mar;69(3):154–62
Interference effects in an auditory Stroop task: congruence and correspondence. Green EJ, et al. **Acta Psychol (Amst)** 1983 Oct;53(3):183–94
Focused and divided attention to dichotic wordstreams. Keuss PJ, et al. **Acta Psychol (Amst)** 1983 Oct;53(3):217–29
Can attention give a left-ear advantage for verbal stimuli? Murray MR. **Acta Psychol (Amst)** 1983 Oct;53(3):243–52
Auditory feedback and speech development. Siegel GM, et al. **Adv Child Dev Behav** 1984;18:49–79
Relation of selected acoustical parameters and perceptual ratings to voice quality of Down syndrome children. Pentz AL Jr, et al. **Am J Ment Defic** 1983 Sep;88(2):203–10
Voice recognition: effects of orienting task, and a test of blind versus sighted listeners. Winograd E, et al. **Am J Psychol** 1984 Spring;97(1):57–70
Timing perturbations with complex auditory stimuli. Jamieson DG, et al. **Ann NY Acad Sci** 1984;423:96–102
Time's role for information, processing, and normalization. Massaro DW. **Ann NY Acad Sci** 1984;423:372–84
Commentary: strategies for encoding speech by a cochlear prosthesis. An overview. Miller JM, et al. **Arch Otolaryngol** 1984 Mar;110(3):139
Effects of intensity variations on auditory processing in aphasia. I. Equal intensities at each ear. McNeil MR, et al. **Audiology** 1983;22(6):560–81
Effects of intensity variations on auditory processing in aphasia. II. Different intensities at each ear. McNeil MR, et al. **Audiology** 1983;22(6):582–615
Clinical results of hearing aid with noise-level-controlled selective amplification. Ono H, et al. **Audiology** 1983 Sep–Oct;22(5):494–515
Event-related potentials during selective attention to speech sounds. Hansen JC, et al. **Biol Psychol** 1983 May–Jun; 16(3–4):211–24
Is AGC beneficial in hearing aids? King AB, et al. **Br J Audiol** 1984 Feb;18(1):31–8
Redundancy of syntactic information: an aid to young children's comprehension of sentential number. Nicolaci-da-Costa A, et al. **Br J Psychol** 1983 Aug;74 (Pt 3):343–52
The processing of the sounds and meanings of ongoing speech by aphasic subjects. Beck AR. **Brain Lang** 1984 Jul; 22(2):320–38
Acoustic cues for the perception of place of articulation in aphasia. Blumstein SE, et al. **Brain Lang** 1984 May; 22(1):128–49
Comprehension of directly and indirectly stated main ideas and details in discourse by brain-damaged and non-brain-damaged listeners. Brookshire RH, et al. **Brain Lang** 1984 Jan;21(1):21–36
Reconstructive retrieval deficits in Broca's aphasia. Cermak LS, et al. **Brain Lang** 1984 Jan;21(1):95–104
Interruption of phonological coding in conduction aphasia. Friedrich FJ, et al. **Brain Lang** 1984 Jul;22(2):266–91
Writing induces a right hemisphere linguistic advantage in dysphonetic dyslexic children: implications for attention and capacity models of laterality. Kershner J, et al. **Brain Lang** 1984 Jan;21(1):105–22
Dichotic listening ear asymmetry: patterns of longitudinal development. Morris R, et al. **Brain Lang** 1984 May; 22(1):49–66
Recovery of single word comprehension: CT-scan correlates. Selnes OA, et al. **Brain Lang** 1984 Jan;21(1):72–84
Phonemic imperception in aphasia. Varney NR. **Brain Lang** 1984 Jan;21(1):85–94
Comprehension of main ideas and details in coherent and noncoherent discourse by aphasic and nonaphasic listeners. Wegner ML, et al. **Brain Lang** 1984 Jan;21(1):37–51
Developmental changes across childhood in the perception of non-native speech sounds. Werker JF, et al. **Can J Psychol** 1983 Jun;37(2):278–86
Discrimination and identification of voicing and place contrasts in aphasic patients. Yeni-Komshian GH, et al. **Can J Psychol** 1983 Mar;37(1):107–31
A cross-linguistic study of the development of sentence interpretation strategies. Bates E, et al. **Child Dev** 1984 Apr; 55(2):341–54
Development of the ability to distinguish communicative intention and literal message meaning. Beal CR, et al. **Child Dev** 1984 Jun;55(3):920–8
Infant speech recognition in multisyllabic contexts. Goodsitt JV, et al. **Child Dev** 1984 Jun;55(3):903–10
Children's television viewing: attention and comprehension of auditory versus visual information. Pezdek K, et al. **Child Dev** 1983 Aug;54(4):1015–23
Sound priming in beginning readers. Reitsma P. **Child Dev** 1984 Apr;55(2):406–23
Acquisition of an unfamiliar script in story form by young children. Slackman E, et al. **Child Dev** 1984 Apr; 55(2):329–40
Why young listeners do not benefit from differentiating verbal redundancy. Sonnenschein S. **Child Dev** 1984 Jun; 55(3):929–35
Auditory perception in early lateralized brain damage. Bergman M, et al. **Cortex** 1984 Jun;20(2):233–42
Alterations in auditory processing of speech stimuli during aging in healthy subjects. Grady CL, et al. **Cortex** 1984 Mar;20(1):101–10
A dichotic listening study of differences in cerebral organization in dextral and sinistral subjects. Hugdahl K, et al. **Cortex** 1984 Mar;20(1):135–41
Developmental changes in the pattern of ear asymmetry as revealed by a dichotic listening task. Larsen S. **Cortex** 1984 Mar;20(1):5–17
Dichotic-listening performance following auditory discrimination training in Down's syndrome and developmentally retarded children. Pipe ME. **Cortex** 1983 Dec;19(4):481–91
Recognition of abstract and concrete words in a dichotic listening paradigm. Prior MR, et al. **Cortex** 1984 Mar; 20(1):149–57
Do individuals with Down's syndrome possess right hemisphere language dominance? Tannock R, et al. **Cortex** 1984 Jun;20(2):221–31
Clinical considerations in the use of time-compressed speech. Grimes AM, et al. **Ear Hear** 1984 Mar–Apr;5(2):114–7
Telephone listening ability for hearing-impaired individuals. Holmes AE, et al. **Ear Hear** 1984 Mar–Apr;5(2):96–100
Training auditory-visual speech reception in adults with moderate sensorineural hearing loss. Montgomery AA, et al. **Ear Hear** 1984 Jan–Feb;5(1):30–6
Effect of low-frequency hearing aid response on four measures of speech perception. Tecca JE, et al. **Ear Hear** 1984 Jan–Feb;5(1):22–9
Test-retest reliability of a forced-choice procedure for determining most comfortable loudness level for speech. Wall LG, et al. **Ear Hear** 1984 Mar–Apr;5(2):118–22
The application of the theory of signal detection to the assessment of speech perception. Yanz JL. **Ear Hear** 1984 Mar–Apr;5(2):64–71
Comparison of speech perception skills in young and old listeners. Yanz JL, et al. **Ear Hear** 1984 May–Jun;5(3):134–7
Language processing in partial English-Japanese bilinguals: evidence from Stroop-test results. Hatta T, et al. **Int J Neurosci** 1983 Sep;20(3–4):241–8
An orthogonal factor solution for the receptive speech scale of the Luria-Nebraska Neuropsychological Battery. Moses JA Jr, et al. **Int J Neurosci** 1983 Sep;20(3–4):183–7
Intonation as a cue to speech act identification in aphasic and other brain-damaged patients [news] Lonie J, et al. **Int J Rehabil Res** 1983 Dec;6(4):512–3
Speech processing studies using an acoustic model of a multiple-channel cochlear implant. Blamey PJ, et al. **J Acoust Soc Am** 1984 Jul;76(1):104–10
Infants' discrimination of intensity variation in multisyllabic stimuli. Bull D, et al. **J Acoust Soc Am** 1984 Jul;76(1):13–7
Underlying dimensions and individual differences in auditory, visual, and auditory-visual vowel perception by hearing-impaired children. Busby PA, et al. **J Acoust Soc Am** 1984 Jun;75(6):1858–65
Perceptual cues to the onset of voiced excitation in aspirated initial stops. Darwin CJ, et al. **J Acoust Soc Am** 1983 Oct; 74(4):1126–35
Effects of age and mild hearing loss on speech recognition in noise. Dubno JR, et al. **J Acoust Soc Am** 1984 Jul; 76(1):87–96
The discrimination of vowel duration by infants. Eilers RE, et al. **J Acoust Soc Am** 1984 Apr;75(4):1213–8
Perception of sine-wave analogs of voice onset time stimuli. Hillenbrand J. **J Acoust Soc Am** 1984 Jan;75(1):231–40
Speech perception by infants: categorization based on nasal consonant place of articulation. Hillenbrand J. **J Acoust Soc Am** 1984 May;75(5):1613–22
Perception of the voiced-voiceless contrast in syllable-final stops. Hillenbrand J, et al. **J Acoust Soc Am** 1984 Jul; 76(1):18–26
On duration and smoothing rules in a demisyllable-based isolated-word recognition system. Kahn D, et al. **J Acoust Soc Am** 1984 Feb;75(2):590–8
Stress and vowel duration effects on syllable recognition. Marshall CW, et al. **J Acoust Soc Am** 1983 Aug; 74(2):433–43
Perception of consonants in reverberation by native and non-native listeners [letter] Nábělek AK, et al. **J Acoust Soc Am** 1984 Feb;75(2):632–4
Effect of burst amplitude on the perception of stop consonant place of articulation. Ohde RN, et al. **J Acoust Soc Am** 1983 Sep;74(3):706–14
Does silence simply separate speech components? Pastore RE, et al. **J Acoust Soc Am** 1984 Jun;75(6):1904–7
Use of the articulation index for assessing residual auditory function in listeners with sensorineural hearing impairment. Pavlovic CV. **J Acoust Soc Am** 1984 Apr;75(4):1253–8
Monitoring for vowels in isolation and in a consonantal context. Rakerd B, et al. **J Acoust Soc Am** 1984 Jul; 76(1):27–31
Discrimination of speech processed by low-pass filtering and pitch-invariant frequency lowering. Reed CM, et al. **J Acoust Soc Am** 1983 Aug;74(2):409–19
The role of release bursts in the perception of [s]-stop clusters. Repp BH. **J Acoust Soc Am** 1984 Apr; 75(4):1219–30
Coarticulation in sequences of two nonhomorganic stop consonants: perceptual and acoustic evidence. Repp BH. **J Acoust Soc Am** 1983 Aug;74(2):420–7
Perception of voice-onset-time continua: a signal detection analysis. Rosner BS. **J Acoust Soc Am** 1984 Apr; 75(4):1231–42
Intelligibility of VCV segments excised from connected speech. Schmidt-Nielsen A. **J Acoust Soc Am** 1983 Sep; 74(3):726–38
On the role of the amplitude envelope for the perception of [b] and [w]. Shinn P, et al. **J Acoust Soc Am** 1984 Apr; 75(4):1243–52
Effects of auditory fatigue on speech intelligibility and lexical decision in noise. Sorin C, et al. **J Acoust Soc Am** 1983 Aug;74(2):456–66
Dynamic specification of coarticulated vowels. Strange W, et al. **J Acoust Soc Am** 1983 Sep;74(3):695–705
Time course of adaptation and recovery of channels selectively sensitive to frequency and amplitude modulation. Tansley BW, et al. **J Acoust Soc Am** 1983 Sep; 74(3):765–75
Perception of intervocalic stop consonants: the contributions of closure duration and formant transitions. Tartter VC, et al. **J Acoust Soc Am** 1983 Sep;74(3):715–25
Sensorineural hearing loss and the discrimination of vowel-like stimuli. Turner CW, et al. **J Acoust Soc Am** 1984 Feb;75(2):562–5
Speech recognition in a special case of low-frequency

hearing loss. Van Tasell DJ, et al. **J Acoust Soc Am** 1984 Apr;75(4):1207–12

Infant discrimination of two- and five-formant voiced stop consonants differing in place of articulation. Walley AC, et al. **J Acoust Soc Am** 1984 Feb;75(2):581–9

Phonemic and phonetic factors in adult cross-language speech perception. Werker JF, et al. **J Acoust Soc Am** 1984 Jun;75(6):1866–78

Acquisition of expressive signing by autistic children: an evaluation of the relative effects of simultaneous communication and sign-alone training. Remington B, et al. **J Appl Behav Anal** 1983 Fall;16(3):315–27

Message cues, intelligibility, and comprehension: a follow-up investigation. Garrett RL. **J Aud Res** 1982 Apr;22(2):93–7

Consonant identification in quiet and in noise with the normal and the sensorineural hearing-impaired. Givens GD, et al. **J Aud Res** 1981 Oct;21(4):279–85

Phonetic factors in the dichotic alignment of the Staggered Spondaic Word Test. Rudmin F. **J Aud Res** 1981 Oct; 21(4):247–54

Statistical test of a short form of the speech-sounds perception test in a child population. Moehle KA, et al. **J Clin Neuropsychol** 1984 Aug;6(3):337–40

Error pattern and item order on Halstead's Speech Sounds Perception Test. Bornstein RA, et al. **J Clin Psychol** 1984 Jan;40(1):266–70

Rey Auditory-Verbal Learning Test performance of patients with and without memory impairment. Rosenberg SJ, et al. **J Clin Psychol** 1984 May;40(3):785–7

Procedural influences on auditory comprehension: a second look at the Revised Token Test. Abkarian GG. **J Commun Disord** 1984 Apr;17(2):101–8

Linguistic processing and performance in articulation-disordered subgroups of language-impaired children. Isaacs LD, et al. **J Commun Disord** 1984 Apr; 17(2):109–20

Storage and processing constraints on integrating story information in children and adults. Ackerman BP. **J Exp Child Psychol** 1984 Aug;38(1):64–92

Trading relations in the perception of speech by 5-year-old children. Morrongiello BA, et al. **J Exp Child Psychol** 1984 Apr;37(2):231–50

Converging sources of evidence on spoken and perceived rhythms of speech: cyclic production of vowels in monosyllabic stress feet. Fowler CA. **J Exp Psychol [Gen]** 1983 Sep;112(3):386–412

Effect of lexical status on phonetic categorization. Fox RA. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):526–40

More adaptation of speech by nonspeech. Kat D, et al. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):512–25

Evaluation and integration of visual and auditory information in speech perception. Massaro DW, et al. **J Exp Psychol [Hum Percept]** 1983 Oct;9(5):753–71

Testing witnesses' voice recognition: some practical recommendations. Hammersley RH, et al. **J Forensic Sci Soc** 1983 Jul;23(3):203–8

Attention to stimuli, verbal labeling, and question asking in referential communication. Quay LC, et al. **J Gen Psychol** 1984 Apr;110(2d Half):267–74

Evidence for an apparent sensory speech disorder in Parkinson's disease. Scott S, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):840–3

Lateral preference patterns and cross-modal sensory integration. Dean RS, et al. **J Pediatr Psychol** 1983 Sep; 8(3):285–92

Word recognition in a foreign language: a study of speech perception. Goldstein H. **J Psycholinguist Res** 1983 Jul; 12(4):417–27

Assessing the psychological status of the vowel shift rule. Jaeger JJ. **J Psycholinguist Res** 1984 Jan;13(1):13–36

The effects of redundant communications on listeners: why different types may have different effects. Sonnenschein S. **J Psycholinguist Res** 1984 Mar;13(2):147–66

Subvocal motor activity and contextual processing. Zecker SG, et al. **J Psycholinguist Res** 1984 May;13(3):177–93

Comparison of the Auditec and Rintelmann recordings of the NU-6. Frank T, et al. **J Speech Hear Disord** 1984 Aug; 49(3):267–71

Perception and production of misarticulated (r). Hoffman PR, et al. **J Speech Hear Disord** 1983 May;48(2):210–5

Accuracy of adaptive procedure estimates of PF-max level. Kamm CA, et al. **J Speech Hear Disord** 1983 May; 48(2):202–9

Standardization of a test of speech perception in noise. Bilger RC, et al. **J Speech Hear Res** 1984 Mar;27(1):32–48

Auditory perception of speech contrasts by subjects with sensorineural hearing loss. Boothroyd A. **J Speech Hear Res** 1984 Mar;27(1):134–44

Perception and production of approximant consonants by normal and articulation-delayed preschool children. Broen PA, et al. **J Speech Hear Res** 1983 Dec;26(4):601–8

The perception of nonverbal vocal cues of emotional meaning by language-disordered and normal children. Courtright JA, et al. **J Speech Hear Res** 1983 Sep;26(3):412–7

Dichotic listening in good and poor readers. Dermody P, et al. **J Speech Hear Res** 1983 Sep;26(3):341–8

Perception of lexical stress in alaryngeal speech. Gandour J, et al. **J Speech Hear Res** 1983 Sep;26(3):418–24

Processing of cues for stop consonant voicing by young hearing-impaired listeners. Johnson D, et al. **J Speech Hear Res** 1984 Mar;27(1):112–8

The effects of presentation modality upon learning in a comprehension task using oral, manual, and dual mode stimulus cues. Karlan GR, et al. **J Speech Hear Res** 1983 Sep;26(3):436–43

Speech processing for cochlear implant prostheses. Millar JB, et al. **J Speech Hear Res** 1984 Jun;27(2):280–96

Answers to wh-questions: a developmental study. Parnell MM, et al. **J Speech Hear Res** 1984 Jun;27(2):297–305

The effects of time compression and time expansion on passage comprehension by elderly listeners. Schmitt JF. **J Speech Hear Res** 1983 Sep;26(3):373–7

Perception of distorted 'R' sounds in the synthesized speech of children and adults. Sharf DJ, et al. **J Speech Hear Res** 1983 Dec;26(4):516–24

Comparison of speech-language pathologists' and naive subjects' identification of synthesized /r-w/ continua. Sharf DJ, et al. **J Speech Hear Res** 1983 Dec;26(4):525–30

Lombard and sidetone amplification effects in normal and misarticulating children. Siegel GM, et al. **J Speech Hear Res** 1984 Mar;27(1):56–62

Effects of talker and of listener bias on stimulus dominance in dichotic listening. Speaks C, et al. **J Speech Hear Res** 1983 Sep;26(3):378–82

The contribution of perceptual learning to performance on the repetition task. Tomblin JB, et al. **J Speech Hear Res** 1983 Sep;26(3):369–72

Self-report approach to assessing benefit derived from amplification. Walden BE, et al. **J Speech Hear Res** 1984 Mar;27(1):49–56

Prosodic features and the intelligibility of accelerated speech: syntactic versus periodic segmentation. Wingfield A, et al. **J Speech Hear Res** 1984 Mar;27(1):128–34

Segment or syllable? A reaction-time investigation of phonetic processing. Barry WJ. **Lang Speech** 1984 Jan-Mar; 27 (Pt 1):1–15

Perceptual structure of monophthongs and diphthongs in English. Fox RA. **Lang Speech** 1983 Jan-Mar;26 (Pt 1):21–60

The perceptual center and rhythm categories. Hoequist CE Jr. **Lang Speech** 1983 Oct-Dec;26 (Pt 4):367–76

Vowel information in postvocalic fricative noises. Whalen DH. **Lang Speech** 1983 Jan-Mar;26 (Pt 1):91–100

Effect of sound deprivation on central hearing. Welsh LW, et al. **Laryngoscope** 1983 Dec;93(12):1569–75

Aphasics' perception of words in sentential context: some real-time processing evidence. Friederici AD. **Neuropsychologia** 1983;21(4):351–8

Mouth asymmetry, dichotic ear advantage and tachistoscopic visual field advantage as measures of language lateralization. Graves R. **Neuropsychologia** 1983; 21(6):641–9

The effect of asymmetrically focused attention upon subsequent ear differences in dichotic listening. Hiscock M, et al. **Neuropsychologia** 1984;22(3):337–51

Lateral specialization and verbal/spatial ability in preschool children: age, sex and familial handedness differences. Kraft RH. **Neuropsychologia** 1984;22(3):319–35

'Late' recovery of the right ear dichotic score following cerebrovascular accident: a case report. Niccum N, et al. **Neuropsychologia** 1983;21(6):699–704

Selective visual interference with right hemisphere performance in verbal recall. A divided field study. Spinnler H, et al. **Neuropsychologia** 1984;22(3):353–61

Dichotic listening ear preference after childhood cerebral lesions. Woods BT. **Neuropsychologia** 1984;22(3):303–10

Effects of pleasant and unpleasant verbal stimuli upon perceptual learning in young children. Hardy PA, et al. **Percept Mot Skills** 1984 Feb;58(1):91–9

Multiple-phoneme-misarticulating children's perception and production of voice onset time. Hoffman PR, et al. **Percept Mot Skills** 1984 Apr;58(2):603–10

Segmentation abilities of dyslexics and normal readers. Morais J, et al. **Percept Mot Skills** 1984 Feb;58(1):221–2

Effect of subliminal visual material on an auditory signal detection task. Moroney E, et al. **Percept Mot Skills** 1984 Feb;58(1):103–13

Perceived task quality and estimated interval: foundation for temporal attributions. Troutwine R. **Percept Mot Skills** 1984 Feb;58(1):100–2

The purity of auditory memory. Crowder RG. **Philos Trans R Soc Lond [Biol]** 1983 Aug 11; 302(1110):251–65

Spectral and perceptual evidence for CV coarticulation in devoiced /si/ and /syu/ in Japanese. Beckman M, et al. **Phonetica** 1984;41(2):61–71

Pitch period detection and chaining: method and evaluation. Schäfer-Vincent K. **Phonetica** 1983;40(3):177–202

What is the reference that sound durations are compared with in speech perception? Ventsov AV. **Phonetica** 1983; 40(2):135–44

Story recall by mentally retarded children. Bacon EH, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):791–6

Cardiac response to speech sounds in preterm infants: effects of postnatal illness at three months. Fox NA, et al. **Psychophysiology** 1983 Sep;20(5):481–8

Lateralization of ERP components during verbal dichotic information processing. van de Vijver FR, et al. **Psychophysiology** 1984 Mar;21(2):123–34

Effect of tinnitus masker noise on speech discrimination in quiet and two noise backgrounds. Spitzer JB, et al. **Scand Audiol** 1983;12(3):197–200

Sentence identification in noise and hearing-handicap questionnaires. Tyler RS, et al. **Scand Audiol** 1983; 12(4):285–92

[Sex differences in the audiomotor control of phonation] Kalveram KT. **Z Exp Angew Psychol** 1984;31(1):39–47 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Speech comprehension after unilateral injection of sodium amytal. McGlone J. **Brain Lang** 1984 May;22(1):150–7

PHYSIOLOGY

Electrodermal orienting responses to verbal and geometrical visual stimuli projected to the left or right retinal half-fields: sex differences. Hugdahl K, et al. **Acta Psychol (Amst)** 1983 Aug;53(2):141–54

Evoked potentials to consonant-vowel syllables in a memory scanning task. Gaillard AW, et al. **Ann NY Acad Sci** 1984; 425:204–9

Slow potentials during speech processing. Herning RI, et al. **Ann NY Acad Sci** 1984;425:212–5

Speech pattern element stimulation in electrical hearing. Fourcin A, et al. **Arch Otolaryngol** 1984 Mar;110(3):145–53

Auditory processing of the acoustic patterns of speech. Miller JD. **Arch Otolaryngol** 1984 Mar;110(3):154–9

Operating ranges and intensity psychophysics for cochlear implants. Implications for speech processing strategies. Pfingst BE. **Arch Otolaryngol** 1984 Mar;110(3):140–4 (39 ref.)

Predicting brain organization from dichotic listening performance: a note on Sidtis. Dennis I. **Brain Lang** 1984 Mar;21(2):351–3

Voice onset time production and perception in apraxic subjects. Hoit-Dalgaard J, et al. **Brain Lang** 1983 Nov; 20(2):329–39

Left hemisphere sensitivity to consonant sounds not displayed by the right hemisphere: electrophysiological correlates. Molfese DL. **Brain Lang** 1984 May;22(1):109–27

Processing of visually presented vowels in the cerebral hemispheres. Sergent J. **Brain Lang** 1984 Jan;21(1):136–46

Asymmetries large and small: a reply to Dennis. Sidtis JJ. **Brain Lang** 1984 Mar;21(2):354–7

Auditory word and consonant perception in late adolescent Swedish-speaking dysorthographic men. Byring R, et al. **Folia Phoniatr (Basel)** 1983;35(5):235–40

Speech coding in the auditory nerve: IV. Sounds with consonant-like dynamic characteristics. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):897–907

Speech coding in the auditory nerve: III. Voiceless fricative consonants. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar; 75(3):887–96

Speech coding in the auditory nerve: V. Vowels in background noise. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):908–18

Speech coding in the auditory nerve: I. Vowel-like sounds. Delgutte B, et al. **J Acoust Soc Am** 1984 Mar;75(3):866–78

Speech coding in the auditory nerve: II. Processing schemes for vowel-like sounds. Delgutte B. **J Acoust Soc Am** 1984 Mar;75(3):879–86

Representation of stop consonants in the discharge patterns of auditory-nerve fibers. Miller MI, et al. **J Acoust Soc Am** 1983 Aug;74(2):502–17

Comparison of the responses of auditory nerve fibers to consonant-vowel syllables with predictions from linear models. Sinex DG, et al. **J Acoust Soc Am** 1984 Jul; 76(1):116–21

Time course of adaptation and recovery of channels selectively sensitive to frequency and amplitude modulation. Tansley BW, et al. **J Acoust Soc Am** 1983 Sep; 74(3):765–75

Effects of white noise on the most comfortable level for speech with normal listeners. Beattie RC, et al. **J Aud Res** 1982 Jan;22(1):71–6

The effect of training on discrimination of vibrotactual speech stimuli. Hurley RM. **J Aud Res** 1982 Jan;22(1):45–50

The effects of high-pass and of low-pass filtering upon the intelligibility of speech in white noise. Niederjohn RJ, et al. **J Aud Res** 1982 Jul;22(3):189–99

Learning disability assessed through audiologic and physiologic measures: a case study. Greenblatt ER, et al. **J Commun Disord** 1983 Sep;16(5):309–13

Perceptual-motor processing of phonetic features in speech. Gordon PC, et al. **J Exp Psychol [Hum Percept]** 1984 Apr; 10(2):153–78

Consistency of ear advantage: an improvement due to increase in presentation rate. Eling P. **Neuropsychologia** 1983;21(4):419–23

Evoked potential indices of selective hemispheric engagement in affective and phonetic tasks. Papanicolaou AC, et al. **Neuropsychologia** 1983;21(4):401–5

Infants' discrimination of the duration of a rapid spectrum change in nonspeech signals. Jusczyk PW, et al. **Science** 1983 Oct 14;222(4620):175–7

[The phenomenon of verbal transformation and D.O. Hebb's cell-assembly theory: a model of functioning] Debigaré J. **Can J Psychol** 1984 Mar;38(1):17–44 (Eng. Abstr.) **(Fre)**

[Functional hemisphere differences in auditory and tactile recognition in aged people] Hatta T, et al. **Shinrigaku Kenkyu** 1984 Feb;54(6):358–63 (Eng. Abstr.) **(Jpn)**

SPEECH PRODUCTION MEASUREMENT

Neurolinguistic analysis of recurrent utterance in aphasia. Code C. **Cortex** 1982 Apr;18(1):141–52
On the origins of recurrent utterances in aphasia. Code C. **Cortex** 1982 Apr;18(1):161–4
On the basis for the agrammatic's difficulty in producing main verbs. Miceli G, et al. **Cortex** 1984 Jun;20(2):207–20
Fundamental frequency contours of stutterers' vowels following fluent stop consonant productions. Healey EC. **Folia Phoniatr (Basel)** 1984;36(3):145–51
Linguistic processing and performance in articulation-disordered subgroups of language-impaired children. Isaacs LD, et al. **J Commun Disord** 1984 Apr; 17(2):109–20
Psychometric review of language and articulation tests for preschool children. McCauley RJ, et al. **J Speech Hear Disord** 1984 Feb;49(1):34–42
The pass/fail disparity among three commonly employed articulatory screening tests. Ritterman SI, et al. **J Speech Hear Disord** 1982 Nov;47(4):429–33
Children's spontaneous and imitative speech: an acoustic-phonetic analysis. Bond ZS, et al. **J Speech Hear Res** 1983 Sep;26(3):464–7
Initiation versus execution time during manual and oral counting by stutterers. Borden GJ. **J Speech Hear Res** 1983 Sep;26(3):389–96
Comparisons among three articulation sampling procedures with preschool children. Kenney KW, et al. **J Speech Hear Res** 1984 Jun;27(2):226–31
Disfluencies at the onset of stuttering. Yairi E, et al. **J Speech Hear Res** 1984 Mar;27(1):154–9
Experiments in automatic classification of laryngeal pathology. Mezzalama M, et al. **Med Biol Eng Comput** 1983 Sep;21(5):603–11
The production of morphological and lexical opposites in aphasia. Gainotti G, et al. **Neuropsychologia** 1983; 21(6):693–7
Do positive symptom and negative symptom subtypes of schizophrenia show qualitative differences in language production? Allen HA. **Psychol Med** 1983 Nov; 13(4):787–97

INSTRUMENTATION

Dynamic orometrics: a computer-based means of learning about and developing speech by deaf children. Fletcher SG. **Am Ann Deaf** 1983 Sep;128(5):525–34
[An electromagnetic procedure for simultaneous recording of movements within range of the lips, lower jaw and tongue] Schönle PW, et al. **Biomed Tech (Berlin)** 1983 Nov; 28(11):263–7 (Eng. Abstr.) **(Ger)**

METHODS

The effects of listening conditions on speech rating obtained in a clinical setting. Moller KT, et al. **Cleft Palate J** 1984 Apr;21(2):65–9
An evaluation of some assumptions underlying the articulation index. Pavlovic CV, et al. **J Acoust Soc Am** 1984 May;75(5):1606–12
An analysis of elicited imitation as a language evaluation procedure. Connell PJ, et al. **J Speech Hear Disord** 1982 Nov;47(4):390–6
Relationship between covert and overt speech measures immediately before and immediately after stuttering treatment. Howie PM, et al. **J Speech Hear Disord** 1982 Nov;47(4):419–22
Phonological disorders III: a procedure for assessing severity of involvement. Shriberg LD, et al. **J Speech Hear Disord** 1982 Aug;47(3):256–70
Some comments on aspects of the methodology for the measurement of stuttering. Caplan L. **S Afr J Commun Disord** 1983;30:30–3
[Study of the Lombard effect by measuring equivalent sound level] Dejonckere PH, et al. **Folia Phoniatr (Basel)** 1983; 35(6):310–5 (Eng. Abstr.) **(Fre)**

SPEECH RECEPTION THRESHOLD TEST see under **SPEECH DISCRIMINATION TESTS**

SPEECH SOUNDS see **PHONETICS**

SPEECH THERAPY

see related
VOICE TRAINING

Guidelines for caseload size for speech-language services in the schools. Committee on Language, Speech, and Hearing Services in the Schools. **ASHA** 1984 Apr;26(4):53–8
Factors related to state service levels. Fein DJ. **ASHA** 1983 Jul;25(7):31
Speech therapists and volunteers–some comments on recent investigations of their effectiveness in the treatment of aphasia: response to T.R. Pring. David R, et al. **Br J Disord Commun** 1983 Sep;18(2):73–7
Speech pathology considerations in the management of transsexualism—a review. Oates JM, et al. **Br J Disord Commun** 1983 Dec;18(3):139–51 (71 ref.)
Speech therapists and volunteers—some comments on recent investigations of their effectiveness in the treatment of aphasia. Pring TR. **Br J Disord Commun** 1983 Sep; 18(2):65–73
Relationship between covert and overt speech measures immediately before and immediately after stuttering treatment. Howie PM, et al. **J Speech Hear Disord** 1982 Nov;47(4):419–22
The intelligibility of deaf speech to experienced and inexperienced listeners. McGarr NS. **J Speech Hear Res** 1983 Sep;26(3):451–8
Speech therapy for aphasic stroke patients [letter] **Lancet** 1984 Jun 23;1(8391):1413–4
Speech therapy for the stroke patient [letter] **Lancet** 1984 Jul 14;2(8394):104
Effectiveness of speech therapy for aphasic stroke patients. A randomised controlled trial. Lincoln NB, et al. **Lancet** 1984 Jun 2;1(8388):1197–200
Speech therapy for stroke patients [letter] Pickersgill MJ. **Lancet** 1984 Sep 15;2(8403):644–5
[Laryngeal dysfunction at the lesion in phoniatrics] Marco-Dutoit ML. **Rev Med Suisse Romande** 1984 Mar; 104(3):225–30 **(Fre)**

ECONOMICS

National trends in third party reimbursement in speech-language pathology and audiology: our professional crisis. Chwat SE, et al. **ASHA** 1984 Jul;26(7):27–32

EDUCATION

What constitutes excellence in an academic unit. Adams MR, et al. **ASHA** 1984 May;26(5):27–8
Student perceptions of performance. McGovern MA, et al. **Br J Disord Commun** 1983 Dec;18(3):181–5
A student-centred approach to the evaluation of clinical skills. Stackhouse J, et al. **Br J Disord Commun** 1983 Dec; 18(3):171–9
Teaching clinic conference participant interaction. Dowling S. **J Commun Disord** 1983 Sep;16(5):385–97

INSTRUMENTATION

A computer-assisted diagnostic and prescriptive tool for use in teaching speech to the deaf. Stoker RG. **Am Ann Deaf** 1983 Sep;128(5):625–30
Clinical EMG feedback in motor speech disorders. Draizar A. **Arch Phys Med Rehabil** 1984 Aug;65(8):481–4
Computer processing of SICD data. Harlan DE, et al. **ASHA** 1984 May;26(5):23–5
A functional speech impression used to fabricate a maxillary speech prosthesis for a partial glossectomy patient. Knowles JC, et al. **J Prosthet Dent** 1984 Feb;51(2):232–7

METHODS

Dysarthria and aphagia: a case study of neuromuscular treatment. Harris B, et al. **Arch Phys Med Rehabil** 1984 Jul;65(7):408–12
The language of the schools. Butler KG. **ASHA** 1984 May; 26(5):31–5
On the relationship between phonology and learning. Dinnsen DA, et al. **ASHA Monogr** 1984 May;(22):59–68
Phonological processes in articulation intervention. McReynolds LV, et al. **ASHA Monogr** 1984 May;(22):53–8
The hearing-impaired child in the hearing society. Burton MH. **Br J Audiol** 1983 Nov;17(4):271–3
The response of the apparent receptive speech disorder of Parkinson's disease to speech therapy. Scott S, et al. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):302–4
Stuttering: the results of 5 days treatment with an airflow technique. Andrews G, et al. **J Speech Hear Disord** 1982 Nov;47(4):427–9
Speech modification by a deaf child through dynamic orometric modeling and feedback. Fletcher SG, et al. **J Speech Hear Disord** 1983 May;48(2):178–85
Phonological evaluation and remediation of speech deviations of a child with a repaired cleft palate: a case study. Hodson BW, et al. **J Speech Hear Disord** 1983 Feb;48(1):93–8
Interallophonic generalization of (r) training. Hoffman PR. **J Speech Hear Disord** 1983 May;48(2):215–21
Evaluation of regulated-breathing method and awareness training in the treatment of stuttering. Ladouceur R, et al. **J Speech Hear Disord** 1982 Nov;47(4):422–6
Contingent self-stimulation for stuttering. Martin RR, et al. **J Speech Hear Disord** 1982 Nov;47(4):407–13
The effect of manipulating phonation duration on stuttering. Ingham RJ, et al. **J Speech Hear Res** 1983 Dec;26(4):579–87
Lombard and sidetone amplification effects in normal and misarticulating children. Siegel GM, et al. **J Speech Hear Res** 1984 Mar;27(1):56–62
[Roundabout therapy in speech therapy of developmentally disordered children and adolescents] Emich IF. **Padiatr Grenzgeb** 1984;23(3):163–70 (Eng. Abstr.) **(Ger)**

TRENDS

Speech therapy, a developing profession [editorial] Musgrave C. **Cent Afr J Med** 1983 Jun;29(6):129–31

SPEECHREADING see **LIPREADING**

SPERM see **SPERMATOZOA**

SPERM AGGLUTINATION

Monoclonal antibody inducing human sperm agglutination. Yan YC, et al. **Am J Reprod Immunol** 1983 Oct-Nov; 4(3):111–5
Modification of the slide agglutination test for the detection of sperm-agglutinins. Francavilla F, et al. **Andrologia** 1983 Nov-Dec;15(6):699–704
An immunosorption assay for antibodies to spermatozoa: comparison with agglutination and immobilization tests. Alexander NJ, et al. **Fertil Steril** 1984 Feb;41(2):270–6
Head-to-head type auto-sperm agglutination with IgA antibody to acrosome induced by Brucella canis infection. Serikawa T, et al. **Nippon Juigaku Zasshi** 1984 Feb; 46(1):41–8

SPERM BANKS see under **TISSUE BANKS**

SPERM CAPACITATION

Catecholamine levels in relation to number of spermatozoa inseminated 'in vitro' in the human being. Menezo Y, et al. **Acta Eur Fertil** 1984 Mar-Apr;15(2):145–8
The role of sterols in sperm capacitation. Go KJ, et al. **Adv Lipid Res** 1983;20:317–30 (52 ref.)
Phospholipids in guinea pig spermatozoa before and after capacitation in vitro. Takei GH, et al. **Andrologia** 1984 Jan-Feb;16(1):38–47
The use of periovulatory human cervical mucus in human sperm capacitation and in-vitro fertilization of foreign eggs. Siddiquey AK, et al. **Bangladesh Med Res Counc Bull** 1983 Jun;9(1):25–31
Hamster sperm Na+, K+-adenosine triphosphatase: increased activity during capacitation in vitro and its relationship to cyclic nucleotides. Mrsny RJ, et al. **Biol Reprod** 1984 Apr;30(3):573–84
Capacitation and the acrosome reaction in guinea pig spermatozoa increase the availability of surface aminophospholipids for labelling by trinitrobenzene sulphonate. Elliott M, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):1091–6
Decapacitation factors in semen. Begley AJ, et al. **Clin Reprod Fertil** 1982 Sep;1(3):167–75
Lectin-coated agarose beads in the investigation of sperm capacitation in the hamster. Ahuja KK. **Dev Biol** 1984 Jul; 104(1):131–42
Determination of the time course of capacitation in mouse spermatozoa using a chlortetracycline fluorescence assay. Ward CR, et al. **Dev Biol** 1984 Aug;104(2):287–96
Analysis of sperm function in Kartagener's syndrome. Aitken RJ, et al. **Fertil Steril** 1983 Nov;40(5):696–8
Selection of human spermatozoa according to their relative motility and their interaction with zona-free hamster eggs. Forster MS, et al. **Fertil Steril** 1983 Nov;40(5):655–60
Conditions influencing human sperm capacitation and penetration of zona-free hamster ova. Johnson AR, et al. **Fertil Steril** 1984 Apr;41(4):603–8
Hamster egg penetration: comparison of preincubation periods. Johnson JP, et al. **Fertil Steril** 1984 Apr; 41(4):599–602
In vitro sperm capacitation and transcervical intrauterine insemination for the treatment of refractory infertility: phase I. Sher G, et al. **Fertil Steril** 1984 Feb;41(2):260–4
Selective binding of human cumulus cell-secreted glycoproteins to human spermatozoa during capacitation in vitro. Tesařík J, et al. **Fertil Steril** 1984 Jun;41(6):919–25
Endogenous protein carboxyl methylation in hamster spermatozoa: changes associated with capacitation in vitro. Castaneda E, et al. **Int J Androl** 1983 Oct;6(5):482–96
The meaning of sperm capacitation. A historical perspective. Chang MC. **J Androl** 1984 Mar-Apr;5(2):45–50 (52 ref.)
In vitro fertilization of bovine oocytes by spermatozoa capacitated in vitro. Bondioli KR, et al. **J Anim Sci** 1983 Oct;57(4):1001–5
Mouse sperm capacitation assessed by kinetics and morphology of fertilization in vitro. Fraser LR. **J Reprod Fertil** 1983 Nov;69(2):419–28
Sodium requirement for capacitation and membrane fusion during the guinea-pig sperm acrosome reaction. Hyne RV, et al. **J Reprod Fertil** 1984 Jan;70(1):83–94
Fertilization in vitro of cattle follicular oocytes with ejaculated spermatozoa capacitated in a chemically defined medium. Iritani A, et al. **J Reprod Fertil** 1984 Mar; 70(2):487–92

DRUG EFFECTS

Gossypol-induced inhibition of guinea pig sperm capacitation in vitro. Shi QX, et al. **Biol Reprod** 1983 Nov;29(4):1027–32
Stimulation of rhesus monkey sperm capacitation by cyclic nucleotide mediators. Boatman DE, et al. **J Reprod Fertil** 1984 Jul;71(2):357–66

SPERM COUNT

Fluctuations in the number of germ cells during the late foetal and early postnatal periods in boys. Müller J, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):271–4
Relationship between fertility, semen analysis and human sperm penetration of zona-free hamster eggs. Campana A, et al. **Acta Eur Fertil** 1983 Sep-Oct;14(5):331–6
Spermatozoal density, motility and morphology in fertile and in infertile couples: a mathematical correlation. Portuondo JA, et al. **Acta Eur Fertil** 1984 Mar-Apr;15(2):119–22
Setting standards of male fertility I. Semen analyses in 1500 patients—a report. Sultan Sheriff D. **Andrologia** 1983

Nov-Dec;15(6):687-92
Patterns of hormones in the seminal plasma correlated with sperm count and motility. Mićić S, et al. **Arch Androl** 1983 Aug;11(1):9-12
Minimal requirements for ejaculates used for in vitro fertilization. Riedel HH, et al. **Arch Androl** 1984;12(1):69-77
Electroejaculation in the domestic cat. Johnstone I. **Aust Vet J** 1984 May;61(5):155-8
Semen analysis in testicular cancer and Hodgkin's disease: pre- and post-treatment findings and implications for cryopreservation. Hendry WF, et al. **Br J Urol** 1983 Dec; 55(6):769-73
Scrotal circumference, daily sperm production and epididymal spermatozoa of the indigenous Bunaji and Sokoto Gudali bulls in Nigeria. Salau Daudu C, et al. **Br Vet J** 1983 Nov-Dec;139(6):487-90
Selection of high fertility donors for artificial insemination programmes. McGowan MP, et al. **Clin Reprod Fertil** 1983 Dec;2(4):269-74
Effects of surgical lubricants on semen analysis. Schoeman MN, et al. **Clin Reprod Fertil** 1983 Dec;2(4):275-81
Comparison of photographic (multiple-exposure photography) and conventional evaluation of ejaculates for fertility prognosis. Aafjes JH, et al. **Fertil Steril** 1984 May; 41(5):775-7
The natural variations in prostaglandin concentration in human seminal fluid and its relation to sperm quality. Bendvold E, et al. **Fertil Steril** 1984 May;41(5):743-7
Sperm counts and serum follicle-stimulating hormone levels before and after radiotherapy and chemotherapy in men with testicular germ cell cancer. Berthelsen JG. **Fertil Steril** 1984 Feb;41(2):281-6
A new method for rapid spermatozoal concentration and motility: a multiple-exposure photography system using the Polaroid camera. Kamidono S, et al. **Fertil Steril** 1984 Apr; 41(4):620-4
A test for the practical evaluation of male fertility by acridine orange (AO) fluorescence. Tejada RI, et al. **Fertil Steril** 1984 Jul;42(1):87-91
Sperm count results from 861 American chemical/agricultural workers from 14 separate studies. Whorton MD, et al. **Fertil Steril** 1984 Jul;42(1):82-6
Determination of absorbed dose to blood, kidneys, testes and thyroid in mice injected with 211At and comparison of testes mass and sperm number in x-irradiated and 211At treated mice. Harrison A, et al. **Health Phys** 1984 Feb; 46(2):377-83
Chromosome studies in 496 infertile males with a sperm count below 10 million/ml. Retief AE, et al. **Hum Genet** 1984; 66(2-3):162-4
Heterogeneity of sperm density profiles following 20-week therapy with high-dose LHRH analog plus testosterone. Rabin D, et al. **J Androl** 1984 May-Jun;5(3):176-80
Fertility after chemotherapy for testicular cancer. Drasga RE, et al. **J Clin Oncol** 1983 Mar;1(3):179-83
Sperm count and sperm abnormality in male mice after exposure to 2.45 GHz microwave radiation. Kowalczuk CI, et al. **Mutat Res** 1983 Nov;122(2):155-61
Why so many mammalian spermatozoa--a clue from marsupials? Bedford JM, et al. **Proc R Soc Lond [Biol]** 1984 Apr 24;221(1223):221-33 (59 ref.)
An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Prog Clin Biol Res** 1984;160:385-405 (74 ref.)
Boar sperm cytoplasmic droplets: their ultrastructure, their numbers in the epididymis and at ejaculation and their removal during isolation of sperm plasma membranes. Kaplan M, et al. **Tissue Cell** 1984;16(3):455-68
[Parameters of the ejaculate after successful treatment of infertility in men] Barták V. **Cesk Gynekol** 1983 Jul; 48(6):439-41 (Eng. Abstr.) **(Cze)**
[Correlation between the number of inseminated spermatozoa and results of fertilization in dairy cattle] Uwland J. **Tijdschr Diergeneeskd** 1984 May 15;109(10):405-12 (Eng. Abstr.) **(Dut)**
[Sperm centrifugation in azoospermia?] Schirren C. **Andrologia** 1984 Jul-Aug;16(4):381-4 (Eng. Abstr.) **(Ger)**
[Acid phosphatase reaction in the rectum; value of sperm counts] Lötterle J, et al. **Beitr Gerichtl Med** 1983;41:181-4 (Eng. Abstr.) **(Ger)**
[Clinical studies on varicocele. (1). Findings on semen and testis] Takasaki N, et al. **Hinyokika Kiyo** 1983 Apr; 29(4):377-83 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

DEET (N,N-diethyltoluamide) does not affect sperm number, viability and head morphology in male rats treated dermally. Lebowitz H, et al. **Drug Chem Toxicol** 1983; 6(4):379-95
An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):83-107

METHODS

Semen parameters in 114 fertile men. Panidis DK, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Mar;16(6):411-20

VETERINARY

Long-term study on the effects of electroejaculation on seminal characteristics of the domestic cat. Pineda MH, et al. **Am J Vet Res** 1984 May;45(5):1038-41

SPERM HEAD see under **SPERMATOZOA**

SPERM IMMOBILIZING AGENTS

Local anaesthetic effect of antiarrhythmic drugs and human sperm immobilization: mechanism and application of the interrelationship. Hong CY, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):687-90

PHARMACODYNAMICS

Quantitative evaluation of the spermicidal potencies of vaginal contraceptives with a transmembrane migration method. Hong CY, et al. **Clin Reprod Fertil** 1983 Mar; 2(1):33-8

SPERM MATURATION

Chromatin condensation patterns of spermatozoa during epididymal passage in a normal and a chimeric bull. Porcelli F, et al. **Basic Appl Histochem** 1984;28(2):159-68
Sequence of sperm cell surface differentiation and its relationship to exogenous fluid proteins in the ram epididymis. Dacheux JL, et al. **Biol Reprod** 1983 Nov; 29(4):1033-46
Sensitive assay detects protein methylesterase in spermatozoa: decrease in enzyme activity during epididymal maturation. Gagnon C, et al. **Biol Reprod** 1984 May;30(4):953-8
Phagocytosis of sperm cytoplasmic droplets by a specialized region in the epididymis of the brushtailed possum, Trichosurus vulpecula. Temple-Smith PD. **Biol Reprod** 1984 Apr;30(3):707-20
Surface glycoprotein changes in ram spermatozoa during epididymal maturation. Voglmayr JK, et al. **Biol Reprod** 1983 Oct;29(3):767-75
Investigations on the relationship between sperm fertilizing ability and androgen-binding protein in the restricted rat. Anthony CT, et al. **Endocrinology** 1984 Apr;114(4):1413-8
Development of the oocyte-penetrating capacity of spermatozoa in the human epididymis. Moore HD, et al. **Int J Androl** 1983 Aug;6(4):310-8
The structure and epididymal maturation of the spermatozoon of the common marmoset (Callithrix jacchus). Moore HD, et al. **J Anat** 1984 Mar;138 (Pt 2):227-35
Diffusion and regionalization in membranes of maturing ram spermatozoa. Wolf DE, et al. **J Cell Biol** 1984 May; 98(5):1678-84
Distribution of carnitine and acylcarnitine in the hamster epididymis and in epididymal spermatozoa during maturation. Casillas ER, et al. **J Reprod Fertil** 1984 Sep; 72(1):197-201
Influence of epididymal maturation on the capacity of hamster and rabbit spermatozoa for complement activation. Witkin SS, et al. **J Reprod Fertil** 1983 Nov;69(2):517-21

DRUG EFFECTS

Epididymal proteins mimic the androgenic effect on zona pellucida recognition by immature hamster spermatozoa. Cuasnicú PS, et al. **J Reprod Fertil** 1984 Jul;71(2):427-31
Addition of an androgen-free epididymal protein extract increases the ability of immature hamster spermatozoa to fertilize in vivo and in vitro. González Echeverría F, et al. **J Reprod Fertil** 1984 Jul;71(2):433-7

SPERM MOTILITY

Relationship between fertility, semen analysis and human sperm penetration of zona-free hamster eggs. Campana A, et al. **Acta Eur Fertil** 1983 Sep-Oct;14(5):331-6
Spermatozoal density, motility and morphology in fertile and in infertile couples: a mathematical correlation. Portuondo JA, et al. **Acta Eur Fertil** 1984 Mar-Apr;15(2):119-22
Relation between number of immobile spermatozoa and pregnancies obtained during a twenty-year follow-up period immobile spermatozoa and fertility. Bostofte E, et al. **Andrologia** 1984 Mar-Apr;16(2):136-40
Relation between spermatozoa motility and pregnancies obtained during a twenty-year follow-up period spermatozoa motility and fertility. Bostofte E, et al. **Andrologia** 1983 Nov-Dec;15(6):682-6
Evidence for the reconstitution of motility by epididymal plasma-protein factor(s) in immotile washed spermatozoa from goat cauda epididymis. Chaudhuri DP, et al. **Andrologia** 1983 Sep-Oct;15(5):495-7
Occurrence of -SH containing molecules on the goat sperm external surface that are essential for flagellar motility. Majumder GC, et al. **Andrologia** 1984 May-Jun; 16(3):219-23
The motility of spermatozoa in a large amount of spermatic fluid. Raboch J, et al. **Andrologia** 1984 Jul-Aug;16(4):363-6
The effects of laser light on sperm motility and velocity in vitro. Sato H, et al. **Andrologia** 1984 Jan-Feb;16(1):23-5
Thyroid gland and epididymal function in rats. II. Sperm motile efficiency. Del Rio AG, et al. **Arch Androl** 1983 Aug;11(1):25-8
Patterns of hormones in the seminal plasma correlated with sperm count and motility. Mićić S, et al. **Arch Androl** 1983 Aug;11(1):9-12
The stimulation of bovine caudal epididymal sperm forward motility by bovine cumulus-egg complexes in vitro. Bradley MP, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):777-87
Inhibition of bovine spermatozoa by caudal epididymal fluid: II. Interaction of pH and a quiescence factor. Acott TS, et al. **Biol Reprod** 1984 May;30(4):926-35
Movement characteristics of bovine epididymal spermatozoa: effects of forward motility protein and epididymal maturation. Acott TS, et al. **Biol Reprod** 1983 Sep; 29(2):389-99
Inhibition of bovine spermatozoa by caudal epididymal fluid: I. Studies of a sperm motility quiescence factor. Carr DW, et al. **Biol Reprod** 1984 May;30(4):913-25
Motility of the spermatozoa of rainbow trout, Salmo gairdneri, in solutions of various salinities as studied by quasi-elastic light scattering. Craig T, et al. **Biol Reprod** 1983 Dec;29(5):1189-93
Movement characteristics and acrosomal status of rabbit spermatozoa recovered at the site and time of fertilization. Suarez SS, et al. **Biol Reprod** 1983 Dec;29(5):1277-87
Flagellar motility requires the cAMP-dependent phosphorylation of a heat-stable NP-40-soluble 56 kd protein, axokinin. Tash JS, et al. **Cell** 1984 Sep;38(2):551-9
Serotonin and sperm motility. Parisi E, et al. **Cell Biol Int Rep** 1984 Feb;8(2):95
Three-dimensional bend propagation in hamster sperm models and the direction of roll in free-swimming cells. Yeung CH, et al. **Cell Motil** 1984;4(3):215-26
Selection of high fertility donors for artificial insemination programmes. McGowan MP, et al. **Clin Reprod Fertil** 1983 Dec;2(4):269-74
Rotational and translational swimming of human spermatozoa: a dynamic laser light scattering study. Rigler R, et al. **Cytometry** 1984 Jul;5(4):327-32
Semen parameters in 114 fertile men. Panidis DK, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Mar;16(6):411-20
Comparison of photographic (multiple-exposure photography) and conventional evaluation of ejaculates for fertility prognosis. Aafjes JH, et al. **Fertil Steril** 1984 May; 41(5):775-7
An immunosorption assay for antibodies to spermatozoa: comparison with agglutination and immobilization tests. Alexander NJ, et al. **Fertil Steril** 1984 Feb;41(2):270-6
The natural variations in prostaglandin concentration in human seminal fluid and its relation to sperm quality. Bendvold E, et al. **Fertil Steril** 1984 May;41(5):743-7
The postcoital test as a predictor of pregnancy among 355 infertile couples. Collins JA, et al. **Fertil Steril** 1984 May; 41(5):703-8
Selection of human spermatozoa according to their relative motility and their interaction with zona-free hamster eggs. Forster MS, et al. **Fertil Steril** 1983 Nov;40(5):655-60
Use of the cervical cup for home AIH [letter] Howards SS. **Fertil Steril** 1983 Nov;40(5):702-3
Comparison of two supravital stains in examination of human semen and in tests for cytotoxic antibodies to human spermatozoa. Jager S, et al. **Fertil Steril** 1984 Feb; 41(2):294-7
Hamster egg penetration: comparison of preincubation periods. Johnson JP, et al. **Fertil Steril** 1984 Apr; 41(4):599-602
A new method for rapid spermatozoal concentration and motility: a multiple-exposure photography system using the Polaroid camera. Kamidono S, et al. **Fertil Steril** 1984 Apr; 41(4):620-4
The effect of an anti-insulin antiserum on human sperm motility. Lessing JB, et al. **Fertil Steril** 1984 Aug; 42(2):309-11
Factors affecting sperm motility. IX. survival of spermatozoa in various biological media and under different gaseous compositions. Makler A, et al. **Fertil Steril** 1984 Mar; 41(3):428-32
Sperm motility on postcoital testing correlates with male autoimmunity to sperm. Mathur S, et al. **Fertil Steril** 1984 Jan;41(1):81-7
Antigenicity of sperm cells after freezing and thawing. Phillip M, et al. **Fertil Steril** 1984 Apr;41(4):615-9
Ultrastructural sperm tail defects associated with sperm immotility. Williamson RA, et al. **Fertil Steril** 1984 Jan; 41(1):103-7
Nonprogressive sperm motility is characteristic of most complete t haplotypes in the mouse. Olds-Clarke P. **Genet Res** 1983 Oct;42(2):151-7
Improved techniques for separating motile spermatozoa from human semen. II. An atraumatic centrifugation method. Makler A, et al. **Int J Androl** 1984 Feb;7(1):71-8
Improved techniques for collecting motile spermatozoa from human semen. I. A self-migratory method. Makler A, et al. **Int J Androl** 1984 Feb;7(1):61-70
Comparison of post-thaw sperm motility after freezing in liquid nitrogen with protective media of either glycerol or glycerol-egg-yolk-citrate. Phillip M, et al. **Int J Fertil** 1983;28(3):156-60
Origin of a motility inhibitor within the male reproductive tract. de Lamirande E, et al. **J Androl** 1984 Jul-Aug; 5(4):269-76
Evaluation of two seminal collection regimens for mature Holstein bulls. Lorton SP, et al. **J Anim Sci** 1984 Jan; 58(1):1-5
Three-dimensional geometry of motile hamster spermatozoa. Woolley DM, et al. **J Cell Sci** 1984 Apr;67:159-70
Mechanisms of flagellar motility deduced from

backward-swimming bull sperm. Phillips DM, et al. **J Exp Zool** 1984 Jul;231(1):109–16

The relationship between motility and the FITC–BSA binding properties of mouse epididymal spermatozoa. Stanger JD, et al. **J Exp Zool** 1983 Aug;227(2):323–7

Stimulation of sperm motility and oxygen consumption of fowl spermatozoa by a low molecular weight fraction of seminal plasma. Ashizawa K, et al. **J Reprod Fertil** 1984 Jul;71(2):593–8

A simple spectrophotometric method of assay of forward motility of goat spermatozoa. Majumder GC, et al. **J Reprod Fertil** 1984 Jan;70(1):235–41

Observations on the response of human spermatozoa to gravity, boundaries and fluid shear. Winet H, et al. **J Reprod Fertil** 1984 Mar;70(2):511–23

Human in-vitro fertilisation, in-vivo sperm penetration of cervical macus, and unexplained infertility. Hull MG, et al. **Lancet** 1984 Aug 4;2(8397):245–6

Effects of oviducal cells on the maintenance of motility and fertilizing capacity of fowl spermatozoa stored in a diffusion chamber. Ashizawa K, et al. **Poult Sci** 1983 Nov; 62(11):2276–9

An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Prog Clin Biol Res** 1984;160:385–405 (74 ref.)

Impaired semen quality in Crohn's disease—drugs, ill health, or undernutrition? Farthing MJ, et al. **Scand J Gastroenterol** 1983 Jan;18(1):57–60

[Spermatic analysis indices and fertility determined by laser Doppler velocimetry] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 1983;22(3):231–8 (Eng. Abstr.) **(Bul)**

[Sperm foreward movement in the female genital tract of sheep] Marinov MF, et al. **Vet Med Nauki** 1983; 20(3–4):28–33 (Eng. Abstr.) **(Bul)**

[Treatment of hyperprolactinemic oligoasthenospermia] Nesit V, et al. **Cesk Gynekol** 1984 Jun;49(5):344–7 (Eng. Abstr.) **(Cze)**

[The motility of sperm in a large quantity of ejaculate] Raboch J, et al. **Cesk Gynekol** 1984 Jun;49(5):348–51 (Eng. Abstr.) **(Cze)**

[In vitro effects of preovulatory human follicular liquid on migration of human spermatozoa] Arnal F, et al. **C R Seances Acad Sci [III]** 1983;297(13):605–8 (Eng. Abstr.) **(Fre)**

[Relation between spermatozoids and reducing sugars (glucose and fructose) in human seminal fluid] Montagnon D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(8):819–23 (Eng. Abstr.) **(Fre)**

[Attempt at separation of sperm genotypes based on motility differences] Nehring H, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):729–39 (49 ref.) (Eng. Abstr.) **(Ger)**

[Clinical studies on varicocele. (I). Findings on semen and testis] Takasaki N, et al. **Hinyokika Kiyo** 1983 Apr; 29(4):377–83 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The effect of testosterone on ram spermatozoa collective motility treated by antimycin A. Ailenberg M, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):133–40

Effect of calcium on sperm motility of cauda epididymis in vitro. Chinoy NJ, et al. **Acta Eur Fertil** 1983 Nov–Dec; 14(6):421–3

How to increase the motility of spermatozoa from the epididymis of bulls and alloplastic spermatoceles in minipigs. Hamm B, et al. **Andrologia** 1984 Jan–Feb; 16(1):26–33

Ionized copper as contraceptive in male rhesus monkey. Riar SS, et al. **Andrologia** 1984 Mar–Apr;16(2):116–7

Effect of the membrane active ionophore, nigericin, on motility of ram spermatozoa. Breitbart H. **Arch Androl** 1984;12(1):39–43

Sperm immobilizing potency of amitriptyline and imipramine: measured with transmembrane migration. Hong CY, et al. **Arch Androl** 1984;12(1):25–8

Sperm cell motility as a new experimental model for toxicological studies. Mayevsky A, et al. **Arch Toxicol [Suppl]** 1983;6:295–9

Taurine, hypotaurine, epinephrine and albumin inhibit lipid peroxidation in rabbit spermatozoa and protect against loss of motility. Alvarez JG, et al. **Biol Reprod** 1983 Oct; 29(3):548–55

Rat sperm are mechanically immobilized in the caudal epididymis by 'immobilin,' a high molecular weight glycoprotein. Usselman MC, et al. **Biol Reprod** 1983 Dec; 29(5):1241–53

Mitochondrial respiration inhibitors and human sperm motility: implication in the development of spermicides. Hong CY, et al. **Br J Clin Pharmacol** 1983 Nov; 16(5):487–90

Quantitative evaluation of the spermicidal potencies of vaginal contraceptives with a transmembrane migration method. Hong CY, et al. **Clin Reprod Fertil** 1983 Mar; 2(1):33–8

Effects of surgical lubricants on semen analysis. Schoeman MN, et al. **Clin Reprod Fertil** 1983 Dec;2(4):275–81

Comparison of methods for detecting mitomycin C- and ethyl nitrosoures-induced germ cell damage in mice: sperm enzyme activities, sperm motility, and testis weight. Ficsor G, et al. **Environ Mutagen** 1984;6(3):287–98

Gossypol. Synthesis and in vitro spermicidal activity of isomeric hemigossypol derivatives. Manmade A, et al. **Experientia** 1983 Nov 15;39(11):1276–7

Stimulation of human sperm cervical mucus penetration in vitro by relaxin. Brenner SH, et al. **Fertil Steril** 1984 Jul; 42(1):92–6

Relaxin stimulation of sperm motility [letter] Eliasson R. **Fertil Steril** 1983 Nov;40(5):702

Vaginal lubricants: effect of glycerin and egg white on sperm motility and progression in vitro. Tulandi T, et al. **Fertil Steril** 1984 Jan;41(1):151–3

Effect of chlorpromazine on sperm motility in the frog, Rana temporaria. Sliwa L. **Folia Biol (Krakow)** 1983;31(3):259–63

Motility and fertilization capability of mouse and toad (Xenopus laevis) chlorpromazine-treated spermatozoa. Sliwa L. **Folia Biol (Krakow)** 1983;31(4):381–91

Role of testosterone in maintenance of motility & fertilizing ability of spermatozoa in isolated epididymis of castrated rats. Warikoo PK, et al. **Indian J Exp Biol** 1983 May; 21(5):237–41

Neem oil as a vaginal contraceptive. Sinha KC, et al. **Indian J Med Res** 1984 Jan;79:131–6

Effects of potassium and osmolality on spermatozoan motility of salmonid fishes. Morisawa M, et al. **J Exp Biol** 1983 Nov;107:105–13

Effects of osmolality and potassium on motility of spermatozoa from freshwater cyprinid fishes. Morisawa M, et al. **J Exp Biol** 1983 Nov;107:95–103

Effect of chlorpheniramine, promethazine and cimetidine on human sperm motility in-vitro. Thomas M, et al. **J Pharm Pharmacol** 1983 Nov;35(11):761–2

Effects of angiotensins of the motility of human sperm. Kaneko S, et al. **J Pharmacobiodyn** 1984 Feb;7(2):87–93

A possible role for potassium and pyruvate in the modulation of sperm motility in the rabbit oviducal isthmus. Burkman LJ, et al. **J Reprod Fertil** 1984 Jul;71(2):367–76

Mechanism of inhibition by gossypol of glycolysis and motility of monkey spermatozoa in vitro. Stephens DT, et al. **J Reprod Fertil** 1983 Nov;69(2):447–52

Calcium chelators stimulate sperm motility in ejaculated human semen [letter] Hong CY, et al. **Lancet** 1984 Feb 25;1(8374):460–1

Lithium reversibly inhibits microtubule-based motility in sperm flagella. Gibbons BH, et al. **Nature** 1984 Jun 7–13; 309(5968):560–2

Motility induction in hamster spermatozoa from caput epididymidis: effects of forward motility protein (FMP) and calmodulin inhibitor. Serres C, et al. **Reprod Nutr Dev** 1984;24(1):81–94

An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):83–107

[Survival of motile spermatozoa in a medium based on lactate, glucose and phosphate] Chalet M, et al. **C R Seances Acad Sci [III]** 1983;297(5):251–4 (Eng. Abstr.) **(Fre)**

[The effect of carnitine on the motility of sperm] Török L. **Dermatol Monatsschr** 1983;169(9):572–5 (Eng. Abstr.) **(Ger)**

[Seminal fluid concentration of ketoconazole and its effect on spermatozoa motility] Schramm P. **Z Hautkr** 1984 Feb 1;59(3):173–4, 177–8 (Eng. Abstr.) **(Ger)**

SPERM NUMBER see **SPERM COUNT**

SPERM-OVUM INTERACTIONS see under **FERTILIZATION**

SPERM TAIL see under **SPERMATOZOA**

SPERM TRANSPORT

Interruption of the luminal flow in the epididymal duct of the corpus epididymidis in the mouse, with special reference to differentiation of the epididymal epithelium. Abe K, et al. **Arch Histol Jpn** 1984 Jun;47(2):137–47

Sperm invasion of the oviducal mucosa, fibroblastic phagocytosis and endometrial sloughing in the Japanese greater horseshoe bat, Rhinolophus ferrumequinum nippon. Uchida TA, et al. **Cell Tissue Res** 1984;236(2):327–31

Peritoneal recovery of sperm in patients with infertility associated with inadequate cervical mucus. Stone SC. **Fertil Steril** 1983 Dec;40(6):802–4

Human sperm penetration in bovine cervical mucus. Clinical studies I. Borghi MR, et al. **J Androl** 1983 Sep–Oct; 4(5):316–8

Sperm survival and transport in the female reproductive tract. Hawk HW. **J Dairy Sci** 1983 Dec;66(12):2645–60 (104 ref.)

Transport of spermatozoa in the sheep oviduct: preovulatory sequestering of cells in the caudal isthmus. Hunter RH, et al. **J Exp Zool** 1983 Oct;228(1):121–8

Analysis of surface proteins of rat spermatozoa during epididymal transit and identification of antigens common to spermatozoa, rete testis fluid and cauda epididymal plasma. Brooks DE, et al. **J Reprod Fertil** 1984 May; 71(1):249–57

Reduction of sperm transport in ewes by superovulation treatments. Evans G, et al. **J Reprod Fertil** 1984 Jan; 70(1):47–53

Fertilizing rabbit spermatozoa are not selected as a special population by the female tract. Foldesy RG, et al. **J Reprod Fertil** 1984 Jan;70(1):75–82

Pre-ovulatory arrest and peri-ovulatory redistribution of competent spermatozoa in the isthmus of the pig oviduct. Hunter RH. **J Reprod Fertil** 1984 Sep;72(1):203–11

[Selective filtration of abnormal spermatozoa through the cervical mucus in vitro] Satnislavov R, et al. **Akush Ginekol (Sofiia)** 1983;22(3):228–31 (Eng. Abstr.) **(Bul)**

[Epididymodeferentovesiculography—a routine method in the diagnosis of male infertility] Tsvetkov D. **Akush Ginekol (Sofiia)** 1983;22(2):147–50 (Eng. Abstr.) **(Bul)**

DRUG EFFECTS

Vaginal lubricants: effect of glycerin and egg white on sperm motility and progression in vitro. Tulandi T, et al. **Fertil Steril** 1984 Jan;41(1):151–3

A possible role for potassium and pyruvate in the modulation of sperm motility in the rabbit oviducal isthmus. Burkman LJ, et al. **J Reprod Fertil** 1984 Jul;71(2):367–76

[The study of the sperm transport in the human genital tract— pharmacological responses to autonomic drugs in vitro] Narita H. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct; 74(10):1734–48 (Eng. Abstr.) **(Jpn)**

SPERMATIC CORD

Malignant mesenchymoma of the spermatic cord. Stein BS, et al. **J Urol** 1984 Mar;131(3):551–2

Leiomyosarcoma of spermatic cord. Puts JJ, et al. **Urology** 1984 Feb;23(2):187–93

Metastasis to the funiculus spermaticus as the first sign of renal cell carcinoma. Marković B, et al. **World J Surg** 1983 Sep;7(5):669–71

[A case of a tumor of the spermatic cord metastatic from cecal cancer] Nishimura K, et al. **Hinyokika Kiyo** 1983 Aug;29(8):907–10 (Eng. Abstr.) **(Jpn)**

[Giant lipoma of the spermatic cord in a patient with Rosh-Leri lipomatosis] Levina ZI, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):116–7 **(Rus)**

[Metastasis in the spermatic cord as the first sign of a malignant kidney tumor] Marković B, et al. **Srp Arh Celok Lek** 1983 Jan;111(1):87–91 **(Scc)**

[Schwannoma of the spermatic cord. Report of a case] Corredera Zambrana M, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):485–8 (Eng. Abstr.) **(Spa)**

[Tumors of the spermatic cord: apropos of a liposarcoma] Llamazares Cachá G, et al. **Arch Esp Urol** 1983 Jul–Aug; 36(4):263–8 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Spermatic artery obstruction caused by Angiostrongylus costaricensis Morera and Céspedes, 1971. Ruiz PJ, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1458–9

Preoperative 'dynamic' antegrade phlebography of the spermatic vein: physiological detection of spontaneous reflux in clinical and subclinical varicocele. A study of 142 patients. Luciani L, et al. **Diagn Imag Clin Med** 1984; 53(3):149–57

Transection of the spermatic vessels (Bevan's technique): an experimental study. Romero-Maroto J, et al. **J Urol** 1983 Dec;130(6):1223–7

The internal spermatic vein: demonstration and embolisation. Walker K. **Radiography** 1983 Nov;49(587):265–7

[Embolization of the spermatic vein in 42 patients with decreased fertility and a varicocele] Marsman JW, et al. **Ned Tijdschr Geneeskd** 1984 Feb 25;128(8):344–50 (Eng. Abstr.) **(Dut)**

[Varicose veins of the spermatic cord in children] Jankowski A, et al. **Pediatr Pol** 1983 Feb;58(2):183–6 (Eng. Abstr.) **(Pol)**

[Iliac resection of the internal spermatic cord vein for varicocele] Kutsenko NA. **Voen Med Zh** 1983 Jul;(7):67 **(Rus)**

PATHOLOGY

Glandular inclusions in inguinal hernial sacs and spermatic cords. Müllerian-like remnants confused with functional reproductive structures. Walker AN, et al. **Am J Clin Pathol** 1984 Jul;82(1):85–9

Lipoma of the spermatic cord in childhood. Kokotas NS, et al. **Br J Urol** 1983 Oct;55(5):572

Leiomyosarcoma of the spermatic cord. de Bolla AR, et al. **Postgrad Med J** 1983 Jul;59(693):470–1

[A case of primary lipogranuloma of the spermatic cord] Maki A, et al. **Hinyokika Kiyo** 1984 Mar;30(3):371–4 (Eng. Abstr.) **(Jpn)**

SURGERY

Cordopexy. A new approach to the treatment of undescended testis. Saha SK. **J R Coll Surg Edinb** 1984 Mar;29(2):105–6

The management of spermatic cord liposarcomas. Vorstman B, et al. **J Urol** 1984 Jan;131(1):66–9

SPERMATIC CORD TORSION

[Torsion of the paradidymis. Considerations on a case] Dominici C, et al. **Minerva Urol** 1983 Jul–Sep;35(3):213–5 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Testicular torsion in undescended testes. Schultz KE, et al. **Ann Emerg Med** 1984 Jul;13(7):567–9

Do patients with torsion of the testis have an increased risk of pulmonary aspiration during general anaesthesia? [letter] Schurizek B, et al. **Br J Anaesth** 1984 Mar;56(3):312–3

[Testicular torsion and fertility—attempt at prognostic significance] Zepnick H, et al. **Z Urol Nephrol** 1984 Jan; 77(1):11–7 (Eng. Abstr.) **(Ger)**

CONGENITAL

Case report: intrauterine testicular torsion. Rosenberg J, et al. **J Med Soc NJ** 1984 Apr;81(4):320–1

DIAGNOSIS

Testicular torsion in the older patient. Perry S, et al. **Ann Emerg Med** 1983 May;12(5):319–20

In utero torsion of the testis: antenatal and postnatal ultrasonic appearances. Hubbard AE, et al. **Br J Radiol** 1984 Jul;57(679):644–6

Computer aided diagnosis in acute testicular pain. Goulbourne IA, et al. **Br J Surg** 1984 Jul;71(7):528–31

Acute scrotal pain [letter] **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1917–8

Differentiating the acute scrotum. Noronha PA, et al. **Hosp Pract [Off]** 1984 Mar;19(3):216–7, 223–42

Torsion of the cord in the newborn. Hart HR. **J Arkansas Med Soc** 1984 Mar;80(10):431

Intrauterine/newborn testicular torsion. Casola G, et al. **J Ultrasound Med** 1983 Dec;2(12):563–4

The importance of the cremasteric reflex in acute scrotal swelling in children. Rabinowitz R. **J Urol** 1984 Jul; 132(1):89–90

Torsion of the contralateral testis 5 years after orchiopexy. Tawil EA, et al. **J Urol** 1984 Oct;132(4):766–7

Scrotal imaging techniques [letter] Wosick WF. **JAMA** 1984 Jan 27;251(4):469–70

Testicular torsion: management with ultrasonic Doppler flow detector. Vordermark JS 2d. **Urology** 1984 Jul;24(1):41–2

[Torsion of the spermatic cord: diagnosis by Doppler ultrasonography?] Bitker MO, et al. **Presse Med** 1983 Sep 10;12(31):1925–6 (Eng. Abstr.) **(Fre)**

[Diagnostic value of Doppler sonography in acute urologic disease pictures in the scrotal area] Heynemann H, et al. **Z Arztl Fortbild (Jena)** 1984;78(5):203–5 **(Ger)**

ETIOLOGY

Torsion after previous orchiopexy. Naughton PM, et al. **Br J Urol** 1983 Oct;55(5):578

Polyorchidism discovered as testicular torsion. Feldman S, et al. **J Urol** 1983 Nov;130(5):976–7

IMMUNOLOGY

Autoantibodies against Leydig cells in patients after spermatic cord torsion. Zanchetta R, et al. **Clin Exp Immunol** 1984 Jan;55(1):49–57

OCCURRENCE

Cold weather and testicular torsion [letter] **Br Med J [Clin Res]** 1983 Sep 24;287(6396):912

Seasonal frequency of testicular torsion. Preshaw RM. **Can J Surg** 1984 Jul;27(4):404–5

PATHOLOGY

Histological study of the removed testes of patients after acute monolateral spermatic cord torsion. Mastrogiacomo I, et al. **Andrologia** 1983 Nov–Dec;15(6):705–8

Torsion of the spermatic cord in the postnatal period. Kaufman JM. **J Urol** 1984 Feb;131(2):351–2

[Ultrastructural study of the diseased and contralateral testes in unilateral testicular torsion] Horica CA, et al. **Urol Int** 1983;38(6):340–5 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Semen quality and hormonal status of patients following testicular torsion. Goldwasser B, et al. **Andrologia** 1984 May–Jun;16(3):239–43

The effect of prepubertal spermatic cord torsion on subsequent fertility in rats. Cosentino MJ, et al. **J Androl** 1984 Mar–Apr;5(2):93–8

[Endocrine and exocrine function of the testis following spermatic cord torsion] Mellin HE, et al. **MMW** 1984 Jan 20;126(3):59–61 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

An auxiliary sign for testicular torsion on radionuclide imaging. Coel MN, et al. **Clin Nucl Med** 1983 Oct; 8(10):493–4

Radionuclide evaluation of acute scrotal disease. Nakielny RA, et al. **Clin Radiol** 1984 Mar;35(2):125–9

Re: Imaging techniques and testicular abnormalities [letter] Kogan SJ, et al. **J Urol** 1984 Mar;131(3):559

Re: Nonspecificity of the 'rim sign' in the scintigraphic diagnosis of missed testicular torsion [letter] Holder LE, et al. **Radiology** 1983 Nov;149(2):603–4

SURGERY

Sympathetic orchidopathia. Williamson RC, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):264–6

Testicular torsion: temporal considerations. Nagler HM, et al. **Fertil Steril** 1984 Aug;42(2):257–62

To pex or not to pex. Feins NR. **J Pediatr Surg** 1983 Dec; 18(6):697–9

Intermittent torsion of the testis. Sellu DP, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):107–8

[Torsion of the testis. Apropos 78 cases] Extramiana Cameno J, et al. **Actas Urol Esp** 1984 May–Jun;8(3):159–66 (Eng. Abstr.) **(Spa)**

THERAPY

Manual detorsion of testis using xylocaine block [letter] Davidson JM. **Ann Emerg Med** 1984 Jun;13(6):482–3

Testicular detorsion using Doppler ultrasound monitoring. Betts JM, et al. **J Pediatr Surg** 1983 Oct;18(5):607–10

VETERINARY

Spermatic cord torsion and Sertoli cell tumor in a dog. Laing EJ, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):879–81

SPERMATIDS see under **SPERMATOZOA**

SPERMATOCELE

PATHOLOGY

Pseudomalignant cytologic presentation of spermatic hydrocele fluid. Piscioli F, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):666–70

PHYSIOPATHOLOGY

How to increase the motility of spermatozoa from the epididymis of bulls and alloplastic spermatoceles in minipigs. Hamm B, et al. **Andrologia** 1984 Jan–Feb; 16(1):26–33

SPERMATOCIDAL AGENTS

Propranolol as a novel, effective spermicide: preliminary findings. Zipper J, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1245–6

An user acceptability study of vaginal spermicides in combination with barrier methods or an IUCD. Black C, et al. **Contraception** 1983 Aug;28(2):103–10

Effects of vaginal spermicides on pregnancy outcome. Scholl TO, et al. **Fam Plann Perspect** 1983 Sep–Oct;15(5):244, 249–50

Studies on spermicidal activity of surfactants. I. Correlation between spermicidal effect and physicochemical properties of p-menthanylphenyl polyoxyethylene (8.8) ether and related surfactants. Furuse K, et al. **J Pharmacobiodyn** 1983 Jun;6(6):359–72

A case-control study of spermicides and gonorrhea. Austin H, et al. **JAMA** 1984 Jun 1;251(21):2822–4

ADMINISTRATION & DOSAGE

Vaginal contraception with gossypol: a clinical study. Ratsula K, et al. **Contraception** 1983 Jun;27(6):571–6

Leads from the MMWR. Toxic-shock syndrome and the vaginal contraceptive sponge. **JAMA** 1984 Feb 24; 251(8):1015–6

Toxic-shock syndrome and the vaginal contraceptive sponge. **MMWR** 1984 Feb 3;33(4):43–4, 49

New developments in vaginal contraception. **Popul Rep [H]** 1984 Jan–Feb;(7):H157–90 (438 ref.)

BLOOD

Propranolol concentrations in plasma after insertion into the vagina. Patel LG, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1247–8

PHARMACODYNAMICS

Studies on the male antifertility agent gossypol acetic acid. VI. Effect of gossypol acetic acid on the fertility of bonnet monkey. Macaca radiata. Kalla NR, et al. **Andrologia** 1984 May–Jun;16(3):244–8

Gossypol-induced inhibition of guinea pig sperm capacitation in vitro. Shi QX, et al. **Biol Reprod** 1983 Nov;29(4):1027–32

Mitochondrial respiration inhibitors and human sperm motility: implication in the development of spermicides. Hong CY, et al. **Br J Clin Pharmacol** 1983 Nov; 16(5):487–90

Liposomal membranes. XVIII. Interaction of spermicidal agents with liposomal membranes. Sunamoto J, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4230–5

Quantitative evaluation of the spermicidal potencies of vaginal contraceptives with a transmembrane migration method. Hong CY, et al. **Clin Reprod Fertil** 1983 Mar; 2(1):33–8

Gossypol does not affect testicular fluid secretion in rats. Wong PY, et al. **Contraception** 1984 May;29(5):471–7

Neem oil as a vaginal contraceptive. Sinha KC, et al. **Indian J Med Res** 1984 Jan;79:131–6

Epididymal effects of gossypol [letter] Soufir JC, et al. **Lancet** 1984 Jul 14;2(8394):107

[Effect of gossypol acetic acid on testosterone, LH and FSH levels of male rats] Ma XN, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):887–91 (Eng. Abstr.) **(Chi)**

[Antisteroidal and antigonadotrophic effects of gossypol acetic acid in rats] Wang NG, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):1–4 (Eng. Abstr.) **(Chi)**

SPERMATOCYTES see under **SPERMATOZOA**

SPERMATOGENESIS

The effect of the gametogenesis on serum FSH, LH and prolactin levels in infertile men. Mičič S. **Acta Eur Fertil** 1983 Sep–Oct;14(5):337–40

Gametogenesis in the freshwater prawn, Macrobrachium lamerrii. Sarojini R, et al. **Acta Physiol Hung** 1984; 63(1):63–76

Sertoli cells of the golden-mantled ground squirrel (Spermophilus lateralis): a model system for the study of shape change. Vogl AW, et al. **Am J Anat** 1983 Sep; 168(1):83–98

Development of agranular reticulum in Sertoli cells of the testis of the dogfish Squalus acanthias during spermatogenesis. Pudney J, et al. **Anat Rec** 1984 Jul; 209(3):311–21

Correlation between serum immunoreactive inhibin, gonadotrophins and spermatogenesis. Dandekar SP, et al. **Andrologia** 1984 Mar–Apr;16(2):141–5

Synthesis of testosterone and 5 alpha-reduced androgens during initiation of spermatogenesis in the rat. Kula K, et al. **Andrologia** 1983 Nov–Dec;15(6):627–34

Stage-dependent enzymatic activities in spermatogenesis of mice with the standard karyotype and of chromosomal variants with impaired fertility. Redi CA, et al. **Andrologia** 1983 Jul–Aug;15(4):322–30

Biochemical and immunological characterization of a histone variant associated with spermatogenesis in the mouse. Bhatnagar YM, et al. **Biochim Biophys Acta** 1983 Oct 4; 760(1):25–33

Spermatogenesis is modified by food intake in mice. Blank JL, et al. **Biol Reprod** 1984 Mar;30(2):410–5

Further quantification of human spermatogenesis: germ cell loss during postprophase of meiosis and its relationship to daily sperm production. Johnson L, et al. **Biol Reprod** 1983 Aug;29(1):207–15

Age-related and seasonal variation in the Sertoli cell population, daily sperm production and serum concentrations of follicle-stimulating hormone, luteinizing hormone and testosterone in stallions. Johnson L, et al. **Biol Reprod** 1983 Oct;29(3):777–89

Relationships among testicular size, daily production and output of spermatozoa, and extragonadal spermatozoal reserves of the dog. Olar TT, et al. **Biol Reprod** 1983 Dec; 29(5):1114–20

Intratesticular factors controlling testicular function. Sharpe RM. **Biol Reprod** 1984 Feb;30(1):29–49

Scrotal circumference, daily sperm production and epididymal spermatozoa of the indigenous Bunaji and Sokoto Gudali bulls in Nigeria. Salau Daudu C, et al. **Br Vet J** 1983 Nov–Dec;139(6):487–90

Duration of meiosis and spermiogenesis in the dog. Ghosal SK, et al. **Can J Genet Cytol** 1983 Dec;25(6):678–81

Spermiogenesis in the rainbow trout (Salmo gairdneri). An ultrastructural study. Billard R. **Cell Tissue Res** 1983; 233(2):265–84

Reproduction and sexual development in a freshwater gastrotrich. 2. Kinetics and fine structure of postparthenogenic sperm formation. Hummon MR. **Cell Tissue Res** 1984;236(3):619–28

Morphometric studies on lipid inclusions in Sertoli cells during the spermatogenic cycle in the rat. Kerr JB, et al. **Cell Tissue Res** 1984;236(3):699–709

Stage-specific expression of three cell surface carbohydrate antigens during murine spermatogenesis detected with monoclonal antibodies. Fenderson BA, et al. **Dev Biol** 1984 May;103(1):117–28

Translational regulation and deadenylation of a protamine mRNA during spermiogenesis in the mouse. Kleene KC, et al. **Dev Biol** 1984 Sep;105(1):71–9

The alterations in H1 histone complement during mouse spermatogenesis and their significance for H1 subtype function. Lennox RW, et al. **Dev Biol** 1984 May;103(1):80–4

Identification and immunochemical characterization of spermatogenic cell surface antigens that appear during early meiotic prophase. O'Brien DA, et al. **Dev Biol** 1984 Feb;101(2):307–17

Acrosin in the spermiohistogenesis of mammals. Flörke S, et al. **Differentiation** 1983;24(3):250–6

Spermatogenesis and hormonal status after orchiectomy for cancer and before supplementary treatment. Fossâ SD, et al. **Eur Urol** 1984;10(3):173–7

DNA packaging in mouse spermatids. Synthesis of protamine variants and four transition proteins. Balhorn R, et al. **Exp Cell Res** 1984 Feb;150(2):298–308

Hyperacetylation of histone H4 in rat testis spermatids. Grimes SR Jr, et al. **Exp Cell Res** 1984 May;152(1):91–7

The differential expression of the actins and tubulins during spermatogenesis in the mouse. Hecht NB, et al. **Exp Cell Res** 1984 Jul;153(1):275–80

Mitochondrial DNA is synthesized during meiosis and spermiogenesis in the mouse. Hecht NB, et al. **Exp Cell Res** 1984 Sep;154(1):293–8

DNA repair synthesis-related enzymes during spermatogenesis in the mouse. Orlando P, et al.

Exp Cell Res 1984 Aug;153(2):499–505
Quantitative changes of high mobility group non-histone chromosomal proteins HMG1 and HMG2 during rooster spermatogenesis. Chiva M, et al. FEBS Lett 1983 Oct 17; 162(2):324–8
Effects of different fixatives on the development of acrosomal system during spermiogenesis in buffalo, goat and ram. Bilaspuri GS, et al. Folia Biol (Praha) 1983;29(6):429–32
Induction of autoimmune damage to spermatogenesis in guinea pigs by passive transfer of anti-F9 mouse teratocarcinoma stem cell serum fraction. Pokorná Z, et al. Folia Biol (Praha) 1984;30(1):50–6
Plasma 11-oxotestosterone and gonadotrophin in relation to the arrest of spermiation in rainbow trout (Salmo gairdneri). Fostier A, et al. Gen Comp Endocrinol 1984 Jun; 54(3):378–81
Genotoxic effects of ethyl methanesulfonate and X-rays at different stages of rat spermatogenesis, studied by inhibition of DNA synthesis and induction of DNA repair in vitro. Lähdetie J, et al. Hereditas 1983;99(2):269–78
Binding of fluorescein isothiocyanate conjugated lectins to rat spermatogenic cells in tissue sections. Enhancement of lectin fluorescence obtained by fixation in Bouin's fluid. Söderström KO, et al. Histochemistry 1984;80(6):575–9
Gamete production, sex hormone secretion, and mating behavior uncoupled. Crews D. Horm Behav 1984 Mar; 18(1):22–8
Social status, gonadal state, and the adrenal stress response in the lizard, Anolis carolinensis. Greenberg N, et al. Horm Behav 1984 Mar;18(1):1–11
Influence of pineal gland on spermatogenesis of toad (Bufo melanostictus). Chanda S, et al. Horm Res 1984;19(3):200–4
Acrosin and the acrosome in human spermatogenesis. Flörke-Gerloff S, et al. Hum Genet 1983;65(1):61–7
Silver staining of nucleolus organizer regions during human spermatogenesis. Schmid M, et al. Hum Genet 1983; 64(4):363–70
Ultrastructural aspects of spermatogenesis in the common marmoset (Callithrix jacchus). Holt WV, et al. J Anat 1984 Jan;138 (Pt 1):175–88
Characterization of high mobility group protein levels during spermatogenesis in the rat. Bucci LR, et al. J Biol Chem 1984 Jul 25;259(14):8840–6
In vitro demonstration of deleterious effect of steel mutation on spermatogenesis in mice. Nishimune Y, et al. J Cell Physiol 1984 Jan;118(1):19–21
The apical structure in Perophora annectens (tunicate) spermatozoa: fine structure, differentiation and possible role in fertilization. Fukumoto M. J Cell Sci 1984 Mar;66:175–87
Morphological and temporal sequence of meiotic prophase development at puberty in the male mouse. Goetz P, et al. J Cell Sci 1984 Jan;65:249–63
Identification of spermatogenic cell plasma membrane glycoproteins by two-dimensional electrophoresis and lectin blotting. Millette CF, et al. J Cell Sci 1984 Jan; 65:233–48
Endocrine changes associated with onset of spermatogenesis in Holstein bulls. Amann RP. J Dairy Sci 1983 Dec; 66(12):2606–22 (76 ref.)
Characterization of a cell-surface differentiation antigen of mouse spermatogenesis: timing and localization of expression by immunohistochemistry using a monoclonal antibody. Bechtol KB. J Embryol Exp Morphol 1984 Jun; 81:93–104
Pituitary-testicular interrelationships during germinal involution in the vitamin A deficient rat. Huang HF, et al. J Endocrinol 1984 Jan;100(1):33–41
Influence of photoperiodism on testicular function and sebaceous glands in Syrian hamster. Luderschmidt C, et al. J Invest Dermatol 1984 Sep;83(3):157–60
Effects of linoleate and arachidonate deficiencies on reproduction and spermatogenesis in the cat. MacDonald ML, et al. J Nutr 1984 Apr;114(4):719–26
The effect of transection of the main vascular and nervous supply of the testis on the development of spermatogenic epithelium in the pig. Noordhuizen-Stassen EN, et al. J Pediatr Surg 1983 Oct;18(5):601–6
Influence of age on sperm production and testicular weights in men. Johnson L, et al. J Reprod Fertil 1984 Jan; 70(1):211–8
Exercise and temperature effects on human sperm production and testosterone levels. McConnell TR, et al. Med Sci Sports Exerc 1984;16(1):51–5
Hyperacetylation of histone H4 promotes chromatin decondensation prior to histone replacement by protamines during spermatogenesis in rainbow trout. Christensen ME, et al. Nucleic Acids Res 1984 Jun 11;12(11):4575–92
Methylation of unique sequence DNA during spermatogenesis in mice. Rahe B, et al. Nucleic Acids Res 1983 Nov 25;11(22):7947–59
Assessment of disorders of spermatogenesis. Overstreet JW. Prog Clin Biol Res 1984;160:275–92 (37 ref.)
Nuclear pore complex in spermatogenesis of Beijing domestic duck. Electron microscope observation of freeze-etching. Huang ZP, et al. Sci Sin [B] 1984 Mar;27(3):265–72
Development of the acrosome and alignment, elongation and entrenchment of spermatids in procarbazine-treated rats. Russell LD, et al. Tissue Cell 1983;15(4):615–26
Meiotic chromatin diminution in a vertebrate, the holocephalan fish Hydrolagus collie (Chondrichthyes, Holocephali). Stanley HP, et al. Tissue Cell 1984; 16(2):203–15
Effect of experimental microvascular orchidopexy on spermatogenic cell differentiation in the testes of the dog. Garibyan H, et al. Urol Int 1984;39(1):21–4
Acute experimental E. coli epididymitis in the rat and its consequences on spermatogenesis. Lucchetta R, et al. Urol Res 1983;11(3):117–20
[Biological and biochemical studies of the sperm and blood serum of rams with degraded sperm production] Georgiev GS. Vet Med Nauki 1983;20(5–6):99–104 (Eng. Abstr.) (Bul)
[Studies of lactate dehydrogenase (LDH) in the testis. 2. Relation of testicular LDH and its isozymes to spermatogenesis in human testis] Uchijima Y, et al. Nippon Hinyokika Gakkai Zasshi 1983 Apr;74(4):635–9 (Eng. Abstr.) (Jpn)
[Comparison of 2 methods of determining the relative frequency of stages of the seminiferous epithelium cycle, in literature] Guerra MO. Rev Bras Biol 1983 Nov; 43(4):385–94 (Eng. Abstr.) (Por)
[Function of the hematotesticular barrier and of developing germ cells in short-term ischemia of the testes] Parashchin VM. Arkh Anat Gistol Embriol 1984 Jan;86(1):100–5 (Eng. Abstr.) (Rus)
[Effect of adrenaline on the post-heat damage to the spermatogenic function in rats] Murashev AN. Biull Eksp Biol Med 1984 Apr;97(4):471–2 (Eng. Abstr.) (Rus)
[DNP complex of the spermatogenic cells of rats with hypovitaminosis A] Pozniakov SP, et al. Ontogenez 1984 Jan–Feb;15(1):81–7 (Eng. Abstr.) (Rus)
[Accumulation of one of the histone H1 subfractions and increase in chromatin resistance to the nuclease effect in the course of carp and grass carp spermatogenesis] Kadura SN, et al. Ukr Biokhim Zh 1983 Sep–Oct;55(5):483–8 (Eng. Abstr.) (Rus)
[Disorders of spermatogenic and androgenic functions in varicocele] Tiktinskiĭ OL, et al. Urol Nefrol (Mosk) 1983 Sep–Oct;(5):50–4 (10 ref.) (Eng. Abstr.) (Rus)

DRUG EFFECTS

Restoration and maintenance of spermatogenesis by HCG therapy in patients with hypothalamo-hypophyseal damage. Levalle O, et al. Andrologia 1984 Jul–Aug; 16(4):303–9
Reversible inhibition of spermatogenesis by danazol with combination of testosterone enanthate in rabbit. Lohiya NK, et al. Andrologia 1984 Jan–Feb;16(1):72–5
Antifertility actions of alpha-chlorohydrin in the male. Jones AR. Aust J Biol Sci 1983;36(4):333–50 (118 ref.)
Phasic distribution of seminiferous tubules in rats treated with triphenyltin compounds. Snow RL, et al. Bull Environ Contam Toxicol 1983 Dec;31(6):658–65
Antispermatogenic activity of gossypol in rats on low-potassium diet. Qian SZ, et al. Chung Kuo Yao Li Hsueh Pao 1983 Sep;4(3):183–5
Effects of cyproterone acetate with combination of testosterone enanthate on seminal characteristics, androgenicity and clinical chemistry in langur monkey. Lohiya NK, et al. Contraception 1983 Dec;28(6):575–86
The control of male fertility by 1,2,3-trihydroxypropane (THP;glycerol): rapid arrest of spermatogenesis without altering libido, accessory organs, gonadal steroidogenesis, and serum testosterone, LH and FSH. Wiebe JP, et al. Contraception 1984 Mar;29(3):291–302
Evolution of Ca2+- and cAMP-dependent regulatory mechanisms during ram spermatogenesis. Feinberg J, et al. Dev Biol 1983 Nov;100(1):260–5
Testosterone can initiate spermatogenesis in an immature nonhuman primate, Macaca fascicularis. Marshall GR, et al. Endocrinology 1984 Jun;114(6):2228–33
Counteractive effects of agonistic and antagonistic gonadotropin-releasing hormone analogs on spermatogenesis: sites of action. Heber D, et al. Fertil Steril 1984 Feb;41(2):309–13
Gametogenesis in chlorpromazine-treated BALBc mice. Sliwa L. Folia Biol (Krakow) 1983;31(3):303–13
Effect of short-term clomiphene citrate treatment on spermatogenesis in hypofertile males. Bacz A, et al. Ginekol Pol 1984 Feb;55(2):115–9
The hormonal regulation of premeiotic steps of spermatogenesis in the newborn rat. Almirón I, et al. J Androl 1984 Jul–Aug;5(4):235–42
Inability of continuous long-term administration of D-Nal(2)6-LHRH to abolish fertility in male rats. Vickery BH, et al. J Androl 1983 Jul–Aug;4(4):283–91
Recovery of spermatogenesis after treatment for Hodgkin's disease: limiting dose of MOPP chemotherapy. da Cunha MF, et al. J Clin Oncol 1984 Jun;2(6):571–7
Effects of gossypol on sperm counts in two inbred strains of mice. Hunt S, et al. J Reprod Fertil 1984 Jan;70(1):341–5
Active sperm production after cancer chemotherapy with doxorubicin. Da Cunha MF, et al. J Urol 1983 Nov; 130(5):927–30
Gossypol prospects [editorial] Lancet 1984 May 19; 1(8386):1108–9
Suppression of spermatogenesis without inhibition of steroidogenesis by a 1,2,3-trihydroxypropane solution. Wiebe JP, et al. Life Sci 1984 Apr 30;34(18):1747–54
Subcellular site of antispermatogenic effect of gossypol and its possible molecular mechanism of action. Xue SP, et al. Sci Sin [B] 1983 Jun;26(6):614–33
Impaired spermatogenesis in arsenic treated freshwater fish, Colisa fasciatus (Bl. and Sch.). Shukla JP, et al. Toxicol Lett 1984 May;21(2):191–5
[Effect of a large dosage of PGE on spermatogenesis and tissue prostaglandin levels in rats] Ye GC, et al. Yao Hsueh Hsueh Pao 1983 Jun;18(6):406–10 (Eng. Abstr.) (Chi)
[Effect of drugs and environmental pollutants on human spermatogenesis] Krause W. Derm Beruf Umwelt 1983; 31(6):175–82 (Eng. Abstr.) (Ger)
[Transitory effect of thiotepa on spermatogenesis] Danielli L, et al. Harefuah 1983 Mar 1;104(5):184–7 (Eng. Abstr.) (Heb)
[Hygienic evaluation of the effect of mixtures of inorganic mercury compounds on reproductive function in animals] Ermachenko AB. Gig Sanit 1984 Apr;(4):78–9 (Rus)
[Personal experience in the treatment of disorders of spermatogenesis using testosterone undecanoate] Grčić R, et al. Med Pregl 1984;37(1–2):15–9 (Eng. Abstr.) (Scr)
[Testicular damage caused by chemotherapy in acute lymphoblastic leukemia] Pasqualini T. Medicina (B Aires) 1983;43(5):579–86 (Spa)

RADIATION EFFECTS

Germ cell degeneration in normal and microwave-irradiated rats: potential sperm production rates at different developmental steps in spermatogenesis. Johnson L, et al. Anat Rec 1984 Aug;209(4):501–7
Stem-spermatogonial survival and incidence of reciprocal translocations in the gamma-irradiated boar. Erickson BH, et al. Environ Mutagen 1984;6(2):219–27
Effect of x-rays on spermatogenesis in inbred strains of mice. Gasińska A, et al. Folia Histochem Cytochem (Krakow) 1983;21(3–4):219–29
The effect of testicular x-irradiation on spermatogenesis in man. A comparison with the mouse. Clifton DK, et al. J Androl 1983 Nov–Dec;4(6):387–92
Evidence for the re-establishment of a heterogeneity in radiosensitivity among spermatogonial stem cells repopulating the mouse testis following depletion by X-rays. Cattanach BM, et al. Mutat Res 1984 Jun; 127(1):81–91
Sperm count and sperm abnormality in male mice after exposure to 2.45 GHz microwave radiation. Kowalczuk CI, et al. Mutat Res 1983 Nov;122(2):155–61
[Patterns of postradiation recovery of the spermatogenic epithelium in rodents and man] Tiazhelova VG, et al. Radiobiologiia 1984 Jan–Feb;24(1):107–110 (Eng. Abstr.) (Rus)

SPERMATOGENESIS BLOCKING AGENTS

CHEMICAL SYNTHESIS

[Synthesis of WIN 18446 analogs and p-nitrophenylglycerol] Lu SX. Yao Hsueh Hsueh Pao 1983 Aug;18(8):622–5 (Eng. Abstr.) (Chi)

SPERMATOGONIA see under SPERMATOZOA

SPERMATOZOA

see related
OLIGOSPERMIA

Sensitivity of picroindigocarmine/nuclear fast red (PIC/NF) stain for detection of spermatozoa: a serial dilution study of human ejaculate. Leubitz SS, et al. Am J Clin Pathol 1984 Jan;81(1):90–3
Effects of magnetic field exposure on fertilization success in rainbow trout, Salmo gairdneri. Strand JA, et al. Bioelectromagnetics 1983;4(4):295–301
Scanning and transmission electron microscopic evidence of epithelial phagocytosis of spermatozoa in the terminal region of the vas deferens of the cat. Murakami M, et al. Experientia 1984 Sep 15;40(9):958–60
The influence of seminal characteristics on the success rate of human in vitro fertilization. Mahadevan MM, et al. Fertil Steril 1984 Sep;42(3):400–5
Fusion of bull and human sperm with Nicotiana protoplasts. Lima-de-Faria A, et al. Hereditas 1983;99(2):191–201
Postcoital recovery of sperm in Douglas pouch aspirates of infertile patients. Aref I, et al. Int J Gynaecol Obstet 1984 Feb;22(1):29–34
Fertilization of mammalian eggs by sperm injection. Markert CL. J Exp Zool 1983 Nov;228(2):195–201
Further observations on spermiophagy by murine peritoneal macrophages in vitro. Ball RY, et al. J Reprod Fertil 1984 May;71(1):221–6
Should sperm donors be screened for sexually transmitted diseases? [letter] Mascola L, et al. N Engl J Med 1983 Oct 27;309(17):1058
Role of testosterone secretion and penile reflexes in sexual behavior and sperm competition in male rats: a theoretical contribution. Hart BL. Physiol Behav 1983 Dec;31(6):823–7
Infection by human cytomegalovirus associated with chronic hematospermia. Koment RW, et al. Urology 1983 Dec; 22(6):617–21
[Hemospermia: diagnosis and treatment] Netto Junior NR, et al. Arch Esp Urol 1983 Nov–Dec;36(6):391–4 (Eng. Abstr.) (Spa)

ABNORMALITIES

Chromatin packing in normal and teratozoospermic human ejaculated spermatozoa. Bustos-Obregon E, et al. **Andrologia** 1983 Sep-Oct;15(5):468-78

Multiple malformation of bovine spermatozoa with special reference to their lightmicroscopic fluorescing pattern and electron-microscopic structure. Czaker R, et al. **Andrologia** 1984 Jan-Feb;16(1):61-71

Biochemical and genetic investigation of round-headed spermatozoa in infertile men including two brothers and their father. Flörke-Gerloff S, et al. **Andrologia** 1984 May-Jun;16(3):187-202

Induction of morphologically abnormal sperm in rats exposed to O-Xylene. Washington WJ, et al. **Arch Androl** 1983 Dec; 11(3):233-7

Inability of round acrosomeless human spermatozoa to penetrate zona-free hamster ova. Weissenberg R, et al. **Arch Androl** 1983 Oct;11(2):167-9

Pathology of the cytoskeleton of the human sperm flagellum: axonemal and peri-axonemal anomalies. Escalier D, et al. **Biol Cell** 1984;50(1):37-52

Estimation of the frequency of malformed sperm by slit scan flow cytometry. Halamka J, et al. **Cytometry** 1984 Jul; 5(4):333-8

Studies on human spermatozoa with round head syndrome. Syms AJ, et al. **Fertil Steril** 1984 Sep;42(3):431-5

Morphogenesis of 'decapitated' spermatozoa in a man. Baccetti B, et al. **J Reprod Fertil** 1984 Mar;70(2):395-7

[Morphologic parameters of sperm. 1) Syndromes] Roussel F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(4):363-71 (Eng. Abstr.) **(Fre)**

[Role of the epididymis in the formation of morphologically abnormal spermatozoa in bulls] Leidl W, et al. **DTW** 1983 Oct 6;90(10):390-5 (Eng. Abstr.) **(Ger)**

ANALYSIS

Glycoproteins of bovine epididymal spermatozoa--a cytochemical study. Sinowatz F, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:113-20

Boar proacrosin correlation between total proacrosin content and sperm fertilizing capacity. Cechová D, et al. **Andrologia** 1984 Mar-Apr;16(2):169-74

Occurrence of -SH containing molecules on the goat sperm external surface that are essential for flagellar motility. Majumder GC, et al. **Andrologia** 1984 May-Jun; 16(3):219-23

Phospholipids in guinea pig spermatozoa before and after capacitation in vitro. Takei GH, et al. **Andrologia** 1984 Jan-Feb;16(1):38-47

Variability of the chromatin decondensation ability test on human sperm. Huret JL. **Arch Androl** 1983 Aug;11(1):1-7

The amino terminal sequences of boar sperm proacrosin and active acrosin are identical. Fridberger A, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):884-9

Biochemical characterization of a human spermatozoal sialoglycoprotein with respect to antigenicity masking by its sialic acid moieties. Czuppon AB. **Biochem Int** 1984 Jan; 8(1):9-18

Extraction, purification and characterization of the sperm protamines of the dog-fish Scylliorhinus caniculus. Gusse M, et al. **Biochim Biophys Acta** 1983 Oct 17;748(1):93-8

A bovine seminal plasma inhibitor of actin-stimulated myosin adenosine triphosphatase. Tamblyn TM. **Biol Reprod** 1983 Oct;29(3):725-32

Surface glycoprotein changes in ram spermatozoa during epididymal maturation. Voglmayr JK, et al. **Biol Reprod** 1983 Oct;29(3):767-75

Systematic analysis of desorption chemical ionization (DCI) mass spectra of nucleic acids--7. Virelizier H, et al. **Biomed Mass Spectrom** 1983 Oct;10(10):559-66

Capacitation and the acrosome reaction in guinea pig spermatozoa increase the availability of surface aminophospholipids for labelling by trinitrobenzene sulphonate. Elliott M, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):1091-6

Monoclonal antibodies against spermatozoa of the common carp (Cyprinus carpio L.). I. A study germ cell antigens in adult males and females. Parmentier HK, et al. **Cell Tissue Res** 1984;236(1):99-105

Trace elements in human seminal plasma and spermatozoa. Pleban PA, et al. **Clin Chim Acta** 1983 Sep 15;133(1):43-50

A comparative study of the histones isolated from sperm of the sea urchin Tetrapygus niger. Imschenetzky M, et al. **Comp Biochem Physiol [B]** 1984;78(2):393-9

Maternal inheritance of the mouse mitochondrial genome is not mediated by a loss or gross alteration of the paternal mitochondrial DNA or by methylation of the oocyte mitochondrial DNA. Hecht NB, et al. **Dev Biol** 1984 Apr; 102(2):452-61

Trout sperm chromatin. I. Biochemical and immunological study of the protein composition. Avramova Z, et al. **Eur J Cell Biol** 1983 Jul;31(1):137-42

Biochemical and ultrastructural study of the sperm chromatin from Mytilus galloprovincialis. Avramova Z, et al. **Exp Cell Res** 1984 May;152(1):231-9

Heterogeneity of the histone-containing chromatin in sea cucumber spermatozoa. Distribution of the basic protein phi 0 and absence of non-histone proteins. Azorín F, et al. **Exp Cell Res** 1983 Oct 15;148(2):331-44

Pig sperm tail tubulin. Its extraction and characterization. Little M, et al. **Exp Cell Res** 1983 Aug;147(1):15-22

Protamine-DNA association in mammalian spermatozoa. Rodman TC, et al. **Exp Cell Res** 1984 Feb;150(2):269-81

Identification of spermatogenic cell plasma membrane glycoproteins by two-dimensional electrophoresis and lectin blotting. Millette CF, et al. **J Cell Sci** 1984 Jan; 65:233-48

Zinc in mammalian sperm: a review. Hidiroglou M, et al. **J Dairy Sci** 1984 Jun;67(6):1147-56 (64 ref.)

Distribution of a proteinase inhibitor of epididymal origin in the tissues and secretions of the male reproductive tract of mice. Poirier GR, et al. **J Exp Zool** 1984 Jun; 230(3):465-71

Identification of a large multigene family encoding the major sperm protein of Caenorhabditis elegans. Burke DJ, et al. **J Mol Biol** 1983 Nov 25;171(1):1-29

Localization of epididymal secretory proteins on rat spermatozoa. Brooks DE, et al. **J Reprod Fertil** 1983 Nov; 69(2):651-7

Methylation patterns of repetitive DNA sequences in germ cells of Mus musculus. Sanford J, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2823-36

The tubulins of animals, plants, fungi and protists implications for metazoan evolution. Little M, et al. **Orig Life** 1984 Mar; 13(3-4):169-76

[Biological and biochemical studies of the sperm and blood serum of rams with degraded sperm production] Georgiev GS. **Vet Med Nauki** 1983;20(5-6):99-104 (Eng. Abstr.) **(Bul)**

[Effect of ultra low temperatures on the acrosomal proteins of bull and ram spermatozoa] Tsekova E, et al. **Vet Med Nauki** 1983;20(5-6):105-9 (Eng. Abstr.) **(Bul)**

[Normal sperm and yet sterile] Kremer J. **Ned Tijdschr Geneeskd** 1984 Apr 7;128(14):649-51 **(Dut)**

[Hexosamine content of normal and pathological human sperm] Nadermann E, et al. **Andrologia** 1983 Nov-Dec; 15(6):655-8 (Eng. Abstr.) **(Ger)**

[Attempt at separation of sperm genotypes based on motility differences] Nehring H, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):729-39 (49 ref.) (Eng. Abstr.) **(Ger)**

[Preparative isolation of hexa-, hepta-, octa-, nona- and decapyrimidine oligonucleotides from hydrolysates of depurinated herring sperm DNA] Schott H. **J Chromatogr** 1984 Feb 3;284(2):409-31 (Eng. Abstr.) **(Ger)**

[Preparative isolation of tetra-, penta- and hexapurine oligonucleotides from partial hydrolysates of depyrimidinated herring sperm DNA] Schott H, et al. **J Chromatogr** 1984 Feb 3;284(2):381-407 (Eng. Abstr.) **(Ger)**

[Preparative isolation of mono-, di- and tripurine nucleotides from hydrolysates of depyrimidinated herring sperm DNA] Schott H, et al. **J Chromatogr** 1983 Aug 19;265(2):257-75 (Eng. Abstr.) **(Ger)**

[Optical and hydrodynamic properties of DNA complexes with histones H1 from the calf thymus and sea urchin sperm] Sibileva MA, et al. **Mol Biol (Mosk)** 1984 Mar-Apr; 18(2):488-96 (Eng. Abstr.) **(Rus)**

[Future trends in forensic medical studies of hair and traces of sperm] Gladkikh AS. **Sud Med Ekspert** 1983 Oct-Dec; 26(4):27-9 (Eng. Abstr.) **(Rus)**

[Physicochemical and morphofunctional indices of the spermatozoa obtained in a single ejaculate in 3 portions from patients with chronic urethritis and prostatitis] Iunda IF, et al. **Urol Nefrol (Mosk)** 1984 Jul-Aug;(4):51-4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Morphology of live seminal and postcoital cervical spermatozoa and its bearing on human fertility. Fredricsson B, et al. **Acta Obstet Gynecol Scand** 1984;63(4):329-33

Long-term study on the effects of electroejaculation on seminal characteristics of the domestic cat. Pineda MH, et al. **Am J Vet Res** 1984 May;45(5):1038-41

Proliferation of spermatogonia and Sertoli cells in maturing mice. Kluin PM, et al. **Anat Embryol (Berl)** 1984; 169(1):73-8

Gonadal and extragonadal sperm reserves of the Brazilian Nelore zebu (Bos indicus). Godinho HP, et al. **Andrologia** 1984 Mar-Apr;16(2):131-4

Long-term variations of seminal parameters. Krause W. **Andrologia** 1984 Mar-Apr;16(2):175-8

Effect of cooling, freezing and thawing rates and storage conditions on preservation of human spermatozoa. Mahadevan M, et al. **Andrologia** 1984 Jan-Feb;16(1):52-60

Flow cytometry and sizing for routine andrological analysis. Spano M, et al. **Andrologia** 1984 Jul-Aug;16(4):367-75

Precocious initiation of meiosis by male germ cells of the mouse. Ozdzenski W, et al. **Arch Anat Microsc Morphol Exp** 1984;73(1):1-7

Comparative silver staining patterns of water buffalo, goat, and pig spermatozoa. Bongso TA. **Arch Androl** 1983 Aug; 11(1):13-7

Sperm selection capacity of cervical mucus. Pretorius E, et al. **Arch Androl** 1984;12(1):5-7

Further quantification of human spermatogenesis: germ cell loss during postprophase of meiosis and its relationship to daily sperm production. Johnson L, et al. **Biol Reprod** 1983 Aug;29(1):207-15

Unique seminal quality in the South African cheetah and a comparative evaluation in the domestic cat. Wildt DE, et al. **Biol Reprod** 1983 Nov;29(4):1019-25

Spermatogonial multiplication in the Chinese hamster. IV. Search for long cycling stem cells. Lok D, et al. **Cell Tissue Kinet** 1984 Mar;17(2):135-43

Dislocated type-A spermatogonia in human seminiferous tubules. Holstein AF, et al. **Cell Tissue Res** 1984; 236(1):35-40

A 39,X/40,XY/41,XYY mosaic male mouse. Das RK, et al. **Cytogenet Cell Genet** 1984;38(2):138-41

Delayed meiotic development and correlated death of spermatocytes in male mice with chromosome abnormalities. Speed RM, et al. **Cytogenet Cell Genet** 1983; 35(4):257-62

Stem-spermatogonial survival and incidence of reciprocal translocations in the gamma-irradiated boar. Erickson BH, et al. **Environ Mutagen** 1984;6(2):219-27

Nuclear elongation of dissociated newt spermatids in vitro and their nuclear shortening by antimicrotubule agents. Abé S, et al. **Exp Cell Res** 1984 Sep;154(1):243-55

Separation of human X- and Y-bearing sperm using percoll density gradient centrifugation. Kaneko S, et al. **Fertil Steril** 1983 Nov;40(5):661-5

The effect of single-density bovine serum albumin columns on sperm concentration, motility, and morphology. Urry RL, et al. **Fertil Steril** 1983 Nov;40(5):666-9

The use of Percoll gradients for the preparation of subpopulations of human spermatozoa. Arcidiacono A, et al. **Int J Androl** 1983 Oct;6(5):433-45

Improved techniques for separating motile spermatozoa from human semen. II. An atraumatic centrifugation method. Makler A, et al. **Int J Androl** 1984 Feb;7(1):71-8

Improved techniques for collecting motile spermatozoa from human semen. I. A self-migratory method. Makler A, et al. **Int J Androl** 1984 Feb;7(1):61-70

Stage-dependent topographical relationship of spermatogonia and early spermatocytes to Sertoli-Sertoli interspaces in the rat testis. Ulvik NM. **Int J Androl** 1983 Oct;6(5):469-81

The diagnostic value of sperm in post-ejaculatory urine. Weissenberg R, et al. **Int J Androl** 1984 Apr;7(2):142-8

Sex ratio after insemination of bovine spermatozoa isolated using a bovine serum albumin gradient. Beal WE, et al. **J Anim Sci** 1984 Jun;58(6):1432-6

Breed and sire effects on crossbred lamb production from Panama ewes and on spermatozoan midpiece length. Saoud NB, et al. **J Anim Sci** 1984 Jul;59(1):29-38

Major histocompatibility antigens are not detectable on post-meiotic human testicular germ cells. Anderson DJ, et al. **J Immunol** 1984 Oct;133(4):1962-5

Relationship of gross appearance of vas fluid during vasovasostomy to sperm quality, obstructive interval and sperm granuloma. Sharlip ID, et al. **J Urol** 1984 Apr; 131(4):681-3

Testicular weights, ductus deferens semen volumes, and sperm concentration of turkeys with high and low ejaculate volumes. Cecil HC, et al. **Poult Sci** 1984 Jul;63(7):1432-7

Morphological changes in chicken and turkey spermatozoa incubated under various conditions. Clarke RN, et al. **Poult Sci** 1984 Apr;63(4):801-5

Filling rates of the uterovaginal sperm storage glands in the turkey. McIntyre DR, et al. **Poult Sci** 1983 Aug; 62(8):1652-6

[Assessment of the morphological status of human sperm] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 1983; 22(5):383-6 (Eng. Abstr.) **(Bul)**

[Trials on separating sperm genotypes using carrier-free deflection electrophoresis] Blottner S, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):641-55 (Eng. Abstr.) **(Ger)**

[Determination of the quantity of intact spermatozoa in bull ejaculates] Halangk W, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):105-14 (Eng. Abstr.) **(Ger)**

[The possibilities of separating spermatozoa] Krause W. **Hautarzt** 1984 Jul;35(7):354-8 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Occurrence of -SH containing molecules on the goat sperm external surface that are essential for flagellar motility. Majumder GC, et al. **Andrologia** 1984 May-Jun; 16(3):219-23

Stimulation of the human spermatozoal fertilizing ability by dibutyryl 3',5'-CAMP and theophylline in vitro. Chan SY, et al. **Arch Androl** 1983 Aug;11(1):19-23

Fertilizing ability of spermatozoa of rats treated with STS 557. Warikoo PK, et al. **Arch Androl** 1983 Oct;11(2):157-9

Methotrexate and teratogenesis [letter] Perry WH. **Arch Dermatol** 1983 Nov;119(11):874-5

Gossypol inhibition of acrosin and proacrosin, and oocyte penetration by human spermatozoa. Kennedy WP, et al. **Biol Reprod** 1983 Nov;29(4):999-1009

Stimulation of sperm respiration rates by speract and resact at alkaline extracellular pH. Suzuki N, et al. **Biol Reprod** 1984 Jun;30(5):1167-74

Modulation of phospholipase A2 activity associated with human sperm membranes by divalent cations and calcium antagonists. Thakkar JK, et al. **Biol Reprod** 1984 Apr; 30(3):679-86

An exploration of cryoprotective compounds for fowl spermatozoa. Lake PE, et al. **Br Poult Sci** 1984 Jan; 25(1):145-50

The use of two-dimensional electrophoresis to detect mutations induced in mouse spermatogonia by ethylnitrosourea. Marshall RR, et al. **Can J Genet Cytol** 1983 Oct;25(5):457-66

Use of an in vitro technique to detect mutations induced by antineoplastic drugs in mouse germ cells. Goldstein LS. **Cancer Treat Rep** 1984 Jun;68(6):855–8

Effects of androgens on fertilizing capacity of human spermatozoa. Chan SY, et al. **Contraception** 1983 Nov; 28(5):481–8

The effect of alpha–chlorohydrin on the oxidation of fructose by rabbit spermatozoa in vitro. Ford SA, et al. **Contraception** 1983 Dec;28(6):565–73

Methylxanthines stimulate calcium transport and inhibit cyclic nucleotide phosphodiesterases in abalone sperm. Kopf GS, et al. **Dev Biol** 1983 Sep;99(1):115–20

DEET (N,N–diethyltoluamide) does not affect sperm number, viability and head morphology in male rats treated dermally. Lebowitz H, et al. **Drug Chem Toxicol** 1983; 6(4):379–95

Comparison of methods for detecting mitomycin C– and ethyl nitrosourea–induced germ cell damage in mice: sperm enzyme activities, sperm motility, and testis weight. Ficsor G, et al. **Environ Mutagen** 1984;6(3):287–98

An assay to detect chemically induced DNA repair in rat spermatocytes. Working PK, et al. **Environ Mutagen** 1984; 6(3):273–86

Comparative studies of dose–response curves for recessive lethal mutations induced by ethylnitrosourea in spermatogonia and in spermatozoa of Drosophila melanogaster. Yoshikawa I, et al. **Environ Mutagen** 1984; 6(4):489–96

Fucoidin inhibits attachment of guinea pig spermatozoa to the zona pellucida through binding to the inner acrosomal membrane and equatorial domains. Huang TT, et al. **Exp Cell Res** 1984 Aug;153(2):363–73

The morphological development of glycol ether–induced testicular atrophy in the rat. Creasy DM, et al. **Exp Mol Pathol** 1984 Apr;40(2):169–76

Stimulation of an exocytotic event, the hamster sperm acrosome reaction, by cis–unsaturated fatty acids. Meizel S, et al. **FEBS Lett** 1983 Sep 19;161(2):315–8

The influence of in vitro caffeine treatment on human sperm morphology and fertilizing capacity. Barkay J, et al. **Fertil Steril** 1984 Jun;41(6):913–8

Effects of different fixatives on the development of acrosomal system during spermiogenesis in buffalo, goat and ram. Bilaspuri GS, et al. **Folia Biol (Praha)** 1983;29(6):429–32

Evaluation of the effect of oxfendazole on sperm production and semen quality in boars. Larsson B, et al. **Int J Androl** 1983 Aug;6(4):393–400

Comparison of glycerol and a zwitter ion buffer system as cryoprotective media for human spermatozoa. Effect on motility, penetration of zona–free hamster oocytes, and acrosin/proacrosin. Jeyendran RS, et al. **J Androl** 1984 Jan–Feb;5(1):1–7

Evidence suggesting the importance of fatty acids and the fatty acid moieties of sperm membrane phospholipids in the acrosome reaction of guinea pig spermatozoa. Fleming AD, et al. **J Exp Zool** 1984 Mar;229(3):485–9

Reproductive toxicology of 1,3–diphenylguanidine: analysis of induced sperm abnormalities in mice and hamsters and reproductive consequences in mice. Bempong MA, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):869–78

Spermotoxicity and tissue accumulation of chlordecone (Kepone) in male rats. Linder RE, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):183–92

Dominant lethal mutations induced in mouse spermatogonia by antineoplastic drugs. Goldstein LS. **Mutat Res** 1984 Aug;140(4):193–7

Sperm abnormality assay of metronidazole and tinidazole. Pylkkänen L, et al. **Mutat Res** 1984 Jun–Jul; 140(2–3):137–40

Evaluation of Propineb, a dithiocarbamate pesticide, in the mouse–sperm morphology assay. Quinto I, et al. **Mutat Res** 1983 Dec;124(3–4):235–40

Antimutagenic effects on male germ cells of mice. Renner HW, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):127–9

Methylation of DNA and protamine by methyl methanesulfonate in the germ cells of male mice. Sega GA, et al. **Mutat Res** 1983 Oct;111(2):227–44

Dominant lethal mutations induced by MMS and mitomycin C in the fish Oryzias latipes. Shimada A, et al. **Mutat Res** 1984 Feb;125(2):221–7

Effect of carbon dioxide on fertility of cock semen incubated in vitro at 41 C. Howarth B Jr. **Poult Sci** 1984 Apr; 63(4):838–40

New techniques in contraception: gossypol, vaccines and GnRH analogues. Aitken RJ. **Proc Annu Symp Eugen Soc** 1983;19:1–18 (72 ref.)

An evaluation of sperm tests as indicators of germ–cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Prog Clin Biol Res** 1984;160:385–405 (74 ref.)

Male–transmitted developmental and neurobehavioral deficits. Adams PM, et al. **Teratogenesis Carcinog Mutagen** 1984;4(1):149–69

An evaluation of the copulatory, endocrinologic, and spermatotoxic effects of carbon disulfide in the rat. Zenick H, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):275–83

Cytogenetic effects induced by organophosphorus pesticides in mouse spermatocytes. Degraeve N, et al. **Toxicol Lett** 1984 Jun;21(3):315–9

[Relation between the denaturation changes in the diluents and the freezability of bull spermatozoa] Al–Khanak H, et al. **Vet Med Nauki** 1984;21(3):67–73 (Eng. Abstr.) **(Bul)**

[Effects of gossypol on lactate dehydrogenase isoenzyme–X in human spermatozoa] Chen XM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):223–6 (Eng. Abstr.) **(Chi)**

[Effects of a fixed mixture of lactate, glucose and phosphate on the survival of human spermatozoa] Chalet M, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):265–76 (Eng. Abstr.) **(Fre)**

[Cryopreserved bull semen as the test specimen for screening environmental pollutants (the sperm test)] Kalbe L. **Z Gesamte Hyg** 1983 Dec;29(12):718–21 (Eng. Abstr.) **(Ger)**

[Arsenic trioxide inhibition of the thiophosphamide induction of mutations in mouse germ and somatic cells] Pashin IuV, et al. **Genetika (Moskva)** 1984 Feb;20(2):365–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The role of acrosomal enzymes in lymphocytes stimulation by spermatozoa. Kurpisz M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):129–32

Electrophoretic study of bull sperm acrosin. Georgiev GH. **Andrologia** 1983 Nov–Dec;15(6):666–9

Enzyme activities in cynomolgus monkey and mouse spermatozoa evaluated histochemically during epididymal maturation. Abou–Haila A, et al. **Arch Androl** 1983 Oct; 11(2):101–13

Germ cell adenylyl cyclase activity in the human undescended testis and the effect of HCG–treatment. Läckgren G, et al. **Arch Androl** 1984;12(1):97–102

Purification and properties of carnitine acetyltransferases from bovine spermatozoa and heart. Huckle WR, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):94–110

Cytochemical quantitative determination of some enzymatic activities in rabbit epididymal spermatozoa. Ferrandi B, et al. **Basic Appl Histochem** 1983;27(3):219–21

Evidence for the presence of ATP–dependent calcium pump and ATPase activities in bull sperm head membranes. Breitbart H, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):479–84

Function of calmodulin in mammalian sperm: presence of a calmodulin–dependent cyclic nucleotide phosphodiesterase associated with demembranated rat caudal epididymal sperm. Wasco WM, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):636–42

Characterization of a calmodulin–dependent high–affinity cyclic AMP and cyclic GMP phosphodiesterase from male mouse germ cells. Geremia R, et al. **Biochem J** 1984 Feb 1;217(3):693–700

Surface–active phospholipase A2 in mouse spermatozoa. Thakkar JK, et al. **Biochim Biophys Acta** 1983 Nov 1; 754(1):44–50

Purification of boar acrosomal arylsulfatase A and possible role in the penetration of cumulus cells. Dudkiewicz AB. **Biol Reprod** 1984 May;30(4):1005–14

Sensitive assay detects protein methylesterase in spermatozoa: decrease in enzyme activity during epididymal maturation. Gagnon C, et al. **Biol Reprod** 1984 May;30(4):953–8

Association of bovine sperm aldolase with sperm subcellular components. Gillis BA, et al. **Biol Reprod** 1984 Aug; 31(1):25–35

Hamster sperm Na+, K+–adenosine triphosphatase: increased activity during capacitation in vitro and its relationship to cyclic nucleotides. Mrsny RJ, et al. **Biol Reprod** 1984 Apr;30(3):573–84

Ribonucleolytic activity of bovine spermatozoal plasma and acrosomal membranes. Shivaji S, et al. **Biosci Rep** 1984 Jan;4(1):71–82

Evidence for the extreme overestimation of choline acetyltransferase in human sperm, human seminal plasma and rat heart: a case of mistaking carnitine acetyltransferase for choline acetyltransferase. Goodman DR, et al. **Chem Biol Interact** 1984 Apr;49(1–2):39–53

Comparison of human acrosin, a trypsin–like sperm proteinase, with human pancreatic trypsin: temperature stability and effect of cations. Anderson RA Jr, et al. **Comp Biochem Physiol [B]** 1984;77(4):707–13

Acrosin in the spermiohistogenesis of mammals. Flörke S, et al. **Differentiation** 1983;24(3):250–6

Activation of adenylate cyclase by sperm membranes. The role of guanine nucleotide binding proteins. Hanski E, et al. **FEBS Lett** 1983 Oct 17;162(2):447–52

Acrosomal damage and enzyme leakage during freeze preservation of buffalo spermatozoa. Kakar SS, et al. **Indian J Exp Biol** 1984 Jan;22(1):5–10

Endogenous protein carboxyl methylation in hamster spermatozoa: changes associated with capacitation in vitro. Castaneda E, et al. **Int J Androl** 1983 Oct;6(5):482–96

Poly(ADP–ribose) synthetase associated to cytoplasmic structures of meiotic cells. Burzio LO, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:141–52

Isolation and characterization of a post–proline cleaving enzyme and its inhibitor from sperm of the ascidian, Halocynthia roretzi. Yokosawa H, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1067–76

Characterization and localization of cAMP–dependent protein kinases in rat caudal epididymal sperm. Horowitz JA, et al. **J Biol Chem** 1984 Jan 25;259(2):832–8

Characterization of a calmodulin–stimulated adenylate cyclase from abalone spermatozoa. Kopf GS, et al. **J Biol Chem** 1984 Jun 25;259(12):7590–6

Activation of spermatozoan adenylate cyclase by a low molecular weight factor in porcine seminal plasma. Okamura N, et al. **J Biol Chem** 1983 Nov 10; 258(21):13056–62

Purification and characterization of two types of trypsin–like enzymes from sperm of the ascidian (Prochordata) Halocynthia roretzi. Evidence for the presence of spermosin, a novel acrosin–like enzyme. Sawada H, et al. **J Biol Chem** 1984 Mar 10;259(5):2900–4

Immunocytochemical localization of acrosin in boar spermatozoa. Castellani–Ceresa L, et al. **J Exp Zool** 1983 Aug;227(2):297–304

Dansylalanyllysylchloromethyl ketone as a fluorescent probe for localization of acrosin activity in boar and human spermatozoa. Berruti G, et al. **J Histochem Cytochem** 1984 May;32(5):526–30

Cytochemical detection of hyaluronidase activity in single human and mouse sperm by an improved substrate–film technique. Waibel R, et al. **J Histochem Cytochem** 1984 Jan;32(1):63–6

Acrosin activity of canine spermatozoa as an index of cellular damage. Froman DP, et al. **J Reprod Fertil** 1984 Jan; 70(1):301–8

Histochemical evaluation of sodium aurothiomalate inhibition of mouse sperm enzymes. Waibel R, et al. **J Reprod Fertil** 1984 Jan;70(1):151–5

Demonstration of LDH–X for identification of testicular tissues. Kido A, et al. **Nagoya J Med Sci** 1983 Jun; 45(3–4):107–10

[Activity and molecular forms of nicotinamide adenine dinucleotide– and nicotinamide adenine dinucleotide phosphate–dependent malate dehydrogenase in bull spermatozoa] Grinko M, et al. **Vet Med Nauki** 1983; 20(5–6):16–21 (Eng. Abstr.) **(Bul)**

[Effect of ultra low temperatures on the acrosomal proteins of bull and ram spermatozoa] Tsekova E, et al. **Vet Med Nauki** 1983;20(5–6):105–9 (Eng. Abstr.) **(Bul)**

[Forensic application of gamma glutamyltransferase in case work: quantitative studies of the activity of gamma–GT in sperm] Kreuder T, et al. **Z Rechtsmed** 1984;92(2):115–9 (Eng. Abstr.) **(Ger)**

[Study of dynein ATPase by oxygen isotope exchange H2(18)O in equilibrium with [16O]–Pi] Kuleva NV, et al. **Biokhimiia** 1983 Oct;48(10):1691–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Shift of glycolysis as a marker of sperm maturation. Panse GT, et al. **Arch Androl** 1983 Oct;11(2):137–40

Acrosin and the acrosome in human spermatogenesis. Flörke–Gerloff S, et al. **Hum Genet** 1983;65(1):61–7

Changes from puberty to adulthood in the concentration, motility and morphology of mouse epididymal spermatozoa. Albert M, et al. **Int J Androl** 1983 Oct; 6(5):446–60

Characterization of a maturation–associated glycoprotein on the plasma membrane of rat caudal epididymal sperm. Zeheb R, et al. **J Biol Chem** 1984 Jan 25;259(2):839–48

IMMUNOLOGY

Cervical factors and immunological problems: diagnosis and treatment. Shulman S. **Acta Eur Fertil** 1983 Mar–Apr; 14(2):101–5

Immunological response of guinea pigs sensitized with homologous antigens. Alonso A, et al. **Am J Reprod Immunol** 1984 Jul–Aug;6(1):14–8

Detection of antispermatozoal antibodies of IgA class in cervical mucus. Clarke GN, et al. **Am J Reprod Immunol** 1984 Mar;5(2):61–5

Vasectomy–induced autoimmunity: antisperm and antinuclear autoimmune monoclonal antibodies. Isahakia M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):117–24

Are sperm immobilizing antibodies in cervical mucus an explanation for a poor postcoital test? Jager S, et al. **Am J Reprod Immunol** 1984 Mar;5(2):56–60

The role of acrosomal enzymes in lymphocytes stimulation by spermatozoa. Kurpisz M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):129–32

Analysis of mouse sperm isoantigens using specific monoclonal antibodies. Lee CY, et al. **Am J Reprod Immunol** 1984 Jul–Aug;6(1):37–43

Monoclonal sperm antibodies: their potential for investigation of sperms as target of immunological contraception. Mettler L, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):125–8

Induction of high titer mouse–antihuman spermatozoal antibodies by liposome incorporation of spermatozoal membrane antigens. Mettler L, et al. **Am J Reprod Immunol** 1983 Oct–Nov;4(3):127–32

Role of histoincompatibility on the blastogenic response of lymphocytes from guinea pigs alloimmunized with sperm cells. Nemirovsky MS. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):5–8

Monoclonal antibody inducing human sperm agglutination. Yan YC, et al. **Am J Reprod Immunol** 1983 Oct–Nov; 4(3):111–5

Antisperm responses in male dogs with chronic Brucella canis infections. George L, et al. **Am J Vet Res** 1984 Feb; 45(2):274–81

Detection of canine antisperm antibodies by indirect immunofluorescence and gelatin agglutination. Rosenthal RC, et al. **Am J Vet Res** 1984 Feb;45(2):370–4

Serum agglutinating and immobilising sperm antibodies in

men attending a sexually transmitted diseases clinic. Hargreave TB, et al. **Andrologia** 1984 Mar–Apr;16(2):111–5
Immunization with spermatozoal peptide antigens resulting in immuno–suppression of fertility rates in female rats. Mettler L, et al. **Andrologia** 1983 Nov–Dec;15(6):670–5
Con A– and WGA–binding sites on bovine epididymal spermatozoa: TEM of specimens in toto. Friess AE, et al. **Biol Cell** 1984;50(3):279–84
Interspecies cross–reactivity of monoclonal antibodies directed against human sperm antigens. Isahakia M, et al. **Biol Reprod** 1984 May;30(4):1015–26
Monoclonal antibodies to rabbit sperm autoantigens. II. Inhibition of human sperm penetration of zona–free hamster eggs. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):731–6
Monoclonal antibodies to rabbit sperm autoantigens. I. Inhibition of in vitro fertilization and localization on the egg. O'Rand MG, et al. **Biol Reprod** 1984 Apr;30(3):721–9
Production and characterization of monoclonal antibodies to the sperm acrosome stabilizing factor (ASF): utilization for purification and molecular analysis of ASF. Reynolds AB, et al. **Biol Reprod** 1984 Apr;30(3):775–86
Characterization of human sperm surface antigens with monoclonal antibodies. Wolf DP, et al. **Biol Reprod** 1983 Oct;29(3):713–23
GPLA antigens are not expressed on guinea–pig epididymal spermatozoa. Thyphronitis G, et al. **Clin Exp Immunol** 1984 Sep;57(3):687–93
Induction of antibody to asialo GM1 by spermatozoa and its occurrence in the sera of homosexual men with the acquired immune deficiency syndrome (AIDS). Witkin SS, et al. **Clin Exp Immunol** 1983 Nov;54(2):346–50
Treatment of sperm autoimmunity in men. Baker HW, et al. **Clin Reprod Fertil** 1983 Mar;2(1):55–71
Prevalence, testicular function and seminal parameters in men with sperm antibodies. Handelsman DJ, et al. **Clin Reprod Fertil** 1983 Mar;2(1):39–45
Assessing immunity to sperm. Jones WR. **Clin Reprod Fertil** 1982 Mar;1(1):3–12 (60 ref.)
Generation of monoclonal antibodies against human spermatozoa and seminal plasma constituents. Paul S, et al. **Clin Reprod Fertil** 1982 Sep;1(3):235–40
Identification and immunochemical characterization of spermatogenic cell surface antigens that appear during early meiotic prophase. O'Brien DA, et al. **Dev Biol** 1984 Feb;101(2):307–17
Immunologic infertility and in vitro fertilization. Ackerman SB, et al. **Fertil Steril** 1984 Sep;42(3):474–7
An immunosorption assay for antibodies to spermatozoa: comparison with agglutination and immobilization tests. Alexander NJ, et al. **Fertil Steril** 1984 Feb;41(2):270–6
Antibodies to human spermatozoa impede sperm penetration of cervical mucus or hamster eggs. Alexander NJ. **Fertil Steril** 1984 Mar;41(3):433–9
Antifertility vaccines [letter] Bronson R, et al. **Fertil Steril** 1984 May;41(5):786–7
Sperm antibodies: their role in infertility. Bronson R, et al. **Fertil Steril** 1984 Aug;42(2):171–83 (78 ref.)
Autoimmunity to spermatozoa: effect on sperm penetration of cervical mucus as reflected by postcoital testing. Bronson RA, et al. **Fertil Steril** 1984 Apr;41(4):609–14
Immunologic considerations before and after vasovasostomy. Fuchs EF, et al. **Fertil Steril** 1983 Oct;40(4):497–9
Prevention of monkey sperm penetration of zona–free hamster ova by sperm antibody obtained from vasectomized cynomolgus monkeys. Hoffman ML, et al. **Fertil Steril** 1984 Jul;42(1):108–11
Comparison of two supravital stains in examination of human semen and in tests for cytotoxic antibodies to human spermatozoa. Jager S, et al. **Fertil Steril** 1984 Feb; 41(2):294–7
Monoclonal antibodies to rabbit sperm autoantigens. Lee CY, et al. **Fertil Steril** 1984 Jan;41(1):131–8
Diverse humoral and cell–mediated effects of antisperm antibodies on reproduction. London SN, et al. **Fertil Steril** 1984 Jun;41(6):907–12
Sperm motility on postcoital testing correlates with male autoimmunity to sperm. Mathur S, et al. **Fertil Steril** 1984 Jan;41(1):81–7
Antigenicity of sperm cells after freezing and thawing. Phillip M, et al. **Fertil Steril** 1984 Apr;41(4):615–9
Detection and characterization of immune complexes in the circulation of infertile women. Witkin SS, et al. **Fertil Steril** 1984 Sep;42(3):384–8
Relationship between genital tract infections, sperm antibodies in seminal fluid, and infertility. Witkin SS, et al. **Fertil Steril** 1983 Dec;40(6):805–8
Cloning and identification of the H–2Dp gene. Macchi MJ, et al. **Immunogenetics** 1984;19(3):195–204
Characterization of lectin receptors isolated from the outer acrosomal membrane of boar spermatozoa. Töpfer–Petersen E, et al. **Int J Androl** 1983 Aug; 6(4):375–92
Testicular biopsy in antispermatozoal antibody positive tuberculoid leprosy patients [letter] Gupta SC, et al. **Int J Lepr** 1984 Jun;52(2):255
Characterization of a cell–surface differentiation antigen of mouse spermatogenesis: timing and localization of expression by immunohistochemistry using a monoclonal antibody. Bechtol KB. **J Embryol Exp Morphol** 1984 Jun; 81:93–104
Effect of ingested sperm on fecundity in the rat. Allardyce RA. **J Exp Med** 1984 May 1;159(5):1548–53
Monoclonal antibody against mouse sperm blocks a specific event in the fertilization process. Saling PM, et al. **J Exp Zool** 1983 Sep;227(3):481–6
HLA typing of dried sperm. Regueiro JR, et al. **J Forensic Sci** 1984 Apr;29(2):430–5
Antisperm antibodies in mouse vasectomy sera react with embryonal teratocarcinoma. Anderson DJ, et al. **J Immunol** 1983 Dec;131(6):2908–12
Detection of antibody–coated sperm by 'panning' procedures. Hancock RJ, et al. **J Immunol Methods** 1984 Jan 20; 66(1):149–59
Localization by monoclonal antibodies of various surface antigens of hamster spermatozoa and the effect of antibody on fertilization in vitro. Moore HD, et al. **J Reprod Fertil** 1984 Jan;70(1):175–83
Influence of epididymal maturation on the capacity of hamster and rabbit spermatozoa for complement activation. Witkin SS, et al. **J Reprod Fertil** 1983 Nov;69(2):517–21
Reacting mouse sperm with monoclonal H–Y antibodies does not influence sex ratio of eggs fertilized in vitro. Hoppe PC, et al. **J Reprod Immunol** 1984 Jan;6(1):1–9
Identification of sperm antigenic determinants with phylogenetically diverse and limited distribution using monoclonal antibodies. Koyama YI, et al. **J Reprod Immunol** 1984 May;6(3):141–50
Anti–sperm antibodies and fertility of turkey hens. McCorkle FM, et al. **J Reprod Immunol** 1983 Nov;5(6):363–70
Isolation of a sperm autoantigen from the kidneys of vasectomized rabbits. O'Rand MG, et al. **J Reprod Immunol** 1984 Feb;6(2):121–8
The effect of testicular torsion on contralateral testis and the production of antisperm antibodies in rabbits. Cerasaro TS, et al. **J Urol** 1984 Sep;132(3):577–9
Spermatozoa and immune dysregulation in homosexual men [letter] **JAMA** 1984 Sep 7;252(9):1130
Chronic immune stimulation by sperm alloantigens. Support for the hypothesis that spermatozoa induce immune dysregulation in homosexual males. Mavligit GM, et al. **JAMA** 1984 Jan 13;251(2):237–41
Anti–sperm antibodies, HLA antigens, and semen analysis [letter] Hancock RJ, et al. **Lancet** 1983 Oct 8;2(8354):847–8
Unregulated production of virus and/or sperm specific anti–idiotypic antibodies as a cause of AIDS. Hsia S, et al. **Lancet** 1984 Jun 2;1(8388):1212–4
In–vitro fertilisation of oocytes from women with serum antisperm antibodies. Yovich JL, et al. **Lancet** 1984 Feb 18;1(8373):369–70
Concerning the genesis of AIDS. Morgan J. **Med Hypotheses** 1984 Apr;13(4):357–8
Head–to–head type auto–sperm agglutination with IgA antibody to acrosome induced by Brucella canis infection. Serikawa T, et al. **Nippon Juigaku Zasshi** 1984 Feb; 46(1):41–8
Characterization of a membrane antigen from rabbit testis and sperm isolated by using monoclonal antibodies and effect of its antiserum on fertility. Naz RK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):857–61
IgG–coated latex particles and the identification of sperm antibodies. Grobler S, et al. **S Afr Med J** 1984 Jul 21; 66(3):97–8
Formation of antisperm autoantibodies in rats vasectomized at prefertile age. Pedersen J, et al. **Scand J Urol Nephrol** 1983;17(3):277–81
Monoclonal antibody to a human germ cell membrane glycoprotein that inhibits fertilization. Naz RK, et al. **Science** 1984 Jul 20;225(4659):342–4
Rectal insemination modifies immune responses in rabbits. Richards JM, et al. **Science** 1984 Apr 27;224(4647):390–2
Immunological infertility: occurrence and treatment. Franken DR, et al. **Surv Immunol Res** 1982;1(2):184–90 (49 ref.)
Targeting immunologic infertility [letter] Messer RH, et al. **West J Med** 1983 Oct;139(4):537
[Immunological and spermatological studies of patients with idiopathic varicocele and infertility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1983;22(3):220–3 (Eng. Abstr.) **(Bul)**
[Isolation of spermatozoidal antigens] Ulčová–Gallová Z, et al. **Cesk Gynekol** 1983 Jun;48(5):376–9 **(Cze)**
[Spermatozoidal antigenic fraction – extraction and solubilization methods in practice] Ulčová–Gallová Z, et al. **Cesk Gynekol** 1983 Jun;48(5):364–8 **(Cze)**
[Immunological aspects of infertility] Wawryk R, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):723–8 (40 ref.) (Eng. Abstr.) **(Pol)**
[The cervix uteri as a site of local immunity against sperm antigens] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 1983; 22(2):144–7 (Eng. Abstr.) **(Rus)**
[Detection of group–specific ABO system antigens in spermatozoids by an immunofluorescence method] Stegnova TV. **Sud Med Ekspert** 1983 Jul–Sep;26(3):26–8 (Eng. Abstr.) **(Rus)**
[Immunologic study of the infertile male] Mazzolli AB, et al. **Medicina (B Aires)** 1983;43(3):241–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Spontaneous lipid peroxidation in rabbit spermatozoa: a useful model for the reaction of O2 metabolites with single cells. Alvarez JG, et al. **Adv Exp Med Biol** 1984;169:433–43
Metabolism of round spermatids: evidence that lactate is preferred substrate. Nakamura M, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E234–42
Binding of secreted glycoproteins to spermatozoa in the mammalian epididymis: a fine–structure autoradiographic study. Kopečný V, et al. **Anat Rec** 1984 Feb;208(2):197–206
Effects of methyl xanthines upon the spermatozoa adenosinetriphosphate (ATP) concentration in normal semen. Calamera JC, et al. **Andrologia** 1984 Jul–Aug; 16(4):358–61
Effect of seminal plasma and calcium on the stability of the surface protein composition of ejaculated bull spermatozoa. Vierula M, et al. **Andrologia** 1983 Sep–Oct;15(5):436–45
Effect of steroid hormones on membrane sugar transport in human spermatozoa. Ballesteros LM, et al. **Arch Androl** 1983 Oct;11(2):95–100
Chromatin condensation patterns of spermatozoa during epididymal passage in a normal and a chimeric bull. Porcelli F, et al. **Basic Appl Histochem** 1984;28(2):159–68
Oxygen radical formation induced by gossypol in rat liver microsomes and human sperm. de Peyster A, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):573–9
Proteolysis of somatic type histones in transforming rat spermatid chromatin. Marushige Y, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):48–57
Differential cleavages of disulfide cross–links of protamines in boar sperm nuclei. Tobita T, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):461–4
Assessment of cell damage caused by spontaneous lipid peroxidation in rabbit spermatozoa. Alvarez JG, et al. **Biol Reprod** 1984 Mar;30(2):323–31
Lipid peroxidation and the reactions of superoxide and hydrogen peroxide in mouse spermatozoa. Alvarez JG, et al. **Biol Reprod** 1984 May;30(4):833–41
Taurine, hypotaurine, epinephrine and albumin inhibit lipid peroxidation in rabbit spermatozoa and protect against loss of motility. Alvarez JG, et al. **Biol Reprod** 1983 Oct; 29(3):548–55
Sequence of sperm cell surface differentiation and its relationship to exogenous fluid proteins in the ram epididymis. Dacheux JL, et al. **Biol Reprod** 1983 Nov; 29(4):1033–46
Elevation of sperm adenosine 3':5'–monophosphate concentrations by a fucose–sulfate–rich complex associated with eggs: I. Structural characterization. Garbers DL, et al. **Biol Reprod** 1983 Dec;29(5):1211–20
Metabolism of pachytene primary spermatocytes from rat testes: pyruvate maintenance of adenosine triphosphate level. Nakamura M, et al. **Biol Reprod** 1984 Jun; 30(5):1187–97
Protein phosphorylation of plasma membranes from bovine epididymal spermatozoa. Noland TD, et al. **Biol Reprod** 1984 Aug;31(1):185–94
Proacrosin and the differentiation of the spermatozoa. Phi–Van L, et al. **Biol Reprod** 1983 Sep;29(2):479–86
Posttesticular surface modifications and contributions of reproductive tract fluids to the surface polypeptide composition of boar spermatozoa. Russell LD, et al. **Biol Reprod** 1984 May;30(4):959–78
Evaluation of the site of synthesis of rabbit sperm acrosome stabilizing factor using immunocytochemical and metabolic labeling techniques. Thomas TS, et al. **Biol Reprod** 1984 Apr;30(3):693–705
Calmodulin in mouse male germ cells: a qualitative and quantitative study. D'Agostino A, et al. **Cell Differ** 1983 Sep;13(1):35–40
Actin and RNA are components of the chromatoid bodies in spermatids of the rat. Walt H, et al. **Cell Tissue Res** 1984;236(2):487–90
Activation of respiration in sea urchin spermatozoa by calcium ionophore A23187. Mita M. **Comp Biochem Physiol [A]** 1984;77(4):689–92
Lactosaminoglycans synthesized by mouse male germ cells are fucosylated by an epididymal fucosyltransferase. Cossu G, et al. **Dev Biol** 1984 Apr;102(2):402–8
Involvement of Y chromosomal loci in the synthesis of Drosophila hydei sperm proteins. Hulsebos TJ, et al. **Dev Biol** 1983 Nov;100(1):238–43
Translational regulation and deadenylation of a protamine mRNA during spermiogenesis in the mouse. Kleene KC, et al. **Dev Biol** 1984 Sep;105(1):71–9
The effect of experimentally induced diabetes on the metabolism of glucose by seminiferous tubules and epididymal spermatozoa from the rat. Ford WC, et al. **Endocrinology** 1984 Aug;115(2):716–22
Transferrin binds specifically to pachytene spermatocytes. Holmes SD, et al. **Endocrinology** 1983 Nov;113(5):1916–8
Adenosine receptor localization in rat testes: biochemical and autoradiographic evidence for association with spermatocytes. Murphy KM, et al. **Endocrinology** 1983 Oct; 113(4):1299–305
DNA–damaging potential of diethylstilbestrol evaluated in the germ cell unscheduled DNA synthesis assay. Racine RR, et al. **Environ Mutagen** 1984;6(2):211–8
DNA packaging in mouse spermatids. Synthesis of protamine variants and four transition proteins. Balhorn R, et al. **Exp Cell Res** 1984 Feb;150(2):298–308
31P–NMR analysis of sea urchin sperm activation. Reversible formation of high energy phosphate compounds by changes in intracellular pH. Christen R, et al. **Exp Cell Res** 1983 Nov;149(1):289–94
Hyperacetylation of histone H4 in rat testis spermatids. Grimes SR Jr, et al. **Exp Cell Res** 1984 May;152(1):91–7
A 225 K dalton glycoprotein is the active core structure of the sperm–binding factor of the sea urchin, Anthocidaris

crassispina. Yoshida M, et al. **Exp Cell Res** 1983 Oct; 148(1):243–8

Selective binding of human cumulus cell–secreted glycoproteins to human spermatozoa during capacitation in vitro. Tesařik J, et al. **Fertil Steril** 1984 Jun;41(6):919–25

Cytochemical significance of acrosome labelling by radioactive sugars. Kopečny V, et al. **Histochem J** 1984 Apr;16(4):419–21

Amino acid and lipid composition of refringent granules from the ameboid sperm of Ascaris suum (Nematoda). Abbas MK, et al. **Histochemistry** 1984;81(1):59–65

Localization of lectin receptors on bovine epididymal spermatozoa using a colloidal gold technique. Sinowatz F, et al. **Histochemistry** 1983;79(3):335–44

Binding of fluorescein isothiocyanate conjugated lectins to rat spermatogenic cells in tissue sections. Enhancement of lectin fluorescence obtained by fixation in Bouin's fluid. Söderström KO, et al. **Histochemistry** 1984;80(6):575–9

The action of (R)- and (S)-alpha-chlorohydrin and their metabolites on the metabolism of boar sperm. Stevenson D, et al. **Int J Androl** 1984 Feb;7(1):79–86

The binding patterns of antisera to sex steroids and human gonadotropins on human and rhesus monkey spermatozoa. Allag IS, et al. **J Androl** 1983 Nov–Dec;4(6):415–20

Specific binding of the glycosaminoglycan 3H–heparin to bull, monkey, and rabbit spermatozoa in vitro. Handrow RR, et al. **J Androl** 1984 Mar–Apr;5(2):51–63

Characterization of basal and methylxanthine–stimulated Ca2+ transport in abalone spermatozoa. Kopf GS, et al. **J Biol Chem** 1984 May 10;259(9):5514–20

Sodium and proton transport in flagella isolated from sea urchin spermatozoa. Lee HC. **J Biol Chem** 1984 Apr 25; 259(8):4957–63

Regulation of calcium content in bovine spermatozoa. Rufo GA Jr, et al. **J Biol Chem** 1984 Feb 25;259(4):2547–52

The relationship between motility and the FITC–BSA binding properties of mouse epididymal spermatozoa. Stanger JD, et al. **J Exp Zool** 1983 Aug;227(2):323–7

Effect of incubation conditions, inhibitors and seminal plasma on protein synthesis in ram spermatozoa. Ahmed NA, et al. **J Reprod Fertil** 1984 May;71(1):213–9

Analysis of surface proteins of rat spermatozoa during epididymal transit and identification of antigens common to spermatozoa, rete testis fluid and cauda epididymal plasma. Brooks DE, et al. **J Reprod Fertil** 1984 May; 71(1):249–57

Distribution of carnitine and acylcarnitine in the hamster epididymis and in epididymal spermatozoa during maturation. Casillas ER, et al. **J Reprod Fertil** 1984 Sep; 72(1):197–201

Immunochemical investigation of the interaction of egg–yolk lipoproteins with bovine spermatozoa. Cookson AD, et al. **J Reprod Fertil** 1984 Mar;70(2):599–604

D–[1–14C]mannitol and [U–14C]sucrose as extracellular space markers for human spermatozoa and the uptake of 2–deoxyglucose. Ford WC, et al. **J Reprod Fertil** 1983 Nov; 69(2):479–87

Alteration of free sulphydryl content of rat sperm heads by suppression of intratesticular testosterone. Huang HF, et al. **J Reprod Fertil** 1984 Jan;70(1):31–8

Effect of pH on the metabolism and fertility of turkey spermatozoa. Pinto O, et al. **J Reprod Fertil** 1984 Mar; 70(2):437–42

Mechanism of inhibition by gossypol of glycolysis and motility of monkey spermatozoa in vitro. Stephens DT, et al. **J Reprod Fertil** 1983 Nov;69(2):447–52

Metabolism of fowl and turkey spermatozoa at low temperatures. Wishart GJ. **J Reprod Fertil** 1984 Jan; 70(1):145–9

Nuclear androgen binding sites in the male rat. III. Late spermatids and spermatozoa in the testis, with an introduction to epididymal spermatozoa. Frankel AI, et al. **J Steroid Biochem** 1984 Jun;20(6A):1301–11

Methylation of satellite sequences in mouse spermatogenic and somatic DNAs. Ponzetto–Zimmerman C, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2807–22

Steroid metabolism by monkey and human spermatozoa. Rajalakshmi M, et al. **Steroids** 1983 May;41(5):587–95

[Relation between spermatozoids and reducing sugars (glucose and fructose) in human seminal fluid] Montagnon D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(8):819–23 (Eng. Abstr.) **(Fre)**

[Binding of 8–methoxysporalen to isolated human spermatozoa in darkness and following UVA irradiation in vitro] Meffert H, et al. **Dermatol Monatsschr** 1984; 170(6):367–70 (Eng. Abstr.) **(Ger)**

[Peculiarities of the amino acid composition, spatial organization and interaction with DNA of histones H1 from calf thymus and carp spermatozoa] Khrapunov SN, et al. **Biokhimiia** 1983 Jul;48(7):1085–94 (Eng. Abstr.) **(Rus)**

[Cytochemical characteristics of bovine spermatozoa after various periods of cryopreservation] Zakhidov ST, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar–Apr;(2):242–9 (Eng. Abstr.) **(Rus)**

[DNP complex of the spermatogenic cells of rats with hypovitaminosis A] Pozniakov SP, et al. **Ontogenez** 1984 Jan–Feb;15(1):81–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Mycoplasmic localization patterns on spermatozoa from infertile men. Busolo F, et al. **Fertil Steril** 1984 Sep; 42(3):412–7

In vitro tests of the adherence of Chlamydia trachomatis to human spermatozoa. Wølner–Hanssen P, et al. **Fertil Steril** 1984 Jul;42(1):102–7

Alternative causes of pelvic inflammatory disease. Toth A. **J Reprod Med** 1983 Oct;28(10 Suppl):699–702

Adsorption to fish sperm of vertically transmitted fish viruses. Mulcahy D, et al. **Science** 1984 Jul 20;225(4659):333–5

[Bacteriological sperm status of 1000 patients with chronic nonspecific prostatitis treated at the physiotherapy and balneotherapy clinic in Pomiriye] Petkov P, et al. **Akush Ginekol (Sofiia)** 1984;23(2):179–82 (Eng. Abstr.) **(Bul)**

[Is the sperm bacteriology important for the results of in vitro fertilization?] Riedel HH, et al. **Andrologia** 1984 May–Jun;16(3):259–64 (Eng. Abstr.) **(Ger)**

[Studies on the mycotic and bacterial risk of contamination and the use of nipagin in the artificial insemination of cryosperm] Glander HG, et al. **Zentralbl Gynakol** 1984; 106(9):573–84 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The flow cytometry for diagnosis of male fertility. Hartmann W, et al. **Acta Histochem (Jena)** 1983;73(2):243–9

Morphological alterations of bull spermatozoa during freezing and thawing. Ibrahim MA, et al. **Acta Vet Acad Sci Hung** 1982;30(4):235–42

Effects of deep–freezing on boar sperm. Ibrahim MA, et al. **Acta Vet Acad Sci Hung** 1982;30(4):243–55

Experimental production of spermatic granuloma in Balb/c mice. Ball RY. **Andrologia** 1984 Jul–Aug;16(4):342–9

Biochemical and genetic investigation of round–headed spermatozoa in infertile men including two brothers and their father. Flörke–Gerloff S, et al. **Andrologia** 1984 May–Jun;16(3):187–202

Cryptorchidism and testis cancer. Atypical infantile germ cells followed by carcinoma in situ and invasive carcinoma in adulthood. Müller J, et al. **Cancer** 1984 Aug 15; 54(4):629–34

Genetic abnormalities in CD–1 mice after dietary restriction. Anderson D, et al. **Dev Toxicol Environ Sci** 1983;11:541–4

A test for the practical evaluation of male fertility by acridine orange (AO) fluorescence. Tejada RI, et al. **Fertil Steril** 1984 Jul;42(1):87–91

Morphology of spermatozoa in infertile men with and without varicocele. Portuondo JA, et al. **J Androl** 1983 Sep–Oct;4(5):312–5

[Morphological and biochemical studies of the ejaculate of patients with idiopathic varicocele and infertility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1983;22(3):224–8 (Eng. Abstr.) **(Bul)**

[Presence of spermatozoa in hydrocele fluid (letter)] Gonzales J, et al. **Presse Med** 1984 Sep 1–8;13(30):1850 **(Fre)**

PHYSIOLOGY

Ways of interaction between human cervical mucus and sperm. Emperaire JC. **Acta Eur Fertil** 1983 May–Jun; 14(3):173–9

A. I. bulls' seminal plasma enzyme activities as indicators of spermatozoa motility, fertility and freezability. Ibrahim MA. **Acta Vet Acad Sci Hung** 1982;30(4):227–33

Canine gestation length: variation related to time of mating and fertile life of sperm. Concannon P, et al. **Am J Vet Res** 1983 Oct;44(10):1819–21

Response of epididymal duct to the temporary depletion of spermatozoa induced by testicular irradiation in mice. Abe K, et al. **Anat Rec** 1983 Sep;207(1):17–24

A cytochemical study on surface charges and lectin–binding sites in epididymal and ejaculated spermatozoa of Macaca fascicularis. Fain–Maurel MA, et al. **Anat Rec** 1984 Mar; 208(3):375–82

The effect of a single sauna exposure on spermatozoa. Brown–Woodman PD, et al. **Arch Androl** 1984;12(1):9–15

Relationships of seminal plasma prolactin with spermatozoal characteristics and fertilizing capacity in vitro. Chan SY, et al. **Arch Androl** 1984;12(1):17–24

Lack of effect of exogenous prolactin on the fertilizing capacity of human spermatozoa in vitro. Chan SY, et al. **Arch Androl** 1984;12(1):85–9

Re–evaluation of the role of spermatozoa as inducers of protein synthesis by the rabbit endometrium. Hernández–Pérez O, et al. **Arch Androl** 1983 Dec; 11(3):239–43

Rapid microcomputer–based analysis of semen characteristics from photographs taken by the MEP method. Makler A, et al. **Arch Androl** 1984;12(1):91–5

Minimal requirements for ejaculates used for in vitro fertilization. Riedel HH, et al. **Arch Androl** 1984;12(1):69–77

Structure and action of sperm activating peptides from the egg jelly of a sea urchin, Anthocidaris crassispina. Nomura K, et al. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):147–53

Program for the sixteenth annual meeting of the Society for the Study for Reproduction. Including a symposium on frontiers in gametogenesis. Cleveland, Ohio, August 7 – 10, 1983. Abstracts. **Biol Reprod** 1983;28 Suppl 1:1–175

Movement characteristics and acrosomal status of rabbit spermatozoa recovered at the site and time of fertilization. Suarez SS, et al. **Biol Reprod** 1983 Dec;29(5):1277–87

The importance of hydrolytic enzymes to an exocytotic event, the mammalian sperm acrosome reaction. Meizel S. **Biol Rev** 1984 Feb;59(1):125–57 (130 ref.)

Is conventional sperm analysis of any use? Hargreave TB, et al. **Br J Urol** 1983 Dec;55(6):774–9

Penetration rate of chilled and frozen sperms from Jersey bulls and levels of certain electrolytes in the oestrous mucus of cows. Kumar Y, et al. **Br Vet J** 1983 Sep–Oct; 139(5):452–5

Transmission distortion and mosaicism in an unusual transgenic mouse pedigree. Palmiter RD, et al. **Cell** 1984 Apr;36(4):869–77

Flagellar motility requires the cAMP–dependent phosphorylation of a heat–stable NP–40–soluble 56 kd protein, axokinin. Tash JS, et al. **Cell** 1984 Sep;38(2):551–9

Capacitation and the acrosome reaction in guinea pig spermatozoa increase the availability of surface aminophospholipids for labelling by trinitrobenzene sulphonate. Elliott M, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):1091–6

Three–dimensional bend propagation in hamster sperm models and the direction of roll in free–swimming cells. Yeung CH, et al. **Cell Motil** 1984;4(3):215–26

The molecular basis of sperm–egg interaction in the sea urchin. Rossignol DP, et al. **Ciba Found Symp** 1983; 98:268–96

Comparison of three cryoprotective solutions for human semen. Peek JC, et al. **Clin Reprod Fertil** 1982 Dec; 1(4):301–5

Studies of human seminal parameters with frequent ejaculation. I. Clinical characteristics. Tyler JP, et al. **Clin Reprod Fertil** 1982 Dec;1(4):273–85

Studies of human seminal parameters with frequent ejaculation II. Spermatozoal vitality and storage. Tyler JP, et al. **Clin Reprod Fertil** 1982 Dec;1(4):287–93

Viability of ram testicular spermatozoa following cryopreservation in rete testis fluid. Voglmayr JK, et al. **Cryobiology** 1983 Aug;20(4):421–31

Selective elimination of chromosomally unbalanced zygotes at the two–cell stage in the Chinese hamster. Sonta S, et al. **Cytogenet Cell Genet** 1984;38(1):5–13

Rotational and translational swimming of human spermatozoa: a dynamic laser light scattering study. Rigler R, et al. **Cytometry** 1984 Jul;5(4):327–32

Sodium–dependent pH regulation in active sea urchin sperm. Bibring T, et al. **Dev Biol** 1984 Feb;101(2):425–35

Transformations of sperm nuclei incorporated into sea urchin (Arbacia punctulata) embryos at different stages of the cell cycle. Longo FJ. **Dev Biol** 1984 May;103(1):168–81

Voltage clamp studies of fertilization in sea urchin eggs. I. Effect of clamped membrane potential on sperm entry, activation, and development. Lynn JW, et al. **Dev Biol** 1984 Mar;102(1):98–109

Controversy over the fast, partial, temporary block to polyspermy in sea urchins: a reevaluation. Nuccitelli R, et al. **Dev Biol** 1984 May;103(1):1–17

Remodeling of sperm chromatin following fertilization: nucleosome repeat length and histone variant transitions in the absence of DNA synthesis. Poccia D, et al. **Dev Biol** 1984 Aug;104(2):274–86

Evidence for the participation of two sperm proteases, spermosin and acrosin, in fertilization of the ascidian, Halocynthia roretzi: inhibitory effects of leupeptin analogs on enzyme activities and fertilization. Sawada H, et al. **Dev Biol** 1984 Sep;105(1):246–9

Transmission ratio distortion of mouse t haplotypes is not a consequence of wild–type sperm degeneration. Silver LM, et al. **Dev Biol** 1984 Sep;105(1):250–2

Determination of the time course of capacitation in mouse spermatozoa using a chlortetracycline fluorescence assay. Ward CR, et al. **Dev Biol** 1984 Aug;104(2):287–96

Investigations on the relationship between sperm fertilizing ability and androgen–binding protein in the restricted rat. Anthony CT, et al. **Endocrinology** 1984 Apr;114(4):1413–8

Investigations on the relationship between sperm fertilizing ability and androgen–binding protein in the hypophysectomized, pregnenoloneenolone–injected rat. Anthony CT, et al. **Endocrinology** 1984 Apr;114(4):1419–25

Vitamin A and follicle–stimulating hormone synergistically induce differentiation of type A spermatogonia in adult mouse cryptorchid testes in vitro. Haneji T, et al. **Endocrinology** 1984 Mar;114(3):801–5

Lack of effect of dibromochloropropane on the mouse testis. Oakberg EF, et al. **Environ Mutagen** 1984;6(4):621–5

Spindle membranes in mitosis and meiosis of the heteropteran insect Dysdercus intermedius. A study of the interrelationship of spindle architecture and the kinetic organization of chromosomes. Motzko D, et al. **Eur J Cell Biol** 1984 Mar;33(2):205–16

Study of the interaction between germ cells and Sertoli cells in vitro. D'Agostino A, et al. **Exp Cell Res** 1984 Feb; 150(2):430–5

A fucosyl glycoprotein component with sperm receptor and sperm–activating activities from the vitelline coat of Ciona intestinalis eggs. De Santis R, et al. **Exp Cell Res** 1983 Oct 15;148(2):508–13

The germinal vesicle material required for sperm pronuclear formation is located in the soluble fraction of egg cytoplasm. Lohka MJ, et al. **Exp Cell Res** 1983 Oct 15; 148(2):481–91

Rapid immunoassays for the acrosome reaction of sea urchin sperm utilizing antibody to bind[illegible] Vacquier VD. **Exp Cell Res** 1984 Aug;153(2):2[illegible]6

Sperm penetration assay [letter] Barros C, et al. **Fertil Steril** 1984 Mar;41(3):490–1
Clinical tests of sperm fertilizing ability. Blasco L. **Fertil Steril** 1984 Feb;41(2):177–92 (89 ref.)
Selection of human spermatozoa according to their relative motility and their interaction with zona-free hamster eggs. Forster MS, et al. **Fertil Steril** 1983 Nov;40(5):655–60
Human sperm penetration in bovine cervical mucus clinical studies. II. Use of split ejaculates. Kotoulas IG, et al. **Fertil Steril** 1984 Aug;42(2):268–73
Successful fertilization in vitro of fresh intact oocytes by perivitelline (acrosome-reacted) spermatozoa of the rabbit. Kuzan FB, et al. **Fertil Steril** 1984 May;41(5):766–70
Acrosome reaction of human sperm used for in vitro fertilization. Plachot M, et al. **Fertil Steril** 1984 Sep; 42(3):418–23
Motility and fertilization capability of mouse and toad (Xenopus laevis) chlorpromazine-treated spermatozoa. Sliwa L. **Folia Biol (Krakow)** 1983;31(4):381–91
Role of testosterone in maintenance of motility & fertilizing ability of spermatozoa in isolated epididymis of castrated rats. Warikoo PK, et al. **Indian J Exp Biol** 1983 May; 21(5):237–41
A prospective study of the relationship between semen quality and fertility in cases of unexplained infertility. Aitken RJ, et al. **J Androl** 1984 Jul–Aug;5(4):297–303
Organ culture of rat caput epididymal tubules in a perifusion chamber. Klinefelter GR, et al. **J Androl** 1984 Jul–Aug; 5(4):243–58
Heterologous ovum penetration test and seminal parameters in fertile and infertile men. Wickings EJ, et al. **J Androl** 1983 Jul–Aug;4(4):261–71
Evaluation of two seminal collection regimens for mature Holstein bulls. Lorton SP, et al. **J Anim Sci** 1984 Jan; 58(1):1–5
Phalloidin enhances actin assembly by preventing monomer dissociation. Coluccio LM, et al. **J Cell Biol** 1984 Aug; 99(2):529–35
Generation of flagella by cultured mouse spermatids. Gerton GL, et al. **J Cell Biol** 1984 Feb;98(2):619–28
Roles of cytosol and cytoplasmic particles in nuclear envelope assembly and sperm pronuclear formation in cell-free preparations from amphibian eggs. Lohka MJ, et al. **J Cell Biol** 1984 Apr;98(4):1222–30
Three-dimensional geometry of motile hamster spermatozoa. Woolley DM, et al. **J Cell Sci** 1984 Apr;67:159–70
Effect of thaw rates on survival of buffalo spermatozoa frozen straws. Ahmad K. **J Dairy Sci** 1984 Jul;67(7):1535–8
Thawing optimums for bovine spermatozoa processed by three methods and packaged in Continental and French straws. Chandler JE, et al. **J Dairy Sci** 1984 Feb; 67(2):398–404
Sperm survival and transport in the female reproductive tract. Hawk HW. **J Dairy Sci** 1983 Dec;66(12):2645–60 (104 ref.)
Semen quality in relation to semen preservation. Saacke RG. **J Dairy Sci** 1983 Dec;66(12):2635–44 (56 ref.)
Movements and active moments of bull sperm flagella as a function of temperature and viscosity. Rikmenspoel R. **J Exp Biol** 1984 Jan;108:205–30
Transport of spermatozoa in the sheep oviduct: preovulatory sequestering of cells in the caudal isthmus. Hunter RH, et al. **J Exp Zool** 1983 Oct;228(1):121–8
In vitro induction of sperm nucleus decondensation by cytosol from mature toad eggs. Iwao Y, et al. **J Exp Zool** 1984 Apr;230(1):115–24
Evidence for specific binding of uncapacitated boar spermatozoa to porcine zonae pellucidae in vitro. Peterson RN, et al. **J Exp Zool** 1984 Jul;231(1):137–47
Mechanisms of flagellar motility deduced from backward-swimming bull sperm. Phillips DM, et al. **J Exp Zool** 1984 Jul;231(1):109–16
Correlation of increased intraacrosomal pH with the hamster sperm acrosome reaction. Working PK, et al. **J Exp Zool** 1983 Jul;227(1):97–107
A study of bend formation in locally reactivated hamster sperm flagella. Yeung CH, et al. **J Muscle Res Cell Motil** 1983 Dec;4(6):625–45
Stimulation of sperm motility and oxygen consumption of fowl spermatozoa by a low molecular weight fraction of seminal plasma. Ashizawa K, et al. **J Reprod Fertil** 1984 Jul;71(2):593–8
Influence of complement depletion on sperm function in the female rabbit. Bedford JM, et al. **J Reprod Fertil** 1983 Nov; 69(2):523–8
The occurrence of spermiophagy under natural conditions in the cauda epididymidis of the Cape horseshoe bat (Rhinolophus capensis). Bernard RT. **J Reprod Fertil** 1984 Jul;71(2):539–43
Fertilizing rabbit spermatozoa are not selected as a special population by the female tract. Foldesy RG, et al. **J Reprod Fertil** 1984 Jan;70(1):75–82
Potassium ions modulate expression of mouse sperm fertilizing ability, acrosome reaction and hyperactivated motility in vitro. Fraser LR. **J Reprod Fertil** 1983 Nov; 69(2):539–53
Sodium requirement for capacitation and membrane fusion during the guinea-pig sperm acrosome reaction. Hyne RV, et al. **J Reprod Fertil** 1984 Jan;70(1):83–94
Development of an assay to assess the functional integrity of the human sperm membrane and its relationship to other semen characteristics. Jeyendran RS, et al. **J Reprod Fertil** 1984 Jan;70(1):219–28
Effect of sperm concentration during preincubation in a defined medium on fertilization in vitro of pig follicular oocytes. Nagai T, et al. **J Reprod Fertil** 1984 Jan; 70(1):271–5
Human sperm characteristics during frequent ejaculation. Oldereid NB, et al. **J Reprod Fertil** 1984 May;71(1):135–40
The functional competence of human spermatozoa recovered after vasectomy. Richardson DW, et al. **J Reprod Fertil** 1984 Mar;70(2):575–9
Spermiogram and sperm reserves in hybrid Bos indicus X Bos taurus bulls after scrotal insulation. Wildeus S, et al. **J Reprod Fertil** 1983 Nov;69(2):711–6
Alloplastic spermatocele: diffusion across the allograft material and survival of spermatozoa in vitro and in vivo. Turner TT, et al. **J Urol** 1984 Sep;132(3):591–4
Isolation and characterization of a sperm-specific gene family in the nematode Caenorhabditis elegans. Klass MR, et al. **Mol Cell Biol** 1984 Mar;4(3):529–37
Seminal lymphocytes, plasma and AIDS [letter] **Nature** 1984 May 10–16;309(5964):116–7
Lithium reversibly inhibits microtubule-based motility in sperm flagella. Gibbons BH, et al. **Nature** 1984 Jun 7–13; 309(5968):560–2
Effects of oviducal cells on the maintenance of motility and fertilizing capacity of fowl spermatozoa stored in a diffusion chamber. Ashizawa K, et al. **Poult Sci** 1983 Nov; 62(11):2276–9
Effects of prefreeze treatments on the fertilizing capacity of unfrozen and frozen chicken semen: extender characteristics and dilution method. Duplaix M, et al. **Poult Sci** 1983 Nov;62(11):2255–60
Beltsville poultry semen extender. 9. Effect of storage temperature on turkey semen held eighteen hours. Giesen AF, et al. **Poult Sci** 1983 Jul;62(7):1305–11
Effect of temperature and method of semen collection on the viability of turkey spermatozoa. Sexton TJ. **Poult Sci** 1984 Apr;63(4):844–6
Oxygen consumption rate as a measurement of freeze-induced damage to chicken spermatozoa. Terada T, et al. **Poult Sci** 1983 Nov;62(11):2271–5
Time and voltage windows for reversing the electrical block to fertilization. Shen SS, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1436–9
An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):83–107
[Selective filtration of abnormal spermatozoa through the cervical mucus in vitro] Satnislavov R, et al. **Akush Ginekol (Sofiia)** 1983;22(3):228–31 (Eng. Abstr.) **(Bul)**
[Evaluation of a test to determine the penetrating capacity of spermatozoa in cervical mucus in flat capillary tubes in vitro] Stanislavov R, et al. **Akush Ginekol (Sofiia)** 1984; 23(3):256–60 (Eng. Abstr.) **(Bul)**
[Use of sperm older than 24 hours in the artificial insemination of pigs] Aalbers JG, et al. **Tijdschr Diergeneeskd** 1984 May 1;109(9):361 **(Dut)**
[Survival of motile spermatozoa in a medium based on lactate, glucose and phosphate] Chalet M, et al. **C R Seances Acad Sci [III]** 1983;297(5):251–4 (Eng. Abstr.) **(Fre)**
[A glimpse of the current knowledge on the physiology of the epididymis] Hacker P. **J Urol (Paris)** 1984;90(1):57–61 (51 ref.) (Eng. Abstr.) **(Fre)**
[The importance of sperm quality for in vitro fertilization—results of studies in human systems and zona pellucida-free hamster cell system] Riedel HH, et al. **Andrologia** 1983;15 Spec No:595–604 (Eng. Abstr.) **(Ger)**
[What is a spermiogram?] Schirren C. **Andrologia** 1983 Jul–Aug;15(4):404–6 (Eng. Abstr.) **(Ger)**
[Effect of different freezing and thawing rates on the fertilizing capacity of deep-frozen trout sperm] Stein H. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):138–9 (Eng. Abstr.) **(Ger)**
[Vaccination of boars against Aujeszky's disease. I. Spermatological findings during vaccination against Aujeszky's disease and in a subsequent infection trial] Gaus J, et al. **DTW** 1984 Mar 8;91(3):98–100 (Eng. Abstr.) **(Ger)**
[Function of the hematotesticular barrier and of developing germ cells in short-term ischemia of the testes] Parashchin VM. **Arkh Anat Gistol Embriol** 1984 Jan;86(1):100–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Analysis of sperm function in Kartagener's syndrome. Aitken RJ, et al. **Fertil Steril** 1983 Nov;40(5):696–8

RADIATION EFFECTS

Effects of S-2(3-aminopropylamino) ethylphosphorothioic acid (WR-2721) on the sensitivity of mouse spermatogonia A to radiation. Jaimala, et al. **Acta Radiol [Oncol]** 1984; 23(1):65–8
Dumpy mutations following X-irradiation of Drosophila melanogaster mature sperm in oxygen or in nitrogen. Miyamoto T. **Genetics** 1982 Dec;102(4):783–94
Prevention and/or reversibility by colchicine of genetic damage induced by gamma-radiation in the germ cells of mice: possible relevance to prostaglandin involvement. Das UN, et al. **Int J Tissue React** 1984;6(1):57–9
Action spectrum for changes in spindle fibre birefringence after ultraviolet microbeam irradiations of single chromosomal spindle fibres in crane-fly spermatocytes. Sillers PJ, et al. **J Cell Sci** 1983 Jul;62:1–25
Prometaphasc forces towards opposite spindle poles are not independent: an on/off control system is identified by ultraviolet microbeam irradiations. Sillers PJ, et al. **J Cell Sci** 1983 Nov;64:69–88
Chromosomal studies on radiation-induced gynogenesis and diploid gynogenesis in the fish Oryzias latipes. Ijiri K. **J Radiat Res (Tokyo)** 1983 Jun;24(2):184–95
Quality and frequency patterns of gamma- and neutron-induced visible mutations in Drosophila spermatozoa. Alexandrov ID. **Mutat Res** 1984 Jul; 127(2):123–7
Early mouse embryos exhibit strain variation in radiation-induced sister-chromatid exchange: relationship with DNA repair. Bennett J, et al. **Mutat Res** 1984 Apr; 126(2):153–7
Evidence for the re-establishment of a heterogeneity in radiosensitivity among spermatogonial stem cells repopulating the mouse testis following depletion by X-rays. Cattanach BM, et al. **Mutat Res** 1984 Jun; 127(1):81–91
Synaptonemal complexes as indicators of induced structural change in chromosomes after irradiation of spermatogonia. Cawood AH, et al. **Mutat Res** 1983 Nov;122(2):149–54
Response of mouse spermatogonial stem cells to X-ray induction of heritable reciprocal translocations. Generoso WM, et al. **Mutat Res** 1984 Apr;126(2):177–87
Induction of congenital malformations in the offspring of male mice treated with X-rays at pre-meiotic and post-meiotic stages. Kirk KM, et al. **Mutat Res** 1984 Jan; 125(1):75–85
Sperm count and sperm abnormality in male mice after exposure to 2.45 GHz microwave radiation. Kowalczuk CI, et al. **Mutat Res** 1983 Nov;122(2):155–61
Chemical protection against genetic effect of radiation in male mice. Pomerantseva MD, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):131–5
Genetic effects of radiocarbon in reproductive cells of male mice. Pomerantseva MD, et al. **Mutat Res** 1983 Dec; 122(3–4):341–6
Effects of unequally fractionated X-ray exposures on the induction of chromosomal rearrangements in mouse spermatogonia. van Buul PP, et al. **Mutat Res** 1984 Jun; 127(1):65–72
Enhanced radiosensitivity for the induction of translocations in mouse stem cell spermatogonia following treatment with cyclophosphamide or adriamycin. van Buul PP. **Mutat Res** 1984 Sep;128(2):207–11
Strain differences in the response of mouse testicular stem cells to fractionated radiation. Meistrich ML, et al. **Radiat Res** 1984 Mar;97(3):478–87
Response to fission neutron irradiation of spermatogonial stem cells in different stages of the cycle of the seminiferous epithelium. van Beek ME, et al. **Radiat Res** 1984 Mar; 97(3):556–69
[Varying RGE for gene and structural mutations of intermediate (Ecp=0.35 MeV) neutrons in the irradiation of Drosophila sperm] Aleksandrov ID. **Dokl Akad Nauk SSSR** 1984;275(2):483–6 **(Rus)**
[Mutagenic action of tritium on the germ cells of male mice. I. The induction of dominant lethal mutations by tritium oxide and an assessment of its relative biological effectiveness] Balonov MI, et al. **Genetika (Moskva)** 1984 Feb;20(2):224–32 (Eng. Abstr.) **(Rus)**
[Quantitative dose-effect relationships of the mutagenic action of X-rays on the sex cells of the malaria mosquito Anopheles messeae] Pleshkova GN, et al. **Genetika (Moskva)** 1983 Aug;19(8):1233–7 (Eng. Abstr.) **(Rus)**
[Mutagenic action of tritium on the germ cells of male mice. II. The genetic damages in stem spermatogonia induced by tritium oxide and gamma radiation] Pomerantseva MD, et al. **Genetika (Moskva)** 1984 May;20(5):782–7 (Eng. Abstr.) **(Rus)**
[Relative biological effectiveness of tritium oxide by the criterion of death of the germ cells in mice] Balonov MI, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):114–7 (Eng. Abstr.) **(Rus)**
[Genetic effect of 14C incorporated into the male germ cells of mice. Long-term and chronic 14C-glucose administration] Ramaiia LK, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):117–20 (Eng. Abstr.) **(Rus)**

SECRETION

Evidence of protein secretion by cultured pachytene spermatocytes. Galdieri M, et al. **Cell Differ** 1983 Sep; 13(1):49–55

ULTRASTRUCTURE

Segregation of chromosomes into the spermatozoa of a man heterozygous for a 14;21 Robertsonian translocation. Balkan W, et al. **Am J Med Genet** 1983 Oct;16(2):169–72
Ultrastructure of spermatozoa of the Asiatic elephant (Elephas maximus). Heath E, et al. **Anat Histol Embryol** 1983 Sep;12(3):245–52
Disposition of the manchette in the normal equine spermatid. Goodrowe KL, et al. **Anat Rec** 1984 Jun;209(2):177–83

Acrosomo-nuclear syndrome in canine sperm. Hrudka F. **Andrologia** 1983 Jul-Aug;15(4):310-21
Ultrastructure of a tail stump sperm defect in an Ayrshire bull. Vierula M, et al. **Andrologia** 1983 Jul-Aug;15(4):303-9
Mosaicism of dyncin in spermatozoa and cilia and fibrous sheath aberrations in an infertile man. Walt H, et al. **Andrologia** 1983 Jul-Aug;15(4):295-300
Effect of cryopreservation on the nuclear chromatin decondensation ability of human spermatozoa. Huret JL. **Arch Androl** 1984;12(1):33-8
Technique to examine human sperm chromosomes using zona-free hamster eggs. Wramsby H, et al. **Arch Androl** 1984;12(1):79-83
Effects of in vitro storage on the ATP-phosphohydrolase activity and ultrastructure of ejaculated bull sperm. Young LG, et al. **Arch Androl** 1983 Oct;11(2):115-21
Analysis of pore-rich areas on the nuclear envelope of spermatocytes. Couve E. **Biol Cell** 1984;50(2):195-8
Human spermatozoa with large heads and multiple flagella: a quantitative ultrastructural study of 6 cases. Escalier D. **Biol Cell** 1983;48(1):65-74
Ultrastructural morphometry of the human sperm flagellum with a stereological analysis of the lengths of the dense fibres. Serres C, et al. **Biol Cell** 1983;49(2):153-61
Purification and partial characterization of plasma membranes from bovine spermatozoa. Noland TD, et al. **Biol Reprod** 1983 Nov;29(4):987-98
Dictyosome-like structures present in human testicular cells. Morré DJ, et al. **Cell Biol Int Rep** 1984 Mar;8(3):227-9
A method for obtaining pure mitochondrial preparation from sea urchin sperms. Rinaldi AM, et al. **Cell Biol Int Rep** 1983 Nov;7(11):915-21
Spermiogenesis in the rainbow trout (Salmo gairdneri). An ultrastructural study. Billard R. **Cell Tissue Res** 1983; 233(2):265-84
Scanning electron-microscopical study of epididymal secretions in the lizard Lacerta vivipara (Reptilia, Squamata) and of their relationships with spermatozoa. Dufaure JP, et al. **Cell Tissue Res** 1983;234(2):403-9
Reproduction and sexual development in a freshwater gastrotrich. 2. Kinetics and fine structure of postparthenogenic sperm formation. Hummon MR. **Cell Tissue Res** 1984;236(3):619-28
Laminated figures of the intercisternal regions of dictyosome-like structures from guinea-pig spermatocytes fixed with glutaraldehyde-tannic acid. Mollenhauer HH, et al. **Cell Tissue Res** 1983;234(3):633-9
The ultrastructure of an intraspindle membrane system in meiosis of spider spermatocytes. Wise D. **Chromosoma** 1984;90(1):50-6
Analysis of human sperm chromosome complements from a male heterozygous for a reciprocal translocation t(11;22)(q23;q11). Martin RH. **Clin Genet** 1984 Apr; 25(4):357-61
Selection of high fertility donors for artificial insemination programmes. McGowan MP, et al. **Clin Reprod Fertil** 1983 Dec;2(4):269-74
Sperm chromosome analysis of a man heterozygous for a pericentric inversion of chromosome 3. Balkan W, et al. **Cytogenet Cell Genet** 1983;35(4):295-7
A detailed method for obtaining preparations of human sperm chromosomes. Martin RH. **Cytogenet Cell Genet** 1983; 35(4):252-6
Sperm nuclear dispersion coordinate with meiotic maturation in fertilized Spisula solidissima eggs. Chen DY, et al. **Dev Biol** 1983 Sep;99(1):217-24
Decondensation of mouse sperm chromatin and reassembly into nucleosomes mediated by polyglutamic acid in vitro. Dean J. **Dev Biol** 1983 Sep;99(1):210-6
Effects of Ca2+ ions on the formation of metaphase chromosomes and sperm pronuclei in cell-free preparations from unactivated Rana pipiens eggs. Lohka MJ, et al. **Dev Biol** 1984 Jun;103(2):434-42
The role of disulfide bond reduction during mammalian sperm nuclear decondensation in vivo. Perreault SD, et al. **Dev Biol** 1984 Jan;101(1):160-7
Trout sperm chromatin. II. Ultrastructural aspects after salt dissociation of proteins. Tsanev R, et al. **Eur J Cell Biol** 1983 Jul;31(1):143-9
Observations on the dynamics of argyrophilic nucleolar material in the nuclei of mice spermatids. Czaker R. **Experientia** 1984 Sep 15;40(9):960-3
Relationship of fine structure of sperm head to fertility of frozen human semen. Mahadevan MM, et al. **Fertil Steril** 1984 Feb;41(2):287-93
Ultrastructural sperm tail defects associated with sperm immotility. Williamson RA, et al. **Fertil Steril** 1984 Jan; 41(1):103-7
Sex vesicle loss: a possible explanation of the excess of XO over XXY conceptuses in mice and men. Ashley T. **Hum Genet** 1983;65(2):209-10
Chromosomal abnormalities in human sperm: comparisons among four healthy men. Brandriff B, et al. **Hum Genet** 1984;66(2-3):193-201
Acrosin and the acrosome in human spermatogenesis. Flörke-Gerloff S, et al. **Hum Genet** 1983;65(1):61-7
Estimation of aneuploidy levels in human spermatozoa using chromosome specific probes and in situ hybridisation. Joseph AM, et al. **Hum Genet** 1984;66(2-3):234-8
Complete pachytene chromomere karyotypes of human spermatocyte bivalents. Luciani JM, et al. **Hum Genet** 1984; 66(2-3):267-71
A transmission electron microscopic study of fresh and frozen buffalo spermatozoa. Kakar SS, et al. **Indian J Exp Biol** 1984 Jan;22(1):11-7
Acrosomal damage and enzyme leakage during freeze preservation of buffalo spermatozoa. Kakar SS, et al. **Indian J Exp Biol** 1984 Jan;22(1):5-10
Lamellar germ cell processes: structures for possible interaction between germs cells and Sertoli cells during spermatogonial differentiation and early meiotic prophase. Ulvik NM. **Int J Androl** 1984 Apr;7(2):129-41
Selective uptake by the Sertoli cells of cytoplasm from normal spermatogonia in the rat testis. Ulvik NM. **Int J Androl** 1983 Aug;6(4):367-74
Identification of dictyosomelike structures (DLS) isolated from spermatocyte-enriched fractions of guinea pig testes. Morré DJ, et al. **Int J Fertil** 1983;28(4):206-12
Supernumerary microtubules and prolongation of the middle piece in two infertile patients. Sauvalle A, et al. **Int J Fertil** 1983;28(3):173-6
Membrane heterogeneity in the mammalian spermatozoon. Holt WV. **Int Rev Cytol** 1984;87:159-94 (203 ref.)
The structure and epididymal maturation of the spermatozoon of the common marmoset (Callithrix jacchus). Moore HD, et al. **J Anat** 1984 Mar;138 (Pt 2):227-35
Electron microscopic determination of the actin filament end at which cytochalasin B blocks monomer addition using the acrosomal actin bundle from horseshoe crab sperm. Mabuchi I. **J Biochem (Tokyo)** 1983 Oct;94(4):1349-52
Polypeptide composition of rat sperm outer dense fibers. A simple procedure to isolate the fibrillar complex. Vera JC, et al. **J Biol Chem** 1984 May 10;259(9):5970-7
High density of transmembrane glycoproteins on the flagellar surface of boar sperm cells. Aguas AP, et al. **J Cell Biol** 1984 Aug;99(2):655-60
Regionalization of transmembrane glycoproteins in the plasma membrane of boar sperm head is revealed by fracture-label. Aguas AP, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1356-64
A localized surface protein of guinea pig sperm exhibits free diffusion in its domain. Myles DG, et al. **J Cell Biol** 1984 May;98(5):1905-9
Distinct cytoskeletal domains revealed in sperm cells. Virtanen I, et al. **J Cell Biol** 1984 Sep;99(3):1083-91
Diffusion and regionalization in membranes of maturing ram spermatozoa. Wolf DE, et al. **J Cell Biol** 1984 May; 98(5):1678-84
The apical structure in Perophora annectens (tunicate) spermatozoa: fine structure, differentiation and possible role in fertilization. Fukumoto M. **J Cell Sci** 1984 Mar;66:175-87
Morphological and temporal sequence of meiotic prophase development at puberty in the male mouse. Goetz P, et al. **J Cell Sci** 1984 Jan;65:249-63
Cytometry of deoxyribonucleic acid content and morphology of mammalian sperm. Gledhill BL. **J Dairy Sci** 1983 Dec; 66(12):2623-34
Partially irreversible cold-induced lipid phase transitions in mammalian sperm plasma membrane domains: freeze-fracture study. Holt WV, et al. **J Exp Zool** 1984 Jun;230(3):473-83
Relationships between seasonal changes in serum testosterone concentrations, scrotal circumference and sperm morphology of male wapiti (Cervus elaphus). Haigh JC, et al. **J Reprod Fertil** 1984 Mar;70(2):413-8
Determination of the elongate spermatid-Sertoli cell ratio in various mammals. Russell LD, et al. **J Reprod Fertil** 1984 Mar;70(2):635-41
Sperm morphogenesis, structure and function in humans over 70 years old. Baccetti B, et al. **J Submicrosc Cytol** 1984 Jul;16(3):585-600
Substructure of the postacrosomal sheath of bovine spermatozoa. Olson GE, et al. **J Ultrastruct Res** 1983 Nov; 85(2):204-18
Ultrastructure of meiotic chromosomes in boys undergoing chemotherapy for leukemia. Berthelsen JG, et al. **Leuk Res** 1983;7(6):713-27
Further evaluation of a micronucleus method for detection of meiotic micronuclei in male germ cells of mammals. Tates AD, et al. **Mutat Res** 1984 Aug;140(4):187-91
Scanning electron microscopy of fowl oviducal cells and HeLa and BHK-21 cells incubated with or without fowl spermatozoa in vitro. Ashizawa K, et al. **Poult Sci** 1983 Aug;62(8):1711-4
Electron radiation damage in thin specimens prepared for X-ray microanalysis by cryoultramicrotomy, freeze substitution and normal resin embedding. Chandler JA. **Scan Electron Microsc** 1983;(Pt 4):2001-18
Nuclear pore complex in spermatogenesis of Beijing domestic duck. Electron microscope observation of freeze-etching. Huang ZP, et al. **Sci Sin [B]** 1984 Mar;27(3):265-72
Transformation of Hprt gene with sperm DNA. Venolia L, et al. **Somatic Cell Genet** 1983 Sep;9(5):617-27
Boar sperm cytoplasmic droplets: their ultrastructure, their numbers in the epididymis and at ejaculation and their removal during isolation of sperm plasma membranes. Kaplan M, et al. **Tissue Cell** 1984;16(3):455-68
Development of the acrosome and alignment, elongation and entrenchment of spermatids in procarbazine-treated rats. Russell LD, et al. **Tissue Cell** 1983;15(4):615-26
The frequency and morphology of 'giant spermatogonia' in the human testis. Sigg C, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):115-34
[Ultrastructure of the spermatozoon of the monogenean Hexostoma (Polyopisthocotylea, Hexostomatidae)] Justine JL, et al. **Ann Parasitol Hum Comp** 1984;59(3):227-9 (Eng. Abstr.) **(Fre)**
[In vitro decondensation of the human spermatozoan nucleus and image analysis] Pasteur X, et al. **C R Soc Biol (Paris)** 1983;177(4):536-52 (Eng. Abstr.) **(Fre)**
[Ultrastructure of intercellular bridges of male germ cells] Linares C. **Z Mikrosk Anat Forsch** 1983;97(2):245-64 (Eng. Abstr.) **(Ger)**
[Sequential observation of human sperm penetration into zona pellucida-free hamster oocytes by scanning electron microscopy] Tsuiki A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Oct; 35(10):1705-8 (Eng. Abstr.) **(Jpn)**
[Intercellular bridges between sex cells in the bull testicle] Kleiss C, et al. **Anat Histol Embryol** 1983 Sep;12(3):230-44 (Eng. Abstr.) **(Spa)**

SPERMICIDAL AGENTS see **SPERMATOCIDAL AGENTS**

SPERMIDINE

A pioneer synthesis of conjugates of a thymic peptide hormone and polyamines. Shieh HM, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):21-7
Ion competition and micrococcal nuclease digestion studies of spermidine-condensed calf thymus DNA. Evidence for torus organization by circumferential DNA wrapping. Marx KA, et al. **Biochim Biophys Acta** 1983 Dec 22; 741(3):279-87
The effects of alkali-metal chlorides and of spermidine and spermine on the swelling pressures of DNA gels in the ultracentrifuge. Richard AJ. **Biopolymers** 1984 Jul; 23(7):1307-13

ANALOGS & DERIVATIVES

Antineoplastic and antiherpetic activity of spermidine catecholamide iron chelators. Bergeron RJ, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):848-54
Structural specificity of the triamines sym-homospermidine and aminopropylcadaverine in stimulating growth of spermidine auxotrophs of Escherichia coli. Linderoth N, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):616-22
Selective elevation of the N1-acetylspermidine level in human colorectal adenocarcinomas. Takenoshita S, et al. **Cancer Res** 1984 Feb;44(2):845-7
Development of new hypoxic cell sensitizers: amides of nitrobenzoic acid with spermidine and spermine. Nagao Y, et al. **Experientia** 1983 Oct 15;39(10):1116-8
Radiosensitization of hypoxic HeLa S3 cells in vitro by a new type of radiosensitizer: spermine and spermidine amides with nitro groups. Murayama C, et al. **Int J Radiat Biol** 1983 Nov;44(5):497-503
Edeine A, edeine B, and guanidospermidine. Kurylo-Borowska Z, et al. **Methods Enzymol** 1983; 94:441-51
Glutathionylspermidine. Tabor H, et al. **Methods Enzymol** 1983;94:434-7
Metabolism of N1-acetylspermidine and N8-acetylspermidine in rats. Blankenship J, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):180-7
Specific sequestering agents for the actinides: 10. Enhancement of 238Pu elimination from mice by poly(catechoylamide) ligands. Durbin PW, et al. **Radiat Res** 1984 Jul;99(1):85-105
Removal of Pu and am from beagles and mice by 3,4,3-LICAM(C) or 3,4,3-LICAM(S). Lloyd RD, et al. **Radiat Res** 1984 Jul;99(1):106-28

BIOSYNTHESIS

Polyamine biosynthetic enzymes as targets in cancer chemotherapy. Heby O, et al. **Adv Enzyme Regul** 1984; 22:243-64
Cerebral polyamine metabolism: inhibition of spermidine biosynthesis by dicyclohexylamine. Porta R, et al. **J Neurochem** 1984 Feb;42(2):321-5

METABOLISM

Changes in diamine and polyamine metabolism in the duct-ligated submaxillary and sublingual glands of the rat. Ekström J, et al. **Acta Physiol Scand** 1983 Nov; 119(3):287-92
Structural specificity of the triamines sym-homospermidine and aminopropylcadaverine in stimulating growth of spermidine auxotrophs of Escherichia coli. Linderoth N, et al. **Biochem Biophys Res Commun** 1983 Dec 16; 117(2):616-22
Polyamine regulation of stringent control in a polyamine-auxotrophic strain of Escherichia coli. Goldemberg SH. **Biochem J** 1984 Apr 1;219(1):205-10
Decreased protein-synthetic activity is an early consequence of spermidine depletion in rat hepatoma tissue-culture cells. Rudkin BB, et al. **Biochem J** 1984 Feb 1;217(3):731-41
Activation of ADP-ribosyltransferase in polyamine-depleted mammalian cells. Wallace HM, et al. **Biochem J** 1984 Apr 1;219(1):211-21
Involvement of spermidine in proliferation and differentiation

of human promyelocytic leukemia cells. Sugiura M, et al. **Blood** 1984 May;63(5):1153–8

Time dependence of the potentiation of 1,3–bis(2–chloroethyl)–1–nitrosourea cytotoxicity caused by alpha–difluoromethylornithine–induced polyamine depletion in 9L rat brain tumor cells. Alhonen–Hongisto L, et al. **Cancer Res** 1984 May;44(5):1819–22

Relation between induction of rat hepatic ornithine decarboxylase activity by tumor promoters 12–O–tetradecanoylphorbol–13–acetate and phenobarbital and levels of the polyamines putrescine, spermidine and spermine, in vivo; differential effects of retinyl–acetate. Van Rooijen LA, et al. **Carcinogenesis** 1984 Feb;5(2):225–9

Radiochemical determination of polyamines in poliovirus and human rhinovirus 14. Fout GS, et al. **J Biol Chem** 1984 Mar 25;259(6):3639–43

Allylglycine affects acetylation of putrescine and spermidine in mouse brain. Ortiz JG, et al. **Neuropharmacology** 1983 Oct;22(10):1237–9

PHARMACODYNAMICS

Regulation of the activation of chloroplast fructose–1,6–bisphosphatase: inhibition by spermidine and spermine. Corley E, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):707–14

Spermidine and spermine stimulate the activity of T4–DNA ligase. Pösö H, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):217–22

Polyamine requirement for prolactin action on macromolecular synthesis in the MCF–7 human mammary epithelial cell line. Linebaugh BE, et al. **Biochim Biophys Acta** 1984 Jul 20;804(3):348–55

Spermidine inhibits degradation of yeast chromatin. Shalitin C, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):328–30

Polyamine requirements for induction of HL–60 promyelocyte differentiation by leukocyte–conditioned medium and phorbol ester. Kufe DW, et al. **Cancer Res** 1984 Oct;44(10):4281–4

Effects of polyamines on the first division cycle of Xenopus laevis eggs. Grant NJ, et al. **Exp Cell Res** 1984 Feb; 150(2):483–7

Purification of a membrane–bound neutral endopeptidase from rat kidney and its activation by polyamines. Watanabe Y, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1725–32

Regulation of growth and macromolecular synthesis by putrescine and spermidine in Pseudomonas aeruginosa. Bitonti AJ, et al. **Life Sci** 1984 Apr 16;34(16):1513–20

Specificity of polyamine requirements for the replication and maintenance of different double–stranded RNA plasmids in Saccharomyces cerevisiae. Tyagi AK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1149–53

Effects of polyamines on platelet aggregation. Pales JL, et al. **Scand J Haematol** 1984 Mar;32(3):241–4

TOXICITY

Spermidine cytotoxicity in vitro: effect of serum and oxygen tension. Hegre OD, et al. **In Vitro** 1984 Mar;20(3 Pt 1):198–204

Polyamine oxidase–mediated intraerythrocytic killing of Plasmodium falciparum: evidence against the role of reactive oxygen metabolites. Rzepczyk CM, et al. **Infect Immun** 1984 Jan;43(1):238–44

SPERMINE

A pioneer synthesis of conjugates of a thymic peptide hormone and polyamines. Shieh HM, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):21–7

The effects of alkali–metal chlorides and of spermidine and spermine on the swelling pressures of DNA gels in the ultracentrifuge. Richard AJ. **Biopolymers** 1984 Jul; 23(7):1307–13

Psi–type CD spectra of DNA induced by pH & spermine. Srivastava GP, et al. **Indian J Biochem Biophys** 1983 Apr; 20(2):80–3

A new procedure for determining thymine residues in DNA sequencing. Photoinduced cleavage of DNA fragments in the presence of spermine. Saito I, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2879–85

A new, convenient method for determining T residues in chemical DNA sequencing by using photoreaction with spermine. Sugiyama H, et al. **Nucleic Acids Symp Ser** 1983; (12):103–6

ANALOGS & DERIVATIVES

Development of new hypoxic cell sensitizers: amides of nitrobenzoic acid with spermidine and spermine. Nagao Y, et al. **Experientia** 1983 Oct 15;39(10):1116–8

Radiosensitization of hypoxic HeLa S3 cells in vitro by a new type of radiosensitizer: spermine and spermidine amides with nitro groups. Murayama C, et al. **Int J Radiat Biol** 1983 Nov;44(5):497–503

ANALYSIS

Enzymic microanalysis of spermine and its application to forensic practice. Terazawa K, et al. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):95–8

Enzymic fluorometry of spermine in seminal fluid. Terazawa K, et al. **Nippon Hoigaku Zasshi** 1983 Aug;37(4):410–2

[Measurement of human seminal components and its medicolegal application] Terazawa K. **Hokkaido Igaku Zasshi** 1983 Sep;58(5):453–66 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Polyamine biosynthetic enzymes as targets in cancer chemotherapy. Heby O, et al. **Adv Enzyme Regul** 1984; 22:243–64

BLOOD

Serum levels of polyamines in patients with chronic renal failure. Saito A, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S234–7

METABOLISM

Changes in diamine and polyamine metabolism in the duct–ligated submaxillary and sublingual glands of the rat. Ekström J, et al. **Acta Physiol Scand** 1983 Nov; 119(3):287–92

Spermine binding to submitochondrial particles and activation of adenosine triphosphatase. Solaini G, et al. **Biochem J** 1984 Mar 1;218(2):495–9

Activation of ADP–ribosyltransferase in polyamine–depleted mammalian cells. Wallace HM, et al. **Biochem J** 1984 Apr 1;219(1):211–21

Relation between induction of rat hepatic ornithine decarboxylase activity by tumor promoters 12–O–tetradecanoylphorbol–13–acetate and phenobarbital and levels of the polyamines putrescine, spermidine and spermine, in vivo; differential effects of retinyl–acetate. Van Rooijen LA, et al. **Carcinogenesis** 1984 Feb;5(2):225–9

Radiochemical determination of polyamines in poliovirus and human rhinovirus 14. Fout GS, et al. **J Biol Chem** 1984 Mar 25;259(6):3639–43

PHARMACODYNAMICS

Interaction of polyamines and magnesium with casein kinase II. Hathaway GM, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):133–8

Spermine specifically inhibits the phosphorylation of an 11,000–dalton nuclear protein in various cultured mammalian cell lines. Chen KY, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):710–6

Regulation of the activation of chloroplast fructose–1,6–bisphosphatase: inhibition by spermidine and spermine. Corley E, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):707–14

Mg2+ counteracts the inhibitory effect of spermine on liver phosphorylase kinase. Hashimoto E, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):271–6

Spermidine and spermine stimulate the activity of T4–DNA ligase. Pösö H, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):217–22

Polyamine–mediated inhibition of in–vitro cell proliferation is not due to acrolein. Hussain JI, et al. **Cell Tissue Kinet** 1983 Nov;16(6):583–91

Effects of polyamines on the first division cycle of Xenopus laevis eggs. Grant NJ, et al. **Exp Cell Res** 1984 Feb; 150(2):483–7

Spermine–induced phosphorylation of myotube histones by endogenous nuclear protein kinases. Lough J. **Exp Cell Res** 1984 Jan;150(1):23–8

A plasmodium protein kinase that is developmentally regulated, stimulated by spermine, and inhibited by quercetin. Wiser MF, et al. **J Cell Biochem** 1983; 21(4):305–14

Modulation of protein synthesis in a cell–free system derived from rat brain by corticotropin (ACTH), magnesium, and spermine. Schrama LH, et al. **J Neurosci Res** 1984; 11(1):67–77

The effect of spermine on spontaneous and UV–induced mutations in Schizosaccharomyces pombe. Prendergast JA, et al. **Mutat Res** 1984 Feb;125(2):205–11

Specificity of polyamine requirements for the replication and maintenance of different double–stranded RNA plasmids in Saccharomyces cerevisiae. Tyagi AK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1149–53

Effects of a naturally occurring polyamine on acid secretion by isolated gastric mucosa. Kozol R, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):52–7

Spermine–enhanced protein phosphorylation in human placenta. Moore JJ, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):313–21

Effects of polyamines on platelet aggregation. Pales JL, et al. **Scand J Haematol** 1984 Mar;32(3):241–4

TOXICITY

Polyamine oxidase–mediated intraerythrocytic killing of Plasmodium falciparum: evidence against the role of reactive oxygen metabolites. Rzepczyk CM, et al. **Infect Immun** 1984 Jan;43(1):238–44

SPERMINE SYNTHASE see under **TRANSFERASES**

SPERMOPHILUS see **SCIURIDAE**

SPHAERIALES see under **ASCOMYCETES**

SPHAEROPHORUS see **FUSOBACTERIUM**

SPHAEROPHORUS INFECTIONS see **FUSOBACTERIUM INFECTIONS**

SPHAEROPHORUS NECROPHORUS see **FUSOBACTERIUM NECROPHORUM**

SPHENOID BONE

Capillary hemangioma of the sphenoid bone. Suss RA, et al. **Skeletal Radiol** 1984;11(2):102–7

[Diagnosis and treatment of meningioma of the sphenoid ridge] Fang SM. **Chung Hua Wai Ko Tsa Chih** 1984 Mar; 22(3):181–3 (Eng. Abstr.) **(Chi)**

[Chordoma of the clivus. Rhino–neurosurgical collaboration] Semeria C, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr; 4(2):213–9 (Eng. Abstr.) **(Ita)**

[A case of giant cell tumor of the sphenoid bone—special emphasis on its clinico–radiological features and radiosensitivity] Matsumoto M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):413–8 (Eng. Abstr.) **(Jpn)**

[Primary intracranial yolk sac tumor developing in the frontal lobe from the inside of the sphenoidal ridge] Sugawara T, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):401–6 (Eng. Abstr.) **(Jpn)**

[Surgical tactics for removal of cranio–orbital meningiomas] Trosh RM. **Klin Khir** 1984 May;(5):51–2 **(Rus)**

[Chordoma of the clivus: treatment and selection of a surgical approach] Citić R, et al. **Vojnosanit Pregl** 1983 Sep–Oct; 40(5):335–40 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Persistent craniopharyngeal canal. Apropos of 3 radiologic studies. Meder JF, et al. **J Neuroradiol** 1983;10(3):265–74 **(Eng, Fre)**

Congenital absence of sphenoid wing—report of 2 cases. Chen YR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jul; 82(7):859–67

ANATOMY & HISTOLOGY

Anatomical note. Grooves on the free edge of the dorsum sellae. Bisaria KK. **J Anat** 1984 Mar;138 (Pt 2):365–9

Patterns of pneumatization and septation of the sphenoidal sinus. Banna M, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):291–3

[Pterygoclival area: the structure of stable superposition during growth] Blocquel H, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Dec; 26(4):265–84 (Eng. Abstr.) **(Fre)**

[The fronto–temporal region and its clinically important distance from the optic nerve. I. The fronto temporal region] Lang J. **Neurochirurgia (Stuttg)** 1983 Nov; 26(6):161–3 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

[Postnatal development of the pterygoid process] Lang J, et al. **Anat Anz** 1983;154(1):1–31 (Eng. Abstr.) **(Ger)**

INJURIES

Penetrating injury of the tuberculum sellae. Nath FP, et al. **Neurosurgery** 1984 May;14(5):598–600

[Epidemiology of fronto–basilar head injuries] Kościuczyk A, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):275–9 (Eng. Abstr.) **(Pol)**

INNERVATION

Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Rattus norvegicus B. 1769, Mesocricetus aureatus W. 1839). Part I. Otic ganglion. Kuder T. **Folia Morphol (Warsz)** 1983;42(3):187–97

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 34–1984. Ocular injury and unilateral exophthalmos in a 30–year–old woman. **N Engl J Med** 1984 Aug 23;311(8):520–7

[Primary osteosarcoma of the base of the skull in Garcin syndrome] Ratfisch D. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Apr;36(4):210–4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Polytomographic evaluation of the clivus and petrous apices: a new view. De la Cruz A. **Laryngoscope** 1984 Feb;94(2 Pt 1):153–64

Pterygopalatine fossa: computed tomographic studies. Daniels DL, et al. **Radiology** 1983 Nov;149(2):511–6

Case report 276. Giant cell (reparative) granuloma of the sphenoid bone. Rogers LF, et al. **Skeletal Radiol** 1984; 12(1):48–53

[The dorsum sellae as an indicator of axial skeletal osteoporosis. The results of computer tomographic densitometry] Dihlmann W, et al. **ROFO** 1983 Nov; 139(5):531–4 (Eng. Abstr.) **(Ger)**

[The foramen rotundum artery—angiographic characterization and clinical significance] Ribeiro C, et al. **Acta Med Port** 1984 Apr–May;5(4–5):127–32 (Eng. Abstr.) **(Por)**

[Tomography of Blumenbach's clivus in the frontal

projection] Golovach GG. **Vestn Rentgenol Radiol** 1983 Jul-Aug;(4):68-70 (Eng. Abstr.) **(Rus)**

SURGERY

Long-term follow-up of transsphenoidal selective adenomectomy for prolactinoma. Rodman EF, et al. **JAMA** 1984 Aug 17;252(7):921-4

Improved exposure for the intranasal ethmoidectomy or sphenoethmoidectomy. Sogg AJ. **Laryngoscope** 1984 Jan; 94(1):123

[Suprapetrosal approach to the anterosuperior surface of the petrous bone. Its importance for the treatment of rare lesions of the sphenoid bone, trigeminal nerve and internal carotid artery] Vaneecloo FM, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(2):95-101 (Eng. Abstr.) **(Fre)**

[Schwannoma of the pterygomaxillary fossa, excision by transmandibular approach] Gaillard A, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):63-5 (Eng. Abstr.) **(Fre)**

[Superior external approach to the pterygomaxillary fossa and its extensions] Pellerin P, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):46-50 (Eng. Abstr.) **(Fre)**

SPHENOID SINUS

A prolactin producing tumor originated in the sphenoid sinus. Matsushita H, et al. **Acta Pathol Jpn** 1984 Jan;34(1):103-9

Non-Hodgkin's lymphomas of the sinonasal region: histologic subtypes and their clinicopathologic features. Frierson HF Jr, et al. **Am J Clin Pathol** 1984 Jun; 81(6):721-7

Sphenoid sinus mucocele. An infrequent finding. Costa LS, et al. **Arch Neurol** 1984 Aug;41(8):897-8

Sphenoid sinus pneumocele [letter] Sellars SL, et al. **Arch Otolaryngol** 1984 Oct;110(10):697

Sphenoid sinus pneumocele. Report of a case. Som PM, et al. **Arch Otolaryngol** 1983 Nov;109(11):761-4

An IgD extramedullary plasmacytoma involving the sphenoid sinus at onset: an immunohistochemical study. Humphrey DM, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1476-80

Aspergillosis of the sphenoid sinus presenting as orbital pseudotumor. Nielsen EW, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):699-703

Neurilemoma of the sphenoid sinus. Youngerman JS, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):694-9

[Primary malignant tumor of the sphenoid sinus--a report of 7 cases] Yan JH. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):202-5 (Eng. Abstr.) **(Chi)**

[Cerebrospinal rhinorrhea from an ethmoido-sphenoidal mucocele. Description of a rare clinical case] Precerutti G, et al. **Riv Neurol** 1983 Jul-Aug;53(4):232-40 (Eng. Abstr.) **(Ita)**

[Primary intracranial endodermal sinus tumor with a skull base extension--a case report] Murata T, et al. **No Shinkei Geka** 1984 Jan;12(1):83-90 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Patterns of pneumatization and septation of the sphenoidal sinus. Banna M, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):291-3

INJURIES

The air gun--a dangerous toy. David VC. **Injury** 1983 Sep; 15(2):143-4

PATHOLOGY

Excessive pneumatization of the sphenoid sinus: a case report. Morton ME. **J Maxillofac Surg** 1983 Oct;11(5):236-8

Sphenoethmoidal mucoceles with intracranial extension. Close LG, et al. **Otolaryngol Head Neck Surg** 1983 Aug; 91(4):350-7

[Endoscopy of the sphenoidal sinus. Diagnosis and therapeutic contribution] Guerrier B, et al. **J Fr Otorhinolaryngol** 1984 Jan;33(1):43-5 **(Fre)**

RADIOGRAPHY

The diagnostic significance of posttraumatic sphenoid sinus effusions: correlation with head computed tomography. Quinn SF, et al. **J Comput Tomogr** 1984 Jan;8(1):61-4

Computed tomography of sphenoid sinus mucocele. Chui MC, et al. **J Otolaryngol** 1983 Aug;12(4):263-9

Sphenoid sinus revisited. Gibson W Jr. **Laryngoscope** 1984 Feb;94(2 Pt 1):185-91

Diagnosis and management of the opacified sphenoid sinus. Kron TK, et al. **Laryngoscope** 1983 Oct;93(10):1319-27

Lateral extension of sphenoid sinuses. Kattan KR, et al. **Med Radiogr Photogr** 1983;59(1):9-12

SURGERY

The transethmoidal-transsphenoidal route to the pituitary gland. Technique, advantages, limitations and possible complications. van Cauwenberge P, et al. **Acta Otorhinolaryngol Belg** 1983;37(6):883-91

Intranasal sphenoethmoidectomy. A safe and effective procedure. Kannel PD. **J Kans Med Soc** 1983 Dec; 84(12):595-6 (0 ref.)

SPHEROCYTES see under **ERYTHROCYTES, ABNORMAL**

SPHEROCYTOSIS, HEREDITARY

see related
ANEMIA, SIDEROBLASTIC

BLOOD

Disappearance of microspherocytes in peripheral circulation and normalization of decreased lipids in plasma and in red cells of patients with hereditary spherocytosis after splenectomy. Sugihara T, et al. **Am J Hematol** 1984 Aug; 17(2):129-39

Spectrin oligomers of the red cell membrane extracts in hereditary spherocytosis. Mafik T, et al. **Biomed Biochim Acta** 1983;42(11-12):S32-7

'Pitted' erythrocytes: impaired formation in splenectomized subjects with congenital spherocytosis. O'Grady JG, et al. **Br J Haematol** 1984 Jul;57(3):441-6

A phenomenological difference between membrane skeletal protein complexes isolated from normal and hereditary spherocytosis erythrocytes. Pinder JC, et al. **Br J Haematol** 1983 Nov;55(3):455-63

Observations on plasma and red cell lipids in hereditary spherocytosis. Sugihara T, et al. **Clin Chim Acta** 1984 Feb 28;137(2):227-32

Recent progress in research on red cell membrane disorders in Japan: pathogenesis of microspherocytosis in hereditary spherocytosis, sodium transport abnormalities in stomatocytosis, and homeo-adaptive compensatory mechanism for membrane fluidity in red cell membrane lipid abnormalities. Yawata Y. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1426-40

[Acid-base equilibrium in the blood of patients with various diseases of the blood system in relation to surgery and general anesthesia] Moroz VA, et al. **Ter Arkh** 1983; 55(8):85-8 **(Rus)**

[Clinical picture of spherocytosis: syndromes and diagnostic aspects] Sáenz GF. **Sangre (Barc)** 1983;28(3):330-40 (73 ref.) **(Spa)**

COMPLICATIONS

Hereditary spherocytosis presenting in pregnancy. Ho-Yen DO. **Acta Haematol (Basel)** 1984;72(1):29-33

Hereditary spherocytosis and thalassemia. Elizaga FV, et al. **Hawaii Med J** 1984 Jun;43(6):180

An autopsy case of hemochromatosis and hepatoma combined with hereditary spherocytosis. Takegoshi T, et al. **Jpn J Med** 1984 Feb;23(1):48-52

A family with sickle cell trait and hereditary spherocytosis. Babiker MA, et al. **Scand J Haematol** 1984 Jul;33(1):54-8

[Cerebral ischemic accident and hereditary spherocytosis] Bruguier A, et al. **Arch Fr Pediatr** 1983 Oct;40(8):653-4 (Eng. Abstr.) **(Fre)**

[Focus of intrathoracic extramedullary hematopoiesis. A little-known cause of posterior mediastinal tumor (letter)] Herait P, et al. **Presse Med** 1984 Jun 9;13(24):1513-4 **(Fre)**

DIAGNOSIS

Glucose-induced hemolysis of spheric red blood cells in hereditary spherocytosis: new aspects of the autohemolysis test. Streichman S, et al. **Am J Clin Pathol** 1984 Jan; 81(1):122-7

Diagnostic value of the glycerol lysis test. Zanella A, et al. **J Lab Clin Med** 1983 Nov;102(5):743-50

[Anemia and icterus: hereditary spherocytosis and ovalocytosis] Tischendorf FW. **Med Welt** 1983 Sep 23; 34(38):1031 **(Ger)**

[The acidified glyceral lysis test for hereditary spherocytosis and other anemias] Meyerstein N, et al. **Harefuah** 1983 Mar 1;104(5):165-7 (Eng. Abstr.) **(Heb)**

FAMILIAL & GENETIC

[Hereditary spherocytosis: a case of high familial incidence] Rolando P, et al. **Pediatria (Napoli)** 1983 Jun-Sep; 91(2-3):303-10 (Eng. Abstr.) **(Ita)**

[Familial congenital spherocytosis] Figueroa R, et al. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):340-4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Lymphocyte subpopulations and serum immunoglobulins in splenectomized patients with hereditary spherocytosis. López-Karpovitch X, et al. **Rev Invest Clin** 1984 Jan-Mar; 36(1):17-20

PATHOLOGY

Angioid streaks associated with hereditary spherocytosis. McLane NJ, et al. **Am J Ophthalmol** 1984 Apr;97(4):444-9

PHYSIOPATHOLOGY

Lateral mobility of phospholipids in the external and internal leaflets of normal and hereditary spherocytic human erythrocytes. Rimon G, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):283-90

THERAPY

Embolisation of the splenic artery as an alternative to splenectomy for treating hereditary spherocytosis. Hołowiecki J, et al. **Folia Haematol (Leipz)** 1983; 110(6):913-6

SPHEROPLASTS

ANALYSIS

Isolation and structure of glucan from regenerating spheroplasts of Candida albicans. Gopal P, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1217-25

DRUG EFFECTS

Effect of silver on whole cells and spheroplasts of a silver resistant Pseudomonas aeruginosa. Richards RM, et al. **Microbios** 1984;39(157-158):151-7

[Uncoupling of acid phosphatase biosynthesis and secretion in Saccharomyces cerevisiae spheroplasts exposed to concanavalin A] Tsiomenko AB, et al. **Dokl Akad Nauk SSSR** 1983;271(4):1000-2 **(Rus)**

METABOLISM

Growth and macromolecular synthesis of spheroplasts of Mycobacterium smegmatis ATCC 14468. Murty MV, et al. **Ann Microbiol (Paris)** 1983 Nov-Dec;134B(3):359-65

Evidence for the synthesis of peptidoglycan by spheroplasts of Mycobacterium smegmatis ATCC-14468. Murty MV, et al. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):367-74

Metabolism of [14C]glucose by regenerating spheroplasts of Candida albicans. Gopal P, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):325-35

Pulse labeling of yeast cells and spheroplasts. Reid GA. **Methods Enzymol** 1983;97:324-9

PHYSIOLOGY

Protoplasts and spheroplasts of gram-negative bacteria (with special emphasis on Proteus mirabilis). Martin HH. **Experientia [Suppl]** 1983;46:213-25

Necessity for De Novo DNA synthesis for reversion of Escherichia coli spheroplasts to bacillary forms. Tada Y, et al. **Microbiol Immunol** 1983;27(10):893-6

Assay of cytotoxicity and mutagenicity of alkylating agents by using Neurospora spheroplasts. Pope S, et al. **Mutat Res** 1984 Jan;125(1):43-53

ULTRASTRUCTURE

[Interaction of Rickettsia akari with the host cell in vitro: multiplication, formation of spheroplast-like forms and its destruction in phagolyosomes] Popov VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):23-7 (Eng. Abstr.) **(Rus)**

SPHINGOGLYCOLIPIDS see **GLYCOSPHINGOLIPIDS**

SPHINGOLIPIDOSIS

ENZYMOLOGY

Sphingolipidoses. Sandhoff K. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):94-105

FAMILIAL & GENETIC

Phenotypic variability in siblings with Farber disease. Antonarakis SE, et al. **J Pediatr** 1984 Mar;104(3):406-9

METABOLISM

Concentrations of an activator protein for sphingolipid hydrolysis in liver and brain samples from patients with lysosomal storage diseases. Inui K, et al. **J Clin Invest** 1983 Nov;72(5):1622-8

PATHOLOGY

'Banana bodies' in disseminated lipogranulomatosis (Farber's disease). Rauch HJ, et al. **Am J Dermatopathol** 1983 Jun; 5(3):263-6

SPHINGOLIPIDS

ANALYSIS

Characterizations of six ethanolamine sphingophospholipids from Paramecium cells and cilia. Kaneshiro ES, et al. **J Lipid Res** 1984 Apr;25(4):369-77

BIOSYNTHESIS

Enzymology of long-chain base synthesis by liver: characterization of serine palmitoyltransferase in rat liver microsomes. Williams RD, et al. **Arch Biochem Biophys** 1984 Jan;228(1):282-91

Activities of the initial enzymes of glycerolipid and sphingolipid synthesis in lung microsomes from rats exposed to air or 85% oxygen. Merrill AH Jr, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):995-1000

L-cycloserine inhibition of sphingolipid synthesis in the anaerobic bacterium Bacteroides levii. Sundaram KS, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):814-9

Inhibition of sphingolipid synthesis by cycloserine in vitro and in vivo. Sundaram KS, et al. **J Neurochem** 1984 Feb; 42(2):577–81

Biosynthesis of phospholipids and sphingolipids from acetoacetate and glucose in different regions of developing brain in vivo. Yeh YY. **J Neurosci Res** 1984;11(4):383–94

ISOLATION & PURIFICATION

Analysis of phospho- and phosphonosphingolipids by high-performance liquid chromatography. Itasaka O, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1671–5

METABOLISM

Effect of essential fatty acid deficiency on the epidermal sphingolipids of the rat. Wertz PW, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):350–5

Sphingolipid metabolism during infection of human fibroblasts by herpes simplex virus type 1. Steinhart WL, et al. **Intervirology** 1984;21(2):70–6

On the formation of alpha-hydroxy fatty acids. Evidence for a direct hydroxylation of nonhydroxy fatty acid-containing sphingolipids. Kaya K, et al. **J Biol Chem** 1984 Mar 25;259(6):3548–53

Concentrations of an activator protein for sphingolipid hydrolysis in liver and brain samples from patients with lysosomal storage diseases. Inui K, et al. **J Clin Invest** 1983 Nov;72(5):1622–8

Sphingolipidoses. Sandhoff K. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):94–105

Sphingolipids of the stratum corneum and lamellar granules of fetal rat epidermis. Wertz PW, et al. **J Invest Dermatol** 1984 Sep;83(3):193–5

Temperature-induced changes in the hydroxy and non-hydroxy fatty acid-containing sphingolipids abundant in the surface membrane of Tetrahymena pyriformis NT-1. Kaya K, et al. **J Lipid Res** 1984 Jan;25(1):68–74

SPHINGOMYELIN PHOSPHODIESTERASE see under **PHOSPHODIESTERASES**

SPHINGOMYELINS

Analysis of sphingoid bases by reversed-phase high performance liquid chromatography. Jungalwala FB, et al. **J Lipid Res** 1983 Oct;24(10):1380–8

ANALYSIS

Sensitivity versus predictive value: implications in low-risk populations [letter] **Am J Obstet Gynecol** 1984 Jun 15; 149(4):470–1

Lecithin/sphingomyelin ratio and the presence of phosphatidylglycerol [letter] Barnes AD, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):231–2

A problem concerning determination of the lecithin/sphingomyelin ratio of amniotic fluid [letter] Gebhardt DO. **Am J Obstet Gynecol** 1984 Jan 15; 148(2):228–9

Unexpectedly low lecithin/sphingomyelin ratio associated with fetal diaphragmatic hernia. Hisanaga S, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):905–6

Amniotic fluid absorbance at 650 nm: its relationship to the lecithin/sphingomyelin ratio and neonatal pulmonary sufficiency. Khouzami VA, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):552–6

Amniotic fluid optical density, lecithin/sphingomyelin ratio, and phosphatidylglycerol comparisons [letter] Sbarra AJ, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1153–4

Correlation of amniotic fluid optical density at 650 nm and lecithin/sphingomyelin ratios with phosphatidylglycerol. Sbarra AJ, et al. **Am J Obstet Gynecol** 1984 Aug 1; 149(7):740–3

Amniotic fluid phosphatidylglycerol in diabetic and control pregnant patients at different gestational lengths. Tsai MY, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):388–92

Is the lecithin/sphingomyelin ratio outdated? [letter] Barson AJ. **Br J Obstet Gynaecol** 1984 Jun;91(6):603–4

Is the lecithin/sphingomyelin ratio outdated? James DK, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):995–1000

The lecithin/sphingomyelin ratio in decline [editorial] Turnbull AC. **Br J Obstet Gynaecol** 1983 Nov;90(11):993–4

What is the correct lecithin/sphingomyelin ratio for human high-density lipoprotein? [letter] Gebhardt DO. **Clin Chem** 1984 Jan;30(1):164

Effect of blood contamination on lecithin to sphingomyelin ratio in amniotic fluid by different detection methods. Cotton DB, et al. **Clin Chim Acta** 1984 Mar 13; 137(3):299–304

Estimation of fetal maturity by amniotic fluid cytology, creatinine, lecithin/sphingomyelin ratio and phosphatidylglycerol. Tydén O, et al. **Gynecol Obstet Invest** 1983;16(6):317–26

Fetal pulmonary maturity: relationship between optical density (650 nm) to the lecithin/sphingomyelin ratio and phosphatidylglycerol in amniotic fluid. Moodley S, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):199–203

Correlation of amniotic fluid estrogens with L/S ratios and urinary estriols. Kay HH, et al. **J Reprod Med** 1984 Apr; 29(4):222–6

Predicting the risk of respiratory distress syndrome from the lecithin/sphingomyelin ratio and phosphatidyl glycerol results of amniotic fluid analysis. Wenk RE, et al. **Md State Med J** 1983 Jul;32(7):529–31

Comparison of lecithin: sphingomyelin ratio, fluorescence polarization, and phosphatidylglycerol in the amniotic fluid in the prediction of respiratory distress syndrome. Hamilton PR, et al. **Obstet Gynecol** 1984 Jan;63(1):52–6

Comparison of the Lumadex-foam stability index test, lecithin: sphingomyelin ratio, and simple shake test for fetal lung maturity. Lipshitz J, et al. **Obstet Gynecol** 1984 Mar; 63(3):349–54

Correlation of ultrasonic epiphyseal centers and the lecithin: sphingomyelin ratio. Tabsh KM. **Obstet Gynecol** 1984 Jul; 64(1):92–6

[Optimized determination of amniotic lecithin (the sphingomyelin index)] Marovski S, et al. **Akush Ginekol (Sofiia)** 1983;22(3):169–71 (Eng. Abstr.) **(Bul)**

[Assessment of fetal maturity by measurement of the phospholipids in the amniotic fluid. Comparison of the results with the lecithin/sphingomyelin ratio] Alegre B, et al. **Ann Biol Clin (Paris)** 1983;41(3):219–20 (Eng. Abstr.) **(Fre)**

[Preventive treatment of respiratory distress syndrome in newborn infants with antepartal glucocorticoid administration (betamethasone). Clinical results and changes in the lecithin/sphingomyelin ratio of the amniotic fluid] Kühn W, et al. **Geburtshilfe Frauenheilkd** 1984 May; 44(5):315–21 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Phospholipid exchange protein-dependent synthesis of sphingomyelin. Voelker DR, et al. **Methods Enzymol** 1983; 98:596–8

BLOOD

The sphingomyelin pools in the outer and inner layer of the human erythrocyte membrane are composed of different molecular species. Boegheim JP Jr, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):438–42

METABOLISM

Stimulation of sphingomyelin hydrolysis by cannabidiol in fibroblasts from a Niemann-Pick patient. Burstein S, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):168–73

Enhanced N-acylation of palmitic acid in sphingomyelin of antibody-stimulated L cells. Ulrich RG, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):605–11

Uptake and metabolism of radioactively labeled sphingomyelin in cultured skin fibroblasts from controls and patients with Niemann-Pick disease and other lysosomal storage diseases. Kudoh T, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):82–92

Studies on the activation of the enzymatic hydrolysis of sphingomyelin liposomes. Poulos A, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):141–8

Lysosomal involvement in cellular turnover of plasma membrane sphingomyelin. Sutrina SL, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):169–79

Impairment of exogenous sphingomyelin degradation in cultured fibroblasts from familial hypercholesterolemia. Mazière JC, et al. **FEBS Lett** 1984 Jul 23;173(1):159–63

The binding and hydrolysis of sphingomyelin by phospholipase C (Bacillus cereus) as shown by 31P NMR. Aalmo KM, et al. **Int J Biochem** 1984;16(8):931–4

Decreases in rates of lipid exchange between Mycoplasma gallisepticum cells and unilamellar vesicles by incorporation of sphingomyelin. Clejan S, et al. **J Biol Chem** 1984 Sep 10;259(17):10823–6

Chemical studies on postmortem tissues from an infant with a sphingomyelin storage disorder. Donaghey SF, et al. **J Inherited Metab Dis** 1983;6(4):190–6

[Effect of sphingomyelin on RNA-polymerase activity in the cell nucleus of normal and regenerating rat liver] Alesenko AV, et al. **Biokhimiia** 1984 Apr;49(4):621–8 (Eng. Abstr.) **(Rus)**

[Participation of sphingomyelin in the formation of a DNA bond with the nuclear matrix in the replication process] Alesenko AV, et al. **Dokl Akad Nauk SSSR** 1983 Nov–Dec; 273(1):231–4 **(Rus)**

TOXICITY

Toxicity of sphingomyelin-containing liposomes after chronic injection into mice. Weereratne EA, et al. **Br J Exp Pathol** 1983 Dec;64(6):670–6

SPHINGOSINE

ANALOGS & DERIVATIVES

Phytosphingosine in intestinal glycolipids of the rat fetus. Bouhours D, et al. **Biochim Biophys Acta** 1984 Jun 6; 794(1):169–71

Use of a fluorescent analogue of galactocerebroside for assay of galactocerebroside beta-galactosidase activity in skin fibroblasts from patients with Krabbe's disease. Okada S, et al. **Clin Chim Acta** 1984 Jan 16;136(1):57–63

Detection of D-erythro and L-threo sphingosine bases in preparative sphingosylphosphorylcholine and its N-acylated derivatives and some evidence of their different chemical configurations. Hara A, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1715–8

Isolation and characterization of a novel phytosphingosine-containing GM2 ganglioside from mullet roe (Mugil cephalus). Li YT, et al. **J Biol Chem** 1984 Jul 25;259(14):8980–5

Analysis of sphingoid bases by reversed-phase high performance liquid chromatography. Jungalwala FB, et al. **J Lipid Res** 1983 Oct;24(10):1380–8

Progressive accumulation of toxic metabolite in a genetic leukodystrophy. Igisu H, et al. **Science** 1984 May 18; 224(4650):753–5

ANALYSIS

Detection of D-erythro and L-threo sphingosine bases in preparative sphingosylphosphorylcholine and its N-acylated derivatives and some evidence of their different chemical configurations. Hara A, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1715–8

Analysis of sphingoid bases by reversed-phase high performance liquid chromatography. Jungalwala FB, et al. **J Lipid Res** 1983 Oct;24(10):1380–8

METABOLISM

D,L-alpha-Fluoropalmitic acid inhibits sphingosine base formation and accumulates in membrane lipids of cultured mammalian cells. Soltysiak RM, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):214–26

SPICES see **CONDIMENTS**

SPIDER BITE see **ARACHNIDISM**

SPIDER VENOMS see under **ARTHROPOD VENOMS**

SPIDERS

Black widow spider bite. Kobernick M. **Am Fam Physician** 1984 May;29(5):241–5

Preliminary report: experience with the use of dantrolene sodium in the treatment of bites by the black widow spider Latrodectus hesperus. Ryan PJ. **J Toxicol Clin Toxicol** 1983–84;21(4–5):487–9

Loxoscelism and necrotic arachnidism. Wasserman GS, et al. **J Toxicol Clin Toxicol** 1983–84;21(4–5):451–72 (42 ref.)

ANALYSIS

Hemocyanins in spiders, XIX. Complete amino-acid sequence of subunit d from Eurypelma californicum hemocyanin, and comparison to chain e. Schartau W, et al. **Hoppe Seylers Z Physiol Chem** 1983 Oct; 364(10):1383–409

Hemocyanins in Spiders, XVIII. Complete amino-acid sequence of subunit e from Eurypelma californicum hemocyanin. Schneider HJ, et al. **Hoppe Seylers Z Physiol Chem** 1983 Oct;364(10):1357–81

Enzymatic and hemolytic properties of brown recluse spider (Loxosceles reclusa) toxin and extracts of venom apparatus, cephalothorax and abdomen. Rekow MA, et al. **Toxicon** 1983;21(3):441–4

ANATOMY & HISTOLOGY

The ultrastructure of an intraspindle membrane system in meiosis of spider spermatocytes. Wise D. **Chromosoma** 1984;90(1):50–6

Cardioregulatory nerves in the spider Eurypelma marxi Simon. Gonzalez-Fernandez F, et al. **J Exp Zool** 1984 Jul; 231(1):27–37

Black widow spider bites. Rauber A. **J Toxicol Clin Toxicol** 1983–84;21(4–5):473–85 (23 ref.)

ENZYMOLOGY

[Cholinesterase isolated from the venom of the Latrodectus tredecimguttatus spider using substrate inhibitor analysis] Chernetskaia II, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb; 274(1):225–9 **(Rus)**

METABOLISM

Translational pauses during a spider fibroin synthesis. Candelas G, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1033–8

SPIN LABELS

see related
ELECTRON SPIN RESONANCE

The spin-label approach to labeling membrane protein sulfhydryl groups. Berliner LJ. **Ann NY Acad Sci** 1983; 414:153–61 (11 ref.)

Analysis of spin-labeled erythrocyte membranes. Fung LW. **Ann NY Acad Sci** 1983;414:162–8

Bioenergetic studies of cells with spin probes. Mehlhorn RJ, et al. **Ann NY Acad Sci** 1983;414:180–9

Molecular dynamics of 3,3',5-triiodo-L-thyronine in model membranes: a spin label study. Lai CS, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):477–81

Membrane potential and surface potential in mitochondria. Binding of a cationic spin probe. Hashimoto K, et al. **Biochim Biophys Acta** 1984 Jan 30;764(1):55–62

Temperature dependence of spin-label intensity in solutions and its implication in spin-labeled erythrocyte membrane studies. Fung LW, et al. **Biophys J** 1983 Aug;43(2):255–7

Rotational diffusion of TEMPONE in the cytoplasm of

Chinese hamster lung cells. Lepock JR, et al. **Biophys J** 1983 Dec;44(3):405–12

On the use of organic extraction in the spin–trapping technique as applied to biological systems. Kalyanaraman B, et al. **J Biochem Biophys Methods** 1984 Mar;9(1):27–31

The characterization of vanadate–trapped nucleotide complexes with spin–labelled myosins. Wells C, et al. **J Muscle Res Cell Motil** 1984 Feb;5(1):97–112

Lipid–protein interaction in frog nerve membrane as studied by spin–labelling. Belágyi J, et al. **Physiol Chem Phys** 1983; 15(6):447–58

Structure of ascorbic acid and its biological function: V. Transport of ascorbate and isoascorbate across artificial membranes as studied by the spin label technique. Lohmann W, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):923–5

[Study of hemoglobin structure using the allosteric label method] Myshkin AE. **Biofizika** 1984 Jan–Feb;29(1):40–4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Incorporation of ganglioside analogues into fibroblast cell membranes. A spin–label study. Schwarzmann G, et al. **Biochemistry** 1983 Oct 11;22(21):5041–8

Kinetic studies and active site–binding properties of glutathione S–transferase using spin–labeled glutathione, a product analogue. Schramm VL, et al. **J Biol Chem** 1984 Jan 25;259(2):714–22

Synthesis of some steroid spin labels. Dodd JR, et al. **Steroids** 1983 Sep;42(3):241–7

PHARMACODYNAMICS

Studies on conformational transitions of Ca2+,Mg2+–adenosine triphosphatase of sarcoplasmic reticulum. II. Conformational characteristics of stabilized reaction intermediates as revealed by fluorescent and paramagnetic probes. Yasuoka–Yabe K, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):677–88

Regulation of enzymes by fatty acyl coenzyme A. Interactions of short and long chain spin–labeled acyl–CoA with the acetyl–CoA site on pig heart citrate synthase. Hansel BC, et al. **J Biol Chem** 1984 Feb 10;259(3):1423–30

SPINA BIFIDA

BLOOD

Hyperzincemia in anencephaly and spina bifida: a clue to the pathogenesis of neural tube defects? Zimmerman AW. **Neurology (NY)** 1984 Apr;34(4):443–50

[Unusual course of alpha–fetoprotein levels in a case of spina bifida detected by prenatal diagnosis] Augier D, et al. **J Genet Hum** 1983 Jun;31(2):115–23 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Spina bifida and in–utero exposure to valproate [letter] Lindhout D, et al. **Lancet** 1984 Aug 18;2(8399):396

COMPLICATIONS

Femoral neck abnormalities in spina bifida. Dias LS, et al. **Clin Orthop** 1984 Apr;(184):164–8

Rare combination of spinal lesions and spina bifida occulta: case report. Wakai S, et al. **Dev Med Child Neurol** 1984 Feb;26(1):117–21

Recurrent UTI in pregnant woman with congenital spina bifida. Seal GM, et al. **Hosp Pract [Off]** 1984 May;19(5):188, 193

Unilateral pulmonary agenesis with skeletal abnormalities. Thangjam N, et al. **Indian Pediatr** 1983 Oct;20(10):775–9

First metatarsophalangeal joint dislocation in spina bifida. A case report. Schlefman BS, et al. **J Am Podiatry Assoc** 1984 Mar;74(3):147–52

Valgus deformity of the ankle in children with spina bifida aperta. Malhotra D, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):381–5

Intrinsically derived deformational defects secondary to spinal dysraphism. James HE. **Semin Perinatol** 1983 Oct; 7(4):253–6

Vaginal calculus in female with myelodysplasia. Sant GR, et al. **Urology** 1983 Sep;22(3):294–6

A survey of the problems of bowel management experienced by families of spina bifida children. Stellman GR, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:96–7

[Lumbosacral lipomas with spina bifida. Anatomo–clinical correlations. Therapeutic results] Pierre–Kahn A, et al. **Neurochirurgie** 1983;29(5):359–63 (Eng. Abstr.) **(Fre)**

[Spina bifida. Value of intermittent catheterization and drug therapy in the treatment of neurologic bladder in children] Marconi AM, et al. **Minerva Pediatr** 1983 Sep 30; 35(18):903–6 (Eng. Abstr.) **(Ita)**

[Urological management and its results in patients with congenital neurogenic bladder due to spina bifida—with special reference to the urodynamic evaluation of the lower urinary tract function] Noto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):994–1002 (Eng. Abstr.) **(Jpn)**

[Roentgenologic findings in the urinary tract of children with spina bifida and meningomyelocele] Winnicki S, et al. **Probl Med Wieku Rozwoj** 1983;12:118–30 (Eng. Abstr.) **(Pol)**

[Post–infectious transverse myelitis and thoracic spina bifida: report of a case] Andrade LA, et al. **Arq Neurospiquiatr** 1984 Mar;42(1):64–7 (Eng. Abstr.) **(Por)**

[Tethered cord syndrome with intradural sacral lipoma in an adult male] Casademont J, et al. **Med Clin (Barc)** 1984 May 12;82(18):811–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Use of prenatal diagnosis among parents of infants with spina bifida in Atlanta, Georgia, 1976–1979. Adams MM, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):749–51

Immediate post–natal management of the mothers of Down's syndrome and spina bifida children in Scotland 1971–1981. Murdoch JC. **J Ment Defic Res** 1984 Mar;28 (Pt 1):67–72

Communication of the diagnosis of Down's syndrome and spina bifida in Scotland 1971–1981. Murdoch JC. **J Ment Defic Res** 1983 Dec;27 (Pt 4):247–53

Amniotic fluid fibrinolytic system in fetal neural tube defects. Legge M. **Prenat Diagn** 1983 Apr–Jun;3(2):145–9

Alpha–fetoprotein screening for open spina bifida: effect of routine biparietal diameter measurement to estimate gestational age. Wald NJ, et al. **Rev Epidemiol Sante Publique** 1984;32(1):62–9

[Serum alpha–fetoprotein screening tests in the prevention of closure defects (a multicenter study)] Pejtsik B, et al. **Orv Hetil** 1984 Mar 18;125(12):699–702 (Eng. Abstr.) **(Hun)**

[Diagnostic and clinical significance of striae–like skin changes in the lumbosacral region] Arct W. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):495–9 (Eng. Abstr.) **(Pol)**

DIET THERAPY

Nutrition in an early intervention project. Anderson V, et al. **J Am Diet Assoc** 1984 Feb;84(2):205–7

ETIOLOGY

Investigation of a cluster of anencephaly and spina bifida. Hearey CD, et al. **Am J Epidemiol** 1984 Oct;120(4):559–64

FAMILIAL & GENETIC

Does sacral agenesis predispose to spina bifida? [letter] Magnus R, et al. **J Med Genet** 1983 Aug;20(4):313

[Sister chromatid exchange (SCE) frequency in newborn infants with defects of the median line (dysraphia and cleft of the primary and secondary palate] Pietrzyk JJ, et al. **Przegl Lek** 1984;41(5):371–4 (Eng. Abstr.) **(Pol)**

HISTORY

[Spina bifida from the historical viewpoint] Borišev V, et al. **Med Pregl** 1984;37(1–2):75–6 (Eng. Abstr.) **(Ser)**

METABOLISM

Cellular zinc accumulation in anencephaly and spina bifida. Zimmerman AW, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:65–7

NURSING

Hospital service for young adults with spina bifida and hydrocephalus. Holland MB, et al. **Z Kinderchir** 1983 Dec; 38 Suppl 2:113–5

OCCURRENCE

Epidemiology of neural tube defects in Utah, 1940–1979. Jorde LB, et al. **Am J Epidemiol** 1984 Apr;119(4):487–95

A population–based case–control study of anencephalus and spina bifida in a low–risk area. Strassburg MA, et al. **Dev Med Child Neurol** 1983 Oct;25(5):632–41 (29 ref.)

Time trends of spina bifida in Sweden 1947–81. Källén B, et al. **J Epidemiol Community Health** 1984 Jun;38(2):103–7

Seasonal variation in the frequency of anencephalus and spina bifida births in the United Kingdom. Maclean MH, et al. **J Epidemiol Community Health** 1984 Jun;38(2):99–102

PATHOLOGY

Sacrococcygeal developmental abnormalities and tumors in children. Bale PM. **Perspect Pediatr Pathol** 1984 Spring; 8(1):9–56 (309 ref.)

PREVENTION & CONTROL

The reduction of anencephalic and spina bifida births by maternal serum alphafetoprotein screening. Ferguson–Smith MA. **Br Med Bull** 1983 Oct;39(4):365–72 (31 ref.)

PSYCHOLOGY

Experience of the mothers of Down's syndrome and spina bifida children on going home from hospital in Scotland 1971–1981. Murdoch JC. **J Ment Defic Res** 1984 Jun;28 (Pt 2):123–7

The effect of disability on family life. Carr J, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:103–6

The social management of children with spina bifida who are unlikely to survive. Emery JL, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:119–20

Comparison of spina bifida, hydrocephalic patients and matched controls on neuropsychological tests. Hurley AD, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:116–8

[Spina bifida and 'psycho–socioaffective' adjustment] de Tychey C. **Ann Med Psychol (Paris)** 1983 Jul–Aug; 141(7):731–56 (Eng. Abstr.) **(Fre)**

[The subject with spina bifida and his family: psychological and social aspects. I.] Cracco A. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):107–9 (Eng. Abstr.) **(Ita)**

[The spina bifida patient and his family: psychologic and social aspects. 2] Cracco A, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):223–5 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Computed tomography of primary intrathecal Wilms tumor with diastematomyelia. Fernbach SK, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):523–8

REHABILITATION

Neurogenic faecal incontinence in children with spina bifida: rectosphincteric responses and evaluation of a physiological rationale for management, including biofeedback conditioning. Shepherd K, et al. **Aust Paediatr J** 1983 Jun; 19(2):97–9

The presentation of raised intracranial pressure in children with spina bifida and the importance of integrated follow up [letter] Tomlinson P. **Br Med J [Clin Res]** 1984 Jul 7; 289(6436):49

Educational attainments of spina bifida children attending ordinary or special schools. Carr J, et al. **Spec Educ Forward Trends** 1983 Sep;10(3):22–4

Spina bifida adults. Lonton AP, et al. **Z Kinderchir** 1983 Dec; 38 Suppl 2:110–2

Adult spina bifida survey in Scotland: educational attainment and employment. Smith AD. **Z Kinderchir** 1983 Dec;38 Suppl 2:107–9

SURGERY

Anorectal motility after surgery for spina bifida. Arhan P, et al. **Dis Colon Rectum** 1984 Mar;27(3):159–63

The case of Baby Jane Doe. 1. Spina bifida: the state of the art of medical management. Gallo A. **Hastings Cent Rep** 1984 Feb;14(1):10–3

Use of an anal sphincter pressure monitor during operations on the sacral spinal cord and nerve roots. Pang D, et al. **Neurosurgery** 1983 Nov;13(5):562–8

A study of deaths and handicap in a consecutive series of spina bifida treated unselectively from birth. Hunt GM. **Z Kinderchir** 1983 Dec;38 Suppl 2:100–2

[Surgery of spina bifida] Hayashi T. **No Shinkei Geka** 1984 Feb;12(2):121–8 **(Jpn)**

THERAPY

The orthopedic and orthotic management of the spina bifida child. Carroll N. **Clin Neurosurg** 1983;30:413–35

Management of spina bifida in the newborn infant. Duncan CC, et al. **Conn Med** 1984 Jun;48(6):349–52

[Longtime care of spina bifida patients. Therapy and prognosis in the last 20 years] Kramer HH, et al. **Monatsschr Kinderheilkd** 1984 Jan;132(1):43–50 (Eng. Abstr.) **(Ger)**

[Pediatric care of the spina bifida child] Rutz A, et al. **Monatsschr Kinderheilkd** 1984 Jan;132(1):62–3 **(Ger)**

SPINA BIFIDA CYSTICA see **MENINGOMYELOCELE**

SPINAL ACCESSORY NERVE see **ACCESSORY NERVE**

SPINAL CANAL

Re: epidural blood patch [letter] Crawford JS. **Anaesth Intensive Care** 1983 Nov;11(4):384

Chronic cannulation of the intradural or extradural space in the rat. Bahar M, et al. **Br J Anaesth** 1984 Apr; 56(4):405–10

Paraplegia secondary to pyogenic epidural abscess. Iwegbu CG. **East Afr Med J** 1983 Sep;60(9):640–4

Gunshot wounds to the spine: the effects of bullet fragments in the spinal canal. Waters RL. **J Am Paraplegia Soc** 1984 Apr;7(2):30–3

Interdural cyst of the lumbosacral region. Done SL, et al. **Neurosurgery** 1984 Mar;14(3):287–94

Retropharyngeal abscess associated with progressive quadriplegia, an epidural abscess, renal failure, and jaundice. Koopmann CF Jr, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):114–8

[Epiduritis disclosing non–Hodgkin's lymphoma. Apropos of 11 cases] Touboul E, et al. **Sem Hop Paris** 1983 Nov 3; 59(40):2751–7 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Anatomy of the lumbar radicular canal. Vital JM, et al. **Anat Clin** 1983;5(3):141–51

Distance to the epidural space in nonobstetric patients [letter] Rosenberg H, et al. **Anesth Analg** 1984 May;63(5):539–40

Ultrasonic measurement of the lumbar spinal canal [letter] Macdonald EB. **J Occup Med** 1984 Jun;26(6):412

The relationship between spinal canal diameter and back pain in coal miners. Ultrasonic measurement as a screening test? Macdonald EB, et al. **J Occup Med** 1984 Jan;26(1):23–8

The central canal of the spinal cord: ultrasonic identification. St. Amour TE, et al. **Radiology** 1984 Sep;152(3):767–9

Measurement of the lumbar spinal canal by echo ultrasound.

Legg SJ, et al. **Spine** 1984 Jan–Feb;9(1):79–82

[Observations on sagittal diameter of cervical vertebral canal in adult Chinese] Zhu B. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):542–4 (Eng. Abstr.) **(Chi)**

[Position of the spinal cord and the depth of the peridural space as a function of spinal column kyphosis and age] Verlic L, et al. **Reg Anaesth** 1983 Oct;6(4):80–2 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Descriptive studies of occlusion and reopening of the spinal canal of the early chick embryo. Schoenwolf GC, et al. **Anat Rec** 1984 Jun;209(2):251–63

INJURIES

Radiology of spinal trauma—practical experience in a trauma unit. Kassel EE, et al. **J Can Assoc Radiol** 1983 Sep; 34(3):189–203

PATHOLOGY

Magnetic resonance imaging of the spinal cord and canal: potentials and limitations. Norman D, et al. **AJR** 1983 Dec; 141(6):1147–52

Value of ultrasonic measurement of spinal canal diameter in general practice. Drinkall JN, et al.
Br Med J [Clin Res] 1984 Jan 14;288(6411):121–2

The vertebral canals in lumbar disc disease. Winston K, et al. **Spine** 1984 May–Jun;9(4):414–7

PHYSIOLOGY

The effect of epidural application of opioids on spasticity of spinal origin. Struppler A, et al. **Life Sci** 1983;33 Suppl 1:607–10

PHYSIOPATHOLOGY

[Role of epidural pulse waveform during experimental intracranial hypertension and its clinical implication] Hirai O. **Nippon Geka Hokan** 1983 Nov 1;52(6):802–17 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Epidural gas: an unusual complication of Crohn disease. Burke V, et al. **AJNR** 1984 Jan–Feb;5(1):105–6

Spinal canal stenosis. Concept of spinal reserve capacity: radiologic measurements and clinical applications. Weisz GM, et al. **Clin Orthop** 1983 Oct;(179):134–40

Lumbosacral epidural metastases: CT evaluation and comparison with myelography. Anand AK, et al.
Comput Radiol 1983 Nov–Dec;7(6):351–4

Intramedullary spinal cord tumours presenting as scoliosis. Citron N, et al. **J Bone Joint Surg [Br]** 1984 Aug; 66(4):513–7

Intraspinal epidermoid cysts. Donoghue V, et al.
J Comput Assist Tomogr 1984 Feb;8(1):143–4

Vacuum phenomenon within the cervical spinal canal: CT demonstration of a herniated disc. Elster AD, et al.
J Comput Assist Tomogr 1984 Jun;8(3):533–5

Gas as a mass: a symptomatic spinal canalicular collection. Gebarski SS, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):145–6

[Epidurography in the diagnosis of vertebral disk herniation] Lu FL. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb; 18(1):35–7 (Eng. Abstr.) **(Chi)**

[Computer tomography in the diagnosis of the spinal canal] Sobota J, et al. **Cesk Radiol** 1983 Aug;37(5):265–72 (Eng. Abstr.) **(Cze)**

[1st trials of a new contrast medium, iopamidol, in the study of the spinal canal] Bories J, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):789–92 (Eng. Abstr.) **(Fre)**

[Tomodensitometric aspects of the narrow lumbar canal] Crouzet G, et al. **J Radiol** 1983 Jun–Jul;64(6–7):405–14 (Eng. Abstr.) **(Fre)**

[Imaging of the spinal canal using computed tomography] Putz R, et al. **Morphol Med** 1983 Oct;3(3):143–9 (Eng. Abstr.) **(Ger)**

[Results of radio-anatomic studies of the lumbar spine in patients with intervertebral disk prolapse and in healthy subjects. 2: Spinal canal and intervertebral foramina] Styczyński T. **Z Rheumatol** 1984 May–Jun;43(3):131–6 (Eng. Abstr.) **(Ger)**

[Experimental verification and experience in the use of functional pneumoepidurography in the diagnosis of lumbar osteochondrosis] Sharov BK, et al.
Vestn Rentgenol Radiol 1983 Nov–Dec;(6):30–4 (Eng. Abstr.) **(Rus)**

[Contrast study of the epidural space] Sipukhin IaM, et al.
Vestn Rentgenol Radiol 1983 Nov–Dec;(6):25–30 (Eng. Abstr.) **(Rus)**

SURGERY

[Critical assessment of extra-dural fat transplantation in spinal surgery] Ii K. **Nippon Ika Daigaku Zasshi** 1983 Oct; 50(5):644–57 (Eng. Abstr.) **(Jpn)**

SPINAL CORD

see related
CHORDOTOMY
MYELOGRAPHY

The fine structure of macrophages in lysolecithin-induced demyelination: a freeze-fracture study. Tipperman R, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):522–30

Central nervous stimulation in neurological disease [editorial] Illis LS. **J R Soc Med** 1983 Nov;76(11):905–9

A spinal site mediates opiate analgesia in frogs. Stevens CW, et al. **Life Sci** 1983 Nov 21;33(21):2097–103

Lumbosacral spinal fibrosis (spinal arachnoiditis). Its diagnosis and treatment by spinal cord stimulation. de la Porte C, et al. **Spine** 1983 Sep;8(6):593–603

[Electrostimulation of the spinal cord in the treatment of chronic pain] Cassinari V, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):203–26 (Eng. Abstr.) **(Ita)**

[Method of measuring spasticity. Studies of 12 cases of spastic patients treated with chronic epidural implanted electrodes] Rossi L, et al. **Riv Neurol** 1984 Mar–Apr;54(2):87–93 (Eng. Abstr.) **(Ita)**

[Our experiences of PISCES (percutaneously inserted spinal cord electrical stimulation) in SMON and other neurologic disorders] Tani S, et al. **No To Shinkei** 1984 Apr;36(4):383–8 (Eng. Abstr.) **(Jpn)**

[Influence of central nervous stress on the dynamics of medullary excitability] Teodorescu C, et al.
Rev Med Chir Soc Med Nat Iasi 1983 Oct–Dec;87(4):591–8 (Eng. Abstr.) **(Rum)**

[Epidural stimulation of the spinal cord in multiple sclerosis] Galanda M, et al. **Bratisl Lek Listy** 1983 Sep;80(3):345–9 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Primary tethered cord syndrome: a new hypothesis of its origin. Sarwar M, et al. **AJNR** 1984 May–Jun;5(3):235–42

John Caffey Award. Sonography of the caudal spine and back: congenital anomalies in children. Naidich TP, et al. **AJR** 1984 Jun;142(6):1229–42

The embryology of spinal dysraphism. French BN.
Clin Neurosurg 1983;30:295–340

Radiology of spinal dysraphism. Naidich TP, et al.
Clin Neurosurg 1983;30:341–65

Rare combination of spinal lesions and spina bifida occulta: case report. Wakai S, et al. **Dev Med Child Neurol** 1984 Feb;26(1):117–21

Energy cost of walking and of wheelchair propulsion by children with myelodysplasia: comparison with normal children. Williams LO, et al. **Dev Med Child Neurol** 1983 Oct;25(5):617–24 (14 ref.)

Valgus deformity of the ankle in myelodysplastic patients. Correction by stapling of the medial part of the distal tibial physis. Burkus JK, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1157–62

Occult intraspinal anomalies and congenital scoliosis. McMaster MJ. **J Bone Joint Surg [Am]** 1984 Apr; 66(4):588–601

Familial juvenile type III spinal cord arteriovenous malformation: urodynamic findings. Rudy DC, et al.
J Urol 1983 Nov;130(5):946–7

Spinal dysraphia and elongated spinal cord in adults. Lesoin F, et al. **Surg Neurol** 1984 Feb;21(2):119–24

[Duplication of the complete lumbosacral spine. Apropos of 1 case] Prevot J, et al. **Chir Pediatr** 1984;25(2):87–9 (Eng. Abstr.) **(Fre)**

[Contribution to the etiology of dysrhaphic defects of the spinal column and cord] Sulla I, et al.
Bratisl Lek Listy 1983 Aug;80(2):213–20 (Eng. Abstr.) **(Slo)**

ANALYSIS

Ganglioside distribution at different levels of organization and its biological implications. Nagai Y, et al.
Adv Exp Med Biol 1984;174:135–46

Concentrations of immunoreactive thyrotropin-releasing hormone in spinal cord of patients with amyotrophic lateral sclerosis. Mitsuma T, et al. **Am J Med Sci** 1984 Mar–Apr; 287(2):34–6

A batchwise purification procedure of neurofilament proteins. Tokutake S, et al. **Anal Biochem** 1983 Nov; 135(1):102–5

The monoclonal antibody HNK-1 reacts with a human peripheral nerve ganglioside. Ilyas AA, et al.
Biochem Biophys Res Commun 1984 Aug 16;122(3):1206–11

Neuromedin C: a bombesin-like peptide identified in porcine spinal cord. Minamino N, et al.
Biochem Biophys Res Commun 1984 Feb 29;119(1):14–20

Neuromedin N: a novel neurotensin-like peptide identified in porcine spinal cord. Minamino N, et al.
Biochem Biophys Res Commun 1984 Jul 31;122(2):542–9

Biochemical and autoradiographic studies of TRH receptors in sections of rabbit spinal cord. Sharif NA, et al.
Biochem Biophys Res Commun 1983 Oct 31;116(2):669–74

Physicochemical characterization of the 68 000-dalton protein of bovine neurofilaments. Lifsics MR, et al.
Biochemistry 1984 Jun 19;23(13):2866–75

Field desorption mass spectrometric measurement of picomole amounts of leucine enkephalin in canine spinal cord tissue. Desiderio DM, et al.
Biomed Mass Spectrom 1983 Jun;10(6):358–62

Development of Met-enkephalin immunoreactivity in organotypic explants of fetal mouse spinal cord and attached dorsal root ganglia. Chalazonitis A, et al.
Brain Res 1984 Feb;314(2):183–9

Ontogeny of polyamines in relation to nucleic acids in brain and spinal cord of the developing human fetus. Chaudhuri D, et al. **Brain Res** 1983 Oct;312(1):143–5

Vasopressin, oxytocin and neurophysins in the human brain and spinal cord. Jenkins JS, et al. **Brain Res** 1984 Jan 16; 291(1):111–7

Spectrophotometry of cerebral cytochrome a, a3 in bloodless rats. Piantadosi CA, et al. **Brain Res** 1984 Jul 2;305(1):89–94

Spinal cord acetylcholine content: the consequence of transection or treatment with the neurotoxin 6-aminonicotinamide. Potter PE, et al. **Brain Res** 1984 Jun 11;303(1):87–90

Characterization and localization of immunoreactive dynorphin, alpha-neo-endorphin, Met-enkephalin and substance P in human spinal cord. Przewlocki R, et al.
Brain Res 1983 Nov 28;280(1):95–103

Recovery of substance P but not somatostatin in the cat spinal cord after unilateral lumbosacral dorsal rhizotomy: a quantitative study. Tessler A, et al. **Brain Res** 1984 Jul 2;305(1):95–102

Distribution of immunoreactive dynorphin B in discrete areas of the rat brain and spinal cord. Zamir N, et al.
Brain Res 1984 May 21;300(1):121–7

Distribution of immunoreactive dynorphin in the central nervous system of the rat. Zamir N, et al. **Brain Res** 1983 Nov 28;280(1):81–93

Autoradiographic localization of opiate kappa receptors in the rat spinal cord. Slater P, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):159–60

Radioimmunocytochemistry using a tritiated goat anti-rabbit second antibody. Glazer EJ, et al.
J Histochem Cytochem 1984 Jul;32(7):778–82

Chemical analysis of organotypic cultures of mouse spinal cord in normal, demyelinative, and nondemyelinative conditions. Roth GA, et al. **J Neurochem** 1983 Dec; 41(6):1710–7

Increased manganese level in spinal cords of amyotrophic lateral sclerosis determined by radiochemical neutron activation analysis. Miyata S, et al. **J Neurol Sci** 1983 Oct; 61(2):283–93

Glycolipids of the spinal cord, sciatic nerve, and systemic organs of the twitcher mouse. Igisu H, et al.
J Neuropathol Exp Neurol 1984 Jan;43(1):22–36

Regional distribution of dynorphin and neo-endorphin peptides in rat brain, spinal cord, and pituitary. Cone RI, et al. **J Neurosci** 1983 Nov;3(11):2146–52

Preferential immunohistochemical localization of vasoactive intestinal polypeptide (VIP) in the sacral spinal cord of the cat: light and electron microscopic observations. Honda CN, et al. **J Neurosci** 1983 Nov;3(11):2183–96

Non-serotonergic origins of the dorsolateral funiculus in the rat ventral medulla. Johannessen JN, et al. **J Neurosci** 1984 Mar;4(3):757–66

The distribution of immunoreactive alpha-neo-endorphin in the central nervous system of the rat. Zamir N, et al.
J Neurosci 1984 May;4(5):1240–7

Light microscopic autoradiographic localization of [3H] substance P binding sites in rat thoracic spinal cord. Maurin Y, et al. **Life Sci** 1984 Apr 30;34(18):1713–6

Total gangliosides, ganglioside species and the activity of neuraminidase in different brain regions and spinal cord of normal and undernourished rats. Bhargava P, et al.
Lipids 1984 Mar;19(3):179–86

Regional studies of myelin proteins in human brain and spinal cord. Trotter JL, et al. **Neurochem Res** 1984 Jan;9(1):133–46

Neuromedin L: a novel mammalian tachykinin identified in porcine spinal cord. Minamino N, et al. **Neuropeptides** 1984 Mar;4(2):157–66

Immunohistochemical localization of substance P in anencephalic human fetus spinal cord. Charnay Y, et al.
Neurosci Lett 1983 Oct 10;40(3):239–43

Evidence that spinal cord thyrotropin-releasing hormone is independent of the paraventricular nucleus. Lechan RM, et al. **Neurosci Lett** 1983 Dec 23;43(1):61–5

Spinal cord contains neurotrophic activity for spinal nerve sensory neurons. Late developmental appearance of a survival factor distinct from nerve growth factor. Lindsay RM, et al. **Neuroscience** 1984 May;12(1):45–51

Studies on the distribution of PHI in mammals. Christofides ND, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):261–6

The distribution and origin of VIP in the spinal cord of six mammalian species. Gibson SJ, et al.
Peptides (Fayetteville) 1984 Mar–Apr;5(2):201–7

Distribution and origin of bombesin, substance P and somatostatin in cat spinal cord. Massari VJ, et al.
Peptides (Fayetteville) 1983 Sep–Oct;4(5):673–81

Regulatory peptides—the distribution of two newly discovered peptides: PHI and NPY. Polak JM, et al.
Peptides (Fayetteville) 1984;5 Suppl 1:79–89

Quantitative distribution of neurohypophysial hormones in human brain and spinal cord. Jenkins JS, et al.
Prog Brain Res 1983;60:123–8

[Immunoreactive insulin in the CNS of human fetuses and newborn infants of metabolically healthy and diabetic mothers—an immunohistochemical study] Dorn A, et al.
Acta Histochem [Suppl] (Jena) 1984;30:281–5 (Eng. Abstr.) **(Ger)**

[Determination of the Ca/P atomic ratio in the spinal cord of patients with amyotrophic lateral sclerosis by neutron activation and X-ray fluorescence analysis] Mizumoto Y, et al. **Radioisotopes** 1983 Nov;32(11):551–4 (Eng. Abstr.) **(Jpn)**

[Immunocytochemical study of spheroid filament protein in

amyotrophic lateral sclerosis using an antiserum to 200K peptide of neurofilament and anti-tubulin antibody] Kurisaki H, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):1013–20 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Termination areas of primary afferent fibers of the trigeminal nerve in the rat. Matesz C. **Acta Biol Hung** 1983;34(1):31–43

The motor nuclei of the glossopharyngeal–vagal and the accessorius nerves in the rat. Matesz C, et al. **Acta Biol Hung** 1983;34(2–3):215–29

Anatomical organization of the spinocerebellar system, as studied by the HRP method. Matsushita M. **Acta Morphol Hung** 1983;31(1–3):73–86

Substance P–positive structures in rat spinal cord—a longitudinal bundle ventral to the central canal. Changgeng Z, et al. **Anat Anz** 1983;154(3):193–203

A scanning electron microscopic study of Reissner's fibre in elderly mice. Sturrock RR. **Anat Anz** 1984;156(1):21–30

Nuclear vacuoles and nuclear bodies in cells of chicken spinal cord. Uehara M, et al. **Anat Anz** 1984;155(1–5):403–6

An anatomical study of the projections from the dorsal column nuclei to the midbrain in cat. Björkeland M, et al. **Anat Embryol (Berl)** 1984;170(1):29–43

The median and lateral substantia gelatinosa in the cervical cord of the musk shrew (Suncus murinus) and its synaptic composition. Sugiura Y, et al. **Anat Embryol (Berl)** 1984; 170(1):21–8

Mesencephalic trigeminal nucleus projections to the spinal cord in the duck. Lucchi ML, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):201–4

A study of overlap and collateralization of bulbar reticular and raphe neurons which project to the spinal cord and diencephalon of the North American opossum. Martin GF, et al. **Brain Behav Evol** 1984;24(2–3):109–23

Anatomical demonstration of the location and collateralization of rubral neurons which project to the spinal cord, lateral brainstem and inferior olive in the North American opossum. Martin GF, et al. **Brain Behav Evol** 1983;23(3–4):93–109

A re-evaluation of the question of ascending fibers in the pyramidal tract. Brodal A, et al. **Brain Res** 1982 Jan 28; 232(2):271–81

Regrowth of anastomosed ventral root nerve fibers in the dorsal root of rats. Carlstedt T. **Brain Res** 1983 Aug 1; 272(1):162–5

Are hypothalamo-cerebellar fibers collaterals from the hypothalamo-spinal projection? Dietrichs E, et al. **Brain Res** 1984 Apr 2;296(2):225–31

Organization of spinal motor nuclei in the stingray, Dasyatis sabina. Droge MH, et al. **Brain Res** 1983 Oct 16; 276(2):201–11

Identification of spinally projecting neurones in the A1 catecholamine cell group of the ventrolateral medulla. Fleetwood-Walker SM, et al. **Brain Res** 1983 Aug 22; 273(1):25–33

A novel substance P pathway linking the dorsal and ventral horn in the upper lumbar segments of the rat spinal cord. Gibson SJ, et al. **Brain Res** 1984 Jun 3;301(2):243–51

Spinal afferents to lamina IX of the cervical enlargement in the rat studied by the retrograde transport of horseradish peroxidase. Hiramatsu K. **Brain Res** 1984 Feb 6; 292(2):375–7

Collateralization of brainstem pathways in the spinal ventral horn in rat as demonstrated with the retrograde fluorescent double-labeling technique. Huisman AM, et al. **Brain Res** 1984 May 23;300(2):362–7

Retrograde neuronal labeling of cells of origin of descending brainstem pathways in rat using SITS as a retrograde tracer. Huisman AM, et al. **Brain Res** 1983 Dec 19; 289(1–2):305–10

Axon arbors of functionally distinct whisker afferents are similar in medullary dorsal horn. Jacquin MF, et al. **Brain Res** 1984 Apr 23;298(1):175–80

Evidence for spinal origin of neurons synapsing with dorsal root ganglion cells of the cat. Kayahara T, et al. **Brain Res** 1984 Feb 20;293(2):225–30

Collateralization in the spinothalamic tract: new methodology to support or deny phylogenetic theories. Kevetter GA, et al. **Brain Res** 1984 Mar;319(1):1–14 (70 ref.)

Edinger–Westphal nucleus: cholecystokinin immunocytochemistry and projections to spinal cord and trigeminal nucleus in the cat. Maciewicz R, et al. **Brain Res** 1984 May 7;299(1):139–45

Evidence for cholecystokinin-like immunoreactive neurons in the rat medulla oblongata which project to the spinal cord. Mantyh PW, et al. **Brain Res** 1984 Jan 16;291(1):49–54

Differential distribution of spinocerebellar fiber terminals within the lobules of the cerebellar anterior lobe in the cat: an anterograde WGA–HRP study. Matsushita M, et al. **Brain Res** 1984 Jul 2;305(1):157–61

Primary afferent projections from dorsal and ventral roots to autonomic preganglionic neurons in the cat sacral spinal cord: light and electron microscopic observations. Mawe GM, et al. **Brain Res** 1984 Jan 2;290(1):152–7

Central distribution of primary afferent fibers in the Arnold's nerve (the auricular branch of the vagus nerve): a transganglionic HRP study in the cat. Nomura S, et al. **Brain Res** 1984 Feb 6;292(2):199–205

A crossed rubrobulbar projection in the snake Python regius. Ten Donkelaar HJ, et al. **Brain Res** 1983 Nov 21; 279(1–2):229–32

Collateralization of reticulospinal axons from the nucleus reticularis gigantocellularis to the cerebellum and diencephalon. A double-labelling study in the rat. Waltzer R, et al. **Brain Res** 1984 Feb 13;293(1):153–8

Origins and terminations of descending noradrenergic projections to the spinal cord of monkey. Westlund KN, et al. **Brain Res** 1984 Jan 30;292(1):1–16

The spinomesencephalic tract in the cat: its cells of origin and termination pattern as demonstrated by the intraaxonal transport method. Wiberg M, et al. **Brain Res** 1984 Jan 16;291(1):1–18

A direct projection from the kidney to the brainstem. Wyss JM, et al. **Brain Res** 1984 Apr 23;298(1):130–4

Retrograde axoplasmic transport of toxic lectins is useful for transganglionic tracings of the peripheral nerve. Yamamoto T, et al. **Brain Res** 1983 Sep 12;274(2):325–8

Brainstem projections to the phrenic nucleus: a HRP study in the cat. Rikard-Bell GC, et al. **Brain Res Bull** 1984 May; 12(5):469–77

A comparison of the distribution of central cholinergic neurons as demonstrated by acetylcholinesterase pharmacohistochemistry and choline acetyltransferase immunohistochemistry. Satoh K, et al. **Brain Res Bull** 1983 Dec;11(6):693–720

Clinical NMR imaging of the brain and cord. Steiner RE, et al. **Diagn Imag Clin Med** 1984;53(1):13–21

Distribution of corticospinal neurons with collaterals to lower brain stem reticular formation in cat. Keizer K, et al. **Exp Brain Res** 1984;54(1):107–20

Spinocerebellar projections in the turtle. Observations on their origin and terminal organization. Künzle H. **Exp Brain Res** 1983;53(1):129–41

Bulbar raphe neurones with projections to the trigeminal nucleus caudalis and the lumbar cord in the rat: a fluorescence double-labelling study. Lovick TA, et al. **Exp Brain Res** 1983;50(2–3):299–308

The distribution and origin of the ipsilateral descending limb of the brachium conjunctivum. An autoradiographic and horseradish peroxidase study in the rat. Woodson W, et al. **Exp Brain Res** 1984;56(1):167–82

Vertebral location of cord segments innervating cat hind limb musculature. Eldridge L. **Exp Neurol** 1984 Jan;83(1):193–8

Central projections of afferent renal fibers in the rat: an anterograde transport study of horseradish peroxidase. Ciriello J, et al. **J Auton Nerv Syst** 1983 Jul;8(3):273–85

Preganglionic neurons projecting to the first thoracic sympathetic ganglion in the terrapin (Trionyx sinensis). Leong SK, et al. **J Auton Nerv Syst** 1983 Dec;9(4):585–93

Long descending projections of the hypothalamus in the pigeon, Columba livia. Berk ML, et al. **J Comp Neurol** 1983 Oct 20;220(2):127–36

Spatial relationships between the terminations of somatic sensory motor pathways in the rostral brainstem of cats and monkeys. II. Cerebellar projections compared with those of the ascending somatic sensory pathways in lateral diencephalon. Berkley KJ. **J Comp Neurol** 1983 Oct 20; 220(2):229–51

Light and electron microscopic evidence for a direct corticospinal projection to superficial laminae of the dorsal horn in cats and monkeys. Cheema SS, et al. **J Comp Neurol** 1984 May 10;225(2):276–90

Central projections of the brachial nerve in bullfrogs: muscle and cutaneous afferents project to different regions of the spinal cord. Jhaveri S, et al. **J Comp Neurol** 1983 Dec 10; 221(3):304–12

Contralateral termination of primary afferent axons in the sacral and caudal segments of the cat, as studied by anterograde transport of horseradish peroxidase. Matsushita M, et al. **J Comp Neurol** 1983 Oct 20;220(2):206–18

Spinal neurons reaching the lateral reticular nucleus as studied in the rat by retrograde transport of horseradish peroxidase. Menétrey D, et al. **J Comp Neurol** 1983 Nov 10;220(4):439–52

The location and morphology of preganglionic neurons and the distribution of visceral afferents from the rat pelvic nerve: a horseradish peroxidase study. Nadelhaft I, et al. **J Comp Neurol** 1984 Jun 20;226(2):238–45

Anatomical and physiological studies of the gray matter surrounding the spinal cord central canal. Nahin RL, et al. **J Comp Neurol** 1983 Nov 1;220(3):321–35

Electron microscopic and immunohistochemical evidence that unmyelinated ventral root axons make u-turns or enter the spinal pia mater. Risling M, et al. **J Comp Neurol** 1984 May 1;225(1):53–63

Localization of forebrain neurons which project directly to the medulla and spinal cord of the rat by retrograde tracing with wheat germ agglutinin. Schwanzel-Fukuda M, et al. **J Comp Neurol** 1984 Jun 10;226(1):1–20

A study of axonal diameters and areas in lumbosacral roots and nerves in the rat. Suh YS, et al. **J Comp Neurol** 1984 Feb 1;222(4):473–81

Observations on the brainstem–spinal descending systems of normal and reeler mutant mice by the retrograde HRP method. Terashima T, et al. **J Comp Neurol** 1984 May 1; 225(1):95–104

Regeneration of spinal neurons in inframammalian vertebrates: morphological and developmental aspects. Anderson MJ, et al. **J Hirnforsch** 1983;24(4):371–98

Altered axons and axon terminals in the nucleus gracilis of the dog. Gavelová M, et al. **J Hirnforsch** 1983; 24(4):395–404

Limited remyelination of CNS axons by Schwann cells transplanted into the sub-arachnoid space. Blakemore WF. **J Neurol Sci** 1984 Jun;64(3):265–76

Projections of hindlimb dorsal roots to lumbosacral spinal cord of cat. Culberson JL, et al. **J Neurophysiol** 1984 Mar; 51(3):516–28

Fragments of neurologic history: phrenology's founders look at the spinal cord. Kleinman LC, et al. **Neurology (NY)** 1984 Apr;34(4):505

Fluorescent retrograde triple labeling of brainstem reticular neurons. Bentivoglio M, et al. **Neurosci Lett** 1984 May 4; 46(2):121–6

Evidence for a spinal afferent innervation of the guinea pig lower respiratory tract as studied by the horseradish peroxidase technique. Dalsgaard CJ, et al. **Neurosci Lett** 1984 Mar 23;45(2):117–22

Serotoninergic fibers in dorsal roots of the spinal cord. Di Carlo V. **Neurosci Lett** 1983 Dec 30;43(2–3):119–25

The termination pattern of sciatic nerve afferents in the substantia gelatinosa of neonatal rats. Fitzgerald M, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):149–54

An electron microscopic study of the direct spino-olivary projection to the inferior olivary nucleus in the rat. Gwyn DG, et al. **Neurosci Lett** 1983 Dec 11;42(3):243–8

Immunocytochemical identification of cholinergic neurons in the monkey central nervous system using monoclonal antibodies against choline acetyltransferase. Hedreen JC, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):173–7

A double-labelling study of reticular collaterals to the spinal cord and cerebellum of the North American opossum. Martin GF, et al. **Neurosci Lett** 1984 Jun 15;47(2):185–91

Location of short neck muscle motoneurons in the cat as revealed by horseradish peroxidase. Pásaro R, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):131–5

The relationship of dorsal root afferents to motoneuron somata and dendrites in the adult bullfrog: a light and electron microscopic study using horseradish peroxidase. Liuzzi FJ, et al. **Neuroscience** 1984 Apr;11(4):951–61

Distribution and peculiarities of axon collateral branching of rubro-spinal neurones in brainstem structures. Sarkissian JS, et al. **Neuroscience** 1984 Jul;12(3):803–15

The distribution of thyrotropin-releasing hormone (TRH) in the rhesus monkey spinal cord. Lechan RM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:185–94

The central canal of the spinal cord: ultrasonic identification. St. Amour TE, et al. **Radiology** 1984 Sep;152(3):767–9

On the occurrence of infundibular recess-like outpocketing in the urophysis of Rita rita Ham. and its probable significance. Pandey AC. **Z Mikrosk Anat Forsch** 1984; 98(2):313–6

[New data on the morphologic structure of the human spinal medulla] Schoenen J. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):317–9 **(Fre)**

[Position of the spinal cord and the depth of the peridural space as a function of spinal column kyphosis and age] Verlic L, et al. **Reg Anaesth** 1983 Oct;6(4):80–2 (Eng. Abstr.) **(Ger)**

[Ponto-medullary projections to the spinal cord: a quantitative study in the cat] Cicirata F, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1364–70 (Eng. Abstr.) **(Ita)**

[Clinical anatomy and technique for operation of spinal tumors] Koyama T. **No Shinkei Geka** 1984 Mar;12(4):433–9 **(Jpn)**

[Spatial distribution of neurons forming the descending propriospinal pathways in the spinal cord of the cat] Vasilenko DA, et al. **Neirofiziologiia** 1984;16(1):96–105 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Ultracytochemical studies of capillary endothelial cells in the rat central nervous system. Inomata K, et al. **Acta Anat (Basel)** 1984;118(4):243–8

Digital subtraction arteriography for spinal arteriovenous malformation. Levy JM, et al. **AJNR** 1983 Nov–Dec; 4(6):1217–8

Ischemic myelopathy following cardiac arrest. Rajan RK. **Am Fam Physician** 1984 Jun;29(6):221–3

The effects of subarachnoid lidocaine and phenylephrine on spinal cord and cerebral blood flow in dogs. Dohi S, et al. **Anesthesiology** 1984 Sep;61(3):238–44

Nonhemorrhagic venous infarction of the spinal cord. Kim RC, et al. **Ann Neurol** 1984 Apr;15(4):379–85

Experimental and clinical assessment of the adequacy of partial bypass in maintenance of spinal cord blood flow during operations on the thoracic aorta. Laschinger JC, et al. **Ann Thorac Surg** 1983 Oct;36(4):417–26

Neuromyelitis optica with unusual vascular changes. Lefkowitz D, et al. **Arch Neurol** 1984 Oct;41(10):1103–5

Fibrocartilaginous embolism and ischemic myelopathy in a four month old German shepherd dog. Doige CE, et al. **Can J Comp Med** 1983 Oct;47(4):499–500

Intraoperative identification of vessels critical to spinal cord blood supply—use of somatosensory evoked potentials. Laschinger JC, et al. **Curr Surg** 1984 Mar–Apr;41(2):107–9

Somatosensory evoked potentials during reversible spinal cord ischemia in man. Mizrahi EM, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug;58(2):120–6

Complete sensory and motor recovery from anterior spinal artery syndrome after sprain of the cervical spine. A case report. Foo D, et al. **Eur Neurol** 1984;23(2):119–23

Lumbar spinal artery syndrome. Report of an unusual case. Arlecchini S, et al. **Ital J Orthop Traumatol** 1983 Sep; 9(3):401–5

Spinal meningeal AVM supplied from the internal iliac artery associated with tethered cord syndrome in an adult: case report. Wortsman J, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):323–5

Lumbar arteriovenous malformation presenting as an acute disc syndrome: CT findings. Lusins JO, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1028–9

Vascular architecture of the developing spinal cord in the rat: a suggested model. Simón-Marín R, et al. **J Embryol Exp Morphol** 1983 Aug;76:27–36

Neurological outcome correlated with spinal evoked potentials in a spinal cord ischemia model. Cheng MK, et al. **J Neurosurg** 1984 Apr;60(4):786–95

Evaluation of the calcium channel antagonist nimodipine in experimental spinal cord ischemia. Faden AI, et al. **J Neurosurg** 1984 Apr;60(4):796–9

Effects of a single large dose of methylprednisolone sodium succinate on experimental posttraumatic spinal cord ischemia. Dose-response and time-action analysis. Hall ED, et al. **J Neurosurg** 1984 Jul;61(1):124–30

Effect of laminectomy and anesthesia upon spinal cord blood flow. Hitchon PW, et al. **J Neurosurg** 1984 Sep;61(3):545–9

Ultrastructural alterations in blood vessels of the white matter after experimental spinal cord trauma. Kapadia SE. **J Neurosurg** 1984 Sep;61(3):539–44

Successful treatment of a group of spinal cord arteriovenous malformations by interruption of dural fistula. Oldfield EH, et al. **J Neurosurg** 1983 Dec;59(6):1019–30

Spinal arteriovenous malformations [letter] Shephard RH. **J Neurosurg** 1984 Aug;61(2):411–3

Nimodipine in experimental ischemia [letter] Tator CH. **J Neurosurg** 1984 Oct;61(4):802–4

Computed tomography in the management of spinal cord arteriovenous malformations. Guglielmi G, et al. **J Neurosurg Sci** 1984 Jan-Mar;28(1):33–6

Prevention of spinal cord injury after cross-clamping of the thoracic aorta. Oka Y, et al. **Jpn J Surg** 1984 Mar; 14(2):159–62

Ischemic damage to the spinal cord following surgery of the abdominal aorta. Dunki Jacobs PB, et al. **Neth J Surg** 1984 Feb;36(1):1–5

Regional spinal cord and brain blood flows in the rat. Nyström B, et al. **Neurol Res** 1983;5(1):91–101

Spinal cord infarction: another cause of 'lumbosacral polyradiculopathy'. Levin KH, et al. **Neurology (NY)** 1984 Mar;34(3):389–90

Experimental CNS ischemia: serotonin antagonists reduce or prevent damage. Zivin JA, et al. **Neurology (NY)** 1984 Apr; 34(4):469–74

Spinal cord arteriovenous malformations associated with spinal aneurysms. Miyamoto S, et al. **Neurosurgery** 1983 Nov;13(5):577–80

Experimental study on the circulatory dynamics of the spinal cord by serial fluorescein angiography. Aki T, et al. **Spine** 1984 Apr;9(3):262–7

Spinal cord vasculature of the rat: a histochemical study of the metabolism of arteries and arterioles. Cannon MS, et al. **Stroke** 1983 Jul-Aug;14(4):611–6

Comparative studies of regional CNS blood flow autoregulation and responses to CO2 in the cat. Effects of altering arterial blood pressure and PaCO2 on rCBF of cerebrum, cerebellum, and spinal cord. Sato M, et al. **Stroke** 1984 Jan-Feb;15(1):91–7

Mild hypothermia and Mg++ protect against irreversible damage during CNS ischemia. Vacanti FX, et al. **Stroke** 1984 Jul-Aug;15(4):695–98

The effect of ischemia on biogenic amine concentrations in the central nervous system. Zivin JA, et al. **Stroke** 1983 Jul-Aug;14(4):556–62

Dynamic computed tomography scanning with combined metrizamide and arterial bolus injection in arteriovenous malformation of the spinal cord. Guinto FC Jr, et al. **Surg Neurol** 1984 Aug;22(2):181–5

Hydrocephalus, syringomyelia, and spinal cord angiodysgenesis in a Lhasa-apso dog. Schmahl W, et al. **Vet Pathol** 1984 Mar;21(2):252–4

[Paraplegia after operation of aneurysm of the abdominal aorta. Ischemic injuries of the spinal medulla] Nielsen BP, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3662–3 (Eng. Abstr.) **(Dan)**

[An application of balloon probes. Preoperative electrophysiological test of the tolerance to temporal occlusion of the artery of cervical enlargement] Chiras J, et al. **Neurochirurgie** 1983;29(4):289–93 (Eng. Abstr.) **(Fre)**

[Peroperative embolization of arteriovenous malformations arising from the vertebral artery] George B, et al. **Neurochirurgie** 1984;30(4):269–72 (Eng. Abstr.) **(Fre)**

[Spinal circulatory disorders. Differential diagnosis of spinal cord diseases] Suchenwirth RM. **MMW** 1983 Oct 7; 125(40):871–4 (Eng. Abstr.) **(Ger)**

[Problems of accidental blood vessel puncture in peridural anesthesia] Beck H, et al. **Reg Anaesth** 1983 Apr;6(2):40–2 (Eng. Abstr.) **(Ger)**

[Spinal cord circulation and anesthesia. 1. The characteristics of spinal cord circulation and the measurements of spinal cord blood flow] Dohi S. **Masui** 1984 May;33(5):460–8 (Eng. Abstr.) **(Jpn)**

[Measurement of human spinal cord blood flow using xenon and computerized tomography] Ikota T, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):613–7 (Eng. Abstr.) **(Jpn)**

[Morphological study on innervation of the cerebrospinal blood vessels. II. Spinal blood vessels] Itakura T, et al. **No Shinkei Geka** 1984 Mar;12(4):453–7 (Eng. Abstr.) **(Jpn)**

[Arteriovenous malformations of the cervical spinal cord—with special reference to CT study] Nagasawa S, et al. **No Shinkei Geka** 1984 Jan;12(1):93–8 (Eng. Abstr.) **(Jpn)**

[Mechanism of morphine-induced suppression of central nervous system blood flow] Dohi S, et al. **No To Shinkei** 1983 Nov;35(11):1083–8 (Eng. Abstr.) **(Jpn)**

[Radicular arteriography] Maehara T, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1249–57 **(Jpn)**

[A case of segmental spinal cord necrosis in the area supplied by the sulcocommissural artery] Barcikowska-Litwin M, et al. **Neurol Neurochir Pol** 1984 Jan-Feb;18(1):61–3 (Eng. Abstr.) **(Pol)**

[Compression syndrome in circulatory disorders of the spinal cord] Iumashev GS, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):26–8 (Eng. Abstr.) **(Rus)**

[Changes in the fasciculus gracilis of the rabbit after ischemic injury of the spinal cord] Mechírová E, et al. **Bratisl Lek Listy** 1984 May;81(5):574–82 (Eng. Abstr.) **(Slo)**

CYTOLOGY

Responses of thoracic spinoreticular and spinothalamic cells to intracardiac bradykinin. Blair RW, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H500–7

Bulbar catecholaminergic neurons projecting to the thoracic spinal cord of the chicken. Evans Blue labeling study in combination with catecholamine histofluorescence. Chikazawa H, et al. **Anat Embryol (Berl)** 1983; 167(3):411–23

Localization of the motoneurons innervating the hindlimb muscles in the spinal cord of the domestic fowl. Ohmori Y, et al. **Anat Histol Embryol** 1984 Jun;13(2):141–55

Dye and electrical coupling between frog motoneurons. Brenowitz GL, et al. **Brain Res** 1983 Sep 12;274(2):371–5

The effect of GABA on the terminations of vestibulospinal neurons in the cat spinal cord. Curtis DR, et al. **Brain Res** 1984 Mar 19;295(2):372–5

An ultrastructural study of serially sectioned Renshaw cells. I. Architecture of the cell body, axon hillock, initial axon segment and proximal dendrites. Lagerbäck PA, et al. **Brain Res** 1982 Mar 4;235(1):1–15

Suppressor T-lymphocytes in the spinal cord of Lewis rats recovered from acute experimental allergic encephalomyelitis. Hickey WF, et al. **Cell Immunol** 1984 Apr 15;85(1):284–8

Neuronal cultures on microcarriers: dissociated spinal cord cells. Shahar A, et al. **Dev Biol Stand** 1983;55:25–30

The use of retrograde transport of horseradish peroxidase for studying the dendritic trees and axonal courses of particular groups of tract cells in the spinal cord. Enevoldson TP, et al. **Exp Brain Res** 1984;54(3):529–37

Spinally projecting neurons in the dorsal column nuclei: distribution, dendritic trees and axonal projections. A retrograde HRP study in the cat. Enevoldson TP, et al. **Exp Brain Res** 1984;54(3):538–50

Effects of neurochemical lesions restricted to spinal cord monoaminergic neurons on blood pressure and sympathetic activity of spontaneously hypertensive rats. Carruba MO, et al. **Experientia** 1983 Oct 15;39(10):1166–8

Changes in the organelles of spinal cord cells of hibernating bats. Malínská J, et al. **Folia Morphol (Praha)** 1983; 31(4):410–2

Classification of neurons by dendritic branching pattern. A categorisation based on Golgi impregnation of spinal and cranial somatic and visceral afferent and efferent cells in the adult human. Abdel-Maguid TE, et al. **J Anat** 1984 Jun;138 (Pt 4):689–702

Interneurons and proprioneurons in the adult human spinal grey matter and in the general somatic and visceral afferent cranial nerve nuclei. Abdel-Maguid TE, et al. **J Anat** 1984 Aug;139 (Pt 1):9–19

The morphology of dorsal column postsynaptic spinomedullary neurons in the cat. Bennett GJ, et al. **J Comp Neurol** 1984 Apr 20;224(4):568–78

Axonal and dendritic development of substantia gelatinosa neurons in the lumbosacral spinal cord of the rat. Bicknell HR Jr, et al. **J Comp Neurol** 1984 Jul 10;226(4):508–22

Morphology of cat phrenic motoneurons as revealed by intracellular injection of horseradish peroxidase. Cameron WE, et al. **J Comp Neurol** 1983 Sep 1;219(1):70–80

Ontogeny and sexual dimorphism of the sonic motor nucleus in the oyster toadfish. Fine ML, et al. **J Comp Neurol** 1984 May 1;225(1):105–10

The properties of neurones recorded in the superficial dorsal horn of the rat spinal cord. Woolf CJ, et al. **J Comp Neurol** 1983 Dec 10;221(3):313–28

Metabolic variation among alpha-motoneurons innervating different muscle-fiber types. I. Oxidative enzyme activity. Sickles DW, et al. **J Neurophysiol** 1984 Mar;51(3):529–37

Suppressive effect of ciramadol on the bradykinin-induced activities of the lamina V-type cells of the rat spinal dorsal horn. Kubota A, et al. **J Pharmacobiodyn** 1984 May; 7(5):336–41

Synaptic input from identified muscle afferents to neurones of the dorsal spinocerebellar tract in the cat. Tracey DJ, et al. **J Physiol (Lond)** 1984 May;350:599–614

Neurons induce contractions in myotubes containing only muscular dysgenic nuclei. Powell JA, et al. **Muscle Nerve** 1984 Mar-Apr;7(3):204–10

Early effects in vitro of the muscular dysgenesis mutation on nervous tissue in the mouse. Wieczorek DF. **Muscle Nerve** 1984 Mar-Apr;7(3):179–93

The fate of severed corticospinal axons. Fishman PS, et al. **Neurology (NY)** 1984 Sep;34(9):1161–7

Identification of presumptive long axon neurons in the substantia gelatinosa of the rat lumbosacral spinal cord: a Golgi study. Beal JA. **Neurosci Lett** 1983 Oct 31; 41(1-2):9–14

An estimate of the ratio of propriospinal to long tract neurons in the sacral spinal cord of the rat. Chung K, et al. **Neurosci Lett** 1984 Feb 10;44(2):173–7

Recovery from spinal transection in fish: regrowth of axons past the transection. Coggeshall RE, et al. **Neurosci Lett** 1983 Aug 8;38(3):227–31

Immunocytochemical localization of ACTH perikarya in nucleus tractus solitarius: evidence for a second opiocortin neuronal system. Joseph SA, et al. **Neurosci Lett** 1983 Aug 8;38(3):221–5

Synaptogenesis in the chick cervical cord and possible initial central pathways from dorsal root fibers to motor neurons—Golgi and electron microscopic studies. Kanemitsu A, et al. **Neurosci Lett** 1984 Jul 13;48(1):1–6

Quantitative morphological changes in phrenic and intercostal motor columns and their respective spinal cord segments during postnatal development in the kitten. Rose D, et al. **Neurosci Lett** 1983 Sep 30;40(2):119–25

Distribution of accessory and hypoglossal nerves in the hindbrain and spinal cord of lungless salamanders, family Plethodontidae. Roth G, et al. **Neurosci Lett** 1984 Jan 27; 44(1):53–7

Asymmetric distribution of catecholamine-containing neuronal perikarya in the upper cervical spinal cord of rat. Singhaniyom W, et al. **Neurosci Lett** 1983 Oct 31; 41(1-2):91–7

Morphological properties of physiologically characterized lamina III neurones in the cat spinal cord. Maxwell DJ, et al. **Neuroscience** 1983 Sep;10(1):1–22

Corticotropin releasing factor (CRF)-like immunoreactivity in the rat central nervous system. Extrahypothalamic distribution. Merchenthaler I. **Peptides (Fayetteville)** 1984; 5 Suppl 1:53–69

Light and electron microscopy of dorsal spinocerebellar tract neurones in the cat: an intracellular horseradish peroxidase study. Houchin J, et al. **Q J Exp Physiol** 1983 Oct; 68(4):719–32

The edge cell, a possible intraspinal mechanoreceptor. Grillner S, et al. **Science** 1984 Feb 3;223(4635):500–3

[Direct hypothalamo-spinal projection and the endocrine integration] Weng YX, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):334–7 **(Chi)**

[Morphological studies on aging of the spinal cord—a quantitative study of lipofuscin using an image analyzer] Hirunagi N. **Nippon Ronen Igakkai Zasshi** 1983 Mar; 20(2):143–53 (Eng. Abstr.) **(Jpn)**

[Microscopy of the motor neurons labeled with retrograde fluorochromes in the rat fixed and surviving spinal cord sections] Trinus KF, et al. **Fiziol Zh** 1983 Jul-Aug; 29(4):499–501 **(Rus)**

[Comparative dimensions of propriospinal neurons of different structuro-functional groups in the cat] Vasilenko DA, et al. **Neirofiziologiia** 1984;16(2):238–47 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Functional impairment of the primary nociceptive analyser in the course of transganglionic degenerative atrophy. Szücs A, et al. **Acta Biol Hung** 1983;34(2-3):267–73

The effect of human chorionic gonadotropin (HCG) on functional recovery of spinal cord sectioned rats. Patil AA, et al. **Acta Neurochir (Wien)** 1983;69(3-4):205–18

Cytochemical study on the effect of aluminum on neuronal Golgi apparatus and lysosomes. Gruca S, et al. **Acta Neuropathol (Berl)** 1984;63(4):287–95

Aluminum-induced neurofibrillary changes in axons and dendrites. Wisniewski HM, et al. **Acta Neuropathol (Berl)** 1984;63(3):190–7

Central actions of neurotropic drugs assessed by reflex studies in man. Delwaide PJ, et al. **Adv Neurol** 1983;39:977–96

Effects of local anesthesia on persistence of peripherally induced postural asymmetries in rats. Steinmetz JE, et al. **Behav Neurosci** 1983 Dec;97(6):921–7

The dissociative anaesthetics, ketamine and phencyclidine, selectively reduce excitation of central mammalian neurones by N-methyl-aspartate. Anis NA, et al. **Br J Pharmacol** 1983 Jun;79(2):565–75

Selective antinociceptive effects of tizanidine (DS 103-282), a centrally acting muscle relaxant, on dorsal horn neurones in the feline spinal cord. Davies J, et al. **Br J Pharmacol** 1984 Jun;82(2):409–21

Actions of picrotoxinin and related compounds on the frog spinal cord: the role of a hydroxyl-group at the 6-position in antagonizing the actions of amino acids and presynaptic inhibition. Kudo Y, et al. **Br J Pharmacol** 1984 Feb; 81(2):373–80

Effects of glutamate and aspartate on sympathetic preganglionic neurons in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Brain Res** 1983 Oct 31;277(2):370–4

Effects of GABA and glycine on sympathetic preganglionic neurons in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Brain Res** 1983 Oct 31; 277(2):365–9

The effect of the dioxolanes on amino acid induced excitation in the mammalian spinal cord. Berry SC, et al. **Brain Res** 1984 Jul 30;307(1–2):85–90

Strychnine eliminates alternating motor output during fictive locomotion in the lamprey. Cohen AH, et al. **Brain Res** 1984 Feb 13;293(1):164–7

Actions of D and L forms of 2–amino–5–phosphonovalerate and 2–amino–4–phosphonobutyrate in the cat spinal cord. Davies J, et al. **Brain Res** 1982 Mar 11;235(2):378–86

Opioid antagonists and spinal reflexes in the anaesthetized cat. Duggan AW, et al. **Brain Res** 1984 Apr 9;297(1):33–40

Kynurenic acid inhibits synaptic and acidic amino acid–induced responses in the rat hippocampus and spinal cord. Ganong AH, et al. **Brain Res** 1983 Aug 22; 273(1):170–4

Antagonism of stimulation–produced antinociception by intrathecal administration of methysergide or phentolamine. Hammond DL, et al. **Brain Res** 1984 Apr 30;298(2):329–37

Effects of an intrathecal dopamine agonist, apomorphine, on thermal and chemical evoked noxious responses in rats. Jensen TS, et al. **Brain Res** 1984 Apr 2;296(2):285–93

Separate involvement of the spinal noradrenergic and serotonergic systems in morphine analgesia: the differences in mechanical and thermal algesic tests. Kuraishi Y, et al. **Brain Res** 1983 Aug 29;273(2):245–52

Electrophysiological effects of angiotensin II on cultured mouse spinal cord neurons. Legendre P, et al. **Brain Res** 1984 Apr 16;297(2):287–96

Serotonergic excitation of sympathetic preganglionic neurons: a microiontophoretic study. McCall RB. **Brain Res** 1983 Dec 19;289(1–2):121–7

L–aspartic acid potentiates 'slow' inward current in cultured spinal cord neurons. MacDonald JF, et al. **Brain Res** 1984 Apr 2;296(2):350–5

Spinal clonidine inhibits neural firing in locus coeruleus. Marwaha J, et al. **Brain Res** 1983 Oct 16;276(2):379–83

Motor neuron survival and neuritic extension from spinal cord explants induced by factors released from denervated muscle. Nurcombe V, et al. **Brain Res** 1984 Jan 16; 291(1):19–28

Long latency spinal cord dorsum potential; suppression by intrathecal morphine and enkephalin analog. Peets JM, et al. **Brain Res** 1984 Jun 25;304(2):279–84

Ammonia, postsynaptic inhibition and CNS–energy state. Raabe W, et al. **Brain Res** 1984 Jun 11;303(1):67–76

Epileptogenic action of tungstic acid gel on cat lumbar motoneurons. Schwindt PC, et al. **Brain Res** 1984 Jan 16; 291(1):140–4

The development of responsiveness to substance P and glutamate in the spinal motoneurons of rat fetuses. Seno N, et al. **Brain Res** 1984 Apr 30;298(2):366–9

Spinal vs supraspinal actions of morphine on cat spinal cord multireceptive neurons. Soja PJ, et al. **Brain Res** 1983 Aug 22;273(1):1–7

Evidence that spinal endorphin mediates intraventricular beta–endorphin–induced tail flick inhibition and catalepsy. Tseng LF, et al. **Brain Res** 1984 Jun 8;302(2):231–7

Distribution of alpha 2 agonist binding sites in the rat and human central nervous system: analysis of some functional, anatomic correlates of the pharmacologic effects of clonidine and related adrenergic agents. Unnerstall JR, et al. **Brain Res** 1984 Mar;319(1):69–101 (277 ref.)

Involvement of 5–hydroxytryptamine–containing neurons in antinociception produced by injection of morphine into nucleus raphe magnus or onto spinal cord. Vasko MR, et al. **Brain Res** 1984 Jul 23;306(1–2):341–8

Increase in 5–HT synthesis in the dorsal part of the spinal cord, induced by a nociceptive stimulus: blockade by morphine. Weil–Fugazza J, et al. **Brain Res** 1984 Apr 16; 297(2):247–64

Glutamate currents in mammalian spinal neurons: resolution of a paradox. Westbrook GL, et al. **Brain Res** 1984 Jun 3;301(2):375–9

Responses of substantia gelatinosa neurons to putative neurotransmitters in an in vitro preparation of the adult rat spinal cord. Zieglgänsberger W, et al. **Brain Res** 1983 Nov 21;279(1–2):316–20

Permanent alterations in the rat spinal cord following prenatal exposure to N–ethyl–N–nitrosourea. Houle JD, et al. **Brain Res Bull** 1983 Jun;10(6):839–45

Tissue reaction of morphine applied to the epidural space of dogs. King FG, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):268–71

Neuropathology of trimethyltin intoxication. IV. Changes in the spinal cord. Chang LW, et al. **Environ Res** 1984 Jun;34(1):123–34

Studies in vivo with dynorphin–(1–9): analgesia but not gastrointestinal effects following intrathecal administration to mice. Porreca F, et al. **Eur J Pharmacol** 1983 Jul 22; 91(2–3):291–4

Capsaicin treatment in adult Wistar–Kyoto and spontaneously hypertensive rats: neurochemical effects in the spinal cord. Virus RM, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):1–8

Reduced spinal reflexes following intrathecal baclofen in the rabbit. Kroin JS, et al. **Exp Brain Res** 1984;54(1):191–4

Effect of metabolic inhibition with piperonyl butoxide on rodent sensitivity to tri–ortho–cresyl phosphate. Veronesi B. **Exp Neurol** 1984 Sep;85(3):651–60

LSD but not methysergide reduces the inhibitory effect of the medullary raphe stimulation on the spinal reflex in rats. Kaneko T, et al. **Gen Pharmacol** 1984;15(2):79–83

Somatostatin actions in primary dissociated cell cultures of mammalian spinal cord neurons. Macdonald RL, et al. **Int J Neurol** 1980;14(2–4):221–32

Opioid actions on mammalian spinal neurons. Zieglgänsberger W. **Int Rev Neurobiol** 1984;25:243–75

Bulbospinal serotonin neurons and hypotensive effects of methyldopa in the spontaneously hypertensive rat. Minson JB, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):312–7

Tetanus toxin: convulsant action on mouse spinal cord neurons in culture. Bergey GK, et al. **J Neurosci** 1983 Nov; 3(11):2310–23

Characterization of the peptide and sensory neurotoxic effects of capsaicin in the guinea pig. Buck SH, et al. **J Neurosci** 1983 Oct;3(10):2064–74

In vivo studies on spinal opiate receptor systems mediating antinociception. II. Pharmacological profiles suggesting a differential association of mu, delta and kappa receptors with visceral chemical and cutaneous thermal stimuli in the rat. Schmauss C, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):1–12

Actions of substance P on rat spinal dorsal horn neurones. Murase K, et al. **J Physiol (Lond)** 1984 Jan;346:203–17

The actions of noradrenaline on neurones of the rat substantia gelatinosa in vitro. North RA, et al. **J Physiol (Lond)** 1984 Apr;349:43–55

Studies on the delayed neurotoxicity of organophosphorus compounds—(II). Itoh H, et al. **J Toxicol Sci** 1984 Feb; 9(1):37–50

Effects of zopiclone and benzodiazepines on spinal reflexes, anemic decerebrate rigidity and benzodiazepine binding. Goto M, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1241–6

Effect of taurine on depolarizations induced by L–glutamate and other excitatory amino acids in the isolated spinal cord of the frog. Kurachi M, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1247–54

Activation of multiple–conductance state chloride channels in spinal neurones by glycine and GABA. Hamill OP, et al. **Nature** 1983 Oct 27–Nov 2;305(5937):805–8

Effects of intrathecally administered pentobarbital and naloxone on the activity evoked in ascending axons of the rat spinal cord by stimulation of afferent A and C fibres. Further evidence for a tonic endorphinergic inhibition in nociception. Bernatzky G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):211–6

Influence of caffeine and midazolam on gamma–aminobutyric acid–evoked responses in the frog spinal cord. Berti C, et al. **Neuropharmacology** 1983 Dec;22(12A):1409–12

The behavioural effects of an N–methylaspartate receptor antagonist following application to the lumbar spinal cord of conscious rats. Cahusac PM, et al. **Neuropharmacology** 1984 Jul;23(7A):719–24

Actions of midazolam in the spinal cord of the cat. Leah JD, et al. **Neuropharmacology** 1983 Dec;22(12A):1349–56

Effect of methamphetamine on rat spinal cord. Dopamine receptor–mediated depression of monosynaptic reflex. Ono H, et al. **Neuropharmacology** 1984 Jun;23(6):637–42

Effect of a synthetic enkephalin analogue on spinal nociceptive messages in humans. Roby A, et al. **Neuropharmacology** 1983 Sep;22(9):1121–5

Substance P, injected intrathecally, antagonizes the spinal antinociceptive effect of morphine, baclofen and noradrenaline. Sawynok J, et al. **Neuropharmacology** 1984 Jul;23(7A):741–7

Effects of chemical additives on functional innervation patterns in mouse spinal cord–ganglion explants in serum–free medium. Baker RE, et al. **Neurosci Lett** 1983 Nov 11;41(3):321–4

GABA actions on the excitability of cultured CNS neurons. Barker JL, et al. **Neurosci Lett** 1984 Jun 29;47(3):313–8

5–Hydroxytryptamine–thyrotropin releasing hormone interactions in the spinal cord: effects on parameters of sexual behaviour in the male rat. Hansen S, et al. **Neurosci Lett** 1983 Dec 11;42(3):299–304

Baclofen inhibits sympathetic preganglionic neurons in an isolated spinal cord preparation. McKenna KE, et al. **Neurosci Lett** 1984 Jun 1;47(1):85–8

A comparison of the effects of N–methyl–D–aspartate and quinolinate on central neurones of the rat. McLennan H. **Neurosci Lett** 1984 May 4;46(2):157–60

GABA–induced depolarizing responses of the frog spinal cord can be either enhanced or antagonized by the benzodiazepine midazolam and the methylxanthine caffeine. Nistri A, et al. **Neurosci Lett** 1984 Jun 29; 47(3):277–81

Potentiating action of midazolam on GABA–mediated responses and its antagonism by Ro 14–7437 in the frog spinal cord. Nistri A, et al. **Neurosci Lett** 1983 Aug 29; 39(2):199–204

Properties of the depolarization induced by TRH in the isolated frog spinal cord. Oka J, et al. **Neurosci Lett** 1984 May 4;46(2):167–72

Spinal seizures and excitatory amino acid–mediated synaptic transmission. Ryan GP, et al. **Neurosci Lett** 1984 Feb 10; 44(2):161–6

Micromolar substance P reduces spinal receptor binding for thyrotropin–releasing hormone—possible relevance to neuropeptide coexistence? Sharif NA, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):245–51

Benzodiazepine Ro 15–1788: electrophysiological evidence for partial agonist activity. Skerritt JH, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):321–6

Effects of gamma–aminobutyrate and bicuculline on primary afferent depolarization of cutaneous fibres in the cat spinal cord. Gmelin G, et al. **Neuroscience** 1983 Nov;10(3):869–74

Morphological alterations in dorsal root ganglion neurons and supporting cells of organotypic mouse spinal cord–ganglion cultures exposed to taxol. Masurovsky EB, et al. **Neuroscience** 1983 Oct;10(2):491–509

The effect of calcium ions on the responses to motoneurons to substance P and eledoisin–related peptide in the toad and rat spinal cord. Spence I, et al. **Neuroscience** 1984 Jun; 12(2):629–35

Dynorphin: important mediator for electroacupuncture analgesia in the spinal cord of the rabbit. Han JS, et al. **Pain** 1984 Apr;18(4):367–76

GnRH in the spinal subarachnoid space potentiates lordosis behavior in the female rat. Sirinathsinghji DJ. **Physiol Behav** 1983 Nov;31(5):717–23

The benzodiazepines: a critical review. Martin IL. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):421–6

Dynorphin: potent analgesic effect in spinal cord of the rat. Han JS, et al. **Sci Sin [B]** 1984 Feb;27(2):169–77

[Ion–dependency of the GABA–potentiating effects of benzodiazepine tranquilizers and harmane] Abramets II, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):679–81 (Eng. Abstr.) **(Rus)**

[Effect of chlorophos on the lipid composition of the brain and spinal cord of the white rat] Kuz'minskaia UA, et al. **Gig Sanit** 1984 Jun;(6):71–2 **(Rus)**

EMBRYOLOGY

Early synaptogenesis in the spinal cord of human embryos. Milokhin AA. **Acta Biol Hung** 1983;34(2–3):231–45

The development of the rat spinal cord. Altman J, et al. **Adv Anat Embryol Cell Biol** 1984;85:1–164

Changes in nuclear ribonucleoprotein constituents and chromatin disposition during neuronal differentiation and maturation. Vazquez–Nin GH, et al. **Biol Cell** 1983; 48(1):17–24

Direct evidence for postsynaptic inhibition in the embryonic chick spinal cord. Velumian AA. **Brain Res** 1984 Jun; 316(2):229–39

Oligodendrocyte proliferation and CNS myelination in cultures containing dissociated embryonic neuroglia and dorsal root ganglion neurons. Wood PM, et al. **Brain Res** 1984 Feb;314(2):225–41

Neurite–promoting activities for embryonic spinal neurons and their developmental changes in the chick. Henderson CE, et al. **Dev Biol** 1984 Aug;104(2):336–47

The mitotic history and radiosensitivity of developing oligodendrocytes in vitro. Hirayama M, et al. **Dev Biol** 1984 Aug;104(2):413–20

Cell death of motoneurons in the chick embryo spinal cord. VIII. Motoneurons prevented from dying in the embryo persist after hatching. Oppenheim RW. **Dev Biol** 1984 Jan; 101(1):35–9

The adult fast isozyme of myosin is present in a nerve–muscle tissue culture system. Ecob MS, et al. **Differentiation** 1983; 25(1):84–7

Axonal and dendritic growth cones in the developing human spinal cord. Węclewicz K, et al. **Folia Morphol (Warsz)** 1983;42(2):69–72

The development of the cervical spinal cord of the mouse embryo. I. A Golgi analysis of ventral root neuron differentiation. Wentworth LE. **J Comp Neurol** 1984 Jan 1;222(1):81–95

The development of the cervical spinal cord of the mouse embryo. II. A Golgi analysis of sensory, commissural, and association cell differentiation. Wentworth LE. **J Comp Neurol** 1984 Jan 1;222(1):96–115

Fetal calf spinal cords as enriched source of mRNA encoding glial fibrillary acidic protein. Watanabe S, et al. **J Neurochem** 1984 Apr;42(4):1190–3

Activity of commissural interneurons in spinal cord of Xenopus embryos. Soffe SR, et al. **J Neurophysiol** 1984 Jun;51(6):1257–67

Cell death of motoneurons in the chick embryo spinal cord. IX. The loss of motoneurons following removal of afferent inputs. Okado N, et al. **J Neurosci** 1984 Jun;4(6):1639–52

Effects of gangliosides on the development of selective afferent connections within fetal mouse spinal cord explants. Baker RE. **Neurosci Lett** 1983 Oct 31;41(1–2):81–4

Expression of glial fibrillary acidic protein in immature oligodendroglia. Choi BH, et al. **Science** 1984 Jan 27; 223(4634):407–9

[The immunohistological study of developing human spinal cord—the localization of vimentine, GFAP in radial glial cell] Kamada H, et al. **No To Shinkei** 1984 Mar;36(3):229–35 (Eng. Abstr.) **(Jpn)**

[Axonal growth characteristics of nerve cells of the chick embryo spinal cord in tissue culture] Museridze DP, et al. **Ontogenez** 1984 May–Jun;15(3):313–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Carbonic anhydrase in oligodendrocytes and myelin in the central nervous system. Cammer W. **Ann NY Acad Sci** 1984;429:494–7

Elevated specific activity of 5'-nucleotidase in a spinal cord myelin fraction from shiverer mice. Comparison with other myelin-associated enzymes and myelin proteins. Zimmerman TR, et al. **Biochim Biophys Acta** 1983 Nov 8;760(3):377–80

Studies on the Na+-K+ ATPase of skeletal muscle and nerve. Fambrough DM. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:297–304

Ambient temperature effects on brain and spinal cord acetylcholinesterase activity of two poikilotherms. Hussein MF, et al. **Comp Biochem Physiol [C]** 1983;75(2):357–9

Endogenous peroxidase-like activity in the feline dorsal column nuclei and spinal cord. Svensson BA, et al. **Exp Brain Res** 1984;55(2):325–32

Immunoelectron microscopic localization of cathepsin D in lysosomes of rat nerve cells. Yokota S, et al. **Histochemistry** 1983;79(3):345–52

Central GABA mechanisms during postnatal development in the rat: neurochemical characteristics. Hedner T, et al. **J Neural Transm** 1984;59(2):105–18

Induction of cholinergic expression in developing spinal cord cultures. Brenneman DE, et al. **J Neurochem** 1983 Nov; 41(5):1349–56

The activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in the corpus callosum, subcortical white matter, and spinal cord in infants dying from sudden infant death syndrome. Carey EM, et al. **J Neurochem** 1984 Apr;42(4):924–9

2',3'-cyclic nucleotide 3'-phosphodiesterase and 5'-nucleotidase in the central nervous system of a myelin-deficient rat mutant. Hof L, et al. **J Neurochem** 1984 Jun;42(6):1767–70

Increase of choline acetyltransferase by colchicine in primary cell cultures of spinal cord. Ishida I, et al. **J Neurochem** 1984 Jul;43(1):42–8

Is butyrylcholinesterase of the rat CNS a membrane-bound enzyme? Meisami E. **J Neurochem** 1984 Mar;42(3):883–6

Thyrotropin-releasing hormone enhances choline acetyltransferase and creatine kinase in cultured spinal ventral horn neurons. Schmidt-Achert KM, et al. **J Neurochem** 1984 Aug;43(2):586–9

Selective localization of glutaminase in spinal and sensory nerve cells. A potential marker for glutamate neurotransmission. Cangro CB, et al. **JAMA** 1984 Feb 10; 251(6):797

Purification and partial characterization of two forms of Ca2+-activated neutral protease from calf brain synaptosomes and spinal cord. Malik MN, et al. **Neurochem Res** 1984 Feb;9(2):233–40

Separation of paraoxon and mipafox sensitive esterases by sucrose density gradient sedimentation. Ishikawa Y, et al. **Toxicol Lett** 1983 Jul;17(3–4):315–20

Acid hydrolases in brain, spinal cord and sciatic nerves of acrylamide-intoxicated rats. Srivastava SP, et al. **Toxicol Lett** 1984 Aug;22(2):211–5

[Sampling of tissue from microscopic areas of the spinal cord of the chick embryo. Description of the technic and application to the study of enzymes metabolizing acetylcholine] Bronzetti E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1890–5 (Eng. Abstr.) **(Ita)**

[Phosphatase and esterase activities of the spinal cord of rats after acute sublimate poisoning] Wyglądalska-Jernas H. **Neuropatol Pol** 1983;21(2):221–30 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

The development of catecholaminergic nerves in the spinal cord of rat. II. Regional development. Commissiong JW. **Brain Res** 1983 Dec;313(1):75–92

Age related sprouting of dorsal root axons after sensory denervation. Hulsebosch CE, et al. **Brain Res** 1983 Dec 12;288(1–2):77–83

Expression of GFAP immunoreactivity during development of long fiber tracts in the rat CNS. Valentino KL, et al. **Brain Res** 1983 Sep;285(3):317–36

Specificity in central myelination: evidence for local regulation of myelin thickness. Waxman SG, et al. **Brain Res** 1984 Jan 30;292(1):179–85

Tissue- and developmental stage-specific forms of a neural cell surface antigen linked to differences in glycosylation of a common polypeptide. Rougon G, et al. **EMBO J** 1982; 1(10):1239–44

Prenatal and postnatal development of lamina IX neurons in the rat thoracic spinal cord. Cummings JP, et al. **Exp Neurol** 1984 Jan;83(1):155–66

Changes in nervous system glycolipids during metamorphosis of Xenopus laevis. Okamura N, et al. **J Biol Chem** 1983 Oct 25;258(20):12243–6

Fine structure of dividing astroglia and oligodendroglia during myelin formation in the developing mouse spinal cord. Meinecke DL, et al. **J Comp Neurol** 1984 Jan 1; 222(1):47–55

The development and postnatal organization of motor nuclei in the rat thoracic spinal cord. Smith CL, et al. **J Comp Neurol** 1983 Oct 10;220(1):16–28

The development and postnatal organization of primary afferent projections to the rat thoracic spinal cord. Smith CL. **J Comp Neurol** 1983 Oct 10;220(1):29–43

Synthesis of catecholamines in the developing spinal cord of the rat. Commissiong JW. **J Neurochem** 1984 Jun; 42(6):1574–81

Glia are a unique substrate for the in vitro growth of central nervous system neurons. Noble M, et al. **J Neurosci** 1984 Jul;4(7):1892–903

Viability, growth, and maturation of fetal brain and spinal cord in the sciatic nerve of adult rat. Bernstein JJ. **J Neurosci Res** 1983;10(4):343–50

Development of sensory-motor synapses in the spinal cord of the frog. Frank E, et al. **J Physiol (Lond)** 1983 Oct; 343:593–610

Effects of antibodies to nerve growth factor on sprouting following spinal cord hemisection in the rat. Hulsebosch CE, et al. **Neurosci Lett** 1984 Jan 27;44(1):19–23

Increased numbers of thoracic dorsal root axons in rats given antibodies to nerve growth factor. Hulsebosch CE, et al. **Science** 1984 Aug 3;225(4661):525–6

IMMUNOLOGY

Expression of the Thy-1 antigen in long-term cultures of embryonic mouse spinal cord. Brown RH Jr, et al. **Brain Res** 1984 Mar 26;296(1):87–91

Met-enkephalin-like immunoreactivity in rat forebrain and spinal cord using hydrogen peroxide and Triton X-100. Ultrastructural study. Arluison M, et al. **Brain Res Bull** 1983 Nov;11(5):573–86

Different localizations of Met-enkephalin-like immunoreactivity in rat forebrain and spinal cord using hydrogen peroxide and Triton X-100. Light microscopic study. Arluison M, et al. **Brain Res Bull** 1983 Nov; 11(5):555–71

Localization of Met-enkephalin-like immunoreactivity within pain-related nuclei of cervical spinal cord, brainstem and midbrain in the cat. Conrath-Verrier M, et al. **Brain Res Bull** 1983 Nov;11(5):587–604

Recovery of myelin basic protein reactive T cells from spinal cords of Lewis rats with autoimmune encephalomyelitis. Burns J, et al. **J Immunol** 1984 Jun;132(6):2690–2

Homing of Lyt-2+ and Lyt-2- T cell subsets and B lymphocytes to the central nervous system of mice with acute experimental allergic encephalomyelitis. Trotter J, et al. **J Immunol** 1984 Jun;132(6):2919–23

Deposits of IgG and C3 in the spinal cord and motor cortex of ALS patients. Donnenfeld H, et al. **J Neuroimmunol** 1984 Feb;6(1):51–7

Immunohistological analysis of T lymphocyte subsets in the central nervous system in chronic progressive multiple sclerosis. Booss J, et al. **J Neurol Sci** 1983 Dec; 62(1–3):219–32

Adoptive transfer of myelin basic protein-sensitized T cells produces chronic relapsing demyelinating disease in mice. Mokhtarian F, et al. **Nature** 1984 May 24–30; 309(5966):356–8

Capsaicin depletes corticotropin-releasing factor-like immunoreactive neurons in the rat spinal cord and medulla oblongata. Skofitsch G, et al. **Neuroendocrinology** 1984 Jun; 38(6):514–7

Distribution of substance P-like immunoreactivity in the spinal cord and dorsal root ganglia of the human foetus and infant. Charnay Y, et al. **Neuroscience** 1983 Sep; 10(1):41–55

Monoclonal antibody cross-reactions between Drosophila and human brain. Miller CA, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7641–5

One-way cross-reaction between spinal cord protein and myelin basic protein. MacPherson CF, et al. **Prog Clin Biol Res** 1984;146:265–70

The role of locally retained antigens in chronic relapsing experimental allergic encephalomyelitis in guinea pigs. Tabira T, et al. **Prog Clin Biol Res** 1984;146:43–8

Homing of lymphoid populations in EAE. Trotter J, et al. **Prog Clin Biol Res** 1984;146:105–10

[NK cells and the nervous system] Gebhart W, et al. **Wien Klin Wochenschr** 1983 Dec 9;95(23):828–31 (Eng. Abstr.) **(Ger)**

METABOLISM

Neurochemical and model membrane studies in demyelinating diseases. Maggio B, et al. **Acta Neuropathol [Suppl] (Berl)** 1983;9:71–85

A new method for studying the distribution of drugs in spinal cord after intrathecal injection. Post C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):253–7

Biosynthesis and transport of gangliosides in peripheral nerve. Yates AJ, et al. **Adv Exp Med Biol** 1984;174:155–68

Distribution of glycogen in the floor plate of the chick spinal cord during development. Uehara M, et al. **Anat Rec** 1984 May;209(1):105–13

Identification and characterisation of L-[3H]aspartate binding sites on rat spinal cord synaptic membranes. Butcher SP, et al. **Biochem Pharmacol** 1984 Aug 1; 33(15):2439–45

Acetoacetate is a cholesterogenic precursor for myelinating rat brain and spinal cord. Incorporation of label from [3-14C]acetoacetate, [14C]glucose and 3H2O. Lopes-Cardozo M, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):350–2

The effect of morphine on the potassium evoked release of tritiated 5-hydroxytryptamine from spinal cord slices in the rat. Bineau-Thurotte M, et al. **Brain Res** 1984 Jan 23; 291(2):293–9

Glial fibrillary acidic protein (GFAP) in spinal cord of postnatal rat. An immunoperoxidase study in semithin sections. Bullon MM, et al. **Brain Res** 1984 May; 316(1):129–33

Target neurons for [3H]corticosterone in the rat spinal cord. Duncan GE, et al. **Brain Res** 1984 Jul 30;307(1–2):321–6

Muscarinic binding sites in small homogenates and in autoradiographic sections from rat and human spinal cord. Gillberg PG, et al. **Brain Res** 1984 May 23;300(2):327–33

Action of intrathecal capsaicin and its structural analogues on the content and release of spinal substance P: selectivity of action and relationship to analgesia. Jhamandas K, et al. **Brain Res** 1984 Jul 23;306(1–2):215–25

Blood-brain and blood-spinal cord barrier permeability during the course of experimental allergic encephalomyelitis in the rat. Juhler M, et al. **Brain Res** 1984 Jun 8;302(2):347–55

Localization of vitamin D-dependent calcium binding protein in the electrosensory and electromotor system of high frequency gymnotid fish. Maler L, et al. **Brain Res** 1984 May 28;301(1):166–70

Immunocytochemical localization of corticotropin releasing factor (CRF) in the rat spinal cord. Merchenthaler I, et al. **Brain Res** 1983 Sep 26;275(2):373–7

Alpha-bungarotoxin binding sites on sensory neurones and their axonal transport in sensory afferents. Ninkovic M, et al. **Brain Res** 1983 Aug 1;272(1):57–69

Distribution and characterization of opioid peptides derived from proenkephalin A in human and rat central nervous system. Pittius CW, et al. **Brain Res** 1984 Jun 18; 304(1):127–36

Quantitative chemical analysis of demyelination in cultured mouse spinal cord. Roth GA, et al. **Brain Res** 1984 Jul; 317(1):105–11

Influences of both thyroid and bovine growth hormones on substance P, thyrotropin-releasing hormone, serotonin and 5-hydroxyindoleacetic acid contents in the lumbar spinal cord of developing rats. Savard P, et al. **Brain Res** 1984 Mar;315(1):105–10

Comparative effects of neonatal hypothyroidism and euthyroidism on TRH and substance P content of lumbar spinal cord in saline and PCPA-treated rats. Savard P, et al. **Brain Res** 1983 Oct 31;277(2):263–8

Capsaicin depletes CCK-like immunoreactivity detected by immunohistochemistry, but not that measured by radioimmunoassay in rat dorsal spinal cord. Schultzberg M, et al. **Brain Res** 1982 Mar 4;235(1):198–204

Chronic electroconvulsive treatment enhances the density of [3H]prazosin binding sites in the central nervous system of the rat. Vetulani J, et al. **Brain Res** 1983 Sep 26; 275(2):392–5

Spinal cord metabolic changes in murine retrovirus-induced motor neuron disease. Brooks BR, et al. **Brain Res Bull** 1983 Dec;11(6):681–6

Distribution of muscarinic cholinergic high and low affinity agonist binding sites: a light microscopic autoradiographic study. Wamsley JK, et al. **Brain Res Bull** 1984 Mar; 12(3):233–43

Silver staining of DNA synthesizing cells in the neural tube of chick embryos. Suburo AM. **Differentiation** 1984; 25(3):216–20

Codepletion of serotonin and TRH induces apparent supersensitivity of spinal TRH receptors. Sharif NA, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):301–4

Differential light microscopic autoradiographic localization of muscarinic cholinergic receptors in the brainstem and spinal cord of the rat using [3H]pirenzepine. Yamamura HI, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):147–9

Recovery from partial deafferentation increases 2-deoxyglucose uptake in distant spinal segments. Berenberg RA. **Exp Neurol** 1984 Jun;84(3):627–42

Intranuclear aluminum accumulation in chronic animals with experimental neurofibrillary changes. Uemura E. **Exp Neurol** 1984 Jul;85(1):10–8

Chick embryo spinal cord neurons synthesize a transferrin-like myotrophic protein. Stamatos C, et al. **FEBS Lett** 1983 Mar 21;153(2):387–90

Neurochemical changes by inhalation of environmental pollutants sulfur dioxide and hydrogen sulfide: degradation of total lipids, elevation of lipid peroxidation and enzyme activity in discrete regions of the guinea pig brain and spinal cord. Haider SS, et al. **Ind Health** 1984;22(1):23–31

An immunological probe for identification of strychnine binding sites on neuronal membrane. Srinivasan Y, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):267–70

Alpha-2-adrenergic receptors in avian spinal cord: increases in apparent density associated with the sympathetic preganglionic cell column. Cabot JB, et al. **J Auton Nerv Syst** 1984 Jul;11(1):77–89

A few axonal proteins distinguish ventral spinal cord neurons from dorsal root ganglion neurons. Sonderegger P, et al. **J Cell Biol** 1984 Jan;98(1):364–8

Distribution of enkephalin in human fetus and infant spinal cord: an immunofluorescence study. Charnay Y, et al. **J Comp Neurol** 1984 Mar 1;223(3):415–23

The distribution and origin of a novel brain peptide, neuropeptide Y, in the spinal cord of several mammals. Gibson SJ, et al. **J Comp Neurol** 1984 Jul 20;227(1):78–91

The descending and intrinsic serotoninergic innervation of an elasmobranch spinal cord. Ritchie TC, et al. **J Comp Neurol** 1984 Apr 10;224(3):395–406

Autoradiographic localization of dopamine receptors in the spinal cord of the rat using [3H]-N-propylnorapomorphine. Scatton B, et al. **J Neural Transm** 1984;59(3):251–6

Biochemical abnormalities in spinal cord myelin and CNS homogenates in heterozygotes affected by the shiverer mutation. Cammer W, et al. **J Neurochem** 1984 May; 42(5):1372–8

Mass fragmentographic analysis of monoamine metabolites in the spinal cord of rat after the administration of morphine. Commissiong JW. **J Neurochem** 1983 Nov; 41(5):1313–8

Alterations of amino acid transmitter systems in spinal cords of chronic paraplegic dogs. McBride WJ, et al. **J Neurochem** 1984 Jun;42(6):1625–31

Loss of ascorbic acid from injured feline spinal cord. Pietronigro DD, et al. **J Neurochem** 1983 Oct;41(4):1072–6

Decreased uptake and release of D-aspartate in the guinea pig spinal cord after dorsal root section. Potashner SJ, et al. **J Neurochem** 1984 Apr;42(4):1135–44

CL 218,872 binding to benzodiazepine receptors in rat spinal cord: modulation by gamma-aminobutyric acid and evidence for receptor heterogeneity. Villiger JW. **J Neurochem** 1984 Oct;43(4):903–5

Acetylcholine metabolism in rat spinal cord cultures: regulation by a factor involved in the determination of the neurotransmitter phenotype of sympathetic neurons. Giess MC, et al. **J Neurosci** 1984 Jun;4(6):1442–52

Formation of 10-nanometer filaments from the 150K-dalton neurofilament protein in vitro. Gardner EE, et al. **J Neurosci Res** 1984;11(2):145–55

Autoradiography of benzodiazepine receptor binding in the central nervous system of the normal C57BL6J mouse. Biscoe TJ, et al. **J Physiol (Lond)** 1984 Jul;352:495–508

Changes in benzodiazepine receptor binding as seen autoradiographically in the central nervous system of the spastic mouse. Biscoe TJ, et al. **J Physiol (Lond)** 1984 Jul; 352:509–16

Postnatal development of the benzodiazepine and GABA receptors in the rat spinal cord. Saito K, et al. **Jpn J Pharmacol** 1983 Aug;33(4):906–9

Further evidence for the possible relationship between neuropeptides and serotonergic neurones in rat spinal cord. Tsai HY. **Jpn J Pharmacol** 1984 Jun;35(2):117–21

Effect of somatostatin on labeled 5-hydroxytryptamine release from rat spinal cord and methionine enkephalin antagonism in vivo. Tsai HY, et al. **Jpn J Pharmacol** 1983 Aug;33(4):900–2

Interaction of selective mu and delta ligands with the kappa 2 subtype of opiate binding sites. Gouarderes C, et al. **Life Sci** 1983;33 Suppl 1:175–8

Comparison of mu, delta, and kappa opiate binding sites in rat brain and spinal cord. Mack KJ, et al. **Life Sci** 1984 Jan 16;34(3):281–5

Comparison of capsaicin and substance P induced cyclic AMP accumulation in spinal cord tissue slices. Northam WJ, et al. **Life Sci** 1984 Jul 16;35(3):293–302

Thrombin binding to human brain and spinal cord. McKinney M, et al. **Mayo Clin Proc** 1983 Dec;58(12):829–31

Are baclofen-sensitive GABAB receptors present on primary afferent terminals of the spinal cord? Price GW, et al. **Nature** 1984 Jan 5–11;307(5946):71–4

Properties of a 125I-substance P derivative binding to synaptosomes from various brain structures and the spinal cord of the rat. Torrens Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):134–9

Binding sites for L-glutamate in the central nervous system of the rat. Larder AP, et al. **Neurochem Res** 1984 Mar; 9(3):393–403

Distribution and characterization of the GABA receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. **Neurochem Res** 1984 Apr;9(4):485–95

Distribution and characterization of the TRH receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. **Neurochem Res** 1984 Apr;9(4):477–84

Distribution and characterization of the glutamate receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. **Neurochem Res** 1984 Apr;9(4):497–505

Supersensitivity of the noradrenergic system in the spinal cord following intracisternal injection of 6-hydroxydopamine. Jones DJ, et al. **Neuropharmacology** 1984 Apr;23(4):431–8

The effects of 5,7-dihydroxytryptamine and p-chlorophenylalanine on thyrotrophin-releasing hormone in regions of the brain and spinal cord of the rat. Lighton C, et al. **Neuropharmacology** 1984 Jan;23(1):55–60

Substance P stimulates the release of Met5-enkephalin-Arg6-Phe7 and Met5-enkephalin from rat spinal cord. Tang J, et al. **Neuropharmacology** 1983 Sep; 22(9):1147–50

PHI-like immunoreactivity co-locates with the VIP-containing system in human lumbosacral spinal cord. Anand P, et al. **Neurosci Lett** 1984 May 4;46(2):191–6

Spinal opioid receptors and inhibition of urinary bladder motility in vivo. Dray A, et al. **Neurosci Lett** 1984 Jun 1;47(1):81–4

Somatostatin 28(1–14) immunoreactivity in primary afferent neurons of the rat spinal cord. Ho RH, et al. **Neurosci Lett** 1984 May 4;46(2):161–6

Binding sites for [3H]gamma-hydroxybutyrate on cultured neurones of rat cerebellum and spinal cord. Hösli E, et al. **Neurosci Lett** 1983 Dec 2;42(2):145–8

Cervical cord neurons labeled by horseradish peroxidase application to the sciatic nerve in the rat. Janjua MZ, et al. **Neurosci Lett** 1983 Jul 29;38(2):115–8

Vasoactive intestinal polypeptide in visceral afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **Neurosci Lett** 1983 Dec 11;42(3):311–6

Inhibition of ascorbate autoxidation by the dialyzed soluble fraction of mammalian nervous tissues. Mishra OP, et al. **Neurosci Lett** 1983 Dec 23;43(1):103–8

Postmortal decay of acetylcholine levels in the spinal cord of rat, chicken and frog. Molinengo L, et al. **Neurosci Lett** 1984 Mar 23;45(2):181–5

Sumithion induced neurotoxicity in pigeons: effect on lipid metabolism of spinal cord. Nag A, et al. **Neurosci Lett** 1984 May 18;46(3):335–9

Specific [3H]Ro 5-4864 binding to rat spinal cord membranes: evidence for peripheral type benzodiazepine recognition sites. Villiger JW. **Neurosci Lett** 1984 May 18; 46(3):267–70

Fetal locus coeruleus transplanted into the transected spinal cord of the adult rat: some observations and implications. Commissiong JW. **Neuroscience** 1984 Jul;12(3):839–53

The immunohistochemical localization of nine peptides in the sacral parasympathetic nucleus and the dorsal gray commissure in rat spinal cord. Sasek CA, et al. **Neuroscience** 1984 Jul;12(3):855–73

Afferent fibers mediate the increase of met-enkephalin elicited in rat spinal cord by localized pain. Faccini E, et al. **Pain** 1984 Jan;18(1):25–31

Naloxone-inaccessible sigma receptor in rat central nervous system. Tam SW. **Proc Natl Acad Sci USA** 1983 Nov; 80(21):6703–7

Autoradiographic localization of binding sites for inhibitory amino acids and their antagonists in cultured rat CNS. Hösli E, et al. **Prog Brain Res** 1983;58:137–44

Neurotransmitters, precursors and metabolites in spinal cord and brain of Lewis rats with EAE. Honegger CG, et al. **Prog Clin Biol Res** 1984;146:131–8

MICROBIOLOGY

Wild mouse retrovirus-induced neurogenic paralysis in laboratory mice. I. Virus replication and expression in central nervous system. Pal BK, et al. **Arch Virol** 1983; 77(2–4):239–47

Pathogenesis of mouse scrapie. Evidence for direct neural spread of infection to the CNS after injection of sciatic nerve. Kimberlin RH, et al. **J Neurol Sci** 1983 Oct–Nov; 61(3):315–25

Characterization of genetic changes occurring in attenuated poliovirus 2 during persistent infection in mouse central nervous systems. Rozhon EJ, et al. **J Virol** 1984 Apr; 50(1):137–44

Theiler's virus antigen detected in mouse spinal cord 2 1/2 years after infection. Lipton HL, et al. **Neurology (NY)** 1984 Aug;34(8):1117–9

PARASITOLOGY

Verminous (Strongylus vulgaris) myelitis in a donkey. Mayhew IG, et al. **Cornell Vet** 1984 Jan;74(1):30–7

PATHOLOGY

Pathology of spinal cord lesions caused by ossification of the posterior longitudinal ligament. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1984;63(2):123–30

Demyelination in the spinal cord of murine globoid cell leukodystrophy (the twitcher mouse). Takahashi H, et al. **Acta Neuropathol (Berl)** 1984;62(4):298–308

Neonatal fetal death following cesarean section secondary to hyperextended head in breech presentation. Weinstein D, et al. **Acta Obstet Gynecol Scand** 1983;62(6):629–31

Persistence of tick-borne encephalitis virus in monkeys. VI. Pathomorphology of chronic infection in central nervous system. Frolova MP, et al. **Acta Virol (Praha)** 1984 May; 28(3):232–9

Effect of immunosuppression on morphological changes in CNS of monkeys infected with different measles virus vaccine strains. Sharova OK, et al. **Acta Virol (Praha)** 1984 Mar;28(2):144–7

Magnetic resonance imaging of the spinal cord and canal: potentials and limitations. Norman D, et al. **AJR** 1983 Dec; 141(6):1147–52

Developmental changes of oligodendroglia in the posterior funiculus of 'Shiverer' mutant mouse spinal cord, with special reference to myelin formation. Inoue Y, et al. **Anat Embryol (Berl)** 1983;168(2):159–71

Schwann cell remyelination of demyelinated axons in spinal cord multiple sclerosis lesions. Itoyama Y, et al. **Ann Neurol** 1983 Sep;14(3):339–46

Infant lesion effect: III. Anatomical correlates of sparing and recovery of function after spinal cord damage in newborn and adult cats. Bregman BS, et al. **Brain Res** 1983 Aug; 285(2):137–54

Prevention of experimental allergic encephalomyelitis by ganglioside GM4. Mullin BR, et al. **Brain Res** 1984 Mar 26;296(1):174–6

Effect of nerve section on the spinal distribution of neighboring nerves. Seltzer Z, et al. **Brain Res** 1984 Jul 23;306(1–2):31–7

Accelerated loss of motor neurons in the brachial lateral motor column in muscular dystrophic chicks. Stewart PA, et al. **Brain Res** 1984 Jun;316(2):271–7

Myelopathy with severe structural derangement associated with combined modality therapy. Cohen ME, et al. **Cancer** 1983 Nov 1;52(9):1590–6

Evidence of spinal cord injury in an infant delivered by cesarean section. A case report. Hernandez-Marti M, et al. **Childs Brain** 1984;11(3):197–201

Intercostal nerve transection and its effect on the dorsal root ganglion. A quantitative study on thoracic ganglion cell numbers and sizes in the rat. Ygge J, et al. **Exp Brain Res** 1984;55(3):402–8

Myelopathy and vitamin E deficiency in six Mongolian wild horses. Liu SK, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1266–8

Hyperplasia in the spinal sensory system of the frog. I. Plasticity in the most caudal dorsal root ganglion. Davis MR, et al. **J Comp Neurol** 1983 Dec 20;221(4):444–52

Hyperplasia in the spinal sensory system of the frog. II. Central and peripheral connectivity patterns. Davis MR, et al. **J Comp Neurol** 1983 Dec 20;221(4):453–65

Abnormal cell relationships in Jimpy mice: electron microscopic and immunocytochemical findings. Omlin FX, et al. **J Neurocytol** 1983 Oct;12(5):767–84

Topography of remyelinated chronic spinal cord lesions in herpes simplex virus type 2 infections of mice. Flynn TE, et al. **J Neurol Sci** 1983 Oct–Nov;61(3):327–39

Menkes' disease and swayback. A comparative study of two copper deficiency syndromes. Tan N, et al. **J Neurol Sci** 1983 Dec;62(1–3):95–113

A child with chronic abdominal pain and leg weakness [clinical conference] Blevens K, et al. **J Pediatr** 1984 Aug; 105(2):329–32

Spinal cord tumors induced by N-ethyl-N-nitrosourea in rats: presence of spinal subpial target cells. Naito M, et al. **JNCI** 1984 Mar;72(3):715–24

'Shaking pups': a disorder of central myelination in the spaniel dog. III. Quantitative aspects of glia and myelin in the spinal cord and optic nerve. Duncan ID, et al. **Neuropathol Appl Neurobiol** 1983 Sep–Oct;9(5):355–68

Sarcoidosis presenting as an intramedullary spinal cord mass. Hitchon PW, et al. **Neurosurgery** 1984 Jul;15(1):86–90

Clinical signs and histopathologic changes of the spinal cord in pigs treated with Tri-o-cresyl phosphate. Maydew MS, et al. **Neurotoxicology (Park Forest II)** 1983 Winter; 4(4):163–71

Regeneration in the human spinal cord: a review of the response to injury of the various constituents of the human spinal cord. Hughes JT. **Paraplegia** 1984 Jun;22(3):131–7

Characterization by acid alpha-naphthyl acetate esterase staining of the spinal cord cellular infiltrate in the acute and relapse phases of chronic relapsing experimental allergic encephalomyelitis. Suckling AJ, et al. **Prog Brain Res** 1983;59:317–22

Porcine congenital tremor type AI: spinal cord morphometry. Done JT, et al. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):81–90

[Postmortem findings after long-term treatment of pain via an epidural catheter] Carl P, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):4001 (Eng. Abstr.) **(Dan)**

[Histopathological changes of the human spinal cord—with special reference to latent lesions found in spinal cords of the aged] Hiroshima K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul;57(7):729–39 (Eng. Abstr.) **(Jpn)**

[Spinal gyri with sulci divided by neural tracts—globoid cell leukodystrophy] Koya G, et al. **No To Hattatsu** 1983 Sep; 15(5):432–7 (Eng. Abstr.) **(Jpn)**

[Vibration-induced morphological changes in the brain stem and spinal cord of the guinea pig] Sopek M, et al. **Med Pr** 1983;34(5–6):361–7 (Eng. Abstr.) **(Pol)**

[Effect of hyperthermia on the morphology and histochemistry of the spinal cord] Wyglądalska-Jernas H. **Neuropatol Pol** 1983;21(2):257–72 (Eng. Abstr.) **(Pol)**

[Necrotizing myelopathy and neoplasms: clinico-pathological report of 2 cases] de Freitas MR, et al. **Arq Neuropsiquiatr** 1983 Jun;41(2):182–90 (Eng. Abstr.) **(Por)**

[Morphological changes in the spinal cord, its meninges and epidural structures in experimental disorders of blood flow in the venae cavae] Petrovskii IN, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):43–50 (Eng. Abstr.) **(Rus)**

[Clinico-pathomorphological changes in the spinal cord in chronic occlusion of the abdominal aorta and its branches] Kotova IP. **Zh Nevropatol Psikhiatr** 1984;84(7):1024–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Synergistic effect of acidosis and succinylcholine-induced hyperkalemia in spinal cord transected rats. Koller ME, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):87–90

Interactions of spino-medullal ascending neural system and forebrain-hypothalamic structures in regulating gonadotropin release in female rats. Kawakami M, et al. **Acta Morphol Hung** 1983;31(1–3):117–36

Conditioned tactile placing in cats with unilateral neodecortication or spinal cord hemisection. Yu J. **Acta Neurobiol Exp (Warsz)** 1984;44(1):29–32

Vestibulo-spinal control differs in patients with reduced versus distorted vestibular function. Black FO, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:110–4

Excitatory and inhibitory influences on the spinal cord during

vestibular and neck reflexes. Pompeiano O. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:5–9 (23 ref.)

Evaluation of the vestibulospinal reflex by posturography. New perspectives in the otoneurology. Norré ME, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):679–86

Single unit activities produced in the frog spinal cord by natural stimulation of proprio- and exteroceptors. Czéh G. **Acta Physiol Hung** 1983;61(1–2):23–36

Changes in segmental reflexes following chronic spinal cord hemisection in the cat. II. Conditioned monosynaptic test reflexes. Hultborn H, et al. **Acta Physiol Scand** 1983 Dec; 119(4):423–33

Changes in segmental reflexes following chronic spinal cord hemisection in the cat. I. Increased monosynaptic and polysynaptic ventral root discharges. Hultborn H, et al. **Acta Physiol Scand** 1983 Dec;119(4):405–22

Time course of segmental reflex changes after chronic spinal cord hemisection in the rat. Malmsten J. **Acta Physiol Scand** 1983 Dec;119(4):435–43

Phasic variations of extracellular potassium during fictive swimming in the lamprey spinal cord in vitro. Wallén P, et al. **Acta Physiol Scand** 1984 Mar;120(3):457–63

Exteroceptive influences on lower limb motoneurons in man: spinal and supraspinal contributions. Delwaide PJ, et al. **Adv Neurol** 1983;39:797–807

Functional properties of spinal motoneurons and gradation of muscle force. Kernell D. **Adv Neurol** 1983;39:213–26

Direct electrical stimulation of corticospinal pathways through the intact scalp in human subjects. Marsden CD, et al. **Adv Neurol** 1983;39:387–91

Possible descending pathways mediating spontaneous tremor in monkeys. Ohye C, et al. **Adv Neurol** 1984;40:181–8

Gasser and Graham and spinal cord electrophysiology. Allison T, et al. **Am J Physiol** 1983 Dec;245(6):R751–4

'Functional polarity' of the spinal cord caused by its longitudinal electric dipole moment. Athenstaedt H. **Am J Physiol** 1984 Sep;247(3 Pt 2):R482–7

Raphe neurons with sympathetic-related activity: baroreceptor responses and spinal connections. Morrison SF, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R338–48

The fasciculus longitudinalis medialis in the lizard Varanus exanthematicus. 1. Interstitiospinal, reticulospinal and vestibulospinal components. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1984;169(2):177–84

Dopamine-containing neurons in the spinal cord: anatomy and some functional aspects. Lindvall O, et al. **Ann Neurol** 1983 Sep;14(3):255–60

Endogenous pain control systems: brainstem spinal pathways and endorphin circuitry. Basbaum AI, et al. **Annu Rev Neurosci** 1984;7:309–38 (182 ref.)

Spinal cord stimulation as a tool for physiological research. Dimitrijevic MR, et al. **Appl Neurophysiol** 1983; 46(5–6):245–53

Impulse frequency encoding of the dynamic aspects of excitation. Baldissera F. **Arch Ital Biol** 1984 Mar; 122(1):43–58

Ionic mechanisms underlying excitation-to-frequency transduction: studies by voltage clamp methods. Crill WE, et al. **Arch Ital Biol** 1984 Mar;122(1):31–41

Generation of grouped discharges by tectal projection cells. Grantyn A, et al. **Arch Ital Biol** 1984 Mar;122(1):59–71

The meaning of discharge rate: excitation-to-frequency transduction as studied in spinal motoneurones. Kernell D. **Arch Ital Biol** 1984 Mar;122(1):5–15

Sympathetic response and brain death [letter] Friedman AJ. **Arch Neurol** 1984 Jan;41(1):15

Extinction and retention of a classically conditioned flexor nerve response in acute spinal cat. Beggs AL, et al. **Behav Neurosci** 1983 Aug;97(4):530–40

The silent period in the stretch response of Ia-activated dorsal spino-cerebellar tract neurons to sinusoidal muscle stretch in cats. Kröller J, et al. **Biol Cybern** 1983;48(3):195–9

Spinal pathway of the milk-ejection reflex in the rat. Fukuoka T, et al. **Biol Reprod** 1984 Feb;30(1):74–81

The relative significance of spinal and supraspinal actions in the antinociceptive effect of morphine in the dorsal horn: an evaluation of the microinjection technique. Clark SL, et al. **Br J Pharmacol** 1983 Jul;79(3):807–18

Somatosensory evoked potentials following median nerve stimulation. I. The cervical components. Emerson RG, et al. **Brain** 1984 Mar;107 (Pt 1):169–82

The role of the corticospinal tract in the evolution of human digital dexterity. Heffner RS, et al. **Brain Behav Evol** 1983; 23(3–4):165–83

Spinal evoked potentials in normal Japanese infants and children. Hashimoto T, et al. **Brain Dev** 1984;6(1):33–6

Activity of cerebellar Purkinje cells during fictitious scratch reflex in the cat. Arshavsky YuI, et al. **Brain Res** 1984 Jan 2;290(1):33–41

Identification of spinal motoneurones in the weakly electric fish, Eigenmannia virescens. Baillet-Derbin C. **Brain Res** 1984 Mar 12;295(1):65–76

The periaqueductal gray projections to the rat spinal trigeminal, raphe magnus, gigantocellular pars alpha and paragigantocellular nuclei arise from separate neurons. Beitz AJ, et al. **Brain Res** 1983 Dec 12;288(1–2):307–14

Descending serotonergic, peptidergic and cholinergic pathways from the raphe nuclei: a multiple transmitter complex. Bowker RM, et al. **Brain Res** 1983 Dec 12; 288(1–2):33–48

Timecourse for receptive field plasticity following spinal cord hemisection. Brenowitz GL. **Brain Res** 1983 Nov 21; 279(1–2):250–3

Electrophysiological properties of spinally-projecting A5 noradrenergic neurons. Byrum CE, et al. **Brain Res** 1984 Jun 11;303(1):15–29

Depression of activities of dorsal horn convergent neurones by propriospinal mechanisms triggered by noxious inputs; comparison with diffuse noxious inhibitory controls (DNIC). Cadden SW, et al. **Brain Res** 1983 Sep 19; 275(1):1–11

Activation of brainstem serotoninergic pathways decreases homosynaptic depression of monosynaptic responses of frog spinal motoneurons. Cardona A, et al. **Brain Res** 1983 Dec 5;280(2):373–8

Paraventricular nucleus of the hypothalamus: an electrophysiological investigation of neurons projecting directly to intermediolateral nucleus in the cat. Caverson MM, et al. **Brain Res** 1984 Jul 9;305(2):380–3

Cardiovascular afferent inputs to neurons in the ventrolateral medulla projecting directly to the central autonomic area of the thoracic cord in the cat. Caverson MM, et al. **Brain Res** 1983 Sep 12;274(2):354–8

Fine afferent fibers from viscera do not terminate in the substantia gelatinosa of the thoracic spinal cord. Cervero F, et al. **Brain Res** 1984 Mar 5;294(2):370–4

Supraspinal connections of neurones in the thoracic spinal cord of the cat: ascending projections and effects of descending impulses. Cervero F. **Brain Res** 1983 Sep 26; 275(2):251–61

Characterization of synaptic potentials in hindlimb extensor motoneurons during L-DOPA-induced fictive locomotion in acute and chronic spinal cats. Chandler SH, et al. **Brain Res** 1984 Jun 11;303(1):91–100

Regeneration of locomotor command systems in the sea lamprey. Currie SN, et al. **Brain Res** 1983 Nov 21; 279(1–2):238–40

Definition of human reflex excitability by statistical analysis of quantal EMG responses. Davies TW. **Brain Res** 1984 Feb 20;293(2):386–9

Perfusion of the cervical spinal cord in situ of adult rats using a perfluorocarbon emulsion. Deutschmann W, et al. **Brain Res** 1983 Dec 5;280(2):239–49

Brainstem influences on transmission of somatosensory information in the spinocervicothalamic pathway. Dostrovsky JO. **Brain Res** 1984 Feb 6;292(2):229–38

Systematic mapping of descending inhibitory control by the medulla of nociceptive spinal neurones in cats. Edeson RO, et al. **Brain Res** 1983 Jul 25;271(2):251–62

Evidence that vasomotor neurons in the rostral ventrolateral medulla project to the spinal sympathetic outflow via the dorsomedial pressor area. Farlow DM, et al. **Brain Res** 1984 Apr 30;298(2):313–20

Descending control of reflex pathways in the production of voluntary isolated movements in man. Fournier E, et al. **Brain Res** 1983 Dec 12;288(1–2):375–7

Mechanosensitive neurons in the spinal cord of the lamprey. Grillner S, et al. **Brain Res** 1982 Mar 4;235(1):169–73

Electrical activities of the frog spinal cord are resistant to perfusion with hypoxic medium. Haji A, et al. **Brain Res** 1983 Sep 5;274(1):107–13

Do interneurones in lower lumbar segments contribute to the presynaptic depolarization of group I muscle afferents in Clarke's column? Harrison PJ, et al. **Brain Res** 1984 Mar 19;295(2):203–10

Changes in the effects of stimulation of locus coeruleus and nucleus raphe magnus following dorsal rhizotomy. Hodge CJ Jr, et al. **Brain Res** 1983 Dec 12;288(1–2):325–9

Activation history and constant errors in human force production. Hutton RS, et al. **Brain Res** 1984 Jul 30; 307(1–2):344–6

The exercise pressor reflex: evidence for an afferent pressor pathway outside the dorsolateral sulcus region. Iwamoto GA, et al. **Brain Res** 1984 Jan 30;292(1):160–4

On the origin of presynaptic depolarization of group I muscle afferents in Clarke's column in the cat. Jankowska E, et al. **Brain Res** 1984 Mar 19;295(2):195–201

Specific and potassium components in the depolarization of the la afferents in the spinal cord of the cat. Jiménez I, et al. **Brain Res** 1983 Aug 1;272(1):179–84

Intrathecal apamin selectively facilitates activity in ascending axons of rat spinal cord evoked by stimulation of afferent C fibers in sural nerve. Jurna I, et al. **Brain Res** 1983 Nov 28;280(1):186–9

Effects of periaqueductal gray and raphe magnus stimulation on the responses of spinocervical and other ascending projection neurons to non-noxious inputs. Kajander KC, et al. **Brain Res** 1984 Jan 16;291(1):29–37

Behavioral evidence for a cholinoceptive pontine inhibitory area: descending control of spinal motor output and sensory input. Katayama Y, et al. **Brain Res** 1984 Apr 2; 296(2):241–62

Regeneration of transected dorsal root ganglion cell axons into the spinal cord in adult frogs (Xenopus laevis). Katzenstein MB, et al. **Brain Res** 1984 May 21; 300(1):188–91

Location of the cutaneous trunci motor nucleus in the dog. Krogh JE, et al. **Brain Res** 1984 Mar 19;295(2):217–25

Descending control and sensory gating of 'fictive' swimming and turning responses elicited in an in vitro preparation of the lamprey brainstem/spinal cord. McClellan AD. **Brain Res** 1984 Jun 4;302(1):151–62

Neurotrophic and neuronotrophic effects in the regenerating newt limb bud after electrical stimulation of brachiospinal nerves. Maier CE, et al. **Brain Res** 1984 Jun 3;301(2):363–9

Spread of saphenous somatotopic projection map in spinal cord and hypersensitivity of the foot after chronic sciatic denervation in adult rat. Markus H, et al. **Brain Res** 1984 Mar 26;296(1):279–39

Lateral reticular regions and the descending control of dorsal horn neurones of the cat: selective inhibition by electrical stimulation. Morton CR, et al. **Brain Res** 1983 Sep 19; 275(1):13–21

Cross-correlation analysis of the response of units in the dorsal spinocerebellar tract (DSCT) to muscle stretch and contraction. Osborn CE, et al. **Brain Res** 1983 Dec 5; 280(2):339–42

Spinal afferents to the ventrobasal thalamic complex in the rat: an anatomical study using wheat-germ agglutinin conjugated to horseradish peroxidase. Peschanski M, et al. **Brain Res** 1983 Nov 14;278(1–2):240–4

Stress-induced analgesia in frogs: evidence for the involvement of an opioid system. Pezalla PD, et al. **Brain Res** 1984 Apr 2;296(2):356–60

Release of immunoassayable neurohypophyseal peptides from rat spinal cord, in vivo. Pittman QJ, et al. **Brain Res** 1984 May 23;300(2):321–6

The absence of specific dye-coupling among frog spinal neurons. Powell SL, et al. **Brain Res** 1984 Feb 27; 294(1):9–14

Reinnervation of the ventral root L7 from ventral horn neurons following intramedullary axotomy in adult cats. Risling M, et al. **Brain Res** 1983 Nov 28;280(1):15–23

Differential pulse voltammetry in the dorsal horn of the spinal cord of the anesthetized rat: are the voltammograms related to 5-HT and/or to 5-HIAA? Rivot JP, et al. **Brain Res** 1983 Sep 26;275(2):311–9

Effects of 4-aminopyridine on calcium action potentials and calcium current under voltage clamp in spinal neurons. Rogawski MA, et al. **Brain Res** 1983 Nov 28;280(1):180–5

Adrenaline synthesizing neurons in the rostral ventrolateral medulla: a possible role in tonic vasomotor control. Ross CA, et al. **Brain Res** 1983 Aug 29;273(2):356–61

Spontaneous dorsal root potentials arise from interneuronal activity in the isolated frog spinal cord. Ryan GP, et al. **Brain Res** 1984 Jun 3;301(2):331–41

Interactions of ventral tract and dorsal column inputs into the cat cuneate nucleus. Saadé NE, et al. **Brain Res** 1984 May 7;299(1):178–81

Synapse repression in cell culture. Schaffner AE, et al. **Brain Res** 1984 Feb;314(2):159–65

Natural cutaneous stimulation induces late and long-lasting facilitation of extensor motoneurons in the cat. Schieppati M, et al. **Brain Res** 1984 Feb 20;293(2):259–67

The spinal course and medullary termination of myelinated renal afferents in the rat. Simon OR, et al. **Brain Res** 1984 Jan 9;290(2):239–47

Spinal monoaminergic modulation of masculine copulatory behavior in the rat. Svensson L, et al. **Brain Res** 1984 Jun 8;302(2):315–21

Substance P immunoreactivity released from rat spinal cord after kainic acid excitation of the ventral medulla oblongata: a correlation with increases in blood pressure. Takano Y, et al. **Brain Res** 1984 Jan 16;291(1):168–72

Survival of HRP-labeled spinal motoneurons of chick embryo in tissue and cell cultures. Tanaka H, et al. **Brain Res** 1983 Sep;285(3):390–5

Mechanical changes in the amphibian spinal cord produced by afferent volleys of nerve impulses. Tasaki I, et al. **Brain Res** 1984 Jun 3;301(2):265–72

Swelling of frog dorsal root ganglion and spinal cord produced by afferent volley of impulses. Tasaki I, et al. **Brain Res** 1983 Aug 8;272(2):360–3

Receptive fields and responses to ionophoretically applied noradrenaline and 5-hydroxytryptamine of units recorded in laminae I–III of cat dorsal horn. Todd AJ, et al. **Brain Res** 1983 Dec 12;288(1–2):159–67

Inhibition of rat spinal cord dorsal horn neurons by non-segmental, noxious cutaneous stimuli. Tomlinson RW, et al. **Brain Res** 1983 Nov 21;279(1–2):291–4

Effects of delta 9-tetrahydrocannabinol on cat spinal motoneurons. Turkanis SA, et al. **Brain Res** 1983 Dec 12; 288(1–2):283–7

Slow excitatory transmission in rat dorsal horn: possible mediation by peptides. Urbán L, et al. **Brain Res** 1984 Jan 9;290(2):336–41

Cardiovascular reflexes arising from the gallbladder and pancreas in spinal and in decerebrate cats. Waldrop TG, et al. **Brain Res** 1984 May 14;299(2):358–62

Hydrogen peroxide as a source of molecular oxygen for in vitro mammalian CNS preparations. Walton K, et al. **Brain Res** 1983 Nov 14;278(1–2):387–93

Dorsolateral funiculus and intraspinal pathways mediate vaginal stimulation-induced suppression of nociceptive responding in rats. Watkins LR, et al. **Brain Res** 1984 Feb 27;294(1):59–65

Single unit studies of identified bulbospinal serotonergic units. Wessendorf MW, et al. **Brain Res** 1983 Nov 21; 279(1–2):93–103

Adaptive plasticity and diurnal rhythm in the primate spinal stretch reflex are independent phenomena. Wolpaw JR, et al. **Brain Res** 1984 May 23;300(2):385–91

Adaptive plasticity in the primate spinal stretch reflex: reversal and re-development. Wolpaw JR. **Brain Res** 1983 Nov 14;278(1–2):299–304

The cutaneous contribution to the hamstring flexor reflex

in the rat: an electrophysiological and anatomical study. Woolf CJ, et al. **Brain Res** 1984 Jun 15;303(2):299–312

Possible projections from regions of paraventricular and supraoptic nuclei to the spinal cord: electrophysiological studies. Yamashita H, et al. **Brain Res** 1984 Apr 2; 296(2):373–8

Reorganization of cerebral control of tactile placing after interrupting a spinal ascending system in cats with pyramid section. Yu J. **Brain Res** 1984 Jan 2;290(1):19–23

Electromyographic study of lumbar back muscles during locomotion in acute high decerebrate and in low spinal cats. Zomlefer MR, et al. **Brain Res** 1984 Jan 9; 290(2):249–60

The maturation of myelin. Rafalowska J. **Bull Soc Belge Ophtalmol** 1983 Nov;208:69–74

Properties of locomotor generators in man. Dickinson J, et al. **Can J Appl Sport Sci** 1984 Jun;9(2):102–6

Actions of verapamil on the excitability of cultured neurones. MacDonald JF, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1467–72

Intraoperative evoked potential monitoring of the spinal cord. A restricted filter, scalp method during Harrington instrumentation for scoliosis. Nuwer MR, et al. **Clin Orthop** 1984 Mar;(183):42–50

Spinal cord monitoring as a clinical utilization of the spinal evoked potential. Tamaki T, et al. **Clin Orthop** 1984 Apr; (184):58–64

Excitable membrane properties of cultured central nervous system neurons and clonal pituitary cells. Barker JL, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:259–68

Cytochemical and physiological properties of sensory and dorsal horn neurons that transmit cutaneous sensation. Dodd J, et al. **Cold Spring Harbor Symp Quant Biol** 1983; 48 Pt 2:685–95

Supersensitivity of the GABA receptor in the frog spinal cord, as induced by kainic acid. Ono H, et al. **Comp Biochem Physiol [C]** 1983;76(2):231–6

Cell death of asynaptic neurons in regenerating spinal cord. Anderson MJ, et al. **Dev Biol** 1984 Jun;103(2):443–55

The effects of conditioned media on spinal neurites: substrate-associated changes in neurite direction and adherence. Gundersen RW, et al. **Dev Biol** 1984 Jul; 104(1):18–27

Developmental and aging changes in somatosensory, auditory and visual evoked potentials. Allison T, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;58(1):14–24

Spinal and far-field components of human somatosensory evoked potentials to posterior tibial nerve stimulation analysed with oesophageal derivations and non-cephalic reference recording. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):635–51

A new indirect method for measuring spinal conduction velocity in man. Eisen A, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 59(3):204–13

Spine and scalp somatosensory evoked potentials in normal subjects and patients with spinal cord disease: evaluation of afferent transmission. Schiff JA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep; 59(5):374–87

Pathways of ascending evoked spinal cord potentials of dogs. Snyder BG, et al. **Electroencephalogr Clin Neurophysiol** 1984 Aug;58(2):140–54

Blockade of the preovulatory release of gonadotropins and prolactin by spinal transections in female rats. Nishihara M, et al. **Endocrinol Jpn** 1983 Jun;30(3):319–27

Spinal antagonism of tolerance and dependence induced by systemically administered morphine. Delander GE, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):35–42

The relevance of cholinergic transmission at the spinal level to opiate effectiveness. Dirksen R, et al. **Eur J Pharmacol** 1983 Jul 22;91(2–3):215–21

Dependence in the absence of tolerance to morphine. Johnson SM, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):305–8

Firing of spinal motoneurones due to electrical interaction in the rat: an in vitro study. Arasaki K, et al. **Exp Brain Res** 1984;54(3):437–45

Origin of signals conveyed by the ventral spino-cerebellar tract and spino-reticulo-cerebellar pathway. Arshavsky Yul, et al. **Exp Brain Res** 1984;54(3):426–31

The capacity for generation of rhythmic oscillations is distributed in the lumbosacral spinal cord of the cat. Deliagina TG, et al. **Exp Brain Res** 1983;53(1):81–90

Anatomical study and HRP identification of electromotoneurons and motoneurons in the spinal cord of Gymnarchus niloticus. Denizot JP, et al. **Exp Brain Res** 1983;53(1):99–108

Variability of postural 'reflexes' in humans. Diener HC, et al. **Exp Brain Res** 1983;52(3):423–8

Peripheral and central control of flexor digitorum longus and flexor hallucis longus motoneurons: the synaptic basis of functional diversity. Fleshman JW, et al. **Exp Brain Res** 1984;54(1):133–49

A re-evaluation of the pattern of group I fibre projections in the human lower limb on using randomly alternated stimulations. Fournier E, et al. **Exp Brain Res** 1984; 56(1):193–5

A physiological study of identification, axonal course and cerebellar projection of spinocerebellar tract cells in the central cervical nucleus of the cat. Hirai N, et al. **Exp Brain Res** 1984;55(2):272–85

Neck muscle afferent input to spinocerebellar tract cells of the central cervical nucleus in the cat. Hirai N, et al. **Exp Brain Res** 1984;55(2):286–300

Cerebral cortical areas of origin of excitation and inhibition of rubrospinal cells in the cat. Jeneskog T, et al. **Exp Brain Res** 1983;50(2–3):309–20

Unilateral behavioural thermosensitivity after transection of one lateral funiculus in the cervical spinal cord of the cat. Norrsell U. **Exp Brain Res** 1983;53(1):71–80

Reproducible increases in intramammary pressure after spinal cord stimulation in lactating rats. Poulain DA, et al. **Exp Brain Res** 1984;55(2):313–6

Demonstration of spinocerebellar projections in cat using anterograde transport of WGA-HRP, with some observations on spinomesencephalic and spinothalamic projections. Robertson B, et al. **Exp Brain Res** 1983; 52(1):99–104

Effects of motor cortex stimulation on spinal interneurones in intact man. Rothwell JC, et al. **Exp Brain Res** 1984; 54(2):382–4

Synaptic connexions between primary afferents and thoracic motoneurones in the frog. Shapovalov AI, et al. **Exp Brain Res** 1984;53(2):467–72

Ascending spinal axons that signal the position of the hindlimbs under static conditions: location and receptor input. Wei JY, et al. **Exp Brain Res** 1984;54(1):7–22

Responses of T2–T4 spinal neurons to stimulation of the greater splanchnic nerves of the cat. Ammons WS, et al. **Exp Neurol** 1984 Feb;83(2):288–301

Spinal motoneuron dendritic alteration after spinal cord hemisection in the rat. Bernstein JJ, et al. **Exp Neurol** 1984 Mar;83(3):548–54

Evaluation of transected spinal cord regeneration in the rat. de la Torre JC, et al. **Exp Neurol** 1984 Apr;84(1):188–206

Neural influences on the distribution of troponin I isotypes in the cat. Eldridge L, et al. **Exp Neurol** 1984 Feb; 83(2):328–46

Long-term survival of peripheral axons that have reinnervated the spinal cord. Kingsley RE, et al. **Exp Neurol** 1984 May;84(2):341–57

Extra- and intracellular recordings from dorsal column postsynaptic spinomedullary neurons in the cat. Lu GW, et al. **Exp Neurol** 1983 Nov;82(2):456–77

Inhibition and excitation of thoracic spinoreticular neurons by electrical stimulation of vagal afferent nerves. Thies R, et al. **Exp Neurol** 1983 Oct;82(1):1–16

Electrophysiologic evidence of regeneration of lamprey spinal neurons. Yin HS, et al. **Exp Neurol** 1984 Mar; 83(3):618–28

Distribution of bilateral dorsal root potentials evoked by volleys in afferents entering lumbar and sacral segments of the spinal cord. Wójcik G, et al. **Experientia** 1984 Mar 15;40(3):298–9

Vasopressin and oxytocin in the neural control of the circulation. Schmid PG, et al. **Fed Proc** 1984 Jan; 43(1):97–102

Vasopressinergic and oxytocinergic pathways in the central nervous system. Zimmerman EA, et al. **Fed Proc** 1984 Jan; 43(1):91–6

Changes in glial elements in the spinal cord of the hibernating bat. Imrychová A, et al. **Folia Morphol (Praha)** 1983; 31(4):399–403

Supraspinal tonic influence on spinal reflexes and involvement in the effect of chlorpromazine. Hino M, et al. **Gen Pharmacol** 1984;15(2):155–8

Lesions of epinephrine neurons in the rostral ventrolateral medulla abolish the vasodepressor components of baroreflex and cardiopulmonary reflex. Granata AR, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V80–4

A theory on the lability and stability of spinal motoneuron soma size and induction of synaptogenesis in the adult spinal cord. Krishnan RV. **Int J Neurosci** 1983 Nov; 21(3–4):279–92

Direct pathway from cardiovascular neurons in the ventrolateral medulla to the region of the intermediolateral nucleus of the upper thoracic cord: an anatomical and electrophysiological investigation in the cat. Caverson MM, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):451–75

Spinally projecting neurones near the ventral surface of the medulla in the cat. Lovick TA, et al. **J Auton Nerv Syst** 1984 Jul;11(1):27–33

Lumbar spinal cord responses to limb vein distention. Thompson FJ, et al. **J Auton Nerv Syst** 1983 Nov; 9(2–3):531–46

Spinal site of antiarrhythmic action of morphine and pethidine in normal and spinal cord transected dogs. Pant KK, et al. **J Auton Pharmacol** 1984 Mar;4(1):11–5

Adrenergic influences on the spinal cardiovascular neurones. Pant KK, et al. **J Auton Pharmacol** 1983 Dec;3(4):241–8

Myelin breakdown and elimination in the posterior funiculus of the adult cat after dorsal rhizotomy: a light and electron microscopic qualitative and quantitative study. Franson P, et al. **J Comp Neurol** 1984 Feb 10;223(1):138–51

A diffuse alpha MSH-immunoreactive projection to the hippocampus and spinal cord from individual neurons in the lateral hypothalamic area and zona incerta. Köhler C, et al. **J Comp Neurol** 1984 Mar 10;223(4):501–14

The growth of neurites from explants of brachial spinal cord exposed to different components of wing bud mesenchyme. Nurcombe V, et al. **J Comp Neurol** 1983 Sep 10; 219(2):133–42

The large fourth abdominal intersegmental interneuron: a new type of wind-sensitive ventral cord interneuron in locusts. Pflüger HJ. **J Comp Neurol** 1984 Jan 20; 222(3):343–57

Somatostatin in the caudal spinal cord: an immunohistochemical study of the spinal centers involved in the innervation of pelvic organs. Schröder HD. **J Comp Neurol** 1984 Mar 1;223(3):400–14

Glycine uptake by lamprey spinal neurons demonstrated by light microscopic autoradiography. Sheridan PH, et al. **J Comp Neurol** 1984 Feb 20;223(2):252–8

Topography of spinal, dorsal column nuclear, and spinal trigeminal projections to the pontine gray in rats. Swenson RS, et al. **J Comp Neurol** 1984 Jan 10;222(2):301–11

The inferior olive of a prosimian primate Galago senegalensis. I. Conformation and spino-olivary projections. Whitworth RH Jr, et al. **J Comp Neurol** 1983 Sep 10;219(2):215–27

Regeneration of long spinal axons in the rat. Richardson PM, et al. **J Neurocytol** 1984 Feb;13(1):165–82

Cutaneous nerve stimulation and motoneuronal excitability. II: Evidence for non-segmental influences. Delwaide PJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):190–6

Neural transplantation in the spinal cord of adult rats. Conditions, survival, cytology and connectivity of the transplants. Das GD. **J Neurol Sci** 1983 Dec; 62(1–3):191–210

Vagal afferent inhibition of primate thoracic spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1983 Oct; 50(4):926–40

Convergence onto interneurons subserving primary afferent depolarization of group I afferents. Brink E, et al. **J Neurophysiol** 1984 Mar;51(3):432–49

Quantitative comparison of inhibition in spinal cord of nociceptive information by stimulation in periaqueductal gray or nucleus raphe magnus of the cat. Gebhart GF, et al. **J Neurophysiol** 1983 Dec;50(6):1433–45

Inhibition of spinal nociceptive information by stimulation in midbrain of the cat is blocked by lidocaine microinjected in nucleus raphe magnus and medullary reticular formation. Gebhart GF, et al. **J Neurophysiol** 1983 Dec;50(6):1446–59

Inhibition in spinal cord of nociceptive information by electrical stimulation and morphine microinjection at identical sites in midbrain of the cat. Gebhart GF, et al. **J Neurophysiol** 1984 Jan;51(1):75–89

Postsynaptic dorsal column pathway of the rat. I. Anatomical studies. Giesler GJ Jr, et al. **J Neurophysiol** 1984 Feb; 51(2):260–75

Relations among threshold, spike height, electrode distance, and conduction velocity in electrical stimulation of certain medullospinal neurons. Hentall ID, et al. **J Neurophysiol** 1984 May;51(5):968–77

Dorsolateral pontine inhibition of dorsal horn cell responses to cutaneous stimulation: lack of dependence on catecholaminergic systems in cat. Hodge CJ Jr, et al. **J Neurophysiol** 1983 Nov;50(5):1220–35

Responses of medullary reticulospinal neurons to sinusoidal stimulation of labyrinth receptors in decerebrate cat. Manzoni D, et al. **J Neurophysiol** 1983 Nov;50(5):1059–79

Central compensation of vestibular deficits. II. Influences of roll tilt on different-size lateral vestibular neurons after ipsilateral labyrinth deafferentation. Pompeiano O, et al. **J Neurophysiol** 1984 Jul;52(1):18–38

Sites of action of segmental and descending control of transmission on pathways mediating PAD of Ia- and Ib-afferent fibers in cat spinal cord. Rudomín P, et al. **J Neurophysiol** 1983 Oct;50(4):743–69

Activity evoked by A- and C-afferent fibers in rat dorsal horn neurons and its relation to a flexion reflex. Schouenborg J, et al. **J Neurophysiol** 1983 Nov; 50(5):1108–21

Spinal cord pathways involved in initiation of swimming in the stingray, Dasyatis sabina: spinal cord stimulation and lesions. Williams BJ, et al. **J Neurophysiol** 1984 Mar; 51(3):578–91

Primate raphe- and reticulospinal neurons: effects of stimulation in periaqueductal gray or VPLc thalamic nucleus. Willis WD, et al. **J Neurophysiol** 1984 Mar; 51(3):467–80

Tonic neck reflex of the decerebrate cat: response of spinal interneurons to natural stimulation of neck and vestibular receptors. Wilson VJ, et al. **J Neurophysiol** 1984 Mar; 51(3):567–77

Adaptive plasticity in primate spinal stretch reflex: initial development. Wolpaw JR, et al. **J Neurophysiol** 1983 Dec; 50(6):1296–311

Adaptive plasticity in primate spinal stretch reflex: behavior of synergist and antagonist muscles. Wolpaw JR, et al. **J Neurophysiol** 1983 Dec;50(6):1312–9

Effects of chronic suppression of bioelectric activity on the development of sensory ganglion evoked responses in spinal cord explants. Baker RE, et al. **J Neurosci** 1984 May; 4(5):1187–92

Serotonin involvement in descending inhibition of spinal nociceptive transmission produced by stimulation of medial diencephalon and basal forebrain. Carstens E, et al. **J Neurosci** 1983 Oct;3(10):2112–20

Substance P-containing pathways to avian sympathetic preganglionic neurons: evidence for major spinal-spinal circuitry. Davis BM, et al. **J Neurosci** 1984 Aug; 4(8):2145–59

gamma-Aminobutyric acid directly depolarizes cultured oligodendrocytes. Gilbert P, et al. **J Neurosci** 1984 Feb;

4(2):561–9
Physiological evidence for specificity of synaptic connections between individual sensory and motor neurons in the brachial spinal cord of the bullfrog. Lichtman JW, et al. **J Neurosci** 1984 Jul;4(7):1745–53
A transient potassium conductance regulates the excitability of cultured hippocampal and spinal neurons. Segal M, et al. **J Neurosci** 1984 Feb;4(2):604–9
A technique for recording from single neurons in the spinal cord of the awake cat. Marshall KW, et al. **J Neurosci Methods** 1984 Apr;10(4):249–57
Mechanisms of depressant action of muscle relaxants on spinal reflexes: participation of membrane stabilizing action. Ono H, et al. **J Pharmacobiodyn** 1984 Mar;7(3):171–6
Roles of mu, delta and kappa opioid receptors in spinal and supraspinal mediation of gastrointestinal transit effects and hot-plate analgesia in the mouse. Porreca F, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):341–8
The spinal cord as a site of opioid effects on gastrointestinal transit in the mouse. Porreca F, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):22–7
Sensory physiology, anatomy and immunohistochemistry of Rohon-Beard neurones in embryos of Xenopus laevis. Clarke JD, et al. **J Physiol (Lond)** 1984 Mar;348:511–25
Excitatory amino acid receptors in Xenopus embryo spinal cord and their role in the activation of swimming. Dale N, et al. **J Physiol (Lond)** 1984 Mar;348:527–43
Axonal projections from the rostral expiratory neurones of the Bötzinger complex to medulla and spinal cord in the cat. Fedorko L, et al. **J Physiol (Lond)** 1984 May; 350:487–96
Effect of synchronous activation of medullary inspiratory bulbo-spinal neurones on phrenic nerve discharge in cat. Feldman JL, et al. **J Physiol (Lond)** 1984 Feb;347:241–54
Influence of stretch-evoked synaptic potentials on firing probability of cat spinal motoneurones. Gustafsson B, et al. **J Physiol (Lond)** 1984 Feb;347:431–51
The same interneurones mediate inhibition of dorsal spinocerebellar tract cells and lumbar motoneurones in the cat. Hongo T, et al. **J Physiol (Lond)** 1983 Sep;342:161–80
Inhibition of dorsal spinocerebellar tract cells by interneurones in upper and lower lumbar segments in the cat. Hongo T, et al. **J Physiol (Lond)** 1983 Sep;342:145–59
Restoration of function in external intercostal motoneurones of the cat following partial central deafferentation. Kirkwood PA, et al. **J Physiol (Lond)** 1984 May;350:225–51
Activation patterns of embryonic chick hind limb muscles recorded in ovo and in an isolated spinal cord preparation. Landmesser LT, et al. **J Physiol (Lond)** 1984 Feb; 347:189–204
Somatotopically inappropriate projections of single hair follicle afferent fibres to the cat spinal cord. Meyers DE, et al. **J Physiol (Lond)** 1984 Feb;347:59–73
Fictive locomotion in the lamprey spinal cord in vitro compared with swimming in the intact and spinal animal. Wallén P, et al. **J Physiol (Lond)** 1984 Feb;347:225–39
On the multiplicity of neuronal pathways from muscle spindles and tendon organs and their selection in the cat. Jankowska E. **J Physiol (Paris)** 1982–83;78(8):772–4 (22 ref.)
The arteria radicularis magna anterior as a decisive factor influencing spinal cord damage during aortic occlusion. Wadouh F, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):1–10
Multiple embryonic benzodiazepine binding sites: evidence for functionality. Chan CY, et al. **Life Sci** 1983 Nov 21; 33(21):2061–9
Effects of morphine on noxious stimuli-induced release of substance P from rabbit dorsal horn in vivo. Kuraishi Y, et al. **Life Sci** 1983;33 Suppl 1:693–6
Analgesic effects of mu-, delta- and kappa-opiate agonists and, in particular, dynorphin at the spinal level. Przewłocki R, et al. **Life Sci** 1983;33 Suppl 1:649–52
Differential association of spinal mu, delta and kappa opioid receptors with cutaneous thermal and visceral chemical nociceptive stimuli in the rat. Schmauss C, et al. **Life Sci** 1983;33 Suppl 1:653–6
The effect of spinal cord transection on motor units in cat medial gastrocnemius muscles. Mayer RF, et al. **Muscle Nerve** 1984 Jan;7(1):23–31
Cross-section of the spinal cord [news] Altman J. **Nature** 1984 Aug 30–Sep 5;310(5980):730
Voltage-dependent block by Mg2+ of NMDA responses in spinal cord neurones. Mayer ML, et al. **Nature** 1984 May 17–23;309(5965):261–3
Prevention of natural motoneurone cell death by dibutyryl cyclic GMP. Weill CL, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):452–4
Substantia gelatinosa neurones hyperpolarized in vitro by enkephalin. Yoshimura M, et al. **Nature** 1983 Oct 6–12; 305(5934):529–30
Specification of tecto-motor outflow in toads by antidromic stimulation of tecto-bulbar/spinal pathways. Satou M, et al. **Naturwissenschaften** 1984 Jan;71(1):52–3
Evidence for two distinct sympathoinhibitory bulbo-spinal systems. Bernthal PJ, et al. **Neuropharmacology** 1984 Jan; 23(1):31–6
The effects of lesions produced by 5,7-dihydroxytryptamine on 5-hydroxytryptamine-mediated behaviour induced by amphetamine in large doses in the rat. Dickinson SL, et al. **Neuropharmacology** 1984 Apr;23(4):423–9
The role of spinal pathways in dopamine mediated alteration in the tail-flick reflex in rats. Jensen TS, et al. **Neuropharmacology** 1984 Feb;23(2A):149–53
Mechanism of Sechenov inhibition. Tonkikh AV. **Neurosci Behav Physiol** 1983 Jul-Aug;13(4):229–34
Selective lesions of the bulbospinal serotonergic pathways reduce the analgesia induced by p-chloroamphetamine in the hot-plate test. Berge OG, et al. **Neurosci Lett** 1984 Jan 27;44(1):25–9
Regeneration and protein synthesis in the spinal cord: the influence of ACTH-like peptides on cell-free protein synthesis. Bijlsma WA, et al. **Neurosci Lett** 1983 Aug 8; 38(3):297–302
Naloxone does not consistently affect inhibition of spinal nociceptive transmission produced by medial diencephalic stimulation in the cat. Carstens E, et al. **Neurosci Lett** 1983 Nov 21;42(1):71–6
Spinal and supraspinal reflex pathways of cardio-cardiac sympathetic reflexes. Coote JH. **Neurosci Lett** 1984 May 18;46(3):243–7
The distribution of afferent fibers from the gastrocnemius-soleus muscle in the dorsal horn of the cat, as revealed by the transport of horseradish peroxidase. Craig AD, et al. **Neurosci Lett** 1983 Nov 11;41(3):233–8
Corrective reactions to stumbling in man: functional significance of spinal and transcortical reflexes. Dietz V, et al. **Neurosci Lett** 1984 Feb 10;44(2):131–5
Electrophysiological properties of cortical synaptic inputs of rubro-spinal neurons. Fanardjian VV, et al. **Neurosci Lett** 1983 Oct 10;40(3):269–73
Developmental change in choline acetyltransferase activity in nerve endings of latissimus dorsii muscles in the chick embryo: influence of chronic spinal cord stimulation. Gardahaut MF, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):299–302
Low threshold mechanical stimulation of the vagina depresses dorsal horn unit activity in the spinal cat. Henry JL. **Neurosci Lett** 1983 Aug 8;38(3):257–62
Spontaneous respiratory activity of phrenic and intercostal Renshaw cells. Hilaire G, et al. **Neurosci Lett** 1983 Dec 23;43(1):97–101
Increase of extensor tonus of forelimbs in chronic cats with bilateral serial hemisections of the spinal cord at different levels. Kato M, et al. **Neurosci Lett** 1983 Nov 11; 41(3):289–93
Is there electrical coupling between phrenic motoneurons in cats? Lipski J. **Neurosci Lett** 1984 May 4;46(2):229–34
Wiring diagrams of functional connectivity in monosynaptic reflex arcs of the spinal cord. Lüscher HR, et al. **Neurosci Lett** 1984 Mar 23;45(2):217–22
Synapse formation and synaptic activity in mammalian nerve-muscle co-culture are not inhibited by antibodies to neural cell adhesion molecule L1. Mehrke G, et al. **Neurosci Lett** 1984 Feb 24;44(3):235–9
Properties of the GABA receptors located on spinal primary afferent neurones and hypophyseal neuroendocrine cells of the rat. Schlichter R, et al. **Neurosci Lett** 1984 Jun 29; 47(3):257–63
Convergence of cardiac and cutaneous afferents onto neurons in the dorsal horn of the spinal cord in the cat. Takahashi M, et al. **Neurosci Lett** 1983 Aug 8;38(3):251–6
Projections from the interstitial nucleus of Cajal to the inferior olive and to the spinal cord in cat: a retrograde fluorescent double-labeling study. Zuk A, et al. **Neurosci Lett** 1983 Jul 29;38(2):95–101
Spatio-temporal organization of a branched tecto-spinal/tecto-diencephalic neuronal system. Chevalier G, et al. **Neuroscience** 1984 Jun;12(2):427–39
Opioid neurons and pain modulation: an ultrastructural analysis of enkephalin in cat superficial dorsal horn. Glazer EJ, et al. **Neuroscience** 1983 Oct;10(2):357–76
Do retinal a:] spinal projections overlap within the turtle thalamus? Künzle H, et al. **Neuroscience** 1983 Sep; 10(1):161–8
Fine structure of normal and degenerating primary afferent boutons associated with characterized spinocervical tract neurons in the cat. Maxwell DJ, et al. **Neuroscience** 1984 May;12(1):151–63
A spino-reticulo-thalamic pathway in the rat: an anatomical study with reference to pain transmission. Peschanski M, et al. **Neuroscience** 1984 May;12(1):165–78
Convergence and interaction of neck and macular vestibular inputs on reticulospinal neurons. Pompeiano O, et al. **Neuroscience** 1984 May;12(1):111–28
Responses of medullary reticulospinal neurons to sinusoidal rotation of neck in the decerebrate cat. Srivastava UC, et al. **Neuroscience** 1984 Feb;11(2):473–86
Modification of muscle responses by spinal circuitry. Stein RB, et al. **Neuroscience** 1984 Jan;11(1):231–40
Evoked electrospinogram from the epidural space by the stimulation of saphenous nerve in dog. Kawai M, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):507–15
The inhibitory effects of thalamic stimulation on the spinal transmission of nociceptive information in the rat. Dickenson A. **Pain** 1983 Nov;17(3):213–24
Peripheral and central substrates involved in the rostrad transmission of nociceptive information [letter] Wolstencroft JH. **Pain** 1983 Nov;17(3):310–5
Long term alterations in the excitability of the flexion reflex produced by peripheral tissue injury in the chronic decerebrate rat. Woolf CJ. **Pain** 1984 Apr;18(4):325–43
A possible involvement of the central endorphin system in the autoanalgesia induced by chronic administration of Freund's adjuvant solution in rats. Yonehara N, et al. **Pain** 1983 Sep;17(1):91–8
Analgesia after lesions of nucleus reticularis magnocellularis: differential effect on supraspinal versus spinal pain reflexes. Zemlan FP, et al. **Pain** 1984 Mar;18(3):221–37
Alteration of shock titration thresholds in the cat following intrathecal substance P administration. Wolf DL, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):477–9
Increase in oxygen consumption induced by selective spinal cord cooling in the exercising pigeon. Nomoto S, et al. **Pflugers Arch** 1983 Aug;398(3):262–3
Relation between cell size and response characteristics of medullary reticulospinal neurons to labyrinth and neck inputs. Pompeiano O, et al. **Pflugers Arch** 1983 Sep; 398(4):298–309
Learned tolerance to ethanol in the spinal cord. Jørgensen HA, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):789–92
The effect of opiate treatment on the postdecapitation reflex and monoamine metabolism in the rat spinal cord. Plaznik A, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):427–9
Impairment or abolition of lordosis in the golden hamster by transection of spinal pathways. Rose JD, et al. **Physiol Behav** 1983 Dec;31(6):801–6
Modifiability of spinal synapses. Mendell LM. **Physiol Rev** 1984 Jan;64(1):260–324 (360 ref.)
Roles for retrograde factors in synapse formation at the nerve-muscle junction. Henderson CE. **Prog Brain Res** 1983;58:369–73
Morphology of vasopressin and oxytocin neurones and their central and vascular projections. Sofroniew MV. **Prog Brain Res** 1983;60:101–14
Statistical analysis of ongoing activity of neurones in the substantia gelatinosa and in lamina III of cat spinal cord. Steedman WM, et al. **Q J Exp Physiol** 1983 Oct; 68(4):733–46
Neurotransmitters in spinal cord. Krnjević K. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):320–1
Spinal sympathetic pathway: an enkephalin ladder. Romagnano MA, et al. **Science** 1984 Aug 17; 225(4663):737–9
Identification of common interneurons mediating pre- and postsynaptic inhibition in the cat spinal cord. Solodkin M, et al. **Science** 1984 Jun 29;224(4656):1453–6
Temperature effects on feline cortical and spinal evoked potentials. Gollehon D, et al. **Spine** 1983 Jul-Aug; 8(5):443–6
Motor pattern formation in the dogfish spinal cord. Roberts BL, et al. **Symp Soc Exp Biol** 1983;37:331–50
Identified neurons in the lamprey spinal cord and their roles in fictive swimming. Rovainen CM. **Symp Soc Exp Biol** 1983;37:305–30
[Spinal and cerebral somatosensory evoked potentials in single and double stimulation of the tibial nerve] Gerhard H, et al. **Arch Psychiatr Nervenkr** 1983;233(4):297–306 (Eng. Abstr.) **(Ger)**
[Peripheral and central neural conduction in the rat] Claus D, et al. **EEG EMG** 1983 Sep;14(3):160–3 (Eng. Abstr.) **(Ger)**
[Generation of spontaneous respiratory rhythm in the spinal cat] Aoki M, et al. **Kokyu To Junkan** 1984 May;32(5):441–7 (56 ref.) **(Jpn)**
[Neural control of the respiratory muscles] Arita H. **Kokyu To Junkan** 1984 May;32(5):465–74 (63 ref.) **(Jpn)**
[Object of stimulation by the epidural electrode: significance of stimulation-induced analgesia] Mori K. **Masui** 1983 Aug; 32(8):913 **(Jpn)**
[Effects of intravenous morphine on responses of the spinal cord wide dynamic range (WDR) neurons to heat and tactile stimuli] Tsubaki T. **Masui** 1984 Jan;33(1):16–24 (Eng. Abstr.) **(Jpn)**
[Neuropeptides of the motor system] Kanazawa I. **Nippon Rinsho** 1983 May;41(5):984–9 (37 ref.) **(Jpn)**
[Spinal cord stimulation for post-apoplectic spastic hemiplegia] Nakamura S, et al. **No Shinkei Geka** 1984 Mar; 12(4):485–91 (Eng. Abstr.) **(Jpn)**
[Characteristics of the rhythmic activity of a normal and a damaged heart during hyperactivity of spinal cord preganglionic neurons] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):14–6 (Eng. Abstr.) **(Rus)**
[Method of prolonged perfusion of the spinal cord central canal in the adult cat in vivo in neurophysiological studies] Sverdlov IuS, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):103–4 (Eng. Abstr.) **(Rus)**
[Formation of postural asymmetry in rat hindlimbs during colchicine-induced unilateral blockade of axonal transport in cortico-lumbar projections] Varlinskaia EI, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):259–61 (Eng. Abstr.) **(Rus)**
[Effect of antidromic and paired orthodromic stimulations on deafferented spinal cord motoneurons] Makiĭ EA, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):140–5 (Eng. Abstr.) **(Rus)**
[Measurement of postsynaptic currents in frog motor neurons by the single-electrode voltage clamping technic] Kurchavyĭ GG, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):94–7 **(Rus)**
[Mechanism of the occurrence of evoked motor activity in the lymphatic center of the frog] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1200–6 (Eng. Abstr.) **(Rus)**

[Synaptic effects evoked in the spinal cord motor neurons of the frog by adequate stimulation of muscle spindles] Shiriaev BI. **Fiziol Zh SSSR** 1983 Sep;69(9):1157–63 (Eng. Abstr.) **(Rus)**

[Active selection of afferent information—the principle underlying peripheral correction of the function of spinal generators of rhythmic movements] Baev KV. **Neirofiziologiia** 1984;16(3):343–53 (Eng. Abstr.) **(Rus)**

[Postsynaptic processes in rubrospinal neurons of the cat brain exposed to different corticofugal influences] Fanardzhian VV, et al. **Neirofiziologiia** 1984;16(1):67–74 (Eng. Abstr.) **(Rus)**

[Rate of axoplasmic transport in the ventral roots of the spinal cord of the rat in old age and its relation to the level of energy metabolism] Frol'kis VV, et al. **Neirofiziologiia** 1984;16(2):189–94 (Eng. Abstr.) **(Rus)**

[Reticular neurons with double axon projections: participation in execution of the reflex startle response in the cat] Karpukhina MV, et al. **Neirofiziologiia** 1983; 15(4):431–4 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the upper cervical segments of the spinal cord in the cat to stimulation of the locomotor region of the brain stem with different frequencies] Kazennikov OV, et al. **Neirofiziologiia** 1983;15(4):355–61 (Eng. Abstr.) **(Rus)**

[Detection and analysis of recurrent inhibition of spiking human motor neurons] Kudina LP, et al. **Neirofiziologiia** 1984;16(1):88–96 (Eng. Abstr.) **(Rus)**

[Neuronal organization of coeruleo-spinal connections in the cat] Piliavskii AI, et al. **Neirofiziologiia** 1984;16(3):362–74 (Eng. Abstr.) **(Rus)**

[Changes in spino-bulbo-spinal reflexes during activation and inactivation of the locus coeruleus in the cat] Vankov A, et al. **Neirofiziologiia** 1984;16(2):265–8 (Eng. Abstr.) **(Rus)**

[Neurophysiological aspects of thermoregulatory mechanisms of the spinal cord] Tleulin SZh. **Usp Fiziol Nauk** 1984 Jan–Mar;15(1):100–14 (106 ref.) **(Rus)**

[Extracardiac and intracardiac neural regulation of the heart] Kositskii GI. **Vestn Akad Med Nauk SSSR** 1984;(4):29–32 (Eng. Abstr.) **(Rus)**

[Focal spinal cord potentials in the postnatal ontogeny of the rat] Bursian AV. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb; 20(1):54–60 (Eng. Abstr.) **(Rus)**

[Periodicity of corticospinal motor reactions of rat pups] Elshina MA, et al. **Zh Evol Biokhim Fiziol** 1983 Nov–Dec; 19(6):600–3 (Eng. Abstr.) **(Rus)**

[Electrotonic transmission between primary afferent fibers and the motor neurons of the isolated spinal cord of various representative amphibians] Shiriaev BI. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):500–2 (Eng. Abstr.) **(Rus)**

[The effect and use of opiates at the level of the spinal medulla] Križ M. **Lijec Vjesn** 1984 May;106(5):203–4 **(Scr)**

PHYSIOPATHOLOGY

The relationship between needling sensation and acupuncture effects, with special reference to their ascending pathway in the spinal cord. Li SC, et al. **Acupunct Electrother Res** 1983;8(2):105–10

Spinal somatosensory evoked potentials in juvenile diabetes. Cracco J, et al. **Ann Neurol** 1984 Jan;15(1):55–8

Spinal cord stimulation in peripheral vascular pain. Fiume D. **Appl Neurophysiol** 1983;46(5–6):290–4

Neurophysiological assessment of electrode placement in the spinal cord. Halter J, et al. **Appl Neurophysiol** 1983; 46(1–4):124–8

Spinal stimulation: statistical superiority of monophasic stimulation of narrowly separated, longitudinal bipoles having rostral cathodes. Law JD. **Appl Neurophysiol** 1983; 46(1–4):129–37

Dorsal column stimulation in multiple sclerosis: effects on bladder and long term findings. Hawkes CH, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):793–5

Astrogliosis limits the integration of peripheral nerve grafts into the spinal cord. Fishman PS, et al. **Brain Res** 1983 Oct 24;277(1):175–80

Endogenous opioids mediate ECS-induced catalepsy at supraspinal levels. Frenk H, et al. **Brain Res** 1984 Jun 11; 303(1):109–12

Decreased horseradish peroxidase labeling in deafferented spinal motoneurons of the rat. Peyronnard JM, et al. **Brain Res** 1983 Sep 26;275(2):203–14

Relative contributions of the nucleus raphe magnus and adjacent medullary reticular formation to the inhibition by stimulation in the periaqueductal gray of a spinal nociceptive reflex in the pentobarbital-anesthetized rat. Sandkühler J, et al. **Brain Res** 1984 Jul 2;305(1):77–87

Characterization of inhibition of a spinal nociceptive reflex by stimulation medially and laterally in the midbrain and medulla in the pentobarbital-anesthetized rat. Sandkühler J, et al. **Brain Res** 1984 Jul 2;305(1):67–76

Evidence that diffuse noxious inhibitory controls (DNIC) are medicated by a final post-synaptic inhibitory mechanism. Villanueva L, et al. **Brain Res** 1984 Apr 23; 298(1):67–74

The neurochemical basis of footshock analgesia: the role of spinal cord serotonin and norepinephrine. Watkins LR, et al. **Brain Res** 1984 Jan 2;290(1):107–17

Opiate and non-opiate analgesia induced by inescapable tail-shock: effects of dorsolateral funiculus lesions and decerebration. Watkins LR, et al. **Brain Res** 1984 Jan 23; 291(2):325–36

Induction of spinal seizures by natural stimulation in cats. Yu J, et al. **Brain Res** 1984 May 14;299(2):323–30

Somatosensory cerebral potentials evoked by stimulation of the lumbo-sacral spinal cord in normal subjects and in patients with conus medullaris and cauda equina lesions. Ertekin C, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;59(1):57–66

Remote monitoring of neuraxial function in anesthetized dogs in compression chambers. Leitch DR, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 57(6):548–60

Intraoperative evoked potential monitoring of the spinal cord: enhanced stability of cortical recordings. Nuwer MR, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul; 59(4):318–27

C-primary afferent fibre mediated inhibitions in the dorsal horn of the decerebrate-spinal rat. Woolf CJ. **Exp Brain Res** 1983;51(2):283–90

Invasion of the L7 ventral root and spinal pia mater by new axons after sciatic nerve division in kittens. Risling M, et al. **Exp Neurol** 1984 Jan;83(1):84–97

Plasticity of the corticospinal tract following midthoracic spinal injury in the postnatal rat. Bernstein DR, et al. **J Comp Neurol** 1983 Dec 20;221(4):382–400

Hyperplasia in the spinal sensory system of the frog. II. Central and peripheral connectivity patterns. Davis MR, et al. **J Comp Neurol** 1983 Dec 20;221(4):453–65

Evoked potentials in rats with misonidazole neurotoxicity. II. Somatosensory evoked potentials. Powers SK, et al. **J Neurooncol** 1983;1(2):125–30

Responses of thoracic spinothalamic and spinoreticular cells to coronary artery occlusion. Blair RW, et al. **J Neurophysiol** 1984 Apr;51(4):636–48

Intraoperative ultrasonic evaluation of spinal cord motion. Jokich PM, et al. **J Neurosurg** 1984 Apr;60(4):707–11

Percutaneous flexible bipolar epidural neuroelectrode for spinal cord stimulation. Technical note. Kaschner AG, et al. **J Neurosurg** 1984 Jun;60(6):1317–9

Spinal cord injury associated with hyperthermia during aortic coarctation repair. Crawford FA Jr, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):616–8

Abnormalities in central motor pathway conduction in multiple sclerosis. Cowan JM, et al. **Lancet** 1984 Aug 11; 2(8398):304–7

Comparison of naloxone and a delta-selective antagonist in experimental spinal stroke. Faden AI, et al. **Life Sci** 1983; 33 Suppl 1:707–10

The effect of epidural application of opioids on spasticity of spinal origin. Struppler A, et al. **Life Sci** 1983;33 Suppl 1:607–10

Peridural morphine analgesia is mediated by a direct spinal effect [letter] Willer JC, et al. **N Engl J Med** 1984 Aug 30;311(9):602

Caloric stimulation-induced augmentation of H-reflexes in normal subjects, but not in spinal cord-injured patients. Raffensperger M, et al. **Neurosurgery** 1984 May;14(5):562–6

Cortical evoked potential monitoring. A system for intraoperative monitoring of spinal cord function. Brown RH, et al. **Spine** 1984 Apr;9(3):256–61

Comparative studies of regional CNS blood flow and evoked potentials in the cat. Effects of hypotensive ischemia on somatosensory evoked potentials in cerebral cortex and spinal cord. Sato M, et al. **Stroke** 1984 Jan–Feb; 15(1):97–101

[Somesthetic evoked potentials of the spinal cord and cervico-brachial neuralgia] Piade JP, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):7–13 (Eng. Abstr.) **(Fre)**

[Syndromes of the medial longitudinal bundle] Fötzsch R. **Psychiatr Neurol Med Psychol Beih** 1983;29:177–83 **(Ger)**

[Determination of supraspinal modification of reflex excitation] Kmietzyk HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Sep; 35(9):557–60 (Eng. Abstr.) **(Ger)**

[Experimental study on spinal cord monitoring—changes in spinal cord evoked potentials during vertical direction distraction of the spinal cord] Harada Y. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul;57(7):685–701 (Eng. Abstr.) **(Jpn)**

[Evaluation of cord functions in patients with cervical radiculomyelopathy using cortical and spinal somatosensory evoked potentials] Kubota S, et al. **No To Shinkei** 1984 Apr;36(4):339–48 (Eng. Abstr.) **(Jpn)**

[Somatosensory evoked potentials and sensory conduction time along the spinal cord in multiple sclerosis] Molla-zade AN, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):174–8 (Eng. Abstr.) **(Rus)**

[Decerebrate posture in brain death. A case of post-ischemic alpha rigidity in man?] Esteban A. **Arch Neurobiol (Madr)** 1983 Nov–Dec;46(6):395–402 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Central canal area in the early postnatal rat: normal development and radiation-induced changes. Gilmore SA, et al. **Brain Res** 1984 Jun;316(2):149–57

Interactions between intraspinal Schwann cells and the cellular constituents normally occurring in the spinal cord: an ultrastructural study in the irradiated rat. Sims TJ, et al. **Brain Res** 1983 Oct 3;276(1):17–30

The radiosensitivity of the guinea-pig spinal cord to X-rays: the effect of retreatment at one year and the effect of age at the time of irradiation. Knowles JF. **Int J Radiat Biol** 1983 Nov;44(5):433–42

The effect of small radiation doses on the rat spinal cord: the concept of partial tolerance. Ang KK, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1487–91

A modified radiotherapy technique in the treatment of medulloblastoma. Dewit L, et al. **Int J Radiat Oncol Biol Phys** 1984 Feb;10(2):231–41

The latent period in clinical radiation myelopathy. Schultheiss TE, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1109–15 (87 ref.)

Use of evoked responses to measure laser photoradiation tissue effects. Yoshii Y, et al. **Neurosurgery** 1984 Feb; 14(2):131–4

Radiation myelopathy. Paulson GW, et al. **Ohio State Med J** 1984 May;80(5):387–9

[Central nervous system irradiation for children with leukemia] Chatani M, et al. **Gan No Rinsho** 1984 Feb; 30(2):152–6 (Eng. Abstr.) **(Jpn)**

[Prophylactic central nervous system irradiation for childhood acute lymphoblastic leukemia] Chatani M, et al. **Gan No Rinsho** 1984 Apr;30(4):363–7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography of spinal cord necrosis from multiple sclerosis. Latack JT, et al. **AJNR** 1984 Jul–Aug;5(4):485–7

Spine–spinal cord relationships in spinal cord trauma. Tator CH. **Clin Neurosurg** 1983;30:479–94

Value of computed tomographic myelography in neurofibromatosis. Angtuaco EJ, et al. **Neurosurgery** 1983 Dec;13(6):666–71

The normal conus medullaris: CT criteria for recognition. Grogan JP, et al. **Radiology** 1984 Jun;151(3):661–4

[Computed tomography of the spinal cord] Pyhtinen J, et al. **Duodecim** 1984;100(2):80–7 (Eng. Abstr.) **(Fin)**

[Neuroradiological studies on the brain and spinal cord in multiple sclerosis: edema and mass effect due to demyelinated plaques] Kojima S, et al. **Rinsho Shinkeigaku** 1984 Feb;24(2):165–71 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Metabolic imaging of the brain stem and spinal cord: studies with positron emission tomography using 18F-2-deoxyglucose in normal and pathological cases. Di Chiro G, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):937–45

SECRETION

Acute and chronic morphine modifies the in vivo release of methionine enkephalin-like immunoreactivity from the cat spinal cord and brain. Jhamandas K, et al. **Brain Res** 1984 Apr 9;297(1):91–103

Basic and regulatory mechanisms of in vitro release of Met-enkephalin from the dorsal zone of the rat spinal cord. Cesselin F, et al. **J Neurochem** 1984 Sep;43(3):763–74

Opioid activity released from cat spinal cord by sciatic nerve stimulation. Nyberg F, et al. **Life Sci** 1983;33 Suppl 1:17–20

The effect of peptidase inhibitors on the release of Met5-Enk-Arg6-Phe7 (YGGFMRF) and Met5-enkephalin (YGGFM) from spinal cord induced by substance P in vivo. Tang J, et al. **Life Sci** 1983;33 Suppl 1:121–4

SURGERY

The cause of failure in high cervical percutaneous cordotomy: an analysis. Mooij JJ, et al. **Acta Neurochir (Wien)** 1984;72(1–2):1–14

Changes in circadian sleep and waking patterns after somatosensory deafferentation in the cat. Bowersox SS, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):623–7

Limited myelotomy for the treatment of intractable cancer pain. Gildenberg PL, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):94–6

The effects of carbon dioxide- and neodymium-YAG lasers on the central and peripheral nervous systems, and cerebral blood vessels. Walter GF, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):745–9

Repair of spinal dural defects. An experimental study. Keller JT, et al. **J Neurosurg** 1984 May;60(5):1022–8

Criteria for using imaging ultrasound during brain and spinal cord surgery. Machi J, et al. **J Ultrasound Med** 1984 Apr; 3(4):155–61

Results of spinal cord stimulation in patients suffering from chronic pain after a two year observation period. Demirel T, et al. **Neurochirurgia (Stuttg)** 1984 Mar;27(2):47–50

Thermocoagulation of the substantia gelatinosa for the treatment of pain. Moringlane JR, et al. **Neurol Res** 1984 Mar–Jun;6(1–2):79–80

Retrograde transport of injured neurons [letter] Barron KD. **Neurology (NY)** 1984 Mar;34(3):401–3

Real-time sonography during spinal surgery. Knake JE, et al. **Radiology** 1984 May;151(2):461–5

[Incomplete spinal cord transection and locomotion in the cat] Contamin F. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct; 167(7):727–30 (Eng. Abstr.) (Fre)

[Management of chronic pain conditions—neurosurgical aspects] Mundinger F. **Chirurg** 1983 Dec;54(12):775–84 (Ger)

[Biomechanical method for the restoration of neurological function losses in tetraplegic and paraplegic patients using surgical relaxation of the injured spinal cord] Breig A. **Fortschr Neurol Psychiatr** 1984 Jan;52(1):2–5 (Eng. Abstr.) (Ger)

[Microsurgery of the spinal cord in the treatment of pain] Esposito S. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):239–50 (Eng. Abstr.) (Ita)

[Percutaneous radiofrequency cervical chordotomy: our experience with cancer pain] Tarfani A, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):263–73 (Eng. Abstr.) (Ita)

[Management of causalgia by means of spinal ganglionectomy] Ito H, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):330–4 (Eng. Abstr.) (Jpn)

[Posterior longitudinal myelotomy as a surgical treatment of acute cervical spinal cord injury] Tachibana S, et al. **No Shinkei Geka** 1984 Feb;12(2):183–8 (Eng. Abstr.) (Jpn)

TRANSPLANTATION

Intracerebral neural implants: neuronal replacement and reconstruction of damaged circuitries. Björklund A, et al. **Annu Rev Neurosci** 1984;7:279–308 (169 ref.)

Development of embryonic spinal cord transplants in the rat. Reier PJ, et al. **Brain Res** 1983 Nov;312(2):201–19

Transplantation of embryonic spinal and cerebral tissue to sciatic nerves of adult rats. Richardson PM, et al. **Brain Res** 1984 Apr 23;298(1):146–8

Ultrastructure of fetal spinal cord and cortex implants into adult rat spinal cord. Bernstein JJ, et al. **J Neurosci Res** 1984;11(4):359–72

ULTRASTRUCTURE

Nuclear vacuoles and nuclear bodies in cells of chicken spinal cord. Uehara M, et al. **Anat Anz** 1984;156(4):337–40

The tridimensional structure of Nissl bodies: a stereoscopic study in ventral horn cells of rat spinal cord. Beaudet A, et al. **Anat Rec** 1983 Dec;207(4):539–46

Ultrastructure of chemically defined neuron systems in the dorsal horn of the monkey. I. Substance P immunoreactivity. de Lanerolle NC, et al. **Brain Res** 1983 Sep 5;274(1):31–49

How are sheath dimensions affected by axon caliber and internode length? Friede RL, et al. **Brain Res** 1982 Mar 11;235(2):335–50

The ultrastructure of group Ia afferent fiber synapses in the lumbosacral spinal cord of the cat. Fyffe RE, et al. **Brain Res** 1984 May 23;300(2):201–9

Ultrastructure of chemically defined neuron systems in the dorsal horn of the monkey. III. Serotonin immunoreactivity. LaMotte CC, et al. **Brain Res** 1983 Sep 5;274(1):65–77

Ultrastructure of chemically defined neuron systems in the dorsal horn of the monkey. II. Methionine-enkephalin immunoreactivity. LaMotte CC, et al. **Brain Res** 1983 Sep 5;274(1):51–63

Ultrastructure of muscle spindle afferent terminations in lamina VI of the cat spinal cord. Maxwell DJ, et al. **Brain Res** 1983 Dec 12;288(1–2):297–301

Capsaicin causes selective damage to type I synaptic glomeruli in rat substantia gelatinosa. Ribeiro-da-Silva A, et al. **Brain Res** 1984 Jan 9;290(2):380–3

Ultrastructure of pacinian corpuscle primary afferent terminals in the cat spinal cord. Semba K, et al. **Brain Res** 1984 Jun 4;302(1):135–50

Primary afferent projections to the sacral secondary visceral gray: a quantitative electron microscopic examination in the cat. Nolan MF, et al. **Exp Neurol** 1984 Jul;85(1):19–29

Dendritic alteration of spinal motoneurons after ablation of somatomotor cortex. Standler NA, et al. **Exp Neurol** 1984 Feb;83(2):264–73

Ultrastructural changes in synapses of the frog's spinal cord during hypothermia. Vodvářka J, et al. **Folia Morphol (Praha)** 1983;31(4):404–6

Preliminary electronmicroscopical observations on the ampulla caudalis and the discharge of the material of Reissner's fibre into the capillary system of the terminal part of the tail of Ammocoetes (Agnathi). Hofer HO, et al. **Gegenbaurs Morphol Jahrb** 1984;130(1):77–110

Immunocytochemical localization of a chondroitin sulfate proteoglycan in nervous tissue. I. Adult brain, retina, and peripheral nerve. Aquino DA, et al. **J Cell Biol** 1984 Sep; 99(3):1117–29

The ultrastructural organization of lamina VI of the spinal cord of the cat. Morphological characterization of the synaptic population. Torri-Tarelli L, et al. **J Hirnforsch** 1984;25(2):153–61

Distribution of spinal cord nerve endings containing various neurotransmitters on a continuous density gradient. Bucsics A, et al. **J Neurochem** 1984 Mar;42(3):692–7

The ultrastructure and synaptic architecture of phrenic motor neurons in the spinal cord of the adult rat. Goshgarian HG, et al. **J Neurocytol** 1984 Feb;13(1):85–109

On the association between perinodal astrocytic processes and the node of Ranvier in the C.N.S. Raine CS. **J Neurocytol** 1984 Feb;13(1):21–7

Ultrastructural pathology of nerve fibers in calcium-induced myelopathy. Balentine JD, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):500–10

Neurofilamentous axonal swellings as a normal finding in the spinal anterior horn of man and other primates. Clark AW, et al. **J Neuropathol Exp Neurol** 1984 May; 43(3):253–62

Fine structural study of neurofibrillary changes in a family with amyotrophic lateral sclerosis. Hirano A, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):471–80

Fine structural observations of neurofilamentous changes in amyotrophic lateral sclerosis. Hirano A, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):461–70

The fine structure of macrophages in lysolecithin-induced demyelination: a freeze-fracture study. Tipperman R, et al. **J Neuropathol Exp Neurol** 1984 Sep;43(5):522–30

Anatomical basis of specific connections between sensory axons and motor neurons in the brachial spinal cord of the bullfrog. Lichtman JW, et al. **J Neurosci** 1984 Jul; 4(7):1754–63

Neonatal infection with the Daniels strain of Theiler's murine encephalomyelitis virus. Rodriguez M, et al. **Lab Invest** 1983 Dec;49(6):672–9

'Shaking pups': a disorder of central myelination in the spaniel dog. IV. Freeze-fracture electron microscopic studies of axons, oligodendrocytes and astrocytes in the spinal cord white matter. Bray GM, et al. **Neuropathol Appl Neurobiol** 1983 Sep–Oct;9(5):369–78

Ultrastructural features of supramedullary neurons in Crenilabrus quinquemaculatus. Marini M, et al. **Z Mikrosk Anat Forsch** 1984;98(1):63–71

[Elongation of mouse spinal cord axons in isogenic grafts of the sciatic nerve, skeletal muscle and submaxillary gland] Horvat JC. **Arch Anat Microsc Morphol Exp** 1983; 72(4):251–72 (Eng. Abstr.) (Fre)

[Reissner's fiber in the central canal of primate spinal cord] Erhardt H, et al. **Gegenbaurs Morphol Jahrb** 1983; 129(6):783–98 (Eng. Abstr.) (Ger)

[Synaptological study of ventral horn cells in amyotrophic lateral sclerosis] Iwasaki Y. **Rinsho Shinkeigaku** 1984 Feb; 24(2):205–13 (Eng. Abstr.) (Jpn)

[Evaluation of disorders of myelin sheath formation in pt rabbits based on an electron microscope study of the spinal cord] Taraszewska A. **Neuropatol Pol** 1983;21(3):327–42 (Eng. Abstr.) (Pol)

[Changes in the ultrastructure of synapses and neurons of the ventral horns of the spinal cord in cats with tetany as a result of the removal of the parathyroid glands] Avakian LA, et al. **Arkh Anat Gistol Embriol** 1984 Jun; 86(6):15–20 (Eng. Abstr.) (Rus)

[Morphogenetic transformation of cell membranes and plastic reactions of the tissues] D'iachkova LN, et al. **Dokl Akad Nauk SSSR** 1984;274(3):708–10 (Rus)

[Formation of intricate synaptic complexes in cultures of dissociated spinal cord and spinal ganglia cells] Skibo GG, et al. **Dokl Akad Nauk SSSR** 1984;276(3):729–31 (Rus)

[Ultrastructural characteristics of synaptogenesis in monolayer cultures of spinal cord] Skibo GG, et al. **Neirofiziologiia** 1984;16(3):336–43 (Eng. Abstr.) (Rus)

[Experimental study of the response to exposure to permanent magnetic field (ultrastructural changes in the central nervous system neurons and various neuroimmune phenomena)] Matiushkin VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct;(5):12–6 (Eng. Abstr.) (Rus)

[Changes in the fasciculus gracilis of the rabbit after ischemic injury of the spinal cord] Mechírová E, et al. **Bratisl Lek Listy** 1984 May;81(5):574–82 (Eng. Abstr.) (Slo)

SPINAL CORD COMPRESSION

CEREBROSPINAL FLUID

[Immunoglobulin G content of the lumbar cerebrospinal fluid in spinal cord compression of different etiologies] Lisianyi NI, et al. **Vrach Delo** 1984 Mar;(3):94–7 (Eng. Abstr.) (Rus)

COMPLICATIONS

Apnea as the sole manifestation of cord compression in achondroplasia. Fremion AS, et al. **J Pediatr** 1984 Mar; 104(3):398–401

Sexual dysfunction after spinal cord or cauda equina lesions. Larsen E, et al. **Paraplegia** 1984 Apr;22(2):66–74

[Funicular sciatica. Apropos of 3 new cases] Pinel B, et al. **LARC Med** 1984 Apr;4(4):251 (Fre)

[Marked neurological improvement in patients with tetraplegia hospitalized after spinal cord injuries in the cervical segment] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):263–8 (Eng. Abstr.) (Pol)

DIAGNOSIS

Tethered cord syndrome. Yamada S, et al. **J Am Paraplegia Soc** 1983 Jul;6(3):58–61

Tuberculous meningitis presenting as an obstructive myelopathy. Case report. Vlcek B, et al. **J Neurosurg** 1984 Jan;60(1):196–9

Spinal hemangiomas. Healy M, et al. **Neurosurgery** 1983 Dec; 13(6):689–91

ETIOLOGY

Pathology of spinal cord lesions caused by ossification of the posterior longitudinal ligament. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1984;63(2):123–30

Sickle cell anemia and epidural extramedullary hematopoiesis. Lewkow LM, et al. **Am J Med** 1984 Apr; 76(4):748–51

Extradural chloroma with spinal compression—an unusual presentation of acute myelogenous leukemia. Kellie SJ, et al. **Aust NZ J Med** 1984 Apr;14(2):160–2

Posterior column dysfunction in cervical spondylotic myelopathy. MacFadyen DJ. **Can J Neurol Sci** 1984 Aug; 11(3):365–70

Massive hemorrhagic necrosis of the spinal cord in metastatic cord compression. Pittaluga S, et al. **Clin Neuropathol** 1983; 2(3):114–7

Cervical myelopathy and transient tetraplegia during free-fall parachuting: a case report. Rose GE. **Injury** 1984 Jul; 16(1):9–10

Cervical myelopathy secondary to ossification of the posterior longitudinal ligament (a case report). D'Ettore M, et al. **Ital J Neurol Sci** 1984 Jun;5(2):203–7

'Open door' operation to raise the vertebral arch in myelopathy due to cervical spondylosis. Zanasi R, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):21–30

Cervical cord compression due to extradural granulation tissue in rheumatoid arthritis. A review of five cases. Kudo H, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):426–30

Spinal cord compression by metastatic testicular embryonal carcinoma. Deb HK, et al. **J Indian Med Assoc** 1983 Nov; 81(9–10):168–70

Treatment of metastatic spinal cord compression: an unsettled issue. Vijayakumar S. **J Natl Med Assoc** 1984 Mar; 76(3):297–8, 303

Cervical cord compression due to chondromatous change in a patient with metaphysial aclasis [letter] Misra UK, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1155–7

Spinal cord compression by an osteochondroma in a patient with multiple osteochondromatosis. Case report. O'Connor GA, et al. **J Neurosurg** 1984 Feb;60(2):420–3

Spinal cord compression by solitary plasmocytoma. Lucantoni D, et al. **J Neurosurg Sci** 1983 Apr–Jun; 27(2):125–7

Cervical myelopathy from dural substitute. Fisher WS 3d, et al. **Neurosurgery** 1983 Dec;13(6):715–7

Vertebral osteochondroma causing spinal cord compression: case report. Karian JM, et al. **Neurosurgery** 1984 Apr; 14(4):483–4

Compressive myelopathy associated with type VI mucopolysaccharidosis (Maroteaux-Lamy syndrome). Wald SL, et al. **Neurosurgery** 1984 Jan;14(1):83–8

Spinal cord compression by extramedullary haematopoiesis in myelofibrosis. Crawford DC, et al. **Postgrad Med J** 1984 Jan;60(699):62–3

Spinal cord compression due to an aspergilloma. Polatty RC, et al. **South Med J** 1984 May;77(5):645–8

Spinal cord compression secondary to Gaucher's disease. Markin RS, et al. **Surg Neurol** 1984 Apr;21(4):341–6

[Infectious iatrogenic complications of continuous epidural analgesia] Ducrocq JL, et al. **Agressologie** 1983 Apr; 24(4):179–80 (Eng. Abstr.) (Fre)

[Solitary chondromas and osteochondromas of the spine with myeloradicular compressive manifestations. Apropos of 6 surgically-treated cases] Fortuna A, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(6):433–40 (Eng. Abstr.) (Fre)

[Cervical spinal cord compression in achondroplasia. Apropos of 2 cases in infants] Blondeau M, et al. **Ann Pediatr (Paris)** 1983 Nov;30(9):651–6 (Eng. Abstr.) (Fre)

[Solitary chondromas and osteochondromas of the spine provoking myeloradicular compression. Apropos of 6 cases treated surgically] Fortuna A, et al. **Neurochirurgie** 1983; 29(4):271–8 (Eng. Abstr.) (Fre)

[Slow spinal cord compression caused by a cervical intradural lipoma] Scherpereel B, et al. **Neurochirurgie** 1984; 30(1):51–4 (Eng. Abstr.) (Fre)

[Spinal cord compression caused by vertebral angioma during pregnancy. A case treated by embolization (letter)] Bouchez B, et al. **Presse Med** 1984 Jun 30;13(27):1696–7 (Fre)

[Spinal cord compression in multiple myeloma. Study of 10 cases] Renier JC, et al. **Rev Rhum Mal Osteoartic** 1984 Apr;51(4):193–6 (Eng. Abstr.) (Fre)

[Spinal cord compression in malignant plasmacytic diseases. Apropos of 6 cases] Vigneron AM, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):81–4 (Eng. Abstr.) (Fre)

[Compression of the cervical spinal cord in achondroplasia] Blondeau M, et al. **Sem Hop Paris** 1984 Mar 8;60(11):771–5 (Eng. Abstr.) (Fre)

[Epiduritis disclosing non-Hodgkin's lymphoma. Apropos of 11 cases] Touboul E, et al. **Sem Hop Paris** 1983 Nov 3; 59(40):2751–7 (Eng. Abstr.) (Fre)

[Causes of spinal cord compression and the substantiation of various methods of decompression in unstable complicated injuries of the thoracolumbar spine (experimental study)] Fadeev GI, et al. **Ortop Travmatol Protez** 1983 Dec;(12):6–10 (Eng. Abstr.)

(Rus)

[Spinal compression syndrome in hematogenic osteomyelitis of the spinal column] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1983 Dec;(12):1–6 (Eng. Abstr.) (Rus)

[Compression syndrome in circulatory disorders of the spinal cord] Iumashev GS, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):26–8 (Eng. Abstr.) (Rus)

[Tethered cord syndrome with intradural sacral lipoma in an adult male] Casademont J, et al. **Med Clin (Barc)** 1984 May 12;82(18):811–3 (Eng. Abstr.) (Spa)

[Neuroblastoma and spinal cord compression (letter)] Fuertes A, et al. **Med Clin (Barc)** 1983 Oct 1;81(9):409 (Spa)

[Epidural abscess with spinal cord compression in a heroin addict (letter)] Pujadas Capmany R, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):551 (Spa)

PATHOLOGY

Neuroblastoma spinal cord compression (review). Helson L. **Anticancer Res** 1983 Sep–Oct;3(5):317–22

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 44–1983. A 41-year-old woman with spastic tetraparesis and short stature. **N Engl J Med** 1983 Nov 3;309(18):1109–17

PHYSIOPATHOLOGY

Loss of joint position sense with sparing of vibration sense in two cases of compressive cervical myelopathy. Savettieri G, et al. **Acta Neurol (Napoli)** 1984 Feb;6(1):11–5

Somatosensory cerebral potentials evoked by stimulation of the lumbo-sacral spinal cord in normal subjects and in patients with conus medullaris and cauda equina lesions. Ertekin C, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;59(1):57–66

The effect of cervical mobility on the natural history of cervical spondylotic myelopathy. Barnes MP, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):17–20

Compression injuries of the cervical spine: a biomechanical analysis. Maiman DJ, et al. **Neurosurgery** 1983 Sep; 13(3):254–60

[The Hoffmann reflex: proposal of a graphic model for the study and diagnosis of spinal cord compression] Cannas M, et al. **Chir Organi Mov** 1981–82;67(6):687–91 (Eng. Abstr.) (Ita)

PREVENTION & CONTROL

[Dislocation of the superior cervical spine in the Larsen syndrome] Lefort G, et al. **Chir Pediatr** 1983;24(3):211–2 (Eng. Abstr.) (Fre)

RADIOGRAPHY

The narrow cervical spinal canal. Soo YS, et al. **Australas Radiol** 1983 Jul;27(2):132–8

Atlanto-axial impaction and compression of the medulla oblongata and proximal spinal cord in rheumatoid arthritis evaluated by CT scanning. Kaiser MC, et al. **Br J Radiol** 1983 Oct;56(670):76[A]–6

Atlanto-axial instability and spinal cord compression in children—diagnosis by computerized tomography. Roach JW, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):708–14

Spinal cord or nerve root compression in patients with malignant disease: CT evaluation. Wang AM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):420–8

Management of cervical spondylitic myelopathy [letter] Yu YL. **Lancet** 1984 Jul 21;2(8395):170–1

A rare cause of spinal cord compression in childhood from intraspinal mesenchymal chondrosarcoma. A report of two cases and review of the literature. Chan HS, et al. **Neuroradiology** 1984;26(4):323–7

Epidural block: myelographic evaluation with a single-puncture technique using metrizamide. Kelly WM, et al. **Radiology** 1984 May;151(2):417–9

Case report 242. Hemangioma of the T6 vertebra with a compression fracture, extradural block and spinal cord compression. Greenspan A, et al. **Skeletal Radiol** 1983; 10(3):183–8

Case report 277. Occipitalization of the atlas with severe cord compression. Malhotra V, et al. **Skeletal Radiol** 1984; 12(1):55–8

[Roentgenodiagnosis of spinal cord tumors] Kamalov II. **Sov Med** 1983;(7):89–91 (Rus)

SURGERY

Sleep apnoea following cervical cord surgery. Vella LM, et al. **Anaesthesia** 1984 Feb;39(2):108–12

Hajdu-Cheney syndrome: rehabilitation after decompression of cervical spinal cord compromise. Chodoroff G, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):205–7

Adverse effects of the management of malignant spinal cord compression. Findlay GF. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):761–8

Cervical spondylotic radiculo-myelopathy in patients with athetoid-dystonic cerebral palsy: clinical evaluation and surgical treatment. Hirose G, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):775–80

Anterior cord decompression and spinal stabilization for patients with metastatic lesions of the spine. Harrington KD. **J Neurosurg** 1984 Jul;61(1):107–17

Spinal cord compression due to prolapse of cervical intervertebral disc (herniation of nucleus pulposus). Treatment in 26 cases by discectomy without interbody bone graft. O'Laoire SA, et al. **J Neurosurg** 1983 Nov; 59(5):847–53

Cord compression by cervical disc [letter] Vassilouthis J. **J Neurosurg** 1984 May;60(5):1112–3

Transthoracic anterolateral decompression for thoracic spinal lesions. Lobosky JM, et al. **Neurosurgery** 1984 Jan; 14(1):26–30

Neurological improvement associated with late decompression of the thoracolumbar spinal cord. Maiman DJ, et al. **Neurosurgery** 1984 Mar;14(3):302–7

Microscopic decompression of the anterior upper cervical spine: a case of odontoid malunion to the atlas. Miller J, et al. **Neurosurgery** 1984 May;14(5):583–7

Expansive open-door laminoplasty for cervical spinal stenotic myelopathy. Hirabayashi K, et al. **Spine** 1983 Oct; 8(7):693–9

Anterior decompression of the spinal cord for neurological deficit. Johnson JR, et al. **Spine** 1983 May–Jun;8(4):396–405

Spinal hydatid cysts. Pamir MN, et al. **Surg Neurol** 1984 Jan; 21(1):53–7

Late laminectomy in traumatic paraplegia. Ramamurthi B, et al. **Surg Neurol** 1983 Nov;20(5):414–6

[Surgical treatment of myelopathic cervical spondylitis report of 32 cases treated with posterior decompression] Wu CY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):227–9 (Eng. Abstr.) (Chi)

[Decompression of the dural sac using the anterior approach] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jun;51(3):216–23 (Eng. Abstr.) (Cze)

[Dorsal extradural hourglass lipoma in children] Adam Y, et al. **Chir Pediatr** 1984;25(1):32–6 (Eng. Abstr.) (Fre)

[Use of Knodt's equipment for spinal osteosynthesis in emergency laminectomy for spinal cord compression] Loty B, et al. **Neurochirurgie** 1984;30(2):107–11 (Eng. Abstr.) (Fre)

[Role of surgical decompression by the anterior approach in myeloradiculopathies caused by cervical arthrosis. Apropos of 850 cases] Lesoin F, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2669–77 (Eng. Abstr.) (Fre)

[Spontaneous spinal epidural hematoma] Twerdy K, et al. **Nervenarzt** 1984 Feb;55(2):96–8 (Ger)

[Experience in surgery of cervical spondylotic myelopathy] Brizzi RE. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:45–6 (Ita)

[Experimental study on the post-laminectomy deterioration in cervical spondylotic myelopathy—influences of the meningeal treatment and persistent spinal cord block] Oiwa T. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jun;57(6):577–92 (Eng. Abstr.) (Jpn)

[Narrow spinal canal in the lumbosacral segment] Jarmundowicz W, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):127–32 (Eng. Abstr.) (Pol)

[Indications for and volume of anterior decompression of the spinal cord in injuries of the cervical spine] Aranovich VL, et al. **Zh Vopr Neirokhir** 1983 Jul–Aug;(4):41–5 (Eng. Abstr.) (Rus)

THERAPY

Value of early attention to spinal compression syndromes. Hejgaard N, et al. **Acta Orthop Scand** 1984 Apr;55(2):234–7

Prognostic factors in the management of metastatic epidural spinal cord compression. Tang SG, et al. **J Neurooncol** 1983;1(1):21–8

Halo-clavicle traction. Appleby DM, et al. **J Trauma** 1984 May;24(5):452–5

Management of cervical spondylotic myelopathy [editorial] **Lancet** 1984 May 12;1(8385):1058

Treatment of spinal cord compression: a retrospective analysis. Loeffler JS, et al. **Med Pediatr Oncol** 1983; 11(5):347–51

Anterior spinal cord decompression for lesions of the thoracic and lumbar spine, techniques, new methods of internal fixation results. Kostuik JP. **Spine** 1983 Jul–Aug; 8(5):512–31

[Role of medical treatment in spinal cord compression of tuberculous origin. Apropos of 7 cases] Augereau B, et al. **Sem Hop Paris** 1983 Sep 29;59(34):2381–7 (Eng. Abstr.) (Fre)

VETERINARY

Dorsal laminectomy in a calf. Smith KD, et al. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1508–10

Osteochondrotic changes in the vertebrae of four ataxic horses suffering from cervical vertebral malformation. Alitalo I, et al. **Nord Vet Med** 1983 Dec;35(12):468–74

SPINAL CORD DISEASES

Spinal muscular atrophy (a report of 44 cases). Mondkar VP, et al. **J Postgrad Med** 1983 Oct;29(4):242–50

Neurosurgically relevant aspects of pathology and pathogenesis of intracranial and intraspinal tuberculosis. Dastur DK. **Neurosurg Rev** 1983;6(3):103–10 (29 ref.)

Diagnosis and neurosurgical treatment of tuberculous disease of the CNS. Dastur HM. **Neurosurg Rev** 1983;6(3):111–7 (27 ref.)

[Spinal cord disorders in pregnancy] Kříž K, et al. **Cesk Neurol Neurochir** 1984 Jan;47(1):29–32 (Eng. Abstr.) (Cze)

CEREBROSPINAL FLUID

A simple kit system for rapid diagnosis of cerebrospinal meningitis in rural areas of developing countries. Sanborn WR, et al. **Bull WHO** 1984;62(2):293–9

[Neurochemical investigation on spinocerebellar degeneration—metabolites of biogenic amines in the cerebrospinal fluids] Arai M, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):501–8 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Acute heroin myelopathy—case report. Grassa C, et al. **Ital J Neurol Sci** 1984 Mar;5(1):63–6

Nitrous oxide-induced myeloneuropathy. Lunsford JM, et al. **J Foot Surg** 1983 Fall;22(3):222–5

Severe local tissue lesions after chemonucleolysis with collagenase. Brock M, et al. **Surg Neurol** 1984 Aug; 22(2):124–31

COMPLICATIONS

Coma and thyrotoxicosis. Newcomer J, et al. **Ann Neurol** 1983 Dec;14(6):689–90

Epstein-Barr virus-associated myelopathy in an adult. Feinberg WM, et al. **Arch Neurol** 1984 Apr;41(4):454–5

Alcoholic myelopathy without substantial liver disease. A syndrome of progressive dorsal and lateral column dysfunction. Sage JI, et al. **Arch Neurol** 1984 Sep; 41(9):999–1001

Panmedullary ependymoma with multiple cysts complicated by fatty deposits in the proximal spinal cord. Elsenburg PH, et al. **Clin Neurol Neurosurg** 1983;85(4):273–9

Massive jejunal diverticulosis and subacute combined degeneration of the cord. Ward K, et al. **Ir J Med Sci** 1983 Jul;152(7):289–91

Colorectal carcinoma and myelopathy. Frisbie JH, et al. **J Am Paraplegia Soc** 1984 Apr;7(2):33–6

Anterior sacral meningocele contiguous with a pelvic hamartoma. Case report. Leibowitz E, et al. **J Neurosurg** 1984 Jul;61(1):188–90

Epidermoid cyst occurring within a lumbosacral myelomeningocele. Case report. Martinez-Lage JF, et al. **J Neurosurg** 1983 Dec;59(6):1095–7

Acute transverse myelopathy in Epstein-Barr virus infection. Case reports. Silber MH. **S Afr Med J** 1983 Oct 29; 64(19):753–4

[Acute auriculo-ventricular block in cerebrospinal meningitis] Vitris M, et al. **Dakar Med** 1983;28(2):337–42 (Fre)

[2 cases of Fotopoulos syndrome (chronic spinal amyotrophy of the shoulder girdle and chronic chorea) (letter)] Serratrice G, et al. **Presse Med** 1984 May 12;13(20):1274 (Fre)

[Noncompressive myelopathy and dysglobulinemia. A fortuitous association? Discussion of 3 new cases] Boyer M, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1109–12 (Eng. Abstr.) (Fre)

[The urologist confronted by the myelodysplasic patient] Boccafoschi C. **Minerva Pediatr** 1984 Feb 28;36(4):169–76 (Eng. Abstr.) (Ita)

[Necrotizing myelopathy and neoplasms: clinico-pathological report of 2 cases] de Freitas MR, et al. **Arq Neuropsiquiatr** 1983 Jun;41(2):182–90 (Eng. Abstr.) (Por)

[Electrostimulation of the anal sphincter in incontinence among patients with spinal cord lesions] Livshits AV, et al. **Zh Vopr Neirokhir** 1983 Nov–Dec;(6):36–40 (Eng. Abstr.) (Rus)

DIAGNOSIS

NMR imaging of the spine. Han JS, et al. **AJR** 1983 Dec; 141(6):1137–45

Magnetic resonance imaging of the spinal cord and canal: potentials and limitations. Norman D, et al. **AJR** 1983 Dec; 141(6):1147–52

Intraoperative spinal sonography: adjunct to metrizamide CT in the assessment and surgical decompression of posttraumatic spinal cord cysts. Quencer RM, et al. **AJR** 1984 Mar;142(3):593–601

Leigh's subacute necrotizing encephalomyelopathy manifesting as spasmus nutans. Sedwick LA, et al. **Arch Ophthalmol** 1984 Jul;102(7):1046–8

Posttraumatic cystic myelopathy in motor incomplete quadriplegia presenting as progressive orthostasis. Maynard FM. **Arch Phys Med Rehabil** 1984 Jan;65(1):30–2

Inflammatory myelopathy presenting as a cystic intramedullary spinal cord lesion. Tranmer BI, et al. **Can J Neurol Sci** 1984 Aug;11(3):399–401

Extradural meningeal cyst. Case report and review of the literature. Roski RA, et al. **Childs Brain** 1984;11(4):270–9

Acute spinal epidural abscess [letter] Basu A, et al. **J Assoc Physicians India** 1984 Apr;32(4):384

Central cord lesions in cervical spondylotic myelopathy. Mossman SS, et al. **J Neurol** 1983;230(4):227–30

Spinal neck-tongue syndrome [letter] Noda S, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):751

Spinal evoked motor potentials [letter] Drummond JC. **J Neurosurg** 1983 Nov;59(5):912–3

Computerized tomography in a calcified postoperative extradural cyst. Bernini FP, et al. **Neurochirurgia (Stuttg)** 1984 Jan;27(1):20–2

Real-time ultrasonography of the spinal cord: intraoperative

and postoperative imaging. Pasto ME, et al. **Neuroradiology** 1984;26(3):183–7

Comparison of CT and MR in 400 patients with suspected disease of the brain and cervical spinal cord. Bradley WG Jr, et al. **Radiology** 1984 Sep;152(3):695–702

Spinal arachnoiditis. What is the clinical spectrum? II. Arachnoiditis induced by Pantopaque/autologous blood in dogs, a possible model for human disease. Hoffman GS, et al. **Spine** 1983 Jul–Aug;8(5):541–51

Spinal arachnoiditis. What is the clinical spectrum? I. Hoffman GS. **Spine** 1983 Jul–Aug;8(5):538–40

Intramedullary spinal cord sarcoidosis. Rubinstein I, et al. **Surg Neurol** 1984 Mar;21(3):272–4

[Personal experience with spontaneous epidural spinal hemorrhage] Pinta Z. **Cesk Neurol Neurochir** 1983 Jul; 46(4):259–63 (Eng. Abstr.) **(Cze)**

[Electromyographic study of 50 cases of Werdnig–Hoffmann disease] Renault F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):301–5 (Eng. Abstr.) **(Fre)**

[Chronic distal spinal amyotrophy localized to the both upper limbs (O'Sullivan and McLeod type)] Serratrice G. **Rev Neurol (Paris)** 1984;140(5):368–9 (Eng. Abstr.) **(Fre)**

[Spinal circulatory disorders. Differential diagnosis of spinal cord diseases] Suchenwirth RM. **MMW** 1983 Oct 7; 125(40):871–4 (Eng. Abstr.) **(Ger)**

[Lupus erythematosus and the central nervous system] Krüger KW. **Nervenarzt** 1984 Apr;55(4):165–72 (Eng. Abstr.) **(Ger)**

[Case of adrenoleukodystrophy presenting as spinocerebellar degeneration] Suzuki S, et al. **Rinsho Shinkeigaku** 1983 Aug;23(8):678–82 (Eng. Abstr.) **(Jpn)**

[Clinical and diagnostic significance of indices of spinal cord bioelectric activity based on electromyelographic data] Onoprienko AP. **Vrach Delo** 1984 Jan;(1):105–7 (Eng. Abstr.) **(Rus)**

[Spinal endoscopy in the diagnosis of diseases of the spinal cord] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):23–6 (Eng. Abstr.) **(Rus)**

[Imaging magnetic resonance. Current level and future perspectives] Bergström K, et al. **Lakartidningen** 1984 Jul 11;81(28–29):2683–7 **(Swe)**

DRUG THERAPY

Spinal cord disease due to Schistosoma mansoni successfully treated with oxamniquine [letter] Scrimgeour EM. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):625

Controlled trial of thyrotropin releasing hormone tartrate in ataxia of spinocerebellar degenerations. Sobue I, et al. **J Neurol Sci** 1983 Oct;61(2):235–48

Corticosteroid therapy in experimental cord injury [letter] Hall ED, et al. **J Neurosurg** 1984 Oct;61(4):805–6

[Phosphatidylcholine in the treatment of degenerative spinocerebellar ataxic syndromes. Long-term study of 6 patients] De Luca G, et al. **Riv Neurol** 1983 Nov–Dec; 53(6):392–9 (Eng. Abstr.) **(Ita)**

[Clinical studies of spinocerebellar degeneration] Sohue I. **Nippon Naika Gakkai Zasshi** 1984 Feb;73(2):175–8 **(Jpn)**

[Effect of benzodiazepines on neuropathologic syndromes of spinal origin] Kryshanovskiĭ GN, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):25–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Oral glutamate loading in disorders with spinocerebellar and extrapyramidal involvement: effect on plasma glutamate, aspartate and taurine. Plaitakis A, et al. **J Neural Transm [Suppl]** 1983;19:65–74

ETIOLOGY

The conus demyelination syndrome in multiple sclerosis. Taylor MC, et al. **Acta Neurol Scand** 1984 Feb;69(2):80–9

Fatal neurologic complication of parenteral feeding through a central vein catheter. Kelly MA, et al. **Am J Dis Child** 1984 Apr;138(4):352–3

A model of spinal cord dysbarism to study delayed treatment: I. Producing dysbarism. Leitch DR, et al. **Aviat Space Environ Med** 1984 Jul;55(7):584–91

Pernicious anaemia with subacute combined degeneration of cord in a Bangladeshi male. Ullah ME, et al. **Bangladesh Med Res Counc Bull** 1983 Jun;9(1):1–6

Spinal cord disease due to Schistosoma mansoni successfully treated with oxamniquine. Efthimiou J, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1343–4

Myelopathy with severe structural derangement associated with combined modality therapy. Cohen ME, et al. **Cancer** 1983 Nov 1;52(9):1590–6

Cervical myelopathy due to ossification of the posterior longitudinal ligament. Gui L, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):269–80

Post-traumatic spinal-cord cyst. A case report. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):614–8

Laser effect on spinal cord [letter] Levy WJ. **J Neurosurg** 1984 May;60(5):1117

Small bowel resection with vitamin E deficiency and progressive spinocerebellar syndrome. Bertoni JM, et al. **Neurology (NY)** 1984 Aug;34(8):1046–52

Multiple intraspinal and intracranial epidermoids and lipomata following gunshot injury. Smith CM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):235–9

Radiculomyelopathy associated with herpes simplex genitalis treated with adenosine arabinoside. Handler CE, et al. **Postgrad Med J** 1983 Jun;59(692):388–9

Cervical radiculomyelopathy due to calcification of the ligamenta flava. Nakajima K, et al. **Surg Neurol** 1984 May; 21(5):479–88

Spontaneous spinal epidural haematoma. Cancina JE, et al. **West Indian Med J** 1983 Sep;32(3):187–90

[An analysis of 307 cases of irradiated myeloencephalospinal disease] Qin DX. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov;17(4):289–93 (Eng. Abstr.) **(Chi)**

[Diabetic radiculopathy causing severe abdominal pain] Härkönen M, et al. **Duodecim** 1984;100(1):39–41 **(Fin)**

[Isolated cervicothoracic spinal amyotrophy caused by hydromyelia. Stabilization by a ventricular shunt] Petit H, et al. **Rev Neurol (Paris)** 1984;140(2):144–7 (Eng. Abstr.) **(Fre)**

[Tropical neuro-myelopathies] Dumas M. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):155–94 (Eng. Abstr.) **(Fre)**

[Systemic lupus erythematosus. Brown–Sequard syndrome, spinal ataxia and peripheral polyneuropathy as the sole manifestations] Trautmann F, et al. **Dtsch Med Wochenschr** 1984 Jun 29;109(26):1028–32 (Eng. Abstr.) **(Ger)**

[Case of 'brown bowel syndrome' with posterior column degeneration, probably due to vitamin E deficiency] Murayama S, et al. **Nippon Naika Gakkai Zasshi** 1983 Sep; 72(9):1187–94 **(Jpn)**

[Postoperative lumbar extradural arachnoid cyst. Report of two cases and review of the literature] Uchibori M, et al. **No Shinkei Geka** 1984 Apr;12(5):619–24 (Eng. Abstr.) **(Jpn)**

[Radiculomyelopathy due to calcification of the cervical ligamenta flava—report of 2 cases and a review of literature] Nakajima K, et al. **No To Shinkei** 1983 Jan; 35(1):83–90 (Eng. Abstr.) **(Jpn)**

[A case of ankylosing spondylitis with spinal arachnoid diverticula] Shimohama S, et al. **Rinsho Shinkeigaku** 1984 Feb;24(2):131–6 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Amyotrophic cerebellar hypoplasia: a specific form of infantile spinal atrophy. de León GA, et al. **Acta Neuropathol (Berl)** 1984;63(4):282–6

Genetic counseling in families with spinal muscular atrophy type Kugelberg–Welander. Zerres K, et al. **Hum Genet** 1983;65(1):74–5

Behr's syndrome. A family exhibiting pseudodominant inheritance. Thomas PK, et al. **J Neurol Sci** 1984 May; 64(2):137–48

[Chronic X-linked recessive bulbospinal amyotrophy (Kennedy–Stefanis type). Apropos of a case] Serratrice G, et al. **Sem Hop Paris** 1984 Mar 29;60(14):1003–5 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

The use of the bladder wash-out test in patients with spinal cord lesions who have urinary tract infection. Wyndaele JJ, et al. **Paraplegia** 1983 Oct;21(5):294–300

OCCURRENCE

[Histopathological changes of the human spinal cord—with special reference to latent lesions found in spinal cords of the aged] Hiroshima K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul;57(7):729–39 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Pencil-shaped softening of the spinal cord. Pathologic study in 12 autopsy cases. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):219–24

Spinal leptomeningeal epidermoid cysts in inbred mouse strains. Stroop WG. **Acta Neuropathol (Berl)** 1984; 63(4):301–5

Persistence of tick-borne encephalitis virus in monkeys. VI. Pathomorphology of chronic infection in central nervous system. Frolova MP, et al. **Acta Virol (Praha)** 1984 May; 28(3):232–9

Remyelination during remission in Theiler's virus infection. Dal Canto MC, et al. **Am J Pathol** 1984 Jul;116(1):30–45

Polyarteritis nodosa affecting the spinal cord arteries. Ojeda VJ. **Aust NZ J Med** 1983 Jun;13(3):287–9

Paraneoplastic subacute necrotic myelopathy. Handforth A, et al. **Can J Neurol Sci** 1983 Aug;10(3):204–7

Necrotizing myelopathy associated with malignancy. A clinicopathologic study of two cases and literature review. Ojeda VJ. **Cancer** 1984 Mar 1;53(5):1115–23 (32 ref.)

Massive hemorrhagic necrosis of the spinal cord in metastatic cord compression. Pittaluga S, et al. **Clin Neuropathol** 1983; 2(3):114–7

Adult spinal muscular atrophy. A report of four cases. Huang K, et al. **J Neurol Sci** 1983 Oct;61(2):249–59

Intramedullary endodermal cysts [letter] Palma L, et al. **J Neurosurg** 1984 Apr;60(4):877–8

Intraspinal epidermoid cyst. Sarma DP, et al. **J Surg Oncol** 1984 Jan;25(1):64–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 36–1984. Childhood leukemia with progressive neurologic deterioration. **N Engl J Med** 1984 Sep 6;311(10):653–62

Sarcoidosis presenting as an intramedullary spinal cord mass. Hitchon PW, et al. **Neurosurgery** 1984 Jul;15(1):86–90

[Intraspinal epidermoid in pregnancy. Case report] Indei I, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):677–80 (Eng. Abstr.) **(Jpn)**

[A case of cervical intramedullary neurenteric cyst] Takemi K, et al. **No Shinkei Geka** 1984 Mar;12(4):539–43 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study on the structures related to eye movement in the brain stem and cerebellum in cases of spinocerebellar degeneration] Mizutani T, et al. **Rinsho Shinkeigaku** 1983 Nov;23(11):1004–12 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Reflexes of the external urethral sphincter in children. Hallett M, et al. **Arch Neurol** 1984 Sep;41(9):942–5

Visual evoked potentials in spinocerebellar degenerations. Sridharan R. **Clin Neurol Neurosurg** 1983;85(4):235–43

Spine and scalp somatosensory evoked potentials in normal subjects and patients with spinal cord disease: evaluation of afferent transmission. Schiff JA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Sep; 59(5):374–87

A method of calculating spinal cord transit time from potentials evoked by tibial nerve stimulation in normal subjects and in patients with spinal cord disease. Small M, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):156–64

Intracranial recording of short latency somatosensory evoked potentials in man: identification of origin of each component. Suzuki I, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul;59(4):286–96

Pyramidal tract function and the clinical 'pyramidal syndrome'. Wiesendanger M. **Hum Neurobiol** 1984; 2(4):227–34

Spinal cord monitoring during surgery by direct recording of somatosensory evoked potentials. Technical note. Whittle IR, et al. **J Neurosurg** 1984 Feb;60(2):440–3

Clinical correlation of urodynamic findings in patients with localized partial lesions of the spinal cord and cauda equina. Gunasekera WS, et al. **Surg Neurol** 1984 Feb;21(2):148–54

[Evaluation of cord functions in patients with cervical radiculomyelopathy using cortical and spinal somatosensory evoked potentials] Kubota S, et al. **No To Shinkei** 1984 Apr;36(4):339–48 (Eng. Abstr.) **(Jpn)**

[Frequency response analysis of oculomotor function—spinocerebellar degeneration] Hayashi F, et al. **Rinsho Shinkeigaku** 1983 Nov;23(11):982–90 (Eng. Abstr.) **(Jpn)**

[Disorders of higher cortical function and EEG features in patients with spinal cord lesions] Aksenova IL, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1780–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT recognition of thorotrast-induced intracranial and lumbar arachnoiditis. Kaplan AW, et al. **AJNR** 1984 May–Jun; 5(3):323–5

Pseudocyst of spinal cord on metrizamide ct [letter] Zatz LM. **AJNR** 1984 Jul–Aug;5(4):489–90

Metrizamide CT myelography in the evaluation of spinal arachnoid diverticula. Camras LR, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1084–6

Computed tomography of spontaneous acute cervical epidural hematoma. Haykal HA, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):229–31

Spontaneous cervical epidural hematoma. A consideration of etiology. Beatty RM, et al. **J Neurosurg** 1984 Jul; 61(1):143–8

Intradural extramedullary tuberculoma of the cervical spine. Case report. Compton JS, et al. **J Neurosurg** 1984 Jan; 60(1):200–3

Congenital neural abnormalities presenting with mirror movements in a patient with Klippel–Feil syndrome. Case report. Whittle IR, et al. **J Neurosurg** 1983 Nov;59(5):891–4

Lumbar myelography with iohexol and metrizamide: a comparative multicenter prospective study. Kieffer SA, et al. **Radiology** 1984 Jun;151(3):665–70

Dynamic computed tomography scanning with combined metrizamide and arterial bolus injection in arteriovenous malformation of the spinal cord. Guinto FC Jr, et al. **Surg Neurol** 1984 Aug;22(2):181–5

Spinal subdural empyema: diagnosis by spinal computed tomography. Theodotou B, et al. **Surg Neurol** 1984 Jun; 21(6):610–2

[Scanography: yesterday and today] Ethier R, et al. **Union Med Can** 1983 Oct;112(10):903–7 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Nuclear magnetic resonance: its clinical application. Steiner RE. **J Bone Joint Surg [Br]** 1983 Nov;65(5):533–5

SURGERY

Spinal segmental myoclonus. Successful treatment with cervical spinal decompression. Daniel DG, et al. **Arch Neurol** 1984 Aug;41(8):898–9

Proceedings of the Congress of Neurological Surgeons. Ontario, Canada, 1982. **Clin Neurosurg** 1983;30:1–762

The tethered spinal cord. Hendrick EB, et al. **Clin Neurosurg** 1983;30:457–63

Spinal cord monitoring as a clinical utilization of the spinal evoked potential. Tamaki T, et al. **Clin Orthop** 1984 Apr; (184):58–64

Intraoperative evoked potential monitoring of the spinal cord: enhanced stability of cortical recordings. Nuwer MR, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jul; 59(4):318–27

Calcium pyrophosphate dihydrate deposits in the cervical ligamenta flava causing myeloradiculopathy. Nagashima C, et al. **J Neurosurg** 1984 Jan;60(1):69–80

Focal intramedullary tension in patients with cord lesion and its surgical relief by spinal cord relaxation [letter] Breig A, et al. **Lancet** 1984 Mar 31;1(8379):739–40

The sitting position in neurosurgery: a retrospective analysis of 488 cases. Standefer M, et al. **Neurosurgery** 1984 Jun; 14(6):649–58

Spinal arachnoiditis ossificans [letter] Whittle IR, et al. **Neurosurgery** 1983 Dec;13(6):737

Cortical evoked potential monitoring. A system for intraoperative monitoring of spinal cord function. Brown RH, et al. **Spine** 1984 Apr;9(3):256–61

Spontaneous spinal subdural hematoma. A case report. Sakata T, et al. **Spine** 1984 Apr;9(3):324–6

Spinal epidural hematoma. Costabile G, et al. **Surg Neurol** 1984 May;21(5):489–92

[Arachnoid cysts of the spinal cord] Jiao DR. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Dec; 16(6):375–7 (Eng. Abstr.) **(Chi)**

[Results of surgical treatment of myeloradiculopathy caused by cervicarthrosis. Apropos of 1000 surgically treated patients] Jomin M, et al. **LARC Med** 1983 Nov;3(9):613–7 (Eng. Abstr.) **(Fre)**

[A case of spinal epidural abscess in a renal transplant recipient] Egashira T, et al. **No Shinkei Geka** 1984 May; 12(6):739–43 (Eng. Abstr.) **(Jpn)**

THERAPY

Evoked potentials by means of temporary and permanent implanted spinal cord stimulating systems—preliminary report. Kepplinger B. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(2):59–64

Long-term results in 102 cases of cervical myeloradiculopathy operated on for spondylosis and disc herniation. Reale F. **Ital J Neurol Sci** 1983 Sep;4(3):291–6

Somatosensory evoked potentials during spinal angiography and therapeutic transvascular embolization. Berenstein A, et al. **J Neurosurg** 1984 Apr;60(4):777–85

Artificial respiration by phrenic nerve stimulation (diaphragm pacing) in patients with cervical cord and brain stem lesions. Fodstad H, et al. **Scand J Rehabil Med** 1983; 15(4):173–81

[Therapeutic use of hyperbaric oxygenation in lesions of the spinal cord] Elinskil MP, et al. **Zh Nevropatol Psikhiatr** 1984;84(5):682–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Fibrocartilaginous embolism and ischemic myelopathy in a four month old German shepherd dog. Doige CE, et al. **Can J Comp Med** 1983 Oct;47(4):499–500

Selenium toxicity and porcine focal symmetrical poliomyelomalacia: description of a field outbreak and experimental reproduction. Wilson TM, et al. **Can J Comp Med** 1983 Oct;47(4):412–21

Spinal disease in the dog. Griffiths I. **In Pract** 1982 Mar; 4(2):44–52

Myelopathy and vitamin E deficiency in six Mongolian wild horses. Liu SK, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1266–8

Copper deficiency in piglets characterized by spongy myelopathy and degenerative lesions in the great blood vessels. Pletcher JM, et al. **J S Afr Vet Assoc** 1983 Mar; 54(1):43–6

Degenerative myelopathy in a German shepherd. Romatowski J. **Mod Vet Pract** 1984 Jul;65(7):535–7

Caprine encephalomyelomalacia. Cordy DR, et al. **Vet Pathol** 1984 May;21(3):269–73

A leukoencephalomyelopathy of rottweiler dogs. Gamble DA, et al. **Vet Pathol** 1984 May;21(3):274–80

Spinal cord malacia following general anaesthesia in the horse. Blakemore WF, et al. **Vet Rec** 1984 Jun 9; 114(23):569–70

SPINAL CORD INJURIES

Child adjustment as related to financial security and employment status of fathers with spinal cord injuries. Buck FM, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):327–33

Pregnancy after spinal cord injury [letter] McCunniff DE, et al. **Obstet Gynecol** 1984 May;63(5):757–8

American Spinal Injury Association (ASIA). Ninth annual scientific meeting April 11th–13th, 1983, Denver, Colorado, U.S.A. Abstracts. **Paraplegia** 1984 Feb; 22(1):45–54

[Trends in contemporary research on spinal cord injuries in the USA] Němeček S. **Cesk Neurol Neurochir** 1984 Jan; 47(1):38–41 **(Cze)**

BLOOD

Spinal cord injury and serum erythropoietin. Claus-Walker J, et al. **Arch Phys Med Rehabil** 1984 Jul;65(7):370–4

Low serum 3,3',5–triiodothyronine (T3) and reciprocally high serum 3,3',5'–triiodothyronine (reverse T3) concentration in spinal cord injury patients. Prakash V. **J Am Paraplegia Soc** 1983 Jul;6(3):56–8

COMPLICATIONS

Post traumatic spinal arachnoid cysts. Lesoin F, et al. **Acta Neurochir (Wien)** 1984;70(3–4):227–34

Intraoperative spinal sonography: adjunct to metrizamide CT in the assessment and surgical decompression of posttraumatic spinal cord cysts. Quencer RM, et al. **AJR** 1984 Mar;142(3):593–601

Relationship of hypercalciuria to diet and bladder stone formation in spinal cord injury patients. Lamid S, et al. **Am J Phys Med** 1984 Aug;63(4):182–7

The perioperative management of the patient with pressure sores. Stal S, et al. **Ann Plast Surg** 1983 Oct;11(4):347–56

Immobilization hypercalcemia in acute spinal cord injury treated with etidronate. Merli GJ, et al. **Arch Intern Med** 1984 Jun;144(6):1286–8

Lower extremity hemorrhage in spinal cord injured patients receiving therapeutic anticoagulation. Chen YT, et al. **Arch Phys Med Rehabil** 1984 May;65(5):263–6

Telogen effluvium: hair loss after spinal cord injury. Dahlin PA, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):485–6

Posttraumatic cystic myelopathy in motor incomplete quadriplegia presenting as progressive orthostasis. Maynard FM. **Arch Phys Med Rehabil** 1984 Jan;65(1):30–2

Osteomyelitis in spinal cord injury. Sugarman B. **Arch Phys Med Rehabil** 1984 Mar;65(3):132–4

Cardiovascular pathology in dialysis patients with spinal cord injury. Pahl MV, et al. **Artif Organs** 1983 Nov;7(4):416–9

Computerized tomography of pelvic osteomyelitis in patients with spinal cord injuries. Firooznia H, et al. **Clin Orthop** 1983 Dec;(181):126–31

Computerized tomography in diagnosis of pelvic abscess in spinal-cord-injured patients. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):335–41

A double-blind randomized, controlled study to investigate the efficacy of cimetidine given in addition to conventional therapy in the prevention of stress ulceration and haemorrhage in patients with acute spinal injury. Zäch GA, et al. **Digestion** 1984;29(4):214–22

Complete sensory and motor recovery from anterior spinal artery syndrome after sprain of the cervical spine. A case report. Foo D, et al. **Eur Neurol** 1984;23(2):119–23

Penetrating injury of the spinal cord. Gentleman D, et al. **Injury** 1984 Jul;16(1):7–8

Chronic hemodialysis in end-stage renal disease associated with paraplegia. Vaziri ND. **Int J Artif Organs** 1984 May; 7(3):111–4 (19 ref.)

The Girdlestone procedure in spinal cord injured patients: a ten year experience. Eltorai I. **J Am Paraplegia Soc** 1983 Oct;6(4):85–6

Electromyographic (EMG) urodynamic anal probe as a diagnostic tool in the management of sexual dysfunctions in female spinal cord injured patients. Leyson JF. **J Am Paraplegia Soc** 1983 Oct;6(4):79–80

Management of neurogenic bladder in female spinal cord injury patients. Song GW, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):4–7

Spinal cord injury—update. Stover SL. **J Am Paraplegia Soc** 1983 Jul;6(3):66–74 (36 ref.)

Post-traumatic spinal-cord cyst. A case report. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):614–8

pH and water content of Pseudomonas aeruginosa- and Klebsiella pneumoniae-Colonized Perineal Skin of Men with spinal cord injuries. Montgomerie JZ, et al. **J Clin Microbiol** 1983 Oct;18(4):844–8

Localization of urinary tract infection in patients with spinal cord injury. Hooton TM, et al. **J Infect Dis** 1984 Jul; 150(1):85–91

The diagnosis of intra-abdominal injury in patients with cervical cord trauma. Soderstrom CA, et al. **J Trauma** 1983 Dec;23(12):1061–5

The risk of renal calculi in spinal cord injury patients. DeVivo MJ, et al. **J Urol** 1984 May;131(5):857–60

Use of the artificial urinary sphincter in spinal cord injury patients. Light JK, et al. **J Urol** 1983 Dec;130(6):1127–9

Spinal cord injury and the urethra [editorial] McGuire EJ. **J Urol** 1984 Jun;131(6):1146

Indication and results of semirigid penile prostheses in spinal cord injury patients: long-term followup. Rossier AB, et al. **J Urol** 1984 Jan;131(1):59–62

Traumatic injuries of the cervical cord and spine. Shigemori M, et al. **Kurume Med J** 1983;30(1):5–13

Multiple intraspinal and intracranial epidermoids and lipomata following gunshot injury. Smith CM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):235–9

Parturient with spinal cord transection: complications of autonomic hyperreflexia [letter] Spielman FJ. **Obstet Gynecol** 1984 Jul;64(1):147–8

Reflex sympathetic dystrophy following traumatic myelopathy. Wainapel SF. **Pain** 1984 Apr;18(4):345–9

Endocrine pathology in spinal cord injured patients on maintenance dialysis. Barton CH, et al. **Paraplegia** 1984 Feb;22(1):7–16

Urodynamic studies in evaluating detrusor sphincter dyssynergia and their effects on the treatment. Buczyński AZ. **Paraplegia** 1984 Jun;22(3):168–72

Trunk and leg growth in children with paraplegia caused by spinal cord injury. Duval-Beaupere G, et al. **Paraplegia** 1983 Dec;21(6):339–50

Osteomyelitis in the spinal cord injured: a review and a preliminary report on the use of hyperbaric oxygen therapy. Eltorai I, et al. **Paraplegia** 1984 Feb;22(1):17–24

Venous thrombosis and pulmonary embolism occurring at close intervals in spinal cord injury patients. Frisbie JH, et al. **Paraplegia** 1983 Aug;21(4):270–1

The role of urodynamics in the management of spinal cord injured patients. Gardner BP, et al. **Paraplegia** 1984 Jun; 22(3):157–61

Study of ectopic bone formation in experimental spinal cord injured rabbits. Izumi K. **Paraplegia** 1983 Dec;21(6):351–63

Sexual dysfunction after spinal cord or cauda equina lesions. Larsen E, et al. **Paraplegia** 1984 Apr;22(2):66–74

Osseous metaplasia: a late pathological finding within the scar tissue formed following spinal injury. Smith CM, et al. **Paraplegia** 1983 Dec;21(6):380–7

The value of gynaecological examinations in spinal cord injured women. Terbizan AT, et al. **Paraplegia** 1983 Aug; 21(4):266–9

The use of urodynamic studies to assess the effect of pharmacological agents with particular references to alpha-adrenergic blockade. Thomas DG, et al. **Paraplegia** 1984 Jun;22(3):162–7

Long-term haemodialysis in spinal cord injured patients. Vaziri ND. **Paraplegia** 1984 Apr;22(2):110–4

Effects of electrical stimulation on spinal spasticity. Vodovnik L, et al. **Scand J Rehabil Med** 1984;16(1):29–34

Bowel management in patients with spinal cord lesions. Doraisamy P. **Singapore Med J** 1984 Apr;25(2):70–2

Traumatic myelopathy in a seventeen-year-old child with cervical spinal stenosis (without fracture or dislocation) and a C2–C3 Klippel–Feil fusion. A case report. Epstein NE, et al. **Spine** 1984 May–Jun;9(4):344–7

Cranial nerve palsies in cervical injuries. Grundy DJ, et al. **Spine** 1984 May–Jun;9(4):339–43

A new method of management using the Kim–Ray Greenfield filter for deep venous thrombosis and pulmonary embolism in spinal cord injury. Jarrell BE, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):316–20

Significance of asymptomatic bacteriuria in neurogenic bladder disease. Lewis RI, et al. **Urology** 1984 Apr; 23(4):343–7

[Brachial diplegia of traumatic origin as a result of injuries of the cervical cord] Fuentes JM, et al. **Neurochirurgie** 1984;30(3):165–70 (Eng. Abstr.) **(Fre)**

[Changes in the motor units in patients with traumatic paraplegia] Khoubesserian P, et al. **Rev Neurol (Paris)** 1983; 139(11):635–42 (Eng. Abstr.) **(Fre)**

[Posttraumatic syringomyelia] Schliep G, et al. **Fortschr Neurol Psychiatr** 1984 Feb;52(2):62–6 (Eng. Abstr.) **(Ger)**

[Cutaneous cerebrospinal fluid fistula associated with secondary puncture of the dura caused by a peridural catheter] Motsch J, et al. **Reg Anaesth** 1984 Apr;7(2):74–6 (Eng. Abstr.) **(Ger)**

[Transurethral anterior sphincterotomy on spinal cord injury patients] Komine S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):566–75 (Eng. Abstr.) **(Jpn)**

[Autonomic dysreflexia in medullary section lesions] Hjeltnes N, et al. **Tidsskr Nor Laegeforen** 1983 Oct 10;103(28):1933–6 (Eng. Abstr.) **(Nor)**

[Myocardial changes after spinal cord injuries in humans and experimental animals] Sharov VG, et al. **Arkh Patol** 1984; 46(5):17–20 (Eng. Abstr.) **(Rus)**

[Perforation of gastroduodenal ulcers against a background of neurological and mental diseases] Papazov FK, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):88–90 **(Rus)**

[Neurologic aspects of the problem of scoliosis in children] Ratner AIu, et al. **Ortop Travmatol Protez** 1984 Mar; (3):34–7 (Eng. Abstr.) **(Rus)**

[Pharmacological regulation of intestinal motility in patients with injuries] Shangai VA, et al. **Ortop Travmatol Protez** 1984 Feb;(2):41–3 (Eng. Abstr.) **(Rus)**

[Roentgenological characteristics of the respiratory organs in children with birth injuries of the spine and spinal cord] Mikhailov MK, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug; (4):57–60 (Eng. Abstr.) **(Rus)**

[Pathogenetic aspects of heart failure in spinal shock] Galakhin KA. **Zh Vopr Neirokhir** 1983 Jul–Aug;(4):51–5 (Eng. Abstr.) **(Rus)**

[Possibility of controlling orthostatic instability in spinal cord injuries] Moiseev VA. **Zh Vopr Neirokhir** 1984 May–Jun; (3):45–8 (Eng. Abstr.) **(Rus)**

CONGENITAL

Evidence of spinal cord injury in an infant delivered by cesarean section. A case report. Hernandez-Marti M, et al. **Childs Brain** 1984;11(3):197–201

DIAGNOSIS

Functional paralysis mimicking spinal cord injury resulting in admission to a spinal cord injury center. Weingarden SI, et al. **Arch Phys Med Rehabil** 1984 Mar;65(3):145–7

Hyperextension trauma in the elderly: an easily overlooked spinal injury. Scher AT. **J Trauma** 1983 Dec;23(12):1066–8

Conversion reaction presenting as acute spinal cord injury. Dickson H, et al. **Med J Aust** 1984 Sep 29;141(7):427–9

Intraoperative sonography in spinal trauma. Montalvo BM, et al. **Radiology** 1984 Oct;153(1):125–34
Utilization of somatosensory evoked cortical potentials in spinal cord injury. Prognostic limitations. York DH, et al. **Spine** 1983 Nov–Dec;8(8):832–9
Somatosensory–evoked potentials in spinal cord injuries. McGarry J, et al. **Surg Neurol** 1984 Oct;22(4):341–3
[Diagnosis and treatment of birth spinal and spinal cord injuries in children] Iukhnova OM, et al. **Ortop Travmatol Protez** 1983 Sep;(7):15–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Improvement in injury induced hypocalcia by high–dose naloxone intervention. Stokes BT, et al. **Brain Res** 1984 Jan 2;290(1):187–90
A possible neurochemical basis for the neuropsychiatric aspects of baclofen therapy. Keegan DL, et al. **Int J Neurosci** 1983 Sep;20(3–4):249–54
Lidocaine in cord injury [letter] **J Neurosurg** 1984 Aug; 61(2):413–4
Effects of multi–dose methylprednisolone sodium succinate administration on injured cat spinal cord neurofilament degradation and energy metabolism. Braughler JM, et al. **J Neurosurg** 1984 Aug;61(2):290–5
Megadose corticosteroid therapy following experimental traumatic spinal injury. Faden AI, et al. **J Neurosurg** 1984 Apr;60(4):712–7
Failure of tetracaine to reverse spinal cord injury in the cat. Ford RW, et al. **J Neurosurg** 1984 Jun;60(6):1269–74
Effects of a single large dose of methylprednisolone sodium succinate on experimental posttraumatic spinal cord ischemia. Dose–response and time–action analysis. Hall ED, et al. **J Neurosurg** 1984 Jul;61(1):124–30
Effect of intravenous lidocaine on experimental spinal cord injury. Kobrine AI, et al. **J Neurosurg** 1984 Mar; 60(3):595–601
Efficacy of methylprednisolone in acute spinal cord injury. Bracken MB, et al. **JAMA** 1984 Jan 6;251(1):45–52
Opiate antagonists and thyrotropin–releasing hormone. II. Potential role in the treatment of central nervous system injury. Faden AI. **JAMA** 1984 Sep 21;252(11):1452–4
The question of steroids in neurotrauma. To give or not to give [editorial] Kobrine AI. **JAMA** 1984 Jan 6;251(1):68
Methylprednisolone in spinal cord injuries [letter] Spodick DH. **JAMA** 1984 Aug 24–31;252(8):1009
Intrathecal baclofen alleviates spinal cord spasticity [letter] Penn RD, et al. **Lancet** 1984 May 12;1(8385):1078
Effects of deep barbiturate coma on acute spinal cord injury in the cat. Ducati A, et al. **Surg Neurol** 1984 Apr; 21(4):405–13
[Management of chronic spinal cord injury patients with prazosin] Okamura K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1621–6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Effect of traumatic injury on membrane phosphatase activity in cat spinal cord. Goldman SS, et al. **Exp Neurol** 1983 Dec;82(3):650–62

ETIOLOGY

Are spinal injuries more common in rugby union than in rugby league football? [letter] Patel MK, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1308
Injuries of the spine sustained in rugby. Silver JR. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):37–43
Acute spinal cord injury in the rat: comparison of three experimental techniques. Khan M, et al. **Can J Neurol Sci** 1983 Aug;10(3):161–5
Cervical spine injuries in rugby players. Sovio OM, et al. **Can Med Assoc J** 1984 Mar 15;130(6):735–6
Spontaneous injury caused by a muscle exerciser. George J, et al. **Injury** 1983 Sep;15(2):141–2
Quadriplegia following rugby football injury. Lamid S, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):12–4
Gunshot wounds to the spine: the effects of bullet fragments in the spinal canal. Waters RL. **J Am Paraplegia Soc** 1984 Apr;7(2):30–3
Injuries of the cervical spine in schoolboy rugby football. McCoy GF, et al. **J Bone Joint Surg [Br]** 1984 Aug; 66(4):500–3
Delayed onset of Lhermitte's sign following head and/or neck injuries. Report of four cases. Chan RC, et al. **J Neurosurg** 1984 Mar;60(3):609–12
Ischemic damage to the spinal cord following surgery of the abdominal aorta. Dunki Jacobs PB, et al. **Neth J Surg** 1984 Feb;36(1):1–5
The noncerebrovascular complications of chiropractic manipulation. Schmidley JW, et al. **Neurology (NY)** 1984 May;34(5):684–5
Rugby injuries to the cervical spinal cord sustained during rucks and mauls. Case reports. Scher AT. **S Afr Med J** 1983 Oct 1;64(15):592–4
Swimming and diving accidents and spinal cord injury [letter] Scher AT. **S Afr Med J** 1983 Dec 10;64(25):966–7
[Spinal injuries with neurological signs while practicing a sport] Depassio J, et al. **Sem Hop Paris** 1983 Dec 8; 59(45):3131–5 (Eng. Abstr.) **(Fre)**
[Isolated injury of the cervical spinal cord without damage to the spine] Ruban GE, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):54 **(Rus)**

IMMUNOLOGY

Heterotopic ossification and HLA antigens. Garland DE, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):531–2
Systemic humoral factors participating in the course of spinal cord injury. Mizrachi Y, et al. **Paraplegia** 1983 Oct; 21(5):287–93

METABOLISM

Pharmacokinetics of gentamicin in patients with spinal cord injury. Segal JL, et al. **Clin Pharm** 1984 Jul–Aug; 3(4):418–20
Zinc and spinal cord injury: a review. Sugarman B. **J Am Paraplegia Soc** 1984 Apr;7(2):39–42 (33 ref.)
Loss of ascorbic acid from injured feline spinal cord. Pietronigro DD, et al. **J Neurochem** 1983 Oct;41(4):1072–6
Energy expenditure of ambulation in paraplegics: effects of long term use of bracing. Chantraine A, et al. **Paraplegia** 1984 Jun;22(3):173–81

MICROBIOLOGY

Epidemiology of gentamicin–resistant, gram–negative bacillary colonization in a spinal cord injury unit. Shlaes DM, et al. **J Clin Microbiol** 1983 Aug;18(2):227–35
Endemic gentamicin resistance R factors on a spinal cord injury unit. Shlaes DM, et al. **J Clin Microbiol** 1983 Aug; 18(2):236–41
The use of the bladder wash–out test in patients with spinal cord lesions who have urinary tract infection. Wyndaele JJ, et al. **Paraplegia** 1983 Oct;21(5):294–300

MORTALITY

Alcohol and fatal injuries of the head and spine. McLean AJ, et al. **Community Health Stud** 1984;8(2):159–66
Increasing survival and changing causes of death in myelopathy patients. Frisbie JH, et al. **J Am Paraplegia Soc** 1983 Jul;6(3):51–6
Survival in traumatic spinal cord injury. Geisler WO, et al. **Paraplegia** 1983 Dec;21(6):364–73

NURSING

Cervical logrolling on a standard hospital bed. Agee BL, et al. **Am J Nurs** 1984 Mar;84(3):314–8
Central cord injury: implications for nursing. Dudas S, et al. **J Neurosurg Nurs** 1984 Apr;16(2):84–8
Spinal cord injury: nutritional management. Lagger L. **J Neurosurg Nurs** 1983 Oct;15(5):310–2

OCCURRENCE

Birth injury to the cervical spine and spinal cord. Reid H. **Acta Neurochir [Suppl] (Wien)** 1983;32:87–90
National survey of spinal injuries in hockey players. Tator CH, et al. **Can Med Assoc J** 1984 Apr 1;130(7):875–80
A demographic study of spinal cord injured veterans. Stripling T, et al. **J Am Paraplegia Soc** 1983 Jul;6(3):62–6
Pediatric neck injuries. A clinical study. Hill SA, et al. **J Neurosurg** 1984 Apr;60(4):700–6
Spinal cord injury in the houston–galveston area. Clifton GL. **Tex Med** 1983 Sep;79(9):55–7

PATHOLOGY

Ultrastructural changes of synapses in the frog spinal cord during hypothermia. Vodvářka P, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:53–62
Injuries of the cervical spine. McSweeney T. **Ann R Coll Surg Engl** 1984 Jan;66(1):1–6
Infant lesion effect: III. Anatomical correlates of sparing and recovery of function after spinal cord damage in newborn and adult cats. Bregman BS, et al. **Brain Res** 1983 Aug; 285(2):137–54
Identified central axons differ in their response to spinal cord transection. Fishman PS, et al. **Brain Res** 1984 Jul 2; 305(1):152–6
Differences between adult and neonatal rats in their astroglial response to spinal injury. Barrett CP, et al. **Exp Neurol** 1984 May;84(2):374–85
Neuronophagia by leukocytes in experimental spinal cord injury. Means ED, et al. **J Neuropathol Exp Neurol** 1983 Nov;42(6):707–19
Ultrastructural alterations in blood vessels of the white matter after experimental spinal cord trauma. Kapadia SE. **J Neurosurg** 1984 Sep;61(3):539–44
Effect of acute spinal cord injury on axonal counts in the pyramidal tract of rats. Tator CH, et al. **J Neurosurg** 1984 Jul;61(1):118–23
Histologic evidence for death of cortical neurons after spinal cord transection. Feringa ER, et al. **Neurology (NY)** 1984 Aug;34(8):1002–6
Spinal cord transection, cerebral ischaemic and brain–stem injury in a baby following a Kielland's forceps rotation. Gould SJ, et al. **Neuropathol Appl Neurobiol** 1984 Mar–Apr; 10(2):151–8
Cellular morphology of chronic spinal cord injury in the cat: analysis of myelinated axons by line–sampling. Blight AR. **Neuroscience** 1983 Oct;10(2):521–43
Regeneration in the human spinal cord: a review of the response to injury of the various constituents of the human spinal cord. Hughes JT. **Paraplegia** 1984 Jun;22(3):131–7
Pathophysiological mechanism of traumatic cavitation of the spinal cord. Wozniewicz B, et al. **Paraplegia** 1983 Oct; 21(5):312–7
Progressive cystic degeneration of the spinal cord following spinal cord injury. Mudge K, et al. **Spine** 1984 Apr; 9(3):253–5

PHYSIOPATHOLOGY

Effects of gangliosides on the functional recovery of damaged brain. Toffano G, et al. **Adv Exp Med Biol** 1984;174:475–88
Motor control in man after partial or complete spinal cord injury. Dimitrijevic MR, et al. **Adv Neurol** 1983;39:915–26
An electrocardiographic survey of patients with chronic spinal cord injury. Blocker WP, et al. **Am Correct Ther J** 1983 Jul–Aug;37(4):101–4
Electromyographic study of the upper extremity during bilateral sanding: unresisted and resisted conditions. Spaulding SJ, et al. **Am J Occup Ther** 1984 Apr; 38(4):258–62
Improving the cough in patients with spinal cord injury. Braun SR, et al. **Am J Phys Med** 1984 Feb;63(1):1–10
Smoking, spasticity and pressure sores in spinal cord injured patients. Lamid S, et al. **Am J Phys Med** 1983 Dec; 62(6):300–6
Suprasegmentally induced motor unit activity in paralyzed muscles of patients with established spinal cord injury. Dimitrijevic MR, et al. **Ann Neurol** 1984 Aug;16(2):216–21
Oculosympathetic spasm with cervical spinal cord injury. Kline LB, et al. **Arch Neurol** 1984 Jan;41(1):61–4
Total body water and its distribution in men with spinal cord injury. Cardús D, et al. **Arch Phys Med Rehabil** 1984 Sep; 65(9):509–12
Sympathetic activity in man after spinal cord injury. Outflow to skin below the lesion. Wallin BG, et al. **Brain** 1984 Mar; 107 (Pt 1):183–98
Infant lesion effect: II. Sparing and recovery of function after spinal cord damage in newborn and adult cats. Bregman BS, et al. **Brain Res** 1983 Aug;285(2):119–35
Infant lesion effect: I. Development of motor behavior following neonatal spinal cord damage in cats. Bregman BS, et al. **Brain Res** 1983 Aug;285(2):103–17
Astrogliosis limits the integration of peripheral nerve grafts into the spinal cord. Fishman PS, et al. **Brain Res** 1983 Oct 24;277(1):175–80
Long term effects of spinal cord lesions on the configuration of somatosensory evoked potentials. Part 1: Alterations in waveform characteristics. Simpson RK Jr, et al. **Clin Electroencephalogr** 1983 Jul;14(3):142–51
Long term effects of spinal cord lesions on the configuration of somatosensory evoked potentials. Part 2: Changes in components produced by afferent interaction. Simpson RK Jr, et al. **Clin Electroencephalogr** 1983 Oct;14(4):173–85
Recovery from spinal cord injury. Ducker TB, et al. **Clin Neurosurg** 1983;30:495–513
The biomechanics of spinal injuries. Sances A Jr, et al. **Crit Rev Biomed Eng** 1984;11(1):1–76 (244 ref.)
Electrophysiological characteristics of lumbosacral evoked potentials in patients with established spinal cord injury. Lehmkuhl D, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):142–55
Effect of traumatic spinal cord transection on human upper gastrointestinal motility and gastric emptying. Fealey RD, et al. **Gastroenterology** 1984 Jul;87(1):69–75
Colonic dysfunction in patients with thoracic spinal cord injury. Glick ME, et al. **Gastroenterology** 1984 Feb; 86(2):287–94
Plasticity of the corticospinal tract following midthoracic spinal injury in the postnatal rat. Bernstein DR, et al. **J Comp Neurol** 1983 Dec 20;221(4):382–400
Autonomic hyperreflexia in spinal cord injured patients: trigger mechanism—dressing changes of pressure sores. Hall PA, et al. **J Trauma** 1983 Dec;23(12):1074–5
Further characterization of the external urethral sphincter in spinal cord injury: study during spinal shock and evolution of responsiveness to alpha–adrenergic stimulation. Koyanagi T, et al. **J Urol** 1984 Jun; 131(6):1122–6
Renal function after acute and chronic spinal cord injury. Kuhlemeier KV, et al. **J Urol** 1984 Mar;131(3):439–45
Are chronic spinal cord injured patients (SCIP) prone to premature aging? Ohry A, et al. **Med Hypotheses** 1983 Aug; 11(4):467–9
Arm cranking and wheelchair ergometry in elite spinal cord–injured athletes. Wicks JR, et al. **Med Sci Sports Exerc** 1983;15(3):224–31
The effects of spinal cord injury on somatosensory evoked potentials produced by interactions between afferent pathways. Simpson RK Jr, et al. **Neurol Res** 1983;5(3):39–56
Axonal physiology of chronic spinal cord injury in the cat: intracellular recording in vitro. Blight AR. **Neuroscience** 1983 Dec;10(4):1471–86
Compression injuries of the cervical spine: a biomechanical analysis. Maiman DJ, et al. **Neurosurgery** 1983 Sep; 13(3):254–60
Caloric stimulation–induced augmentation of H–reflexes in normal subjects, but not in spinal cord–injured patients. Raffensperger M, et al. **Neurosurgery** 1984 May;14(5):562–6
Thermoregulatory set point in patients with spinal cord injuries (spinal man). Attia M, et al. **Paraplegia** 1983 Aug; 21(4):233–48
A review and update of experiment and clinical studies of

spinal cord injury. Collins WF. **Paraplegia** 1983 Aug; 21(4):204–19 (67 ref.)
A critical review of urodynamic investigations in spinal cord injury patients. Wyndaele JJ. **Paraplegia** 1984 Jun; 22(3):138–44
Neuropeptides in spinal cord injury: comparative experimental models. Faden AI, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):631–4
Spinal–cord concussion in frogs. A study of reflex changes. Parkinson D, et al. **Surg Neurol** 1983 Dec;20(6):456–60
[Patency of leptomeningeal vessels at the site of experimental spinal contusion–prerequisites for transplantation of a peripheral nerve into the spinal cord] Němeček S. **Cesk Neurol Neurochir** 1983 Sep;46(5):323–7 (Eng. Abstr.) **(Cze)**
[Spindle activity during sleep in subjects with a deficit in pallesthetic sensibility] Cicirata F, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1357–63 (Eng. Abstr.) **(Ita)**
[Penile hemodynamics in humans studied by polarographic measurement of the tissue oxygen tension. 2: Penile circulatory factor concerning reflexogenic erection in patients with injury to the spinal cord] Aoki H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):367–78 (Eng. Abstr.) **(Jpn)**
[Experimental study on spinal cord monitoring—changes in spinal cord evoked potentials during vertical direction distraction of the spinal cord] Harada Y. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul;57(7):685–701 (Eng. Abstr.) **(Jpn)**
[Regulation of the cardiovascular and respiratory systems in patients with spinal cord injuries] Butukhanov VV. **Ortop Travmatol Protez** 1983 Sep;(7):21–3 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The Florida approach to spinal cord injury prevention. Shaw LR, et al. **Rehabil Lit** 1984 Mar–Apr;45(3–4):85–9
[Somatosensory evoked potentials in surgery of the spine] Matzen KA, et al. **Z Orthop** 1984 Jan–Feb;122(1):83–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychological aspects of spinal cord injuries—an important point in the outcome of rehabilitation. Jochheim KA. **Ann Acad Med Singapore** 1983 Jul;12(3):377–9
Spinal cord injury: psychological adaptation. Stanton GM. **J Neurosurg Nurs** 1983 Oct;15(5):306–9
Variables related to acceptance of disability in persons with spinal cord injuries. Woodrich F, et al. **J Rehabil** 1983 Jul–Sep;49(3):26–30
The emotional care of a person with a spinal cord injury. Brackett TO, et al. **JAMA** 1984 Aug 10;252(6):793–5
The sexual experience in younger males with complete spinal cord injury. Sjögren K, et al. **Scand J Rehabil Med [Suppl]** 1983;9:189–94

RADIOGRAPHY

Neuroradiology of the sequelae of spinal cord trauma. Perovitch M. **Acta Neurochir [Suppl] (Wien)** 1983;32:91–4
Spine–spinal cord relationships in spinal cord trauma. Tator CH. **Clin Neurosurg** 1983;30:479–94
Evaluation of cervical spinal cord injuries with metrizamide myelography–CT scanning. Cooper PR, et al. **J Neurosurg** 1984 Aug;61(2):281–9
Traumatic dural tears: CT diagnosis using metrizamide. Morris RE, et al. **Radiology** 1984 Aug;152(2):443–6
[A rare form of open spinal cord injury] Eggert HR, et al. **Aktuel Traumatol** 1984 Feb;14(1):23–6 (Eng. Abstr.) **(Ger)**
[X–ray indices of injury to the cervical spinal cord in the acute period of trauma] Brodskaia ZL. **Vestn Rentgenol Radiol** 1983 May–Jun;(3):40–5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Peripheral muscle blood flow in spinal cord trauma patients based on 133Xe study data] Galakhin KA. **Med Radiol (Mosk)** 1983 Nov;28(11):78–80 (Eng. Abstr.) **(Rus)**

REHABILITATION

Spinal cord injury and maximal aerobic power. Figoni SF. **Am Correct Ther J** 1984 Mar–Apr;38(2):44–50
Wheelchair–attachable deltoid aid. King TI 2d. **Am J Occup Ther** 1983 Aug;37(8):564–5
Magnetic splint for object retrieval. Mildenberger LA. **Am J Occup Ther** 1984 Mar;38(3):195–7
Total bladder care for the spinal cord injured patient. Wu YC. **Ann Acad Med Singapore** 1983 Jul;12(3):387–99
Independent living outcomes in spinal cord injury: multivariate analyses. DeJong G, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):66–73
Modifying attitudes toward disabled persons while resocializing spinal cord injured patients. Haney M, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):431–6
Upper limb exercise effect on tilt tolerance during orthostatic training of patients with spinal cord injury. Lopes P, et al. **Arch Phys Med Rehabil** 1984 May;65(5):251–3
Videogame adaptation for patients with high–level cervical injury. White GW, et al. **Arch Phys Med Rehabil** 1984 Apr; 65(4):208–9
Rehabilitation of pediatric spinal cord injury: the Newington Children's Hospital experience. Banta JV. **Conn Med** 1984 Jan;48(1):14–8
Urodynamic monitoring after spinal cord injury. Anderson RU. **J Am Paraplegia Soc** 1984 Jan;7(1):15–9 (38 ref.)
The spinal cord injured female in the veterans hospital: the role of the environment in rehabilitation. Bostick R, et al. **J Am Paraplegia Soc** 1983 Oct;6(4):81–4
A teaching tool for spinal cord injured patients. Hamric AB. **J Neurosurg Nurs** 1981 Oct;13(5):234–8
Restoration of hand function. Woolsey RM. **Mo Med** 1984 Jul;81(7):353–5
Using transrectal sonography to teach patients with spinal cord injuries to retrain their bladders. Perkash I, et al. **Radiology** 1984 Jul;152(1):228–9
Rehabilitation aspects of human sexuality. Madorsky JG, et al. **West J Med** 1983 Aug;139(2):174–6
[Current status and future development of the comprehensive rehabilitation of transverse paralyzed patients] Meinecke FW. **Rehabilitation (Stuttg)** 1984 May;23(2):47–50 (Eng. Abstr.) **(Ger)**
[Clinical evaluation of bioelectric stimulation in spinal cord injuries] Karepov GV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):54–5 **(Rus)**

SURGERY

Thoracolumbar injuries. Seljeskog EL. **Clin Neurosurg** 1983; 30:626–41
Acute spinal cord injuries in the Lebanon War, 1982. Ohry A, et al. **Isr J Med Sci** 1984 Apr;20(4):345–9
Basic considerations in spinal cord reconstruction. Kao CC. **J Am Paraplegia Soc** 1982 Jan;5(1):9–12
Early surgical management of acute spinal cord injury. Ransohoff J, et al. **J Am Paraplegia Soc** 1982 Apr;5(2):19–21
Neurological improvement associated with late decompression of the thoracolumbar spinal cord. Maiman DJ, et al. **Neurosurgery** 1984 Mar;14(3):302–7
The needs and unique problems facing spinal cord injured persons after limb amputation. Ohry A, et al. **Paraplegia** 1983 Aug;21(4):260–3
The posterior interspinous fusion in the treatment of quadriplegia. Whitehill R, et al. **Spine** 1983 Oct;8(7):733–40
Comparison of the wedge turning frame and kinetic treatment table in the acute care of spinal cord injury patients. Brackett TO, et al. **Surg Neurol** 1984 Jul;22(1):53–6
The anterior approach and plates in lower cervical posttraumatic lesions. Lesoin F, et al. **Surg Neurol** 1984 Jun;21(6):581–7
[Missile injuries of the spinal cord] Ohry A, et al. **Harefuah** 1983 Aug;105(3–4):80–1 **(Heb)**
[Posterior longitudinal myelotomy as a surgical treatment of acute cervical spinal cord injury] Tachibana S, et al. **No Shinkei Geka** 1984 Feb;12(2):183–8 (Eng. Abstr.) **(Jpn)**
[Stab wounds of the thoracic spinal cord] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):311–4 (Eng. Abstr.) **(Pol)**
[Surgical tactics in injuries of the cervical portion of the spine and spinal cord] Babichenko EI. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):3–8 (Eng. Abstr.) **(Rus)**
[Method of using local hypothermia of the spinal cord in spinalized patients during the postoperative period] Iumashev GS, et al. **Zh Vopr Neirokhir** 1983 Nov–Dec; (6):34–6 (Eng. Abstr.) **(Rus)**

THERAPY

Management of acute spinal cord injuries. Tator CH, et al. **Can J Surg** 1984 May;27(3):289–93, 296
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. **Clin Sports Med** 1982 Nov;1(3):495–514 (75 ref.)
Lower extremity functional neuromuscular stimulation in cases of spinal cord injury. Cybulski GR, et al. **Neurosurgery** 1984 Jul;15(1):132–46 (121 ref.)
Immobilization and reduction of the fractured spine [letter] Sukoff MH. **Neurosurgery** 1983 Oct;13(4):472–3
A comparison of fine–bore suprapubic and an intermittent urethral catheterisation regime after spinal cord injury. Grundy DJ, et al. **Paraplegia** 1983 Aug;21(4):227–32
Suprapubic catheterisation after spinal cord injury: a follow–up report. Peatfield RC, et al. **Paraplegia** 1983 Aug; 21(4):220–6
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. **Primary Care** 1984 Mar;11(1):175–94
Kinetic therapy for spinal cord injury. Green BA, et al. **Spine** 1983 Oct;8(7):722–8
Acute cervical spinal injury [editorial] Bucy PC. **Surg Neurol** 1983 Nov;20(5):427–9
External transcutaneous pacemaker for profound bradycardia associated with spinal cord trauma. Kay MM, et al. **Surg Neurol** 1984 Oct;22(4):344–6
[Complex treatment of patients with spinal cord injuries including specialized dispensary care] Pietruszka M, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):37–40 (Eng. Abstr.) **(Pol)**
[Effect of slime mud applications and sea baths on the state of cellular immunity in patients with traumatic spinal cord diseases] Beliaev AF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):59–60 **(Rus)**

URINE

Formaldehyde generation from methenamine salts in spinal cord injury. Devenport JK, et al. **Arch Phys Med Rehabil** 1984 May;65(5):257–9
Prostaglandin E2 excretion in spinal cord injury patients. Sica DA, et al. **J Am Paraplegia Soc** 1984 Apr;7(2):27–30
Measurement of hydroxylysine glycosides in urine and its application to spinal cord injury. Rodriguez GP, et al. **J Chromatogr** 1984 Jun 8;308:65–73
[Urinary immunoglobulins in spinal cord lesions] Gallego Gómez J, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):269–79 (Eng. Abstr.) **(Spa)**

SPINAL CORD NEOPLASMS

Multiple spinal meningiomas in children. Di Rocco C, et al. **Neurochirurgia (Stuttg)** 1984 Jan;27(1):25–7
[Intraspinal benign tumors. Anatomoclinical considerations on 2 cases] Curteanu G, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Oct–Dec; 32(4):375–81 (Eng. Abstr.) **(Rum)**

ANALYSIS

Steroid receptors in CNS: estradiol(ER) and progesterone(PR) receptors in human spinal cord tumors. Concolino G, et al. **J Steroid Biochem** 1984 Jan;20(1):491–4

COMPLICATIONS

Abetalipoproteinemia and metastatic spinal cord glioblastoma. Newman RP, et al. **Arch Neurol** 1984 May; 41(5):554–6
Knee pain exacerbated by recumbency: an unusual manifestation of spinal cord involvement by diffuse histiocytic lymphoma. Christy WC, et al. **Arthritis Rheum** 1984 Mar;27(3):341–3
Panmedullary ependymoma with multiple cysts complicated by fatty deposits in the proximal spinal cord. Elsenburg PH, et al. **Clin Neurol Neurosurg** 1983;85(4):273–9
The management of the child with a lipomyelomeningocele. Schut L, et al. **Clin Neurosurg** 1983;30:464–76
Rare combination of spinal lesions and spina bifida occulta: case report. Wakai S, et al. **Dev Med Child Neurol** 1984 Feb;26(1):117–21
Nocturnal leg pain that defied year of therapy. Murray BJ. **Hosp Pract** 1983 Dec;18(12):22–6
The behaviour pattern of the scoliosis associated with osteoid osteoma or osteoblastoma of the spine. Ransford AO, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):16–20
In memory of Kevin. Earles LC 3d. **J Natl Med Assoc** 1984 Mar;76(3):229–31
Spinal cord compression by solitary plasmocytoma. Lucantoni D, et al. **J Neurosurg Sci** 1983 Apr–Jun; 27(2):125–7
Normal–pressure hydrocephalus associated with markedly elevated CSF protein [letter] Lusins J, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1151–2
Multiple hemangioblastomas accompanied by syringomyelia in the cerebellum and the spinal cord. Enomoto H, et al. **Surg Neurol** 1984 Aug;22(2):197–203
Spinal neurenteric cyst. Association with vertebral anomalies, diastematomyelia, dorsal fistula, and lipoma. Mann KS, et al. **Surg Neurol** 1984 Apr;21(4):358–62
[A patient with features of the Noonan syndrome and neurofibromatosis] de Planque MM, et al. **Ned Tijdschr Geneeskd** 1983 Sep 10;127(37):1674–8 (Eng. Abstr.) **(Dut)**
[Lumbosacral lipomas with spina bifida. Anatomo–clinical correlations. Therapeutic results] Pierre–Kahn A, et al. **Neurochirurgie** 1983;29(5):359–63 (Eng. Abstr.) **(Fre)**
[Slow spinal cord compression caused by a cervical intradural lipoma] Scherpereel B, et al. **Neurochirurgie** 1984; 30(1):51–4 (Eng. Abstr.) **(Fre)**
[Apparently discal sciatica caused by primary malignant epidural melanoma. Excision and recovery maintained for 5 years (letter)] Paillas JE, et al. **Presse Med** 1984 Jan 28; 13(3):166 **(Fre)**
[Intracranial hypertension and ependymoma of the end of the spinal cord] Labauge R, et al. **Rev Neurol (Paris)** 1984; 140(3):212–6 (Eng. Abstr.) **(Fre)**
[Spinal hemangioblastoma in infants with dysraphic malformation of the CNS] Stern J, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):523–32 (Eng. Abstr.) **(Ger)**
[Necrotizing myelopathy and neoplasms: clinico–pathological report of 2 cases] de Freitas MR, et al. **Arq Neurospiquiatr** 1983 Jun;41(2):182–90 (Eng. Abstr.) **(Por)**
[Kyphoscoliosis in spinal cord tumors] Iumashev GS, et al. **Ortop Travmatol Protez** 1983 Sep;(7):61 **(Rus)**
[Tethered cord syndrome with intradural sacral lipoma in an adult male] Casademont J, et al. **Med Clin (Barc)** 1984 May 12;82(18):811–3 (Eng. Abstr.) **(Spa)**

CONGENITAL

Prenatal intramedullary gliofibroma. A light and electron microscope study. Iglesias JR, et al. **Acta Neuropathol (Berl)** 1984;62(3):230–4

Comparison of high resolution real time ultrasonography and high resolution computed tomography in an infant with spinal dysraphism. James HE, et al. **Neurosurgery** 1983 Sep; 13(3):301–5

Infant survival in the half-delivered state [letter] Fuchs F. **Obstet Gynecol** 1984 Feb;63(2):270

[Diagnostic problems in neoplasms of the cervical spinal cord in infants] Michalowicz R, et al. **Pediatr Pol** 1983 Jul; 58(7):649–54 **(Pol)**

DIAGNOSIS

Intraoperative sonography of intraspinal tumors: initial experience. Knake JE, et al. **AJNR** 1983 Nov–Dec; 4(6):1199–201

Intramedullary spinal cord tumors in children: localization by intraoperative sonography. Raghavendra BN, et al. **AJNR** 1984 Jul–Aug;5(4):395–7

Pain in children with spinal cord tumors. Sun Hahn Y, et al. **Childs Brain** 1984;11(1):36–46

Intraoperative ultrasonic evaluation of spinal cord motion. Jokich PM, et al. **J Neurosurg** 1984 Apr;60(4):707–11

Benign tumors of the foramen magnum. Meyer FB, et al. **J Neurosurg** 1984 Jul;61(1):136–42

Extradural spinal meningiomas. Report of two cases. Milz H, et al. **Neurochirurgia (Stuttg)** 1983 Jul;26(4):126–9

Dumbbell ganglioneuroma of the lumbar spine associated with a herniated intervertebral disc: case report. Oro JJ, et al. **Neurosurgery** 1983 Dec;13(6):711–4

Differentiation of tumor from syringohydromyelia: intraoperative neurosonography of the spinal cord. Hutchins WW, et al. **Radiology** 1984 Apr;151(1):171–4

The use of monoclonal antibodies in the immunohistological diagnosis of cerebral and spinal tumours. Coakham HB, et al. **S Afr J Surg** 1984 Feb–Mar;22(1):13–22

Spinal dysraphia and elongated spinal cord in adults. Lesoin F, et al. **Surg Neurol** 1984 Feb;21(2):119–24

[Pseudotumorous form of a demyelinating lesion in the CNS] Mračeк Z, et al. **Cesk Neurol Neurochir** 1983 Sep; 46(5):316–22 (Eng. Abstr.) **(Cze)**

[Solitary intramedullary neurinomas. Apropos of a case located in the cervical spine] Bouchez B, et al. **LARC Med** 1984 Jan;4(1):26–8 **(Fre)**

[Spinal cord tumors in childhood—experience with 31 patients] Korinthenberg R, et al. **Klin Padiatr** 1984 May–Jun;196(3):150–5 (Eng. Abstr.) **(Ger)**

[EEG findings in tumors of the 4th ventricle and the craniospinal transitional zone] Geikler M. **Zentralbl Neurochir** 1983;44(3):255–6 (Eng. Abstr.) **(Ger)**

[Early diagnosis of tumors of the 4th ventricle and the craniospinal transitional zone] Goldhahn G. **Zentralbl Neurochir** 1983;44(3):241–3 (Eng. Abstr.) **(Ger)**

[Compression syndrome in circulatory disorders of the spinal cord] Iumashev GS, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):26–8 (Eng. Abstr.) **(Rus)**

[Remitting course of tumors of the spinal cord] Okladnikov GI. **Zh Nevropatol Psikhiatr** 1984;84(5):660–3 (Eng. Abstr.) **(Rus)**

[Clinical picture and diagnosis of systemic angioreticulomatosis] Shatunovskii NE, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):12–7 (Eng. Abstr.) **(Rus)**

[Imaging magnetic resonance. Current level and future perspectives] Bergström K, et al. **Lakartidningen** 1984 Jul 11;81(28–29):2683–7 **(Swe)**

DRUG THERAPY

Reduction in central nervous system leukemia with a pharmacokinetically derived intrathecal methotrexate dosage regimen. Bleyer WA, et al. **J Clin Oncol** 1983 May; 1(5):317–25

Chemotherapy as an alternative to laminectomy and radiation in the management of epidural tumor. Hayes FA, et al. **J Pediatr** 1984 Feb;104(2):221–4

[Treatment and prognosis of nervous system lesions in lymphosarcoma] Kruglova GV, et al. **Ter Arkh** 1983; 55(8):36–40 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Multiple intraspinal and intracranial epidermoids and lipomata following gunshot injury. Smith CM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):235–9

FAMILIAL & GENETIC

Turcot syndrome: a case with spinal cord and colonic neoplasms. Radin DR, et al. **AJR** 1984 Mar;142(3):475–6

[Neurocutaneous syndromes and tumors of the central nervous system] Takakura K, et al. **No To Shinkei** 1984 Jan;36(1):36–48 (125 ref.) **(Jpn)**

METABOLISM

Cl– transport in a glioma cell line: evidence for two transport mechanisms. Wolpaw EW, et al. **Brain Res** 1984 Apr 16; 297(2):317–27

MORTALITY

Ependymomas: a clinical and pathologic study. Part II. Survival features. Ilgren EB, et al. **Clin Neuropathol** 1984 May–Jun;3(3):122–7

OCCURRENCE

Epidemiology of central nervous system neoplasms. A regional survey in Central Finland. Fogelholm R, et al. **Acta Neurol Scand** 1984 Mar;69(3):129–36

Tumors of the central nervous system in adolescents. Farwell J, et al. **Am Fam Physician** 1984 Apr;29(4):133–9

Primary neoplasms of the central nervous system in Trinidad. Raju GC, et al. **Trop Geogr Med** 1984 Jun;36(2):189–91

PATHOLOGY

Multicentric gliomas of brain and spinal cord. Reichenthal E, et al. **Acta Neurochir (Wien)** 1983;69(3–4):225–30

Intramedullary spinal cord metastasis. Pathologic findings in five autopsy cases. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):214–8

Neoplastic angioendotheliosis of the spinal cord. Case report. Ojeda VJ. **Acta Neuropathol (Berl)** 1983;62(1–2):164–6

Picture of the month. Lipomeningocele. Feingold M. **Am J Dis Child** 1984 Jan;138(1):89–90

Neuroblastoma spinal cord compression (review). Helson L. **Anticancer Res** 1983 Sep–Oct;3(5):317–22

Ependymomas: a clinical and pathologic study. Part I. Biologic features. Ilgren EB, et al. **Clin Neuropathol** 1984 May–Jun;3(3):113–21

Neoplastic angioendotheliosis of the central nervous system. Sunohara N, et al. **J Neurol** 1984;231(1):14–9

Neurocutaneous melanosis with extensive intracerebral and spinal cord involvement. Report of two cases. Faillace WJ, et al. **J Neurosurg** 1984 Oct;61(4):782–5

Primary lymphoma of the central nervous system. Clinicopathological study of experience at Stanford. Helle TL, et al. **J Neurosurg** 1984 Jan;60(1):94–103

Combined paraganglioma and glioma of conus medullaris and cauda equina. Shuangshoti S, et al. **J Surg Oncol** 1984 Mar; 25(3):162–7

Spinal cord tumors induced by N-ethyl-N-nitrosourea in rats: presence of spinal subpial target cells. Naito M, et al. **JNCI** 1984 Mar;72(3):715–24

Primary dural melanomas: report of two cases and review of the literature. Ozden B, et al. **Neurosurgery** 1984 Jul; 15(1):104–7

Asymptomatic leptomeningeal dissemination of tumor to the spinal cord: report of three cases. Tomita T. **Neurosurgery** 1984 Mar;14(3):323–7

Extradural–mediastinal meningioma in a child. Case report. Oganesjan SS, et al. **Zentralbl Neurochir** 1984;45(1):85–9

[Spinal tumors: anatomo-clinical considerations on 197 cases, with special reference to site and to longitudinal localization] Boccardo M, et al. **Pathologica** 1983 Sep–Oct; 75(1039):711–24 (Eng. Abstr.) **(Ita)**

[Spinal sub-pial schwannoma. Case report] Houkin K, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):370–4 (Eng. Abstr.) **(Jpn)**

[Intramedullary holocord tumor. Report of an autopsy case and review of literature] Nikaido Y, et al. **No Shinkei Geka** 1984 Mar;12(4):523–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Spinal tumors in children. Guthkelch AN. **Dev Med Child Neurol** 1983 Dec;25(6):801–3

Intramedullary canine spinal cord tumor model. Salcman M, et al. **J Neurosurg** 1984 Oct;61(4):761–6

PREVENTION & CONTROL

Failed central nervous system prophylaxis in children with acute lymphoblastic leukaemia: treatment and outcome. Pinkerton CR, et al. **Br J Haematol** 1984 Aug;57(4):553–61

RADIOGRAPHY

Complete delineation of an obstructing spinal mass in myelography through the lumbar route. Vencken LM, et al. **Diagn Imag Clin Med** 1984;53(4):203–7

Computer tomographic evaluation of cervical astrocytoma. Nahser HC, et al. **Eur Neurol** 1983;22(6):447–50

Intramedullary spinal cord tumours presenting as scoliosis. Citron N, et al. **J Bone Joint Surg [Br]** 1984 Aug; 66(4):513–7

Anterior sacral meningocele with an unusual presentation. Case report. Quigley MR, et al. **J Neurosurg** 1984 Oct; 61(4):790–2

Value of computed tomographic myelography in neurofibromatosis. Angtuaco EJ, et al. **Neurosurgery** 1983 Dec;13(6):666–71

Intramedullary cystic teratoid tumor of the cervical spinal cord in association with a teratoma of the ovary. Cybulski GR, et al. **Surg Neurol** 1984 Sep;22(3):267–72

[How reliable is the diagnosis of spinal angiomas in the myelogram?] Thron A, et al. **Radiologe** 1983 Oct; 23(10):451–8 (Eng. Abstr.) **(Ger)**

[Intravenous digital subtraction angiography in the detection of spinal angiomas] Becker H, et al. **ROFO** 1984 Jun; 140(6):686–9 (Eng. Abstr.) **(Ger)**

[Tumors of the 4th ventricle and the craniospinal transitional zone in the computer tomogram] Dietrich J, et al. **Zentralbl Neurochir** 1983;44(3):257–60 (Eng. Abstr.) **(Ger)**

[Clinical and angiographic aspects of medullary angiomas] Cusmano F, et al. **Radiol Med (Torino)** 1983 Nov; 69(11):863–9 (Eng. Abstr.) **(Ita)**

[Diagnostic value of CT in spinal cord neurinomas] Koyama T, et al. **No Shinkei Geka** 1983 Aug;11(8):845–54 (Eng. Abstr.) **(Jpn)**

[Computed tomography of spinal lumbosacral lipoma in children] Tsumura M, et al. **Rinsho Hoshasen** 1983 Dec; 28(13):1569–73 (Eng. Abstr.) **(Jpn)**

[Roentgenodiagnosis of spinal cord tumors] Kamalov II. **Sov Med** 1983;(7):89–91 **(Rus)**

[Contrast study of the epidural space] Sipukhin IaM, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):25–30 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Alveolar soft part sarcoma following radiotherapy for a spinal hemangioma. A case report. Wang S, et al. **Cancer** 1984 Jun 15;53(12):2655–60

The treatment of ependymoma of the brain or spinal canal by radiotherapy: a report of 79 cases. Read G. **Clin Radiol** 1984 Mar;35(2):163–6

The dosimetry of a single 'hockey stick' portal for treatment of tumors of the cranio-spinal axis. Glasgow GP, et al. **Med Phys** 1983 Sep–Oct;10(5):672–5

[Radiotherapy of primary and secondary spinal tumors] Bernasconi V, et al. **Minerva Med** 1984 May 31; 75(22–23):1359–63 (Eng. Abstr.) **(Ita)**

[Radiotherapy of CNS lymphoma] Imai Y, et al. **Rinsho Hoshasen** 1983 Aug;28(8):877–81 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Rehabilitative treatment of patients with primary and secondary spinal cord neoplasms] Ruju A, et al. **Minerva Med** 1984 May 31;75(22–23):1365–7 (Eng. Abstr.) **(Ita)**

SECONDARY

Intramedullary spinal cord metastasis. Pathologic findings in five autopsy cases. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):214–8

Percutaneous biopsy of a metastatic spinal nerve root nodule in a child. Stanley P, et al. **AJNR** 1984 Jul–Aug;5(4):427–8

Myelography and cytology for staging very young children with medulloblastoma. Deutsch M. **Am J Clin Oncol** 1983 Dec;6(6):657–60

Malignant cutaneous mixed tumor [letter] Devine P, et al. **Arch Dermatol** 1984 May;120(5):576–7

Central nervous system metastasis from breast carcinoma. Autopsy study. Tsukada Y, et al. **Cancer** 1983 Dec 15; 52(12):2349–54

Massive hemorrhagic necrosis of the spinal cord in metastatic cord compression. Pittaluga S, et al. **Clin Neuropathol** 1983; 2(3):114–7

Spinal cord metastasis in small cell carcinoma of the lung. Holoye P, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar; 10(3):349–56

Intramedullary spinal cord metastases from small cell carcinoma of the lung. Murphy KC, et al. **J Clin Oncol** 1983 Feb;1(2):99–106

Upward spinal coning: impaction of occult spinal tumours following relief of hydrocephalus. Jooma R, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):386–90

Intramedullary spinal cord metastases. Tanghetti B, et al. **J Neurosurg Sci** 1983 Apr–Jun;27(2):117–24

Intraspinal metastasis of neuroblastoma—report of a case detected at autopsy. Sawada T, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):719–26

Spinal subarachnoid seeding from glioblastoma multiforme of the brain stem—report of three autopsy cases. Nishio S, et al. **Neurol Med Chir (Tokyo)** 1983 Jul;23(7):566–70

[Myelographic diagnosis of radiculomeningeal metastases of carcinomas. Apropos of 10 cases] Cauquil P, et al. **J Radiol** 1983 Nov;64(11):607–13 (Eng. Abstr.) **(Fre)**

[Intradural spinal metastasis by visceral cancers. Apropos of 4 cases] Mercier P, et al. **Neurochirurgie** 1984;30(3):177–81 (Eng. Abstr.) **(Fre)**

[Two autopsy cases of intramedullary spinal cord metastasis] Gose K, et al. **Gan No Rinsho** 1984 Mar;30(3):319–23 (Eng. Abstr.) **(Jpn)**

[Treatment and prognosis of primary intracranial germ cell tumors. With special reference to local recurrence and spinal metastasis] Aida T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):447–55 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological features of intracranial germ cell tumors with dissemination or metastasis in childhood] Tajika Y, et al. **No Shinkei Geka** 1984 Feb;12(2):161–8 (Eng. Abstr.) **(Jpn)**

[Successful treatment of metastases into the spinal canal in a patient with malignant melanoma] Pawlicki M, et al. **Nowotwory** 1983 Jul–Sep;33(3):267–70 (Eng. Abstr.) **(Pol)**

SURGERY

Intramedullary spinal gliomas: long-term results of surgical treatments. Alvisi C, et al. **Acta Neurochir (Wien)** 1984; 70(3–4):169–79

Combined approach to 'dumbbell' intrathoracic and intraspinal neurogenic tumors. Grillo HC, et al. **Ann Thorac Surg** 1983 Oct;36(4):402–7

Argon laser surgery of pediatric neural neoplasms. Edwards

MS, et al. **Childs Brain** 1984;11(3):171–5
Intramedullary spinal cord tumors. Stein BM. **Clin Neurosurg** 1983;30:717–41
Adverse effects of the management of malignant spinal cord compression. Findlay GF. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):761–8
Intramedullary spinal schwannoma [letter] Kang JK, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1154–5
Anterior cord decompression and spinal stabilization for patients with metastatic lesions of the spine. Harrington KD. **J Neurosurg** 1984 Jul;61(1):107–17
Ultrasonic device wins neurosurgeon praise [news] Goldsmith MF. **JAMA** 1983 Dec 23–30;250(24):3270
Orbital, sphenoidal ridge and spinal meningiomas occurring in one patient. Arseni C, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):86–8
Intramedullary subependymoma of the cervical spinal cord: case report. Salcman M, et al. **Neurosurgery** 1984 May; 14(5):608–11
[Dorsal extradural hourglass lipoma in children] Adam Y, et al. **Chir Pediatr** 1984;25(1):32–6 (Eng. Abstr.) **(Fre)**
[Use of the Nd–YAG laser in the treatment of tumors in the area of the craniocervical transition] Beck OJ. **Fortschr Med** 1984 Jan 19;102(3):41–4 (Eng. Abstr.) **(Ger)**
[Tumors of the 4th ventricle and the craniospinal transitional zone. Review of patients of the Neurosurgical Clinic of the Department of Medicine of the Karl Marx University] Niebeling HG, et al. **Zentralbl Neurochir** 1983;44(3):229–34 (Eng. Abstr.) **(Ger)**
[Special problems in the diagnosis and therapy of craniospinal tumors] Skrzypczak J, et al. **Zentralbl Neurochir** 1983; 44(3):251–4 (Eng. Abstr.) **(Ger)**
[Sacrococcygeal chordoma based on follow-up studies of 4 surgically treated patients] Köves I, et al. **Orv Hetil** 1983 Sep 18;124(38):2303–8 (Eng. Abstr.) **(Hun)**
[Surgery of primary and secondary spinal tumors] Migliavacca F. **Minerva Med** 1984 May 31; 75(22–23):1355–7 (Eng. Abstr.) **(Ita)**
[Clinical anatomy and technique for operation of spinal tumors] Koyama T. **No Shinkei Geka** 1984 Mar;12(4):433–9 **(Jpn)**

THERAPY

Chordoma: results of treatment. Chetiyawardana AD. **Clin Radiol** 1984 Mar;35(2):159–61
Somatosensory evoked potentials during spinal angiography and therapeutic transvascular embolization. Berenstein A, et al. **J Neurosurg** 1984 Apr;60(4):777–85
Use of the argon surgical laser in neurosurgery. Powers SK, et al. **J Neurosurg** 1984 Mar;60(3):523–30
Management of metastatic epidural disease in children [editorial] Allen JC. **J Pediatr** 1984 Feb;104(2):241–2
Treatment of spinal cord compression: a retrospective analysis. Loeffler JS, et al. **Med Pediatr Oncol** 1983; 11(5):347–51
Catheter embolization in the central nervous system and the gastrointestinal tract. Schumacher FW, et al. **Recent Results Cancer Res** 1983;86:41–3
[Intramedullary astrocytoma and ependymoma in the adult. Do therapeutic tactics influence the long-term results? Evaluation of 23 surgically treated cases and discussion of the literature] Roux FX, et al. **Neurochirurgie** 1984; 30(2):99–105 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Malignant lymphomas and leukemias of the central nervous system] Jellinger K. **Verh Dtsch Ges Pathol** 1983;67:556–73 (Eng. Abstr.) **(Ger)**

VETERINARY

Lymphosarcoma as the cause of ataxia in a horse. Shamis LD, et al. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1517–8

SPINAL CORD SYPHILIS see **TABES DORSALIS**

SPINAL DISEASES

Actinomycosis of the spine: two case reports. David CV, et al. **Med J Malaysia** 1983 Jun;38(2):161–3
[Lesions and diseases of the spine] Eufinger H. **MMW** 1983 Nov 18;125(46):122, 124, 126 **(Ger)**
[Heterotopic ossifications of the cervical region] Prioli L, et al. **Chir Organi Mov** 1982–83;68(1):91–3 (Eng. Abstr.) **(Ita)**
[Vertebral diseases from the viewpoint of the orthopedist] Huraj E Sr. **Acta Chir Orthop Traumatol Cech** 1984 Jun; 51(3):196–203 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Vertebral abnormalities associated with synthetic retinoid use. Gerber LH, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):817–23
Severe local tissue lesions after chemonucleolysis with collagenase. Brock M, et al. **Surg Neurol** 1984 Aug; 22(2):124–31
Editorial comments on Brock's paper. Brown MD. **Surg Neurol** 1984 Aug;22(2):132–3

CLASSIFICATION

[Sagittal deviations of the spine, and trial of classification as a function of the pelvic balance] Vidal J, et al. **Rev Chir Orthop** 1984;70 Suppl 2:124–6 **(Fre)**

COMPLICATIONS

Pathology of spinal cord lesions caused by ossification of the posterior longitudinal ligament. Hashizume Y, et al. **Acta Neuropathol (Berl)** 1984;63(2):123–30
An unusual rectal fistula: extradural abscess discharging per rectum. Jamison MH, et al. **Br J Surg** 1984 Aug;71(8):651–2
Headaches and the cervical spine [editorial] Bogduk N. **Cephalalgia** 1984 Mar;4(1):7–8
Progressive vertebral collapse in diffuse angiomatosis. Young JW, et al. **Metab Bone Dis Relat Res** 1983–84;5(2):53–60
Occipital neuralgia and C1–C2 arthrosis [letter] Ehni G, et al. **N Engl J Med** 1984 Jan 12;310(2):127
Spinal cord compression secondary to Gaucher's disease. Markin RS, et al. **Surg Neurol** 1984 Apr;21(4):341–6
Discitis as a cause of abdominal pain in children. Leahy AL, et al. **Surgery** 1984 Apr;95(4):412–4
[Spondylosis hyperostotica (Forestier's disease) – differential diagnosis of dysphagia] Hartwein J, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jan;63(1):25–26 (Eng. Abstr.) **(Ger)**
[Clinical studies of ankylosing hyperostosis of the spine in spinal cord injured patients: heterotopic ossification and initial findings] Sugi M. **Nippon Geka Hokan** 1983 Jan 1; 52(1):98–111 (Eng. Abstr.) **(Jpn)**
[Neurophysiological mechanisms of the painful radicular syndrome] Vashchenko EA, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):146–50 (Eng. Abstr.) **(Rus)**
[Treatment of pain in patients with ischemic heart disease and osteochondrosis of the cervicothoracic vertebrae] Grigor'ev PS, et al. **Kardiologiia** 1983 Oct;23(10):72–6 (Eng. Abstr.) **(Rus)**
[Vascular and visceral disorders in intervertebral osteochondrosis] Ivanova LA, et al. **Voen Med Zh** 1984 Jul;(7):48–50 **(Rus)**
[Infectious spondylitis and paravertebral abscess in a heroin addict patient (letter)] Segura F, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):186 **(Spa)**

CONGENITAL

Dorsal herniation of the gut with posterior opening of the terminal colon: a rare manifestation of the split notochord syndrome. Kheradpir MH, et al. **Z Kinderchir** 1983 Jun; 38(3):186–7

DIAGNOSIS

NMR imaging of the spine. Han JS, et al. **AJR** 1983 Dec; 141(6):1137–45
Magnetic resonance imaging of the spinal cord and canal: potentials and limitations. Norman D, et al. **AJR** 1983 Dec; 141(6):1147–52
Juvenile discitis. Hensey OJ, et al. **Arch Dis Child** 1983 Dec; 58(12):983–7
Nuclear magnetic resonance of the spine. Modic MT, et al. **Br Med Bull** 1984 Apr;40(2):183–6
Spinal epidural abscess: a case report. Cooper K. **Del Med J** 1984 Jun;56(6):343–8
Discitis—the irritable back of childhood. O'Brien TM, et al. **Ir J Med Sci** 1983 Nov;152(11):404–8
Spinal epidural abscess caused by streptococcus MG intermedius with complicating leptomeningitis: report of case. Pawlak A, et al. **J Am Osteopath Assoc** 1984 Apr; 83(8):589–92
Diagnostic palpation of the spine: a review of procedures and assessment of their reliability. Russell R. **J Manipulative Physiol Ther** 1983 Dec;6(4):181–3
Spinal blastomycosis—case report [letter] Krarup C, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):217–8
Intradiscal pressure–volume response: a methodological contribution to chemonucleolysis. Preliminary results. Brock M, et al. **J Neurosurg** 1984 May;60(5):1029–32
Spinal arachnoid cyst with unusual presentation. Case report. Spiegelmann R, et al. **J Neurosurg** 1984 Mar;60(3):613–6
Is rigid spine syndrome a distinct clinical entity? [letter] Vita G, et al. **Muscle Nerve** 1983 Jul–Aug;6(6):458–60
[Calcification of the intervertebral disk in children] Peleška L. **Acta Chir Orthop Traumatol Cech** 1983 Aug; 50(4):359–62 (Eng. Abstr.) **(Cze)**
[A new concept of Forestiere's disease—senile ankylosing hyperostosis of the spine] Navrátil J, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):98–105 (Eng. Abstr.) **(Cze)**
[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Insurance medicine aspects: estimation of risk] Luken JN. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1383 **(Dut)**
[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Insurance medicine aspects in the evaluation of work capacity] Vermeer JP. **Ned Tijdschr Geneeskd** 1983 Jul 30; 127(31):1383–5 **(Dut)**
[Rigid spine syndrome and its nosological borders. 2 cases] Serratrice G, et al. **Presse Med** 1984 Apr 28;13(18):1129–32 (Eng. Abstr.) **(Fre)**
[Clarification of vertebrogenic backache. X-ray, myelography, cerebrospinal fluid examination, computer tomography] Mohsenipour I, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1719–23 **(Ger)**
[Conditions , which, during a clinical examination appear falsely located at the level of irritation of the spinal roots in the area of the spinal canal (letter)] Smereczyński A, et al. **Pol Tyg Lek** 1983 Dec 5;38(49):1553–4 **(Pol)**
[Symptoms of osteochondrosis] Popelianskiĭ IaIu. **Klin Med (Mosk)** 1983 Sep;61(9):142–7 (14 ref.) (Eng. Abstr.) **(Rus)**
[Device for measuring rotatory movements of different divisions of the spine] Savchenko VK. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):52–3 **(Rus)**
[Spinal endoscopy in the diagnosis of diseases of the spinal cord] Neretin VIa, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):23–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of osteoarthrosis of the spine: a comparison of flurbiprofen and diclofenac. Famaey JP, et al. **J Int Med Res** 1983;11(4):212–7
Complications following chemonucleolysis with collagenase. Artigas J, et al. **J Neurosurg** 1984 Oct;61(4):679–85
Late results of treatment of intervertebral disc disease with chymopapain. Parkinson D. **J Neurosurg** 1983 Dec; 59(6):990–3
Use of chymopapain in children [letter] Watts C. **J Neurosurg** 1983 Dec;59(6):1108
Cervical intradiskal injection of aprotinin. Technical note and preliminary report. Lesoin F, et al. **Surg Neurol** 1984 Jun; 21(6):539–42
Chymopapain. A review and comment. Sugar O. **Surg Neurol** 1983 Dec;20(6):440–2

ETIOLOGY

Risk factors for spinal osteoporosis in men. Seeman E, et al. **Am J Med** 1983 Dec;75(6):977–83
Epidural abscess following multiple spinal anaesthetics. Beaudoin MG, et al. **Anaesth Intensive Care** 1984 May; 12(2):163–4
Fatal intracranial extension of spinal hemorrhage after lumbar puncture. Walsh MN, et al. **Arch Neurol** 1984 Sep; 41(9):987–9
Destructive spondylarthropathy in hemodialyzed patients. A new syndrome. Kuntz D, et al. **Arthritis Rheum** 1984 Apr; 27(4):369–75
Vertebral involvement in childhood acute lymphoblastic leukemia. Nadkarni KS, et al. **Indian J Pediatr** 1984 Jan–Feb;51(408):103–7
Characteristics of acute lymphoblastic leukemia in children with osteopenia and vertebral compression fractures. Blatt J, et al. **J Pediatr** 1984 Aug;105(2):280–2
Epidural abscess complicating Swenson procedure: a case report and a review of the literature. Watters DA, et al. **J Pediatr Surg** 1984 Apr;19(2):218–20
Septic discitis presenting as a psoas abscess. Short DJ, et al. **J R Soc Med** 1983 Dec;76(12):1066–8
Acute sacral epidural abscess following local anaesthetic injection. Rustin MH, et al. **Postgrad Med J** 1983 Jun; 59(692):399–400
Fine needle diagnosis in lumbar osteomyelitis. Joshi KB, et al. **Skeletal Radiol** 1983;10(3):173–5
Congenital kyphosis and subluxation of the thoraco-lumbar spine due to vertebral aplasia. Lorenzo RL, et al. **Skeletal Radiol** 1983;10(4):255–7
The torsional injury of the lumbar spine. Farfan HF. **Spine** 1984 Jan–Feb;9(1):53
[Vertebra plana: report of 8 cases] Chu DY. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):488–9 **(Chi)**
[Vertebrogenic syndromes in children and their association with injuries] Nikolaidu L, et al. **Cesk Pediatr** 1983 Oct; 38(10):601–2 (Eng. Abstr.) **(Cze)**
[Traumatic osteoma of the psoas muscle with disorders of spinal dynamics treated by surgical ablation] Kénési C, et al. **Chirurgie** 1984;110(2):123–6 (Eng. Abstr.) **(Fre)**
[Extradural spinal hematoma without traumatic bone lesion. Apropos of 9 cases] Combelles G, et al. **Neurochirurgie** 1983;29(6):417–22 (Eng. Abstr.) **(Fre)**
[Ankylosing spondylarthritis. Pathogenesis of the destructive disco-vertebral lesions. 15 cases] Fonteille J, et al. **Presse Med** 1984 Jan 14;13(1):15–8 (Eng. Abstr.) **(Fre)**
[Involvement of the cervical spine in chronic juvenile arthritis. 29 cases followed for more than 5 years] Sallière D, et al. **Sem Hop Paris** 1984 Jan 19;60(2):97–101 (Eng. Abstr.) **(Fre)**
[Attrition of the spinal column in agricultural technicians—results of a cross-sectional study] Jürgens WW, et al. **Z Arztl Fortbild (Jena)** 1984;78(13):537–41 **(Ger)**
[Bad work posture and the pathology of the locomotor system] Colombini D, et al. **Med Lav** 1983 May–Jun; 74(3):198–210 (Eng. Abstr.) **(Ita)**
[Radiculomyelopathy due to calcification of the cervical ligamenta flava—report of 2 cases and a review of literature] Nakajima K, et al. **No To Shinkei** 1983 Jan; 35(1):83–90 (Eng. Abstr.) **(Jpn)**
[Anomalies of articular tropism and spinal osteochondrosis in flight personnel] Poletaev RV. **Voen Med Zh** 1984 Jun; (6):44–6 **(Rus)**
[Spinal hematoma as a complication of lumbar puncture with subsequent heparin treatment] Samuelsson K.

Lakartidningen 1984 Jun 27;81(26-27):2585 **(Swe)**

FAMILIAL & GENETIC

HLA antigens in acute anterior uveitis and spondyloarthropathies in Asian Indians and their comparison with American whites and blacks. Mehra NK, et al. **J Rheumatol** 1983 Dec;10(6):981-4

Ankylosing spondylitis and allied disorders (spondyloarthropathies). Friis J. **Scand J Rheumatol [Suppl]** 1984;53:16-30 (41 ref.)

[Characteristics of phenotypic polymorphism in osteochondrosis of the spine] Shmidt IR, et al. **Revmatologiia (Moskva)** 1983 Oct-Dec;(4):34-7 (Eng. Abstr.) **(Rus)**

HISTORY

Cervical disc surgery--a historical review. Rainer JK. **J Tenn Med Assoc** 1984 Jan;77(1):12-6

MICROBIOLOGY

Vertebral osteomyelitis due to coccobacilli of the HB group. Farrington M, et al. **Br Med J [Clin Res]** 1983 Dec 3; 287(6406):1658-60

Pseudomonas vertebral osteomyelitis following open heart surgery: case report. Williams MR, et al. **Tex Med** 1984 Jan;80(1):47-9

OCCURRENCE

Ankylosing hyperostosis in American blacks: a longitudinal study. Jumshyd A, et al. **Clin Rheumatol** 1983 Jun; 2(2):123-6

PATHOLOGY

Vertebral rim lesions in dorsolumbar spine [letter] Vernon-Roberts B. **Ann Rheum Dis** 1984 Aug;43(4):662

Localized pigmented villonodular synovitis of the vertebral column. Pulitzer DR, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):228-30

Hyperostosis and ossification in the cervical spine. Resnick D. **Arthritis Rheum** 1984 May;27(5):564-9

Rigid spine syndrome. Some evidence of varying pathological patterns. Pavone L, et al. **Helv Paediatr Acta** 1983 Oct;38(4):367-72

Ultrastructure of early calcification in cervical ossification of the posterior longitudinal ligament. Kubota T, et al. **J Neurosurg** 1984 Jul;61(1):131-5

Morphological alterations of the degenerated lumbar disc following chemonucleolysis with chymopapain. Roggendorf W, et al. **J Neurosurg** 1984 Mar;60(3):518-22

Vertebral ankylosing hyperostosis: what new bone, where and why? [editorial] François RJ. **J Rheumatol** 1983 Dec; 10(6):837-40

The vertebral canals in lumbar disc disease. Winston K, et al. **Spine** 1984 May-Jun;9(4):414-7

[Chronic progressive radiation myelopathy] Rešl M, et al. **Cesk Patol** 1983 Nov;19(4):222-7 (Eng. Abstr.) **(Cze)**

[Percutaneous spinal and sacroiliac biopsies for diagnostic purposes] Foure X, et al. **J Radiol** 1983 Oct;64(10):551-6 (Eng. Abstr.) **(Fre)**

[Lumbosacral spinal epidural cysts. Considerations on a clinical case] Grizzi LC, et al. **Riv Neurol** 1983 Sep-Oct; 53(5):300-5 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Orthopedic aspects] Veraart BE. **Ned Tijdschr Geneeskd** 1983 Jul 30; 127(31):1378-81 **(Dut)**

[Spinal instability] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1984 Mar;(3):1-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT of osteomyelitis of the spine. Golimbu C, et al. **AJR** 1984 Jan;142(1):159-63

Gas in a lumbar extradural juxtaarticular cyst: sign of synovial origin. Schulz EE, et al. **AJR** 1984 Oct; 143(4):875-6

Intravenous contrast-enhanced CT of the postoperative lumbar spine: improved identification of recurrent disk herniation, scar, arachnoiditis, and diskitis. Teplick JG, et al. **AJR** 1984 Oct;143(4):845-55

Lumbar disk diagnosis [editorial] Stein B. **Arch Neurol** 1984 Jun;41(6):593

Techniques of Metrizamide myelography. McCormick CC, et al. **Australas Radiol** 1983 Jul;27(2):119-31

The thoracic paraspinal shadow: a review of the appearances in pathological conditions. Lien HH, et al. **Clin Radiol** 1984 May;35(3):215-21

Myelography--a case for audit. Thurtle OA, et al. **Clin Rheumatol** 1983 Mar;2(1):57-60

Computed tomography of the lumbar spine: techniques, normal anatomy, pitfalls, and clinical applications. Dorwart RH. **CRC Crit Rev Diagn Imaging** 1984;22(1):1-42 (69 ref.)

Inability to prove instability. A critical appraisal of clinical-radiological flexion-extension studies in lumbar disc degeneration. Penning L, et al. **Diagn Imag Clin Med** 1984;53(4):186-92

Validity in diagnosing osteoporosis. Observer variation in interpreting spinal radiographs. Jensen GF, et al. **Eur J Radiol** 1984 Feb;4(1):1-3

Peripheral and axial measurements of trabecular bone density in patients suspected of idiopathic vertebral osteoporosis. Bydder GM, et al. **J Comput Tomogr** 1983 Nov;7(4):357-61

Static and dynamic roentgenology in the diagnosis of degenerative disc disease. Cassidy JD. **J Manipulative Physiol Ther** 1983 Jun;6(2):90-1

The radiographic evaluation of infections of the spine. Byrd SE, et al. **J Natl Med Assoc** 1983 Oct;75(10):969-77

Intradural extramedullary tuberculoma of the cervical spine. Case report. Compton JS, et al. **J Neurosurg** 1984 Jan; 60(1):200-3

CT characteristics of sacral perineural cysts. Report of two cases. Siqueira EB, et al. **J Neurosurg** 1984 Sep;61(3):596-8

Spinal entheseal new bone formation: the early changes of spinal diffuse idiopathic skeletal hyperostosis. Fornasier VL, et al. **J Rheumatol** 1983 Dec;10(6):939-47

CT scanning of the lumbar spine [letter] **Med J Aust** 1984 Mar 17;140(6):383-4

Sacrolithiasis. A case report. Maas AI, et al. **Neuroradiology** 1984;26(2):141-3

The cervicothoracic junction on chest radiograph. Jones MD, et al. **Radiol Clin North Am** 1984 Sep;22(3):487-96 (20 ref.)

Vertebral involvement in calcium pyrophosphate dihydrate crystal deposition disease. Radiographic-pathological correlation. Resnick D, et al. **Radiology** 1984 Oct; 153(1):55-60

Computed tomography of the spine: curved coronal reformations from serial images. Rothman SL, et al. **Radiology** 1984 Jan;150(1):185-90

CT in the evaluation of spine infection. Brant-Zawadzki M, et al. **Spine** 1983 May-Jun;8(4):358-64

The use of in vivo lumbar discography to assess the clinical significance of the position of the intercrestal line. Quinnell RC, et al. **Spine** 1983 Apr;8(3):305-7

A comparative analysis of x-ray findings of the lumbar spine in patients with and without lumbar pain. Witt I, et al. **Spine** 1984 Apr;9(3):298-300

[Roentgenologic features of the straight back syndrome] Liao ZX. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May; 17(2):120-2 (Eng. Abstr.) **(Chi)**

[Diagnosis of lumbar disc lesions by lumbosacral-radiculography with water soluble contrast media] Zhang FC. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov; 17(4):257-60 (Eng. Abstr.) **(Chi)**

[Degenerative changes in the spine in leading athletes] Blažek O, et al. **Cesk Radiol** 1983 Nov;37(6):383-8 (Eng. Abstr.) **(Cze)**

[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Radiodiagnostic aspects] Sanders HW. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1374-7 **(Dut)**

[What additional information can be expected from x-ray studies following an autopsy?] Saternus KS, et al. **Beitr Gerichtl Med** 1983;41:333-8 (Eng. Abstr.) **(Ger)**

[Computer tomographic findings in sacral destruction] Heller M, et al. **Computertomographie** 1981 Jun;1(2):74-9 (Eng. Abstr.) **(Ger)**

[New possibilities of radiologic diagnostic methods for diseases of the spinal column using spinal computer tomography] Fenzl G, et al. **Digitale Bilddiagn** 1984 Jun; 4(2):79-85 (Eng. Abstr.) **(Ger)**

[Computer tomography of the spine] Nedden DZ. **Orthopade** 1984 Apr;13(2):169-81 **(Ger)**

[Computed tomography in orthopedic radiology] Fuchs WA. **Radiologe** 1984 May;24(5):201-4 (26 ref.) (Eng. Abstr.) **(Ger)**

[Intervertebral disk calcification in children] Hörmann D. **Radiologe** 1984 Feb;24(2):82-7 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis of intervertebral disk calcification in children] Klaus E, et al. **ROFO** 1984 Feb;140(2):200-3 (Eng. Abstr.) **(Ger)**

[Comparative radiologic and pathologic-anatomic studies on the value of discography in the diagnosis of acute intravertebral disk injuries in the cervical spine] Saternus KS, et al. **ROFO** 1983 Dec;139(6):651-7 (Eng. Abstr.) **(Ger)**

[Conventional tomography in diseases of the spine--technic, clinical evaluation and indication] Arlart IP. **Rontgenblatter** 1983 Nov;36(11):388-96 (Eng. Abstr.) **(Ger)**

[High resolution computer tomography of the lumbar spine] Kurtz B, et al. **Rontgenpraxis** 1984 Jan;37(1):1-7 **(Ger)**

[Reproducibility of x-rays of the spinal column while standing] Bernau A. **Z Orthop** 1984 Mar-Apr;122(2):150-1 (Eng. Abstr.) **(Ger)**

[Usefulness of radiculography in the differential diagnosis of disease syndromes in the lower segment of the vertebral canal in children] Ciesielski T, et al. **Neurol Neurochir Pol** 1983 May-Jun;17(3):335-42 (Eng. Abstr.) **(Pol)**

[Radiographic evaluation of skeletal changes in metaphyseal and vertebro-metaphyseal osteochondrodysplasias] Winkielman J. **Pol Przegl Radiol (Warszawa)** 1983 Mar-Apr;47(2):109-13 (Eng. Abstr.) **(Pol)**

[Spinal osteomyelitis] Iokai I, et al. **Ortop Travmatol Protez** 1983 Sep;(7):59 **(Rus)**

RADIONUCLIDE IMAGING

Focal marrow replacement in intervertebral disc space infection. Demonstrated by Tc-99m sulfur colloid imaging. Wiseman J, et al. **Clin Nucl Med** 1984 May;9(5):291-2

SURGERY

Treatment of cervical disc disease using Cloward's technique. The prognostic value of clinical preoperative data in 1,106 patients. Eriksen EF, et al. **Acta Neurochir (Wien)** 1984; 70(3-4):181-97

Neurosurgical management of spinal conditions--an overview. Selecki BR, et al. **Aust NZ J Surg** 1984 Feb; 54(1):37-42

Posterior intervertebral body fusion. A 25-year study. Hutter CG. **Clin Orthop** 1983 Oct;(179):86-96

Cervical myelopathy treated by canal-expansive laminaplasty. Computed tomographic and myelographic findings. Kimura I, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):914-20

Anterior cord decompression and spinal stabilization for patients with metastatic lesions of the spine. Harrington KD. **J Neurosurg** 1984 Jul;61(1):107-17

An anterior surgical approach to the upper thoracic vertebrae. Sundaresan N, et al. **J Neurosurg** 1984 Oct; 61(4):686-90

Predictability of the result of surgical intervention in patients with low back pain. Oostdam EM, et al. **J Psychosom Res** 1983;27(4):273-81

Indwelling epidural morphine for control of post-lumbar spinal surgery pain. Ray CD, et al. **Neurosurgery** 1983 Oct; 13(4):388-93

Posterolateral fusion with instrumentation in the symptomatic failed back patients. Kaneda K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar;58(3):323-30

Lumbar spinal instability (olisthesis) after extensive posterior spinal decompression. Lee CK. **Spine** 1983 May-Jun; 8(4):429-33

Lumbar disk. Surgical tricks for safeguarding the 'root's ecology'. de Divitiis E, et al. **Surg Neurol** 1984 Jul; 22(1):73-5

Acrylic reconstruction of an arthritic cervical spine using the transcervical-transclival approach. Lesoin F, et al. **Surg Neurol** 1984 Oct;22(4):329-34

[A case of aneurysmal cyst of the spine. Pathogenic and therapeutic problems] Onimus M, et al. **Rev Chir Orthop** 1984;70(4):335-41 (Eng. Abstr.) **(Fre)**

[Antibiotic prophylaxis in orthopedics with special reference to spinal operations] Ecker J, et al. **Z Orthop** 1983 Nov-Dec;121(6):738-40 (Eng. Abstr.) **(Ger)**

[Somatosensory evoked potentials in surgery of the spine] Matzen KA, et al. **Z Orthop** 1984 Jan-Feb;122(1):83-9 (Eng. Abstr.) **(Ger)**

[Indications and technics in surgery of thoracic vertebrae using the anterior approach] Morscher E. **Z Orthop** 1984 Jul-Aug;122(4):512-5 **(Ger)**

[Indication and results of ventral approach spinal surgery] Schmitt O. **Z Orthop** 1984 May-Jun;122(3):356-64 (Eng. Abstr.) **(Ger)**

THERAPY

Spinal orthoses. Levine AM. **Am Fam Physician** 1984 Mar; 29(3):277-80

Use of spinal traction in the treatment of neck and back conditions. Saunders HD. **Clin Orthop** 1983 Oct;(179):31-8

Orthopedics in adolescence. Staheli LT. **Dev Med Child Neurol** 1983 Dec;25(6):806-18

[Vertebral syndrome and its treatment from the manual and neuro-therapeutic viewpoints including controlled physical therapy] Jung D. **Beitr Orthop Traumatol** 1983 Aug; 30(8):426-32 (Eng. Abstr.) **(Ger)**

[Extension of the spinal column in free suspension. Clinical, x-ray and electromyography studies] Pförringer W, et al. **MMW** 1983 Nov 25;125(47):1107-10 (Eng. Abstr.) **(Ger)**

[Orthosis in the complex treatment of the spinal pain syndrome] Kaptelin AF, et al. **Ortop Travmatol Protez** 1984 Mar;(3):20-2 (Eng. Abstr.) **(Rus)**

[Treatment of neurodystrophic lesions of the locomotor apparatus] Popelianskii Ialu, et al. **Revmatologiia (Moskva)** 1984 Jan-Mar;(1):66-70 **(Rus)**

[Transcutaneous neuroelectrostimulation in spinal osteochondrosis] Dmitriev AE, et al. **Sov Med** 1984; (3):93-5 **(Rus)**

[Determination of various biochemical blood indices for the evaluation of the efficacy of radon therapy in patients subjected to the neuro-orthopedic interventions for spinal osteochondrosis] Shukhov VS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep-Oct;(5):46-8 **(Rus)**

[Transcutaneous electrostimulation and its place in the treatment of chronic pain syndromes] Dil'din AS, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):539-42 (Eng. Abstr.) **(Rus)**

VETERINARY

What is your diagnosis? Mineralization of the arteries in a dog. Sesline D, et al. **J Am Vet Med Assoc** 1984 Jan 15; 184(2):209-10

Studies on intervertebral disc protrusion in beagles. Fukuda S, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):209-15

[Roentgenologic studies of the spine in small domestic

animals. 1. Routine studies] Wolvekamp WT. **Tijdschr Diergeneeskd** 1984 Jun 15;109(12):507–15 (Eng. Abstr.) (Dut)

SPINAL FUSION

see related

LAMINECTOMY

Pain relief with epidural buprenorphine after spinal fusion: a comparison with intramuscular morphine. Murphy DF, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):144–6

Hypotensive anesthesia for a patient with Friedreich's ataxia and cardiomyopathy. Bird TM, et al. **Anesthesiology** 1984 Apr;60(4):377–80

Evoked potentials recorded from scalp and spinous processes during spinal column surgery. Maccabee PJ, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):569–82

Clinical evaluation of an electrical current stimulator in spinal fusions. Nerubay J, et al. **Int Orthop** 1984;7(4):239–42

Anterior cord decompression and spinal stabilization for patients with metastatic lesions of the spine. Harrington KD. **J Neurosurg** 1984 Jul;61(1):107–17

Improved postoperative course following modified segmental instrumentation and posterior spinal fusion for idiopathic scoliosis. Guadagni J, et al. **J Pediatr Orthop** 1984 Aug; 4(4):405–8

Improvement in pulmonary function in patients having combined anterior and posterior spine fusion for myelomeningocele scoliosis. Banta JV, et al. **Spine** 1983 Oct;8(7):765–70

Lumbar spinal instability (olisthesis) after extensive posterior spinal decompression. Lee CK. **Spine** 1983 May–Jun; 8(4):429–33

Long-term results of lumbar intervertebral disc prolapse. Leong JC, et al. **Spine** 1983 Oct;8(7):793–9

An analysis of posture and gait following spinal fusion with Harrington instrumentation. Wasylenko M, et al. **Spine** 1983 Nov–Dec;8(8):840–5

Surgical stabilization of the spine in Duchenne muscular dystrophy. Weimann RL, et al. **Spine** 1983 Oct;8(7):776–80

Knodt rod distraction lumbar fusion. White AH, et al. **Spine** 1983 May–Jun;8(4):434–7

A biomechanical analysis of posterior cervical fusions using polymethylmethacrylate as an instantaneous fusion mass. Whitehill R, et al. **Spine** 1983 May–Jun;8(4):368–72

The posterior interspinous fusion in the treatment of quadriplegia. Whitehill R, et al. **Spine** 1983 Oct;8(7):733–40

[Value of neurophysiologic methods in the follow-up of Cloward's multiple cervical vertebral fusion] Schoenhuber R, et al. **Neurochirurgia (Stuttg)** 1984 Jan;27(1):6–7 (Eng. Abstr.) (Ger)

[Clinical and radiological evaluation of cervical heterografts] López-Ferro MO, et al. **Rev Clin Esp** 1984 Mar 15; 172(5):271–6 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Pseudarthrosis resulting in complete paraplegia fifteen years after spinal fusion. Roy DR, et al. **Arch Orthop Trauma Surg** 1984;102(4):213–5

The effect of Harrington instrumentation on the sagittal configuration and mobility of the spine in scoliosis. Aaro S, et al. **Spine** 1983 Sep;8(6):570–5

The knee—elbow position in lumbar disc surgery: a review of complications. Eie N, et al. **Spine** 1983 Nov–Dec; 8(8):897–900

INSTRUMENTATION

Zielke instrumentation (VDS) for the correction of spinal curvature. Analysis of results in 66 patients. Moe JH, et al. **Clin Orthop** 1983 Nov;(180):133–53

Late complications due to wire breakage in segmental spinal instrumentation. Report of two cases. Bernard TN Jr, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1339–45

Late complications due to wire breakage in segmental spinal instrumentation. Report of two cases [letter] Dolin MG. **J Bone Joint Surg [Am]** 1984 Jul;66(6):967–8

Spinal instability due to malignant disease. Treatment by segmental spinal stabilization. Flatley TJ, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):47–52

Harrington rod. Instrumentation and fusion of unstable spinal fractures. Fleming FW. **J Kans Med Soc** 1983 Nov; 84(11):561–2

A dowel inserter for anterior cervical interbody fusion. Technical note. Brandt L, et al. **J Neurosurg** 1984 Oct; 61(4):793–4

New steel device for occipitocervical fixation. Technical note. Cantore G, et al. **J Neurosurg** 1984 May;60(5):1104–6

Modification of Cloward cervical retractor. Technical note. Leibrock LG, et al. **J Neurosurg** 1984 Jul;61(1):193–4

Vertebral trephine: a new instrument for anterior cervical fusion. Technical note. Mann KS. **J Neurosurg** 1984 Jun; 60(6):1315–6

Interspinous process segmental spinal instrumentation. Drummond D, et al. **J Pediatr Orthop** 1984 Aug; 4(4):397–404

An unusual late complication of acrylic spinal fusion: case report. Jordan SE, et al. **Neurosurgery** 1983 Oct;13(4):441–2

Segmental spinal instrumentation in the management of fractures of the thoracic and lumbar spine. Bernard TN Jr, et al. **South Med J** 1983 Oct;76(10):1232–6

The Galveston technique of pelvic fixation with L-rod instrumentation of the spine. Allen BL Jr, et al. **Spine** 1984 May–Jun;9(4):388–94

The effects of internal fixation on the articular cartilage of unfused canine facet joint cartilage. Kahanovitz N, et al. **Spine** 1984 Apr;9(3):268–72

Anterior cervical fusion: some new tools. Boles DM, et al. **Surg Neurol** 1984 Apr;21(4):323–4

[Correction of scoliosis using plates. Results of 99 cases seen at a later time] Pouliquen JC, et al. **Rev Chir Orthop** 1984; 70(2):93–108 (Eng. Abstr.) (Fre)

[Increased indication for VDS instrumentation using Zielke's method] Hellinger J, et al. **Beitr Orthop Traumatol** 1984 Mar;31(3):143–51 (Eng. Abstr.) (Ger)

[Zielke's ventral derotation spondylodesis for surgical scoliosis treatment] Hellinger J, et al. **Beitr Orthop Traumatol** 1983 Aug;30(8):411–22 (Eng. Abstr.) (Ger)

[Harrington's fixation in disseminated malignancies in the spinal column] Amundsen SR, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1146–9 (Eng. Abstr.) (Nor)

METHODS

Treatment of cervical disc disease using Cloward's technique. I. General results, effect of different operative methods and complications in 1,106 patients. Espersen JO, et al. **Acta Neurochir (Wien)** 1984;70(1–2):97–114

Cervical osteochondrosis and disc herniation. Eighteen years' use of interbody fusion by Cloward's technique in 755 cases. Mosdal C. **Acta Neurochir (Wien)** 1984;70(3–4):207–25

Posterior spinal fusion using internal fixation with the Daab plate. Böstman O, et al. **Acta Orthop Scand** 1984 Jun; 55(3):310–4

Lumbosacral distraction spondylodesis with autologous bone graft together with posterolateral fusion. Krämer J, et al. **Arch Orthop Trauma Surg** 1984;103(2):107–11

Internal fixation of the spine for idiopathic scoliosis using square-ended distraction rods and lamina wiring (Harrington-Luque technique). Silverman BJ, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):41–55

Fusion of the cervical spine for instability. Glynn MK, et al. **Clin Orthop** 1983 Oct;(179):97–101

Technique of cervical interbody fusion. Gore DR. **Clin Orthop** 1984 Sep;(188):191–5

Posterior intervertebral body fusion. A 25-year study. Hutter CG. **Clin Orthop** 1983 Oct;(179):86–96

Posterior lumbar interbody fusion. Lin PM, et al. **Clin Orthop** 1983 Nov;(180):154–68

Two-stage resection and spinal stabilization for aneurysmal bone cyst. A report of two cases. Nicastro JF, et al. **Clin Orthop** 1983 Nov;(180):173–8

Transoral atlantoaxial anterior decompression and fusion. Sakou T, et al. **Clin Orthop** 1984 Jul–Aug;(187):134–8

Comparative strength of anterior spinal fixation with bone graft or polymethylmethacrylate. Experimental operations and observations on dogs. Wang GJ, et al. **Clin Orthop** 1984 Sep;(188):303–8

Methylmethacrylate stabilization of the cervical spine. Clark CR, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):40–6

The selection of fusion levels in thoracic idiopathic scoliosis. King HA, et al. **J Bone Joint Surg [Am]** 1983 Dec; 65(9):1302–13

The surgical treatment of instability of the upper part of the cervical spine in children and adolescents. Koop SE, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):403–11

Dystrophic spinal deformities in neurofibromatosis. Treatment by anterior and posterior fusion. Hsu LC, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):495–9

Posterolateral fusion with instrumentation in the symptomatic failed back patients. Kaneda K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Mar;58(3):323–30

Multiple subtotal somatectomy. Technique and evaluation of a series of 39 cases. Boni M, et al. **Spine** 1984 May–Jun; 9(4):358–62

Long-term anatomic and functional changes in patients with adolescent idiopathic scoliosis treated by Harrington rod fusion. Cochran T, et al. **Spine** 1983 Sep;8(6):576–84

The anterior cervical plate. Gassman J, et al. **Spine** 1983 Oct; 8(7):700–7

Bilateral partial aplasia of the atlas definitive treatment by bilateral anterior C1–C2 buttress fusion. Jacobs RR, et al. **Spine** 1983 Jul–Aug;8(5):558–9

The effect of postoperative electromagnetic pulsing on canine posterior spinal fusions. Kahanovitz N, et al. **Spine** 1984 Apr;9(3):273–9

Spinal fusions to the sacrum in adults with scoliosis. Kostuik JP, et al. **Spine** 1983 Jul–Aug;8(5):489–500

Experience of posterior surgery in atlanto-axial instability. Lee PC, et al. **Spine** 1984 Apr;9(3):231–9

Vertebral body replacement with femoral neck allograft and vascularized rib strut graft. A technique for treating post-traumatic kyphosis with neurologic deficit. McBride GG, et al. **Spine** 1983 May–Jun;8(4):406–15

The use of methylmethacrylate cement as an instantaneous fusion mass in posterior cervical fusions: a canine in vivo experimental model. Whitehill R, et al. **Spine** 1984 Apr; 9(3):246–52

[Treatment of spondylolisthesis in adolescents and adults by intersomatic arthrodesis using a posterior approach. Apropos of 40 cases] Lerat JL, et al. **Rev Chir Orthop** 1984; 70 Suppl 2:127–33 (Fre)

[Development of lung function and physical capacity in patients with idiopathic scoliosis after dorsal spinal fusion with the Harrington method (normal course)] Sehnal E, et al. **Respiration** 1983;44(5):376–81 (Eng. Abstr.) (Ger)

[Straightening operations in juvenile kyphosis. Results in 31 cases using Harrington's dorsal compression spondylodesis or its combination with ventral osteodiskectomy and clip insertion] Griss P, et al. **Z Orthop** 1983 Nov–Dec; 121(6):665–74 (Eng. Abstr.) (Ger)

[Postoperative treatment phases following the Cloward operation] Pittasch D, et al. **Zentralbl Neurochir** 1983; 44(4):313–5 (Eng. Abstr.) (Ger)

[Experimental anterior interbody fusion of the cervical spine. Comparative study between autograft and Al2O3 ceramic implantation] Taguchi T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Feb;58(2):205–17 (Eng. Abstr.) (Jpn)

[Indications for the surgical treatment of injuries of the cervical spine by the anterior approach] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):27–31 (Eng. Abstr.) (Pol)

[Derotational gibbectomy in scoliosis by our method (preliminary report)] Mirończki E. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):139–41 (Eng. Abstr.) (Pol)

[Usefulness of transthoracic epiphysiodesis and posterior spinal fusion in the treatment of infantile scoliosis] Tylman D, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):133–7 (Eng. Abstr.) (Pol)

[Transthoracic epiphysiodesis and correction with the Harrington distractor as a method of treatment of idiopathic scoliosis in young children (preliminary report)] Tylman D, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(4):369–72 (Eng. Abstr.) (Pol)

[Comparative evaluation of methods of experimental spinal fusion] Khodov AM, et al. **Ortop Travmatol Protez** 1983 Dec;(12):18–21 (Eng. Abstr.) (Rus)

STANDARDS

The load bearing capacity of vertebral cancellous bone in interbody fusion of the lumbar spine. Pearcy MJ, et al. **Eng Med** 1983 Oct;12(4):183–4

VETERINARY

Cervical vertebral interbody fusion in the horse: a comparative study of bovine xenografts and autografts supported by stainless steel baskets. DeBowes RM, et al. **Am J Vet Res** 1984 Jan;45(1):191–9

SPINAL INJURIES

American Spinal Injury Association (ASIA). Ninth annual scientific meeting April 11th–13th, 1983, Denver, Colorado, U.S.A. Abstracts. **Paraplegia** 1984 Feb; 22(1):45–54

CLASSIFICATION

The three column spine and its significance in the classification of acute thoracolumbar spinal injuries. Denis F. **Spine** 1983 Nov–Dec;8(8):817–31

COMPLICATIONS

Spinal myoclonus. A case report. Baruah JK. **J Bone Joint Surg [Am]** 1984 Feb;66(2):304–5

Multiple cranial nerve palsies due to a hyperextension injury to the cervical spine. Case report. Rosa L, et al. **J Neurosurg** 1984 Jul;61(1):172–3

Vertebral body replacement with femoral neck allograft and vascularized rib strut graft. A technique for treating post-traumatic kyphosis with neurologic deficit. McBride GG, et al. **Spine** 1983 May–Jun;8(4):406–15

[Delayed paraplegia following spinal injury] Hu YJ. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):103–4 (Eng. Abstr.) (Chi)

[Vertebrogenic syndromes in children and their association with injuries] Nikolaidu L, et al. **Cesk Pediatr** 1983 Oct; 38(10):601–2 (Eng. Abstr.) (Cze)

[Episodes of amnesia following whiplash injury to the cervical spine] Heckl RW, et al. **Aktuel Traumatol** 1984 Feb;14(1):33–6 (Eng. Abstr.) (Ger)

[Whiplash injuries of the cervical spine. Pathogenesis of cerebral involvement and persistent post-traumatic disorders] Krämer G. **Med Welt** 1983 Oct 14; 34(41):1134–40 (Ger)

[Clinical studies of ankylosing hyperostosis of the spine in spinal cord injured patients: heterotopic ossification and initial findings] Sugi M. **Nippon Geka Hokan** 1983 Jan 1; 52(1):98–111 (Eng. Abstr.) (Jpn)

[Diagnosis and treatment of combined injuries of the spine and thoracic cavity] Efimov IS, et al. **Ortop Travmatol Protez** 1984 Mar;(3):14–7 (Eng. Abstr.) (Rus)

[Neurologic aspects of the problem of scoliosis in children] Ratner AIu, et al. **Ortop Travmatol Protez** 1984 Mar; (3):34–7 (Eng. Abstr.) (Rus)

DIAGNOSIS

Missed orthopaedic injuries in the resuscitation room [letter] Ravichandran G. **J R Coll Surg Edinb** 1984 Mar;29(2):126

Intraoperative sonography in spinal trauma. Montalvo BM,

et al. **Radiology** 1984 Oct;153(1):125–34
[Diagnosis and treatment of birth spinal and spinal cord injuries in children] Iukhnova OM, et al.
Ortop Travmatol Protez 1983 Sep;(7):15–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Injuries of the spine sustained in rugby. Silver JR.
Br Med J [Clin Res] 1984 Jan 7;288(6410):37–43
Skiing and spinal trauma. Frymoyer JW, et al.
Clin Sports Med 1982 Jul;1(2):309–18
Spinal lesions due to hyperextension in ankylosing spondylitis. Boriani S, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):365–8
Characteristics of acute lymphoblastic leukemia in children with osteopenia and vertebral compression fractures. Blatt J, et al. **J Pediatr** 1984 Aug;105(2):280–2
The noncerebrovascular complications of chiropractic manipulation. Schmidley JW, et al. **Neurology (NY)** 1984 May;34(5):684–5
[Investigation on pathogenesis of traumatic diseases of the spinal column] Feng TY.
Chung Hsi I Chieh Ho Tsa Chih 1983 Jul;3(4):243–4 (Eng. Abstr.) **(Chi)**
[Fractures of the spine in patients with ankylosing spondylitis] Erlendsson J, et al. **Ugeskr Laeger** 1984 Apr 23; 146(17):1292–4 (Eng. Abstr.) **(Dan)**
[Injuries of the spinal column in accidents involving small private air planes] Hiemer W, et al. **Unfallheilkunde** 1984 Apr;87(4):176–9 (Eng. Abstr.) **(Ger)**
[Spinal injuries caused by a suicidal jump from height] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(2):111–5 (Eng. Abstr.) **(Pol)**

METABOLISM

Calcium malabsorption in elderly women with vertebral fractures: evidence for resistance to the action of vitamin D metabolites on the bowel. Francis RM, et al.
Clin Sci 1984 Jan;66(1):103–7

MORTALITY

[Mortality in complicated spinal injuries] Fadeev GI, et al.
Ortop Travmatol Protez 1983 Sep;(7):24–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Spinal injury in a U.S. Army light observation helicopter. Shanahan DF, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):32–40
National survey of spinal injuries in hockey players. Tator CH, et al. **Can Med Assoc J** 1984 Apr 1;130(7):875–80
Pediatric neck injuries. A clinical study. Hill SA, et al.
J Neurosurg 1984 Apr;60(4):700–6
Understanding the epidemic of neurotrauma. Stening WA.
Med J Aust 1984 Jul 7;141(1):5–6
[Incidence of spinal injuries in different seasons of the year] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(5–6):417–21 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Fifty years survival after cervical fracture and fusion. Sakae T, et al. **Paraplegia** 1983 Aug;21(4):249–57

PHYSIOPATHOLOGY

The biomechanics of spinal injuries. Sances A Jr, et al.
Crit Rev Biomed Eng 1984;11(1):1–76 (244 ref.)
An in-vitro study of the kinematics of the normal, injured and stabilized cervical spine. Goel VK, et al.
J Biomech 1984;17(5):363–76
Compression injuries of the cervical spine: a biomechanical analysis. Maiman DJ, et al. **Neurosurgery** 1983 Sep; 13(3):254–60
[Chance's fracture] Fuentes JM, et al. **Neurochirurgie** 1984; 30(2):113–8 (Eng. Abstr.) **(Fre)**
[Dynamic and static stress of the spine and its possible effects in various types of sport] Güssbacher A, et al.
Schweiz Z Sportmed 1983 Dec;31(4):119–24 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Program compliance key to preventing low back injuries. Morris A. **Occup Health Saf** 1984 Mar;:44–7

RADIOGRAPHY

Computed tomography of spinal and pelvic fractures. Suomalainen O, et al. **Ann Chir Gynaecol** 1983;72(6):337–41
Spinal fractures: results and experience with computer tomography. Crone-Münzebrock W, et al.
Arch Orthop Trauma Surg 1984;103(1):36–41
Spinal injuries due to hockey. Tator CH, et al.
Can J Neurol Sci 1984 Feb;11(1):34–41
Radiology of spinal trauma—practical experience in a trauma unit. Kassel EE, et al. **J Can Assoc Radiol** 1983 Sep; 34(3):189–203
Quantitative computed tomography assessment of spinal trabecular bone. II. In osteoporotic women with and without vertebral fractures. Firooznia H, et al.
J Comput Tomogr 1984 Apr;8(2):99–103
The cervicothoracic junction on chest radiograph. Jones MD, et al. **Radiol Clin North Am** 1984 Sep;22(3):487–96 (20 ref.)
Traumatic dural tears: CT diagnosis using metrizamide. Morris RE, et al. **Radiology** 1984 Aug;152(2):443–6
Unstable thoracolumbar fractures. A study by CT and conventional roentgenology of the reduction effect of Harrington instrumentation. Willén J, et al. **Spine** 1984 Mar; 9(2):214–9
[Compressive fractures of the spine in childhood and radiographic findings] Kubát R, et al.
Acta Chir Orthop Traumatol Cech 1983 Aug;50(4):345–8 (Eng. Abstr.) **(Cze)**
[Computer tomography in traumatology .Spinal injuries] Jend HH, et al.
Fortschr Geb Rontgenstr Nuklearmed Erganzungsband 1984; 119:47–57 **(Ger)**
[Conventional tomography in diseases of the spine—technic, clinical evaluation and indication] Arlart IP.
Rontgenblatter 1983 Nov;36(11):388–96 (Eng. Abstr.) **(Ger)**
[Computer tomography of the injured spine] Tänzer B, et al. **Rontgenpraxis** 1984 Jan;37(1):13–8 **(Ger)**
[X-ray characteristics of the sequelae of closed vertebrospinal injuries] Kamalov II. **Ortop Travmatol Protez** 1984 Mar; (3):11–4 (Eng. Abstr.) **(Rus)**
[Differential diagnosis of compression fractures and of the clinoid variation in vertebral shape in forensic medical practice] Tsyvkin MV, et al. **Sud Med Ekspert** 1984 Jan-Mar;27(1):21–5 (Eng. Abstr.) **(Rus)**
[Contrast study of the epidural space] Sipukhin IaM, et al. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):25–30 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Appearance of fresh vertebral body fractures on the bone scintigram] Tiedjen KU, et al. **ROFO** 1984 Apr; 140(4):452–6 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Diseases of the locomotor system: sociomedical aspects. 6. Sequelae of injuries] Eufinger H. **MMW** 1983 Dec 2; 125(48):suppl 99–100, 103 **(Ger)**
[The operated and injured spine and its significance for sports and military duty] Magerl F. **Schweiz Z Sportmed** 1983 Dec;31(4):125–7 (Eng. Abstr.) **(Ger)**

SURGERY

Posterior spinal fusion using internal fixation with the Daab plate. Böstman O, et al. **Acta Orthop Scand** 1984 Jun; 55(3):310–4
Harrington instrumentation for thoracic and lumbar vertebral fractures. Svensson O, et al. **Acta Orthop Scand** 1984 Feb; 55(1):38–47
Harrington rod. Instrumentation and fusion of unstable spinal fractures. Fleming FW. **J Kans Med Soc** 1983 Nov; 84(11):561–2
Treatment of pedicular fractures of the axis. A clinical study and screw fixation technique. Borne GM, et al.
J Neurosurg 1984 Jan;60(1):88–93
Harrington rod stabilization for pathological fractures of the spine. Sundaresan N, et al. **J Neurosurg** 1984 Feb; 60(2):282–6
Posterior stabilization with an interlaminar clamp in cervical injuries: technical note and review of the long term experience with the method. Holness RO, et al.
Neurosurgery 1984 Mar;14(3):318–22
Neurological improvement associated with late decompression of the thoracolumbar spinal cord. Maiman DJ, et al. **Neurosurgery** 1984 Mar;14(3):302–7
Traumatic extradural and intradural herniation of cervical disk treated surgically. Caetano de Barros A, et al.
Surg Neurol 1984 Jun;21(6):577–80
The anterior approach and plates in lower cervical posttraumatic lesions. Lesoin F, et al. **Surg Neurol** 1984 Jun;21(6):581–7
Late laminectomy in traumatic paraplegia. Ramamurthi B, et al. **Surg Neurol** 1983 Nov;20(5):414–6
[Surgical stabilization of fractures of the thoracic and lumbar portion of the spine using paraspinal metal plates] Tertsch D, et al. **Zentralbl Neurochir** 1984;45(1):55–62 (Eng. Abstr.) **(Ger)**
[Surgical treatment of spinal fractures] Tsiv'ian IaL.
Ortop Travmatol Protez 1984 Mar;(3):56–63 **(Rus)**

THERAPY

Early management of spinal injuries. Sypert GW.
Am Fam Physician 1984 May;29(5):113–22
Neurological injuries in South Australia: the influence of distance on management and outcome. Simpson D, et al.
Aust NZ J Surg 1984 Feb;54(1):29–35
Low back pain in the athlete. From spondylogenic injury during recreation or competition. Keene JS.
Postgrad Med 1983 Dec;74(6):209–12, 213, 217
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. **Primary Care** 1984 Mar;11(1):175–94
Acute cervical spinal injury [editorial] Bucy PC.
Surg Neurol 1983 Nov;20(5):427–9
A stretcher that facilitates the radiographic evaluation and closed reduction of spinal fractures. Jelsma RK, et al.
Surg Neurol 1984 Aug;22(2):167–72
[The halo-waistcoat in the treatment of fractures of the cervical spine] Mortensen AC, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):808–11 (Eng. Abstr.) **(Dan)**
[Cervical spine injuries in childhood. Conservative treatment or surgery?] Roosen K, et al. **Neurochirurgia (Stuttg)** 1984 Jan;27(1):1–5 (Eng. Abstr.) **(Ger)**
[The mechanical characteristics of the Harrington equipment used in the stabilization of fractures of the thoraco-lumbar spine. I.] Solini A, et al. **Chir Organi Mov** 1982–83; 68(1):7–26 (Eng. Abstr.) **(Ita)**
[Comparative evaluation of methods of treating uncomplicated compression fractures of vertebral bodies] Iumashev GS, et al. **Ortop Travmatol Protez** 1984 Mar; (3):8–11 (Eng. Abstr.) **(Rus)**
[Positive results at the first Scandinavian unit for spinal injuries] Ramsby A. **Nord Med** 1983;98(12):292–3 **(Swe)**

SPINAL NEOPLASMS

Spinal extradural lipomas. Report of two cases. de Bruïne JF, et al. **Clin Neurol Neurosurg** 1983;85(3):181–90
[Chordoma. Clinical aspects, pathology and differential diagnosis] Stambolis C, et al. **Med Welt** 1983 Oct 21; 34(42):1172–5 **(Ger)**

CHEMICALLY INDUCED

Spinal epidural lipomatosis: a complication of glucocorticoid therapy. Russell NA, et al. **Can J Neurol Sci** 1984 Aug; 11(3):383–6

COMPLICATIONS

Extradural chloroma with spinal compression—an unusual presentation of acute myelogenous leukemia. Kellie SJ, et al. **Aust NZ J Med** 1984 Apr;14(2):160–2
Fatty replacement of muscles adjacent to spinal osteoid osteoma. McConnell JR, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):147–8
Spinal cord compression by an osteochondroma in a patient with multiple osteochondromatosis. Case report. O'Connor GA, et al. **J Neurosurg** 1984 Feb;60(2):420–3
Vertebral osteochondroma causing spinal cord compression: case report. Karian JM, et al. **Neurosurgery** 1984 Apr; 14(4):483–4
Role of unilateral percutaneous cervical cordotomy in the treatment of neoplastic vertebral pain. Ischia S, et al.
Pain 1984 Jun;19(2):123–31
Epidural lipoma: an unusual cause of a sclerotic vertebral body. Schechter MS, et al. **Spine** 1983 Oct;8(7):804–5
Primary osteosarcoma of the cervical spine causing neurological symptoms. Gandolfi A, et al. **Surg Neurol** 1984 May;21(5):441–4
[Solitary chondromas and osteochondromas of the spine provoking myeloradicular compression. Apropos of 6 cases treated surgically] Fortuna A, et al. **Neurochirurgie** 1983; 29(4):271–8 (Eng. Abstr.) **(Fre)**
[Painful sciatic rubbing caused by benign synovioma of the spinal joints. Apropos of 4 cases] Galibert P, et al.
Neurochirurgie 1983;29(6):377–80 (Eng. Abstr.) **(Fre)**
[Surgical lumbar sciatica of non-disk origin: vertebral osteoid osteoma and osteoblastoma] Greco F, et al.
Arch Putti Chir Organi Mov 1983;33:371–80 (Eng. Abstr.) **(Ita)**
[Lumbo-femoral extension rigidity in children and adolescents] Dedova VD, et al. **Pediatriia** 1984 Mar; (3):38–41 **(Rus)**

CONGENITAL

Mid-trimester acute polyhydramnios and fetal sacro-coccygeal teratoma. Conaghan CJ, et al.
Asia Oceania J Obstet Gynaecol 1984 Mar;10(1):41–4
Surgical treatment of spinal lipomas in infancy and childhood. Mircevski M, et al. **Childs Brain** 1983;10(5):317–27
Congenital intraspinal neuroblastoma with intraspinal calcification in the neonatal period: report of a case with a 32-year follow-up. Haden MA, et al. **Pediatr Radiol** 1983; 13(6):335–8
[Prenatal diagnosis of coccygeal teratoma in placenta hypertrophy] Schwesinger G, et al. **Zentralbl Gynakol** 1983;105(15):993–6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ganglioneuroma with an uncommon location in a six-year-old girl. Ljung R, et al. **Acta Paediatr Scand** 1984 May;73(3):411–3
A dumbbell (hourglass) neurofibroma of the spine in a patient with von Recklinghausen's disease. A case report with twelve-year follow-up. Castelein RM, et al.
Arch Orthop Trauma Surg 1984;102(4):216–20
A case of non-malingering. Morse RH.
J La State Med Soc 1984 Apr;136(4):62–4
Neuroblastoma with intraspinal (dumbbell) extension. Holgersen LO, et al. **J Pediatr Surg** 1983 Aug;18(4):406–11
Extradural spinal lipomas. Report of two cases and review of the literature. Butti G, et al. **Neurochirurgia (Stuttg)** 1984 Jan;27(1):28–30
Spinal hemangiomas. Healy M, et al. **Neurosurgery** 1983 Dec; 13(6):689–91
Intrathoracic chordoma presenting as a posterior superior mediastinal tumor. Cotler HB, et al. **Spine** 1983 Oct; 8(7):781–6

Early isolated paraspinal EMG abnormalities in occult carcinoma with spinal metastasis [letter] Laban MM. **Spine** 1983 May-Jun;8(4):7A

[Ewing's tumor of the epistropheus. Case report] Poul J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):157–60 (Eng. Abstr.) **(Cze)**

[Joint symptoms in children: suspicion justified] de Jongste JC, et al. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):793–5 **(Dut)**

[Solitary chondromas and osteochondromas of the spine with myeloradicular compressive manifestations. Apropos of 6 surgically-treated cases] Fortuna A, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(6):433–40 (Eng. Abstr.) **(Fre)**

[Non-ossifying fibroma with vertebral localization (letter)] Péré P, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):58 **(Fre)**

[Paravertebral synovial sarcoma] Gualtieri I, et al. **Chir Organi Mov** 1982–83;68(3):383–6 (Eng. Abstr.) **(Ita)**

[Characteristic course of aneurysmal bone cysts of various localizations] Suslova Ola, et al. **Ortop Travmatol Protez** 1983 Sep;(7):46–50 (Eng. Abstr.) **(Rus)**

[Osteoid osteoma of the spine] Spilsák L, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):161–3 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Osteogenic sarcoma of the fourth thoracic vertebra. Long-term survival by chemotherapy only. Ogihara Y, et al. **Cancer** 1984 Jun 15;53(12):2615–8

[Effects of fluoride-calcium therapy associated with antiblastic therapy in plasmacytoma. Case/reports] Gnudi S, et al. **Chir Organi Mov** 1981–82;67(6):697–700 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Radiation induced osteosarcoma of the sacrum following radiation of an undiagnosed bone lesion. Scheiden R, et al. **Arch Orthop Trauma Surg** 1983;102(2):128–30

Remission and exacerbation of tumor-related nephrotic syndrome with treatment of the neoplasm. Robinson WL, et al. **Cancer** 1984 Sep 15;54(6):1082–4

Contiguous scalp, skull, and epidural Hodgkin's disease. Tomaszek DE, et al. **Surg Neurol** 1984 Feb;21(2):182–4

IMMUNOLOGY

[Intrathecal immunoglobulin formation in spinal tumors] Hornig CR. **Nervenarzt** 1984 Jun;55(6):328–9 **(Ger)**

OCCURRENCE

[Epidemiology and pathology of spinal tumors] Giordana MT. **Minerva Med** 1984 May 31;75(22–23):1341–4 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Tumores rari et inusitati. Chordoma in a lumbar vertebral transverse process: a case report and review of the literature. Kamal MF, et al. **Clin Oncol** 1984 Jun; 10(2):167–72

Aneurysmal bone cyst of the cervicodorsal spine. Stillwell WT, et al. **Clin Orthop** 1984 Jul–Aug;(187):144–6

Benign osteoblastoma of the lumbar spine. Kumar S, et al. **Indian Pediatr** 1983 Dec;20(12):942–4

Central nervous system mesenchymal chondrosarcoma. Case report. Harsh GR 4th, et al. **J Neurosurg** 1984 Aug; 61(2):375–81

Intraspinal elastofibroma. A case report. Prete PE, et al. **Spine** 1983 Oct;8(7):800–2

[Skeletal chordoma. Clinico-pathological and differential diagnostic aspects] Fischer HP, et al. **Pathologe** 1983 Nov; 4(6):307–12 **(Ger)**

[Osteoid osteoma of the 2d cervical vertebra] Kropp F, et al. **Riv Neurobiol** 1983 Jan–Mar;29(1):58–63 (Eng. Abstr.) **(Ita)**

[Autopsy case of simultaneous triple malignancies—ovarian, chordoma and thyroid cancers] Yamamoto Y, et al. **Gan No Rinsho** 1983 Sep;29(11):1375–8 (Eng. Abstr.) **(Jpn)**

[Spinal teratoma. Report of an elderly case] Nakayama K, et al. **Neurol Med Chir (Tokyo)** 1983 Dec;23(12):963–7 (Eng. Abstr.) **(Jpn)**

[Chordoma of the cervical portion of the spine] Zhegin VA, et al. **Vestn Rentgenol Radiol** 1984 May-Jun;(3):82–4 **(Rus)**

RADIOGRAPHY

Intraspinal tumor with lumbosacral agenesis. Hafeez M, et al. **AJNR** 1984 Jul–Aug;5(4):481–2

Computed tomography of axial skeletal osteoid osteomas. Gamba JL, et al. **AJR** 1984 Apr;142(4):769–72

Pelvic extension of benign intradural tumor—demonstration by computerized tomography. Anand AK, et al. **Comput Radiol** 1983 May-Jun;7(3):173–6

Computed tomography in the diagnosis and management of paravertebral masses. Doubilet PM, et al. **Comput Radiol** 1984 Mar–Apr;8(2):101–6

CT evaluation of intervertebral foramina lesions with normal or non-diagnostic myelograms. Report of ten cases. Nelson MJ, et al. **Comput Radiol** 1983 May-Jun;7(3):155–60

Complete delineation of an obstructing spinal mass in myelography through the lumbar route. Vencken LM, et al. **Diagn Imag Clin Med** 1984;53(4):203–7

Multiple osteoid osteoma in the 7th dorsal vertebra. Calderoni P, et al. **Ital J Orthop Traumatol** 1984 Jun; 10(2):257–60

Spinal lipoma presenting as a mediastinal mass: diagnosis by CT. Quinn SF, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1087–9

Cervical chordoma presenting with intervertebral foramen enlargement mimicking neurofibroma: CT findings. Wang AM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):529–32

A rare cause of spinal cord compression in childhood from intraspinal mesenchymal chondrosarcoma. A report of two cases and review of the literature. Chan HS, et al. **Neuroradiology** 1984;26(4):323–7

Primary vertebral tumours in children. Report of 20 cases with brief literature review. Kozlowski K, et al. **Pediatr Radiol** 1984;14(3):129–39

Case report 242. Hemangioma of the T6 vertebra with a compression fracture, extradural block and spinal cord compression. Greenspan A, et al. **Skeletal Radiol** 1983; 10(3):183–8

Multiple myeloma: early vertebral involvement assessed by computerised tomography. Solomon A, et al. **Skeletal Radiol** 1984;11(4):258–61

Spinal Ewing sarcoma: misleading appearances. Weinstein JB, et al. **Skeletal Radiol** 1984;11(4):262–5

[Tumors of the pelvic and lumbosacral bones in the CT picture] Bozděch Z, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jun;51(3):183–6 (Eng. Abstr.) **(Cze)**

[Solitary spinal plasmacytoma] Feldmann JL, et al. **Ann Med Interne (Paris)** 1984;135(4):259–64 (Eng. Abstr.) **(Fre)**

[Computer tomographic findings in sacral destruction] Heller M, et al. **Computertomographie** 1981 Jun;1(2):74–9 (Eng. Abstr.) **(Ger)**

[Cause of hydronephrosis?] Wimmer B, et al. **Radiologe** 1983 Aug;23(8):387–8 **(Ger)**

[Value of spinal computed tomography in the early diagnosis of spinal osteoid osteoma] Forst R, et al. **ROFO** 1984 Jan; 140(1):100–2 **(Ger)**

[Preoperative CT diagnosis in tumorous destructions of the spine] Crone-Münzebrock W, et al. **Unfallheilkunde** 1983 Oct;86(10):445–9 (Eng. Abstr.) **(Ger)**

[Diagnostic problems of spinal tumors in childhood and adolescence] Neumärker KJ, et al. **Zentralbl Neurochir** 1984;45(1):40–54 (Eng. Abstr.) **(Ger)**

[4th generation computed axial tomography in non-traumatic vertebral pathology (study of 40 cases)] Boccanera L, et al. **Arch Putti Chir Organi Mov** 1983;33:23–34 (Eng. Abstr.) **(Ita)**

[Neuroradiology of primary and secondary spinal tumors] Cecchini A, et al. **Minerva Med** 1984 May 31; 75(22–23):1345–54 (Eng. Abstr.) **(Ita)**

[A very frequent radiologic sign in dorsolumbar localization of chordoma: increase in the interpeduncular distance] Albisinni U, et al. **Radiol Med (Torino)** 1983 Jun; 69(6):439–41 (Eng. Abstr.) **(Ita)**

[Solitary extra-osseous plasmacytoma: a case of extradural localization in the dorsal spine] Cavalli F, et al. **Radiol Med (Torino)** 1983 Sep;69(9):672–3 **(Ita)**

[Radiological evaluation of bone changes in Hodgkin's disease] Bem Z. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):299–302 (Eng. Abstr.) **(Pol)**

[Bone changes in Hodgkin's disease] Marciński A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):303–9 (Eng. Abstr.) **(Pol)**

[Osteoid osteoma of the pedicle of the third cervical vertebra arch] Nikitin MN, et al. **Ortop Travmatol Protez** 1983 Sep; (7):60 **(Rus)**

RADIONUCLIDE IMAGING

Bone scintigraphy in the preoperative evaluation of osteoid osteoma and osteoblastoma of the spine. Papanicolaou N, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):104–10 **(Eng, Fre)**

Hemangioma with consumptive coagulopathy (Kasabach-Merritt syndrome) detection by indium-111 oxine-labeled platelets. Schmidt RP, et al. **Clin Nucl Med** 1984 Jul;9(7):389–91

Multiple-view scintigraphy for localization of osteoid osteoma. Hoefnagel CA, et al. **Diagn Imaging** 1983; 52(5):280–3

RADIOTHERAPY

The dosimetry of a single 'hockey stick' portal for treatment of tumors of the cranio-spinal axis. Glasgow GP, et al. **Med Phys** 1983 Sep-Oct;10(5):672–5

SECONDARY

Medulloblastomas with metastases outside the nervous system. Constans JP, et al. **Acta Neurol (Napoli)** 1984 Feb; 6(1):25–31

Palliative surgery in epidural malignant tumour. Hermodsson S, et al. **Acta Orthop Scand** 1983 Oct;54(5):768–71

Metastatic basal cell carcinoma: review of the literature and report of three cases. Smith JM, et al. **Ann Plast Surg** 1983 Dec;11(6):551–3

Spinal metastases. A rare mode of presentation of brain tumors. Pezeshkpour GH, et al. **Cancer** 1984 Jul 15; 54(2):353–6

Spinal computed tomography scanning in the evaluation of metastatic disease. Redmond J 3d, et al. **Cancer** 1984 Jul 15;54(2):253–8

Vertebral body resection in the treatment of cancer involving the spine. Sundaresan N, et al. **Cancer** 1984 Mar 15; 53(6):1393–6

Management of spinal epidural metastases. Slatkin NE, et al. **Clin Neurosurg** 1983;30:698–716

Lumbosacral epidural metastases: CT evaluation and comparison with myelography. Anand AK, et al. **Comput Radiol** 1983 Nov-Dec;7(6):351–4

Failure at distant sites following multimodality treatment for advanced head and neck cancer. Vikram B, et al. **Head Neck Surg** 1984 Jan–Feb;6(3):730–3

Leiomyomatosis metastasizing to the spine. A case report. Gatti JM, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1163–5

Leiomyomatosis metastasizing to the spine [letter] Paley D, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):630

Spinal cord compression by metastatic testicular embryonal carcinoma. Deb HK, et al. **J Indian Med Assoc** 1983 Nov; 81(9–10):168–70

Treatment of metastatic spinal cord compression: an unsettled issue. Vijayakumar S. **J Natl Med Assoc** 1984 Mar; 76(3):297–8, 303

Metastatic carcinoid tumour compressing the cauda equina [letter] Ansink BJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):652

Prognostic factors in the management of metastatic epidural spinal cord compression. Tang SG, et al. **J Neurooncol** 1983;1(1):21–8

Spinal metastases of basal cell carcinoma. Weshler Z, et al. **J Surg Oncol** 1984 Jan;25(1):28–33

Blastic variants of rat promyelocytic leukemia produce neurologic disease. Brox A, et al. **Leuk Res** 1984;8(1):81–6

Successful surgical decompression of spinal extradural metastases of liposarcoma. Bogoch ER, et al. **Spine** 1983 Apr;8(3):228–35

Computed tomographic demonstration of spinal metastases. Braunstein EM, et al. **Spine** 1983 Nov-Dec;8(8):912–5

[Subarachnoid spinal metastases. Apropos of 2 cases] Lesoin F, et al. **Sem Hop Paris** 1983 Sep 22;59(33):2343–5 (Eng. Abstr.) **(Fre)**

[Cause of increased focal uptake in the cervical vertebrae in skeletal scintigraphic routine studies] Büll U, et al. **Rontgenblatter** 1983 Sep;36(9):305–9 (Eng. Abstr.) **(Ger)**

[Significance of the venous system of the spine in the formation of metastases] Gowin W. **Strahlentherapie** 1983 Nov;159(11):682–9 (Eng. Abstr.) **(Ger)**

[Malignant meningioma with extracranial metastasis] Ishikura A, et al. **Gan No Rinsho** 1983 Dec;29(15):1767–71 (Eng. Abstr.) **(Jpn)**

[A case of synovial sarcoma with bone metastasis identified by bone marrow scintigraphy] Otsuka N, et al. **Kaku Igaku** 1984 Apr;21(4):371–5 **(Jpn)**

[A case of spinal extradural metastasis presenting diverse intramedullary spinal cord lesions. Consideration on their pathogenesis] Yoshinaga T, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):300–6 (Eng. Abstr.) **(Jpn)**

[Cure of tetraplegia caused by metastasis of inoperable breast cancer to the spine] Kardaszewicz E, et al. **Przegl Lek** 1984; 41(4):351–2 **(Pol)**

[Orthopedic treatment in metastasis of malignant tumors to the bodies of lower thoracic and lumbar vertebrae] Iumashev GS, et al. **Sov Med** 1984;(3):100–2 **(Rus)**

SURGERY

Abdominosacral resection for malignant tumors of the sacrum. Huth JF, et al. **Am J Surg** 1984 Jul;148(1):157–61

Combined approach to 'dumbbell' intrathoracic and intraspinal neurogenic tumors. Grillo HC, et al. **Ann Thorac Surg** 1983 Oct;36(4):402–7

A case report of pathological rule-governed syllable intrusion. Van Lancker DR, et al. **Brain Lang** 1983 Sep; 20(1):12–20

Spinal instability due to malignant disease. Treatment by segmental spinal stabilization. Flatley TJ, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):47–52

Surgical treatment of giant-cell tumor of the spine. The experience at the Istituto Ortopedico Rizzoli. Savini R, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1283–9

Osteoid osteoma and benign osteoblastoma of the spine. Clinical presentation and treatment. Kirwan EO, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):21–6

Distraction rod stabilization in the treatment of metastatic carcinoma. Cusick JF, et al. **J Neurosurg** 1983 Nov; 59(5):861–6

An anterior surgical approach to the upper thoracic vertebrae. Sundaresan N, et al. **J Neurosurg** 1984 Oct; 61(4):686–90

Harrington rod stabilization for pathological fractures of the spine. Sundaresan N, et al. **J Neurosurg** 1984 Feb; 60(2):282–6

Removal of neuroblastoma cells from bone marrow with monoclonal antibodies conjugated to magnetic microspheres. Treleaven JG, et al. **Lancet** 1984 Jan 14; 1(8368):70–3

Primary spinal chondrosarcoma with eighteen-year follow-up: case report and literature review. Hirsh LF, et al. **Neurosurgery** 1984 Jun;14(6):747–9

Chordoma. Hansen PH, et al. **Spine** 1983 Oct;8(7):802–3
[Excision of vertebral tumors] Song XW, et al. **Bull Acad Natl Med (Paris)** 1983 Jun;167(6):613–7 **(Fre)**
[Benign osteoblastoma in children. Apropos of 8 cases, 4 with spinal localization] Lepage J, et al. **Rev Chir Orthop** 1984; 70(2):117–27 (Eng. Abstr.) **(Fre)**
[Harrington stabilization in incurable spinal tumors] Hellinger J, et al. **Beitr Orthop Traumatol** 1984 Feb;31(2):75–83 (Eng. Abstr.) **(Ger)**
[Tumors of the cervical spine] Hamel E, et al. **Nervenarzt** 1984 Jun;55(6):285–92 **(Ger)**
[Palliative surgery for metastases to the cervical spine] Shifrin L, et al. **Harefuah** 1983 May 15;104(10):448–50 (Eng. Abstr.) **(Heb)**
[Harrington's fixation in disseminated malignancies in the spinal column] Amundsen SR, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1146–9 (Eng. Abstr.) **(Nor)**

THERAPY

Vertebral hemangioma with compression fracture and paraparesis treated with preoperative embolization and vertebral resection. Graham JJ, et al. **Spine** 1984 Jan–Feb; 9(1):97–101
[Preoperative embolization in spinal pathology. Apropos of 21 cases] Chiras J, et al. **J Radiol** 1983 Jun–Jul; 64(6–7):397–403 (Eng. Abstr.) **(Fre)**
[Spinal cord compression caused by vertebral angioma during pregnancy. A case treated by embolization (letter)] Bouchez B, et al. **Presse Med** 1984 Jun 30;13(27):1696–7 **(Fre)**

SPINAL NERVE ROOTS

Lateral cervical facetectomy. The surgical pathology of radicular brachialgia. Mosdal C, et al. **Acta Neurochir (Wien)** 1984;70(3–4):199–205
Forward elevation and leg extension in diagnosis of nerve root compression [letter] Sadjadpour K. **Arch Neurol** 1984 Feb;41(2):138
Observations on the application of electrophysiological methods in the diagnosis of cervical root compressions. Tackmann W, et al. **Eur Neurol** 1983;22(6):397–404
Long-term results in 102 cases of cervical myeloradiculopathy operated on for spondylosis and disc herniation. Reale F. **Ital J Neurol Sci** 1983 Sep;4(3):291–6
Osteoid osteoma of the neck of the femur simulating the lumboradicular syndrome (2 case reports). Ippolito E, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):497–500
Cervical radiculopathy: the diagnosis and treatment of pathomechanics in the cervical spine. Carrick FR. **J Manipulative Physiol Ther** 1983 Sep;6(3):129–37
Lumbar nerve root compression by synovial cysts of the ligamentum flavum. Report of four cases. Abdullah AF, et al. **J Neurosurg** 1984 Mar;60(3):617–20
Intraradicular herniated lumbar disc. Case report. Barberá J, et al. **J Neurosurg** 1984 Apr;60(4):858–60
Diabetic polyradiculopathy simulating lumbar disc disease. Report of four cases. Hirsh LF. **J Neurosurg** 1984 Jan; 60(1):183–6
Laser effect on spinal cord [letter] Nashold BS Jr, et al. **J Neurosurg** 1984 Apr;60(4):870
Laser-induced dorsal root entry zone lesions for pain control [letter] Powers SK. **J Neurosurg** 1984 Apr;60(4):871–2
Laser-induced DREZ lesions [letter] Sindou M. **J Neurosurg** 1984 Apr;60(4):870–1
Posterior-lateral foraminotomy as an exclusive operative technique for cervical radiculopathy: a review of 846 consecutively operated cases. Henderson CM, et al. **Neurosurgery** 1983 Nov;13(5):504–12
Lumbar disc hernia secondary to gunshot injury. Mariottini A, et al. **Neurosurgery** 1984 Jul;15(1):73–5
Radiculomyelopathy associated with herpes simplex genitalis treated with adenosine arabinoside. Handler CE, et al. **Postgrad Med J** 1983 Jun;59(692):388–9
Dermatomal somatosensory evoked potentials: their use in lumbar radiculopathy. Dvonch V, et al. **Spine** 1984 Apr; 9(3):291–3
Lumbar nerve root: the enigmatic eponyms. Dyck P. **Spine** 1984 Jan–Feb;9(1):3–6
The surgical treatment of nerve root compression caused by scoliosis of the lumbar spine. San Martino A, et al. **Spine** 1983 Apr;8(3):261–5
Primary osteosarcoma of the cervical spine causing neurological symptoms. Gandolfi A, et al. **Surg Neurol** 1984 May;21(5):441–4
Cervical radiculomyelopathy due to calcification of the ligamenta flava. Nakajima K, et al. **Surg Neurol** 1984 May; 21(5):479–88
Diagnosis of sacral perineural cysts by nuclear magnetic resonance. Rodziewicz GS, et al. **Surg Neurol** 1984 Jul; 22(1):50–2
[Lateral bony entrapment of lumbosacral nerve roots] Fidler MW. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1369–73 **(Dut)**
[Diabetic radiculopathy causing severe abdominal pain] Härkönen M, et al. **Duodecim** 1984;100(1):39–41 **(Fin)**
[Myelographic diagnosis of radiculomeningeal metastases of carcinomas. Apropos of 10 cases] Cauquil P, et al. **J Radiol** 1983 Nov;64(11):607–13 (Eng. Abstr.) **(Fre)**
[Sciatic foramina radiculalgia. Apropos of 16 cases] Pinel B, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep; 50(8–9):603–6 (Eng. Abstr.) **(Fre)**
[Computed tomography in lumbar degenerative disease] Isu T, et al. **No To Shinkei** 1984 Feb;36(2):113–20 (Eng. Abstr.) **(Jpn)**
[Case of the early stage of cardiospasm treated with epidural novocaine blockade] Dimitrov V, et al. **Khirurgiia (Sofiia)** 1983;36(6):569–70 **(Rus)**
[Local (vital-point) vibration massage in the treatment of patients with neurological manifestations of cervical osteochondrosis] Golosova LO. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):14–7 (Eng. Abstr.) **(Rus)**
[Clinical significance of the Achilles reflex in lumbar radiculopathy] Zamurović A, et al. **Med Pregl** 1983; 36(7–8):337–9 (Eng. Abstr.) **(Scr)**
[The lateral recess syndrome in the lumbosacral region, neurological and neuroradiological signs] Mihale J. **Cesk Neurol Neurochir** 1983 Nov;46(6):391–4 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Anomalies of the lumbosacral nerve roots. An anatomical investigation and myelographic study. Kadish LJ, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):411–6
'Conjoined' nerve roots: a requirement for computed tomographic and myelographic correlation for diagnosis. Gebarski SS, et al. **Neurosurgery** 1984 Jan;14(1):66–8
Anomalous exit of the C-6 nerve root via the C-6, C-7 foramen. Rosner MJ, et al. **Neurosurgery** 1984 Jun; 14(6):740–3
Anomalies of the lumbosacral nerve roots. Review of 16 cases and classification. Neidre A, et al. **Spine** 1983 Apr; 8(3):294–9
[Conjoined lumbosacral nerve roots] Mikkola J, et al. **Duodecim** 1984;100(9):553–6 (Eng. Abstr.) **(Fin)**
[Anomalies of emergence of lumbosacral nerve roots: myelographic diagnosis and surgical correlations] Babin E, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):295–305 (Eng. Abstr.) **(Fre)**
[Congenital anomalies at the emergence of lumbosacral roots] Matge G, et al. **Neurochirurgie** 1984;30(1):35–40 (Eng. Abstr.) **(Fre)**

ANALYSIS

Projections of hindlimb dorsal roots to lumbosacral spinal cord of cat. Culberson JL, et al. **J Neurophysiol** 1984 Mar; 51(3):516–28

ANATOMY & HISTOLOGY

Regrowth of anastomosed ventral root nerve fibers in the dorsal root of rats. Carlstedt T. **Brain Res** 1983 Aug 1; 272(1):162–5
Primary afferent projections from dorsal and ventral roots to autonomic preganglionic neurons in the cat sacral spinal cord: light and electron microscopic observations. Mawe GM, et al. **Brain Res** 1984 Jan 2;290(1):152–7
Morphologic evidence for fiber sorting in the fasciculus cuneatus. Culberson JL, et al. **Exp Neurol** 1984 Aug; 85(2):358–70
Spinal innervation of flexor hallucis longus in the cat. Eldridge L. **Exp Neurol** 1984 Jan;83(1):187–92
Internodal length in ventral roots of bovine spinal nerves varies independently of fibre calibre. Tuczinski HJ, et al. **J Anat** 1984 May;138 (Pt 3):423–33
Electron microscopic and immunohistochemical evidence that unmyelinated ventral root axons make u-turns or enter the spinal pia mater. Risling M, et al. **J Comp Neurol** 1984 May 1;225(1):53–63
Electron microscopic serial section analysis of nodes of Ranvier in lumbar spinal roots of the cat: a morphometric study of nodal compartments in fibres of different sizes. Rydmark M, et al. **J Neurocytol** 1983 Aug;12(4):537–65
Relations between axon length and axon caliber. 'Is maximum conduction velocity the factor controlling the evolution of nerve structure'? Friede RL, et al. **J Neurol Sci** 1984 Mar;63(3):369–80
Nerve root canals of the lumbar spine. Bose K, et al. **Spine** 1984 Jan–Feb;9(1):16–8
Anatomy and significance of fixation of the lumbosacral nerve roots in sciatica. Spencer DL, et al. **Spine** 1983 Sep; 8(6):672–9
Variations in the pattern of muscle innervation by the L5 and S1 nerve roots. Young A, et al. **Spine** 1983 Sep; 8(6):616–24
[Numbering of the dorsal spinal nerve roots in man from the 12th thoracic nerve to the coccygeal nerve] Prat D, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):331–6 (Eng. Abstr.) **(Fre)**
[Radicular myelin transition. Lumbosacral study in 3 species of domestic animals] Rodríguez-Veiga E, et al. **Arch Neurobiol (Madr)** 1983 Mar–Apr;46(2):115–22 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Effects of sciatic nerve resection on L7 spinal roots and dorsal root ganglia in adult cats. Risling M, et al. **Exp Neurol** 1983 Dec;82(3):568–80
Do the dorsal efferent and ventral afferent fibers exist in the L6 spinal nerve roots in the rat? Hiura A. **Fukushima J Med Sci** 1982;28(3–4):77–81
Counts of axons in electron microscopic sections of ventral roots in lampreys. Rovainen CM, et al. **J Comp Neurol** 1984 May 20;225(3):433–40
The development of the cervical spinal cord of the mouse embryo. I. A Golgi analysis of ventral root neuron differentiation. Wentworth LE. **J Comp Neurol** 1984 Jan 1;222(1):81–95
The relationship of dorsal root afferents to motoneuron somata and dendrites in the adult bullfrog: a light and electron microscopic study using horseradish peroxidase. Liuzzi FJ, et al. **Neuroscience** 1984 Apr;11(4):951–61

DRUG EFFECTS

[Changes in the reflex discharges and electrotonic potentials of spinal nerve roots in the rat upon exposure to biologically active substances] Abramets II, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1433–40 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Cell clusters on rat ventral roots: postnatal development. Fraher JP, et al. **J Anat** 1983 Oct;137 (Pt 3):555–71

INJURIES

Large paracervical meningocele due to lesion of cervical spinal nerve roots. Jakobsen H, et al. **Acta Chir Scand** 1983; 149(5):537–9
Spectrophotometry of cerebral cytochrome a, a3 in bloodless rats. Piantadosi CA, et al. **Brain Res** 1984 Jul 2;305(1):89–94
Computed tomography of acute spinal epidural hematoma associated with cervical root avulsion. Kaiser MC, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):322–3
Thoracic radiculopathy related to collapsed thoracic vertebral bodies. Liveson JA. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):404–6
Laser-induced dorsal root entry zone lesions for pain control. Report of three cases. Levy WJ, et al. **J Neurosurg** 1983 Nov;59(5):884–6
Birth palsy: natural recovery course and combined root avulsion. Tada K, et al. **J Pediatr Orthop** 1984 May; 4(3):279–84
Effects of crush injury on the abnormalities in the spinal roots and peripheral nerves of dystrophic mice. Bray GM, et al. **Muscle Nerve** 1983 Sep;6(7):497–503
Use of an anal sphincter pressure monitor during operations on the sacral spinal cord and nerve roots. Pang D, et al. **Neurosurgery** 1983 Nov;13(5):562–8

METABOLISM

Myelin proteins and collagen in the spinal roots and sciatic nerves of muscular dystrophic mice. John HA, et al. **J Neurol Sci** 1984 Jul;65(1):69–80

PATHOLOGY

Percutaneous biopsy of a metastatic spinal nerve root nodule in a child. Stanley P, et al. **AJNR** 1984 Jul–Aug;5(4):427–8
Von Hippel–Lindau syndrome with microscopic hemangioblastomas of the spinal nerve roots. Case report. Ismail SM, et al. **J Neurosurg** 1984 Jun;60(6):1279–81
Glial bundles in spinal nerve roots: a form of isomorphic gliosis at the junction of the central and peripheral nervous system. Ghatak NR. **Neuropathol Appl Neurobiol** 1983 Sep–Oct;9(5):391–401
Anatomic and clinical studies of radicular symptoms. Kikuchi S, et al. **Spine** 1984 Jan–Feb;9(1):23–30
The relationship of structural pathology to the nerve root. Kirkaldy-Willis WH. **Spine** 1984 Jan–Feb;9(1):49–52
Pathoanatomy and pathophysiology of nerve root compression. Rydevik B, et al. **Spine** 1984 Jan–Feb; 9(1):7–15 (73 ref.)

PHYSIOLOGY

Heterogeneous regeneration of motor fibers following union of the ventral and the dorsal roots in frogs. Tornai I, et al. **Acta Biol Hung** 1983;34(1):45–53
Changes in segmental reflexes following chronic spinal cord hemisection in the cat. II. Conditioned monosynaptic test reflexes. Hultborn H, et al. **Acta Physiol Scand** 1983 Dec; 119(4):423–33
Changes in segmental reflexes following chronic spinal cord hemisection in the cat. I. Increased monosynaptic and polysynaptic ventral root discharges. Hultborn H, et al. **Acta Physiol Scand** 1983 Dec;119(4):405–22
Time course of segmental reflex changes after chronic spinal cord hemisection in the rat. Malmsten J. **Acta Physiol Scand** 1983 Dec;119(4):435–43
Surface recording of the spinal ventral root discharge in man. An experimental study. Ratto S, et al. **Brain** 1983 Dec;106 (Pt 4):897–909
Invasion of lumbosacral ventral roots and spinal pia mater by substance P-immunoreactive axons after sciatic nerve lesion in kittens. Risling M, et al. **Brain Res** 1984 Jul 30; 307(1–2):351–4
Mechanical changes in the amphibian spinal cord produced by afferent volleys of nerve impulses. Tasaki I, et al. **Brain Res** 1984 Jun 3;301(2):265–72
Effects of impulse frequency, PTP, and temperature on responses elicited in large populations of motoneurons by impulses in single Ia-fibers. Lüscher H, et al. **J Neurophysiol** 1983 Nov;50(5):1045–58

The synaptic current evoked in cat spinal motoneurones by impulses in single group 1a axons. Finkel AS, et al. **J Physiol (Lond)** 1983 Sep;342:615–32

Activation of central neurons by ventral root afferents. Chung JM, et al. **Science** 1983 Nov 25;222(4626):934–5

The electrodiagnostic evaluation of nerve root function. Haldeman S. **Spine** 1984 Jan–Feb;9(1):42–8

The effect of intervertebral disc space narrowing on the contact force between the nerve root and a simulated disc protrusion. Spencer DL, et al. **Spine** 1984 May–Jun; 9(4):422–6

[Electric responses of anterior roots during stimulation of bulbar pyramids and the labyrinth in animals with a denervated limb] Serdiuchenko IIa, et al. **Fiziol Zh** 1983 Nov–Dec;29(6):679–83 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Dermatomally stimulated somatosensory cerebral evoked potentials in the clinical diagnosis of lumbar disc disease. Green J, et al. **Clin Electroencephalogr** 1983 Jul; 14(3):152–60

The value and limits of the H reflex as a diagnostic tool in S1 root compression. Troni W. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):471–80

Invasion of the L7 ventral root and spinal pia mater by new axons after sciatic nerve division in kittens. Risling M, et al. **Exp Neurol** 1984 Jan;83(1):84–97

Dorsal root entry zone lesions for the treatment of post-herpetic neuralgia. Friedman AH, et al. **J Neurosurg** 1984 Jun;60(6):1258–62

The natural history of root entrapment syndrome. Porter RW, et al. **Spine** 1984 May–Jun;9(4):418–21

RADIOGRAPHY

The symptomatic complications of iopamidol (Niopam) and metrizamide (Amipaque) following lumbar radiculography. Stoddart PG, et al. **Br J Radiol** 1984 Apr;57(676):349–50

Radiculography with non-ionic contrast medium: routine bed rest is unnecessary. Macpherson P, et al. **Clin Radiol** 1984 Jul;35(4):287–8

Role of stenosis of spinal canal in L4–L5 nerve root compression assessed by flexion–extension myelography. Wilmink JT, et al. **Neuroradiology** 1984;26(3):173–81

Role of computed tomography in the radiological evaluation of painful radiculopathy after negative myelography: foraminal neural entrapment. Osborne DR, et al. **Neurosurgery** 1984 Feb;14(2):147–53

[Diagnosis of lumbar disc lesions by lumbosacral-radiculography with water soluble contrast media] Zhang FC. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov; 17(4):257–60 (Eng. Abstr.) **(Chi)**

[Myeloradiculography with iopamidol and metrizamide. Comparative study] Bohutová J, et al. **Cesk Radiol** 1984 Feb;38(1):23–7 (Eng. Abstr.) **(Cze)**

[Experience with iopamidol in myeloradiculography] Bohutová J, et al. **Cesk Radiol** 1984 Feb;38(1):14–22 (Eng. Abstr.) **(Cze)**

[Iopamidol: a complementary study in 42 patients with pathology indicating the need for myeloradiculography] Fredy D. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):793–6 (Eng. Abstr.) **(Fre)**

[Radioclinical study of a new contrast medium in radiculography and myelography. Apropos of 100 tests using iopamidol] Guyon JC, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):797–800 (Eng. Abstr.) **(Fre)**

[Irradiation of the patient and its costs in the usual diagnostic procedures for disk hernia. Radiculography, spinal phlebography and tomodensitometry] Gasquet C, et al. **J Radiol** 1983 Aug–Sep;64(8–9):459–64 (Eng. Abstr.) **(Fre)**

[Comparative study of computed x-ray tomography and saccoradiculography in the diagnosis of early lumbar disk herniation. Apropos of 50 surgically-proven cases] Le Gall R, et al. **J Radiol** 1984 Mar;65(3):165–72 (Eng. Abstr.) **(Fre)**

[Streptococcal meningitis following radiculography with metrizamide (letter)] Vittecoq D, et al. **Presse Med** 1984 Jun 30;13(27):1696 **(Fre)**

[Results of radiculomyelography with dimer-X following lumbar intervertebral disk operations] Bretschneider T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jan; 36(1):18–25 (Eng. Abstr.) **(Ger)**

[Saccoradiculography under strain in the diagnosis of lumbar disk hernia] Cavina C, et al. **Arch Putti Chir Organi Mov** 1983;33:43–50 (Eng. Abstr.) **(Ita)**

[Indications for saccoradiculography in the diagnosis of posterior hernia of the lumbar disk] Esposito L, et al. **Arch Putti Chir Organi Mov** 1983;33:35–41 (Eng. Abstr.) **(Ita)**

[Complication deriving from a second sacco-radiculography with dimer-X (clinico-statistical study of 95 cases)] Grasso A, et al. **Arch Putti Chir Organi Mov** 1983;33:51–5 (Eng. Abstr.) **(Ita)**

[Usefulness of radiculography in the differential diagnosis of disease syndromes in the lower segment of the vertebral canal in children] Ciesielski T, et al. **Neurol Neurochir Pol** 1983 May–Jun;17(3):335–42 (Eng. Abstr.) **(Pol)**

[Study of a female patient with cysts of the spinal root sheaths] Sulla I, et al. **Cesk Radiol** 1984 Feb;38(1):42–5 (Eng. Abstr.) **(Slo)**

SURGERY

Reactivation of type 2 herpes simplex virus by thoracolumbar neurosurgery. Haverkos HW, et al. **Ann Intern Med** 1984 Oct;101(4):503–4

Percutaneous radiofrequency glossopharyngeal rhizotomy for cancer pain. Pagura JR, et al. **Appl Neurophysiol** 1983; 46(1–4):154–9

Percutaneous radiofrequency spinal rhizotomy. Pagura JR. **Appl Neurophysiol** 1983;46(1–4):138–46

Scoliosis caused by section of dorsal spinal nerve roots. Pincott JR, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):27–9

Neck tongue syndrome: operative management. Elisevich K, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):407–9

Cervical spondylotic radiculo-myelopathy in patients with athetoid-dystonic cerebral palsy: clinical evaluation and surgical treatment. Hirose G, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):775–80

Calcium pyrophosphate dihydrate deposits in the cervical ligamenta flava causing myeloradiculopathy. Nagashima C, et al. **J Neurosurg** 1984 Jan;60(1):69–80

Percutaneous radiofrequency foramenal rhizotomies. Herz DA, et al. **Spine** 1983 Oct;8(7):729–32

The role of surgery in nerve root compression. Tile M. **Spine** 1984 Jan–Feb;9(1):57–64

Microcervical foraminotomy. A surgical alternative for intractable radicular pain. Williams RW. **Spine** 1983 Oct; 8(7):708–16

Lumbar disk. Surgical tricks for safeguarding the 'root's ecology'. de Divitiis E, et al. **Surg Neurol** 1984 Jul; 22(1):73–5

[Results of surgical treatment of myeloradiculopathy caused by cervicarthrosis. Apropos of 1000 surgically treated patients] Jomin M, et al. **LARC Med** 1983 Nov;3(9):613–7 (Eng. Abstr.) **(Fre)**

[Role of surgical decompression by the anterior approach in myeloradiculopathies caused by cervical arthrosis. Apropos of 850 cases] Lesoin F, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2669–77 (Eng. Abstr.) **(Fre)**

[Neurosurgical methods for the alleviation of pain] Siegfried J. **Orthopade** 1984 Jun;13(3):241–3 **(Ger)**

[Microsurgery of the spinal cord in the treatment of pain] Esposito S. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):239–50 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

A quantitative study of microtubules in motor and sensory axons. Pannese E, et al. **Acta Anat (Basel)** 1984; 118(4):193–200

Changes with age in the number and size of myelinated axons in the rat L4 dorsal spinal root. Rao RS, et al. **Acta Anat (Basel)** 1983;117(3):187–92

So-called glandular schwannoma: ependymal differentiation in a case. DeSchryver K, et al. **Ultrastruct Pathol** 1984; 6(2–3):167–75

SPINAL NERVES

Neurinoma of spinal accessory nerve. Report of two cases. Julow J. **Acta Neurochir (Wien)** 1983;69(3–4):219–24

Spinal cord infarction: another cause of 'lumbosacral polyradiculopathy'. Levin KH, et al. **Neurology (NY)** 1984 Mar;34(3):389–90

The noncerebrovascular complications of chiropractic manipulation. Schmidley JW, et al. **Neurology (NY)** 1984 May;34(5):684–5

Role of computed tomography in the radiological evaluation of painful radiculopathy after negative myelography: foraminal neural entrapment. Osborne DR, et al. **Neurosurgery** 1984 Feb;14(2):147–53

ABNORMALITIES

[The 1st bundle of the levator scapulae innervated by an aberrant branch of the 2nd dorsal cervical ramus] Yamasaki M, et al. **Kaibogaku Zasshi** 1983 Apr;58(2):51–8 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

An analysis of the sensory innervation of the urinary system in the rat. Donovan MK, et al. **Brain Res Bull** 1983 Sep; 11(3):321–4

On the organization of the thoracic spinal ganglion and nerve in the rat. Ygge J. **Exp Brain Res** 1984;55(3):395–401

Sensory innervation of the rat portal vein and the hepatic artery. Barja F, et al. **J Auton Nerv Syst** 1984 Apr; 10(2):117–25

Central projections of the brachial nerve in bullfrogs: muscle and cutaneous afferents project to different regions of the spinal cord. Jhaveri S, et al. **J Comp Neurol** 1983 Dec 10; 221(3):304–12

Structure of dorsal branches of spinal nerves in the human fetus, neonate, and adult. Sergeev AI. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):14–8

[Spinal nerves of the female shark (Mustelus manazo) innervating the abdominal pterygial region of the body trunk and their comparison with the nerves to the abdomen and tail] Tanaka S, et al. **Kaibogaku Zasshi** 1983 Jun; 58(3):129–42 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Contralateral motoneuron dendritic changes induced by transection of frog spinal nerves. Rosenthal BM, et al. **Exp Neurol** 1984 Sep;85(3):565–73

DRUG EFFECTS

Stereoselective effects of two phencyclidine derivatives on N-methylaspartate excitation of spinal neurones in the cat and rat. Berry SC, et al. **Eur J Pharmacol** 1983 Dec 23; 96(3–4):261–7

Rabbit sural nerve responses to chronic treatment with thalidomide and supidimide. Schwab BW, et al. **Muscle Nerve** 1984 Jun;7(5):362–8

Phenol solutions differentially block conduction in cutaneous nerve fibers of the cat. Dodt HU, et al. **Neurosci Lett** 1983 Dec 11;42(3):323–7

Effects of gamma-aminobutyrate and bicuculline on primary afferent depolarization of cutaneous fibres in the cat spinal cord. Gmelin G, et al. **Neuroscience** 1983 Nov;10(3):869–74

IMMUNOLOGY

Sural nerve immune deposits in polyneuropathy as a remote effect of malignancy. Ongerboer de Visser BW, et al. **Ann Neurol** 1983 Sep;14(3):261–6

INJURIES

Effect of nerve section on the spinal distribution of neighboring nerves. Seltzer Z, et al. **Brain Res** 1984 Jul 23;306(1–2):31–7

Results of nerve grafting in severe soft tissue injuries. Beazley WC, et al. **Clin Orthop** 1984 Sep;(188):208–12

PATHOLOGY

Sensory loss from whole sural nerve biopsy [letter] Stevens JC, et al. **Ann Neurol** 1983 Oct;14(4):493–4

Pathological study of the sural nerve in Fabry's disease. Gemignani F, et al. **Eur Neurol** 1984;23(3):173–81

Sural nerve biopsy in leprosy patients after varying periods of treatment: histopathological and bacteriological findings on light microscopy. Haimanot RT, et al. **Int J Lepr** 1984 Jun;52(2):163–70

Histopathological evaluation of dog sacral nerve after chronic electrical stimulation for micturition. Yuen TG, et al. **Neurosurgery** 1984 Apr;14(4):449–55

[Nerve biopsy in periarteritis nodosa. Its diagnostic value. Apropos of 9 cases] Pagès M, et al. **Arch Anat Cytol Pathol** 1984;32(2):77–81 (Eng. Abstr.) **(Fre)**

[Neurinoma of the intracranial and intraspinal spinal nerve] Lesoin F, et al. **Neurochirurgie** 1984;30(4):249–53 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Peripheral control of the cat's step cycle. II. Entrainment of the central pattern generators for locomotion by sinusoidal hip movements during 'fictive locomotion.' Andersson O, et al. **Acta Physiol Scand** 1983 Jul; 118(3):229–39

Spinal reflex alterations as a function of intensity and frequency of vibration applied to the feet of seated subjects. Martin BJ, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):8–12

Deep innervation of sural nerve. Chang SC, et al. **Brain Res** 1983 Nov 21;279(1–2):262–5

Intrathecal apamin selectively facilitates activity in ascending axons of rat spinal cord evoked by stimulation of afferent C fibers in sural nerve. Jurna I, et al. **Brain Res** 1983 Nov 28;280(1):186–9

Reflex responses of human thigh muscles to non-noxious sural stimulation during stepping. Kanda K, et al. **Brain Res** 1983 Dec 12;288(1–2):378–80

Two different inhibitory effects on respiration by thin-fiber muscular afferents in cats. Kumazawa T, et al. **Brain Res** 1983 Aug 8;272(2):364–7

Segmental organization of rat lateral longissimus, a muscle involved in lordosis behavior: EMG and muscle nerve recordings. Schwartz-Giblin S, et al. **Brain Res** 1984 May 14;299(2):247–57

Swelling of frog dorsal root ganglion and spinal cord produced by afferent volley of impulses. Tasaki I, et al. **Brain Res** 1983 Aug 8;272(2):360–3

Inhibition of fast axonal transport in vitro by the local anesthetics prilocaine, mepivacaine, and bupivacaine. Lavoie PA. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1478–82

Peripheral and transcortical loops activated by electrical stimulation of the tibial nerve in the monkey. Rüegg DG, et al. **Exp Brain Res** 1983;50(2–3):293–8

Dynamics of neck-to-forelimb reflexes in the decerebrate cat. Ezure K, et al. **J Neurophysiol** 1983 Sep;50(3):688–95

Post-tetanic depression of spinal reflexes in the rabbit and the possible involvement of opioid peptides. Catley DM, et al. **J Physiol (Lond)** 1984 Jul;352:483–93

Ultrastructural morphometric studies on regeneration of the lateral sural cutaneous nerve in the white rat after transection of the sciatic nerve. Berthold CH, et al. **Scand J Plast Reconstr Surg [Suppl]** 1984;20:1–126

Directional specificity in the regeneration of lamprey spinal axons. Yin HS, et al. **Science** 1984 May 25;224(4651):894–6

[Correlation between conduction studies and morphometric

findings of sural nerves from 8 normal volunteers] Nagaki J, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):392–400 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Diagnostic value of peripheral and spinal somatosensory evoked potentials in traction lesions of the brachial plexus. Jones SJ. **Clin Plast Surg** 1984 Jan;11(1):167–72

Two-segment sural nerve conduction measurements in polyneuropathy. Kayed K, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):867–70

Painful hyperaesthesia following resection of the lateral cutaneous nerve of the thigh [letter] Nurmikko T, et al. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):320–1

Painful legs and moving toes: a syndrome with different physiopathologic mechanisms. Schoenen J, et al. **Neurology (NY)** 1984 Aug;34(8):1108–12

[Cardiovascular reflexes, vibration thresholds and electroneurography parameters of the peroneal and sural nerves in type 1 diabetics] Mayr N, et al. **Wien Klin Wochenschr** 1984 May 11;96(10):393–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Alar transverse process impingement of the L5 spinal nerve: the far-out syndrome. Wiltse LL, et al. **Spine** 1984 Jan–Feb; 9(1):31–41

TRANSPLANTATION

A new atraumatic and simple method of taking sural nerve grafts. Rindell K, et al. **Ann Chir Gynaecol** 1984;73(1):40–1

Vascularized sural nerve graft. Gilbert A. **Clin Plast Surg** 1984 Jan;11(1):73–7

Intercostal nerve transfer in brachial plexus injuries: an experimental study. Tomita Y, et al. **Microsurgery** 1983; 4(2):95–104

[Microsurgical method of transplantation of peripheral nerves] Kasprzak H, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):259–66 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Sural nerve biopsies from workers with a history of chronic exposure to organic solvents and from normal control cases. Morphometric and ultrastructural studies. Berthold CH, et al. **Acta Neuropathol (Berl)** 1983;62(1–2):73–86

Neurofilaments from ox spinal nerves. Isolation, disassembly, reassembly and cross-linking properties. Carden MJ, et al. **Biochem J** 1983 Nov 1;215(2):227–37

Fibrous long-spacing collagen in the perineurium of human sural nerve. Lehmann J. **Clin Neuropathol** 1983;2(3):134–7

[Giant-axon polyneuropathy (case report)] Badurska B, et al. **Neurol Neurochir Pol** 1983 May–Jun;17(3):367–71 (Eng. Abstr.) **(Pol)**

SPINAL OSTEOPHYTOSIS

Forestier's disease and lumbar stenosis [letter] Weisz GM. **Spine** 1983 Nov–Dec;8(8):919

[Medico-legal aspects of cervical spondylosis] Vidoni G. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:61–2 **(Ita)**

CLASSIFICATION

[Osteophytes and similar changes in the spine] de Carvalho A. **Ugeskr Laeger** 1984 Jan 2;146(1):4–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Hemidiaphragmatic paralysis: an unusual complication of cervical spondylosis. Buszek MC, et al. **Arch Phys Med Rehabil** 1983 Dec;64(12):601–3

Another report of diffuse idiopathic skeletal hyperostosis [letter] Mituszova M, et al. **Arthritis Rheum** 1984 Sep; 27(9):1074

Posterior column dysfunction in cervical spondylotic myelopathy. MacFadyen DJ. **Can J Neurol Sci** 1984 Aug; 11(3):365–70

Stenosis of the lumbar spinal canal in Forestier's disease. Weisz GM. **Int Orthop** 1983;7(1):61–4

Chronic lumbar pain due to a localised posterior osteophytic bar. Rinaldi E, et al. **Ital J Orthop Traumatol** 1983 Sep; 9(3):325–9

'Numb, clumsy hands' and high cervical spondylosis. Good DC, et al. **Surg Neurol** 1984 Sep;22(3):285–91

[Total arthroplasty of the hip. Periarticular ossifications and ankylosing vertebral hyperostosis (Forestier's disease)] Pilet F, et al. **Rev Chir Orthop** 1983;69(6):455–63 (Eng. Abstr.) **(Fre)**

[Acquired stenosis of the lumbar canal and vertebral hyperostosis] Arlet J, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):635–41 (Eng. Abstr.) **(Fre)**

[Role of cervical spondylosis in complicated angina pectoris] Botti G, et al. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:31–4 **(Ita)**

[Experience in surgery of cervical spondylotic myelopathy] Brizzi RE. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:45–6 **(Ita)**

[Cervical syndromes and cervical spondylosis] Rinaldi E. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:13–6 (Eng. Abstr.) **(Ita)**

[Clinical and therapeutic considerations in cervical spondylosis] Saginario M, et al. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:63–75 (84 ref.) **(Ita)**

[Cervical myelopathy with transient neurological deficits—a case report] Ikeda H, et al. **No Shinkei Geka** 1983 Jul; 11(7):757–62 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Degenerative arthritis of the cervical spine. Hirsh LF. **Compr Ther** 1984 Aug;10(8):8–13

Central cord lesions in cervical spondylotic myelopathy. Mossman SS, et al. **J Neurol** 1983;230(4):227–30

Intraoperative ultrasonic evaluation of spinal cord motion. Jokich PM, et al. **J Neurosurg** 1984 Apr;60(4):707–11

[Determination of urinary hydroxyproline in patients with systemic osteochondrosis] Bol'shakov SB, et al. **Lab Delo** 1983;(9):27–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Is cervical spondylosis an occupational hazard for urologists? Whitaker RH, et al. **Br J Urol** 1983 Dec;55(6):585–7

FAMILIAL & GENETIC

The genetic factor in cervical spondylosis. Palmer PE, et al. **Skeletal Radiol** 1984;11(3):178–82

PHYSIOPATHOLOGY

The effect of cervical mobility on the natural history of cervical spondylotic myelopathy. Barnes MP, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):17–20

[Origin of short latency somatosensory evoked potential following median nerve stimulation] Yasue M, et al. **No To Shinkei** 1984 Jun;36(6):535–41 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

The narrow cervical spinal canal. Soo YS, et al. **Australas Radiol** 1983 Jul;27(2):132–8

Value of x ray examinations of the cervical spine. Heller CA, et al. **Br Med J [Clin Res]** 1983 Oct 29; 287(6401):1276–8

Management of cervical spondylitic myelopathy [letter] Yu YL. **Lancet** 1984 Jul 21;2(8395):170–1

Cervical radiculopathy: computed tomography and myelography compared. Daniels DL, et al. **Radiology** 1984 Apr;151(1):109–13

Radiologic manifestations in alcaptonuria. Justesen P, et al. **Skeletal Radiol** 1984;11(3):204–8

[The spine and polytopic hyperostoses in gout and hyperuricemia] Štěpán J, et al. **Radiologe** 1983 Aug; 23(8):371–4 (Eng. Abstr.) **(Ger)**

[Radiodiagnosis of cervical spondylosis] Bassi P. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:5–12 **(Ita)**

REHABILITATION

[Orthopedic physiokinesitherapy of cervical spondylosis] Pisano F. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:57–60 **(Ita)**

SURGERY

Treatment of cervical disc disease using Cloward's technique. I. General results, effect of different operative methods and complications in 1,106 patients. Espersen JO, et al. **Acta Neurochir (Wien)** 1984;70(1–2):97–114

Treatment of cervical disc disease using Cloward's technique. III. Evaluation of cervical spondylotic myelopathy in 138 cases. Wohlert L, et al. **Acta Neurochir (Wien)** 1984; 71(1–2):121–31

Long-term results in 102 cases of cervical myeloradiculopathy operated on for spondylosis and disc herniation. Reale F. **Ital J Neurol Sci** 1983 Sep;4(3):291–6

'Open door' operation to raise the vertebral arch in myelopathy due to cervical spondylosis. Zanasi R, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):21–30

Surgical treatment of cervical spondylotic myelopathy complicating athetoid cerebral palsy. Nishihara N, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):504–8

Cervical spondylotic radiculo-myelopathy in patients with athetoid-dystonic cerebral palsy: clinical evaluation and surgical treatment. Hirose G, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):775–80

Cervical spondylotic myelopathy treated by single-stage multilevel anterior decompression. A prospective study. Mann KS, et al. **J Neurosurg** 1984 Jan;60(1):81–7

Autogeneic fat transplants in the epidural space in routine lumbar spine surgery. Bryant MS, et al. **Neurosurgery** 1983 Oct;13(4):367–70

Cervical myelopathy from dural substitute. Fisher WS 3d, et al. **Neurosurgery** 1983 Dec;13(6):715–7

Expansive open-door laminoplasty for cervical spinal stenotic myelopathy. Hirabayashi K, et al. **Spine** 1983 Oct; 8(7):693–9

[Treatment of degenerative disease of the cervical spine] Lebkowski J, et al. **Neurol Neurochir Pol** 1983 Jul–Aug; 17(4):503–9 **(Pol)**

[Clinical and radiological evaluation of cervical heterografts] López-Ferro MO, et al. **Rev Clin Esp** 1984 Mar 15; 172(5):271–6 (Eng. Abstr.) **(Spa)**

THERAPY

Management of cervical spondylotic myelopathy [editorial] **Lancet** 1984 May 12;1(8385):1058

VETERINARY

What is your diagnosis? Mineralization of the arteries in a dog. Sesline D, et al. **J Am Vet Med Assoc** 1984 Jan 15; 184(2):209–10

Studies on serum creatine phosphokinase isoenzyme. Seven cases of tetraplegia in the dog. Yasuda J, et al. **Jpn J Vet Res** 1983 Oct;31(3–4):115–23

SPINAL PUNCTURE

Chymopapain chemonucleolysis. A follow-up study of 100 consecutive cases. Declerck GM, et al. **Acta Orthop Belg** 1984 Jan–Feb;50(1):54–69

Which children with febrile seizures need lumbar puncture? A decision analysis approach. Joffe A, et al. **Am J Dis Child** 1983 Dec;137(12):1153–6

Blood is thicker than water (or CSF) [letter] Sternick CS, et al. **Anesthesiology** 1984 Sep;61(3):348–9

Lysis of erythrocytes and leukocytes in traumatic lumbar punctures. Chow G, et al. **Arch Neurol** 1984 Oct; 41(10):1084–5

Lumbar epidural injections in the treatment of sciatica. Klenerman L, et al. **Br J Rheumatol** 1984 Feb;23(1):35–8

Should lumbar puncture be routinely performed in patients with suspected bacteremia? Krishna V, et al. **J Natl Med Assoc** 1983 Dec;75(12):1153–7

[Treatment of lumbar disk hernias using chemonucleolysis] Menkes CJ, et al. **Rev Rhum Mal Osteoartic** 1982 Jul–Sep; 49(8–9):621–8 (Eng. Abstr.) **(Fre)**

[Effect of lumbar puncture on EEG] Said M, et al. **Kinderarztl Prax** 1983 May;51(5):235–7 (Eng. Abstr.) **(Ger)**

[Management of patients with severe brain injuries. Drainage of cerebrospinal fluid from the ventricles and administration of barbiturates] Tóth-Daru P, et al. **Orv Hetil** 1984 Mar 11;125(11):623–8 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

The effect of lumbar puncture position in sick neonates. Weisman LE, et al. **Am J Dis Child** 1983 Nov; 137(11):1077–9

Intracerebral hemorrhage after dural puncture and epidural blood patch: nonpostural and noncontinuous headache [letter] Benzon HT. **Anesthesiology** 1984 Mar;60(3):258–9

Fatal intracranial extension of spinal hemorrhage after lumbar puncture. Walsh MN, et al. **Arch Neurol** 1984 Sep; 41(9):987–9

Current practice of diagnostic lumbar puncture. Gibb WR, et al. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):530

CT demonstration of a spinal subarachnoid haematoma following lumbar puncture. Bellamy EA, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):791–2

Cerebral spinal fluid pleocytosis with bone marrow contamination. Luban NL, et al. **J Pediatr** 1984 Feb; 104(2):254–6

Re: Lateral C1-2 puncture for cervical myelography [letter] Lee J. **Radiology** 1983 Dec;149(3):875

[Pneumococcal meningitis following lumbar puncture] Amsel S, et al. **Harefuah** 1983 Nov 1;105(9):264–5 (Eng. Abstr.) **(Heb)**

[Treatment of headaches secondary to dura mater punctures using an epidural path of autologous blood] Zafrani V, et al. **Rev Med Panama** 1984 May;9(2):136–40 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Bone marrow puncture using a needle for lumbar puncture (letter)] de Gramont A, et al. **Presse Med** 1984 Jun 23; 13(26):1638 **(Fre)**

METHODS

The effect of lumbar puncture position in sick neonates. Weisman LE, et al. **Am J Dis Child** 1983 Nov; 137(11):1077–9

[The atlantoaxial cistern as a puncture site for lateral cervical C1/2 puncture] Molsen HP, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jun;35(6):345–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Cerebrospinal fluid sampling in the dog. Wright JA. **In Pract** 1984 Jan;6(1):23–4

SPINAL STENOSIS

Lumbar spinal stenosis. Martens G, et al. **Acta Orthop Belg** 1984 Jan–Feb;50(1):39–53

Forestier's disease and lumbar stenosis [letter] Weisz GM. **Spine** 1983 Nov–Dec;8(8):919

CLASSIFICATION

Lumbar spinal stenosis and pseudostenosis. Definition and

classification of pathology. Postacchini F. **Ital J Orthop Traumatol** 1983 Sep;9(3):339–50

COMPLICATIONS

Neurogenic intermittent claudication. Søgaard I, et al. **Acta Neurochir (Wien)** 1983;69(3–4):195–203

'Vespers Curse' night pain—the bane of Hypnos. LaBan MM. **Arch Phys Med Rehabil** 1984 Sep;65(9):501–4

Stenosis of the lumbar spinal canal in Forestier's disease. Weisz GM. **Int Orthop** 1983;7(1):61–4

Cervical myelopathy due to ossification of the posterior longitudinal ligament. Gui L, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):269–80

Traumatic myelopathy in a seventeen-year-old child with cervical spinal stenosis (without fracture or dislocation) and a C2–C3 Klippel–Feil fusion. A case report. Epstein NE, et al. **Spine** 1984 May–Jun;9(4):344–7

[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Neurological aspects] van Gijn J. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1377–8 **(Dut)**

[Experimental study on the post-laminectomy deterioration in cervical spondylotic myelopathy—influences of the meningeal treatment and persistent spinal cord block] Oiwa T. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jun;57(6):577–92 (Eng. Abstr.) **(Jpn)**

[Narrow spinal canal in the lumbosacral segment] Jarmundowicz W, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):127–32 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Ultrasonic measurement of spinal canal [letter] Macdonald EB, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):1010

Magnetic resonance imaging of intervertebral disk disease. Clinical and pulse sequence considerations. Modic MT, et al. **Radiology** 1984 Jul;152(1):103–11

A comparison of sonography and myelography in clinically suspected spinal stenosis. Asztély M, et al. **Spine** 1983 Nov–Dec;8(8):885–90

The Rush–Presbyterian–St. Luke's lumbar spine analysis form: a prospective study of patients with 'spinal stenosis'. Weinstein JN, et al. **Spine** 1983 Nov–Dec;8(8):891–6

[Sciatica caused by stenosis of the lumbar spinal canal] Deburge A. **Presse Med** 1984 Apr 14;13(16):973–4 **(Fre)**

[Arthrotic Lumbar spinal canal stenosis and total hip prosthesis] de la Caffinière JY, et al. **Rev Chir Orthop** 1983; 69(4):323–31 (Eng. Abstr.) **(Fre)**

[The narrow spinal canal] Panajatović B, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):412–4 **(Scr)**

ETIOLOGY

Spinal stenosis caused by a Harrington hook in neuromuscular disease. A case report. Bowen JR, et al. **Clin Orthop** 1983 Nov;(180):179–81

Secondary spinal canal stenosis associated with long-term ventriculoperitoneal shunting. Kobayashi A, et al. **J Neurosurg** 1983 Nov;59(5):854–60

Diffuse idiopathic skeletal hyperostosis (DISH) causing spinal stenosis and sudden paraplegia. Johnsson KE, et al. **J Rheumatol** 1983 Oct;10(5):784–9

[Acquired stenosis of the lumbar canal and vertebral hyperostosis] Arlet J, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):635–41 (Eng. Abstr.) **(Fre)**

[Acromegaly and spinal canal stenosis] Urasaki E, et al. **No Shinkei Geka** 1983 Sep;11(9):983–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Bone mineral content and bone mass in patients with spinal stenosis. Johnsson KE, et al. **Clin Orthop** 1984 Jun; (186):240–3

RADIOGRAPHY

Unusual presentations of lumbar stenosis. Sonntag VK. **Ariz Med** 1984 Apr;41(4):228–34

Techniques of Metrizamide myelography. McCormick CC, et al. **Australas Radiol** 1983 Jul;27(2):119–31

The narrow cervical spinal canal. Soo YS, et al. **Australas Radiol** 1983 Jul;27(2):132–8

Spinal canal stenosis. Concept of spinal reserve capacity: radiologic measurements and clinical applications. Weisz GM, et al. **Clin Orthop** 1983 Oct;(179):134–40

Computed tomography of spinal stenoses and arthroses. Helms CA, et al. **Clin Rheum Dis** 1983 Aug;9(2):417–41 (34 ref.)

Role of stenosis of spinal canal in L4–L5 nerve root compression assessed by flexion–extension myelography. Wilmink JT, et al. **Neuroradiology** 1984;26(3):173–81

Chronic spinal epidural hematoma presenting as lumbar stenosis: clinical, myelographic, and computed tomographic features. A case report. Nehls DG, et al. **Neurosurgery** 1984 Feb;14(2):230–3

Cheirolumbar dysostosis: a phenotype of pseudohypoparathyroidism. Halloran SL, et al. **Skeletal Radiol** 1983;10(3):161–4

[Tomodensitometric aspects of the narrow lumbar canal] Crouzet G, et al. **J Radiol** 1983 Jun–Jul;64(6–7):405–14 (Eng. Abstr.) **(Fre)**

[Clinicoradiological and computed tomographic comparison of 50 surgical patients with degenerative lumbar stenosis] Perves A, et al. **Rev Chir Orthop** 1983;69 Suppl 2:129–34 **(Fre)**

[Computed tomographic studies in cervical spinal stenosis] Rodiek SO. **ROFO** 1983 Oct;139(4):383–8 (Eng. Abstr.) **(Ger)**

[4th generation computed axial tomography in non-traumatic vertebral pathology (study of 40 cases)] Boccanera L, et al. **Arch Putti Chir Organi Mov** 1983;33:23–34 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

[Scintigraphic evaluation of posture-dependent stenoses of the cervical cerebrospinal fluid space] Otto HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jun;35(6):341–4 (Eng. Abstr.) **(Ger)**

SURGERY

Diagnosis and management of lumbar spinal stenosis. Weinstein PR. **Clin Neurosurg** 1983;30:677–97

Stenosis of the lumbar vertebral canal (a study of 25 cases operated on). Boccanera L, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):227–36

Cervical myelopathy. Technique and results of spinal cord decompression by lateral laminectomy. Gui L, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):129–38

Surgery of lumbar spinal degenerative disease. Arthornthurasook A, et al. **J Med Assoc Thai** 1983 Jul; 66(7):388–91

Multiple subtotal somatectomy. Technique and evaluation of a series of 39 cases. Boni M, et al. **Spine** 1984 May–Jun; 9(4):358–62

Expansive open-door laminoplasty for cervical spinal stenotic myelopathy. Hirabayashi K, et al. **Spine** 1983 Oct; 8(7):693–9

[Clinical significance of degenerative disorders of the lumbar spine and consequences of their demonstration. Neurosurgical aspects] Tulleken CA. **Ned Tijdschr Geneeskd** 1983 Jul 30;127(31):1381–3 **(Dut)**

[Failure of surgery for lumbar spinal stenosis. Apropos of 38 cases verified by computed x-ray tomography] de la Caffinière JY, et al. **Rev Chir Orthop** 1983;69(7):557–65 (Eng. Abstr.) **(Fre)**

[Possibilities of the surgical treatment of stenosis of the spinal canal due to obstruction] Milenković Z, et al. **Srp Arh Celok Lek** 1983 Jun;111(6):811–9 **(Scc)**

SPINDLE APPARATUS, MITOTIC see **MITOTIC SPINDLE APPARATUS**

SPINE

see related

LAMINECTOMY

Ossification of the posterior longitudinal ligament of the spine. Tsuyama N. **Clin Orthop** 1984 Apr;(184):71–84

Cervical myelopathy due to ossification of the posterior longitudinal ligament. Gui L, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):269–80

Intraspinal migration of a rectal foreign body. Morales L, et al. **J Pediatr Surg** 1983 Oct;18(5):634–5

Ossification of the paravertebral ligaments: a frequent complication of hypoparathyroidism. Okazaki T, et al. **Metabolism** 1984 Aug;33(8):710–3

Detection of retained surgical sponges. Revesz G, et al. **Radiology** 1983 Nov;149(2):411–3

[Ossification of ligament of the spine] Shikata J. **Nippon Geka Hokan** 1983 May 1;52(3):271–2 **(Jpn)**

[Device for determining the degree of mobility of the cervical and lumbar segments of the spine] Iarovoi VK. **Ortop Travmatol Protez** 1984 Jan;(1):57–9 **(Rus)**

ABNORMALITIES

Extensive spinal dysrhaphism and sacral agenesis without urologic disturbances. Helin I, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):209–12

High-resolution spinal sonography in infants. Kangarloo H, et al. **AJR** 1984 Jun;142(6):1243–7

John Caffey Award. Sonography of the caudal spine and back: congenital anomalies in children. Naidich TP, et al. **AJR** 1984 Jun;142(6):1229–42

Time course study of occurrence of anomalies in medaka's centrum by cadmium or fenitrothion emulsion. Hiraoka Y, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):693–7

Craniovertebral junction abnormalities. Vangilder JC, et al. **Clin Neurosurg** 1983;30:514–30

A tentative assessment of water pollution by the medaka egg stationing method: aerial application of fenitrothion emulsion. Hiraoka Y, et al. **Environ Res** 1984 Aug; 34(2):262–7

Characteristics of vertebral abnormalities of medaka as a water pollution indicator. Hiraoka Y, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):261–6

Straight back syndrome: report of case. Gordon CJ, et al. **J Am Osteopath Assoc** 1983 Dec;83(4):317–20

Spondylothoracic dysplasia. A case report. Heilbronner DM, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):302–3

Hereditary costovertebral dysplasia with malignant cerebral tumour. David TJ, et al. **J Med Genet** 1983 Dec;20(6):441–4

Spondylo-costal dysplasia. A further report—review of 14 cases. Kozlowski K. **ROFO** 1984 Feb;140(2):204–9

Cervicobrachialgia with congenital vertebral anomalies and diastematomyelia. Roosen N, et al. **Surg Neurol** 1984 May; 21(5):493–6

The pathogenesis of retinoic acid-induced vertebral abnormalities in golden Syrian hamster fetuses. Wiley MJ. **Teratology** 1983 Dec;28(3):341–53

[Occult spinal dysrhaphia. Anatomoclinical study and therapeutic indications. Apropos of 20 cases] Masquelet AC, et al. **Ann Pediatr (Paris)** 1984 Feb;31(2):127–36 (Eng. Abstr.) **(Fre)**

[Dwarfism with high and narrow vertebrae. 2 new cases] Rochiccioli P, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):709–12 (Eng. Abstr.) **(Fre)**

[Hyperextension of the fetal head associated with hyperextension of the dorso-lumbar spine. Apropos of a case diagnosed in utero] Gardella, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(7):763–6 (Eng. Abstr.) **(Fre)**

[Clinico-electromyographical studies in developmental abnormalities of the spine] Kir'iakov VA, et al. **Sov Med** 1983;(11):103–5 **(Rus)**

[Differential diagnosis of compression fractures and of the clinoid variation in vertebral shape in forensic medical practice] Tsyvkin MV, et al. **Sud Med Ekspert** 1984 Jan–Mar;27(1):21–5 (Eng. Abstr.) **(Rus)**

[Anomalies of articular tropism and spinal osteochondrosis in flight personnel] Poletaev RV. **Voen Med Zh** 1984 Jun; (6):44–6 **(Rus)**

[Contribution to the etiology of dysrhaphic defects of the spinal column and cord] Sulla I, et al. **Bratisl Lek Listy** 1983 Aug;80(2):213–20 (Eng. Abstr.) **(Slo)**

ANATOMY & HISTOLOGY

The pathogenesis of idiopathic scoliosis. Biplanar spinal asymmetry. Dickson RA, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):8–15

A device to indicate anatomical level in computed tomography. Villafana T, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):368–71

Osseous configurations of the axial skeleton: specific application to spatial relationships of vertebrae. Gerow G. **J Manipulative Physiol Ther** 1984 Mar;7(1):33–8

Lumbar curve, trunk muscles, and line of gravity with different heel heights. Bendix T, et al. **Spine** 1984 Mar; 9(2):223–7

Measurement of spine morphology in children, ages 10–16. Schultz AB, et al. **Spine** 1984 Jan–Feb;9(1):70–3

[Anatomic study of the aponeurosis of the posterior spinal muscles] Brizzi E, et al. **Bull Assoc Anat (Nancy)** 1983 Mar; 67(196):79–82 (Eng. Abstr.) **(Fre)**

[Correlations between the length of spinal segments and body height and their proportions in man] Goździewski S. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):289–93 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

Vertebral hyperemia associated with bone marrow insult and recovery. Klein HA, et al. **Clin Nucl Med** 1984 Jun; 9(6):307–9

[An application of balloon probes. Preoperative electrophysiological test of the tolerance to temporal occlusion of the artery of cervical enlargement] Chiras J, et al. **Neurochirurgie** 1983;29(4):289–93 (Eng. Abstr.) **(Fre)**

[Significance of the venous system of the spine in the formation of metastases] Gowin W. **Strahlentherapie** 1983 Nov;159(11):682–9 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Ultrastructural studies of initial stages of mineralization of long bones and vertebrae in human fetuses. Ben Hur H, et al. **Acta Anat (Basel)** 1984;119(1):33–9

A radiographic study of variations of the human fetal spine. Bagnall KM, et al. **Anat Rec** 1984 Feb;208(2):265–70

GROWTH & DEVELOPMENT

[The juvenile spine and its modification by sports] Jani L. **Schweiz Z Sportmed** 1983 Dec;31(4):114–8 (Eng. Abstr.) **(Ger)**

[Postnatal development of the spine in sheep and goats] Rajtová V. **Vet Med (Praha)** 1984 Apr;29(4):223–30 (Eng. Abstr.) **(Slo)**

INNERVATION

[Experimental study on the etiology of idiopathic scoliosis—a deviation of lower motor neurons of the spinal muscle detected by the horseradish peroxidase method] Mochida J. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul;57(7):671–83 (Eng. Abstr.) **(Jpn)**

METABOLISM

Decreased spinal mineral content in amenorrheic women. Cann CE, et al. **JAMA** 1984 Feb 3;251(5):626–9

PATHOLOGY

NMR imaging of the spine. Han JS, et al. **AJR** 1983 Dec; 141(6):1137–45

Bone sclerosis and proliferation in a man with multisystem

Disease. Resnick D, et al. **Invest Radiol** 1984 Jan–Feb; 19(1):1–6

Comparison of truncal and caudal lesions in the vertebral column of the sand rat (Psammomys obesus). Silberberg R, et al. **Isr J Med Sci** 1983 Dec;19(12):1064–71

[Percutaneous spinal and sacroiliac biopsies for diagnostic purposes] Foure X, et al. **J Radiol** 1983 Oct;64(10):551–6 (Eng. Abstr.) **(Fre)**

[The causative mechanisms of mitral valve prolapse in progressive muscular dystrophy. Thorax and thoracic spine deformity and left ventricular dysfunction] Yazawa Y, et al. **Kokyu To Junkan** 1984 Mar;32(3):275–9 (Eng. Abstr.) **(Jpn)**

[Puncture biopsy of the spinal column] Lilleby H, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):164–6 (Eng. Abstr.) **(Nor)**

[A method of rapid extraction of the whole vertebral column during autopsy] Rodionov AA. **Arkh Patol** 1984;46(6):80–1 (Eng. Abstr.) **(Rus)**

[Clinico-x-ray and morphofunctional basis for dysplastic and idiopathic scoliosis] Fishchenko VIa. **Ortop Travmatol Protez** 1984 Mar;(3):23–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A method for measuring the load imposed on the back of a sitting person. Eklund JA, et al. **Ergonomics** 1983 Nov; 26(11):1063–76

Spinal loading in static and dynamic postures: EMG and intra-abdominal pressure study. Kumar S, et al. **Ergonomics** 1983 Sep;26(9):913–22

Model for static lifting: relationship of loads on the spine and the knee. Bejjani FJ, et al. **J Biomech** 1984;17(4):281–6

A dynamic biomechanical evaluation of lifting maximum acceptable loads. Freivalds A, et al. **J Biomech** 1984; 17(4):251–62

A critique of applications of the Euler equation to the human spine. Owens EF Jr, et al. **J Manipulative Physiol Ther** 1983 Jun;6(2):67–70

Posture of the trunk when sitting on forward inclining seats. Bendix T, et al. **Scand J Rehabil Med** 1983;15(4):197–203

The biomechanics of the posterior elements of the lumbar spine. Introductory comments. Andersson GB. **Spine** 1983 Apr;8(3):326

Deformation of the vertebral end-plate under axial loading of the spine. Brinckmann P, et al. **Spine** 1983 Nov–Dec; 8(8):851–6

Lower extremity loads stimulate bone formation in the vertebral column: implications for osteoporosis. Burr DB, et al. **Spine** 1983 Oct;8(7):681–6

Shrinkage as a measure of the effect of load on the spine. Eklund JA, et al. **Spine** 1984 Mar;9(2):189–94

[Statics and dynamics of the spine] Fredenhagen H. **Schweiz Z Sportmed** 1983 Dec;31(4):109–13 (Eng. Abstr.) **(Ger)**

[Electric phenomena in sterile and infected bone tissue] Cieszyński T. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):371–5 (Eng. Abstr.) **(Pol)**

[Device for measuring rotatory movements of different divisions of the spine] Savchenko VK. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):52–3 **(Rus)**

[Device for determining spinal curvature] Savchenko VK. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):59–60 **(Rus)**

PHYSIOPATHOLOGY

Effect of the Boston thoracic brace on the frontal and sagittal curves of the spine. Willner S. **Acta Orthop Scand** 1984 Aug;55(4):457–60

Paraspinal muscle imbalance in adolescent idiopathic scoliosis. Ford DM, et al. **Spine** 1984 May–Jun;9(4):373–6

[Spinal instability] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1984 Mar;(3):1–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

High resolution CT of the spine in lumbar disc disease. Gado M, et al. **Clin Neurosurg** 1983;30:654–76

Spine–spinal cord relationships in spinal cord trauma. Tator CH. **Clin Neurosurg** 1983;30:479–94

A technique for preparation, removal, and storage of cadaver spine specimens for CT evaluation. Pagani JJ, et al. **Invest Radiol** 1984 Jan–Feb;19(1):51–3

Idiopathic scoliosis in three dimensions. A radiographic and morphometric analysis. Deacon P, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):509–12

Computed tomography scanning for the measurement of bone mineral in the human spine. Weissberger MA, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):253–62

Quantitative computed tomography assessment of spinal trabecular bone. I. Age-related regression in normal men and women. Firooznia H, et al. **J Comput Tomogr** 1984 Apr;8(2):91–7

Spinal and radius bone measurement in renal osteodystrophy [letter] Mazess RB. **Nephron** 1984;38(1):71–2

Radiographic changes, HLA B27 and back pain in patients with psoriasis or acute anterior uveitis. Vinje O, et al. **Scand J Rheumatol** 1983;12(3):219–24

The three column spine and its significance in the classification of acute thoracolumbar spinal injuries. Denis F. **Spine** 1983 Nov–Dec;8(8):817–31

Radiation exposure in high resolution computed tomography of the spine. John V, et al. **Strahlentherapie** 1984 Feb; 160(2):100–3

[Radiographic evaluation of a patient with a spine deformity] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1983 Aug;50(4):349–58 (Eng. Abstr.) **(Cze)**

[Degenerative changes in the spine in leading athletes] Blažek O, et al. **Cesk Radiol** 1983 Nov;37(6):383–8 (Eng. Abstr.) **(Cze)**

[Roentgenologic studies of the spine in small domestic animals. 1. Routine studies] Wolvekamp WT. **Tijdschr Diergeneeskd** 1984 Jun 15;109(12):507–15 (Eng. Abstr.) **(Dut)**

[Measurement to the 4th degree of the bi-spinal diameter by orthoradiography and displacement (letter)] Bellemin R. **J Radiol** 1984 Jan;65(1):51 **(Fre)**

[Value and limitations of the computed x-ray tomographic measurement of vertebral mineralization] Laval-Jeantet AM, et al. **J Radiol** 1984 Mar;65(3):151–7 (Eng. Abstr.) **(Fre)**

[3-dimensional approach to spinal deformities. Application to the study of the prognosis of pediatric scoliosis] Graf H, et al. **Rev Chir Orthop** 1983;69(5):407–16 (Eng. Abstr.) **(Fre)**

[Intravertebral gaseous lucency. Apropos of 7 new cases] Wendling D, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep; 50(8–9):607–12 (Eng. Abstr.) **(Fre)**

[Radiological contribution to skeletal changes in systemic mastocytosis. Urticaria pigmentosa] Schratter M, et al. **Rontgenblatter** 1983 Nov;36(11):359–62 (Eng. Abstr.) **(Ger)**

[High resolution computer tomography of the lumbar spine] Kurtz B, et al. **Rontgenpraxis** 1984 Jan;37(1):1–7 **(Ger)**

[Reproducibility of x-rays of the spinal column while standing] Bernau A. **Z Orthop** 1984 Mar–Apr;122(2):150–1 (Eng. Abstr.) **(Ger)**

[Marfan's syndrome (description of an atypical case)] Tamburrelli F. **Arch Putti Chir Organi Mov** 1983;33:415–21 (Eng. Abstr.) **(Ita)**

[Venospondylography in the diagnosis of epidural abscesses in spinal osteomyelitis] Tikhodeev SA, et al. **Vestn Khir** 1984 Jul;132(7):59–62 (Eng. Abstr.) **(Rus)**

[Electroroentgenography in a contrast study of the spine and spinal cord] Pustovoitenko VT, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):75–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The application of single photon emission computed tomography to the diagnosis of ankylosing spondylitis of the spine. Jacobsson H, et al. **Br J Radiol** 1984 Feb; 57(674):133–40

[Spinal scintigraphy following Harrington's spondylodesis] Springorum HW, et al. **Z Orthop** 1984 May–Jun; 122(3):255–9 (Eng. Abstr.) **(Ger)**

SURGERY

Etomidate by infusion for neuroanaesthesia. Kinetic and dynamic interactions with nitrous oxide. Sear JW, et al. **Anaesthesia** 1984 Jan;39(1):12–8

Vertebral body resection in the treatment of cancer involving the spine. Sundaresan N, et al. **Cancer** 1984 Mar 15; 53(6):1393–6

Lateral extracavitary approach to the spine for thoracic disc herniation: report of 23 cases. Maiman DJ, et al. **Neurosurgery** 1984 Feb;14(2):178–82

Real-time sonography during spinal surgery. Knake JE, et al. **Radiology** 1984 May;151(2):461–5

Intraoperative restraint for Luque wires. Crawford AH, et al. **Spine** 1984 Jan–Feb;9(1):96–7

Anterior spinal cord decompression for lesions of the thoracic and lumbar spine, techniques, new methods of internal fixation results. Kostuik JP. **Spine** 1983 Jul–Aug; 8(5):512–31

Surgical stabilization of the spine in Duchenne muscular dystrophy. Weimann RL, et al. **Spine** 1983 Oct;8(7):776–80

[Decompression of the dural sac using the anterior approach] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jun;51(3):216–23 (Eng. Abstr.) **(Cze)**

[Technics and strategy in the treatment of severe paralytic scoliosis] Pous JG, et al. **Rev Chir Orthop** 1983; 69(5):393–406 (Eng. Abstr.) **(Fre)**

[The operated and injured spine and its significance for sports and military duty] Magerl F. **Schweiz Z Sportmed** 1983 Dec;31(4):125–7 (Eng. Abstr.) **(Ger)**

[Antibiotic prophylaxis in orthopedics with special reference to spinal operations] Ecker J, et al. **Z Orthop** 1983 Nov–Dec;121(6):738–40 (Eng. Abstr.) **(Ger)**

[Pathophysiologic and technical aspects of transthoracic surgery of the spinal column] Hasse J. **Z Orthop** 1984 Jul–Aug;122(4):509–12 **(Ger)**

[Indication and results of ventral approach spinal surgery] Schmitt O. **Z Orthop** 1984 May–Jun;122(3):356–64 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

[Ultrastructure of the mineral component and solidity of bone tissue of the vertebrae in persons of different age] Podrushniak EP, et al. **Ortop Travmatol Protez** 1983 Aug; (8):15–8 (Eng. Abstr.) **(Rus)**

SPINOTHALAMIC TRACTS

ANATOMY & HISTOLOGY

Collateralization in the spinothalamic tract: new methodology to support or deny phylogenetic theories. Kevetter GA, et al. **Brain Res** 1984 Mar;319(1):1–14 (70 ref.)

The terminations of the spinothalamic tract in the cat. Mantyh PW. **Neurosci Lett** 1983 Jul 29;38(2):119–24

The spinothalamic tract in the primate: a re-examination using wheatgerm agglutinin conjugated to horseradish peroxidase. Mantyh PW. **Neuroscience** 1983 Aug; 9(4):847–62

CYTOLOGY

[Light electron-microscopic study of the lateral cervical nucleus of the cat, with special reference to terminal boutons] Horii F. **Kaibogaku Zasshi** 1983 Dec;58(6):614–25 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Responses of thoracic spinoreticular and spinothalamic cells to intracardiac bradykinin. Blair RW, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H500–7

The effects of small doses of barbiturate on the activity of primate nociceptive tract cells. Hori Y, et al. **Brain Res** 1984 Jul 30;307(1–2):9–15

PHYSIOLOGY

Spinally administered epinephrine suppresses noxiously evoked activity of WDR neurons in the dorsal horn of the spinal cord. Collins JG, et al. **Anesthesiology** 1984 Apr; 60(4):269–75

Response characteristics of cat spinothalamic tract neurons to splanchnic nerve stimulation. Rucker HK, et al. **Brain Res** 1984 Jan 23;291(2):383–7

Vagal afferent inhibition of spinothalamic cell responses to sympathetic afferents and bradykinin in the monkey. Ammons WS, et al. **Circ Res** 1983 Nov;53(5):603–12

Viscerosomatic convergence onto T2–T4 spinoreticular, spinoreticular–spinothalamic, and spinothalamic tract neurons in the cat. Foreman RD, et al. **Exp Neurol** 1984 Sep;85(3):597–619

Greater splanchnic excitation of primate T1–T5 spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1984 Mar;51(3):592–603

Inhibition of primate spinothalamic tract neurons by stimulation in periaqueductal gray or adjacent midbrain reticular formation. Gerhart KD, et al. **J Neurophysiol** 1984 Mar;51(3):450–66

Effects of iontophoretically released amino acids and amines on primate spinothalamic tract cells. Willcockson WS, et al. **J Neurosci** 1984 Mar;4(3):732–40

Effects of iontophoretically released peptides on primate spinothalamic tract cells. Willcockson WS, et al. **J Neurosci** 1984 Mar;4(3):741–50

Factors influencing peripheral nerve stimulation produced inhibition of primate spinothalamic tract cells. Chung JM, et al. **Pain** 1984 Jul;19(3):277–93

Prolonged inhibition of primate spinothalamic tract cells by peripheral nerve stimulation. Chung JM, et al. **Pain** 1984 Jul;19(3):259–75

[Compensatory restoration of function in cats following resection of the somatosensory pathways: role of the cerebral commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):272–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Responses of thoracic spinothalamic and spinoreticular cells to coronary artery occlusion. Blair RW, et al. **J Neurophysiol** 1984 Apr;51(4):636–48

SURGERY

Sensory consequences of commissural myelotomy. A challenge to traditional anatomical concepts. Cook AW, et al. **Brain** 1984 Jun;107 (Pt 2):547–68

SPIPERONE see under **BUTYROPHENONES**

SPIRAL GANGLION see under **COCHLEA**

SPIRAL LAMINA see under **COCHLEA**

SPIRAL ORGAN see **ORGAN OF CORTI**

SPIRAMYCINS see **LEUCOMYCINS**

SPIRILLACEAE

GROWTH & DEVELOPMENT

Use of reducing compounds in the cultivation of Azospirillum sp. Venkateswarlu B, et al. **Acta Microbiol Hung** 1983; 30(2):99–102

ISOLATION & PURIFICATION

Spiral organisms in endoscopic biopsies of the human stomach [letter] Fricker CR, et al. **J Clin Pathol** 1984 Jun;

37(6):714–5

METABOLISM

Intermediary carbon metabolism of Azospirillum brasilense. Loh WH, et al. **J Bacteriol** 1984 Apr;158(1):264–8
Metabolism of various carbon sources by Azospirillum brasilense. Westby CA, et al. **J Bacteriol** 1983 Dec; 156(3):1369–72

SPIRILLUM

ANALYSIS

Elemental composition of bacterial metachromatic inclusions determined by electron microprobe X-ray analysis. Webster JA, et al. **J Bacteriol** 1984 May;158(2):441–6

ENZYMOLOGY

Uptake hydrogenase activity in denitrifying Azospirillum brasilense grown anaerobically with nitrous oxide or nitrate. Tibelius KH, et al. **J Bacteriol** 1984 Jan;157(1):84–8

GROWTH & DEVELOPMENT

Components of the regular surface array of Aquaspirillum serpens MW5 and their assembly in vitro. Kist ML, et al. **J Bacteriol** 1984 Feb;157(2):599–606

ISOLATION & PURIFICATION

Occurrence of Azospirillum in Polish soils. Kulińska D. **Acta Microbiol Pol** 1983;32(3):265–8
Anaerobiospirillum species isolated from humans with diarrhoea. Malnick H, et al. **J Clin Pathol** 1983 Oct; 36(10):1097–101

SPIRITUAL HEALING see MENTAL HEALING

SPIRITUALISM

Neurology and spiritualism in the 1870s. Brown EM. **Bull Hist Med** 1983 Winter;57(4):563–77
Culture and mental disorder: the case of bebainan in Bali. Suryani LK. **Cult Med Psychiatry** 1984 Mar;8(1):95–113
Sir Arthur Conan Doyle and his mystical Ohio tour. Ravin JG. **Ohio State Med J** 1983 Jun;79(6):425–7, 431–2

SPIRO COMPOUNDS

A rapid semi-quantitative determination of phenylalanine, glycine and cystine from urine and phenylalanine from serum. Lee ML, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):285–9
A micro thin layer chromatography technique for urinary and serum amino acids using fluorescamine as a staining reagent. Wang TR, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):273–84

ADMINISTRATION & DOSAGE

Identification of synergistic combinations of spirogermanium with 5-fluorouracil or cisplatin using a range of human tumour cell lines in vitro. Hill BT, et al. **Invest New Drugs** 1984;2(1):29–33
Phase I study of spirogermanium given daily. Legha SS, et al. **J Clin Oncol** 1983 May;1(5):331–6

ADVERSE EFFECTS

Fluspirilene neuroleptic depot injections and indurations [letter] Brumback RA, et al. **Can J Psychiatry** 1984 Mar; 29(2):184–5
Fluspirilene neuroleptic depot injections and indurations. McGee HM, et al. **Can J Psychiatry** 1983 Aug;28(5):379–81
Pulmonary toxicity associated with spirogermanium. Dixon C, et al. **Cancer Treat Rep** 1984 Jun;68(6):907–8

ANALYSIS

[Determination of primary amines and protein by using fluorescamine in microorganism suspensions] Poglazova MN, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):28–32 (Eng. Abstr.) **(Rus)**

BLOOD

Determination of functionally-relevant serum levels of MJ 13859-1 in the dog: relationship to blockade of amphetamine stereotypy. Eison MS, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):255–9

CHEMICAL SYNTHESIS

Novel indolene-spiro-hydroxytetronimides as potential antineoplastic and antiviral agents. Soliman FS, et al. **Pharmazie** 1983 Sep;38(9):585–6

ISOLATION & PURIFICATION

Association of leucogenenol, a thymothyroid hormone, with carrier proteins in the thymus. Rice FA, et al. **Life Sci** 1984 Jul 30;35(5):517–23

METABOLISM

The use of fluorescamine as a permeant probe to localize phosphatidylethanolamine in intact friend erythroleukaemic cells. Rawyler A, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):330–6

PHARMACODYNAMICS

Amine fluorescamine compounds inhibit oxidative phosphorylation in rat liver mitochondria. Ramirez F, et al. **Arch Biochem Biophys** 1984 Apr;230(1):61–8
Effect of leucogenenol, a thymothyroid hormone, on the growth of immature and neonatally thymectomized rats. Rice FA, et al. **Can J Physiol Pharmacol** 1984 Jan; 62(1):53–8
Spirogermanium: a new investigational drug of novel structure and lack of bone marrow toxicity. Slavik M, et al. **Invest New Drugs** 1983;1(3):225–34
Effect of leucogenenol, a thymothyroid hormone, on the enzymes and several other constituents of the serum. Rice FA, et al. **Life Sci** 1983 Nov 28;33(22):2235–40
[Structural changes in erythrocyte ghosts after irradiation and the initiation of lipid oxidation detectable using 2,6-TNS and fluorescamine] Fomenko BS. **Radiobiologiia** 1984 Jan–Feb;24(1):21–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Leading symptom of anxiety and tension and its concomitant somatic manifestations. A multicenter trial of fluspirilene versus bromazepam] Thilmann J. **Fortschr Med** 1983 Oct 6;101(37):1676–8 (Eng. Abstr.) **(Ger)**

SPIROCHAETA

CLASSIFICATION

Intestinal spirochaetes [letter] Malnick H, et al. **Lancet** 1984 May 5;1(8384):1023

GROWTH & DEVELOPMENT

Enhancement of chemotaxis in Spirochaeta aurantia grown under conditions of nutrient limitation. Terracciano JS, et al. **J Bacteriol** 1984 Jul;159(1):173–8

IMMUNOLOGY

Immunization of rabbits with Spirochaeta aurantia does not induce resistance to Treponema pallidum. Graves S, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):1–5
[Serum antibodies against Ixodes ricinus Spirochaeta in acrodermatitis chronica atrophicans (Herxheimer)] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1):6–10 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Ixodes ricinus Spirochaeta: probable pathogen responsible for Herxheimer's acrodermatitis chronica atrophicans] Steigleder GK. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1):3–5 **(Ger)**

METABOLISM

Chemoattractants elicit methylation of specific polypeptides in Spirochaeta aurantia. Kathariou S, et al. **J Bacteriol** 1983 Oct;156(1):95–100
Uptake of D-xylose and D-glucose by Spirochaeta aurantia. Roberts S, et al. **J Bacteriol** 1984 Jul;159(1):427–8

SPIROCHAETACEAE

ANALYSIS

Chemical compositions of cell walls and polysaccharide fractions of spirochetes. Yanagihara Y, et al. **Microbiol Immunol** 1984;28(5):535–44

IMMUNOLOGY

Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100

PATHOGENICITY

'Endotoxicity' of the Lyme disease spirochete [letter] Fumarola D, et al. **Infection** 1983 Nov–Dec;11(6):345

SPIROCHAETALES

Use of avidin-biotinylated horseradish peroxidase complex for visualization of spirochetes. Jennings BR, et al. **J Clin Microbiol** 1983 Nov;18(5):1250–1
Spiral organisms in endoscopic biopsies of the human stomach. Rollason TP, et al. **J Clin Pathol** 1984 Jan; 37(1):23–6

ENZYMOLOGY

Pectinolytic enzymes of oral spirochetes from humans. Weber FH, et al. **Appl Environ Microbiol** 1984 Jul;48(1):61–7
API ZYM system for identification of Bacteroides spp., Capnocytophaga spp., and spirochetes of oral origin. Laughon BE, et al. **J Clin Microbiol** 1982 Jan;15(1):97–102

IMMUNOLOGY

Antibody response in Lyme disease: evaluation of diagnostic tests. Craft JE, et al. **J Infect Dis** 1984 May;149(5):789–95
Parasitism by Ixodes dammini (Acari: Ixodidae) and antibodies to spirochetes in mammals at Lyme disease foci in Connecticut, USA. Magnarelli LA, et al. **J Med Entomol** 1984 Jan 26;21(1):52–7
Antibodies to spirochetes in white-tailed deer and prevalence of infected ticks from foci of Lyme disease in Connecticut. Magnarelli LA, et al. **J Wildl Dis** 1984 Jan;20(1):21–6

ISOLATION & PURIFICATION

Lyme disease: a selective medium for isolation of the suspected etiological agent, a spirochete. Johnson SE, et al. **J Clin Microbiol** 1984 Jan;19(1):81–2
Spirochetes in Ixodes dammini and Babesia microti on Prudence Island, Rhode Island. Anderson JF, et al. **J Infect Dis** 1983 Dec;148(6):1124
The routine isolation, growth, and maintenance of the intermediate-size anaerobic oral spirochetes from periodontal pockets. Cheng SL, et al. **J Periodont Res** 1983 Jul;18(4):362–8
Spiral bacteria of the gastric antrum [letter] McNulty CA, et al. **Lancet** 1984 May 12;1(8385):1068–9
Spirochetes in erythema chronicum migrans [letter] Berger BW. **N Engl J Med** 1984 Feb 23;310(8):529–30
[Lyme disease: a new infectious disease (editorial)] Pascual Gómez E. **Med Clin (Barc)** 1983 Dec 10;81(19):856–8 **(Spa)**

SPIROCHAETALES INFECTIONS

Histologic demonstration of intradermal spirochetes in a patient with Lyme disease. Kantoff PW, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):40–2

COMPLICATIONS

Lyme disease in northern California. Campagna J, et al. **West J Med** 1983 Sep;139(3):319–23
[Tick-borne meningoradiculitis—a form of spirochetosis] Caflisch U, et al. **Schweiz Med Wochenschr** 1984 May 5; 114(18):630–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Acrodermatitis chronica atrophicans, erythema chronicum migrans and lymphadenosis benigna cutis—spirochetal diseases? Frithz A, et al. **Acta Derm Venereol (Stockh)** 1983; 63(5):432–6
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 29–1984. A 21-year-old man with headache, fever, and facial diplegia. **N Engl J Med** 1984 Jul 19;311(3):172–81
[Acute, syncopal auriculo-ventricular block in Lyme disease (letter)] Cornuau C, et al. **Presse Med** 1984 Mar 31; 13(14):888 **(Fre)**
[Lyme arthritis (erythema migrans arthritis)] Müller W. **Schweiz Med Wochenschr** 1984 Feb 25;114(8):265–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Spirochete etiology of erythema chronicum migrans disease] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 20; 109(3):92–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antibody response in Lyme disease: evaluation of diagnostic tests. Craft JE, et al. **J Infect Dis** 1984 May;149(5):789–95

MICROBIOLOGY

Histologic demonstration of intradermal spirochetes in a patient with Lyme disease. Kantoff PW, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):40–2
Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100
Intestinal spirochaetes [editorial] **Lancet** 1984 Mar 31; 1(8379):720
Intestinal spirochetosis in homosexual men [letter] Kirkham N, et al. **N Engl J Med** 1984 Feb 9;310(6):392–3
[Lyme disease: a new infectious disease (editorial)] Pascual Gómez E. **Med Clin (Barc)** 1983 Dec 10;81(19):856–8 **(Spa)**

OCCURRENCE

A focus of Lyme disease in Monmouth County, New Jersey. Bowen GS, et al. **Am J Epidemiol** 1984 Sep;120(3):387–94

PATHOLOGY

Rectal spirochaetosis. Cotton DW, et al. **Br J Vener Dis** 1984 Apr;60(2):106–9
[Herxheimers disease: the infectious factor still unknown – but are Spirochaetales the possible infectious agents?] Thyresson N. **Lakartidningen** 1983 Oct 19;80(42):3933–4 **(Swe)**

TRANSMISSION

[The spirochetal etiology of erythema chronicum migrans and of meningo-polyneuritis Garin-Bujadoux-Bannwarth] Ackermann R. **Z Hautkr** 1983 Nov 15;58(22):1616, 1619–21 (Eng. Abstr.) **(Ger)**

VETERINARY

Spirochete-associated arthritis (Lyme disease) in a dog. Lissman BA, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):219-20

SPIROCHETE INFECTIONS see SPIROCHAETALES INFECTIONS

SPIROLACTONE see SPIRONOLACTONE

SPIROMETRA

ANATOMY & HISTOLOGY

Description of musculature differences in spargana of Spirometra (Cestoda; Pseudophyllidea) and tetrathyridia of Mesocestoides (Cestoda; Cyclophyllidea) and their value in identification. Andersen KI. **J Helminthol** 1983 Dec; 57(4):331-4

SPIROMETRY

The effect of temperature on recording spirograms. Pincock AC, et al. **Am Rev Respir Dis** 1983 Nov;128(5):894-8

Interpretation of spirometry. A graphic and computational approach. Thomas HM 3d, et al. **Chest** 1984 Jul; 86(1):129-31

The correlation of peak expiratory flow rate and spirometry in normal healthy subjects. Jain SK, et al. **J Assoc Physicians India** 1983 May;31(5):297-8

Statement on spirometry: a report of the section on respiratory pathophysiology of the American College of Chest Physicians. Zamel N, et al. **J Asthma** 1983; 20(4):307-11

Aerodynamic assessment of vocal function using hand-held spirometers. Rau D, et al. **J Speech Hear Disord** 1984 May; 49(2):183-8

Respiratory surveillance aided by spirometric testing program. Lockey JE. **Occup Health Saf** 1984 Feb;:26-7, 30

[Spirometric reference values in black females] Boutros-Toni F, et al. **Bull Eur Physiopathol Respir** 1983 Jul-Aug; 19(4):331-8 (Eng. Abstr.) **(Fre)**

[Planimetric determination of lung volume--a complement to spirometry] Bieber M, et al. **ROFO** 1984 Mar; 140(3):329-33 (Eng. Abstr.) **(Ger)**

[Spiro-ergometric evaluation of a group of healthy young subjects: sedentary females, sedentary males and practicing male sports amateurs (jogging)] Camerieri A, et al. **G Ital Cardiol** 1983 Aug;13(8):98-105 (Eng. Abstr.) **(Ita)**

[Ergospirometric evaluation of 53 physical exercises used in cardiological rehabilitation] Opasich C, et al. **G Ital Cardiol** 1983 Oct;13(10):249-59 (Eng. Abstr.) **(Ita)**

[Maximal expiratory flow-volume curves (MEFV) and various spirometric indicators of air flow in the lungs] Pierzchala W, et al. **Pneumonol Pol** 1983 May;51(5):283-90 (Eng. Abstr.) **(Pol)**

[Significance of the deviation of the forced expiratory spirogram from the exponential relation] Sidorenko LA. **Biull Eksp Biol Med** 1983 Oct;96(10):22-4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Evaluation of Spirolog I volume meter. Chakrabarti MK, et al. **Anaesthesia** 1984 Mar;39(3):268-71

Office spirometer modification. Petty TL, et al. **Chest** 1984 Aug;86(2):248-50

A computer system for analysis and transmission of spirometry waveforms using volume sampling. Ostler DV, et al. **Comput Biomed Res** 1984 Jun;17(3):229-40

Respiratory muscle training with the incentive spirometer resistive breathing device. Larson M, et al. **Heart Lung** 1984 Jul;13(4):341-5

[Equipment of a water spirometer with a view to automation of spirometry] Guillot C, et al. **Rev Mal Respir** 1984; 1(3):187-91 (Eng. Abstr.) **(Fre)**

[Optimal dynamic characteristics of a measuring unit of the pneumotachometer] Lopata VA. **Med Tekh** 1984 Mar-Apr; (2):39-44 (Eng. Abstr.) **(Rus)**

METHODS

A controlled trial of intermittent positive pressure breathing, incentive spirometry, and deep breathing exercises in preventing pulmonary complications after abdominal surgery. Celli BR, et al. **Am Rev Respir Dis** 1984 Jul; 130(1):12-5

Spirometry. FEV1 vs FEF25-75 percent. Gelb AF, et al. **Chest** 1983 Oct;84(4):473-4

The single-breath N2-test and spirometry in healthy non-smoking males. Sixt R, et al. **Eur J Respir Dis** 1984 May;65(4):296-304

A new spirometric parameter in clinical pharmacology. Dal Negro RW, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Sep;21(9):464-7

Dynamic BTPS correction factors for spirometric data. Hankinson JL, et al. **J Appl Physiol** 1983 Oct;55(4):1354-60

Pulmonary function testing in a general medical practice. Gentry SE, et al. **J Community Health** 1983 Summer; 8(4):263-8

[Spirometry in artificial respiration] Cara M, et al. **Agressologie** 1984 Feb;25(2):93-104 (Eng. Abstr.) **(Fre)**

[Spirometric studies of healthy children and adolescents 13 to 18 years of age with regard to biological development] Brauer BM. **Arztl Jugendkd** 1983 Jul;74(4):233-6 (Eng. Abstr.) **(Ger)**

[Measured normal values for small spirometry] Forche G, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:808-10 (Eng. Abstr.) **(Ger)**

[Normal values of spirometry for the 15- to 20-year-old age group] Lang C, et al. **Schweiz Med Wochenschr** 1984 Mar 3;114(9):292-6 (Eng. Abstr.) **(Ger)**

[Industrial medicine preventive studies with spirometry, direct measurement of airway resistance, inhalation provocation and ergometry. Uncertain--contradictory--imperfect aspects] Schnellbächer F. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Sep;33(9):290-9 **(Ger)**

[Value of the MMEF/FEV1 index for the interpretation of spirographic data and the diagnosis of ventilatory disorders of the obstructive type] Szafrański W. **Pneumonol Pol** 1983 May;51(5):265-75 (Eng. Abstr.) **(Pol)**

STANDARDS

[Quality control of spirographic examinations in a health center] Locuty J, et al. **Rev Mal Respir** 1984;1(2):133-8 (Eng. Abstr.) **(Fre)**

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

The bioavailability of two new preparations of spironolactone tablets. Nijkerk AJ, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):210-2

[Changes in the electrolyte balance and the transmural differential in the potentials of the blood vessel wall during the administration of spironolactone and its combination with euphylline] Erikov VM. **Farmakol Toksikol** 1984 Jan-Feb;47(1):63-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The effect of spironolactone on the liver microsomal enzyme system in patients. Ohnhaus EE, et al. **Br J Clin Pharmacol** 1984 Apr;17(4):485-6

Contact dermatitis from spironolactone. Klijn J. **Contact Dermatitis** 1984 Feb;10(2):105

Influence of spironolactone on serum digoxin concentration [letter] Paladino JA, et al. **JAMA** 1984 Jan 27;251(4):470-1

[Pigmented exanthema after spironolactone allergy in progressive systemic scleroderma] Luderschmidt C. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1922-5 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

The renal action of spirorenone and other 6 beta,7 beta; 15 beta,16 beta-dimethylene-17-spirolactones, a new type of steroidal aldosterone antagonists. Casals-Stenzel J, et al. **Arzneimittelforsch** 1984;34(3):241-6

The effect of the antimineralocorticoid RU 28318 on aldosterone biosynthesis in vitro. Perroteau I, et al. **J Steroid Biochem** 1984 Apr;20(4A):853-6

ANALYSIS

Factors affecting the frequency of occurrence of spironolactone bodies in aldosteronomas and non-tumorous cortex. Cohn D, et al. **Pathology** 1983 Jul;15(3):273-7

DIAGNOSTIC USE

Androgens in the feedback regulation of gonadotropin secretion in men: effects of administration of dihydrotestosterone to eugonadal and agonadal subjects and of spironolactone to eugonadal subjects. Gooren LJ, et al. **Andrologia** 1984 Jul-Aug;16(4):289-98

METABOLISM

The influence of age and multimorbidity on the pharmacokinetics and metabolism of spironolactone. Platt D, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):147-59

Determination of canrenone, the major metabolite of spironolactone, in plasma and urine by high-performance liquid chromatography. Krause W, et al. **J Chromatogr** 1983 Oct 14;277:191-9

PHARMACODYNAMICS

Effect of steroids on ACTH release from cultured pituitary cells of the rat. Julesz J, et al. **Acta Med Hung** 1984; 41(1):35-41

Formation of bilirubin monoglucuronide and diglucuronide in isolated rat hepatocytes. Effect of spironolactone. Mottino AD, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3157-61

The effects of phenobarbital, spironolactone and diazepam on hepatic 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in male and female rats. Nokubo M, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4147-51

Digoxin-quinidine-spironolactone interaction. Fenster PE, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):70-3

Influence of food intake on antihypertensive drugs: spironolactone. Thulin T, et al. **Drug Nutr Interact** 1983; 2(3):169-73

Studies of impaired aldosterone response to spironolactone-induced renin and potassium elevations in adenomatous but not hyperplastic primary aldosteronism. Kater CE, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V115-21

Bile secretion and liver microsomal enzyme modifications after chronic treatment with aldosterone, spironolactone, or furosemide. Afifi F. **Indian J Exp Biol** 1983 Dec; 21(12):686-9

Prolactin secretion in the human male is increased by endogenous oestrogens and decreased by exogenous/endogenous androgens. Gooren LJ, et al. **Int J Androl** 1984 Feb;7(1):53-60

The effects of acetazolamide and spironolactone on the body water distribution of rabbits during acute exposure to simulated altitude. Jain SC, et al. **Int J Biometeorol** 1984 May;28(2):101-7

Effect of spironolactone on electrolytes, renin, ACTH and corticosteroids in the rat. Chabert PR, et al. **J Steroid Biochem** 1984 Jun;20(6A):1253-9

Inhibition of corticotropin release in vitro by dexamethasone, aldosterone and spironolactone. Julesz J, et al. **J Steroid Biochem** 1983 Sep;19(3):1297-9

Relation of rates of excretion of urinary prostaglandin E metabolites to administration of angiotensin, aldosterone, and spironolactone in vivo. Fretland DJ, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):65-78

[The effect of spironolactone and trichlormethiazide on blood pressure, plasma dry weight and plasma potassium in the elderly hypertension] Nakada I, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):491-9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Spironolactone and propranolol in the management of hypertension. Akbar fA, et al. **Br J Clin Pract** 1984 Mar; 38(3):110-4

Oral spironolactone improves acne vulgaris and reduces sebum excretion. Goodfellow A, et al. **Br J Dermatol** 1984 Aug;111(2):209-14

Testosterone, 17 Ks, 17 beta E2 FSH-LH variations and hirsutism modifications during spironolactone therapy. Spandri P, et al. **Clin Exp Obstet Gynecol** 1984; 11(1-2):49-54

Effect of spironolactone on testosterone and LHRH responsiveness in women with polycystic ovarian disease. Evron S, et al. **Isr J Med Sci** 1984 Jul;20(7):630-3

In vitro responses of aldosterone-producing adenomas to angiotensin II and ACTH after treatment with spironolactone before adrenalectomy. Wisgerhof M. **J Lab Clin Med** 1984 Aug;104(2):160-5

The effect of spironolactone in hypertensive patients on regular haemodialysis and after renal allotransplantation. Papadimitriou M, et al. **Life Support Syst** 1983 Jul-Sep; 1(3):197-205

Spontaneous resolution of adenocarcinoma [letter] Davies PG. **Med J Aust** 1984 Feb 18;140(4):248

Effect of oral diuretics on pulmonary mechanics in infants with chronic bronchopulmonary dysplasia: results of a double-blind crossover sequential trial. Kao LC, et al. **Pediatrics** 1984 Jul;74(1):37-44

[Spironolactone in idiopathic hirsutism, clinical and biological evaluation of treatment] Abramovici Y, et al. **Ann Endocrinol (Paris)** 1983;44(6):393-6 (Eng. Abstr.) **(Fre)**

[Multi-centric study for the evaluation of the antihypertensive efficacy of hydrochlorothiazide and spironolactone association: comparison between 2 dosages schemes] Fariello R, et al. **Clin Ter** 1983 Jun 30; 105(6):477-85 (Eng. Abstr.) **(Ita)**

SPIROPLASMA

Neuropathology of spiroplasma infection in the rat brain. Bastian FO, et al. **Am J Pathol** 1984 Mar;114(3):496-514

Localization and persistence of spiroplasmas in an experimental brain infection in suckling rats. Tully JG, et al. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):111-7

The aster yellows controversy: current status. Sinha RC. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):737-43 (25 ref.)

CLASSIFICATION

Spiroplasma apis, a new species from the honey-bee Apis mellifera. Mouches C, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):383-97

Comparison of the amino acid compositions and antigenic properties of spiralins purified from the plasma membranes of different spiroplasmas. Wróblewski H, et al. **Ann Microbiol (Paris)** 1984 Jan-Feb;135A(1):73-82

Spiroplasmas of Group I: the Spiroplasma citri cluster. Bové JM, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):573-82 (47 ref.)

Proposed subgroups of spiroplasmas of high guanine plus cytosine content, group IV. McCoy RE. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):593-8

Analysis of spiroplasma proteins: contribution to the taxonomy of group IV spiroplasmas and the characterization of spiroplasma protein antigens. Mouches C, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):431-7

Characterization and taxonomic status of tick spiroplasmas: a review. Tully JG, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):599–603 (24 ref.)

Serological classification of spiroplasmas: current status. Whitcomb RF, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):453–9

GENETICS

Characterization of two cryptic plasmids from Spiroplasma citri and occurrence of their DNA sequences among various spiroplasmas. Mouches C, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):17–24

Molecular and biological features of mollicutes (mycoplasmas). Razin S, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):9–15

Characterization and molecular cloning in Escherichia coli of a plasmid from the mollicute Spiroplasma citri. Mouches C, et al. **J Bacteriol** 1983 Nov;156(2):952–5

Molecular biology of spiroplasma plasmids. Barber CE, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):777–81

Survey of plasmids in various mycoplasmas. Harasawa R, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):783–8

A plasmid from S. citri strain M14 hybridizes with extrachromosomal DNAs from other spiroplasmas, including corn stunt spiroplasma E275, tick spiroplasma 277F, and coco spiroplasma N525. Mouches C, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):723–7

Mycoplasma evolution: a review of the use of ribosomal and transfer RNA nucleotide sequences in the determination of phylogenetic relationships. Walker RT. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):367–72 (25 ref.)

GROWTH & DEVELOPMENT

Characterization of Spiroplasma mirum (suckling mouse cataract agent) in a rabbit lens cell culture. Megraud F, et al. **Infect Immun** 1983 Dec;42(3):1168–75

Growth and division of Spiroplasma citri: elongation of elementary helices. Garnier M, et al. **J Bacteriol** 1984 Apr; 158(1):23–8

Survival of Mycoplasma, Acholeplasma and Spiroplasma at different temperatures. Yoshitake Y, et al. **Kurume Med J** 1983;30(2):51–6

Spiroplasma taxonomy and identification of the sex ratio organisms: can they be cultivated? Williamson DL, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):583–92

ISOLATION & PURIFICATION

Spiroplasma citri–induced lethal wilting of periwinkles is prevented by prior or simultaneous infection of the periwinkle by an MLO. Saillard C, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):163–8

The Emmy Klieneberger–Nobel Award lecture. Reflections on recovery of some fastidious mollicutes with implications of the changing host patterns of these organisms. Tully JG. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):799–813 (42 ref.)

METABOLISM

Substrate utilization in defined media. Chang CJ, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):439–45

PATHOGENICITY

Pathogenicity of mollicutes for insects: possible use in biological control. Clark TB, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):141–50

Rabbit lens cell cultures in the characterization of Spiroplasma mirum pathogenicity. McGarrity GJ, et al. **Ann Microbiol (Paris)** 1984 Mar–Apr;135(2):249–54

Pathogenicity of Spiroplasma apis and other spiroplasmas for honey–bees in southwestern France. Mouches C, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):151–5

Insect cell cultures in the study of attachment and pathogenicity of spiroplasmas and mycoplasmas. Steiner T, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):47–53

Studies on the pathogenicity of spiroplasmas for Drosophila pseudoobscura. Williamson DL. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):157–62

PHYSIOLOGY

Spiroplasmas in leafhoppers: a review. Markham PG. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):745–51 (16 ref.)

Viruses of Spiroplasma citri and their possible effects on pathogenicity. Townsend R. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):771–6 (13 ref.)

ULTRASTRUCTURE

Spiroplasma fibrils. Townsend R. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):447–52 (20 ref.)

SPIROSTANS

PHARMACODYNAMICS

[Action of the steroid glycoside deltonin on the bacterial membranes of Micrococcus lysodeikticus] Turgenbaeva DA, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec; 19(6):788–94 (Eng. Abstr.) **(Rus)**

SPIRUROIDEA

Human pleuropulmonary gnathostomiasis: a case report from Israel. Nagler A, et al. **Isr J Med Sci** 1983 Sep;19(9):834–7

GROWTH & DEVELOPMENT

Polypoid gastritis in a scaly anteater caused by larvae of Gendrespirura sp. Gardiner CH, et al. **J Wildl Dis** 1984 Jan;20(1):68–70

PHYSIOLOGY

Creeping eruption caused by Gnathostoma spinigerum. Bhaibulaya M, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):266–8

ULTRASTRUCTURE

Tetrameres columbicola (Nematoda: Spiruridae) infection of pigeons: ultrastructure of the gravid female in glands of the proventriculus. Simpson CF, et al. **Am J Vet Res** 1984 Jun;45(6):1184–92

SPLANCHNIC CIRCULATION

The changed activity of the serum kallikrein–kinin system after ligation of the superior mesenteric artery in rats. Juhász M, et al. **Acta Chir Hung** 1983;24(3):135–41

Splanchnic glucose metabolism during leg exercise in 60–hour–fasted human subjects. Björkman O, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E443–8

Splanchnic and renal contributions to circulatory homeostasis in sodium depletion. Echtenkamp SF, et al. **Am J Physiol** 1983 Oct;245(4):H573–9

Relation between intestinal motility and mesenteric blood flow in the conscious dog. Fioramonti J, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G108–13

Clearance of 9–micron spheres and rubidium in the intestinal circulation. Gelman S, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G13–8

Splanchnic clearance of plasma vasopressin in the dog: evidence for prehepatic extraction. Matsui K, et al. **Am J Physiol** 1983 Dec;245(6):E611–5

Splanchnic arterial blood flow in rats with portacaval shunts. More N, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G331–4

Effect of polycythemia on gastrointestinal blood flow and oxygenation in piglets. Nowicki PT, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G220–5

Splanchnic vasomotor and metabolic adjustments to hypoxia and exercise in humans. Rowell LB, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H251–8

Role of basal glucagon levels in the regulation of splanchnic glucose output and ketogenesis in insulin–deficient humans. Björkman O, et al. **Clin Physiol** 1984 Jun;4(3):227–41

Heterogeneity of splanchnic vascular transit times in man. Winkler K, et al. **Clin Physiol** 1983 Dec;3(6):537–44

Role of the splanchnic bed in extracting circulating adrenaline and noradrenaline in normal subjects and in patients with cirrhosis of the liver. Keller U, et al. **Clin Sci** 1984 Jul;67(1):45–9

The 75–g oral glucose tolerance test: effect on splanchnic metabolism of substrates and pancreatic hormone release in healthy man. Waldhäusl WK, et al. **Diabetologia** 1983 Dec;25(6):489–95

Effects of experimental cirrhosis on splanchnic microvascular fluid and solute exchange in the rat. Barrowman JA, et al. **Gastroenterology** 1984 Jul;87(1):165–72

Microbubble dynamics visualized in the intact capillary circulation. Feinstein SB, et al. **J Am Coll Cardiol** 1984 Sep;4(3):595–600

Abnormal meal carbohydrate disposition in insulin–dependent diabetes. Relative contributions of endogenous glucose production and initial splanchnic uptake and effect of intensive insulin therapy. Pehling G, et al. **J Clin Invest** 1984 Sep;74(3):985–91

Hepatic perfusion and splanchnic oxygen consumption in patients postinjury. Gottlieb ME, et al. **J Trauma** 1983 Sep; 23(9):836–43

Analysis of the wall permeability of blood vessels in the rat mesentery. Gahm T, et al. **Res Exp Med (Berl)** 1984; 184(1):1–15

[Infection from the viewpoint of the neurosurgeon with special reference to infection–induced splanchnic insufficiency and reduced portal vein circulation] Klein HJ. **Beitr Infusionther Klinis Ernahr** 1983;10:51–69 **(Ger)**

[Paralytic ileus in surgery of the abdominal aorta. Experimental study. V: Survey of electromagnetic flowmetry] Sortini A, et al. **Chir Patol Sper** 1982 Aug; 30(4):111–24 (Eng. Abstr.) **(Ita)**

[Changes in the microcirculatory bed and blood microcirculation in the mesentery of the small intestine of rabbits with experimental hypercholesterolemia] Tutatchikov VP. **Arkh Anat Gistol Embriol** 1983 Dec; 85(12):51–7 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of the adrenergic innervation of the microvessels and terminal blood flow in stress] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):30–6 (Eng. Abstr.) **(Rus)**

[Role of the hypophysis in adaptation of the microcirculatory system to single and repeated stress] Gorizontova MP, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):43–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Central and splanchnic haemodynamics in the dog during controlled hypotension with sodium nitroprusside. Lagerkranser M, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):81–6

Divergent influences of leukotrienes C4, D4, and E4 on mesenteric and renal blood flow. Chapnick BM. **Am J Physiol** 1984 Apr;246(4 Pt 2):H518–24

Effects of nicotine on canine intestinal blood flow and oxygen consumption. Gallavan RH Jr, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G195–203

Central and splanchnic hemodynamics in the dog during controlled hypotension with adenosine. Lagerkranser M, et al. **Anesthesiology** 1984 Jun;60(6):547–52

Dihydroergotamine decreases the blood content in the skeletal musculature but etilefrine hydrochloride in the splanchnic region in man. Arndt JO, et al. **Basic Res Cardiol** 1984 Mar–Apr;79(2):244–52

Lidocaine therapy in awake endotoxemic Yucatan minipigs. II. Hepatosplanchnic metabolism. Fettman MJ, et al. **Circ Shock** 1984;13(2):211–26

Influence of somatostatin on splanchnic haemodynamics in patients with liver cirrhosis. Eriksson LS, et al. **Clin Physiol** 1984 Feb;4(1):5–11

Corticotropin releasing factor–like peptides produce selective dilatation of the dog mesenteric circulation. MacCannell KL, et al. **Gastroenterology** 1984 Jul;87(1):94–102

Digoxin–specific antibody fragments and a calcium antagonist for reversal of digoxin–induced mesenteric vasoconstriction. Hess T, et al. **J Pharm Pharmacol** 1983 Oct;35(10):647–51

Decreased nutrient blood flow during dopamine– and epinephrine–induced intestinal vasodilation. Giraud GD, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):214–20

Interaction between oral hydralazine and propranolol. I. Changes in absorption, presystemic clearance and splanchnic blood flow. Heinzow B, et al. **J Pharmacol Exp Ther** 1984 May;229(2):509–14

Selective gastrointestinal circulatory changes due to a vasopressin hormonogen in the cat. Greenstein RJ, et al. **Mt Sinai J Med (NY)** 1983 Nov–Dec;50(6):498–500

The effect of continuous vasopressin infusion on splanchnic blood flow, liver function, and portal and central venous pressures in patients with cirrhosis. Ranek L, et al. **Scand J Clin Lab Invest** 1984 May;44(3):251–6

Reaction of blood pressure and mesenteric blood flow to an infusion of biogenic amines in rats: influence of irradiation and alpha blockers. Timmermans R. **Strahlentherapie** 1984 Aug;160(8):513–20

[Effects of pGRP and its related peptides on canine splanchnic and femoral arterial blood flow] Yamashita Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun; 80(6):1272–80 (Eng. Abstr.) **(Jpn)**

[Effect of tricholysine on microcirculation in an experiment] Gavrilov OK, et al. **Gematol Transfuziol** 1983 Dec; 28(12):45–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Acute post–irradiation canine intestinal blood flow. Cockerham LG, et al. **Int J Radiat Biol** 1984 Jan; 45(1):65–72

SPLANCHNIC NERVES

DRUG EFFECTS

Effects of beta adrenergic blocking drugs and trifluperidol on intestinal motility and splanchnic nerve activity in cats. Szenohradszky J, et al. **Acta Chir Hung** 1983;24(4):307–21

Interaction of prostaglandin E2 and bradykinin in the induction of afferent splanchnic nerve discharges in cats. Ohno T, et al. **Jpn J Pharmacol** 1984 Feb;34(2):191–202

PHYSIOLOGY

Tonic and phasic modifications of viscerosensory evoked potentials during sleep in cats. Kukorelli T, et al. **Acta Physiol Hung** 1983;61(4):237–46

Autonomic nervous control of pancreatic somatostatin secretion. Holst JJ, et al. **Am J Physiol** 1983 Dec; 245(6):E542–8

Fine afferent fibers from viscera do not terminate in the substantia gelatinosa of the thoracic spinal cord. Cervero F, et al. **Brain Res** 1984 Mar 5;294(2):370–4

Regulation of locus coeruleus neurons and splanchnic, sympathetic nerves by cardiovascular afferents. Elam M, et al. **Brain Res** 1984 Jan 9;290(2):281–7

Response characteristics of cat spinothalamic tract neurons to splanchnic nerve stimulation. Rucker HK, et al. **Brain Res** 1984 Jan 23;291(2):383–7

Effects of hypothalamic lesion on pancreatic autonomic nerve activity in the rat. Yoshimatsu H, et al. **Brain Res** 1984 Jun 11;303(1):147–52

Vasoconstrictor systems supplying skeletal muscle, skin, and viscera. Jänig W. **Clin Exp Hypertens [A]** 1984; 6(1–2):329–46

Splanchnic nervous control of the stomach of the spiny dogfish, Squalus acanthias. Nilsson S, et al. **Comp Biochem Physiol [C]** 1983;76(2):271–6

Responses of T2–T4 spinal neurons to stimulation of the greater splanchnic nerves of the cat. Ammons WS, et al. **Exp Neurol** 1984 Feb;83(2):288–301

Stimulation of splanchnic afferents reflexly relaxes tracheal smooth muscle in dogs. Rybicki KJ, et al. **J Appl Physiol** 1983 Aug;55(2):427–32

Splanchnic afferent input to the lateral reticular nucleus of the cat. Perrin J, et al. **J Auton Nerv Syst** 1983 Aug; 8(4):383–93

Greater splanchnic excitation of primate T1–T5 spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1984 Mar;51(3):592–603

alpha- 1 and alpha-2 type adrenoceptors involved in the inhibitory effect of splanchnic nerves on parasympathetically stimulated gastric acid secretion in rats. Yokotani K, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):305–10

Interactions between splanchnic and vagus nerves in the control of mean intragastric pressure in the ferret. Andrews PL, et al. **J Physiol (Lond)** 1984 Jun;351:473–90

Characteristics of the neuroendocrine responses to stimulation of the splanchnic nerves in bursts in the conscious calf. Bloom SR, et al. **J Physiol (Lond)** 1984 Jan; 346:533–45

Neuroendocrine responses to stimulation of the splanchnic nerves in bursts in the conscious adrenalectomized calf. Bloom SR, et al. **J Physiol (Lond)** 1984 Jan;346:519–31

Renal modulation of electrically stimulated adrenal medullary secretion. Badder EM, et al. **J Surg Res** 1984 Feb;36(2):158–62

Effects of desipramine, trifluoperazine and other inhibitors of calmodulin on the secretion of catecholamines from the adrenal medulla and postganglionic sympathetic nerves of the salivary gland. Wakade AR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):320–7

Some aspects of a study of habituation in visceral systems. Musyashchikova SS, et al. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):326–33

[Descending inhibition from mesencephalic ventromedial periaqueductal gray upon viscero-intercostal reflex] Sonoda H. **Masui** 1983 Dec;32(12):1497–512 (Eng. Abstr.) **(Jpn)**

[Effect of glycine on peripheral mechanisms of regulation of autonomic functions] Godovalova LA, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):492–6 **(Rus)**

[Projections of the visceral and somatic afferent systems to identified neurons of the supraoptic nucleus] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):279–83 (Eng. Abstr.) **(Rus)**

[Significance of experimental surgical procedures in practice using models of viscero-visceral reflexes originating in the gallbladder taking into account viscero-cerebral effects] Lindeman M. **Khirurgiia (Sofiia)** 1983;36(2):162–8 **(Rus)**

SURGERY

[Splanchnicectomy by Dubois' transhiatal approach. Technics, indications and results. Apropos of 25 nerve sections for visceral abdominal pain] Michotey G, et al. **J Chir (Paris)** 1983 Aug–Sep;120(8–9):487–91 (Eng. Abstr.) **(Fre)**

SPLEEN

Nonoperative diagnosis of intrathoracic splenosis. Scales FE, et al. **AJR** 1983 Dec;141(6):1273–4

The influence of hyperglycaemia, hyperinsulinaemia and genetic background on the fate of intrasplenically implanted mouse islets. Andersson A. **Diabetologia** 1983 Sep;25(3):269–72

Dynamic contrast enhancement of the upper abdomen: effect of contrast medium and body weight. Kormano M, et al. **Invest Radiol** 1983 Jul–Aug;18(4):364–7

Splenosis: a beneficial condition [editorial] Orda R. **J R Soc Med** 1983 Nov;76(11):909–10

Left suprarenal mass following splenectomy: case reports. Rao KG, et al. **J Urol** 1984 Aug;132(2):323–5

Ectopic spleen tissue in the pancreas of Himalayan rabbits. Harleman JH. **Lab Anim Sci** 1983 Oct;33(5):463–4

Patient sues UCLA over patent on cell line [news] Culliton BJ. **Science** 1984 Sep 28;225(4669):1458

Bowel obstruction due to infarcted splenosis. Sirinek KR, et al. **South Med J** 1984 Jun;77(6):764–7

Spleno-gonadal fusion. A case report. Currie AB, et al. **Z Kinderchir** 1984 Feb;39(1):74–5

[Primary pregnancy on the surface of the spleen] Chvála J, et al. **Cesk Gynekol** 1983 Jun;48(5):371–3 **(Cze)**

[Torsion of an accessory spleen] Valleix D, et al. **Ann Chir** 1983 Sep;37(6):440–2 (Eng. Abstr.) **(Fre)**

[Intrathoracic splenosis. Apropos of a case] Brune J, et al. **Rev Fr Mal Respir** 1980;8(3):195–200 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Atypical polysplenia only with absence of the hepatic segment of inferior vena cava in a middle-aged. Miyabara S, et al. **Acta Pathol Jpn** 1984 Jan;34(1):111–6

Nephroangiotomographic diagnosis of retroperitoneal spleen. Report of a case. Bianchi SD, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):391–3

Sonography of the accessory spleen. Subramanyam BR, et al. **AJR** 1984 Jul;143(1):47–9

Lymphoma presenting as an abdominal mass involving an ectopic spleen. Barloon TJ, et al. **Am J Gastroenterol** 1984 Sep;79(9):684–6

Probable autosomal recessive inheritance of polysplenia, situs inversus and cardiac defects in an Amish family. Arnold GL, et al. **Am J Med Genet** 1983 Sep;16(1):35–42

Familial clustering of situs inversus totalis, and asplenia and polysplenia syndromes. Niikawa N, et al. **Am J Med Genet** 1983 Sep;16(1):43–7

Hypertension from ipsilateral renin hypersecretion following kidney upper pole compression by the spleen. Bosio M, et al. **Am J Nephrol** 1984;4(4):257–9

Congenital atrioventricular block in right atrial isomerism (asplenia). A case due to atrionodal discontinuity. Rossi L, et al. **Chest** 1984 Apr;85(4):578–80

Hepatobiliary imaging as an aid in determining situs in a case of polysplenia. Polga JP, et al. **Clin Nucl Med** 1984 Mar; 9(3):159–60

Radiologic diagnosis of wandering spleen complicated by splenic volvulus and infarction. Salomonowitz E, et al. **Gastrointest Radiol** 1984;9(1):57–9

Atrioventricular valve diverticulum—an unusual congenital malformation. Gerlis LM, et al. **Int J Cardiol** 1984 Jul; 6(1):75–8

Splenogonadal relation. Eidelman A, et al. **Isr J Med Sci** 1984 Jun;20(6):539–41

Wandering spleen in supra-hepatic position. Leeman M, et al. **J Belge Radiol** 1984;67(1):25–7

Sickle cell beta thalassemia with absence of spleen (a case report). Hardikar JV, et al. **J Postgrad Med** 1983 Oct; 29(4):251–2

Wandering spleen. Zakaria MA. **J R Coll Surg Edinb** 1983 Jul;28(4):265–6

Sonographic appearance of accessory spleen. Katz JF, et al. **JCU** 1984 Mar–Apr;12(3):163–5

Pneumococcal vaccine in asplenic children. Ehrengut W. **Klin Padiatr** 1984 Jan–Feb;196(1):58–9

Asplenia and polysplenia malformation complexes explained by abnormal embryonic body curvature. Hutchins GM, et al. **Pathol Res Pract** 1983 Jun;177(1):60–76

Angiography of azygos continuation of inferior vena cava in situs ambiguus with left isomerism (polysplenia syndrome). Roguin N, et al. **Pediatr Radiol** 1984; 14(2):109–12

Multiple visceral congenital anomalies in a calf. Prieur DJ, et al. **Vet Pathol** 1984 Jul;21(4):452–4

Splenogonadal fusion. Kufaas T, et al. **Z Kinderchir** 1983 Aug;38(4):232–6

[Tomodensitometry in focal splenic pathology] Anjou A, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):275–83 (Eng. Abstr.) **(Fre)**

[Wandering spleen. Apropos of a case in a 4-year-old girl] Colnet H, et al. **Arch Fr Pediatr** 1984 Feb;41(2):139–41 (Eng. Abstr.) **(Fre)**

[Current status of surgical treatment of univentricular heart disease and complicated cardiac anomalies associated with asplenia and polysplenia syndrome] Shirotani H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):821–4 (Eng. Abstr.) **(Jpn)**

[Accessory spleen demonstrated by splenic scintigraphy] Katsuragi M, et al. **Rinsho Hoshasen** 1984 Jan;29(1):173–4 **(Jpn)**

[Case of polysplenia syndrome] Kobayashi Y, et al. **Rinsho Hoshasen** 1983 Aug;28(8):899–902 (Eng. Abstr.) **(Jpn)**

[Concurrent presence of wandering spleen and accessory spleen: report of a case] Takahashi M, et al. **Rinsho Hoshasen** 1984 Apr;29(4):527–30 (Eng. Abstr.) **(Jpn)**

[Surgical treatment for cardiac anomalies with visceroatrial heterotaxic syndrome] Takanashi Y, et al. **Rinsho Kyobu Geka** 1984 May;4(3):317–23 (Eng. Abstr.) **(Jpn)**

[Torsion and rupture of floating spleen in combination with destructive appendicitis in a 13-year-old girl] Galnanov FKh, et al. **Vestn Khir** 1983 Jul;131(7):114 **(Rus)**

[Functioning of an accessory spleen in a splenectomized patient] López Alvarez-Buhilla P, et al. **An Esp Pediatr** 1984 Mar 15;20(4):425–7 **(Spa)**

[Asplenia, polysplenia and accessory spleens. Incidence and association with other congenital malformations] Ambrosius-Diener K, et al. **Bol Med Hosp Infant Mex** 1983 Oct;40(10):560–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

Cerebral and visceral organ gangliosides and related glycolipids in gm1-gangliosidosis type 1, type 2 and chronic type. Taketomi T, et al. **Adv Exp Med Biol** 1984; 174:419–29

Isolation and characterization of glycosphingolipids with J blood group activity from bovine spleen. Oulevey J, et al. **Anim Blood Groups Biochem Genet** 1984;15(1):41–53

Thymosin beta 10, a new analog of thymosin beta 4 in mammalian tissues. Erickson-Viitanen S, et al. **Arch Biochem Biophys** 1983 Sep;225(2):407–13

Oligosaccharides on cathepsin D from porcine spleen. Nakao Y, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):43–54

Structure and immunological localization of spleen sulfolipid. Sarlieve LL, et al. **Biochim Biophys Acta** 1984 Aug 15; 795(1):166–8

H1-histamine receptors may mediate the contractile response of guinea-pig ileum to 'histamine-free' splenic extracts. Ainz LF, et al. **Br J Pharmacol** 1983 Jun;79(2):373–8

Partial purification and characterization of an endogenous granulomonopoiesis inhibitor from calf spleen. Kastner M, et al. **Hoppe Seylers Z Physiol Chem** 1984 Feb; 365(2):129–35

Isolation and identification of thymosin alpha 1 from calf spleen using high performance liquid chromatography. Danho W, et al. **Int J Pept Protein Res** 1984 Jun; 23(6):630–6

Separation of non-muscle isoactins in the free form or as profilactin complexes. Segura M, et al. **J Biol Chem** 1984 Mar 25;259(6):3949–54

Separation by high-performance liquid chromatography of two types of subunit from horse spleen ferritin. Gowan LK, et al. **J Chromatogr** 1983 Jul 22;264(3):463–8

Isolation of goat spleen phosphonolipids by thin-layer chromatography: their identification and silicic acid column chromatographic separation. Moschidis MC. **J Chromatogr** 1983 Oct 7;268(3):485–92

Studies on lipids from liver and spleen of a child (O.L.) with Niemann-Pick's disease type C. Harder A, et al. **J Clin Chem Clin Biochem** 1984 Feb;22(2):199–201

Accumulation and chemical forms of cadmium and its effect on essential metals in rat spleen and pancreas. Suzuki KT, et al. **J Toxicol Environ Health** 1983 Apr–Jun; 11(4–6):727–37

Murine splenocytes release an inhibitory peptide of lymphocyte DNA synthesis into serum-free culture medium. Okai Y. **Mol Biol Rep** 1984 Jul;10(1):57–62

Isolation of sheep spleen ferritin. Farah MO, et al. **Res Vet Sci** 1984 Jul;37(1):1–6

[Immunohistologic findings in the liver, spleen, brain and skeletal muscles in fatal cholestatic viral hepatitis (following double infection with hepatitis B and non-A/non-B?)] Storch VW, et al. **Dtsch Z Verdau Stoffwechselkr** 1983; 43(4):173–84 (Eng. Abstr.) **(Ger)**

[The protein forming a gel with actin in a splenic extract is myosin] Gioeva FK, et al. **Dokl Akad Nauk SSSR** 1984; 274(5):1248–50 **(Rus)**

[Properties of mouse spleen residual condensed chromatin associated with the nuclear matrix] Barbashov SF, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):840–5 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Pericapillary spongy sheaths in the human spleen. An immunohistological study. Brozman M. **Acta Anat (Basel)** 1984;118(1):34–7

Freeze-fracture of biological specimens prior to conductive staining. Iida N. **Arch Histol Jpn** 1984 Mar;47(1):79–88

The amount of white pulp in the spleen; a morphometrical study done in methacrylate-embedded splenectomy specimens. van Krieken JH, et al. **Histopathology** 1983 Sep; 7(5):767–82

Endogenous blood levels of corticosterone control the immunologic cell mass and B cell activity in mice. del Rey A, et al. **J Immunol** 1984 Aug;133(2):572–5

The architecture of the spleen of the Red-eared Slider, Chrysemys scripta elegans (Reptilia, Testudines). Kroese FG, et al. **J Morphol** 1982 Sep;173(3):279–84

Determination of a splenic volumetric index by ultrasonic scanning. Pietri H, et al. **J Ultrasound Med** 1984 Jan; 3(1):19–23

Sonographic measurements of the normal liver, spleen, pancreas, and portal vein. Niederau C, et al. **Radiology** 1983 Nov;149(2):537–40

[Applied anatomy of the preserved spleen segment] Hu RZ. **Chung Hua I Hsueh Tsa Chih** 1984 Jan;64(1):21–4 (Eng. Abstr.) **(Chi)**

[Sonographic determination of spleen size and spleen weight] Frank K, et al. **Ultraschall Med** 1984 Jun;5(3):104–7 (Eng. Abstr.) **(Ger)**

[Surgical anatomy of the pancreas and spleen in the most common experimental animals] Farinon AM, et al. **Chir Patol Sper** 1982 Aug;30(4):125–35 (Eng. Abstr.) **(Ita)**

[Measurement of organ volume by single photon emission computed tomography: a method of contour determination and its evaluation with phantom studies] Nakazawa K, et al. **Kaku Igaku** 1984 Jan;21(1):1–6 (Eng. Abstr.) **(Jpn)**

[Anatomic basis of splenic segmentation] Sánchez Quintana D, et al. **Rev Esp Enferm Apar Dig** 1984 Apr;65(4):325–33 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Splenic regeneration and blood flow after ligation of the splenic artery or partial splenectomy. Pabst R, et al. **Am J Surg** 1984 Mar;147(3):382–6

Fibrous thickening of the splenic capsule. A response to chronic splenic congestion. Wanless IR, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):595–9

The sickle cell trait in relation to the training and assignment of duties in the armed forces: II. Aseptic splenic necrosis. Diggs LW. **Aviat Space Environ Med** 1984 Apr;55(4):271–6

Sonographic detection of large spontaneous spleno-renal shunts and its clinical significance. Takayasu K, et al. **Br J Radiol** 1984 Jul;57(679):565–70

Measurement of splenic blood flow in the anaesthetised dog using electromagnetic flowmetry and indium labelled platelets. Peters AM, et al. **Cardiovasc Res** 1983 Nov; 17(11):710–8

Splenic blood flow and blood cell kinetics. Peters AM. **Clin Haematol** 1983 Jun;12(2):421–47 (128 ref.)

The red pulp of the spleen: structural basis of blood flow. Weiss L. **Clin Haematol** 1983 Jun;12(2):375–93 (97 ref.)
Vascular arrangement of the mammalian spleen as revealed by injection replica scanning electron microscopy. Kajihara H, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):433–42
Staining of human splenic sinusoids and demonstration of unusual banded structures by monoclonal antisera. Stuart AE, et al. **J Clin Pathol** 1983 Oct;36(10):1176–80
Circulatory pathways in the sinusal spleen of the dog, studied by scanning electron microscopy of microcorrosion casts. Schmidt EE, et al. **J Morphol** 1983 Nov;178(2):111–23
The intermediate circulation in the nonsinusal spleen of the cat, studied by scanning electron microscopy of microcorrosion casts. Schmidt EE, et al. **J Morphol** 1983 Nov;178(2):125–38
Methods of measuring splenic blood flow and platelet transit time with In-111-labeled platelets. Peters AM, et al. **J Nucl Med** 1984 Jan;25(1):86–90
Intravascular contrast agents suitable for magnetic resonance imaging. Runge VM, et al. **Radiology** 1984 Oct;153(1):171–6
Ellipsoids in the human spleen. Buyssens N, et al. **Virchows Arch [A]** 1984;403(1):27–40
The collateral arterial network of the spleen following ligation of the splenic artery in traumatic rupture of the spleen; an arteriographic study. Keramidas DC, et al. **Z Kinderchir** 1984 Feb;39(1):50–1
Immuno- and enzyme histochemical studies on the sheathed capillaries in the marginal zone of the human spleen. Brozman M. **Z Mikrosk Anat Forsch** 1984;98(2):284–92
[Vascular segmentation of the spleen in the newborn infant. Anatomical support for partial resection] Mandarim-Lacerda CA, et al. **J Chir (Paris)** 1983 Aug–Sep; 120(8–9):471–3 (Eng. Abstr.) **(Fre)**
[Quantitative assessment of hepatic and splenic blood flow detected by Tc-99m-Sn colloid liver scintigraphy] Narabayashi I, et al. **Kaku Igaku** 1983 Jun;20(5):625–31 (Eng. Abstr.) **(Jpn)**
[Thrombotic thrombocytopenic purpura with IgM deposition in small arterial walls of the spleen] Arashi M, et al. **Rinsho Ketsueki** 1983 Jul;24(7):868–73 (Eng. Abstr.) **(Jpn)**
[Distribution of blood flow in the brain, kidney, intestine, spleen and hindlimb of cats with acute hypoxia] Iripkhanov BB, et al. **Fiziol Zh SSSR** 1984 May;70(5):728–31 **(Rus)**
[Characteristics of the role of the hydroxyl group in serotonin in the pharmacological and antiradiation effect of serotonin] Vasin MV, et al. **Radiobiologiia** 1984 May–Jun;24(3):411–4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Dissociation of natural killer activity and antibody-dependent cellular cytotoxicity in spleen cells of tumor bearing mice. Ono M, et al. **Acta Med Okayama** 1983 Aug;37(4):367–76
Ability of spleen cells from tumor bearing mice to transfer immunologic memory. Plavšić B, et al. **Acta Radiol [Oncol]** 1983;22(5):385–8
The anatomy of peripheral lymphoid organs with emphasis on accessory cells: light-microscopic immunocytochemical studies of mouse spleen, lymph node, and Peyer's patch. Witmer MD, et al. **Am J Anat** 1984 Jul;170(3):465–81
Incorporation of killer functions from murine T-cytotoxic spleen cultures in somatic hybrids. Castellazzi M, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):341–54
Lipofuscin in lymphocytes and plasma cells in aging. Beregi E, et al. **Arch Gerontol Geriatr** 1983 Nov;2(3):229–35
The distinction of the white pulp from the red pulp in guinea pig spleen by the use of sequential histoenzymatic methods. Godlewski A, et al. **Basic Appl Histochem** 1983; 27(3):157–62
Isolation of Kurloff cells by Percoll density gradient centrifugation. Protein labeling with 35S-methionine of these cells. Landemore G, et al. **Biol Cell** 1984;50(2):121–6
In vitro culture of spleen hairy cells. Carli PM, et al. **Biomed Pharmacother** 1983;37(9–10):471–3
Differential effects of age on mitotically active and inactive bone marrow stem cells and splenic T cells in mice. Akagawa T, et al. **Cell Immunol** 1984 Jun;86(1):53–63
Splenic natural killer-cell activity in mice infected with Leishmania donovani. Kirkpatrick CE, et al. **Cell Immunol** 1984 Apr 15;85(1):201–14
Frequency of influenza-responsive cytolytic T-lymphocyte precursors in the thymus and spleen of unprimed mice. Owen JA, et al. **Cell Immunol** 1984 Apr 1;84(2):403–8
Spontaneous proliferation in unfractionated spleen cell cultures: autologous mixed-lymphocyte reactions (AMLR) which can be differentially regulated by prostaglandins and lymphokines. Zuberi RI, et al. **Cell Immunol** 1984 Apr 1; 84(2):299–310
Distribution of peanut agglutinin binding sites in rat lymphatic organs. Kabir A, et al. **Cell Struct Funct** 1983 Mar;8(1):29–34
Cells forming spleen colonies at 7 or 11 days after injection have different proliferation rates. Chertkov JL, et al. **Cell Tissue Kinet** 1984 May;17(3):247–52
Pathways of lymphocyte migration within the periarterial lymphoid sheath of rat spleen. Brelińska R, et al. **Cell Tissue Res** 1984;236(3):661–7
Macrophages and interdigitating cells; their relationship to migrating lymphocytes in the white pulp of rat spleen. Brelińska R, et al. **Cell Tissue Res** 1983;233(3):671–88
In-vivo effects of lipopolysaccharide on lymphoid and non-lymphoid cells in the mouse spleen. Migration of marginal metallophils towards the follicle centres. Groeneveld PH, et al. **Cell Tissue Res** 1983;234(1):201–8
Subsets of blood, spleen and recirculating lymphocytes in man. Reinecke G, et al. **Clin Exp Immunol** 1983 Sep; 53(3):672–8
Antigen-specific suppression of collagen arthritis by adoptive transfer of spleen cells. Brahn E, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):124–31
Autoregulation of autoantibody synthesis in mercuric chloride nephritis in the Brown Norway rat. II. Presence of antigen-augmentable plaque-forming cells in the spleen is associated with humoral factors behaving as auto-anti-idiotypic antibodies. Chalopin JM, et al. **Eur J Immunol** 1984 May;14(5):470–5
Radiation sensitivity and cycling status of mouse bone marrow prothymocytes and day 8 colony forming units spleen (CFUs). Boersma WJ. **Exp Hematol** 1983 Nov; 11(10):922–30
Biological and biochemical properties of a serum factor that stimulates splenic hemopoiesis in mice. Staber FG, et al. **Exp Hematol** 1984 Feb;12(2):107–13
Effects of ACTH on adrenocortical cells autotransplanted in the rat spleen: ultrastructural and morphometric observations. Robba C, et al. **Exp Pathol** 1984;25(2):115–9
Induction of nonspecific killer T cells from non-immune mouse spleen cells by culture with interleukin 2. Nishimura T, et al. **Gann** 1984 Feb;75(2):177–86
Peroxidase immunocytochemistry for the detection of specific anti-hapten (penicilloyl) antibody producing cells in the spleen, after injection of a hapten-carrier conjugate. van Rooijen N, et al. **Immunol Commun** 1984;13(1):29–34
Anamnestic chemiluminescence of murine spleen cells. Wong LS, et al. **Immunol Commun** 1984;13(3):285–90
Immature chicken B cells with immunocompetence restricted to IgM type do not elicit the formation of germinal centres. Nishi M, et al. **Immunology** 1983 Dec;50(4):671–3
Effect of purine nucleoside phosphorylase substrates on the mitogen-induced stimulation of murine T and B spleen cells. Martineau R, et al. **Immunopharmacology** 1983 Dec; 6(4):289–302
Interleukin 2 production induced by chemically defined cell membrane modification. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):102–6
Identification and distribution of megakaryocyte colonies in murine spleen. Choudhury C, et al. **Int J Cell Cloning** 1983 Oct;1(5):389–400
Characteristics of proliferation and differentiation of spleen colony-forming cells from bone marrow. Chu-tse W, et al. **Int J Cell Cloning** 1984 Mar;2(2):69–80
In vitro production of CFU-S and cells with erythropoiesis repopulating ability by 5-fluorouracil treated mouse bone marrow. Hodgson GS, et al. **Int J Cell Cloning** 1983 Apr; 1(1):49–56
Histiocytic and dendritic reticulum cells shown by a zinc iodide-osmium technique. Crocker J, et al. **J Clin Pathol** 1984 Jun;37(6):620–7
Dendritic cells induce T lymphocytes to release B cell-stimulating factors by an interleukin 2-dependent mechanism. Inaba K, et al. **J Exp Med** 1983 Dec 1; 158(6):2040–57
Mouse spleen dendritic cells present soluble antigens to antigen-specific T cell hybridomas. Sunshine GH, et al. **J Exp Med** 1983 Nov 1;158(5):1745–50
Antigen binding to lymphoid cells of unimmunized mice. V. Use of pure in vitro colony-derived cell populations in studies of the identification and clonal distribution of multiple antigen-binding cells. DeLuca D. **J Immunogenet** 1984 Feb;11(1):45–62
Antigen binding to lymphoid cells from unimmunized mice. VI. Specificity of purified multiple antigen-binding cells. DeLuca D. **J Immunogenet** 1984 Feb;11(1):63–78
Antigen binding to lymphoid cells from unimmunized mice. VII. Restriction of antigen-binding capacity by maturing B lymphocytes. DeLuca D. **J Immunogenet** 1984 Feb; 11(1):79–96
mIgM:mIgD ratios on B cells: mean mIgD expression exceeds mIgM by 10-fold on most splenic B cells. Havran WL, et al. **J Immunol** 1984 Apr;132(4):1712–6
In vitro induction of cytotoxic polymorphonuclear leukocytes by supernatant from a concanavalin A-stimulated spleen cell culture. Inoue T, et al. **J Immunol** 1983 Nov;131(5):2508–14
A helper factor needed for the generation of mouse cytolytic T lymphocytes is made by tumor cell lines, cloned T cells, and spleen cells exposed to a variety of stimuli. Taku A, et al. **J Immunol** 1984 Jul;133(1):502–8
Quantitative analysis of Fc gamma receptors on murine spleen cell populations by using dual parameter flow cytometry. Titus JA, et al. **J Immunol** 1984 Aug; 133(2):556–61
Reverse enzyme-linked immunospot assay (RELISPOT) for the detection of cells secreting immunoreactive substances. Czerkinsky CC, et al. **J Immunol Methods** 1984 Sep 4; 72(2):489–96
Lymphocyte isolation from human spleen by counterflow centrifugation employing two different flow chambers on line. Janssen JT, et al. **J Immunol Methods** 1984 May 11; 70(1):23–30
Fine needle aspiration cytology of the spleen of tumor bearing mice. Lersch C, et al. **J Immunol Methods** 1984 Feb 10;66(2):307–12
A method for size separation of murine spleen cells using counterflow centrifugation. Thompson CB, et al. **J Immunol Methods** 1983 Oct 28;63(3):299–307
Effect of soluble antigen on the ellipsoid-associated cells of the chicken's spleen. Oláh I, et al. **J Leukocyte Biol** 1984 May;35(5):501–10
Membrane structure and the tenuously maintained resistance to staining with N epsilon-dansyl-L-lysine shown by many cells. Humphries GM, et al. **J Membr Biol** 1984; 77(2):115–22
Reevaluation of zinc deficiency on concanavalin-A-induced rat spleen lymphocyte proliferation. Kramer TR. **J Nutr** 1984 May;114(5):953–63
Regulation of splenic CFU-S kinetics after cytosine arabinoside treatment in mice II. In vitro studies: long-range modulators of the splenic CFU-S. Sainteny F, et al. **Leuk Res** 1984;8(2):285–93
Age-dependent changes in the cellularity and ultrastructure of the spleen of Fischer F344 rats. Cheung HT, et al. **Mech Ageing Dev** 1983 May;22(1):23–33
Role of spontaneous interstitial cell testicular tumors on the mitogen reactivity of spleen cells from aged male Fischer-344 rats. Cross RJ, et al. **Mech Ageing Dev** 1984 Jun;25(3):349–53
The influence of in vivo incubation of aged murine spleen colony-forming units on their proliferative capacity. Inoue T, et al. **Mech Ageing Dev** 1983 Oct;23(2):177–90
Selective association of lipid-rich R-like lipopolysaccharide subunits with murine spleen cells. Goodman SA, et al. **Mol Immunol** 1984 Aug;21(8):689–97
Specific adoptive immunotherapy by local transfer of cultured syngeneic spleen cells for mammary carcinoma in mice. Kan N, et al. **Nippon Geka Hokan** 1983 Mar 1; 52(2):185–95
Equal distribution of T-lymphocyte subpopulations in thymus and spleen cells of NZB and BALB/c mice. Müller-Quernheim J, et al. **Rheumatol Int** 1984;4(1):31–4
Modified distribution of lymphocyte subpopulation in blood and spleen from mice exposed to cadmium. Ohsawa M, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):29–35
Hemopoietic reconstitution of marrow and spleens in mice after whole-body irradiation and marrow transplantation. Adler SS. **Transplantation** 1984 May;37(5):517–20
Mechanisms of tolerance in murine radiation bone marrow chimeras. I. Nonspecific suppression of alloreactivity by spleen cells from early, but not late, chimeras. Auchincloss H Jr, et al. **Transplantation** 1983 Oct;36(4):436–41
Analysis of lymphoid and dendritic cells in human lymph node, tonsil and spleen. A study using monoclonal and heterologous antibodies. van der Valk P, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):169–85
[Mitogenic responses of splenic lymphoid cells of rats exposed in vitro to normobaric oxygen] Kraus L, et al. **C R Seances Acad Sci [III]** 1983;297(9):463–5 (Eng. Abstr.) **(Fre)**
[Morphometry of Malpighian bodies in thymectomized rats] Vecchi C, et al. **Riv Biol** 1983 Autumn;76(3):489–92 **(Ita)**
[Induction of antibody biosynthesis in rat spleen cells by murine immunogenic RNA] Sikorska EJ. **Med Dosw Mikrobiol** 1983;35(3–4):277–84 (Eng. Abstr.) **(Pol)**
[Progenitors of transitory spleen colonies in mouse embryonal liver] Gan OI, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):727–9 (Eng. Abstr.) **(Rus)**
[Endogenous CFU-S in the djungarian hamster and the morphological typing of the colonies] Starostin VI. **Ontogenez** 1983 Sep–Oct;14(5):536–9 (Eng. Abstr.) **(Rus)**
[Acid hydrolysis characteristics of spleen colony cells under Feulgen staining] Kuz'mina LV, et al. **Tsitologiia** 1983 Nov; 25(11):1335–40 (Eng. Abstr.) **(Rus)**
[Migration of natural killer precursors from the bone marrow to the spleen] Khaitov RM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):62–5 (Eng. Abstr.) **(Rus)**
[Structural bases of the function of the spleen in man] Brozman M. **Cesk Fysiol** 1983;32(5):435–7 (6 ref.) **(Slo)**

DRUG EFFECTS

Ampicillin effect on lymphatic tissue of mice and its reaction to sheep erythrocytes. Mościcka-Wesołowska M, et al. **Acta Physiol Pol** 1983 May–Jun;34(3):369–81
In vivo effects of lipopolysaccharide on lymphoid and non-lymphoid cells in the mouse spleen. Reduction of T-lymphocytes and phagocytosis in the inner parts of the periarteriolar lymphocyte sheath. Groeneveld PH, et al. **Cell Tissue Res** 1984;236(3):637–42
The effect of sex steroids and hormonal contraceptives upon thymus and spleen on intact female rats. Kuhl H, et al. **Contraception** 1983 Dec;28(6):587–601
Babesia hylomysci and Babesia microti: dexamethasone treatment of infected mice. Hussein HS. **Exp Parasitol** 1984 Apr;57(2):165–71
Experimental elimination of the splenic function by ethyl and methyl palmitate and significance of these substances from an immunological point of view. Sebestík V, et al. **Folia Haematol (Leipz)** 1983;110(6):917–23
Inhalation toxicity of dehydrothio-p-toluidine. Kennedy GL Jr, et al. **Food Chem Toxicol** 1984 Apr;22(4):289–92
Kinetics of the histological changes in lymphoid organs and of the T-cell inducing capacity of serum in mice treated with Imuthiol (sodium diethyldithiocarbamate). Pompidou A, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):172–7

The acute effects of single and repeated injections of acrolein and other aldehydes. Warholm M, et al. **Int J Tissue React** 1984;6(1):61–70

Effects of antigen stimulation and interleukin-1 on in vivo splenic zinc changes in the A/J mouse. Flynn A. **J Am Coll Nutr** 1983;2(3):205–13

Differential counts of B and T lymphocytes in the lymph nodes, circulating blood and spleen after inhalation of high concentrations of diesel exhaust. Dziedzic D. **J Appl Toxicol** 1981 Apr;1(2):111–5

Effects of coal dust and diesel exhaust on immune competence in rats. Mentnech MS, et al. **J Toxicol Environ Health** 1984;13(1):31–41

The effect of methylcellulose on extrarenal erythropoietin production. Zuckerman GB, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):197–202

Effect of protracted Diazepam treatment on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):657–62

Effect of single diazepam administration on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):663–8

Differences in GM-CSF production from mouse peripheral blood and spleen cells stimulated by different lectins. Alonso MC, et al. **Rev Esp Fisiol** 1983 Jun;39(2):175–8

Stimulation of spleen cells and macrophages of C3H/HeJ mice by a lipid A precursor derived from Salmonella typhimurium. Vogel SN, et al. **Rev Infect Dis** 1984 Jul–Aug;6(4):535–41

[Contradictory effect of cortisol on the incorporating activity of isolated liver and spleen polyribosomes in rats] Angelov E. **Eksp Med Morfol** 1983;22(1):15–20 (Eng. Abstr.) **(Bul)**

[The compensative effect of Chinese drugs invigorating kidney or spleen on disturbed ovarian function of adrenalectomized or thyroidectomized rats] Li BR, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):227–9 (Eng. Abstr.) **(Chi)**

[The effect of spleen and kidney tonifying Chinese drugs on mouse erythropoiesis] Xie RF. **Chung Yao Tung Pao** 1983 Nov;8(6):35–8 **(Chi)**

[Morphological findings in lymph nodes, spleen and liver in the rat following treatment with polyvinylpyrrolidone and trypan blue (light microscopy studies)] Nakopoulou L, et al. **Zentralbl Allg Pathol** 1984;129(2):105–10 (Eng. Abstr.) **(Ger)**

[Effect of retinoids on rat spleen] Afanas'ev IuI, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):494–8 (Eng. Abstr.) **(Rus)**

[Effect of dexamethasone on the nature of the distribution of colonies produced by bone marrow and spleen CFUs in thymectomized mice] Moroz BB, et al. **Gematol Transfuziol** 1984 Apr;29(4):32–5 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Morphological observations of the fetal rat spleen during prolonged gestation. Thliveris JA, et al. **Acta Anat (Basel)** 1983;117(3):231–8

The development of the spleen in the Australian lungfish, Neoceratodus forsteri Krefft, with special reference to its relationship to the 'gastro'-enteric vasculature. Saito H. **Am J Anat** 1984 Mar;169(3):337–60

[Cellular composition of hemopoietic tissue of the liver and spleen in the human fetus] Balashova VA, et al. **Arkh Anat Gistol Embriol** 1984 Apr;86(4):80–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effects of cystamine in vitro on thymidylate synthetase activity of the mouse erythropoietic tissue. Panfil B, et al. **Acta Pol Pharm** 1983;40(5–6):693–4

Tyrosine-specific protein kinases of normal tissues. Swarup G, et al. **Adv Enzyme Regul** 1984;22:267–88

Characterization of adenosine deaminating activity in normal and adenosine deaminase deficient human tissue. Van der Weyden MB, et al. **Adv Exp Med Biol** 1984;165 Pt B:67–70

Purification of intracellular phospholipase A2 from rat spleen supernatant by reverse-phase high-performance liquid chromatography. Tojo H, et al. **Anal Biochem** 1984 Mar; 137(2):533–7

Lysosomal enzymes in the spleen of albino rats, mice and Mastomys natalensis during Plasmodium berghei infection. Saxena JK, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):637–40

Regulation of platelet activating factor synthesis: modulation of 1-alkyl-2-lyso-sn-glycero-3-phosphocholine:acetyl-CoA acetyltransferase by phosphorylation and dephosphorylation in rat spleen microsomes. Lenihan DJ, et al. **Biochem Biophys Res Commun** 1984 May 16; 120(3):834–9

Characterization of the multiple forms of hydroxymethylbilane synthase from rat spleen. Williams DC. **Biochem J** 1984 Feb 1;217(3):675–83

Biosynthesis of uroporphyrinogens. Interaction among 2-(aminomethyl)bilanes and the enzymatic system. Sburlati A, et al. **Biochemistry** 1983 Aug 16;22(17):4006–13

The cohydrolases in human spleen that stimulate glucosyl ceramide beta-glucosidase. Iyer SS, et al. **Biochim Biophys Acta** 1983 Oct 17;748(1):1–7

Variations in 5'-nucleotidase activity in established mesenchymal cell lines from syngeneic A/J mice. Uchino R, et al. **Cell Struct Funct** 1983 Jun;8(2):119–26

Heterogeneity of beta-galactosidase from rabbit spleen. Separation and characterization of different forms. Rodriguez-Berrocal FJ, et al. **Enzyme** 1983;30(3):196–204

Analysis of competition for substrate sites in an allosteric enzyme with co-operative kinetics. Effects of dAMP and dUMP on donkey spleen deoxycytidylate aminohydrolase. Mastrantonio S, et al. **Eur J Biochem** 1983 Dec 15; 137(3):421–7

Stimulation of RNA polymerases from mouse spleen by polyamines and its modification by ammonium sulfate. Blair DG. **Int J Biochem** 1984;16(7):747–56

Effects of tritiated water ingestion on mice: III. Hexokinase isozymes in brain, liver and spleen up to five generations. Sharan RN, et al. **Int J Radiat Biol** 1984 Jul;46(1):83–93

Purification and characterization of a purple acid phosphatase from rat spleen. Hara A, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):67–74

Affinity separation of an acid phosphatase from rat tissues and Gaucher spleen with immobilized Cibacron Blue. Hara A, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):721–7

Phosphorylation of human fibrinogen in vitro by calcium-activated phospholipid-dependent protein kinase from pig spleen. Humble E, et al. **J Biochem (Tokyo)** 1984 May;95(5):1435–43

(2'-5')Oligoadenylate synthetase in pig spleen: isolation and characterization. Shimizu N, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1421–8

Separation and properties of three forms of cathepsin H-like cysteine proteinase from rat spleen. Yamamoto K, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):477–84

Activators of spleen glucocerebrosidase from controls and patients with various forms of Gaucher's disease. Basu A, et al. **J Biol Chem** 1984 Feb 10;259(3):1714–9

Activator protein for the degradation of globotriaosylceramide by human alpha-galactosidase. Gärtner S, et al. **J Biol Chem** 1983 Oct 25;258(20):12378–85

Novel carbohydrate structures of cathepsin B from porcine spleen. Takahashi T, et al. **J Biol Chem** 1984 May 25; 259(10):6059–62

Cathepsins B and H from porcine spleen. Purification, polypeptide chain arrangements, and carbohydrate content. Takahashi T, et al. **J Biol Chem** 1984 Aug 10; 259(15):9874–82

Purification and characterization of UDP-N-acetylgalactosamine: globotriaosylceramide beta-3-N-acetylgalactosaminyltransferase, a synthase of human blood group P antigen, from canine spleen. Taniguchi N, et al. **J Biol Chem** 1984 May 10; 259(9):5637–42

Conversion of progesterone to deoxycorticosterone in guinea pig spleen: an animal model for the study of steroid 21-hydroxylase activity in extra adrenal sites. Winkel CA, et al. **J Steroid Biochem** 1983 Nov;19(5):1635–8

The influence of dehydration media and catalyst systems upon the enzyme activity of tissues embedded in 2-hydroxyethyl methacrylate: an evaluation of three dehydration media and two catalyst systems. Gerrits PO, et al. **Mikroskopie** 1983 Dec;40(11–12):321–8

Human leukocyte elastase-like proteinase purified by affinity chromatography with Suc-L-Tyr-D-Leu-D-Val-pNA, and its identification with human spleen fibrinolytic proteinase. Nagamatsu Y, et al. **Thromb Haemost** 1984 Apr 30;51(2):243–7

[Further studies on modification of phenoloxidase by effectors] Schmidt H, et al. **Acta Histochem (Jena)** 1983; 73(2):259–71 (Eng. Abstr.) **(Ger)**

[Immunochemical study of bovine spleen thiol proteinases: cathepsinS B, H and L] Lokshina LA, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):50–3 (Eng. Abstr.) **(Rus)**

[Changes in the activity of flavoprotein-dependent monooxygenase of immunocompetent cells in the mouse in response to antigens and low-molecular immunomodulators] Golovenko NIa, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):42–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The ontogenetic development of the follicular dendritic cell. An ultrastructural study by means of intravenously injected horseradish peroxidase (HRP)-anti-HRP complexes as marker. Dijkstra CD, et al. **Cell Tissue Res** 1984; 236(1):203–6

Neuroimmunomodulation with enkephalins: effects on thymus and spleen weights in mice. Plotnikoff NP, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):52–6

Developmental changes of ganglioside compositions and biosyntheses in rat bone marrow cells, spleen and thymus. Taki T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):925–30

IMMUNOLOGY

Activation of NK activity and auto-reactive cytotoxicity after hepatectomy. Ono M, et al. **Acta Med Okayama** 1984 Apr;38(2):207–13

Babesiosis in splenectomized adults. Review of 22 reported cases. Rosner F, et al. **Am J Med** 1984 Apr;76(4):696–701 (54 ref.)

Antigenic phenotype of splenic hairy cells. Tubbs RR, et al. **Am J Med** 1984 Feb;76(2):199–205

Immunohistochemical studies of the spleen in hairy-cell leukemia. Meijer CJ, et al. **Am J Pathol** 1984 May; 115(2):266–74

Experimental autoimmune damage to rat male accessory glands. I. Transfer of autoimmune response by spleen cells. Depiante-Depaoli M, et al. **Am J Reprod Immunol** 1984 Jan–Feb;5(1):9–14

The development of specific antibody-containing cells in the spleen of rabbits during the secondary immune response against free or liposome-associated albumin antigen. van Rooijen N, et al. **Anat Rec** 1984 Apr;208(4):579–87

Double immunocytochemical evidence for a clonal development of specific antibody-containing cells in the rabbit spleen. van Rooijen N, et al. **Anat Rec** 1984 Jul; 209(3):385–90

Effector and regulator functions of splenic and thymic lymphocytes in the clawed toad Xenopus. Hsu E, et al. **Ann Immunol (Paris)** 1983 Nov-Dec;134D(3):277–92

Resistance to Pseudomonas aeruginosa septicemia in mice after transfer of immune spleen cells. Marisz-Babczyszyn J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):199–207

Modulation of antibody responses to Vibrio cholerae in mice by adoptive transfer of Peyer's patch lymphocytes from orally immunised donors. Ahmed A, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):705–11

Effect of vitamin-A deficiency on plaque forming response of antibody producing spleen cells against Salmonella typhimurium in rats. Faruque SM, et al. **Bangladesh Med Res Counc Bull** 1983 Dec;9(2):37–42

Role of spleen in immune response to polyvalent pneumococcal vaccine. Di Padova F, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1829–32

Concanavalin A-induced and spontaneous suppressor cell activities in peripheral blood lymphocytes and spleen cells from gastric cancer patients. Toge T, et al. **Cancer** 1983 Nov 1;52(9):1624–31

Distribution of anti-histone-antibody-secreting cells in NZB/NZW mice. Portanova JP, et al. **Cell Immunol** 1984 Sep;87(2):485–93

Antigen-specific augmentation of delayed-type hypersensitivity by a humoral factor in the culture supernatant of immune spleen cells. Yamada A, et al. **Cell Immunol** 1984 Mar;84(1):206–9

Diffusible suppressor factor from splenic macrophages in murine plasmacytoma. Chen YH, et al. **Clin Exp Immunol** 1984 Jul;57(1):171–7

IgG-induced experimental immune synovitis: hormonal modulation of in vitro splenic immune responses to homologous antigens. Kresina TF, et al. **Clin Exp Immunol** 1984 Jul;57(1):63–72

Inhibition of antigen- and lectin-induced proliferation of rat spleen cells by a Taenia taeniaeformis proteinase inhibitor. Leid RW, et al. **Clin Exp Immunol** 1984 Jul;57(1):187–94

Defective splenic reticuloendothelial function in idiopathic membranous nephropathy. McGinley E, et al. **Clin Exp Immunol** 1984 May;56(2):295–301

The role of the spleen in the protective effect of C-reactive protein in Streptococcus pneumoniae infection. Nakayama S, et al. **Clin Exp Immunol** 1983 Nov;54(2):319–26

Long term administration of cyclophosphamide into MRL/1 mice. II. The effects on the isotype of anti-DNA antibodies and immunoglobulin secreting cells in the spleen. Shiraki M, et al. **Clin Exp Immunol** 1984 Mar;55(3):519–24

Genetic control of in vitro natural cell-mediated activity against Salmonella typhimurium by intestinal and splenic lymphoid cells in mice. Tagliabue A, et al. **Clin Exp Immunol** 1984 Jun;56(3):531–6

Neutral proteinases induce rheumatoid factor production in mouse spleen cell cultures. Vischer TL. **Clin Exp Immunol** 1984 Jan;55(1):99–105

The role of the spleen in experimental autoimmune thyroiditis. Weetman AP, et al. **Clin Exp Immunol** 1984 Apr;56(1):135–42

The role of the spleen in haemolysis. Ferrant A. **Clin Haematol** 1983 Jun;12(2):489–504 (142 ref.)

The spleen and thrombocytopenia. Karpatkin S. **Clin Haematol** 1983 Jun;12(2):591–604 (56 ref.)

Immunological functions of the spleen. Lockwood CM. **Clin Haematol** 1983 Jun;12(2):449–65 (99 ref.)

Cell surface antigens reacting with antiretrovirus sera on normal mouse spleen cells: a flow cytometric study. Szabó G Jr, et al. **Cytometry** 1983 Jul;4(1):47–53

Splenic macrophages during pregnancy in the mouse. Mattsson R, et al. **Dev Comp Immunol** 1984 Spring; 8(2):443–50

Surface immunoglobulin on granular and agranular leukocytes in the thymus and spleen of the snapping turtle, Chelydra serpentina. Mead KF, et al. **Dev Comp Immunol** 1984 Winter;8(1):109–20

Islet cell surface and lymphocyte antibodies often precede the spontaneous diabetes in the BB rat. Dyrberg T, et al. **Diabetologia** 1984 Feb;26(2):159–65

Marginal zone B cells express CR1 and CR2 receptors. Gray D, et al. **Eur J Immunol** 1984 Jan;14(1):47–52

Physiology of IgD. III. Effect of treatment with anti-IgD from birth on the magnitude and isotype distribution of the immune response in the spleen. Xue B, et al. **Eur J Immunol** 1984 Jan;14(1):81–6

Enlargement and immune activity of chick embryo host

spleen associated with transfer of B-haplotype-matched donor lymphoid cells. Seto F. **Exp Hematol** 1984 Jan; 12(1):53–9

Increase in the number of plaque-forming cells in the spleen of newborns from adoptively immunized mothers. Dorić M, et al. **Folia Biol (Praha)** 1984;30(2):141–4

Effect of mitogenic stimulation of murine splenocytes on PEG-induced cell fusion. Woloschak GE, et al. **Hybridoma** 1983;2(3):341–9

Suppression of the mixed lymphocyte reaction by alloantigen-primed and -stimulated human spleen lymphocytes. Akbar AN, et al. **Immunology** 1984 Feb; 51(2):361–6

Follicular trapping of hapten-erythrocyte-antibody complexes in mouse spleen. Enriquez-Rincon F, et al. **Immunology** 1984 May;52(1):107–16

Spontaneous cytotoxic T cells in murine spleen-cell cultures. II. Distinguishing between spontaneous cytotoxic T cells and NK cells according to kinetics and target selectivity. Ezaki T, et al. **Immunology** 1983 Nov;50(3):351–7

Spontaneous cytotoxic T cells in murine spleen-cell cultures. I. Some characteristics of effector and precursor cells. Ezaki T, et al. **Immunology** 1983 Nov;50(3):343–9

Relation of intra-splenic migration of marginal zone B cells to antigen localization on follicular dendritic cells. Gray D, et al. **Immunology** 1984 Aug;52(4):659–69

Antibodies against Fc receptors to aggregated IgG of mouse spleen cells: selective blocking of the receptors of splenocytes and peritoneal macrophages, and abolition of the phagocytosis enhancement produced by the opsonizing IgG antibodies. Kulberg AJ, et al. **Immunology** 1983 Nov; 50(3):335–41

Immunoregulation in experimental filariasis. IV. Induction of non-specific suppression following in vitro exposure of spleen cells from infected jirds to Brugia pahangi antigen. Lammie PJ, et al. **Immunology** 1984 Jun;52(2):221–9

Immunoregulation in experimental filariasis. III. Demonstration and characterization of antigen-specific suppressor cells in the spleen of Brugia pahangi-infected jirds. Lammie PJ, et al. **Immunology** 1984 Jun;52(2):211–9

Immature chicken B cells with immunocompetence restricted to IgM type do not elicit the formation of germinal centres. Nishi M, et al. **Immunology** 1983 Dec;50(4):671–3

Proliferation and emigration of newly formed lymphocytes from pig spleens during an immune response. Pabst R, et al. **Immunology** 1983 Oct;50(2):281–8

During frog ontogeny, PHA and Con A responsiveness of splenocytes precedes that of thymocytes. Rollins-Smith LA, et al. **Immunology** 1984 Jul;52(3):491–500

Effect of protein calorie malnutrition on the levels of natural and inducible cytotoxic activities in mouse spleen cells. Saxena QB, et al. **Immunology** 1984 Apr;51(4):727–33

Interleukin-2-induced activation of natural killer activity in spleen cells from old and young mice. Saxena RK, et al. **Immunology** 1984 Apr;51(4):719–26

Importance of oxidative metabolism in T cell cytotoxicity: a comparison of cloned T cells and spleen cells. Thorne KJ, et al. **Immunology** 1983 Dec;50(4):645–50

Activation of murine polymorphonuclear neutrophils for fungicidal activity with supernatants from antigen-stimulated immune spleen cell cultures. Brummer E, et al. **Infect Immun** 1984 Aug;45(2):447–52

Suppression of mixed lymphocyte culture by uremic adherent spleen cells and peritoneal macrophages is dependent on a cyclophosphamide-sensitive cell. Alevy YG, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):97–103

Immunotherapy of murine leukemia. XI. differential susceptibility of spleen cells from serum-protected mice to the in vitro immunosuppressive effects of Friend leukemia virus-infected splenocytes. Pettey CL, et al. **Int J Cancer** 1984 Aug 15;34(2):269–76

Activated macrophages are responsible for the tumor-inhibitory effect in mice receiving intravenous injection of OK-432. Saito M, et al. **Int J Cancer** 1984 Feb 15;33(2):271–6

Anterior chamber-associated immune deviation induced by TNP-splenocytes (TNP-ACAID). II. Suppressor T-cell networks. Waldrep JC, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1339–45

The immunologic and immunotherapeutic sequelae of intraperitoneal BCG. II: Serial changes in spleen weight, morphology, cell populations and in vitro mitogen responses. Roche WR, et al. **Ir J Med Sci** 1983 Aug; 152(8):307–10

Conversion of normal host splenocytes to suppressor cells by tumor-induced suppressor T-cell-derived factor(s): cyclophosphamide treatment reverses inhibitory activity. Elgert KD, et al. **J Biol Response Mod** 1983;2(3):238–50

Human spleen cells mediating natural killing: altered natural cytotoxicity of spleen effector cells from patients with carcinoma. Ali SA, et al. **J Cancer Res Clin Oncol** 1983; 106(3):202–9

Analysis of the mechanism of allograft rejection and cell-mediated immunity. II. Divergent effect of CY pretreatment on the generation of cytotoxic activity in the draining lymph nodes and spleen. Nanishi F, et al. **J Clin Lab Immunol** 1983 Sep;12(1):23–30

Trinitrophenyl modification of H-2k and H-2b spleen cells results in enhanced serological detection of Kk-like determinants. Levy RB, et al. **J Exp Med** 1984 May 1; 159(5):1464–72

Gamma interferon production and cytotoxicity of spleen cells from mice infected with Semliki Forest virus. Blackman MJ, et al. **J Gen Virol** 1984 May;65 (Pt 5):955–61

Strain difference in immune response of the rat to NRK cells infected with spleen focus-forming virus of the Friend leukaemia virus complex. Kai K, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2169–76

Double immunocytochemical staining in the study of antibody-producing cells in vivo. Detection of specific antibody-producing cells in the spleen and simultaneous determination whether or not they produce immunoglobulin G antibodies. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Jul;32(7):677–80

Double immunocytochemical staining in the study of antibody-producing cells in vivo. Simultaneous detection of cells producing monospecific antibodies and cells producing cross-reacting antibodies in the spleen of rabbits after injection of two related antigens. Van Rooijen N, et al. **J Histochem Cytochem** 1984 Aug;32(8):844–8

Genetic limits of thymic immunosuppression of anti-hapten antibody production in Xenopus laevis laevis, the South African clawed toad. Ruben LN, et al. **J Immunogenet** 1984 Feb;11(1):97–101

Clonal analysis of T cell unresponsiveness to alloantigens induced by neonatal injection of F1 spleen cells into parental mice. Feng HM, et al. **J Immunol** 1983 Nov; 131(5):2165–9

Role of accessory cell processing and presentation of shed H-2 alloantigens in allospecific cytotoxic T lymphocyte responses. Golding H, et al. **J Immunol** 1984 Aug; 133(2):597–605

Molecular signals in antigen presentation. II. Activation of cytolytic cells in vitro after ultraviolet radiation or combined gamma and ultraviolet radiation treatment of antigen-presenting cells. Granstein RD, et al. **J Immunol** 1984 May;132(5):2210–7

Suppression of Con A mitogen-induced proliferation of normal spleen cells by macrophages from chickens with hereditary muscular dystrophy. Kline K, et al. **J Immunol** 1984 Jun;132(6):2813–9

Natural suppressor (NS) cells found in the spleen of neonatal mice and adult mice given total lymphoid irradiation (TLI) express the null surface phenotype. Oseroff A, et al. **J Immunol** 1984 Jan;132(1):101–10

T cell-accessory cell interactions that initiate allospecific cytotoxic T lymphocyte responses: existence of both Ia-restricted and Ia-unrestricted cellular interaction pathways. Singer A, et al. **J Immunol** 1984 May; 132(5):2199–209

Supplemental zinc restores antibody formation in cultures of aged spleen cells. Winchurch RA, et al. **J Immunol** 1984 Aug;133(2):569–71

Intrasplenic primary immunization for the production of monoclonal antibodies. Spitz M, et al. **J Immunol Methods** 1984 May 11;70(1):39–43

Enhancement of the immune response to sheep erythrocytes in mice by phosphodiesterase-inhibiting dipyridamole derivatives. Lichtner R, et al. **J Immunopharmacol** 1984; 6(1–2):43–55

Effect of L-alanosine on immune response. Mistrello G, et al. **J Immunopharmacol** 1984;6(1–2):25–41

Phagocytosis in the spleen of the sunfish Lepomis spp. Fulop GM, et al. **J Morphol** 1984 Feb;179(2):175–95

Transfer of immunity against Strongyloides ratti (Nematoda) using immune spleen cells. Haddow WJ, et al. **J Parasitol** 1984 Feb;70(1):187–9

Effect of immune reconstitution on resistance to Brugia pahangi in congenitally athymic nude mice. Vickery AC, et al. **J Parasitol** 1983 Jun;69(3):478–85

Suppressive effects of Corynebacterium parvum on primary and secondary antibody responses in mice. Ansell JD, et al. **J Reticuloendothel Soc** 1983 Oct;34(4):311–21

Inheritance of immunogenicity and metastatic potential in murine cell hybrids from the T-lymphoma ESb08 and normal spleen lymphocytes. Larizza L, et al. **JNCI** 1984 Jun;72(6):1371–81

Adoptive transfer of immunity by spleen cells from LSA-lymphoma mice cured by BCNU. Maruyama Y, et al. **Leuk Res** 1984;8(4):629–36

Further delineation of the immunoarchitecture of the human spleen. Grogan TM, et al. **Lymphology** 1984 Jun;17(2):61–8

Changes in spleen cell proliferative responses and resistance to syngeneic tumor challenge in aging NBR rats. Hollingsworth MA, et al. **Mech Ageing Dev** 1983 Jul–Aug; 22(3–4):321–33

Recovery of nude mice from Sendai virus infection after adoptive transfer of spleen T cells or T cell-depleted spleen cells. Iwai H, et al. **Microbiol Immunol** 1983;27(5):465–9

Absence of detectable cytotoxic lymphocytes in the spleens of guinea pigs immunized with allogeneic cells. Kataoka T, et al. **Microbiol Immunol** 1983;27(7):619–29

Cells participating in immunologic memory induced with RNA from the spleens of immunized mice. Kodama K, et al. **Microbiol Immunol** 1984;28(5):611–8

Delayed-type hypersensitivity (DTH) response to dengue virus in mice: effect of route of sensitization and splenectomy. Pang T, et al. **Microbiol Immunol** 1983; 27(11):945–51

T cell regulation of IgA immunoglobulin production in gut-associated lymphoid tissues. Kawanishi H, et al. **Mol Immunol** 1983 Sep;20(9):917–30

An antigenic difference between cells forming early and late haematopoietic spleen colonies (CFU-S). Harris RA, et al. **Nature** 1984 Feb 16–22;307(5952):638–41

Induction of killer activity following local irradiation in intracranial tumor-bearing mice. Otsuka S, et al. **Neurol Med Chir (Tokyo)** 1983 Jul;23(7):529–33

Effects of bursectomy and splenectomy of white Leghorn roosters on subsequent northern fowl mite populations. DeVaney JA, et al. **Poult Sci** 1984 Jun;63(6):1276–8

Legionella pneumophila-induced immunostimulation and blastogenesis of normal mouse spleen cells in vitro. Friedman H, et al. **Proc Soc Exp Biol Med** 1983 Nov; 174(2):212–6

Alloimmunization induces an autoantibody reactive with a common, cryptic antigen. Killion JJ. **Proc Soc Exp Biol Med** 1984 Jul;176(3):309–12

Naturally occurring spleen-associated suppressor activity of the newborn mouse. Requirement for two genetic restrictions in suppression of lethal graft-versus-host disease by newborn spleen cells. Jadus MR, et al. **Scand J Immunol** 1984 Jul;20(1):81–91

Lymphoproliferation induced in mouse spleen cells by Mycoplasma arthritidis mitogen. Reversal of the defect of nonresponder mice. Kirchner H, et al. **Scand J Immunol** 1984 Aug;20(2):133–9

Induction of early alloantigen tolerance in thymus and spleen. Schwartz DH, et al. **Thymus** 1984;6(1–2):105–20

Persistence and specificity of accessory cell impairment in M-MuLV neonatally injected mice. Biasi G, et al. **Transplant Proc** 1983 Dec;15(4):2125–7

Augmentation of intestinal and peripheral natural killer cell activity during the graft-versus-host reaction in mice. Borland A, et al. **Transplantation** 1983 Nov;36(5):513–9

Lymphocyte recruitment properties of regional lymph node or spleen cells during skin allograft rejection. Hanto DW, et al. **Transplantation** 1983 Nov;36(5):578–81

Cytotoxicity of subpopulations of splenic cells from normal and fibrosarcoma – bearing mice towards syngeneic tumour cells. Aroskar VS, et al. **Tumori** 1983 Dec 31;69(6):489–96

Experiments with immunization of mice with blastocysts by an intrasplenic route. Nilsson BO, et al. **Ups J Med Sci** 1983;88(2):151–3

Massive increase in splenic germinal centres of chickens experimentally-infected with Trypanosoma brucei brucei. Joshua RA. **Vet Parasitol** 1983 Sep;13(2):101–8

Activation of macrophages by culture fluid of antigen-stimulated spleen cells collected from chickens immunized with Eimeria tenella. Onaga H, et al. **Vet Parasitol** 1983 Aug;13(1):1–11

Abrogation of the beneficial blood transfusion effect in dogs by splenectomy. Marquet RL, et al. **World J Surg** 1984 Jun;8(3):408–13

Presence of Schistosoma mansoni antigens in liver, spleen and kidney of infected mice: a sequential study. El-Dosoky I, et al. **Z Parasitenkd** 1984;70(4):491–7

[Fulminant infectious syndrome after post-traumatic splenectomy] Marcillon M, et al. **Ann Fr Anesth Reanim** 1983;2(2):92–4 (Eng. Abstr.) **(Fre)**

[Changes in the suppressive activity of splenic lymphocytes of mice induced in vitro by sodium periodate during magnesium deficiency] Claverie-Benureau S, et al. **C R Seances Acad Sci [III]** 1983;296(21):985–8 (Eng. Abstr.) **(Fre)**

[The activation of lymphocytes by the administration of syngeneic spleen cells and the specificity of these activated lymphocytes] Asai R. **Arerugi** 1984 Feb;33(2):88–95 (Eng. Abstr.) **(Jpn)**

[Suppression of IgE antibody production provoked by intravenous injection of antigen-pulsed heterogenetic spleen cells—a study on genetic regulation in induction of immediate tolerance and suppressor cells] Yagi S. **Arerugi** 1983 Apr;32(4):199–208 (Eng. Abstr.) **(Jpn)**

[Immunologic studies of herpes simplex keratitis. Characterization of immune spleen cells in herpes simplex keratitis in mice] Saito H. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1010–6 (Eng. Abstr.) **(Jpn)**

[NK activity, TCGF production and generation of cell-mediated cytotoxicity in spleen cells from gastric cancer patients] Akiyoshi T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):957–60 (Eng. Abstr.) **(Jpn)**

[Effect of splenic mononuclear cells on autochthonous peripheral blood lymphocyte responses to mitogens in gastric cancer patients] Kurosu Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):965–9 (Eng. Abstr.) **(Jpn)**

[Analysis of suppressor cell activities in spleen cells from gastric cancer patients and the effect of splenectomy on prognosis of gastric cancer] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):961–4 (Eng. Abstr.) **(Jpn)**

[Role of the spleen in tumor immunity—with special reference to anti-tumor immunity induced by solubilized and purified tumor-associated antigen] Yamamura M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):974–7 (Eng. Abstr.) **(Jpn)**

[Interferon therapy and natural killer activity in intracranial tumor-bearing mice] Otsuka S, et al. **Nippon Geka Hokan** 1983 Jan 1;52(1):67–71 (Eng. Abstr.) **(Jpn)**

[Functional changes of the antigen-providing cells caused by induction of immune tolerance] Hara M. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):738–46 (Eng.

Abstr.) (Jpn)

[Immunomorphological indices of the lymphocytes of the tonsil, appendix and spleen of the human fetus] Khlystova ZS, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):58–60 (Eng. Abstr.) (Rus)

[Effect of Fab-fragments of antibodies against spleen cell surface antigens on the development of antibody formation in cultures of different densities] Korukova AA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):315–7 (Eng. Abstr.) (Rus)

[Effect of T-activin on peripheral immunity organs in intact and thymectomized mice] Stetsenko ON, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):321–4 (Eng. Abstr.) (Rus)

[Effect of catecholamines and corticosteroids on the cyclic nucleotide level in the splenic cells of immunized and nonimmunized rats] Poltavchenko GM, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):231–8 (Eng. Abstr.) (Rus)

[A new method of detoxifying the body in an experiment] Safarov SIu, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):30–4 (Eng. Abstr.) (Rus)

[The spleen and its protective function in the body] Safarov SIu, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):86–91 (61 ref.) (Rus)

[Dynamics of the sensitization of splenic lymphocytes in the multiple immunization of mice with native or inactivated influenza A virus] Volgarev AP, et al. **Tr Inst Pastera** 1982; 58:22–5 (Rus)

INJURIES

Management of trauma to the spleen. Sherman R. **Adv Surg** 1984;17:37–71 (95 ref.)

Splenic trauma. Frye TA, et al. **Am Fam Physician** 1984 Jun; 29(6):149–50

Splenectomy for trauma in children: risks and alternatives. Dickerman JD. **Am J Pediatr Hematol Oncol** 1983 Fall; 5(3):279–82

Visceral injuries following external cardiac massage. Barrowcliffe MP. **Anaesthesia** 1984 Apr;39(4):347–50

Serious infections in adults following splenectomy for trauma. Zarrabi MH, et al. **Arch Intern Med** 1984 Jul;144(7):1421–4

Nonoperative management of splenic trauma. Conservative or radical treatment? Zucker K, et al. **Arch Surg** 1984 Apr; 119(4):400–4

The injured spleen: should consideration be given to conservative management? Hunter RA, et al. **Aust NZ J Surg** 1984 Apr;54(2):129–35

Blunt splenic trauma: diagnosis and management. Mustard RA Jr, et al. **Can J Surg** 1984 Jul;27(4):330–3

Computed tomographic evaluation of spontaneous healing of splenic hematoma. Rivero H, et al. **Comput Radiol** 1984 Jan–Feb;8(1):5–7

A simple method for determining splenic viability using sodium fluorescein. Pennino RP, et al. **Curr Surg** 1983 Sep–Oct;40(5):368–71

Colonic surgery. The splenic connection. Kusminsky RE, et al. **Dis Colon Rectum** 1984 Jan;27(1):35–7

Blunt traumatic splenic injury. Uthoff LB, et al. **IMJ** 1983 Sep;164(3):179–81

CT detection of iatrogenic percutaneous splenic injury. Rauch RF, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1018–21

Left lobe of the liver draping around the spleen: a pitfall in computed tomography diagnosis of perisplenic hematoma. Cholankeril JV, et al. **J Comput Tomogr** 1984 Jul;8(3):261–7

Establishment of a registry for patients undergoing splenic surgery for trauma. Fridlund PH, et al. **Milit Med** 1984 Mar;149(3):137–8

Current concepts in the management of splenic trauma: a review. Widman WD. **Milit Med** 1984 Jan;149(1):1–4 (18 ref.)

Healing in the traumatized spleen: sonographic investigation. Lupien C, et al. **Radiology** 1984 Apr;151(1):181–5

Conservative surgery in neonatal splenic injury. Case reports. Hadley GP, et al. **S Afr J Surg** 1984 May;22(2):97–101

Radionuclide imaging of the injured spleen and liver. Lutzker LG. **Semin Nucl Med** 1983 Jul;13(3):184–98 (64 ref.)

Accidental splenic injury during surgical treatment of the colon and rectum. Langevin JM, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):139–44

Nonoperative management of injuries of the spleen in adults. Morgenstern L, et al. **Surg Gynecol Obstet** 1983 Dec; 157(6):513–8

[Nonsurgical treatment of the injury-damaged spleen in children] Hájková H, et al. **Rozhl Chir** 1983 Nov; 62(11):758–66 (Eng. Abstr.) (Cze)

[Injuries of the spleen in children. Therapeutic management] Canarelli JP, et al. **Ann Chir** 1983 Sep;37(6):423–6 (Eng. Abstr.) (Fre)

[Tomodensitometry in focal splenic pathology] Anjou A, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):275–83 (Eng. Abstr.) (Fre)

[Splenic injuries: therapeutic orientation. Apropos of 46 cases] Bosc O, et al. **Chir Pediatr** 1984;25(1):1–5 (Eng. Abstr.) (Fre)

[Traumatic splenic lesions: the role of scintigraphy and non-surgical treatment] Danais S, et al. **Union Med Can** 1984 Jan;113(1):57–9, 62–4 (Eng. Abstr.) (Fre)

[Behavior of immunoglobulins following traumatologically indicated splenectomy] Schneck HJ, et al. **Fortschr Med** 1984 Mar 15;102(10):263–8 (Eng. Abstr.) (Ger)

[A case from practice (21): post-traumatic pseudocysts of the spleen] Fried M. **Schweiz Rundsch Med Prax** 1984 Feb 28;73(9):287–8 (Ger)

[An index of injuries] Belgerden S, et al. **Zentralbl Chir** 1984; 109(9):628–30 (Ger)

[Splenic injuries. Retrospective study] Belgerden S, et al. **Zentralbl Chir** 1984;109(11):760–4 (Ger)

[Value of angiography and echotomography in injuries of the spleen] Ugolotti U, et al. **Acta Biomed Ateneo Parmense** 1983;54(4):301–10 (Eng. Abstr.) (Ita)

[Conservative surgery in splenic injuries] Langlo L, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):171–4 (Eng. Abstr.) (Nor)

[Selective treatment of spleen injuries after blunt wounds] Langlo L, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30; 104(3):169–71 (Eng. Abstr.) (Nor)

[Intraoperative and early postoperative complications of vagotomy] Spivak VP, et al. **Klin Khir** 1983 Jul;(8):65–7 (Rus)

[Splenic conservative surgery in infants] Valoria Villamartín JM, et al. **An Esp Pediatr** 1983 Jun;18(6):489–92 (Eng. Abstr.) (Spa)

INNERVATION

Differential renal and splenic nerve responses to vagal and spinal afferent inputs. Weaver LC, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R78–87

Hydrophilic form of dopamine beta-hydroxylase from purified noradrenergic vesicles. Activities and comparisons. Gasparis MS, et al. **Neurochem Res** 1983 Nov;8(11):1417–39

METABOLISM

Evidence for an adenosine receptor in human tissues. Kurpis L, et al. **Adv Exp Med Biol** 1984;165 Pt A:497–500

Purine metabolism in splenocytes and thymocytes of various mammalian species. Peters GJ, et al. **Adv Exp Med Biol** 1984;165 Pt B:107–10

Inhibitory effect of cholesterol on the uptake of liposomes by liver and spleen. Patel HM, et al. **Biochim Biophys Acta** 1983 Dec 13;761(2):142–51

Macromolecular covalent binding of [14C]nitrobenzene in the erythrocyte and spleen of rats and mice. Goldstein RS, et al. **Chem Biol Interact** 1984 Jun;50(1):27–37

Effect of hypocalcemic protein P-MSY obtained from bovine parotid gland on the cyclic adenosine-5'-monophosphate and cyclic guanosine-5'-monophosphate contents of murine thymus and spleen cells. Yamamoto H, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1757–60

Spontaneous production of human gamma interferon in vitro by splenic lymphocytes of patients with idiopathic thrombocytopenic purpura. Hu YW, et al. **Clin Exp Immunol** 1984 May;56(2):459–63

Relative subunit composition of the ferritin synthesized by selected human lymphomyeloid cell populations. Dorner MH, et al. **Exp Hematol** 1983 Oct;11(9):866–72

Effect of acute plasma fibronectin depletion on tissue fibronectin levels: analysis by a new fluorescent immunoassay. Saba TM, et al. **Exp Mol Pathol** 1984 Aug; 41(1):81–95

Concanavalin A-induced interferon gamma production by murine spleen cells and T cell lines. Lack of correlation with Lyt 1,2 phenotype. Marcucci F, et al. **Immunobiology** 1984 May;166(3):219–27

Age-related changes in total DNA and RNA and incorporation of uridine and thymidine in rat liver, kidney and spleen. Messineo L, et al. **Int J Biochem** 1983; 15(9):1103–7

Clonal heterogeneity of cyclic AMP responsiveness: a comparison of malignant murine lymphoid cell lines. Burchiel SW, et al. **Int J Immunopharmacol** 1984;6(1):35–42

Phosphorylation of specific polypeptides in isolated murine splenocyte nuclei which is controlled by cyclic nucleotides. Hashizume H, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):961–6

Spleen cell phosphorylation of salt soluble nuclear protein from isoproterenol treated and sorted nuclei. Pipkin JL, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):323–33

Photoaffinity labeling of mammalian alpha 1-adrenergic receptors. Identification of the ligand binding subunit with a high affinity radioiodinated probe. Leeb-Lundberg LM, et al. **J Biol Chem** 1984 Feb 25;259(4):2579–87

Subunit dimers in sheep spleen apoferritin. The effect on iron storage. Mertz JR, et al. **J Biol Chem** 1983 Oct 10; 258(19):11719–26

Interferon production by cultured murine splenocytes in response to influenza virus-infected cells. Reiss CS, et al. **J Interferon Res** 1984;4(1):81–9

Increased sympathetic nervous system activity in rat spleen and heart following vitamin A depletion. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):163–70

Effect of various immunomodulators on the production of granulocyte/macrophage colony-stimulating factor (GM-CSF) in mouse spleen cell cultures. Shimizu M, et al. **J Pharmacobiodyn** 1983 Jun;6(6):415–22

Chemical characterization of the persistent fraction of hydroxyethyl starch in rat serum and spleen. Sum CY, et al. **Life Sci** 1983 Nov 14;33(20):1989–94

Cerebroside transfer protein. Radin NS, et al. **Methods Enzymol** 1983;98:613–22

Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice. Brinster RL, et al. **Nature** 1983 Nov 24–30;306(5941):332–6

Investigations concerning the correlation between liver cell proliferation, production of alpha-fetoprotein, and DNA-synthesis of lymphocytes in the spleen of NMRI-mice. An autoradiographic and immunohistochemical study. Tuczek HV, et al. **Pathol Res Pract** 1984 Mar;178(4):335–8

Proliferative compensation of residual radiation damage in the compartment of hematopoietic early progenitor cells of the mouse. Hübner GE, et al. **Radiat Environ Biophys** 1984;23(1):31–9

Nucleotide metabolism in spleen and peripheral blood lymphocytes during theophylline treatment. Ferrero ME, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul; 45(1):55–67

Are young platelets released in excess from the spleen in response to short-term physical exercise? Schmidt KG, et al. **Scand J Haematol** 1984 Feb;32(2):207–14

Transfer of ricin toxicity by spleen cells. McIntosh DP, et al. **Toxicon** 1984;22(2):293–9

[Release of prostaglandins by spleen cells in the mouse after incubation with thymosin] Mastino A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1670–3 (Eng. Abstr.) (Ita)

[Index of splenohepatic uptake of 99mTc-MMA in the diagnosis of diffuse hepatopathy] Cartia GL, et al. **Minerva Med** 1984 May 7;75(19):1117–21 (Eng. Abstr.) (Ita)

[Effect of levamisole on hemolysin production in the spleen of rats after chronic administration of thyrotropin] Samuleva SV, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):86–8 (Eng. Abstr.) (Rus)

[Change in the metabolic reserve of free amino acids in the peripheral blood and spleen during exposure to whole body uniform gamma-radiation] Konnova LA, et al. **Radiobiologiia** 1984 May–Jun;24(3):330–3 (Eng. Abstr.) (Rus)

[Various metabolic reactions of glycine in the animal organism] Gulyĭ MF, et al. **Ukr Biokhim Zh** 1983 Jul–Aug; 55(4):372–5 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Splenic abscess caused by Shigella flexneri and Bacteroides fragilis. Drow DL, et al. **J Clin Microbiol** 1984 Jan; 19(1):79–80

Selection of genetic variants of lymphocytic choriomeningitis virus in spleens of persistently infected mice. Role in suppression of cytotoxic T lymphocyte response and viral persistence. Ahmed R, et al. **J Exp Med** 1984 Aug 1; 160(2):521–40

Dextran sulphate 500 delays and prevents mouse scrapie by impairment of agent replication in spleen. Ehlers B, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1325–30

Lethal infection with murine cytomegalovirus after early viral replication in the spleen. Katzenstein DA, et al. **J Infect Dis** 1983 Sep;148(3):406–11

Cas spleen focus-forming virus. II. Further biological and biochemical characterization. Langdon WY, et al. **J Virol** 1983 Aug;47(2):329–36

Pathogenesis of mouse scrapie: distribution of agent in the pulp and stroma of infected spleens. Clarke MC, et al. **Vet Microbiol** 1984 Jul;9(3):215–25

Mouse mammary tumor virus DNA methylation: tissue-specific variation. Breznik T, et al. **Virology** 1984 Jul 15;136(1):69–77

PARASITOLOGY

Clinical presentation of visceral leishmaniasis in Kenya: a prospective study of 64 patients. Kager PA, et al. **Trop Geogr Med** 1983 Dec;35(4):323–31

PATHOLOGY

Lymphocyte subsets in the white pulp of human spleen in normal and diseased cases. Tanaka H, et al. **Acta Pathol Jpn** 1984 Mar;34(2):251–70

Ultrastructure of the spleens in childhood ITP with special reference to the foamy cells. Yamashita Y, et al. **Acta Pathol Jpn** 1984 Mar;34(2):325–34

Liver irradiation in stage IIIA Hodgkin's disease patients with splenic involvement. Lee CK, et al. **Am J Clin Oncol** 1984 Apr;7(2):149–57

Monoclonal antibodies to T-helper/inducer and T-suppressor/cytotoxic lymphocyte subsets recognize antigens on splenic sinusoidal lining cells. Buckley PJ, et al. **Am J Clin Pathol** 1984 Aug;82(2):167–72

Localized lymphoid hyperplasia of the spleen [letter] Harris NL. **Am J Surg Pathol** 1984 Jul;8(7):557–8

Comparison of early splenic changes associated with replication of viruses in murine monocytic macrophages. Kenyon AJ. **Am J Vet Res** 1984 May;45(5):1054–8

The risk of improperly staging Hodgkin's disease with partial splenectomy. Sterchi JM, et al. **Am Surg** 1984 Jan; 50(1):20–2

Localized blast crisis in the spleen in a patient with chronic myelocytic leukemia [letter] Inoshita T, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):609–10

Perfluorochemicals. Morphologic changes in infused liver, spleen, lung, and kidney of rabbits. Nanney L, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):631–7

Complement alternative pathway activation by chronic lymphocytic leukemia cells: its role in their hepatosplenic localization. Praz F, et al. **Blood** 1984 Feb;63(2):463–7

The relationship between human spleen and blood erythroid burstforming units (BFU–E). Meytes D, et al. **Br J Haematol** 1983 Oct;55(2):347–56

Overwhelming pneumococcal infection in a hyposplenic adult. Hatch JP, et al. **Can Med Assoc J** 1983 Oct 15; 129(8):851–4

Changes in splenic histology and cytology in mice bearing plasmacytomas. Berman JE, et al. **Cell Immunol** 1984 Aug; 87(1):137–46

Defective splenic function and its relation to bowel disease. Corazzo GR, et al. **Clin Gastroenterol** 1983 Sep; 12(3):651–69

Splenic simulation by left hepatic lobe following splenectomy. Noel A, et al. **Clin Nucl Med** 1984 Mar; 9(3):147–8

Laparoscopic splenic biopsy. Dagnini G, et al. **Endoscopy** 1984 Mar;16(2):55–8

Effects of submandibularectomy and castration on thymus and spleen weights in male mice. Dean DH, et al. **Experientia** 1983 Dec 15;39(12):1351–2

Assembly of transferred normal spleen cells in situ at sites eliciting the delayed hypersensitivity reaction to tumor antigens in mice. Abe S, et al. **Gann** 1984 May;75(5):442–7

Cavitation of mesenteric lymph nodes, splenic atrophy, and a flat small intestinal mucosa. Report of six cases. Matuchansky C, et al. **Gastroenterology** 1984 Sep; 87(3):606–14

Mineral oil (follicular) lipidosis: II. Histologic studies of spleen, liver, lymph nodes, and bone marrow. Cruickshank B, et al. **Hum Pathol** 1984 Aug;15(8):731–7

Follicular (mineral oil) lipidosis: I. Epidemiologic studies of involvement of the spleen. Cruickshank B. **Hum Pathol** 1984 Aug;15(8):724–30

2,5–Hexane diol induced thymic atrophy and lymphocytotoxicity in rats. Singh KP, et al. **Ind Health** 1983;21(4):235–42

Histological & ultrastructural study of spleen during dengue virus iafection of mice. Nath P, et al. **Indian J Med Res** 1983 Jul;78:83–90

Histopathology and histochemistry of R.E.S. in infections with Plasmodium yoelii nigeriensis. Rifaat MA, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):209–18

The reticuloendothelial system in scrapie pathogenesis. Ehlers B, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):423–8

Chronic schistosomiasis mansoni: splenic myelopoiesis and inhibition of neutrophil granulocytopoiesis mediated by the sera of patients. Borojevic R, et al. **J Infect Dis** 1983 Sep; 148(3):422–6

Lymphoproliferative changes induced by infection with a lymphotropic herpesvirus of guinea pigs. Dowler KW, et al. **J Infect Dis** 1984 Jul;150(1):105–11

Morphometric studies of the spleen of the hypoxic mouse. Clegg EJ. **J Microsc** 1983 Aug;131 (Pt 2):155–61

Splenic fibrosis and sarcomas in F344 rats fed diets containing aniline hydrochloride, p–chloroaniline, azobenzene, o–toluidine hydrochloride, 4,4'–sulfonyldianiline, or D & C red No. 9. Goodman DG, et al. **JNCI** 1984 Jul; 73(1):265–73

Primary abdominal pregnancy in the spleen: a case report. Caruso V, et al. **Pathology** 1984 Jan;16(1):93–4

The spleen as a source of colony–forming cells in myelofibrosis. Adamson JW, et al. **Prog Clin Biol Res** 1984; 154:323–34 (22 ref.)

Spleen structure in Hodgkin disease: ultrasonic characterization. Work in progress. Sommer FG, et al. **Radiology** 1984 Oct;153(1):219–22

[Case of isolated echinococcosis of the spleen] Tasev Kh. **Khirurgiia (Sofiia)** 1984;37(1):65–6 **(Bul)**

[Total villous atrophy, mesenteric lymph–node cavitation, splenic atrophy. An unusual form of celiac disease in adults, apropos of a new case] Hoang C, et al. **Ann Pathol** 1983 Sep;3(3):251–6 (Eng. Abstr.) **(Fre)**

[Morphological characteristics of gunshot wounds of liver and spleen] Metter D, et al. **Z Rechtsmed** 1983;9(3):167–72 (Eng. Abstr.) **(Ger)**

[Epizootiologic studies of atrophic rhinitis of swine. IV. Effect of the heat–labile toxin of Bordetella bronchiseptica strains on the lymphatic organs of the mouse] Eliás B, et al. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):660–8 (Eng. Abstr.) **(Ger)**

[Dynamics of morphological changes in the adrenal glands and lymphoid organs during immobilization stress in rats] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Jul; 85(7):67–72 (Eng. Abstr.) **(Rus)**

[Changes in the structure of the lymphoid organs of rats during prolonged hypokinesia] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):17–21 (Eng. Abstr.) **(Rus)**

[The immune system and its relation with infection process in children] Ivanovskaia TE. **Arkh Patol** 1983;45(7):3–13 (Eng. Abstr.) **(Rus)**

[Electric charge of the surface of lymphocytes and their ability to divide mitotically during induced carcinogenesis] Shkarina TN, et al. **Biofizika** 1984 Jan–Feb;29(1):96–9 (Eng. Abstr.) **(Rus)**

[Relation of proliferating to nonproliferating spleen cell populations during the development of Rauscher leukemia and after loading the mononuclear phagocyte system with colloidal gold] Alekhina RP, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):713–5 (Eng. Abstr.) **(Rus)**

[Extramedullary exacerbation of chronic myeloleukemia] Frinovskaia IV, et al. **Gematol Transfuziol** 1984;29(5):51–3 **(Rus)**

[Comparison between the morphofunctional state of the thymus and peripheral organs of the immune system in tuberculosis] El'shanskaia MP, et al. **Probl Tuberk** 1984 Feb;(2):59–63 (Eng. Abstr.) **(Rus)**

[Monolayer culture of bone marrow and splenic fibroblasts in lymphoproliferative diseases] Domracheva EV, et al. **Ter Arkh** 1984;56(6):63–5 (Eng. Abstr.) **(Rus)**

[The effect of tourniquet injuries on the histologic structure of the spleen in intact and adrenalectomized mice] Colić M. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):79–88 (Eng. Abstr.) **(Scr)**

[Granulomatous vasculitis with isolated involvement of the spleen and periganglionar fat (letter)] Ortega González G, et al. **Med Clin (Barc)** 1984 Feb 11;82(5):231–2 **(Spa)**

[Lymphoma of the follicular mantle. Morphologic and clinical study of 2 cases] Rivas C, et al. **Rev Clin Esp** 1984 Feb 29;172(4):201–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Regenerated splenosis masquerading as gastric fundic mass. Agha FP. **Am J Gastroenterol** 1984 Jul;79(7):576–8

Splenic regeneration following splenectomy for traumatic rupture. Kiroff GK, et al. **Aust NZ J Surg** 1983 Oct; 53(5):431–4

Plasma fibronectin (Fn) study in homozygous beta–thalassemia: relation to splenectomy and transfusion. Germenis A, et al. **Blut** 1984 Aug;49(2):111–5

The spleen. **Clin Haematol** 1983 Jun;12(2):361–608

The spleen––mysteries solved and unresolved. Lewis SM. **Clin Haematol** 1983 Jun;12(2):363–73

Quantitative reticuloendothelial function of liver and spleen in man. Winkler K, et al. **Clin Physiol** 1984 Apr;4(2):135–46

Relationship between lymphatic tissue and hepatic regenerative processes. Sobotka L, et al. **Czech Med** 1983; 6(3):169–71

Anemia causes erythropoiesis and increased antibody synthesis in the spleen of the pregnant mouse. Mattsson R, et al. **Dev Comp Immunol** 1984 Winter;8(1):169–78

Defective repertoire of proliferative T cells during lymphatic regeneration. Sihvola M, et al. **Immunology** 1984 Feb; 51(2):313–8

Splenic function after nonsurgical management of splenic rupture. Linné T, et al. **J Pediatr** 1984 Aug;105(2):263–5

The persistence of micronucleated erythrocytes in the peripheral circulation of normal and splenectomized Fischer 344 rats: implications for cytogenetic screening. Schlegel R, et al. **Mutat Res** 1984 Jul;127(2):169–74

Contrasting biological activities of thymopoietin and splenin, two closely related polypeptide products of thymus and spleen. Audhya T, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2847–9

The regulation of hemopoietic cell development by the stromal cell environment and diffusible regulatory molecules. Dexter TM, et al. **Prog Clin Biol Res** 1984; 148:13–33 (71 ref.)

The effects of ethanol and the role of the spleen during benzene–induced hematotoxicity. Rosenthal GJ, et al. **Toxicology** 1984 Apr 16;30(4):283–95

The role of the spleen in Trypanosoma brucei brucei infection in dogs. Kaggwa E, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):470–9

[A preliminary study on the relationship between the spleen–stomach theory of traditional Chinese medicine and gastro–entero–pancreatic endocrine system] Gao XJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):186–8 **(Chi)**

[Effects of epinephrine and splenectomy on plasma and erythrocyte potassium] Saito Y, et al. **Masui** 1984 Jan; 33(1):61–5 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the rat–model for partial splenectomy and on spleen regeneration] Chiba T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):49–55 (Eng. Abstr.) **(Jpn)**

[Natural cytotoxic activity of mouse bone marrow and spleen cells during regeneration after exposure to cyclophosphamide] Van'ko LV, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):84–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the restoration of the hematopoietic microenvironment of the spleen regenerating after partial damage] Starostin VI, et al. **Ontogenez** 1984 Jul–Aug; 15(4):412–4 (Eng. Abstr.) **(Rus)**

[The role of the spleen in erythrocyte destruction] Hromec A, et al. **Cesk Fysiol** 1983;32(5):438–42 (24 ref.) **(Slo)**

[Possible mechanism of action of a water–soluble tissue extract on arterial pressure in the rat] de Gandarias JM, et al. **Rev Esp Fisiol** 1984 Mar;40(1):37–42 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Splenosis following splenectomy [letter] Kiroff GK. **Arch Surg** 1984 Mar;119(3):351

Splenic function in adult coeliac disease [letter] Trewby PN, et al. **Gut** 1983 Oct;24(10):964–5

Splenic function in children with hemoglobin SC disease and sickle beta–thalassemia. Sills RH. **J Natl Med Assoc** 1983 Oct;75(10):991–4

Primary lethal malaria (Plasmodium chabaudi) in hereditarily asplenic, splenectomized, and intact mice. Pung O, et al. **J Parasitol** 1984 Apr;70(2):305–6

Splenic function in sickle cell disease in the Eastern Province of Saudi Arabia. Al–Awamy B, et al. **J Pediatr** 1984 May; 104(5):714–7

Influence of mammary tumor progression on phenotype and function of spleen and in situ lymphocytes in mice. Buessow SC, et al. **JNCI** 1984 Jul;73(1):249–55

The role of the spleen in tumor bearing host: II. The influence of splenectomy in mice. Yamagishi H, et al. **Jpn J Surg** 1984 Jan;14(1):72–7

The role of the spleen in tumor bearing host: I. Characterization of spleen cells in tumor–bearing mice. Yamagishi H, et al. **Jpn J Surg** 1984 Jan;14(1):61–71

[Cicatrization of the spleen after reconstructive surgery. Experimental study on rats] Rush F, et al. **Chir Pediatr** 1983;24(6):373–82 (Eng. Abstr.) **(Fre)**

[Spleen and thymus lymphoid tissue in hypoxia (a biometric study)] Fedulov OI. **Arkh Anat Gistol Embriol** 1984 Feb; 86(2):81–5 (Eng. Abstr.) **(Rus)**

[Changes in purine metabolism and in the immune response in the thymic and splenic lymphocytes of C3HA mice during chemical hepatocarcinogenesis] Khramtsova SN, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):217–20 (Eng. Abstr.) **(Rus)**

[The mystery of spontaneous splenic hypofunction (autosplenectomy)] Aggio MC. **Medicina (B Aires)** 1983; 43(6 Pt 1):721–4 **(Spa)**

RADIATION EFFECTS

Hepatoma after thorotrast. Morphological and autoradiographic data. Lageron A, et al. **Acta Histochem (Jena)** 1984;74(1):5–10

Stabilization of islet allografts by treatment of recipients with ultraviolet irradiated donor spleen cells. Agostino M, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):517–27

A comparison of low and high dose–rate radiation for recipient mice in spleen–colony studies. Lord BI, et al. **Cell Tissue Kinet** 1984 Jul;17(4):323–34

Effect of continuous irradiation on the thrombopoietic system in mice. Macková N, et al. **Folia Haematol (Leipz)** 1983; 110(2):251–7

Immunohistological observations on the spleen B lymphocyte populations from whole–body irradiated rats. Bazin H, et al. **Int J Radiat Biol** 1984 Apr;45(4):321–9

Response of colony–forming units–spleen to heavy charged particles. Ainsworth EJ, et al. **Radiat Res** 1983 Oct; 96(1):180–97

Induction of tolerance using ultraviolet–irradiated cells. Agostino M, et al. **Transplant Proc** 1984 Aug;16(4):959–60

[Purulent pericarditis after splenic irradiation for Hodgkin's disease (letter)] Dennewald G, et al. **Presse Med** 1984 Jun 23;13(26):1633–4 **(Fre)**

[Treatment of hairy cell leukemia by irradiation of the spleen (letter)] Lehoczky D, et al. **Dtsch Med Wochenschr** 1984 Apr 13;109(15):597–8 **(Ger)**

[Recovery of hematopoiesis in mice following a continuous irradiation with a dose rate of 0.957 Gy/d and a total accumulated dose of 19.14 Gy. I. Bone marrow, spleen and thymus gland] Macková N, et al. **Folia Haematol (Leipz)** 1983;110(4):564–71 (Eng. Abstr.) **(Ger)**

[Comparative studies on the DNA synthesis of rat thymus and spleen cells in vitro under the influence of x rays, UV light and radiomimetic compounds] Tempel K, et al. **Strahlentherapie** 1984 Jun;160(6):386–93 (Eng. Abstr.) **(Ger)**

[Radiosensitivity of stromal mechanocytes in human bone marrow and spleen] Khoptynskaia SK, et al. **Med Radiol (Mosk)** 1984 Jun;29(6):21–4 (Eng. Abstr.) **(Rus)**

[Structure and catabolism of DNA in bone marrow and spleen cells exposed to tritium oxide and 137Cs gamma radiation] Rusinova GG, et al. **Med Radiol (Mosk)** 1984 Jul;29(7):66–9 **(Rus)**

[Radiosensitivity of pluripotent stem cells detectable by cloning in the spleen of irradiated mice] Poverennyi AM, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):39–43 (Eng. Abstr.) **(Rus)**

[Free–radical disorders in the tissues of mice exposed to gamma irradiation and neutrons in vitro. The radiochemical yields] Svistunenko DA, et al. **Radiobiologiia** 1984 Jan–Feb; 24(1):3–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography of the spleen and liver in sickle cell disease. Magid D, et al. **AJR** 1984 Aug;143(2):245–9

CT of the liver and spleen with EOE–13: review of 225 examinations. Miller DL, et al. **AJR** 1984 Aug; 143(2):235–43

Usefulness of liposomes carrying losefamate for CT opacification of liver and spleen. Seltzer SE, et al. **AJR** 1984 Sep;143(3):575–9

The bare area of the spleen: a constant CT feature of the ascitic abdomen. Vibhakar SD, et al. **AJR** 1984 May; 142(5):953–5

Spleen imaging. Myers MJ. **Clin Haematol** 1983 Jun; 12(2):395–420

Dynamic topography of the contrast enhancement of the spleen. Partanen K, et al. **Eur J Radiol** 1984 May;4(2):101–6

Dynamic contrast enhancement of the upper abdomen: effect of contrast medium and body weight. Kormano M, et al. **Invest Radiol** 1983 Jul–Aug;18(4):364–7

Experimental evaluation of five liver–spleen specific CT contrast agents. Miller DL, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1022–8

New contrast material improves detection of liver and spleen metastases. Vermess M. **JAMA** 1984 Feb 10;251(6):707–8

Re: Radiopaque liposomes for imaging of the spleen and liver [letter] Rozenberg OA, et al. **Radiology** 1983 Dec; 149(3):877–8

[Peritoneal splenosis disclosed by infectious mononucleosis in an adolescent. Contribution of scintigraphy] Garcin G, et al. **Sem Hop Paris** 1984 Mar 1;60(10):689–93 (Eng. Abstr.) **(Fre)**

[A new procedure for contrast imaging of the liver and spleen using water–soluble contrast media in liposomes] Zerbin EA, et al. **Radiol Diagn (Berl)** 1983;24(4):507–14 (Eng. Abstr.) **(Ger)**

[Roentgenogrammetry of the spleen and its vessels under normal conditions and in disorders of visceral hemodynamics (based on angiographic studies)] Kondrashin SA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):59–62 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Splenic 'draping': clarification by gastric and splenic scintigraphy. Nov AA, et al. **AJR** 1984 Feb;142(2):323–4

A comparison between 180 degrees and 360 degrees data reconstruction in single photon emission computed tomography of the liver and spleen. Ott RJ, et al. **Br J Radiol** 1983 Dec;56(672):931–7

Spleen imaging. Myers MJ. **Clin Haematol** 1983 Jun; 12(2):395–420

Variation of the spleen–liver activity ratio due to a change in position. Makler PT Jr, et al. **Clin Nucl Med** 1984 Feb; 9(2):85–8

Rapid resolution of spleen scan changes after trauma. Morayati S, et al. **Clin Nucl Med** 1983 Sep;8(9):440

Radiocolloid redistribution and multiple splenic infarcts in myelofibrosis. Polga JP, et al. **Clin Nucl Med** 1983 Aug; 8(8):335–6

Splenic rotation to the 'upside down' configuration. Shapiro H, et al. **Clin Nucl Med** 1984 Jun;9(6):361–2

Splenic tissue simulating adrenal mass. Wilson DG, et al. **Clin Nucl Med** 1983 Aug;8(8):371–2

Modified in vivo behaviour of 99mTc–labelled liver–spleen preparations due to 99Mo/99mTc–generator eluate impurities. Chia HL, et al. **Eur J Nucl Med** 1983;8(10):450–3

Splenic accumulation of [99mTc]methylene diphosphonate in sickle cell–thalassemia disease. Georgiou E, et al. **Int J Nucl Med Biol** 1983;10(4):269–70

Dynamic fluctuations in blood and spleen radioactivity: splenic contraction and relation to clinical radionuclide volume calculations. Sandler MP, et al. **J Am Coll Cardiol** 1984 May;3(5):1205–11

Re: Normal appearance and reproducibility of liver–spleen studies with Tc–99m sulfur colloid and Tc–99m microalbumin colloid [letter] Green AM. **J Nucl Med** 1983 Oct;24(10):971–2

Single photon emission computerized tomography (SPECT) for estimates of liver and spleen volume. Strauss LG, et al. **J Nucl Med** 1984 Jan;25(1):81–5

Measurement of splenic function with heat–damaged RBCs: effect of heating conditions: concise communication. Valk PE, et al. **J Nucl Med** 1984 Sep;25(9):965–8

[Peritoneal splenosis manifested by infectious mononucleosis in an adolescent. Contribution of scintigraphy] Garcin G, et al. **Arch Anat Cytol Pathol** 1983;31(5):278–82 (Eng. Abstr.) **(Fre)**

[Measurement of the liver and spleen volume by single photon emission computed tomography] Hoshi H, et al. **Radioisotopes** 1984 Apr;33(4):203–6 (Eng. Abstr.) **(Jpn)**

[Radionuclide study of the topography of hematopoiesis in erythremia] Sakhibov IaD, et al. **Ter Arkh** 1983;55(8):63–8 (Eng. Abstr.) **(Rus)**

[A massive uptake of 99mTc–tin colloid in the lungs in standard scintigraphy of the liver and spleen] Lepej J, et al. **Vnitr Lek** 1984 Jan;30(1):55–9 (Eng. Abstr.) **(Slo)**

SURGERY

The spleen preserved [editorial] Roy D. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):70–1

Removal of a large splenic cyst with splenic preservation [letter] Kievit J, et al. **Neth J Surg** 1984 Feb;36(1):27

Splenic preservation. Chappell JS. **S Afr Med J** 1984 Jan 7;65(1):12–4

Splenic repair by fibrin tissue adhesive and collagen fleece. Scheele J, et al. **Surgery** 1984 Jan;95(1):6–13

Intrasplenic isografts of canine pancreatic islets: metabolic study. Rajotte RV, et al. **Transplant Proc** 1984 Jun; 16(3):834–7

[Reimplant–induced ileus as an early complication following implantation of autologous spleen tissue in the greater omentum. Case report] Schmitz R, et al. **Chirurg** 1984 Jul; 55(7):482–4 **(Ger)**

[Splenectomy and reimplantation of splenic tissue in children] Holschneider AM, et al. **Klin Padiatr** 1983 Nov–Dec; 195(6):394–8 (Eng. Abstr.) **(Ger)**

[Organ–preserving therapy of splenic injuries in childhood—radiologic and immunologic follow–up studies] Bennek J, et al. **Z Kinderchir** 1983 Apr;38(2):88–94 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the healing process of splenic lesions repaired with cyanoacrylate or with microsurgical sutures. Experimental research] Di Tondo U, et al. **Ann Ital Chir** 1983;55(2):179–94 (Eng. Abstr.) **(Ita)**

[Conservative surgery in splenic injuries] Langlo L, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):171–4 (Eng. Abstr.) **(Nor)**

[Suture of a child's spleen after trauma] Cimo D, et al. **Bratisl Lek Listy** 1984 May;81(5):603–5 (Eng. Abstr.) **(Slo)**

TRANSPLANTATION

Site of splenic autotransplantation affects protection from sepsis. Livingston CD, et al. **Am J Surg** 1983 Dec; 146(6):734–7

Evaluation of technique for autotransplantation of the spleen in dogs. Sterchi JM, et al. **Am Surg** 1983 Nov;49(11):625–31

Suppressor cells in the thoracic duct lymph of tolerant, spleen–grafted rats. Stepkowski SM, et al. **Can J Surg** 1984 Jan;27(1):22–4

Graft–versus–host reaction induced by spleen grafting in inbred strains of rats. Influence of portal venous drainage. Gugenheim J, et al. **Eur Surg Res** 1983;15(6):317–21

Spleen transplantation in the dog as a model for studying immunological feedback reactions. Hofmann GO, et al. **Eur Surg Res** 1984;16(1):40–6

Lymphocyte subsets in human peripheral blood after splenectomy and autotransplantation of splenic tissue. Dürig M, et al. **J Lab Clin Med** 1984 Jul;104(1):110–5

Plasma fibronectin levels after splenectomy and splenic autoimplantation in rats with and without dietary ascorbic acid supplementation. Hashimoto T, et al. **J Pediatr Surg** 1983 Dec;18(6):805–10

Fatal overwhelming postsplenectomy sepsis following autologous splenic transplantation in severe congenital osteopetrosis. Tesluk GC, et al. **J Pediatr Surg** 1984 Jun; 19(3):269–72

Congenitally osteopetrotic (oplop) mice are not cured by transplants of spleen or bone marrow cells from normal littermates. Marks SC Jr, et al. **Metab Bone Dis Relat Res** 1984;5(4):183–6

Heart and spleen 'twin grafts' in rats: IV. Influence of donor spleen cell mass on allograft survival. Blanchard JM, et al. **Microsurgery** 1983;4(4):233–5

Heart and spleen 'twin grafts' in rats: morphology and function in permanent survivals. Blanchard JM, et al. **Microsurgery** 1983;4(3):201–5

In vivo suppression of Ehrlich ascites carcinoma by human antibody–dependent splenocytes. Dobaczewska H. **Neoplasma** 1984;31(2):165–8

Protective effect of bone marrow and spleen suspensions on radiation–induced leukemogenesis in C57BL/6 mice. Legrand E, et al. **Radiat Environ Biophys** 1984;23(3):203–12

Prolonged survival and remyelination after hematopoietic cell transplantation in the twitcher mouse. Yeager AM, et al. **Science** 1984 Sep 7;225(4666):1052–4

Absence of transplantation tolerance and strong sensitization in the host after transplantation of spleen allografts in the (LEW X BN)F1 leads to lew strain combination. Gugenheim J, et al. **Transplantation** 1983 Oct;36(4):470–1

Transfer of the beneficial blood transfusion effect on rat renal allograft survival by spleen isografts. Martin DC, et al. **Transplantation** 1984 Mar;37(3):319–21

[Autotransplantation of the spleen. Experimental study in rats. Histology and anti–infectious role of infected splenic tissue] Rush F, et al. **Chir Pediatr** 1984;25(1):6–11 (Eng. Abstr.) **(Fre)**

[Surgical transplantation of the splenic tissue. Value of scintigraphic exploration with technetium–labeled erythrocytes (letter)] Leynaud G, et al. **Presse Med** 1984 Jun 2;13(23):1457–8 **(Fre)**

[Transplant conditioning and transplant size in heterotopic autologous spleen transplantation] Pimpl W, et al. **Langenbecks Arch Chir** 1984;362(1):5–16 (Eng. Abstr.) **(Ger)**

[Autotransplantation of the spleen] Seufert RM. **Langenbecks Arch Chir** 1984;362(1):1–3 **(Ger)**

[Autotransplantation of the spleen. An alternative to classical splenectomy for splenic rupture. Case report and literature review] Schwarz U, et al. **Praxis** 1983 Oct 4;72(40):1271–3 (Eng. Abstr.) **(Ger)**

[Autogenic transplantation of the spleen] Fibak J, et al. **Pol Tyg Lek** 1984 Feb 13;39(7):221–2 (Eng. Abstr.) **(Pol)**

[Morphological evaluation of the autotransplantation of spleen fragments] Skuba ND, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):237–40 (Eng. Abstr.) **(Rus)**

[Improved method of ectopic transplantation of the whole spleen in mice] Starostin VI. **Ontogenez** 1984 Mar–Apr; 15(2):202–5 (Eng. Abstr.) **(Rus)**

[The arteriovenous differential in the hemostatic indices in an experimental spleen transplant] Safarov SIu, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):58–61 (Eng. Abstr.) **(Rus)**

[Primary clinical experience with heterotopic autologous transplantation of the spleen] Jekić M. **Acta Chir Iugosl** 1983;30(2):211–9 (Eng. Abstr.) **(Ser)**

ULTRASTRUCTURE

Foamy cells in itp spleens and in granulomas induced by murine platelets, commercialized phospholipids, and erythrocyte membrane. Histological and ultrastructural studies. Ishihara T, et al. **Acta Pathol Jpn** 1983 Sep; 33(5):943–58

Diffuse histiocytosis of the spleen and idiopathic thrombocytopenic purpura (ITP): histochemical and ultrastructural studies. Lasser A. **Am J Clin Pathol** 1983 Oct;80(4):529–33

Crystalloid inclusion–containing macrophages in the bone marrow and red pulp of the mouse, with particular relation to age, sex and hydrocortisone administration: qualitative and quantitative electron microscopy. Sasaki K, et al. **Arch Histol Jpn** 1983 Jun;46(3):381–91

Effect of Friend virus infection on the biosynthetic enzymes of phosphatidylcholine biosynthesis in spleen microsomes. Hoffman DR, et al. **Life Sci** 1984 Jun 25;34(26):2621–6

Scanning electron microscope studies of human spleen. Fujita T, et al. **Surv Immunol Res** 1983;2(4):375–84 (26 ref.)

Lysosomal enzyme in Mastomys natalensis during Dipetalonema viteae infection. Srivastava AK, et al. **Tropenmed Parasitol** 1983 Sep;34(3):174–6

[Electron microscopic observation of the hemolytic process of the spleen] Matsumoto N, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1192–7 (Eng. Abstr.) **(Jpn)**

[Residual chromatin of mouse spleen nuclei after intensive nuclease treatment. Isolation and properties] Barbashov SF, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):833–9 (Eng. Abstr.) **(Rus)**

[Problems in the use of scanning electron microscopy in studying problems in orthomorphology and pathomorphology of the human spleen] Polák S, et al. **Bratisl Lek Listy** 1983 Sep;80(3):267–78 (Eng. Abstr.) **(Slo)**

[Hairy cell leukemia with lambda light chain. Presentation of a case with immunohistochemical and ultrastructure study of the spleen] Bontempi M, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):701–5 (Eng. Abstr.) **(Spa)**

[Ultrastructural (TEM and SEM) morphology of splenic reticulum cells and their local connections. An experimental analysis on the Wistar rat] González Devesa M, et al. **Sangre (Barc)** 1983;28(5):570–85 (Eng. Abstr.) **(Spa)**

SPLENECTOMY

Experimental partial splenectomy. Bornemisza G, et al. **Acta Chir Hung** 1983;24(1):37–42

Serum angiotensin–I–converting enzyme and lysozyme levels in untreated and unsplenectomized patients with Hodgkin's disease. Bosi A, et al. **Acta Haematol (Basel)** 1984; 71(5):329–33

IgM and IgG response to pneumococcal polysaccharide vaccine in normal individuals and individuals splenectomized due to trauma. Aaberge IS, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):11–6

Immunoglobulin classes and persistence of anti–pneumococcal antibodies in splenectomized adults and adolescents after pneumococcal vaccination. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):245–9

Irradiated autologous T cells restore the in vitro responsiveness of PWM–activated peripheral blood lymphocytes from splenectomized individuals. Tauris P, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):257–61

Serum immunoglobulin levels in children after splenectomy. A prospective study. Koren A, et al. **Am J Dis Child** 1984 Jan;138(1):53–5

Splenectomy for thrombocytopenia in chronic lymphocytic leukemia. Merl SA, et al. **Am J Hematol** 1983 Nov; 15(3):253–9

Disappearance of microspherocytes in peripheral circulation and normalization of decreased lipids in plasma and in red cells of patients with hereditary spherocytosis after splenectomy. Sugihara T, et al. **Am J Hematol** 1984 Aug; 17(2):129–39

Staging laparotomy and splenectomy in early Hodgkin's disease. No therapeutic benefit. Gomez GA, et al. **Am J Med** 1984 Aug;77(2):205–10

Babesiosis in splenectomized adults. Review of 22 reported cases. Rosner F, et al. **Am J Med** 1984 Apr;76(4):696–701 (54 ref.)

Antibody responses to meningococcal polysaccharide vaccine in adults without a spleen. Ruben FL, et al. **Am J Med** 1984 Jan;76(1):115–21

Splenectomy for trauma in children: risks and alternatives. Dickerman JD. **Am J Pediatr Hematol Oncol** 1983 Fall; 5(3):279–82

Alternatives to splenectomy in the management of chronic idiopathic thrombocytopenic purpura in childhood. Russell EC, et al. **Am J Pediatr Hematol Oncol** 1984 Summer; 6(2):175–9

Splenectomy in high–risk primary renal transplant recipients. Okiye SE, et al. **Am J Surg** 1983 Nov;146(5):594–601

Removal of the massive spleen: a surgical risk? Wobbes T, et al. **Am J Surg** 1984 Jun;147(6):800–2

Splenectomy in hematologic malignancy. Garrison RN, et al. **Am Surg** 1984 Aug;50(8):428–32

Splenectomy for hematologic disease. The UCLA experience with 306 patients. Musser G, et al. **Ann Surg** 1984 Jul; 200(1):40–5

Selective variceal decompression after splenectomy or splenic vein thrombosis. With a note on splenopancreatic disconnection. Warren WD, et al. **Ann Surg** 1984 Jun; 199(6):694–702

Renal haemodynamics and the effect of alpha–adrenergic blockade in running and swimming splenectomized dogs. Joles JA, et al. **Arch Int Physiol Biochim** 1983 Sep; 91(3):223–31

Multiple autoimmune manifestations in a splenectomized subject with HLA–B8. Kleiner–Baumgarten A, et al. **Arch Intern Med** 1983 Oct;143(10):1987–9

Thrombotic thrombocytopenic purpura. Potential benefit of splenectomy after plasma exchange. Thompson HW, et al. **Arch Intern Med** 1983 Nov;143(11):2117–9

Increased myeloperoxidase activity of polymorphonuclear leukocytes after splenectomy in BALB/C mice. Gómez–Estrada H, et al. **Arch Invest Med (Mex)** 1984 Jan–Mar;15(1):67–71 **(Eng, Spa)**

Splenosis following splenectomy [letter] Kiroff GK. **Arch Surg** 1984 Mar;119(3):351

Splenic regeneration following splenectomy for traumatic rupture. Kiroff GK, et al. **Aust NZ J Surg** 1983 Oct; 53(5):431–4

The ineffectiveness of random donor platelet transfusion in splenectomized, alloimmunized recipients. Hogge DE, et al. **Blood** 1984 Jul;64(1):253–6

The effect of splenectomy on platelet formation and megakaryocyte DNA content in rats. Tanum G, et al. **Blood** 1984 Mar;63(3):593–7

Impaired protein synthesis in leukemic hairy cells induced by splenectomy. Emmerich B, et al. **Blut** 1983 Nov; 47(5):307–10

Haematological reconstitution and severity of graft–versus–host disease after bone marrow transplantation for chronic granulocytic leukaemia: the influence of previous splenectomy. Baughan AS, et al. **Br J Haematol** 1984 Mar;56(3):445–54

'Pitted' erythrocytes: impaired formation in splenectomized subjects with congenital spherocytosis. O'Grady JG, et al. **Br J Haematol** 1984 Jul;57(3):441–6

The spleen preserved [letter] **Br Med J [Clin Res]** 1984 Aug 25;289(6443):498

Results of a prospective randomized trial of early splenectomy in chronic myeloid leukemia. The Italian Cooperative Study Group on Chronic Myeloid Leukemia. **Cancer** 1984 Jul 15;54(2):333–8

Treatment of acute myeloid leukemia with a combination of intensive induction chemotherapy, early consolidation, splenectomy and long–term maintenance chemotherapy. Machover D, et al. **Cancer** 1984 Apr 15;53(8):1644–50

Chromosome changes and splenectomy in Ph1–positive CML. II. Prognostic aspects in the blastic phase. Sadamori N, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):303–8

Staging laparotomy and splenectomy for Hodgkin's disease: current status. Kinsella TJ, et al. **Cancer Invest** 1983; 1(1):87–91 (29 ref.)

Enhancement of resistance in Mycobacterium lepraemurium infected C3H mice by treatment with sonicated M. lepraemurium or splenectomy. Turcotte R, et al. **Clin Exp Immunol** 1984 Apr;56(1):97–104

Splenectomy as a diagnostic technique. Lampert IA. **Clin Haematol** 1983 Jun;12(2):535–63 (84 ref.)

Surgery of the spleen. Mitchell A, et al. **Clin Haematol** 1983 Jun;12(2):565–90 (118 ref.)

Peripheral blood mononuclear cells of splenectomized patients are unable to differentiate into immunoglobulin–secreting cells after pokeweed mitogen stimulation. Müller C, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):118–23

Splenic simulation by left hepatic lobe following splenectomy. Noel A, et al. **Clin Nucl Med** 1984 Mar; 9(3):147–8

A simple method for determining splenic viability using sodium fluorescein. Pennino RP, et al. **Curr Surg** 1983 Sep–Oct;40(5):368–71

Embolisation of the splenic artery as an alternative to splenectomy for treating hereditary spherocytosis. Holowiecki J, et al. **Folia Haematol (Leipz)** 1983; 110(6):913–6

Effect of splenectomy on heterologous gammaglobulin–induced fibrosis in rabbits. Datta DV, et al. **Indian J Gastroenterol** 1983 Oct;2(3):121–3

Immune responses to a hapten–carrier conjugate in splenectomized and BCG–treated guinea pigs. Neveu PJ. **Int Arch Allergy Appl Immunol** 1984;73(2):104–7

Alterations in immunoglobulin synthesis by peripheral blood mononuclear cells from splenectomized patients with and without splenic regrowth. Drew PA, et al. **J Immunol** 1984 Jan;132(1):191–6

Monocyte antibody–dependent cellular cytotoxicity in splenectomized subjects. Gill PG, et al. **J Immunol** 1984 Mar;132(3):1244–8

Lymphocyte subsets in human peripheral blood after splenectomy and autotransplantation of splenic tissue. Dürig M, et al. **J Lab Clin Med** 1984 Jul;104(1):110–5

Comment on mechanisms of splenectomy protection in epinephrine–induced renal and cardiac necrosis [letter] Zaritsky A, et al. **J Lab Clin Med** 1984 Jul;104(1):138–40

Partial splenic ablation in preparation for renal transplantation in children. Guzzetta PC, et al. **J Pediatr Surg** 1983 Dec;18(6):800–4

Plasma fibronectin levels after splenectomy and splenic autoimplantation in rats with and without dietary ascorbic acid supplementation. Hashimoto T, et al. **J Pediatr Surg** 1983 Dec;18(6):805–10

Fatal overwhelming postsplenectomy sepsis following autologous splenic transplantation in severe congenital osteopetrosis. Tesluk GC, et al. **J Pediatr Surg** 1984 Jun; 19(3):269–72

Ischemic necrosis of proximal gastric remnant following subtotal gastrectomy with splenectomy. Isabella V, et al. **J Surg Oncol** 1984 Feb;25(2):124–32 (35 ref.)

Response of traumatized splenectomized patients to immediate vaccination with polyvalent pneumococcal vaccine. Caplan ES, et al. **J Trauma** 1983 Sep;23(9):801–5

Effect of pretransplant blood transfusions and splenectomy on renal allograft survival in the Lewis rat. Banowsky LH, et al. **J Urol** 1983 Nov;130(5):996–8

Left suprarenal mass following splenectomy: case reports. Rao KG, et al. **J Urol** 1984 Aug;132(2):323–5

Bidirectional effects of splenectomy on the growth of syngeneic tumor in mice. Kumashiro R, et al. **Jpn J Surg** 1984 Mar;14(2):167–73

The role of the spleen in tumor bearing host: II. The influence of splenectomy in mice. Yamagishi H, et al. **Jpn J Surg** 1984 Jan;14(1):72–7

Pneumococcal vaccine in asplenic children. Ehrengut W. **Klin Padiatr** 1984 Jan–Feb;196(1):58–9

Overwhelming infection after splenectomy in spite of some spleen remaining and splenosis. A case report. Sass W, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1075–9

Fatal post–splenectomy pneumococcal sepsis despite prophylaxis [letter] Gonzaga RA. **Lancet** 1984 Sep 22; 2(8404):694–5

Splenectomy after angiographic embolization of the splenic artery in patients with massive splenomegaly and severe thrombocytopenia, in juvenile subacute myelomonocytic leukemia. Steinherz PG, et al. **Med Pediatr Oncol** 1984; 12(1):28–32

Establishment of a registry for patients undergoing splenic surgery for trauma. Fridlund PH, et al. **Milit Med** 1984 Mar;149(3):137–8

Effect of splenectomy on the growth of carcinogen–induced experimental bladder cancer in mice and rats. Ornellas EP, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):166–73

Splenectomy for chronic idiopathic thrombocytopenic purpura. Salky B, et al. **Mt Sinai J Med (NY)** 1984 Jun; 51(3):287–9

Immunoglobulin profiles and blood variables in 50 patients with hairy cell leukemia. Effects of splenectomy. Wiedermann D, et al. **Neoplasma** 1984;31(2):191–6

Influence of splenectomy on human acute tubular necrosis. Pru CE, et al. **Nephron** 1984;36(3):187–90

Splenectomy: indications, complications and mortality. Wagner DS, et al. **Ohio State Med J** 1984 Aug;80(8):610–3

The asplenic patient: a consideration for antimicrobial prophylaxis. Terezhalmy GT, et al. **Oral Surg** 1984 Jan; 57(1):114–7

Haptoglobin in splenomegalic cirrhosis; report of 40 patients after shunts and or splenectomy. Andreuzzi P, et al. **Panminerva Med** 1983 Apr–Jun;25(2):99–104

Self–limited babesiosis in a splenectomized child. Mathewson HO, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):148–9

Lymphocyte subpopulations and serum immunoglobulins in splenectomized patients with hereditary spherocytosis. López–Karpovitch X, et al. **Rev Invest Clin** 1984 Jan–Mar; 36(1):17–20

Unusual response of lymphocytic lymphoma (not hairy cell leukaemia) to splenectomy without chemotherapy. Jacobs P, et al. **S Afr Med J** 1984 Apr 28;65(17):687–9

Successful treatment of post–splenectomy sepsis in an 82–year–old male. Lees KR, et al. **Scott Med J** 1983 Oct; 28(4):364–7

Prognostic factors for splenectomy response in adult idiopathic thrombocytopenic purpura. Rocco MV, et al. **South Med J** 1984 Aug;77(8):983–7

Accidental splenic injury during surgical treatment of the colon and rectum. Langevin JM, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):139–44

Immunosuppression in the baboon cardiac allograft model: effects of splenectomy, bolus methylprednisolone, propranolol, high–dose azathioprine, cyclophosphamide, and a niridazole metabolite. Cooper DK, et al. **Transplantation** 1984 Sep;38(3):299–301

Cardiac allotransplantation in rats supported with preoperative total lymphoid irradiation, low–dose cyclosporine, and splenectomy. Downing TP, et al. **Transplantation** 1984 Jun;37(6):636–8

Abrogation of the beneficial blood transfusion effect in dogs by splenectomy. Marquet RL, et al. **World J Surg** 1984 Jun;8(3):408–13

[Splenectomy in patients with idiopathic thrombocytopenic purpura and autoimmune hemolytic anemia] Tang DJ. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):626–8 (Eng. Abstr.) **(Chi)**

[Anatomical basis for partial splenectomy] Wu YM. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):533–4 (Eng. Abstr.) **(Chi)**

[Left spleno–pancreatectomy: statistics and clinical course] Morel P, et al. **Helv Chir Acta** 1984 Jun;51(2):279–82 (Eng. Abstr.) **(Fre)**

[Splenectomy in hairy cell leukemia: apropos of a series of 25 patients of which 10 were splenectomized] Jouet JP, et al. **LARC Med** 1983 Aug–Sep;3(7):461–2, 465, 467–9 (Eng. Abstr.) **(Fre)**

[Anemia of kidney failure treated by periodical hemodialysis. III. The effect of splenectomy. A retrospective study of 25 cases] Najean Y, et al. **Presse Med** 1983 Oct 22; 12(37):2307–10 (Eng. Abstr.) **(Fre)**

[Perioperative antibiotic prophylaxis in elective splenectomy. A randomized prospective study] Seufert RM, et al. **Chirurg** 1984 Jun;55(6):381–4 (Eng. Abstr.) **(Ger)**

[Behavior of immunoglobulins following traumatologically indicated splenectomy] Schneck HJ, et al. **Fortschr Med** 1984 Mar 15;102(10):263–8 (Eng. Abstr.) **(Ger)**

[Splenectomy and reimplantation of splenic tissue in children] Holschneider AM, et al. **Klin Padiatr** 1983 Nov–Dec; 195(6):394–8 (Eng. Abstr.) **(Ger)**

[Transplant conditioning and transplant size in heterotopic autologous spleen transplantation] Pimpl W, et al. **Langenbecks Arch Chir** 1984;362(1):5–16 (Eng. Abstr.) **(Ger)**

[Autotransplantation of the spleen] Seufert RM. **Langenbecks Arch Chir** 1984;362(1):1–3 **(Ger)**

[Infection prevention following splenectomy: protective effect of a new 17–valent pneumococcal vaccine] Tillmann W, et al. **Monatsschr Kinderheilkd** 1983 Dec;131(12):848–52 (Eng. Abstr.) **(Ger)**

[Autotransplantation of the spleen. An alternative to classical splenectomy for splenic rupture. Case report and literature review] Schwarz U, et al. **Praxis** 1983 Oct 4;72(40):1271–3 (Eng. Abstr.) **(Ger)**

[Splenectomy in childhood] Engels M, et al. **Unfallheilkunde** 1984 Jan;87(1):20–3 (Eng. Abstr.) **(Ger)**

[Beta–thalassemia intermedia—a rare indication for splenectomy] Keller P, et al. **Zentralbl Chir** 1984; 109(8):557–60 **(Ger)**

[Computer tomography following splenectomy] Vogel H, et al. **Zentralbl Chir** 1983;108(23):1497–501 (Eng. Abstr.) **(Ger)**

[Postsplenectomy sepsis in children] Koren A, et al. **Harefuah** 1983 Nov 1;105(9):252–4 (Eng. Abstr.) **(Heb)**

[Post–traumatic splenectomy. Study of 44 cases] Olivero S, et al. **Minerva Chir** 1984 May 15;39(9):709–34 (Eng. Abstr.) **(Ita)**

[Behavior of platelet populations in drepanocytosis and thalasso–drepanocytosis before and after splenectomy] Marrali V. **Minerva Pediatr** 1983 Dec 31;35(23–24):1211–3 (Eng. Abstr.) **(Ita)**

[Critical evaluation of prophylactic splenectomy in total gastrectomy for stomach cancer] Sugimachi K, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1057–60 (Eng. Abstr.) **(Jpn)**

[Combined splenectomy and immunotherapy for advanced gastric cancer] Miwa H, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20;18(7):1815–20 (Eng. Abstr.) **(Jpn)**

[Immunological significance of splenectomy in gastric cancer surgery. Production of immunosuppressive factor in the spleen] Kanayama H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):952–6 (Eng. Abstr.) **(Jpn)**

[Significance of splenectomy in the treatment of cancer] Kumashiro R, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):978–81 (Eng. Abstr.) **(Jpn)**

[The tumor—immunological significance of splenectomy for cancer therapy] Miwa H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):970–3 (Eng. Abstr.) **(Jpn)**

[Immunological effect of splenectomy in tumor–bearing rat] Saji S, et al. **Nippon Geka Gakkai Zasshi** 1983 Mar; 84(3):179–85 (Eng. Abstr.) **(Jpn)**

[Experimental study on immunological effect of splenectomy on tumor–bearers] Tanemura H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):982–6 (Eng. Abstr.) **(Jpn)**

[Analysis of suppressor cell activities in spleen cells from gastric cancer patients and the effect of splenectomy on prognosis of gastric cancer] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):961–4 (Eng. Abstr.) **(Jpn)**

[Immunological evaluation of splenectomy in tumor–bearing mice] Yamagishi H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):987–91 (Eng. Abstr.) **(Jpn)**

[Evaluation of splenectomy and possible metastasis from gastric cancer, with reference to nonspecific immunological parameters and postoperative survival] Yoshino K, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):947–51 (Eng. Abstr.) **(Jpn)**

[A case of idiopathic thrombocytopenic purpura (ITP) associated with intracranial hemorrhage and hyperthyroidism successfully treated by splenectomy] Kizaki M, et al. **Rinsho Ketsueki** 1984 Feb;25(2):182–7 **(Jpn)**

[Splenectomy made possible by administration of a massive dosage of IgG in refractory ITP associated with Plasmodium vivax malaria] Tatewaki W, et al. **Rinsho Ketsueki** 1983 Feb;24(2):213–7 (Eng. Abstr.) **(Jpn)**

[Long–term follow–up of Felty's syndrome—study on physiopathology and therapy] Inoue T, et al. **Ryumachi** 1983 Oct;23(5):362–9 (Eng. Abstr.) **(Jpn)**

[Role of laparotomy and splenectomy in the treatment of Hodgkin's disease] Płużańska A, et al.

Pol Arch Med Wewn 1983 Mar;69(3):199–207 (Eng. Abstr.) **(Pol)**

[Does exploratory laparotomy with splenectomy prolong the life of patients with Hodgkin's disease?] Armata J. **Pol Tyg Lek** 1983 Oct 17–24;38(42–43):1335–8 (32 ref.) **(Pol)**

[Splenectomy due to hematological indications. Results and complications] Hansz J, et al. **Pol Tyg Lek** 1983 Oct 17–24; 38(42–43):1313–6 (Eng. Abstr.) **(Pol)**

[Indications, results and complications of splenectomy in 36 cases of chronic granulocytic leukemia (CGL)] Butoianu E, et al. **Rev Med Interna [Med Interna]** 1983 May–Jun; 35(3):253–60 (Eng. Abstr.) **(Rum)**

[Surgical treatment of various hematologic diseases] Lubenskii IuM, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):76–80 (Eng. Abstr.) **(Rus)**

[Splenectomy in patients with liver cirrhosis complicated by portal hypertension] Patsiora MD, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):60–3 (Eng. Abstr.) **(Rus)**

[Radionuclide hepatography in the evaluation of liver blood flow and hepatocyte function in patients with extrahepatic variant of portal hypertension] Kamenker NL, et al. **Klin Khir** 1983 Sep;(9):25–7 (Eng. Abstr.) **(Rus)**

[Late results of splenectomy in hereditary microspherocytic hemolytic anemia in children] Sheĭnbaum MP, et al. **Klin Khir** 1984 Jun;(6):23–4 (Eng. Abstr.) **(Rus)**

[Effect of splenectomy on the immunologic status of children with lymphogranulomatosis] Goriachev VV, et al. **Pediatriia** 1984 Apr;(4):48 **(Rus)**

[Effect of splenectomy on the phagocytic activity of neutrophils] Vinogradova IuE, et al. **Ter Arkh** 1983; 55(8):68–71 **(Rus)**

[Hematopoietic data in assessing the origin of peripheral cytopenia and in determining the indications for splenectomy in patients with malignant lymphomas] Kindzel'skiĭ LP, et al. **Vrach Delo** 1984 Jul;(7):101–5 (Eng. Abstr.) **(Rus)**

[The importance of splenectomy in hematologic diseases] Schnorrer M. **Cesk Fysiol** 1983;32(5):445–52 (14 ref.) **(Slo)**

[Splenectomy in chronic granulocytic leukemia (letter)] Ponce de León S. **Gac Med Mex** 1983 Oct;119(10):423–6 **(Spa)**

[Considerations about splenectomy in hairy cell leukemia] Rojo Medina J, et al. **Rev Invest Clin** 1983 Apr–Jun; 35(2):121–5 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Postsplenectomy infections in Danish children splenectomized 1969–1978. Pedersen FK. **Acta Paediatr Scand** 1983 Jul;72(4):589–95

Postsplenectomy sepsis. Harris LF, et al. **Ala Med** 1984 Jan; 53(7):6–8

Pneumococcal endocarditis following splenectomy for trauma. Missri JC, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):622–4

Steroid responsiveness [letter] Steinherz R, et al. **Am J Dis Child** 1983 Nov;137(11):1129–30

Cutaneous extramedullary hematopoiesis following splenectomy for idiopathic myelofibrosis. Hocking WG, et al. **Am J Med** 1984 May;76(5):956–8

Site of splenic autotransplantation affects protection from sepsis. Livingston CD, et al. **Am J Surg** 1983 Dec; 146(6):734–7

Acquired tuftsin deficiency. Spirer Z, et al. **Ann NY Acad Sci** 1983;419:220–6

Serious infections in adults following splenectomy for trauma. Zarrabi MH, et al. **Arch Intern Med** 1984 Jul;144(7):1421–4

Splenectomy: indications, hazards and alternatives. Cooper MJ, et al. **Br J Surg** 1984 Mar;71(3):173–80

Preventing postsplenectomy sepsis [letter] Brigden ML, et al. **Can Med Assoc J** 1984 Feb 15;130(4):344

Late infections following splenectomy in Hodgkin's disease. Rosner F, et al. **Cancer Invest** 1983;1(1):57–65

Penicillin compliance in splenectomized thalassemics. Borgna-Pignatti C, et al. **Eur J Pediatr** 1984 Jun; 142(2):83–5

The effect of tuftsin and splenectomy on mortality after intraabdominal sepsis. Baker CC, et al. **J Surg Res** 1984 May;36(5):499–502

Protective effect of nonspecific immunostimulation in postsplenectomy sepsis. Browder W, et al. **J Surg Res** 1983 Dec;35(6):474–9

Fatal post-splenectomy pneumococcal sepsis despite pneumococcal vaccine and penicillin prophylaxis [letter] Brivet F, et al. **Lancet** 1984 Aug 11;2(8398):356–7.

Role of splenectomy in homozygous sickle cell disease in childhood. Emond AM, et al. **Lancet** 1984 Jan 14; 1(8368):88–91

Fatal post-splenectomy sepsis despite prophylaxis with penicillin and pneumococcal vaccine [letter] Evans DI. **Lancet** 1984 May 19;1(8386):1124

Is sepsis the only possible harmful consequence of splenectomy? [letter] Nomikos IN. **N Engl J Med** 1984 Jul 19;311(3):198

Complications of splenectomy. Etiology, prevention, and management. Ellison EC, et al. **Surg Clin North Am** 1983 Dec;63(6):1313–30 (88 ref.)

The late adverse effect of splenectomy on patient survival following cadaveric renal transplantation. Alexander JW, et al. **Transplantation** 1984 May;37(5):467–70

[The importance of preserving the spleen for the body's protection against infection] Hájková H, et al. **Rozhl Chir** 1983 Nov;62(11):767–72 (Eng. Abstr.) **(Cze)**

[Cytomegalovirus infection after splenectomy] Lanng C, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1129–31 (Eng. Abstr.) **(Dan)**

[Fulminant infectious syndrome after post-traumatic splenectomy] Marcillon M, et al. **Ann Fr Anesth Reanim** 1983;2(2):92–4 (Eng. Abstr.) **(Fre)**

[Autotransplantation of the spleen. Experimental study in rats. Histology and anti-infectious role of infected splenic tissue] Rush F, et al. **Chir Pediatr** 1984;25(1):6–11 (Eng. Abstr.) **(Fre)**

[Arteriovenous fistula of splenic vessels after splenectomy] Lacombe M, et al. **J Chir (Paris)** 1984 Mar;121(3):159–62 (Eng. Abstr.) **(Fre)**

[Fulminating pneumococcal infection in splenectomized patients] Castaigne S. **Presse Med** 1983 Nov 26; 12(43):2735–6 **(Fre)**

[Consequences of splenectomy] Najman A. **Sem Hop Paris** 1983 Oct 20;59(37–38):2663–4 **(Fre)**

[Splenectomy in adults and the OPSI (overwhelming postsplenectomy infection) syndrome] Sass W, et al. **Dtsch Med Wochenschr** 1984 Aug 17;109(33):1249–54 (84 ref.) **(Ger)**

[Asplenia: considerations on 40 patients splenectomized for injury, subjected to clinical, hematologic, immunologic, scintigraphic control] Cané A, et al. **Minerva Chir** 1984 Feb 15;39(3):173–8 (Eng. Abstr.) **(Ita)**

[Postsplenectomy infection and immunologic aspects of splenectomy] Sekikawa T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):943–6 (Eng. Abstr.) **(Jpn)**

[Splenectomy as a clinical problem] Barcikowski S, et al. **Pol Tyg Lek** 1983 May 16–23;38(20–21):661–3 (37 ref.) **(Pol)**

[Adverse effects of splenectomy] Juszczyński M. **Pol Tyg Lek** 1983 Oct 17–24;38(42–43):1339–41 (11 ref.) **(Pol)**

[Infections in patients after splenectomy] Bojić I, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):453–6 **(Scr)**

[Intra- and postoperative complications of elective splenectomy] Rodriguez A, et al. **Rev Esp Anestesiol Reanim** 1983 Jul–Aug;30(4):145–8 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Partial splenectomy with the automatic stapler in the adult (letter)] Koyazounda A, et al. **Presse Med** 1984 May 19; 13(21):1336 **(Fre)**

METHODS

The risk of improperly staging Hodgkin's disease with partial splenectomy. Sterchi JM, et al. **Am Surg** 1984 Jan; 50(1):20–2

The rare indication for splenectomy as part of cytoreductive surgery in ovarian cancer. Deppe G, et al. **Gynecol Oncol** 1983 Oct;16(2):282–7

Partial splenectomy for a splenic cyst. Pull ter Gunne AJ, et al. **Neth J Surg** 1984 Jun;36(3):77–9

Experimental splenic preservation employing microwave surgical techniques: a preliminary report. Toy FK, et al. **Surgery** 1984 Jul;96(1):117–21

[Technical aspects of splenectomy] Daum R, et al. **Z Kinderchir** 1983 Aug;38(4):269–71 (Eng. Abstr.) **(Ger)**

[Experimental studies on the rat-model for partial splenectomy and on spleen regeneration] Chiba T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):49–55 (Eng. Abstr.) **(Jpn)**

[Splenopancreatogastrectomy in stomach cancer] Sigal MZ, et al. **Vestn Khir** 1984 Mar;132(3):37–41 (Eng. Abstr.) **(Rus)**

[Splenic conservative surgery in infants] Valoria Villamartín JM, et al. **An Esp Pediatr** 1983 Jun;18(6):489–92 (Eng. Abstr.) **(Spa)**

MORTALITY

Splenectomy and death in renal transplant patients [letter] **Arch Surg** 1984 Apr;119(4):485–7

Splenectomy in primary myelofibrosis: two long-term survivors after splenectomy. Yonemitsu H, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):80–8

VETERINARY

Role of splenectomy in prevention of hemorrhagic enteritis and death from hemorrhagic enteritis virus in turkeys. Ossa JE, et al. **Avian Dis** 1983 Oct–Dec;27(4):1106–11

SPLENIC ARTERY

Splenic embolization monitored by the video dilution technique. Porter BA, et al. **AJR** 1983 Nov;141(5):1063–5

Temporary splenic artery occlusion during construction of the distal splenorenal shunt. Thompson JS, et al. **Am Surg** 1984 Aug;50(8):458–9

Splenic artery aneurysm diagnosed by Tc-99m abdominal flow study. Abdel-Dayem HM, et al. **Clin Nucl Med** 1984 Jan;9(1):43

Embolisation of the splenic artery as an alternative to splenectomy for treating hereditary spherocytosis. Hołowiecki J, et al. **Folia Haematol (Leipz)** 1983; 110(6):913–6

Recurrent hemorrhage into the pancreatic duct from a splenic artery aneurysm. Harper PC, et al. **Gastroenterology** 1984 Aug;87(2):417–20

Splenic artery embolism. Haskel Y, et al. **Isr J Med Sci** 1984 Aug;20(8):715–6

Splenic artery aneurysms. Bradham RR, et al. **J SC Med Assoc** 1984 Feb;80(2):49–52 (11 ref.)

Aneurysms of the splenic artery: noninvasive diagnosis by pulsed Doppler sonography. Derchi LE, et al. **J Ultrasound Med** 1984 Jan;3(1):41–4

Splenectomy after angiographic embolization of the splenic artery in patients with massive splenomegaly and severe thrombocytopenia, in juvenile subacute myelomonocytic leukemia. Steinherz PG, et al. **Med Pediatr Oncol** 1984; 12(1):28–32

Spontaneous rupture of splenic artery aneurysm: sixth instance of both maternal and fetal survival. Mehrotra D, et al. **Obstet Gynecol** 1983 Nov;62(5):665–6

[Therapeutic splenic embolization] Chen XR. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov;17(4):300–4 **(Chi)**

[Rupture of a splenic artery aneurysm in a woman suffering from Wilson's disease] Härkönen N. **Duodecim** 1984; 100(6):355–7 **(Fin)**

[Arteriovenous fistula of splenic vessels after splenectomy] Lacombe M, et al. **J Chir (Paris)** 1984 Mar;121(3):159–62 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of an aneurysm of the splenic artery in pregnancy. Apropos of a new case] Buchet C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):157–63 (Eng. Abstr.) **(Fre)**

[Portal hypertension caused by an arteriovenous fistula between the splenic artery and splenic vein] Böning L, et al. **MMW** 1984 Feb 17;126(7):175–7 (Eng. Abstr.) **(Ger)**

[Arteriovenous fistula caused by cavernous hemangioma of the spleen] Shigematsu H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2433–7 **(Jpn)**

[A case of pancreatic pseudocyst with pseudoaneurysm of splenic artery] Yamamoto S, et al. **Rinsho Hoshasen** 1984 Apr;29(4):523–5 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

[Anatomical basis for partial splenectomy] Wu YM. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):533–4 (Eng. Abstr.) **(Chi)**

[Vascular segmentation of the spleen in the newborn infant. Anatomical support for partial resection] Mandarim-Lacerda CA, et al. **J Chir (Paris)** 1983 Aug–Sep; 120(8–9):471–3 (Eng. Abstr.) **(Fre)**

METABOLISM

(3H)-spiroperidol binding sites in the rabbit splenic artery. Amenta F, et al. **Basic Res Cardiol** 1984 Jan–Feb;79(1):80–5

PATHOLOGY

Histometric analysis of sheathed capillaries in congestive splenomegaly. Cavalli G, et al. **Appl Pathol** 1983; 1(3):157–63

A rare anomalous case of absence of the celiac trunk--the left gastric, the splenic and the common hepatic arteries arose from the abdominal aorta independently. Okada S, et al. **Okajimas Folia Anat Jpn** 1983 May;60(1):65–71

RADIOGRAPHY

Angiographic management of bleeding in gestational trophoblastic malignancy. Vujic I, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):90–2

[Aneurysm of the splenic artery. Chronic abdominal pain secondary to dissection (letter)] Panzer JM, et al. **Presse Med** 1984 Mar 3;13(9):565 **(Fre)**

[Roentgenogrammetry of the spleen and its vessels under normal conditions and in disorders of visceral hemodynamics (based on angiographic studies)] Kondrashin SA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):59–62 (Eng. Abstr.) **(Rus)**

SURGERY

Splenic regeneration and blood flow after ligation of the splenic artery or partial splenectomy. Pabst R, et al. **Am J Surg** 1984 Mar;147(3):382–6

The collateral arterial network of the spleen following ligation of the splenic artery in traumatic rupture of the spleen; an arteriographic study. Keramidas DC, et al. **Z Kinderchir** 1984 Feb;39(1):50–1

[Ligation of the splenic artery for traumatic rupture of the spleen--an experimental investigation] Li BH. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):78–80 (Eng. Abstr.) **(Chi)**

[A case of acute hepatic encephalopathy caused by viral hepatitis and treated by arterialization of the portal blood] Kokot F, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):471–2 **(Pol)**

SPLENIC DISEASES

[General review of splenic abscess (with the exception of amebic and tuberculous)] Elkabbaj M. **Maroc Med** 1983 Jun;5(2):136–41 (Eng. Abstr.) **(Fre)**

[Epidermoid cysts of the spleen] Skorić-Hajduković M, et al. **Lijec Vjesn** 1984 Apr;106(4):139–41 (Eng. Abstr.) **(Scr)**

BLOOD

Acquired tuftsin deficiency. Spirer Z, et al. **Ann NY Acad Sci** 1983;419:220–6

Serum beta-2-microglobulin in intestinal and hepatosplenic bilharziasis. Nasser HE, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):423–7

CHEMICALLY INDUCED

Splenic siderosis and parenteral iron dextran in maintenance haemodialysis patients. Murray JA, et al. **J Clin Pathol** 1984 Jan;37(1):59–64

[Thorotrastosis, fossil pathology] Kains JP, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb;47(1):23–7 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Chemical peritonitis as caused by a rupture of a splenic cyst. Report of two cases. Kiviniemi H, et al. **Acta Chir Scand** 1984;150(4):343–4

Drowning with hemorrhage into a splenic cyst. An unusual case of drowning. Michalodimitrakis M, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):269–71

Marked lymphocytosis suggesting chronic lymphocytic leukemia in three patients with hyposplenism. Wilkinson LS, et al. **Am J Med** 1983 Dec;75(6):1053–6

Amyloidosis and hyposplenism with leukocytosis and thrombocytosis [letter] Jacobson IM, et al. **Ann Intern Med** 1983 Oct;99(4):573

Splenic abscess complicating infectious endocarditis. Johnson JD, et al. **Arch Intern Med** 1983 May;143(5):906–12

Abscess splenic and infectious endocarditis [letter] Le TH, et al. **Arch Intern Med** 1984 Feb;144(2):414

A case report of splenic pregnancy. Huber DE, et al. **Aust NZ J Surg** 1984 Feb;54(1):81–2

Sézary syndrome with hyposplenism. Pichler WJ, et al. **Blut** 1984 Aug;49(2):75–82

Overwhelming pneumococcal infection in a hyposplenic adult. Hatch JP, et al. **Can Med Assoc J** 1983 Oct 15; 129(8):851–4

Defective splenic function and its relation to bowel disease. Corazzo GR, et al. **Clin Gastroenterol** 1983 Sep; 12(3):651–69

Splenic torsion. An unusual cause of splenomegaly. Toback AC, et al. **Dig Dis Sci** 1984 Sep;29(9):868–71

Splenic abscess associated with Streptococcus bovis septicemia and neoplastic lesions of the colon. Belinkie SA, et al. **Dis Colon Rectum** 1983 Dec;26(12):823–4

Increased hepatitis B infection in hepatosplenic schistosomiasis in the Sudan. Daneshmend TK, et al. **East Afr Med J** 1984 Feb;61(2):133–5

Recurrent hemorrhage into the pancreatic duct from a splenic artery aneurysm. Harper PC, et al. **Gastroenterology** 1984 Aug;87(2):417–20

Radiologic diagnosis of wandering spleen complicated by splenic volvulus and infarction. Salomonowitz E, et al. **Gastrointest Radiol** 1984;9(1):57–9

Ruptured splenic abscess. Vohra R, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):91–3

Overwhelming pneumococcal septicemia in a patient with HbSC disease and splenic dysfunction. Chilcote RR, et al. **J Pediatr** 1984 May;104(5):734–6

[Two cases of localized splenic lesion associated with hepatic hemangioma] Ishida H, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):319–22 (Eng. Abstr.) **(Jpn)**

[Torsion and rupture of floating spleen in combination with destructive appendicitis in a 13-year-old girl] Gaĭnanov FKh, et al. **Vestn Khir** 1983 Jul;131(7):114 **(Rus)**

[Abscess of the spleen] Leshchenko AP, et al. **Vestn Khir** 1984 Apr;132(4):123–4 **(Rus)**

[Silent subcapsular hematoma of the spleen: a rare cause of pseudotumoral splenomegaly (letter)] Pigrau C, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):496–7 **(Spa)**

DIAGNOSIS

Wandering spleen in two children—the role of ultrasonic diagnosis. Barki Y, et al. **Br J Radiol** 1984 Mar; 57(675):267–70

Detecting splenic dysfunction [letter] Poldre PA. **Can Med Assoc J** 1984 Feb 1;130(3):257

Splenectomy as a diagnostic technique. Lampert IA. **Clin Haematol** 1983 Jun;12(2):535–63 (84 ref.)

Spleen imaging. Myers MJ. **Clin Haematol** 1983 Jun; 12(2):395–420

Subcapsular splenic hematoma vs intrasplenic pancreatic pseudocyst. Wallner RJ, et al. **Clin Nucl Med** 1984 Jun; 9(6):348–51

Splenic abscess: a review with the value of ultrasound. Hertzanu Y, et al. **Clin Radiol** 1983 Nov;34(6):661–7

Delayed splenic rupture: a true entity. Hertzanu Y, et al. **Clin Radiol** 1984 Sep;35(5):393–6

Splenic abscess: ultrasound and CT appearances. O'Neill G, et al. **Ir Med J** 1983 Aug;76(8):355–6

Splenopexy for the wandering spleen. Siplovich L, et al. **Isr J Med Sci** 1984 Feb;20(2):170–2

Diagnosis of liver-spleen abscesses in children—with emphasis on ultrasound for the initial and follow-up examinations. Laurin S, et al. **Pediatr Radiol** 1984; 14(4):198–204

Splenic abscess diagnosed by ultrasound in the pediatric patient. Report of three cases. Rudick MG, et al. **Pediatr Radiol** 1983;13(5):269–71

[Chronic splenic abscess : a case report] Tredoux JG, et al. **S Afr Med J** 1984 Jul 14;66(2):68–71 (Eng. Abstr.) **(Afr)**

[Multiple splenic and renal abscesses caused by Candida albicans: a new diagnostic and therapeutic method using intraoperative echography and closure of the residual cavities with biological glue] Giannotta A, et al. **J Urol (Paris)** 1983;89(9):695–9 (Eng. Abstr.) **(Fre)**

[Epidermoid cysts of the spleen. Apropos of 2 cases] Quilichini MA, et al. **Sem Hop Paris** 1984 Mar 1; 60(10):678–81 (Eng. Abstr.) **(Fre)**

[Calcified lymphangioma of the spleen. A contribution to the diagnosis and differential diagnosis of splenic cysts] Röhrborn C, et al. **Chirurg** 1984 Feb;55(2):122–4 **(Ger)**

[Primary splenic cyst. Unusual differential diagnosis of a benign splenic tumor] Keller H, et al. **Med Welt** 1983 Nov 11;34(45):1273–6 **(Ger)**

[Differential indications for sonography, 4. Ultrasonic study: the pancreas and spleen] Cabell R. **MMW** 1983 Sep 9; 125(36):86–7 **(Ger)**

[Sonographic study of the spleen and retroperitoneal space-occupying masses] Kathrein H, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):489–94 (Eng. Abstr.) **(Ger)**

[Space occupying lesions of the spleen—diagnostic approach] Garfinkel D, et al. **Harefuah** 1984 Jan 1;106(1):22–5 **(Heb)**

[Epidermoid cyst of the spleen] Bán A, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jan;24(1):70–2 (Eng. Abstr.) **(Hun)**

[Subcapsular hematoma of the spleen. Report of an echotomographic diagnosis] Amerio GM, et al. **Minerva Chir** 1984 Apr 15;39(7):577–8 (Eng. Abstr.) **(Ita)**

[Relation of scintigraphy, echotomography and conventional computerized tomography in the diagnosis of hepatic and splenic pathology. I. Echotomography] Paolini FA, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):69–75 (Eng. Abstr.) **(Ita)**

[Wandering spleen with acute torsion of the pedicle] Andermarcher M, et al. **Pediatr Med Chir** 1983 Mar–Apr; 5(1–2):141–2 (Eng. Abstr.) **(Ita)**

[Concurrent presence of wandering spleen and accessory spleen: report of a case] Takahashi M, et al. **Rinsho Hoshasen** 1984 Apr;29(4):527–30 (Eng. Abstr.) **(Jpn)**

[Case of a splenic form of sarcoidosis] Bubiński R, et al. **Pol Tyg Lek** 1983 Apr 18;38(16):509–10 (Eng. Abstr.) **(Pol)**

[Isolated splenic abscess] Sworczak K, et al. **Pol Tyg Lek** 1984 Feb 13;39(7):219–20 (Eng. Abstr.) **(Pol)**

[Torsional floating spleen simulating ovarian tumor] Ishchenko GT, et al. **Akush Ginekol (Mosk)** 1984 May; (5):68–9 **(Rus)**

[Nonparasitic splenic cyst] Shkrobot PT, et al. **Klin Khir** 1983 Sep;(9):70–1 **(Rus)**

[Gaucher's disease of an isolated splenic form. Presentation of a patient] Fernández Ramos O, et al. **Rev Clin Esp** 1984 Feb 29;172(4):237–8 **(Spa)**

DRUG THERAPY

Splenic abscess: successful non-surgical therapy. Jolobe OM, et al. **Postgrad Med J** 1983 Jun;59(692):386–7

Objective response in amyloidosis treated with intermittent chemotherapy. Farhangi M, et al. **South Med J** 1984 Jun; 77(6):775–7

Medical treatment of splenic abscess. Tooke MC. **South Med J** 1983 Dec;76(12):1572–4

[A model for splenic deficiency caused by irregular eating and its treatment with traditional Chinese medicine] Huang BS. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep;3(5):295–6 **(Chi)**

[Treatment of hepatosplenic schistosomiasis mansoni with praziquantel] Coutinho AD, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jan–Feb;26(1):38–50 (Eng. Abstr.) **(Por)**

ETIOLOGY

Splenic complications of a pancreatic pseudocyst. Sitzmann JV, et al. **Am J Surg** 1984 Feb;147(2):191–6

Detection of celiac disease in hyposplenic patients [letter] Lukie B. **Can Med Assoc J** 1984 May 15;130(10):1262

Splenic abscess caused by Shigella flexneri and Bacteroides fragilis. Drow DL, et al. **J Clin Microbiol** 1984 Jan; 19(1):79–80

Ultramicrostructural study of intravenous fat emulsion using a new fixation method. (II). A comparative study on the effect of fat emulsion to the spleen between short time infusion of intravenous fat emulsion and the one-pack infusion method. Miki K. **Nippon Geka Hokan** 1983 Jan 1;52(1):53–66

Fatal acute splenic sequestration at 4 months of age. Walterspiel JN, et al. **Pediatrics** 1984 Apr;73(4):507–8

Spontaneous rupture of the spleen in early pregnancy. Lamerton AJ. **Postgrad Med J** 1983 Sep;59(695):596–7

Evidence of hyposplenism in the presence of splenomegaly. Steinberg MH, et al. **Scand J Haematol** 1983 Nov; 31(5):437–9

Postembolization splenic abscess in a patient with pancreatitis and splenic vein thrombosis. Jones KB, et al. **South Med J** 1984 Mar;77(3):390–3

[Torsion of an accessory spleen] Valleix D, et al. **Ann Chir** 1983 Sep;37(6):440–2 (Eng. Abstr.) **(Fre)**

[A case from practice (21): post-traumatic pseudocysts of the spleen] Fried M. **Schweiz Rundsch Med Prax** 1984 Feb 28;73(9):287–8 **(Ger)**

[Hyposplenism in intestinal diseases] Corazza GR, et al. **Recenti Prog Med** 1983 Aug;74(8):930–45 (82 ref.) (Eng Abstr.) **(Ita)**

[The mystery of spontaneous splenic hypofunction (autosplenectomy)] Aggio MC. **Medicina (B Aires)** 1983; 43(6 Pt 1):721–4 **(Spa)**

FAMILIAL & GENETIC

Solitary epidermoid splenic cysts: occurrence in sibs. Ahlgren LS, et al. **J Pediatr Surg** 1984 Feb;19(1):56–8

METABOLISM

Pharmacokinetics of cefoperazone in normal subjects and patients with hepatosplenic schistosomiasis. Boscia JA, et al. **J Antimicrob Chemother** 1983 Oct;12(4):407–10

[Preliminary study on the relationship between spleen and gastric acid secretory function—analysis of 341 cases] Wang ZQ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jan; 4(1):36–8 (Eng. Abstr.) **(Chi)**

MICROBIOLOGY

Splenic abscess caused by Corynebacterium diphtheriae. Alexander D. **Clin Pediatr (Phila)** 1984 Oct;23(10):591–2

[Splenic Salmonella typhimurium abscess (letter)] Alonso Alonso JJ, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):831 **(Spa)**

OCCURRENCE

Follicular (mineral oil) lipidosis: I. Epidemiologic studies of involvement of the spleen. Cruickshank B. **Hum Pathol** 1984 Aug;15(8):724–30

PATHOLOGY

Hepatoma after thorotrast. Morphological and autoradiographic data. Lageron A, et al. **Acta Histochem (Jena)** 1984;74(1):5–10

Hepatosplenic human schistosomiasis; progress and problems. Gigase PL. **Acta Leiden** 1982 Aug;49:41–53

Granulomas of spleen and liver in hairy cell leukaemia. Bendix-Hansen K, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 May; 92(3):157–60

Fibrous thickening of the splenic capsule. A response to chronic splenic congestion. Wanless IR, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):595–9

Hepatosplenic schistosomiasis in a South-East Asian refugee child in South Australia. Southwood T, et al. **Aust NZ J Med** 1983 Aug;13(4):384–6

Diffuse cystic lymphangiomatosis of the spleen: clinical and pathological features. Gwavava NJ, et al. **Cent Afr J Med** 1983 Jun;29(6):119–21

Laparoscopic splenic biopsy. Dagnini G, et al. **Endoscopy** 1984 Mar;16(2):55–8

[Case of isolated echinococcosis of the spleen] Tasev Kh. **Khirurgiia (Sofiia)** 1984;37(1):65–6 **(Bul)**

[Splenic involvement in infectious endocarditis. 5 clinical cases and 78 necropsies] Le Thi Huong Du, et al. **Ann Med Interne (Paris)** 1984;135(3):181–8 (Eng. Abstr.) **(Fre)**

[Epidermoid cyst of the spleen in children. Apropos of 2 cases] Bourdelat D, et al. **Chir Pediatr** 1983;24(3):193–5 (Eng. Abstr.) **(Fre)**

[Benign tumors of the spleen in pediatrics] Segarra Llído V, et al. **An Esp Pediatr** 1984 Jan;20(1):62–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Defective splenic function and its relation to bowel disease. Corazzo GR, et al. **Clin Gastroenterol** 1983 Sep; 12(3):651–69

[Preliminary observation on digestive function of aged people and patients with splenic deficiency] Jin JS. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar;4(3):164–5 (Eng. Abstr.) **(Chi)**

[Preliminary study on the digestive function of tumor patients with 'Pi xu'] Yu RC. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jan;4(1):13–5 (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

Torsion of wandering spleen and distal pancreas. Sheflin JR, et al. **AJR** 1984 Jan;142(1):100–1

Radiological case of the month. Hepatic and splenic candidiasis in acute leukemia. Sumner TE, et al. **Am J Dis Child** 1983 Dec;137(12):1193–4

Computed tomographic evaluation of spontaneous healing of splenic hematoma. Rivero H, et al. **Comput Radiol** 1984 Jan–Feb;8(1):5–7

The case of the enlarged spleen. Seaman WB. **Hosp Pract [Off]** 1984 Jun;19(6):55–6

CT follow-up of hepatic and splenic fungal microabscesses. Berlow ME, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):42–5
Computed tomography in splenic hemorrhage. Cholankeril JV. **J Comput Tomogr** 1984 Apr;8(2):145–51
Left lobe of the liver draping around the spleen: a pitfall in computed tomography diagnosis of perisplenic hematoma. Cholankeril JV, et al. **J Comput Tomogr** 1984 Jul;8(3):261–7
[Tomodensitometry in focal splenic pathology] Anjou A, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):275–83 (Eng. Abstr.) **(Fre)**
[Computerized tomography in the location of hepato-splenic echinococcal cysts. Presentation of 2 cases] Petti A, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):453–6 (Eng. Abstr.) **(Ita)**
[Relation of scintigraphy, echotomography and conventional computerized tomography in the diagnosis of hepatic and splenic diseases. II. Conventional computerized tomography] Paolini FA, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):77–82 (Eng. Abstr.) **(Ita)**
[Intrathoracic spleen secondary to non-penetrating traumatic rupture of the diaphragm] Hirano N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1122–5 (Eng. Abstr.) **(Jpn)**
[Diagnostic value of selective arteriography of the branches of the abdominal aorta] Datcu MD, et al. **Rev Med Interna [Med Interna]** 1982 May–Jun;34(3):235–41 **(Rum)**

RADIONUCLIDE IMAGING

Functional asplenia in patients with chronic graft-versus-host disease: concise communication. Al-Eid MA, et al. **J Nucl Med** 1983 Dec;24(12):1123–6
Measurement of splenic function with heat-damaged RBCs: effect of heating conditions: concise communication. Valk PE, et al. **J Nucl Med** 1984 Sep;25(9):965–8
Spleen imaging—enlargement of the spleen. Groshar D, et al. **Semin Nucl Med** 1983 Jul;13(3):295–7
[Peritoneal splenosis manifested by infectious mononucleosis in an adolescent. Contribution of scintigraphy] Garcin G, et al. **Arch Anat Cytol Pathol** 1983;31(5):278–82 (Eng. Abstr.) **(Fre)**

SURGERY

The injured spleen: should consideration be given to conservative management? Hunter RA, et al. **Aust NZ J Surg** 1984 Apr;54(2):129–35
Removal of a large splenic cyst with splenic preservation [letter] Kievit J, et al. **Neth J Surg** 1984 Feb;36(1):27
Partial splenectomy for a splenic cyst. Pull ter Gunne AJ, et al. **Neth J Surg** 1984 Jun;36(3):77–9
Infrared-contact coagulation of parenchymatous organs – report of three cases. Angerpointner TA, et al. **Z Kinderchir** 1983 Oct;38(5):356–8
[Prophylactic selective splenorenal anastomosis in the hepatosplenic form of schistosomiasis] Abrantes WL, et al. **AMB** 1983 Sep–Oct;29(9–10):160–2 (Eng. Abstr.) **(Por)**
[Torsion of the spleen peduncle] Khaimov IuIu, et al. **Klin Khir** 1983 Sep;(9):70 **(Rus)**

THERAPY

Angiographic management of bleeding in gestational trophoblastic malignancy. Vujic I, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):90–2

VETERINARY

[Clinico-epizootiological and pathomorphological studies of 'marble spleen' disease in pheasants] Stoĭkov D, et al. **Vet Med Nauki** 1983;20(7):89–97 (Eng. Abstr.) **(Bul)**

SPLENIC INFARCTION

COMPLICATIONS

Radiologic diagnosis of wandering spleen complicated by splenic volvulus and infarction. Salomonowitz E, et al. **Gastrointest Radiol** 1984;9(1):57–9
Bowel obstruction due to infarcted splenosis. Sirinek KR, et al. **South Med J** 1984 Jun;77(6):764–7

DIAGNOSIS

[Massive infarction of the spleen presenting as an abdominal tumor] Manchev I. **Khirurgiia (Sofiia)** 1983;36(5):486–8 **(Bul)**

ETIOLOGY

Sonography after splenic embolization: the wedge-shaped acute infarct. Weingarten MJ, et al. **AJR** 1984 May; 142(5):957–9
An unusual cause of multiple splenic infarcts. Velchik MG, et al. **Clin Nucl Med** 1983 Sep;8(9):444
Massive splenomegaly with multiple defects in a chronic myelogenous leukemia demonstrated by 99mTc-sulfur colloid scintigraphy. Shih WJ, et al. **Eur J Nucl Med** 1983; 8(11):509–11
Splenic infarction, a complication of transcatheter hepatic arterial embolization for liver malignancies. Takayasu K, et al. **Radiology** 1984 May;151(2):371–5
[Suppurating splenic infarction originating from endocarditis] Trunet P, et al. **Arch Mal Coeur** 1983 Nov;76(11):1357–61 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Computed tomography of splenic infarction. Cohen BA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):167–8
CT patterns of splenic infarction: a clinical and experimental study. Balcar I, et al. **Radiology** 1984 Jun;151(3):723–9

RADIONUCLIDE IMAGING

Radiocolloid redistribution and multiple splenic infarcts in myelofibrosis. Polga JP, et al. **Clin Nucl Med** 1983 Aug; 8(8):335–6

SPLENIC NEOPLASMS

COMPLICATIONS

[Consumption coagulopathy and microangiopathic hemolytic anemia in a patient with splenic hemangioma and then peritoneal splenosis (letter)] Adoue D, et al. **Presse Med** 1984 Mar 24;13(12):740 **(Fre)**
[Arteriovenous fistula caused by cavernous hemangioma of the spleen] Shigematsu H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2433–7 **(Jpn)**

DIAGNOSIS

Lymphoma presenting as an abdominal mass involving an ectopic spleen. Barloon TJ, et al. **Am J Gastroenterol** 1984 Sep;79(9):684–6
Splenic rupture as a presenting sign of lymphoma of the spleen. Berrebi A, et al. **Isr J Med Sci** 1984 Jan;20(1):66–7
Ultrasound features of a symptomatic splenic hemangioma. Manor A, et al. **JCU** 1984 Feb;12(2):95–7
Multimodal approach to diagnosis of hamartoma of the spleen. Kuykendall JD, et al. **Pediatr Radiol** 1977; 5(4):239–41
Angiosarcoma of the spleen in the case of a 75-year-old female patient. Hadnagy C, et al. **Z Gerontol** 1983 Jul–Aug; 16(4):190
[Cystic hepatosplenic lymphangioma] Dupuy JP, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):417–20 (Eng. Abstr.) **(Fre)**
[Echography in tumor pathology of the spleen: limitations and perspectives] Bruneton JN, et al. **Nouv Rev Fr Hematol** 1983;25(6):355–61 (Eng. Abstr.) **(Fre)**
[Calcified lymphangioma of the spleen. A contribution to the diagnosis and differential diagnosis of splenic cysts] Röhrborn C, et al. **Chirurg** 158ª Feb;55(2):122–4 **(Ger)**
[Ultrasonic diagnosis of tumors of the spleen] Koga T. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1514–20 (Eng. Abstr.) **(Jpn)**
[Echography in the evaluation of the spleen in lymphogranulomatosis in children] Dvoriakovskiĭ IV, et al. **Pediatriia** 1984 Jan;(1):51–2 **(Rus)**

DRUG THERAPY

The treatment of malignant histiocytosis. Tseng A Jr, et al. **Blood** 1984 Jul;64(1):48–53

ETIOLOGY

Systemic lupus erythematosus and lymphoma. A family study. Berliner S, et al. **Scand J Rheumatol** 1983;12(3):310–4

MORTALITY

[Primary malignant lymphoma of the spleen in a long surviving patient and review of the literature] Ono N, et al. **Gan No Rinsho** 1984 Feb;30(2):194–7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Inflammatory pseudotumor of the spleen. Cotelingam JD, et al. **Am J Surg Pathol** 1984 May;8(5):375–80
Two sublines of a lymphoblastoid cell line associated with Marek's disease virus. Yamada M, et al. **Gann** 1983 Aug; 74(4):502–8
Splenic fibrosis and sarcomas in F344 rats fed diets containing aniline hydrochloride, p-chloroaniline, azobenzene, o-toluidine hydrochloride, 4,4'-sulfonyldianiline, or D & C red No. 9. Goodman DG, et al. **JNCI** 1984 Jul; 73(1):265–73
Assessment of liver and spleen involvement in Hodgkin's disease. Miseria S, et al. **Tumori** 1984 Apr 30;70(2):147–50
[Laparotomy in Hodgkin's disease: significance of splenic involvement] Tawil E, et al. **Can Med Assoc J** 1984 Jul 15;131(2):115–8 (Eng. Abstr.) **(Fre)**
[Primary sarcoma of the spleen] Lessel W, et al. **Zentralbl Allg Pathol** 1983;128(3–4):183–8 (Eng. Abstr.) **(Ger)**
[Splenic cavernous hemangioma. Presentation of a clinical case] Noya G, et al. **Minerva Med** 1984 Mar 10; 75(9–10):483–6 (Eng. Abstr.) **(Ita)**
[Distribution of lymphocyte subpopulations of the spleen in malignant lymphoma] Dumitrescu A, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):19–24 **(Rum)**
[Cavernous hemangioma of the spleen] Manchev I, et al. **Khirurgiia (Sofiia)** 1983;36(6):571–2 **(Rus)**
[Monolayer culture of bone marrow and splenic fibroblasts in lymphoproliferative diseases] Domracheva EV, et al. **Ter Arkh** 1984;56(6):63–5 (Eng. Abstr.) **(Rus)**
[Benign tumors of the spleen in pediatrics] Segarra Llido V, et al. **An Esp Pediatr** 1984 Jan;20(1):62–5 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Tomodensitometry in focal splenic pathology] Anjou A, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):275–83 (Eng. Abstr.) **(Fre)**
[Lymphoma of the spleen with secondary involvement of the stomach] Varnaeva NI, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):75–7 **(Rus)**

RADIONUCLIDE IMAGING

Primary hemangiosarcoma of the spleen with angioscintigraphic demonstration of metastases. Hermann GG, et al. **Cancer** 1984 Apr 15;53(8):1682–5
Scintigraphic findings in large-cell lymphoma of the spleen: concise communication. Lindfors KK, et al. **J Nucl Med** 1984 Sep;25(9):969–71

SECONDARY

Computed tomographic demonstration of colonic carcinoma metastatic to the spleen. Bisker J, et al. **Comput Radiol** 1983 May–Jun;7(3):193–4
Dynamic topography of the contrast enhancement of the spleen. Partanen K, et al. **Eur J Radiol** 1984 May;4(2):101–6
New contrast material improves detection of liver and spleen metastases. Vermess M. **JAMA** 1984 Feb 10;251(6):707–8
Distant spreading of renal cell carcinoma: recurrence or metastasis? [letter] Piscioli F, et al. **Urology** 1984 May; 23(5):529–30
Remote recurrence of renal cell carcinoma. Strum WB. **Urology** 1984 Jan;23(1):68–70
[A case of chorioepithelioma of the spleen] Lamantea A, et al. **Minerva Chir** 1983 Oct 15;38(19):1537–40 **(Ita)**
[Metastasis of gastric cancer to the spleen—a case report] Takebayashi M, et al. **Gan No Rinsho** 1983 Nov; 29(14):1703–5 (Eng. Abstr.) **(Jpn)**

THERAPY

Primary hepatic or hepatosplenic non-Hodgkin's lymphoma in children. Miller ST, et al. **Cancer** 1983 Dec 15; 52(12):2285–8
[Plasmapheresis in the treatment of paraproteinemic hemoblastoses] Ryzhko VV, et al. **Ter Arkh** 1983; 55(11):70–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Splenic hamartoma, vascular type, with endothelial proliferation. Pardo-Mindan FJ, et al. **Pathol Res Pract** 1983 Jun;177(1):32–40
Transmission and scanning-electronmicroscopy of experimental liver metastases derived from intrasplenically growing primary tumor. Timár J, et al. **Pathol Res Pract** 1983 Jun;177(1):47–59

VETERINARY

Two-dimensional, gray-scale ultrasonography for assessment of hepatic and splenic neoplasia in the dog and cat. Feeney DA, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):68–81
Morphology of pancreatic tissue-containing accessory spleen in an APA hamster. Isegawa N, et al. **Jikken Dobutsu** 1984 Apr;33(2):217–22
Splenic lymphosarcoma in a horse. Nyack B, et al. **Mod Vet Pract** 1984 Apr;65(4):269–70, 272
Three cases of feline lymphosarcoma with formation of multinucleated giant cells. Nakayama H, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):225–8
Splenic myelolipomas in two dogs. Zimmer MA, et al. **Vet Pathol** 1983 Sep;20(5):637–8

SPLENIC RUPTURE

COMPLICATIONS

Chemical peritonitis as caused by a rupture of a splenic cyst. Report of two cases. Kiviniemi H, et al. **Acta Chir Scand** 1984;150(4):343–4
[Multiple liver abscesses in a child after splenic and rectal rupture of unknown etiology] Malec Z, et al. **Wiad Lek** 1983 Jun 15;36(12):1013–6 (Eng. Abstr.) **(Pol)**
[Torsion and rupture of floating spleen in combination with destructive appendicitis in a 13-year-old girl] Gainanov FKh, et al. **Vestn Khir** 1983 Jul;131(7):114 **(Rus)**

DIAGNOSIS

Delayed rupture of the spleen can masquerade as appendicitis [letter] **Ann R Coll Surg Engl** 1984 May;66(3):225
Delayed rupture of the spleen can masquerade as appendicitis. Campbell WB. **Ann R Coll Surg Engl** 1983 Nov;65(6):396
Delayed rupture of the spleen can masquerade as appendicitis [letter] Sriskandavarman S. **Ann R Coll Surg Engl** 1984 Jul;66(4):300

Delayed splenic rupture: a true entity. Hertzanu Y, et al. **Clin Radiol** 1984 Sep;35(5):393–6
Splenic rupture as a presenting sign of lymphoma of the spleen. Berrebi A, et al. **Isr J Med Sci** 1984 Jan;20(1):66–7
Ruptured spleen as a differential diagnosis in ruptured tubal pregnancy. Weekes LR. **J Natl Med Assoc** 1984 Apr; 76(4):345–9
Occult ruptured spleen—two unusual clinical presentations. Moore PG, et al. **Postgrad Med J** 1984 Feb;60(700):171–3
Splenic rupture in pregnancy [letter] Simpson CJ. **Postgrad Med J** 1984 Jul;60(705):504
Spontaneous rupture of the spleen presenting as acute thoracic empyema. Mayo P. **South Med J** 1984 Aug; 77(8):1061–2
[The role of echography in splenic injuries in children] Filiatrault D, et al. **J Radiol** 1984 Feb;65(2):79–83 (Eng. Abstr.) **(Fre)**
[Diagnostic errors in a picture of acute pancreatitis] Fleischer GM. **Z Arztl Fortbild (Jena)** 1984;78(5):199–201 **(Ger)**
[Value of angiography and echotomography in injuries of the spleen] Ugolotti U, et al. **Acta Biomed Ateneo Parmense** 1983;54(4):301–10 (Eng. Abstr.) **(Ita)**
[Double-phase ruptures of the liver and spleen] Raĭkevich NP. **Khirurgiia (Mosk)** 1984 Mar;(3):73–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Spontaneous rupture of the spleen in RA [letter] Peña JM, et al. **Ann Rheum Dis** 1984 Jun;43(3):539
Pathological rupture of the spleen associated with hepatitis A. Van Landingham SB, et al. **Arch Surg** 1984 Feb; 119(2):224–5
A case report of splenic pregnancy. Huber DE, et al. **Aust NZ J Surg** 1984 Feb;54(1):81–2
Uncommon complications of hairy cell leukaemia. Keidan AJ, et al. **Br J Haematol** 1984 May;57(1):176–7
Spontaneous rupture of the splenic vein. Sarmah BD, et al. **Br J Surg** 1984 May;71(5):351
Spontaneous rupture of the spleen complicating portal hypertension. Thijs JC, et al. **Intensive Care Med** 1983; 9(5):299–300
Ruptured splenic abscess. Vohra R, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):91–3
Infectious mononucleosis with splenic rupture. Heldrich FJ, et al. **Md State Med J** 1984 Jan;33(1):40–1
Splenic rupture due to aspergillosis. Vernant JP, et al. **Nouv Rev Fr Hematol** 1983;25(6):385–6
[Spontaneous rupture of the spleen in infectious mononucleosis] Scheele C, et al. **Chirurg** 1984 Jul; 55(7):480–1 **(Ger)**
[Traumatic rupture of the spleen] Balotta F, et al. **Minerva Chir** 1983 Nov 30;38(22):1909–22 (Eng. Abstr.) **(Ita)**
[Splenic rupture in a patient with lymphogranulomatosis] Shchelkonogova LN, et al. **Ter Arkh** 1984;56(6):136–7 **(Rus)**
[A case of spontaneous rupture of thrombophlebitic spleen] Ivanov IK, et al. **Voen Med Zh** 1983 Jul;(7):65–6 **(Rus)**
[Splenic rupture in lymphoma (two case reports)] Chekharina EA, et al. **Vopr Onkol** 1984;30(1):86–8 **(Rus)**
[Uncommon problems in sex] Samšula M, et al. **Cesk Gynekol** 1984 Mar;49(2):108–10 **(Slo)**

PATHOLOGY

Death due to splenic rupture in suppressor cell mycosis fungoides: a case report. Bennett SR, et al. **Am J Clin Pathol** 1984 Jul;82(1):104–9

RADIONUCLIDE IMAGING

Radionuclide diagnosis of splenic rupture in infectious mononucleosis. Vezina WC, et al. **Clin Nucl Med** 1984 Jun; 9(6):341–4

SURGERY

Splenic regeneration following splenectomy for traumatic rupture. Kiroff GK, et al. **Aust NZ J Surg** 1983 Oct; 53(5):431–4
Overwhelming infection after splenectomy in spite of some spleen remaining and splenosis. A case report. Sass W, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1075–9
The collateral arterial network of the spleen following ligation of the splenic artery in traumatic rupture of the spleen; an arteriographic study. Keramidas DC, et al. **Z Kinderchir** 1984 Feb;39(1):50–1
[Ligation of the splenic artery for traumatic rupture of the spleen—an experimental investigation] Li BH. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):78–80 (Eng. Abstr.) **(Chi)**
[Conservative surgery of the spleen. 3 case reports] Vialas M, et al. **Chir Pediatr** 1984;25(3):176–8 (Eng. Abstr.) **(Fre)**
[Where should patients with splenic injuries be operated on?] Schröder R, et al. **Helv Chir Acta** 1984 Jun;51(2):167–70 (Eng. Abstr.) **(Ger)**
[Autotransplantation of the spleen. An alternative to classical splenectomy for splenic rupture. Case report and literature review] Schwarz U, et al. **Praxis** 1983 Oct 4;72(40):1271–3 (Eng. Abstr.) **(Ger)**
[Asplenia: considerations on 40 patients splenectomized for injury, subjected to clinical, hematologic, immunologic, scintigraphic control] Cané A, et al. **Minerva Chir** 1984 Feb 15;39(3):173–8 (Eng. Abstr.) **(Ita)**
[Post-traumatic splenectomy. Study of 44 cases] Olivero S, et al. **Minerva Chir** 1984 May 15;39(9):709–34 (Eng. Abstr.) **(Ita)**
[Therapeutic procedure in splenic trauma in children] Stepanov EA, et al. **Klin Khir** 1984 Jun;(6):4–7 (Eng. Abstr.) **(Rus)**
[Splenic rupture in pregnant women] Borodianskiĭ VS, et al. **Vestn Khir** 1983 Jul;131(7):73–5 **(Rus)**

THERAPY

Wound healing of spleen ruptures by ultrasonic welding in animal experiments. Kühne W, et al. **Exp Pathol** 1983; 24(2–3):167–70
Splenic function after nonsurgical management of splenic rupture. Linné T, et al. **J Pediatr** 1984 Aug;105(2):263–5
[Organ-sparing therapy of splenic ruptures in children] Lambrecht W, et al. **Unfallchirurgie** 1984 Apr;10(2):66–72 (Eng. Abstr.) **(Ger)**

SPLENIC VEIN

Splenic vein thrombosis with bleeding gastroesophageal varices. Reports of two splenectomized cases and review of the literature. Røder OC. **Acta Chir Scand** 1984; 150(3):265–8
Isolated gastric varices due to spontaneous splenic vein thrombosis. Goldberg S, et al. **Am J Gastroenterol** 1984 Apr;79(4):304–7
Spontaneous rupture of chicken-pox spleen. Lal P, et al. **Br J Surg** 1984 May;71(5):351
Partial splenoportal and superior mesenteric venous thrombosis. Early sonographic diagnosis and successful conservative management. Verbanck JJ, et al. **Gastroenterology** 1984 May;86(5 Pt 1):949–52
Phlebothrombosis as a common pathogenic denominator in noncirrhotic portal fibrosis & extrahepatic portal splenic venous obstruction. Arora R, et al. **Indian J Med Res** 1984 Mar;79:392–403
Splenic vein thromobosis: a diagnostic dilemma. Gupta BS, et al. **J Assoc Physicians India** 1983 Apr;31(4):252–3
Postembolization splenic abscess in a patient with pancreatitis and splenic vein thrombosis. Jones KB, et al. **South Med J** 1984 Mar;77(3):390–3
[Arteriovenous fistula of splenic vessels after splenectomy] Lacombe M, et al. **J Chir (Paris)** 1984 Mar;121(3):159–62 (Eng. Abstr.) **(Fre)**
[Portal hypertension caused by an arteriovenous fistula between the splenic artery and splenic vein] Böning L, et al. **MMW** 1984 Feb 17;126(7):175–7 (Eng. Abstr.) **(Ger)**
[Splenic vein obstruction due to tuberculous lymphadenitis in the splenic hilum] Inoue S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1792–5 **(Jpn)**
[Arteriovenous fistula caused by cavernous hemangioma of the spleen] Shigematsu H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2433–7 **(Jpn)**
[A case of spontaneous rupture of thrombophlebitic spleen] Ivanov IK, et al. **Voen Med Zh** 1983 Jul;(7):65–6 **(Rus)**

ANATOMY & HISTOLOGY

The red pulp of the spleen: structural basis of blood flow. Weiss L. **Clin Haematol** 1983 Jun;12(2):375–93 (97 ref.)

PHYSIOPATHOLOGY

Role of portal and splenic vein shunts and impaired hepatic extraction in the elevated serum bile acids in liver cirrhosis. Ohkubo H, et al. **Gastroenterology** 1984 Mar;86(3):514–20

RADIOGRAPHY

Calcification in the portal venous system demonstrated by computed tomography. Hadar H, et al. **Eur J Radiol** 1983 Aug;3(3):187–8
Comparison of splenoportographic findings in early and late childhood. Koshy A, et al. **Indian Pediatr** 1984 Jan; 21(1):61–3

SURGERY

Metabolic effects of long-term diversion of renal venous blood into the portal system. Kokot F, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):467–75
Selective variceal decompression after splenectomy or splenic vein thrombosis. With a note on splenopancreatic disconnection. Warren WD, et al. **Ann Surg** 1984 Jun; 199(6):694–702
Extrahepatic portal obstruction in children—experience with side-to-side lienorenal shunt without splenectomy. Mitra SK, et al. **Indian J Pediatr** 1983 Jan–Feb;50(402):55–60
[Hemodynamic studies of spleno-caval shunt] Tan JS. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):209–10 **(Chi)**
[Our experience with the Warren operation in emergencies] Mosca F, et al. **Minerva Chir** 1984 May 15;39(9):735–40 (Eng. Abstr.) **(Ita)**
[Splenocaval anastomosis: a possible improvement of the Warren intervention] Mosca F, et al. **Minerva Chir** 1983 Oct 31;38(20):1719–21 **(Ita)**
[Selective coronary-splenic-renal decompression (a development of the Warren procedure)] Mosca F, et al. **Minerva Chir** 1983 Oct 31;38(20):1717–8 **(Ita)**
[A case of acute hepatic encephalopathy caused by viral hepatitis and treated by arterialization of the portal blood] Kokot F, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):471–2 **(Pol)**

SPLENOMEGALY

Adenosplenomegaly and prognosis in uncomplicated and complicated chronic lymphocytic leukemia. A study of 362 cases. Paolino W, et al. **Cancer** 1984 Jul 15;54(2):339–46

CHEMICALLY INDUCED

Splenomegaly and an abnormal peripheral smear associated with the use of danazol: case report. Johnson KF. **Am J Obstet Gynecol** 1984 Jul 15;149(6):691
Toxicity of sphingomyelin-containing liposomes after chronic injection into mice. Weereratne EA, et al. **Br J Exp Pathol** 1983 Dec;64(6):670–6

COMPLICATIONS

Dietary protein antigenemia in humoral immunodeficiency. Correlation with splenomegaly. Cunningham-Rundles C, et al. **Am J Med** 1984 Feb;76(2):181–5
Diffuse reticulonodular infiltrate associated with splenomegaly. Fisher MR, et al. **Chest** 1983 Nov; 84(5):609–10
Evidence of hyposplenism in the presence of splenomegaly. Steinberg MH, et al. **Scand J Haematol** 1983 Nov; 31(5):437–9
Malaria and splenomegaly [letter] Bryceson A, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):879
[The man behind the syndrome: Augustus Roi Felty. He has found the unusual constellation: Arthritis, splenomegaly, leukopenia] Hedfors E. **Lakartidningen** 1983 Sep 14; 80(37):3281 **(Swe)**

DIAGNOSIS

Obscure splenomegaly in the tropics that is not the tropical splenomegaly syndrome. DeCock KM, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1347–8
Sarcoidosis presenting as massive splenomegaly. Gonzalez S. **J Miss State Med Assoc** 1983 Sep;24(9):225–7
[Splenomegaly yesterday and today] Schneider WA, et al. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):83–6 (86 ref.) **(Ger)**

DRUG THERAPY

Tropical splenomegaly syndrome. Importance of maintenance therapy. Lowenthal MN. **Med J Zambia** 1982 Feb–Apr;16(2):14–5

ETIOLOGY

Impaired metabolic activity of phagocytosing neutrophils in agnogenic osteomyelofibrosis with splenomegaly: a longitudinal study. Marquetty C, et al. **Am J Hematol** 1984 Apr;16(3):243–54
A 13-year-old black male with splenomegaly and interstitial pneumonia. Steele RW. **Ann Allergy** 1983 Dec; 51(6):569–70,581–3
Pancytopenia and hepatosplenomegaly in oxalosis. Hricik DE, et al. **Arch Intern Med** 1984 Jan;144(1):167–8
Splenomegaly and hypersplenism. Bowdler AJ. **Clin Haematol** 1983 Jun;12(2):467–88 (100 ref.)
The spleen in lymphoproliferative disorders. Christensen BE, et al. **Clin Haematol** 1983 Jun;12(2):517–33 (80 ref.)
The spleen in myeloproliferative disorders. Goldman JM, et al. **Clin Haematol** 1983 Jun;12(2):505–16 (90 ref.)
Mild splenic sequestration crises in sickle-hemoglobin C disease. Andrews J, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):354–5
Splenic torsion. An unusual cause of splenomegaly. Toback AC, et al. **Dig Dis Sci** 1984 Sep;29(9):868–71
Observations on splenomegaly in Ethiopia. Abreha A, et al. **Ethiop Med J** 1984 Apr;22(2):101–4
Massive splenomegaly with multiple defects in a chronic myelogenous leukemia demonstrated by 99mTc-sulfur colloid scintigraphy. Shih WJ, et al. **Eur J Nucl Med** 1983; 8(11):509–11
Clinical study of eighty-six cases of idiopathic portal hypertension and comparison with cirrhosis with splenomegaly. Okuda K, et al. **Gastroenterology** 1984 Apr; 86(4):600–10
Failure to induce splenomegaly in BALB/c mice using rodent malaria culture supernatants. Oyeyinka GO, et al. **Immunol Lett** 1983;7(1):7–9
Pyrexia, abdominal pain and splenomegaly. Mehta BC. **J Assoc Physicians India** 1983 Jan;31(1):45–6
Sickle cell disease: acute splenic sequestration crisis. Sabio H, et al. **Va Med** 1983 Dec;110(12):717–8
[Erythrocytemia and splenomegaly in an experimental Trypanosoma brucei gambiense infection in the mouse] Mulumba PM, et al. **Ann Parasitol Hum Comp** 1984; 59(2):115–32 (Eng. Abstr.) **(Fre)**
[Blue histiocytes syndrome. Review of the literature apropos of a case of idiopathic splenomegaly in adults] Vacher-Lavenu MC, et al. **Arch Anat Cytol Pathol** 1983; 31(6):342–50 (Eng. Abstr.) **(Fre)**

[Conference at the Salpétrière Hospital, 5 January 1983. Progressive hemiplegia, splenomegaly and thrombocytopenia] Pertuiset BF, et al. **Rev Neurol (Paris)** 1984;140(2):148–53 **(Fre)**

[Sea-blue histiocyte syndrome. Review of the literature apropos of a case of idiopathic splenomegaly in the adult] Vacher-Lavenu MC, et al. **Sem Hop Paris** 1984 May 3; 60(19):1333–41 (73 ref.) (Eng. Abstr.) **(Fre)**

[Splenic hemodynamics and portal hypertension in splenomegalic hepatic cirrhosis] Merkel C, et al. **G Clin Med** 1983 Nov;64(11):465–74 (Eng. Abstr.) **(Ita)**

[65-year-old male with hepatosplenomegaly (clinical conference)] Fernández Rañada JM, et al. **Med Clin (Barc)** 1984 Feb 11;82(5):221–8 **(Spa)**

[Silent subcapsular hematoma of the spleen: a rare cause of pseudotumoral splenomegaly (letter)] Pigrau C, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):496–7 **(Spa)**

IMMUNOLOGY

Dietary protein antigenemia in hypogammaglobulinemia: relationship to splenomegaly. Cunningham-Rundles C, et al. **Birth Defects** 1983;19(3):239–41

Splenomegaly and immune complex splenitis in rabbits with experimentally induced chronic serum sickness: immunopathological findings. Albini B, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):485–500

Reduction of suppressor T lymphocytes in the tropical splenomegaly syndrome. Hoffman SL, et al. **N Engl J Med** 1984 Feb 9;310(6):337–41

Serological and immunological investigations in patients with gross splenomegaly from the Gabon. Kern P, et al. **Tropenmed Parasitol** 1983 Dec;34(4):253–8

[Duodenal secretory immunoglobulins in viral hepatitis with splenomegaly] Makos' RP, et al. **Vrach Delo** 1983 Sep; (9):109–10 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Splenomegaly in Hmong refugees. Paulson RR, et al. **Arch Intern Med** 1984 Feb;144(2):257–60

Splenomegaly in Zambia. Lowenthal MN. **Med J Zambia** 1982 Feb-Apr;16(2):15–7

PATHOLOGY

Histometric analysis of sheathed capillaries in congestive splenomegaly. Cavalli G, et al. **Appl Pathol** 1983; 1(3):157–63

RADIONUCLIDE IMAGING

Scintigraphic findings in large-cell lymphoma of the spleen: concise communication. Lindfors KK, et al. **J Nucl Med** 1984 Sep;25(9):969–71

[Interpretation of the spleen size in the liver scintigram] Uno K, et al. **Radioisotopes** 1983 Oct;32(10):469–72 (Eng. Abstr.) **(Jpn)**

SURGERY

Removal of the massive spleen: a surgical risk? Wobbes T, et al. **Am J Surg** 1984 Jun;147(6):800–2

THERAPY

Splenectomy after angiographic embolization of the splenic artery in patients with massive splenomegaly and severe thrombocytopenia, in juvenile subacute myelomonocytic leukemia. Steinherz PG, et al. **Med Pediatr Oncol** 1984; 12(1):28–32

VETERINARY

[A case of splenomegaly in a dog] Grandchamp D. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):877–9 (Eng. Abstr.) **(Fre)**

SPLENOPORTOGRAPHY

Splenoportography—a reappraisal. Zamir O, et al. **Am J Gastroenterol** 1984 Apr;79(4):283–6

[Percutaneous transsplenic portal hepatogram CT in diagnosis of primary hepatoma] Takeshita G. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Apr 25; 44(4):577–84 (Eng. Abstr.) **(Jpn)**

METHODS

Percutaneous transhepatic portography. Pereiras R Jr. **Lab Res Methods Biol Med** 1983;7:391–403 (15 ref.)

SPLENORENAL SHUNT, SURGICAL see under **PORTASYSTEMIC SHUNT, SURGICAL**

SPLICING, RNA see **RNA SPLICING**

SPLINTS

The effect of a partial bite-raising splint on the inclination of upper and lower front teeth. Dahl BL, et al. **Acta Odontol Scand** 1983 Oct;41(5):311–4

Treatment of congenital dislocation of the hip after neonatal diagnosis. Heikkilä E, et al. **Acta Orthop Scand** 1984 Apr; 55(2):130–4

Unstable fractures of the pelvis treated with a trapezoid compression frame. Lansinger O, et al. **Acta Orthop Scand** 1984 Jun;55(3):325–9

Stabilization of the pelvis with the Hoffmann frame. An aid in diagnosing pelvic instability. Walheim GG. **Acta Orthop Scand** 1984 Jun;55(3):319–24

Spoon splint for mallet finger [letter] Gooding CA. **Am Fam Physician** 1984 Jan;29(1):23

Plaster splints: techniques and indications. Howes DS, et al. **Am Fam Physician** 1984 Sep;30(3):215–21

Splint modification for flexor tendon repairs. Lopez MS, et al. **Am J Occup Ther** 1984 Jun;38(6):398–403

Magnetic splint for object retrieval. Mildenberger LA. **Am J Occup Ther** 1984 Mar;38(3):195–7

Experimental cervical spine injury model: evaluation of airway management and splinting techniques. Aprahamian C, et al. **Ann Emerg Med** 1984 Aug;13(8):584–7

The Reel Splint: experience with a new traction splint apparatus in the prehospital setting. Auerbach PS, et al. **Ann Emerg Med** 1984 Jun;13(6):419–22

Early mobilization of repaired flexor tendons within digital sheath using an internal profundus splint: experimental and clinical data. Hester TR Jr, et al. **Ann Plast Surg** 1984 Feb; 12(2):187–98

Splinting electrical burns utilizing a fixed splint technique: a report of 48 cases. Silverglade D. **ASDC J Dent Child** 1983 Nov-Dec;50(6):455–8

Occlusal splints [letter] Moloney FB. **Aust Dent J** 1983 Aug; 28(4):249

Sectional splints without locking plates. Anwar M. **Br Dent J** 1984 Mar 10;156(5):181–2

A simple zygomatic splint [letter] Thomson ER. **Br Dent J** 1983 Oct 22;155(8):257

A simple zygomatic splint [letter] Walters H. **Br Dent J** 1984 Jan 7;156(1):8

Transmission of pressure into the human limb from pneumatic splints. Shakespeare DT, et al. **Injury** 1984 Jul;16(1):38–40

The effect of splinting upon periodontal and pulpal healing after autotransplantation of mature and immature permanent incisors in monkeys. Kristerson L, et al. **Int J Oral Surg** 1983 Aug;12(4):239–49

A critical evaluation of orthopedic interocclusal appliance therapy: effectiveness for specific symptoms. Clark GT. **J Am Dent Assoc** 1984 Mar;108(3):364–8 (43 ref.)

A critical evaluation of orthopedic interocclusal appliance therapy: design, theory, and overall effectiveness. Clark GT. **J Am Dent Assoc** 1984 Mar;108(3):359–64 (72 ref.)

Evaluation of occlusal splint therapy and relaxation procedures in patients with temporomandibular disorders. Okeson JP, et al. **J Am Dent Assoc** 1983 Sep;107(3):420–4

The molded polythene splint for mallet finger deformities. Crawford GP. **J Hand Surg [Am]** 1984 Mar;9(2):231–7

A modified Kleinert Controlled Mobilization Splint following flexor tendon repair. Slattery PG, et al. **J Hand Surg [Br]** 1984 Jun;9(2):217–8

A simple derotation apparatus [letter] Chattopadhyay A. **J Indian Med Assoc** 1983 Sep;81(5–6):101–2

The effect of splinting upon healing after tooth replantation—a histological study in rat molars. Gabrielli MF, et al. **J Nihon Univ Sch Dent** 1984 Mar;26(1):59–71

Treatment of mandibular dysfunction: the clinical usefulness of biofeedback in relation to splint therapy. Dahlström L, et al. **J Oral Rehabil** 1984 May;11(3):277–84

The results of neonatal treatment of congenital hip dislocation: a personal series. Smith MG. **J Pediatr Orthop** 1984 May;4(3):311–7

Using the existing complete denture as a surgical template. Bolouri A, et al. **J Prosthet Dent** 1984 Jan;51(1):129–31

Custom prostheses used to support oral and maxillofacial surgery. Kraut RA, et al. **J Prosthet Dent** 1984 May; 51(5):663–8

Influence of the vertical dimension in the treatment of myofascial pain-dysfunction syndrome. Manns A, et al. **J Prosthet Dent** 1983 Nov;50(5):700–9

Centric relation change during therapy with corrective occlusion prostheses. Serrano PT, et al. **J Prosthet Dent** 1984 Jan;51(1):97–105

Compound splint for comminuted mandibular fracture. Zaki HS, et al. **J Prosthet Dent** 1983 Nov;50(5):672–6

A laryngeal stent for repair of laryngeal fractures. LeJeune FE Jr, et al. **Laryngoscope** 1983 Oct;93(10):1359

External splinting of the nose. Webster RC, et al. **Laryngoscope** 1983 Dec;93(12):1615–6

Splinting of the hand in leprosy. Kulkarni VN, et al. **Lepr India** 1983 Jul;55(3):483–4

Arthrographically guided splint therapy for recapturing the temporomandibular joint meniscus. Manzione JV, et al. **Oral Surg** 1984 Mar;57(3):235–40

The use of intraoral splints in the treatment of maxillofacial injuries. Holmes SM, et al. **Otolaryngol Clin North Am** 1983 Aug;16(3):525–32

Electromyographic results of inhibitory splinting. Mills VM. **Phys Ther** 1984 Feb;64(2):190–3

A new splint for the functional immobilization of the burned hand [letter] Coenen L. **Plast Reconstr Surg** 1984 Feb; 73(2):330

Tennis elbow—to rest or not to rest? [letter] Little TS. **Practitioner** 1984 May;228(1391):457

Positioning, splinting and pressure management of the burned hand: a method. Bach J, et al. **Scand J Plast Reconstr Surg** 1984;18(1):145–7

The outrigger problem in hand splinting. Moberg E. **Scand J Rehabil Med [Suppl]** 1983;9:136–8

[Treatment of congenital hip dislocation by extension-reposition therapy and retention in the Düsseldorf straddle splint. Principles and treatment results] Döhring S, et al. **Beitr Orthop Traumatol** 1984 May; 31(5):220–33 (Eng. Abstr.) **(Ger)**

[Reconstruction of mandibular defects using metal splints after the modified technic of Branemark et al.] Amato R, et al. **Minerva Stomatol** 1983 Jul-Aug;32(4):575–8 (10 ref.) (Eng. Abstr.) **(Ita)**

[An abduction splint for treating hip joint dysplasia] Mel'gunov AV. **Ortop Travmatol Protez** 1984 Jun;(6):54–5 **(Rus)**

VETERINARY

Treatment of radial-ulnar and tibial fractures in cattle, using a modified Thomas splint-cast combination. Adams SB, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):430–3

The Kirschner-Ehmer splint in small animal orthopedics. Straw RC. **Mod Vet Pract** 1984 Jul;65(7):503–8

SPLIT GENES see **RNA SPLICING**

SPONDYLARTHRITIS ANKYLOPOIETICA see **SPONDYLITIS, ANKYLOSING**

SPONDYLITIS

Evolution of the psoriatic arthritis concept and its relationship to the spondarthritides. Moll JM. **Clin Rheumatol** 1982 Sep;1(3):157–67 (74 ref.)

CHEMICALLY INDUCED

Cervical spondylitis in a heroin addict. Smeets RW, et al. **J Belge Radiol** 1983;66(2):113–6

[Amicrobic spondylodiscitis following nucleolysis] Levernieux J. **Rev Rhum Mal Osteoartic** 1982 Jul-Sep; 49(8–9):659–61 **(Fre)**

CLASSIFICATION

[Seronegative spondyloarthritis] Sadowska-Wróblewska M. **Reumatologia** 1983;21(2):157–62 (22 ref.) **(Pol)**

COMPLICATIONS

Mediastinal fibrosis [letter] West BC. **Arthritis Rheum** 1983 Oct;26(10):1292

Septic discitis presenting as a psoas abscess. Short DJ, et al. **J R Soc Med** 1983 Dec;76(12):1066–8

[Psoriatic pelvispondylitis complicated by renal amyloidosis (letter)] Bruet A, et al. **Presse Med** 1983 Nov 26;12(43):2768 **(Fre)**

[Kyphosis caused by severe spondylodiscitis in newborn infants and young children] Mallet JF, et al. **Rev Chir Orthop** 1984;70(1):63–73 (Eng. Abstr.) **(Fre)**

[Staphylococcal spondylitis—cause of a recurrent fever for 24 years] Ringe JD, et al. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1680–3 (Eng. Abstr.) **(Ger)**

[Differential diagnosis at the bedside. Acute spondylitis of the thoracic spine. A rare cause of acute backache] Kuntz HD. **MMW** 1983 Nov 18;125(46):118–9, 122 **(Ger)**

[Radiology of osteoarthropathia psoriatica] Ellegast HH, et al. **Rontgenpraxis** 1984 Mar;37(3):75–82 **(Ger)**

[Rheumatic pelvic spondylitis in a patient with progressive spinal muscular atrophy (Kugelberg-Welander syndrome)] Lapadula G, et al. **Minerva Med** 1983 Oct 13;74(39):2305–7 (Eng. Abstr.) **(Ita)**

[Infectious spondylitis and paravertebral abscess in a heroin addict patient (letter)] Segura F, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):186 **(Spa)**

DIAGNOSIS

Pyogenic osteomyelitis of the vertebral body. Sutton MJ. **J Am Osteopath Assoc** 1984 Jun;83(10):724–8

[Diagnosis of discitis/spondylitis] Petersen V. **Ugeskr Laeger** 1983 Nov 14;145(46):3581–2 (Eng. Abstr.) **(Dan)**

[Unspecified spondylitis] Thanning L, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3913 (Eng. Abstr.) **(Dan)**

[Aneurysmal pseudospondylodiskitis] Glock Y, et al. **Ann Chir** 1984 Feb;38(1):58–61 (Eng. Abstr.) **(Fre)**

[Diagnostic procedures in spondylitis] Ernst HU. **MMW** 1983 Oct 14;125(41):897–900 (Eng. Abstr.) **(Ger)**

[A case from general practice (15)] Baumberger HR. **Praxis** 1983 Aug 23;72(34):1111–2 **(Ger)**

DRUG THERAPY

Juvenile discitis [letter] Shah MP, et al. **Arch Dis Child** 1984 Jun;59(6):595–6

[Candida arthritis. Apropos of spondylodiskitis and coxitis treated with ketoconazole] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1983 Jul-Sep;50(8–9):615–7 **(Fre)**

[Flurbiprofen and ketoprofen per os and rectum: efficacy and tolerability in spondyloarthrosis] Cherubino P, et al. **Clin Ter** 1983 Dec 31;107(6):471–5 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Postoperative intervertebral discitis. Puranen J, et al. **Acta Orthop Scand** 1984 Aug;55(4):461–5

Cervical osteomyelitis related to Nocardia asteroides. Masters

DL, et al. **J Infect Dis** 1984 May;149(5):824–5

[Brucellosis, a rare cause of spondylodiskitis] Haasjes JG, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2142–4 (Eng. Abstr.) **(Dut)**

[Spondylodiscopathies in ankylosing spondylitis (letter)] Doury P, et al. **Presse Med** 1984 Feb 18;13(7):446 **(Fre)**

[Lumbar spondylitis in brucellosis (letter)] Heizmann W, et al. **Dtsch Med Wochenschr** 1984 Mar 16;109(11):436–7 **(Ger)**

IMMUNOLOGY

HLA B27 related 'unclassifiable' seronegative spondyloarthropathies. Prakash S, et al. **Ann Rheum Dis** 1983 Dec;42(6):640–3

METABOLISM

Target tissue models: the proteoglycans and degeneration of the human intervertebral disc. Pearce RH, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:108–10

MICROBIOLOGY

Hematogenous Candida spondylitis. A case report. Pohjola-Sintonen S, et al. **Acta Med Scand** 1984;215(1):85–7

OCCURRENCE

Spondyloarthropathy in Caucasians and non-Caucasians. Calin A. **J Rheumatol** 1983 Nov;10 Suppl 10:16–9

PATHOLOGY

Histiocytosis X. IX. Fine needle aspiration biopsy for differentiation between histiocytosis X and spondylitis. Thommesen P, et al. **Acta Radiol [Oncol]** 1983;22(5):349–51

[Diagnostic spinal puncture] Kägi F, et al. **MMW** 1983 Oct 14;125(41):901–2 **(Ger)**

PHYSIOPATHOLOGY

[Electric phenomena in sterile and infected bone tissue] Cieszyński T. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):371–5 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Response to Goldbach article on familial mediastinal fibrosis associated with seronegative spondylarthropathy [letter] Sienknecht CW. **Arthritis Rheum** 1984 Mar;27(3):357

Role of computed tomography in the diagnosis of infectious spondylitis. Hermann G, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):961–8

Intervertebral disk-space infection: CT changes. Work in progress. Price AC, et al. **Radiology** 1983 Dec;149(3):725–9

Childhood diskitis: computed tomographic findings. Sartoris DJ, et al. **Radiology** 1983 Dec;149(3):701–7

Case report 247. Post-radiation osteitis of the sacrum. Brown KT, et al. **Skeletal Radiol** 1983;10(4):269–72

[Disko-vertebral destruction in the cervical spine] Kolář J, et al. **Cesk Radiol** 1983 Nov;37(6):375–82 (Eng. Abstr.) **(Cze)**

[Spondylodiscitis due to Candida albicans. Apropos of 1 case. Review of the literature] Blery M, et al. **Ann Radiol (Paris)** 1983 Sep-Oct;26(6):515–8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Radiological diagnosis of spondylitis] Okuyama T, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1539–48 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Principles of optimal physical therapy procedures in a sanatorium-preventorium] Tumakov AZ. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr; (2):67–70 **(Rus)**

SURGERY

[Surgical treatment of myelopathic cervical spondylitis report of 32 cases treated with posterior decompression] Wu CY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):227–9 (Eng. Abstr.) **(Chi)**

[Inflammation of the intervertebral disk in children] Kiepurska A. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):433–6 (Eng. Abstr.) **(Pol)**

THERAPY

[Infectious spondylitis] Malawski S. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):425–31 (Eng. Abstr.) **(Pol)**

[Effectiveness of the combined action of laser irradiation in the treatment of degenerative-dystrophic diseases] Kriuk AS, et al. **Ortop Travmatol Protez** 1984 May;(5):6–9 (Eng. Abstr.) **(Rus)**

SPONDYLITIS, ANKYLOSING

Employment in ankylosing spondylitis. McGuigan LE, et al. **Ann Rheum Dis** 1984 Aug;43(4):604–6

[Bechterew's disease. A social medicine study] Lund JA. **Tidsskr Nor Laegeforen** 1983 Jun 10;103(16):1325–6 (Eng. Abstr.) **(Nor)**

[Juvenile ankylosing spondylitis] Domnişoru L, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):96 **(Rum)**

BLOOD

Absence of impaired lymphocyte transformation to Klebsiella spp. in ankylosing spondylitis. Kinsella TD, et al. **Ann Rheum Dis** 1984 Aug;43(4):590–3

Acute-phase proteins and serum immunoglobulins in ankylosing spondylitis. Laurent MR, et al. **Ann Rheum Dis** 1983 Oct;42(5):524–8

Comparison between serum alpha 2-pregnancy-associated globulin and activity of rheumatoid arthritis and ankylosing spondylitis during pregnancy. Ostensen M, et al. **Scand J Rheumatol** 1983;12(3):315–8

[Sulfur and selenium levels in the blood of patients with rheumatoid arthritis and ankylosing spondylitis] Zielonka E, et al. **Reumatologia** 1982;20(3–4):217–20 (Eng. Abstr.) **(Pol)**

[Blood levels of various bioelements in patients with rheumatoid arthritis and ankylosing spondylitis during balneological treatment at the Busko health resort] Zielonka E, et al. **Reumatologia** 1982;20(3–4):209–15 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Cardiac problems and ankylosing spondylitis [letter] Bromley LM, et al. **Anaesthesia** 1984 Jul;39(7):723–4

Ankylosing spondylitis. The case for awake intubation. Sinclair JR, et al. **Anaesthesia** 1984 Jan;39(1):3–11

Brachial plexus radiculopathy and computed tomography [letter] Pillemer SR, et al. **Ann Intern Med** 1984 Apr; 100(4):619

Arthritis of the middle ear in ankylosing spondylitis. Magarò M, et al. **Ann Rheum Dis** 1984 Aug;43(4):658–9

Rapidly progressive aortic incompetence in juvenile ankylosing spondylitis: a case report. Pelkonen P, et al. **Arthritis Rheum** 1984 Jun;27(6):698–700

Diffuse idiopathic skeletal hyperostosis of the cervical spine in a patient with ankylosing spondylitis. Williamson PK, et al. **Arthritis Rheum** 1984 May;27(5):570–3

Ankylosing spondylitis and an aortic arch syndrome. Hull RG, et al. **Br Heart J** 1984 Jun;51(6):663–5

Possible ankylosing spondylitis in acute anterior uveitis. Linssen A, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):137–43

Is uveitis associated with ankylosing spondylitis or with HLA-B27? van der Linden S, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):146–7

IgA nephropathy in a patient with ankylosing spondylitis and a solitary kidney. Krothapalli R, et al. **Clin Nephrol** 1984 Feb;21(2):134–7

Kidney involvement in seronegative spondarthritides. Mittal VK, et al. **Indian J Med Res** 1983 Nov;78:670–5

Spinal lesions due to hyperextension in ankylosing spondylitis. Boriani S, et al. **Ital J Orthop Traumatol** 1983 Sep;9(3):365–8

Fibrobullous disease of the upper lobes: an extraskeletal manifestation of ankylosing spondylitis. Rumancik WM, et al. **J Comput Tomogr** 1984 Jul;8(3):225–9

Spondylodiscitis in ankylosing spondylitis: variable presentations [letter] Wise CM, et al. **J Rheumatol** 1983 Dec;10(6):1004–6

Muscle atrophy in ankylosing spondylitis: CT demonstration. Sage MR, et al. **Radiology** 1983 Dec;149(3):780

Increased incidence of recurrent hematuria in ankylosing spondylitis: a possible association with IgA nephropathy. Wall BA, et al. **Rheumatol Int** 1984;4(1):27–9

Inflammatory involvement of the temporomandibular joint. Diagnostic and therapeutic aspects and a study of individuals with ankylosing spondylitis. Wenneberg B. **Swed Dent J [Suppl]** 1983;20:1–54

Cavernoscopic evacuation of aspergilloma: an alternative method of palliation for haemoptysis in high risk patients. Rao RS, et al. **Thorax** 1984 May;39(5):394–6

Bronchocentric granulomatosis and ankylosing spondylitis. Rohatgi PK, et al. **Thorax** 1984 Apr;39(4):317–8

Rheumatoid factor-negative arthritis, especially ankylosing spondylitis, and infections of the male urogenital tract. Schiefer HG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):511–7

[Fractures of the spine in patients with ankylosing spondylitis] Erlendsson J, et al. **Ugeskr Laeger** 1984 Apr 23; 146(17):1292–4 (Eng. Abstr.) **(Dan)**

[Spondylodiscopathies in ankylosing spondylitis (letter)] Doury P, et al. **Presse Med** 1984 Feb 18;13(7):446 **(Fre)**

[Ankylosing spondylarthritis. Pathogenesis of the destructive disco-vertebral lesions. 15 cases] Fonteille J, et al. **Presse Med** 1984 Jan 14;13(1):15–8 (Eng. Abstr.) **(Fre)**

[Enthesopathies in ankylosing spondylitis and seronegative inflammatory rheumatism. 28 cases] Paolaggi JB, et al. **Presse Med** 1983 Oct 15;12(36):2229–32 (Eng. Abstr.) **(Fre)**

[Rheumatic pelvispondylitis and non-tuberculous sclerotic lesions of the pulmonary apex] Aguilaniu B, et al. **Rev Pneumol Clin** 1984;40(1):71–3 (Eng. Abstr.) **(Fre)**

[Pulmonary fibrosis and ankylosing spondylitis] Ducolone A, et al. **Rev Pneumol Clin** 1984;40(2):145–9 (Eng. Abstr.) **(Fre)**

[Extraspinal erosions of tendon insertions in ankylosing spondylitis] Albert J, et al. **Rev Rhum Mal Osteoartic** 1983 Jul-Sep;50(8–9):573–8 (Eng. Abstr.) **(Fre)**

[Cauda equina syndrome in ankylosing spondylitis] Deshayes P, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):37–40 **(Fre)**

[Ankylosing spondylitis with and without peripheral joint involvement. The significance of HLA-DR4 in the diagnosis, disease risk and pathogenesis] Miehle W, et al. **Fortschr Med** 1984 Jun 7;102(21):581–5 (Eng. Abstr.) **(Ger)**

[A case of ankylosing spondylitis with spinal arachnoid diverticula] Shimohama S, et al. **Rinsho Shinkeigaku** 1984 Feb;24(2):131–6 (Eng. Abstr.) **(Jpn)**

[Spondylarthritis ankylopoietica and autoimmune hemolytic anemia (letter)] Ribera JM, et al. **Med Clin (Barc)** 1983 May 21;80(18):815–6 **(Spa)**

[Ankylosing spondylitis, bilateral upper lobe retraction and pulmonary mycetoma] Martelli NA, et al. **Medicina (B Aires)** 1983;43(4):425–32 (Eng. Abstr.) **(Spa)**

[Neurologic manifestations in ankylosing spondylitis] Scheines E, et al. **Medicina (B Aires)** 1983;43(4):369–74 (Eng. Abstr.) **(Spa)**

[Aortic valve replacement in ankylopoietic spondylitis] Mestres CA, et al. **Rev Esp Cardiol** 1983;36(6):505–7 (Eng. Abstr.) **(Spa)**

[Cardiac manifestations of ankylosing spondylitis. Review apropos of an unusual case] Montes J, et al. **Rev Esp Cardiol** 1983;36(6):501–4 (Eng. Abstr.) **(Spa)**

[Cardiovascular manifestations in ankylosing spondylitis] Vázquez García R, et al. **Rev Esp Cardiol** 1983;36(3):205–12 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cauda equina syndrome secondary to long-standing ankylosing spondylitis. Bartleson JD, et al. **Ann Neurol** 1983 Dec;14(6):662–9

Clinical sacroiliac tests in ankylosing spondylitis and other causes of low back pain--2 studies. Blower PW, et al. **Ann Rheum Dis** 1984 Apr;43(2):192–5

Ankylosing spondylitis in North India: a clinical and immunogenetic study. Prakash S, et al. **Ann Rheum Dis** 1984 Jun;43(3):381–5

Evaluation of diagnostic criteria for ankylosing spondylitis. A proposal for modification of the New York criteria. van der Linden S, et al. **Arthritis Rheum** 1984 Apr;27(4):361–8

Clinical aspects of juvenile and adult ankylosing spondylitis. Calabro JJ. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):104–9 (31 ref.)

Correlation of HLA B27 with radiographic abnormalities of the sacroiliac joints and with other stigmata of ankylosing spondylitis. Hollingsworth PN, et al. **Clin Rheum Dis** 1983 Aug;9(2):307–22

Isolated sacroiliitis as monosymptomatic form of ankylosing spondylitis--a possible cause of chronic back pain. Prohaska E. **Clin Rheumatol** 1984 Mar;3(1):33–7

Clinical symptoms and signs useful in the early diagnosis of ankylosing spondylitis. Sadowska-Wróblewska M, et al. **Clin Rheumatol** 1983 Mar;2(1):37–43

Problems of rheumatoid arthritis and ankylosing spondylitis patients in their labor and life environments. Urbánek T, et al. **Czech Med** 1984;7(2):78–89

Chronic spondyloarthropathy mimicking abdominal disease. Messaris G, et al. **Int Surg** 1983 Jul-Sep;68(3):235–6

Ankylosing spondylitis in women and men: a case-control study. Marks SH, et al. **J Rheumatol** 1983 Aug;10(4):624–8

Ankylosing spondylitis, Reiter's syndrome, psoriatic arthritis, and arthritis of inflammatory bowel disease. Miller MM. **Primary Care** 1984 Jun;11(2):271–82

HLA-B27 as a diagnostic screening tool in chronic low back pain. Sandström J, et al. **Scand J Rehabil Med** 1984; 16(1):27–8

How does Bechterew's syndrome (ankylosing spondylitis) start? Interrelations between onset of symptoms. Møller P, et al. **Scand J Rheumatol** 1983;12(3):289–98

[Ankylosing spondylarthritis. Early detection by electrocardiographic anomalies (letter)] Burki F, et al. **Presse Med** 1984 Apr 7;13(15):945 **(Fre)**

[Reactive Yersinia pseudotuberculosis arthritis with acute hepatic histological involvement disclosing latent ankylosing spondylitis] Doury P, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):821–3 **(Fre)**

[Juvenile-onset ankylosing spondylitis] Menkes CJ, et al. **Sem Hop Paris** 1984 Feb 16;60(8):543–6 (Eng. Abstr.) **(Fre)**

[Diagnostic criteria in ankylosing spondylitis] Mathies H. **Dtsch Med Wochenschr** 1984 Mar 9;109(10):382–5 **(Ger)**

[Suspected diagnosis of ankylosing spondylitis] Mathies H. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):146–9 (Eng. Abstr.) **(Ger)**

[Evaluation of the degree of invalidation of ankylosing spondylitis] Schmitt E. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):149–51 (Eng. Abstr.) **(Ger)**

[Symptoms and findings in Bechterew's disease] Gran JT, et al. **Tidsskr Nor Laegeforen** 1984 Jun 30; 104(19–21):1291–4 (Eng. Abstr.) **(Nor)**

[Peripheral arthritis in Bechterew's disease] Chepoĭ VM. **Revmatologiia (Moskva)** 1983 Apr-Jun;(2):69–72 **(Rus)**

[Characteristics of the early stages of ankylosing spondyloarthritis] Sitiaĭ Sh, et al. **Revmatologiia (Moskva)** 1983 Apr-Jun;(2):17–20 **(Rus)**

[Work capacity and disability in the long-term treatment of patients with rheumatoid arthritis and ankylosing spondylarthritis] Trofimova TM, et al. **Ter Arkh** 1984; 56(5):62–6 (Eng. Abstr.) **(Rus)**

[HLA-B27 antigen and ankylosing spondylitis] Bastašić M,

et al. **Vojnosanit Pregl** 1983 Jul-Aug;40(4):269-71 **(Scr)**

DRUG THERAPY

Is there a place for corticosteroids or immune modulation in treating Reiter's syndrome and ankylosing spondylitis? Rosenthal M. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 100-1

Tolerability and efficacy of a slow-release indomethacin tablet in ankylosing spondylitis. Lehtinen K, et al. **Br J Rheumatol** 1984 Feb;23(1):52-6

Holter monitoring in ankylosing spondylitis patients during methylprednisolone pulse therapy. Nasswetter G, et al. **Clin Rheumatol** 1984 Mar;3(1):29-31

A comparison of indoprofen and indomethacin in the treatment of ankylosing spondylitis. Armstrong RD, et al. **Pharmatherapeutica** 1984;3(10):637-41

[Feldene (piroxicam) in the treatment of ankylosing spondylitis] Sadowska-Wróblewska M, et al. **Reumatologia** 1983;21(1):55-8 **(Pol)**

ECONOMICS

Socioeconomic effects of ankylosing spondylitis in females: a comparison of 25 female with 25 male subjects. Chamberlain MA. **Int Rehabil Med** 1983;5(3):149-53

ENZYMOLOGY

Increased serum alkaline phosphatase activity in ankylosing spondylitis. Sheehan NJ, et al. **Ann Rheum Dis** 1983 Oct; 42(5):563-5

ETIOLOGY

Reiter's syndrome: long-term follow-up in relation to development of ankylosing spondylitis. Good AE. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 39-45

Destructive spondylarthropathy in hemodialyzed patients. A new syndrome. Kuntz D, et al. **Arthritis Rheum** 1984 Apr; 27(4):369-75

Gram-negative bacteria and B27 disease. Eastmond CJ. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):67-74

The cross-tolerance hypothesis, HLA-B27 and ankylosing spondylitis. Ebringer A. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):57-66 (40 ref.)

Enteric bacteria and HLA-B27 associated cell surface modification in patients with seronegative spondarthritis. Edmonds J, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):75-82

Pathogenesis of ankylosing spondylitis and related disorders: future perspectives. Kåss E, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):177-83 (42 ref.)

Pathogenetic mechanisms in B27 associated diseases. Moll JM. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):93-103 (23 ref.)

Urogenital syndromes and spondarthritis. Olhagen B. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):33-40 (21 ref.)

Pathogenesis of seronegative arthritis. Wright V, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):29-32

The enigma of the Klebsiella connection and ankylosing spondylitis: a commentary. Prendergast JK, et al. **Hum Immunol** 1984 Mar;9(3):131-6 (41 ref.)

Analysis of HLA-B27 antigen with monoclonal antibodies. Engleman EG, et al. **J Rheumatol** 1983 Nov;10 Suppl 10:59-61

Case-control studies. Hochberg MC. **J Rheumatol** 1983 Nov; 10 Suppl 10:92-5

Exacerbation of B27 positive spondyloarthropathy by enteric infections. Rynes RI, et al. **J Rheumatol** 1984 Feb; 11(1):96-7

[Pathogenesis of ankylosing spondylitis: relation between HLA-B 27 and Klebsiella aerogenes] Giordano N, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1995-2001 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Calculation of recurrence risk in the case of ankylosing spondylitis taking into consideration the antigen HLA-B-27. Gömör B, et al. **Ann Hum Genet** 1984 Jan;48 (Pt 1):79-86

Genetics of B27-associated diseases--2. Albert ED, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 142-4

Workshop II. Diagnosis of Reiter's syndrome among B27-associated and other seronegative spondarthropathies. Introduction. Arnett FC. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 46-7

Epidemiology of B27-associated diseases. Masi AT. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 131-4

Genetics of B27-associated diseases--1. Woodrow JC. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 135-41

Genetic differences between B27 positive patients with ankylosing spondylitis and B27 positive healthy controls. Calin A, et al. **Arthritis Rheum** 1983 Dec;26(12):1460-4

The risk of developing ankylosing spondylitis in HLA-B27 positive individuals. A comparison of relatives of spondylitis patients with the general population. van der Linden SM, et al. **Arthritis Rheum** 1984 Mar;27(3):241-9

Familial association of schizophrenia and ankylosing spondylitis. Linkowski P, et al. **Biol Psychiatry** 1984 Apr; 19(4):587-9

B7-CREG and ankylosing spondylitis. Khan MA. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):129-33

The risk of developing ankylosing spondylitis in HLA-B27 positive individuals: a family and population study. van der Linden S, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):18-9

Increased frequency of HLA-Bw35 CREG antigens in HLA-B27 negative ankylosing spondylitis. Wagener P, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):134-5

Genetic studies in ankylosing spondylitis. Woodrow JC, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):12-7

Family studies in Bechterew's syndrome (ankylosing spondylitis) III. Genetics. Møller P, et al. **Clin Genet** 1983 Aug;24(2):73-89

HLA-B27 and allotypes of complement components in ankylosing spondylitis. Gran JT, et al. **J Rheumatol** 1984 Jun;11(3):324-6

The risk of sacroiliitis in B27 positive persons: a reappraisal. LeClercq SA, et al. **J Rheumatol** 1984 Jun;11(3):327-9

Ankylosing spondylitis: a family study. LeClercq SA, et al. **J Rheumatol** 1983 Aug;10(4):629-32

Family studies in Bechterew's syndrome (ankylosing spondylitis). I. Prevalences of symptoms and signs in relatives of HLAB27 positive probands. Møller P, et al. **Scand J Rheumatol** 1984;13(1):1-10

Family studies in Bechterew's syndrome (ankylosing spondylitis). II. Prevalences of symptoms and signs in relatives of HLAB27 negative probands. Møller P, et al. **Scand J Rheumatol** 1984;13(1):11-4

Ankylosing spondylitis and allied disorders (spondyloarthropathies). Friis J. **Scand J Rheumatol [Suppl]** 1984;53:16-30 (41 ref.)

[B27 - DR4 arthritis and research on symptomatic effects of B27 antigens in rheumatoid polyarthritis and DR4 in ankylosing spondylarthritis] Chalès G, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):777-81 **(Fre)**

[Major histocompatibility complex (HLA, AB, DR and Bf) in a family with ankylosing spondylarthritis] Riffat G, et al. **Rev Rhum Mal Osteoartic** 1984 Mar;51(3):151-2 **(Fre)**

[Clinical relations of certain HLA-B 27 positive disease pictures] Mathies H. **Fortschr Med** 1983 Oct 6; 101(37):1667-8 **(Ger)**

HISTORY

Historical perspectives in the aetiology of ankylosing spondylitis. Bywaters EG. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):1-4

HLA-B27 in clinical medicine--historical reflections on the discovery of the disease association. James DC. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):20-4

IMMUNOLOGY

Cell-mediated immunity in seronegative spondarthritis treated with levamisole in a double-blind placebo-controlled study. Christensen KD, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):391-5

Workshop IV. Aetiopathogenetic factors in Reiter's syndrome. Adjuvant disease: pathology and immune reactivity. Pearson CM, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 102-10

Polymorphonuclear cell motility, ankylosing spondylitis, and HLA B27. Pease CT, et al. **Ann Rheum Dis** 1984 Apr; 43(2):279-84

Increased numbers of IgG-containing cells in rectal lamina propria of patients with ankylosing spondylitis. Stodell MA, et al. **Ann Rheum Dis** 1984 Apr;43(2):172-6

Two-dimensional gel analysis demonstrates no structural alteration of HLA-B27 polypeptides between patients with ankylosing spondylitis and healthy individuals. Trapani JA, et al. **Ann Rheum Dis** 1984 Apr;43(2):177-80

IgM, IgG, and IgA synthesis in vitro in persons suffering from yersinia arthritis and in patients with ankylosing spondylitis. Vuento R, et al. **Ann Rheum Dis** 1984 Apr; 43(2):186-91

Occurrence of HLA antigens in patients with ankylosing spondylitis and in their families. Konieczna B, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(2):153-60

A new serologic marker in ankylosing spondylitis. Lakomek HJ, et al. **Arthritis Rheum** 1984 Sep;27(9):961-7

Pathogenesis of HLA-B27 associated diseases. Proceedings of an international symposium held at The Middlesex Hospital, 12-13 April 1983. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):1-186

Circulating immune complexes in ankylosing spondylitis. Deicher H, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):122-7

Immune complexes in ankylosing spondylitis and controls. Duquesnoy B. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):128

Klebsiella-induced LIF response in Klebsiella infection and ankylosing spondylitis. Gross WL, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):50-2

Monoclonal antibodies to HLA-B27. Grumet FC. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):110-8 (11 ref.)

Ankylosing spondylitis syndrome in patients without HLA-B27. Jajić I, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):136

Elisa studies in ankylosing spondylitis. Panayi GS. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):119-21

HLA-B27, ankylosing spondylitis and polymorph motility. Pease CT, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):172-6

Antibodies against cell envelope antigens of Yersinia enterocolitica in reactive arthritis and ankylosing spondylitis. van Bohemen CG, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):83-4

Immunological aberrations in ankylosing spondylitis patients. Liu HC. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Feb;17(1):19-24

Evidence for a disease specific antigen in circulating immune complexes in ankylosing spondylitis. Bruneau C, et al. **Clin Exp Immunol** 1983 Sep;53(3):529-35

HLA-B27 and the immune response to enterobacterial antigens in ankylosing spondylitis. Trull A, et al. **Clin Exp Immunol** 1984 Jan;55(1):74-80

Serum and secretory IgA immune response to Klebsiella pneumoniae in ankylosing spondylitis. Trull AK, et al. **Clin Rheumatol** 1983 Dec;2(4):331-7

A factor in the culture filtrate of some Klebsiella isolates specifically modifies the fibroblasts of HLA-B27-positive normal individuals. Rayment C, et al. **Immunology** 1984 Jun;52(2):385-7

High prevalence of HLA-All in Thai seronegative spondyloarthropathies. Chaiamnuay P, et al. **J Rheumatol** 1983 Oct;10(5):790-2

IgA antibodies to Klebsiella pneumoniae in ankylosing spondylitis. Trull AK, et al. **Scand J Rheumatol** 1983; 12(3):249-53

Histocompatibility typing in the seronegative spondyloarthropathies: a survey. Espinoza LR, et al. **Semin Arthritis Rheum** 1982 Feb;11(3):375-81 (87 ref.)

The association between HLA antigens and the presence of certain diseases. Green JR, et al. **Stat Med** 1983 Jan-Mar; 2(1):79-85

HLA-B27 and ankylosing spondylitis in the Mexican Mestizo population. Arellano J, et al. **Tissue Antigens** 1984 Feb; 23(2):112-6

Seronegative spondyloarthropathies and HLA antigens in a Mestizo population. Pérez-Rojas GE, et al. **Tissue Antigens** 1984 Feb;23(2):107-11

Association of ankylosing spondylitis and monoclonal gammopathy: clinical case report and pathogenetic considerations. Ghirlanda G, et al. **Z Rheumatol** 1984 Jan-Feb;43(1):42-5

[Ankylosing spondylitis, rheumatoid arthritis and HLA antigens in Chinese] Zheng SQ. **Chung Hua Nei Ko Tsa Chih** 1983 May;22(5):285-7 (Eng. Abstr.) **(Chi)**

[Changes in natural immunity in the blood in ankylosing spondylarthritis] Hrnčíř Z, et al. **Vnitr Lek** 1984 Feb; 30(2):116-24 (Eng. Abstr.) **(Cze)**

[Tissue typing and immunopathogenesis of HLA-B27-linked diseases] Repo H. **Duodecim** 1984;100(8):474-82 **(Fin)**

[Ankylosing spondylarthritis. Determination of the antigen (letter)] Baudoin P. **Presse Med** 1983 Oct 1;12(34):2115 **(Fre)**

[Study of HLA antigens A and B and their cross reactions in B27-negative ankylosing spondylarthritis] Dreyfus P, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):269-72 (Eng. Abstr.) **(Fre)**

[Ankylosing spondylarthritis, HLA B27 and the theory of crossed tolerance] Ebringer A. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):763-9 (Eng. Abstr.) **(Fre)**

[Study of blood T-lymphocyte subpopulations in ankylosing spondylarthritis using monoclonal antibodies] Le Goff P, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):325-30 (Eng. Abstr.) **(Fre)**

[Iritis, ankylosing spondylarthritis and HLA B27] Roux H, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;50(11):783-5 **(Fre)**

[Immunologic status of patients with selected connective tissue diseases] Swierczyńska Z, et al. **Reumatologia** 1983; 21(1):15-24 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Attempt to modify klebsiella carriage in ankylosing spondylitic patients by diet: correlation of klebsiella carriage with disease activity. Shinebaum R, et al. **Ann Rheum Dis** 1984 Apr;43(2):196-9

Ankylosing spondylitis. A disease in search of microbes [letter] Geczy AF, et al. **J Rheumatol** 1983 Dec; 10(6):1001-2

OCCURRENCE

The prevalence of ankylosing hyperostosis in a Jerusalem population--with description of a method of grading the extent of the disease. Bloom RA. **Scand J Rheumatol** 1984; 13(2):181-9

Ankylosing spondylitis of juvenile onset: comparison with adult onset disease. García-Morteo O, et al. **Scand J Rheumatol** 1983;12(3):246-8

PATHOLOGY

The enthesopathy of ankylosing spondylitis. Ball J. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):25-8

Some pathological features of ankylosing spondylitis as revealed by microradiography and tetracycline labelling. Francois RJ. **Clin Rheumatol** 1982 Mar;1(1):23-9

Correlation between ossification and inflammation using a rat experimental model. Lussier A, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:114-7

[Several anatomo-biological aspects of reactive arthritis] Laoussadi S, et al. **Rev Rhum Mal Osteoartic** 1983 Nov;

50(11):787–93 (Fre)
[Connective tissue diseases in the field of osteopathy] Goto S. **Nippon Rinsho** 1984 May;42(5):1160–8 (Jpn)

PHYSIOPATHOLOGY

The temporomandibular joint in ankylosing spondylitis. Correlations between subjective, clinical, and radiographic features in the stomatognathic system and effects of treatment. Wenneberg B, et al. **Acta Odontol Scand** 1984 Jun;42(3):165–73
Hepatic function in ankylosing spondylitis. Robinson AC, et al. **Ann Rheum Dis** 1983 Oct;42(5):550–2
Transcutaneous electronic nerve stimulation in ankylosing spondylitis [letter] Nienhuis RL, et al. **Arthritis Rheum** 1984 Sep;27(9):1074–5
Performance capacity of trunk muscles in ankylosing spondylitis. Alaranta H, et al. **Clin Rheumatol** 1983 Sep; 2(3):251–7
Left ventricular function in patients with ankylosing spondylitis and Reiter's disease. Ribeiro P, et al. **Eur Heart J** 1984 May;5(5):419–22
[Changes in pulmonary ventilation and respiratory mechanics in patients with ankylosing spondylarthritis] Král J, et al. **Cas Lek Cesk** 1984 Mar 2;123(9):259–64 (Eng. Abstr.) (Cze)
[Relations between spinal function and respiration in ankylosing spondylitis (Bechterew disease)] Meister R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:691–4 (Eng. Abstr.) (Ger)

PSYCHOLOGY

Sexual problems in rheumatoid arthritis and ankylosing spondylitis. Elst P, et al. **Arthritis Rheum** 1984 Feb; 27(2):217–20
Sthenia, ambition and educational level in patients suffering from ankylosing spondylitis: a controlled study of personality features as compared to rheumatoid arthritis and unspecified low back pain. Zant JL, et al. **Clin Rheumatol** 1982 Dec;1(4):243–50

RADIOGRAPHY

CT of long-standing ankylosing spondylitis with cauda equina syndrome. Grosman H, et al. **AJNR** 1983 Sep–Oct; 4(5):1077–80
Radiological changes in men and women with ankylosing spondylitis. Gran JT, et al. **Ann Rheum Dis** 1984 Aug; 43(4):570–5
Radiological manifestations of Reiter's syndrome. Martel W. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 12–23
Hyperostosis of the clavicle and ossification of the costoclavicular ligament in association with ankylosing spondylitis. Sutro CJ, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):65–71
Confusion of roentgenographic differential diagnosis between ankylosing hyperostosis (Forestier's disease) and ankylosing spondylitis. Yagan R, et al. **Clin Rheumatol** 1983 Sep; 2(3):285–92
Radiological evidence of initial changes in the sacroiliacal joint in an ankylosing spondylarthritis. Stěda A, et al. **Radiol Diagn (Berl)** 1983;24(6):799–803
Enthesopathic erosive lesions of patella and tibial tuberosity in juvenile ankylosing spondylitis. Anatomico-radiological study of a case with tibial bursitis. Albert J, et al. **ROFO** 1983 Nov;139(5):544–8
[Juvenile onset ankylosing spondylarthritis] Menkes CJ, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):593–6 (Eng. Abstr.) (Fre)
[Pseudodystrophic spondylodiscopathies in ankylosing spondylitis (letter)] Martorell J, et al. **Presse Med** 1984 Jun 30;13(27):1703 (Fre)
[Different stages of hyperostosis of the heads of the ribs in spondylosis hyperostotica] Mironov A, et al. **ROFO** 1983 Oct;139(4):416–20 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

The application of single photon emission computed tomography to the diagnosis of ankylosing spondylitis of the spine. Jacobsson H, et al. **Br J Radiol** 1984 Feb; 57(674):133–40
Quantitative sacroiliac scintigraphy. The effect of method of selection of region of interest. Davis MC, et al. **Clin Nucl Med** 1984 Jun;9(6):334–40
[Quantitative scintigraphy of the sacroiliac joint in patients in various roentgen stages of spondylarthritis ankylopoietica] Mlatschkov C. **Radiobiol Radiother (Berl)** 1983;24(5):725–30 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Ileal disease associated with spinal irradiation for ankylosing spondylitis. Palmer KR, et al. **Am J Gastroenterol** 1983 Oct;78(10):619–20
[Can radium 224 (thorium X) effect the progression of Bechterew's disease?] Biskop M, et al. **Beitr Orthop Traumatol** 1983 Jul;30(7):374–81 (Eng. Abstr.) (Ger)

SURGERY

[Results of endoprosthesis of the hip joint in Bechterew's disease] Weber C, et al. **Beitr Orthop Traumatol** 1984 Mar; 31(3):135–42 (Eng. Abstr.) (Ger)

THERAPY

In-patient regime for the treatment of ankylosing spondylitis: an appraisal of improvement in spinal mobility and the effects of corticotrophin. Wordsworth BP, et al. **Br J Rheumatol** 1984 Feb;23(1):39–43
[Ankylosing spondylitis: clinical analysis of 35 cases] Shi GY. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):332–5 (Eng. Abstr.) (Chi)
[Prognosis of ankylosing spondylitis] Zeidler H. **Lebensversicherungsmedizin** 1984 Jun 12;36(5):103–7 (Eng. Abstr.) (Ger)
[Therapy of spondylarthritis ankylopoetica] Piergiacomi G, et al. **Clin Ter** 1983 Sep 30;106(6):471–81 (Ita)
[The effect of saunas on the physical activity of patients with ankylosing spondylitis at the beginning and end of spa therapy] Matej M, et al. **Fysiatr Reumatol Vestn** 1983 Aug; 61(4):214–25 (Eng. Abstr.) (Slo)

SPONDYLOEPIPHYSEAL DYSPLASIA see **MUCOPOLYSACCHARIDOSIS 4**

SPONDYLOLISTHESIS

COMPLICATIONS

Inferior and superior gluteal nerve paresis and femur neck fracture after spondylolisthesis and lysis: a case report. de Jong PJ, et al. **J Neurol** 1983;230(4):267–70
Rectosigmoid obstruction due to compression between calcified ovarian tumours and the lip of an advanced spondylolisthesis. Leese T, et al. **J R Soc Med** 1984 Jun; 77(6):520–2
Alar transverse process impingement of the L5 spinal nerve: the far-out syndrome. Wiltse LL, et al. **Spine** 1984 Jan–Feb; 9(1):31–41

CONGENITAL

[Congenital spondylolisthesis of the 6th cervical vertebra. Apropos of a pediatric case with a review of the literature] Labbé A, et al. **Ann Radiol (Paris)** 1983 Dec;26(8):691–4 (Eng. Abstr.) (Fre)

DIAGNOSIS

Cervical spondylotic myelopathy: a cause of gait disturbance and urinary incontinence in older persons. Murray PK. **J Am Geriatr Soc** 1984 Apr;32(4):324–30
[Cervical spondylolysis—a case report and review of the literature] Shinoda J, et al. **No To Shinkei** 1983 Jun; 35(6):595–601 (Eng. Abstr.) (Jpn)

ETIOLOGY

Lumbar spinal instability (olisthesis) after extensive posterior spinal decompression. Lee CK. **Spine** 1983 May–Jun; 8(4):429–33
[Evolution-linked, stress-related damage to the spine] Kohlbach W. **Rontgenblatter** 1983 Aug;36(8):260–5 (Eng. Abstr.) (Ger)
[Postsurgical spondylolysis-spondylolisthesis: etio-pathogenic considerations] Gulino F, et al. **Chir Organi Mov** 1981–82;67(6):693–6 (Eng. Abstr.) (Ita)

OCCURRENCE

Lytic spondylolisthesis in helicopter pilots. Froom P, et al. **Aviat Space Environ Med** 1984 Jun;55(6):556–7
The natural history of spondylolysis and spondylolisthesis. Fredrickson BE, et al. **J Bone Joint Surg [Am]** 1984 Jun; 66(5):699–707

PHYSIOPATHOLOGY

Functional myelography in spondylolisthesis. Rao DS, et al. **Arch Orthop Trauma Surg** 1983;101(2):75–82
Radiating leg pain and positive straight leg raising in spondylolysis in children. Halperin N, et al. **J Pediatr Orthop** 1983 Sep;3(4):486–90
Recordings of the movement at the intervertebral segment L5–S1: a technique for the determination of the movement in the L5–S1 spinal segment by using three specified postural positions. Keessen W, et al. **Spine** 1984 Jan–Feb; 9(1):83–90
[Isthmic spondylolisthesis with spontaneous development in adults. Apropos of 8 cases] Deburge A, et al. **Rev Chir Orthop** 1984;70(2):147–9 (Eng. Abstr.) (Fre)

PSYCHOLOGY

Pre-accident spondylosis [letter] McKellar CC. **Med J Aust** 1984 Feb 18;140(4):246

RADIOGRAPHY

CT multiplanar reconstruction in 253 cases of lumbar spondylolysis. Rothman SL, et al. **AJNR** 1984 Jan–Feb; 5(1):81–90
Multiple spondylolyses and spondylolistheses. Mathiesen F, et al. **Br J Radiol** 1984 Apr;57(676):338–40
Reevaluation of radiological signs in spondylolisthesis. Ravichandran G. **CRC Crit Rev Diagn Imaging** 1983; 20(3):175–90 (48 ref.)
Roentgenographic assessment of spondylolisthesis. Grimes HA. **J Arkansas Med Soc** 1984 Jun;81(1):79–82
Oblique lumbar spine radiographs: importance in young patients. Libson E, et al. **Radiology** 1984 Apr;151(1):89–90
Spondylolysis of the axis. Report of four cases. Hasue M, et al. **Spine** 1983 Nov–Dec;8(8):901–6
[Clinicoradiological and computed tomographic comparison of 50 surgical patients with degenerative lumbar stenosis] Perves A, et al. **Rev Chir Orthop** 1983;69 Suppl 2:129–34 (Fre)
[Extensive diagnostic procedures in lumbar pain in sportsmen] Sowiński J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):379–83 (Eng. Abstr.) (Pol)

SURGERY

Posterior spinal fusion using internal fixation with the Daab plate. Böstman O, et al. **Acta Orthop Scand** 1984 Jun; 55(3):310–4
A comparative study of spondylolisthesis in operations on adolescents and adults. Haraldsson S, et al. **Arch Orthop Trauma Surg** 1983;101(2):101–5
Long-term follow-up evaluation of a few patients with spondylolisthesis treated by excision of the loose lamina with decompression of the nerve roots without spinal fusion. Gill GG. **Clin Orthop** 1984 Jan–Feb;(182):215–9
Posterior intervertebral body fusion. A 25-year study. Hutter CG. **Clin Orthop** 1983 Oct;(179):86–96
Degenerative spondylolisthesis with an intact neural arch: a review of 60 cases with an analysis of clinical findings and the development of surgical management. Epstein NE, et al. **Neurosurgery** 1983 Nov;13(5):555–61
[Importance of the E. Luque technic in the surgery of major spondylolisthesis in children] Michel CR, et al. **Chir Pediatr** 1984;25(3):161–3 (Eng. Abstr.) (Fre)
[Treatment of spondylolisthesis (stage I–II) by neurosurgical decompression without either osteosynthesis or reduction] Lapras C, et al. **Neurochirurgie** 1984;30(3):147–52 (Eng. Abstr.) (Fre)
[Technic of lumbosacral graft in the surgical treatment of dysplastic spondylolisthesis] Fassio B. **Rev Chir Orthop** 1983;69(7):573–5 (Eng. Abstr.) (Fre)
[Treatment of spondylolisthesis in adolescents and adults by intersomatic arthrodesis using a posterior approach. Apropos of 40 cases] Lerat JL, et al. **Rev Chir Orthop** 1984; 70 Suppl 2:127–33 (Fre)
[Indication for the surgical correction of severe spondylolisthesis and modification of incorrect lumbar posture] Suezawa Y, et al. **Z Orthop** 1983 Sep–Oct; 121(5):555–63 (Eng. Abstr.) (Ger)
[Data on the diagnosis of spondylolysis. Therapeutic methods based on 2 cases] Lakatos J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):71–7 (Eng. Abstr.) (Hun)

THERAPY

Clinical evaluation of an electrical current stimulator in spinal fusions. Nerubay J, et al. **Int Orthop** 1984;7(4):239–42
[Conservative therapy of spondylolisthesis using body braces] Edelmann P. **Z Orthop** 1984 Mar–Apr;122(2):152–4 (Eng. Abstr.) (Ger)

SPONDYLOLYSIS see under **SPONDYLOLISTHESIS**

SPONDYLOSIS DEFORMANS see **SPINAL OSTEOPHYTOSIS**

SPORES

ANALYSIS

The allergenic and antigenic properties of spore extracts of Aspergillus fumigatus: a comparative study of spore extracts with mycelium and culture filtrate extracts. Kauffman HF, et al. **J Allergy Clin Immunol** 1984 May; 73(5 Pt 1):567–73

ULTRASTRUCTURE

The tonoplast, a specific marker of embryogenic microspores of Datura cultured in vitro. Sangwan RS, et al. **Histochemistry** 1983;78(4):473–80

SPORES, BACTERIAL

Isolation and mapping of a new suppressor mutation of an early sporulation gene spoOF mutation in Bacillus subtilis. Kawamura F, et al. **MGG** 1983;192(3):330–4
Selective expression of a plasmid cat gene at a late stage of Bacillus subtilis sporulation. Mongkolsuk S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3457–60

ANALYSIS

Immunofluorescence analysis of bacillus spores and vegetative cells by flow cytometry. Phillips AP, et al. **Cytometry** 1983 Sep;4(2):123–31
Isolation and characterization of two distinct fractions from the inner membrane of dormant Bacillus megaterium spores. Swerdlow RD, et al. **J Bacteriol** 1984 Apr; 158(1):9–15
Occurrence of galactosamine-6-phosphate as a constituent of Bacillus megaterium spore coat. Nasu M, et al. **Microbiol Immunol** 1984;28(2):181–8

GENETICS

Use of a lacZ fusion to study the role of the spoO genes of Bacillus subtilis in developmental regulation. Zuber P, et al. **Cell** 1983 Nov;35(1):275–83

Cloning of sporulation gene spoIIG in Bacillus subtilis. Ayaki H, et al. **J Bacteriol** 1984 May;158(2):507–12

PHYSIOLOGY

Comparative thermoresistance of two biological indicators for monitoring steam autoclaves. I. Comparison performed in a gravity BIER/Steam Vessel. Skaug N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):435–41

A stochastic model of bacterial spore germination. Leblanc R, et al. **Bull Math Biol** 1984;46(3):447–60

ULTRASTRUCTURE

Ultrastructure and extreme heat resistance of spores from thermophilic Clostridium species. Hyun HH, et al. **J Bacteriol** 1983 Dec;156(3):1332–7

SPORES, FUNGAL

A survey of allergenic airborne pollen and spores in the Fairbanks area, Alaska. Anderson JH. **Ann Allergy** 1984 Jan;52(1):26–31

Mold allergy: a three year investigation (1980–1982) of the airborne fungal spores in Naples, Italy. D'Amato G, et al. **Ann Allergy** 1984 May;52(5):363–7

Developmental changes in translatable RNA species associated with meiosis and spore formation in Saccharomyces cerevisiae. Weir–Thompson EM, et al. **Mol Cell Biol** 1984 Apr;4(4):695–702

Spread of equine lungworm (Dictyocaulus arnfieldi) larvae from faeces by Pilobolus fungi. Jørgensen RJ, et al. **Nord Vet Med** 1984 May–Jun;36(5–6):162–9

IMMUNOLOGY

Interaction of Aspergillus fumigatus spores and pulmonary alveolar macrophages of rabbits. Kurup VP. **Immunobiology** 1984 Jan;166(1):53–61

ISOLATION & PURIFICATION

Use of nystatin for random spore selection in the yeast Saccharomycopsis lipolytica. Barth G, et al. **Z Allg Mikrobiol** 1984;24(2):125–7

[Relation between meteorological conditions and the atmospheric microflora of the city of Barcelona] Calvo MA, et al. **Allergol Immunopathol (Madr)** 1983 Jul–Aug; 11(4):251–4 (Eng. Abstr.) **(Spa)**

[Probable air-borne fungal allergens in Panama City] Sierra R, et al. **Rev Med Panama** 1984 May;9(2):116–22 (Eng. Abstr.) **(Spa)**

METABOLISM

An autoradiographic method for determining nutrient competition between leaf epiphytes and plant pathogens. Edwards MC, et al. **J Microsc** 1984 Feb;133 (Pt 2):205–12

Fungal spores are agglutinated by proteins and adhere to bean hypocotyls due to nonspecific binding. Kauss H, et al. **Prog Clin Biol Res** 1983;138:187–96

ULTRASTRUCTURE

Effects of hydration on the surface morphology of urediospores. Read ND, et al. **J Microsc** 1983 Nov;132 (Pt 2):179–84

SPORIDESMINS see under **INDOLES**

SPOROTHRIX see **SPOROTRICHUM**

SPOROTRICHOSIS

Musculoskeletal sporotrichosis. Chang AC, et al. **Skeletal Radiol** 1984;12(1):23–8

COMPLICATIONS

Pleural sporotrichosis [letter] Morrissey R, et al. **Chest** 1983 Oct;84(4):507

Systemic sporotrichosis with osteomyelitis. Kumar R, et al. **J Can Assoc Radiol** 1984 Mar;35(1):83–4

DIAGNOSIS

Rosacea-like sporotrichosis. Day TW, et al. **Cutis** 1984 Jun; 33(6):549–52

Facial sporotrichosis in an infant. Rudolph RI. **Cutis** 1984 Feb;33(2):171–3, 179

Disseminated sporotrichosis with Sporothrix schenckii fungemia. Morgan MA, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):151–5

The intradermal sporotrichin test and the diagnosis of sporotrichosis. Dominguez–Soto L, et al. **Int J Dermatol** 1983 Nov;22(9):520

Localized cutaneous sporotrichosis. Sperling LC, et al. **Int J Dermatol** 1983 Nov;22(9):525–8

Immune deficiency presenting as disseminated sporotrichosis. Matter SE, et al. **J Okla State Med Assoc** 1984 Apr; 77(4):114–7

Application of immunoprecipitation techniques to the diagnosis of cutaneous and extracutaneous forms of sporotrichosis. de Albornoz MB, et al. **Mycopathologia** 1984 Apr 15;85(3):177–83

[Serology of cutaneous sporotrichosis] Casserone S, et al. **Sabouraudia** 1983 Dec;21(4):317–21 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Sporotrichosis arthritis. A case presentation and review of the literature. Khan MI, et al. **S Afr Med J** 1983 Dec 31; 64(28):1099–101

IMMUNOLOGY

Sporotrichosis. Two cases of exogenous second infection. Grekin RH. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):233–4

[Immunologic profile of a patient with lymphocutaneous sporotrichosis] Meléndez Ruiz CE, et al. **Mycopathologia** 1983 Nov 25;83(3):169–73 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

An extracellular substance of Sporothrix schenckii in human infection. Garrison RG, et al. **Mykosen** 1983 Sep; 26(9):462–8

OCCURRENCE

Sporothrix schenckii—incidence in the Sydney region. Muir DB, et al. **Australas J Dermatol** 1984 Apr;25(1):27–8

Sporotrichosis in Himachal Pradesh (India). Singh P, et al. **Indian J Med Sci** 1983 Jun;37(6):101–3

SPOROTRICHUM

CYTOLOGY

Effects of divalent cations and functionally related substances on the yeast to mycelium transition in Sporothrix schenckii. Alsina A, et al. **Sabouraudia** 1984;22(1):1–5

DRUG EFFECTS

Effects of caffeine, cyclic 3', 5' adenosine monophosphate and cyclic 3', 5' guanosine monophosphate in the development of the mycelial form of Sporothrix schenckii. Rodriguez–Del Valle N, et al. **Mycopathologia** 1984 Apr 30;86(1):29–33

IMMUNOLOGY

Low-titer agglutinins to Sporothrix schenckii in nonsporotrichotic human and animal sera. Ishizaki H, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):501–4

Application of immunoprecipitation techniques to the diagnosis of cutaneous and extracutaneous forms of sporotrichosis. de Albornoz MB, et al. **Mycopathologia** 1984 Apr 15;85(3):177–83

A comparison of mycelial filtrate – and yeast lysate – paracoccidioidin in patients with paracoccidioidomycosis. Restrepo A, et al. **Mycopathologia** 1983 Dec 1;84(1):49–54

Correlations among culture times, sugar composition and biological activities of Sporothrix schenckii antigens. Takata M, et al. **Mycopathologia** 1983 Dec 1;84(1):31–9

An extracellular substance of Sporothrix schenckii in human infection. Garrison RG, et al. **Mykosen** 1983 Sep; 26(9):462–8

[Serology of cutaneous sporotrichosis] Casserone S, et al. **Sabouraudia** 1983 Dec;21(4):317–21 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Some studies on mycotic contamination of egg with reference to the proteolytic activity of the isolated fungi. Torky HA. **Bull Anim Health Prod Afr** 1982 Mar;30(1):25–8

Isolation of sporothrix schenckii from the floor of an indoor swimming pool. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):499–506

PHYSIOLOGY

The effects of heat on Sporothrix schenckii in vitro and in vivo. Hiruma M, et al. **Mycopathologia** 1983 Dec 1; 84(1):21–30

SPOROZOA

Infection rates of Theileria annulata in the salivary glands of the tick Hyalomma marginatum rufipes. Jongejan F, et al. **Vet Parasitol** 1983 Sep;13(2):121–6

ANALYSIS

Determination of nuclear DNA of five eucoccidian parasites, Isospora (Toxoplasma) gondii, Sarcocystis cruzi, Eimeria tenella, E. acervulina and Plasmodium berghei, with special reference to gamontogenesis and meiosis in I. (T.) gondii. Cornelissen AW, et al. **Parasitology** 1984 Jun;88 (Pt 3):531–53

CLASSIFICATION

Electrophoretic differences in the isoenzymes of two mosquito gregarines, Ascogregarina barretti and A. geniculati. Rowton ED, et al. **J Parasitol** 1984 Feb; 70(1):63–7

[Microsporidian Vairimorpha hybomitrae (=Nosema hybomitrae) in gadflies of the genus Hybomitra in Karelia] Bykova KhI, et al. **Parazitologiia** 1984 May–Jun; 18(3):247–9 (Eng. Abstr.) **(Rus)**

[Use of biochemical indices in the classification of Sporozoa] Khovanskikh AE. **Parazitologiia** 1983 Jul–Aug; 17(4):249–55 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Evaluation of a range of antimicrobial agents against the parasitic protozoa, Plasmodium falciparum, Babesia rodhaini and Theileria parva in vitro. McColm AA, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):345–54

[The effect of disinfectants on the infectivity of Cryptosporidium sp. oocysts] Pavlásek I. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar;33(2):97–101 (Eng. Abstr.) **(Cze)**

GENETICS

The genome of Theileria parva: some structural properties. Guerin–Marchand C, et al. **FEBS Lett** 1984 Apr 24; 169(2):305–8

GROWTH & DEVELOPMENT

Blast transformation of adherent macrophages infected in vitro with sporozoites of Theileria parva. Moulton J, et al. **Am J Vet Res** 1984 Apr;45(4):678–84

The development of Theileria annulata in the salivary glands of the vector tick Hyalomma anatolicum anatolicum. Reid GD, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):409–21

Some factors controlling the stimulation of sporogony of Theileria parva in its tick vector Rhipicephalus appendiculatus. Young AS, et al. **Int J Parasitol** 1984 Feb; 14(1):97–102

Development of human and calf Cryptosporidium in chicken embryos. Current WL, et al. **J Infect Dis** 1983 Dec; 148(6):1108–13

Development of second generation merozoites of Leucocytozoon caulleryi in vitro. Isobe T, et al. **J Protozool** 1984 Feb;31(1):186–7

Susceptibility of pekin and muscovy ducks to Haemoproteus nettionis. Sibley LD, et al. **J Wildl Dis** 1984 Apr; 20(2):108–13

Detection of gametocytes in chickens recovered from natural infection with Leucocytozoon caulleryi. Kitani T, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):108–10

Preparation of suspensions of Hyalomma excavatum ticks infected with Theileria annulata. Samish M, et al. **Vet Parasitol** 1983 Oct;13(3):267–72

The maturation of Theileria annulata in Hyalomma anatolicum anatolicum stimulated by incubation or feeding to produce sporozoites. Walker AR, et al. **Vet Parasitol** 1983 Aug;13(1):13–21

Cultivation of Theileria. I. Attempts to complete the cycle of Theileria parva in vitro. Jongejan F, et al. **Vet Q** 1984 Jan;6(1):37–40

Cultivation of Theileria. II. Attempts to cultivate erythrocytic stages of Theileria mutans. van de Scheur HC, et al. **Vet Q** 1984 Jan;6(1):41–3

IMMUNOLOGY

Passage of host serum components, including antibodies specific for Theileria sergenti, across the digestive tract of argasid and ixodid ticks. Fujisaki K, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):449–50

Evidence for a common protective antigenic determinant on sporozoites of several Theileria parva strains. Musoke AJ, et al. **Immunology** 1984 Jun;52(2):231–8

Indirect immunofluorescent antibody test in chicken leucocytozoonosis. Isobe T, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Winter;22(4):163–9

Immunisation against East Coast fever: correlation between monoclonal antibody profiles of Theileria parva stocks and cross immunity in vivo. Irvin AD, et al. **Res Vet Sci** 1983 Nov;35(3):341–6

Characterisation of stocks of Theileria parva by monoclonal antibody profiles. Minami T, et al. **Res Vet Sci** 1983 Nov; 35(3):334–40

ISOLATION & PURIFICATION

Occurrence of Leucocytozoon and Haemoproteus (Apicomplexa, Haemosporina) in Falconiformes and Strigiformes of Italy. Sacchi L, et al. **Ann Parasitol Hum Comp** 1984;59(3):219–26

Haemoproteus tinnunculus in the American kestrel (Falco sparverius). Maloney PJ, et al. **J Wildl Dis** 1984 Jan; 20(1):57–8

Isolation and transmission of Theileria mutans (Chisamba) in Zambia. Musisi FL, et al. **Res Vet Sci** 1984 Jan; 36(1):129–31

Natural infection rates of Hyalomma anatolicum anatolicum with theileria in Sudan. Walker AR, et al. **Res Vet Sci** 1983 Jul;35(1):87–90

Note on the transmission of Theileria annulata by Hyalomma ticks in the Sudan. Mustafa Uel–H, et al. **Vet Q** 1983 Jul; 5(3):112–3

Theileria orientalis in Iran. Uilenberg G, et al. **Vet Q** 1984 Jan;6(1):1–4

[Existence of Theileria mutans and Theileria velifera (Sporozoa, Theileriidae) in Guadeloupe (French West

Indies)] Uilenberg G, et al.
Rev Elev Med Vet Pays Trop 1983;36(3):261–4 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Dose dependent responses of cattle to Theileria parva stabilate. Dolan TT, et al. **Int J Parasitol** 1984 Feb; 14(1):89–95
Infectivity of Leucocytozoon caulleryi sporozoites developed in vitro and in vivo. Morii T, et al. **Int J Parasitol** 1984 Apr;14(2):135–9
Monoclonal antibody neutralizes the sporozoite stage of different Theileria parva stocks. Dobbelaere DA, et al. **Parasite Immunol** 1984 Jul;6(4):361–70
[Pathogenicity of hemosporidians (Sporozoa, Haemosporidia) of birds] Val'kiunas GA. **Parazitologiia** 1983 Sep–Oct; 17(5):375–81 (30 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Entry of sporozoites of Theileria into bovine lymphocytes. **Ciba Found Symp** 1983;99:207–13
An epizootic Amblyospora sp. (Microspora: Amblyosporidae) in field populations of the mosquito, Aedes cantator. Andreadis TG. **J Invertebr Pathol** 1983 Nov;42(3):427–30
A theory for the mechanism of polar filament extrusion in the Microspora. Dall DJ. **J Theor Biol** 1983 Dec 21; 105(4):647–59

ULTRASTRUCTURE

Fine structure of Leucocytozoon caulleryi during microgametogenesis and fertilization. Morii T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):314–22

SPORTS

see related
ATHLETIC INJURIES
DOPING IN SPORTS

Use of Hungarian milk–protein products in sport. Frenkl R, et al. **Acta Med Hung** 1984;41(2–3):171–3
The dynamics of changes in blood electrolyte and lactic acid concentrations, haematocrit, arterial blood pressure and heart rate in canoeists during 4 hours of rest after maximal effort. Tomasik M. **Acta Physiol Pol** 1983 Mar–Apr; 34(2):263–7
The effects of an energy stimulator on blood electrolyte and lactate levels in athletes under training. Bombardieri E, et al. **Acta Vitaminol Enzymol** 1984;6(1):57–61
Socialization of adolescent girls into physical activity. Butcher J. **Adolescence** 1983 Winter;18(72):753–66
Dissociated changes of short- and long-latency myotatic responses prior to a brisk voluntary movement in normals, in karate experts, and in Parkinsonian patients. Mortimer JA, et al. **Adv Neurol** 1983;39:541–54
Nutrition and athletic performance. Manjarrez C, et al. **Am Fam Physician** 1983 Nov;28(5):105–15
Anabolic steroids in athletics. Mellion MB. **Am Fam Physician** 1984 Jul;30(1):113–9
The female athlete. Wilkerson LA. **Am Fam Physician** 1984 May;29(5):233–7
Comments on plasma lipid response of cyclists to diet lipids [letter] Reiser R. **Am J Clin Nutr** 1984 Aug;40(2):360–1
Arterial embolism of a high-velocity rifle bullet after a hunting accident. Case report and literature review. Jones AM, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):259–64
Equestrian dyspareunia. Greiss FC Jr. **Am J Obstet Gynecol** 1984 Sep 15;150(2):168
Muscle fiber type characteristics of M. deltoideus in wheelchair athletes. Comparison with other trained athletes. Tesch PA, et al. **Am J Phys Med** 1983 Oct; 62(5):239–43
The biomechanics of head-first versus feet-first sliding. Corzatt RD, et al. **Am J Sports Med** 1984 May–Jun; 12(3):229–32
Women midshipmen in sports. Cox JS, et al. **Am J Sports Med** 1984 May–Jun;12(3):241–3
Body composition of elite American athletes. Fleck SJ. **Am J Sports Med** 1983 Nov–Dec;11(6):398–403
The muscle fiber composition of skeletal muscle as a predictor of athletic success. An overview. Gollnick PD, et al. **Am J Sports Med** 1984 May–Jun;12(3):212–7 (55 ref.)
Simultaneous bilateral rupture of the quadriceps tendon and leg fractures in a weightlifter. A case report. Grenier R, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):451–3
Bilateral distal radius and ulnar shafts in adolescent weight lifters [letter] Herrick RT. **Am J Sports Med** 1983 Sep–Oct; 11(5):369
An EMG analysis of the shoulder in pitching. A second report. Jobe FW, et al. **Am J Sports Med** 1984 May–Jun; 12(3):218–20
Transchondral fracture of the dome of the talus sustained during weight training. Mannis CI. **Am J Sports Med** 1983 Sep–Oct;11(5):354–6
Triceps tendon avulsion in a professional body builder. A case report. Sherman OH, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):328–9
Myoglobinemia and endurance exercise: a study of twenty-five participants in a triathlon competition. Thomas BD Jr, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):113–9
Medical services provided at the 1982 Southern Open Golf Tournament. Thomas DR, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):155–8
Slow-pitch softball injuries. Wheeler BR. **Am J Sports Med** 1984 May–Jun;12(3):237–40
The assessment of and variation in aerobic power in world class athletes as related to specific sports. Wilmore JH. **Am J Sports Med** 1984 Mar–Apr;12(2):120–7 (98 ref.)
Death in sports and recreation. Chao TC. **Ann Acad Med Singapore** 1983 Jul;12(3):400–4
Anterior dislocation of the acromioclavicular joint. Nieminen S, et al. **Ann Chir Gynaecol** 1984;73(1):21–4
Hematocrit and plasma volume in runners [letter] Ernst E, et al. **Ann Intern Med** 1984 Oct;101(4):571
Androgens and hepatocellular carcinoma in an athlete [letter] Overly WL, et al. **Ann Intern Med** 1984 Jan;100(1):158–9
Pac-Man tendinitis [letter] Rosner F. **Ann Intern Med** 1983 Oct;99(4):571
Ventricular arrhythmias and sudden death in athletes. Furlanello F, et al. **Ann NY Acad Sci** 1984;427:253–79
Some nutritional considerations in the conditioning of althletes. Buskirk ER. **Annu Rev Nutr** 1981;1:319–50 (127 ref.)
Mortality and morbidity from injuries in sports and recreation. Kraus JF, et al. **Annu Rev Public Health** 1984; 5:163–92 (97 ref.)
Electrodiagnostic localization of traumatic upper trunk brachial plexopathy. Di Benedetto M, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):15–7
The psychology of children in sport. Bond J. **Aust Fam Physician** 1983 Jul;12(7):542–4
Bicycle accidents in childhood. Social and preventive aspects. Bouvier R. **Aust Fam Physician** 1984 Apr; 13(4):287–9
Why pedal cyclists should wear safety helmets. McDermott FT. **Aust Fam Physician** 1984 Apr;13(4):284–5
Australian Rules football injuries. Quinn NW. **Aust Fam Physician** 1983 Sep;12(9):691–2, 694
Mandibular condyle fractures and the BMX bicycle [letter] Adlam DM. **Br Dent J** 1984 Jun 23;156(12):430
Cardiac structure and function in cyclists and runners. Comparative echocardiographic study. Fagard R, et al. **Br Heart J** 1984 Aug;52(2):124–9
Ambulatory electrocardiography in squash players. Northcote RJ, et al. **Br Heart J** 1983 Oct;50(4):372–7
Cardiac hypertrophy in athletes [editorial] Oakley D. **Br Heart J** 1984 Aug;52(2):121–3
Physiological left ventricular hypertrophy. Shapiro LM. **Br Heart J** 1984 Aug;52(2):130–5
Traumatic temporal aneurysm. Snape L. **Br J Oral Maxillofac Surg** 1984 Jun;22(3):208–11
A comparative study of rural athletes of four states of India. Bhatnagar DP, et al. **Br J Sports Med** 1984 Mar;18(1):34–7
Biological characteristics of young swimmers, tennis players and non-competitors. Bloomfield J, et al. **Br J Sports Med** 1984 Jun;18(2):97–103
The 1982 epidemic—roller skating injuries. Bunker TD. **Br J Sports Med** 1983 Sep;17(3):205–7
Some anthropometric characteristics of the National Junior Hammer Squad. Kidd D, et al. **Br J Sports Med** 1983 Dec; 17(4):152–3
Blunt injury of the radial and ulnar arteries in volley ball players. A report of three cases of the antebrachial-palmar hammer syndrome. Kostianen S, et al. **Br J Sports Med** 1983 Sep;17(3):172–6
An unusual cycling injury. Macauley D, et al. **Br J Sports Med** 1983 Dec;17(4):145–6
Developing physical fitness for the elderly through sport and exercise. Meusel H. **Br J Sports Med** 1984 Mar;18(1):4–12
The carbohydrate maintenance properties of an experimental sports drink. White JA, et al. **Br J Sports Med** 1984 Jun; 18(2):64–9
Sudden cardiac death in sport [letter] **Br Med J [Clin Res]** 1984 Jan 7;288(6410):63–4
Sport for tall [letter] Baker CC. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1307
Major ocular trauma: a disturbing trend in field hockey injuries. Elliott AJ, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):21–2
Sport for tall. Khosla T. **Br Med J [Clin Res]** 1983 Sep 10; 287(6394):736–8
Sudden cardiac death in sport. Northcote RJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1357–9 (42 ref.)
Impact performance of bicycle helmets. Bishop PJ, et al. **Can J Appl Sport Sci** 1984 Jun;9(2):94–101
Operative goals of intercollegiate athletics: perceptions of athletic administrators. Chelladurai P, et al. **Can J Appl Sport Sci** 1984 Mar;9(1):33–41
Perceived competence among interscholastic sport participants and dropouts. Feltz DL, et al. **Can J Appl Sport Sci** 1983 Dec;8(4):231–5
Impact of coaching certification on coaching attitudes. Graham RH, et al. **Can J Appl Sport Sci** 1983 Sep; 8(3):180–8
Seasonal variables among physiological variables in elite oarsmen. Hagerman FC, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):143–8
Cardiovascular responses to short-term olympic style weight-training in young men. Stone MH, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):134–9
Spinal injuries due to hockey. Tator CH, et al. **Can J Neurol Sci** 1984 Feb;11(1):34–41
Evaluation and control of carbon monoxide exposure in indoor skating arenas. Kwok PW. **Can J Public Health** 1983 Jul–Aug;74(4):261–5
Androgen use by athletes: a possible cancer risk [letter] Noble RL. **Can Med Assoc J** 1984 Mar 1;130(5):549–50
Athletic performance and urban air pollution. Shephard RJ. **Can Med Assoc J** 1984 Jul 15;131(2):105–9
National survey of spinal injuries in hockey players. Tator CH, et al. **Can Med Assoc J** 1984 Apr 1;130(7):875–80
Exercise, sports, and menstrual dysfunction. Hale RW. **Clin Obstet Gynecol** 1983 Sep;26(3):728–35 (19 ref.)
Resistive training. Ariel GB. **Clin Sports Med** 1983 Mar; 2(1):55–69
The biomechanical aspects of Olympic sports medicine. Dillman CJ, et al. **Clin Sports Med** 1983 Mar;2(1):31–5
Vitamins, diet, and the athlete. Grandjean AC. **Clin Sports Med** 1983 Mar;2(1):105–14
Dental problems in athletes. Kerr L. **Clin Sports Med** 1983 Mar;2(1):115–22
Soft tissue conditions in athletes' feet. Sammarco GJ. **Clin Sports Med** 1982 Mar;1(1):149–55
The handicapped in sports. Stewart MJ. **Clin Sports Med** 1983 Mar;2(1):183–90
Athletic footwear and orthotic appliances. Torg JS. **Clin Sports Med** 1982 Mar;1(1):157–75
Sports physiology: testing the athlete. Van Handel PJ, et al. **Clin Sports Med** 1983 Mar;2(1):19–30
Sports psychology and the elite athlete. Waitley DE, et al. **Clin Sports Med** 1983 Mar;2(1):87–99
Evaluation of isokinetic muscle performance. Watkins MP, et al. **Clin Sports Med** 1983 Mar;2(1):37–53
Sports and clean living: a useful myth? Rooney JF. **Drug Alcohol Depend** 1984 Jan;13(1):75–87
Ethical problems for veterinary surgeons at equestrian events. Gerber H. **Equine Vet J** 1984 Jan;16(1):25–7
Survey of positive results from racecourse antidoping samples received at Racecourse Security Services' Laboratories. Moss M. S.. **Equine Vet J** 1984 Jan;16(1):39–42
Measurement of short term power output: comparison between cycling and jumping. Davies CT, et al. **Ergonomics** 1984 Mar;27(3):285–96
Tests of lifting and handling capacity. Their repeatability and relationship to back symptoms. Griffin AB, et al. **Ergonomics** 1984 Mar;27(3):305–20
The effect of bicycle crank-length variation upon power performance. Inbar O, et al. **Ergonomics** 1983 Dec; 26(12):1139–46
A physiological study of the repetitive lifting capabilities of healthy young males. Legg SJ, et al. **Ergonomics** 1984 Mar; 27(3):259–72
Pumping effects on thermal insulation of clothing worn by human subjects. Vogt JJ, et al. **Ergonomics** 1983 Oct; 26(10):963–74
Ambulatory electrocardiographic findings in young athletes between 14 and 16 years of age. Viitasalo MT, et al. **Eur Heart J** 1984 Jan;5(1):2–6
Leisure time sport activities and maximal aerobic power during late adolescence. Andersen KL, et al. **Eur J Applied Physiol** 1984;52(4):431–6
Relationship between isokinetic performance and ballistic movement. Bosco C, et al. **Eur J Applied Physiol** 1983; 51(3):357–64
Effects of external loading on short term power output in children and young male adults. Davies CT, et al. **Eur J Applied Physiol** 1984;52(3):351–4
Ventilatory and heart rate responses to hypoxia in well-trained judo athletes. Ohyabu Y, et al. **Eur J Applied Physiol** 1984;52(4):451–6
Rowing performance, a mathematical model based on analysis of body dimensions as exemplified by body weight. Secher NH, et al. **Eur J Applied Physiol** 1983;52(1):88–93
Cardiac dimensions in athletes in relation to variations in their training program. Snoeckx LH, et al. **Eur J Applied Physiol** 1983;52(1):20–8
Blood lactate accumulation during arm exercise in world class kayak paddlers and strength trained athletes. Tesch PA, et al. **Eur J Applied Physiol** 1984;52(4):441–5
Differences in oxygen consumption and external power between male and female speed skaters during supramaximal cycling. van Ingen Schenau GJ, et al. **Eur J Applied Physiol** 1983;51(3):337–45
The cross-cultural study of games. Chick GE. **Exerc Sport Sci Rev** 1984;12:307–37 (104 ref.)
Women and exercise: physiological aspects. Drinkwater BL. **Exerc Sport Sci Rev** 1984;12:21–51 (146 ref.)
Computer simulation of human motion in sports biomechanics. Vaughan CL. **Exerc Sport Sci Rev** 1984; 12:373–416 (101 ref.)
Nutrient intake and energy regulation in physical exercise. Howald H, et al. **Experientia [Suppl]** 1983;44:77–88 (21 ref.)
Ankle joint load and leg muscle activity during lifting. Ekholm J, et al. **Foot Ankle** 1984 May–Jun;4(6):292–300
Dependence of structure of the cardiac rhythm on physical working capacity of athletes. Kepezhenas AK, et al. **Hum Physiol** 1983 Sep–Oct;9(5):306–15
Relationship between work load, pedal frequency, and physical fitness. Böning D, et al. **Int J Sports Med** 1984 Apr;5(2):92–7
Influence of training on the force-velocity relationship of the arm flexors of active sportsmen. de Koning FL, et al. **Int J Sports Med** 1984 Feb;5(1):43–6
Physiologic comparison of competitive racewalking and

running. Hagberg JM, et al. **Int J Sports Med** 1984 Apr; 5(2):74–7
Changes in neuromuscular performance in voluntary and reflex contraction during strength training in man. Häkkinen K, et al. **Int J Sports Med** 1983 Nov;4(4):282–8
Ulnar and posterior tibial nerve conduction velocity in athletes. Kamen G, et al. **Int J Sports Med** 1984 Feb; 5(1):26–30
Athlete's heart—a review of its historical assessment and new aspects. Rost R, et al. **Int J Sports Med** 1983 Aug; 4(3):147–65 (135 ref.)
Cardiovascular reactions during exhausting isometric exercise while windsurfing on a simulator or at sea. Schönle C, et al. **Int J Sports Med** 1983 Nov;4(4):260–4
International symposium on special problems and management of allergic athletes. January 13–14, 1984, Palm Springs, California. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):629–748
Management of allergic Olympic athletes. Fitch KD. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):722–7
Rhinitis in the athlete. Katz RM. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):708–11
Nutrition and the allergic athlete. Mahan LK. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):728–34
Methacholine challenge—relevance for the allergic athlete. Shapiro GG. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):670–5
Nutritional preparation of athletes: what makes sense? McCutcheon ML. **J Am Coll Health** 1984 Jun;32(6):247–51
Nutrition knowledge of high school athletic coaches in Texas. Bedgood BL, et al. **J Am Diet Assoc** 1983 Dec; 83(6):672–4, 677
AOA Sports Vision Section screening of basketball officials. Harris PA, et al. **J Am Optom Assoc** 1984 Feb;55(2):130–4, 141
A method of evaluating eye–hand coordination and visual reaction time in athletes. Sherman A. **J Am Optom Assoc** 1983 Sep;54(9):801–2
Quadriplegia following rugby football injury. Lamid S, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):12–4
Disuse osteoporosis. A case report. Brandes BA, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):482–4
Observations on fighting dogs. Clifford DH, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):654–7
Cardiac hypertrophy and function in master endurance runners and sprinters. Child JS, et al. **J Appl Physiol** 1984 Jul;57(1):176–81
Selective activation of quadriceps muscle fibers according to bicycling rate. Citterio G, et al. **J Appl Physiol** 1984 Aug;57(2):371–9
Muscle capillary supply and fiber type characteristics in weight and power lifters. Tesch PA, et al. **J Appl Physiol** 1984 Jan;56(1):35–8
Blood O2 affinity and maximal O2 consumption in elite bicycle racers. Veicsteinas A, et al. **J Appl Physiol** 1984 Jul;57(1):52–8
The influence of aerodynamic and biomechanical factors on long jump performance. Ward-Smith AJ. **J Biomech** 1983; 16(8):655–8
Injuries to the cervical spine in schoolboys playing rugby football. Horan FT. **J Bone Joint Surg [Br]** 1984 Aug; 66(4):470–1
Injuries of the cervical spine in schoolboy rugby football. McCoy GF, et al. **J Bone Joint Surg [Br]** 1984 Aug; 66(4):500–3
Foot problems in athletes. Garfinkel D, et al. **J Fam Pract** 1984 Aug;19(2):239–50
Rupture of the diaphragm in a wrestling match. McCormack DL, et al. **J Iowa Med Soc** 1983 Oct;73(10):406–8
Creatine kinase BB isoenzyme in rugby football players [letter] Brayne CE, et al. **J Neurol Neurosurg Psychiatry** 1984 May;47(5):568–9
Effect of weight training on blood pressure and hemodynamics in hypertensive adolescents. Hagberg JM, et al. **J Pediatr** 1984 Jan;104(1):147–51
Sternoclavicular epiphyseal separation with adjacent clavicular fracture. Lemire L, et al. **J Pediatr Orthop** 1984 Jan;4(1):118–20
Aggression in professional ice hockey: a strategy for success or a reaction to failure? Widmeyer WN, et al. **J Psychol** 1984 May;117(1st Half):77–84
Custom made mouthguards for contact sports players. Natt P. **J R Soc Health** 1983 Oct;103(5):180
Moped accidents in South Carolina. McHugh TP, et al. **J SC Med Assoc** 1983 Dec;79(12):675–8
The nursing role in the Special Olympic program. Maxwell BM. **J Sch Health** 1984 Mar;54(3):131–3
Tennis foot drop. Barbour PJ, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):427–8
Specificity among anaerobic power tests in male athletes. Beckenholdt SE, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):326–32
Prognostic evaluation of conduction disturbances in athletes: a five years experience with non–invasive and invasive procedures. Fenici R, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):450–60
Dance and sports compared: effects on psychological well–being. Gurley V, et al. **J Sports Med Phys Fitness** 1984 Mar;24(1):58–68
Physique of hockey, Kabaddi, basketball and volleyball players. Kansal DK, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):194–200
Optimization mechanisms of cardiorespiration system at maximal exercise in athletes. Karpman VL. **J Sports Med Phys Fitness** 1983 Dec;23(4):393–8
Abnormal ECG findings and heart function examined by non–invasive methods in a group of athletes. Karvonen J, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):364–72
Physiological basis for selection of competitive road cyclists. Malhotra MS, et al. **J Sports Med Phys Fitness** 1984 Mar; 24(1):49–57
Prediction of body composition in female athletes. Mayhew JL, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):333–40
Orthetic experiences in sportsmen's metatarsalgias. Santilli G, et al. **J Sports Med Phys Fitness** 1983 Dec;23(4):404–10
Vitamin E and athletic performance. Shephard RJ. **J Sports Med Phys Fitness** 1983 Dec;23(4):461–70
Effect of hard physical training on the cardio–vascular system of the Indian women hockey players. Sidhu LS, et al. **J Sports Med Phys Fitness** 1984 Mar;24(1):37–40
Posture and participation in sport. Watson AW. **J Sports Med Phys Fitness** 1983 Sep;23(3):231–9
A system for measuring energy cost during highly dynamic activities. Wilson GD, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):155–8
Physiological and pharmacological tests in the electrocardiographic investigation of athletes: a modern approach to an old problem. Zeppilli P, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):240–52
Interrelationship of pregnancy and athletic performance. Diddle AW. **J Tenn Med Assoc** 1984 May;77(5):265–9 (78 ref.)
Roller skating accidents and injuries. Sedlin ED, et al. **J Trauma** 1984 Feb;24(2):136–9
Leads from MMWR. Carbon monoxide intoxication associated with use of a resurfacing machine at an ice–skating rink. **JAMA** 1984 Feb 24;251(8):1016
Citius, Altius, Fortius [editorial] Dan BB. **JAMA** 1984 Jul 27;252(4):527
Use of androgenic anabolic steroids by athletes [letter] Frankle MA, et al. **JAMA** 1984 Jul 27;252(4):482
Changes in lipid and lipoprotein levels after weight training. Goldberg L, et al. **JAMA** 1984 Jul 27;252(4):504–6
Olympics drug testing: basis for future study [news] Gunby P. **JAMA** 1984 Jul 27;252(4):454–5, 459–60
A medical team goes to Olympics [news] Gunby P. **JAMA** 1984 Jul 27;252(4):453–4
High–density–lipoprotein cholesterol in bodybuilders v powerlifters. Negative effects of androgen use. Hurley BF, et al. **JAMA** 1984 Jul 27;252(4):507–13
Use of anabolic steroids by athletes [letter] Johnson DA. **JAMA** 1984 Mar 16;251(11):1430–1
Mechanical and physiological evaluation of exercise performance in elite national rowers. Mahler DA, et al. **JAMA** 1984 Jul 27;252(4):496–9
A natural history of athleticism and cardiovascular health. Paffenbarger RS Jr, et al. **JAMA** 1984 Jul 27;252(4):491–5
Air pollutants might aggravate athletes' asthma, allergies [news] Prescott LM. **JAMA** 1984 May 18;251(19):2496
Causes and remedies for drug misuse and abuse by athletes. Ryan AJ. **JAMA** 1984 Jul 27;252(4):517–9
Physiological profile of national–class National Collegiate Athletic Association fencers. Vander LB, et al. **JAMA** 1984 Jul 27;252(4):500–3
Transmission of herpes simplex virus type 1 infection in rugby players. White WB, et al. **JAMA** 1984 Jul 27;252(4):533–5
Athlete's heart: is big bad or can it be benign? [editorial] **Lancet** 1984 Sep 15;2(8403):613–4
Bradycardia, ventricular pauses, syncope, and sports. Ector H, et al. **Lancet** 1984 Sep 15;2(8403):591–4
Risks of fishermen's dyes [letter] Hinton AJ. **Lancet** 1984 May 26;1(8387):1179
Sudden death and sport [letter] Northcote RJ, et al. **Lancet** 1984 Jan 14;1(8368):113
Sudden death in squash players. Northcote RJ, et al. **Lancet** 1984 Jan 21;1(8369):148–50
Amenorrhoea in vegetarian athletes [letter] Slavin J, et al. **Lancet** 1984 Jun 30;1(8392):1474–5
1984 American College of Sports Medicine annual meeting abstracts. May 23–26, San Diego, California. **Med Sci Sports Exerc** 1984 Apr;16(2):103–205
A mechanical analysis of a special class of rebound phenomena. Andrews JG. **Med Sci Sports Exerc** 1983; 15(3):256–66
Specificity of physiologic adaptations resulting from ice–hockey training. Daub WB, et al. **Med Sci Sports Exerc** 1983;15(4):290–4
Soccer injuries and their mechanisms: a prospective study. Ekstrand J, et al. **Med Sci Sports Exerc** 1983;15(3):267–70
Exercise respiratory pattern in elite cyclists and sedentary subjects. Folinsbee LJ, et al. **Med Sci Sports Exerc** 1983; 15(6):503–9
Resultant tennis ball velocity as a function of off–center impact and grip firmness. Grabiner MD, et al. **Med Sci Sports Exerc** 1983;15(6):542–4
Physiological determinants of endurance performance as studied in competitive racewalkers. Hagberg JM, et al. **Med Sci Sports Exerc** 1983;15(4):287–9
Differential effects of running and weight–lifting on the rat coronary arterial tree. Ho KW, et al. **Med Sci Sports Exerc** 1983;15(6):472–7
Mechanical analysis of racket and ball during impact. Liu YK. **Med Sci Sports Exerc** 1983;15(5):388–92
Kinematic analysis and efficiency estimate of intercollegiate female rowers. Nelson WN, et al. **Med Sci Sports Exerc** 1983;15(6):535–41
Physiological characteristics of high–ability prepubescent wrestlers. Sady SP, et al. **Med Sci Sports Exerc** 1984; 16(1):72–6
Behavioral assessment in youth sports: coaching behaviors and children's attitudes. Smith RE, et al. **Med Sci Sports Exerc** 1983;15(3):208–14
The physique of sportsmen: a study using factor analysis. Watson AW. **Med Sci Sports Exerc** 1984 Jun;16(3):287–93
The mechanics of foot action during the golf swing and implications for shoe design. Williams KR, et al. **Med Sci Sports Exerc** 1983;15(3):247–55
Predicting successful behavior indicators in an athletic contest. Stillner V, et al. **Milit Med** 1983 Aug;148(8):668–72
Carbon monoxide intoxication associated with use of a gasoline–powered resurfacing machine at an ice–skating rink — Pennsylvania. **MMWR** 1984 Feb 3;33(4):49–51
Taking aim in baseball [letter] **N Engl J Med** 1984 Apr 26; 310(17):1128–9
Bone mineral content of amenorrheic and eumenorrheic athletes. Drinkwater BL, et al. **N Engl J Med** 1984 Aug 2;311(5):277–81
Bimanual dexterity in baseball players [letter] Hemenway D. **N Engl J Med** 1983 Dec 22;309(25):1587–8
Baseball lessons for nurses. Lloyd M. **Nurs Outlook** 1984 Jul–Aug;32(4):200–3
Prevention and treatment of sports injuries. Greene JC. **Nurse Pract** 1983 Nov–Dec;8(10):39–40, 44, 80
The Special Olympics. Maxwell BM. **Nurse Pract** 1983 Nov–Dec;8(10):65, 68
The longevity of international rugby players. Beaglehole R, et al. **NZ Med J** 1983 Jul 13;96(735):513–5
Pedal cycle accidents [letter] McKenna S, et al. **NZ Med J** 1984 Sep 26;97(764):657–8
Emotional calisthenics. Cummins GD. **Ohio State Med J** 1983 Sep;79(9):683–5
Conditioning. How to medically advise the 'week–end' (and other assorted) athletes. Edwards KS. **Ohio State Med J** 1983 Sep;79(9):687–9
American Academy of Pediatrics. Committee on Children with Disabilities and Committee on Sports Medicine. The asthmatic child's participation in sports and physical education. **Pediatrics** 1984 Jul;74(1):155–6
Sports and the child with epilepsy. **Pediatrics** 1983 Dec; 72(6):884–5
Medical history associated with adolescent powerlifting. Brown EW, et al. **Pediatrics** 1983 Nov;72(5):636–44
Competition trait anxiety in youth sport: differences according to age, sex, race and playing status. Smith T. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1235–8
Effects of skill level and sensory information on golf putting. Wannebo M, et al. **Percept Mot Skills** 1984 Apr;58(2):611–3
A comparison between fenoprofen calcium and naproxen sodium in the treatment of soft tissue sports injuries. Mann PG. **Pharmatherapeutica** 1983;3(7):499–504
World cup hockey. Whitney S. **Physiotherapy** 1983 Nov; 69(11):390–2
Heat stress and the young athlete. Recognizing and reducing the risks. Beyer CB. **Postgrad Med** 1984 Jul;76(1):109–12
Tennis for senior citizens. Pilot program to promote fitness. Branham G, et al. **Postgrad Med** 1984 May;75(6):199–203
Exercise–induced changes in plasma lipids and lipoproteins. Haskell WL. **Prev Med** 1984 Jan;13(1):23–36 (63 ref.)
Symposium on sports medicine. **Primary Care** 1984 Mar; 11(1):1–198
Skin lesions related to sports activity. Basler RS. **Primary Care** 1983 Sep;10(3):479–94 (80 ref.)
Dermatologic problems in athletes. Bergfeld WF. **Primary Care** 1984 Mar;11(1):151–60
Nutrition and athletic performance. Smith NJ. **Primary Care** 1984 Mar;11(1):33–42
The dynamics and prevention of stress–induced burnout in athletics. Smith RE. **Primary Care** 1984 Mar;11(1):115–27
Cardiovascular evaluation of the young athlete. Strong WB, et al. **Primary Care** 1984 Mar;11(1):61–75
The 'double tackle'—another cause of serious cervical spinal injury in rugby players. Case reports. Scher AT. **S Afr Med J** 1983 Oct 1;64(15):595–6
Rugby injuries to the cervical spinal cord sustained during rucks and mauls. Case reports. Scher AT. **S Afr Med J** 1983 Oct 1;64(15):592–4
Preliminary report—sports injury clinic. Dowey KE. **Ulster Med J** 1984;53(1):88–92
[Our approach to the surgical treatment of juvenile aseptic osteochondronecrosis in the head of the 2d metatarsus in young athletes] Skrabal J, et al. **Acta Chir Orthop Traumatol Czech** 1984 Apr;51(2):133–7 (Eng. Abstr.) (Cze)
[Abnormal vascular reflexes in water slalom competitors] Figar S, et al. **Cesk Fysiol** 1984;33(3):246–54 (Cze)
[Degenerative changes in the spine in leading athletes] Blažek O, et al. **Cesk Radiol** 1983 Nov;37(6):383–8 (Eng. Abstr.) (Cze)
[An unusual picture of ischemic heart disease in a young athlete] Stejfa M, et al. **Vnitr Lek** 1983 Nov;29(11):1119–25 (Eng. Abstr.) (Cze)
[Soccer injuries in old boys' games] Hinge HH, et al. **Ugeskr Laeger** 1984 Apr 16;146(16):1253–6 (Eng. Abstr.) (Dan)
[Isolated bicycle accidents] Jensen CH. **Ugeskr Laeger** 1983 Sep 19;145(38):2957–60 (Eng. Abstr.) (Dan)

[Bicycle-wheel injuries in the Odense district. A combined registration, observation and interview study] Mogensen H, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):222–5 (Eng. Abstr.) (Dan)
[The risk of dying during sports activities] Dolmans AJ, et al. **Ned Tijdschr Geneeskd** 1984 Mar 31;128(13):595–8 (Eng. Abstr.) (Dut)
[Cardiac rehabilitation: a 5-year follow-up study of mental functioning, work resumption, smoking habits and sports activities] Erdman RA, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):846–51 (Eng. Abstr.) (Dut)
[Special food preparations for athletes: sense or nonsense?] Kuipers H. **Ned Tijdschr Geneeskd** 1983 Dec 31; 127(53):2419–20 (Dut)
[Contra-indications to sports activities in cardiac patients] Rivière A, et al. **Ann Cardiol Angeiol (Paris)** 1984 Apr; 33(3):145–51 (44 ref.) (Eng. Abstr.) (Fre)
[The practice of judo and the risk of fungal contamination] Badillet G, et al. **Ann Dermatol Venereol** 1982;109(8):661–4 (Eng. Abstr.) (Fre)
[Contraception—sports] Dutry, et al. **Arch Belg** 1983; 41(11–12):504–10 (Fre)
[Long-term evaluation, physical and sports activities after correction of Fallot's tetralogy] Bouhour JB, et al. **Arch Mal Coeur** 1984 May;77(5):543–9 (Eng. Abstr.) (Fre)
[Risks of early intensive sports training] Personne J, et al. **Bull Acad Natl Med (Paris)** 1983 Mar;167(3):207–14 (Eng. Abstr.) (Fre)
[Development, evaluation and application of a dynamometric system of skates] Lamontagne M, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):169–79 (Eng. Abstr.) (Fre)
[Decision strategy as a function of event probability: 2. Latency of the decision and covering the field] Proteau L, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):158–68 (Eng. Abstr.) (Fre)
[Traumatic pulmonary evisceration in a child. Apropos of 2 cases] Petel B, et al. **Chir Pediatr** 1984;25(2):79–82 (Eng. Abstr.) (Fre)
[Effect of sports on the HDL cholesterol level in the Senegalese] Cisse F, et al. **Dakar Med** 1983;28(4):621–6 (Eng. Abstr.) (Fre)
[Lipid evaluation and physical activity in healthy Senegalese] Faye B, et al. **Dakar Med** 1983;28(4):615–9 (Eng. Abstr.) (Fre)
[Propagation rate of arterial pressure waves as a function of age and physical training] Eugéne M, et al. **J Physiol (Paris)** 1982–83;78(9):821–6 (Eng. Abstr.) (Fre)
[Windsurfing, free-style wave jumping: pathology] Dutoit M, et al. **LARC Med** 1984 Feb;4(2):115–6 (Fre)
[Sports and the child] Fontaine G. **LARC Med** 1984 Jan; 4(1):45–6, 49, 51–2 (Fre)
[Electromyographic study on a simulator of the practice of windsurfing] Loquet H, et al. **LARC Med** 1984 May; 4(5):306, 309–10, 312 (Fre)
[Magnesium and sports] Niquet G, et al. **LARC Med** 1984 Mar;4(3):165–72 (Fre)
[Results of a nutritional survey among French athletes] Klepping J, et al. **Schweiz Z Sportmed** 1984 Mar;32(1):15–9 (Eng. Abstr.) (Fre)
[Measurement of physical capacity in senior sports using motor criteria] Hannig G. **Aktuel Gerontol** 1983 Sep; 13(5):201–4 (Eng. Abstr.) (Ger)
[Value and possibilities of somatotype determination in young athletes] Wutscherk H. **Arztl Jugendkd** 1983 Oct; 74(5):330–44 (Eng. Abstr.) (Ger)
[Effect of heading in soccer on the head—a quantifying EEG study of soccer players] Kröss R, et al. **EEG EMG** 1983 Dec;14(4):209–12 (Eng. Abstr.) (Ger)
[Bilateral wrist joint arthrosis in a figure skater] Weigert M, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):56–8 (Eng. Abstr.) (Ger)
[Objectification of the training effect of sports therapy for wheelchair users] Koch I, et al. **Int J Rehabil Res** 1983 Dec;6(4):439–48 (Eng. Abstr.) (Ger)
[Influence of sports on development of 10 and 11-year-old boys. I. Body composition, anthropometry and creatinine excretion] Haschke F, et al. **Klin Padiatr** 1984 Jan–Feb; 196(1):1–8 (Eng. Abstr.) (Ger)
[Influence of sports on development of 10 and 11-year-old boys. II. Spiroergometry] Popow C, et al. **Klin Padiatr** 1984 Jan–Feb;196(1):9–13 (Eng. Abstr.) (Ger)
[Gerontologic sports medicine] Biener K, et al. **Med Welt** 1983 Sep 2;34(35):919–22 (Ger)
[Sudden death in sports] Wybitul K, et al. **Med Welt** 1983 Oct 7;34(40):1098–102 (Ger)
[Prevention of aging and sports medicine. The Zurich senior sports study] Biener K, et al. **MMW** 1983 Aug 26; 125(34):727–8 (Ger)
[Effect of drugs on physical exertion and the hormonal system of athletes. 2.] Forgo I. **MMW** 1983 Sep 23; 125(38):822–4 (Ger)
[Sports therapy in depressive conditions] Glatthaar G. **MMW** 1983 Oct 14;125(41):895–6 (Ger)
[Value of sports and sports medicine in current times] Konopka P. **MMW** 1983 Oct 14;125(41):883–5 (Ger)
[Tennis-specific injuries and lesions of the lower extremity] Paulsen J, et al. **MMW** 1984 Feb 3;126(5):106–8 (Eng. Abstr.) (Ger)
[Athletic activity of persons with hypertension] Rost R. **MMW** 1983 Nov 11;125(45):1025–8 (19 ref.) (Eng. Abstr.) (Ger)
[Sailing with the handicapped] Zimmermann R, et al. **Rehabilitation (Stuttg)** 1983 Nov;22(4):166–8 (Eng. Abstr.) (Ger)
[Heberden arthroses in judo athletes] Frey A, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):40–7 (Eng. Abstr.) (Ger)
[Sports and coronary heart disease] Howald H. **Schweiz Med Wochenschr** 1984 Jan 21;114(3):110–2 (Eng. Abstr.) (Ger)
[Sport injuries in soccer goal-keepers] Berbig R, et al. **Schweiz Z Sportmed** 1983 Sep;31(3):73–9 (Eng. Abstr.) (Ger)
[Beta blockers and sports] Boutellier U. **Schweiz Z Sportmed** 1984 Jun;32(2):49–59 (Eng. Abstr.) (Ger)
[Morphologic and functional changes of muscle fibers during training] Howald H. **Schweiz Z Sportmed** 1984 Mar; 32(1):5–14 (Eng. Abstr.) (Ger)
[The juvenile spine and its modification by sports] Jani L. **Schweiz Z Sportmed** 1983 Dec;31(4):114–8 (Eng. Abstr.) (Ger)
[Long-term electrocardiogram study of glider pilots] Maire R, et al. **Schweiz Z Sportmed** 1984 Jun;32(2):37–43 (Eng. Abstr.) (Ger)
[Sex differences in sports performance] Bausenwein I. **Ther Umsch** 1983 Jul;40(7):589–95 (Eng. Abstr.) (Ger)
[Performance of the female during the menstrual cycle] Hauser GA. **Ther Umsch** 1983 Jul;40(7):596–9 (Eng. Abstr.) (Ger)
[The diabetic patient and sports: references and guidelines for daily practice] Kemmer FW, et al. **Ther Umsch** 1983 Oct;40(10):875–82 (Eng. Abstr.) (Ger)
[Subcutaneous ruptures of the Achilles tendon. Follow-up results according to standardized procedure] Gebert L, et al. **Unfallheilkunde** 1983 Dec;86(12):525–30 (Eng. Abstr.) (Ger)
[Compression fracture of the vertebral body following trauma from lifting heavy weights] Linde HU. **Unfallheilkunde** 1983 Oct;86(10):455–7 (Eng. Abstr.) (Ger)
[Risk of brain injury from soccer header] Schneider K. **Unfallheilkunde** 1984 Jan;87(1):40–2 (Eng. Abstr.) (Ger)
[Inclusion of organized sports in long-term rehabilitation of severely disabled persons based on the example of the paraplegic patient] Arnold W, et al. **Z Gesamte Hyg** 1984 Feb;30(2):125–8 (Eng. Abstr.) (Ger)
[Incidence of hypertension in 810 male sportsmen] Lehmann M, et al. **Z Kardiol** 1984 Mar;73(3):137–41 (Eng. Abstr.) (Ger)
[Simultaneous determination of hemodynamics and plasma catecholamines in trained and untrained subjects and patients with contraction disorders of the heart during rest and physical activity] Lehmann M, et al. **Z Kardiol** 1983 Oct;72(10):561–8 (Eng. Abstr.) (Ger)
[Leisure activity accidents in childhood—roller skating, bicycling and skateboard injuries] Schütze U, et al. **Z Kinderchir** 1983 Apr;38 Suppl:44–7 (Eng. Abstr.) (Ger)
[Sports in old age from the orthopedic viewpoint] Apel J, et al. **ZFA** 1983 Nov–Dec;38(6):427–33 (Eng. Abstr.) (Ger)
[Iliopsoas injury in soccer players] Mozes M, et al. **Harefuah** 1984 May 1;106(9):396–8 (Eng. Abstr.) (Heb)
[The peripheral component during dynamic muscular exertion: study of a group of basketball players] Calsamiglia G, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):589–93 (Eng. Abstr.) (Ita)
[The cost of energy and cardiovascular expenditure in basketball players during a game] Rossi A, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):581–7 (Eng. Abstr.) (Ita)
[Traumatic maxillofacial lesions in rugby, soccer and horseback riding] Re G, et al. **Minerva Stomatol** 1984 May–Jun;33(3):533–5 (Eng. Abstr.) (Ita)
[Menstrual characteristics in college athletes] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb; 36(2):247–54 (Eng. Abstr.) (Jpn)
[Delayed menarche following early onset of athletic sports training] Mesaki N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):49–56 (Eng. Abstr.) (Jpn)
[Case of suprascapular nerve palsy manifesting as selective atrophy of the infraspinatus muscle in an archery player] Hashimoto K, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):970–3 (Eng. Abstr.) (Jpn)
[Acute kidney failure in a participant in a demanding bicycle race] Brandt E. **Tidsskr Nor Laegeforen** 1983 Jun 20; 103(17–18):1379–80 (Eng. Abstr.) (Nor)
[Bicycles and head injuries. A prospective study from Trøndelag 1979–1980] Cappelen J, et al. **Tidsskr Nor Laegeforen** 1983 Jun 20;103(17–18):1376–8 (Eng. Abstr.) (Nor)
[Effect of muscular exertion on lipid metabolism] Górski J. **Pol Tyg Lek** 1984 Feb 27;39(9):299–303 (45 ref.) (Pol)
[Effect of increased motor activity on changes in posture during puberty] Woynarowska B, et al. **Probl Med Wieku Rozwoj** 1979;8:27–35 (Eng. Abstr.) (Pol)
[Evaluation of coronary disease risk factors in men aged 30–59 years systematically engaged in sports] Drygas W, et al. **Przegl Lek** 1983;40(9):659–63 (Eng. Abstr.) (Pol)
[Traumatic rupture of the testis] Musierowicz A, et al. **Wiad Lek** 1984 Feb 1;37(3):227–9 (Eng. Abstr.) (Pol)
[Sudden cardiovascular death in athletes. Cause and prevention] Leite PF. **Arq Bras Cardiol** 1983 Aug; 41(2):143–7 (15 ref.) (Por)
[Neurohumoral regulation of immune homeostasis during adaptation to extreme loads in a modern sports model] Kassil' GN, et al. **Dokl Akad Nauk SSSR** 1984;275(2):506–9 (Rus)
[Echocardiogram of young athletes] Il'nitskiĭ VI. **Kardiologiia** 1984 Mar;24(3):116–7 (Rus)
[Bone marrow of athletes] Matvienko LA. **Lab Delo** 1983; (10):5–7 (Eng. Abstr.) (Rus)
[Year-round outdoor sports in sports clothes as a factor in invigorating preschool children] Ivanova OG, et al. **Pediatriia** 1983 Sep;(9):49–53 (Rus)
[Annual changes in the body height and weight of schoolchildren as a function of their biological maturity and level of motor activity] Sautkin MF. **Pediatriia** 1984 Mar;(3):55–6 (Rus)
[Androgenic function of the adrenal cortex in girl athletes with retarded sexual development] Levenets SA, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):35–8 (Eng. Abstr.) (Rus)
[Diagnosis and treatment of Mondor's disease in sportsmen] Greida BP, et al. **Vestn Khir** 1983 Nov;131(11):82 (Rus)
[Effect of physical training on nonspecific mechanisms of adaptation] Sapov IA, et al. **Voen Med Zh** 1984 Jan;(1):41–3 (Rus)
[Sports medicine aspects of windsurfing] Medved R. **Lijec Vjesn** 1984 Jun;106(6):254–6 (Eng. Abstr.) (Scr)
[Pickwickian syndrome in former athletes] Stanić R. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):37–44 (Eng. Abstr.) (Scr)
[Physical training and rehabilitation in gynecology and obstetrics] **Cesk Gynekol** 1984 Mar;49(2):136–58 (Slo, Cze)
[Analysis of athletic injuries and the cost to society at a northern health care region. Soccer is the cause of most of the injuries but badminton is the most expensive] Lorentzon R, et al. **Lakartidningen** 1984 Feb 1;81(5):340–3 (Swe)
[Cardiovascular risks in connection with exercise] Vuori I. **Nord Med** 1984;99(6–7):174–6 (Eng. Abstr.) (Swe)
[A copro-parasitological study on the wrestlers of the national team] Sahin I, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):114–8 (Eng. Abstr.) (Tur)

HISTORY

Karate: historical perspective and injuries sustained in national and international tournament competitions. Stricevic MV, et al. **Am J Sports Med** 1983 Sep–Oct; 11(5):320–4
James Naismith (1861–1939). Shampo MA, et al. **JAMA** 1983 Dec 23–30;250(24):3335

SPORTS MEDICINE

see related
ATHLETIC INJURIES
PROTECTIVE DEVICES

The qualification/disqualification process in athletics. Tucker JB, et al. **Am Fam Physician** 1984 Feb;29(2):149–54
The prevention of heat disorders in sports. Smith NJ. **Am J Dis Child** 1984 Aug;138(8):786–90
Perspectives on sports medicine. Gartland JJ. **Am J Sports Med** 1983 Nov–Dec;11(6):456–61
Current cardiology problems in sports medicine. Grossman M, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):262–7
Chronic calcaneal pain in athletes: entrapment of the calcaneal nerve? Henricson AS, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):152–4
Performance measurement and percent body fat in the high school athlete. McLeod WD, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):390–7
Wheelchair sports medicine. Madorsky JG, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):128–32
Chronic leg pain in athletes due to a recurrent compartment syndrome. Marters MA, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):148–51
Cognitive potentials and skill acquisition in sports. Gioux M, et al. **Ann NY Acad Sci** 1984;425:465–9
How do marathon runners fare? Porter AM. **Br J Sports Med** 1984 Mar;18(1):46
Beyond the surgery. Quadrathon. Smith C. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):291–2
Activity-generated endorphins: a review of their role in sports science. Allen M. **Can J Appl Sport Sci** 1983 Sep; 8(3):115–33 (186 ref.)
The pre-participation examination of the young athlete. Defining the essentials. Runyan DK. **Clin Pediatr (Phila)** 1983 Oct;22(10):674–9
Symposium on pediatric and adolescent sports medicine. **Clin Sports Med** 1982 Nov;1(3):341–527
Dermatologic problems in athletes. Bergfeld WF. **Clin Sports Med** 1982 Nov;1(3):419–30 (29 ref.)
The Amateur Sports Act of 1978—implications for sports medicine. Clarke KS. **Clin Sports Med** 1983 Mar;2(1):7–11
Olympic sports medicine: a unifying force. Dardik II. **Clin Sports Med** 1983 Mar;2(1):5–6
The athlete with asthma and allergies. Kolski GB. **Clin Sports Med** 1982 Nov;1(3):397–407 (34 ref.)
Nutritional care of the pediatric athlete. Ziegler MM.

Clin Sports Med 1982 Nov;1(3):371–81
Comparative echocardiographic studies in leading canoe-kayak and handball sportsmen. Csanády M, et al. **Cor Vasa** 1984;26(1):32–7
The use of strain gauges for biometrics in Europe. Calderale PM. **Eng Med** 1983 Jul;12(3):117–33 (64 ref.)
Hypertrophic cardiomyopathy: a common cause of sudden death in the young competitive athlete. Maron BJ, et al. **Eur Heart J** 1983 Nov;4 Suppl F:135–44
Pubic pain syndrome in sportsmen: comparison of radiographic and scintigraphic findings. Le Jeune JJ, et al. **Eur J Nucl Med** 1984;9(6):250–3
Evaluation of the state and potential capacity of athletes on the basis of humoral-hormonal tests. Kassil GN. **Hum Physiol** 1983 May–Jun;9(3):162–9
Exercise and asthma in athletes. Dold HJ. **IMJ** 1983 Aug; 164(2):134–7 (24 ref.)
International Congress on Sports and Health. Maastricht, The Netherlands, 22–23–24 September 1983. Abstracts. **Int J Sports Med** 1983;Spec No:1–25
Sports medicine and drug control programs of the U.S. Olympic Committee. Clarke KS. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):740–4
ENT and aquatics. Caplan CH. **J Am Coll Health** 1983 Jun; 31(6):243–6
AOA Sports Vision Section screening of basketball officials. Harris PA, et al. **J Am Optom Assoc** 1984 Feb;55(2):130–4, 141
Breathing patterns during submaximal and maximal exercise in elite oarsmen. Clark JM, et al. **J Appl Physiol** 1983 Aug; 55(2):440–6
Effect of exercise on left ventricular diastolic filling in athletes and nonathletes. Matsuda M, et al. **J Appl Physiol** 1983 Aug;55(2):323–8
The effects of hemoglobin supplements on maximal oxygen uptake in females. Miller E, et al. **J Manipulative Physiol Ther** 1983 Dec;6(4):189–95
Comparison of 3 protocols of determination of direct VO2max amongst 12 sportsmen. Potiron-Josse M. **J Sports Med Phys Fitness** 1983 Dec;23(4):429–35
Physicians and the Olympics [editorial] Koplan JP, et al. **JAMA** 1984 Jul 27;252(4):529–30
Sudden death in squash players [letter] **Lancet** 1984 Feb 18; 1(8373):393–4
Symposium on sports medicine [editorial] Henderson ED. **Mayo Clin Proc** 1984 Feb;59(2):126
1984 American College of Sports Medicine annual meeting abstracts. May 23–26, San Diego, California. **Med Sci Sports Exerc** 1984 Apr;16(2):103–205
Body composition of oligo/amenorrheic athletes. Carlberg KA, et al. **Med Sci Sports Exerc** 1983;15(3):215–7
Anaerobic threshold measurements of elite oarsmen [letter] McDavid RF. **Med Sci Sports Exerc** 1983;15(3):IX
Effect of glycerol feeding on endurance and metabolism during prolonged exercise in man. Miller JM, et al. **Med Sci Sports Exerc** 1983;15(3):237–42
Biological determinants of the sex difference in 12-min run performance. Sparling PB, et al. **Med Sci Sports Exerc** 1983; 15(3):218–23
The mechanics of foot action during the golf swing and implications for shoe design. Williams KR, et al. **Med Sci Sports Exerc** 1983;15(3):247–55
Team dentist. The New York Jets. Tucker ME. **NY State Dent J** 1984 May;50(5):304–5
The relationship of exercise to anovulatory cycles in female athletes: hormonal and physical characteristics. Russell JB, et al. **Obstet Gynecol** 1984 Apr;63(4):452–6
American Academy of Pediatrics Committee on Sports Medicine: Participation in boxing among children and young adults. **Pediatrics** 1984 Aug;74(2):311–2
Sports and the child with epilepsy [letter] Berman W. **Pediatrics** 1984 Aug;74(2):320–1
Probing the limits of human deep diving. Bennett PB, et al. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7;304(1118):105–17
U.K. deep diving trials. Hempleman HV, et al. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7;304(1118):119–41
Norwegian deep diving trials. Tønjum S. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7;304(1118):143–9
Shoulder injuries in the athlete. Anderson TE. **Primary Care** 1984 Mar;11(1):129–36
Ligamentous injuries of the knee. Andrish JT. **Primary Care** 1984 Mar;11(1):77–88
Dermatologic problems in athletes. Bergfeld WF. **Primary Care** 1984 Mar;11(1):151–60
Brain and cervical spine injuries occurring during organized sports activities in children and adolescents. Bruce DA, et al. **Primary Care** 1984 Mar;11(1):175–94
Ophthalmologic injuries. Diamond GR, et al. **Primary Care** 1984 Mar;11(1):161–74
Exercise prescription for the healthy adult. Kirkendall DT. **Primary Care** 1984 Mar;11(1):23–31
Pre-participation physical evaluation. Lombardo JA. **Primary Care** 1984 Mar;11(1):3–21
Rehabilitation and return to activity after sports injuries. Long JP. **Primary Care** 1984 Mar;11(1):137–50
The concept of overuse. The primary care aspects of overuse syndromes in sports. McKeag DB. **Primary Care** 1984 Mar; 11(1):43–59
Menstrual disturbances in the athlete. Shangold MM. **Primary Care** 1984 Mar;11(1):109–14
[Cardiopulmonary functions during maximal exercise in young Chinese athletes and non-athletes] Lai JS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):196–205 (Eng. Abstr.) **(Chi)**
[Sports with a total prosthesis of the hip joint] Dubs L, et al. **Schweiz Z Sportmed** 1984 Mar;32(1):20–4 (Eng. Abstr.) **(Ger)**
[The operated and injured spine and its significance for sports and military duty] Magerl F. **Schweiz Z Sportmed** 1983 Dec;31(4):125–7 (Eng. Abstr.) **(Ger)**
[The importance of ophthalmologic examination in the practice of sport medicine] Horváth L, et al. **Orv Hetil** 1984 Mar 11;125(11):649–51 (Eng. Abstr.) **(Hun)**
[Iron, copper and manganese balance in the body of young athletes] Nasolodin VV, et al. **Gig Sanit** 1983 Jul;(7):25–9 (Eng. Abstr.) **(Rus)**
[Effect of sports activities on the physical development of schoolchildren] Solov'ev VN. **Gig Sanit** 1983 Jun;(6):35–40 (Eng. Abstr.) **(Rus)**
[Tissue oxygenation in clinical variants of lumbar vertebrogenic pain] Gerasimov AA, et al. **Ortop Travmatol Protez** 1984 Mar;(3):17–20 (Eng. Abstr.) **(Rus)**
[Echocardiographic study in athletes] Vicuña JP, et al. **Rev Med Chil** 1983 Feb;111(2):134–7 (Eng. Abstr.) **(Spa)**

EDUCATION

Use of a sports medicine clinic in a family practice residency. Davenport MP, et al. **J Fam Pract** 1984 Aug;19(2):225–8

HISTORY

The history of sports medicine. Part 2. Jackson DW. **Am J Sports Med** 1984 Jul–Aug;12(4):255–7
The history of sports medicine. Part I. Snook GA. **Am J Sports Med** 1984 Jul–Aug;12(4):252–4
[100 years of sports medicine] Hollmann W. **Fortschr Med** 1983 Oct 6;101(37):1660–3 **(Ger)**

METHODS

Emotional calisthenics. Cummins GD. **Ohio State Med J** 1983 Sep;79(9):683–5
Conditioning. How to medically advise the 'week-end' (and other assorted) athletes. Edwards KS. **Ohio State Med J** 1983 Sep;79(9):687–9

STANDARDS

Identification and assessment of the child for sports participation: a cardiovascular approach. Galioto FM Jr. **Clin Sports Med** 1982 Nov;1(3):383–96
[Deontologic aspects of sports medicine] Sobolevskiĭ VI. **Klin Med (Mosk)** 1983 Sep;61(9):9–12 (12 ref.) (Eng. Abstr.) **(Rus)**

TRENDS

Presidential address of the American Orthopaedic Society for Sports Medicine. O'Connor GA. **Am J Sports Med** 1983 Nov–Dec;11(6):375–8
Sports medicine: its past, present and future. Percy EC. **Ariz Med** 1983 Nov;40(11):789–92
[Value of sports and sports medicine in current times] Konopka P. **MMW** 1983 Oct 14;125(41):883–5 **(Ger)**
[Physical fitness as the integral part of all-round improvement of man and the Soviet way of life] Chikin SIa. **Vestn Akad Med Nauk SSSR** 1983;(7):49–54 **(Rus)**

SPOUSE ABUSE

Coping with domestic violence: social support and psychological health among battered women. Mitchell RE, et al. **Am J Community Psychol** 1983 Dec;11(6):629–54
Is she a battered woman? A guide for emergency response. Greany GD. **Am J Nurs** 1984 Jun;84(6):724–7
Battered wife syndrome [letter] Ioannou S. **Can Med Assoc J** 1984 Jun 15;130(12):1526
Battered wife syndrome. Swanson RW. **Can Med Assoc J** 1984 Mar 15;130(6):709–12
Empathic responding in children of battered mothers. Hinchey FS, et al. **Child Abuse Negl** 1982;6(4):395–401
Teaching family practice residents to identify and treat battered women. Mandel JB, et al. **J Fam Pract** 1983 Oct; 17(4):708, 712, 715, passim
Reactions to alcohol-related marital violence. Effects of one's own abuse experience and alcohol problems on causal attributions. Corenblum B. **J Stud Alcohol** 1983 Jul; 44(4):665–74
Social problems encountered in the rehabilitation of physically-abused women: two case reports. Loke Kwok Hien, et al. **Med J Malaysia** 1983 Sep;38(3):232–6
The innocent bystander: the child as unintended victim of domestic violence involving deadly weapons. Nelson KG. **Pediatrics** 1984 Feb;73(2):251–2
Aggression in battered and non-battered women as reflected in the Hand Test. Dalton DA, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):703–9
[Physical violence to women by their consorts. A prospective study] Aalberg JR, et al. **Ugeskr Laeger** 1984 Apr 16; 146(16):1241–4 (Eng. Abstr.) **(Dan)**
[Accidents due to violence in Arhus over the period of a year. II. Violence and women] Charles AV, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3934–8 (Eng. Abstr.) **(Dan)**
[Children of abused wives—structure and dynamics of abuse families. Family dynamics experiences in a house for families] Buddeberg B. **Prax Kinderpsychol Kinderpsychiatr** 1983 Nov–Dec; 32(8):273–7 (Eng. Abstr.) **(Ger)**
[Wife abuse. A study from general practice] Malterud K, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):743–5 (Eng. Abstr.) **(Nor)**

LEGISLATION & JURISPRUDENCE

Crisis intervention in interpartner abuse. Felthous AR. **Bull Am Acad Psychiatry Law** 1983;11(3):249–60

PREVENTION & CONTROL

The specific deterrent effects of arrest for domestic assault. Sherman LW, et al. **Am Sociol Rev** 1984 Apr;49(2):261–72

SPRAINS AND STRAINS

Ankle instability: current concepts, diagnosis, and treatment. Cass JR, et al. **Mayo Clin Proc** 1984 Mar;59(3):165–70
Repetition strain injuries [letter] **Med J Aust** 1984 Jun 9; 140(12):740–2
Repetitive strain injuries [letter] Wilson FR. **Med J Aust** 1984 Mar 3;140(5):307–8

COMPLICATIONS

Complete sensory and motor recovery from anterior spinal artery syndrome after sprain of the cervical spine. A case report. Foo D, et al. **Eur Neurol** 1984;23(2):119–23
A sprained ankle that acted up after it healed. Weiner SR. **Hosp Pract** 1983 Dec;18(12):61, 64
Varus injury of the knee with common peroneal nerve palsy. Bowman AJ Jr, et al. **J Natl Med Assoc** 1984 Feb; 76(2):157–61

DIAGNOSIS

Ankle sprains in athletes. Nemeth VA, et al. **Clin Sports Med** 1983 Mar;2(1):217–24
Repetitive strain injuries. Stone WE. **Med J Aust** 1983 Dec 10–24;2(12):616–8
[Clinical diagnostic certainty in sprained ankles. A controlled blind study of 235 patients from a surgical outpatient department] Christensen MG, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3164–7 (Eng. Abstr.) **(Dan)**

DRUG THERAPY

Sulindac versus ibuprofen in sprains and strains. Hayes TB, et al. **Br J Sports Med** 1984 Mar;18(1):30–3
Current concepts in the role of steroids in the treatment of sprains and strains. Cox JS. **Med Sci Sports Exerc** 1984 Jun;16(3):216–8

ECONOMICS

Benefits, risks, and costs of alternative approaches to the evaluation and treatment of severe ankle sprain. Soboroff SH, et al. **Clin Orthop** 1984 Mar;(183):160–8
Assessment of workers' compensation claims for back strains/sprains. Klein BP, et al. **J Occup Med** 1984 Jun; 26(6):443–8

ETIOLOGY

Repetition strain injuries [letter] Bloch B. **Med J Aust** 1984 May 26;140(11):684–5
Repetitive strain injuries [letter] Howie A. **Med J Aust** 1984 Mar 31;140(7):442

OCCURRENCE

The 'new' industrial epidemic. Ferguson D. **Med J Aust** 1984 Mar 17;140(6):318–9

PHYSIOPATHOLOGY

Factors affecting stabilometry recordings of single limb stance. Tropp H, et al. **Am J Sports Med** 1984 May–Jun; 12(3):185–8

RADIOGRAPHY

Ankle sprains revisited. Horne G, et al. **NZ Med J** 1984 Sep 12;97(763):605–7

REHABILITATION

Repetitive strain injuries [letter] **Med J Aust** 1984 Mar 17; 140(6):380–1

SURGERY

The plantaris tendon: a lateral ankle stabilization procedure. A case report. Ransom RA, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):295–8
Calcaneal heel spurs: etiology, treatment, and a new surgical approach. Michetti ML, et al. **J Foot Surg** 1983 Fall; 22(3):234–9
Lunotriquetral sprains. Reagan DS, et al. **J Hand Surg [Am]** 1984 Jul;9(4):502–14
[Severe sprains of the internal lateral ligament of the thumb metacarpophalangeal joint] Saffar P, et al. **Rev Chir Orthop** 1983;69 Suppl 2:97–103 **(Fre)**
[Results of the treatment of recent sprains of the knee apropos

of a statistical study of 369 cases] Vichard P, et al. **Rev Chir Orthop** 1984;70 Suppl 2:149–51 **(Fre)**

[Sprain injuries of the foot] Böhnel P. **Schweiz Rundsch Med Prax** 1984 Jul 17;73(29):914–7 (Eng. Abstr.) **(Ger)**

THERAPY

Occupational repetition strain injuries. Guidelines for diagnosis and management. Browne CD, et al. **Med J Aust** 1984 Mar 17;140(6):329–32

Proximal interphalangeal joint sprains. Wray RC, et al. **Plast Reconstr Surg** 1984 Jul;74(1):101–7

Using an Unna's boot in treating ligamentous ankle injuries. Pointer J. **West J Med** 1983 Aug;139(2):257–9

[Comparison of the results of conservative and surgical treatment of injuries of ankle joint ligaments] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):121–6 (Eng. Abstr.) **(Pol)**

SPREADING CORTICAL DEPRESSION

Glutamate and spreading depression in chick retina. Gardino PF, et al. **An Acad Bras Cienc** 1983 Sep;55(3):297–307

Oxygen and glucose requirements in chick retinal spreading depression. Vercesi A, et al. **An Acad Bras Cienc** 1983 Sep; 55(3):309–16

Cortical spreading depression and conditioned taste aversion: an attempt to resolve a controversy. Davis JL, et al. **Behav Neural Biol** 1983 Mar;37(2):338–43

Regional changes of blood flow, glucose, and ATP content determined on brain sections during a single passage of spreading depression in rat brain cortex. Mies G, et al. **Exp Neurol** 1984 May;84(2):249–58

Electrophysiological and optical changes in slices of rat hippocampus during spreading depression. Snow RW, et al. **J Neurophysiol** 1983 Sep;50(3):561–72

Facilitation of thermoregulatory heating behavior by single cortical spreading depression in the rat. Shibata M, et al. **Physiol Behav** 1983 Nov;31(5):561–6

In vitro phosphorylation of proteins in the preparations of cerebral cortex invaded by spreading depression. Křivánek J. **Physiol Bohemoslov** 1984;33(1):89–92

DRUG EFFECTS

The effects of naloxone and interstimulation interval on post-ictal depression in kindled seizures. Jarvis MF, et al. **Brain Res** 1983 Dec 12;288(1–2):235–41

The effects of carbon dioxide, oxygen and pH on spreading depression in the isolated chick retina. Skelton JL, et al. **Brain Res** 1983 Dec 12;288(1–2):229–33

Cortical penicillin focus as a generator of repetitive spike-triggered waves of spreading depression in rats. Koroleva VI, et al. **Exp Brain Res** 1983;51(2):291–7

Vanadate and brain adenylate cyclase. Effect of spreading depression. Křivánek J. **Neuroscience** 1983 Oct; 10(2):545–52

[Effect of diazepam and phenazepam on Leao's depression in brain edema] Vishnevskiĭ SE, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):12–4 (Eng. Abstr.) **(Rus)**

SPRUE see CELIAC DISEASE

SPRUE, TROPICAL

Tropical sprue: a review (part-I). Mehta SK, et al. **Indian J Gastroenterol** 1983 Apr;2(1):20–4 concl

Tropical sprue [letter] Booth C. **Lancet** 1984 May 5; 1(8384):1018

DIAGNOSIS

The Overlander's syndrome. Sheehy TW. **Ala Med** 1983 Oct; 53(4):30–4

Tropical sprue: a review (Part–II). Mehta SK, et al. **Indian J Gastroenterol** 1983 Jul;2(2):87–91

ETIOLOGY

Aetiology and pathogenesis of postinfective tropical malabsorption (tropical sprue). Cook GC. **Lancet** 1984 Mar 31;1(8379):721–3

IMMUNOLOGY

HLA antigen frequency in endemic tropical sprue. Sengupta S, et al. **Indian J Gastroenterol** 1983 Apr;2(1):12–3

MICROBIOLOGY

In vitro susceptibility to metronidazole of bacteria from the small intestine of tropical sprue patients. Albert MJ, et al. **Indian J Med Res** 1984 Mar;79:333–6

VETERINARY

Subcellular biochemical studies of a naturally occurring enteropathy in the dog resembling chronic tropical sprue in human beings. Batt RM, et al. **Am J Vet Res** 1983 Aug; 44(8):1492–6

SPUTUM

Asbestos bodies and particulate matter in sputum from former asbestos workers. An ultrastructural study. Dodson RF, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):635–40

Treatment of sputum retention by minitracheotomy. Matthews HR, et al. **Br J Surg** 1984 Feb;71(2):147–50

Rheology of sputum collected by a simple technique limiting salivary contamination. Puchelle E, et al. **J Lab Clin Med** 1984 Mar;103(3):347–53

Low chest compression for removal of pulmonary secretions [letter] Goldsmith HS, et al. **Surgery** 1983 Nov;94(5):847–8

[The Ikar–4 apparatus for artificial coughing] Reiderman EN, et al. **Med Tekh** 1983 Sep–Oct;(5):61–2 **(Rus)**

ANALYSIS

Acellular bodies in sputum. Schmitz B, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):118–25

Interaction of granulocyte proteases with inhibitors in pulmonary diseases. Ohlsson K, et al. **Adv Exp Med Biol** 1984;167:299–312

ELISA for quantitative measurement of low-molecular-weight bronchial protease inhibitor in human sputum. Kramps JA, et al. **Am Rev Respir Dis** 1984 Jun;129(6):959–63

Ferruginous bodies in sputum as an indication of exposure to airborne mineral fibers in the mesothelioma villages of Cappadocia. Sébastien P, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):18–23

Sputum elastin fibers and the diagnosis of necrotizing pneumonia. Shlaes DM, et al. **Chest** 1984 Jun;85(6):763–6

A comparison of the available methods for the measurement of histamine in sputum. Moodley I, et al. **Clin Allergy** 1984 Mar;14(2):153–63

Respiratory mucous secretions in patients with cystic fibrosis: relationship between levels of highly sulfated mucin component and severity of the disease. Chace KV, et al. **Clin Chim Acta** 1983 Aug 15;132(2):143–55

Sputum leukotrienes in obstructive airways diseases. O'Driscoll BR, et al. **Clin Exp Immunol** 1984 Feb; 55(2):397–404

Deoxyribonucleic acid output in the sputum from cystic fibrosis patients. Carswell F, et al. **Eur J Respir Dis** 1984 Jan;65(1):53–7

Sputum sol–phase proteins and elastase activity in patients with cystic fibrosis. Jackson AH, et al. **Eur J Respir Dis** 1984 Feb;65(2):114–24

Low molecular mass bronchial proteinase inhibitor and alpha 1–proteinase inhibitor in sputum and bronchoalveolar lavage. Stockley RA, et al. **Hoppe Seylers Z Physiol Chem** 1984 May;365(5):587–95

Cefoperazone pharmacokinetics and sputum levels after single/multiple i.m. injections in bronchopneumopathic patients and bone, pulmonary and prostatic tissue penetration. Braga PC, et al. **Int J Clin Pharmacol Res** 1983;3(5):349–55

Bioactivity of gentamicin in purulent sputum from patients with cystic fibrosis or bronchiectasis: comparison with activity in serum. Levy J, et al. **J Infect Dis** 1983 Dec; 148(6):1069–76

[Characterization of slow reacting substance of anaphylaxis in asthmatic sputum.] Wang SR, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Feb;17(1):48–54 (Eng. Abstr.) **(Chi)**

[Proteins of bronchial secretions in mucoviscidosis. Role of infection] Jacquot J, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):453–8 (Eng. Abstr.) **(Fre)**

[Comparison of 2 extraction methods of immunoglobulins A and serum albumin in sputum] Jacquot J, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):847–50 (Eng. Abstr.) **(Fre)**

[Analysis of bronchial and alveolar secretions] Yasuoka S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):944–52 (Eng. Abstr.) **(Jpn)**

[Diagnostic criteria in membranopathological processes in the lung based on the analysis of bronchial washings] Krylov VI, et al. **Lab Delo** 1983;(9):41–3 (Eng. Abstr.) **(Rus)**

[Lipid composition of the sputum in patients with acute and chronic pneumonia] Okorokov VG, et al. **Lab Delo** 1984; (1):25–6 (Eng. Abstr.) **(Rus)**

[Sputum viscosity and its biochemical properties in patients with chronic nonspecific lung diseases] Strashinina OA. **Ter Arkh** 1984;56(3):63–4 **(Rus)**

[Concentration of histamine in the sputum of patients with chronic obstructive lung diseases and chronic pulmonary tuberculosis] Jakupi M, et al. **Pluene Bolesti Tuberk** 1983 Jan–Dec;35(1–4):103–7 (Eng. Abstr.) **(Ser)**

[Soluble proteins in the sputum of patients with bronchiectases and chronic air–flow restriction] Oteo Ochoa LA, et al. **Rev Clin Esp** 1983 Dec 15;171(5):321–3 (Eng. Abstr.) **(Spa)**

[Quantification of IgA and lysozyme proteins in sputum from patients with chronic obstructive pulmonary disease. I. Relation of the proteins to sputum viscosity] Oteo Ochoa LA, et al. **Rev Clin Esp** 1984 Feb 15;172(3):137–40 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Cytodiagnosis of Hodgkin's disease in sputum specimens [letter] **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):190–1

Exfoliative sputum cytology in pulmonary embolism. Bewtra C, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):489–96

Mycosis fungoides cells in sputum. A case report. Shaheen K, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):483–6

Positive rate for sputum cytology [letter] Spriggs AI. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):703–5

Screening for early lung cancer. Results of the Memorial Sloan–Kettering study in New York. Melamed MR, et al. **Chest** 1984 Jul;86(1):44–53

Presence of alveolar macrophages as a criterion for determining the suitability of sputum specimens for bacterial culture. Courcol RJ, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):122–5

Primary cytological detection of Hodgkin's disease in sputum. Piscioli F, et al. **Haematologica (Pavia)** 1983 Sep–Oct;68(5):670–4

Pulmonary cytology in foundry workers. Simard A, et al. **J Chronic Dis** 1983;36(9):617–23

Sputum cytology in the management of patients with lung cancer. Savage PJ, et al. **South Med J** 1984 Jul;77(7):840–2

Sputum cytology in the diagnosis of pulmonary non–Hodgkin's lymphoma. Manoharan A, et al. **Thorax** 1984 May;39(5):392–3

[Atypical epithelial cells in specimens from the respiratory tract in various chronic non–neoplastic lung diseases] Targosz L. **Pneumonol Pol** 1983 Apr;51(4):201–7 (Eng. Abstr.) **(Pol)**

[Cytological examination of bronchial secretion in chronic respiratory tract diseases in children] Chobot–Maciejewska H, et al. **Pol Tyg Lek** 1983 Dec 5;38(49):1529–32 (Eng. Abstr.) **(Pol)**

[Considerations on the early diagnosis of bronchopulmonary cancer] Ionescu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):117–20 (Eng. Abstr.) **(Rum)**

[Cytological study of the bronchial secretion in children with nonspecific lung diseases] Zhuravlev AV, et al. **Pediatriia** 1983 Oct;(10):74–7 (45 ref.) **(Rus)**

[Bronchoalveolar lavage in patients with pulmonary tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1984 Jan; (1):34–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of expectorants on relaxation behavior of sputum viscoelasticity in vivo. Shimura S, et al. **Biorheology** 1983; 20(5):677–83

Sputum changes associated with the use of ipratropium bromide. Ghafouri MA, et al. **Chest** 1984 Sep;86(3):387–93

Effects of methylprednisolone on sputum biochemical components in asthmatic bronchitis. Moretti M, et al. **Eur J Respir Dis** 1984 Jul;65(5):365–70

ENZYMOLOGY

The effect of augmentin on sputum beta–lactamase activity in patients with cystic fibrosis. Penketh AR, et al. **Br J Clin Pract** 1984 May;38(5):188–9

Reduction of ciliary beat frequency in vitro by sputum from patients with bronchiectasis: a serine proteinase effect. Smallman LA, et al. **Thorax** 1984 Sep;39(9):663–7

Elastolytic activity of sputum and its relation to purulence and to lung function in patients with bronchiectasis. Stockley RA, et al. **Thorax** 1984 Jun;39(6):408–13

Effect of antibiotic treatment on sputum elastase in bronchiectatic outpatients in a stable clinical state. Stockley RA, et al. **Thorax** 1984 Jun;39(6):414–9

[Comparison of 2 methods of determination and evaluation of the results in studying the elastolytic activity of sputum] Kaminskaia GO, et al. **Lab Delo** 1984;(2):110–3 (Eng. Abstr.) **(Rus)**

[Alkaline phosphatase, gammaglutamyl–transferase, lactate dehydrogenase and creatine kinase in bronchial aspirates] Pérez–Jiménez F, et al. **Med Clin (Barc)** 1983 Nov 19; 81(16):709–11 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Pseudomonas–infected cystic fibrosis patient sputum inhibits the bactericidal activity of normal human serum. Schiller NL, et al. **Pediatr Res** 1983 Sep;17(9):747–52

The secretory IgA system of lung secretions in chronic obstructive bronchitis: comparison of sputum with secretions obtained during fibreoptic bronchoscopy. Wiggins J, et al. **Thorax** 1984 Jul;39(7):517–23

[Immunoglobulins in the sputum of patients with chronic obstructive pulmonary disease. (I) Local production of IgA and IgG in unstable periods and in clinical stabilization] Oteo Ochoa LA, et al. **Rev Clin Esp** 1983 Dec 31; 171(6):401–4 (Eng. Abstr.) **(Spa)**

METABOLISM

Variability in the secretory IgA system in sputum sol phase in stable chronic obstructive bronchitis. Wiggins J, et al. **Eur J Respir Dis** 1984 Aug;65(6):433–40

[Aerosol administration of dibekacin—the sputum concentration] Noguchi Y, et al. **Jpn J Antibiot** 1983 Dec; 36(12):3405–11 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

A controlled trial of 2–month, 3–month, and 12–month regimens of chemotherapy for sputum–smear–negative pulmonary tuberculosis. Results at 60 months. **Am Rev Respir Dis** 1984 Jul;130(1):23–8

Acid–fast bacilli in sputum smears of patients with pulmonary tuberculosis. Prevalence and significance of negative smears pretreatment and positive smears post–treatment. Kim TC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):264–8

Houseofficer proficiency in urinalysis and sputum gram stains [letter] Goldenberg DL, et al. **Ann Intern Med** 1984 Jul; 101(1):139

Oral and intestinal mycoflora of patients with myelo- and lymphoproliferative diseases. Mangiarotti AM, et al. **Haematologica (Pavia)** 1983 Nov-Dec;68(6):782-90

Non-tuberculous bacterial flora of sputum in pulmonary tuberculosis. Agarwal SK, et al. **Indian J Public Health** 1983 Apr-Jun;27(2):55-9

Isolation of Branhamella catarrhalis from sputum and tracheal aspirate. Aitken JM, et al. **J Clin Microbiol** 1983 Nov;18(5):1262-3

Isolation of Serratia ficaria from human clinical specimens. Brouillard JA, et al. **J Clin Microbiol** 1984 Jun;19(6):902-4

Effects of overnight refrigeration on the microscopic evaluation of sputum. Penn RL, et al. **J Clin Microbiol** 1984 Feb;19(2):161-3

Fimbriation of Haemophilus species isolated from the respiratory tract of adults. Apicella MA, et al. **J Infect Dis** 1984 Jul;150(1):40-3

Sputum bacteriology in patients with cystic fibrosis in a Toronto hospital during 1970-1981. Corey M, et al. **J Infect Dis** 1984 Feb;149(2):283

Laboratory diagnosis of pneumonia due to Streptococcus pneumoniae. Perlino CA. **J Infect Dis** 1984 Jul; 150(1):139-44

Selective media for the quantitation of bacteria in cystic fibrosis sputum. Wong K, et al. **J Med Microbiol** 1984 Apr; 17(2):113-9

Sputum cultures for evaluation of anaerobes in cystic fibrosis [letter] Brook I. **J Pediatr** 1984 Sep;105(3):505-6

Pseudomonas cepacia infection in cystic fibrosis: an emerging problem. Isles A, et al. **J Pediatr** 1984 Feb;104(2):206-10

Cultures of thoracotomy specimens confirm usefulness of sputum cultures in cystic fibrosis. Thomassen MJ, et al. **J Pediatr** 1984 Mar;104(3):352-6

Should sputum isolates of Haemophilus influenzae be serotyped? Liston TE. **South Med J** 1984 Feb;77(2):164-7 (20 ref.)

Bulk staining of sputum by the Ziehl-Neelsen method. Fodor T. **Tubercle** 1984 Jun;65(2):123-5

A comparative study on the pretreatment methods for the cultivation of Mycobacterium tuberculosis on LJ medium using pancreatin as digestant for sputa. Khan MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):222-30

An atypical Aspergillus flavus from a case of bronchopulmonary aspergilloma. A contribution to the cultural and serological diagnosis of A. flavus infections. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep;255(2-3):361-7

[Study of tubercle bacilli from persistently sputum-positive patients treated with antituberculosis drugs for long duration in 3 Shanghai districts] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):222-4 (Eng. Abstr.) **(Chi)**

[Simple methods for the pretreatment of specimens for determining mycobacteria in culture] Kalich R, et al. **Z Gesamte Hyg** 1983 Jul;29(7):380-3 (Eng. Abstr.) **(Ger)**

[The etiological agent of tuberculosis] Cavallo G. **Minerva Med** 1984 Mar 17;75(11):531-4 (Eng. Abstr.) **(Ita)**

[Antibacterial potency of cefotiam based on the clinical effect, MIC and decrement of organisms in the sputum] Kawagoe M, et al. **Jpn J Antibiot** 1983 Aug;36(8):2053-7 (Eng. Abstr.) **(Jpn)**

[Evaluation of in vitro antibacterial potencies of oral antibiotics against sputum isolates] Yamada H, et al. **Jpn J Antibiot** 1983 Aug;36(8):2103-8 (Eng. Abstr.) **(Jpn)**

[Evaluation of short-term chemotherapy of pulmonary tuberculosis (2). (a trial of 6-month chemotherapy following negative conversion of the sputum)--a report on the 19th and 20th controlled trials series A of chemotherapy by the Cooperative Study Unit, Japan National Sanatoria)] Nagasawa S. **Kekkaku** 1983 Jun; 58(6):347-53 (Eng. Abstr.) **(Jpn)**

[Microflora of the sputum and microbial sensitization of patients with dust-induced bronchitis] Girdo RG. **Gig Tr Prof Zabol** 1984 Mar;(3):43-4 **(Rus)**

[Valve of bacterioscopy of Gram-stained sputum smears for early etiologic diagnosis of acute pneumonia] Ageeva TS. **Lab Delo** 1983;(10):52-4 (Eng. Abstr.) **(Rus)**

[Selection of a method of preserving pathological material from tuberculosis patients for transport in the Far North] Grashchenkova OV, et al. **Lab Delo** 1983;(8):58-9 **(Rus)**

[A method of quantitative determination of bacterial count in the sputum of patients with acute and chronic pneumonias] Shapiro AV, et al. **Lab Delo** 1983;(7):59-60 **(Rus)**

[L-forms of Mycobacterium tuberculosis during chemotherapy of patients with chronic destructive pulmonary tuberculosis] Karachunskiĭ MA, et al. **Probl Tuberk** 1983 Jul;(7):38-43 (Eng. Abstr.) **(Rus)**

[Comparative study of 41 sputum samples with positive bacilloscopy by the trisodium phosphate and Petroff technics] Olivares E, et al. **Rev Cubana Med Trop** 1983 May-Aug;35(2):159-63 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Comment related to the cytologic demonstration of Reed-Sternberg cells in the sputum from a patient with Hodgkin's disease [letter] Barbieri D, et al. **Haematologica (Pavia)** 1984 May-Jun;69(3):378

PHYSIOLOGY

Influence of rheological properties of human bronchial secretions on the ciliary beat frequency. Puchelle E, et al. **Biorheology** 1984;21(1-2):265-72

The effect of bromhexine on sputum sol phase proteins. Stockley RA, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):444-6

[Measurement of sputum viscosity with the Jenssen viscometer] Ringelhann A, et al. **Z Erkr Atmungsorgane** 1984;162(2):134-40 (Eng. Abstr.) **(Ger)**

SECRETION

Chronic bronchitis. Correlation of morphologic findings to sputum production and flow rates. Jamal K, et al. **Am Rev Respir Dis** 1984 May;129(5):719-22

Bronchorrhea. A presenting feature of active endobronchial tuberculosis. So SY, et al. **Chest** 1983 Nov;84(5):635-6

[Sputum viscosity and respiratory function in chronic obstructive pulmonary disease] Sueiro Bendito A, et al. **Med Clin (Barc)** 1983 Nov 19;81(16):705-8 (Eng. Abstr.) **(Spa)**

SQ 18506 see under **NITROFURANS**

SQUALENE

ANALOGS & DERIVATIVES

Chloroquine inhibits cyclization of squalene oxide to lanosterol in mammalian cells. Chen HW, et al. **J Biol Chem** 1984 Jul 10;259(13):8156-62

Stimulation of the faecal excretion of 2,4,5,2',4',5'-hexachlorobiphenyl in rats by squalane. Richter E, et al. **Xenobiotica** 1983 Jun;13(6):337-43

ANALYSIS

Simultaneous assessment of fetal lung maturity and sebaceous gland function by gas chromatography. Wysocki SJ, et al. **Clin Chim Acta** 1984 Feb 28;137(2):141-9

BIOSYNTHESIS

Incorporation of mevalonate into squalene, lanosterol and cholesterol by different neonatal chick tissues. Aguilera JA, et al. **Int J Biochem** 1983;15(12):1481-4

BLOOD

Serum squalene in patients with gallstones. Kajiyama G, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):157-61

METABOLISM

Sterol synthesis from biliary squalene in the jejunal mucosa of the rat in vivo. Strandberg TE. **Lipids** 1983 Aug; 18(8):530-3

Relationships between squalene and cholesterol in bile: effect of ursodeoxycholic acid administration in patients with radiolucent gallstones. Salvioli G, et al. **Metabolism** 1984 Jul;33(7):641-5

SQUALENE SYNTHETASE see under **OXIDOREDUCTASES**

SQUID

Metaretinochrome in membranes as an effective donor of 11-cis retinal for the synthesis of squid rhodopsin. Seki T. **J Gen Physiol** 1984 Jul;84(1):49-62

[Allergic study of interstitial cystitis. (1) A case of interstitial cystitis caused by squid and shrimp hypersensitivity] Yamada T, et al. **Arerugi** 1984 May;33(5):264-8 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Physicochemical characterization of a crystallin from the squid lens and its comparison with vertebrate lens crystallins. Chiou SH. **J Biochem (Tokyo)** 1984 Jan; 95(1):75-82

METABOLISM

A light-stimulated increase of cyclic GMP in squid photoreceptors. Saibil HR. **FEBS Lett** 1984 Mar 26; 168(2):213-6

Analysis of sodium current fluctuations in the cut-open squid giant axon. Llano I, et al. **J Gen Physiol** 1984 Feb; 83(2):133-42

The action of cholinergic agonists on the squid stellate ganglion giant synapse. Stanley EF. **J Neurosci** 1984 Jul; 4(7):1904-11

PHYSIOLOGY

Rapid mechanical responses of the dark-adapted squid retina to light pulses. Tasaki I, et al. **Science** 1984 Jan 27; 223(4634):411-3

[Physiological functions of axolemmal undercoat and cytoskeleton in squid giant axons] Matsumoto G. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):748-63 (58 ref.) **(Jpn)**

SQUILL

METABOLISM

Biosynthesis of the bufadienolide ring of scillirosid in Scilla maritima. Galagovsky LR, et al. **Z Naturforsch [C]** 1984 Jan-Feb;39(1-2):38-44

SQUINT see **STRABISMUS**

SQUIRREL FIBROMA VIRUS see under **POXVIRIDAE**

SQUIRRELS see **SCIURIDAE**

SRS-A

Decomposition of leukotriene C4. Westcott JY, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):363-8

ADMINISTRATION & DOSAGE

The significance of liberated cyclooxygenase products for the pulmonary and cardiovascular actions of leukotriene C4 in the guinea pig depends upon the route of administration. Dahlén SE. **Acta Physiol Scand** 1983 Aug; 118(4):415-21

Intracerebroventricular and preoptic injections of leukotrienes C4, D4, and E4 in the rat: lack of febrile effect. O'Rourke ST, et al. **Brain Res** 1984 Mar 19;295(2):283-8

Renal and systemic hemodynamic responses to intravenous infusion of leukotriene C4 in the rat. Badr KF, et al. **Circ Res** 1984 May;54(5):492-9

Effects of intra-coronary administration of leukotriene D4 in the anaesthetized dog. Letts LG, et al. **Prostaglandins** 1983 Oct;26(4):563-72

Ocular responses to leukotriene C4 and D4 in the cat. Stjernschantz J, et al. **Prostaglandins** 1984 Jan;27(1):5-15

[Inhibitory effects of steroids on slow-reacting substance of anaphylaxis (SRS-A) mediated bronchoconstriction in the guinea pig in vivo. Evaluation with inhalation of antigen and leukotriene C4] Fujimura M. **Arerugi** 1983 Jul; 32(7):365-75 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Idiosyncrasy to aspirin and leukotrienes] Orea Solano M. **Alergia** 1983 Oct;30(4):153-8 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Divergent influences of leukotrienes C4, D4, and E4 on mesenteric and renal blood flow. Chapnick BM. **Am J Physiol** 1984 Apr;246(4 Pt 2):H518-24

The extraction of leukotrienes (LTC4, LTD4, and LTE4) from tissue fluids: the metabolism of these mediators during IgE-dependent hypersensitivity reactions in lung. Clancy RM, et al. **Anal Biochem** 1983 Aug;133(1):30-9

Effect of the serine-borate complex on the relative ability of leukotriene C4, D4 and E4 to inhibit lung and brain [3H] leukotriene D4 and [3H] leukotriene C4 binding: demonstration of the agonists' potency order for leukotriene D4 and leukotriene C4 receptors. Cheng JB, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):612-7

Evidence for a similar receptor site for binding of [3H] leukotriene E4 and [3H] leukotriene D4 to the guinea-pig crude lung membrane. Cheng JB, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):949-54

2-nor-leukotriene analogs: antagonists of the airway and vascular smooth muscle effects of leukotriene C4, D4 and E4. Gleason JG, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):732-9

Pharmacology of leukotrienes. Piper PJ. **Br Med Bull** 1983 Jul;39(3):255-9 (96 ref.)

Lipoxygenase pathways. Taylor GW, et al. **Br Med Bull** 1983 Jul;39(3):219-22 (25 ref.)

Intracerebroventricular and preoptic injections of leukotrienes C4, D4, and E4 in the rat: lack of febrile effect. O'Rourke ST, et al. **Brain Res** 1984 Mar 19;295(2):283-8

Smooth muscle contractile activities of leukotriene analogues. Cho H, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep; 31(9):3326-9

Effect of fenoterol on immunological release of leukotrienes and histamine from human lung in vitro: selective antagonism by beta-adrenoceptor antagonists. Hughes JM, et al. **Eur J Pharmacol** 1983 Nov 25;95(3-4):239-45

Investigation of leukotriene involvement in the vasopermeability response associated with guinea pig tracheal anaphylaxis: comparison with cutaneous anaphylaxis. Woodward DF, et al. **Eur J Pharmacol** 1983 Sep 16;93(1-2):9-19

Leukotrienes: possible mediators in bronchial asthma. Piper PJ. **Eur J Respir Dis [Suppl]** 1983;129:45-64 (46 ref.)

Isolation and characterization of 15-hydroxylated metabolites of leukotriene C4. Orning L, et al. **FEBS Lett** 1983 Mar 21;153(2):253-6

Generation of leukotrienes from human granulocytes by alveolysin from Bacillus alvei. Bremm KD, et al. **Infect Immun** 1984 Apr;44(1):188-93

Effect of leukotrienes on endothelium and the transendothelial migration of neutrophils. Cramer EB, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):386-90

The myeloperoxidase-dependent metabolism of leukotrienes C4, D4, and E4 to 6-trans-leukotriene B4 diastereoisomers

and the subclass-specific S-diastereoisomeric sulfoxides. Lee CW, et al. **J Biol Chem** 1983 Dec 25;258(24):15004–10

Immunopathogenetic roles of leukotrienes in human diseases. Goetzl EJ, et al. **J Clin Immunol** 1984 Mar;4(2):79–84

Antagonism of the pulmonary effects of the peptidoleukotrienes by a leukotriene D4 analog. Weichman BM, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):700–5

Peptide leukotriene release after antigen challenge in patients sensitive to ragweed. Creticos PS, et al. **N Engl J Med** 1984 Jun 21;310(25):1626–30

Potentiation of leukotriene formation in pulmonary and vascular tissue. Lefer AM, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(2):186–9

Leukotriene E4–induced airway hyperresponsiveness of guinea pig tracheal smooth muscle to histamine and evidence for three separate sulfidopeptide leukotriene receptors. Lee TH, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4922–5

Pharmacological study of the effects of leukotrienes C4, D4, E4 & F4 on guinea pig trachealis: interaction with FPL-55712. Jones T, et al. **Prostaglandins** 1983 Nov; 26(5):833–43

Studies on the mechanism of leukotriene induced coronary artery constriction. Roth DM, et al. **Prostaglandins** 1983 Oct;26(4):573–81

Differential activity of leukotrienes upon human pulmonary vein and artery. Schellenberg RR, et al. **Prostaglandins** 1984 Mar;27(3):475–82

Wheal reactions in human skin after injection of leukotrienes B4, C4, D4 and E4. Juhlin L, et al.
Prostaglandins Leukotrienes Med 1983 Aug;11(4):381–3

Development of a sensitive method for measurement of leukotriene production by isolated cells. Dobson P, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):3–23

[Synthesis and biologic effects of 14,15-didehydroleukotrienes and their methyl esters] Spur B, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):968–70 **(Ger)**

[Effect of leukotriene C4, D4 and E4 on canine airway and pulmonary circulatory systems] Ishihara Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Jun;21(6):534–8 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Ethylenediaminetetraacetic acid in liquid chromatography of leukotrienes. Anderson FS, et al. **Anal Chem** 1983 Sep; 55(11):1837–9

Increased concentrations of immunoreactive leukotrienes in cutaneous lesions of eosinophilic cellulitis. Wong E, et al. **Br J Dermatol** 1984 Jun;110(6):653–6

Sputum leukotrienes in obstructive airways diseases. O'Driscoll BR, et al. **Clin Exp Immunol** 1984 Feb; 55(2):397–404

Detection of leukotriene C4–liked immunoreactivity in tear fluid from subjects challenged with specific allergen. Bisgaard H, et al. **Prostaglandins** 1984 Mar;27(3):369–74

Detection of leukotriene C4 and D4 in the exudate of rat carrageenin–induced pleurisy. Ueno A, et al.
Prostaglandins 1983 Sep;26(3):493–504

The development of sensitive and specific radioimmunoassays for leukotrienes. Rokach J, et al.
Prostaglandins Leukotrienes Med 1984 Jan;13(1):21–5

[Characterization of slow reacting substance of anaphylaxis in asthmatic sputum.] Wang SR, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1984 Feb;17(1):48–54 (Eng. Abstr.) **(Chi)**

[Biochemistry of leukotriene] Yamamoto S.
Nippon Rinsho 1983 Aug;41(8):1934–47 (132 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The effect of a leukotriene receptor antagonist, FPL 55712, on estrogen–induced uterine hyperemia in the nonpregnant rabbit. Parisi VM, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):365–9

2-nor-leukotriene analogs: antagonists of the airway and vascular smooth muscle effects of leukotriene C4, D4 and E4. Gleason JG, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):732–9

The effect of indomethacin on the contractile response of the guinea–pig lung parenchymal strip to leukotrienes B4, C4, D4 and E4. Austen KF, et al. **Br J Pharmacol** 1983 Sep;80(1):47–53

Leukotriene C synthetase, a special glutathione S-transferase: properties of the enzyme and inhibitor studies with special reference to the mode of action of U-60,257, a selective inhibitor of leukotriene synthesis. Bach MK, et al.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):353–7

Antagonism of the cardiac effects of leukotriene C4 by compound SKF 88046: dissociation of effects on contractility and coronary flow. Burke JA, et al.
J Cardiovasc Pharmacol 1984 Jan–Feb;6(1):122–5

Antagonists of slow-reacting substance of anaphylaxis. 1. Pyrido[2,1–b]quinazolinecarboxylic acid derivatives. Tilley JW, et al. **J Med Chem** 1983 Nov;26(11):1638–42

Immunopharmacological studies on mydocalm and related compounds as an antagonist of slow reacting substance of anaphylaxis (SRS–A). Nagai H, et al. **J Pharmacobiodyn** 1983 Nov;6(11):874–80

Pharmacologic analysis of two novel inhibitors of leukotriene (slow reacting substance) release. Fleisch JH, et al.
J Pharmacol Exp Ther 1984 Jun;229(3):681–9

SK&F 88046: a unique pharmacologic antagonist of bronchoconstriction induced by leukotriene D4, thromboxane and prostaglandins F2 alpha and D2 in vitro. Weichman BM, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):128–32

Pharmacological studies on newly synthesized anti–allergic agents, 2–methyl–3–piperidino–beta–propionaphtone hydrochloride (KZ–111) and 3–isobutyryl–2–isopropylpyrazole–[1, 5–a] pyridine (KC–404). Nagai H, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1215–23

Specificity of receptors for leukotrienes A4, B4, C4, D4, E4 and histamine on the guinea–pig lung parenchyma. Effect of FPL–55712 and desensitization of the myotropic activity. Sirois P, et al. **Prostaglandins** 1983 Jul;26(1):91–101

Inhibition of human neutrophil arachidonate 5–lipoxygenase by 6,9–deepoxy–6,9–(phenylimino)–delta 6,8–prostaglandin I1 (U–60257). Sun FF, et al. **Prostaglandins** 1983 Aug; 26(2):211–21

Leukotriene effect in airways smooth muscle: calcium dependency and verapamil inhibition. Weiss EB, et al.
Prostaglandins Leukotrienes Med 1983 Sep;12(1):53–66

U–60,257 has no effect on the metabolism of arachidonic acid in nonstimulated human polymorphonuclear leukocytes. Dahl ML, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun;44(3):355–65

[Biosynthesis of leukotriene and its inhibition] Koshihara Y.
Seikagaku 1983;55(6):388–93 (18 ref.) **(Jpn)**

BIOSYNTHESIS

Pharmacological control of leukotriene and prostaglandin production from mouse peritoneal macrophages. Brune K, et al. **Agents Actions** 1984 Jun;14(5–6):729–34

Prospects for the inhibition of leukotriene synthesis. Bach MK. **Biochem Pharmacol** 1984 Feb 15;33(4):515–21

gamma–Hexachlorocyclohexane stimulation of macrophage phospholipid hydrolysis and leukotriene production. Meade CJ, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):289–93

Human peritoneal macrophages synthesize leukotrienes B4 and C4. Du JT, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):159–63

Caffeic acid is a selective inhibitor for leukotriene biosynthesis. Koshihara Y, et al. **Biochim Biophys Acta** 1984 Jan 17;792(1):92–7

Mediators of arachidonic acid–induced contractions of indomethacin–treated guinea–pig airways: leukotrienes C4 and D4. Burka JF, et al. **Br J Pharmacol** 1984 Mar; 81(3):465–73

Preferential generation of leukotriene C4 by human eosinophils. Shaw RJ, et al. **Clin Exp Immunol** 1984 Jun; 56(3):716–22

Formation of leukotriene C4–like material by rat brain tissue. Dembinska–Kieć A, et al. **Eur J Pharmacol** 1984 Mar 16; 99(1):57–62

Specific leukotriene formation by purified human eosinophils and neutrophils. Verhagen J, et al. **FEBS Lett** 1984 Mar 12;168(1):23–8

Leukotriene formation by eosinophil leukocytes. Analysis with ion–pair high pressure liquid chromatography and effect of the respiratory burst. Ziltener HJ, et al.
Hoppe Seylers Z Physiol Chem 1983 Aug;364(8):1029–37

Arachidonic acid metabolism in normal and hypereosinophilic syndrome human eosinophils: generation of leukotrienes B4, C4, D4 and 15–lipoxygenase products. Henderson WR, et al. **Immunology** 1984 Apr;51(4):679–86

Generation of leukotrienes from human granulocytes by alveolysin from Bacillus alvei. Bremm KD, et al.
Infect Immun 1984 Apr;44(1):188–93

On the mechanism of biosynthesis of 5– and 15–series leukotrienes. Brash AR, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):316–23

Leukotriene synthesis and receptor blockers block hypoxic pulmonary vasoconstriction. Morganroth ML, et al.
J Appl Physiol 1984 May;56(5):1340–6

Arachidonic acid metabolism among human mononuclear leukocytes. Lipoxygenase–related pathways. Goldyne ME, et al. **J Biol Chem** 1984 Jul 25;259(14):8815–9

Leukotriene production and inactivation by normal, chronic granulomatous disease and myeloperoxidase–deficient neutrophils. Henderson WR, et al. **J Biol Chem** 1983 Nov 25;258(22):13522–7

The biologically active leukotrienes. Biosynthesis, metabolism, receptors, functions, and pharmacology. Lewis RA, et al. **J Clin Invest** 1984 Apr;73(4):889–97 (123 ref.)

IgE immune complexes induce immediate and prolonged release of leukotriene C4 (LTC4) from rat alveolar macrophages. Rankin JA, et al. **J Immunol** 1984 Apr; 132(4):1993–9

Can dietary selenium reduce leukotriene production? McCarty M. **Med Hypotheses** 1984 Jan;13(1):45–50

Biosynthesis and metabolism of leukotrienes. Hammarström S. **Monogr Allergy** 1983;18:265–71 (32 ref.)

Potentiation of leukotriene formation in pulmonary and vascular tissue. Lefer AM, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(2):186–9

Generation and metabolism of 5–lipoxygenase pathway leukotrienes by human eosinophils: predominant production of leukotriene C4. Weller PF, et al.
Proc Natl Acad Sci USA 1983 Dec;80(24):7626–30

Leukotrienes in the lung circulation: actions and interactions. Voelkel NF, et al. **Prog Clin Biol Res** 1983;136:141–53 (39 ref.)

Analogs of arachidonic acid methylated at C-7 and C-10 as inhibitors of leukotriene biosynthesis. Cohen N, et al.
Prostaglandins 1984 Apr;27(4):553–62

Characteristics of leukotriene (LT) and hydroxy eicosatetraenoic acid (HETE) synthesis in human leukocytes in vitro: effect of arachidonic acid concentration. Fruteau de Laclos B, et al.
Prostaglandins Leukotrienes Med 1984 Jan;13(1):47–52

Development of a sensitive method for measurement of leukotriene production by isolated cells. Dobson P, et al.
Res Commun Chem Pathol Pharmacol 1983 Oct;42(1):3–23

Synthesis of compounds with properties of leukotrienes C4 and D4 in gerbil brains after ischemia and reperfusion. Moskowitz MA, et al. **Science** 1984 May 25;224(4651):886–9

Generation of leukotrienes and lipoxygenase factors from human polymorphonuclear granulocytes during bacterial phagocytosis and interaction with bacterial exotoxins. Bremm KD, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):500–14

[Prostaglandins and leukotrienes] Damas J.
Ann Biol Clin (Paris) 1984;42(1):31–4 (Eng. Abstr.) **(Fre)**

[Leukotrienes and other arachidonic acid derivatives] Alam R. **Pol Tyg Lek** 1984 Feb 13;39(7):233–6 (45 ref.) **(Pol)**

BLOOD

Formation of leukotriene C4 by human leukocytes exposed to monosodium urate crystals. Serhan CN, et al.
FEBS Lett 1984 Feb 13;167(1):109–12

Activation of a 15–lipoxygenase/leukotriene pathway in human polymorphonuclear leukocytes by the anti–inflammatory agent ibuprofen. Vanderhoek JY, et al.
J Biol Chem 1984 Jun 10;259(11):6752–6

IMMUNOLOGY

Leukotriene D4 induces bronchoconstriction in man. Bisgaard H, et al. **Allergy** 1983 Aug;38(6):441–3

Immunoregulatory activity of metabolites of arachidonic acid and their role in inflammation. Lewis GP. **Br Med Bull** 1983 Jul;39(3):243–8 (64 ref.)

Wheal reactions in human skin after injection of leukotrienes B4, C4, D4 and E4. Juhlin L, et al.
Prostaglandins Leukotrienes Med 1983 Aug;11(4):381–3

[The leukotrienes—a breakthrough in allergy and inflammation (editorial)] Tamir R, et al. **Harefuah** 1983 Apr 1;104(7):303–4 **(Heb)**

[The role of mediators in bronchial asthma] Furlan J.
Piucne Bolesti Tuberk 1983 Jan–Dec;35(1–4):108–16 (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

Separation of major prostaglandins, leukotrienes, and monoHETEs by high performance liquid chromatography. Peters SP, et al. **J Immunol Methods** 1983 Nov 25; 64(3):335–43

The separation of leukotrienes and hydroxyeicosatetraenoic acid metabolites of arachidonic acid by high performance liquid chromatography (HPLC). Osborne DJ, et al.
Prostaglandins 1983 Nov;26(5):817–32

Separation and quantitation of leukotrienes by reversed–phase high–performance liquid chromatography. Verhagen J, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):15–20

METABOLISM

Metabolism of leukotriene D4 by porcine alveolar macrophages. Paterson NA. **Am Rev Respir Dis** 1984 Feb; 129(2):274–8

The extraction of leukotrienes (LTC4, LTD4, and LTE4) from tissue fluids: the metabolism of these mediators during IgE–dependent hypersensitivity reactions in lung. Clancy RM, et al. **Anal Biochem** 1983 Aug;133(1):30–9

Effects of formoterol (BD 40A), a beta–adrenoceptor stimulant, on isolated guinea–pig lung parenchymal strips and antigen–induced SRS–A release in rats. Tomioka K, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):91–102

Determination of SRS–A release from guinea–pig lungs by a radioimmunoassay. Aharony D, et al.
Biochem Biophys Res Commun 1983 Dec 16;117(2):574–9

Effect of the serine–borate complex on the relative ability of leukotriene C4, D4 and E4 to inhibit lung and brain [3H] leukotriene D4 and [3H] leukotriene C4 binding: demonstration of the agonists' potency order for leukotriene D4 and leukotriene C4 receptors. Cheng JB, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):612–7

Evidence for a similar receptor site for binding of [3H] leukotriene E4 and [3H] leukotriene D4 to the guinea–pig crude lung membrane. Cheng JB, et al.
Biochem Biophys Res Commun 1984 Aug 16;122(3):949–54

Identification of leukotriene D4 receptor binding sites in guinea pig lung homogenates using [3H]leukotriene D4. Cheng JB, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):20–6

Peptidoleukotrienes: distinct receptors for leukotriene C4 and D4 in the guinea–pig lung. Hogaboom GK, et al.
Biochem Biophys Res Commun 1983 Nov 15;116(3):1136–43

Interactions between prostaglandins and leukotrienes. Kuehl FA Jr, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):1-5

Hemoprotein catalysis of leukotriene formation. Rådmark O, et al. **Biochim Biophys Acta** 1984 Mar 7;792(3):324-9

From studies of biochemical mechanism to novel biological mediators: prostaglandin endoperoxides, thromboxanes, and leukotrienes. Nobel Lecture, 8 December 1982. Samuelsson B. **Biosci Rep** 1983 Sep;3(9):791-813 (133 ref.)

Interactions between prostaglandins, leukotrienes and other mediators of inflammation. Williams TJ. **Br Med Bull** 1983 Jul;39(3):239-42 (63 ref.)

Release and vasoconstrictor effect of leukotriene C-like immunoreactive material in the anaphylactic guinea-pig mesenteric vascular bed. Dembinska-Kieć A, et al. **Eur J Pharmacol** 1984 Jun 1;101(3-4):259-62

Isolation and characterization of 15-hydroxylated metabolites of leukotriene C4. Orning L, et al. **FEBS Lett** 1983 Mar 21;153(2):253-6

Subcellular localization of enzymes involved in leukotriene formation within human polymorphonuclear granulocytes. Brom J, et al. **Immunology** 1984 Mar;51(3):571-83

Lung tissue receptors for sulfidopeptide leukotrienes. Kuehl FA Jr, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):378-81

Molecular determinants for functional responses to the sulfidopeptide leukotrienes: metabolism and receptor subclasses. Lewis RA, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):369-72

Transformation of leukotriene D4 catalyzed by lysosomal cathepsin H of rat liver. Yokota K, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1173-8

The myeloperoxidase-dependent metabolism of leukotrienes C4, D4, and E4 to 6-trans-leukotriene B4 diastereoisomers and the subclass-specific S-diastereoisomeric sulfoxides. Lee CW, et al. **J Biol Chem** 1983 Dec 25;258(24):15004-10

Specific receptors for leukotriene C4 on a smooth muscle cell line. Krilis S, et al. **J Clin Invest** 1983 Oct;72(4):1516-9

Leukotriene C4 ([3H]-LTC4) binding to membranes isolated from a hamster smooth muscle cell line (DDT1MF2). Clark MA, et al. **Life Sci** 1984 Jul 23;35(4):441-8

Pharmacological properties of BL-5255Z, an antiallergy compound that blocks SRS activity. Gillespie E, et al. **Monogr Allergy** 1983;18:211-9

Specific binding of leukotriene C4 to ileal segments and subcellular fractions of ileal smooth muscle cells. Krilis S, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4529-33

Characterization of a leukotriene D4 receptor in guinea pig lung. Pong SS, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7415-9

Effect of lipoxygenase inhibitors, AA-861 and T-22083, on chemical mediators released from sensitized guinea-pig lung tissue. Ishihara Y, et al. **Prostaglandins** 1983 Oct; 26(4):623-9

Binding sites for 3H-LTC4 in membranes from guinea pig ileal longitudinal muscle. Nicosia S, et al. **Prostaglandins** 1984 Mar;27(3):483-94

The interaction of ethanol and exogenous arachidonic acid in the formation of leukotrienes and prostaglandin D2 in mastocytoma cells. Westcott JY, et al. **Prostaglandins** 1983 Aug;26(2):223-39

Release of slow-reacting substance of anaphylaxis from layers of guinea pig aorta. Wölbling RH, et al. **Prostaglandins** 1983 Jun;25(6):823-8

Release of slow-reacting substance of anaphylaxis and leukotriene C4-like immunoreactivity from guinea pig colonic tissue. Wölbling RH, et al. **Prostaglandins** 1983 Jun; 25(6):809-22

The antigenic release of histamine and SRS-A from sheep and calf lungs. Autenried P, et al. **Schweiz Arch Tierheilkd** 1984 Jun;126(6):293-303

PHARMACODYNAMICS

Mechanisms of leukotriene-induced contractions of guinea pig airways: leukotriene C4 has a potent direct action whereas leukotriene B4 acts indirectly. Dahlén SE, et al. **Acta Physiol Scand** 1983 Aug;118(4):393-403

Inhibition of intradental nerve excitability by leukotriene B4 and C4. Gazelius B, et al. **Acta Physiol Scand** 1984 Jan; 120(1):141-3

The effects of leukotrienes, thromboxane A2 and phospholipase A2 on human, porcine and guinea pig lung parenchyma. Zijlstra FJ, et al. **Agents Actions** 1984 Jan; 14(1):88-92

The effect of inhibitors on the LTD4-induced contractions and release of thromboxane A2 in the guinea pig lung parenchymal strip. Vincent JE, et al. **Agents Actions [Suppl]** 1984;14:69-81

Leukotriene-induced coronary spasm [letter] Hellstrom HR. **Am J Cardiol** 1984 Feb 1;53(4):653

Divergent influences of leukotrienes C4, D4, and E4 on mesenteric and renal blood flow. Chapnick BM. **Am J Physiol** 1984 Apr;246(4 Pt 2):H518-24

Indomethacin potentiates the pulmonary response to aerosol leukotriene C4 in the guinea pig. Leitch AG, et al. **Am Rev Respir Dis** 1983 Oct;128(4):639-43

Agonist specific desensitization of leukotriene C4-stimulated PGI2 biosynthesis in human endothelial cells. Benjamin CW, et al. **Biochem Biophys Res Commun** 1983 Dec 28; 117(3):780-7

Total profiling by GC/NICIMS of the major cyclo-oxygenase products from antigen and leukotriene-challenged guinea-pig lung. Robinson C, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):395-400

Hypoxia potentiates killing of hepatocyte monolayers by leukotrienes, hydroperoxyeicosatetraenoic acids, or calcium ionophore A23187. Trudell JR, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):338-41

Effect of inhibition of synthesis and receptor antagonism of SRS-A in cardiac anaphylaxis. Aehringhaus U, et al. **Br J Pharmacol** 1983 Sep;80(1):73-80

Beta 2-adrenoceptor blockade is the basis of guinea-pig bronchial hyper-responsiveness to leukotriene C4 and other agonists. Bongrani S, et al. **Br J Pharmacol** 1983 Aug; 79(4):839-48

Responses of human skin to intradermal injection of leukotrienes C4, D4 and B4. Camp RD, et al. **Br J Pharmacol** 1983 Nov;80(3):497-502

Pharmacology of leukotrienes. Piper PJ. **Br Med Bull** 1983 Jul;39(3):255-9 (96 ref.)

Altered coronary vascular responsiveness to leukotrienes in alloxan-diabetic rats. Roth DM, et al. **Circ Res** 1984 Apr; 54(4):388-95

Leukotrienes and the lung. Leitch AG. **Clin Sci** 1984 Aug; 67(2):153-9 (100 ref.)

Leukotriene D4-induced vasoconstriction of coronary arteries in anaesthetized dogs. Fiedler VB, et al. **Eur Heart J** 1984 Mar;5(3):253-60

Leukotriene C4 (LTC4) elicits a respiratory burst in peritoneal macrophages. Hartung HP. **Eur J Pharmacol** 1983 Jul 15;91(1):159-60

Pharmacological alteration of antigen-induced contraction of lung parenchymal strips isolated from the actively sensitized guinea pig. Songsiridej V, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):215-22

Leukotriene D4 elicits a non-sustained contraction of the guinea pig trachea in calcium-free buffer. Weichman BM, et al. **Eur J Pharmacol** 1984 Jun 1;101(3-4):229-34

Differential inhibition of LTD4-mediated bronchopulmonary effects by salbutamol. Woodward DF, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):219-22

Leukotrienes: possible mediators in bronchial asthma. Piper PJ. **Eur J Respir Dis [Suppl]** 1983;129:45-64 (46 ref.)

Comparative actions of biologic and synthetic leukotrienes on isolated human bronchus and rat mast cells. Hanna CJ, et al. **Int Arch Allergy Appl Immunol** 1984;74(1):15-20

Leukotriene-C4 enhances mucus production from submucosal glands in canine trachea in vivo. Johnson HG, et al. **Int J Immunopharmacol** 1983;5(5):391-6

Effect of leukotrienes on endothelium and the transendothelial migration of neutrophils. Cramer EB, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):386-90

Action and metabolism of circulating leukotriene C. Hammarström S, et al. **J Allergy Clin Immunol** 1984 Sep; 74(3 Pt 2):358-62

Effects of chemical mediators of anaphylaxis on ciliary function. Wanner A, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):663-7

Histamine and leukotrienes mediate pulmonary hypersensitivity to antigen in guinea pigs. Lamm WJ, et al. **J Appl Physiol** 1984 Apr;56(4):1032-8

Leukotrienes (LTB4 and LTD4): in vitro effects on human lymphocyte proliferation and transformation. Guttery JE, et al. **J Clin Lab Immunol** 1984 Mar;13(3):151-3

Quantitation of microcirculatory blood flow changes in human cutaneous tissue induced by inflammatory mediators. Bisgaard H, et al. **J Invest Dermatol** 1984 Sep; 83(3):184-7

Airway responses to sequential challenges with platelet-activating factor and leukotriene D4 in rhesus monkeys. Patterson R, et al. **J Lab Clin Med** 1984 Sep; 104(3):340-5

Interaction of leukotriene D4 and histamine on bronchomotor tone, in the guinea-pig. Stewart AG, et al. **J Pharm Pharmacol** 1983 Nov;35(11):755-6

Effects of the leukotrienes on the vasculature and blood pressure of different species. Berkowitz BA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):105-12

Negative inotropic effect of leukotrienes: leukotrienes C4 and D4 inhibit calcium-dependent contractile responses in potassium-depolarized guinea-pig myocardium. Hattori Y, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):646-51

Responses to leukotriene C4 in the perfused rat lung. Iacopino VJ, et al. **J Pharmacol Exp Ther** 1984 Jun; 229(3):654-7

Cardiovascular responses to leukotriene C4 in the rat. Iacopino VJ, et al. **J Pharmacol Exp Ther** 1983 Oct; 227(1):244-7

Production and antagonism of cutaneous vascular permeability in the guinea pig in response to histamine, leukotrienes and A23187. Rinkema LE, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):550-7

The effect of leukotriene D4 on the isolated stomach and colon of the rat. Goldenberg MM, et al. **Life Sci** 1983 Nov 21;33(21):2121-7

Leukotrienes stimulate insulin release from the rat pancreas. Pek SB, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):2199-202

Leukotriene D4 increases nasal blood flow in humans. Bisgaard H, et al. **Prostaglandins** 1984 Apr;27(4):599-604

Leukotriene D4-induced hypotension is reversed by thyrotropin-releasing hormone. Feuerstein G, et al. **Prostaglandins** 1983 Nov;26(5):711-24

C-6-sulfidopeptide leukotrienes are unlikely to be involved in the endothelium dependent relaxation of rabbit aorta by acetylcholine. Förstermann U, et al. **Prostaglandins** 1984 Feb;27(2):181-93

Pharmacological study of the effects of leukotrienes C4, D4, E4 & F4 on guinea pig trachealis: interaction with FPL-55712. Jones T, et al. **Prostaglandins** 1983 Nov; 26(5):833-43

Vasoconstrictor effects of leukotrienes C4 and D4 in the feline mesenteric vascular bed. Lippton HL, et al. **Prostaglandins** 1984 Feb;27(2):233-43

Effect of inhibition of thromboxane production on the leukotriene D4-mediated bronchoconstriction in the guinea pig. Muccitelli RM, et al. **Prostaglandins** 1983 Aug; 26(2):197-206

Studies on the mechanism of leukotriene induced coronary artery constriction. Roth DM, et al. **Prostaglandins** 1983 Oct;26(4):573-81

Differential activity of leukotrienes upon human pulmonary vein and artery. Schellenberg RR, et al. **Prostaglandins** 1984 Mar;27(3):475-82

Leukotriene C4 induces vasogenic cerebral edema in rats. Black KL. **Prostaglandins Leukotrienes Med** 1984 Jun; 14(3):339-40

Thromboxane formation in human polymorphonuclear leukocytes is inhibited by prednisolone and stimulated by leukotrienes B4, C4, D4 and histamine. Puustinen T, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):161-7

Human natural cytotoxic cell activity: enhancement by leukotrienes (LT) A4, B4 and D4, but not by stereoisomers of LTB4 or HETES. Rola-Pleszczynski M, et al. **Prostaglandins Leukotrienes Med** 1984 Jan;13(1):113-7

Leukotriene effect in airways smooth muscle: calcium dependency and verapamil inhibition. Weiss EB, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):53-66

Separation of the two components of the contractile activity of leukotriene C4 on the guinea pig lung parenchymal strip. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):385-9

Comparative effects of inhaled leukotriene C4, leukotriene D4, and histamine in normal human subjects. Barnes NC, et al. **Thorax** 1984 Jul;39(7):500-4

[Pharmacology of the leukotrienes] Sirois P, et al. **J Pharmacol** 1984;15 Suppl 1:53-68 (81 ref.) (Eng. Abstr.) **(Fre)**

[Leukotrienes] Sirois P, et al. **Sem Hop Paris** 1984 Mar 29; 60(14):979-85 (25 ref.) (Eng. Abstr.) **(Fre)**

[Effect of leukotriene C4, D4 and E4 on canine airway and pulmonary circulatory systems] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jun;21(6):534-8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The platelet-independent release of thromboxane A2 by Paf-acether from guinea-pig lungs involves mechanisms distinct from those for leukotriene. Lefort J, et al. **Br J Pharmacol** 1984 Jul;82(3):565-75

Regulation of human leukocyte function by lipoxygenase products of arachidonic acid. Valone FH. **Contemp Top Immunobiol** 1984;14:155-70

Leukotrienes: mediators of inflammation and immediate hypersensitivity reactions. Malmsten CL. **CRC Crit Rev Immunol** 1984;4(4):307-34 (341 ref.)

Role of calcium in arachidonic acid-induced contractions of guinea pig airways. Saad MH, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):13-20

Investigation of leukotriene involvement in the vasopermeability response associated with guinea pig tracheal anaphylaxis: comparison with cutaneous anaphylaxis. Woodward DF, et al. **Eur J Pharmacol** 1983 Sep 16;93(1-2):9-19

Leukocyte recognition and metabolism of leukotrienes. Goetzl EJ. **Fed Proc** 1983 Nov;42(14):3128-31

Proceedings of a conference on regulation of cellular activities by leukotrienes and other lipoxygenase products of arachidonic acid. November 14-18, 1983, Santa Ynez, California. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 2):309-448

Leukotrienes: clinical significance. Goldyne ME. **J Am Acad Dermatol** 1984 Apr;10(4):659-68 (79 ref.)

Immunopathogenetic roles of leukotrienes in human diseases. Goetzl EJ, et al. **J Clin Immunol** 1984 Mar;4(2):79-84

Leukotrienes: positive signals for regulation of gamma-interferon production. Johnson HM, et al. **J Immunol** 1984 Jan;132(1):413-6

Arachidonic acid and leukotrienes in dermatology. Kragballe K, et al. **J Invest Dermatol** 1983 Oct;81(4):293-6

Arachidonic acid metabolites mediate early burn edema. Alexander F, et al. **J Trauma** 1984 Aug;24(8):709-12

Leukotrienes and the cardiovascular system. Feuerstein G. **Prostaglandins** 1984 May;27(5):781-802 (112 ref.)

Leukotrienes: a new approach to the biochemistry of hypersensitivity. Sirois P, et al. **Surv Immunol Res** 1982; 1(3):279-85 (32 ref.)

[Prostaglandins, thromboxanes and leukotrienes. Their role in cardiovascular diseases, allergic reactions and inflammation] Maclouf J, et al. **Presse Med** 1984 Jan 21; 13(2):91-6 (26 ref.) (Eng. Abstr.) **(Fre)**

[Prostanoids (prostaglandins, thromboxanes, prostacyclin) and leukotrienes] Kecskeméti V. **Orv Hetil** 1983 Dec 4; 124(49):2967-74 (Eng. Abstr.) **(Hun)**

[The effects of Ca++ antagonists nifedipine and nicardipine on slow reacting substance of anaphylaxis (SRS-A) mediated bronchoconstriction in guinea pig] Koshino T.

Arerugi 1984 Jan;33(1):6-16 (Eng. Abstr.) **(Jpn)**
[Effect of leukotriene C4 and D4 on rabbit aorta and pulmonary artery strips] Kitamura S, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Mar;21(3):240-6 (Eng. Abstr.) **(Jpn)**

SECRETION

Effect of arachidonic acid metabolism on the release of histamine and SRS (leukotrienes) from guinea-pig lung. Chakravarty N. **Agents Actions** 1984 Apr;14(3-4):429-34
Eosinophil-rich human polymorphonuclear leukocyte preparations characteristically release leukotriene C4 on ionophore A23187 challenge. Borgeat P, et al.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 2):310-5
Peptide leukotriene release after antigen challenge in patients sensitive to ragweed. Creticos PS, et al. **N Engl J Med** 1984 Jun 21;310(25):1626-30
[Changes in levels of SRS-A and histamine during provoked bronchoconstriction in patients with bronchial asthma] Itoh T. **Arerugi** 1983 Dec;32(12):1172-9 (Eng. Abstr.) **(Jpn)**
[Release of slow-reacting substance of anaphylaxis (SRS-A) from human lung and inhibitory effect by beta-stimulants] Kajita T, et al. **Arerugi** 1984 Jan;33(1):43-51 (Eng. Abstr.) **(Jpn)**
[Slow reacting substance from human peripheral polymorphonuclear leukocytes by incubation with fresh autologous serum and zymosan. Part 2. SRS release from PMN of bronchial asthmatic patients and regulation by histamine] Kishimoto M, et al. **Arerugi** 1984 Jan;33(1):1-5 (Eng. Abstr.) **(Jpn)**
[Effect of lipoxygenase inhibitors, AA-861 and T-22083, on chemical mediators release from sensitized guinea pig lung tissue] Ishihara Y, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Oct; 21(10):984-7 (Eng. Abstr.) **(Jpn)**
[Effects of prostacyclin and its derivatives on the airway, pulmonary vascular system, and chemical mediator release] Kitamura S, et al.
Nippon Kyobu Shikkan Gakkai Zasshi 1983 Apr;21(4):334-9 (Eng. Abstr.) **(Jpn)**
[Effect of tranilast on the release of slow reacting substance of anaphylaxis (SRS-A) and contraction of the smooth muscle] Komatsu H, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):47-55 (Eng. Abstr.) **(Jpn)**
[Effect of traxanox sodium on SRS-A release in bronchial and peritoneal anaphylaxis] Terasawa M, et al.
Nippon Yakurigaku Zasshi 1983 Jul;82(1):93-101 (Eng. Abstr.) **(Jpn)**

TOXICITY

Propranolol potentiates leukotriene D4-induced bronchoconstriction and enhances antagonism by FPL 55712. Kirchner T, et al. **Prostaglandins** 1984 Jan; 27(1):119-29

SSPE VIRUS

GROWTH & DEVELOPMENT

Growth of measles and subacute sclerosing panencephalitis viruses in human neural cell lines. Sakaguchi M, et al. **Microbiol Immunol** 1984;28(4):461-9

IMMUNOLOGY

Subacute sclerosing panencephalitis: fundus changes and histopathologic correlations. De Laey JJ, et al.
Doc Ophthalmol 1983 Dec 15;56(1-2):11-21

PATHOGENICITY

HN glycoprotein of HVJ (Sendai virus) enhances the selective cytotoxicity of diphtheria toxin fragment A-containing liposomes on subacute sclerosing panencephalitis virus-infected cells. Uchida T, et al.
Exp Cell Res 1984 Jun;152(2):313-21

STA-MCA BYPASS see **CEREBRAL REVASCULARIZATION**

STABILIZING AGENTS see **EXCIPIENTS**

STABLE FACTOR see **FACTOR VII**

STACHYBOTRYS see under **MONILIALES**

STAGGERER MICE see **MICE, NEUROLOGIC MUTANTS**

STAGING, NEOPLASM see **NEOPLASM STAGING**

STAINLESS STEEL

Elastic property ratios of a triple-stranded stainless steel arch wire. Kusy RP, et al. **Am J Orthod** 1984 Sep;86(3):177-88
Breakage of AO/ASIF medullary nails. Material related or design tradeoff? Perren SM, et al.
Arch Orthop Trauma Surg 1984;102(3):191-7
Aluminum ion deposition in rat tissues following implantation of a ceramic-metal disc. Drummond JL, et al.
Biomater Med Devices Artif Organs 1983;11(2-3):147-59
XPS analysis of 316 LVM corroded in serum and saline. Merritt K, et al. **Biomater Med Devices Artif Organs** 1983; 11(1):115-24
Analysis of residual stress in failed T-28 femoral stems. Stroud RD, et al. **Biomater Med Devices Artif Organs** 1983; 11(1):13-20
Factors affecting the irreversible attachment of Pseudomonas aeruginosa to stainless steel. Stanley PM.
Can J Microbiol 1983 Nov;29(11):1493-9
Corrosion in metal implants embedded in various locations of the body in rats. Öron U, et al. **Clin Orthop** 1984 May; (185):295-300
Two principles for improving the adaptation of stainless steel crowns to primary molars. Spedding RH.
Dent Clin North Am 1984 Jan;28(1):157-75
Kidney function in stainless steel welders. Littorin M, et al.
Int Arch Occup Environ Health 1984;53(3):279-82
Evaluation of biological monitoring among stainless steel welders. Rahkonen E, et al.
Int Arch Occup Environ Health 1983;52(3):243-55
Interspinous process segmental spinal instrumentation. Drummond D, et al. **J Pediatr Orthop** 1984 Aug; 4(4):397-404
Use of prefabricated stainless steel posts and composite core to restore a maxillary molar following root amputation. Silverman G. **J Prosthet Dent** 1984 Feb;51(2):190-1
'Micro' stainless steel coils for transcatheter vascular occlusion in children. Brunelle F, et al. **Pediatr Radiol** 1983; 13(6):332-4
Comparison of the behavior of stainless and mild steel manual metal arc welding fumes in rat lung. Kalliomäki PL, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):176-80
Elimination of chromium in urine after stainless steel welding. Welinder H, et al. **Scand J Work Environ Health** 1983 Oct; 9(5):397-403
On clinical corrosion of pins. Pameijer CH, et al.
Swed Dent J 1983;7(4):161-7
[Upgrading the corrosion resistance of medical instruments made of chromium steel of the martensite class with electrochemical polishing] Chirkov VK, et al.
Med Tekh 1983 Sep-Oct;(5):44-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Increased corrosion of stainless steel implants in infected plated fractures. Hierholzer S, et al.
Arch Orthop Trauma Surg 1984;102(3):198-200
Metal allergy, metal implants and fracture healing. Brown SA, et al. **Biomater Med Devices Artif Organs** 1983; 11(1):73-81

IMMUNOLOGY

[Sensitization of the body by metal implants] Horský I.
Acta Chir Orthop Traumatol Cech 1984 Apr;51(2):85-7 (Eng. Abstr.) **(Slo)**

METABOLISM

Retention and clearance of stainless steel shieldgas welding fumes in rat lungs. Kalliomäki PL, et al.
Am Ind Hyg Assoc J 1983 Sep;44(9):649-54

PHARMACODYNAMICS

[Experience in coating bridge and clasp prostheses made of stainless steel with titanium nitride] Aleksandrov NM, et al. **Voen Med Zh** 1984 Feb;(2):58-9 **(Rus)**

RADIATION EFFECTS

[Evaluation of correlation between radioactivity and exposure rate of irradiated concrete and stainless steel] Nakamura T, et al. **Radioisotopes** 1983 Dec;32(12):602-8 (Eng. Abstr.) **(Jpn)**

TOXICITY

Pneumoconiotic effects of welding-fume particles from mild and stainless steel deposited in the lung of the rat. Hicks R, et al. **Arch Toxicol** 1984 Mar;55(1):1-10

STAINS AND STAINING

see related
DYES

The value of fluorescein for predicting viability muscle tissue after high-energy trauma. Holmström A.
Acta Chir Scand 1984;150(3):193-7
Manipulating the Papanicolaou staining method. Role of acidity in the EA counterstain. Drijver JS, et al.
Acta Cytol (Baltimore) 1983 Nov-Dec;27(6):693-8
Selective impregnation of developing neurons with the Loyez method and with two kinds of Luxol Fast Blue. Clarke PG. **Acta Histochem (Jena)** 1984;74(2):235-50
Direct ultrastructural demonstration of negative charges in the glomerular basement membrane with phosphotungstic acid at low pH. Quatacker J.
Acta Histochem [Suppl] (Jena) 1984;29:137-9
Orcein positive hepatocellular material in the liver. With special reference to its relationship with human lipofuscin. Tanaka K, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1079-86
Dibasic staining of large epoxy tissue sections and applications to surgical pathology. di Sant' Agnese PA, et al. **Am J Clin Pathol** 1984 Jan;81(1):25-9
Sensitivity of picroindigocarmine/nuclear fast red (PIC/NF) stain for detection of spermatozoa: a serial dilution study of human ejaculate. Leubitz SS, et al.
Am J Clin Pathol 1984 Jan;81(1):90-3
Gall granule sudanophilia? [letter] Marcus JN.
Am J Clin Pathol 1984 Feb;81(2):275-6
Rapid detection of herpes simplex virus using a combination of human fibroblast cell cultures and peroxidase-antiperoxidase staining. Meyer MP, et al.
Am J Clin Pathol 1984 Jan;81(1):43-7
A quantitative ultrastructural evaluation of the cell organelle specificity of the uranaffin reaction in normal human platelets. Payne CM. **Am J Clin Pathol** 1984 Jan;81(1):62-70
Gram's stains of tracheal secretions predict neonatal bacteremia. Sherman MP, et al. **Am J Dis Child** 1984 Sep; 138(9):848-50
Visualization of both peroxidase and acid phosphatase isozymes from flax (Linum) on the same gels. Fieldes MA, et al. **Anal Biochem** 1984 Feb;137(1):146-50
Specific indication of hemoproteins in polyacrylamide gels using a double-staining process. Francis RT Jr, et al.
Anal Biochem 1984 Feb;136(2):509-14
Detection of protein in polyacrylamide gels using an improved silver stain. Marshall T. **Anal Biochem** 1984 Feb; 136(2):340-6
The staining properties of thiazolylazoalkylaminophenol derivatives in histochemical staining of cadmium. Sumi Y, et al. **Basic Appl Histochem** 1984;28(2):137-42
Elastic fibres: histological correlation with orcein and a new monoclonal antibody, HB8. Dawson JF, et al.
Br J Dermatol 1984 May;110(5):539-46
The use of the dye neutral red as a specific, non-toxic, intra-vital stain of islets of Langerhans. Gray DW, et al.
Br J Exp Pathol 1983 Oct;64(5):553-8
Nitroakridin 3582: a fluorescent nitroacridine stain for identifying hypoxic cells. Begg AC, et al. **Br J Radiol** 1983 Dec;56(672):970-3
Lucifer yellow uptake in developing rat retina: selective staining of horizontal cells. Sarthy PV, et al. **Brain Res** 1983 Dec;313(2):275-80
Silver-impregnation of the Golgi complex in epididymal epithelial cells of mice. Yamaoka I, et al.
Cell Struct Funct 1983 Dec;8(4):339-46
Selective staining of the same set of nucleolar phosphoproteins by silver and Giemsa. A combined biochemical and cytochemical study on staining of NORs. Buys CH, et al. **Chromosoma** 1984;89(5):387-96
DNA lysis is involved in the simplified fluorescence plus Giemsa method for differential staining of sister chromatids. Jan KY, et al. **Chromosoma** 1984;89(1):76-8
Hoechst 33342 staining of mouse bone marrow: effects on colony-forming cells. Van Zant G, et al. **Cytometry** 1983 Jul;4(1):40-6
Bismuth staining of a nucleolar protein. Gas N, et al.
Exp Cell Res 1984 Apr;151(2):447-57
Comparison of two supravital stains in examination of human semen and in tests for cytotoxic antibodies to human spermatozoa. Jager S, et al. **Fertil Steril** 1984 Feb; 41(2):294-7
Staining the centrioles with Feulgen and Giemsa. Nokkala S. **Hereditas** 1983;99(1):161-3
The calculation of differences in the colours of histological objects. Marshall PN, et al. **Histochem J** 1984 Feb; 16(2):211-8
Cuprolinic Blue: a specific dye for single-stranded RNA in the presence of magnesium chloride. II. Practical applications for light microscopy. Mendelson D, et al.
Histochem J 1983 Nov;15(11):1113-21
Differential Congo red staining: the effects of pH, non-aqueous solvents and the substrate. Mera SL, et al.
Histochem J 1984 Feb;16(2):195-210
Cuprolinic Blue: a specific dye for single-stranded RNA in the presence of magnesium chloride. I. Fundamental aspects. Tas J, et al. **Histochem J** 1983 Aug;15(8):801-14
Staining of proteoglycans in mouse lung alveoli. II. Characterization of the Cuprolinic blue-positive, anionic sites. van Kuppevelt TH, et al. **Histochem J** 1984 Jun; 16(6):671-86
Staining of proteoglycans in mouse lung alveoli. I. Ultrastructural localization of anionic sites. Van Kuppevelt TH, et al. **Histochem J** 1984 Jun;16(6):657-69
On the nature of Romanowsky—Giemsa staining and its significance for cytochemistry and histochemistry: an overall view. Wittekind DH. **Histochem J** 1983 Oct; 15(10):1029-47 (77 ref.)
A new method for the cytochemical staining of cells immobilized in agarose. Ellsaesser C, et al.
Histochemistry 1984;80(6):559-62
A routine method for diagnosis of early myocardial infarction. Milei J, et al. **Int J Cardiol** 1983 Oct;4(3):319-21
The degradation of Mycobacterium leprae by a comparison of its staining properties. Ridley MJ. **Int J Lepr** 1983 Jun; 51(2):211-8
Non-fluorescent dye staining of primate blue cones. McCrane EP, et al. **Invest Ophthalmol Vis Sci** 1983 Nov; 24(11):1449-55
Cellular responses of Bacillus subtilis and Escherichia coli to the Gram stain. Beveridge TJ, et al. **J Bacteriol** 1983 Nov;156(2):846-58
Chemical mechanism of the Gram stain and synthesis of a new electron-opaque marker for electron microscopy which replaces the iodine mordant of the stain. Davies JA, et al. **J Bacteriol** 1983 Nov;156(2):837-45
Histological staining as a measure of stress in collagen fibers.

Lanir Y, et al. **J Biomech Eng** 1984 May;106(2):174–6

Ag-NOR staining in mouse sarcoma ascites cells. Chaudhuri A, et al. **J Cancer Res Clin Oncol** 1983;106(3):192–4

Phenazine methosulphate and the nitroblue tetrazolium macroreaction for recent myocardial infarction [letter] Flint EJ. **J Clin Pathol** 1984 Apr;37(4):477–8

Detection of Chlamydia trachomatis inclusions in McCoy and HeLa-229 cells: an alternative staining technique using toluidine blue. Mohammed NR, et al. **J Clin Pathol** 1984 Jun;37(6):682–5

The distribution of Timm's stain in the nonsulphide-perfused human hippocampal formation. Cessell MD, et al. **J Comp Neurol** 1984 Jan 20;222(3):461–71

Preservation and staining of Ascaris lumbricoides ova. El-Ridi AM, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):417–21

A specific ultrastructural stain for arylsulfatase A activity in human cultured fibroblasts. Chang PL, et al. **J Histochem Cytochem** 1984 Jun;32(6):617–24

A routine method for contrasting elastin at the ultrastructural level. Franc S, et al. **J Histochem Cytochem** 1984 Feb; 32(2):251–8

Block-staining tissues with potassium ferrocyanide-reduced osmium tetroxide and lead aspartate for electron microscopic radioautography. Kopriwa BM. **J Histochem Cytochem** 1984 May;32(5):552–4

Stepwise amplified immunoperoxidase (PAP) staining. I. Cellular morphology in relation to membrane markers. Lansdorp PM, et al. **J Histochem Cytochem** 1984 Feb; 32(2):172–8

Gram's discovery of his staining technique. Jacobson W. **J Infect** 1983 Sep;7(2):97–101

Centenary of the Gram-stain [letter] Preston NW. **J Infect** 1984 May;8(3):277–8

Staining plastic sections: a review of problems, explanations and possible solutions. Horobin RW. **J Microsc** 1983 Aug; 131 (Pt 2):173–86

A high-resolution staining method for examination of mammalian cell surfaces in the light microscope. Junker S. **J Microsc** 1983 Aug;131 (Pt 2):235–9

Improvement of the intracellular staining of neurons with cobalt lysine by the use of proteolytic enzymes (pronase) [letter] Altrup U. **J Neurosci Methods** 1983 Jul;8(3):303–4

A silver and gold technique for axons and axon-bundles in formalin-fixed central and peripheral nervous tissue. Cruz MC, et al. **J Neurosci Methods** 1984 Jan;10(1):1–8

Simultaneous visualization of Nuclear yellow and iron-dextran complex for demonstration of branched neurons by retrograde axonal transport. Pollin B, et al. **J Neurosci Methods** 1983 Jul;8(3):205–9

Examination for Pneumocystis cysts [letter] Hubbard JD. **J Pediatr** 1984 Jul;105(1):171–2

Rapid diagnosis of neonatal bacteremia with acridine orange-stained buffy coat smears. Kleiman MB, et al. **J Pediatr** 1984 Sep;105(3):419–21

A new method for detecting hepatitis B surface antigen in liver by silver staining. Tovey G, et al. **J Virol Methods** 1983 Jul;7(1):41–4

Induction of hepatic glutathione transferase and suppression of 7,12-dimethylbenz[a]anthracene-induced chromosome aberrations in rat bone marrow cells by Sudan III and related azo dyes. Ito Y, et al. **JNCI** 1984 Jul;73(1):177–83

Stain removal from methacrylate sections. Hards DK. **Med Lab Sci** 1983 Oct;40(4):393–4

Gel protein stains: phosphoproteins. Cutting JA. **Methods Enzymol** 1984;104:451–5

Gel protein stains: glycoproteins. Gander JE. **Methods Enzymol** 1984;104:447–51

Gel protein stains: silver stain. Merril CR, et al. **Methods Enzymol** 1984;104:441–7

Gel protein stains: a rapid procedure. Reisner AH. **Methods Enzymol** 1984;104:439–41

The selective staining mechanism of phosphatase producing colonies in the diphosphatephenolphthalein-methyl green method for the detection of bacterial phosphatase activity. Satta G, et al. **Microbiologica** 1984 Apr;7(2):159–70

Papanicolaou staining—a review. Marshall PN. **Microsc Acta** 1983 May;87(3):233–43 (74 ref.)

Effects of acrylamide and other sulfhydryl compounds in vivo and in vitro on staining of motor nerve terminals by the zinc iodide-osmium technique. Kemplay S, et al. **Muscle Nerve** 1984 Feb;7(2):94–100

The chromosomes of L1210 mouse leukemia cells: G-banding, C-banding, and Ag-staining. Seifertová M. **Neoplasma** 1984;31(1):3–13

The section-Golgi impregnation procedure. 1. Description of the method and its combination with histochemistry after intracellular iontophoresis or retrograde transport of horseradish peroxidase. Freund TF, et al. **Neuroscience** 1983 Jul;9(3):463–74

The section-Golgi impregnation procedure. 2. Immunocytochemical demonstration of glutamate decarboxylase in Golgi-impregnated neurons and in their afferent synaptic boutons in the visual cortex of the cat. Somogyi P, et al. **Neuroscience** 1983 Jul;9(3):475–90

A modified Bodian stain for routine quantitative assessment of axonal degeneration in teased nerve fibers. Aebersold H, et al. **Stain Technol** 1983 Mar;58(2):107–10

Lugol's hematoxylin. Clark G, et al. **Stain Technol** 1983 Jul; 58(4):232–3

Identification in histological sections of species origin of cells from mouse, rat and human. Cunha GR, et al. **Stain Technol** 1984 Jan;59(1):7–12

Immunohistology on formol-sublimate fixed and paraplast embedded kidney tissue with comparison to formalin fixation and to pre-embedding immunofluorescent staining. Enström S. **Stain Technol** 1983 Sep;58(5):259–71

An improved formulation of Nocht's azure-eosin stain for plastic embedded material. Franklin RM, et al. **Stain Technol** 1983 Nov;58(6):353–6

Lucifer yellow, neuronal marking and paraffin sectioning. Kanou M, et al. **Stain Technol** 1983 Jul;58(4):189–92

A modified differential stain for cartilage and bone in whole mount preparations of mammalian fetuses and small vertebrates. Kelly WL, et al. **Stain Technol** 1983 May; 58(3):131–4

A simple method of staining the synaptonemal complex with Coomassie brilliant blue for light microscopy. Nanda I, et al. **Stain Technol** 1983 May;58(3):177–81

The toluidine blue-membrane filter method: absorption spectra of toluidine blue stained bacterial cells and the relationship between absorbance and dry mass of bacteria. O'Toole DK. **Stain Technol** 1983 Nov;58(6):357–64

Visualization of Legionella pneumophila in paraffin sections using hexamine silver. Roy KH. **Stain Technol** 1983 Jul; 58(4):215–8

A highly sensitive chelator for metal staining, bromopyridylazo-diethylaminophenol. Sumi Y, et al. **Stain Technol** 1983 Nov;58(6):325–8

Gallocyanin-chrome alum counterstaining of Golgi-Kopsch impregnations. Tieman SB. **Stain Technol** 1983 May; 58(3):171–5

Simple staining of bacteria and fungi in hide, skin and leather. Webster R. **Stain Technol** 1983 Nov;58(6):315–8

Parathyroid surgery: the role of chief cell intracellular fat staining with osmium carmine in the intraoperative management of patients with primary hyperparathyroidism. Monchik JM, et al. **Surgery** 1983 Dec;94(6):877–86

Lipid droplets in the adrenal cortex of the rat. Preservation after tannic acid-paraformaldehyde-glutaraldehyde fixation and extraction during staining. Nickerson PA. **Tissue Cell** 1983;15(6):975–82

Negative staining characteristics of arrays of mitochondrial pore protein: use of correspondence analysis to classify different staining patterns. Mannella CA, et al. **Ultramicroscopy** 1984;13(1-2):93–102

[100 years of Gram staining. A research contribution from the early founding years of this journal] Vogt HH. **Fortschr Med** 1984 Apr 26;102(16):94–5 **(Ger)**

[Hydrophobic acridine dyes for fluorescence staining of mitochondria in living cells. 1.Thermodynamic and spectroscopic properties of 10-n-alkylacridine orange chlorides] Septinus M, et al. **Histochemistry** 1983; 79(3):443–56 (Eng. Abstr.) **(Ger)**

[Histochemical differential diagnosis of intestinal metaplasia of the stomach—new sialic acid stains] Meessen D, et al. **Leber Magen Darm** 1983 Jul;13(4):131–7 (Eng. Abstr.) **(Ger)**

[Physico-chemical bases for staining in manual and mechanical cytodiagnosis] Zimmermann HW. **Microsc Acta [Suppl]** 1983;6:45–58 (Eng. Abstr.) **(Ger)**

[The value of various stains for the determination of HBsAg in the liver cell. Comparative quantitative histomorphometric studies] Volmer J, et al. **Pathologe** 1984 Jan;5(1):21–6 **(Ger)**

[Contents of nuclear Feulgen-DNA in carcinoma of the breast. Cytophotometric analysis] Ricevuti G, et al. **Arch Sci Med (Torino)** 1983 Oct-Dec;140(4):393–400 (Eng. Abstr.) **(Ita)**

[Immunofluorescent staining properties of amyloid substance in primary localized cutaneous amyloidosis using anti-keratin antibody] Yoneda K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):151–5 **(Jpn)**

[Diagnostic implication of nonspecific esterase stain on biopsied muscles in various neuromuscular disorders] Ishihara T. **Rinsho Shinkeigaku** 1984 Mar;24(3):248–55 (Eng. Abstr.) **(Jpn)**

[Stain behavior of Mycobacterium leprae. A historical review] Siqueira LF, et al. **Rev Saude Publica** 1983 Aug; 17(4):297–315 (Eng. Abstr.) **(Por)**

[Methods of demonstration of the microcirculatory bed using adenosine phosphates and lead nitrate] Stepanov PF, et al. **Arkh Anat Gistol Embriol** 1984 Jun;86(6):90–3 (Eng. Abstr.) **(Rus)**

[Staining blood smears for automated study] Saakian DG, et al. **Lab Delo** 1983;(12):53–4 **(Rus)**

[Method of preparing bone preparations using celloidin glue stained with Amido Black 10B] Iazvinskii II, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):49 **(Rus)**

HISTORY

[The Gram preparation is 100 years old] Medici TC. **Schweiz Rundsch Med Prax** 1983 Dec 13;72(50):1587–91 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A Teflon disk for processing loose serial celloidin sections. Kamstra AW, et al. **Stain Technol** 1983 Jul;58(4):231–2

[A device for mass staining of blood smears] Shermatov KhKh. **Lab Delo** 1983;(7):13–4 **(Rus)**

METHODS

Orthochromatic and metachromatic staining reactions by pyronin Y on Epon semithin sections. Armas-Portela R, et al. **Acta Histochem (Jena)** 1984;74(1):1–4

Ruthenium red staining of polyanion containing structures in sections from epoxy-resin embedded tissues. Gutierrez-Gonzalvez MG, et al. **Acta Histochem (Jena)** 1984;74(1):115–20

Fine localization of sulphated and non-sulphated glycoconjugates in the rabbit oviduct during the estrous cycle. Menghi G, et al. **Acta Histochem (Jena)** 1984; 74(1):121–32

Light and electron microscopic localization of antigenic sites in tissue sections by the protein A-gold technique. Roth J. **Acta Histochem [Suppl] (Jena)** 1984;29:9–22 (62 ref.)

A new application for Klebsiella pneumoniae staining [letter] Senba M, et al. **Am J Clin Pathol** 1984 Sep;82(3):378

Staining for hemochromatosis. Tseng CH. **Am J Med Technol** 1983 Oct;49(10):733–4

Hydatoxi lualba: artifact produced by sulfation [letter] Sibai BM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):854

Localization of unesterified cholesterol in human atherosclerotic lesions. Demonstration of filipin-positive, oil-red-O-negative particles. Kruth HS. **Am J Pathol** 1984 Feb;114(2):201–8

The use of Eriochrome Black A (diamond black) as a counterstain in fluorescent antibody staining techniques for the detection of antibodies to haemoprotozoa. Jones TW, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):535–6

Staining of amyloid with cotton dyes. Yanagihara M, et al. **Arch Dermatol** 1984 Sep;120(9):1184–5

Freeze-fracture of biological specimens prior to conductive staining. Iida N. **Arch Histol Jpn** 1984 Mar;47(1):79–88

A post-embedding method: demonstration of fibronectin on human liver by PAP technique. Badiali De Giorgi L, et al. **Basic Appl Histochem** 1983;27(4):291–5

Horseradish peroxidase labeling of extracellular single unit recording sites. Pugh WW, et al. **Brain Res Bull** 1984 Apr; 12(4):419–23

A rapid, vital staining procedure for flow cytometric analysis of human reticulocytes. Sage BH Jr, et al. **Cytometry** 1983 Nov;4(3):222–7

A method for staining 3T3 cell nuclei with propidium iodide in hypotonic solution. Tate EH, et al. **Cytometry** 1983 Nov; 4(3):211–5

Paired indirect immunoenzyme staining with primary antibodies from the same species. Application of horseradish peroxidase and alkaline phosphatase as sequential labels. Valnes K, et al. **Histochem J** 1984 May; 16(5):477–87

Alcianblue/PAS or PAS/alcianblue? Remarks on a classical technic used in carbohydrate histochemistry. Johannes ML, et al. **Histochemistry** 1984;80(2):129–32

Electron staining of the cell surface coat by osmium-low ferrocyanide. Neiss WF. **Histochemistry** 1984;80(3):231–42

A modification of the amidoblack-TCA-staining for quantitative microspectrometrical determination of proteins in tissue sections. Nöhammer G. **Histochemistry** 1984; 80(4):395–400

The use of Light Green and Orange II as quantitative protein stains, and their combination with the Feulgen method for the simultaneous determination of protein and DNA. Oud PS, et al. **Histochemistry** 1984;80(1):49–57

Comparison of a rapid antibiotic sensitivity testing using tetrazolium dyes with standard Kirby-Bauer technique. Setty CR, et al. **Indian J Pathol Microbiol** 1983 Jul; 26(3):205–8

Staining tissue-derived Mycobacterium leprae with fluorescein diacetate and ethidium bromide. Kvach JT, et al. **Int J Lepr** 1984 Jun;52(2):176–82

Calcofluor staining of cellulose during microcyst differentiation in wild-type and mutant strains of Polysphondylium pallidum. Choi AH, et al. **J Bacteriol** 1984 Jan;157(1):291–6

Simple immunocytochemical staining procedure for lymphoid cell surface markers done on cell smears. Hui PK, et al. **J Clin Pathol** 1984 Jun;37(6):708–9

Rapid demonstration of nucleic acids using 'oxidised' gallocyanin and chromic potassium sulphate: methods and applications. Husain OA, et al. **J Clin Pathol** 1984 Jan; 37(1):99–101

A fluorescent technique for demonstrating the chromatoid bodies and nuclei in cysts of Entamoeba histolytica from faecal deposits [letter] Moody AH. **J Clin Pathol** 1984 Jan; 37(1):101–2

Method for the simultaneous labelling of terminal deoxynucleotidyl transferase (TdT) and membrane antigens. Tavares de Castro J, et al. **J Clin Pathol** 1984 Jun;37(6):628–32

Temporal pattern of HRP spread from an iontophoretic deposit site and description of a new HRP-gel implant method. Fahrbach SE, et al. **J Comp Neurol** 1984 Jun 1; 225(4):605–19

The Timm-stained hippocampus of the European hedgehog: a basal mammalian form. West MJ, et al. **J Comp Neurol** 1984 Jul 10;226(4):477–88

Staining technique for teaching preparation depth in natural teeth. Leach CD. **J Dent Educ** 1983 Sep;47(9):626–8

An in situ cell marker for clonal analysis of development of the extraembryonic endoderm in the mouse. Gardner RL. **J Embryol Exp Morphol** 1984 Apr;80:251–88

Chromoxane cyanine R. II. Staining of animal tissues by the

dye and its iron complexes. Kiernan JA. **J Microsc** 1984 Apr;134 (Pt 1):25–39

Chromoxane cyanine R. I. Physical and chemical properties of the dye and of some of its iron complexes. Kiernan JA. **J Microsc** 1984 Apr;134 (Pt 1):13–23

Silver staining of cell bodies by means of physical development. Merker B. **J Neurosci Methods** 1983 Nov; 9(3):235–41

An improved technique to enhance high-iron diamine reactive sites with thiocarbohydrazide-silver proteinate. Denys FR, et al. **J Nihon Univ Sch Dent** 1983 Jun; 25(2):103–6

Enhancement by p-phenylenediamine of osmium for staining coccidia in cell culture. Douglass TG, et al. **J Parasitol** 1983 Jun;69(3):621–2

A method for increasing the surface details of resin embedded viruses using Congo/Crimean haemorrhagic fever virus as a model. Ellis DS, et al. **J Virol Methods** 1984 Feb; 8(1–2):57–61

An improved staining technique for acetylcholinesterase activity using rubeanic acid in the diagnosis of Hirschsprung's disease. Goto S, et al. **Jpn J Surg** 1984 Mar; 14(2):135–8

Variability of haematoxylin – basic fuchsin – picric acid (HBFP) staining of infarcted myocardium due to tissue storage. Emmanual J, et al. **Malays J Pathol** 1982 Aug; 5:67–9

Identification of the mineralization front: comparison of a modified toluidine blue stain with tetracycline fluorescence. Villanueva AR, et al. **Metab Bone Dis Relat Res** 1983–84; 5(1):41–5

Mercurochrome: a fluorescent and electron opaque dye. Ferrer JM, et al. **Microsc Acta** 1983 May;87(3):293–300

Dual effect of negative staining in thin crystal sheets: demonstration of surface and deep detail. Lange RH. **Mikroskopie** 1983 Dec;40(11–12):317–20

A rapid staining technic for cryptosporidia. Cross RF, et al. **Mod Vet Pract** 1984 Apr;65(4):307

Selective staining technique for identification of human skin elastic fibers. Godeau G. **Pathol Biol (Paris)** 1984 Mar; 32(3):215–6

A simple and rapid technique for preparing histological sections of brain. Shapiro RM, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):1049–50

Rapid estimation of the duration of gamma-ray-induced proliferation delay in human lymphocytes by the harlequin staining technique. Morimoto K, et al. **Radioisotopes** 1984 Jan;33(1):21–5

Negative staining method with nigrosin for the detection of cryptosporidial oocysts: a comparative study. Pohjola S. **Res Vet Sci** 1984 Mar;36(2):217–9

A combined staining technique developed for virus particle observation in the electron microscope. Fonseca ME, et al. **Rev Bras Biol** 1984 Feb;44(1):37–40

Acid-fast bacilli on buffy coat smears in the acquired immunodeficiency syndrome: a lesson from Hansen's bacillus. Graham BS, et al. **South Med J** 1984 Feb; 77(2):246–8

New rapid technique for counting microorganisms directly on membrane filters. Bitton G, et al. **Stain Technol** 1983 Nov;58(6):343–6

Transparent Golgi impregnations: a way to examine both details of cellular processes and components of the nerve cell body. Braak H. **Stain Technol** 1983 Mar;58(2):91–5

Application of dual pre-embedding stains for gonadotropins to pituitary cell monolayers with avidin-biotin (ABC) and peroxidase-antiperoxidase (PAP) complexes: light microscopic studies. Childs GV. **Stain Technol** 1983 Sep; 58(5):281–9

Display of mitochondria in root tip cells. Clapham DH, et al. **Stain Technol** 1983 Sep;58(5):273–9

The Golgi-Hortega-Lavilla technique, with a useful additional step for application to brain tissue after prolonged fixation. D'Amelio FE. **Stain Technol** 1983 Mar; 58(2):79–84

A silver method for counterstaining plastic embedded tissue. Danscher G. **Stain Technol** 1983 Nov;58(6):365–72

Preservation of fine structure in vibratome-cut sections of the central nervous system stained for light microscopy. Dellmann HD, et al. **Stain Technol** 1983 Nov;58(6):319–23

Rapid Nissl staining for frozen sections of fresh brain. Lindroos OF, et al. **Stain Technol** 1983 Jul;58(4):240–2

A new technique for localization of cellulase in situ using silver nitrate. Meur SK, et al. **Stain Technol** 1983 Mar; 58(2):97–100

Staining air dried protoplasts for study of plant chromosomes. Murata M. **Stain Technol** 1983 Mar;58(2):101–6

A toluidine blue-membrane filter method for the quantitative staining of bacteria. O'Toole DK. **Stain Technol** 1983 Sep; 58(5):291–8

A new principle in polychrome staining: a system of automated staining, complementary to hematoxylin and eosin, and usable as a research tool. Shoobridge MP. **Stain Technol** 1983 Sep;58(5):245–58

Improved techniques using Giemsa stained glycol methacrylate tissue sections to quantitate basophils and other leukocytes in inflammatory skin lesions. Vogt RF Jr, et al. **Stain Technol** 1983 Jul;58(4):193–205

Bulk staining of sputum by the Ziehl-Neelsen method. Fodor T. **Tubercle** 1984 Jun;65(2):123–5

[Colorimetric and cytophotometric study of a modified Papanicolaou staining method in cervical cells] Rüter A, et al. **Microsc Acta** 1983 May;87(3):245–69 (Eng. Abstr.) **(Ger)**

[Modified cytologic trichrome stain] Krutsay M. **Zentralbl Allg Pathol** 1984;129(1):43–4 (Eng. Abstr.) **(Ger)**

[Influence of the fixative on immunohistochemical staining. A study of paraffin-embedded histological preparations and cytological smears on glass] Garlaschi C, et al. **Ann Ostet Ginecol Med Perinat** 1983 Jul-Aug;104(4):282–6 (Eng. Abstr.) **(Ita)**

[Hematoxylin and eosin staining of semi-thin sections of aldehyde-osmium tetroxide-fixed tissues embedded in epoxy resin 'Quetol 812'] Kushida T, et al. **Kaibogaku Zasshi** 1984 Feb;59(1):3–8 (Eng. Abstr.) **(Jpn)**

[Staining of the cutaneous nervous system of man by anti-S-100 protein antibodies] Mori O, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1241–3 **(Jpn)**

[Acid alpha-naphthyl acetate esterase (ANAE) staining for observation of T cell invasion of dermal epithelial tumor tissues] Shinoda H. **Nippon Hifuka Gakkai Zasshi** 1983 Oct; 93(11):1195–205 **(Jpn)**

[Culture of mouse embryo for the toxicological evaluation of drugs in vitro. (2). Differential staining of sister chromatids of blastocyst cell] Kamata K, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):419–27 (Eng. Abstr.) **(Jpn)**

[Clinical significance and mechanism of Papanicolaou's stain] Kaneko M, et al. **Rinsho Byori** 1983 Dec;31 Suppl:4–18 **(Jpn)**

[Humoral protein analysis using a combination of agarose isoelectric focusing and silver staining—experimental evaluation of the silver staining method] Kobayashi K, et al. **Rinsho Byori** 1983 Sep;31(9):1012–16 **(Jpn)**

[Cytochemical staining of leukemia cells] Kubonishi I, et al. **Rinsho Byori** 1983 Jun;31(6):577–86 **(Jpn)**

[A convenient marker staining on lymphocyte smears] Mori M, et al. **Rinsho Byori** 1984 Jan;32(1):108–11 **(Jpn)**

[Study of the hematoxylin and eosin staining reaction] Senba M. **Rinsho Byori** 1983 Nov;31(11):1263–5 **(Jpn)**

[New procedure for connective tissue staining in histologic sections] Senba M. **Rinsho Byori** 1983 Dec;31(12):1369–70 **(Jpn)**

[Specific staining method for Pneumocystis carinii] Senba M. **Rinsho Byori** 1984 Jan;32(1):105–7 **(Jpn)**

[Rapid method of staining of blood smears used for the detection of schizocytes in acute disseminated intravascular coagulation] Bomski H. **Pol Tyg Lek** 1983 Apr 11; 38(15):475–8 (Eng. Abstr.) **(Pol)**

[Modification of the basic stain of the Ziehl-Neelsen technic in the identification of Mycobacterium leprae] Siqueira LF, et al. **Hansenol Int** 1982 Dec;7(2):88–94 (Eng. Abstr.) **(Por)**

[Negative staining of viral suspensions] Barth OM. **Rev Bras Biol** 1984 Feb;44(1):71–80 (Eng. Abstr.) **(Por)**

[Method of impregnating nerve cells and blood vessels in brain substance] Riaskova IV. **Arkh Anat Gistol Embriol** 1984 May;86(5):97–9 **(Rus)**

[Modified method of staining semi-thin sections with hematoxylin and eosin] Migalkin NS, et al. **Arkh Patol** 1983; 45(8):88–9 (Eng. Abstr.) **(Rus)**

[Staining of polysaccharides in polyacrylamide gel] Kondrat'eva LA. **Lab Delo** 1984;(4):239–41 (Eng. Abstr.) **(Rus)**

[Method for stabilizing stains during the determination of phosphorus with malachite green] Oletskiĭ EI, et al. **Lab Delo** 1984;(4):254 **(Rus)**

[Preparation of the initial (mother) solution of the Romanovskiĭ-Giemsa stain from azure eosin powder by Romanovskiĭ's method] Rabinovich SA, et al. **Med Parazitol (Mosk)** 1983 Nov-Dec;(6):80–1 **(Rus)**

[Acid hydrolysis characteristics of spleen colony cells under Feulgen staining] Kuz'mina LV, et al. **Tsitologiia** 1983 Nov; 25(11):1335–40 (Eng. Abstr.) **(Rus)**

STANDARDS

The compactness of populations of neutrophilic leucocytes as revealed by the new azure B-eosine stain, Pappenheim's stain and the peroxidase reaction. Kurz H, et al. **Blut** 1984 Jan;48(1):49–52

ICSH reference method for staining of blood and bone marrow films by azure B and eosin Y (Romanowsky stain). International Committee for Standardization in Haematology. **Br J Haematol** 1984 Aug;57(4):707–10

Accuracy of staining technique for detecting mycobacterial infection. Alonso K. **South Med J** 1984 Feb;77(2):159–60

STAMMERING see **STUTTERING**

STANDARD PREPARATIONS see **REFERENCE STANDARDS**

STANDARDS, REFERENCE see **REFERENCE STANDARDS**

STANFORD-BINET TEST see under **INTELLIGENCE TESTS**

STANNUM see **TIN**

STANOLONE

ADMINISTRATION & DOSAGE

Thymic sensitivity to sex hormones develops post-natally; an in vivo and an in vitro study. Barr IG, et al. **J Immunol** 1984 Mar;132(3):1095–9

ADVERSE EFFECTS

[Polycythemia associated with breast cancer and bone metastases. Role of androgen therapy (letter)] Dine G, et al. **Presse Med** 1984 Jun 9;13(24):1511–2 **(Fre)**

ANALOGS & DERIVATIVES

Concomitant falls of plasma cortisol and ACTH levels in a case of Cushing's disease during treatment with trilostane. Nomura K, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):93–8

Double-blind cross over treatment with mesterolone and placebo of subfertile oligozoospermic men value of testicular biopsy. Aafjes JH, et al. **Andrologia** 1983;15 Spec No:531–5

Effects of testosterone, dihydrotestosterone and estradiol on gonadotropin release after gonadotropin releasing hormone administration in cyclic mares. Thompson DL Jr, et al. **Biol Reprod** 1983 Nov;29(4):970–6

A cytochemical section bioassay for plasma trilostane: an orally active inhibitor of 3 beta-hydroxysteroid dehydrogenase activity. Earnshaw RJ, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):13–21

Inhibition of 3-beta-hydroxy steroid dehydrogenase activity in first trimester human pregnancy with trilostane and WIN 32729. van der Spuy ZM, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):521–31

Inhibition of 5 alpha-reductase activity and alteration of nuclear testosterone. Dihydrotestosterone ratio in human genital skin fibroblasts. Berkovitz GD, et al. **J Androl** 1984 May-Jun;5(3):171–5

Induction of transient functional luteolysis in cyclic sheep by a 3 beta-hydroxysteroid dehydrogenase inhibitor. Jenkin G, et al. **J Endocrinol** 1984 Jan;100(1):61–6

Steroidogenesis inhibitors. 1. Adrenal inhibitory and interceptive activity of trilostane and related compounds. Christiansen RG, et al. **J Med Chem** 1984 Jul;27(7):928–31

Determination of 17 beta-hydroxy-1 alpha-methyl-17 alpha-propyl-5-alpha-androstan-3-one in plasma by gas chromatography-mass spectrometry with single-ion detection. Krause W, et al. **J Pharm Sci** 1984 Apr; 73(4):563–4

11 beta-Hydroxy-11-ketosteroids equilibrium, a source of misinterpretation in steroid synthesis: evidence through the effects of trilostane on 11 beta-hydroxysteroid dehydrogenase in sheep and human adrenals in vitro. Touitou Y, et al. **J Steroid Biochem** 1984 Mar;20(3):763–8

The effects of mesterolone, a male sex hormone in depressed patients (a double blind controlled study). Itil TM, et al. **Methods Find Exp Clin Pharmacol** 1984 Jun;6(6):331–7

On the specificity of the inhibitory effect of trilostane and aminoglutethimide on adrenocortical steroidogenesis in guinea pig. Lambert F, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):115–20

Inhibition of ovulation in rats with epostane, an inhibitor of 3 beta-hydroxysteroid dehydrogenase. Snyder BW, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):238–42

Metabolism of 17 alpha-methyl-5 beta-dihydrotestosterone in the rabbit. Templeton JF, et al. **Steroids** 1983 Apr; 41(4):493–500

[Treatment of fertility disturbances in the male with a combination of mesterolone and kallikrein] Schirren C, et al. **Andrologia** 1983;15 Spec No:523–5 (Eng. Abstr.) **(Ger)**

[Therapy of primary aldosteronism with trilostane] Winterberg B, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1735–8 (Eng. Abstr.) **(Ger)**

[Trilostane therapy in patients with hypercorticism] Saito Z, et al. **Horumon To Rinsho** 1984 Jan;32(1):53–8 **(Jpn)**

[Usefulness of Mesterolone (Proviron-Schering)] Dudkiewicz J, et al. **Ginekol Pol** 1983 Jul;54(7):497–501 (Eng. Abstr.) **(Pol)**

ANALYSIS

Testosterone and dihydrotestosterone seminal plasma levels in varicocele patients. Andó S, et al. **Andrologia** 1983 Jul-Aug;15(4):374–9

Comparison of prostatic cancer tissue dihydrotestosterone levels at the time of relapse following orchiectomy or estrogen therapy. Geller J, et al. **J Urol** 1984 Oct; 132(4):693–6

Androgen receptor assays in advanced prostatic cancer. Buttyan R, et al. **Urol Clin North Am** 1984 May;11(2):311–7 (53 ref.)

[Correlations between DHT levels and NBS of R1881 receptor in total tissue, cytosol and nuclear extract of human prostate] Morioka M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):96–103 (Eng. Abstr.) **(Jpn)**

[R 1881 binding receptor and DHT concentrations in prostatic cytosol] Morioka M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20;59(9):1228–36 (Eng. Abstr.) **(Jpn)**

[Quantitative determination of proteins in the cytosol

fractions of human and rat sex steroids after precipitation with protamine sulfate] Degtiar' VG, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):122-6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Synthesis of testosterone and 5 alpha-reduced androgens during initiation of spermatogenesis in the rat. Kula K, et al. **Andrologia** 1983 Nov-Dec;15(6):627-34

Metabolism of testosterone to 17 beta-hydroxy-5 alpha-androstane-3-one and 5 alpha-androstane-3 alpha, 17 beta-diol in alveolar macrophages from rat lung. Lofthus R, et al. **J Steroid Biochem** 1984 Jun;20(6A):1243-6

BLOOD

Plasma steroids and sex hormone binding globulin estimation. O'Carroll RE. **Clin Chim Acta** 1983 Oct 31;134(1-2):229-31

Androgen metabolism in vitro by human leukocytes, variations with sex and age. Clair P, et al. **J Steroid Biochem** 1984 Jan;20(1):377-81

Plasma concentrations of testosterone and 5 alpha-dihydrotestosterone around luteolysis in goats and their behavioural effects after ovariectomy. Homeida AM, et al. **J Steroid Biochem** 1984 Jun;20(6A):1357-9

Testosterone, 17 beta-hydroxy-5 alpha-androstan-3-one and 4-androstene-3, 17-dione in the plasma of male and female grey squirrels (Sciurus carolinensis). Webley GE, et al. **J Steroid Biochem** 1984 May;20(5):1207-9

DIAGNOSTIC USE

Androgens in the feedback regulation of gonadotropin secretion in men: effects of administration of dihydrotestosterone to eugonadal and agonadal subjects and of spironolactone to eugonadal subjects. Gooren LJ, et al. **Andrologia** 1984 Jul-Aug;16(4):289-98

Role of endogenous opiates in the expression of negative feedback actions of androgen and estrogen on pulsatile properties of luteinizing hormone secretion in man. Veldhuis JD, et al. **J Clin Invest** 1984 Jul;74(1):47-55

Carrier detection in the testicular feminisation syndrome: deficient 5 alpha-dihydrotestosterone binding in cultured skin fibroblasts from the mothers of patients with complete androgen insensitivity. Hodgins MB, et al. **J Med Genet** 1984 Jun;21(3):178-81

IMMUNOLOGY

Improvement of specificity of anti-testosterone (T) and anti-5 alpha-dihydrotestosterone (DHT) rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jan;20(1):479-85

Improvement of specificity of anti-testosterone and anti-5 alpha-dihydrotestosterone rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jun;20(6A):1345-52

ISOLATION & PURIFICATION

Rapid and reliable separation of 5 alpha-dihydrotestosterone from testosterone on silica gel microcolumns. Hämäläinen EK, et al. **Clin Chim Acta** 1984 May 30;139(2):173-7

METABOLISM

Testosterone, dihydrotestosterone, androstenedione and dehydroepiandrosterone concentrations in placentae, ovaries and plasma of the rat in late pregnancy. Legrand C, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):119-25

Familial external genital ambiguity due to a transformation defect of androgen-receptor complexes that is expressed with 5 alpha-dihydrotestosterone and the synthetic androgen methyltrienolone. Kaufman M, et al. **Am J Med Genet** 1984 Jul;18(3):493-507

Ethanol directly increases dihydrotestosterone conversion to 5 alpha-androstan-3 beta,17 beta-diol and 5 alpha-androstan-3 alpha,17 beta-diol in rat Leydig cells. Murono EP, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):558-65

Androgen receptor binding to nuclear matrix in vitro and its inhibition by 8S androgen receptor promoting factor. Colvard DS, et al. **Biochemistry** 1984 Jul 17;23(15):3479-86

Zinc potentiation of androgen receptor binding to nuclei in vitro. Colvard DS, et al. **Biochemistry** 1984 Jul 17; 23(15):3471-8

Androgen receptor systems in the brain stem of the primate. Sheridan PJ, et al. **Brain Res** 1982 Mar 11;235(2):225-32

Dihydrotestosterone concentration of beagle prostatic tissue: effect of age and hyperplasia. Ewing LL, et al. **Endocrinology** 1983 Dec;113(6):2004-9

Relative binding affinity of anabolic-androgenic steroids: comparison of the binding to the androgen receptors in skeletal muscle and in prostate, as well as to sex hormone-binding globulin. Saartok T, et al. **Endocrinology** 1984 Jun;114(6):2100-6

Differences in the physicochemical characteristics of androgen-receptor complexes formed in vivo and in vitro. Traish AM, et al. **Endocrinology** 1984 May;114(5):1761-9

Effect of castration on the metabolism of androgens in rat skeletal muscle. Warrenski J, et al. **Int J Biochem** 1983; 15(9):1149-53

Inhibition of 5 alpha-reductase activity and alteration of nuclear testosterone. Dihydrotestosterone ratio in human genital skin fibroblasts. Berkovitz GD, et al. **J Androl** 1984 May-Jun;5(3):171-5

Tissue dihydrotestosterone levels and clinical response to hormonal therapy in patients with advanced prostate cancer. Geller J, et al. **J Clin Endocrinol Metab** 1984 Jan; 58(1):36-40

Tissue content of dihydrotestosterone in human prostatic hyperplasis is not supranormal. Walsh PC, et al. **J Clin Invest** 1983 Nov;72(5):1772-7

Binding of progestagens to receptor proteins in MCF-7 cells. Bergink EW, et al. **J Steroid Biochem** 1983 Nov; 19(5):1563-70

Human androgen insensitivity mutation does not alter oligonucleotide recognition by the androgen receptor-DHT complex. Brown TR, et al. **Mol Cell Endocrinol** 1983 Oct;32(2-3):215-31

Abnormality of intracellular 5 alpha-dihydrotestosterone binding in simple hypospadias: studies on equilibrium steroid binding in sonicates of genital skin fibroblasts. Keenan BS, et al. **Pediatr Res** 1984 Feb;18(2):216-20

Characterization of steroid binding specificity of the androgen receptor in human foreskin fibroblasts. Cunningham GR, et al. **Steroids** 1983 May;41(5):617-26

Characteristics of the cytoplasmic and nuclear dihydrotestosterone receptors of human thymic tissue. Grossman CJ, et al. **Steroids** 1983 Jul;42(1):11-22

Autoradiographic demonstration of binding sites for oestradiol and dihydrotestosterone in the urinary tract of male and female baboons. Weaker FJ, et al. **Urol Res** 1983; 11(3):127-30

[Androgen, prog_stin and estrogen receptors in the normal human prostate and in pathology] Gerasimova TsI, et al. **Sov Med** 1984;(6):32-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Androgen influences on glucosamine 6-phosphate synthase in the epididymis of the rat. Rukmini V, et al. **Arch Androl** 1983 Aug;11(1):29-31

Effects of neonatal testicular hormones on preference behaviour in the rat. Merkx J. **Behav Brain Res** 1984 Apr; 12(1):1-7

Differential actions of FSH and androgens on progesterone catabolism by rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):694-9

Carbonic anhydrase II isoenzyme in rat liver is under hormonal control. Jeffery S, et al. **Biochem J** 1984 Aug 1;221(3):927-9

Effect of steroid hormone treatment on aryl hydrocarbon hydroxylase activity in the Syrian hamster kidney. Li SA, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2847-50

Inhibition of testosterone metabolism in cultured rat epididymal principal cells by dihydrotestosterone and progesterone. Brown DV, et al. **Biol Reprod** 1984 Feb; 30(1):67-73

Estrogen-androgen interaction: selective inhibition of estrogen-induced uterine peroxidase by testosterone and 5 alpha-dihydrotestosterone. Jellinck PH, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):779-83

Characterization of a human, sex steroid-responsive transitional cell carcinoma maintained as a tumor line (R198) in athymic nude mice. Reid LM, et al. **Cancer Res** 1984 Oct;44(10):4560-73

Androgenic control of acetate incorporation into phospholipids and triacylglycerols in rat ventral prostate. Del Hoyo, et al. **Comp Biochem Physiol [B]** 1984; 78(1):299-302

Effects of androgens on fertilizing capacity of human spermatozoa. Chan SY, et al. **Contraception** 1983 Nov; 28(5):481-8

Site of action of androgens on follicle-stimulating hormone-induced aromatase activity in cultured rat granulosa cells. Daniel SA, et al. **Endocrinology** 1984 Jun; 114(6):1975-82

Androgen stimulation of nucleotide pyrophosphatase during mullerian duct regression. Fallat ME, et al. **Endocrinology** 1984 May;114(5):1592-8

Androgens regulate brain aromatase activity in adult male rats through a receptor mechanism. Roselli CE, et al. **Endocrinology** 1984 Jun;114(6):2183-9

Analysis of androgen-sensitivity in rat prostate X mouse kidney cell hybrids. Judge SM, et al. **Exp Cell Res** 1984 Jul;153(1):145-57

Androgenic repression of the messenger RNA for a 26.3-kDa hepatic protein in the rat. Chatterjee B, et al. **FEBS Lett** 1984 May 7;170(1):114-6

The effect of 5 alpha-dihydrotestosterone and 5 beta-dihydrotestosterone on erythropoiesis of the newt, Triturus cristatus carnifex (Laur.). Garavini C, et al. **Gen Comp Endocrinol** 1984 May;54(2):188-93

The role of androgen in the development of sexual differences in pituitary responsiveness to gonadotropin releasing hormone (GnRH) agonist in the bullfrog, Rana catesbeiana. McCreery BR, et al. **Gen Comp Endocrinol** 1984 Jun; 54(3):350-9

Differential maintenance of penile responses and copulatory behavior by gonadal hormones in castrated male rats. Meisel RL, et al. **Horm Behav** 1984 Mar;18(1):56-64

Studies on the effects of low doses of 5 alpha-dihydrotestosterone (DHT) on the basal levels of serum gonadotropins and the sensitivity of the pituitary to luteinizing hormone releasing hormone (LHRH) in adult male rats. Karanth S, et al. **Horm Metab Res** 1984 Jan; 16(1):32-6

Prolactin secretion in the human male is increased by endogenous oestrogens and decreased by exogenous/endogenous androgens. Gooren LJ, et al. **Int J Androl** 1984 Feb;7(1):53-60

The effects of sex steroids on ulnar growth during adolescence. Cassorla FG, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):717-20

Effects of 10 days administration of percutaneous dihydrotestosterone on the pituitary-testicular axis in normal men. Kuhn JM, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):231-5

Relative potencies of testosterone and 5 alpha-dihydrotestosterone on crowing and cloacal gland growth in the Japanese quail (Coturnix coturnix japonica). Balthazart J, et al. **J Endocrinol** 1984 Jan;100(1):19-23

Suppression of LH secretion by oestradiol, dihydrotestosterone and trenbolone acetate in the acutely castrated bull. Gettys TW, et al. **J Endocrinol** 1984 Jan; 100(1):107-12

Gonadal steroid modulation of naloxone-induced LH secretion in the rat. Petraglia F, et al. **J Endocrinol** 1984 Apr;101(1):33-9

Effects of pharmacological doses of testosterone and dihydrotestosterone on the hypothalamic-pituitary axis function of Klinefelter patients. Forti G, et al. **J Endocrinol Invest** 1983 Aug;6(4):297-300

Addition of androgens to cultured hamster epididymis increases zona recognition by immature spermatozoa. Cuasnicú PS, et al. **J Reprod Fertil** 1984 Mar;70(2):541-7

Behavioural and morphological effects of 5 alpha-dihydrotestosterone and oestradiol-17 beta in the prepubertally castrated boar. Parrott RF, et al. **J Reprod Fertil** 1984 Jul;71(2):453-61

Irreversible androgen induced growth in seminal vesicle smooth muscle. Mariotti A, et al. **J Steroid Biochem** 1984 Jun;20(6A):1361-3

In vivo estradiol production in postovulatory ovaries is enhanced by administration of testosterone but not by 5 alpha-dihydrotestosterone. Suzuki K, et al. **Mol Cell Endocrinol** 1984 Feb;34(2):121-6

Androgenic modulation of progesterone metabolism by rat granulosa cells in culture. Duleba AJ, et al. **Steroids** 1983 Sep;42(3):321-30

Neonatal gonadal hormone treatments and adult open-field behavior in female rats. Yoshimura H, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):81-5

PHYSIOLOGY

Testosterone and dihydrotestosterone concentrations in elephant serum and temporal gland secretions. Rasmussen LE, et al. **Biol Reprod** 1984 Mar;30(2):352-62

Endocrine dependence of prostatic cancer upon dihydrotestosterone and not upon testosterone. Petrow V, et al. **J Pharm Pharmacol** 1984 May;36(5):352-3

SECRETION

The effect of prolactin on estradiol-17 beta and testosterone plus 5 alpha-dihydrotestosterone secretion by porcine luteal cells in vitro. Przala J, et al. **Exp Clin Endocrinol** 1984 May;83(3):343-8

THERAPEUTIC USE

Studies on the treatment of idiopathic gynaecomastia with percutaneous dihydrotestosterone. Kuhn JM, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):513-20

STANOZOLOL

ADMINISTRATION & DOSAGE

Oral stanozolol: effects on plasma and saliva fibrinolysis and plasma viscosity in normal males. Small M, et al. **Thromb Res** 1983 Jul 15;31(2):233-7

PHARMACODYNAMICS

Effects of glucocorticoids and anabolic steroids on cells derived from human skeletal and articular tissues in vitro. Gallagher JA, et al. **Adv Exp Med Biol** 1984;171:279-91

Alteration of hormone levels in normal males given the anabolic steroid stanozolol. Small M, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):49-55

Effect of stanozolol on delta-aminolaevulinic acid synthase and hepatic monooxygenase activity in man and rat. Thompson GG, et al. **Eur J Clin Pharmacol** 1984; 26(5):587-90

Studies on the metabolic mechanism of reduced high density lipoproteins during anabolic steroid therapy. Haffner SM, et al. **Metabolism** 1983 Apr;32(4):413-20

Preliminary report: kinetic studies on the modulation of high-density lipoprotein, apolipoprotein, and subfraction metabolism by sex steroids in a postmenopausal woman. Hazzard WR, et al. **Metabolism** 1984 Sep;33(9):779-84

Stanozolol-induced changes in fibrinolysis and coagulation in healthy adults. Kluft C, et al. **Thromb Haemost** 1984 Apr 30;51(2):157-64

Haemostatic effects of stanozolol in elderly medical patients. Small M, et al. **Thromb Res** 1984 Aug 1;35(3):353-8

THERAPEUTIC USE

Prophylactic antithrombotic therapy with stanozolol in

patients with familial antithrombin III deficiency. Winter JH, et al. **Br J Haematol** 1984 Jul;57(3):527–37

A double-blind trial of intramuscular stanozolol in the prevention of postoperative deep vein thrombosis following elective abdominal surgery. Blamey SL, et al. **Thromb Haemost** 1984 Feb 28;51(1):71–4

Protein C, an anticoagulant protein, is increased in healthy volunteers and surgical patients after treatment with stanozolol. Kluft C, et al. **Thromb Res** 1984 Feb 1; 33(3):297–304

STAPEDIUS see under **MUSCLES**

STAPES see under **EAR OSSICLES**

STAPES MOBILIZATION

ADVERSE EFFECTS

[Protrusion of the jugular bulb into the middle ear. Report of a case] Castro Chico G. **An Otorrinolaringol Ibero Am** 1984;11(3):183–94 (Eng. Abstr.) **(Spa)**

METHODS

Triple ossicular fixation. Armstrong BW. **Laryngoscope** 1976 Feb;86(2):241–2

Stapes fixation in chronic middle ear disease. Shea MC. **Laryngoscope** 1976 Feb;86(2):230–2

Symposium: Congenital anomalies of the middle ear. I. Epitympanic fixation of incus and malleus. Tabb HG. **Laryngoscope** 1976 Feb;86(2):243–6

STAPES SURGERY

Operative treatment for otosclerosis. Comparative study of long-term results following substitution of stapes by free cartilage grafts. Pfaltz CR, et al. **Arch Otorhinolaryngol** 1984;240(1):65–72

Clinical features of female heterozygotes in the X-linked mixed deafness syndrome (with perilymphatic gusher during stapes surgery). Cremers CW, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):179–85

Pathology as it relates to ear surgery. V. Ossiculoplasty. Belal A Jr, et al. **J Laryngol Otol** 1984 Mar;98(3):229–40

Plastipore ossicular prostheses. A histological evaluation. Gamoletti R, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(2):69–73

Stapedectomy in osteogenesis imperfecta. Pedersen U, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):330–7

Influence of argon laser stapedotomy on inner ear function and temperature. Vollrath M, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):521–6

Revision of previous stapedectomy, tympanoplasty, mastoidectomy, or endolymphatic shunt. Turner JS Jr. **South Med J** 1983 Dec;76(12):1493–5

[Surgery of the footplate of the stapes excluding otosponglosis: critical study of a series of 60 cases] Poncet E, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(8):587–92 (Eng. Abstr.) **(Fre)**

[Functional results of stapes surgery] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Sep;62(9):387–90 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

The perilymphatic fistula. Halvey A, et al. **Am J Otol** 1983 Oct;5(2):109–12

Perilymphatic gusher and stapes surgery. A predictable complication? Cremers CW, et al. **Clin Otolaryngol** 1983 Aug;8(4):235–40

Labyrinthine changes after stapedectomy [letter] Zari Z, et al. **Ear Nose Throat J** 1984 Jun;63(6):301–3

Long-term results of bilateral stapedectomy. Faye-Lund H, et al. **J Laryngol Otol** 1984 Mar;98(3):247–54

[X-recessive hereditary progressive mixed hypoacusis with excessive discharge of perilymph during stapes surgery] Cremers CW. **Ned Tijdschr Geneeskd** 1983 Nov 26; 127(48):2184–8 (Eng. Abstr.) **(Dut)**

[Otoliquorrhea in footplate surgery] Pech A, et al. **J Fr Otorhinolaryngol** 1983 Sep;32(7):439–46 **(Fre)**

[Postoperative treatment after ear surgery] Hildmann H. **HNO** 1983 Dec;31(12):432–5 (Eng. Abstr.) **(Ger)**

EDUCATION

Stapedectomy in residency training. Engel TL, et al. **Laryngoscope** 1984 Jun;94(6):768–71

HISTORY

History of stapedectomy. Hillel AD. **Am J Otolaryngol** 1983 Mar-Apr;4(2):131–40

METHODS

Technique for otosclerosis. Causse JB, et al. **Am J Otol** 1984 Jul;5(5):392–6

Otosclerosis: small hole technique. Marquet J. **J Laryngol Otol [Suppl]** 1983;8:78–80

Ossicular chain reconstruction. Glasscock ME 3d. **Laryngoscope** 1976 Feb;86(2):211–21

Techniques in incus transposition and replacement. Hicks JN. **Laryngoscope** 1976 Feb;86(2):222–3

Partial vs. total footplate removal in stapedectomy: a comparative study. Moon CN Jr, et al. **Laryngoscope** 1984 Jul;94(7):912–5

Ossicular reconstruction in tympanoplasty – mobile stapes without crural arches, fixed stapes with and without crural arches. Moon CN Jr. **Laryngoscope** 1976 Feb;86(2):233–6

Symposium: Methods of reconstruction in tympanoplasty. I. Management of fixation of malleolus head and incudal body in tympanoplasty. Pennington CL. **Laryngoscope** 1976 Feb; 86(2):173–8

Plastipore total ossicular replacement prosthesis. Shea J. **Laryngoscope** 1976 Feb;86(2):239–40

Ossicular fixation to the tegmen. Singleton GT. **Laryngoscope** 1976 Feb;86(2):209–10

The use of tragal cartilage in ossicular reconstruction. Spencer JT Jr. **Laryngoscope** 1976 Feb;86(2):224–9

A method of restoration of hearing in tympanoplasty with absence of the incus and stapes crura. Tabb HG. **Laryngoscope** 1976 Feb;86(2):237–8

Small fenestra stapedectomy technique: reducing risk and improving hearing. Bailey HA Jr, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):516–20

[Pistons in revision after Schuknecht's stapediplasty] Zelený M, et al. **Cesk Otolaryngol** 1983 Nov;32(6):321–6 (Eng. Abstr.) **(Cze)**

[Aluminum oxide ceramic PORP and TORP prostheses] Broess AA. **Acta Otorhinolaryngol Belg** 1983;37(5):726–34 (Eng. Abstr.) **(Dut)**

[TORP and PORP; plastipore - porcelain] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):717–25 **(Fre)**

[The tabor stapes replacement prosthesis] Sade J, et al. **Harefuah** 1983 Mar 15;104(6):222–4 (Eng. Abstr.) **(Heb)**

STAPHYLOCOAGULASE see **COAGULASE**

STAPHYLOCOCCAL FOOD POISONING

DRUG THERAPY

[Lidamidine. Treatment of staphylococcal food poisoning] Heredia Díaz JG, et al. **Salud Publica Mex** 1983 Jul-Aug; 25(4):367–71 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Staphylococcal food poisoning associated with an Easter egg hunt. Merrill GA, et al. **JAMA** 1984 Aug 24–31; 252(8):1019–22

[A report of staphylococcal food poisoning caused by enterotoxin types A and B] Liu YX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):331–2 (Eng. Abstr.) **(Chi)**

[Staphylococcal poisoning of a travel group] Eschment R. **Off Gesundheitswes** 1983 Oct;45(10):511 **(Ger)**

MICROBIOLOGY

Enterotoxin production, phage typing and serotyping of Staphylococcus aureus strains isolated from clinical materials and food. Melconian AK, et al. **J Hyg (Lond)** 1983 Oct;91(2):235–42

[Phage typing of Staphylococcus aureus strains isolated from foods and patients with a clinical picture of food poisoning] Aguilar Benavidez S, et al. **Salud Publica Mex** 1983 Jul-Aug;25(4):419–21 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Staphylococcal food poisoning in the United States. New facts and old misconceptions. Holmberg SD, et al. **JAMA** 1984 Jan 27;251(4):487–9

[An outbreak of food poisoning] Heredia Díaz JG, et al. **Salud Publica Mex** 1983 Jul-Aug;25(4):359–65 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Animal experimental studies of passive oral immunization against staphylococcal enterotoxin B (SEB)] Hahn G. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):138–45 (Eng. Abstr.) **(Ger)**

STAPHYLOCOCCAL INFECTIONS

see related
CROSS INFECTION

Changing spectrum of infective endocarditis in children. Analysis of 26 cases, 1970–1979. Stanton BF, et al. **Am J Dis Child** 1984 Aug;138(8):720–5

Xanthogranulomatous pyelonephritis caused by methicillin-resistant Staphylococcus aureus. Treadwell TL, et al. **Am J Med** 1984 Mar;76(3):533–7

Staphylococcus epidermidis infections. Lowy FD, et al. **Ann Intern Med** 1983 Dec;99(6):834–9 (93 ref.)

Pyogenic osteomyelitis presenting as an acute sterile arthropathy. Platt PN, et al. **Ann Rheum Dis** 1984 Aug; 43(4):607–9

Acquired tricuspid incompetence in children: pitfalls in the clinical diagnosis of its aetiology. Jaiyesimi F, et al. **Ann Trop Paediatr** 1983 Jun;3(2):69–77

Primary peritonitis in children. Sen S, et al. **Ann Trop Paediatr** 1983 Jun;3(2):53–6

Cellulitis caused by Staphylococcus epidermidis in a patient with leukemia. Pitlik S, et al. **Arch Dermatol** 1984 Aug; 120(8):1099–100

Staphylococcal toxic-shock syndrome: mixture of toxins including endotoxin [letter] Fumarola D, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):112–4

Bilateral intracranial granulomas as a complication of infected subdural peritoneal shunt. Ono J, et al. **Brain Dev** 1983; 5(5):499–503

Acute osteomyelitis in Marondera: cause for concern. Jayaguru AS, et al. **Cent Afr J Med** 1983 Oct;29(10):191–3

Toxic shock following staphylococcal peritonitis. Gregory MC, et al. **Clin Nephrol** 1983 Aug;20(2):101–4

Bacterial pneumonia following surgery for chronic osteomyelitis [letter] Oni OO. **Clin Orthop** 1984 Jan-Feb; (182):310–1

The untamable staphylococci: continuous problems in infectious diseases. Liu C. **Compr Ther** 1984 Jun;10(6):49–54

Staphylococcal toxic shock syndrome--an autopsy report. Sharma SC, et al. **Indian J Pathol Microbiol** 1983 Jul; 26(3):217–9

Botryomycosis. Hacker P. **Int J Dermatol** 1983 Oct; 22(8):455–8

Lumbosarcal neuropathy and venous thrombosis complicating sacroiliitis. Fitzgerald O, et al. **Ir J Med Sci** 1983 Dec;152(12):456–8

Pruritus ani and Staphylococcus aureus [letter] Baral J. **J Am Acad Dermatol** 1983 Dec;9(6):962

Neonatal osteomyelitis. Staalman CR, et al. **J Belge Radiol** 1984;67(1):7–11

Postoperative toxic shock syndrome following osteoplasty of the hip. A case report. Irvine GW, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):955–8

Fatal toxic shock syndrome as a complication of orthopaedic surgery. A case report. Rovner RA, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):952–4

Histopathology and pathogenesis of mouse mastitis induced with Staphylococcus aureus mutants. Haraldsson I, et al. **J Comp Pathol** 1984 Apr;94(2):183–96

Serious staphylococcal infections in children: a review of 30 patients. Thisyakorn U, et al. **J Med Assoc Thai** 1984 Jan;67(1):1–7

Intradiaphragmatic abscess. Farquharson SM. **J R Coll Surg Edinb** 1984 Mar;29(2):117–8

Pelvic abscess associated with a Lippes loop. An unusual case. Hochner-Celnikier D, et al. **J Reprod Med** 1983 Aug; 28(8):542–5

Staphylococcus aureus. The persistent pathogen (second of two parts). Sheagren JN. **N Engl J Med** 1984 May 31; 310(22):1437–42 (57 ref.)

Septicemia due to coagulase-negative staphylococci in a neonatal intensive care unit: clinical and bacteriological features and contaminated parenteral fluids as a source of sepsis. Fleer A, et al. **Pediatr Infect Dis** 1983 Nov-Dec; 2(6):426–31

Symposium on staphylococcal septicaemia and endocarditis. Lund, Sweden, March 17–18, 1983. **Scand J Infect Dis [Suppl]** 1983;41:1–197

Mianserin induced agranulocytosis presenting as an abscess. Brumé J, et al. **Scott Med J** 1983 Oct;28(4):373–4

T-2 toxin effect on bacterial infection and leukocyte functions. Yarom R, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):60–8

[Infectious endocarditis in the neonatal period] Eliaou JF, et al. **Pediatrie** 1983 Dec;38(8):561–6 (Eng. Abstr.) **(Fre)**

[Purulent Staphylococcus aureus meningitis] Lucht F, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3341–5 (Eng. Abstr.) **(Fre)**

[Mycotic aneurysm of the carotid artery complicating deep neck infection] Leiberman A, et al. **Harefuah** 1984 Jan 15; 106(2):74–5 (Eng. Abstr.) **(Heb)**

[Sternoclavicular arthritis caused by Staphylococcus aureus in a non-drug addicted adult (letter)] Clotet-Sala B, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):332–3 **(Spa)**

[Additional data on septic osteoarthritis in drug addicts (letter)] Miró JM, et al. **Med Clin (Barc)** 1983 Nov 19; 81(16):738 **(Spa)**

[Toxic shock syndrome. A new facet of an old microorganism] Fernández Guerrero ML, et al. **Rev Clin Esp** 1983 Oct 31;171(2):77–83 (80 ref.) **(Spa)**

BLOOD

Two coagulase-variant forms of Staphylococcus aureus isolated from blood cultures. Fung JC, et al. **J Clin Microbiol** 1984 Jul;20(1):115–7

CEREBROSPINAL FLUID

[Cerebrospinal fluid diffusion kinetics of cefotaxime and fosfomycin in Staphylococcus aureus meningitis with otorrhea] Tremeaux JC, et al. **Pathol Biol (Paris)** 1984 Jun; 32(5 Pt 2):556–8 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Prostaglandin E1 therapy. Is it associated with a higher incidence of wound infection in the cyanotic neonate? Fleming WH, et al. **Chest** 1984 Feb;85(2):241–3

CLASSIFICATION

Ocular staphylococcal infections [letter] Packer AJ, et al. **Am J Ophthalmol** 1984 May;97(5):645

COMPLICATIONS

Hemophilic arthropathy complicated by polyarticular septic arthritis. Goldsmith JC, et al. **Acta Haematol (Basel)** 1984; 71(2):121–3

Hahn's operation for pseudarthrosis after osteomyelitis of the tibia in children. A report of three cases. Langenskiöld A. **Acta Orthop Scand** 1983 Oct;54(5):714–20

Persistent endomyocardial biopsy–proven vasculitis following cure of endocarditis. Shanes JG, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):614–9

Absolute IgG4 deficiency and recurrent bacterial blepharokeratoconjunctivitis [letter] Insler MS, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):243–4

Sacro–iliitis in a heroin addict. A contra–indication to spinal anaesthesia. Gomar C, et al. **Anaesthesia** 1984 Feb; 39(2):167–70

Staphylococcus epidermidis mediastinitis and disseminated intravascular coagulation. Kauffman CA, et al. **Ann Intern Med** 1984 Jul;101(1):60–1

Complications associated with Staphylococcus aureus bacteremia. Libman H, et al. **Arch Intern Med** 1984 Mar; 144(3):541–5

Sternoclavicular joint infection as a cause of chest pain. Seviour PW, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):133–4

Shunt nephritis: a report on five children. Zamora I, et al. **Childs Brain** 1984;11(3):183–7

Synergistic bacterial gangrene caused by a group A beta–haemolytic streptococcus and a Staphylococcus aureus. Colebunders R, et al. **Dermatologica** 1984; 168(3):150–1

Paraplegia secondary to pyogenic epidural abscess. Iwegbu CG. **East Afr Med J** 1983 Sep;60(9):640–4

Toxic–shock syndrome: a commentary and review of the characteristics of Staphylococcus aureus strains. Chesney PJ. **Infection** 1983 Jul–Aug;11(4):181–8 (84 ref.)

Silent mastoiditis and bilateral simultaneous facial palsy. Tovi F, et al. **Int J Pediatr Otorhinolaryngol** 1983 Jul;5(3):303–7

Pyomyositis in a neonate. Maddox JL Jr, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):391–4

Septic discitis presenting as a psoas abscess. Short DJ, et al. **J R Soc Med** 1983 Dec;76(12):1066–8

Septic polyarthritis in a hemophiliac. Cobb WB. **J Rheumatol** 1984 Feb;11(1):87–9

Staphylococcus aureus bacteremia in children and adolescents with acute lymphoblastic leukemia. Grossi M, et al. **Oncology** 1983;40(5):321–5

Bacterial tracheitis as a complication of viral croup. Edwards KM, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):390–1

Acceleration of capsule formation around silicone implants by infection in a guinea pig model. Kossovsky N, et al. **Plast Reconstr Surg** 1984 Jan;73(1):91–8

Acute renal failure due to glomerulonephritis associated with staphylococcal infection. Maher ER, et al. **Postgrad Med J** 1984 Jun;60(704):433–4

Hypoglycaemia and septicaemia. Walsh TD. **Postgrad Med J** 1984 Jun;60(704):431–2

Intravenous drug addiction—staphylococcal septicemia—pulmonary embolism: a triad pathognomonic for tricuspid valve endocarditis? Julander I, et al. **Scand J Infect Dis** 1983;15(3):257–65

Meningitis secondary to retropharyngeal abscess. Report of a case occurring in association with cervical spine fracture. Benoit BG, et al. **Spine** 1983 May–Jun;8(4):438–9

[Staphylococcal toxic shock] Nicolas F. **Ann Fr Anesth Reanim** 1984;3(4):241–3 **(Fre)**

[Proteins of bronchial secretions in mucoviscidosis. Role of infection] Jacquot J, et al. **Bull Eur Physiopathol Respir** 1983 Sep–Oct;19(5):453–8 (Eng. Abstr.) **(Fre)**

[One complication can mask another: chance discovery of a rare lesion during screening for arthritis of the hip] Laumonier F, et al. **Chir Pediatr** 1984;25(2):74–8 (Eng. Abstr.) **(Fre)**

[Staphylococcal spondylitis—cause of a recurrent fever for 24 years] Ringe JD, et al. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1680–3 (Eng. Abstr.) **(Ger)**

[Brain abscess—a possible complication of cerebral infarction?] Amonn F, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):58–62 (Eng. Abstr.) **(Ger)**

[Toxic shock syndrome in a gluteal abscess caused by an injection] Brand S. **Schweiz Med Wochenschr** 1984 Jun 30; 114(26):960–5 (Eng. Abstr.) **(Ger)**

[Staphylogenic Lyell's syndrome in adults] Reiss CJ, et al. **Z Gesamte Inn Med** 1984 May 1;39(9):204–6 (Eng. Abstr.) **(Ger)**

[A rare case of verrucosus tricuspid valvular endocarditis] Yoshida M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jan–Mar; 52(1):51–7 (Eng. Abstr.) **(Jpn)**

[Bacterial hepatitis as a complication of septicemia in newborn infants] Godula–Stuglik U, et al. **Pediatr Pol** 1983 Nov;58(11):865–72 (Eng. Abstr.) **(Pol)**

[Surgical treatment of valvular lesions of the heart in septic endocarditis] Konstantinov BA, et al. **Kardiologiia** 1983 Aug;23(8):43–7 (Eng. Abstr.) **(Rus)**

[Necrotic form of erysipelas of the lower extremities complicated by sepsis] Povstianoi NE, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):142–3 **(Rus)**

[Effect of Staphylococcus epidermidis on the course of typhoid fever] Il'inskiĭ IuA, et al. **Sov Med** 1983;(10):44–7 (Eng. Abstr.) **(Rus)**

[The upper respiratory tract and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):77–81 (99 ref.) **(Rus)**

[Paraplegia in a heroin addict caused by an epidural staphylococcal abscess (letter)] Aramburu V, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):40 **(Spa)**

[Staphylococcus aureus infections and glomerulonephritis] García–Cosmes P, et al. **Med Clin (Barc)** 1983 Nov 5; 81(14):610–4 (Eng. Abstr.) **(Spa)**

[Staphylococcal endocarditis and severe changes in coagulation in a heroin addict (letter)] Nolla Salas J, et al. **Med Clin (Barc)** 1983 Dec 17;81(20):925 **(Spa)**

[Staphylococcus pyomyositis: a tropical disease?] Ruiz Morales J, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):165–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Renal abscess in infancy. Pintér AB, et al. **Acta Paediatr Hung** 1983;24(3):287–90

M–mode and two–dimensional echocardiographic findings in pulmonic valve endocarditis. Berger M, et al. **Am Heart J** 1984 Feb;107(2):391–3

Commercially available (ENDO–STAPH) assay for teichoic acid antibodies. Evaluation in patients with serious Staphylococcus aureus infections and in controls. Wheat J, et al. **Arch Intern Med** 1984 Feb;144(2):261–4

Staphylococcal scalded–skin syndrome. The Cleveland Clinic experience. Wikas SM, et al. **Cleve Clin Q** 1983 Summer; 50(2):141–3

Staphylococcus aureus latex agglutination (Lat–SA) test for the diagnosis of S. aureus infection. Wang D, et al. **Clin Invest Med** 1983;6(4):293–9

Clinical and morphological recovery between two episodes of acute glomerulonephritis: a light and electron microscopic study with immunofluorescence. Rosenberg HG, et al. **Clin Nephrol** 1984 Jun;21(6):350–4

Unilateral septic sacro–iliitis. Importance of the anterior view of the bone scan. Kumar R, et al. **Clin Nucl Med** 1983 Sep;8(9):413–5

Pseudobacteremia traced to cross–contamination by an automated blood culture analyzer. Craven DE, et al. **Infect Control** 1984 Feb;5(2):75–8

Clinical and echocardiographic correlations in right heart endocarditis. Panidis IP, et al. **Int J Cardiol** 1984 Jul; 6(1):17–34

Bullae in a patient with toxic shock syndrome. Elbaum DJ, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):267–72

Spinal epidural abscess caused by streptococcus MG intermedius with complicating leptomeningitis: report of case. Pawlak A, et al. **J Am Osteopath Assoc** 1984 Apr; 83(8):589–92

Infected arterial grafts: clinical manifestations and surgical management. DeRose G, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):51–7

Atypical presentation of osteomyelitis of the distal phalanx of the hallux. Mah KK, et al. **J Foot Surg** 1982 Winter; 21(4):250–2

Acute cervical lymphadenitis in hospitalized pediatric patients: predominance of Staphylococcus aureus in infancy. Ahonkhai VI, et al. **J Natl Med Assoc** 1984 Apr; 76(4):367–9

Upper respiratory tract infection in a 3–year–old girl. McKenzie M, et al. **J Pediatr** 1984 Jul;105(1):129–33

Staphylococcal osteomyelitis of the carpal scaphoid. Seimon LP, et al. **J Pediatr Orthop** 1984 Jan;4(1):123–5

Ultrasound diagnosis of purulent ventriculitis. Stannard MW, et al. **J Ultrasound Med** 1984 Mar;3(3):143–4

Postoperative intervertebral disc space infection. Rawlings CE 3d, et al. **Neurosurgery** 1983 Oct;13(4):371–6

Suppurative bursitis in early childhood. Meyers S, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):156–8

Update on toxic shock syndrome. Recognizing and treating the mild case. Smirniotopoulos TT. **Postgrad Med** 1983 Oct;74(4):369–72

The clinical significance of serological methods in the diagnosis of staphylococcal septicaemia and endocarditis. Christensson B, et al. **Scand J Infect Dis [Suppl]** 1983; 41:140–3

Serological diagnosis of deep Staphylococcus aureus infections by enzyme–linked immunosorbent assay (ELISA) for staphylococcal hemolysins and teichoic acid. Granström M, et al. **Scand J Infect Dis [Suppl]** 1983; 41:132–9

Staphylococcal septicaemia and endocarditis in 80 drug addicts. Aspects on epidemiology, clinical and laboratory findings and prognosis. Julander I. **Scand J Infect Dis [Suppl]** 1983;41:49–55

Diagnostic and therapeutic significance of staphylococcal teichoic acid antibodies. White A, et al. **Scand J Infect Dis [Suppl]** 1983;41:105–16

Bacterial pseudomycosis (botryomycosis) in an otherwise normal child. Green EG, et al. **South Med J** 1984 Mar; 77(3):396–9

[Contribution to the rapid diagnosis of staphylococcal toxic shock syndrome (STSS) of vaginal origin] Pospíšil L, et al. **Cesk Gynekol** 1983 Jul;48(6):432–4 (Eng. Abstr.) **(Cze)**

[Temporomandibular staphylococcal arthritis] Alazia M, et al. **Ann Fr Anesth Reanim** 1983;2(6):415–6 (Eng. Abstr.) **(Fre)**

[Acute pyogenic sacroiliac arthritis in children] Roubergue A, et al. **Sem Hop Paris** 1983 Oct 13;59(36):2541–5 (Eng. Abstr.) **(Fre)**

[Possible differentiation of the staphylococcal scalded skin syndrome and the staphylococcal toxic shock syndrome] Pospíšil L, et al. **Dermatol Monatsschr** 1983;169(7):429–39 (Eng. Abstr.) **(Ger)**

[A case from general practice (15)] Baumberger HR. **Praxis** 1983 Aug 23;72(34):1111–2 **(Ger)**

[The toxic shock syndrome] Wilken H. **Zentralbl Gynakol** 1983;105(22):1409–12 (Eng. Abstr.) **(Ger)**

[Rare clinical symptoms of latent urinary tract infections in older children] Prandota J, et al. **Wiad Lek** 1983 Sep 1; 36(17):1469–73 (Eng. Abstr.) **(Pol)**

[Microbial eczema in a hot climate] Chebotarev KS, et al. **Voen Med Zh** 1984 Jun;(6):57–8 **(Rus)**

[Diagnosis of staphylococcal diseases using an immunoenzyme reaction] Vaneeva NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):61–4 (Eng. Abstr.) **(Rus)**

[Purulent pericarditis in childhood] Caballero E, et al. **Rev Chil Pediatr** 1983 Sep–Oct;54(5):306–10 (Eng. Abstr.) **(Spa)**

[Sacroiliitis caused by Staphylococcus aureus in a heroin addict] Collazos González J, et al. **Rev Clin Esp** 1983 Dec 31;171(6):429–31 **(Spa)**

[Non–menstrual toxic shock syndrome] Fernández Guerrero ML, et al. **Rev Clin Esp** 1983 Oct 31;171(2):85–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Epidemic of multiresistant Staphylococcus aureus in an intensive care unit. Gordts B. **Acta Anaesthesiol Belg** 1983 Sep;34(3):175–8

Rifampin in the treatment of serious staphylococcal infections. Swanberg L, et al. **Am J Med Sci** 1984 May–Jun; 287(3):49–54

Teicoplanin versus nafcillin and vancomycin in the treatment of experimental endocarditis caused by methicillin–susceptible or –resistant Staphylococcus aureus. Chambers HF, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):61–4

Twice–daily intramuscular ceforanide therapy of Staphylococcus aureus endocarditis in parenteral drug abusers. Greenman RL, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):16–9

Effect of rifampin and bacitracin on nasal carriers of Staphylococcus aureus. McAnally TP, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):422–6

A new in vivo model for the evaluation of topical antiseptics on superficial wounds. The effect of 70% alcohol and povidone–iodine solution. Mertz PM, et al. **Arch Dermatol** 1984 Jan;120(1):58–62

Staphylococcal CNS infections treated with vancomycin and rifampin. Vichyanond P, et al. **Arch Neurol** 1984 Jun; 41(6):637–9

Methicillin induced drug–fever during treatment for acute post traumatic osteomyelitis and septic arthritis. Stein H, et al. **Arch Orthop Trauma Surg** 1983;102(1):23–7

Staphylococcus aureus bacteremia [letter] Finch R. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1236

Staphylococcus aureus bacteraemia: 400 episodes in St Thomas's Hospital. Gransden WR, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):300–3

Vancomycin serum levels and toxicity in chronic hemodialysis patients with Staphylococcus aureus bacteremia. Masur H, et al. **Clin Nephrol** 1983 Aug; 20(2):85–8

Cefoperazone in the treatment of osteomyelitis. Biehl G. **Clin Ther** 1983;6(1):18–21

Monitoring susceptibility patterns of Staphylococcus aureus in hospital infections: a guide for epidemiologically oriented chemotherapy [letter] **J Antimicrob Chemother** 1983 Sep; 12(3):289–90

Comparative imipenem treatment of Staphylococcus aureus endocarditis in the rat. Baumgartner JD, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:79–87

Treatment of severe staphylococcal infections with a rifampicin–minocycline association. Clumeck N, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:17–22

Rifampicin in the treatment of osteoarticular infections due to staphylococci. Cluzel RA, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:23–9

Ceftazidime – a significant advance in the treatment of cystic fibrosis. David TJ, et al. **J Antimicrob Chemother** 1983 Jul; 12 Suppl A:337–40

Staphylococcal central nervous system infections treated with cloxacillin. Fong IW. **J Antimicrob Chemother** 1983 Dec;12(6):607–12

Effectiveness of cefamandole against methicillin–resistant strains of Staphylococcus aureus in vitro and in experimental infections. Hirschl A, et al. **J Antimicrob Chemother** 1984 May;13(5):429–35

The use of rifampicin in staphylococcal infections—a review. Kapusnik JE, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:61–6 (27 ref.)

Clinical studies on ceftazidime in surgery in Japan. Nakayama I. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:377–81

Imipenem therapy of experimental Staphylococcus aureus and Streptococcus faecalis endocarditis. Scheld WM, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:65–78

Management of staphylococcal endocarditis in drug addicts. Combined therapy with oral rifampicin and aminoglycosides. Suter F, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:57–60

The combination of oxacillin with rifampicin in

staphylococcal infections: a review of laboratory and clinical studies of the Institut Jules Bordet. Van der Auwera P, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:31–42

Antibiotic effects on bacterial counts in skin lesions of experimental staphylococcal skin infections in the hamster. Ikeda M, et al. **J Dermatol (Tokyo)** 1984 Feb;11(1):67–72

The effect of topical insulin on infected cutaneous ulcerations in diabetic and nondiabetic mice. Hanam SR, et al. **J Foot Surg** 1983 Winter;22(4):298–301

Laboratory tests for defining bactericidal activity as predictors of antibiotic efficacy in the treatment of endocarditis due to Staphylococcus aureus in rabbits. Fass RJ. **J Infect Dis** 1984 Jun;149(6):904–12

Treatment of experimental brain abscess with penicillin and chloramphenicol. Haley EC Jr, et al. **J Infect Dis** 1983 Oct;148(4):737–44

Treatment of CSF shunt infections with intrashunt plus oral antibiotic therapy. Frame PT, et al. **J Neurosurg** 1984 Feb; 60(2):354–60

Failure of urokinase to resolve Broviac catheter–related bacteremia in children. Haffar AA, et al. **J Pediatr** 1984 Feb;104(2):256–8

Re: A study of the effectiveness of Rifaprim in chronic prostatitis caused mainly by Staphylococcus aureus [letter] Pfau A. **J Urol** 1983 Dec;130(6):1204–5

Pseudomonic acid and control of methicillin–resistant staphylococci [letter] Casewell MW, et al. **Lancet** 1983 Dec 3;2(8362):1312

Nasal carriage of gentamicin and methicillin resistant Staphylococcus aureus treated with topical pseudomonic acid [letter] Dacre JE, et al. **Lancet** 1983 Oct 29; 2(8357):1036

Staphylococcus aureus [letter] **N Engl J Med** 1984 Sep 20; 311(12):795–7

The role of cephalexin in the treatment of skin and soft–tissue infections. Derrick CW Jr, et al. **Postgrad Med J** 1983;59 Suppl 5:43–6 (35 ref.)

Use of rifampin for the treatment of serious staphylococcal and gram–negative bacillary infections. Acar JF, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S502–6

Efficacy of antibiotic combinations including rifampin against methicillin–resistant Staphylococcus epidermidis: in vitro and in vivo studies. Archer GL, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S538–42

Rifampin treatment of prosthetic valve endocarditis due to Staphylococcus epidermidis. Karchmer AW, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S543–8

Therapy for experimental endocarditis due to Staphylococcus epidermidis. Kobasa WD, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S533–7

Experimental chronic staphylococcal osteomyelitis in rabbits: treatment with rifampin alone and in combination with other antimicrobial agents. Norden CW. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S491–4

Chronic staphylococcal osteomyelitis: treatment with regimens containing rifampin. Norden CW, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S495–501

Clinical study of combination therapy with oxacillin and rifampin for staphylococcal infections. Van der Auwera P, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S515–22

Rifampin in experimental endocarditis due to Staphylococcus aureus in rabbits. Zak O, et al. **Rev Infect Dis** 1983 Jul–Aug; 5 Suppl 3:S481–90

Clinical and microbiologic aspects of serious infections caused by Staphylococcus epidermidis. Tuazon CU, et al. **Scand J Infect Dis** 1983;15(4):347–60

Monitoring antimicrobial therapy in bacterial endocarditis. Dornbusch K, et al. **Scand J Infect Dis [Suppl]** 1983; 41:173–6

Therapy of staphylococcal septicaemia in compromised hosts. Solberg CO, et al. **Scand J Infect Dis [Suppl]** 1983; 41:177–86

Comments on tolerant staphylococci. Sörén L. **Scand J Infect Dis [Suppl]** 1983;41:158–60

Antibiotic treatment of staphylococcal septicaemia and endocarditis in a Swedish hospital. Svanbom M. **Scand J Infect Dis [Suppl]** 1983;41:161–72

A general survey of antibiotic treatment of staphylococcal septicaemia and endocarditis. Watanakunakorn C. **Scand J Infect Dis [Suppl]** 1983;41:151–7

Fifty–six year old Caucasian female with infection of knee and acute renal failure [clinical conference] Ulrich RC, et al. **SD J Med** 1983 Nov;36(11):5–8

Penetration of clindamycin into experimental Staphylococcus aureus infections. Simon GL, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):349–53

Oral rifampin and trimethoprim/sulfamethoxazole therapy in asymptomatic carriers of methicilin–resistant Staphylococcus aureus infections. Ellison RT 3d, et al. **West J Med** 1984 May;140(5):735–40

[Changes in the ventricular and serum levels of fosfomycin during treatment of 5 cases of coagulase–negative staphylococcal ventriculitis] Scontrini G, et al. **Agressologie** 1983 Apr;24(4):165–7 (Eng. Abstr.) **(Fre)**

[Importance of the cefotaxime–fosfomycin combination. Apropos of a case of meningitis due to heterogeneously resistant Staphylococcus aureus] Tremeaux JC, et al. **Agressologie** 1983 Apr;24(4):169–71 (Eng. Abstr.) **(Fre)**

[Evaluation of the use of rifampin combinations in severe staphylococcal infections. Apropos of the selection of 7 resistant mutants] Dellamonica P, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):559–62 (Eng. Abstr.) **(Fre)**

[Value of rifampin in the treatment of staphylococcal septicemia] Estavoyer JM, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):552–5 (Eng. Abstr.) **(Fre)**

[Rifampicin in the treatment of Staphylococcus arthritis] Lopitaux R, et al. **Pathol Biol (Paris)** 1983 May;31(5):442–5 (Eng. Abstr.) **(Fre)**

[Staphylococcus aureus septicemia. Use of pristinamycin as initial treatment (letter)] Mattei M, et al. **Presse Med** 1984 Jul 14–21;13(29):1789–90 **(Fre)**

[Selection of mutant rifampin–resistant Staphylococcus aureus during the therapeutic use of this antibiotic in combinations. 3 cases] Dellamonica P, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3087–8 (Eng. Abstr.) **(Fre)**

[Increased occurrence of gentamycin–resistant Staphylococcus aureus strains in ulcus cruris venosum] Müller M. **Z Arztl Fortbild (Jena)** 1983;77(16):685–6 **(Ger)**

[Antimicrobial treatment in staphylococcal aureus endocarditis] Groskopf I, et al. **Harefuah** 1984 Apr 1; 106(7):318–9 **(Heb)**

[Rifampicin in staphylococcal infections] Arioli V. **G Ital Chemioter** 1982 Jul–Dec;29(2):77–81 (Eng. Abstr.) **(Ita)**

[Therapeutic efficacy of piperacillin in internal medicine] Zanoboni A, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):133–8 (Eng. Abstr.) **(Ita)**

[Use of vancomycin in the treatment of severe Staphylococcus aureus infection. Description of 3 cases] Campelli A, et al. **Minerva Med** 1984 Feb 28;75(8):385–90 (Eng. Abstr.) **(Ita)**

[Drug resistance of pathogenic Staphylococcus in the hospital environment and in the general population, as an indicator of the negative implications of modern etiological therapy] Teodorovici G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):67–9 (Eng. Abstr.) **(Rum)**

[Chemotherapeutic effectiveness of antibiotics in combination with papain in experimental septicemia] Baskanchiladze GSh, et al. **Antibiotiki** 1984 Jan;29(1):33–5 (Eng. Abstr.) **(Rus)**

[Ericycline in the complex treatment of chronic pyoderma patients] Bukharovich AM. **Antibiotiki** 1983 Oct; 28(10):778–80 **(Rus)**

[Experimental effect of lysozyme on macrophage metabolism and resistance to infection] Shcherbakova EG, et al. **Antibiotiki** 1984 May;29(5):338–44 (Eng. Abstr.) **(Rus)**

[Theoretical substantiation of methods for limiting the circulation of drug–resistant staphylococci] Zueva VS. **Antibiotiki** 1984 Apr;29(4):299–311 (31 ref.) **(Rus)**

[Experimental and clinical study of the effect of a birch–bud tincture on infected wounds] Zakharov NA, et al. **Klin Khir** 1984 Jan;(1):72–3 **(Rus)**

[Clinico–experimental basis for using thymalin in osteomyelitis and suppurative–inflammatory diseases of soft tissues in children] Solov'ev MM, et al. **Pediatriia** 1983 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

[Treatment and prevention of staphyloderma] Mar'iasis ED, et al. **Sov Med** 1984;(5):81–3 **(Rus)**

[Use of thymalin in treating severe forms of inflammatory diseases of the maxillofacial area] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):19–22 (Eng. Abstr.) **(Rus)**

[Rational antibiotic therapy in the conservative treatment of experimental suppurative inflammatory processes of the vascular tract of the eye] Professora MI, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):42–4 (Eng. Abstr.) **(Rus)**

[Combined effect of propolis and different antibiotics on Staphylococci] Sytnik IA, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):47–50 (Eng. Abstr.) **(Rus)**

[Microbial sensitivity to antibiotics and dioxidine in pyoderma and microbial eczema] Artem'ev IuK, et al. **Voen Med Zh** 1983 Dec;(12):64–5 **(Rus)**

[Antibiotics in the therapy of microbial eczema] Shaposhnikov OK, et al. **Voen Med Zh** 1983 Nov;(11):52–3 **(Rus)**

[Staphylocidal activity of Stanicide–fusidinic acid in vitro and its use in the therapy of the nasal staphylococcal carrier state by local administration] Božović M, et al. **Med Pregl** 1983;36(5–6):205–6 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Coagulase–negative staphylococci—saphrophyte or parasite? Christensen GD. **Int J Dermatol** 1983 Oct;22(8):463–5

ETIOLOGY

Investigations on staphylococcal infection of transvenous endocardial pacemaker electrodes. Peters G, et al. **Am Heart J** 1984 Aug;108(2):359–65

Staphylococcus epidermidis septicemia in children with leukemia and lymphoma. Friedman LE, et al. **Am J Dis Child** 1984 Aug;138(8):715–9

Intraleukocytic sequestration as a cause of persistent Staphylococcus aureus peritonitis in continuous ambulatory peritoneal dialysis. Buggy BP, et al. **Am J Med** 1984 Jun; 76(6):1035–40

Fulminant hospital–acquired toxic shock syndrome. Farber BF, et al. **Am J Med** 1984 Aug;77(2):331–2

Temporary use of an eroded bipolar pacemaker system. Tyndal EC, et al. **Am Surg** 1984 Aug;50(8):446–9

Septic choroidal effusion after scleral buckling operation. Ho PC, et al. **Ann Ophthalmol** 1984 Feb;16(2):170–2

Traumatic lens abscess: report of a case. Liesegang TJ. **Ann Ophthalmol** 1983 Dec;15(12):1151–4

Mycotic aortic aneurysms in children. Bergsland J, et al. **Ann Thorac Surg** 1984 Apr;37(4):314–8

Generalized staphylococcal scalded skin syndrome in an anephric boy undergoing hemodialysis. Borchers SL, et al. **Arch Dermatol** 1984 Jul;120(7):912–8

Thrombotic and infectious complications of Hickman–Broviac catheters. Jacobs MB, et al. **Arch Intern Med** 1984 Aug;144(8):1597–9

Incidence of subclavian dialysis catheter–related infections. Kozeny GA, et al. **Arch Intern Med** 1984 Sep;144(9):1787–9

Aortofemoral graft infection due to Staphylococcus epidermidis. Bandyk DF, et al. **Arch Surg** 1984 Jan; 119(1):102–8

Staphylococcus epidermidis sepsis in surgical patients. Burchard KW, et al. **Arch Surg** 1984 Jan;119(1):96–100

The action of cobalt, nickel and chromium on phagocytosis and bacterial killing by human polymorphonuclear leucocytes; its relevance to infection after total joint arthroplasty. Rae T. **Biomaterials** 1983 Jul;4(3):175–80

Experimental colonization of vascular grafts with Staphylococcus aureus. Goëau–Brissonière O, et al. **Can J Surg** 1983 Nov;26(6):540–5

Endocarditis caused by Staphylococcus warneri on a normal aortic valve following vasectomy. Dan M, et al. **Can Med Assoc J** 1984 Aug 1;131(3):211–3

Endocarditis as a complication of indwelling right atrial catheters in leukemic patients. Liepman MK, et al. **Cancer** 1984 Sep 1;54(5):804–7

Infection after total joint arthroplasty from distal extremity sepsis. Thomas BJ, et al. **Clin Orthop** 1983 Dec;(181):121–5

Staphylococcus aureus endocarditis and pericarditis in an infant with a central venous catheter. Wheeler JG, et al. **Clin Pediatr (Phila)** 1984 Jan;23(1):46–7

Permanent pacemaker infections: their characterization and management—a 15–year experience. Kaul U, et al. **Indian Heart J** 1983 Nov–Dec;35(6):345–9

Staphylococcus epidermidis bacteremia associated with vascular catheters: an important cause of febrile morbidity in hospitalized patients. Sattler FR, et al. **Infect Control** 1984 Jun;5(6):279–83

Characteristics of urinary tract infection caused by coagulase–negative Staphylococcus in a group of young women. Leibovici L, et al. **Isr J Med Sci** 1984 Mar; 20(3):219–23

Toxic shock syndrome—an adolescent disease. Litt IF. **J Adolesc Health Care** 1983 Dec;4(4):270–4

Toxic shock syndrome and diaphragm use. Wilson CD. **J Adolesc Health Care** 1983 Dec;4(4):290–1

Bullous dermatosis caused by Staphylococcus aureus in locus minoris resistentiae. Bronstein SW, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):259–63

Pathogenesis of foreign body infection. Evidence for a local granulocyte defect. Zimmerli W, et al. **J Clin Invest** 1984 Apr;73(4):1191–200

Chronic osteomyelitis associated with monofilament wire fixation. Varzos PN, et al. **J Foot Surg** 1983 Fall;22(3):212–7

Staphylococcus epidermidis infections of cerebrospinal fluid shunts. Price EH. **J Hosp Infect** 1984 Mar;5(1):7–17 (50 ref.)

Endocarditis caused by Staphylococcus xylosus associated with intravenous drug abuse. Conrad SA, et al. **J Infect Dis** 1984 May;149(5):826–7

Acute haematogenous osteomyelitis: an experimental model. Emslie KR, et al. **J Pathol** 1983 Oct;141(2):157–67

Staphylococcus epidermidis septicemia in children: an emerging and difficult problem [editorial] Fulginiti VA. **JAMA** 1984 Aug 24–31;252(8):1054

Urinary tract infections in young adult women caused by Staphylococcus saprophyticus. Latham RH, et al. **JAMA** 1983 Dec 9;250(22):3063–6

An outbreak of Staphylococcus epidermidis septicemia. Deitel M, et al. **JPEN** 1983 Nov–Dec;7(6):569–72

Outbreak of Staphylococcus epidermidis nosocomial infections in patients receiving total parenteral nutrition [letter] Pemberton LB, et al. **JPEN** 1984 May–Jun; 8(3):325–6

Opsonic deficiency of peritoneal dialysis effluent in continuous ambulatory peritoneal dialysis. Keane WF, et al. **Kidney Int** 1984 Mar;25(3):539–43

Staphylococcus epidermidis infections in acute myeloblastic leukaemia patients fitted with Hickman catheters [letter] Sanz MA, et al. **Lancet** 1983 Nov 19;2(8360):1191–2

Staphylococcus hominis septicaemia in patients with cancer. Bowman RA, et al. **Med J Aust** 1984 Jan 7;140(1):26–7

Suppurative thrombarteritis as a complication of arterial cannulation: case report. Lagrone MO, et al. **Milit Med** 1984 Apr;149(4):219–20

Staphylococcus aureus. The persistent pathogen (first of two parts). Sheagren JN. **N Engl J Med** 1984 May 24; 310(21):1368–73 (61 ref.)

Recurrent sepsis from retained endocardial electrode in children: successful removal with cardiopulmonary bypass. DeLeon SY, et al. **PACE** 1984 Mar;7(2):166–8

Pacemaker remnants—another source of infections. Praeger PI, et al. **PACE** 1984 Jul;7(4):763–4

Cerebrospinal fluid shunt infections. Nelson JD. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S30–2

Toxic-shock syndrome associated with nasal packing: analogy to tampon-associated illness. Barbour SD, et al. **Pediatrics** 1984 Feb;73(2):163–5

Orbital abscess following blepharoplasty. Rees TD, et al. **Plast Reconstr Surg** 1984 Jan;73(1):126–7

Acute sacral epidural abscess following local anaesthetic injection. Rustin MH, et al. **Postgrad Med J** 1983 Jun; 59(692):399–400

Staphylococcus aureus meningitis. Fong IW, et al. **Q J Med** 1984 Spring;53(210):289–99

An experimental model to assess factors associated with scleral buckle infection. Doft BH, et al. **Retina** 1983; 3(3):212–7

Adherence and growth of bacteria on bone cement in vitro and in chronologically infected artificial joints. Draenert K, et al. **Scan Electron Microsc** 1983;(Pt 1):255–61

Experimental staphylococcal endocarditis: an overview. Gutschik E. **Scand J Infect Dis [Suppl]** 1983;41:87–94

Staphylococcus aureus septicaemia and endocarditis at the University Hospital in Lund 1976–1980. Hedström SA, et al. **Scand J Infect Dis [Suppl]** 1983;41:38–48

Focus on some basic problems in staphylococcal diseases. Hedström SA. **Scand J Infect Dis [Suppl]** 1983;41:15–6

Colonization of central venous catheters. Prager RL, et al. **South Med J** 1984 Apr;77(4):458–61

Comparison of infectibility of vascular prosthetic materials by quantitation of median infective dose. Bennion RS, et al. **Surgery** 1984 Jan;95(1):22–6

Toxic shock syndrome due to occult postoperative wound infection. Bresler MJ. **West J Med** 1983 Nov;139(5):710–3

In vitro colonisation of cerebrospinal fluid shunts. Tucker OP, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:71–3

[Toxic shock syndrome--report of 2 cases] Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 May;82(5):681–4 (Eng. Abstr.) **(Chi)**

[Staphylococcal toxic shock syndrome] Boulétreau P, et al. **Ann Fr Anesth Reanim** 1984;3(4):309–11 (Eng. Abstr.) **(Fre)**

[Staphylococcal Lyell's syndrome in varicella. Apropos of a case] de Prost Y, et al. **Ann Pediatr (Paris)** 1983 Dec; 30(10):773–5 (Eng. Abstr.) **(Fre)**

[Ketoacidosis during ambulatory treatment by continuous subcutaneous infusion of insulin. Possible role of catheter infection (letter)] Leguerrier AM, et al. **Presse Med** 1984 Apr 14;13(16):1008 **(Fre)**

[Infection of an aorto-aortic prosthesis. Disclosure by pseudo-inflammatory rheumatism (letter)] Volle L, et al. **Presse Med** 1984 Feb 11;13(5):287 **(Fre)**

[A case of primary peritonitis and bilateral pneumonia caused by staphylococcal emboli in drug dependence] Nahum M, et al. **Minerva Chir** 1984 Apr 15;39(7):543–7 (Eng. Abstr.) **(Ita)**

[Probable case of toxic shock syndrome] Tanaka S, et al. **Kansenshogaku Zasshi** 1983 May;57(5):448–53 (Eng. Abstr.) **(Jpn)**

[Etiopathogenesis and biology of osteomyelitis] Warda E. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):361–6 (Eng. Abstr.) **(Pol)**

[Toxic shock syndrome--a new form of staphylococcal infection] Bulanda M, et al. **Pol Tyg Lek** 1983 Nov 14; 38(46):1435–8 (27 ref.) (Eng. Abstr.) **(Pol)**

[Respiratory tract infection in mechanically ventilated patients] Antoszewski Z, et al. **Wiad Lek** 1983 Nov 15; 36(22):1843–50 (Eng. Abstr.) **(Pol)**

[Problems of pathogenesis and treatment of acute suppurative destruction of the lungs] Zakharov SN, et al. **Grudn Khir** 1984 May–Jun;(3):52–5 (Eng. Abstr.) **(Rus)**

[Staphylococcal bacteremia in tuberculosis] Adamovich VN, et al. **Klin Med (Mosk)** 1983 Dec;61(12):40–4 (Eng. Abstr.) **(Rus)**

[Experimental simulation of liver abscess in the rabbit] Kryshen' VP, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr; (2):68–9 **(Rus)**

[Infectious intracardiac complications of gunshot wounds of the heart] Shevchenko IuL. **Vestn Khir** 1983 Nov; 131(11):86–9 (Eng. Abstr.) **(Rus)**

[Possibilities of predicting inflammatory complications after extrafocal transosseous osteosynthesis] Gritsanov AI, et al. **Voen Med Zh** 1984 May;(5):29–31 **(Rus)**

[Staphylococcus aureus endocarditis related to the use of intravenous catheters] Fernández Guerrero ML, et al. **Med Clin (Barc)** 1984 May 19;82(19):851–3 (Eng. Abstr.) **(Spa)**

[Severe infectious pathology in the drug addict (letter)] Guerrero A, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):787 **(Spa)**

[Mural endocarditis in a heroin dependent patient (letter)] Sala J, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):235–6 **(Spa)**

[Staphylococcal bacteremias in patients maintained on chronic hemodialysis] Vilardell J, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):41–3 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[A syndrome of hyper-IgE and recurrent infections. Developmental variants? A familial study] Lorette G, et al. **Ann Dermatol Venereol** 1984;111(1):39–46 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Solid-phase radioimmunoassay of immunoglobulin G antibodies to Staphylococcus aureus peptidoglycan in patients with staphylococcal infections. Christensson B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):401–6

Antibody response to alpha- and betahemolysin from Staphylococcus aureus in patients with staphylococcal infections and in normals. Christensson B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):351–6

Human B cell activation and cell cycle progression: stimulation with anti-mu and Staphylococcus aureus Cowan strain I. Kehrl JH, et al. **Eur J Immunol** 1984 Feb; 14(2):115–21

Detection of anti-teichoic acid immunoglobulin G antibodies in experimental Staphylococcus epidermidis endocarditis. West TE, et al. **Infect Immun** 1983 Dec;42(3):1020–6

Immunologic abnormalities in botryomycosis. A case report with review of the literature. Brunken RC, et al. **J Am Acad Dermatol** 1983 Sep;9(3):428–34

Comparison of a new enzyme-linked immunosorbent assay method with counterimmunoelectrophoresis for detection of teichoic acid antibodies in sera from patients with Staphylococcus aureus infections. Herzog C, et al. **J Clin Microbiol** 1984 Apr;19(4):511–5

Whole organisms and purified cell walls compared as immunosorbents for the detection of IgE antibodies to Staphylococcus aureus. Friedman SJ, et al. **J Immunol Methods** 1984 Feb 10;66(2):369–75

Concurrent estimation of the kinetics of adhesion and ingestion of Staphylococcus aureus by human polymorphonuclear leukocytes (PMNs). MacFarlane GD, et al. **J Immunol Methods** 1984 Jan 20;66(1):35–49

Comparison of anti-alpha-haemolysin and teichoic acid antibody tests in patients with Staphylococcus aureus endocarditis or bacteraemia. Larinkari U, et al. **J Infect** 1984 May;8(3):221–6

Serology of Staphylococcus aureus infections using multiple antigens and serial serum samples. Verbrugh HA, et al. **J Infect Dis** 1983 Sep;148(3):608

Effect of extracellular slime substance from Staphylococcus epidermidis on the human cellular immune response. Gray ED, et al. **Lancet** 1984 Feb 18;1(8373):365–7

Detection of teichoic acid antibodies in children with staphylococcal infections. Thisyakorn U, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):222–5

Serological diagnosis of Staphylococcus aureus septicaemia and endocarditis by means of crossed immuno-electrophoresis. Espersen F, et al. **Scand J Infect Dis [Suppl]** 1983;41:97–104

Comparison of anti-alpha-hemolysin and teichoic acid antibody tests in patients with endocarditis and septicaemia caused by Staphylococcus aureus. Larinkari U, et al. **Scand J Infect Dis [Suppl]** 1983;41:144–7

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in staphylococcal infections. Oeding P, et al. **Scand J Infect Dis [Suppl]** 1983;41:126–9

Recognition of Staphylococcus aureus by human phagocytes. Signals and disguises of the bacterial surface. Peterson PK, et al. **Scand J Infect Dis [Suppl]** 1983;41:67–78

Biology and clinical significance of peptidoglycan antibody response in staphylococcal infections. Verbrugh HA, et al. **Scand J Infect Dis [Suppl]** 1983;41:117–25

The effect of staphylococcal peptidoglycan on polymorphonuclear leukocytes in vitro and in vivo. Verhoef J, et al. **Scand J Infect Dis [Suppl]** 1983;41:79–86

[Selected immunological indicators in patients with chronic post-traumatic staphylococcal osteomyelitis] Zołyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):441–5 (Eng. Abstr.) **(Pol)**

[Natural resistance and immunological reactivity of patients with severe burns complicated by staphylococcal infection] Fedorovskaia EA. **Gematol Transfuziol** 1984 Jul;29(7):22–6 (Eng. Abstr.) **(Rus)**

[Immunomicrobiologic aspects of acute empyema in children] Levina EN, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):84–8 (Eng. Abstr.) **(Rus)**

[T- and B-immunity indices in the cerebrospinal fluid and peripheral blood of newborn infants and young children with hypoxic injuries of the central nervous system and bacterial infections] Nizharadze GI, et al. **Pediatriia** 1983 Oct;(10):21–3 (Eng. Abstr.) **(Rus)**

[Effect of a staphylococcal infection on neutrophil phagocytic reactions in pyodermatitis patients] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1984 Jul;(7):7–12 (Eng. Abstr.) **(Rus)**

[Interrelations in the immune system of Staphylococcus aureus carriers] Kibort RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):93–7 (Eng. Abstr.) **(Rus)**

[Indices of immunoallergic reactivity and of nonspecific body resistance in staphyloderma patients] Mar'iasis ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):93–6 (Eng. Abstr.) **(Rus)**

[Effect of trypsin on the immune response in localized staphylococcal infection] Prokopenko LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):104–8 (Eng. Abstr.) **(Rus)**

[Effect of interferon type I on staphylococcal persistence and indices of body immunoreactivity] Spivak NIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):74–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Concentrations of vancomycin in bone and serum of normal rabbits and those with osteomyelitis. Wilson KJ, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):140–1

Ocular pharmacokinetics of ceftriaxone following subconjunctival injection in rabbits. Jay WM, et al. **Arch Ophthalmol** 1984 Mar;102(3):430–2

Absorption of doxorubicin-hydrochloride and mitomycin-C after instillation into noninfected and infected bladders of dogs. Schmidbauer CP, et al. **J Urol** 1984 Apr; 131(4):818–21

MICROBIOLOGY

Evaluation of API 20E strips for identification of coagulase-negative staphylococci from the urinary tract. Anderson DY, et al. **Am J Med Technol** 1983 Dec; 49(12):879–81

Staphylococcal endocarditis in rabbits treated with a low dose of cloxacillin. Lorian V, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):311–5

Staphylococcus aureus resistant to methicillin and gentamicin as a cause of outbreak of epidemic enteritis in a hospital. Scopetti F, et al. **Boll Ist Sieroter Milan** 1983 Nov 30; 62(5):406–11

Comparison of phage typing, plasmid mapping, and antibiotic resistance patterns as epidemiologic markers in a nosocomial outbreak of methicillin-resistant Staphylococcus aureus infections. Collins JK, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):233–45

Ability of a Staphylococcus aureus isolate from a chronic osteomyelitic lesion to survive in the absence of air [letter] Coleman G, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):595–7

Deoxyribonuclease & heat stable nuclease tests for identification of Staphylococcus aureus. Talwar V, et al. **Indian J Med Res** 1984 Jan;79:19–21

Bacterial adherence and glycocalyx formation in osteomyelitis experimentally induced with Staphylococcus aureus. Mayberry-Carson KJ, et al. **Infect Immun** 1984 Mar;43(3):825–33

Phenotypic distinctiveness of Staphylococcus aureus strains associated with toxic shock syndrome. Todd JK, et al. **Infect Immun** 1984 Aug;45(2):339–44

Species identification and antibiotic sensitivity of coagulase-negative staphylococci from CAPD peritonitis. Gruer LD, et al. **J Antimicrob Chemother** 1984 Jun; 13(6):577–83

Comparison of epidemiological markers used in the investigation of an outbreak of methicillin-resistant Staphylococcus aureus infections. Archer GL, et al. **J Clin Microbiol** 1983 Aug;18(2):395–9

In vitro response of Staphylococcus aureus from cystic fibrosis patients to combinations of linoleic and oleic acids added to nutrient medium. Campbell IM, et al. **J Clin Microbiol** 1983 Aug;18(2):408–15

Species identification and antibiotic susceptibilities of coagulase-negative staphylococci isolated from clinical specimens. Gill VJ, et al. **J Clin Microbiol** 1983 Dec; 18(6):1314–9

Clinical comparison of the AutoMicrobic system gram-positive identification card, API Staph-Ident, and conventional methods in the identification of coagulase-negative Staphylococcus spp. Grasmick AE, et al. **J Clin Microbiol** 1983 Dec;18(6):1323–8

Morphology of bacterial attachment to cardiac pacemaker leads and power packs. Marrie TJ, et al. **J Clin Microbiol** 1984 Jun;19(6):911–4

Environmental study of a methicillin-resistant Staphylococcus aureus epidemic in a burn unit. Rutala WA, et al. **J Clin Microbiol** 1983 Sep;18(3):683–8

Identification, clinical distribution, and susceptibility to methicillin and 18 additional antibiotics of clinical Staphylococcus isolates: nationwide investigation in Italy. Varaldo PE, et al. **J Clin Microbiol** 1984 Jun;19(6):838–43

Multiply-resistant Staphylococcus aureus (bacteriophage type 90) in a special care baby unit. Hill SF, et al. **J Hosp Infect** 1984 Mar;5(1):56–62

Characters of coagulase-negative staphylococci and micrococci from cases of endocarditis. Richardson JF, et al. **J Hosp Infect** 1984 Jun;5(2):164–71

Plasmid-pattern analysis for the differentiation of infecting from noninfecting Staphylococcus epidermidis. Archer GL, et al. **J Infect Dis** 1984 Jun;149(6):913–20

Endocarditis due to methicillin-resistant Staphylococcus aureus in rabbits: expression of resistance to beta-lactam antibiotics in vivo and in vitro. Chambers HF, et al. **J Infect Dis** 1984 Jun;149(6):894–903

Antibiotic susceptibilities and plasmid profiles of nosocomial methicillin-resistant Staphylococcus aureus: a retrospective study. Gillespie MT, et al. **J Med Microbiol** 1984 Jun; 17(3):295–310

Molecular epidemiology of multiresistant Staphylococcus aureus in Australian hospitals. Lyon BR, et al. **J Med Microbiol** 1984 Feb;17(1):79–89

Study of coagulase-negative staphylococci in clinical infections. Gaikwad S, et al. **J Postgrad Med** 1983 Jul; 29(3):162–4

Staphylococcus saprophyticus as a common cause of urinary tract infections. Hovelius B, et al. **Rev Infect Dis** 1984 May–Jun;6(3):328–37 (56 ref.)

Sternal and costochondral infections with gentamicin and methicillin resistant Staphylococcus aureus following

thoracic surgery. Cafferkey MT, et al. **Scand J Infect Dis** 1983;15(3):267–70

Staphylococcus aureus endocarditis in Denmark 1976–1981. Frimodt-Møller N, et al. **Scand J Infect Dis [Suppl]** 1983; 41:30–7

Frequency, phage types and antibiotic resistance of Staphylococcus aureus isolated from blood cultures in Denmark 1975–1981. Rosendal K, et al. **Scand J Infect Dis [Suppl]** 1983;41:19–29

Staphylococcus epidermidis endocarditis and Staphylococcus epidermidis infection in an intensive care unit. Verhoef J, et al. **Scand J Infect Dis [Suppl]** 1983;41:56–64

Toxic shock syndrome associated with phage-group-III Staphylococcus aureus. Tantulavanich S, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):115–8

[Staphylococcus aureus septicemia and L-form: report of 3 cases] Lin TF. **Chung Hua I Hsueh Tsa Chih** 1983 Aug; 63(8):502–5 (Chi)

[Hospital epidemic due to Stpahylococcus aureus resistant to oxacillin and aminoglycosides] Marcelis L, et al. **Acta Clin Belg** 1984;39(2):70–6 (Eng. Abstr.) (Fre)

[Oxacillin and gentamicin-resistant Staphylococcus aureus: surveillance and development over a period of 6 months] Petit JC, et al. **Biomed Pharmacother** 1983;37(9–10):429–33 (Eng. Abstr.) (Fre)

[Contamination or infection? Comparison of positive blood cultures of Staphylococcus aureus and Staphylococcus epidermidis] Daschner FD, et al. **MMW** 1983 Sep 30; 125(39):849–50 (Ger)

[Bacteriology of chronic osteomyelitic focus] Bialecki J, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):383–7 (Eng. Abstr.) (Pol)

[Chronic nonspecific osteomyelitis. Bacteriology and immunology of osteomyelitis] Halasa J. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):377–82 (Eng. Abstr.) (Pol)

[Usefulness of the bacteriological transport kit no. 1 in maxillofacial surgery and stomatology] Lewandowski B, et al. **Wiad Lek** 1983 Dec 1;36(23):1957–62 (Eng. Abstr.) (Pol)

[Microbiological analysis of postoperative wound exudates from patients in general surgery clinics] Stelmaska-Dworak E, et al. **Wiad Lek** 1983 Dec 1;36(23):1931–5 (Eng. Abstr.) (Pol)

[Quantitative characteristics of milk microflora in the diagnosis of puerperal mastitis] Voropaeva SD, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):61–4 (Eng. Abstr.) (Rus)

[Interrelation of the antibiotic sensitivity (resistance) of staphylococci, clinical forms of the infection and production of protein A] Fomenko GA. **Antibiotiki** 1984 Jun;29(6):421–7 (Eng. Abstr.) (Rus)

[Microbiologic features of the clinical course of acute pleural empyema in children] Savitskaia KI, et al. **Sov Med** 1983; (10):19–25 (Eng. Abstr.) (Rus)

[Bacteriological characteristics of a surgical hospital] Petrov VP, et al. **Vestn Khir** 1983 Jul;131(7):11–5 (Eng. Abstr.) (Rus)

[Isolation of pathogenic Staphylococci in a selective medium] Leiva T, et al. **Rev Cubana Med Trop** 1983 May–Aug; 35(2):213–8 (Eng. Abstr.) (Spa)

[Bacteriophage typing of Staphylococcus aureus strains isolated from nosocomial infections in the city of Córdoba (Argentina)] Pessat O, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):137–43 (Eng. Abstr.) (Spa)

MORTALITY

Staphylococcal bacteremia: current patterns in nonuniversity hospitals. Bryan CS, et al. **South Med J** 1984 Jun; 77(6):693–6

OCCURRENCE

Recurrent staphylococcal infection in a pediatric residential care facility. Steele RW, et al. **Am J Infect Control** 1983 Dec;11(6):217–20

Prevalence of Staphylococcus aureus, phage type 29/52/80, in Michigan. Martin R, et al. **Am J Public Health** 1984 Apr;74(4):366–7

Coagulase-negative staphylococcal bacteremia in newborns. Calnen G, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):542–4

Severe infections caused by methicillin-resistant Staphylococcus aureus. Keane CT, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):299–302 (35 ref.)

Epidemic bullous impetigo in a nursery due to a nasal carrier of Staphylococcus aureus: role of epidemiology and control measures. Nakashima AK, et al. **Infect Control** 1984 Jul; 5(7):326–31

Application of deterministic epidemic theory to nasal carriage of Staphylococcus aureus. Goonatilake PC. **Int J Biomed Comput** 1983 Jul;14(4):345–52

Neonatal septic arthritis. Dan M. **Isr J Med Sci** 1983 Nov; 19(11):967–71

Impact of methicillin-resistant Staphylococcus aureus on the incidence of nosocomial staphylococcal infections. Boyce JM, et al. **J Infect Dis** 1983 Oct;148(4):763

Increased incidence of neonatal staphylococcal pyoderma in males. Enzenauer RW, et al. **Milit Med** 1984 Jul; 149(7):408–10

Septic arthritis in young infants: clinical and microbiologic correlations and therapeutic implications. Dan M. **Rev Infect Dis** 1984 Mar–Apr;6(2):147–55 (47 ref.)

Urinary tract infections in men caused by Staphylococcus saprophyticus. Hovelius B, et al. **Scand J Infect Dis** 1984; 16(1):37–41

[Bacteriologic evaluation of urinary tract infections in children] Szymborski J, et al. **Wiad Lek** 1984 Mar 1; 37(5):349–55 (Eng. Abstr.) (Pol)

[Atypical forms of osteomyelitis in children] Prokopova LV, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):81–4 (Eng. Abstr.) (Rus)

[Carriers of Staphylococcus aureus in a surgery department. Phage typing and study of sensitivity to antibiotics] Herrera VR, et al. **Rev Med Chil** 1984 Mar;112(3):242–6 (Eng. Abstr.) (Spa)

PATHOLOGY

Pathogenesis of experimentally produced corneal ulcers in rabbits. Mohan M, et al. **Ann Ophthalmol** 1984 Mar; 16(3):246–8, 250–2

Experimental study of acute suppurative bone and joint infection. I. Hematogenous osteomyelitis. Wang YZ, et al. **Chin Med J [Engl]** 1983 Nov;96(11):813–20

A rabbit model of toxic shock syndrome: clinicopathological features. Arko RJ, et al. **J Infect** 1984 May;8(3):205–11

An unusual pelvic lesion [clinical conference] Herring JA, et al. **J Pediatr Orthop** 1984 Jan;4(1):129–32

[Fatal sepsis from Staphylococcus aureus] Draganov V. **Vutr Boles** 1984;23(1):109–12 (Bul)

[Infantile acropustulosis] Raynaud F, et al. **Ann Pediatr (Paris)** 1984 May;31(5):387–91 (Eng. Abstr.) (Fre)

[Endocarditis and staphylococcal toxic shock with acute kidney failure (letter)] Fleury D, et al. **Presse Med** 1984 May 26;13(22):1395 (Fre)

[Electron microscopic studies of experimental staphylococcal infections in mice as chemotherapeutic models] Stebaeva LF, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):75–82 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Protective barrier effect of the posterior lens capsule in exogenous bacterial endophthalmitis—an experimental primate study. Beyer TL, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):108–12

Fever, C-reactive protein, and erythrocyte sedimentation rate in monitoring recovery from septic arthritis: a preliminary study. Peltola H, et al. **J Pediatr Orthop** 1984 Mar;4(2):170–4

[Electric phenomena in sterile and infected bone tissue] Cieszyński T. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):371–5 (Eng. Abstr.) (Pol)

PREVENTION & CONTROL

Adverse reactions to vancomycin used as prophylaxis for CSF shunt procedures. Odio C, et al. **Am J Dis Child** 1984 Jan;138(1):17–9

Combined topical and systemic antibiotic prophylaxis in experimental wound infection. Bergamini TM, et al. **Am J Surg** 1984 Jun;147(6):753–6

Cefamandole versus ampicillin/cloxacillin [letter] Carter MJ. **Ann Thorac Surg** 1984 Feb;37(2):180–1

Synthesis and biological activities of 4'-deoxy-4'-sulfonamido-oleandomycin derivatives. Bright GM, et al. **Antimicrob Agents Chemother** 1984 Jan; 25(1):113–7

Modified tissue culture medium for corneal storage I. Investigation of the effect of antibiotics on bacterial contamination. Liesegang TJ, et al. **Arch Ophthalmol** 1984 Apr;102(4):619–24

Hydrogen peroxide: potential for prophylaxis against bacteriuria. Reeves KD, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):11–4

Actual problems of immunoprophylactic and immunotherapy of burn infection. Kuzin MI, et al. **Burns Incl Therm Inj** 1983 Sep;10(1):34–40

Trial of a laminar air-flow enclosure for the control of infection in a burns operating theatre. Lilly HA, et al. **Burns Incl Therm Inj** 1984 Jun;10(5):309–12

An experimental evaluation of antiseptic wound irrigation. Platt J, et al. **J Hosp Infect** 1984 Jun;5(2):181–8

Epidemiology and control of staphylococcal pyoderma among newborn infants: evaluation of a method for routine cord care with 4 per cent chlorhexidine-detergent solution. Seeberg S, et al. **J Hosp Infect** 1984 Jun;5(2):121–36

Chemoprophylaxis of experimental rabbit endocarditis with N-formimidoyl thienamycin [letter] Guze PA, et al. **J Infect Dis** 1984 Jul;150(1):159–60

Antibiotic prophylaxis in neurosurgery [letter] Hudson SJ, et al. **J Neurosurg** 1984 Sep;61(3):618–9

A comparison of topical and systemic cefazolin for wound prophylaxis. Scher KS, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):117–9

[Nosocomial staphylococci. 2.] Boivin P. **Union Med Can** 1983 Dec;112(12):1130–4 (Eng. Abstr.) (Fre)

[Prevention and cure of purulent postoperative wounds in patients with acquired heart lesions after surgery involving extracorporeal circulation] Malyshev IuI, et al. **Grudn Khir** 1984 Jul–Aug;(4):39–41 (Eng. Abstr.) (Rus)

[Seasonal incidence of staphylodermas and their calculated prevention] Mar'iasis ED, et al. **Vestn Dermatol Venerol** 1983 Jul;(7):57–61 (Eng. Abstr.) (Rus)

[Prevention of the colonization of the nasal cavity in newborn infants by hospital strains of Staphylococcus aureus using lactic acid bacteria] Ambartsumian AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):53–6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Primary acute haematogenous osteomyelitis of an isolated metatarsal in children. Robb JE. **Acta Orthop Scand** 1984 Jun;55(3):334–8

Retropharyngeal abscess: a previously unreported symptom. Greene JS, et al. **Ann Emerg Med** 1984 Aug;13(8):615–9

Iliacus abscess. Simons GW, et al. **Clin Orthop** 1984 Mar; (183):61–3

Role of computed tomography in the diagnosis of infectious spondylitis. Hermann G, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):961–8

Case profile: psoas abscess. Elder JS. **Urology** 1984 Feb; 23(2):213–4

RADIONUCLIDE IMAGING

Cold osteomyelitis. Radionuclide bone scan findings. Barron BJ, et al. **Clin Nucl Med** 1984 Jul;9(7):392–3

The role of Tc-99m MDP and Ga-67 citrate in predicting the cure of osteomyelitis. Graham GD, et al. **Clin Nucl Med** 1983 Aug;8(8):344–6

Gallium-67 citrate imaging in subcutaneous abscess. Sagar VV, et al. **Clin Nucl Med** 1983 Nov;8(11):543–5

Scintigraphic detection of osteomyelitis with Tc-99m MDP and Ga-67 citrate: concise communication. Graham GD, et al. **J Nucl Med** 1983 Nov;24(11):1019–22

SURGERY

Prosthetic replacement of the knee in the treatment of infected and recurring giant cell tumor of the distal femur. Posinković B, et al. **Arch Orthop Trauma Surg** 1983; 102(2):131–4

Management of infected total knee arthroplasties. Walker RH, et al. **Clin Orthop** 1984 Jun;(186):81–9

Management of pelvic sepsis after Ivalon rectopexy. Lake SP, et al. **Dis Colon Rectum** 1984 Sep;27(9):589–90

Excision arthroplasty for infected total hip replacements. McElwaine JP, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):168–71

Infected arterial grafts: clinical manifestations and surgical management. DeRose G, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):51–7

Surgical intervention in staphylococcal endocarditis. Kugelberg J, et al. **Scand J Infect Dis [Suppl]** 1983;41:192–7

Reconstruction after median sternotomy infection. Pearl SN, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):47–52

Subphrenic abscess. van der Sluis RF. **Surg Gynecol Obstet** 1984 May;158(5):427–30

[Recurrent subareolar breast abscess] van Mourik JB. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):106–8 (Eng. Abstr.) (Dut)

[Treatment of chronic hematogenic osteomyelitis in adults] Birn L, et al. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):421–3 (Eng. Abstr.) (Pol)

[Results of surgical treatment combined with administration of decaris in patients with chronic post-traumatic osteomyelitis] Goc S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):435–40 (Eng. Abstr.) (Pol)

[Various aspects of morphological variants of healing of experimentally infected fractured treated conservatively and surgically] Szram S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):249–53 (Eng. Abstr.) (Pol)

[Evaluation of callus formation after conservative and surgical treatment of experimental infected fractures] Zołyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(3):245–7 (Eng. Abstr.) (Pol)

[Case of free muscle grafting with microvascular anastomoses for plastic surgery of bone cavities in the 'muscle-free' zone of the tibia] Belousov AE, et al. **Ortop Travmatol Protez** 1983 Nov;(11):53–4 (Rus)

[Treatment of carbuncles] Lokhvitskii SV, et al. **Vestn Khir** 1984 Jan;132(1):71–4 (Eng. Abstr.) (Rus)

THERAPY

Managing odontogenic infections. Johnson WT. **Am Fam Physician** 1984 May;29(5):167–72

Airway management in children with bacterial tracheitis. Weinberg S, et al. **Anesth Analg** 1984 Sep;63(9):860–2

Osteomyelitis of an epiphyseal region. Kinberg P. **J Foot Surg** 1983 Fall;22(3):251–6

Complete extra-anatomic bypass of the aortic root: treatment of recurrent mediastinal infection. Bove EL, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):932–4

Evolution and resolution of intracranial bacterial (mycotic) aneurysms. Morawetz RB, et al. **Neurosurgery** 1984 Jul; 15(1):43–9

Common bacterial infections of the skin. Becker LE, et al. **Primary Care** 1983 Sep;10(3):397–409

Current observations on breast abscess. Kokal WA, et al. **Va Med** 1983 Nov;110(11):664–5

[Liver abscess in a newborn infant. Cure following percutaneous puncture under echographic control] Montoya F, et al. **Pediatrie** 1983 Dec;38(8):547–51 (Eng.

Abstr.) (Fre)
[Nosocomial staphylococcal infections. 1] Boivin P. **Union Med Can** 1983 Nov;112(11):1065–8 (Eng. Abstr.) (Fre)
[Therapy of joint infection following interventions on the soft tissue of the knee joint] Paar O, et al. **Unfallheilkunde** 1983 Nov;86(11):489–91 (Eng. Abstr.) (Ger)
[Use of hyperimmune antistaphylococcal plasma in the combined treatment of patients with suppurative-septic processes] Papko GF, et al. **Gematol Transfuziol** 1983 Oct; 28(10):34–7 (Eng. Abstr.) (Rus)
[Suppurative complications of hip joint endoprosthesis by the Sivash method] Dem'ianov VM, et al. **Ortop Travmatol Protez** 1983 Sep;(9):24–8 (Eng. Abstr.) (Rus)
[Our experience in immunohematologic evaluation of the degree of effectiveness of hemosorption in surgical sepsis patients] Pashutin SB, et al. **Ter Arkh** 1983;55(11):117–9 (Rus)
[Combined treatment of patients with chronic pyoderma using dimocifon] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):19–23 (Eng. Abstr.) (Rus)
[Role of immunotherapy in the treatment of suppurative mediastinitis] Abakumov MM, et al. **Vestn Khir** 1984 Mar; 132(3):13–6 (Eng. Abstr.) (Rus)
[Multiple osteomyelitis of the long tubular bones of a child treated with hormones] Kukharenko SD, et al. **Vestn Khir** 1983 Aug;131(8):77–8 (Rus)
[Ultrasonic cavitation in the treatment of lactation suppuraiive mastitis] Romashov FN, et al. **Vestn Khir** 1983 Oct;131(10):44–6 (Eng. Abstr.) (Rus)
[Therapy of experimental staphylococcal infection by the transfusion of allogeneic leukocytes] Snastina TI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):101–4 (Eng. Abstr.) (Rus)

TRANSMISSION

Skin and skin structure infections in the patient at risk: carrier state of Staphylococcus aureus. Tuazon CU. **Am J Med** 1984 May 15;76(5A):166–71 (29 ref.)
Variant postpartum toxic shock syndrome with probable intrapartum transmission to the neonate. Chow AW, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1074–9
Infections caused by staphylococci. Jeljaszewicz J. **Infection** 1983;11 Suppl 2:S109–11
Spread of a toxic-shock syndrome-associated strain of Staphylococcus aureus and measurement of antibodies to staphylococcal enterotoxin F. Arnow PM, et al. **J Infect Dis** 1984 Jan;149(1):103–7
[Nosocomial staphylococcal infections. 3] Boivin P. **Union Med Can** 1984 Jan;113(1):50–3 (Eng. Abstr.) (Fre)

VETERINARY

Effect on outcome of intramammary challenge exposure with Staphylococcus aureus of somatic cell concentration and presence of an intramammary device. Schultze WD, et al. **Am J Vet Res** 1984 Mar;45(3):420–3
The susceptibility of bovine udder quarters colonized with Corynebacterium bovis to experimental infection with Staphylococcus aureus or Streptococcus agalactiae. Brooks BW, et al. **Can J Comp Med** 1984 Apr;48(2):146–50
Species of Staphylococcus isolated from animal infections. Cox HU, et al. **Cornell Vet** 1984 Apr;74(2):124–35
Staphylococcal bacterin for treatment of chronic staphylococcal blepharitis in the dog. Chambers ED, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):422–5
Porcine epidermitis and dermatitis associated with Staphylococcus hyicus and Dermatophilus congolensis infections. Lomax LG, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1091–2
Species distribution of coagulase-positive staphylococci in animals. Biberstein EL, et al. **J Clin Microbiol** 1984 May; 19(5):610–5
Neutrophil migration through test end tissues of bovine mammary quarters experimentally challenged with Staphylococcus aureus. Nickerson SC, et al. **J Dairy Sci** 1984 Apr;67(4):826–34
Cell content of goat milk: California mastitis test, Coulter counter , and fossomatic for predicting half infection. Poutrel B, et al. **J Dairy Sci** 1983 Dec;66(12):2575–9
Streptococcal and staphylococcal mastitis. McDonald JS. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):269–85
Immunization and immunity. Sears PM. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):391–8
Udder infection of goats by coagulase-negative staphylococci. Poutrel B. **Vet Microbiol** 1984 Apr; 9(2):131–7
Use of a conductivity meter for the detection of subclinical mastitis. Chamings RJ, et al. **Vet Rec** 1984 Mar 10; 114(10):243–5
Use of somatic cell counts for detection of subclinical mastitis in ewes. Green TJ. **Vet Rec** 1984 Jan 14;114(2):43
Cutaneous staphylococcosis in rabbits. Okerman L, et al. **Vet Rec** 1984 Mar 31;114(13):313–5
Staphylococcal dermatitis in unweaned lambs. Parker BN, et al. **Vet Rec** 1983 Dec 10;113(24):570–1

STAPHYLOCOCCAL NUCLEASE see **MICROCOCCAL NUCLEASE**

STAPHYLOCOCCAL PHAGES

[Phage pattern of Staphylococcus aureus strains isolated from the mouth and the nose of healthy people] Zelante F, et al. **Rev Saude Publica** 1983 Apr;17(2):123–9 (Eng. Abstr.) (Por)

GENETICS

Transferability & localisation of genetic determinants of staphylococcal drug resistance. Subramanyam VR, et al. **Indian J Med Res** 1983 Aug;78:181–92
Transduction analysis of transposon Tn551 insertions in the trp–thy region of the Staphylococcus aureus chromosome. Schroeder CJ, et al. **J Bacteriol** 1984 Feb;157(2):533–7
[Effect of mutagenic factors and transducing phages on the changes in serological properties and sensitivity to bacteriophages in Staphylococcus aureus] Karczewska E, et al. **Med Dosw Mikrobiol** 1983;35(2):107–13 (Eng. Abstr.) (Pol)
[Role of lysogenizing phages in the spread of drug-resistance plasmids in a staphylococcal population] Zueva VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):36–9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Lysogeny and other characteristics of Staphylococcus hyicus isolated from chickens. Kibenge FS, et al. **Vet Microbiol** 1983 Aug;8(4):411–5

STAPHYLOCOCCAL PNEUMONIA see **PNEUMONIA, STAPHYLOCOCCAL**

STAPHYLOCOCCAL PROTEIN A

Region X, the cell-wall-attachment part of staphylococcal protein A. Guss B, et al. **Eur J Biochem** 1984 Jan 16; 138(2):413–20
Radiochemical quality control of 99mTc-labelled immunoglobulin G by immobilised protein A from staphylococcus aureus. Sundrehagen E. **Eur J Nucl Med** 1983;8(10):447–9
An evaluation of the conditions necessary for optimal protein A–gold labelling of capsular antigen in ultrathin methacrylate sections of the bacterium Pasteurella haemolytica. Beesley JE, et al. **Histochem J** 1984 Feb; 16(2):151–63
An automatic fluorescence micro-ELISA system for quantitative screening of hybridoma supernatants using a protein-A–beta-galactosidase conjugate. Van Soest PL, et al. **Histochem J** 1984 Jan;16(1):21–35
Changes in circulating immune complexes in tumour patient serum after in vitro or ex vivo affinity chromatography of blood plasma or whole blood over immunoglobulin–binding staphylococcal protein A–Sepharose. Håkansson L, et al. **Int J Artif Organs** 1984 Jan;7(1):23–6
Detection of antibody made in rabbits to the C3HBA adenocarcinoma of mice using a Protein-A binding assay. Saha GB, et al. **Int J Nucl Med Biol** 1983;10(4):227–9
Radioactive labels for Protein A: evaluation in the indirect immunoradiometric assay (IRMA) for Bacillus anthracis spores. Phillips AP, et al. **J Appl Bacteriol** 1984 Jun; 56(3):449–56
Comparison of solid-phase immune electron microscopy by use of protein A with direct electron microscopy and enzyme-linked immunosorbent assay for detection of rotavirus in stool. Svensson L, et al. **J Clin Microbiol** 1983 Nov;18(5):1244–9
A model for the formation and interconversion of protein A–immunoglobulin G soluble complexes. Hanson DC, et al. **J Immunol** 1984 Mar;132(3):1397–409
Electron microscopic and hydrodynamic studies of protein A–immunoglobulin G soluble complexes. Hanson DC, et al. **J Immunol** 1984 Mar;132(3):1386–96
Detection of IgM anti-toxoplasma antibodies in acute acquired and congenital toxoplasmosis after protein A treatment of serum. Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep–Oct;25(5):201–6
[Immunoadsorption using Staphylococcus aureus, COWAN I strain] Behm E, et al. **Z Urol Nephrol** 1983 Aug; 76(8):511–7 (Eng. Abstr.) (Ger)
[Staphylococcal protein A in microbiological laboratory practice. II.] Negut M, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):1–26 (132 ref.) (Rum)
[Staphylococcal protein A in microbiology laboratory practice (I)] Strati I, et al. **Rev Ig [Bacteriol]** 1983 Oct–Dec; 28(4):289–310 (114 ref.) (Eng. Abstr.) (Rum)
[Preparation of protein A-peroxidase conjugate for immunoenzyme analysis] Vaserin IuI, et al. **Lab Delo** 1983; (12):19–20 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Effects of staphylococcal protein A on distribution of immune complexes in rats and uptake by phagocytic cells. Siag WM, et al. **Clin Immunol Immunopathol** 1984 Apr; 31(1):102–8
Inhibition of rat mammary tumor growth by purified protein A—a potential anti-tumor agent. Ray PK, et al. **Immunol Commun** 1983 Oct;12(5):453–64

ANALYSIS

Latex agglutination test to identify coagulase, clumping factor and protein A produced by staphylococci. Wang D, et al. **Clin Invest Med** 1983;6(4):301–4
Radioimmunoassays for protein A of Staphylococcus aureus. Langone JJ, et al. **J Immunol Methods** 1983 Oct 14; 63(2):145–57
[Demonstration of protein A production by staphylococci using the ELISA technic] Weiss R, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):424–34 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

Regulation of protein A biosynthesis in Staphylococcus aureus by certain antibiotics: its effect on phagocytosis by leukocytes. Gemmell CG, et al. **J Antimicrob Chemother** 1983 Dec;12(6):587–97
[Interrelation of the antibiotic sensitivity (resistance) of staphylococci, clinical forms of the infection and production of protein A] Fomenko GA. **Antibiotiki** 1984 Jun;29(6):421–7 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Quantification of platelet-bound IgG by 125I-Staphylococcal protein A in immune thrombocytopenic purpura and other thrombocytopenic disorders. Shaw GM, et al. **Blood** 1984 Jan;63(1):154–61
Comparison of protein A–gold and ferritin immunoelectron microscopy of Semliki Forest virus in mouse brain using a rapid processing technique. Evans NR, et al. **J Histochem Cytochem** 1984 Apr;32(4):372–8
The intracellular pathway of vitellogenin secretion in the frog hepatocyte as revealed by protein A–gold immunocytochemistry. Herbener GH, et al. **J Histochem Cytochem** 1984 Jul;32(7):697–704
Immunolabeling of adenohypophysial cells with protein A–colloidal gold—antibody complex for electron microscopy: use of the freeze-substitution technique in tissue preparation. Hisano S, et al. **J Histochem Cytochem** 1984 Jul;32(7):705–11
Preparation of 125I-protein A usable for up to 10 months in immunoassays. Dyrberg T, et al. **J Immunol Methods** 1984 Jul 6;71(2):193–201
A sensitive screening method of detecting anti-granulocyte antibodies employing radiolabeled staphylococcal protein A. Lazar GS, et al. **J Immunol Methods** 1984 Mar 30; 68(1–2):1–9
Addition of polyethylene glycol 6000 improves the sensitivity of the protein A plaque assay for detection of human immunoglobulin secreting cells. Trienekens PH, et al. **J Immunol Methods** 1984 Feb 10;66(2):341–7
The protein A–gold technique. Use in the immunoelectron microscopic study of the teleost growth hormone. Ueda H, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):39–46
Use of protein A–positive Staphylococci as adsorbent in a radioimmunoassay for cyclic AMP and cyclic GMP. Svenson M, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):67–72
Plaque-forming cells in man. I. Basic technical results obtained with the protein A technique. Tauris P. **Scand J Immunol** 1983 Sep;18(3):241–8
[Serodiagnosis of clonorchiasis by enzyme-linked immunosorbent assay with horseradish peroxidase-staphylococcal protein A] Kuo ZF, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):182–4 (Eng. Abstr.) (Chi)
[Diagnosis of zoonoses using SpA–HRPO conjugates for enzyme-linked immunosorbent assay (ELISA)] Li AF. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):244–5 (Eng. Abstr.) (Chi)
[A preliminary study on the application of SpA–Enz-IgG conjugate to the diagnosis of meningitis] Li JZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):301–4 (Eng. Abstr.) (Chi)
[Detection of anti-LSP antibody in sera of hepatitis patients by staphylococcal protein A ELISA] Hao LJ, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):502–4 (Eng. Abstr.) (Chi)
[Demonstration of antineutrophil antibodies using radioiodinated protein A] Cartron J, et al. **Nouv Rev Fr Hematol** 1983;25(5):323–8 (Eng. Abstr.) (Fre)
[A solid phase radioimmunoassay using 125I-protein A for the detection of anti-human thyroglobulin antibodies] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):815–23 (Eng. Abstr.) (Jpn)

GENETICS

Gene fusion vectors based on the gene for staphylococcal protein A. Uhlén M, et al. **Gene** 1983 Sep;23(3):369–78
Expression of the gene encoding protein A in Staphylococcus aureus and coagulase-negative staphylococci. Uhlén M, et al. **J Bacteriol** 1984 Aug;159(2):713–9
Complete sequence of the staphylococcal gene encoding protein A. A gene evolved through multiple duplications. Uhlén M, et al. **J Biol Chem** 1984 Feb 10;259(3):1695–702
Molecular organization of the protein A gene and its expression in recombinant host organisms. Colbert D, et al. **J Biol Response Mod** 1984;3(3):255–9

IMMUNOLOGY

The presence of autoantibodies directed to thyroid plasma membrane antigens in sera of patients with thyroid disorders, estimated by the reaction with labelled protein A. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):500–4

Staphylococcal protein A (SpA) does not induce production of interferon-gamma in human mononuclear blood cells. Carlsson R, et al. **Cell Immunol** 1984 Jun;86(1):136–44

Detection of antibodies to Chang liver cell in sera from patients with chronic liver diseases by 125I-labelled protein A binding assay and the effect of prednisolone and 6-mercaptopurine treatment on the level of the antibodies. Inagaki Y, et al. **Clin Exp Immunol** 1984 Jul;57(1):79–84

Use of enzyme-linked immunosorbent assay to detect antibodies to staphylococcal protein A in the rabbit. Muehlestein S, et al. **Immunol Lett** 1984;8(2):79–81

Staphylococcus aureus can substitute double antibody in radio-immunoassay of LHRH. Singh AK, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):327–30

Staphylococcus aureus protein A antibody-mediated haemagglutination assay. A study on the interaction between protein A-bound specific antibodies and red-cell-bound specific antigens. Jagannath C, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):296–302

Protein A treatment of cancer: activation of a serum component with trans-species anti-B16 melanoma activity. Cooper PD, et al. **Int J Cancer** 1983 Dec 15;32(6):737–44

Complexes containing Staphylococcus aureus protein A: composition and biological activity. Langone JJ. **J Biol Response Mod** 1984;3(3):241–6

Surface antigens of intact Aspergillus fumigatus mycelium: their localization using radiolabelled protein A as marker. Hearn VM. **J Gen Microbiol** 1984 Apr;130 (Pt 4):907–17

ISOLATION & PURIFICATION

Gene fusion vectors based on the gene for staphylococcal protein A. Uhlén M, et al. **Gene** 1983 Sep;23(3):369–78

METABOLISM

Tumoricidal response following perfusion over immobilized protein A: identification of immunoglobulin oligomers in serum after perfusion and their partial characterization. Balint J Jr, et al. **Cancer Res** 1984 Feb;44(2):734–43

Immune adherence and staphylococcus protein A binding of soluble immune complexes produced by complement activation. Schifferli JA, et al. **Clin Exp Immunol** 1983 Dec; 54(3):827–33

The effect of aglycosylation on the binding of mouse IgG to staphylococcal protein A. Leatherbarrow RJ, et al. **FEBS Lett** 1983 Dec 12;164(2):227–30

Heterogeneity of human polyclonal IgE reacting with staphylococcal protein A. Zikán J, et al. **Folia Microbiol (Praha)** 1984;29(3):264–8

Cleavage of protein A–binding IgA1 with IgA1 protease from Streptococcus sanguis. Biewenga J, et al. **Immunol Commun** 1983 Oct;12(5):491–500

Selective affinity of protein A containing staphylococci for monomeric and polymeric IgG. Dobre MA, et al. **J Immunol Methods** 1984 Jan 20;66(1):171–8

Determination of immunoglobulin class by pattern of absorption to protein A–sepharose coupled with immunoglobulin class specific antibodies. Russell SH, et al. **J Immunol Methods** 1984 Feb 10;66(2):323–6

Immunochemical evaluation of radioiodinated protein A. Wang HP, et al. **J Immunol Methods** 1984 Aug 3; 72(1):61–70

PHARMACODYNAMICS

SpA-induced immunoglobulin production in human peripheral blood lymphocytes. I. Conditions of SpA-induced immunoglobulin production. Hirata T. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1–2):10–20

Staphylococcal protein-A is a potent T-cell mitogen of tonsillar lymphocytes. Jacob MC, et al. **Immunol Lett** 1983; 7(2):77–80

Response of human B cells to Staphylococcus aureus Cowan I: T-independent proliferation and T-dependent differentiation to immunoglobulin secretion involve subsets separable by rosetting with mouse erythrocytes. Ito S, et al. **J Immunol** 1984 Oct;133(4):1891–5

Generation of human C3a, C4a, and C5a anaphylatoxins by protein A of Staphylococcus aureus and immobilized protein A reagents used in serotherapy of cancer. Langone JJ, et al. **J Immunol** 1984 Aug;133(2):1057–63

Streptococcal Fc receptors. II. Comparison of the reactivity of a receptor from a group C streptococcus with staphylococcal protein A. Reis KJ, et al. **J Immunol** 1984 Jun;132(6):3098–102

Protein A and enterotoxin A: two distinct Staphylococcus mitogens for human T lymphocytes. Romagnani S, et al. **J Immunol** 1984 Feb;132(2):566–8

IgG-protein A complexes modulate thymidine incorporation into DNA of antibody and complement-stimulated cells. Shearer WT, et al. **J Immunol** 1984 May;132(5):2279–84

Kinetics of protein A activation of mononuclear cells from patients with chronic lymphocytic leukemia--I. CLL B-cells are not intrinsically unresponsive to staphylococcal protein A. Scouros MA, et al. **Leuk Res** 1983;7(6):703–12

PHYSIOLOGY

A non-dissociable rabbit IgG-protein a complex. Mota G, et al. **Ann Immunol (Paris)** 1983 May-Jun;134C(3):331–40

SECRETION

Perfusion of canine serum over Staphylococcus aureus Cowan 1: Evidence for release of protein A and changes in specific antibody activity. Balint J Jr, et al. **Immunol Commun** 1983;12(6):573–91

THERAPEUTIC USE

Feasibility of extracorporeal on-line large-scale plasma adsorptions on protein A–sepharose columns in cancer patients. Wallmark A, et al. **Artif Organs** 1984 Feb; 8(1):72–81

Histological and ultrastructural changes in breast adenocarcinoma after treatment with plasma perfused over immobilized protein A. Daskal Y, et al. **Cancer Res** 1984 May;44(5):2225–35

Clinical trials with staphylococcal protein A. Bensinger WI, et al. **J Biol Response Mod** 1984;3(3):347–51

Staphylococcal protein A immunoadsorptive column induces mitogenicity in perfused plasma. Bertram JH, et al. **J Biol Response Mod** 1984;3(3):235–40

Experience with Staphylococcus aureus and protein A in the treatment of canine malignancies. Bowles CA, et al. **J Biol Response Mod** 1984;3(3):260–5

Treatment of canine transmissible venereal tumor by intravenous administration of protein A. Cohen D, et al. **J Biol Response Mod** 1984;3(3):271–7

Ultrastructural changes in breast tumors of patients following treatment with plasma perfused over immobilized protein A. Daskal Y, et al. **J Biol Response Mod** 1984;3(3):247–54

Remission of lymphoma leukemia in cats following ex vivo immunosorption therapy using Staphylococcus protein A. Day NK, et al. **J Biol Response Mod** 1984;3(3):278–85

A trial of autologous plasma perfusion over protein A in patients with breast cancer. Fer MF, et al. **J Biol Response Mod** 1984;3(3):352–8

Perfusion of plasma over Staphylococcus aureus: release of bacterial products is related to regression of tumor. Gordon BR, et al. **J Biol Response Mod** 1984;3(3):266–70

Lymphosarcoma and persistent feline leukemia virus infection of pet cats: a system to study responses during extracorporeal treatments. Jones FR, et al. **J Biol Response Mod** 1984;3(3):286–92

Extracorporeal perfusion of plasma over immobilized protein A in a patient with Kaposi's sarcoma and acquired immunodeficiency. Kiprov DD, et al. **J Biol Response Mod** 1984;3(3):341–6

Clinical experiences with extracorporeal immunoperfusion of plasma from cancer patients. Korec S, et al. **J Biol Response Mod** 1984;3(3):330–5

Clinical response to protein a-treated plasma infusions and in vitro correlation. MacKintosh FR, et al. **J Biol Response Mod** 1984;3(3):336–40

Clinical trials with Staphylococcus aureus and protein A in the treatment of malignant disease. Messerschmidt GL, et al. **J Biol Response Mod** 1984;3(3):325–9

Effect of frequency of plasma adsorption over protein A–containing Staphylococcus aureus on regression of rat mammary adenocarcinomas: modification of antitumor immune response and tumor histopathology. Ray PK, et al. **J Biol Response Mod** 1984;3(1):39–59

Adsorption of plasma from tumor-bearing hosts over protein A—containing nonviable Staphylococcus aureus Cowan I: possible mechanism of antitumor reactions. Ray PK, et al. **J Biol Response Mod** 1984;3(3):293–302

Plasma therapy of primary rat mammary carcinoma: antitumor activity of tumor-bearer plasma adsorbed against inactivated CNBr sepharose or protein A–sepharose. Sukumar S, et al. **J Biol Response Mod** 1984;3(3):303–15

Staphylococcal protein A in neoplastic disease. Terman DS. **J Biol Response Mod** 1984;3(3):316–24

Treatment of advanced malignancy with plasma perfused over staphylococcal protein A. MacKintosh FR, et al. **West J Med** 1983 Jul;139(1):36–40

STAPHYLOCOCCAL TOXOID

ADMINISTRATION & DOSAGE

[Induction of leukocyte interferon in pregnant women and parturients] Eristavi ZA, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):38–40 (Eng. Abstr.) **(Rus)**

[Prevention and cure of purulent postoperative wounds in patients with acquired heart lesions after surgery involving extracorporeal circulation] Malyshev IuI, et al. **Grudn Khir** 1984 Jul-Aug;(4):39–41 (Eng. Abstr.) **(Rus)**

[Immunological effectiveness of the combined vaccination of donors with inactivated chromatographic influenza vaccine and adsorbed staphylococcal anatoxin] Gel'fand AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May; (5):95–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Functional state of the body of the donors immunized with various antigens] Demidova NV. **Gematol Transfuziol** 1983 Jul;28(7):41–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of adsorbed staphylococcal anatoxin in the preoperative period in patients with ventral hernias] Iagovkin VF, et al. **Klin Khir** 1984 Mar;(3):64–5 **(Rus)**

[Improvement of the treatment of furunculosis based on immunological data] Zaĭtseva SIu. **Sov Med** 1983;(7):34–7 (Eng. Abstr.) **(Rus)**

[Immunotherapy in the complex treatment of acute suppurative diseases of soft tissues and the hand under ambulatory conditions] Zebzeev EF, et al. **Vestn Khir** 1983 Oct;131(10):108–9 (Eng. Abstr.) **(Rus)**

STAPHYLOCOCCAL VACCINES

ADMINISTRATION & DOSAGE

Staphylococcus aureus inhibits contact sensitivity to oxazolone by activating suppressor B cells in mice. Benedettini G, et al. **Int Arch Allergy Appl Immunol** 1984; 73(3):269–73

THERAPEUTIC USE

Actual problems of immunoprophylactic and immunotherapy of burn infection. Kuzin MI, et al. **Burns Incl Therm Inj** 1983 Sep;10(1):34–40

Staphylococcal bacterin for treatment of chronic staphylococcal blepharitis in the dog. Chambers ED, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):422–5

Staphylococcal capsular vaccine for preventing mastitis in two herds in Georgia. Yoshida K, et al. **J Dairy Sci** 1984 Mar;67(3):620–7

Utilization of antipiocianaeus and antistaphylococcus vaccine in the treatment of the severe burned patients. Rossi R, et al. **Panminerva Med** 1983 Jul-Sep;25(3):167–8

[Chronic nonspecific osteomyelitis. Bacteriology and immunology of osteomyelitis] Hałasa J. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):377–82 (Eng. Abstr.) **(Pol)**

STAPHYLOCOCCUS

Staphylococcus saprophyticus as a common cause of urinary tract infections. Hovelius B, et al. **Rev Infect Dis** 1984 May-Jun;6(3):328–37 (56 ref.)

[Effect of staphylococcal toxin and antistaphylococcal gamma-globulin on the electrical and contractile activity of the guinea pig myocardium] Vornovitskiĭ EG, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):16–9 (Eng. Abstr.) **(Rus)**

[Micromethod for determining the titer of staphylococcal antitoxin in the blood serum of children] Ebert LIa, et al. **Lab Delo** 1984;(6):370–1 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of cell wall teichoic acid structure of staphylococci by rapid chemical and serological screening methods. Endl J, et al. **Arch Microbiol** 1984 Mar; 137(3):272–80

Chemical composition and structure of cell wall teichoic acids of staphylococci. Endl J, et al. **Arch Microbiol** 1983 Sep;135(3):215–23

[Demonstration of protein A production by staphylococci using the ELISA technic] Weiss R, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):424–34 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Evaluation of API 20E strips for identification of coagulase-negative staphylococci from the urinary tract. Anderson DY, et al. **Am J Med Technol** 1983 Dec; 49(12):879–81

Bacteriophage typing of Staphylococcus hyicus subsp hyicus isolated from pigs. Kawano J, et al. **Am J Vet Res** 1983 Aug;44(8):1476–9

Characterization of staphylococci. Hoover DG, et al. **Appl Environ Microbiol** 1983 Sep;46(3):649–60

Rapid determination of novobiocin susceptibility for the identification of Staphylococcus saprophyticus. Leighton PM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):261–4

Characterization of Staphylococcus saprophyticus strains isolated from the urethra and the vagina. Tselenis-Kotsowilis A, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):476–7

Evaluation of the automicrobic system gram-positive identification card for species identification of coagulase-negative staphylococci. Almeida RJ, et al. **J Clin Microbiol** 1983 Aug;18(2):438–9

Identification of coagulase-negative staphylococci with the API STAPH-IDENT system. Almeida RJ, et al. **J Clin Microbiol** 1983 Aug;18(2):254–7

Comparison of various methods for differentiation of staphylococci and micrococci. Baker JS. **J Clin Microbiol** 1984 Jun;19(6):875–9

Species distribution of coagulase-positive staphylococci in animals. Biberstein EL, et al. **J Clin Microbiol** 1984 May; 19(5):610–5

Characterization of clinically significant strains of coagulase-negative staphylococci. Christensen GD, et al. **J Clin Microbiol** 1983 Aug;18(2):258–69

Differentiation of Staphylococcus and Micrococcus spp. with the Taxo A bacitracin disk. Falk D, et al.

J Clin Microbiol 1983 Sep;18(3):719–21

Comparison of the API Staph–Ident and DMS Staph–Trac systems with conventional methods used for the identification of coagulase–negative staphylococci. Giger O, et al. **J Clin Microbiol** 1984 Jan;19(1):68–72

Effect of different media on determination of novobiocin resistance for differentiation of coagulase–negative staphylococci. Goldstein J, et al. **J Clin Microbiol** 1983 Sep;18(3):592–5

Five–hour novobiocin test for differentiation of coagulase–negative staphylococci. Harrington BJ, et al. **J Clin Microbiol** 1984 Feb;19(2):279–80

Identification of Staphylococcus species of bovine origin with the API Staph–Ident system. Langlois BE, et al. **J Clin Microbiol** 1983 Nov;18(5):1212–9

Characterization of coagulase–positive Staphylococcus intermedius and Staphylococcus aureus isolated from veterinary clinical specimens. Raus J, et al. **J Clin Microbiol** 1983 Oct;18(4):789–92

Classification of coagulase–negative staphylococci in diagnostic practice. Kuz'minskii SN, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(1):103–6

Identification of staphylococci by pyrolysis gas–liquid chromatography. Magee JT, et al. **J Med Microbiol** 1983 Nov;16(4):483–95

The application of numerical taxonomy in the classification of staphylococci from bovine milk. Erasmus JA. **Onderstepoort J Vet Res** 1983 Dec;50(4):291–3

Numerical taxonomy of staphylococci. Goodfellow M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):7–24

Cell wall analysis and taxonomy of staphylococci. Schumacher–Perdreau F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):25–36

[Classification and antibiotic sensitivity of coagulase–negative staphylococci isolated from urinary tract infections] Okuda T, et al. **Kansenshogaku Zasshi** 1983 Nov;57(11):964–70 (Eng. Abstr.) **(Jpn)**

[Serological characteristics of subgroup 3 of micrococci (Staphylococcus saprophyticus biotype 3) isolated from urine] Galiński J, et al. **Med Dosw Mikrobiol** 1983;35(1):1–7 (Eng. Abstr.) **(Pol)**

[Identification of Staphylococcus strains obtained from various clinical specimens] Kasprowicz A, et al. **Med Dosw Mikrobiol** 1983;35(3–4):165–70 (Eng. Abstr.) **(Pol)**

[Comparison of the spectra of membrane proteins in differentiating coagulase–negative staphylococci] Degteva GK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb; (2):40–2 (Eng. Abstr.) **(Rus)**

[Comparison of the spectra of the extracellular proteins in differentiating staphylococcal cultures] Degteva GK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):43–7 (Eng. Abstr.) **(Rus)**

[Phage typing of the coagulase–positive staphylococci isolated from various species of animals] Samsonova TM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):13–6 (Eng. Abstr.) **(Rus)**

[Bacteriological study of 160 strains of coagulase–negative Staphylococcus of human origin] Paredes L, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):1–6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Population analysis of susceptibility to methicillin, vancomycin, and three cephalosporines in two methicillin–resistant strains of Staphylococcus epidermidis. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug;91(4):279–84

Self–transmissible plasmids in staphylococci that encode resistance to aminoglycosides. Archer GL, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):70–7

Occurrence and expression of imipemide (N–formimidoyl thienamycin) resistance in clinical isolates of coagulase–negative staphylococci. Blumenthal RM, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):61–9

Bactericidal activities of five antibiotics during short–term exposure to coagulase–negative staphylococci. Fischer PR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):502–3

Cross–resistance between methicillin and cephalosporins for staphylococci: a general assumption not true for cefamandole. Frongillo RF, et al. **Antimicrob Agents Chemother** 1984 May;25(5):666–8

Comparative in vitro activities of teichomycin and vancomycin alone and in combination with rifampin and aminoglycosides against staphylococci and enterococci. Tuazon CU, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):411–2

Aquatic and clinical staphylococcal characterization and associated antibiotic, heavy metal, and chlorine sensitivities. Brown NE, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):32–42

Susceptibility of gram–positive aerobic cocci to the new cephalosporin HR 810 [letter] Bauernfeind A. **Eur J Clin Microbiol** 1983 Aug;2(4):354–5

Activity of cephalosporins against methicillin–resistant coagulase–negative staphylococci. Mouton RP, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):144–6

Classification and lysostaphin susceptibility of airborne staphylococci. Terayama K, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):313–6

Activity of rifampicin against staphylococci, with special reference to multiresistant strains. Dixson S, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:7–16

Early detection of oxacillin–resistant staphylococcal strains with hypertonic broth diluent for microdilution panels. Dillon LK, et al. **J Clin Microbiol** 1984 Apr;19(4):473–6

Aminoglycoside resistance among blood culture isolates. Huovinen P, et al. **J Clin Microbiol** 1984 Jul;20(1):65–9

Reliability of in vitro susceptibility tests for detecting coagulase–negative staphylococcal resistance to penicillinase–resistant semisynthetic penicillins. Lowy FD, et al. **J Clin Microbiol** 1983 Nov;18(5):1122–6

New recommendations for disk diffusion antimicrobial susceptibility tests for methicillin–resistant (heteroresistant) staphylococci. McDougal LK, et al. **J Clin Microbiol** 1984 Apr;19(4):482–8

Detection of oxacillin–resistant staphylococci by the AutoMicrobic system. Stotler RW, et al. **J Clin Microbiol** 1983 Nov;18(5):1205–11

Successful use of broth microdilution in susceptibility tests for methicillin–resistant (heteroresistant) staphylococci. Thornsberry C, et al. **J Clin Microbiol** 1983 Nov; 18(5):1084–91

Mechanisms of resistance of staphylococci grown in plasma to polymorph bactericidins. Kolawole DO. **J Hyg (Lond)** 1984 Apr;92(2):183–92

Evaluation and use of the drug inhibition method of measuring intracellular killing in differentiating between staphylococci grown in vivo and in vitro. Kolawole DO. **J Hyg (Lond)** 1983 Oct;91(2):211–22

Antibiotic sensitivity pattern in bacterial endocarditis. Haq G, et al. **JPMA** 1983 Jun;33(6):129–32

Long–term studies of the effect of rifampin on nasal carriage of coagulase–positive staphylococci. Wheat LJ, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S459–62

Antibacterial activity of cephem antibiotics against common clinical isolates. I. Staphylococcus. Luh KT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1233–9

[Fosfomycin resistance in Staphylococcus saprophyticus and other species of coagulase–negative staphylococci] Loulergue J, et al. **Ann Microbiol (Paris)** 1984 Mar–Apr; 135(2):239–47 (Eng. Abstr.) **(Fre)**

[In vitro study of the cefamandole–fosfomycin combination against methicillin–resistant staphylococci] Fosse T, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):528–31 (Eng. Abstr.) **(Fre)**

[In vitro study of strains of Staphylococcus: choice of an antibiotic] Messmer JC, et al. **Sem Hop Paris** 1984 May 3;60(19):1329–32 (Eng. Abstr.) **(Fre)**

[The current state of staphylococcal resistance to chemotherapeutics] Busch U, et al. **Arzneimittelforsch** 1983; 33(8):1081–3 (Eng. Abstr.) **(Ger)**

[Epidemiology of resistance to mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):83–90 (Eng. Abstr.) **(Ger)**

[Bacterial aerosols. 9. Antibiotic sensitivity of air–borne bacteria originating from health subjects] Terayama K, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):677–82 (Eng. Abstr.) **(Jpn)**

[Drug resistance of coagulase–negative staphylococci of animal origin depending on the source of the isolation and species classification of the strains] Akatov AK, et al. **Antibiotiki** 1984 Feb;29(2):117–20 (Eng. Abstr.) **(Rus)**

[Combined action of nitrofuran preparations and bile acids on staphylococci] Tkachuk NI. **Antibiotiki** 1984 Mar; 29(3):188–91 (Eng. Abstr.) **(Rus)**

[Effect of bile and bile acids on bacterial resistance to antibiotics] Tvorko MS, et al. **Antibiotiki** 1984 Apr; 29(4):257–60 (Eng. Abstr.) **(Rus)**

[Theoretical substantiation of methods for limiting the circulation of drug–resistant staphylococci] Zueva VS. **Antibiotiki** 1984 Apr;29(4):299–311 (31 ref.) **(Rus)**

[Combined effect of propolis and different antibiotics on Staphylococci] Sytnik IA, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):47–50 (Eng. Abstr.) **(Rus)**

[Microbial sensitivity to antibiotics and dioxidine in pyoderma and microbial eczema] Artem'ev IuK, et al. **Voen Med Zh** 1983 Dec;(12):64–5 **(Rus)**

ENZYMOLOGY

Differentiation of staphylococci on the basis of nuclease properties. Gudding R. **J Clin Microbiol** 1983 Nov; 18(5):1098–101

Biochemical and physical properties of the endo–beta–N–acetylglucosaminidases from Staphylococcus aureus, Staphylococcus simulans, and Staphylococcus saprophyticus. Valisena S, et al. **Microbiologica** 1983 Oct; 6(4):277–91

Detection of beta lactamase producing bacteria by Cefinase: comparison with three other methods. Qadri SM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):489–93

Physical and chemical properties of extracellular staphylococcal lipase. Tyski S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):153–61

Lipolytic and proteolytic properties of staphylococci. Tyski S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):452–8

[Significance of the DNase activity of animal staphylococci] Köhler–Samouilidis G. **DTW** 1984 Apr 9;91(4):157–8 (Eng. Abstr.) **(Ger)**

[Production of proteolytic enzymes by Staphylococci isolated from the humans] Ciborowski P, et al. **Med Dosw Mikrobiol** 1983;35(1):15–9 (Eng. Abstr.) **(Pol)**

[Comparison of several methods of detecting staphylococcal penicillinase activity] Ivanov NA, et al. **Lab Delo** 1983; (8):40–2 (Eng. Abstr.) **(Rus)**

[Determination of staphylococcal lysozyme activity by means of a nephelometer] Medianik NI. **Lab Delo** 1983;(8):39–40 (Eng. Abstr.) **(Rus)**

[Species characteristics of coagulase–negative staphylococci of animal origin] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):37–40 (Eng. Abstr.) **(Rus)**

GENETICS

Transferability & localisation of genetic determinants of staphylococcal drug resistance. Subramanyam VR, et al. **Indian J Med Res** 1983 Aug;78:181–92

Interspecific co–transfer of antibiotic resistance plasmids in staphylococci in vivo. Naidoo J. **J Hyg (Lond)** 1984 Aug; 93(1):59–66

Construction and characterization of plasmid vectors for cloning in Staphylococcus aureus and Staphylococcus carnosus. Keller G, et al. **Plasmid** 1983 Nov;10(3):270–8

[Molecular biological characteristics of staphylococcal plasmids] Zueva VS, et al. **Antibiotiki** 1984 Feb; 29(2):148–54 (65 ref.) **(Rus)**

[Choice and selection of a Staphylococcus saprophyticus strain—a urease producer] Iuodval'kite DIu, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):579–85 (Eng. Abstr.) **(Rus)**

[Growth indices of Bacillus subtilis clones transformed by staphylococcal plasmid DNA] Ivanov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):38–41 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Investigations on staphylococcal infection of transvenous endocardial pacemaker electrodes. Peters G, et al. **Am Heart J** 1984 Aug;108(2):359–65

Acetic, propionic, and oleic acid as the possible factors influencing the predominant residence of some species of Propionibacterium and coagulase–negative Staphylococcus on normal human skin. Ushijima T, et al. **Can J Microbiol** 1984 May;30(5):647–52

Growth of coagulase–negative staphylococci on colistin–nalidixic acid agar and susceptibility to polymyxins. Fung JC, et al. **J Clin Microbiol** 1984 May; 19(5):714–6

Evaluation and use of the drug inhibition method of measuring intracellular killing in differentiating between staphylococci grown in vivo and in vitro. Kolawole DO. **J Hyg (Lond)** 1983 Oct;91(2):211–22

Adherence and growth of bacteria on bone cement in vitro and in chronologically infected artificial joints. Draenert K, et al. **Scan Electron Microsc** 1983;(Pt 1):255–61

IMMUNOLOGY

Pneumococcal cell wall phosphorylcholine elicits polyclonal antibody secretion in mice. Bach MA, et al. **Eur J Immunol** 1984 Jul;14(7):589–94

Use of immunofluorescence technique to demonstrate complement activation in vitro by microbes. Parkash O, et al. **Indian J Exp Biol** 1983 Dec;21(12):674–6

Oligosaccharide structures mediating agglutination of sheep erythrocytes by Staphylococcus saprophyticus. Gunnarsson A, et al. **Infect Immun** 1984 Jul;45(1):41–6

Influence of clindamycin on fibronectin–staphylococcal interactions. Doran JE, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:75–83

Applications of fluorescent antibody for detecting capsular substances in Staphylococcus epidermidis. Ichiman Y. **J Appl Bacteriol** 1984 Apr;56(2):311–6

[Use of hyperimmune antistaphylococcal plasma in the combined treatment of patients with suppurative–septic processes] Papko GF, et al. **Gematol Transfuziol** 1983 Oct; 28(10):34–7 (Eng. Abstr.) **(Rus)**

[Means for increasing the preparation of immune antistaphylococcal plasma for production of immunoglobulins] Timofeev GA, et al. **Gematol Transfuziol** 1984;29(5):55–7 **(Rus)**

[Use of staphylococcal antiphagin in the complex surgical treatment of purulent processes of the soft tissues of the face and neck] Solntsev AM, et al. **Klin Khir** 1984 Jan; (1):74–5 **(Rus)**

[Experimental study of the immunogenicity of a monopreparation of Klebsiella pneumoniae antigen complex and its association with Staphylococcus, Proteus and Escherichia coli antigens] Egorova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**

[Characteristics of regression interrelations between the immune reactions to different staphylococcal strains in chronic inflammatory diseases of the upper respiratory tracts] Poniakina ID, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):92–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Presumptive identification of Staphylococcus saprophyticus from urine specimens by colony appearance and coagulase testing: an evaluation. Loo SY, et al. **Am J Clin Pathol** 1984 May;81(5):647–50

An evaluation of the novobiocin disc diffusion method for identifying clinical isolates of Staphylococcus saprophyticus. Ducate MJ, et al. **Am J Med Technol** 1983 Jul;49(7):509–12

Species of Staphylococcus isolated from animal infections. Cox HU, et al. **Cornell Vet** 1984 Apr;74(2):124–35

Drug resistant enterotoxigenic staphylococci in the nails of hospital personnel. Devi JN, et al. **Indian J Med Res** 1984 Mar;79:321–6

Coagulase negative staphylococci in the urinary tract. Saini S, et al. **Indian J Med Res** 1983 Jul;78:26–8

Species identification and antibiotic susceptibilities of coagulase-negative staphylococci isolated from clinical specimens. Gill VJ, et al. **J Clin Microbiol** 1983 Dec; 18(6):1314–9

Clinical comparison of the AutoMicrobic system gram-positive identification card, API Staph-Ident, and conventional methods in the identification of coagulase-negative Staphylococcus spp. Grasmick AE, et al. **J Clin Microbiol** 1983 Dec;18(6):1323–8

Abbreviated scheme for presumptive identification of Staphylococcus saprophyticus from urine cultures. Morgan JW. **J Clin Microbiol** 1983 Nov;18(5):1272–4

Identification, clinical distribution, and susceptibility to methicillin and 18 additional antibiotics of clinical Staphylococcus isolates: nationwide investigation in Italy. Varaldo PE, et al. **J Clin Microbiol** 1984 Jun;19(6):838–43

Urinary tract infections in men caused by Staphylococcus saprophyticus. Hovelius B, et al. **Scand J Infect Dis** 1984; 16(1):37–41

Isolation of enterotoxigenic strains of staphylococci from dogs. Adesiyun AA, et al. **Vet Microbiol** 1983 Oct; 8(5):459–68

Identification and characterization of staphylococci isolated from cats. Devriese LA, et al. **Vet Microbiol** 1984 Jul; 9(3):279–85

Staphylococci isolated from abscesses in slaughtered animals: characterization and epidemiological studies. Menes I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan; 178(5–6):551–61

[Streptococci and staphylococci in raw cow's milk on the market] Mladenov M, et al. **Vet Med Nauki** 1984;21(2):91–5 (Eng. Abstr.) **(Bul)**

[Isolation of coagulase-positive Staphylococcus from raw milk] Yan ZY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep;17(5):297–9 (Eng. Abstr.) **(Chi)**

[Use of paper indicator systems for the rapid identification of Corynebacterium diphtheriae, Neisseria meningitidis and the genus Staphylococcus] Fel'dman IuM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):33–6 (Eng. Abstr.) **(Rus)**

[Isolation of pathogenic Staphylococci in a selective medium] Leiva T, et al. **Rev Cubana Med Trop** 1983 May–Aug; 35(2):213–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Structure and biosynthesis of teichoic acids in the cell walls of Staphylococcus xylosus DSM 20266. Fiedler F, et al. **Arch Microbiol** 1984 Aug;138(4):321–8

Requirement of a large amount of polyuridylate for efficient polyphenylalanine synthesis by staphylococcal ribosomes. Nakajima Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb; 32(2):762–6

Binding of fibronectin to Staphylococcus strains. Switalski LM, et al. **Infect Immun** 1983 Nov;42(2):628–33

[The heterogeneity of Staphylococci. 1] Hofmans M, et al. **J Pharm Belg** 1983 Jul–Aug;38(4):189–99 (Eng. Abstr.) **(Fre)**

[Dynamics of the production of staphylococcal enterotoxin and thermonuclease in foods responsible for outbreaks of food poisoning] Baldini I, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec;75(7–12):289–301 (Eng. Abstr.) **(Ita)**

[Evaluation of the lipolytic properties of staphylococcal strains isolated from the humans] Tyski S, et al. **Med Dosw Mikrobiol** 1983;35(1):9–14 (Eng. Abstr.) **(Pol)**

[Bacteriocinogeny of staphylococci] Ivanov NA. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):3–7 (67 ref.) **(Rus)**

[Hemolytic activity and hemolysins produced by Staphylococcus isolated from abscesses during meat inspections] Menes I, et al. **Rev Latinoam Microbiol** 1982 Jul–Sep;24(3):151–6 (Eng. Abstr.) **(Spa)**

PATHOGENICITY

Bacterial translocation from the gastrointestinal tracts of rats receiving thermal injury. Maejima K, et al. **Infect Immun** 1984 Jan;43(1):6–10

Study of coagulase-negative staphylococci in clinical infections. Gaikwad S, et al. **J Postgrad Med** 1983 Jul; 29(3):162–4

Fibronectin and toxic shock syndrome [letter] Wadström T, et al. **JAMA** 1984 Jul 20;252(3):343

[Capsule formation and virulence in staphylococci] Oleĭnik II, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar; (3):19–25 (53 ref.) **(Rus)**

PHYSIOLOGY

Adhesion of coagulase-negative staphylococci to biomaterials. Hogt AH, et al. **J Gen Microbiol** 1983 Sep; 129 (Pt 9):2959–68

Quantitative adherence in vitro of coagulase-negative staphylococci to intravascular catheters: inhibition with D-mannosamine. Franson TR, et al. **J Infect Dis** 1984 Jan; 149(1):116

Lysogeny and other characteristics of Staphylococcus hyicus isolated from chickens. Kibenge FS, et al. **Vet Microbiol** 1983 Aug;8(4):411–5

Microbial colonization of prosthetic devices. V. attachment of coagulase-negative staphylococci and 'slime'-production on chemically pure synthetic polymers. Ludwicka A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):527–32

ULTRASTRUCTURE

Morphology of bacterial attachment to cardiac pacemaker leads and power packs. Marrie TJ, et al. **J Clin Microbiol** 1984 Jun;19(6):911–4

STAPHYLOCOCCUS AUREUS

Staphylococcus aureus and human platelets cause pulmonary hypertension and thromboxane generation in isolated saline-perfused rabbit lungs. Shoemaker SA, et al. **Am Rev Respir Dis** 1984 Jan;129(1):92–5

Rapid enumeration of Staphylococcus aureus in foods by direct demonstration of enterotoxigenic colonies on membrane filters by enzyme immunoassay. Peterkin PI, et al. **Appl Environ Microbiol** 1984 May;47(5):1047–53

Analysis of in vitro polyclonal B cell differentiation responses to bacterial peptidoglycan and pokeweed mitogen in rheumatoid arthritis. Pardo I, et al. **Clin Exp Immunol** 1984 May;56(2):253–62

Soluble peptidoglycan from Staphylococcus aureus is a murine B-lymphocyte mitogen. Babu UM, et al. **Infect Immun** 1983 Dec;42(3):1013–6

Comparative evaluation of different enzyme-linked immunosorbent assay systems for the detection of staphylococcal enterotoxins A, B, C, and D. Fey H, et al. **J Clin Microbiol** 1984 Jan;19(1):34–8

[Detection of staphylococcal enterotoxin by latex agglutination inhibition test] Lee CL, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):77–80 (Eng. Abstr.) **(Chi)**

[Recent advances in the molecular mechanism of action of bacterial toxins, in particular of diphtheria, cholera, coli, botulinum and shigella toxins as well as tetanospasmin and the toxins of staphylococcus aureus] Kolb E. **Z Gesamte Inn Med** 1984 Mar 15;39(6):85–92 (Eng. Abstr.) **(Ger)**

[Phagocytosis of bacteria by polymorphonuclear leukocytes suspended in liquid or adhering to a surface] Pal'tsyn AA, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):102–4 (Eng. Abstr.) **(Rus)**

[Staphylococcal enterotoxins] Bugrova VI. **Vopr Pitan** 1983 Jul–Aug;(4):11–5 (61 ref.) **(Rus)**

[Isolation of staphylococcal enterotoxin type B and a study of its physicochemical, biological and immunological properties] Fluer FS. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):36–41 (Eng. Abstr.) **(Rus)**

ANALYSIS

Chemical composition and structure of cell wall teichoic acids of staphylococci. Endl J, et al. **Arch Microbiol** 1983 Sep;135(3):215–23

Improvement in the lipid extraction of staphylococcal cells by lysostaphin treatment. Rizzo AF, et al. **Biochim Biophys Acta** 1984 Mar 7;792(3):367–70

The triterpenoid carotenoids and related terpenoids in Staphylococcus aureus 209P. Taylor RF, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):892–905

Latex agglutination test to identify coagulase, clumping factor and protein A produced by staphylococci. Wang D, et al. **Clin Invest Med** 1983;6(4):301–4

Clumping factor defective methicillin-resistant Staphylococcus aureus [letter] Lally R, et al. **Eur J Clin Microbiol** 1984 Apr;3(2):151–2

Specific immunoglobulin A antibodies to a peptide subunit sequence of bacterial cell wall peptidoglycan. Franken N, et al. **Infect Immun** 1984 Apr;44(1):182–7

Purification and characterization of Staphylococcus aureus FRI 1169 and 587 toxic shock syndrome exotoxins. Igarashi H, et al. **Infect Immun** 1984 Apr;44(1):175–81

Monoclonal antibodies to staphylococcal enterotoxins B and C: cross-reactivity and localization of epitopes on tryptic fragments. Thompson NE, et al. **Infect Immun** 1984 Jul; 45(1):281–5

Toxic shock syndrome: modification and comparison of methods for detecting marker proteins in Staphylococcus aureus. Cohen ML, et al. **J Clin Microbiol** 1983 Aug; 18(2):372–5

Characterization of ribosomal proteins from Staphylococcus and Micrococcus by two-dimensional gel electrophoresis. Dekio S, et al. **J Dermatol (Tokyo)** 1983 Jun;10(3):267–74

Preliminary crystallographic data for exfoliative toxin B from Staphylococcus aureus. Moras D, et al. **J Mol Biol** 1984 May 5;175(1):89–91

New possibilities of staphylococcin detection in the exfoliatin-producing strains of staphylococcus aureus. Skalka B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar;254(1):34–41

[Relationship among enterotoxin, coagulase and thermonuclease produced by Staphylococcus aureus] Liu HD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan; 18(1):5–6 (Eng. Abstr.) **(Chi)**

[Identification of staphylococcal enterotoxins] Franzin L, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec; 75(7–12):273–88 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Comparison of four methods for differentiation of Staphylococcus aureus from other Micrococcaceae in the routine laboratory. Dibb WL, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):307–10

Predominance of two newly described capsular polysaccharide types among clinical isolates of Staphylococcus aureus. Arbeit RD, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):85–91

Comparison of phage typing, plasmid mapping, and antibiotic resistance patterns as epidemiologic markers in a nosocomial outbreak of methicillin-resistant Staphylococcus aureus infections. Collins JK, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):233–45

A simplified system for biotyping Staphylococcus aureus strains isolated from animal species. Devriese LA. **J Appl Bacteriol** 1984 Apr;56(2):215–20

Comparison of rapid identification assays for Staphylococcus aureus. Aldridge KE, et al. **J Clin Microbiol** 1984 May; 19(5):703–4

Species distribution of coagulase-positive staphylococci in animals. Biberstein EL, et al. **J Clin Microbiol** 1984 May; 19(5):610–5

Comparison of two commercially available test methods with conventional coagulase tests for identification of Staphylococcus aureus. Jungkind DL, et al. **J Clin Microbiol** 1984 Feb;19(2):191–3

Enterotoxin production, phage typing and serotyping of Staphylococcus aureus strains isolated from clinical materials and food. Melconian AK, et al. **J Hyg (Lond)** 1983 Oct;91(2):235–42

Lysis by phage 42E as possible marker for Staphylococcus aureus strains likely to infect prosthetic materials [letter] Freeman R, et al. **Lancet** 1984 Aug 11;2(8398):343–4

Strain differentiation in methicillin-resistant Staphylococcus aureus. Vickery AM, et al. **Pathology** 1983 Jul;15(3):235–40

Reliability of thermonuclease production for the identification of human and animal Staphylococcus aureus. Adekeye JD. **Vet Microbiol** 1984 Jul;9(3):271–8

Biotypes, serotypes and phage types of caprine strains of Staphylococcus aureus. Adegoke GO, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):234–8

[Value of the study of fibrinogen affinity in the identification of Staphylococcus aureus. Results of a multicenter study] Carret G, et al. **Pathol Biol (Paris)** 1983 Sep;31(7):593–5 (Eng. Abstr.) **(Fre)**

[Studies on staphylococcal coagulase type and phage type isolated from pyodermas, especially impetigo contagiosa] Uragami K. **Nippon Hifuka Gakkai Zasshi** 1983 May; 93(6):613–27 **(Jpn)**

[Characteristics of staphylococci isolated from normal human skin] Ivanov NA, et al. **Vestn Dermatol Venerol** 1983 Nov; (11):68–71 (Eng. Abstr.) **(Rus)**

[Bacteriophage typing of Staphylococcus aureus strains isolated from nosocomial infections in the city of Córdoba (Argentina)] Pessat O, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):137–43 (Eng. Abstr.) **(Spa)**

[Phage typing of Staphylococcus aureus strains isolated from foods and patients with a clinical picture of food poisoning] Aguilar Benavidez S, et al. **Salud Publica Mex** 1983 Jul–Aug;25(4):419–21 (Eng. Abstr.) **(Spa)**

[Bacteriophage typing of Staphylococcus aureus in Turkey] Sevük N, et al. **Mikrobiyol Bul** 1983 Oct;17(4):267–9 (Eng. Abstr.) **(Tur)**

CYTOLOGY

Induction of L-phase variant from protoplast of Staphylococcus aureus. Makino T. **Microbiol Immunol** 1983;27(9):749–55

Encapsulation of Staphylococcus aureus isolated from bovine milk. Norcross NL, et al. **Vet Microbiol** 1983 Aug; 8(4):397–404

DRUG EFFECTS

Population analysis in strains of Staphylococcus aureus and Staphylococcus epidermidis. II. Cefuroxime and cefotaxime. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):425–9

Special topics in antimicrobial susceptibility testing: test accuracy against methicillin-resistant Staphylococcus aureus, pneumococci, and the sensitivity of beta-lactamase methods. Jones RN, et al. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):609–14

Contemporary quality control practices for antimicrobial susceptibility tests: a report from the microbiology portion of the College of American Pathologists (CAP) surveys program. Jones RN, et al. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):622–5

Prevalence of Staphylococcus aureus, phage type 29/52/80, in Michigan. Martin R, et al. **Am J Public Health** 1984 Apr;74(4):366–7

Subinhibitory concentrations of imipenem induce increased resistance to methicillin and imipenem in vitro in methicillin-resistant Staphylococcus aureus. Forbes BA, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):491–3

Comparative analysis of conjugative plasmids mediating gentamicin resistance in Staphylococcus aureus. Goering RV, et al. **Antimicrob Agents Chemother** 1983 Sep; 24(3):450–2

Tolerance percentage as a criterion for the detection of tolerant Staphylococcus aureus strains. Goessens WH, et al. **Antimicrob Agents Chemother** 1984 May;25(5):575–8

Effect of N, N'-dicyclohexylcarbodiimide and nigericin on Staphylococcus aureus susceptibility to gentamicin. Mandel LJ, et al. **Antimicrob Agents Chemother** 1983 Sep; 24(3):440–2

Subinhibitory concentrations of antibiotics alter fibronectin binding to Staphylococcus aureus. Proctor RA, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):823–6

Heat injury in Staphylococcus aureus 196E: protection by metabolizable and non-metabolizable sugars and polyols. Smith JL, et al. **Appl Environ Microbiol** 1983 Dec; 46(6):1417–9

Reduced degradability by lysozyme of staphylococcal cell walls after chloramphenicol treatment. Reinicke B, et al. **Arch Microbiol** 1983 Aug;135(2):120–4

Rapid detection of methicillin-resistant staphylococci with the MS-2 system. Flournoy DJ, et al. **Can J Microbiol** 1984 Apr;30(4):488–90

Interaction between bile acids and staphylococcal polysaccharide: inhibition of capsule formation in encapsulated mutant strains (taurine+, taurine-) of Staphylococcus aureus. Ohtomo T. **Can J Microbiol** 1983 Dec;29(12):1653–60

Effects of fibronectin on the compact colony formation in staphylococci. Usui Y, et al. **Can J Microbiol** 1984 Mar; 30(3):419–22

Activity of eleven antimicrobial agents against methicillin-, methicillin- and rifampin-resistant Staphylococcus aureus. Chokkavelu V, et al. **Chemotherapy** 1984;30(2):97–101

Fosfomycin-induced protoplasts and L-forms of Staphylococcus aureus. Schmid EN. **Chemotherapy** 1984; 30(1):35–9

Gentamicin- and methicillin-resistant, clinical isolates of Staphylococcus aureus: comparative in vitro and in vivo efficacy of alternative antimicrobial drugs. Traub WH, et al. **Chemotherapy** 1984;30(2):102–12

The activity of cefotaxime and desacetylcefotaxime alone and in combination against anaerobes and staphylococci. Jones RN, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):37S–46S

Interaction of cefotaxime and desacetylcefotaxime against pathogenic bacteria. Assessment with the serum bactericidal test. Reller LB. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):55S–61S

Effect of azlocillin and piperacillin in subinhibitory and inhibitory concentrations on Staphylococcus aureus and Pseudomonas aeruginosa in broth, in serum and in the presence of human polymorphonuclear leukocytes. Bassler M, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):439–44

Pharmacokinetic and microbial susceptibility studies of ceftriaxone. Baumgartner JD, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):501–4

Susceptibility of gram-negative bacteria and Staphylococcus aureus to combinations of ticarcillin and clavulanic acid. Casey P, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):541–7

Beta-lactamases of five multiresistant Staphylococcus aureus. Ray B, et al. **Indian J Med Res** 1984 Jan;79:41–5

Comparative study of the serum bactericidal activity of cefoperazone alone and in combination with amikacin or mezlocillin against gram-negative bacilli and Staphylococcus aureus. Lagast H, et al. **Infection** 1984 May–Jun;12(3):190–3

Susceptibility and tolerance of beta-lactamase-producing, methicillin-sensitive strains of Staphylococcus aureus towards seven broad-spectrum penicillins. Wehrli R, et al. **Infection** 1983 Nov–Dec;11(6):322–5

Influence on oropharyngeal and nasal carriage of Staphylococcus aureus by dicloxacillin therapy in patients undergoing oral surgery. Köndell PA, et al. **Int J Oral Surg** 1984 Jun;13(3):206–10

A new naphthaquinone antibiotic from a new species of yeast. Flegel TW, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):325–9

MIC values do not predict the intraphagocytic killing of Staphylococcus aureus by naphthalenic ansamycins. Marshall VP, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1549–60

Resistance to macrolide antibiotics in Staphylococcus aureus susceptible to lincomycin and mikamycin B. Nakajima Y, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):675–9

Monitoring susceptibility patterns of Staphylococcus aureus in hospital infections: a guide for epidemiologically oriented chemotherapy [letter] **J Antimicrob Chemother** 1983 Sep; 12(3):289–90

In-vitro activity of aztreonam in combination with four other antibiotics against gram-negative bacilli and Staphylococcus aureus [letter] Ampel NM, et al. **J Antimicrob Chemother** 1984 Apr;13(4):398–9

Comparison of tube dilution and microtitre methods for the detection of antibiotic tolerance in strains of Staphylococcus aureus. Ampel NM, et al. **J Antimicrob Chemother** 1984 May;13(5):417–21

Effectiveness of cefamandole against methicillin-resistant strains of Staphylococcus aureus in vitro and in experimental infections. Hirschl A, et al. **J Antimicrob Chemother** 1984 May;13(5):429–35

Recovery period after exposure of Staphylococcus aureus to sub-inhibitory and bactericidal concentrations of rifampicin: clinical implications. Kitzis MD, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:1–5

In-vitro evaluation of miokamycin: bactericidal activity against streptococci. Lacey RW, et al. **J Antimicrob Chemother** 1984 Jan;13(1):5–13

Selective inhibition of enzyme synthesis by lincomycin in Staphylococcus aureus. Shibl AM. **J Antimicrob Chemother** 1984 Jun;13(6):625–7

Determination of susceptibility of Staphylococcus aureus to methicillin by luciferin-luciferase assay of bacterial adenosine triphosphate. McWalter PW. **J Appl Bacteriol** 1984 Feb;56(1):145–50

Low-affinity penicillin-binding protein associated with beta-lactam resistance in Staphylococcus aureus. Hartman BJ, et al. **J Bacteriol** 1984 May;158(2):513–6

Interlaboratory variation of antibiograms of methicillin-resistant and methicillin-susceptible Staphylococcus aureus strains with conventional and commercial testing systems. Aldridge KE, et al. **J Clin Microbiol** 1983 Nov;18(5):1226–36

Comparison of epidemiological markers used in the investigation of an outbreak of methicillin-resistant Staphylococcus aureus infections. Archer GL, et al. **J Clin Microbiol** 1983 Aug;18(2):395–9

Reevaluation of the ability of the standardized disk diffusion test to detect methicillin-resistant strains of Staphylococcus aureus. Boyce JM. **J Clin Microbiol** 1984 Jun;19(6):813–7

Unusual susceptibility of methicillin-resistant Staphylococcus aureus to erythromycin, clindamycin, gentamicin, and tetracycline at 30 degrees C but not at 35 degrees C. Welch WD, et al. **J Clin Microbiol** 1984 Jun;19(6):831–3

Evaluation of the automicrobic system for detection of resistance of Staphylococcus aureus to methicillin. Woolfrey BF, et al. **J Clin Microbiol** 1984 Apr;19(4):464–7

Comparison of disc diffusion and agar plate dilution method of antibiotic sensitivity test for Staphylococcus aureus strains. Ray K, et al. **J Commun Dis** 1983 Mar;15(1):20–5

Inhibition of mastitic bacteria by bovine milk apo-lactoferrin evaluated by in vitro microassay of bacterial growth. Nonnecke BJ, et al. **J Dairy Sci** 1984 Mar;67(3):606–13

The effect of membrane-bound beta-lactamase on linoleic acid sensitivity in Staphylococcus aureus. Greenway DL, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2457–65

Methicillin-resistant Staphylococcus aureus [editorial] **J Hosp Infect** 1983 Dec;4(4):327–9

Efficacy of transfer of antibiotic resistance determinants in Staphylococcus aureus strains in mixed culture of donor and recipient cells. Janošek J. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):223–8

Stability of aminoglycoside resistance in vitro in gentamicin-resistant Staphylococcus aureus. Dixson S, et al. **J Hyg (Lond)** 1984 Aug;93(1):43–9

Impact of methicillin-resistant Staphylococcus aureus on the incidence of nosocomial staphylococcal infections. Boyce JM, et al. **J Infect Dis** 1983 Oct;148(4):763

Endocarditis due to methicillin-resistant Staphylococcus aureus in rabbits: expression of resistance to beta-lactam antibiotics in vivo and in vitro. Chambers HF, et al. **J Infect Dis** 1984 Jun;149(6):894–903

Laboratory tests for defining bactericidal activity as predictors of antibiotic efficacy in the treatment of endocarditis due to Staphylococcus aureus in rabbits. Fass RJ. **J Infect Dis** 1984 Jun;149(6):904–12

Influence of bacterial-antibiotic interactions on subsequent antimicrobial activity of alveolar macrophages. Hand WL, et al. **J Infect Dis** 1984 Feb;149(2):271–6

Clindamycin-induced suppression of toxic-shock syndrome--associated exotoxin production. Schlievert PM, et al. **J Infect Dis** 1984 Mar;149(3):471

Antibiotic susceptibilities and plasmid profiles of nosocomial methicillin-resistant Staphylococcus aureus: a retrospective study. Gillespie MT, et al. **J Med Microbiol** 1984 Jun; 17(3):295–310

Molecular epidemiology of multiresistant Staphylococcus aureus in Australian hospitals. Lyon BR, et al. **J Med Microbiol** 1984 Feb;17(1):79–89

In vitro activity of netilmicin. Hussain Qadri SM, et al. **J Okla State Med Assoc** 1984 Jul;77(7):198–201

Correlation of antibiogram, phage typing and penicillinase production of Staphylococcus aureus isolated from clinical material. Sunderrajan P, et al. **J Postgrad Med** 1984 Jan; 30(1):33–7

Nasal carriage and antibiotic susceptibility of Staphylococcus aureus in general practice. Gillett AP, et al. **J R Coll Gen Pract** 1984 May;34(262):255–7

Methicillin-resistant Staphylococcus aureus [letter] Annear DI. **Med J Aust** 1984 Feb 18;140(4):244–5

Comparison of the clinical significance of methicillin-resistant and methicillin-sensitive Staphylococcus aureus isolations. Collopy BT, et al. **Med J Aust** 1984 Feb 18;140(4):211–4

MRSA in a geriatric ward [letter] Kostos P, et al. **Med J Aust** 1984 Apr 14;140(8):509

Plasmid-mediated resistance to quaternary ammonium compounds in methicillin-resistant Staphylococcus aureus [letter] Townsend DE, et al. **Med J Aust** 1983 Oct 1; 2(7):310

Antimicrobial drug susceptibility of Staphylococcus aureus strains isolated from bovine milk. Franklin A, et al. **Nord Vet Med** 1983 Dec;35(12):460–4

Antibiotic resistance among Staphylococcus aureus in New Zealand [letter] Heffernan HM, et al. **NZ Med J** 1984 Jun 27;97(758):418–9

Radiosensitization of Staphylococcus aureus by secobarbital sodium and other barbiturates. Sade N, et al. **Radiat Res** 1983 Oct;96(1):41–50

Integration of selected pharmacologic and microbiologic properties of three new beta-lactam antibiotics: a hypothesis for rational comparison. Drusano GL, et al. **Rev Infect Dis** 1984 May–Jun;6(3):357–63

Emergence of rifampin-resistant strains of Staphylococcus aureus during combination therapy with vancomycin and rifampin: a report of two cases. Simon GL, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S507–8

In vitro study of the combination of rifampin with oxacillin against Staphylococcus aureus. Van der Auwera P, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S509–14

Sternal and costochondral infections with gentamicin and methicillin resistant Staphylococcus aureus following thoracic surgery. Cafferkey MT, et al. **Scand J Infect Dis** 1983;15(3):267–70

Antimicrobial resistance in clinical isolates of Staphylococcus aureus at the University Hospital of the West Indies. Bodonaik NC, et al. **West Indian Med J** 1984 Mar; 33(1):8–13

[Effect of heavy metals and pesticides on the antigenic behavior of mastitis staphylococci isolated from cows and sheep] Karadzhov Ia, et al. **Vet Med Nauki** 1983;20(8):81–4 (Eng. Abstr.) **(Bul)**

[In vitro synergy between sulfamethoxazole and trimethoprim on strains of Staphylococcus aureus sensitive and resistant to methicillin] Bismuth R, et al. **Pathol Biol (Paris)** 1983 May;31(5):429–33 (Eng. Abstr.) **(Fre)**

[Resistance to pristinamycin (or virginiamycin) of strains of Staphylococcus aureus] El Solh N, et al. **Pathol Biol (Paris)** 1984 May;32(5):362–8 (Eng. Abstr.) **(Fre)**

[Selection of mutant rifampin-resistant Staphylococcus aureus during the therapeutic use of this antibiotic in combinations. 3 cases] Dellamonica P, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3087–8 (Eng. Abstr.) **(Fre)**

[In-vitro activity of clindamycin and lincomycin in the presence of Staphylococcus aureus] Wiedemann B. **Fortschr Med** 1984 Jun 7;102(21):603–4 **(Ger)**

[Correlation between the antimicrobial activity of quaternary ammonium salts of heptacaine against Staphylococcus aureus and the extraction constant of ion pairs] Cižmárik J, et al. **Pharmazie** 1983 Nov;38(11):789–90 **(Ger)**

[Resistance patterns of bovine mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Mar;126(3):121–7 (Eng. Abstr.) **(Ger)**

[Changes in the resistance behavior of Staphylococcus aureus to penicillin and tetracycline under the direct effect of antimicrobial chemotherapy] Schulz S, et al. **Z Gesamte Hyg** 1984 May;30(5):275–8 (Eng. Abstr.) **(Ger)**

[Comparison of the antibiotic resistance of S. aureus strains isolated from humans and industrially bred animals] Witte W, et al. **Z Gesamte Hyg** 1983 Jul;29(7):384–7 (Eng. Abstr.) **(Ger)**

[Sensitivity of bacteria exposed to subinhibitory concentrations of antibiotics to the action of serum and liver phagocytes] Perna P, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1683–6 (Eng. Abstr.) **(Ita)**

[Comparison of the in vitro activity of cephalothin and cefamandole on methillicin-resistant strains of Staphylococcus aureus and epidermidis] Bianchi P, et al. **Clin Ter** 1984 Feb 29;108(4):283–9 (Eng. Abstr.) **(Ita)**

[Chemotherapeutic activity of newly synthesized N-aminoimidazoles and N-arylidene-aminoimidazoles. Preliminary note] Cocco MT, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):33–6 **(Ita)**

[Evaluation of the bactericidal activity of the combination of fosfomycin with other antibiotics by 2 different methods (checkboard and bactericidal curves)] Gialdroni Grassi G, et al. **G Ital Chemioter** 1983 May–Dec;30(2–3):77–84 **(Ita)**

[Clinical trials of cefmetazole for pneumonia and pyothorax caused by Staphylococcus aureus resistant to cefazolin] Motohiro T, et al. **Jpn J Antibiot** 1984 Jan;37(1):88–96 (Eng. Abstr.) **(Jpn)**

[Evaluation of in vitro antibacterial potencies of oral antibiotics against sputum isolates] Yamada H, et al. **Jpn J Antibiot** 1983 Aug;36(8):2103–8 (Eng. Abstr.) **(Jpn)**

[Drug resistance of bacteria--the current status and future prospect. 2. Staphylococcus] Hashimoto H, et al. **Nippon Rinsho** 1984 Mar;42(3):658–63 **(Jpn)**

[Preliminary evaluation of the sensitivity of selected bacteria to amoxicillin and augmentin in comparison with other antibiotics used to date] Ruczkowska J, et al. **Przegl Lek** 1984;41(4):321–4 (Eng. Abstr.) **(Pol)**

[Drug resistance of pathogenic Staphylococcus in the hospital environment and in the general population, as an indicator of the negative implications of modern etiological therapy] Teodorovici G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):67–9 (Eng. Abstr.) **(Rum)**

[Effect of antibiotic AL–87 on the fatty acid composition of microorganisms in different taxonomic groups] Churkina LN, et al. **Antibiotiki** 1983 Jul;28(7):489–94 (Eng. Abstr.) **(Rus)**

[Interrelation of the antibiotic sensitivity (resistance) of staphylococci, clinical forms of the infection and production of protein A] Fomenko GA. **Antibiotiki** 1984 Jun;29(6):421–7 (Eng. Abstr.) **(Rus)**

[Comparative sensitivity of the main causative agents of suppurative infection to antibacterial preparations and their combinations] Makarenkova RV, et al. **Antibiotiki** 1983 Dec;28(12):908–11 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of variant Staphylococcus aureus 209 P resistant to antibiotic AL–87] Smirnov VV, et al. **Antibiotiki** 1984 Mar;29(3):201–5 (Eng. Abstr.) **(Rus)**

[Standardization of methods of determining microbial sensitivity to antibiotics] Chaikovskaia SM, et al. **Lab Delo** 1984;(5):299–302 **(Rus)**

[Interlaboratory quality control of the agar diffusion test for determining sensitivity of microorganisms to antibiotics] Garanina EN, et al. **Lab Delo** 1984;(1):43–6 (Eng. Abstr.) **(Rus)**

[Action of dioxidine on the membrane apparatus of the bacterial cell] Rudzit EA, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):603–9 (Eng. Abstr.) **(Rus)**

[Model UF–2 mutant of Staphylococcus aureus 209 P for titrating Vibrio cholera enterotoxin] Pasternak NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):55–9 (Eng. Abstr.) **(Rus)**

[Mechanisms of the bactericidal action of hydrogen peroxide] Samollenko II, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):30–3 (Eng. Abstr.) **(Rus)**

[Staphylocidal activity of Stanicide–fusidinic acid in vitro and its use in the therapy of the nasal staphylococcal carrier state by local administration] Božović M, et al. **Med Pregl** 1983;36(5–6):205–6 (Eng. Abstr.) **(Scr)**

[Efficacy of cefmetazole against ampicillin–resistant enterobacteria and Staphylococcus aureus] Foz A, et al. **Med Clin (Barc)** 1983 Sep 17;81(7):283–7 (Eng. Abstr.) **(Spa)**

[Antibiotic sensitivity of Staphylococcus aureus strains isolated from different animal species] Rojas X, et al. **Zentralbl Veterinarmed [B]** 1983 Jul;30(6):408–14 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Recognition of coagulase–negative Staphylococcus aureus strains by primary polymyxin susceptibility testing. Heltberg O, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):115–8

Importance of extracellular and cell–bound beta–lactamase in mediating resistance of Staphylococcus aureus to mezlocillin. Haller I. **Antimicrob Agents Chemother** 1984 Jan;25(1):125–7

Purification and characterization of aminoglycoside–modifying enzymes from Staphylococcus aureus and Staphylococcus epidermidis. Ubukata K, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):754–9

Identification by n.m.r. spectroscopy of a stable intermediate structure in the unfolding of staphylococcal beta–lactamase. Thomas RM, et al. **Biochem J** 1983 Dec 1;215(3):525–9

Active site mapping of the serine proteases human leukocyte elastase, cathepsin G, porcine pancreatic elastase, rat mast cell proteases I and II. Bovine chymotrypsin A alpha, and Staphylococcus aureus protease V–8 using tripeptide thiobenzyl ester substrates. Harper JW, et al. **Biochemistry** 1984 Jun 19;23(13):2995–3002

The reversible deactivation of beta–lactamase from Staphylococcus aureus by quinacillin and cephaloridine and its modification by antibodies. Carrey EA, et al. **Biochim Biophys Acta** 1984 Mar 29;785(3):104–10

Purification and some properties of the staphylococcal extracellular lipase. Tyski S, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):312–7

Evaluation of latex agglutination tests for establishing coagulase status of staphylococci from milk. Jasper DE, et al. **Can J Comp Med** 1984 Apr;48(2):223–4

In vivo protection of penicillin–susceptible Bacteroides melaninogenicus from penicillin by facultative bacteria which produce beta–lactamase. Brook I, et al. **Can J Microbiol** 1984 Jan;30(1):98–104

Production of penicillinases by certain penicillin–resistant bacteria. (C) factors affecting the activities of penicillinases produced by Staphylococcus aureus, S9. Elwan SH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):300–6

Rate of isolation of Staphylococcus aureus strains possessing coagulase or clumping factor. Barrett SP. **Eur J Clin Microbiol** 1983 Oct;2(5):475–6

The chromosomal 3',5'–aminoglycoside phosphotransferase in Streptococcus pneumoniae is closely related to its plasmid–coded homologs in Streptococcus faecalis and Staphylococcus aureus. Collatz E, et al. **J Bacteriol** 1983 Dec;156(3):1373–7

Staphylococcus aureus and Micrococcus luteus peptidoglycan transglycosylases that are not penicillin–binding proteins. Park W, et al. **J Bacteriol** 1984 Feb;157(2):538–44

Pre–steady state beta–lactamase kinetics. The trapping of a covalent intermediate and the interpretation of pH rate profiles. Anderson EG, et al. **J Biol Chem** 1983 Nov 10; 258(21):13120–6

Separation and characterization of two isolated lipases from Staphylococcus aureus (TEN5). Kötting J, et al. **J Chromatogr** 1983 Dec 23;281:253–61

Two coagulase–variant forms of Staphylococcus aureus isolated from blood cultures. Fung JC, et al. **J Clin Microbiol** 1984 Jul;20(1):115–7

Isolation and virulence of a caseinase– and bound coagulase–deficient mutant of Staphylococcus aureus BB. Hasegawa N, et al. **J Infect Dis** 1984 Apr;149(4):538–43

Correlation of penicillinase production with phage type and susceptibility to antibiotics and heavy metals in Staphylococcus aureus. Rosdahl VT, et al. **J Med Microbiol** 1983 Nov;16(4):391–9

Penicillinase secretion in vivo and in vitro. Nielsen JB. **Methods Enzymol** 1983;97:153–8

Nucleotide sequence of the staphylokinase gene from Staphylococcus aureus. Sako T, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7679–93

Mechanism of coagulase production in Staphylococcus aureus Smith. Dekio S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):146–52

Staphylococcal lipase: intracellular enzyme production. Tyski S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):162–7

[Effect of Staphylococcus aureus lipase on granulocyte chemotaxis] Tylewska S, et al. **Med Dosw Mikrobiol** 1983; 35(3–4):171–4 (Eng. Abstr.) **(Pol)**

[Production of penicillinase by staphylococcal strains of different origins] Ivanov NA, et al. **Antibiotiki** 1983 Nov; 28(11):823–6 (Eng. Abstr.) **(Rus)**

[Titration of Vibrio cholerae enterotoxin on the model of Staphylococcus aureus 209 p. UV–2 mutant] Pasternak NA, et al. **Lab Delo** 1983;(9):52–3 (Eng. Abstr.) **(Rus)**

[Isolation and properties of an extracellular proteinase of Staphylococcus aureus] Beliaeva EV, et al. **Prikl Biokhim Mikrobiol** 1984 May–Jun;20(3):363–8 (Eng. Abstr.) **(Rus)**

[Economic method of determining DNAse in staphylococci] Dzhavrova IK. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):116–7 **(Rus)**

[Neuraminidase activity of staphylococci] Ternovskaia LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr; (4):30–2 (Eng. Abstr.) **(Rus)**

[The enzyme penicillinase and plasmid penicillinase in Staphylococcus aureus strains] Cerikçioğlu N, et al. **Mikrobiyol Bul** 1984 Jan;18(1):15–22 (Eng. Abstr.) **(Tur)**

GENETICS

Naturally occurring drug resistance plasmids in hospital strains of Staphylococcus aureus. Młynarczyk G, et al. **Acta Microbiol Pol** 1983;32(3):245–56

Incompatibility properties of a cointegrate plasmid in Staphylococcus aureus. Iordănescu S, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):305–11

Transitory recombination between plasmid pHV33 and phage M13. Dagert M, et al. **EMBO J** 1983;2(12):2117–22

Constitutive variants of the pC194 cat gene exhibit DNA alterations in the vicinity of the ribosome binding site sequence. Ambulos NP Jr, et al. **Gene** 1984 May;28(2):171–6

Mutagenesis of extrachromosomal genetic determinants for exfoliative toxin B and bacteriocin R1 synthesis in Staphylococcus aureus after plasmid transfer by protoplast fusion. Masterson R, et al. **Infect Immun** 1983 Dec; 42(3):973–9

Analysis of plasmids mediating gentamicin resistance in methicillin–resistant Staphylococcus aureus. Townsend DE, et al. **J Antimicrob Chemother** 1984 Apr;13(4):347–52

Plasmid profiles of Staphylococcus aureus causing bovine mastitis. Baumgartner A, et al. **J Appl Bacteriol** 1984 Feb; 56(1):159–63

Secondary structure and phylogeny of Staphylococcus and Micrococcus 5S rRNAs. Dekio S, et al. **J Bacteriol** 1984 Jul;159(1):233–7

Autogenous transduction of phi 11de in Staphylococcus aureus: transfer and genetic properties. Dyer DW, et al. **J Bacteriol** 1984 May;158(2):689–95

Use of chromosomal integration in the establishment and expression of blaZ, a Staphylococcus aureus beta–lactamase gene, in Bacillus subtilis. Saunders CW, et al. **J Bacteriol** 1984 Mar;157(3):718–26

Transduction analysis of transposon Tn551 insertions in the trp–thy region of the Staphylococcus aureus chromosome. Schroeder CJ, et al. **J Bacteriol** 1984 Feb;157(2):533–7

Transport and processing of staphylococcal alpha–toxin. Tweten RK, et al. **J Bacteriol** 1983 Nov;156(2):524–8

Expression of the gene encoding protein A in Staphylococcus aureus and coagulase–negative staphylococci. Uhlén M, et al. **J Bacteriol** 1984 Aug;159(2):713–9

Complete sequence of the staphylococcal gene encoding protein A. A gene evolved through multiple duplications. Uhlén M, et al. **J Biol Chem** 1984 Feb 10;259(3):1695–702

Molecular organization of the protein A gene and its expression in recombinant host organisms. Colbert D, et al. **J Biol Response Mod** 1984;3(3):255–9

Plasmid replication in a temperature–sensitive chromosome replication mutant of Staphylococcus aureus. Summers DK, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2251–6

Genetics of drug resistance in methicillin–resistant Staphylococcus aureus from Australian hospitals. Townsend DE, et al. **J Hosp Infect** 1983 Dec;4(4):331–7

Occurrence of a nonplasmid–located determinant for gentamicin resistance in strains of Staphylococcus aureus. Witte W, et al. **J Hyg (Lond)** 1984 Aug;93(1):1–8

Rapid microprocedure for extraction of plasmid DNA from Staphylococcus aureus. Dunkle LM, et al. **J Infect Dis** 1984 Jun;149(6):921–3

Plasmids of phage–Group–II Staphylococcus aureus. Dyke KG, et al. **J Med Microbiol** 1984 Jun;17(3):325–34

Isolation and complementation of temperature–sensitive replication mutants of Staphylococcus aureus plasmid pC194. Iordanescu S, et al. **MGG** 1983;191(2):201–6

Tn4001: a gentamicin and kanamycin resistance transposon in Staphylococcus aureus. Lyon BR, et al. **MGG** 1984; 193(3):554–6

An efficient method for the isolation of a mutant with an extremely low producibility of coagulase from a Staphylococcus aureus strain. Masuda S. **Microbiol Immunol** 1983;27(9):801–5

Staphylococcus aureus chromosomal mutation specifically affecting the copy number of Inc3 plasmids. Iordanescu S. **Plasmid** 1983 Sep;10(2):130–7

Complete nucleotide sequence of pT181, a tetracycline–resistance plasmid from Staphylococcus aureus. Khan SA, et al. **Plasmid** 1983 Nov;10(3):251–9

Inhibition of Tn554 transposition: deletion analysis. Murphy E. **Plasmid** 1983 Nov;10(3):260–9

The 'erythromycin–resistance' methylated sequence of Staphylococcus aureus ribosomal RNA. Ranzini AC, et al. **Plasmid** 1983 Nov;10(3):293–5

Staphylococcal enterotoxin A gene is associated with a variable genetic element. Betley MJ, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5179–83

[Effect of mutagenic factors and transducing phages on the changes in serological properties and sensitivity to bacteriophages in Staphylococcus aureus] Karczewska E, et al. **Med Dosw Mikrobiol** 1983;35(2):107–13 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

The influence of somatic cells of milk on the growth of staphylococci and streptococci in whey and serum. Bassalik–Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(4):389–95

Growth inhibition of staphylococci and streptococci in raw milk. Bassalik–Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(3):305–10

Growth of staphylococci and streptococci in raw milk. Bassalik–Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(3):297–303

The susceptibility of bovine udder quarters colonized with Corynebacterium bovis to experimental infection with Staphylococcus aureus or Streptococcus agalactiae. Brooks BW, et al. **Can J Comp Med** 1984 Apr;48(2):146–50

Evaluation of a pour–plate system with a rabbit plasma–bovine fibrinogen agar for the enumeration of Staphylococcus aureus in food. Beckers HJ, et al. **Can J Microbiol** 1984 Apr;30(4):470–4

The role of lipoteichoic acid biosynthesis in membrane lipid metabolism of growing Staphylococcus aureus. Koch HU, et al. **Eur J Biochem** 1984 Jan 16;138(2):357–63

Ability of a Staphylococcus aureus isolate from a chronic osteomyelitic lesion to survive in the absence of air [letter] Coleman G, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):595–7

Inhibition of cell–free oxidative bactericidal activity by erythrocytes and hemoglobin. Hand WL. **Infect Immun** 1984 May;44(2):465–8

Bacterial adherence and glycocalyx formation in osteomyelitis experimentally induced with Staphylococcus aureus. Mayberry–Carson KJ, et al. **Infect Immun** 1984 Mar;43(3):825–33

Hazard analysis applied to microbial growth in foods: development of mathematical models describing the effect of water activity. Broughall JM, et al. **J Appl Bacteriol** 1983 Aug;55(1):101–10

The protective effect of some food ingredients on Staphylococcus aureus MF31. Hurst A, et al. **J Appl Bacteriol** 1983 Aug;55(1):81–8

Inhibition of growth of Staphylococcus aureus on sensitivity testing agar by Streptococcus faecalis var zymogenes [letter] Barr JG, et al. **J Clin Pathol** 1984 Feb;37(2):228–9

Effect of serum albumin on growth of Staphylococcus aureus in synthetic tissue culture medium. Dekio S, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):505–8

Incidence and properties of Staphylococcus aureus associated with turkeys during processing and further–processing operations. Adams BW, et al. **J Hyg (Lond)** 1983 Dec; 91(3):479–90

Studies on the growth and survival of Staphylococcus aureus in corned beef. Mansfield JM, et al. **J Hyg (Lond)** 1983 Dec;91(3):467–78

Spread of a toxic-shock syndrome-associated strain of Staphylococcus aureus and measurement of antibodies to staphylococcal enterotoxin F. Arnow PM, et al. **J Infect Dis** 1984 Jan;149(1):103–7

Vaginal colonization with Staphylococcus aureus, positive for toxic-shock marker protein, and Escherichia coli in healthy women. Chow AW, et al. **J Infect Dis** 1984 Jul; 150(1):80–4

Oxygen-derived radicals in bacteriostasis of bovine milk. Mattila T, et al. **Med Biol** 1984;62(2):85–7

Colony-formation of staphylococci in fibronectin-soft-agar. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May;257(1):1–5

[Effect of heating beef at 55 degrees C on the growth of Clostridium perfringens and Staphylococcus aureus] Labadie J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan;178(5–6):542–50 (Eng. Abstr.) **(Fre)**

[Bacteriostatic effects of aqueous solutions of cocaine and tetracaine] Szczypiński J, et al. **Klin Oczna** 1983 Oct; 85(10):341–2 (Eng. Abstr.) **(Pol)**

[Antagonism between hospital strains of Staphylococcus aureus and lactic acid bacteria in vitro and the use of the latter as a sanitary agent] Ambartsumian AD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

[Fate of indigenous Staphylococcus aureus and artificially inoculated Salmonella in the processing and storage of non-pasteurized fresh cheese. II. Influence of pH, associated flora and the original inocula of the pathogens] Fernández Escartín E, et al. **Rev Latinoam Microbiol** 1983 Apr–Jun;25(2):79–86 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Enclosure of bacteria within capillary multifilament sutures as protection against leukocytes. Osterberg B. **Acta Chir Scand** 1983;149(7):663–8

The survival of Staphylococcus aureus in raw milk with different cell count. Bassalik-Chabielska L, et al. **Acta Microbiol Pol** 1983;32(4):398–404

Solid-phase radioimmunoassay of immunoglobulin G antibodies to Staphylococcus aureus peptidoglycan in patients with staphylococcal infections. Christensson B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):401–6

Staphylococcus aureus peptidoglycan studied by electron microscopy of immunoperoxidase-treated sections of cell walls. Solsvik E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):7–12

The effect of serum opsonins on the phagocytosis of Staphylococcus aureus and zymosan particles, measured by flow cytometry. Bassøe CF, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):51–8

Phagocytosis of Staphylococcus aureus by human leukocytes: quantitation by a flow cytometric and a microbiological method. Bassøe CF, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):43–50

Induction of immunoglobulin secretion in cultured human lymphocytes by 4 Staphylococcus aureus strains and their extracts. Effersøe H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Apr; 92(2):121–8

Effect of sodium benzoate on polymorphonuclear leukocyte function. Johansen KS, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):361–5

Determination of phagocytosis of 32P-labeled Staphylococcus aureus by bovine polymorphonuclear leukocytes. Dulin AM, et al. **Am J Vet Res** 1984 Apr; 45(4):786–9

Effects of selenium-vitamin E injection on bovine polymorphonucleated leukocytes phagocytosis and killing of Staphylococcus aureus. Gyang EO, et al. **Am J Vet Res** 1984 Jan;45(1):175–7

Rat lung lavage surfactant enhances bacterial phagocytosis and intracellular killing by alveolar macrophages. O'Neill S, et al. **Am Rev Respir Dis** 1984 Aug;130(2):225–30

The fifth component of complement is not required for the clearance of Staphylococcus aureus. Toews GB, et al. **Am Rev Respir Dis** 1984 Apr;129(4):597–601

Clindamycin enhances opsonization of Staphylococcus aureus. Milatovic D, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):413–7

Development of a monoclonal antibody capable of interacting with five serotypes of Staphylococcus aureus enterotoxin. Meyer RF, et al. **Appl Environ Microbiol** 1984 Feb;47(2):283–7

Guidelines for the use of the teichoic acid antibody assay [editorial] Sheagren JN. **Arch Intern Med** 1984 Feb; 144(2):250–2

Coagglutination of Staphylococcus aureus with enterobacterial common antigen. Carrillo J, et al. **Arch Invest Med (Mex)** 1983;14(3):221–30 **(Eng, Spa)**

Occurrence of phlyctenules after immunization with ribitol teichoic acid of Staphylococcus aureus. Mondino BJ, et al. **Arch Ophthalmol** 1984 Mar;102(3):461–3

Further studies on the variation among cows, bulls and calves in the ability of their blood polymorphonuclear leucocytes to kill Staphylococcus aureus. Williams MR, et al. **Br Vet J** 1984 May–Jun;140(3):307–13

Spontaneous and pokeweed mitogen-induced in vitro IgG production specific for S. aureus cell wall determinants in man. Hauser C, et al. **Clin Exp Immunol** 1984 Jul; 57(1):227–33

Cord blood B cell differentiation. Synergistic effect of pokeweed mitogen and Staphylococcus aureus on in vitro differentiation of B cells from human neonates. Miller KM, et al. **Clin Exp Immunol** 1984 May;56(2):415–24

Human tonsil B lymphocyte function. I. The proliferative response to Staphylococcus aureus and pokeweed mitogen in relation to surface heavy chains mu and delta. Mudde GC, et al. **Clin Exp Immunol** 1984 Jun;56(3):709–15

Staphylococcus aureus latex agglutination (Lat-SA) test for the diagnosis of S. aureus infection. Wang D, et al. **Clin Invest Med** 1983;6(4):293–9

B cell activation in chickens induced by Staphylococcus aureus. Schoof DD, et al. **Dev Comp Immunol** 1984 Spring; 8(2):403–14

Opsonic activity of fibronectin in the phagocytosis of Staphylococcus aureus by polymorphonuclear leukocytes. Eriksen HO, et al. **Eur J Clin Microbiol** 1984 Apr; 3(2):108–12

Alteration of capsular type of encapsulated strains of Staphylococcus aureus during freeze-drying and storage. Yoshida K, et al. **Experientia** 1984 Jan 15;40(1):93–4

Aggregation of human polymorphonuclear leucocytes during phagocytosis of bacteria. Henricks PA, et al. **Immunology** 1984 Aug;52(4):671–8

Interaction between human polymorphonuclear leucocytes and Staphylococcus aureus in the presence and absence of opsonins. Vandenbroucke-Grauls CM, et al. **Immunology** 1984 Jul;52(3):427–35

Staphylococcus aureus can substitute double antibody in radio-immunoassay of LHRH. Singh AK, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):327–30

Acid labile type alpha interferon induction by formalinized Staphylococcus aureus (Cowan I) in human mononuclear leukocytes. Gore MM, et al. **Indian J Med Res** 1983 Jun; 77:770–6

Purification and characterization of Staphylococcus aureus type 8 capsular polysaccharide. Fournier JM, et al. **Infect Immun** 1984 Jul;45(1):87–93

Identification, purification, and some physicochemical properties of staphylococcal enterotoxin C3. Reiser RF, et al. **Infect Immun** 1984 Sep;45(3):625–30

In vivo effect of staphylococcal enterotoxin A on peripheral blood lymphocytes. Zehavi-Willner T, et al. **Infect Immun** 1984 May;44(2):401–5

Effects of subinhibitory concentrations of antibiotics on Staphylococcus aureus interactions with fibronectin. Proctor RA, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:85–95

Perfusion of plasma over Staphylococcus aureus: release of bacterial products is related to regression of tumor. Gordon BR, et al. **J Biol Response Mod** 1984;3(3):266–70

Clinical experiences with extracorporeal immunoperfusion of plasma from cancer patients. Korec S, et al. **J Biol Response Mod** 1984;3(3):330–5

Clinical trials with Staphylococcus aureus and protein A in the treatment of malignant disease. Messerschmidt GL, et al. **J Biol Response Mod** 1984;3(3):325–9

Adsorption of plasma from tumor-bearing hosts over protein A—containing nonviable Staphylococcus aureus Cowan I: possible mechanism of antitumor reactions. Ray PK, et al. **J Biol Response Mod** 1984;3(3):293–302

Detection of antibody to staphylococcal lipoteichoic acid with a microenzyme-linked immunosorbent assay. Carruthers MM, et al. **J Clin Microbiol** 1984 Apr; 19(4):552–4

Impaired response of lymphocytes from non-insulin-dependent diabetics to staphage lysate and tetanus antigen. Casey J, et al. **J Clin Microbiol** 1982 Jan; 15(1):109–14

Methodological aspects of Staphylococcus aureus peptidoglycan serology: comparisons between solid-phase radioimmunoassay and enzyme-linked immunosorbent assay. Christensson B, et al. **J Clin Microbiol** 1984 May; 19(5):680–6

Comparison of a new enzyme-linked immunosorbent assay method with counterimmunoelectrophoresis for detection of teichoic acid antibodies in sera from patients with Staphylococcus aureus infections. Herzog C, et al. **J Clin Microbiol** 1984 Apr;19(4):511–5

Immunochemical studies of Staphylococcus aureus Oeding-Haukenes antigen a5: a phosphorus-containing polysaccharide. Ndulue AN, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3603–10

Phagocytosis by polymorphonuclear leukocytes of Staphylococcus aureus and Pseudomonas aeruginosa adherent to plastic, agar, or glass. Lee DA, et al. **J Immunol Methods** 1983 Sep 30;63(1):103–14

Bacteria-immune system interactions. IX. Modulation of human and murine cytotoxic reactions by crude lipoteichoic acid extracted from Staphylococcus aureus. Whigham EA, et al. **J Immunopharmacol** 1983;5(1–2):77–91

Activation of purified human plasma prekallikrein triggered by cell wall fractions of Escherichia coli and Staphylococcus aureus. Kalter ES, et al. **J Infect Dis** 1983 Oct;148(4):682–91

Serology of Staphylococcus aureus infections using multiple antigens and serial serum samples. Verbrugh HA, et al. **J Infect Dis** 1983 Sep;148(3):608

Prevalence of serum antibody to staphylococcal enterotoxin F among Wisconsin residents: implications for toxic-shock syndrome. Vergeront JM, et al. **J Infect Dis** 1983 Oct; 148(4):692–8

Allogenic modification of rat sarcoma cells in vitro by staphylococcal exotoxin. Hlavayová E, et al. **Neoplasma** 1983;30(6):667–80

Humoral and cellular immune responses to staphylococcal lipoteichoic acid in multiple sclerosis patients. Nyland H, et al. **Prog Brain Res** 1983;59:345–54

Immunization and immunity. Sears PM. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):391–8

[Demonstration of envelope-containing viruses by the agglutination of antibody-coated Staphylococcus aureus] Dumanova L, et al. **Vet Med Nauki** 1984;21(5):12–7 (Eng. Abstr.) **(Bul)**

[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal-staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**

[Chronic nonspecific osteomyelitis. Bacteriology and immunology of osteomyelitis] Halasa J. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):377–82 (Eng. Abstr.) **(Pol)**

[Relationship between phagocytosis and sensitization to bacterial allergens in patients with chronic bronchitis] Ermakova GL, et al. **Lab Delo** 1983;(9):50–2 (Eng. Abstr.) **(Rus)**

[Reactivity to Staphylococcus aureus peptidoglycan in a neutrophil phagocytosis system] Boiarinova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):49–53 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

An evaluation of three rapid coagglutination tests: Sero-STAT, Accu-Staph, and Staphyloslide, for differentiating Staphylococcus aureus from other species of staphylococci. Woolfrey BF, et al. **Am J Clin Pathol** 1984 Mar;81(3):345–8

Comparison of Vogel-Johnson and Baird-Parker media for membrane filtration recovery of staphylococci in swimming pool water. Klapes NA. **Appl Environ Microbiol** 1983 Dec;46(6):1318–22

beta-Lactamase-producing bacteria recovered after clinical failures with various penicillin therapy. Brook I. **Arch Otolaryngol** 1984 Apr;110(4):228–31

Staphylococcus aureus isolates from a surgical department: nasal carriage, environmental contamination, and susceptibilities to antimicrobials. Tewodros W, et al. **Ethiop Med J** 1983 Oct;21(4):209–16

Deoxyribonuclease & heat stable nuclease tests for identification of Staphylococcus aureus. Talwar V, et al. **Indian J Med Res** 1984 Jan;79:19–21

Pseudobacteremia traced to cross-contamination by an automated blood culture analyzer. Craven DE, et al. **Infect Control** 1984 Feb;5(2):75–8

Phenotypic distinctiveness of Staphylococcus aureus strains associated with toxic shock syndrome. Todd JK, et al. **Infect Immun** 1984 Aug;45(2):339–44

Application of deterministic epidemic theory to nasal carriage of Staphylococcus aureus. Goonatilake PC. **Int J Biomed Comput** 1983 Jul;14(4):345–52

Rapid identification of Staphylococcus aureus in blood cultures by thermonuclease testing. Madison BM, et al. **J Clin Microbiol** 1983 Sep;18(3):722–4

Epidemiological investigation of exfoliative toxin-producing Staphylococcus aureus strains in hospitalized patients. Piemont Y, et al. **J Clin Microbiol** 1984 Mar;19(3):417–20

Contamination of protective clothing and nurses' uniforms in an isolation ward. Babb JR, et al. **J Hosp Infect** 1983 Jun;4(2):149–57

Methicillin-resistant Staphylococcus aureus in an Australian teaching hospital. McNeil JJ, et al. **J Hosp Infect** 1984 Mar;5(1):18–28

The clinical significance of Staphylococcus aureus bacteriuria. Arpi M, et al. **J Urol** 1984 Oct;132(4):697–700

Hand-washing and antiseptics [letter] Reiss-Levy E, et al. **Med J Aust** 1984 Feb 18;140(4):245

Detection of Staphylococcus aureus in bovine mastitis and some characteristics with special reference to enterotoxin producibility and coagulase types of isolates. Takeshige K, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):355–62

Survival of Salmonella typhimurium and Staphylococcus aureus in eggs cooked by different methods. Baker RC, et al. **Poult Sci** 1983 Jul;62(7):1211–6

Nasal carrier rates and antibiotic resistance of Staphylococcus aureus isolates from hospital and non-hospital populations, Addis Ababa. Tewodros W, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):314–8

Further observations of Corynebacterium renale as an indicator organism in the detection of the exfoliation-positive strains of Staphylococcus aureus. Skalka B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):168–74

[Presence of enterotoxin D in Staphylococcus aureus strains isolated from food products] Peeva T, et al. **Vet Med Nauki** 1983;20(8):67–71 (Eng. Abstr.) **(Bul)**

[Suitability of current selective media for the detection of

Staphylococcus aureus in food] Becker H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1-2):113-26 (Eng. Abstr.) **(Ger)**

[Bacteriological findings in a group of students from designated health sector] Compagnoni G, et al. **Arch Sci Med (Torino)** 1983 Jul-Sep;140(3):335-9 (Eng. Abstr.) **(Ita)**

[Basic studies of changes of bacteria isolated from surgical patients] Horiuchi S. **Kansenshogaku Zasshi** 1983 Mar; 57(3):219-30 (Eng. Abstr.) **(Jpn)**

[Bacteriological evaluation of the environment of open pharmacies. V. Degree and type of microbial contamination of prescription drugs prepared in open pharmacies] Krutul H, et al. **Acta Pol Pharm** 1983;40(4):479-87 (Eng. Abstr.) **(Pol)**

[Bacteriological evaluation of the environment of open pharmacies. III. Microbial contamination of drug store furniture, clothes, prescription forms, utensils and containers for prescription medicines in open pharmacies] Krutul H. **Acta Pol Pharm** 1983;40(2):227-34 (Eng. Abstr.) **(Pol)**

[Bacteriology of chronic osteomyelitic focus] Bialecki J, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5-6):383-7 (Eng. Abstr.) **(Pol)**

[Phage pattern of Staphylococcus aureus strains isolated from the mouth and the nose of healthy people] Zelante F, et al. **Rev Saude Publica** 1983 Apr;17(2):123-9 (Eng. Abstr.) **(Por)**

[Quantitative characteristics of milk microflora in the diagnosis of puerperal mastitis] Voropaeva SD, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):61-4 (Eng. Abstr.) **(Rus)**

[Microflora of the tracheal mucosa in laryngeal cancer patients following laryngectomy] Kharitonova NI, et al. **Vopr Onkol** 1983;29(9):37-41 (Eng. Abstr.) **(Rus)**

[Medical aspects of elaboration of microbiological criteria for evaluating the quality and principles of microbiological standards of dried milk and other mixtures for children in the first year of life] Kuvaeva IB. **Vopr Pitan** 1984 Mar-Apr;(2):7-11 (Eng. Abstr.) **(Rus)**

[Epidemiologic studies of coagulase-positive staphylococci isolated from food handlers] Francisco-Polledo JJ, et al. **Microbiol Esp** 1983 Jan-Jun;36(1-2):35-43 (Eng. Abstr.) **(Spa)**

[Prevalence of Salmonella and Staphylococcus aureus in unpasteurized fresh cheese] Fernández Escartín E, et al. **Rev Latinoam Microbiol** 1982 Apr-Jun;24(2):83-8 (Eng. Abstr.) **(Spa)**

METABOLISM

Non-protein-bound iron within bacterial cells and the action of bleomycin. Gutteridge JM, et al. **Biochem Int** 1984 Jan; 8(1):89-94

Phosphorus-31 and carbon-13 nuclear magnetic resonance studies of anaerobic glucose metabolism and lactate transport in Staphylococcus aureus cells. Ezra FS, et al. **Biochemistry** 1983 Aug 2;22(16):3841-9

Sodium-dependent uptake of taurine in encapsulated Staphylococcus aureus strain M. Bieber EJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):127-35

Region X, the cell-wall-attachment part of staphylococcal protein A. Guss B, et al. **Eur J Biochem** 1984 Jan 16; 138(2):413-20

Perfusion of canine serum over Staphylococcus aureus Cowan 1: Evidence for release of protein A and changes in specific antibody activity. Balint J Jr, et al. **Immunol Commun** 1983;12(6):573-91

Binding sites for streptococci and staphylococci in fibronectin. Kuusela P, et al. **Infect Immun** 1984 Aug; 45(2):433-6

In vitro synthesis of the delta-lysin of Staphylococcus aureus. Lee KY, et al. **Infect Immun** 1984 May;44(2):434-8

Release of lipoteichoic acid from Staphylococcus aureus by treatment with cefmetazole and other beta-lactam antibiotics. Utsui Y, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1380-6

Regulation of protein A biosynthesis in Staphylococcus aureus by certain antibiotics: its effect on phagocytosis by leukocytes. Gemmell CG, et al. **J Antimicrob Chemother** 1983 Dec;12(6):587-97

Identification of distinct Fc-receptor molecules on streptococci and staphylococci. Reis KJ, et al. **J Clin Lab Immunol** 1984 Feb;13(2):75-80

In vitro response of Staphylococcus aureus from cystic fibrosis patients to combinations of linoleic and oleic acids added to nutrient medium. Campbell IM, et al. **J Clin Microbiol** 1983 Aug;18(2):408-15

Production of toxic-shock-associated protein(s) in Staphylococcus aureus strains isolated from 1956 through 1982. Hayes PS, et al. **J Clin Microbiol** 1984 Jul;20(1):43-6

Serum antibodies to enterotoxins produced by Staphylococcus aureus with special reference to enterotoxin F and toxic shock syndrome. Notermans S, et al. **J Clin Microbiol** 1983 Nov;18(5):1055-60

Rapid screening assay for toxic shock syndrome toxin production by Staphylococcus aureus. Weckbach LS, et al. **J Clin Microbiol** 1984 Jul;20(1):18-22

Detection of a membrane-associated protein on detached membrane ribosomes in Staphylococcus aureus. Adler LA, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1673-82

Survey of taurine uptake and metabolism in Staphylococcus aureus. Smiley DW, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2421-8

The role of plasma fibronectin as a nonantibody, noncomplement opsonin for Staphylococcus aureus. Deitch EA, et al. **J Trauma** 1984 Mar;24(3):208-13

The occurrence of enterotoxigenic strains of Staphylococcus aureus in foods. Lim YS, et al. **Med J Malaysia** 1983 Mar; 38(1):27-30

Production of enterotoxin B by Staphylococcus aureus in milk and some dairy products. Ashour MM, et al. **Z Gesamte Hyg** 1984 Mar;30(3):159-60

[Clinical observation on the effect of stimulin on fracture healing] Xie XM. **Chung Hua Wai Ko Tsa Chih** 1983 Oct; 21(10):584-6 (Eng. Abstr.) **(Chi)**

[Bacterial activator of calmodulin-dependent enzymes] Dudkin SM, et al. **Dokl Akad Nauk SSSR** 1984; 276(6):1510-3 **(Rus)**

PATHOGENICITY

Purification and some physicochemical properties of toxic-shock toxin. Reiser RF, et al. **Biochemistry** 1983 Aug 2;22(16):3907-12

Severe infections caused by methicillin-resistant Staphylococcus aureus. Keane CT, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):299-302 (35 ref.)

Enterotoxigenicity of Staphylococcus aureus strains from clinical isolates. Mauff G, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):321-6

Effects of staphylococcal enterotoxin A on the rat gastrointestinal tract. Beery JT, et al. **Infect Immun** 1984 May;44(2):234-40

Effect of strain of Staphylococcus aureus on synergism with Candida albicans resulting in mouse mortality and morbidity. Carlson E. **Infect Immun** 1983 Oct;42(1):285-92

Staphylococcal toxic shock toxin specifically binds to cultured human epithelial cells and is rapidly internalized. Kushnaryov VM, et al. **Infect Immun** 1984 Sep; 45(3):566-71

Staphylococcus aureus. The persistent pathogen (first of two parts). Sheagren JN. **N Engl J Med** 1984 May 24; 310(21):1368-73 (61 ref.)

PHYSIOLOGY

Bacterial histamine release by immunological and non-immunological lectin-mediated reactions. Jensen C, et al. **Allergy** 1984 Jul;39(5):371-7

Effects of physical configuration and chemical structure of suture materials on bacterial adhesion. A possible link to wound infection. Chu CC, et al. **Am J Surg** 1984 Feb; 147(2):197-204

Bacterial interference and toxic shock syndrome [letter] Tagg JR, et al. **Ann Intern Med** 1983 Dec;99(6):879-80

Prevention of Staphylococcus aureus lysis. Bhaduri S. **Appl Environ Microbiol** 1983 Aug;46(2):515-7

Adherence of Staphylococcus aureus to rabbit corneal epithelial cells. Johnson AP, et al. **Arch Ophthalmol** 1984 Aug;102(8):1229-31

31P-NMR and ESR studies of the oxidation states of manganese in Staphylococcus aureus. Ezra FS, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1-2):90-4

Adsorption of fibronectin onto polymethylmethacrylate and promotion of Staphylococcus aureus adherence. Vaudaux PE, et al. **Infect Immun** 1984 Sep;45(3):768-74

Quantitative association between electrical potential across the cytoplasmic membrane and early gentamicin uptake and killing in Staphylococcus aureus. Eisenberg ES, et al. **J Bacteriol** 1984 Mar;157(3):863-7

Cyclical abnormalities in the bactericidal function, superoxide production, and lysozyme activity of neutrophils obtained from a healthy woman during menstruation: reversal by pretreatment with aspirin. Berger EM, et al. **J Infect Dis** 1984 Mar;149(3):413-9

Modulation by staphylococci of the response of mice infected with Neisseria gonorrhoeae. Jacques M, et al. **Rev Can Biol Exp** 1983 Jul;42(2):191-7

RADIATION EFFECTS

Hypoxic radiosensitization by the antimicrobial methyl paraben. Jacobs GP, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1217-20

[Photodynamic lethal activity of rose bengal against Staphylococcus aureus FDA 209P] Kanei M. **Nippon Saikingaku Zasshi** 1983 May;38(3):645-7 **(Jpn)**

ULTRASTRUCTURE

Fluorescent staining of intracellular and extracellular bacteria in blood. Mansour JD, et al. **J Clin Microbiol** 1984 Apr; 19(4):453-6

Visualization of herpes simplex virus type 1 attachment to target cells using Staphylococcus aureus as a morphologic tag. Hodnichak CM, et al. **J Virol Methods** 1984 May; 8(3):191-8

Effect of rifampin and oxacillin on the ultrastructure and growth of Staphylococcus aureus. Lorian V, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S418-27

STAPHYLOCOCCUS EPIDERMIDIS

ANALYSIS

Chemical composition and structure of cell wall teichoic acids of staphylococci. Endl J, et al. **Arch Microbiol** 1983 Sep;135(3):215-23

Production and partial purification of a peptide antibiotic from Staphylococcus epidermidis. Eady EA, et al. **J Appl Bacteriol** 1983 Dec;55(3):461-72

Characterization of ribosomal proteins from Staphylococcus and Micrococcus by two-dimensional gel electrophoresis. Dekio S, et al. **J Dermatol (Tokyo)** 1983 Jun;10(3):267-74

CLASSIFICATION

Comparison of the API Staph-Ident and DMS Staph-Trac systems with conventional methods used for the identification of coagulase-negative staphylococci. Giger O, et al. **J Clin Microbiol** 1984 Jan;19(1):68-72

Characters of coagulase-negative staphylococci and micrococci from cases of endocarditis. Richardson JF, et al. **J Hosp Infect** 1984 Jun;5(2):164-71

[Characteristics of staphylococci isolated from normal human skin] Ivanov NA, et al. **Vestn Dermatol Venerol** 1983 Nov; (11):68-71 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Population analysis in strains of Staphylococcus aureus and Staphylococcus epidermidis. II. Cefuroxime and cefotaxime. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):425-9

Effects of fibronectin on the compact colony formation in staphylococci. Usui Y, et al. **Can J Microbiol** 1984 Mar; 30(3):419-22

[Comparison of the in vitro activity of cephalothin and cefamandole on methillicin-resistant strains of Staphylococcus aureus and epidermidis] Bianchi P, et al. **Clin Ter** 1984 Feb 29;108(4):283-9 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Purification and characterization of aminoglycoside-modifying enzymes from Staphylococcus aureus and Staphylococcus epidermidis. Ubukata K, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):754-9

[Production of penicillinase by staphylococcal strains of different origins] Ivanov NA, et al. **Antibiotiki** 1983 Nov; 28(11):823-6 (Eng. Abstr.) **(Rus)**

[Neuraminidase activity of staphylococci] Ternovskaia LN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr; (4):30-2 (Eng. Abstr.) **(Rus)**

GENETICS

Secondary structure and phylogeny of Staphylococcus and Micrococcus 5S rRNAs. Dekio S, et al. **J Bacteriol** 1984 Jul;159(1):233-7

Plasmid-pattern analysis for the differentiation of infecting from noninfecting Staphylococcus epidermidis. Archer GL, et al. **J Infect Dis** 1984 Jun;149(6):913-20

GROWTH & DEVELOPMENT

Colony-formation of staphylococci in fibronectin-soft-agar. Lämmler C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May;257(1):1-5

[Digestive and cutaneous colonization of Staphylococcus epidermidis in hairless axenic mice] Bourlioux P, et al. **Ann Microbiol (Paris)** 1984 Mar-Apr;135(2):319-27 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Detection of anti-teichoic acid immunoglobulin G antibodies in experimental Staphylococcus epidermidis endocarditis. West TE, et al. **Infect Immun** 1983 Dec;42(3):1020-6

Staphylococcal capsular vaccine for preventing mastitis in two herds in Georgia. Yoshida K, et al. **J Dairy Sci** 1984 Mar;67(3):620-7

ISOLATION & PURIFICATION

Bacteriological examination in cases of premature rupture of membranes. Saleh FM, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):385-92

Contamination of irrigation solutions in an operating theatre. Andersson BM, et al. **Infect Control** 1984 Jul;5(7):339-41

Hand-washing and antiseptics [letter] Reiss-Levy E, et al. **Med J Aust** 1984 Feb 18;140(4):245

METABOLISM

Effect of extracellular slime substance from Staphylococcus epidermidis on the human cellular immune response. Gray ED, et al. **Lancet** 1984 Feb 18;1(8373):365-7

PATHOGENICITY

[Adherence of Staphylococcus epidermidis, Escherichia coli and Corynebacterium vaginale to vaginal epithelial cells of healthy women and patients with chronic inflammation of the adnexa] Mikulíková L, et al. **Cesk Gynekol** 1984 Jun;49(5):329-33 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

Attachment of staphylococci to various synthetic polymers. Ludwicka A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):479-89

RADIATION EFFECTS

UV-induction of SOS responses in Staphylococcus epidermidis: characteristics of the process. Silva BS, et al. **Photochem Photobiol** 1984 Jun;39(6):781-5

ULTRASTRUCTURE

Comparison of cell wall teichoic acid fractions isolated from three different encapsulated strains of Staphylococcus epidermidis. Ohshima Y, et al. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):353-65

STAPHYLOMYCIN see **VIRGINIAMYCINS**

STARCH

Hydroxyethyl starch versus albumin in cardiopulmonary bypass prime solutions. Saunders CR, et al. **Ann Thorac Surg** 1983 Nov;36(5):532-9

Stereochemistry of circularly closed oligosaccharides: cyclodextrin structure and function. Saenger W. **Biochem Soc Trans** 1983 Apr;11(2):136-9

Properties of cyclodextrin polymer as a tabletting aid. Fenyvesi E, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb; 32(2):665-9

Evaluation of cyclodextrin polymer as an additive for furosemide tablet. Fenyvesi E, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):670-7

Use of beta-cyclodextrin fluorophore complexes to improve the efficiency of fluorescent label incorporation into proteins. Kinsland LN, et al. **J Biochem Biophys Methods** 1984 Mar;9(1):81-3

Examination for Pneumocystis cysts [letter] Hubbard JD. **J Pediatr** 1984 Jul;105(1):171-2

Compressional characteristics of four starches. Paronen P, et al. **J Pharm Pharmacol** 1983 Oct;35(10):627-35

Effect of intergranular versus intragranular cornstarch on tablet friability and in vitro dissolution. Chowhan ZT, et al. **J Pharm Sci** 1983 Sep;72(9):983-8

Application of dynamic mechanical testing to characterize the viscoelastic properties of powder-filled semisolids. Radebaugh GW, et al. **J Pharm Sci** 1984 May;73(5):590-4

Equilibria between vitamin B6-compounds and cyclodextrins. Himanen JP, et al. **Prog Clin Biol Res** 1984; 144A:109-14

[Preparation and investigation of products containing metronidazole and beta-cyclodextrin] Kata M, et al. **Acta Pharm Hung** 1984 May;54(3):116-22 (Eng. Abstr.) **(Hun)**

[Beta-cyclodextrin as an auxiliary substance in tabletting (preliminary communication)] Krajnyák J, et al. **Acta Pharm Hung** 1984 Mar;54(2):90-1 **(Hun)**

ADMINISTRATION & DOSAGE

Influence of caecectomy and source of dietary fibre or starch on excretion of endogenous amino acids by laying hens. Parsons CM. **Br J Nutr** 1984 May;51(3):541-8

Re: Quantitative hepatic arterial perfusion scintigraphy and starch microspheres in cancer therapy [letter] Valk PE, et al. **J Nucl Med** 1984 Jun;25(6):732-3

Improvement of the oral bioavailability of digitalis glycosides by cyclodextrin complexation. Uekama K, et al. **J Pharm Sci** 1983 Nov;72(11):1338-41

Cornstarch therapy in type I glycogen-storage disease. Chen YT, et al. **N Engl J Med** 1984 Jan 19;310(3):171-5

[Improvement in pharmacological properties of thiopental by gamma-cyclodextrin complexation] Arimori K, et al. **Yakugaku Zasshi** 1983 May;103(5):553-8 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

An experimental histopathologic study of surgical glove powders. Sheikh KM, et al. **Arch Surg** 1984 Feb; 119(2):215-9

Starch synovitis. Freemont AJ, et al. **J Clin Pathol** 1984 Sep; 37(9):990-2

Granulomatous peritonitis caused by glove starch. Michowitz M, et al. **Postgrad Med J** 1983 Sep;59(695):593-5

[Starch powder and surgical gloves (letter)] Aalders GJ, et al. **Ned Tijdschr Geneeskd** 1984 Jun 16;128(24):1162 **(Dut)**

[Granulomatous peritonitis following the use of surgical gloves powdered with starch] van Leeuwen DJ, et al. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):18-20 (Eng. Abstr.) **(Dut)**

[Starch powder and surgical gloves; how to cope if medical aids cause side effects] van Leeuwen DJ, et al. **Ned Tijdschr Geneeskd** 1984 Jan 7;128(1):9-13 (Eng. Abstr.) **(Dut)**

[Granulomatous peritonitis caused by starch: present effect of an old problem] Espinós D, et al. **Med Clin (Barc)** 1983 Sep 17;81(7):305-9 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Avoidance of blood transfusion in coronary artery surgery: a trial of hydroxyethyl starch. Belcher P, et al. **Ann Thorac Surg** 1984 May;37(5):365-70

Hydroxyethyl starch versus albumin for colloid infusion following cardiopulmonary bypass in patients undergoing myocardial revascularization. Kirklin JK, et al. **Ann Thorac Surg** 1984 Jan;37(1):40-6

Biliary excretion of hydroxyethyl starch in man. Kalhorn TF, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):164-6

Action of hydroxyethyl starch on the flow properties of human erythrocyte suspensions. Corry WD, et al. **Biorheology** 1983;20(5):705-17

Hydroxyethylstarch administration does not depress reticuloendothelial function or increase mortality from sepsis. Shatney CH, et al. **Circ Shock** 1984;13(1):21-6

Intracranial and systemic effects of hetastarch in experimental cerebral edema. Albright AL, et al. **Crit Care Med** 1984 Jun;12(6):496-500

Hemodynamic comparison of albumin and hydroxyethyl starch in postoperative cardiac surgery patients. Moggio RA, et al. **Crit Care Med** 1983 Dec;11(12):943-5

Cardiovascular effects of various colloidal solutions during major abdominal surgery. Nishimura N, et al. **Crit Care Med** 1983 Dec;11(12):940-2

Fluid resuscitation in circulatory shock: a comparison of the cardiorespiratory effects of albumin, hetastarch, and saline solutions in patients with hypovolemic and septic shock. Rackow EC, et al. **Crit Care Med** 1983 Nov;11(11):839-50

Reversal of acute renal failure using hemodilution with hydroxyethyl starch. Rajagopalan PR, et al. **J Trauma** 1983 Sep;23(9):795-800

Chemical characterization of the persistent fraction of hydroxyethyl starch in rat serum and spleen. Sum CY, et al. **Life Sci** 1983 Nov 14;33(20):1989-94

Donor reaction to hydroxyethyl starch during granulocytapheresis. Dutcher JP, et al. **Transfusion** 1984 Jan-Feb;24(1):66-7

Erythema multiforme following the infusion of hydroxyethyl starch. Klein RE, et al. **Transfusion** 1984 Mar-Apr; 24(2):166-7

Does hydroxyethyl starch cause lichen planus? Lichen planus in a long-time routine blood donor never exposed to hydroxyethyl starch. Newman RS, et al. **Transfusion** 1983 Nov-Dec;23(6):531-2

Hydroxyethyl starch serum levels in leukapheresis donors measured by modified periodic acid-Schiff staining technique. Trivedi SM, et al. **Transfusion** 1984 May-Jun; 24(3):260-3

[Evaluation of colloidal volume replacement solution 6% HES 40/0.5] Halmágyi M. **Anaesthesist** 1984 Feb; 33(2):73-81 (Eng. Abstr.) **(Ger)**

[Heinz body formation test: erythrocyte damage induced by hydroxyethyl starch] Mannoji M, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1023-8 (Eng. Abstr.) **(Jpn)**

[Effects of high molecular HES on erythrocytes during leukapheresis under Hemonetics PEX] Mannoji M, et al. **Rinsho Ketsueki** 1983 Jul;24(7):955-9 **(Jpn)**

[Effects of corticosteroids and erythrocyte sedimenting agents on centrifugal leukapheresis] Sakamoto H, et al. **Rinsho Ketsueki** 1983 Jul;24(7):834-41 (Eng. Abstr.) **(Jpn)**

[Use of the anthrone method for analyzing the pharmacokinetics of hydroxyethyl starch] Prostakova TM, et al. **Lab Delo** 1984;(6):365-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantitative determination of starch, amylose, and amylopectin in plant tissues using glass fiber paper. Luštinec J, et al. **Anal Biochem** 1983 Jul 15;132(2):265-71

Interaction of native and SH-modified beta-amylase of soybean with cyclohexadextrin and maltose. Mikami B, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):107-13

Investigation of the beta-cyclodextrin-hydrocortisone inclusion compound. Frank SG, et al. **J Pharm Sci** 1983 Oct;72(10):1215-7

Complex formation between alpha-cyclodextrin and 4-substituted phenols studied by potentiometric and competitive spectrophotometric methods. Lin SF, et al. **J Pharm Sci** 1983 Nov;72(11):1333-8

Inclusion complexation of prostaglandin F2 alpha with gamma-cyclodextrin in solution and solid phases. Uekama K, et al. **J Pharm Sci** 1984 Mar;73(3):382-4

ANTAGONISTS & INHIBITORS

Starch blockers: a potential source of trypsin inhibitors and lectins. Liener IE, et al. **Am J Clin Nutr** 1984 Feb; 39(2):196-200

Whatever happened to starch blockers? Drew RH. **NC Med J** 1983 Aug;44(8):498

IMMUNOLOGY

[Effect of starch-induced structural and functional modification in a population of free phagocytes on antibody formation induction by ram erythrocytes in mice] Osipov IuG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):83-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of carbon monoxide on fermentation of fiber, starch, and amino acids by mixed rumen microorganisms in vitro. Russell JB, et al. **Appl Environ Microbiol** 1984 Jul; 48(1):211-7

Effects of tendamistate (alpha-amylase inactivator) on starch metabolism. Meyer BH, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):145-8

Starch digestibility of foods: a nutritional perspective. Dreher ML, et al. **CRC Crit Rev Food Sci Nutr** 1984;20(1):47-71 (164 ref.)

Glucose absorption from starch hydrolysates in the human jejunum. Jones BJ, et al. **Gut** 1983 Dec;24(12):1152-60

A study of 'starch blockers' in man using 13C-enriched starch as a tracer. Garrow JS, et al. **Hum Nutr Clin Nutr** 1983 Jul;37(4):301-5

Sucrose taken during mixed meal has no additional hyperglycaemic action over isocaloric amounts of starch in well-controlled diabetics. Slama G, et al. **Lancet** 1984 Jul 21;2(8395):122-5

Comparison of glucose and a glucose polymer for testing oral carbohydrate tolerance in pregnancy. Court DJ, et al. **Obstet Gynecol** 1984 Aug;64(2):251-5

Effects of tendamistate (an alpha-amylase inactivator), guar and placebo on starch metabolism. Meyer BH, et al. **S Afr Med J** 1984 Aug 11;66(6):222-3

Pharmacodynamics and tolerability of low doses of tendamistate given with starch. Meyer BH, et al. **S Afr Med J** 1984 Feb 25;65(8):287-8

[Digestive physiology of the horse. 8. Prececal digestibility of starch and lactose and their effect on cecal metabolism] Lindemann G, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1983 Nov; 50(4-5):157-69 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Interaction of tri-O-methyl-beta-cyclodextrin with drugs. II. Enhanced bioavailability of ketoprofen in rats when administered with tri-O-methyl-beta-cyclodextrin. Nakai Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3745-7

Analysis of interfacial transfer and absorption behavior of drugs following dissolution from beta-cyclodextrin complexes. Uekama K, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3637-43

The digestion of total and cell wall monosaccharides of alfalfa by sheep. Ben-Ghedalia D, et al. **J Nutr** 1984 May; 114(5):880-7

Effect of maternal carbohydrate intake on mitochondrial activity and on lipogenesis by the young and mature progeny. Bouillon DJ, et al. **J Nutr** 1983 Nov; 113(11):2205-16

The influence of hardly digestive starch granules on sucrase and isomaltase in small intestinal mucosa of rats. Fujita S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr; 30(2):135-42

The distribution of 3-hydroxy-3-methylglutaryl coenzyme A reductase in the small intestine of rats fed raw or gelatinized starch as a carbohydrate source. Oku H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):171-8

Protective mechanism of beta-cyclodextrin for the hemolysis induced with phenothiazine neuroleptics in vitro. Irie T, et al. **J Pharmacobiodyn** 1983 Jun;6(6):408-14

Reduction in the local tissue toxicity of chlorpromazine by beta-cyclodextrin complexation. Irie T, et al. **J Pharmacobiodyn** 1983 Oct;6(10):790-2

THERAPEUTIC USE

Cornstarch therapy in type I glycogen-storage disease [letter] Wergowske GL, et al. **N Engl J Med** 1984 Jul 12; 311(2):128-9

TOXICITY

Ames mutagenicity tests of products from a heated potato-starch system. Shibamoto T. **Food Chem Toxicol** 1984 Feb;22(2):119-22

[Evaluation of the potential use of a synthetic glue instead of starch in making transfer pictures for children] Brodskaia BIa, et al. **Gig Sanit** 1983 Aug;(8):60-2 (3 ref.) **(Rus)**

STARCH (BACTERIAL GLYCOGEN) SYNTHASE see under **GLUCOSYLTRANSFERASES**

STARFISH

Cyclic assembly-disassembly of cortical microtubules during maturation and early development of starfish oocytes. Schroeder TE, et al. **Dev Biol** 1984 Jun;103(2):493-503

CYTOLOGY

A computer simulation of geometrical configurations during cell division. Honda H, et al. **J Theor Biol** 1984 Feb 7; 106(3):423-35

DRUG EFFECTS

Immobilized methylglyoxal-bis(guanylhydrazone) induces starfish oocyte maturation. Meijer L, et al. **Dev Biol** 1983 Dec;100(2):308-17

GENETICS

Actin genes from the sea star Pisaster ochraceus. Kovesdi I, et al. **Biochim Biophys Acta** 1984 May 15;782(1):76-86

IMMUNOLOGY

Specific immune response in the sea star Asterias rubens: production of 'antibody-like' factors. Brillouet C, et al. **Cell Immunol** 1984 Mar;84(1):138-44

Kinetics of tumor cell cytostasis by sea star factor-activated macrophages. Liu SH, et al. **Dev Comp Immunol** 1983

Summer;7(3):545–54
MLR-like reaction between axial organ cells from asterids. Luquet G, et al. **Immunol Lett** 1984;7(5):235–8
Spontaneous and induced cytotoxicity of axial organ cells from Asterias rubens (Asterid—echinoderm). Luquet G, et al. **Immunol Lett** 1983 Jun;6(6):339–42

PHYSIOLOGY

The fusion of oocytes of the starfish Aphelasterias japonica. III. Reconstruction of oocytes from cells and cell fragments (cytoplasts). Vassetzky SG, et al. **Cell Differ** 1984 Apr; 14(1):47–52
Nature and action of the mediators inducing maturation of the starfish oocyte. Kanatani H. **Ciba Found Symp** 1983; 98:159–70
Sensitivity of starfish oocytes and whole, half and enucleated embryos to cytotoxic neuropharmacological drugs. Buznikov GA, et al. **Comp Biochem Physiol [C]** 1984; 78(1):197–201
Breakdown of starfish ovarian follicle induced by maturation-promoting factor. Kishimoto T, et al. **Dev Biol** 1984 Jan;101(1):28–34
Calmodulin in starfish oocytes. II. Trypsin treatment suppresses the trifluoperazine-sensitive step. Meijer L, et al. **Dev Biol** 1984 Jan;101(1):257–62
Assembly–disassembly of actin bundles in starfish oocytes: an analysis of actin-associated proteins in the isolated cortex. Otto JJ, et al. **Dev Biol** 1984 Feb;101(2):263–73
Maturation and fertilization in starfish oocytes. Meijer L, et al. **Int Rev Cytol** 1984;86:129–96 (367 ref.)
Voltage-clamp study of the conductance activated at fertilization in the starfish egg. Lansman JB. **J Physiol (Lond)** 1983 Dec;345:353–72

ULTRASTRUCTURE

Electron microscopy of extracellular materials during the development of a sea star, Patiria miniata (Echinodermata: Asteroidea). Cameron RA, et al. **Cell Tissue Res** 1983; 234(1):193–200
Microtubule arrays in the cortex and near the germinal vesicle of immature starfish oocytes. Otto JJ, et al. **Dev Biol** 1984 Feb;101(2):274–81

STARTLE REACTION

Familial startle disease (hyperexplexia). Electrophysiologic studies. Markand ON, et al. **Arch Neurol** 1984 Jan; 41(1):71–4
A visual pathway that mediates fear-conditioned enhancement of acoustic startle. Tischler MD, et al. **Brain Res** 1983 Oct 3;276(1):55–71
Cholinergic and monoaminergic substrates of startle habituation. Hughes RN. **Life Sci** 1984 May 28; 34(22):2101–5
Hyperekplexia relieved by surgical decompression of the cervicomedullary region. Winston K. **Neurosurgery** 1983 Dec;13(6):708–10
Hyperreflexive behavior in Brattleboro rats. Warren PH, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):421–4
Reflex modification in the domain of startle: II. The anomalous history of a robust and ubiquitous phenomenon. Ison JR, et al. **Psychol Bull** 1983 Jul;94(1):3–17
Effect of avoidance-avoidance conflict on magnitude of startle: reduced fear during conflict. Allan MJ, et al. **Psychol Rep** 1983 Aug;53(1):43–8
Effect of hunger on the acoustic startle reflex. Armus HL, et al. **Psychol Rep** 1984 Apr;54(2):667–70
Bioelectric and potentiometric measures of eyeblink amplitude in reflex modification paradigms. Clarkson MG, et al. **Psychophysiology** 1984 Mar;21(2):237–41
[Effect of ethanol on components of the nonspecific startle reaction in man] Volynkina Glu, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):596–600 (Eng. Abstr.) **(Rus)**
[Startle disease or hyperekplexia] Castillo J, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):99–104 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Behavior and binding: desensitization to alpha 1-adrenergic stimulation of acoustic startle is associated with a decrease in alpha 1-adrenoceptor binding sites. Astrachan DI, et al. **Brain Res** 1983 Oct 3;276(1):183–7
Increased startle responding in rats treated with phencyclidine. Geyer MA, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):161–4
Excitatory effects of the vasodilator hydralazine on acoustic startle in the rat. Commissaris RL, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):891–4
Effects of chronic intermittent and continuous amphetamine administration on acoustic startle. Kokkinidis L. **Pharmacol Biochem Behav** 1984 Mar;20(3):367–71
The effects of clonidine, prazosin, and propranolol on short-term and long-term habituation of the acoustic startle response in rats. Leaton RN, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):935–42
Harmaline effects on the sensory-motor reactivity: modifications of the acoustic startle pattern. Pellet J, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):527–34
Diazepam blocks fear-enhanced startle elicited electrically from the brainstem. Berg WK, et al. **Physiol Behav** 1984 Feb;32(2):333–6
Hyposensitivity to serotonergic stimulation in protein malnourished rats. Hall RD, et al. **Physiol Behav** 1983 Aug; 31(2):187–95
Diethyldithiocarbamate depresses the acoustic startle response in rats. Storm JE, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):68–72
Effects of two pyrethroid insecticides on motor activity and the acoustic startle response in the rat. Crofton KM, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):318–28
Trimethyltin disrupts acoustic startle responding in adult rats. Ruppert PH, et al. **Toxicol Lett** 1984 Jul;22(1):33–8

PHYSIOLOGY

Hyperekplexia: a syndrome of pathological startle responses. Sáenz-Lope E, et al. **Ann Neurol** 1984 Jan;15(1):36–41
Startle epilepsy: a clinical study. Sáenz-Lope E, et al. **Ann Neurol** 1984 Jul;16(1):78–81
Habituation of the acoustic startle response in rats after lesions in the mesencephalic reticular formation or in the inferior colliculus. Jordan WP, et al. **Behav Neurosci** 1983 Oct;97(5):710–24
Ontogenesis of learning: II. Variation in the rat's reflexive and learned responses to acoustic stimulation. Hyson RL, et al. **Dev Psychobiol** 1984 May;17(3):263–83
Ontogenesis of learning: III. Variation in the rat's differential reflexive and learned responses to sound frequencies. Rudy JW, et al. **Dev Psychobiol** 1984 May;17(3):285–300
Ultrastructural correlates of electrical-chemical synaptic transmission in goldfish cranial motor nuclei. Hackett JT, et al. **J Comp Neurol** 1984 Apr 10;224(3):425–36
Startle reflex inhibition in the rat: its persistence after extended repetition of the inhibitory stimulus. Wu MF, et al. **J Exp Psychol [Anim Behav]** 1984 Apr;10(2):221–8
Startle disease [letter] Joseph AB. **Neurosurgery** 1984 Jun; 14(6):786–7
Acoustic startle responses of protein malnourished rats. Hall RD. **Physiol Behav** 1984 Feb;32(2):175–81
Locomotor activity, auditory startle and shock thresholds in spontaneously hypertensive rats. Leaton RN, et al. **Physiol Behav** 1983 Jul;31(1):103–9
[Determination of supraspinal modification of reflex excitation] Kmietzyk HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Sep; 35(9):557–60 (Eng. Abstr.) **(Ger)**
[Reticular neurons with double axon projections: participation in execution of the reflex startle response in the cat] Karpukhina MV, et al. **Neirofiziologiia** 1983; 15(4):431–4 (Eng. Abstr.) **(Rus)**

STARVATION

see related
FASTING
FOOD DEPRIVATION
HUNGER

Starvation induced anoestrus: effect of chronic food restriction on body weight, its influence on oestrous cycle and gonadotrophin secretion in rats. Knuth UA, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):402–9
Serum lipids during starvation in obesity. Balázsi I, et al. **Acta Med Hung** 1983;40(2–3):133–8
Ketone body turnover during and after exercise in overnight-fasted and starved humans. Féry F, et al. **Am J Physiol** 1983 Oct;245(4):E318–25
Sites of protein conservation and loss during starvation: influence of adiposity. Goodman MN, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E383–90
Ultrastructure of the absorptive cells in the small intestine of the rat during starvation. Sohma M. **Anat Embryol (Berl)** 1983;168(3):331–9
Evidence that hepatic mitochondrial mass decreases during the first sixteen hours following birth in starved newborn rats. Escrivá F, et al. **Biol Neonate** 1984;45(3):125–8
Effect of long-term starvation on acetate and ketone body metabolism in obese patients. Seufert CD, et al. **Eur J Clin Invest** 1984 Apr;14(2):163–70
Sex-specific regionality of liver metabolism during starvation; with special reference to the heterogeneity of the lobular periphery. Teutsch HF. **Histochemistry** 1984; 81(1):87–92
Hormonal and metabolic changes in starving obese patients during exhaustive physical exercise. Jakober B, et al. **J Endocrinol Invest** 1983 Dec;6(6):445–53
The effect of temperature and starvation on the clearance of bacteria from the bloodstream of rainbow trout (Salmo gairdneri Richardson). Ferguson HW, et al. **J Leukocyte Biol** 1984 Feb;35(2):209–16
Potentiation of 14C-glucose oxidation by priming glucose loads: effect of starvation. Buchanan B, et al. **Metabolism** 1984 May;33(5):411–4
Gluconeogenesis and ammonia production in the isolated perfused rat kidney: the effect of starvation, acidosis and diabetic ketosis. Goto E, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):67–78
Starvation: a major contribution to mortality in acute renal failure? Mault JR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:390–5

BLOOD

The mechanism of action of phenformin in starved rats. Evans PF, et al. **Biochem Pharmacol** 1983 Nov 15; 32(22):3459–63
Blood-glucose concentrations during anaesthesia in children. Effects of starvation and perioperative fluid therapy. Nilsson K, et al. **Br J Anaesth** 1984 Apr;56(4):375–9
Temporal changes in plasma levels and metabolism of ketone bodies by liver and brain after ethanol and/or starvation in C57BL/6J mice. Schreiber RA, et al. **Drug Alcohol Depend** 1984 Mar;13(2):151–60
Interaction of cold and starvation in the regulation of plasma corticosterone levels in the male rat. Tang F, et al. **Horm Metab Res** 1984 Aug;16(8):445–8
Influence of nutritional status on exertion-induced forearm amino acid metabolism in normal man. Lowry SF, et al. **J Surg Res** 1984 May;36(5):438–45
Decreased plasma fibronectin during starvation in man. Howard L, et al. **JPEN** 1984 May–Jun;8(3):237–44
Studies on the pharmacological bases of fetal toxicity of drugs (IV). Effect of endotoxin and starvation on serum protein binding of salicylic acid in pregnant rats. Itami T, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1199–204
Evaluation of the effect of food deprivation on micronucleus test results. Gollapudi BB, et al. **Toxicol Lett** 1984 Jun; 21(3):353–6
[Effect of starvation on lipid peroxidation and fatty acid composition in the blood of young and old rats] Gatsko GG, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):44–7 (Eng. Abstr.) **(Rus)**
[Hormonal changes in prolonged starvation in rats] Ahlersová E, et al. **Cas Lek Cesk** 1983 Apr 22; 122(16):497–500 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Dopamine blockade inhibits starvation ketosis in man. Johnston DG, et al. **Clin Endocrinol (Oxf)** 1983 Sep; 19(3):389–96
Starvation in children. Winick M. **Trans Stud Coll Physicians Phila** 1984 Mar;6(1):9–21

ENZYMOLOGY

The effect of starvation and refeeding on lipogenic enzymes in mammary glands and livers of lactating rats. Grigor MR, et al. **Biochem J** 1983 Nov 15;216(2):515–8
Changes in cytochrome P-450 iron spin state as a function of castration, testosterone or estrogen treatment, vigorous exercise, or starvation. Rispin AS, et al. **Biochem Pharmacol** 1984 May 15;33(10):1619–24
Effects of 3-methylcholanthrene and starvation on intranephron distribution of cytochrome P-450. Endou H, et al. **Dev Toxicol Environ Sci** 1983;11:451–4
Stimulation of lactase synthesis induced by starvation in the jejunum of adult rat. Nsi-Emvo E, et al. **Enzyme** 1984; 31(1):45–9
Distribution of pyruvate kinase type L and M2 in microdissected periportal and perivenous rat liver tissue with different dietary states. Zierz S, et al. **Hoppe Seylers Z Physiol Chem** 1983 Oct;364(10):1447–53
Avian phosphoenolpyruvate carboxykinase: effect of age, starvation and photoperiod. Tinker DA, et al. **Int J Biochem** 1983;15(10):1225–30
Ornithine decarboxylase induction in rat colon: synergistic effects of intrarectal instillation of sodium deoxycholate and starvation–refeeding. Stanley BA, et al. **J Nutr** 1984 Feb;114(2):404–10
Differential changes of tightly chromatin-bound RNA polymerase II in starved and cycloheximide-treated rat liver nuclei. Okai Y. **Mol Biol Rep** 1984 Jul;10(1):19–22

IMMUNOLOGY

Effect of acute nutritional deprivation on immune function in mice. II. Response to sublethal radiation. Wing EJ, et al. **Clin Immunol Immunopathol** 1984 Mar;30(3):479–87
Depression and delayed recovery of alveolar macrophage function during starvation and refeeding. Shennib H, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):535–40
[Immune responsiveness and resistance to bacterial infection in acutely starved mice] Higuchi K. **Fukuoka Igaku Zasshi** 1984 Apr;75(4):186–96 (Eng. Abstr.) **(Jpn)**

METABOLISM

Fetal fuels. VII. Ketone bodies inhibit synthesis of purines in fetal rat brain. Shambaugh GE 3d, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E111–7
Effect of starvation on the local and systemic metabolic effects of the lambda-carrageenan wound. Shearer J, et al. **Am J Surg** 1984 Apr;147(4):456–62
Changes in connective tissue composition of the lung in starvation and refeeding. Sahebjami H, et al. **Am Rev Respir Dis** 1983 Oct;128(4):644–7
Distribution of amino acids and amino-acid enzymes in whole kidney and renal cortex. Effect of 24-h starvation. Remesar X, et al. **Arch Int Physiol Biochim** 1983 Nov;91(4):255–60
Starvation in the rat: effect on peptides of the gut and brain. Shulkes A, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):581–7
Development of gluconeogenesis from dihydroxyacetone in rat hepatocytes during a feeding cycle and starvation. Azzout B, et al. **Biochem J** 1984 Mar 15;218(3):975–81
Regulation of lipogenesis in vivo by glucose availability and

insulin secretion in maternal and foetal tissues during late gestation in the rat. Effect of glucose intubation, streptozotocin-induced diabetes and starvation. Lorenzo M, et al. **Biochem J** 1983 Dec 15;216(3):695–9

The influence of starvation and tryptophan administration on the metabolism of phenylalanine, tyrosine and tryptophan in isolated rat liver cells. Salter M, et al. **Biochem J** 1984 Jul 15;221(2):431–8

Starvation-induced changes of palmitate metabolism and insulin secretion in isolated rat islets stimulated by glucose. Tamarit-Rodríguez J, et al. **Biochem J** 1984 Jul 15; 221(2):317–24

Effect of starvation and refeeding on amino acid uptake by mammary gland of the lactating rat. Role of ketone bodies. Viña JR, et al. **Biochem J** 1983 Nov 15;216(2):343–7

The effect of starvation on branched-chain 2-oxo acid oxidation in rat muscle. Wagenmakers AJ, et al. **Biochem J** 1984 Apr 1;219(1):253–60

Alterations in mammary-gland blood flow and glucose metabolism in the lactating rat induced by short-term starvation and refeeding. Jones RG, et al. **Biosci Rep** 1984 May;4(5):421–6

In vitro degradation of leucine in muscle, adipose tissue, liver, and kidney of fed and starved sheep. Wijayasinghe MS, et al. **Biosci Rep** 1983 Dec;3(12):1133–40

Mineral metabolism during short-term starvation in man. Elia M, et al. **Clin Chim Acta** 1984 May 16;139(1):37–45

On the energy fuel in voles during their starvation. Mosin AF. **Comp Biochem Physiol [A]** 1984;77(3):563–5

Ketogenesis in mitochondria isolated from liver biopsies of normal and starved dogs: comparison with rat-liver mitochondria. de Bruijne JJ, et al. **Comp Biochem Physiol [B]** 1983;75(4):557–62

Thyrotropin secretion in starved rats is enhanced by somatostatin antiserum. DeRuyter H, et al. **Horm Metab Res** 1984 Feb;16(2):92–6

Starvation-induced secretory changes of insulin, somatostatin, and glucagon and their modification by 2-bromostearate. Tamarit-Rodriguez J, et al. **Horm Metab Res** 1984 Mar;16(3):115–9

Biochemical composition of different regions of the brain in malnourished children. Sarma MK, et al. **Indian J Med Res** 1983 Jul;78:64–73

Liver and kidney cortex gluconeogenesis from L-alanine in fed and starved rats. Zorzano A, et al. **Int J Biochem** 1984; 16(3):263–7

Epinephrine-stimulated glucose production is not diminished by starvation: evidence for an effect on gluconeogenesis. Hendler RG, et al. **J Clin Endocrinol Metab** 1984 Jun; 58(6):1014–21

Effect of diet and starvation on hepatic mitochondrial function in the rat. Brady LJ, et al. **J Nutr** 1983 Nov; 113(11):2129–37

Interaction of glucocorticoid and thyroxine in the responses of rats to starvation-refeeding. Nessmith S, et al. **J Nutr** 1983 Nov;113(11):2260–5

Effects of starvation on microsomal cytochrome P-450 and laurate-omega-hydroxylation of rat kidney and liver. Hasumura S, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):999–1006

Metabolic alterations in normal and streptozotocin-diabetic rats in vivo: influence of prolonged starvation. Ogihara M, et al. **Jpn J Pharmacol** 1984 Mar;34(3):307–11

Effects of anesthetics and starvation on in vivo gluconeogenesis in virgin and pregnant rats. Zorzano A, et al. **Metabolism** 1984 Jun;33(6):553–8

Mediation of insulin release by cGMP and cAMP in a starved animal model. Laychock SG. **Mol Cell Endocrinol** 1983 Oct;32(2–3):157–70

Requirement for alanine in the amino acid control of deprivation-induced protein degradation in liver. Pösö AR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4270–4

[The effect of saccharides on DNA synthesis in the intact and regenerating liver in rats refed after prior starvation] Holeček M, et al. **Cesk Gastroenterol Vyz** 1983 Nov; 37(6–7):399–406 (Eng. Abstr.) **(Cze)**

[Metabolism and nutritional status in plane crash situations without food reserves or with low-calorie rations] Popov IG, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):49–60 (Eng. Abstr.) **(Rus)**

[Energy metabolism in the liver of young and old rats during starvation] Kosenko EA, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):425–30 (Eng. Abstr.) **(Rus)**

[Effect of various periods of starvation on the character of exhibited changes of energy metabolism in the rat liver during the administration of phenobarbitol and corn oil] Solov'ev NV, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):139–42 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The neurosecretory system of the protocerebrum-corpus cardiacum complex of normal and starved adults of Schizodactylus monstrosus D. (Orthoptera: Schizodactylidae). Ghosh B, et al. **Folia Morphol (Praha)** 1983;31(4):345–50

Cellular growth of skeletal muscle in weanling rats during dietary restrictions. Glore SR, et al. **Growth** 1983 Winter; 47(4):403–10

A forensic science approach to a starved child. Davis JH, et al. **J Forensic Sci** 1984 Apr;29(2):663–9

Alterations of endocrine pancreas B cells in a sahelian reptile (Varanus exanthematicus) during starvation. Godet R, et al. **J Morphol** 1984 Jun;180(3):173–80

The effects of starvation and refeeding on intestinal cell proliferation in the mouse. Goodlad RA, et al. **Virchows Arch [Cell Pathol]** 1984;45(1):63–73

[Changes in the dendrites of the rat lateral hypothalamic region during food deprivation] Verbitskaia LB, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):91–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A comparison of starvation and elastase models of emphysema in the rat. Harkema JR, et al. **Am Rev Respir Dis** 1984 Apr;129(4):584–91

Metabolic and hormonal response to endotoxin fever in fed and starved one-week rabbits. Molnar D, et al. **Biol Neonate** 1983;44(5):309–14

Ventilatory drive in normal man during semistarvation. Baier H, et al. **Chest** 1984 Feb;85(2):222–5

The influence of acute starvation on the cardiovascular responses to lower body subatmospheric pressure or to standing in man. Bennett T, et al. **Clin Sci** 1984 Feb; 66(2):141–6

Ways of increasing human resistance to acute hypoxia. Agadzhanyan NA, et al. **Hum Physiol** 1983 Jul–Aug; 9(4):217–23

Voluntary total fasting: a challenge for the medical community. Frommel D, et al. **Lancet** 1984 Jun 30; 1(8392):1451–2

PREVENTION & CONTROL

BC physician backed by solicitor general in doukhobor force-feeding [news] **Can Med Assoc J** 1983 Oct 15; 129(8):859–60

Starvation and suffering. Meegan M. **Lancet** 1983 Dec 24–31; 2(8365–66):1506

URINE

Effects of starvation and refeeding on the excretion of urinary steroid metabolites in mice with different genetic background. Alasandro M, et al. **J Chromatogr** 1984 Jun 8;308:1–9

Urinary profile of L-carnitine and its derivatives in starved normal persons and ACTH injected patients with myopathy. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):303–12

VETERINARY

Glucose turnover and hepatocyte glucose production of starved and toxaemic pregnant sheep. Wastney ME, et al. **Aust J Biol Sci** 1983;36(3):271–84

Pathology of the antarctic fur seal (Arctocephalus gazella) in south Georgia. Baker JR, et al. **Br Vet J** 1984 Mar–Apr; 140(2):210–9

Starvation associated with dental disease in range ewes. Anderson BC, et al. **J Am Vet Med Assoc** 1984 Mar 15; 184(6):737–8

Recuperation of a severely debilitated wolf. Mech LD, et al. **J Wildl Dis** 1984 Apr;20(2):166–8

STATE DENTISTRY

HISTORY

[From County Chief Dentist to Stomatology Supervisor, Chief of Dentistry] Orsós S. **Fogorv Sz** 1984 Jun;77(6):165–9 (Eng. Abstr.) **(Hun)**

STATE GOVERNMENT see under **GOVERNMENT**

STATE HEALTH PLANNING AND DEVELOPMENT AGENCIES see under **HEALTH PLANNING ORGANIZATIONS**

STATE HEALTH PLANNING, UNITED STATES see **HEALTH PLANNING**

STATE HEALTH PLANS

Health care planning in North Carolina: migrant workers program. Fleming MF, et al. **NC Med J** 1984 Jun; 45(6):371–4

The North Carolina Arthritis Program. McCain J. **NC Med J** 1983 Nov;44(11):728–9

ORGANIZATION & ADMINISTRATION

Monitoring and assessment in maternal and child health: recommendations for action at the state level. Peoples MD, et al. **J Health Polit Policy Law** 1983 Summer;8(2):251–76

David Jackson, MD. Maintaining a dialogue [interview by Carol Wright Mullinax] Jackson D. **Ohio State Med J** 1983 Nov;79(11):817–9

STATE MEDICINE

Experimental nursing homes for elderly people in the National Health Service. Graham JM. **Age Ageing** 1983 Nov;12(4):273–4

Improving British orthodontic services [letter] **Br Dent J** 1983 Sep 24;155(6):183

Improving British orthodontic services [letter] **Br Dent J** 1983 Oct 22;155(8):259

Improving British orthodontic services [letter] **Br Dent J** 1983 Nov 5;155(9):291–2

Longitudinal study of dental treatment in the general dental service in Scotland. Elderton RJ. **Br Dent J** 1983 Aug 6; 155(3):91–6

Restrictive practices [letter] Knott NJ. **Br Dent J** 1983 Oct 8;155(7):214

Medicine in the United States [letter] **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1913

Quality assessment in health. Maxwell RJ. **Br Med J [Clin Res]** 1984 May 12;288(6428):1470–2

Political parties fight to champion NHS. Russell W. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1233

Can you measure performance? Yates JM, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1935–6

A family service unit's approach to working with child abuse. Cooke P. **Child Abuse Negl** 1982;6(4):433–41

S47 and the community physician [letter] Bush MF. **Community Med** 1983 Nov;5(4):342–3

Antenatal health care policy, services and clients in urban Papua New Guinea. Marshall LB, et al. **Int J Nurs Stud** 1984;21(1):19–34

Changing demands made by senile dementia on the National Health Service. Stilwell JA, et al. **J Epidemiol Community Health** 1984 Jun;38(2):131–3

Hearing loss—hearing aids, and some aspects of NHS provision. Brooks DN. **J R Soc Health** 1984 Feb; 104(1):39–41 (13 ref.)

Cancer and the health industry. Harrington JM. **J Soc Occup Med** 1983 Jul;33(3):114–8 (32 ref.)

Clinicians in management [letter] Chantler C. **Lancet** 1984 Jul 14;2(8394):102

Proposals for improvement of NHS care in country areas. Deitch R. **Lancet** 1984 Jun 9;1(8389):1307–8

Broken NHS appointments: millions wasted? Deitch R. **Lancet** 1984 Jun 23;1(8391):1419

Contribution of the private sector to elective surgery in England and Wales. Nicholl JP, et al. **Lancet** 1984 Jul 14; 2(8394):89–92

The patient and the NHS [letter] Reilly PA. **Lancet** 1984 Jul 28;2(8396):226

The patient and the NHS. Toynbee P. **Lancet** 1984 Jun 23; 1(8391):1399–401

The relations between the Health Service and the universities in the United Kingdom [editorial] **Med Educ** 1984 May; 18(3):131–3

Part-time training: experience in the Northern Region. Jessop EG, et al. **Public Health** 1984 May;98(3):134–8

Community Health Council representation on planning teams: a question of politics? Mullen P, et al. **Public Health** 1984 May;98(3):143–51

[Health care of the population in a socialist society] Bouček K. **Cas Lek Cesk** 1984 Feb 24;123(8):209–11 **(Cze)**

[Constitution of developed socialism and the preservation of the health of the Soviet people] **Sov Zdravookhr** 1983; (10):3–6 **(Rus)**

[Spain: democracy, economic crisis and health policy] Ortún V, et al. **Rev Sanid Hig Publica (Madr)** 1983 May–Jun; 57(5–6):603–26 (Eng. Abstr.) **(Spa)**

[Rough draft of a prototype of the Health Code] Yuste Grijalba FJ. **Rev Sanid Hig Publica (Madr)** 1983 Mar–Apr; 57(3–4):395–407 **(Spa)**

ECONOMICS

Restrictive practices [letter] Knott NJ. **Br Dent J** 1983 Oct 8;155(7):214

Budget commentary. Hepburn PF. **Br J Hosp Med** 1984 May; 31(5):375–6

Trimming fat or cutting bone? [editorial] **Br Med J [Clin Res]** 1983 Sep 17;287(6395):780

Learning to live with cash limits—and other financial matters. Greenshields G. **Br Med J [Clin Res]** 1984 May 5; 288(6427):1393–5

Decision making in the National Health Service [letter] Grimes D. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):572

Should patients have to pay for lithium? [letter] Launer MA. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):986

The NHS: efficiency need not be a dirty word. Mooney GH, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1817–8

Where does the money go—and to what effect? [editorial] Wild D. **Community Med** 1983 Aug;5(3):189–91

Staffing costs in primary health care. Saint-Yves IF. **J R Soc Health** 1984 Jun;104(3):108–10

Expensive medical techniques. Thomson WA. **J R Soc Med** 1983 Sep;76(9):796–7

Stripping the NHS of its assets? [letter] **Lancet** 1984 Aug 18;2(8399):414

More for doctors and nurses, less for NHS? Deitch R. **Lancet** 1984 May 26;1(8387):1192

How generous has this government really been to the NHS? Deitch R. **Lancet** 1984 Aug 4;2(8397):297–8

Griffiths report and clinical budgeting [letter] Draper P. **Lancet** 1984 Apr 7;1(8380):796

The economy and the national health service [letter] Grimes DS. **Lancet** 1983 Dec 24–31;2(8365–66):1496

Rationing hospital care. Lessons from Britain. Schwartz WB, et al. **N Engl J Med** 1984 Jan 5;310(1):52–6

GMS benefit [letter] Brabazon WA, et al. **NZ Med J** 1983 Dec 14;96(745):1025–6

[Mathematical model for the health budget of a population: the case of Romania] Popa I. **Sante Publique (Bucur)** 1983;

26(2):95–134 (Eng. Abstr.) (Fre)
[The physician, health and the economy] Pardell Alenta H. **Med Clin (Barc)** 1984 Jan 28;82(3):110–3 (Spa)

HISTORY

Paupers or patients? Obstacles to professionalization in the Poor Law medical service before 1914. Crowther MA. **J Hist Med Allied Sci** 1984 Jan;39(1):33–54
[Karl Marx and the founding of health politics of the revolutionary workers' movement. II. Marx's disclosure of the class content of civil health politics] Büttner L, et al. **Z Aratl Fortbild (Jena)** 1983;77(19):819–23 (Ger)
[National Health Service—the prototype of the welfare and self-governing occupational health services in Poland] Fijalek J. **Arch Hist Med (Warsz)** 1984;47(1):99–106 (Eng. Abstr.) (Pol)
[The physician–revolutionary N. A. Alekseev] Chernobrov IV. **Sov Zdravookhr** 1983;(11):57–9 (Rus)
[M. Tsetkin (on the 100th anniversary of his birth)] Korotkikh RV, et al. **Sov Zdravookhr** 1983;(11):63–6 (Rus)
[Public health in Sebastopol' in the 1st years of Soviet power (1920–1923)] Verenkina TN, et al. **Sov Zdravookhr** 1983;(11):54–7 (Rus)

LEGISLATION & JURISPRUDENCE

The need for compassion. Mackintosh CE. **Br J Hosp Med** 1984 Jul;32(1):45
The British National Health Service under the Conservatives. Iglehart JK. **N Engl J Med** 1983 Nov 17;309(20):1264–8

MANPOWER

Medical staffing in the National Health Service in Scotland. Howitt LF. **Health Bull (Edinb)** 1984 Jul;42(4):209–18
Clinical medical officers in the future. Brittain RD, et al. **J R Soc Health** 1983 Dec;103(6):236–8

ORGANIZATION & ADMINISTRATION

NHS management inquiry. Small, central management board recommended. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1391–3
Business management for the NHS? [editorial] **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1321–2
Are there lessons from abroad for the NHS? Allen D. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):265–8
Green College lectures: 1984. Medicine in eastern Europe. Brod J. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1288–92
Professional advice to the National Health Service—the medium or the message? Bussey A. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):204–6
The consultant's role in NHS management. Chawner J. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1816–8
Inpatient waiting: a discussion and policy proposal. Cullis JG, et al. **Br Med J [Clin Res]** 1983 Nov 12; 287(6403):1483–6
Two views on the Griffiths report. The mobilisation of consent versus the management of conflict: decoding the Griffiths report. Day P, et al. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1813–6
Inequalities in health: can they be corrected? Dearden RW. **Br Med J [Clin Res]** 1984 May 26;288(6430):1625–7
Decision making in the National Health Service. Golding AM. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):203–7
Perspectives in NHS management. Doctors have management responsibilities too. Grimes DS. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):390–2
Who makes the decisions in the NHS? Klein R. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1706–8
Private practice: answer or irrelevance? Maynard A. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1849–51
Current issues in administration: a more centralised bureaucracy? Nicol DK. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1317–9
Clinical budgeting and costing—friend or foe? Steele R. **Br Med J [Clin Res]** 1984 May 19;288(6429):1549–51
Role of health authorities: deceptively simple? Wood B. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1771–2, 1775
Total care for rheumatic disorders in an integrated health care system. Bjelle A, et al. **Clin Rheumatol** 1983 Sep; 2(3):207–16
The national health service and its administration. **Community Med** 1983 Nov;5(4):336–41
Griffiths—the future for community physicians and community medicine. McQuillan WJ. **Community Med** 1984 Feb;6(1):3–6
Tradition of basics. Tiered health care meets the needs of the People's Republic of China. Newkirk DR. **Hospitals** 1983 Nov 16;57(22):80–1, 84
The politics of management in health care: a British perspective. Haywood SC. **J Health Polit Policy Law** 1983 Fall;8(3):424–43
The push for reprivatization of health care services in Canada, Britain, and the United States. Weller GR, et al. **J Health Polit Policy Law** 1983 Fall;8(3):495–518
Under new management: Fowler and Griffiths [editorial] **Lancet** 1983 Nov 5;2(8358):1067
NHS management inquiry. **Lancet** 1984 Feb 18;1(8373):384–5
Deputising services in NHS general practice [editorial] **Lancet** 1984 Feb 18;1(8373):377
Practising doctors should not manage. Chant AD. **Lancet** 1984 Jun 23;1(8391):1398
Mr Fowler defends his stewardship of NHS. Deitch R. **Lancet** 1984 Jun 30;1(8392):1480
Functions of the General Medical Council [letter] Towers PL. **Lancet** 1984 Jun 30;1(8392):1473
NHS management experiments [letter] Warlow CP. **Lancet** 1983 Nov 26;2(8361):1253
The politics of ideology vs. the reality of politics: the case of Britain's National Health Service in the 1980s. Klein R. **Milbank Mem Fund Q** 1984 Winter;62(1):82–109
The British National Health Service under the Conservatives—Part II. Iglehart JK. **N Engl J Med** 1984 Jan 5;310(1):63–7
NHS management inquiry. **Physiotherapy** 1984 Feb; 70(2):67–74
[Provincial health administration] Francia Viña JM. **Rev Sanid Hig Publica (Madr)** 1983 Mar–Apr;57(3–4):305–7 (Spa)

TRENDS

Tobacco smoking addiction: a challenge to the National Health Service. Webster C. **Br J Addict** 1984 Mar; 79(1):7–16
Open letter to the new CMO [editorial] **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1903–5
Socialized medicine in Sweden: a tragedy? Racette D. **Can Med Assoc J** 1983 Oct 1;129(7):769–70
Canada's modern Joan of Arc and those naughty Brits [editorial] Woods D. **Can Med Assoc J** 1984 Feb 1; 130(3):251
A clinician looks at the NHS. Goldberg A. **Health Bull (Edinb)** 1984 Jul;42(4):163–9
Trends in the utilization of the National Health Service [editorial] Metcalfe D. **J R Coll Gen Pract** 1983 Oct; 33(255):615–7
Consumer attitudes to health services in a specific health care district (East Dorset). Gumbley M. **J R Soc Health** 1984 Apr;104(2):75–80
The British National Health Service [letter] **N Engl J Med** 1984 Jun 21;310(25):1672–4
Choice and change in health care in Britain. Russell EM. **Soc Sci Med** 1984;18(1):27–40 (91 ref.)
Medicine in the Union of Soviet Socialist Republics. Hill SR Jr. **Trans Am Clin Climatol Assoc** 1983;95:163–9

STATISTICS

see related
BIOMETRY
PSYCHOMETRICS
SOCIOMETRIC TECHNICS

Application of statistics and frequency of statistical errors in articles in acta neurochirurgica. Hoffmann O. **Acta Neurochir (Wien)** 1984;71(3–4):307–15
Importance of sample size for statistical significance [letter] Marinelli D, et al. **AJR** 1984 Oct;143(4):923–4
Correlations between body mass indices: W/H and W/H2 [letter] Downs TD, et al. **Am J Clin Nutr** 1984 May; 39(5):843–4
A common misuse of multiple comparison procedures in data analysis [letter] Meredith MP. **Am J Clin Nutr** 1984 May; 39(5):844–6
Multiple statistical comparisons in nutritional research [letter] Ried M, et al. **Am J Clin Nutr** 1984 Jul;40(1):183–4
A method for the rapid assessment of sample size of dietary studies [letter] West KP Jr. **Am J Clin Nutr** 1984 Jul; 40(1):185–6
Discriminant analysis. Brown GW. **Am J Dis Child** 1984 Apr; 138(4):395–400
Statistical presentation [letter] Katz SK. **Am J Dis Child** 1984 Jan;138(1):101
Statistical error [letter] Lorin M, et al. **Am J Dis Child** 1984 Feb;138(2):206–7
Determination of minimal detectable values of familial correlations. Donner A. **Am J Epidemiol** 1984 Apr; 119(4):642–9
The Mantel–Haenszel estimator in case–control studies with varying numbers of controls matched to each case. Fleiss JL. **Am J Epidemiol** 1984 Jul;120(1):1–3
Clustering of disease in population units: an exact test and its asymptotic version. Fraser DW. **Am J Epidemiol** 1983 Nov;118(5):732–9
On graphing rate ratios. Gladen BC, et al. **Am J Epidemiol** 1983 Dec;118(6):905–8
Application of a capture–recapture method (the Bernoulli census) to historical epidemiology. Neugebauer R. **Am J Epidemiol** 1984 Oct;120(4):626–34
Determinants of birth weight [letter] Burch PR. **Am J Obstet Gynecol** 1983 Oct 15;147(4):473–4
A 'tempest' over t–tests. Ottenbacher K. **Am J Occup Ther** 1983 Oct;37(10):700–2
Some statistical and experimental considerations in the use of the analysis–of–variance procedure. Denenberg VH. **Am J Physiol** 1984 Apr;246(4 Pt 2):R403–8 (7 ref.)
Multiexponential, multicompartmental, and noncompartmental modeling. II. Data analysis and statistical considerations. Landaw EM, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R665–77
Small area statistics: large statistical problems [editorial] Diehr P. **Am J Public Health** 1984 Apr;74(4):313–4
Metrics from nonlinear dynamics adapted for characterizing the behavior of nonequilibrium enzymatic rate functions. Russo PV, et al. **Anal Biochem** 1984 May 15;139(1):91–9
Analysis of ligand–binding data by lambda invariance testing. Tibbitts T, et al. **Anal Biochem** 1984 May 1;138(2):472–80
Methods for decreasing the statistical variance of stereological estimates. Bolender RP. **Anat Rec** 1983 Sep; 207(1):89–106
Is nothing certain with small sample sizes? [letter] Lerman J. **Anesthesiology** 1984 Aug;61(2):219–20
Evaluating the medical literature. Part II: Statistical analysis. Elenbaas RM, et al. **Ann Emerg Med** 1983 Oct; 12(10):610–20
Sample–size nomograms [letter] Clarke DD. **Ann Intern Med** 1983 Dec;99(6):875–6
Multiple testing of hypotheses in comparing two groups. Cupples LA, et al. **Ann Intern Med** 1984 Jan;100(1):122–9
Bayesian and non–Bayesian methods of inference. Small RD, et al. **Ann Intern Med** 1983 Dec;99(6):857–9
Principal components analysis as a tool for the optimization of experimental conditions. Smeyers–Verbeke J, et al. **Arch Int Physiol Biochim** 1983 Dec;91(5):433–41
Misuse of statistical methods in Arthritis and Rheumatism. 1982 versus 1967–68. Felson DT, et al. **Arthritis Rheum** 1984 Sep;27(9):1018–22
A comment on Freixa i Baqué's 'reliability of electrodermal measures: a compilation'. Vossel G. **Biol Psychol** 1984 Feb; 18(1):41–7
Early stopping for sequential restricted tests of binomial distributions. Dambrosia JM, et al. **Biometrics** 1983 Sep; 39(3):695–710
Inferences concerning a common intraclass correlation coefficient. Donner A, et al. **Biometrics** 1983 Sep; 39(3):771–5
The relation between score tests and approximate UMPU tests in exponential models common in biometry. Gart JJ, et al. **Biometrics** 1983 Sep;39(3):781–6
A comparison of two methods of discriminant analysis applied to binary data. Hand DJ. **Biometrics** 1983 Sep; 39(3):683–94
A comparison of test statistics for assessing the effects of concomitant variables in survival analysis. Lee KL, et al. **Biometrics** 1983 Jun;39(2):341–50
The appropriateness of analysis of variance and multiple–comparison procedures. O'Brien PC. **Biometrics** 1983 Sep;39(3):787–94
Rank analysis of covariance with right–censored data. Woolson RF, et al. **Biometrics** 1983 Sep;39(3):727–33
Robust estimation in pulse fluorometry. A study of the method of moments and least squares. Isenberg I. **Biophys J** 1983 Aug;43(2):141–8
The decomposition of multitrait–multimethod matrices. Browne MW. **Br J Math Stat Psychol** 1984 May;37 (Pt 1):1–21
Asymptotically distribution–free methods for the analysis of covariance structures. Browne MW. **Br J Math Stat Psychol** 1984 May;37 (Pt 1):62–83
Invariance in time series representations of 2–input 2–output psychophysical experiments. Gregson RA. **Br J Math Stat Psychol** 1984 May;37 (Pt 1):100–21
Coefficients of agreement. Dewey ME. **Br J Psychiatry** 1983 Nov;143:487–9
The use of sequential analysis to assess patient preference for local skin anaesthesia during knee aspiration. Kirwan JR, et al. **Br J Rheumatol** 1984 Aug;23(3):210–3
Reporting of significance levels versus Pearson's correlation coefficient [letter] Kirwan JR. **Br J Rheumatol** 1984 Aug; 23(3):232–3
Doubts about linear analogue scales [letter] Hall J, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):498–9
Statistical ritual in clinical journals: is there a cure?—I. Mainland D. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):841–3
Statistical ritual in clinical journals: is there a cure?—II. Mainland D. **Br Med J [Clin Res]** 1984 Mar 24; 288(6421):920–2
A statistical method for the estimation of neuronal response latency and its functional interpretation. Seal J, et al. **Brain Res** 1983 Nov 14;278(1–2):382–6
Comparing survival distributions: a review for nonstatisticians. II. Muenz LR. **Cancer Invest** 1983; 1(6):537–45
Comparing survival distributions: a review for nonstatisticians. I. Muenz LR. **Cancer Invest** 1983; 1(5):455–66
Predictive tests for the response to cancer chemotherapy: limitations related to the prediction of rare events. Rozencweig M, et al. **Cancer Treat Rep** 1984 Apr; 68(4):611–3
Statistical methods of detection of a periodic phenomenon in a short series. Example of application: a density series of nematode eggs – II. Jacob C, et al. **Chronobiologia** 1983 Oct–Dec;10(4):351–73
Clinical acceptance of a multi–test reference region for biochemical–panel results. Durbridge TC. **Clin Chem** 1983 Oct;29(10):1724–6
Long–term retrospective control procedures for monitoring analytical performance of laboratory instruments. Gozzo ML, et al. **Clin Chem** 1984 Jan;30(1):145–9
How to improve estimates of imprecision. Krouwer JS, et al. **Clin Chem** 1984 Feb;30(2):290–2
A comment on social class analysis [editorial] Alderson M. **Community Med** 1984 Feb;6(1):1–3
Analysis of circadian rhythms by fitting a least squares sine curve. Hickey DS, et al. **Comput Biol Med** 1984;

14(2):217–23
Modified Bayes technique in sequential clinical trials. Percus OE, et al. **Comput Biol Med** 1984;14(2):127–34
Sample size graphs for 'proving the null hypothesis'. Blackwelder WC, et al. **Controlled Clin Trials** 1984 Jun; 5(2):97–105
The Coronary Drug Project. Further aspects of data analysis. Canner PL. **Controlled Clin Trials** 1983 Dec;4(4):485–503
Two-stage plans for the testing of binomial parameters. De With C. **Controlled Clin Trials** 1983 Sep;4(3):215–26
On the frequentist and likelihood controversy over sequential stopping rules in clinical trials [letter] Herson J. **Controlled Clin Trials** 1983 Sep;4(3):261–3
Comments on Dupont's article on sequential stopping rules [letter] Whitehead J. **Controlled Clin Trials** 1983 Sep; 4(3):259–60
Population redistribution and changes in the size–density slope. Stephan GE, et al. **Demography** 1984 Feb;21(1):35–40
In defense of statistical significance with multivariate analysis [letter] Linn MW. **Diabetes Care** 1982 Sep–Oct;5(5):553–4
Statistical analysis of polymorphic drug metabolism data using the Rosin Rammler Sperling Weibull distribution. Jack DB. **Eur J Clin Pharmacol** 1983;25(4):443–8
Reflections on controlled clinical trials in surgery: a plea for clinical, not only for statistical criteria. Invited comment. Lorenz W. **Eur Surg Res** 1984;16(1):7–8
Statistical analysis of structure–activity relationships. Daniels KL, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):350–2
Statistical decision rule in declaring a compound 'carcinogenic' [letter] Salsburg DS. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):288–92
Critical analysis of the applicability of the Gompertz–Makeham law in human populations. Pakin YuV, et al. **Gerontology** 1984;30(1):8–12
Computation of sample size for comparing two proportions. Radhakrishna S. **Indian J Med Res** 1983 Jun;77:915–9
Tabular and diagrammatic presentation of bi-variate data. Ramachandran K. **Indian J Pediatr** 1983 Sep–Oct; 50(406):537–40
Model-free deconvolution techniques for estimating vascular transport functions. Bronikowski TA, et al. **Int J Biomed Comput** 1983 Sep;14(5):411–29
Computational methods for the screening of pharmacokinetic parameters in metabolism experiments. Edler L, et al. **Int J Biomed Comput** 1983 Sep;14(5):369–80
Elementary methods of cohort analysis. Breslow NE. **Int J Epidemiol** 1984 Mar;13(1):112–5
Methodological issues in case–control studies: II. Test statistics as measures of efficiency. Choi BC, et al. **Int J Epidemiol** 1984 Jun;13(2):229–34
Unnecessary stratification/pairing can never increase efficiency—a mathematical proof [letter] Choi BG. **Int J Epidemiol** 1984 Mar;13(1):116–7
The role of the statistician. Dobson AJ. **Int J Epidemiol** 1983 Sep;12(3):274–5
Statistical analysis of response slopes [letter] Daubenspeck JA. **J Appl Physiol** 1983 Sep;55(3):1044
Fundamentals of statistics for orthopaedists: Part I. Santner TJ. **J Bone Joint Surg [Am]** 1984 Mar;66(3):468–71
Fundamentals of statistics for orthopaedists: Part II. Santner TJ, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):794–9 (17 ref.)
Origin and characterization of departures from the statistical model of component-peak overlap in chromatography. Davis JM, et al. **J Chromatogr** 1984 Apr 27;289:277–98
Use of the one sample t-test in the real world. Cressie NA, et al. **J Chronic Dis** 1984;37(2):107–14
The use of correlation coefficients in epidemiologic analysis [letter] Mulder PG. **J Chronic Dis** 1984;37(6):503
Illusion and reality: practical pitfalls in interpreting clinical trials. Glatstein E, et al. **J Clin Oncol** 1984 May;2(5):488–97
Measuring repeatability and validity of histological diagnosis—a brief review with some practical examples. Silcocks PB. **J Clin Pathol** 1983 Nov;36(11):1269–75
Contrast enhancement: diagnostic significance from a statistical viewpoint. Dean PB, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):314–8
Simple exact analysis of the standardised mortality ratio. Liddell FD. **J Epidemiol Community Health** 1984 Mar; 38(1):85–8
A method for estimating the population at risk in primary care practices by applying correction factors to the active patient census. Cherkin DC, et al. **J Fam Pract** 1984 Sep; 19(3):355–63
Experimental designs and statistical analysis: an important aspect of scientific communication. Lusk EJ. **J Gerontol** 1983 Nov;38(6):642–4
On statistical tests of significance in studies of survivorship in laboratory animals. Mode CJ, et al. **J Gerontol** 1984 Jan; 39(1):36–42
An evaluation of the use of statistical methodology in the Journal of Infectious Diseases. MacArthur RD, et al. **J Infect Dis** 1984 Mar;149(3):349–54
A statistical method for the analysis of quantitative thin-film X-ray microanalytical data. Blake DF, et al. **J Microsc** 1983 Aug;131 (Pt 2):249–55
Statistical significance of molecule projections by single particle averaging. Haenicke W, et al. **J Microsc** 1984 Feb; 133 (Pt 2):223–38
A quantitative method for the estimation of the degree of uniformity and isotropy of the structures of the central nervous system in cytoarchitectonic preparations. Kovbasa SI, et al. **J Neurosci Methods** 1984 Apr;10(4):293–309
The statistically simple study: a guide for thesis advisers. Jackson NE. **J Nurs Educ** 1983 Oct;22(8):351–4
An analysis of the relationship of seven selected variables to State Board Test Pool Examination performance of the University of Tennessee, Knoxville, College of Nursing. Sharp TG. **J Nurs Educ** 1984 Feb;23(2):57–63
Quetelet index [letter] Van Peenen PF, et al. **J Occup Med** 1984 Feb;26(2):74
Statistical indiscretion [letter] Lee ML. **JAMA** 1983 Nov 11; 250(18):2470
Multivariate analysis [letter] Soong S, et al. **JAMA** 1983 Nov 11;250(18):2471–2
Graft survival after renal transplantation: agenda for analysis. Gore SM. **Kidney Int** 1983 Oct;24(4):516–25
Mathematical and statistical aids to evaluate data from renal patients. Knapp MS, et al. **Kidney Int** 1983 Oct;24(4):474–86
Statistical approaches to the analysis of receiver operating characteristic (ROC) curves. McNeil BJ, et al. **Med Decis Making** 1984;4(2):137–50
Application of the microcomputer to the estimation of infant and childhood mortality by indirect techniques. Lun KC. **Med Inf (Lond)** 1984 Jan–Mar;9(1):1–13
Nonstandard deviations. Goitein M. **Med Phys** 1983 Sep–Oct; 10(5):709–11
On multivariate methods in data reduction and detection of high order interactions—application to factors causing the large fetus. Moussa MA, et al. **Methods Inf Med** 1983 Oct; 22(4):214–7
Explanations of statistical concepts: can they penetrate the haze of Bayes? Politser PE. **Methods Inf Med** 1984 Apr; 23(2):99–108
Federal statistical coordination today: a disaster or a disgrace? Bonnen JT. **Milbank Mem Fund Q** 1984 Winter; 62(1):1–41
Comment: federal statistical coordination. Dunlop JT. **Milbank Mem Fund Q** 1984 Winter;62(1):48–52
Comment: the democracy of facts. Richardson EL. **Milbank Mem Fund Q** 1984 Winter;62(1):42–7
Statistical analysis in the New England Journal of Medicine [letter] Boyer WF. **N Engl J Med** 1984 Mar 8;310(10):659
Designs for experiments—parallel comparisons of treatment. Lavori PW, et al. **N Engl J Med** 1983 Nov 24; 309(21):1291–9
Analyzing data from ordered categories. Moses LE, et al. **N Engl J Med** 1984 Aug 16;311(7):442–8
Re: Meta-analysis [letter] **Nurs Res** 1984 Mar–Apr;33(2):86–7
Testing for experimental effects in the pretest–posttest design. Egger MJ, et al. **Nurs Res** 1984 Sep–Oct;33(5):306–12
The use of power estimation in nursing research. Goodwin LD. **Nurs Res** 1984 Mar–Apr;33(2):118–20
Increasing efficiency and precision of data analysis: multivariate vs. univariate statistical techniques. Goodwin LD. **Nurs Res** 1984 Jul–Aug;33(4):247–9
Computer communication. Krebs DE. **Phys Ther** 1984 Jul; 64(7):1102,1106,1108–9
Ascertainment and goodness of fit of variance component models for pedigree data. Boehnke M, et al. **Prog Clin Biol Res** 1984;147:173–92
Recent developments in SEDA. Karlin S, et al. **Prog Clin Biol Res** 1984;147:317–23
Segregation analysis: a gene or not a gene. . . Lalouel JM. **Prog Clin Biol Res** 1984;147:217–43 (60 ref.)
Some methodological developments in genetic epidemiology. Li CC. **Prog Clin Biol Res** 1984;147:159–72
Structured exploratory data analysis: an evaluation of the use of three SEDA statistics in assessing mode of inheritance. MacCluer JW, et al. **Prog Clin Biol Res** 1984; 147:297–315
Methods for the analysis of time to failure data. Prentice RL. **Prog Clin Biol Res** 1983;132E:69–79
The role of path analysis in coronary heart disease research. Rao DC, et al. **Prog Clin Biol Res** 1984;147:193–212
A scheme for assessing measurement sensitivity in program evaluation and other applied research. Lipsey MW. **Psychol Bull** 1983 Jul;94(1):152–65
Missing data in psychiatric research: a solution. Welch WP, et al. **Psychol Bull** 1983 Jul;94(1):177–80
The syndrome concept: history and statistical operationalizations. Weber AC, et al. **Psychol Med** 1984 May;14(2):315–25
Surgeons General's reports on smoking and cancer: uses and misuses of statistics and of science [letter] Hickey RJ, et al. **Public Health Rep** 1983 Sep–Oct;98(5):410–1
'Robust' statistical methods [editorial] Liestol K. **Scand J Clin Lab Invest** 1984 May;44(3):177–81
Prognostic factors for non-cleaved follicular center-cell lymphomas and immunoblastic sarcoma. A Bayesian approach. Aine R, et al. **Scand J Haematol** 1984 May; 32(5):475–87
Some remarks on the operation of biases. Nurminen M. **Scand J Work Environ Health** 1983 Oct;9(5):377–83
Statistical methods for analyzing effects of temporal patterns of exposure on cancer risks. Thomas DC. **Scand J Work Environ Health** 1983 Aug;9(4):353–66
Bibliography. Publications (in English) of Sir Austin Bradford Hill. **Stat Med** 1982 Oct–Dec;1(4):369–75
Discriminant analysis based on multivariate response curves: a descriptive approach to dynamic allocation. Albert A. **Stat Med** 1983 Jan–Mar;2(1):95–106
Statistics in medical journals. Altman DG. **Stat Med** 1982 Jan–Mar;1(1):59–71
Clinical trials designed to evaluate therapeutic preferences. Baskerville JC, et al. **Stat Med** 1984 Jan–Mar;3(1):45–55
Analysis of survival data by the proportional odds model. Bennett S. **Stat Med** 1983 Apr–Jun;2(2):273–7
The analysis using GENSTAT of anaemia, sugar intake and quetelet's index as prognostic indicators in women. Campbell MJ. **Stat Med** 1983 Apr–Jun;2(2):223–8
A study of three techniques for time–space clustering in Hodgkin's disease. Chen R, et al. **Stat Med** 1984 Apr–Jun; 3(2):173–84
The Leicestershire Perinatal Mortality Study: a case study of multi-group discriminant analysis with complex sampling. Clayton DG. **Stat Med** 1983 Apr–Jun;2(2):229–42
The logistic function as an aid in the detection of acute coronary disease in emergency patients (a case study). D'Agostino RB, et al. **Stat Med** 1982 Jan–Mar;1(1):41–8
Clinical trials: retrospect and prospect. Doll R. **Stat Med** 1982 Oct–Dec;1(4):337–44
The questioning statistician. Finney DJ. **Stat Med** 1982 Jan–Mar;1(1):5–13
Between medicine and law. Finney DJ. **Stat Med** 1983 Apr–Jun;2(2):113–21
Multicentre clinical trials: Bradford Hill's contributions and some subsequent developments. Fleiss JL. **Stat Med** 1982 Oct–Dec;1(4):353–9
Tables of the number of patients required in clinical trials using the logrank test. Freedman LS. **Stat Med** 1982 Apr–Jun;1(2):121–9
Interpretation and estimation of summary ratios under heterogeneity. Greenland S. **Stat Med** 1982 Jul–Sep; 1(3):217–27
Tests for interaction in epidemiologic studies: a review and a study of power. Greenland S. **Stat Med** 1983 Apr–Jun; 2(2):243–51 (34 ref.)
Clinical trials: some reflections. Holland WW, et al. **Stat Med** 1982 Oct–Dec;1(4):361–8
Statistical guidelines for medical journals. Johnson T. **Stat Med** 1984 Apr–Jun;3(2):97–9
The analysis of repeated measures designs in medical research. Keselman HJ, et al. **Stat Med** 1984 Apr–Jun; 3(2):185–95
Some non-parametric and categorical data analyses for a change-over design study and discussion of apparent carry-over effects. Koch GG, et al. **Stat Med** 1983 Jul–Sep; 2(3):397–412
A distribution-free test for paired growth curve analyses with application to an animal tumour immunotherapy experiment. Koziol JA, et al. **Stat Med** 1982 Jan–Mar; 1(1):83–9
Bradford Hill's influence on epidemiology. Lilienfeld AM. **Stat Med** 1982 Oct–Dec;1(4):325–8
The logistic analysis of epidemiologic prospective studies: investigation by simulation. Lilienfeld DE, et al. **Stat Med** 1984 Jan–Mar;3(1):15–26
On choosing the number of interim analyses in clinical trials. McPherson K. **Stat Med** 1982 Jan–Mar;1(1):25–36
Strategies for analysing ecological health data: models of the biological risk of individuals. Manton KG, et al. **Stat Med** 1982 Apr–Jun;1(2):163–81
Simplified computation of the multivariate permutation test for arbitrarily censored survival data. Marcuson R. **Stat Med** 1983 Jul–Sep;2(3):327–30
Measuring the correlation between time series of hormonal data. Marks RG. **Stat Med** 1982 Jan–Mar;1(1):49–57
Prognostic factors and risk groups: some results given by using an algorithm suitable for censored survival data. Marubini E, et al. **Stat Med** 1983 Apr–Jun;2(2):295–303
On the use of logrank scores in the analysis of litter-matched data on time to tumour appearance. Michalek JE, et al. **Stat Med** 1983 Jul–Sep;2(3):315–26
The need for randomization in the study of intended effects. Miettinen OS. **Stat Med** 1983 Apr–Jun;2(2):267–71
Use of a designed experiment for the study of muscle fibre size. Morton RH. **Stat Med** 1982 Apr–Jun;1(2):139–43
Statistical consulting in clinical research: the two-way street. Moses L, et al. **Stat Med** 1984 Jan–Mar;3(1):1–5
Comparison of models for survival data. Oakes D. **Stat Med** 1983 Apr–Jun;2(2):305–11
Age, period and cohort models applied to cancer mortality rates. Osmond C, et al. **Stat Med** 1982 Jul–Sep;1(3):245–59
Case definition and power in case–control studies. Rosenbaum PR. **Stat Med** 1984 Jan–Mar;3(1):27–34
The performance of logistic discrimination on myocardial infarction data, in comparison with some other discriminant analysis methods. Schmitz PI, et al. **Stat Med** 1983 Apr–Jun;2(2):199–205
The clinician and the statistician. Schoolman HM. **Stat Med** 1982 Oct–Dec;1(4):311–6
A non-parametric graphical representation of the relationship between survival and the occurrence of an event: application to responder versus non-responder bias. Simon R, et al. **Stat Med** 1984 Jan–Mar;3(1):35–44
Third variable analysis: application to causal sequences among nutrient intake, maternal weight, birthweight, placental weight, and gestation. Susser M, et al. **Stat Med** 1982 Apr–Jun;1(2):105–20
Statistical analysis of gait patterns of persons with cerebral palsy. Wong MA, et al. **Stat Med** 1983 Jul–Sep;2(3):345–54
Mantel–Haenszel statistics and direct standardization. Woolson RF, et al. **Stat Med** 1982 Jan–Mar;1(1):37–9
A simple method for estimating the contraceptive prevalence required to reach a fertility target. Bongaarts J.

Stud Fam Plann 1984 Jul–Aug;15(4):184–90
Validity and reliability of trends in suicide statistics. Sainsbury P. **World Health Stat Q** 1983;36(3–4):339–48 **(Eng, Fre)**
Methods for the evaluation and analysis of health expenditure. Sandier S. **World Health Stat Q** 1983; 36(1):47–61 **(Eng, Fre)**
[Application of statistics in gynecology obstetrics. I. Statistical analysis and designs for experiment] Yang Q. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):53–5 **(Chi)**
[Chi-squared test] Tang DL.
Chung Hua I Hsueh Tsa Chih 1984 Jan;64(1):50–3 **(Chi)**
[The significance of difference] Tang DL.
Chung Hua I Hsueh Tsa Chih 1983 Jun;63(6):390–2 **(Chi)**
[2 alternative hypotheses of chi-square test for 2xk tables] Hu KZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):141–3 (Eng. Abstr.) **(Chi)**
[Statistical test between two constituent ratios in the same group] Huang ZN.
Chung Hua Yu Fang I Hsueh Tsa Chih 1983 Sep; 17(5):289–91 (Eng. Abstr.) **(Chi)**
[Testing method of rank data in the design of paired comparison] Li FL.
Chung Hua Yu Fang I Hsueh Tsa Chih 1983 Nov; 17(6):336–8 (Eng. Abstr.) **(Chi)**
[Application of the paired chi-square test] Li WW, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan;18(1):18–9 (Eng. Abstr.) **(Chi)**
[Normality test and procedure for calculating skewness and kurtosis] Xu DF.
Chung Hua Yu Fang I Hsueh Tsa Chih 1983 Nov; 17(6):321–3 (Eng. Abstr.) **(Chi)**
[Multi-criteria synthetic analysis of orthogonal, complemental and duplicate tests] Pei DK.
Chung Yao Tung Pao 1984 Jan;9(1):48–50, 34 **(Chi)**
[Biometric evaluation of therapeutic procedures] Mikulecký M. **Vnitr Lek** 1983 Dec;29(12):1147–53 (Eng. Abstr.) **(Cze)**
[A method for calculating type 2 errors using non-parametric statisticals tests] Arnfred T. **Ugeskr Laeger** 1983 Aug 1; 145(31):2358–61 (Eng. Abstr.) **(Dan)**
[Regression to the mean] Rümke CL.
Ned Tijdschr Geneeskd 1984 Jan 28;128(4):158–60 **(Dut)**
[Incidence and prevalence] Rümke CL.
Ned Tijdschr Geneeskd 1983 Sep 3;127(36):1628–31 **(Dut)**
[Use and abuse of rating scales and statistics in psychopharmacology] Hamilton M. **Acta Psychiatr Belg** 1983 Mar–Apr;83(2):155–62 (Eng. Abstr.) **(Fre)**
[Structural relations in the comparison of methods in clinical chemistry. Application to the study of bias between a centrifugal analysis (Cobas) and the Kodak–Ektachem method] Auget JL, et al. **Ann Biol Clin (Paris)** 1984; 42(3):199–205 (Eng. Abstr.) **(Fre)**
[Information theory. Standardization of a method for statistical analysis in the diagnostic evaluation of alternative instrumental tests] Vitulo F, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):381–5 (Eng. Abstr.) **(Fre)**
[ROC analysis: an aid in medical decisions] Beuscart R, et al. **LARC Med** 1983 Apr;3(4):247–8, 251–3 (5 ref.) (Eng. Abstr.) **(Fre)**
[Statistics relating to problems of smoking addiction] Lennes G. **Rev Med Liege** 1983 Sep 1;38(17):643–7 **(Fre)**
[Distribution-independent statistical methods—application without distribution assumption] Schumacher M.
Fortschr Med 1983 Sep 22;101(36):1595–8 **(Ger)**
[Statistical problems in comparative clinical chemistry analysis methods] Haeckel R.
J Clin Chem Clin Biochem 1984 Mar;22(3):265–70 (Eng. Abstr.) **(Ger)**
[Possibilities and limits of formulating health risks from a mathematico-statistical perspective] Rutsch M.
Off Gesundheitswes 1983 Oct;45 Suppl 1:33–48 **(Ger)**
[Several suggestions on the statistical handling of small-volume observation data] Biebler KE, et al.
Z Arztl Fortbild (Jena) 1984;78(6):243–7 **(Ger)**
[A reference system for disease statistics] Scholz RD, et al. **Z Arztl Fortbild (Jena)** 1984;78(2):73–4 **(Ger)**
[Statistical data in medical papers—problems and solutions (editorial)] Weitzman S. **Harefuah** 1984 Mar 1; 106(5):229–30 **(Heb)**
[Introductory course on statistical methods in epidemiology] Bobbio M. **G Ital Cardiol** 1984 Mar;14(3):206–16 **(Ita)**
[Methods for estimating the normal range using density function] Nakanishi M, et al. **Rinsho Byori** 1983 Dec; 31(12):1361–5 **(Jpn)**
[Choice of diagnostic procedures: the 'Bias' method] Waaler HT, et al. **Nord Med** 1983;98(10):246–7 **(Nor)**
[How many persons do we need for clinical trials? Analysis of the 2 x 2 table] Vollset SE. **Tidsskr Nor Laegeforen** 1983 Nov 30;103(33):2219–21 (Eng. Abstr.) **(Nor)**
[The physician and statistics (editorial)] Sauaia N.
Arq Bras Cardiol 1983 Jul;41(1):1–3 **(Por)**
[Data analysis (a methodological note on the analysis of principal components)] Moreira MP.
Rev Port Estomatol Cir Maxilofac 1982 Oct–Dec; 23(4):437–45 **(Por)**
[Method of analyzing statistical health data] Notkin EL.
Gig Sanit 1983 Aug;(8):36–8 (0 ref.) **(Rus)**
[Rapid dispersion analysis in hygiene research] Zhizhin KS.
Gig Sanit 1983 Jun;(6):56–7 **(Rus)**
[Statistical analysis of the results of radionuclide studies using small computers] Sokol NI, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):55–61 (Eng. Abstr.) **(Rus)**
[Current methods in automated statistical analysis] Praganov D, et al. **Probl Khig** 1983;8:150–4 (Eng. Abstr.) **(Rus)**
[Parametric analysis of the survival time of irradiated animals] Kadyrova NO, et al. **Radiobiologiia** 1984 Mar–Apr; 24(2):267–9 (Eng. Abstr.) **(Rus)**
[Statistical analysis methods in the work of the military physician (test of hypotheses on risk factors using parametric statistical methods)] Degtiarev AA, et al.
Voen Med Zh 1984 Jul;(7):67–70 **(Rus)**
[The ethics of medical statistics] Kulčar Z, et al.
Lijec Vjesn 1983 Nov–Dec;105(11–12):488–90 (Eng. Abstr.) **(Scr)**
[Statistics in experimental design (editorial)] Sentís Vilalta J. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):47–8 **(Spa)**

METHODS

The Collaborative Lipid Research Clinics Program Family Study. III. Transformations and covariate adjustments of lipid and lipoprotein levels. Green PP, et al.
Am J Epidemiol 1984 Jun;119(6):959–74
Estimating disease rates from a diagnostic test. Yanagawa T, et al. **Am J Epidemiol** 1984 Jun;119(6):1015–23
The interpretation of significance tests for independent and dependent samples. Krauth J. **J Neurosci Methods** 1983 Dec;9(4):269–81 (13 ref.)
Recovering the parameters of finite mixtures of normal distributions from a noisy record: an empirical comparison of different estimating procedures. Ling L, et al.
J Neurosci Methods 1983 Aug;8(4):309–33
Confirmatory and exploratory analysis applied to pharmaco-EEG and related study data: contradiction or useful enrichment? Ferner U, et al. **Neuropsychobiology** 1983;9(2–3):182–92
Methods and problems of prediction. Krauth J.
Neuropsychobiology 1983;9(2–3):147–53 (62 ref.)
A statistical method for determining the suitability for cosmetic surgery [editorial] Christ JE.
Plast Reconstr Surg 1984 Jan;73(1):124–5
A statistical modelling approach to community prevalence data. Knuiman MW, et al. **Psychol Med** 1984 Feb; 14(1):167–73
[A method of non-parametric evaluation of one-dimensional continuous distribution density] Schmerling S, et al.
Gegenbaurs Morphol Jahrb 1983;129(5):635–47 (Eng. Abstr.) **(Ger)**
[Evaluation and comparison of means taking into account the variability of primary measurable objects and individual differences] Potapova IG, et al.
Arkh Anat Gistol Embriol 1983 Sep;85(9):86–92 (4 ref.) **(Rus)**
[Analysis of factors limiting the applications of binomial statistics in studies of mediator secretion at neuromuscular synapses] Zefirov AL, et al. **Neirofiziologiia** 1984; 16(2):182–9 (Eng. Abstr.) **(Rus)**

STANDARDS

Significance of the t-test applied to ocular measures. Reading VM. **Am J Optom Physiol Opt** 1984 Feb;61(2):94–9

STATUS DYSRAPHICUS

COMPLICATIONS

Lower limb abnormality and spinal dysraphism. Black J, et al. **Ir Med J** 1983 Sep;76(9):385–6
Relationship of fetal hydronephrosis to spinal dysraphism. Lirette M, et al. **J Ultrasound Med** 1983 Nov;2(11):495–7
[Spinal hemangioblastoma in infants with dysraphic malformation of the CNS] Stern J, et al.
Helv Paediatr Acta 1983 Dec;38(5–6):523–32 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

High-resolution spinal sonography in infants. Kangarloo H, et al. **AJR** 1984 Jun;142(6):1243–7
[Clinical, sonographic and radiologic findings in spinal dysraphism of the lumbosacral region] Reither M, et al.
Radiologe 1984 Feb;24(2):54–9 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The embryology of spinal dysraphism. French BN.
Clin Neurosurg 1983;30:295–340

RADIOGRAPHY

Extensive spinal dysrhaphism and sacral agenesis without urologic disturbances. Helin I, et al.
Acta Radiol [Diagn] (Stockh) 1983;24(3):209–12
Digital myelography of spinal dysraphism in infancy: preliminary results. Barnes PD, et al. **AJR** 1984 Jun; 142(6):1249–52
Radiology of spinal dysraphism. Naidich TP, et al.
Clin Neurosurg 1983;30:341–65
Computed tomography of sacral and perisacral lesions. Levine E, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(4):307–74 (126 ref.)

SURGERY

[Psycho-social aspects of pediatric surgery] Montinari M, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):185–95 (Eng. Abstr.) **(Ita)**

STATUS EPILEPTICUS

CEREBROSPINAL FLUID

5-HIAA in cerebrospinal fluid of patients with status epilepticus. Verma AK, et al. **Epilepsia** 1984 Aug; 25(4):499–501

CHEMICALLY INDUCED

Nonconvulsive status epilepticus following metrizamide myelography. Pritchard PB 3d, et al. **Ann Neurol** 1984 Aug; 16(2):252–4
Status epilepticus after baclofen withdrawal. Hyser CL, et al. **J Natl Med Assoc** 1984 May;76(5):533, 537–8
[Convulsive status epilepticus after sinus injection of a contrast medium (letter)] Sarlangue J, et al. **Presse Med** 1984 Jun 23;13(26):1636 **(Fre)**
[Status epilepticus as a complication of fluphenazine treatment] Leksowski W. **Psychiatr Pol** 1983 Sep–Dec; 17(5–6):445–7 **(Pol)**

DIAGNOSIS

Absence status: a report of two cases. Yeo PT, et al.
Aust NZ J Med 1984 Feb;14(1):53–5
De novo minor status epilepticus of late onset presenting as stupor. Bateman DE, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1673–4
Status epilepticus. Lederman RJ. **Cleve Clin Q** 1984 Summer; 51(2):261–6
Absence status: with special reference to the psychiatric symptoms directly related to the occurrence of seizure activity. Nakane Y. **Folia Psychiatr Neurol Jpn** 1983; 37(3):227–37
Benign unilateral seizures or epilepsy [letter] Aguglia U, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):871–3
Partial complex status epilepticus. Ballenger CE 3d, et al. **Neurology (NY)** 1983 Dec;33(12):1545–52
[Malignant epilepsy in childhood] Lehovský M, et al.
Cesk Pediatr 1983 Jul;38(7):402–4 (Eng. Abstr.) **(Cze)**
[Prolonged confused seizure state of frontal origin in an aged patient] Aguglia U, et al.
Rev Electroencephalogr Neurophysiol Clin 1983 Nov; 13(2):174–9 (Eng. Abstr.) **(Fre)**
[Unilateral status epilepticus during the neonatal period] Bour F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Nov;13(2):162–7 (Eng. Abstr.) **(Fre)**
[Epileptic twilight states (editorial)] Amir N, et al.
Harefuah 1983 Jan 2;104(1):30–1 **(Heb)**

DRUG THERAPY

Treatment of status epilepticus with lorazepam. Levy RJ, et al. **Arch Neurol** 1984 Jun;41(6):605–11
Therapy for status epilepticus. Bleck TP.
Clin Neuropharmacol 1983;6(4):255–69 (76 ref.)
The use of chloral hydrate for refractory childhood epilepsy. Powell TG, et al. **Dev Med Child Neurol** 1983 Aug; 25(4):524–6
DIAS rounds. Diazepam infusions. Michael KA, et al.
Drug Intell Clin Pharm 1984 Mar;18(3):214–5
Potentiation of GABA by midazolam and its therapeutic effect against status epilepticus. Kaneko S, et al.
Folia Psychiatr Neurol Jpn 1983;37(3):307–9
Pharmacokinetics of paraldehyde disposition in the neonate. Giacoia GP, et al. **J Pediatr** 1984 Feb;104(2):291–6
Pentobarbital in refractory status epilepticus. Young RS, et al. **Pediatr Pharmacol (New York)** 1983;3(2):63–7
Chlormethiazole in the treatment of neonatal status epilepticus. Miller P, et al. **Postgrad Med J** 1983 Dec; 59(698):801–2
[The treatment of status epilepticus] van Huffelen AC.
Ned Tijdschr Geneeskd 1983 Oct 29;127(44):2003–9 **(Dut)**
[New effective therapeutic form of status epilepticus using undiluted long-term infusion of diazepam] Wessely P, et al. **Schweiz Rundsch Med Prax** 1984 Jun 19;73(25):805–8 (Eng. Abstr.) **(Ger)**
[Thiopental treatment of status epilepticus in children] Cerda M, et al. **Rev Chil Pediatr** 1983 Jul–Aug;54(4):249–53 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Generalized epilepsy evoked by freeze lesions in the mesencephalon of the cat. Molnár M, et al.
Acta Neurobiol Exp (Warsz) 1983;43(6):299–310
Status epilepticus with unilateral ECT: case report. Prakash R, et al. **J Clin Psychiatry** 1984 Sep;45(9):403–4
Status epilepticus as a complication of concurrent electroconvulsive and theophylline therapy. Peters SG, et al. **Mayo Clin Proc** 1984 Aug;59(8):568–70
[Myoclonic status epilepticus in an adult with multiple cerebrovascular accidents] Gracia F, et al.
Rev Clin Esp 1983 Dec 15;171(5):355–6 **(Spa)**

METABOLISM

In vivo phosphorus nuclear magnetic resonance spectroscopy

in status epilepticus. Petroff OA, et al. **Ann Neurol** 1984 Aug;16(2):169–77
Motor paralysis increases brain uptake of lidocaine during status epilepticus. Simon RP, et al. **Neurology (NY)** 1984 Mar;34(3):384–7

PATHOLOGY

Bicuculline-induced epileptic brain injury. Transient and persistent cell changes in rat cerebral cortex in the early recovery period. Söderfeldt B, et al.
Acta Neuropathol (Berl) 1983;62(1–2):87–95
Irreversible neuronal damage after short periods of status epilepticus. Nevander G, et al. **Acta Physiol Scand** 1984 Jan;120(1):155–7
Status epilepticus: the reversibility of calcium loading and acute neuronal pathological changes in the rat hippocampus. Griffiths T, et al. **Neuroscience** 1984 Jun; 12(2):557–67

PHYSIOPATHOLOGY

Complex partial status epilepticus: two case reports. Greenberg BL, et al. **Clin Electroencephalogr** 1983 Oct; 14(4):225–32
Periodic lateralized EEG abnormality in a case of Neuro-Behcet syndrome. Pourmand R, et al.
Clin Electroencephalogr 1984 Apr;15(2):122–4
[Early ischemic lesions of hippocampus neurons in experimental status epilepticus] Meencke HJ, et al.
Fortschr Neurol Psychiatr 1984 Apr;52(4):116–21 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The beneficial effect of a phenytoin loading dose on seizure recurrence in patients with acute repetitive seizures: a preliminary report. Gal P, et al. **NC Med J** 1984 Mar; 45(3):153–4

PSYCHOLOGY

Epileptic Kluver-Bucy syndrome: case report. Nakada T, et al. **J Clin Psychiatry** 1984 Feb;45(2):87–8

THERAPY

Hypothermia and barbiturate coma for refractory status epilepticus. Orlowski JP, et al. **Crit Care Med** 1984 Apr; 12(4):367–72

VETERINARY

Use of magnesium sulfate to control status epilepticus. Silverman BS. **Mod Vet Pract** 1982 May;63(5):384

STEALING see **THEFT**

STEAM

Steam sterilization of air turbine dental handpieces. Edwardsson S, et al. **Acta Odontol Scand** 1983 Dec; 41(6):321–6
Low temperature steam and formaldehyde sterilization. Robertshaw RG. **J Hosp Infect** 1983 Sep;4(3):305–14
[Evaluation of the use of bioindicators of spore-containing soil for the evaluation of steam sterilization in general practice conditions] Bergmann HJ.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1984 May; 179(2):130–8 (Eng. Abstr.) **(Ger)**

STEARATES see under **STEARIC ACIDS**

STEARIC ACIDS

An electron-electron double-resonance study of interactions between [14N]- and [15N]stearic acid spin-label pairs: lateral diffusion and vertical fluctuations in dimyristoylphosphatidylcholine. Feix JB, et al.
Biochemistry 1984 May 8;23(10):2293–9

ADVERSE EFFECTS

Cosmetic dermatitis due to methyl glucose sesquisterarate. Dooms-Goossens A, et al. **Contact Dermatitis** 1984 May; 10(5):312–3
Allergic contact dermatitis from stearamidoethyl diethylamine phosphate: a cosmetic emulsifier. Taylor JS, et al. **Contact Dermatitis** 1984 Feb;10(2):74–6

ANALYSIS

Distribution of trans-octadecenoic acid in the major glycerolipids of human milk. Hundrieser KE, et al.
J Pediatr Gastroenterol Nutr 1983 Nov;2(4):635–9
[Reliability of gas chromatography analysis of fatty acids in the amniotic fluid for the determination of fetal lung maturity] Ciangherotti S, et al. **Minerva Ginecol** 1984 Jan-Feb;36(1–2):11–4 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Biosynthesis of the novel fatty acid, 17-methyl-cis-9,10-methyleneoctadecanoic acid, by the parasitic protozoan, Herpetomonas megaseliae. Holz GG Jr, et al. **Lipids** 1983 Sep;18(9):607–10

METABOLISM

Measles-virus-persistent infection in BGM cells. Modification of the incorporation of [3H]arachidonic acid and [14C]stearic acid into lipids. Anderton P, et al.
Biochem J 1983 Sep 15;214(3):665–70
The hydrogenation of some cis- and trans-octadecenoic acids to stearic acid by a rumen Fusocillus sp. Kemp P, et al.
Br J Nutr 1984 Jul;52(1):165–70
[Absorption routes of stearic acid and leucine in the small intestine of the rat after gamma irradiation] Nadtochii VV, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):61–6 (Eng. Abstr.) **(Rus)**
[Biological effects of radioactive carbon. Kinetics of carbon-14 (14C-stearic acid) metabolism in animals of various ages] Osipov VA. **Radiobiologiia** 1983 Nov-Dec; 23(6):774–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of dietary unsaturated and saturated fats on azoxymethane-induced colon carcinogenesis in rats. Sakaguchi M, et al. **Cancer Res** 1984 Apr;44(4):1472–7
Effect of 2-bromostearate on glucose-phosphorylating activities and the dynamics of insulin secretion in islets of Langerhans during fasting. Bedoya FJ, et al. **Diabetes** 1984 Sep;33(9):858–63
Starvation-induced secretory changes of insulin, somatostatin, and glucagon and their modification by 2-bromostearate. Tamarit-Rodriguez J, et al.
Horm Metab Res 1984 Mar;16(3):115–9
Stimulation of aflatoxin biosynthesis by lipophilic epoxides. Fanelli C, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1721–3
Membrane-mobility agent-promoted fusion of erythrocytes: fusibility is correlated with attack by calcium-activated cytoplasmic proteases on membrane proteins. Kosower NS, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7542–6

THERAPEUTIC USE

Effect of dietary supplementation with stearic acid on the severity of myocardial lesions. Clandinin MT, et al.
Res Vet Sci 1983 Nov;35(3):306–9

STEARYL-COA DESATURASE see under **FATTY ACID DESATURASES**

STEATITIS

ETIOLOGY

Steatitis and fat necrosis in captive alligators. Larsen RE, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1202–4

PHYSIOPATHOLOGY

Muscular and myocardial degeneration in rapidly growing male mink kits. Nordstoga K. **Acta Vet Scand** 1983; 24(3):321–4

STEATORRHEA see **CELIAC DISEASE**

STEEL see under **ALLOYS**

STEIN-LEVENTHAL SYNDROME

Polycystic ovarian disease. Raj SG, et al.
Obstet Gynecol Annu 1984;13:261–73 (72 ref.)
[Development of menstrual and ovulatory functions in girls born to mothers with sclerocystic ovary syndrome] Beskrovnaia NI, et al. **Akush Ginekol (Mosk)** 1983 Jul; (7):24–6 (Eng. Abstr.) **(Rus)**

BLOOD

Insulin resistance in patients with polycystic ovaries: its relationship to body weight and androgen levels. Pasquali R, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):110–6
Serum LH-RH levels before and after ovarian wedge resection in polycystic ovary syndrome. Shterev AD, et al. **Endokrynol Pol** 1983;34(3):169–74
Plasma dehydroepiandrosterone sulfate and other androgens in normo- and hyperprolactinemic women with polycystic ovary disease. Teter J, et al. **Endokrynol Pol** 1983; 34(4):219–26
Hormonal characteristics of women with clinical features of the polycystic ovary syndrome. Heineman MJ, et al.
Eur J Obstet Gynecol Reprod Biol 1984 Jun;17(4):263–71
Hyperprolactinemia in polycystic ovary syndrome. Luciano AA, et al. **Fertil Steril** 1984 May;41(5):719–25
Prolactin levels in the polycystic ovary syndrome. Milewicz A. **J Reprod Med** 1984 Mar;29(3):193–6
Variable clinical and hormonal manifestations of hyperandrogenemia. McKenna TJ, et al. **Metabolism** 1984 Aug;33(8):714–7
Markedly elevated serum testosterone in pregnancy without fetal virilization. Berger NG, et al. **Obstet Gynecol** 1984 Feb;63(2):260–2
Elevated levels of plasma beta-endorphin and gamma 3-melanocyte stimulating hormone in the polycystic ovary syndrome. Wortsman J, et al. **Obstet Gynecol** 1984 May; 63(5):630–4

COMPLICATIONS

Endometrial adenocarcinoma and the Stein-Leventhal syndrome. Tsoutsoplides GC. **Am J Obstet Gynecol** 1983 Dec 1;147(7):844–5
Malignant mixed Müllerian tumor of the endometrium in a young woman with polycystic ovaries. Chumas JC, et al. **Cancer** 1983 Oct 15;52(8):1478–81 (36 ref.)
A case of bilateral dermoid cysts, insulin resistance, and polycystic ovarian disease: association of ovarian tumors with polycystic ovaries with review of the literature. Futterweit W, et al. **Mt Sinai J Med (NY)** 1983 May-Jun; 50(3):251–5 (52 ref.)
[Acanthosis nigricans, insulin resistance. Polycystic ovary syndrome and hypertrichosis] Mauduit G, et al.
Ann Dermatol Venereol 1983;110(9):737–8 **(Fre)**
[Virilizing luteoma of pregnancy. Relation to polycystic ovaries] Guilmot JL, et al. **Sem Hop Paris** 1983 Dec 1; 59(44):3053–7 (Eng. Abstr.) **(Fre)**
[Pituitary prolactinoma associated with diabetes mellitus, masked primary hypothyroidism, and polycystic ovary] Baba T, et al. **Horumon To Rinsho** 1983 Sep;31(9):929–31 **(Jpn)**
[Analysis of the results of treatment of idiopathic hirsutism and hirsutism in patients with polycystic ovary syndrome with androcur (cyproterone acetate)] Baranowska B, et al. **Endokrynol Pol** 1983;34(4):227–34 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Ultrasound study of ovarian morphology in women with polycystic ovary syndrome before and during treatment with an oestrogen/progestogen preparation. Venturoli S, et al. **Arch Gynecol** 1983;234(2):87–93
Clinical and biochemical evaluation of patients with hirsutism. Holdaway IM, et al.
Aust NZ J Obstet Gynaecol 1984 Feb;24(1):23–9
Pituitary and ovarian responses to LHRH stimulation in women with clinical features of the polycystic ovary syndrome. Heineman MJ, et al.
Eur J Obstet Gynecol Reprod Biol 1984 Jun;17(4):273–84
Polycystic ovarian disease: ultrasonic evaluation and correlations with clinical and hormonal data. Parisi L, et al. **JCU** 1984 Jan;12(1):21–6
Polycystic ovarian disease: sonographic spectrum. Hann LE, et al. **Radiology** 1984 Feb;150(2):531–4
[Stein-Leventhal syndrome in adolescents. Study of a series of 34 cases] Rochiccioli P, et al. **Ann Pediatr (Paris)** 1984 Mar;31(3):225–30 (Eng. Abstr.) **(Fre)**
[Diagnostic criteria of polycystic ovary syndrome] Mori T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):637–42 **(Jpn)**
[Polycystic ovary syndrome in girls, based on our data] Wąsikowa R, et al. **Pediatr Pol** 1983 Jun;58(6):543–8 **(Pol)**
[A case of post-pubertal form of 21-hydroxylase deficiency and polycystic ovaries] Milewicz A, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):439–40 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Induction of ovulation by prolonged pulsatile administration of luteinizing hormone releasing hormone (LRH) in patients with clomiphene resistant polycystic ovary-like disease. Burger CW, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):357–64
Induction of ovulation and pregnancy with HU-FSH (Metrodin) in women with polycystic ovarian disease: summary of clinical experience. Venturoli S, et al.
Acta Eur Fertil 1983 Jan-Feb;14(1):29–34
Induction of luteal phase defect with clomiphene citrate. Cook CL, et al. **Am J Obstet Gynecol** 1984 Jul 15; 149(6):613–6
Atypical basal body temperature (BBT) associated with ovulation after dydrogesterone administration in patients with polycystic ovarian disease. Tanaka T, et al.
Asia Oceania J Obstet Gynaecol 1984 Jun;10(2):205–9
The effect of bromocriptine in the polycystic ovary syndrome. Spruce BA, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):481–8
Testosterone, 17 Ks, 17 beta E2 FSH-LH variations and hirsutism modifications during spironolactone therapy. Spandri P, et al. **Clin Exp Obstet Gynecol** 1984; 11(1–2):49–54
Treatment of polycystic ovary disease with chronic low-dose follicle stimulating hormone: biochemical changes and ultrasound correlation. Seibel MM, et al. **Int J Fertil** 1984; 29(1):39–43
Effect of spironolactone on testosterone and LHRH responsiveness in women with polycystic ovarian disease. Evron S, et al. **Isr J Med Sci** 1984 Jul;20(7):630–3
Bromocriptine response in normoprolactinemic patients with polycystic ovary disease: a preliminary report. Seibel MM, et al. **Obstet Gynecol** 1984 Aug;64(2):213–9
Comparison between human urinary follicle-stimulating hormone and human menopausal gonadotropin treatment in polycystic ovary. Venturoli S, et al. **Obstet Gynecol** 1984 Jan;63(1):6–11
Infertility, megalocystic and polycystic ovaries: differential response to LHRH therapy. Tucker M, et al.
Ups J Med Sci 1984;89(1):43–6

ETIOLOGY

Evolution of the hyperandrogenism-polycystic ovary syndrome from isosexual precocious puberty: report of two cases. Root AW, et al. **Am J Obstet Gynecol** 1984 Aug

1;149(7):763-7
Polycystic ovary syndrome and congenital adrenal hyperplasia [letter] New MI, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):733-4
Hypothesis: aberrant puberty and the Stein-Leventhal syndrome. Mechanick JI, et al. **Int J Fertil** 1984;29(1):35-8
[Diagnosis and pathogenesis of polycystic ovary syndrome] Lin SQ. **Chung Hua I Hsueh Tsa Chih** 1983 Jul;63(7):447-52 **(Chi)**
[New findings in the pathogenesis of the sclerocystic ovary syndrome] Benediktov II, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):43-5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Polycystic ovarian syndrome in identical twins. Hutton C, et al. **Postgrad Med J** 1984 Jan;60(699):64-5

METABOLISM

Origin of serum progestins in polycystic ovarian disease. Chetkowski RJ, et al. **Obstet Gynecol** 1984 Jul;64(1):27-31
The origin of androgen synthesis in polycystic ovary syndrome. Milewicz A, et al. **Obstet Gynecol** 1983 Nov; 62(5):601-4
[Studies on steroidogenesis of polycystic ovary syndrome—endocrinological analysis of follicular fluid and progesterone biosynthesis of cultured granulosa cells] Sugimura K. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr;36(4):603-11 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Studies on polycystic ovaries of neonatally androgenized rats. Shanbhag AB, et al. **Indian J Exp Biol** 1984 Jan;22(1):18-24
[Pathological studies of polycystic ovarian disease] Hachiya S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):632-6 **(Jpn)**

PHYSIOPATHOLOGY

Prolactin secretion in polycystic ovary syndrome (PCO): correlation with the steroid pattern. Carmina E, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):99-104
The control of bioactive luteinizing hormone secretion in women with polycystic ovary syndrome. Lobo RA, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):423-8
Insulin resistance in polycystic ovary syndrome. Shoupe D, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):588-92
Pituitary and ovarian responses to luteinizing hormone releasing hormone in a rat with polycystic ovaries. Hemmings R, et al. **Biol Reprod** 1983 Aug;29(1):239-48
Pathological mechanisms in polycystic ovary syndrome: modulation of LH pulsatility by progesterone. Molloy BG, et al. **Br J Obstet Gynaecol** 1984 May;91(5):457-65
Evidence for decreased endogenous dopamine and opioid inhibitory influences on LH secretion in polycystic ovary syndrome. Cumming DC, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):643-8
The value of prolactin dynamics as a predictor of ovulation with bromocriptine in patients with polycystic ovary syndrome. Mattox JH, et al. **Fertil Steril** 1984 Apr; 41(4):569-74
Abnormal luteinizing hormone secretion in polycystic-ovary syndrome [letter] Camargo CA. **N Engl J Med** 1984 Apr 12;310(15):990-1
Polycystic-ovary syndrome—what is it? [editorial] Vaitukaitis JL. **N Engl J Med** 1983 Nov 17;309(20):1245-6
A chronobiologic abnormality in luteinizing hormone secretion in teenage girls with the polycystic-ovary syndrome. Zumoff B, et al. **N Engl J Med** 1983 Nov 17; 309(20):1206-9
[The direct effect of insulin on the ovary and the pathogenesis of the polycystic ovary syndrome] Presl J. **Cesk Gynekol** 1984 Mar;49(2):124-5 **(Cze)**
[More precise definition of the indications for surgical treatment of patients with the sclerocystic ovary syndrome according to the results of the clomiphene test] Golubev VA, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):20-2 (5 ref.) (Eng. Abstr.) **(Rus)**
[Histophysiologic approaches underlying methods of correcting reproductive function in patients with the sclerocystic ovary syndrome] Koval'skii GB, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):17-20 (9 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Clinical meeting at the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1983 Jan-Mar;20(1):28-34 **(Por)**

RADIOGRAPHY

[Radiological image of the ovaries and adrenal glands in women with Stein-Leventhal syndrome] Brzezińska-Miszczyszyn T. **Pol Przegl Radiol (Warszawa)** 1983 Jan-Feb;47(1):69-75 (Eng. Abstr.) **(Pol)**
[Evaluation of ovarian phlebography in the polycystic ovary syndrome] Mielecki T, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jan-Feb;47(1):61-8 (Eng. Abstr.) **(Pol)**

SECRETION

Follicular fluid steroid levels and ovarian steroid secretion in polycystic ovarian disease. Laatikainen T, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec;16(4):283-91

SURGERY

Periovarian adhesions following ovarian wedge resection or laparoscopic biopsy. Portuondo JA, et al. **Endoscopy** 1984 Jul;16(4):143-5
Polycystic ovarian syndrome treated by ovarian electrocautery through the laparoscope. Gjönnaess H. **Fertil Steril** 1984 Jan;41(1):20-5
[Female patients after wedge-resection of the ovaries for Stein-Leventhal syndrome] Kobilková J, et al. **Cesk Gynekol** 1983 Apr;48(3):163-9 (Eng. Abstr.) **(Cze)**

THERAPY

[Management of polycystic ovary syndrome] Okada K. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):627-31 **(Jpn)**
[Menstrual and generative function after wedge-resection of sclerocystic ovaries in women of child-bearing age] Sokolova TM, et al. **Akush Ginekol (Mosk)** 1983 Sep; (9):24-7 (15 ref.) (Eng. Abstr.) **(Rus)**

STELLATE GANGLION

Stellate ganglion block: a therapeutic modality for arterial insufficiency of the arm in premature infants. Lagade MR, et al. **Anesthesiology** 1984 Aug;61(2):203-4

ANATOMY & HISTOLOGY

Location of the stellate ganglion [letter] Sweeney B. **Anaesthesia** 1984 Aug;39(8):839-40

CYTOLOGY

[Distribution of cell bodies of the sympathetic preganglionic fibers to the stellate ganglion in the monkey: a study using horseradish peroxidase technic] Kato T. **Fukuoka Igaku Zasshi** 1983 Oct;74(10):724-32 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Ganglionic blockade by d-amphetamine. Christ D. **Eur J Pharmacol** 1983 Dec 9;96(1-2):123-7
Blockade of ganglionic afterdischarges by tyramine may be mediated by endogenous catecholamines. Christ D, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):376-9
Stellate ganglion stimulation with alpha and beta adrenergic blockade: effect on lung lipids and compliance in cats. Crittenden DJ, et al. **Life Sci** 1984 Feb 6;34(6):561-7
Pain relief in herpes ophthalmicus. Fernando LC, et al. **Trans Ophthalmol Soc NZ** 1984;36:57-8

METABOLISM

[3H]Pirenzepine identifies putative M1 muscarinic receptors in human stellate ganglia. Watson M, et al. **Brain Res** 1984 Jan 2;290(1):179-82
The action of cholinergic agonists on the squid stellate ganglion giant synapse. Stanley EF. **J Neurosci** 1984 Jul; 4(7):1904-11
Light microscopic autoradiographic localization of [3H]pirenzepine and [3H](-)quinuclidinyl benzilate binding in human stellate ganglia. Yamamura HI, et al. **Life Sci** 1984 Aug 13;35(7):753-7

PHYSIOLOGY

Sympathetic response and brain death [letter] Friedman AJ. **Arch Neurol** 1984 Jan;41(1):15
[Mechanism of the intracardiac interactions of the vagus and sympathetic nerves: is a serotoninergic mechanism possible?] Kositskiĭ GI, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):7-9 (Eng. Abstr.) **(Rus)**
[Regulation of cardiac activity by the stellate ganglion in the dog and rabbit] Smirnov VM, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1509-10 **(Rus)**

PHYSIOPATHOLOGY

Lung injury edema in dogs. Influence of sympathetic ablation. Dauber IM, et al. **J Clin Invest** 1983 Dec; 72(6):1977-86

SURGERY

Pregnancy in a patient with idiopathic long QT syndrome. Bruner JP, et al. **Am J Obstet Gynecol** 1984 Jul 15; 149(6):690-1

STEM CELL ASSAY see **COLONY-FORMING UNITS ASSAY**

STEM CELLS

Studies of cell separation: a comparison of the osmotic response of human lymphocytes and granulocyte-monocyte progenitor cells. Law P, et al. **Cryobiology** 1983 Dec;20(6):644-51
Aplastic anemia. Stem cell biology and advances in treatment. Proceedings of the Third International Conference on Aplastic Anemia. Airlie, Virginia, June 26-28, 1983. **Prog Clin Biol Res** 1984;148:xxi-xxx, 3-341
[Granulocytic progenitors in bone marrow autografts] Maraninchi D, et al. **Nouv Rev Fr Hematol** 1983;25(4):235-9 (Eng. Abstr.) **(Fre)**

ANALYSIS

Redistribution of granulopoiesis from extramedullary territories to bone marrow in a case of spent polycythemia treated with alkylating agents. Charbord P, et al. **Nouv Rev Fr Hematol** 1984;26(1):25-34

CLASSIFICATION

Various colony-formers of Mycobacterium avium-intracellulare. Kuze F, et al. **Eur J Respir Dis** 1984 Aug;65(6):402-10

CYTOLOGY

Correlation between hematopoietic progenitors and erythroblasts in cord blood. Issaragrisil S. **Am J Clin Pathol** 1983 Dec;80(6):865-7
Correlation between blood granulocyte progenitor cells and polymorphonuclear leukocytes. A tentative pathophysiological subgrouping of neutropenic and neutrophilic patients. Ponassi A, et al. **Biomed Pharmacother** 1983;37(6):293-7
Separation of immunoreactive lymphocytes from human pluripotent stem cells (CFU-GEMM) by means of counterflow centrifugation. de Witte T, et al. **Blut** 1984 Mar;48(3):139-45
Hoechst 33342 staining of mouse bone marrow: effects on colony-forming cells. Van Zant G, et al. **Cytometry** 1983 Jul;4(1):40-6
Cell lineage relationships in the development of the mammalian CNS. I. The facial nerve nucleus. Herrup K, et al. **Dev Biol** 1984 Jun;103(2):329-36
Characterization of a pluripotent stem cell line derived from a mouse embryo. Wobus AM, et al. **Exp Cell Res** 1984 May;152(1):212-9
Changes in cell surface antigens during stem cell ontogeny. Berridge MV, et al. **Exp Hematol** 1984 Feb;12(2):121-9
Bone marrow origin of mast cell precursors in mesenteric lymph nodes of mice. Hayashi C, et al. **Exp Hematol** 1983 Sep;11(8):772-8
Human umbilical cord conditioned medium: a stimulus for human CFU-G. Irvine AE, et al. **Exp Hematol** 1984 Jan; 12(1):19-24
Enhancement of human T lymphocyte colony formation by 12-O-tetradecanoylphorbol-13-acetate (TPA). Kitamura K, et al. **Exp Hematol** 1983 Nov;11(10):1014-20
A miniaturized agar culture system for cloning human erythropoietic progenitor cells. Konwalinka G, et al. **Exp Hematol** 1984 Jan;12(1):75-9
Maturation sequence hierarchy of murine macrophage progenitor cells. Utsumi M, et al. **Exp Hematol** 1984 Feb; 12(2):83-90
Characterization of low- and high-metastatic clones isolated from a Lewis lung carcinoma. Takenaga K. **Gann** 1984 Jan;75(1):61-71
Characteristics of proliferation and differentiation of spleen colony-forming cells from bone marrow. Chu-tse W, et al. **Int J Cell Cloning** 1984 Mar;2(2):69-80
Adipocyte stem cell: a brief review. Soda R, et al. **Int J Cell Cloning** 1983 Jun;1(2):79-84 (26 ref.)
On the genesis and regulation of cellular heterogeneity in malignant tumors. Poste G, et al. **Invasion Metastasis** 1982; 2(3):137-76 (70 ref.)
Experimental analysis of factors affecting metastatic spread using naturally occurring tumours. Price JE, et al. **Invasion Metastasis** 1982;2(2):77-112
Growth factors that stimulate human granulocyte-macrophage colony formation produced by the cell line CM-S. Bertolini L, et al. **J Cell Physiol** 1984 Apr;119(1):65-70
Regulation of self-renewal of human T lymphocyte colony-forming units (TL-CFUs). Wu AM. **J Cell Physiol** 1983 Oct;117(1):101-8
Cell heterogeneity in human ovarian carcinoma. Buick RN. **J Cell Physiol [Suppl]** 1984;3:117-22 (25 ref.)
Clonogenic tumour cells. Steel GG. **J Cell Physiol [Suppl]** 1984;3:21-7 (50 ref.)
Characterization of early B lymphocyte precursors present in long-term bone marrow cultures. Dorshkind K, et al. **J Immunol** 1983 Nov;131(5):2240-5
Pre-B cells in mouse bone marrow: immunofluorescence stathmokinetic studies of the proliferation of cytoplasmic mu-chain-bearing cells in normal mice. Opstelten D, et al. **J Immunol** 1983 Dec;131(6):2635-40
A population of resting IgM-IgD double-bearing lymphocytes in Peyer's patches: the major precursor cells for IgA plasma cells in the gut lamina propria. Tseng J. **J Immunol** 1984 Jun;132(6):2730-5
Stimulation of human tumor colony formation by platelet lysate. Cowan DH, et al. **J Lab Clin Med** 1983 Dec; 102(6):973-86
Factors altering the ability of multipotential hemopoietic colony-forming cells to self-generate or form progenitor cells. Johnson GR. **Leuk Res** 1983;7(5):655-66
Mechanisms for the initiation and promotion of carcinogenesis: a review and a new concept. Scott RE, et al. **Mayo Clin Proc** 1984 Feb;59(2):107-17 (60 ref.)

The influence of in vivo incubation of aged murine spleen colony-forming units on their proliferative capacity. Inoue T, et al. **Mech Ageing Dev** 1983 Oct;23(2):177–90

Mechanism of inhibition of granulopoiesis by ethanol. Imperia PS, et al. **Proc Soc Exp Biol Med** 1984 Feb; 175(2):219–25

Studies of bone marrow stromal cells in vitro. Bentley SA. **Prog Clin Biol Res** 1984;154:179–207 (59 ref.)

In vitro growth of granulocyte–macrophage colonies from normal human bone marrow, peripheral blood and umbilical cord blood. Shih LY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Aug;82(8):879–85

[Granulocyte–macrophage progenitor cells in the liver of human embryo] Kitazawa M. **Nippon Ketsueki Gakkai Zasshi** 1983 Nov;46(6):1177–84 (Eng. Abstr.) **(Jpn)**

[Progenitors of transitory spleen colonies in mouse embryonal liver] Gan OI, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):727–9 (Eng. Abstr.) **(Rus)**

[Acid hydrolysis characteristics of spleen colony cells under Feulgen staining] Kuz'mina LV, et al. **Tsitologiia** 1983 Nov; 25(11):1335–40 (Eng. Abstr.) **(Rus)**

[Migration of natural killer precursors from the bone marrow to the spleen] Khaitov RM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):62–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Ticarcillin–induced neutropenia corroborated by in vitro CFU–C toxicity. Irvine AE, et al. **Acta Haematol (Basel)** 1983;70(6):364–8

The effect of anticoagulant on the cell size of hairy cells and other malignant hematologic cells. A study with the Hemalog D. den Ottolander GJ, et al. **Am J Clin Pathol** 1984 Feb;81(2):213–8

The effects of PGF2 alpha, PGI2, and TxB2 on human CFU–C in healthy and leukemic patients. Gross S, et al. **Am J Hematol** 1984 May;16(4):325–33

Sideroblastic anemia: differences in bone marrow erythroid colony (CFUE) growth responses to erythropoietin in plasma clot and methylcellulose cultures. Lutton JD, et al. **Am J Hematol** 1984 Apr;16(3):219–26

The effect of prostaglandins E1 and E2 on macrophage progenitor cells with high proliferative potential in mouse bone marrow in vitro. Kriegler AB, et al. **Blood** 1984 Jun; 63(6):1348–52

Mevalonic acid induces DNA synthesis in chronic lymphocytic leukemia cells. Larson RA, et al. **Blood** 1984 Jul;64(1):257–62

Effect of enzymic removal of cell surface constituents on metastatic colonisation potential of mouse mammary tumour cells. Sargent NS, et al. **Br J Cancer** 1983 Oct; 48(4):569–77

Hematological toxicity of repeated injections of (chloro–2–ethyl)–ribofuranosyl–3–nitrosourea. Rebischung JL, et al. **Cancer Res** 1984 Feb;44(2):503–6

Lack of dexamethasone effect on the antitumor activity of cisplatin. Aapro MS, et al. **Cancer Treat Rep** 1983 Nov; 67(11):1013–7

Drug resistance of hypoxic tumour cells in vitro. Ludwig C. **Cancer Treat Rev** 1984 Mar;11 Suppl A:173–8

Chemosensitivity testing of human neoplasms using the soft agar colony assay. Schlag P, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:131–7

Germ cell comparative Drosophila mutagenesis: sensitivity and mutation pattern in chemically treated stem cells. Abrahamson S, et al. **Environ Mutagen** 1983;5(6):891–905

Inhibition of CFU–E in rat bone marrow perfused with 2'–5'–oligoadenylate core. Orlic D, et al. **Exp Hematol** 1984 Jan;12(1):39–43

Evidence for a heterogeneous response to erythropoietin in the CFUE pool of human bone marrow. Pennathur–Das R, et al. **Exp Hematol** 1984 Jan;12(1):31–7

Modulation of myelopoiesis in vivo by synthetic adjuvant–active muramyl peptides: induction of colony–stimulating activity and stimulation of stem cell proliferation. Galelli A, et al. **Infect Immun** 1983 Dec; 42(3):1081–5

Correlation of intralesional in vivo chemotherapy of line 10 hepatoma with in vitro drug sensitivity. Osman FA, et al. **Int J Cell Cloning** 1983 Jun;1(2):118–27

Identifying superoxide–sensitive progenitor cells in mouse bone marrow. Chelack WS, et al. **Int J Radiat Biol** 1983 Nov;44(5):523–9

Toxicity of ASTA Z 7557 (INN mafosfamide) to normal– and leukemic stem cells: implications for autologous bone marrow transplantation. Hagenbeek A, et al. **Invest New Drugs** 1984;2(2):237–43

Autologous bone marrow transplantation for acute leukemia using transplant chemopurified with metabolite of oxazaphosphorines (ASTA Z 7557, INN mafosfamide). First clinical results. Hervé P, et al. **Invest New Drugs** 1984; 2(2):245–52

Application of a microsomal drug activation system in a human tumor cloning assay. Metelmann HR, et al. **Invest New Drugs** 1983;1(1):27–32

Possible epigenetic mechanisms of tumor progression: induction of high–frequency heritable but phenotypically unstable changes in the tumorigenic and metastatic properties of tumor cell populations by 5–azacytidine treatment. Kerbel RS, et al. **J Cell Physiol [Suppl]** 1984; 3:87–97 (45 ref.)

Protection of murine L1210 leukemia and bone marrow progenitor cells against mechlorethamine and inhibition of choline uptake as a structure–activity relationship of 2–dimethylaminoethanol and its analogues. Naujokaitis SA, et al. **J Pharm Sci** 1984 Jan;73(1):34–9

Longterm effects of cyclophosphamide on granulocyte colony formation in patients with rheumatoid arthritis. Thomas MR, et al. **J Rheumatol** 1983 Oct;10(5):778–83

Low–dose chloramphenicol stimulates granulocyte/monocyte colony–forming units [letter] Bostrom B, et al. **N Engl J Med** 1984 Mar 15;310(11):723–4

16, 16–dimethyl prostaglandin E2 increases survival of murine intestinal stem cells when given before photon radiation. Hanson WR, et al. **Radiat Res** 1983 Nov; 96(2):393–8

[Comparison of the effect of five antitumor drugs on the hemopoietic and P388 leukemic stem cells in mice] Zhou QX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):66–9 (Eng. Abstr.) **(Chi)**

[Quantitative study of the effect of antitumor drugs on the hemopoietic and tumor stem cells] Zhou QX. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):243–8 **(Chi)**

[Comparison of the sensitivity of murine hematopoietic and P388 leukemic stem cells to five antitumor drugs] Zhou QX, et al. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):721–5 (Eng. Abstr.) **(Chi)**

[Clonogenic cultures of human tumors. Potentials and difficulties] Rozencweig M, et al. **Rev Med Liege** 1984 Feb 1;39(3):134–7 **(Fre)**

[Therapy of blast crises in megakaryocytic myelosis (letter)] Zurborn KH, et al. **Dtsch Med Wochenschr** 1984 Apr 6; 109(14):556–7 **(Ger)**

ENZYMOLOGY

Simultaneous occurrence of terminal deoxynucleotidyl transferase and myeloperoxidase in individual leukemia blasts. Lanham GR, et al. **Blood** 1984 Jul;64(1):318–20

Plasma and intracellular levels of lactate dehydrogenase, phosphohexose isomerase and lysozyme activity in acute leukemia. Ho AD, et al. **Blut** 1984 Jul;49(1):19–28

A fucosyltransferase in teratocarcinoma stem cells. Decreased activity accompanying differentiation to parietal endoderm cells. Muramatsu H, et al. **FEBS Lett** 1983 Nov 14;163(2):181–4

IMMUNOLOGY

Difference between young and old patients in characteristics of leukemic cells: older patients have cells growing excessively in vitro, with low antigenicity despite high HLA–DR antigens. Giannoulis N, et al. **Am J Hematol** 1984 Feb;16(2):113–21

Pre–B cells in X–linked agammaglobulinemia. Schwaber J. **Birth Defects** 1983;19(3):177–82

Human thymus–independent antibody response in vitro: III. Precursor frequencies and fine specificity of human B cells stimulated by TNP–Ba in the presence and absence of Con A. Golding B, et al. **Cell Immunol** 1984 May;85(2):309–17

Fetal thymic pre–T cells neither demonstrate nor develop natural killer cell activity. Miller SC. **Cell Immunol** 1984 Mar;84(1):194–9

Frequency of influenza–responsive cytolytic T–lymphocyte precursors in the thymus and spleen of unprimed mice. Owen JA, et al. **Cell Immunol** 1984 Apr 1;84(2):403–8

Relationships between suppressor macrophages and macrophage precursors in the spleens from tumor–bearing mice. Shibata Y, et al. **Cell Immunol** 1984 Apr 15; 85(1):45–57

Regulation of cytotoxic lymphocyte precursors: I. Interactions between concanavalin A and T cell growth factors. Skinner M, et al. **Cell Immunol** 1984 May; 85(2):519–30

Double fluorochrome analysis of human bone marrow lymphoid cells: studies with terminal transferase and anti–T–cell monoclonal antibodies. Neudorf SM, et al. **Exp Hematol** 1984 Jan;12(1):69–73

Enlargement and immune activity of chick embryo host spleen associated with transfer of B–haplotype–matched donor lymphoid cells. Seto F. **Exp Hematol** 1984 Jan; 12(1):53–9

Alterations in lymphocyte recognition repertoire during ageing. I. Analysis of changes in immune response potential of B lymphocytes from non–immunized aged mice, and the role of accessory cells in the expression of that potential. Gorczynski RM, et al. **Immunopharmacology** 1984 Jun; 7(3–4):179–94

High frequency of lambda gene activation in bone marrow pre–B cells. Nishikawa SI, et al. **J Exp Med** 1984 Feb 1; 159(2):617–22

The same human alloreactive T cell clone can help both B lymphocytes and specific cytotoxic precursors. Ramarli D, et al. **J Exp Med** 1984 Jan 1;159(1):318–23

In vitro generation of human activated lymphocyte killer cells: separate precursors and modes of generation of NK–like cells and 'anomalous' killer cells. Burns GF, et al. **J Immunol** 1984 Sep;133(3):1656–63

Early loss of precursors of CTL and IL 2–producing cells in the development of neonatal tolerance to alloantigens. Carnaud C, et al. **J Immunol** 1984 Jul;133(1):45–51

Clonal abortion of bone marrow T cell precursors: T cells acquire specific antigen reactivity prethymically. Chervenak R, et al. **J Immunol** 1983 Oct;131(4):1688–92

Induction of minor alloantigen–specific T cell subsets in vivo: recognition of processed antigen by helper but not by cytotoxic T cell precursors. Czitrom AA, et al. **J Immunol** 1984 Jul;133(1):33–9

Alloantigen–specific cytotoxic and suppressor T lymphocytes are derived from phenotypically distinct precursors. Damle NK, et al. **J Immunol** 1983 Nov;131(5):2296–300

Capacity of different cell types to stimulate cytotoxic T lymphocyte precursor cells in the presence of interleukin 2. Dröge W, et al. **J Immunol** 1984 Jun;132(6):2749–59

Thymectomized, irradiated, and bone marrow–reconstituted chimeras have normal cytolytic T lymphocyte precursors but a defect in lymphokine production. Duprez V, et al. **J Immunol** 1984 May;132(5):2185–9

The role of tumor–specific Lyt–1+2– T cells in eradicating tumor cells in vivo. I. Lyt–1+2– T cells do not necessarily require recruitment of host's cytotoxic T cell precursors for implementation of in vivo immunity. Fujiwara H, et al. **J Immunol** 1984 Sep;133(3):1671–6

Generation of the alloreactive T cell repertoire: K region homology between H–2b T cell precursors and T cell maturation environment is required for the generation of the Kbm6–specific cytotoxic T cell repertoire. Gress RE, et al. **J Immunol** 1984 May;132(5):2226–31

High frequency of splenic anti–class I cytotoxic T lymphocyte precursors correlates with in vivo rejection of K/D region disparate thyroid and islet grafts in mice. Isakov N, et al. **J Immunol** 1984 Jan;132(1):50–6

Frequency and specificity of precursors of interleukin 2–producing cells in nude mice. MacDonald HR, et al. **J Immunol** 1984 Feb;132(2):605–10

Cell surface antigens expressed by subsets of pre–B cells and B cells. McKearn JP, et al. **J Immunol** 1984 Jan; 132(1):332–9

Phorbol esters inhibit the functional activation of cytotoxic precursors in mixed lymphocyte cultures. Masucci MG, et al. **J Immunol** 1984 Oct;133(4):1755–62

Age–associated decline in precursor frequency for different T cell–mediated reactions, with preservation of helper or cytotoxic effect per precursor cell. Miller RA. **J Immunol** 1984 Jan;132(1):63–8

Enhanced responsiveness of committed macrophage precursors to macrophage–type colony–stimulating factor (CSF–1) induced in vitro by interferons alpha + beta 1. Moore RN, et al. **J Immunol** 1983 Nov;131(5):2374–8

A shared antigenic specificity of human large granular lymphocytes and precursors of NK–like and allospecific cytotoxic effector cells. Nieminen P, et al. **J Immunol** 1984 Aug;133(2):702–8

Limiting dilution analysis of alloreactive cytotoxic precursor cells in aging mice. Nordin AA, et al. **J Immunol** 1983 Nov;131(5):2215–8

Pre–B cells in mouse bone marrow: in vitro maturation of peanut agglutinin binding B lymphocyte precursors separated from bone marrow by fluorescence–activated cell sorting. Osmond DG, et al. **J Immunol** 1984 Jul; 133(1):86–90

Abolishment of anti CFU–S and anti CFU–C activity of rabbit anti mouse brain serum (RAMBS) with trypan blue treatment of recipients. Murate T, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):34–40

In vitro bone marrow GM–CFC growth in aplastic patients. Correlation between E rosette forming cells and immunotherapy results. Faille A, et al. **Nouv Rev Fr Hematol** 1984;26(1):13–8

The graft–versus–host reaction and immune function. II. Recruitment of pre–T–cells in vivo by graft–versus–host–induced dysplastic thymuses following irradiation and bone marrow treatment. Seddik M, et al. **Transplantation** 1984 Mar;37(3):286–90

METABOLISM

Purine metabolism in myeloid precursor cells during maturation. Studies with the HL–60 cell line. Lucas DL, et al. **J Clin Invest** 1983 Dec;72(6):1889–900

Modulation of cell–associated plasminogen activator activity by cocultivation of a stem cell and its tumorigenic descendant. Liu HY, et al. **Mol Cell Biol** 1984 Jan; 4(1):160–5

PATHOLOGY

Histological analysis of human tumour cell colonies grown in methylcellulose cultures. Cillo C, et al. **Br J Cancer** 1984 May;49(5):653–7

Modulation of tumour cell colony growth in soft agar by oxygen and its mechanism. Gupta V, et al. **Br J Cancer** 1984 May;49(5):587–93

Growth of human head and neck squamous cell carcinoma stem cells in agarose. Schiff LJ, et al. **Cancer** 1984 Jan 15;53(2):286–90

Feeder cell requirements for leukemia cell colony formation in cultures supplemented with phytohemagglutinin. Swart K, et al. **Cancer Res** 1984 Feb;44(2):657–60

Phorbol ester–induced changes in human leukemic pre–B lines. Sacchi N, et al. **Cell Immunol** 1984 Mar;84(1):65–73

Generation time of leukaemic blast progenitor cells. Minden M, et al. **Cell Tissue Kinet** 1983 Nov;16(6):577–82

Analysis of haemopoiesis: the use of cell markers and in vitro culture techniques in studies of clonal haemopathies in man. Adamson JW. **Clin Haematol** 1984 Jun;13(2):489–502 (51

ref.)
The blast cells of acute myeloblastic leukaemia. McCulloch EA. **Clin Haematol** 1984 Jun;13(2):503–15 (52 ref.)
Modulation of the haemopoietic system by murine retroviruses. Mak TW, et al. **Clin Haematol** 1984 Jun; 13(2):447–59 (75 ref.)
Reed–Sternberg cells cultured from morphologically unidentifiable precursors in the blood of patients with Hodgkin's disease. Zucker–Franklin D, et al. **Hematol Oncol** 1983 Apr–Jun;1(2):127–38
Factor VIII staining of fibrous hematopoietic tumors [letter] Meister P, et al. **Hum Pathol** 1983 Oct;14(10):924
Effects of cloned human leukocyte interferons in the human tumor stem cell assay. Salmon SE, et al. **J Clin Oncol** 1983 Mar;1(3):217–25
Neoplasia—a stem cell pathology. Zajicek G. **Med Hypotheses** 1984 Feb;13(2):125–36
Studies of the in vitro microenvironment in human long–term marrow cultures. Singer JW, et al. **Prog Clin Biol Res** 1984; 154:247–63 (16 ref.)
Tumor colony formation from human spontaneous tumors in a methylcellulose monolayer system. Neumann HA, et al. **Res Exp Med (Berl)** 1984;184(3):137–43
Biologic mechanisms of hepatocarcinogenesis. Goldfarb S. **Semin Liver Dis** 1984 May;4(2):89–97 (82 ref.)
[Changes in S–phase CFU–c in chronic myelocytic leukemia] Umeda M, et al. **Rinsho Ketsueki** 1983 Feb;24(2):126–32 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Ontogeny of primary lymphoid organs and lymphoid stem cells. Le Douarin NM, et al. **Am J Anat** 1984 Jul; 170(3):261–99 (114 ref.)
Recent observations on the control of Schwann cell functions. Bunge RP. **Anat Rec [Suppl]** 1983;1:3–25
The stem cell system. Schofield R. **Biomed Pharmacother** 1983;37(8):375–80 (38 ref.)
Evidence for the separate human T–lymphocyte subpopulations that collaborate with autologous monocyte/macrophages in the elaboration of colony–stimulating activity and those that suppress this collaboration. Verma DS, et al. **Blood** 1983 Nov; 62(5):1088–99
Modulation of tumour colony growth by irradiated accessory cells. Hamburger AW, et al. **Br J Cancer** 1983 Nov; 48(5):675–82
Stem cell is a stem cell is a stem cell. Hall AK. **Cell** 1983 May;33(1):11–2
Transformation of teratocarcinoma stem cells and fibroblasts with various vectors containing the Eco.gpt gene as a selection marker. Thillet J, et al. **Exp Cell Res** 1984 Apr; 151(2):494–501
Circannual variations of circadian periodicity in murine colony–forming cells. Aardal NP. **Exp Hematol** 1984 Jan; 12(1):61–7
In vitro studies of erythropoietic progenitors (CFU–E) in marrow from neonatal and young mice. Hall EA, et al. **Exp Hematol** 1984 Aug;12(7):549–57
Self–renewal and maturation of immature T–cell progenitors within PHA–induced agar T–cell colonies. Mossalayi MD, et al. **Int J Cell Cloning** 1984 Jan;2(1):34–46
Influence of anatomic site and age on the replication and differentiation of rat adipocyte precursors in culture. Djian P, et al. **J Clin Invest** 1983 Oct;72(4):1200–8
Role of stromal and hematopoietic stem cells in Friend spleen focus forming virus effects in continuous bone marrow culture. Greenberger JS, et al. **Leuk Res** 1983;7(5):621–36

RADIATION EFFECTS

CFU–GM colony–enhancing activity in sera of dogs under acute and chronic gamma–irradiation regimens. Kaspar LV, et al. **Acta Haematol (Basel)** 1984;71(3):189–97
The cellular interpretation of tumour radioresistance. Trott KR. **Cancer Treat Rev** 1984 Mar;11 Suppl A:81–3
The proliferative status of microcolony–forming cells in mouse small intestine. Hendry JH, et al. **Cell Tissue Kinet** 1984 Jan;17(1):41–7
Radiation sensitivity and cycling status of mouse bone marrow prothymocytes and day 8 colony forming units spleen (CFUs). Boersma WJ. **Exp Hematol** 1983 Nov; 11(10):922–30
Effect of carbon particles on the recovery of bone marrow stem cells after irradiation in LPS–resistant C3H/HeJ mice. Fujita J, et al. **Experientia** 1984 Feb 15;40(2):195–6
The recruitability and cell–cycle state of intestinal stem cells. Potten CS, et al. **Int J Cell Cloning** 1984 Mar;2(2):126–40
Hematopoietic stem cell migration and proliferation after partial body irradiation: significant role of the spleen in hematopoietic recovery. Murate T, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):867–75
Response of colony–forming units–spleen to heavy charged particles. Ainsworth EJ, et al. **Radiat Res** 1983 Oct; 96(1):180–97
Strain differences in the response of mouse testicular stem cells to fractionated radiation. Meistrich ML, et al. **Radiat Res** 1984 Mar;97(3):478–87
Dose– and time–related quantitative and qualitative alterations in the granulocyte/macrophage progenitor cell (GM–CFC) compartment of dogs after total–body irradiation. Nothdurft W, et al. **Radiat Res** 1984 May; 98(2):332–44
Response to fission neutron irradiation of spermatogonial stem cells in different stages of the cycle of the seminiferous epithelium. van Beek ME, et al. **Radiat Res** 1984 Mar; 97(3):556–69
The response of stromal progenitor cells in mouse marrow to graded repeated doses of X rays or neutrons. Xu CX, et al. **Radiat Res** 1983 Oct;96(1):82–9
Studies of haemopoietic stem cells and microenvironment in chronic irradiated mice. Wu ZZ, et al. **Sci Sin [B]** 1983 Jul;26(7):735–45
Conditioning of tissues for metastasis formation by radiation and cytotoxic drugs. Milas L, et al. **Symp Fundam Cancer Res** 1983;36:321–36 (34 ref.)
[Mutagenic action of tritium on the germ cells of male mice. II. The genetic damages in stem spermatogonia induced by tritium oxide and gamma radiation] Pomerantseva MD, et al. **Genetika (Moskva)** 1984 May;20(5):782–7 (Eng. Abstr.) **(Rus)**
[Age–related changes in the radiosensitivity of animals and critical cell systems. Survival of stem cells of the small intestine epithelium 4–5 days after death in mice of various ages] Konopliannikova OA, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):249–52 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Bilateral diffuse pulmonary ectopic ossification after marrow allograft in a dog. Evidence for allotransplantation of hemopoietic and mesenchymal stem cells. Sale GE, et al. **Exp Hematol** 1983 Nov;11(10):961–6
Antibody–facilitated chimeras. Stem cell allotransplantation using antihost major histocompatibility complex monoclonal antibodies instead of lethal irradiation for host conditioning. Gambel P, et al. **Transplantation** 1984 Aug; 38(2):152–8

ULTRASTRUCTURE

Cytogenetic studies of early myeloid progenitor compartments in Ph1–positive chronic myeloid leukaemia (CML). I. Persistence of Ph1–negative committed progenitors that are suppressed from differentiating in vivo. Dubé ID, et al. **Br J Haematol** 1984 Apr;56(4):633–44
Development of brown fat cells in monolayer culture. II. Ultrastructural characterization of precursors, differentiating adipocytes and their mitochondria. Néchad M. **Exp Cell Res** 1983 Nov;149(1):119–27
Karyotype evolution in a transformed rat cerebral endothelial cell line. Tyrkus M, et al. **Int J Cancer** 1983 Oct 15; 32(4):485–90
A new human breast carcinoma cell line (PMC42) with stem cell characteristics. II. Characterization of cells growing as organoids. Whitehead RH, et al. **JNCI** 1983 Dec; 71(6):1193–203
An atypical case of megakaryoblastic leukaemia. Morishita K, et al. **Scand J Haematol** 1984 May;32(5):449–51
[Ultrastructure of DNA–synthesizing cells in an enchondral focus and osteogenic precursor cells] Rodionova NV. **Ontogenez** 1984 May–Jun;15(3):252–8 (Eng. Abstr.) **(Rus)**

STEM CELLS, HEMATOPOIETIC see **HEMATOPOIETIC STEM CELLS**

STEPHANURUS DENTATUS INFECTION see under **NEMATODE INFECTIONS**

STEREOGNOSIS

Interhemispheric transfer in schizophrenia and affective disorder. Wade JB, et al. **Biol Psychiatry** 1984 Jan; 19(1):107–11
Development of knowledge of visual–tactual affordances of substance. Gibson EJ, et al. **Child Dev** 1984 Apr; 55(2):453–60
Active and passive touch: the influence of exploration time on form recognition. Heller MA. **J Gen Psychol** 1984 Apr; 110(2d Half):243–9
Forward and backward tactile recognition masking. Kirman JH. **J Gen Psychol** 1984 Jul;111(1ST Half):83–99
Interdental thickness discrimination in myofascial pain dysfunction subjects. Clark GT, et al. **J Oral Rehabil** 1984 Jul;11(4):381–6
Haptic dominance in form perception with blurred vision. Heller MA. **Perception** 1983;12(5):607–13
The spatial characteristics of tactile form perception. Oldfield SR, et al. **Perception** 1983;12(5):615–26
[Visual and tactile agnosia] Morin P, et al. **Rev Neurol (Paris)** 1984;140(4):271–7 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Results from intracarotid Amytal tests in epileptic patients. Silfvenius H, et al. **Acta Neurol Scand [Suppl]** 1984;99:77–8
Cross–modal performance in patients with cerebral lesions. McNally C, et al. **Cortex** 1982 Apr;18(1):91–104
Right cerebral activation in REM sleep: evidence from a unilateral tactile recognition test. Bertini M, et al. **Psychophysiology** 1984 Jul;21(4):418–23
[Functional hemisphere differences in auditory and tactile recognition in aged people] Hatta T, et al. **Shinrigaku Kenkyu** 1984 Feb;54(6):358–63 (Eng. Abstr.) **(Jpn)**

STEREOISOMERS

Competitive inhibition by the D–isomer in racemic mixtures used as substrate in kinetic studies: a simple method for data treatment. Mares–Guia M, et al. **Arch Biochem Biophys** 1984 Jan;228(1):278–81
Recent advances in methods of direct optical resolution. Allenmark S. **J Biochem Biophys Methods** 1984 Mar; 9(1):1–25 (152 ref.)
On chiral drug action. Simonyi M. **Med Res Rev** 1984 Jul–Sep;4(3):359–413 (484 ref.)
Origins of biomolecular handedness. Mason SF. **Nature** 1984 Sep 6–11;311(5981):19–23

STEREOTAXIC TECHNICS

see related
BRAIN MAPPING

Advances in stereotactic and functional neurosurgery 6. Proceedings of the 6th meeting of the European Society for Stereotactic and Functional Neurosurgery, Rome 1983. **Acta Neurochir [Suppl] (Wien)** 1984;33:1–583
Cerebral tumours. 1. Stereotactic biopsy. **Acta Neurochir [Suppl] (Wien)** 1984;33:185–267
Cerebral tumors. 2. Stereotactic focal irradiation. **Acta Neurochir [Suppl] (Wien)** 1984;33:269–394
Morphologic evaluation of stereotactic brain tumour biopsies. Kleihues P, et al. **Acta Neurochir [Suppl] (Wien)** 1984; 33:171–81
A simple three–dimensional display model based on recorded CT scan films for surgical reference technical note. Okudera H, et al. **Acta Neurochir (Wien)** 1984;71(1–2):47–53
A stereotaxic technique for preoperative marking of non–palpable breast lesions. Svane G. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):145–51
Stereotaxic needle biopsy of non–palpable breast lesions. Cytologic and histopathologic findings. Svane G, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):283–8
Stereotaxic needle biopsy of non–palpable breast lesions. A clinical and radiologic follow–up. Svane G. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):385–90
Problems of stereotaxic operations in Parkinson's disease. Dvořák M, et al. **Acta Univ Palacki Olomuc Fac Med** 1976; 80:259–65
Possibilities of correction of stereotaxic coordinates by different skull's sizes of laboratory animals. Rozhold O, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:249–57
Proceedings of the meeting of the American Society for Stereotactic and Functional Neurosurgery. Durham, N.C., April 29–May 1, 1983. **Appl Neurophysiol** 1983; 46(1–4):1–244
Three–dimensional stereotactic anatomy of the human trigeminal nerve nuclear complex. Afshar F, et al. **Appl Neurophysiol** 1983;46(1–4):147–53
Stereotactic biopsy of cerebral space–occupying lesions. Bouvier G, et al. **Appl Neurophysiol** 1983;46(1–4):227–30
Stereotactic radiofrequency lesion making. Cosman ER, et al. **Appl Neurophysiol** 1983;46(1–4):160–6
Reliability of stereotactic biopsy. A model to test the value of diagnoses obtained from small fragments of nervous system tumors. de Divitiis E, et al. **Appl Neurophysiol** 1983; 46(5–6):295–303
Stereotactic neurosurgery and computerized tomographic scanning. Gildenberg PL. **Appl Neurophysiol** 1983; 46(1–4):170–9
Neuroanatomical digital image processing in CT–guided stereotactic operations. Giorgi C, et al. **Appl Neurophysiol** 1983;46(1–4):236–9
The role of stereotactic amygdalotomy in the treatment of temporal lobe epilepsy associated with behavioral disorders. Hood TW, et al. **Appl Neurophysiol** 1983; 46(1–4):19–25
Stereotactic localization of deep–seated arteriovenous malformations in the functional area. Yamada S, et al. **Appl Neurophysiol** 1983;46(1–4):231–5
Neuroleptic analgesia for stereotactic surgery. Zukic A, et al. **Appl Neurophysiol** 1983;46(1–4):167–9
Stereotaxic thalamotomy in 55 cases of dystonia. Andrew J, et al. **Brain** 1983 Dec;106 (Pt 4):981–1000
The correlation between tremor characteristics and the predicted volume of effective lesions in stereotaxic nucleus ventralis intermedius thalamotomy. Hirai T, et al. **Brain** 1983 Dec;106 (Pt 4):1001–18
Stereotactic brain biopsy using a narrow aperture computed tomography scanner. Thomson GS, et al. **Clin Radiol** 1984 May;35(3):209–14
CT adapted stereotaxy. Hitchon PW, et al. **Iowa Med** 1984 May;74(5):201–3
Stereotactic biopsy using computed tomography. Wunschik F, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):32–7
Stereotactic thalamotomy for the relief of intention tremor of multiple sclerosis. Speelman JD, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):596–9
The use of stereotaxic chemical hypophysectomy in the treatment of thalamic pain syndrome. Levin AB, et al. **J Neurosurg** 1983 Dec;59(6):1002–6
CT–guided stereotaxic evacuation of hypertensive intracerebral hematomas. Matsumoto K, et al. **J Neurosurg** 1984 Sep;61(3):440–8
Method of computed tomography–based stereotactic biopsy with arteriographic control. Kelly PJ, et al. **Neurosurgery** 1984 Feb;14(2):172–77

Computer simulation for the stereotactic placement of interstitial radionuclide sources into computed tomography-defined tumor volumes. Kelly PJ, et al. **Neurosurgery** 1984 Apr;14(4):442–8

Transposition of volumetric information derived from computed tomography scanning into stereotactic space. Kelly PJ, et al. **Surg Neurol** 1984 May;21(5):465–71

Stereotactic exploration of the brain in the era of computed tomography. Lunsford LD, et al. **Surg Neurol** 1984 Sep; 22(3):222–30

[Stereotaxic surgery in the treatment of extrapyramidal disorders] Wu SL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr; 16(2):73–6 (Eng. Abstr.) **(Chi)**

[Evaluation of stereotactic psychosurgery] Apo M, et al. **Duodecim** 1984;100(10):613–9 (Eng. Abstr.) **(Fin)**

[Multiple-beam stereotaxic irradiation] Betti O, et al. **Neurochirurgie** 1983;29(4):295–8 (Eng. Abstr.) **(Fre)**

[Digital roentgen video image processing for target calculation in stereotactic neurosurgery] Fröder M, et al. **ROFO** 1984 Jan;140(1):84–6 (Eng. Abstr.) **(Ger)**

[Biopsy and stereotaxic radiotherapy of cerebral gliomas] Colombo F, et al. **Minerva Med** 1984 May 19; 75(21):1327–31 (Eng. Abstr.) **(Ita)**

[CT guided stereotactic surgery—application to evacuation of intracerebral hematoma] Iseki H. **No Shinkei Geka** 1984 May;12(6):663–71 **(Jpn)**

[CT-guided stereotaxic brain tumor biopsy] Niizuma H, et al. **No Shinkei Geka** 1984 Jan;12(1):55–61 (Eng. Abstr.) **(Jpn)**

HISTORY

Discovery of the first human stereotactic instrument. Olivier A, et al. **Appl Neurophysiol** 1983;46(1–4):84–91

INSTRUMENTATION

Probe holder for stereotactic surgery in the CT scanner. A technical note. Lunsford LD, et al. **Acta Neurochir (Wien)** 1983;69(3–4):297–304

Stereotactic CT scan applied to stereotactic thalamotomy and biopsy. Ohye C, et al. **Acta Neurochir (Wien)** 1984; 71(1–2):55–68

Experience using two CT-guided stereotactic biopsy methods. Bullard DE, et al. **Appl Neurophysiol** 1983; 46(1–4):188–92

Digital radiography for target point evaluation in stereotactic neurosurgery. Fröder M, et al. **Appl Neurophysiol** 1983; 46(1–4):206–10

Computer graphics with computerized tomography for functional neurosurgery. Hardy TL, et al. **Appl Neurophysiol** 1983;46(1–4):217–26

Stereotactic CT scanning for the biopsy of intracranial lesions and functional neurosurgery. Kelly PJ, et al. **Appl Neurophysiol** 1983;46(1–4):193–9

Stereotactic systems and procedures for depth electrode placement: technical aspects. Olivier A, et al. **Appl Neurophysiol** 1983;46(1–4):37–40

A new head clamp for stereotactic and intracranial procedures. Technical note. Olivier A, et al. **Appl Neurophysiol** 1983;46(5–6):272–5

The role of computed tomographic and digital radiographic techniques in stereotactic procedures for electrode implantation and mapping, and lesion localization. Peters TM, et al. **Appl Neurophysiol** 1983;46(1–4):200–5

A multipurpose CT-guided stereotactic instrument of simple design. Van Buren JM, et al. **Appl Neurophysiol** 1983; 46(1–4):211–6

Stereotactic implantation of radioactive sources for the treatment of brain tumours. Karolis C, et al. **Australas Phys Eng Sci Med** 1983 Apr-Jun;6(2):59–63

Stereotaxic head restraint for chronic and semi-chronic marmoset and macaque monkeys. Blum B, et al. **Brain Res Bull** 1983 Sep;11(3):399–403

A goose head holder device for chronic experiments. Felix B, et al. **Brain Res Bull** 1984 May;12(5):577–80

A system for graphic representation during stereotaxic procedures. Johnston LE Jr, et al. **Brain Res Bull** 1984 Mar;12(3):335–7

C.T. aided stereotaxy for depth electrode implantation and biopsy. Peters TM, et al. **Can J Neurol Sci** 1983 Aug; 10(3):166–9

CT-guided stereotactic biopsies using a modified frame and Gildenberg techniques. Bullard DE, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):590–5

Stereotactic radiosurgery. Leksell L. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):797–803

CT-guided stereotactic neurosurgery: experience in 24 cases with a new stereotactic system. Thomas DG, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):9–16

Stereotaxis. Marinari B. **J Neurosurg Nurs** 1984 Jun; 16(3):140–4

Head-holder interfacing computed tomography with Talairach stereotactic frame. Motti ED, et al. **J Neurosurg Sci** 1983 Jul-Sep;27(3):219–23

Curved biopsy needle for stereotactic surgery: a technical note. Levy WJ, et al. **Neurosurgery** 1984 Jul;15(1):82–5

Stereotactic implantation of deep brain electrodes using computed tomography. Lunsford LD, et al. **Neurosurgery** 1983 Sep;13(3):280–6

[Device for stereotaxic removal of intracerebral hematomas] Peresedov VV, et al. **Zh Vopr Neirokhir** 1983 Nov-Dec; (6):53–5 **(Rus)**

[Attachment to the head of stereotaxic apparatus SEZh-3] Korletianu AN, et al. **Zh Vyssh Nerv Deist** 1983 Nov-Dec; 33(6):1177–8 **(Rus)**

TRENDS

[Changing feature of functional neurosurgery] Ohye C. **No Shinkei Geka** 1984 Mar;12(3 Suppl):227–36 **(Jpn)**

STEREOTYPED BEHAVIOR

Repetitive stereotyped behaviors. Berkson G. **Am J Ment Defic** 1983 Nov;88(3):239–46

Stereotypic responding: a review of intervention research. LaGrow SJ, et al. **Am J Ment Defic** 1984 May; 88(6):595–609 (43 ref.)

Using water mist to reduce self-injurious and stereotypic behavior. Bailey SL, et al. **Appl Res Ment Retard** 1983; 4(3):229–41

Modulation of turning preferences by learning. Glick SD, et al. **Behav Brain Res** 1984 Jun;12(3):335–7

Role of the substantia nigra in audiogenic seizures: a neuroethological analysis in the rat. Garcia-Cairasco N, et al. **Braz J Med Biol Res** 1983 Jul;16(2):171–83

Head-banging with subsequent hemoglobinuria and acute renal failure. Blaser S, et al. **Cleve Clin Q** 1983 Fall; 50(3):347–50

An observational study of stereotypic behavior and proximity related to the occurrence of autistic child-family member interactions. Donnellan AM, et al. **J Autism Dev Disord** 1984 Jun;14(2):205–10

The reduction of stereotypic screaming in a severely retarded boy through a visual screening procedure. Dick DM, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):363–7

Elimination of nocturnal headbanging in a normal seven-year-old girl using overcorrection plus rewards. Strauss CC, et al. **J Behav Ther Exp Psychiatry** 1983 Sep; 14(3):269–73 (7 ref.)

The physiology of wandering behaviour in Manduca sexta. I. Temporal organization and the influence of the internal and external environments. Dominick OS, et al. **J Exp Biol** 1984 May;110:35–51

Mechanism for testing operant conditioning and body rocking in developmental disabilities. Aman MG. **Percept Mot Skills** 1984 Jun;58(3):751–6

An automated method for measurement of circling behavior in the mouse. Torello MW, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):13–7

Stereotyped responding by schizophrenic patients on a two-choice guessing task. Frith CD, et al. **Psychol Med** 1983 Nov;13(4):779–86

DRUG EFFECTS

Relationship of sedative-hypnotic response to self-injurious behavior and stereotypy by mentally retarded clients. Barron J, et al. **Am J Ment Defic** 1983 Sep;88(2):177–86

Stereotypy, locomotor and cataleptic effects produced by drugs influencing dopaminergic systems in a mutant strain of Wistar rats: a genuine model of basal ganglia dysfunction? Turski L, et al. **Behav Brain Res** 1984 Apr; 12(1):29–37

The modulation of the dorsal immobility response in the adult male Wistar rat: the opposite effects of ACTH4-10 and [D-Phe7]ACTH4-10. Meyer ME, et al. **Behav Neural Biol** 1983 Jul;38(2):194–204

Changes in apomorphine-induced stereotypy as a result of subacute neuroleptic treatment correlates with increased D-2 receptors, but not with increases in D-1 receptors. Fleminger S, et al. **Biochem Pharmacol** 1983 Oct 1; 32(19):2921–7

In vivo electrochemical and behavioral evidence for specific neural substrates modulated differentially by enkephalin in rat stimulant stereotypy and locomotion. Broderick PA, et al. **Biol Psychiatry** 1984 Jan;19(1):45–54

gamma-Butyrolactone effects on behavior induced by dopamine agonists. Ellinwood EH Jr, et al. **Biol Psychiatry** 1983 Sep;18(9):1023–32

Drug holidays alter onset of oral movements in rats following chronic haloperidol. Sant WW 3d, et al. **Biol Psychiatry** 1984 Jan;19(1):95–9

Behavioral supersensitivity to beta-phenylethylamine after chronic administration of haloperidol. Stoff DM, et al. **Biol Psychiatry** 1984 Jan;19(1):101–6

Effects of chronic lithium treatment on dopamine receptors in the rat corpus striatum. I. Locomotor activity and behavioral supersensitivity. Staunton DA, et al. **Brain Res** 1982 Jan 28;232(2):391–400

Effects of chronic lithium treatment on dopamine receptors in the rat corpus striatum. II. No effect on denervation or neuroleptic-induced supersensitivity. Staunton DA, et al. **Brain Res** 1982 Jan 28;232(2):401–12

The effect of fasting on the stereotyped behaviour induced by amphetamine and by apomorphine in the albino rat. Fuenmayor LD, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2–3):153–8

Estrogen treatment increases the oral component of apomorphine-induced stereotypy. Johnson NJ, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):181–8

Sex-dependent differences in the pharmacological actions and pharmacokinetics of phencyclidine in rats. Nabeshima T, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):217–27

Effect of lesions in the striatum, nucleus accumbens and medial raphe on phencyclidine-induced stereotyped behaviors and hyperactivity in rats. Nabeshima T, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):455–62

Phencyclidine-induced stereotyped behaviors in rats following specific neurotoxin lesions of the striatum. Nabeshima T, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3–4):229–34

Changes in amphetamine-induced anorexia and stereotypy during chronic treatment with antidepressant drugs. Willner P, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):397–406

Turning behavior, barrel rolling, and sensory neglect induced by picrotoxin in the thalamus. Zainos A, et al. **Exp Neurol** 1984 Mar;83(3):534–47

The pharmacology of khat. Kalix P. **Gen Pharmacol** 1984; 15(3):179–87 (68 ref.)

Prostaglandin synthesis inhibitors antagonise amphetamine stereotypy in rats. Rao YV, et al. **Indian J Exp Biol** 1983 Jun;21(6):355–6

Effects of stimulant drugs [letter] Huessy HR. **J Autism Dev Disord** 1983 Sep;13(3):334

'Addiction' to a strait jacket: a case report of treatment of self-injurious behaviour in an autistic child. Kinnell HG. **J Ment Defic Res** 1984 Mar;28 (Pt 1):77–9

Classical conditioning, decay and extinction of cocaine-induced hyperactivity and stereotypy. Barr GA, et al. **Life Sci** 1983 Oct 3;33(14):1341–51

Sex steroid modulation of the serotonin behavioral syndrome. Fischette CT, et al. **Life Sci** 1984 Sep 10;35(11):1197–206

Neuroleptic-induced dopamine hyposensitivity. Goetz CG, et al. **Life Sci** 1984 Apr 9;34(15):1475–9

Naloxone-precipitated abstinence in mice, rats and gerbils acutely dependent on morphine. Ramabadran K. **Life Sci** 1983;33 Suppl 1:385–8

Morphine tolerance and withdrawal in capsaicin--pretreated rats. Szikszay M, et al. **Life Sci** 1983;33 Suppl 1:377–80

Quasi-morphine withdrawal behaviour: indication for a specific involvement of the GABA-ergic nerve terminal compartment. van der Laan JW. **Life Sci** 1983;33 Suppl 1:389–92

Determination of functionally-relevant serum levels of MJ 13859-1 in the dog: relationship to blockade of amphetamine stereotypy. Eison MS, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):255–9

Alteration of morphine withdrawal to naloxone by interferon. Dafny N, et al. **Neuropeptides** 1983 Oct;3(6):453–63

Effect of alpha-difluoromethylornithine (DFMO) on the behavioral syndrome induced by intracerebroventricular injection of ACTH 1-24, in rats. Genedani S, et al. **Neuropeptides** 1984 May;4(3):247–50

Neuropeptides related to neurohypophyseal hormones interfere with apomorphine-induced behavioral changes. Xiao XS, et al. **Neuropeptides** 1984 May;4(3):237–45

Effect of naloxone and morphine on dopamine agonist-induced stereotypy in rats and guinea pigs. Feigenbaum J, et al. **Neuropharmacology** 1983 Dec; 22(12A):1369–76

Neurotensin affects hyperactivity but not stereotypy induced by pre and post synaptic dopaminergic stimulation. Jolicoeur FB, et al. **Neurosci Biobehav Rev** 1983 Fall; 7(3):385–90

Comparison of the effects of TRH and D-Ala2-metenkephalinamide on hippocampal electrical activity and behavior in the unanesthetized rat. Drust EG, et al. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):239–43

T-maze learning, spontaneous activity and food intake recovery following systemic administration of the noradrenaline neurotoxin, DSP4. Archer T, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):121–30

Automated analysis of stereotypic behavior induced by psychomotor stimulants. Brann MR, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):57–62

Hypodipsia, stereotypy and hyperactivity induced by beta-phenylethylamine in the water-deprived rat. Cooper SJ, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):1–7

Apomorphine effects on behavioral response to ethanol in mice selectively bred for differential sensitivity to ethanol. Dudek BC, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):91–4

An in-vivo method for testing drugs that influence striatal dopaminergic functions. Fung YK, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):231–4

Hypophysectomy-induced striatal hypersensitivity and mesolimbic hyposensitivity to apomorphine. Gordon JH. **Pharmacol Biochem Behav** 1983 Nov;19(5):807–11

The effects of chronic haloperidol administration on GABA receptor binding. Huffman RD, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):199–204

Estradiol application to one striatum produces postural deviation to systemic apomorphine. Joyce JN, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):575–81

Blockade of MK-801 induced ipsiversive turning in 6-OHDA lesioned rats by alpha 1-adrenoceptor antagonists. Martin GE, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):893–7

Potentiation of apomorphine-induced stereotypies by naloxone and L-prolyl-L-leucyl-glycinamide. Quock RM, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):49–52

Atypical neuroleptics clozapine and thioridazine enhance amphetamine-induced stereotypy. Robertson A, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):97–101

Facilitation by alpha-adrenolytics of apomorphine gnawing behavior: depression of threshold apomorphine concentration in the striatum of the rat. Wiszniowska-Szafraniec G, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):19-21

Short term augmentation of amphetamine-induced rotation bias. Elias JW, et al. **Physiol Behav** 1983 Nov;31(5):639-42

Is there a relationship between social isolation, cognitive inflexibility, and behavioral stereotypy? An analysis of the effects of amphetamine in the marmoset. Ridley RM, et al. **Prog Clin Biol Res** 1983;131:101-35 (98 ref.)

Effects of naloxone on methamphetamine and apomorphine stereotypy and on haloperidol catalepsy in rats. Balsara JJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):237-40

The relationship between stereotypy and memory improvement produced by amphetamine. Carr GD, et al. **Psychopharmacology (Berlin)** 1984;82(3):203-9

The effect of reserpine on concurrent repeated administration of d-amphetamine. Dougherty GG, et al. **Psychopharmacology (Berlin)** 1984;82(4):327-9

Differences in the stereotypy response but not the hypomotility response to apomorphine in the Roman High and Low avoiding strains of rats. Durcan MJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):215-20

Vasopressin injected into the hypothalamus triggers a stereotypic behavior in golden hamsters. Ferris CF, et al. **Science** 1984 May 4;224(4648):521-3

[A new bioclinical approach in psychiatry. Stereotyped behavior, psychic and behavioral disorganization, and amphetamines] Marchais P, et al. **Ann Med Psychol (Paris)** 1983 Jul-Aug;141(7):758-70 **(Fre)**

[Antiserotonergic effect of antidepressives in L-5-HTP-induced head shaking behavior in the rat] Fischer W, et al. **Pharmazie** 1984 Apr;39(4):277-8 **(Ger)**

[Effect of dopamine intracerebrally injected by the Valzelli method on methamphetamine-stereotypy and hypermotility] Nomura Y, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):25-37 (Eng. Abstr.) **(Jpn)**

[Synthesis and the effect of new perhydro-1,4,7-oxadiazonine derivatives on the central nervous system] Mikiciuk-Olasik E, et al. **Acta Pol Pharm** 1983;40(4):435-44 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Chronic stress enhances apomorphine-induced stereotyped behavior in mice: involvement of endogenous opioids. Cabib S, et al. **Brain Res** 1984 Apr 23;298(1):138-40

Genetic control of apomorphine-induced climbing behavior in two inbred mouse strains. Kendler KS, et al. **Brain Res** 1984 Feb 20;293(2):343-51

Neonatal tail posture and its relationship to striatal dopamine asymmetry in the rat. Rosen GD, et al. **Brain Res** 1984 Apr 16;297(2):305-8

Effects of reducing sensory-motor feedback on the appearance of crossed nigro-thalamic projections and recovery from turning induced by unilateral substantia nigra lesions. Morgan S, et al. **Brain Res Bull** 1983 Dec; 11(6):721-7

Reversal of amphetamine-induced circling preference in trained circling rats. Yamamoto BK, et al. **Life Sci** 1984 Feb 13;34(7):675-82

Reptilian behavioural patterns in childhood autism. Thong YH. **Med Hypotheses** 1984 Apr;13(4):399-405

Unilateral striatal dopamine denervation: reduced motor inhibitory effects of dopamine antagonists revealed in models of asymmetric and circling behaviour. Costall B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):29-35

Roles of dopamine and 5-hydroxytryptamine in stereotyped and non-stereotyped behaviour. Dickinson SL, et al. **Neuropharmacology** 1983 Jul;22(7):805-12

The pathogenesis of stereotypic behavior. Kryzhanovskii GN, et al. **Neurosci Behav Physiol** 1984 May-Jun; 14(3):232-40

Dissociation of stimulation-bound feeding and apomorphine-induced gnawing by lesions of superior colliculus. Dean P, et al. **Physiol Behav** 1984 Mar; 32(3):417-22

[Participation of the globus pallidus in the organization of stereotyped behavior in the cat] Arushanian EB, et al. **Zh Vysh Nerv Deiat** 1984 Jan-Feb;34(1):138-45 (Eng. Abstr.) **(Rus)**

THERAPY

The influence of vigorous versus mild exercise on autistic stereotyped behaviors. Kern L, et al. **J Autism Dev Disord** 1984 Mar;14(1):57-67

STEREOTYPING

The physiognomic basis of sexual stereotyping. Nakdimen KA. **Am J Psychiatry** 1984 Apr;141(4):499-503

Sexual orientation and sex role conformity. Stokes K, et al. **Arch Sex Behav** 1983 Oct;12(5):427-33

Consensus grids: what about the variance? Beail N. **Br J Med Psychol** 1984 Jun;57 (Pt 2):193-5

Sex stereotype effects in children's picture recognition. Cann A, et al. **Child Dev** 1984 Jun;55(3):1085-90

Histrionic personality and antisocial personality: caricatures of stereotypes? Slavney PR. **Compr Psychiatry** 1984 Mar-Apr;25(2):129-41

Elementary public school teachers' attitudes toward elderly women and men: sex stereotypic? Ortmeyer LE. **Gerontol Geriatr Educ** 1983 Fall;4(1):111-7

Depictions of aging and old age on Saturday morning television. Bishop JM, et al. **Gerontologist** 1984 Feb; 24(1):91-4

Donald P. Kent memorial lecture. Can we invalidate negative stereotypes of aging? Tibbitts C. **Gerontologist** 1979 Feb; 19(1):10-20

The relationships of age, sex, ethnicity, and weight to stereotypes of obesity and self perception. Harris MB, et al. **Int J Obes** 1983;7(4):361-71

Self-image disparity, ethnic identity and sex-role stereotypes in British and Cypriot adolescents. Furnham A, et al. **J Adolesc** 1983 Sep;6(3):275-92

Sex role stereotypes and choice of physician. Harris MB, et al. **J Am Med Wom Assoc** 1983 Nov-Dec;38(6):149-54

Effects of labelling on income, work and social function among hypertensive employees. Johnston ME, et al. **J Chronic Dis** 1984;37(6):417-23

Sex role stereotypes, gender identity and parental relationships in male homosexuals and heterosexuals. Mallen CA. **J Homosex** 1983 Fall;9(1):55-74

Conceptions of masculinity and femininity as a basis for stereotypes of male and female homosexuals. Taylor A. **J Homosex** 1983 Fall;9(1):37-53

Sex stereotypes in the self- and ideal descriptions of physician's assistant students. Davis SW, et al. **J Med Educ** 1984 Aug;59(8):678-80

Sex role identity and sex-stereotyped tasks in the development of learned helplessness in women. Baucom DH, et al. **J Pers Soc Psychol** 1984 Feb;46(2):422-30

Effect of schema-incongruent information on memory for stereotypical attributes. O'Sullivan CS, et al. **J Pers Soc Psychol** 1984 Jul;47(1):55-70

Age stereotypes held by student nurses. Goebel BL. **J Psychol** 1984 Mar;116(2d Half):249-54

The problem of professional labeling. Hagey RS, et al. **Nurs Outlook** 1984 May-Jun;32(3):151-7

Effects of sex-role stereotypes and androgynous alternatives on mental health judgments of psychotherapists. Swenson EV, et al. **Psychol Rep** 1984 Apr;54(2):475-81

Sex-stereotyping and sex-congruency: components in the sex role definition of medical specialties in India. Bhargava G. **Soc Sci Med** 1983;17(15):1017-26

STERIGMATOCYSTIN see under **XANTHENES**

STERILITY see **INFERTILITY**

STERILITY, FEMALE see **INFERTILITY, FEMALE**

STERILITY, MALE see **INFERTILITY, MALE**

STERILIZATION

Heat eradication measures for control of nosocomial Legionnaires' disease. Implementation, education, and cost analysis. Best M, et al. **Am J Infect Control** 1984 Feb; 12(1):26-30

The universal sterilization principle and a corollary. Furnas DW. **Ann Plast Surg** 1984 Apr;12(4):387-93

Cleaning and processing anesthesia equipment. Proposed recommended practices. **AORN J** 1984 Jan;39(1):92-3,96-8

Four experts talk about: reprocessing disposable items. Koch F, et al. **AORN J** 1983 Sep;38(3):427-9, 432, 434 passim

Autoclave sterilization of polypropylene plasma separator. Sato H, et al. **Artif Organs** 1984 Feb;8(1):97-9

Release of gas residues from an ethylene oxide sterilized haemodialyser. Hoy K, et al. **Biomaterials** 1983 Oct; 4(4):321-2

Factor VIII concentrate from cold sterilized human plasma. Stephan W, et al. **Dev Biol Stand** 1983;54:491-5

Inactivation of hepatitis A virus added to pooled human plasma by beta-propiolactone treatment and ultraviolet irradiation [letter] Frösner GG, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):355-7

Scandinavian experience differs [letter] Nyström B. **Infect Control** 1984 May;5(5):211

Sister chromatid exchange frequency in workers exposed to high levels of ethylene oxide, in a hospital sterilization service. Laurent C, et al. **Int Arch Occup Environ Health** 1984;54(1):33-43

Sterilization of MacConkey agar and CLED medium by gamma-radiation. Bogokowsky B, et al. **Int J Appl Radiat Isot** 1983 Oct;34(10):1441-3

Injectable debris associated with dental anesthetic delivery. Kelly JR, et al. **J Am Dent Assoc** 1984 Apr;108(4):621-4

The thermal death time curve for foot-and-mouth disease virus contained in primarily infected milk. Walker JS, et al. **J Biol Stand** 1984;12(2):185-9

Crosslinked agarose encapsulated sorbents resistant to steam sterilization. Preparation and mechanical properties. de Koning HW, et al. **J Biomed Mater Res** 1984 Jan;18(1):1-13

Evaluation of linear dodecyl benzene sulfonic acid as a teat dip in a commercial dairy. Pankey JW, et al. **J Dairy Sci** 1984 Jun;67(6):1354-8

Electrocoagulation in a sterile surgical field. Sebben JE. **J Dermatol Surg Oncol** 1984 Aug;10(8):603-4

Bacterial contamination of sheathed thermometers [letter] Soltero DJ, et al. **J Fam Pract** 1984 Feb;18(2):202-4

Terminology and skin disinfection. Taylor J, et al. **J Hosp Infect** 1983 Sep;4(3):323

The sterilizing capacity of propylene oxide and chlorhexidine diacetate solutions upon pre-injection swabs saturated with propan-2-ol. Wright RC. **J Hyg (Lond)** 1983 Oct; 91(2):287-92

Risk of serum hepatitis following laparoscopic sterilisation [letter] Athale SM. **J Indian Med Assoc** 1983 Oct; 81(7-8):147-8

Normal sister chromatid exchange levels in hospital sterilization employees exposed to ethylene oxide. Hansen JP, et al. **J Occup Med** 1984 Jan;26(1):29-32

Start-up of sterile products production in international facilities. Fourman GL. **J Parenter Sci Technol** 1983 Jul-Aug;37(4):132-7

The preparation and properties of sterile intravenous emulsions. Hansrani PK, et al. **J Parenter Sci Technol** 1983 Jul-Aug;37(4):145-50

A multicentred investigation of clean air requirements for terminally sterilized pharmaceuticals. Whyte W. **J Parenter Sci Technol** 1983 Jul-Aug;37(4):138-44

Catheter-associated bacteriuria. Failure to reduce attack rates using periodic instillations of a disinfectant into urinary drainage systems. Thompson RL, et al. **JAMA** 1984 Feb 10;251(6):747-51

[Spoilage microorganisms encountered in ultra-high temperature processed milk] Lee CM. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):86-91 (Eng. Abstr.) **(Chi)**

[Experimental studies on sterilization of Chinese crude drugs with ethylene oxide] Yan DB. **Chung Yao Tung Pao** 1983 Jan;8(1):13-6 **(Chi)**

[Evaluation of the possible use of glutaraldehyde for disinfection and sterilization] Kneiflová J. **Cas Lek Cesk** 1984 May 11;123(19):570-1 (Eng. Abstr.) **(Cze)**

[The effect of a single disinfection of a farm on cryptosporidiosis infection in calves] Pavlásek I, et al. **Vet Med (Praha)** 1983 Aug;28(8):449-55 (Eng. Abstr.) **(Cze)**

[Determination of ethylene oxide in gas-sterilized lenses--a possible cause of inflammatory reactions following intraocular lens implantation?] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1984;81(2):140-2 (Eng. Abstr.) **(Ger)**

[The autogenous autoclaved incus] Müller-Hermann E. **Laryngol Rhinol Otol (Stuttg)** 1983 Aug;62(8):369-70 (Eng. Abstr.) **(Ger)**

[Formaldehyde sediment in incubators following disinfection] Wartner R, et al. **Monatsschr Kinderheilkd** 1983 Dec; 131(12):839-43 (Eng. Abstr.) **(Ger)**

[Influence of sanitary and antibiotic regimes on the bacterial flora of premature and newborn infants under hospital care] Handrick W, et al. **Z Gesamte Hyg** 1984 Jan;30(1):8-13 (Eng. Abstr.) **(Ger)**

[Sterile packaging for sterilization with formaldehyde] Steiger E, et al. **Z Gesamte Hyg** 1984 Jan;30(1):47-8 (Eng. Abstr.) **(Ger)**

[Experience with sterilization in therapeutico-preventive care] Taar I. **Orv Hetil** 1984 Jan 8;125(2):83-8 (Eng. Abstr.) **(Hun)**

[Analysis of the untreated and treated sewage of the city of Bologna. II. Chlorine dioxide in the disinfection of the secondary effuent from an activated sludge proccess in the biological purificationof sewage waters] Bernagozzi M, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2-3):259-83 (Eng. Abstr.) **(Ita)**

[Preparation of bioindicators for controlling the efficacy of sterilization processes] Kalinina NM, et al. **Antibiotiki** 1983 Aug;28(8):600-5 (Eng. Abstr.) **(Rus)**

[Kinetic patterns of thermal sterilization] Munblit VIa, et al. **Dokl Akad Nauk SSSR** 1983;273(3):729-33 **(Rus)**

ADVERSE EFFECTS

[Lung injury after use of respiratory revival materials sterilized with ethylene oxide] Castot A, et al. **Toxicol Eur Res** 1983 May;5(3):127-30 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Ethylene oxide dispersion from gas sterilizers [letter] Buonicore AJ. **Am Ind Hyg Assoc J** 1984 Mar;45(3):B-14

Estimation of cumulative exposures to ethylene oxide associated with hospital sterilizer operation. Hines CJ, et al. **Am Ind Hyg Assoc J** 1984 Jan;45(1):44-7

Ethylene oxide dispersion from gas sterilizers. Korpela DB, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):589-91

Persistent isolation of an unusual Pseudomonas species from a phenolic disinfectant system. Newman KA, et al. **Infect Control** 1984 May;5(5):219-22

Comparison of automated systems for the cleaning and disinfection of flexible fibreoptic endoscopes. Babb JR, et al. **J Hosp Infect** 1984 Jun;5(2):213-26

Development of a laboratory autoclave system. Oates K, et al. **J Hosp Infect** 1983 Jun;4(2):181-9

The Water for Injection System at the Upjohn Company. Coates JL, et al. **J Parenter Sci Technol** 1983 Jul-Aug; 37(4):113-6

Optimization of autoclave cycles and selection of formulation for parenteral products, Part III: Effect of formulation variables on sporicidal kinetics. Wang YJ, et al.

J Parenter Sci Technol 1984 Mar–Apr;38(2):78–82

Optimization of autoclave cycles and selection of formulation for parenteral products, Part II: Effect of counter-ion on pH and stability of diatrizoic acid at autoclave temperatures. Wang YJ, et al. **J Parenter Sci Technol** 1984 Mar–Apr;38(2):72–7

Optimization of autoclave cycles and selection of formulation for parenteral products, Part I: Identification of autoclave conditions by a nonisothermal approach. Wang YJ, et al. **J Parenter Sci Technol** 1984 Mar–Apr;38(2):68–72

Formaldehyde emitted by chemical vapor sterilizers. Cooley RL, et al. **Oral Surg** 1984 Jan;57(1):28–30

Fan-assisted hot-air ovens as sterilizers in doctors' surgeries. Gordon VN, et al. **S Afr Med J** 1984 Sep 1;66(9):336–7

[Apparatus for sterilizing bacteriological loops] Chmelař D. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):187–8 **(Cze)**

[Microbial colonization of the walls of a copper pipeline in a central disinfection dosage unit] Exner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):170–81 (Eng. Abstr.) **(Ger)**

[Device for nonthermal sterilization of solutions] Bilichenko TN, et al. **Klin Khir** 1984 Mar;(3):66 **(Rus)**

METHODS

Sterilization and long-term storage of the dura mater in liquid media. Livshin LJ, et al. **Acta Chir Plast (Prague)** 1984; 26(2):69–71

Steam sterilization of air turbine dental handpieces. Edwardsson S, et al. **Acta Odontol Scand** 1983 Dec; 41(6):321–6

Preparation and sterilization by filtration of Renacidin irrigation. Newton DW, et al. **Am J Hosp Pharm** 1984 Jan; 41(1):121–4

Pasteurization of naturally contaminated water with solar energy. Ciochetti DA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):223–8

Improved system for floor cleaning in health care facilities. Schmidt EA, et al. **Appl Environ Microbiol** 1984 May; 47(5):942–6

Ethylene chlorohydrin formation in radiation- and ethylene oxide-sterilized poly(vinyl chloride). Handlos V. **Biomaterials** 1984 Mar;5(2):86–8

Technical aspects of gaseous formaldehyde as a sterilant. Handlos V. **Biomaterials** 1984 Mar;5(2):81–5

Tonometer disinfection and viruses. Nagington J, et al. **Br J Ophthalmol** 1983 Oct;67(10):674–6

Gastrointestinal endoscopy: infection and disinfection. O'Connor HJ, et al. **Gut** 1983 Nov;24(11):1067–77 (126 ref.)

Rationale and testing of degerming procedures. Reber H. **Infect Control** 1984 Jan;5(1):28–31

Bleach usage for CJD disinfection [letter] Scheidt A. **Infect Control** 1984 Jul;5(7):314

Improvement of human melanoma colony formation in soft agar using boiled instead of autoclaved agar. Thomson SP, et al. **Int J Cell Cloning** 1983 Jun;1(2):85–91

The effect of selective decontamination of the digestive tract on colonisation and infection rate in multiple trauma patients. Stoutenbeek CP, et al. **Intensive Care Med** 1984; 10(4):185–92

Studies of residual alkali on intraocular lenses sterilized with NaOH. Galin MA, et al. **J Am Intraocul Implant Soc** 1983 Summer;9(3):290–2

Evaluation of a surfactant mixture C31G as a teat dip by a modified excised teat model. Amin MM, et al. **J Dairy Sci** 1984 Feb;67(2):421–6

Uptake on postmilking teat antisepsis. Pankey JW, et al. **J Dairy Sci** 1984 Jun;67(6):1336–53 (90 ref.)

Disinfection of respirator tubing: a comparison of chemical versus hot water machine-assisted processing. Gurevich I, et al. **J Hosp Infect** 1983 Jun;4(2):199–208

Whole body disinfection with chlorhexidine: is shower bathing more effective than bathing? Mitchell NJ. **J Hosp Infect** 1984 Mar;5(1):96–9

Disinfection in bed-pan washers. Nyström B. **J Hosp Infect** 1983 Jun;4(2):191–8

Low temperature steam and formaldehyde sterilization. Robertshaw RG. **J Hosp Infect** 1983 Sep;4(3):305–14

Physico-chemical and toxicologo-hygienic aspects of using ethylene oxide for the sterilization of medical appliances. Part I. Sorption and diffusion of ethylene oxide in polymeric materials. Lyarskii PP, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):119–28

Disinfection procedures and infection control in the outpatient oral surgery practice. Reingold AL, et al. **J Oral Maxillofac Surg** 1984 Sep;42(9):568–72

A simple means of maintaining light handle sterility. Singer RS, et al. **J Oral Maxillofac Surg** 1984 Apr;42(4):269

The development of a biological indicator for validating ultraviolet radiation sterilization of polyethylene bottles. Abshire RL, et al. **J Parenter Sci Technol** 1983 Sep–Oct; 37(5):191–7

An examination of the sterilization of eye drops using ultra-violet light. Box JA, et al. **J Parenter Sci Technol** 1984 May–Jun;38(3):115–21

Validation of filtration processes used for sterilization of liquids. Hardwidge EA, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):37–43

Rapid high-temperature treatment of human milk. Goldblum RM, et al. **J Pediatr** 1984 Mar;104(3):380–5

Sterilization of complete dentures with sodium hypochlorite. Rudd RW, et al. **J Prosthet Dent** 1984 Mar;51(3):318–21

Disinfecting endoscopes used on hepatitis B carriers [letter] O'Connor HJ, et al. **Lancet** 1984 Mar 17;1(8377):631

Non-A, non-B hepatitis from intravenous immunoglobulins [letter] Stephan W, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1488

Evaluation of chemical aerosol spray disinfection in the operating room. Nagai I, et al. **Med J Osaka Univ** 1983 Sep;34(1–2):27–31

Autosterilizing CAPD connection systems. Buoncristiani U, et al. **Nephron** 1983;35(4):244–7

Hepatitis B [letter] Ferguson JW. **NZ Dent J** 1984 Apr; 80(360):55–6

Preparation of amniotic membranes for surgical use with antibiotic solutions. Gannaway WL, et al. **Surgery** 1984 May;95(5):580–5

Clinical observations on sterilizing cystoscopes with glutaraldehyde-phenate [letter] Hagan KW. **Urology** 1984 Feb;23(2):224

[Problems of microbial contamination and sterility when administering drugs intravenously] Opulchenova G, et al. **Khirurgiia (Sofiia)** 1983;36(5):471–4 (22 ref.) **(Bul)**

[Disinfection of endoscopy instruments] Jirásek V. **Cesk Gastroenterol Vyz** 1983 Aug;37(5):333–40 **(Cze)**

[Role of a hygiene department in the control of respirator disinfection] Zourbas J, et al. **Ann Fr Anesth Reanim** 1983; 2(4):317–24 (Eng. Abstr.) **(Fre)**

[Control of the efficacy of sterility protectors] Bernard J, et al. **Ann Pharm Fr** 1983;41(2):185–92 (Eng. Abstr.) **(Fre)**

[Validation of a steam sterilization cycle] Odlaug T, et al. **Ann Pharm Fr** 1983;41(6):507–16 (Eng. Abstr.) **(Fre)**

[Advantages and disadvantages of ethylene oxide sterilization of medicosurgical equipment and pharmaceutical products] Chaigneau M. **Bull Acad Natl Med (Paris)** 1983 Jun; 167(6):627–31 (Eng. Abstr.) **(Fre)**

[Septic potential of tonometers and triple-mirror glasses] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 1983 Mar; 83(3):411–2, 415–6 (Eng. Abstr.) **(Fre)**

[Disinfection of silicone impressions, the study of their form stability and compatibility with plaster of Paris] Bössmann K, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):742–8 (Eng. Abstr.) **(Ger)**

[Sterile packing materials for formaldehyde sterilization] Fleck H, et al. **Pharmazie** 1983 Aug;38(8):559–60 (Eng. Abstr.) **(Ger)**

[Rapid sterilization of small instruments using a dry heat contact method. (Preliminary report)] Horn H, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):455–6 **(Ger)**

[The contribution of Robert Koch to the founding of the doctrine of disinfection and present priorities in disinfection research and practice] Weuffen W. **Z Erkr Atmungsorgane** 1983;161(1):28–35 (Eng. Abstr.) **(Ger)**

[Use of hydrogen peroxide in the disinfection of water in sauna dipping pools] Jessen HJ. **Z Gesamte Hyg** 1984 Feb; 30(2):111–4 (Eng. Abstr.) **(Ger)**

[Experiments in the combination of Haemo-Sol, a special detergent for laboratory glassware and surgical instruments, with instrument disinfectants—indications for medical practice] Mielke U, et al. **Z Gesamte Hyg** 1984 Jan;30(1):44–6 (Eng. Abstr.) **(Ger)**

[Sterilization with formaldehyde vapors in a hypobaric procedure: microbiologic and toxicologic aspects] Fleck H, et al. **Z Urol Nephrol** 1984 Jun;77(6):363–72 (Eng. Abstr.) **(Ger)**

[Disinfection of dental turbines] Sprössig M, et al. **Zahn Mund Kieferheilkd** 1983;71(5):458–62 (Eng. Abstr.) **(Ger)**

[Evaluation of the use of bioindicators of spore-containing soil for the evaluation of steam sterilization in general practice conditions] Bergmann HJ. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):130–8 (Eng. Abstr.) **(Ger)**

[A simple wash technic for the recovery of test pathogens in the evaluation of surface disinfection procedures] Koller W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):112–24 (Eng. Abstr.) **(Ger)**

[Dependency of a microbiological test of a formaldehyde gas sterilization procedure on the shape of objects to be sterilized] Spicher G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):419–35 (Eng. Abstr.) **(Ger)**

[Disinfection of the dental instrumentarium. The hypothesis of its rationalization] Lomagno P, et al. **Minerva Stomatol** 1984 Jan–Feb;33(1):27–30 (Eng. Abstr.) **(Ita)**

[Radio-sterilization of medical products. IX. Migration of plasticizer from the blood tubing irradiated by gamma-ray of 60-Co] Tsuji K, et al. **Eisei Shikenjo Hokoku** 1983; (101):23–6 (Eng. Abstr.) **(Jpn)**

[Radiolysis of acrinol in radio-sterilization of acrinol pharmaceuticals] Kimura S, et al. **Radioisotopes** 1983 Nov; 32(11):539–45 (Eng. Abstr.) **(Jpn)**

[Radiation sterilization of medical equipment] Sato K. **Radioisotopes** 1983 Sep;32(9):431–40 (124 ref.) **(Jpn)**

[Hygienic evaluation of the effectiveness of sewage disinfection with calcium oxide] Gabrilevskaia LN, et al. **Gig Sanit** 1984 Feb;(2):66–7 **(Rus)**

[Chemical method of sterilizing plastic bacteriological dishes] Bilich BE, et al. **Lab Delo** 1984;(3):176–8 (Eng. Abstr.) **(Rus)**

[Sterilization of rubber medical equipment with formaldehyde] Frosin VK, et al. **Med Tekh** 1983 Nov–Dec; (6):22–7 (Eng. Abstr.) **(Rus)**

[Ways of improving bacteriological control in operating rooms] Nikishin VK, et al. **Vestn Khir** 1984 Mar; 132(3):129–30 **(Rus)**

[Disinfection in the control of acute respiratory tract diseases] Gorovenko AA. **Voen Med Zh** 1983 Sep;(9):37–8 **(Rus)**

[Disinfection of small volumes of feed and litter material for laboratory animals in vivaria] Beliakov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):52–5 (Eng. Abstr.) **(Rus)**

STANDARDS

Comparative thermoresistance of two biological indicators for monitoring steam autoclaves. I. Comparison performed in a gravity BIER/Steam Vessel. Skaug N, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):435–41

Self-sealing sterilization pouches [letter] Birnbaum D. **Infect Control** 1984 Jan;5(1):11

Factors influencing the resistance of biological monitors to ethylene oxide. Dadd AH, et al. **J Appl Bacteriol** 1983 Aug; 55(1):39–48

Disinfection in washing machines [editorial] **J Hosp Infect** 1983 Jun;4(2):101–2

Calculation of release dose for method B4 of AAMI guidelines for radiation sterilization. Tolbert TW, et al. **Med Instrum** 1984 Jan–Feb;18(1):78–80

Consensus guidelines for product sterilization. Whitaker G. **Med Instrum** 1984 May–Jun;18(3):193–5

[Toward increased efficiency and quality in disinfection, insect- and rat control] Iovchev E, et al. **Vet Med Nauki** 1983;20(10):48–55 **(Bul)**

STERILIZATION, INVOLUNTARY see under **STERILIZATION, SEXUAL**

STERILIZATION REVERSAL

Hysteroscopic reversible tubal sterilization. Hamou J, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):123–9

Carbon dioxide laser in tubal microsurgery [letter] Grunert GM. **Am J Obstet Gynecol** 1984 Jan 1;148(1):117–8

Ovulatory function after microsurgical reversal of sterilization in the rabbit. Pellicer A, et al. **Clin Exp Obstet Gynecol** 1984;11(1–2):6–10

Immunologic considerations before and after vasovasostomy. Fuchs EF, et al. **Fertil Steril** 1983 Oct;40(4):497–9

Vasectomy failure using an open-ended technique. Goldstein M. **Fertil Steril** 1983 Nov;40(5):699–700

Vasovasostomy in rabbits after vasectomy or vas occlusion by tantalum clip. Lohiya NK, et al. **J Reprod Fertil** 1984 May;71(1):243–8

Relationship of gross appearance of vas fluid during vasovasostomy to sperm quality, obstructive interval and sperm granuloma. Sharlip ID, et al. **J Urol** 1984 Apr; 131(4):681–3

Vasectomy reversal [letter] **Med J Aust** 1984 May 26; 140(11):681

Reversal of female sterilization. Review of 252 microsurgical salpingo-salpingostomies. Owen E. **Med J Aust** 1984 Sep 1;141(5):276–80

Microsurgical tubal anastomosis: a controlled trial in four Asian centers. Rock JA, et al. **Microsurgery** 1984;5(2):95–7

Microsurgery for vasectomy reversal and vasoepididymostomy. Silber SJ. **Urology** 1984 May; 23(5):505–24

Aid to stabilize hinged Strauch clamp during microvasovasostomy. Wosnitzer M. **Urology** 1984 Aug; 24(2):168–9

[Microsurgical reversal of female sterilization] Lauritsen JG. **Ugeskr Laeger** 1983 Dec 19;145(51):3976–9 (Eng. Abstr.) **(Dan)**

[Request for reversal of tubal sterilization. Survey conducted by the National College of French Gynecologists and Obstetricians] Antoine JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):583–91 (Eng. Abstr.) **(Fre)**

[Probability of requests for desterilization. Prospective study of 50 cases] Denjean R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):339–43 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Comparison of the operating microscope and loupe for microsurgical tubal anastomosis: a randomized clinical trial. Rock JA, et al. **Fertil Steril** 1984 Feb;41(2):229–32

METHODS

The reversibility of female sterilization with the use of microsurgery: a report on 102 patients with more than one year of follow-up. Henderson SR. **Am J Obstet Gynecol** 1984 May 1;149(1):57–65

A low-power magnification technique for the re-anastomosis of the vas—further results in a personal series of 125 patients. Urquhart-Hay D. **Aust NZ J Surg** 1984 Feb; 54(1):73–4

Clinical and histologic evaluation of laser reanastomosis of the uterine tube. Choe JK, et al. **Fertil Steril** 1984 May; 41(5):754–60

Long-term management of vasovasostomy patients.

Weinerth JL. **Fertil Steril** 1984 Apr;41(4):625–8
Laser-assisted vas anastomosis: a preliminary report. Lynne CM, et al. **Lasers Surg Med** 1983;3(3):261–3
Vasectomy reversal. Review of 475 microsurgical vasovasostomies. Owen E, et al. **Med J Aust** 1984 Mar 31;140(7):398–400
Vasovasostomy: current state of the art. Cos LR, et al. **Urology** 1983 Dec;22(6):567–75 (61 ref.)
[The surgical technic and vaso–vasostomy] Andersen M, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3012–3 (Eng. Abstr.) **(Dan)**
[Experience with microsurgical two-layer vasovasostomy] Hirao Y, et al. **Hinyokika Kiyo** 1983 Apr;29(4):385–93 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Characteristics of women requesting reversal of sterilization. Divers WAJr. **Fertil Steril** 1984 Feb;41(2):233–6

TRENDS

The choice of sterilization: voluntarily childless couples, mothers of one child by choice, and males seeking reversal of vasectomy. Callan VJ, et al. **J Biosoc Sci** 1984 Apr; 16(2):241–8

STERILIZATION, SEXUAL

see related
PEST CONTROL, BIOLOGICAL

Effects of sterilization on menstrual pattern [letter] Kennedy K. **Am J Obstet Gynecol** 1984 Mar 15;148(6):835
Unwanted life. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):565
Damages and the 'unwanted child'. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):244–5
Wrongful birth and wrongful conception: the legal and moral issues. Donovan P. **Fam Plann Perspect** 1984 Mar–Apr; 16(2):64–9
Parents right to decide [letter] Moss HC. **Indiana Med** 1984 Jan;77(1):28
Sterilization in Canberra. Lucas D. **J Biosoc Sci** 1984 Jul; 16(3):335–42
Risk of serum hepatitis following laparoscopic sterilisation [letter] Athale SM. **J Indian Med Assoc** 1983 Oct; 81(7–8):147–8
Georgia Supreme Court invalidates involuntary sterilization statute. Harper TD. **J Med Assoc Ga** 1983 Nov; 72(11):795–7
Birth of handicapped child after negligent sterilisation. Brahams D. **Lancet** 1984 Sep 15;2(8403):649
Sterilization of the mentally retarded. The rules change but the results remain the same. Soskin RM. **Med Law** 1983; 2(3):267–76 (65 ref.)
Issues in fertility control for mentally retarded female adolescents: II. Parental attitudes toward sterilization. Passer A, et al. **Pediatrics** 1984 Apr;73(4):451–4
[Non-therapeutic sterilization of mentally retarded patients: yes in certain cases, under certain conditions] Côté A. **Union Med Can** 1983 Aug;112(8):737–40 **(Fre)**
[Medical counseling and activities of the Specialty Committee – final conclusions drawn from current trends in irreversible contraception] Rothe J, et al. **Z Arztl Forthild (Jena)** 1984;78(2):57–60 **(Ger)**

ADVERSE EFFECTS

Early readmission following elective laparoscopic sterilization: a brief analysis of a rare event. Chi I, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):322–7

ECONOMICS

Public funding of contraceptive, sterilization and abortion services, 1982. Nestor B, et al. **Fam Plann Perspect** 1984 May–Jun;16(3):128–33

METHODS

Methodologic considerations in studies on female sterilization—a review for clinicians. Chi IC, et al. **Contraception** 1983 Nov;28(5):437–54 (66 ref.)
Vasocclusion sterility induced by ethanol, prostagladin or ascorbic acid in male rats. Chinoy MR, et al. **Endocrinol Exp (Bratisl)** 1984 Mar;18(1):65–77
Fertility control in vas occluded rats and the biochemical effects of ascorbic acid feeding. Sharma JD, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):337–41
The results of epididymal ablation by sclerosing agents in the nonhuman primate. Lewis RW, et al. **Fertil Steril** 1984 Mar;41(3):465–9

MORTALITY

Sterilization-associated deaths: a global survey. Strauss LT, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):67–75
[Postpartum sterilization and maternal mortality in Paarl Hospital] De Villiers VP. **S Afr Med J** 1984 Jan 14; 65(2):49–50 (Eng. Abstr.) **(Afr)**

PSYCHOLOGY

Psychological sequelae of sterilisation [letter] Lewis E, et al. **Lancet** 1984 Aug 11;2(8398):347
Psychological sequelae of female sterilization: short-term outcome in a prospective controlled study. A report from the UK Field Research Centre of a WHO collaborative project. Bledin KD, et al. **Psychol Med** 1984 May; 14(2):379–90
[Psychological consultations in regard to female sterilization and IUD contraception] Zhao YW. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):136–40 (Eng. Abstr.) **(Chi)**

TRENDS

Sterilization in Quebec. Marcil-Gratton N, et al. **Fam Plann Perspect** 1983 Mar–Apr;15(2):73–8
The choice of sterilization: voluntarily childless couples, mothers of one child by choice, and males seeking reversal of vasectomy. Callan VJ, et al. **J Biosoc Sci** 1984 Apr; 16(2):241–8
Voluntary sterilization in North Tyneside. Carnegie-Smith K. **J Biosoc Sci** 1984 Apr;16(2):249–57
Social and clinical correlates of postpartum sterilization in the United States, 1972 and 1980. Mosher WD, et al. **Public Health Rep** 1984 Mar–Apr;99(2):128–38

VETERINARY

Surgical and chemical vasectomy in the cat. Pineda MH, et al. **Am J Vet Res** 1984 Feb;45(2):291–300

STERILIZATION, TUBAL

see related
STERILIZATION REVERSAL

A new approach to measuring menstrual pattern change after sterilization. Fortney JA, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):830–6
Sterilization at the time of cesarean section: tubal ligation or hysterectomy? Bukovsky I, et al. **Contraception** 1983 Oct;28(4):349–56
Effect of laparoscopic sterilization and insertion of Multiload Cu 250 and Progestasert IUDs on serum ferritin levels. Goh TH, et al. **Contraception** 1983 Oct;28(4):329–36
Autoantibodies to zona pellucida in tubectomized women. Mhaskar A, et al. **Contraception** 1984 Jan;29(1):75–82
Reports conflict on link between hysterectomy, prior tubal sterilization. **Fam Plann Perspect** 1983 Sep–Oct; 15(5):229–30
Clinical and histologic evaluation of laser reanastomosis of the uterine tube. Choe JK, et al. **Fertil Steril** 1984 May; 41(5):754–60
Ectopic pregnancy subsequent to sterilization: histologic evaluation and clinical implications. Stock RJ, et al. **Fertil Steril** 1984 Aug;42(2):211–5
Povidone-iodine (Betadine) as prophylaxis against wound infection in abdominal tubal ligation. Khanna A, et al. **Indian J Med Sci** 1984 Jan;38(1):1–2
Abdominal pregnancy following total hysterectomy. Arora VK. **Int Surg** 1983 Jul–Sep;68(3):253–5
Complications following postpartum sterilization by bilateral tubal ligation. Cook CL, et al. **J Ky Med Assoc** 1984 Apr; 82(4):171–4
Minilaparotomy under acupuncture analgesia. Dias PL, et al. **J R Soc Med** 1984 Apr;77(4):295–8
The incidence of intrauterine abnormalities found at hysteroscopy in patients undergoing elective hysteroscopic sterilization. Cooper JM, et al. **J Reprod Med** 1983 Oct; 28(10):659–61
Reversal of female sterilization. Review of 252 microsurgical salpingo-salpingostomies. Owen E. **Med J Aust** 1984 Sep 1;141(5):276–80
Complications in 8509 laparoscopic Falope ring sterilizations performed under local anaesthesia. Pattinson RC, et al. **S Afr Med J** 1983 Dec 10;64(25):975–6
Family planning and female sterilization in the United States. Shapiro TM, et al. **Soc Sci Med** 1983;17(23):1847–55
[Interval Falope ring sterilization in the Cape Province: experience with 9175 cases over 4 years] Nieuwoudt AJ, et al. **S Afr Med J** 1983 Dec 10;64(25):972–4 (Eng. Abstr.) **(Afr)**
[Sterilization and nidation (letter)] **Ugeskr Laeger** 1983 Nov 21;145(47):3676 **(Dan)**
[Tubal rupture in a sterilized woman] Krüger S, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3667 (Eng. Abstr.) **(Dan)**
[Tubal sterilization] Dubois M. **Rev Med Liege** 1984 Apr 1; 39(7):265–6 **(Fre)**
[Sterilization of women at a county hospital 1969–1981] Børdahl PE, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20; 103(23):1618–9 (Eng. Abstr.) **(Nor)**

ADVERSE EFFECTS

Late complications of laparoscopic clip sterilization. Punnonen R, et al. **Acta Obstet Gynecol Scand** 1984; 63(2):149–51
Complications of tubal sterilization [letter] Corson SL. **Am J Obstet Gynecol** 1983 Nov 15;147(6):730–1
Asymptomatic omental herniation following laparoscopic sterilisation. Rajapaksa DS. **Ceylon Med J** 1983 Mar; 28(1):35–6
Immediate sequelae following tubal sterilization. A multicentre study of the ICMR Task Force on Female Sterilization. **Contraception** 1983 Oct;28(4):369–84
Tubal polyps, epithelial inclusions, and endometriosis after tubal sterilization. Donnez J, et al. **Fertil Steril** 1984 Apr; 41(4):564–8
Complications of female sterilization: immediate and delayed. Huggins GR, et al. **Fertil Steril** 1984 Mar;41(3):337–55
Tubal lesions after sterilization [letter] McCausland A. **Fertil Steril** 1984 Sep;42(3):493–5
Risks of sterilization procedures [letter] Pfenninger JL. **J Fam Pract** 1984 Jan;18(1):28
Pelvic venous changes after tubal sterilization. El-Minawi MF, et al. **J Reprod Med** 1983 Oct;28(10):641–8
Ectopic pregnancy after sterilization [letter] DeStefano F, et al. **JAMA** 1984 Mar 16;251(11):1432
Oestrogen deficiency following tubal ligation [letter] Cattanach J. **Med J Aust** 1984 Mar 3;140(5):309–10
Menstrual changes after tubal sterilization. DeStefano F, et al. **Obstet Gynecol** 1983 Dec;62(6):673–81
Total ligation syndrome. Does it exist? Strickler RC. **Postgrad Med** 1984 Jan;75(1):233, 237
[Sterilization by colpoceliotomy] Heidenreich W. **Fortschr Med** 1983 Nov 3;101(41):1855–9 (Eng. Abstr.) **(Ger)**
[Liability for unsuccessful sterilization?] Gritschneder O. **Geburtshilfe Fraunheilkd** 1983 Jul;43(7):469–71 (Eng. Abstr.) **(Ger)**

ECONOMICS

Laparoscopic clip sterilization in a free-standing facility: an evaluation of cost and safety. Crist T, et al. **NC Med J** 1983 Sep;44(9):546–9

INSTRUMENTATION

Hysteroscopic reversible tubal sterilization. Hamou J, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):123–9
Report of a high pregnancy rate after sterilization with the Bleier clip. Lee NC, et al. **South Med J** 1984 May; 77(5):601–2
[Late results in fallopian tubes studies on the Bleier clip] Jung H, et al. **Geburtshilfe Fraunheilkd** 1983 Jun;43 Suppl 1:67–9 (Eng. Abstr.) **(Ger)**

METHODS

Hysteroscopic sterilization with the use of formed-in-place silicone plugs. Loffer FD. **Am J Obstet Gynecol** 1984 Jun 1;149(3):261–70
Oviduct occlusion by intraluminal thread and silver clips. Ding SL. **Chin Med J [Engl]** 1983 Aug;96(8):604–6
Insertion of the laparoscopic Trocar without the use of carbon dioxide gas. Pine S, et al. **Contraception** 1983 Sep; 28(3):233–9
Comparison of three types of tubal sterilisation: the medan experience. Sitompul H, et al. **Contraception** 1984 Jan; 29(1):55–63
Tubal ligation and mini-laparotomy in an outpatient setting. Hurlbutt FR, et al. **Hawaii Med J** 1983 Jul;42(7):156–7
Open forum: Preferred method for tubal sterilization. **Int J Fertil** 1984;29(1):10–2
Button-hole technique of tubectomy. Garg LN. **J Indian Med Assoc** 1983 Oct;81(7–8):128–30
Endocrine findings in rabbits after sterilization with electrocoagulation. Riedel HH, et al. **J Reprod Med** 1983 Oct;28(10):665–70
The practice of tubal sterilization: review of a departmental practice pattern. Gleicher N, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):157–60
A second look at the Pomeroy method of tubal sterilization. Spitaleri JF. **NY State J Med** 1984 Apr;84(4):157–8
Hysteroscopic tubal occlusion with formed-in-place silicone plugs: a clinical review. Houck RM, et al. **Obstet Gynecol** 1983 Nov;62(5):587–91
Comparison of laparoscopic Falope-Ring and minilaparotomy sterilization. Sherman PA, et al. **Obstet Gynecol** 1984 Jan;63(1):71–5
Fallopian tube occlusion with silicone: radiographic appearance. Dan SJ, et al. **Radiology** 1984 Jun;151(3):603–5
[Postpartum sterilization with the Filshie titanium silicon rubber clip] De Villiers VP, et al. **S Afr Med J** 1983 Dec 10;64(25):977–8 (Eng. Abstr.) **(Afr)**
[Experimental gynecological microsurgery] Sørensen SS, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3984–6 (Eng. Abstr.) **(Dan)**
[Laparoscopic sterilization during the puerperium employing electrocoagulation. A retrospective study of 76 women] Toft B, et al. **Ugeskr Laeger** 1983 Nov 28;145(48):3731–3 (Eng. Abstr.) **(Dan)**
[Tubal sterilization using laser coagulation] Bailer P. **Fortschr Med** 1983 Nov 17;101(43):1977 **(Ger)**
[Animal experiments, morphologic and endocrinologic studies following various coagulation technics] Riedel HH, et al. **Zentralbl Gynakol** 1983;105(24):1568–84 (Eng. Abstr.) **(Ger)**
[Female sterilization with silicone tubal rings] Heldaas K, et al. **Tidsskr Nor Laegeforen** 1983 Nov 10;103(31):2110–2 (Eng. Abstr.) **(Nor)**
[The importance and technic of postpartum sterilization] Poradovský J, et al. **Cesk Gynekol** 1983 Dec;48(10):748–51 **(Slo)**
[Female sterilization under laparoscopic observation. Evaluation of 2 electrosurgical occlusive technics] Uribe Ramírez LC, et al. **Ginecol Obstet Mex** 1982 Oct; 50(306):265–71 (Eng. Abstr.) **(Spa)**

MORTALITY

Mortality associated with fertility and fertility control: 1983. Ory HW. **Fam Plann Perspect** 1983 Mar-Apr;15(2):57-63

PSYCHOLOGY

Mental health and female sterilization. Report of a WHO collaborative prospective study. **J Biosoc Sci** 1984 Jan; 16(1):1-21

Psychological sequelae of female sterilisation [editorial] **Lancet** 1984 Jul 21;2(8395):144-5

The regrets of sterilised women [letter] **Lancet** 1984 Sep 8; 2(8402):578-9

Pseudocyesis following sterilization: role of the pseudofather. Weddington WW Jr, et al. **Psychosomatics** 1984 Jul; 25(7):563-5

Psychiatric case detection in gynaecological patients. Cooper PJ, et al. **Psychother Psychosom** 1983;40(1-4):246-56

[Request for reversal of tubal sterilization. Survey conducted by the National College of French Gynecologists and Obstetricians] Antoine JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):583-91 (Eng. Abstr.) **(Fre)**

[Voluntary female sterilization: psychosocial motivations and effects] García Hassey E, et al. **Ginecol Obstet Mex** 1982 Nov;50(307):301-5 (Eng. Abstr.) **(Spa)**

TRENDS

Tubal sterilization among women of reproductive age, United States, update for 1979-1980. Moses VI, et al. **MMWR Surveill Summ** 1983 Aug;32(3):9SS-14SS

The evolution of tubal sterilization. Seiler JS. **Obstet Gynecol Surv** 1984 Apr;39(4):177-84

Public policy and female sterilization in Costa Rica. Gómez Barrantes M, et al. **Stud Fam Plann** 1983 Oct;14(10):246-52

Sterilization in Honduras: assessing the unmet demand. Janowitz B, et al. **Stud Fam Plann** 1983 Oct;14(10):252-9

UTILIZATION

Tubal sterilizations performed in freestanding, ambulatory-care surgical facilities in the United States in 1980. Greenspan JR, et al. **J Reprod Med** 1984 Apr; 29(4):237-41

STERNOCLAVICULAR JOINT

Sternoclavicular joint infection as a cause of chest pain. Seviour PW, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):133-4

[Sternoclavicular arthritis caused by Staphylococcus aureus in a non-drug addicted adult (letter)] Clotet-Sala B, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):332-3 **(Spa)**

ANATOMY & HISTOLOGY

The microscopic structure of fibrous articular surfaces: a review. Wilson NH, et al. **Anat Rec** 1984 Jun;209(2):143-52 (38 ref.)

INJURIES

Surgical treatment of dislocations of the sternoclavicular joint. Barth E, et al. **Acta Orthop Scand** 1983 Oct; 54(5):746-53

Intrathoracic great vessel injury resulting from blunt chest trauma associated with posterior dislocation of the sternoclavicular joint. Gardner MA, et al. **Aust NZ J Surg** 1983 Oct;53(5):427-30

Acute traumatic retrosternal dislocation of the clavicle. Buckerfield CT, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):379-85

Retrosternal dislocation of the clavicle. Report of four cases. Selesnick FH, et al. **J Bone Joint Surg [Am]** 1984 Feb; 66(2):287-91

Traumatic floating clavicle. A case report. Jain AS. **J Bone Joint Surg [Br]** 1984 Aug;66(4):560-1

[Late lesions following luxation of the sternoclavicular joint] Ecke H. **Hefte Unfallheilkd** 1984;170:52-5 **(Ger)**

[Luxation of the sternoclavicular joint] Müller-Färber J, et al. **Hefte Unfallheilkd** 1984;170:56-65 **(Ger)**

[Chronic luxation of the sternoclavicular joint - technic and results] Pfister U, et al. **Hefte Unfallheilkd** 1984;170:74-5 **(Ger)**

RADIOGRAPHY

[Erosive sternoclavicular and manubriosternal arthritis in the rheumatism of acne conglobata. Relation to reactive arthritis] Kaplan G, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):817-9 **(Fre)**

[A case of Brower's disease] Nowak C. **Wiad Lek** 1983 Dec 1;36(23):1991-3 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Sternocostoclavicular hyperostosis. Hudson TM. **Clin Nucl Med** 1984 Feb;9(2):105

SURGERY

[Late lesions of the clavicular joints - principles of operative methods] Pannike A. **Hefte Unfallheilkd** 1984;170:39-51 **(Ger)**

STERNOCOSTAL JOINTS see under **JOINTS**

STERNUM

Solitary sternal metastasis from breast carcinoma. Park HM, et al. **Clin Nucl Med** 1983 Aug;8(8):373-4

Candidemia and sternal Candida albicans osteomyelitis in a patient with chronic lymphatic leukemia. Estrov Z, et al. **Isr J Med Sci** 1984 Aug;20(8):711-4

Evaluation of postoperative osteomyelitis of the sternum using tomography and computerized tomography. Rosenthal DI, et al. **J Can Assoc Radiol** 1984 Mar; 35(1):24-7

Metastatic renal carcinoma presenting with profuse haemorrhage at cardiac surgery. Wood AJ, et al. **Postgrad Med J** 1983 Jun;59(692):384-5

Sternal and costochondral infections with gentamicin and methicillin resistant Staphylococcus aureus following thoracic surgery. Cafferkey MT, et al. **Scand J Infect Dis** 1983;15(3):267-70

[Surgical treatment of primary tumor of the sternum] Cheng YE. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):621-2 (Eng. Abstr.) **(Chi)**

[Tietze's syndrome as a manifestation of the metastasis of Grawitz's adenocarcinoma] Valešová M, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):88-90 (Eng. Abstr.) **(Cze)**

[Clinical experiences with postoperative osteomyelitis of the sternum with special reference to the use of gentamycin PMMA beads] Winzer KJ, et al. **Zentralbl Chir** 1983; 108(18):1163-7 **(Ger)**

[Arthritis manubriosternalis] Nowak C. **Wiad Lek** 1983 Nov 15;36(22):1909-11 (Eng. Abstr.) **(Pol)**

[Tumors of the chest wall] Gil Turner C. **An R Acad Nac Med (Madr)** 1983;100(2):209-12 **(Spa)**

ABNORMALITIES

Mid-line circular photopenic defects of the sternum. Mandell GA, et al. **Br J Radiol** 1983 Oct;56(670):761-3

Isolated asternia: an independent entity. Haque KN. **Clin Genet** 1984 Apr;25(4):362-5

[2 cases of congenital sternal cleft] Chappuis JP, et al. **Pediatrie** 1984 Apr-May;39(3):195-202 (Eng. Abstr.) **(Fre)**

[Pectus carinatum: diagnosis and bloodless therapy] Bilotta TW, et al. **Chir Organi Mov** 1982-83;68(3):351-9 (Eng. Abstr.) **(Ita)**

[Disorders of sternal ossification, pectus carinatum and cardiac pathology] Fokin AA. **Ortop Travmatol Protez** 1983 Oct;(10):48-52 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The gender predictive value of sternal length. Stewart JH, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):217-20

[Morphometric studies of x-rays of the sternum] Teige K. **Z Rechtsmed** 1983;90(3):199-204 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Uncommon sites of bone infarction in a sickle cell anemia patient. Garty I, et al. **Eur J Nucl Med** 1983;8(8):367-8

EMBRYOLOGY

Estimation of the fetal age on the basis of the development of sternum. Gworys B, et al. **Folia Morphol (Warsz)** 1983; 42(2):139-51

INJURIES

A fracture of the sternum in a child. Perez FL Jr, et al. **J Pediatr Orthop** 1983 Sep;3(4):513-5

Dislocation of the manubrium from the body of the sternum. Bradham RR. **J SC Med Assoc** 1983 Dec;79(12):669-71

Posterior sternoclavicular dislocations: two case reports. Gazak S, et al. **J Trauma** 1984 Jan;24(1):80-2

Hay balers' fractures. Mayba II. **J Trauma** 1984 Mar; 24(3):271-3

[Fractures of the sternum] Hladík V, et al. **Rozhl Chir** 1983 Dec;62(12):826-32 (Eng. Abstr.) **(Cze)**

[Fracture of the sternum] Grabski RS, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5-6):501-3 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Sternocostoclavicular hyperostosis. A case report. Mortier G, et al. **Acta Belg Med Phys** 1984 Jan-Mar;7(1):21-2

[Primary Candida albicans osteoarthritis of the anterior chest. Apropos of 3 cases occurring in heroin addicts] Brodaty Y, et al. **Rev Rhum Mal Osteoartic** 1983 Oct;50(10):673-6 **(Fre)**

[Puncture biopsy of the sternum--forensic medicine experiences] Mattig W, et al. **Z Arztl Fortbild (Jena)** 1984; 78(4):149-51 **(Ger)**

PHYSIOPATHOLOGY

[Bone and bone marrow function of the reconstructed chest wall after surgical correction of pectus excavatum] Watanabe Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):349-55 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Occult sternal metastasis identified by laminography in patients with chest pain. LaBan MM, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):203-4

Invasion of the sternum by lymphoma - role of CT. Stark P. **Radiologe** 1984 Mar;24(3):130-2

Computed tomography of the sternum and its articulations. Hatfield MK, et al. **Skeletal Radiol** 1984;11(3):197-203

[Erosive sternoclavicular and manubriosternal arthritis in the rheumatism of acne conglobata. Relation to reactive arthritis] Kaplan G, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):817-9 **(Fre)**

[Morphometric studies of x-rays of the sternum] Teige K. **Z Rechtsmed** 1983;90(3):199-204 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

The Angle of Louis. A potential pitfall ('Louie's Hot Spot') in bone scan interpretation. Fink-Bennett DM, et al. **Clin Nucl Med** 1984 Jun;9(6):352-4

Absent sternum on bone scan. Mandell GA, et al. **Clin Nucl Med** 1983 Jul;8(7):327

Gallium-67 scanning in the diagnosis of postoperative sternal osteomyelitis: concise communication. Salit IE, et al. **J Nucl Med** 1983 Nov;24(11):1001-4

[Sternocostoclavicular hyperostosis--scintigraphy of the bones] **Rinsho Hoshasen** 1984 Apr;29(4):541-2 **(Jpn)**

SURGERY

Midline sternotomy for the treatment of primary pulmonary neoplasms. Asaph JW, et al. **Am J Surg** 1984 May; 147(5):589-92

Sternal safety blade for median or transverse sternotomy. Hodge J. **Am J Surg** 1984 Sep;148(3):402-3

Bilateral pneumothoraces secondary to iatrogenic buffalo chest. An unusual complication of median sternotomy and subclavian vein catheterization. Schorlemmer GR, et al. **Ann Surg** 1984 Mar;199(3):372-4

Occult rib fractures and brachial plexus injury following median sternotomy for open-heart operations. Baisden CE, et al. **Ann Thorac Surg** 1984 Sep;38(3):192-4

A prospective study of sternal wound complications. Breyer RH, et al. **Ann Thorac Surg** 1984 May;37(5):412-6

Catastrophic hemorrhage during redo sternotomy. Dobell AR, et al. **Ann Thorac Surg** 1984 Apr;37(4):273-8

Use of computed tomography to assess mediastinal complications after median sternotomy. Kay HR, et al. **Ann Thorac Surg** 1983 Dec;36(6):706-14

Catastrophic hemorrhage during sternal reentry [editorial] Loop FD. **Ann Thorac Surg** 1984 Apr;37(4):271-2

The orthopedic approach in infected median sternotomy. Kinnard P, et al. **Can J Surg** 1984 May;27(3):297-8

Sternal splintage with rib graft to avoid retrosternal compression after open heart surgery--an experimental study. Chiu IS, et al. **Int J Cardiol** 1984 Apr;5(4):517-23

Partial median sternotomy: anterior approach to the upper thoracic esophagus. Orringer MB. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):124-9

Management of recalcitrant median sternotomy wounds. Pairolero PC, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):357-64

Postoperative median sternotomy dehiscence. Harjula A, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):277-81

Reconstruction after median sternotomy infection. Pearl SN, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):47-52

[A cosmetically advantageous approach to median sternotomy] Laczkovics A, et al. **Wien Klin Wochenschr** 1983 Oct 14;95(19):678-9 (Eng. Abstr.) **(Ger)**

[Total replacement of sternum for the sternal metastasis of thyroid cancer] Tokushima T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:98-100 **(Jpn)**

[One stage operation of sternal turnover and Bentall operation for a case of severe Marfan syndrome] Hino T, et al. **Kyobu Geka** 1983 Dec;36(11):882-9 **(Jpn)**

[The transverse submammary skin incision for the median sternotomy] Kobayashi Y, et al. **Kyobu Geka** 1984 Jun; 37(6):441-4 (Eng. Abstr.) **(Jpn)**

[Median sternotomy in pulmonary operations] Taira Y, et al. **Kyobu Geka** 1983 Oct;36(10):784-8 (Eng. Abstr.) **(Jpn)**

[2-step sternal closure following open heart surgery in infants] Furukawa S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2098-101 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of 90 cases of funnel chest by sternal elevation] Nobuoka W, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):324-32 (Eng. Abstr.) **(Jpn)**

[Median sternotomy for resection of primary lung cancer] Tsubota N, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):171-6 (Eng. Abstr.) **(Jpn)**

[Costal chondritis as a complication of purulent mediastinitis following median sternotomy] Podosinnikov AS, et al. **Grudn Khir** 1984 Jan-Feb;(1):70-4 (Eng. Abstr.) **(Rus)**

[Echinococcosis of the sternum, clavicle and neck muscles] Levin IuV. **Khirurgiia (Mosk)** 1984 Apr;(4):136-7 **(Rus)**

STEROID-11-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-12-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-17-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-21-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID HYDROXYLASES

ANALYSIS

Assay of hepatic microsomal testosterone hydroxylases by high-performance liquid chromatography. van der Hoeven T. **Anal Biochem** 1984 Apr;138(1):57–65

A rapid and sensitive in vitro assay of 25-hydroxyvitamin D3-1 alpha-hydroxylase and 24-hydroxylase using rat kidney homogenates. Horiuchi N, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):174–80

Evaluation of enzyme activities by gas chromatography–mass spectrometry: HMGCoA reductase and cholesterol 7 alpha-hydroxylase. Galli Kienle M, et al. **J Chromatogr** 1984 Apr 27;289:267–76

Rapid determination of guinea pig hepatic microsomal oestrone-3-sulphate 16 alpha-hydroxylase activity by high-performance liquid chromatography. Vukovic J, et al. **J Chromatogr** 1984 Jan 20;283:431–5

Clinical analysis of steroids. XXV. Assay of estradiol 17-sulfate 2-hydroxylase activity by high-performance liquid chromatography. Watanabe K, et al. **J Chromatogr** 1983 Oct 14;277:71–7

A microassay for mammalian renal 25-hydroxyvitamin D3-1-hydroxylase applicable to man. Tanaka Y, et al. **J Lab Clin Med** 1983 Dec;102(6):1010–6

ANTAGONISTS & INHIBITORS

Structure-activity relationship study of the inhibition of adrenal cortical 11 beta-hydroxylase by new metyrapone analogues. Hays SJ, et al. **J Med Chem** 1984 Jan;27(1):15–9

Inhibition of estrogen 2-hydroxylase. Brueggemeier RW. **J Steroid Biochem** 1983 Nov;19(5):1683–5

Gravimetric and histologic changes in fetal adrenals following maternal adrenalectomy and metopirone injection in the rat. Yamamoto M, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):659–65

Kinetics of inhibition of estrogen 2-hydroxylase by various haloestrogens. Brueggemeier RW, et al. **Steroids** 1983 Jul; 42(1):93–103

[Studies on the hypothalamo-pituitary-adrenocortical axis in children using 11-beta-hydroxylase inhibitors. II. Studies of the age-differences of the development of the hypothalamo-pituitary-adrenocortical axis—a comparison of the glucocorticoid pathway to the mineralcorticoid pathway] Ichimura K. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):738–55 (Eng. Abstr.) **(Jpn)**

[Studies on the hypothalamo-pituitary adrenal axis in children by using 11-beta-hydroxylase inhibitors. I. A gas chromatograph-mass spectrometric method for the determination of serum metyrapone and reduced metyrapone; a pharmacokinetic and biological study of metyrapone in children] Ichimura K. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):715–37 (Eng. Abstr.) **(Jpn)**

[Carbon monoxide inhibition of 21-hydroxylase and 17 alpha-hydroxylase activities in porcine adrenal microsomes] Nakajin S, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):895–8 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

Recent advances in 21-hydroxylase deficiency. New MI, et al. **Annu Rev Med** 1984;35:649–63 (31 ref.)

A case of 17 alpha-hydroxylase deficiency syndrome associated with right adrenal tumor. Ogawa K, et al. **Clin Exp Hypertens [A]** 1984;6(4):863–77

Deficit of 21 beta-hydroxylase. Clinico-functional parameters. Gangemi M, et al. **Clin Exp Obstet Gynecol** 1983;10(4):176–81

A case of 17 alpha-hydroxylase deficiency with special reference to the renal kallikrein-kinin system. Mita T, et al. **Endocrinol Jpn** 1983 Dec;30(6):763–7

Increase of lymphocytic H-Y antigen in female 21-hydroxylase deficiency. Amice V, et al. **Experientia** 1984 Mar 15;40(3):273–4

Sex reassignment in a girl with 11 beta-hydroxylase deficiency. Bistritzer T, et al. **Isr J Med Sci** 1984 Jan; 20(1):55–8

Rapid separation of plasma steroids by reversed-phase high-performance liquid chromatography with timed collection of fractions. Stoks PG, et al. **J Chromatogr** 1983 Sep 9;276(2):408–12

The incidence of late-onset congenital adrenal hyperplasia due to 21-hydroxylase deficiency among hirsute women. Chetkowski RJ, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):595–8

Diagnosis and natural history of 17-hydroxylase deficiency in a newborn male. Dean HJ, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):513–20

Virilization without adrenal hyperplasia in 21-hydroxylase deficiency during fetal life. Kuhnle U, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):574–7

Adrenogenital syndrome due to 11-beta-hydroxylase deficiency with skeletal abnormalities and pulmonary stenosis. Ajlouni K, et al. **J Endocrinol Invest** 1984 Apr; 7(2):129–31

The endocrine pattern of late onset adrenal hyperplasia (21-hydroxylase deficiency). Carmina E, et al. **J Endocrinol Invest** 1984 Apr;7(2):89–92

Late onset adrenocortical hydroxylase deficiencies associated with menstrual dysfunction. Birnbaum MD, et al. **Obstet Gynecol** 1984 Apr;63(4):445–51

Detection of late-onset 21-hydroxylase deficiency congenital adrenal hyperplasia in adolescents. Emans SJ, et al. **Pediatrics** 1983 Nov;72(5):690–5

[Report on 3 cases of 17 alpha-hydroxylase deficiency] Zhang ZJ. **Chung Hua Nei Ko Tsa Chih** 1983 Sep; 22(9):565–7 **(Chi)**

[Occurrence of severe striae in adolescents with congenital adrenal hyperplasia and 21-hydroxylation deficiency treated with dexamethasone] Guest G, et al. **Arch Fr Pediatr** 1983 Jun-Jul;40(6):453–6 (Eng. Abstr.) **(Fre)**

[Genetic counseling and prenatal diagnosis of adrenal hyperplasia caused by 21-hydroxylase deficiency] Couillin P. **Presse Med** 1984 Apr 21;13(17):1087–90 (Eng. Abstr.) **(Fre)**

[Cases of late onset and latent steroid-21-hydroxylase defect] Sólyom J, et al. **Orv Hetil** 1984 Jun 3;125(23):1377–80, 83 (Eng. Abstr.) **(Hun)**

[17-alpha-hydroxylase deficiency—a case report] Kashiwai K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:124–6 **(Jpn)**

[Aldosterone metabolism in dizygotic twins with simple masculinizing-type adrenal gland hyperplasia due to 21-hydroxylase deficiency] Kondo T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:112–5 **(Jpn)**

[Short-term administration of dexamethasone in salt-losing 21-hydroxylase deficiency who showed sudden growth and pigmentation disorder under routine cortisol therapy] Kondo T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:116–8 **(Jpn)**

[Case of salt-losing congenital adrenal hyperplasia due to 21-hydroxylase deficiency and a short stature caused by early closure of epiphyseal lines in spite of steroid replacement therapy] Kondo T, et al. **Horumon To Rinsho** 1983 Jul;31(7):637–43 **(Jpn)**

[An analysis and identification of urinary steroids in normal people and patients with 21-hydroxylase deficiency and urinary excretion patterns] Mizumoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Feb 20;60(2):131–46 (Eng. Abstr.) **(Jpn)**

[Neonatal mass-screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. II. A pilot neonatal mass-screening study in the west of Shizuoka Prefecture, Japan] Shimozawa K. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20;59(12):1860–73 (Eng. Abstr.) **(Jpn)**

[Neonatal mass-screening for congenital adrenal hyperplasia due to 21-hydroxylase deficiency. I. Microfilter paper methods for radioimmunoassay of 17 alpha-hydroxyprogesterone] Shimozawa K. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20;59(12):1845–9 (Eng. Abstr.) **(Jpn)**

[Two cases of familial cerebrotendinous xanthomatosis—intrahepatic enzyme assay and therapeutic trial with chenodeoxycholic acid] Orimo S, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):38–44 (Eng. Abstr.) **(Jpn)**

[A case of post-pubertal form of 21-hydroxylase deficiency and polycystic ovaries] Milewicz A, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):439–40 (Eng. Abstr.) **(Pol)**

[Connection between congenital adrenal hyperplasia due to 21-hydroxylase deficiency and the HLA genotype] Dumić M, et al. **Lijec Vjesn** 1983 Jul-Aug;105(7–8):290–2 (Eng. Abstr.) **(Scr)**

[Vitamin D-dependent rickets, type I: therapy with 1,25-dihydroxyvitamin D3] Velásquez-Jones L, et al. **Bol Med Hosp Infant Mex** 1984 Jan;41(1):36–40 (Eng. Abstr.) **(Spa)**

[Deficiency of 17 alpha-hydroxylase. Presentation of 3 new cases] Gómez Sáez JM, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):407–9 (Eng. Abstr.) **(Spa)**

GENETICS

Cloning and expression of cDNA encoding a bovine adrenal cytochrome P-450 specific for steroid 21-hydroxylation. White PC, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):1986–90

ISOLATION & PURIFICATION

Influence of species and sex on cholesterol 7 alpha-hydroxylase activity in experimental animals. Bosisio E, et al. **Eur J Biochem** 1983 Oct 17;136(1):167–73

Subcellular localization of vitamin D3 25-hydroxylase in human liver. Saarem K, et al. **J Biol Chem** 1984 Sep 10; 259(17):10936–40

Properties of cholesterol 7 alpha-hydroxylase in rat liver microsomal acetone powder. Sanghvi A, et al. **Metabolism** 1984 May;33(5):443–6

[Purification of nicotineamide adenine dinucleotide phosphate-cytochrome P-450 reductase from porcine adrenal microsomes and reconstitution of 17 alpha-hydroxylase, C17,20 lyase and 21-hydroxylase activities] Nakajin S, et al. **Yakugaku Zasshi** 1984 Feb; 104(2):169–74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Rat renal 25-hydroxyvitamin D3 1- and 24-hydroxylases: their in vivo regulation. Tanaka Y, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E168–73

7 alpha-Dehydroxylation of bile acids by resting cells of a Eubacterium lentum-like intestinal anaerobe, strain c-25. Masuda N, et al. **Appl Environ Microbiol** 1984 Apr; 47(4):735–9

Purification of cytochrome P-450 catalyzing 25-hydroxylation of vitamin D3 from rat liver microsomes. Hayashi S, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):994–1000

Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase by MgATP: effect of pH. Kwok CT, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):966–73

Novel method of evaluating biological 19-hydroxylation and aromatization of androgens. Miyairi S, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):392–8

Evidence for the presence of non-lipoprotein factors in diabetic serum capable of stimulating rat hepatic cholesterol-7 alpha-hydroxylase in vitro. Subbiah MT, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):743–8

Stimulation of 1,25-dihydroxyvitamin D3 production by 1,25-dihydroxyvitamin D3 in the hypocalcaemic rat. Tanaka Y, et al. **Biochem J** 1983 Sep 15;214(3):893–7

Effect of disulfiram on rat liver cholesterol 7 alpha-hydroxylase. Andersson S, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2930–2

Regulation of microsomal testosterone 15 alpha-hydroxylase activity in inbred mouse liver and kidney. Neims AH, et al. **Biochem Soc Trans** 1984 Feb;12(1):45–8

Cholesterol oxidation and 7 alpha-hydroxylation during postnatal development of the rat. Hahn P, et al. **Biol Neonate** 1984;46(1):48–52

Estimation of kinetic parameters of androgen-synthesizing enzyme activities in superfused Leydig cells from rat testes: difference between endogenous and exogenous substrates. Kühn-Velten N, et al. **Biosci Rep** 1984 Jun;4(6):483–8

Progesterone C21 hydroxylation and steroid carboxylic acid biosynthesis in the rabbit. In vitro studies with endocrine, metabolic, and potential target tissues. Senciall IR, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):722–30

Functional zonation of the guinea pig adrenal cortex: differences in mitochondrial steroid metabolism between the inner and outer zones. Eacho PI, et al. **Endocrinology** 1984 Apr;114(4):1463–5

Abnormal regulation of 25-hydroxyvitamin D3-1 alpha-hydroxylase activity by calcium and calcitonin in renal cortex from hypophosphatemic (Hyp) mice. Fukase M, et al. **Endocrinology** 1984 Apr;114(4):1203–7

Characterization and endocrine regulation of the cytochrome P-450 dependent microsomal hydroxylation of 5 alpha-androstane-3 beta,17 beta-diol in the rat ventral prostate. Haaparanta T, et al. **Endocrinology** 1984 Jun; 114(6):2293–300

Acute decrease by human chorionic gonadotropin of the activity of preovulatory ovarian 17 alpha-hydroxylase and C-17–C-20 lyase is due to decrease of microsomal cytochrome P-450 through de novo synthesis of ribonucleic acid and protein. Suzuki K, et al. **Endocrinology** 1983 Dec;113(6):1985–91

Investigation of the mechanism for abnormal renal 25-hydroxyvitamin D3-1-hydroxylase activity in the X-linked Hyp mouse. Tenenhouse HS. **Endocrinology** 1984 Aug;115(2):634–9

The expression of different monooxygenases supported by cytochrome P-450 in neonatal rats and in primary fetal hepatocytes in culture. Kremers P, et al. **Eur J Biochem** 1983 Dec 15;137(3):603–8

Activity of renal 25-hydroxyvitamin D3-1 alpha-hydroxylase in a case of X-linked hypophosphataemic rickets. Seino Y, et al. **Eur J Pediatr** 1984 Aug;142(3):219–22

1,25-Dihydroxyvitamin D3 induces 25-hydroxyvitamin D3-24-hydroxylase in a cultured monkey kidney cell line (LLC-MK2) apparently deficient in the high affinity receptor for the hormone. Chandler JS, et al. **J Biol Chem** 1984 Feb 25;259(4):2214–22

Regulation of hydroxylations in biosynthesis of bile acids. Isolation of a protein from rat liver cytosol stimulating reconstituted cholesterol 7 alpha-hydroxylase activity. Danielsson H, et al. **J Biol Chem** 1984 Apr 10; 259(7):4258–62

C21 steroid side chain cleavage enzyme from porcine adrenal microsomes. Purification and characterization of the 17 alpha-hydroxylase/C17,20-lyase cytochrome P-450. Nakajin S, et al. **J Biol Chem** 1984 Mar 25;259(6):3971–6

25-hydroxyvitamin D hydroxylation. Evidence for a dioxygenase activity of solubilized renal mitochondrial cytochrome P-450. Warner M. **J Biol Chem** 1983 Oct 10; 258(19):11590–3

Impaired stimulation of 25-hydroxyvitamin D-24-hydroxylase in fibroblasts from a patient with vitamin D-dependent rickets, type II. A form of receptor-positive resistance to 1,25-dihydroxyvitamin D3. Griffin JE, et al. **J Clin Invest** 1983 Oct;72(4):1190–9

Evidence for a lack of regulatory importance of the 12 alpha-hydroxylase in formation of bile acids in man: an in vivo study. Björkhem I, et al. **J Lipid Res** 1983 Nov; 24(11):1451–6

Sex differences in gallbladder bile acid composition and

hepatic steroid 12 alpha-hydroxylase activity in hamsters. Kuroki S, et al. **J Lipid Res** 1983 Dec;24(12):1543–9

25-Hydroxyvitamin D 1 alpha- and 24-hydroxylase activities in pig kidney homogenates: effect of vitamin D deficiency. Engstrom GW, et al. **J Nutr** 1984 Jan;114(1):119–26

Effect of feeding cholesterol and sitosterol on hepatic steroid 12 alpha-hydroxylase activity in female hamsters. Kuroki S, et al. **J Pharmacobiodyn** 1983 Aug;6(8):551–7

Increased estrogen-16 alpha-hydroxylase activity in women with breast and endometrial cancer. Fishman J, et al. **J Steroid Biochem** 1984 Apr;20(4B):1077–81

Side-chain cleavage of C21 steroids by testicular microsomal cytochrome P-450 (17 alpha-hydroxylase/lyase): involvement of heme. Nakajin S, et al. **J Steroid Biochem** 1983 Sep;19(3):1345–8

Long-term effects of ACTH on rat adrenocortical cells: a coupled stereological and enzymological study. Nussdorfer GG, et al. **J Steroid Biochem** 1983 Dec;19(6):1753–6

Changes with age in activities of 4-ene-5 alpha-reductase, 17 beta-ol-dehydrogenase and 17-hydroxylase in normal and neonatally grafted mouse testes. Takeyama M, et al. **J Steroid Biochem** 1984 Jun;20(6A):1273–8

Conversion of plasma progesterone to deoxycorticosterone in nonpregnant Macaca mulatta: an animal model for the study of extraadrenal steroid 21-hydroxylase activity. Winkel CA, et al. **J Steroid Biochem** 1984 Mar;20(3):753–6

Conversion of progesterone to deoxycorticosterone in guinea pig spleen: an animal model for the study of steroid 21-hydroxylase activity in extra adrenal sites. Winkel CA, et al. **J Steroid Biochem** 1983 Nov;19(5):1635–8

HMGCoA reductase and cholesterol 7 alpha-hydroxylase in human liver. Bosisio E, et al. **Life Sci** 1984 May 21; 34(21):2075–81

The effect of cholestyramine on liver HMG-CoA reductase and cholesterol 7 alpha-hydroxylase in various laboratory animals. Cighetti G, et al. **Life Sci** 1983 Dec 19; 33(25):2483–8

Direct stimulatory effect of ethanol on 17 alpha-hydroxylase activity of rat testis interstitial cells. Murono EP. **Life Sci** 1984 Feb 27;34(9):845–52

Effect of bile acid feeding on hepatic steroid 12 alpha-hydroxylase activity in hamsters. Kuroki S, et al. **Lipids** 1983 Nov;18(11):789–94

The in vitro and in vivo effect of estradiol upon the 17 alpha-hydroxylase and C17,20-lyase activity in the ovaries of immature hypophysectomized rats. Johnson DC, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):199–204

Ecdysone 20-monooxygenase activity during larval-pupal development of Manduca sexta. Smith SL, et al. **Mol Cell Endocrinol** 1983 Aug;31(2–3):227–51

Influence of maternal vitamin D3 carry-over on kidney 25-hydroxyvitamin D3-1-hydroxylase activity of poults. Stevens VI, et al. **Poult Sci** 1984 Apr;63(4):765–74

Maturation of various testosterone hydroxylase activities in hepatic microsomes from AKR/J mice. Hawke RL, et al. **Prog Clin Biol Res** 1983;135:25–35

Studies on the 5 alpha-androstane-3 beta,17 beta-diol-6 alpha-hydroxylase and on the 5 alpha-androstane-3 beta,17 beta-diol-7 alpha-hydroxylase in anterior hypophysis of male rats. Guiraud JM, et al. **Steroids** 1982 Dec; 40(6):625–39

The effects of estradiol and progesterone on rat ovarian 17-hydroxylase and 3 beta-hydroxysteroid dehydrogenase activities. Munabi AK, et al. **Steroids** 1983 Jan;41(1):95–8

Metabolism of 3H-estradiol-17 beta by cultures of isolated rat Sertoli cells and the effect of FSH: presence of 16 alpha-hydroxylase. Tcholakian RK, et al. **Steroids** 1983 Jul; 42(1):55–62

[In vivo effect of adrenaline on the monooxygenase system of isolated liver microsomes from the male rat] Angelov ETs. **Eksp Med Morfol** 1983;22(4):15–20 (Eng. Abstr.) **(Bul)**

[Metabolism of exogenous steroids in adrenal cortex rat cells in culture: establishment of hydroxylation in position 11-beta or 18] Ramirez LC, et al. **C R Soc Biol (Paris)** 1984;178(1):77–83 (Eng. Abstr.) **(Fre)**

[Regulation of hydroxylation in position 21 of steroids in adrenal cortex cells of newborn rats, in culture. Utilization of aminoglutethimide and of exogenous steroids] Raoux RJ, et al. **C R Soc Biol (Paris)** 1984;178(1):84–91 (Eng. Abstr.) **(Fre)**

STEROID ISOMERASES see under **ISOMERASES**

STEROID MONOOXYGENASES see **STEROID HYDROXYLASES**

STEROID RECEPTORS see **RECEPTORS, STEROID**

STEROIDS

Some modern mass spectrometric methods for steroids and terpenoids. Rose ME. **Biochem Soc Trans** 1983 Oct; 11(5):561–5 (39 ref.)

Eighth Adolf Butenandt lecture. Why are so many hormones steroids? Karlson P. **Hoppe Seylers Z Physiol Chem** 1983 Sep;364(9):1067–87

Steroid addction: a complication of use and abuse of steroids in herpes simplex keratitis. Jain IS, et al. **Indian J Ophthalmol** 1983 Jul;31(4):413–5

Steroid reference collection. Kirk DN. **Int J Dermatol** 1984 May;23(4):254–6

Proceedings of the Sixth International Symposium of the Journal of Steroid Biochemistry. Paris, France, 30 May–1 June 1983. **J Steroid Biochem** 1984 Jan;20(1):1–531

Androgen antagonists in androgen target tissues. Tindall DJ, et al. **Pharmacol Ther** 1984;24(3):367–400 (177 ref.)

Bile acids. LXVIII. Allylic and benzylic photo-chemical oxidation of steroids. Tal DM, et al. **Steroids** 1983 May; 41(5):683–92

ADMINISTRATION & DOSAGE

Percutaneous steroid therapy of lumbago [letter] Montes LF. **Arch Dermatol** 1984 Mar;120(3):298–9

Pulmonary aspiration: high dose steroids should be abandoned [letter] Ryan DW. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):51

The use of liposomes in the topical application of steroids. Vermorken AJ, et al. **J Pharm Pharmacol** 1984 May; 36(5):334–6

Cyclosporin A used alone or in combination with low-dose steroids in cadaveric renal transplantation. Thiel G, et al. **Klin Wochenschr** 1983 Oct 17;61(20):991–1000

ADVERSE EFFECTS

Parental reproductive problems and gestational hormonal exposure in autistic and schizophrenic children. Funderburk SJ, et al. **J Autism Dev Disord** 1983 Sep; 13(3):325–32

Spontaneous rupture of bilateral achilles tendon of a patient on long-term systemic steroid therapy. Baruah DR. **Unfallheilkunde** 1984 Jan;87(1):35–6

ANALYSIS

Continuous-flow automated assay of steroids with nylon-tube-immobilized hydroxysteroid dehydrogenases. Carrea G, et al. **Anal Biochem** 1984 Feb;136(2):328–35

Development of a simple, low-cost, continuous-flow system for the automated radioimmunoassay of steroid glucuronides. Barnard GJ, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):294–301

The geochemistry of terpenoids and steroids. Brassell SC, et al. **Biochem Soc Trans** 1983 Oct;11(5):575–86

Steroidal and other components of Pygeum africanum bark. Longo R, et al. **Farmaco [Prat]** 1983 Jul;38(7):287–92

Preparation of enol-tert.-butyldimethylsilyl and mixed tert.-butyldimethylsilyl-trimethylsilyl ethers for gas chromatography--mass spectrometry of steroids and bile acids. Andersson SH, et al. **J Chromatogr** 1984 Apr 27; 289:195–206

Reversed-phase high-performance liquid chromatography of steroid 3-sulfates and the corresponding unconjugated steroids. Simonian MH, et al. **J Chromatogr** 1984 Mar 30; 287(1):97–104

Steroid profiles of body fluids other than urine, obtained by capillary gas chromatography. Vanluchene E, et al. **J Chromatogr** 1983 Nov 25;279:573–80

Steroids in porcine follicular fluid: analysis by HPLC, capillary CG and capillary CG/MS after purification on SEP-PAK C18 and ion exchange chromatography. Khalil MW, et al. **Steroids** 1983 Apr;41(4):549–66

BIOSYNTHESIS

Actions of luteinizing hormone on protein phosphorylation and steroidogenesis in tumor Leydig cells. Bakker GH, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:361–74

Regulation of ovarian follicular growth and steroidogenesis by low-amplitude LH pulses. Peluso JJ, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R184–9

The low-density lipoprotein pathway of cultured Leydig tumor cells. Utilization of low-density lipoprotein-derived cholesterol for steroidogenesis. Freeman DA, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):72–81

Steroidogenesis despite a variant metabolism in primary cultures of pig granulosa cells. Lee G, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):237–44

The calcium-calmodulin system: participation in the regulation of steroidogenesis at different stages of granulosa cell differentiation. Carnegie JA, et al. **Biol Reprod** 1984 Mar;30(2):515–22

Prenatal diethylstilbestrol exposure in the mouse: effects on ovarian histology and steroidogenesis in vitro. Haney AF, et al. **Biol Reprod** 1984 Mar;30(2):471–8

Development of steroidogenic activity in the ovary of the prepubertal hamster: II. Production of steroids from steroidal precursors and response in vitro to cyclic adenosine monophosphate and luteinizing hormone. Shaha C, et al. **Biol Reprod** 1983 Dec;29(5):1085–91

Phorbol ester inhibition of ovarian and testicular steroidogenesis in vitro. Welsh TH Jr, et al. **Cancer Res** 1984 Mar;44(3):885–92

Rounding and steroidogenesis of enzyme- and ACTH-treated Y-1 mouse adrenal tumor cells. Voorhees HL, et al. **Cell Biol Int Rep** 1984 Jun;8(6):483–97

The control of male fertility by 1,2,3-trihydroxypropane (THP;glycerol): rapid arrest of spermatogenesis without altering libido, accessory organs, gonadal steroidogenesis, and serum testosterone, LH and FSH. Wiebe JP, et al. **Contraception** 1984 Mar;29(3):291–302

Steroid production by Xenopus ovarian follicles at different developmental stages. Fortune JE. **Dev Biol** 1983 Oct; 99(2):502–9

A heuristic proposal for understanding steroidogenic processes. Lieberman S, et al. **Endocr Rev** 1984 Winter; 5(1):128–48 (141 ref.)

Cytoplasmic malic enzyme and testicular steroidogenesis in mice. Chubb C, et al. **Endocrinology** 1984 Apr; 114(4):1070–3

Possible role of pituitary in Mitomycin C induced inhibition of testicular steroidogenesis. Banik S, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):331–6

Studies on the effect of gonadotropin-releasing hormone and its agonist on human luteal steroidogenesis in vitro. Casper RF, et al. **Fertil Steril** 1984 Jul;42(1):39–43

Properties and requirements for production of a macrophage product which suppresses steroid production by adrenocortical cells. Mathison JC, et al. **Infect Immun** 1984 Aug;45(2):360–6

Cellular organization for steroidogenesis. Hall PF. **Int Rev Cytol** 1984;86:53–95 (104 ref.)

Differential effect of single high dose and divided small dose administration of human chorionic gonadotropin on Leydig cell steroidogenic desensitization. Smals AG, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):327–31

Steroidogenesis in the monkey testis: relationship of enzyme organization to endogenous steroids, steroidogenesis and gonadotropin treatment. Yoshida K, et al. **J Steroid Biochem** 1984 Jul;21(1):49–58

Suppression of spermatogenesis without inhibition of steroidogenesis by a 1,2,3-trihydroxypropane solution. Wiebe JP, et al. **Life Sci** 1984 Apr 30;34(18):1747–54

Insulin enhances FSH-stimulated steroidogenesis by cultured rat granulosa cells. Davoren JB, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):97–105

Forskolin effects on the cAMP system and steroidogenesis in the immature rat ovary. Hedin L, et al. **Mol Cell Endocrinol** 1983 Nov;33(1):69–80 (33 ref.)

Corticotropin-induced desensitization: steroidogenic and cyclic AMP responses in superfused adrenocortical cells. Schulster D, et al. **Mol Cell Endocrinol** 1984 Jun; 36(1–2):43–51

The interrelationship of polycyclic hydrocarbon metabolism and steroidogenesis in primary cultures of bovine adrenal cortical cells. Dibartolomeis MJ, et al. **Mol Pharmacol** 1984 May;25(3):476–86

Comparative effects of LHRH agonist and ovine LH administration on testicular steroidogenesis in intact adult rat. Carmichael R, et al. **Steroids** 1982 Dec;40(6):641–9

Steroidogenic refractoriness of bovine adrenocortical cells to dibutyryl cyclic AMP. Kramer RE, et al. **Steroids** 1983 Feb;41(2):207–23

[Mechanism of carbon-carbon bond cleavage in steroid biosynthesis (I)] Ikekawa N, et al. **Tanpakushitsu Kakusan Koso** 1983 Oct;28(11):1241–58 (132 ref.) **(Jpn)**

[Steroidogenic electron transfer system in adrenal microsomes] Takemori S, et al. **Tanpakushitsu Kakusan Koso** 1983 Oct;28(11):1226–40 (90 ref.) **(Jpn)**

BLOOD

The application of rate dialysis to the determination of free steroids in plasma. Willcox DL, et al. **Anal Biochem** 1983 Dec;135(2):304–11

Identification and quantitation of steroids in sulfate fractions from plasma of pregnant chimpanzee, orangutan, and rhesus monkey. Axelson M, et al. **Endocrinology** 1984 Feb; 114(2):337–44

Ovarian and adrenal vein steroids in patients with nonneoplastic hyperandrogenism: selective catheterization findings. Moltz L, et al. **Fertil Steril** 1984 Jul;42(1):69–75

Plasma steroids in the ammocoete of Petromyzon marinus. Dashow L, et al. **Gen Comp Endocrinol** 1984 Sep; 55(3):361–6

Changes in serum concentrations of steroid hormones, thyroxine, and vitellogenin during spawning migration the chum salmon, Oncorhynchus keta. Ueda H, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):203–11

Physiologic properties of steroid hormone-binding proteins in avian blood. Wingfield JC, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):281–92

Rapid separation of plasma steroids by reversed-phase high-performance liquid chromatography with timed collection of fractions. Stoks PG, et al. **J Chromatogr** 1983 Sep 9;276(2):408–12

Colorimetric enzymatic measurement of serum total 3 alpha-hydroxy bile acid concentrations without extraction. Qureshi MY, et al. **J Clin Pathol** 1984 Mar;37(3):317–20

Unconjugated and sulfoconjugated steroids in plasma and zones of the adrenal cortex of the guinea pig. Nishikawa T, et al. **Steroids** 1983 Jan;41(1):105–19

CHEMICAL SYNTHESIS

Steroids. 2. Synthesis of C-18 functionalized steroids via the Smith-Hughes route. Pillai KM, et al. **J Med Chem** 1984 Sep;27(9):1131–7

Steroidal thiourea and thiazoline derivatives: synthesis and in vitro effects on bovine pancreatic ribonuclease activity. Ibrahim ES, et al. **J Pharm Sci** 1983 Oct;72(10):1205–11

Steroidal derivatives. Part 4: Synthesis and in vitro anabolic and catabolic properties of a new group of steroidal alkylating agents. Omar AM, et al. **Pharmazie** 1983 Jul;

38(7):445–8
I-labeled 19-iodinated and 6 beta-iodomethyl-19-nor steroids: effect of structural modification on the adrenal accumulation. Ito T, et al. **Steroids** 1983 Feb;41(2):131–44
[Asymmetric synthesis of steroids] Zhuang ZP, et al.
Yao Hsueh Hsueh Pao 1983 Oct;18(10):790–800 **(Chi)**

ISOLATION & PURIFICATION

A method combining solvent and gel extraction for isolation and preliminary purification of steroids in tissues. Andersson SH, et al. **Anal Biochem** 1983 Oct 15; 134(2):309–12
A rapid method for repurifying partly degraded radiolabeled steroids. Jawad MJ, et al. **Clin Chem** 1984 Jan;30(1):118–20
New biochemical separations using precolumn derivatization and microcolumn liquid chromatography. Novotny M, et al. **J Chromatogr** 1984 May 25;292(1):159–67
[Studies on the constituents of Dioscorea plants. II. Isolation and identification of steroidal saponins from Dioscorea collettii Hook. F.] Liu CL, et al.
Yao Hsueh Hsueh Pao 1983 Aug;18(8):597–606 (Eng. Abstr.) **(Chi)**

METABOLISM

Changes in the activities of microsomal enzymes involved in hepatic steroid metabolism in the rat after administration of androgenic, estrogenic, progestational, anabolic and catatoxic steroids. Lax ER, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1235–41
Enzymology and regulation of xenobiotic and steroid metabolism in placenta. Pelkonen O, et al.
Biochem Soc Trans 1984 Feb;12(1):42–4
The presence of steroids in larval and mature brook lampreys (Lampetra planeri Bloch). Ackermann W, et al.
Biomed Biochim Acta 1984;43(1):139–42
Protoplast release from fungi capable of steroid transformation. Długoński J, et al. **Can J Microbiol** 1984 Jan;30(1):57–62
Cytochrome P-450-dependent oxidation of the 17 alpha-ethynyl group of synthetic steroids. D-homoannulation or enzyme inactivation. Schmid SE, et al. **Drug Metab Dispos** 1983 Nov-Dec;11(6):531–6
Drug control of steroid metabolism by the hepatic endoplasmic reticulum. Feuer G. **Drug Metab Rev** 1983; 14(6):1119–44 (98 ref.)
Deuterium isotope effects on the rates of steroid—glucocorticoid receptor interactions. Arányi P. **Eur J Biochem** 1984 Jan 2;138(1):89–92
Oxygen-mediated damage of microsomal cytochrome P-450 enzymes in cultured leydig cells. Role in steroidogenic desensitization. Quinn PG, et al. **J Biol Chem** 1984 Apr 10;259(7):4130–5
Use of high-performance liquid chromatography in the evaluation of the synthesis and binding of fluorescein linked steroids to estrogen receptors. Lonsdorfer M, et al.
J Chromatogr 1983 Aug 26;266:129–39
Steroid balance studies after cholesterol feeding [letter] Morazain R. **J Lipid Res** 1984 May;25(5):527–33
Biliary steroid excretion in rats fed soybean protein and casein or their amino acid mixtures. Tanaka K, et al. **J Nutr** 1984 Jan;114(1):26–32
Effect of partial hydrolyzates of casein and soybean protein on serum lipoproteins and fecal neutral steroids. Tanaka C, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug; 29(4):439–46
Steroid metabolism in human teratocarcinoma cell line PA 1. Antila E, et al. **J Steroid Biochem** 1983 Nov; 19(5):1583–90
Side-chain cleavage of C21 steroids by testicular microsomal cytochrome P-450 (17 alpha-hydroxylase/lyase): involvement of heme. Nakajin S, et al.
J Steroid Biochem 1983 Sep;19(3):1345–8
Side chain degradation and microbial reduction of different steroids by Aspergillus auroefulgens. Viola F, et al.
J Steroid Biochem 1983 Oct;19(4):1451–8
Effects of different levels of dietary trans-octadecenoate on steroid metabolism in rats. Watanabe M, et al. **Lipids** 1984 Feb;19(2):109–16
Immunocytochemistry of steroid hormone receiving cells in the central nervous system. Morrell JI, et al.
Methods Enzymol 1983;103:639–62
Simultaneous localization of steroid hormones and neuropeptides in the brain by combined autoradiography and immunocytochemistry. Sar M, et al.
Methods Enzymol 1983;103:631–8
Growth hormone: a regulator of the sexually differentiated steroid metabolism in rat liver. Gustafsson JA, et al.
Prog Clin Biol Res 1983;135:37–59
Sequential changes in the concentration of prostaglandins and steroids in uterine lymph in sheep during the oestrous cycle. Abdel Rahim SE, et al.
Prostaglandins Leukotrienes Med 1984 Jun;14(3):403–9

PHARMACODYNAMICS

Intercellular junctions between macrophages in the regional lymph node of the rat after injection of large doses of steroids. Miyata K, et al. **Cell Tissue Res** 1984;236(2):351–5
Long-term effects of perinatal exposure to sex steroids and diethylstilbestrol on the reproductive system of male mammals. Arai Y, et al. **Int Rev Cytol** 1983;84:235–68 (135 ref.)
Effects of preservatives, steroids, and ethylenediaminetetraacetate on the antimicrobial activity of sulfacetamide. Houlsby RD, et al. **J Pharm Sci** 1983 Dec;72(12):1401–3
Amino-steroids as inhibitors and probes of the active site of cytochrome P-450scc. Effects on the enzyme from different sources. Kellis JT Jr, et al. **J Steroid Biochem** 1984 Feb;20(2):671–6
Presence and steroid inducibility of glutamine synthetase in human leukemic cells. Marchetti P, et al.
J Steroid Biochem 1983 Nov;19(5):1665–70
The steroidal actions of digitalis. LeWinn EB.
Perspect Biol Med 1984 Winter;27(2):183–99 (66 ref.)
[Molecular polarity dependence of the transformed steroid effect on Na,K-ATPase] Kamernitskil AV, et al.
Biokhimiia 1984 Feb;49(2):316–20 (Eng. Abstr.) **(Rus)**
[Dissociation of the endocrine and neurotropic properties of peptide and steroid hormones] Burov IuV, et al.
Farmakol Toksikol 1984 Mar-Apr;47(2):100–5 (40 ref.) **(Rus)**

PHYSIOLOGY

Steroid regulation of Na+-K+-ATPase: differential sensitivities along the nephron. Rayson BM, et al.
Am J Physiol 1984 May;246(5 Pt 2):F656–62
The effects of steroid hormones on vascular tissue. Drayer JI, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S394–400 (30 ref.)
Steroid hormone action in eucaryotic cells. O'Malley BW. **J Clin Invest** 1984 Aug;74(2):307–12
Regulation of steroid-transforming enzymes by endogenous steroids. Gower DB, et al. **J Steroid Biochem** 1983 Oct; 19(4):1527–56 (160 ref.)
Biophysical aspects of the mechanism of action of steroid hormones. Alfsen A. **Prog Biophys Mol Biol** 1983; 42(2-3):79–93 (56 ref.)

SECRETION

Dose-related effects of luteinizing hormone on the pattern of steroidogenesis and cyclic adenosine monophosphate release in superfused preovulatory rat follicles. Hedin L, et al. **Biol Reprod** 1983 Nov;29(4):895–904

THERAPEUTIC USE

Novel concepts in the mode of action of anti-inflammatory steroids. Rothhut B, et al. **Agents Actions [Suppl]** 1984; 14:171–80
Severe hepatitis B virus-negative chronic hepatitis responsive to steroids in a child with common variable hypogammaglobulinemia [letter] Maggiore G, et al.
Am J Dis Child 1984 Aug;138(8):796
The incidence of atopy in steroid-responsive nephrotic syndrome: clinical and immunological parameters. Yap HK, et al. **Ann Allergy** 1983 Dec;51(6):590–4
Insulin sensitivity in pancreatitis, liver diseases, steroid treatment and hyperthyroidism assessed by glucose, insulin and somatostatin infusion. Yasuda H, et al.
Horm Metab Res 1984 Jan;16(1):3–6
The case for steroids. Bihari D. **Intensive Care Med** 1984; 10(3):113–4 (16 ref.)
The case for steroids: another viewpoint. Sibbald WJ.
Intensive Care Med 1984;10(3):115–7 (24 ref.)
Cytostatic activity of steroid linked nitrosoureas. Zeller WJ, et al. **J Cancer Res Clin Oncol** 1984;108(1):164–8
Treatment of toxocaral optic neuritis. Molk R.
J Clin Neuro Ophthalmol 1982 Jun;2(2):109–12
Pneumocystis carinii pneumonia in renal-transplant recipients treated with cyclosporine and steroids. Hardy AM, et al.
J Infect Dis 1984 Feb;149(2):143–7
Prognostic factors in dermatomyositis [letter] Dubowitz V.
J Pediatr 1984 Aug;105(2):336–7
Recent progress in the treatment of nasal allergy, intranasal steroid treatment. Wihl JA. **Rhinology** 1984 Mar; 22(1):27–31
[The steroid hormones: mechanism of action and regulation] Burstein P, et al. **Harefuah** 1983 Apr 15;104(8):341–8 **(Heb)**
[Steroid treatment in brain edema (editorial)] Steiner I, et al. **Harefuah** 1983 Dec 15;105(12):432–4 **(Heb)**
[The role of steroids and cytostatic drugs in the management of angioimmunoblastic lymphadenopathy (letter)]
Orv Hetil 1984 Mar 25;125(13):795–6 **(Hun)**

TOXICITY

Steroid D-ring glucuronides: characterization of a new class of cholestatic agents. Vore M, et al. **Drug Metab Rev** 1983; 14(5):1005–19
Bacterial mutagenicity investigation of epoxides: drugs, drug metabolites, steroids and pesticides. Glatt H, et al.
Mutat Res 1983 Oct;111(2):99–118

URINE

Analysis of urinary steroid profiles of women with Cushing's syndrome by computerised gas chromatography-mass spectrometry. de Pedrazzini ME, et al.
Acta Physiol Lat Am 1983;33(3):243–52
Microcolumn liquid chromatography of benzoyl derivatives of steroid metabolites. Novotny M, et al. **Anal Chem** 1983 Dec;55(14):2375–7
The identification of C-18 neutral steroids in normal stallion urine. Houghton E, et al. **Biomed Mass Spectrom** 1984 Feb; 11(2):96–9
Steroid biochemistry of virilising adrenal tumours in childhood. Honour JW, et al. **Eur J Pediatr** 1984 Aug; 142(3):165–9
Effects of starvation and refeeding on the excretion of urinary steroid metabolites in mice with different genetic background. Alasandro M, et al. **J Chromatogr** 1984 Jun 8;308:1–9
Semi-micro quantitative analysis of complex urinary steroid mixtures in healthy and diseased states. Pike AW, et al.
J Chromatogr 1984 Mar 9;306:39–50
[A simple method for the estimation of a urinary steroids profile using glass capillary gas chromatography with a solventless injection system] Ogawa H.
Nippon Naibunpi Gakkai Zasshi 1983 May 20;59(5):801–14 (Eng. Abstr.) **(Jpn)**

STEROIDS, FLUORINATED

CHEMICAL SYNTHESIS

Side chain modified sterols as probes into insect molting hormone metabolism. II: synthesis of monofluorocholesterols. Prestwich GD, et al. **Steroids** 1983 Jan;41(1):79–94

STEROIDS, HETEROCYCLIC

CHEMICAL SYNTHESIS

Heterocyclic steroids-Part XVII: total synthesis of D-homo-12,15-bisthia-1,3,5-(10),6,8,13-gonahexaen-17a-Kumaresan S, et al. **Steroids** 1983 Jan;41(1):35–9
Pentacyclic steroids, Part XVI: Studies on the total syntheses of racemic 1,6-dithiabenz[3,4]estra-3, 5(10),8,14-tetraen-17-one and its D-homo analogue. Ramadas SR, et al. **Steroids** 1982 Nov;40(5):519–33

METABOLISM

[Interaction of 8-aza-16-oxasteroids with rat liver microsomal cytochrome P-450] Akhrem AA, et al.
Biokhimiia 1984 Apr;49(4):570–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of azasteroids on growth and development of the free-living stages of Nippostrongylus brasiliensis and Nematospiroides dubius. Bottjer KP, et al.
Comp Biochem Physiol [B] 1984;78(4):805–11
Inhibition of 5 alpha-reductase activity and alteration of nuclear testosterone. Dihydrotestosterone ratio in human genital skin fibroblasts. Berkovitz GD, et al. **J Androl** 1984 May-Jun;5(3):171–5
4-Azasteroidal 5 alpha-reductase inhibitors without affinity for the androgen receptor. Liang T, et al. **J Biol Chem** 1984 Jan 25;259(2):734–9
Effect of an homo-aza-steroidal ester on estrogen receptor. Leclercq G, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul-Aug;5(6):365–7

STEROLS

Influence of oxygenated sterol compounds on phase transitions in model membranes. A study by differential scanning calorimetry. Egli UH, et al. **Biochemistry** 1984 Jan 3;23(1):148–52
Dissociation kinetics and equilibrium binding properties of polyene antibiotic complexes with phosphatidylcholine/sterol vesicles. Witzke NM, et al.
Biochemistry 1984 Apr 10;23(8):1668–74
Assignment of the 13C-nmr spectrum of Hippurin, a novel furospirostane: observation of both ends of the axis of anisotropic reorientation through the measurement of spin-lattice relaxation times. Martin GE, et al. **Steroids** 1983 May;41(5):637–41

ADMINISTRATION & DOSAGE

Effect of intravenous infusion of Intralipid, cholesterol, and plant sterols on hepatic cholesterogenesis. Kakis G, et al.
Can J Biochem Cell Biol 1984 Jan;62(1):1–10

ANALYSIS

Sterol-free eukaryotic cells from continuous cell lines of insects. Mitsuhashi J, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):1057–62
Filipin/sterol complexes in fertilized and unfertilized sea urchin egg membranes. Carron CP, et al. **Dev Biol** 1983 Oct;99(2):482–8
Sterol composition of normal human bile. Effects of feeding shellfish (marine) sterols. Lin DS, et al.
Gastroenterology 1984 Apr;86(4):611–7
Rings of membrane sterols surround the openings of vesicles and fenestrae, in capillary endothelium. Simionescu N, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1592–600
Distribution of sterol-specific complexes in a continually shearing region of a plasma membrane and at procaryotic-eucaryotic cell junctions. Tamm SL, et al.
J Cell Biol 1983 Oct;97(4):1098–106
The composition of sterols in mosquito larvae is optimal for zoosporogenesis in Lagenidium giganteum. Warner SA, et al. **J Invertebr Pathol** 1984 Mar;43(2):293–6

Densitometric thin-layer chromatographic analyses of free sterols in Echinostoma revolutum (Trematoda) adults and their excretory-secretory products. Bennett S, et al. **J Parasitol** 1983 Aug;69(4):789-90

Sterols of Leishmania species. Implications for biosynthesis. Goad LJ, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):161-70

Metabolic epidemiology of colon cancer: dietary pattern and fecal sterol concentrations of three populations. Reddy BS, et al. **Nutr Cancer** 1983;5(1):34-40

Occurrence and seasonal variation of 19-norcholest-4-en-3-one and 3 beta-monohydroxy sterols in the Californian gorgonian, Muricea californica. Popov S, et al. **Steroids** 1983 Apr;41(4):537-48

Transbilayer distribution of sterols in mycoplasma membranes: a review. Bittman R, et al. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):397-403 (35 ref.)

[Yeast resistance to polyene antibiotics. II. An analysis of the sterol composition of Saccharomyces cerevisiae yeasts resistant to nystatin] Levchenko AB, et al. **Genetika (Moskva)** 1984 Jul;20(7):1088-93 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Stimulation of beta 2-adrenergic receptors suppresses sterol synthesis in human mononuclear leukocytes. Krone W, et al. **Biochim Biophys Acta** 1984 May 22;804(1):137-40

Evidence for post-transcriptional regulation by insulin of 3-hydroxy-3-methylglutaryl coenzyme A reductase and sterol synthesis in human mononuclear leucocytes. Krone W, et al. **Diabetologia** 1984 May;26(5):366-9

Regional distribution of sterol and fatty acid synthesis in the ocular lens. Cenedella RJ. **Exp Eye Res** 1984 Jan;38(1):95-9

Altered sterol synthesis and its relationship to fluid-phase endocytosis in a macrophage cell line P388D1. Miller SC, et al. **In Vitro** 1983 Nov;19(11):853-62

Aphidicolin, a specific inhibitor of DNA polymerase alpha, inhibits conversion of lanosterol to C-27 sterols in mouse L cells. Leonard DA, et al. **J Biol Chem** 1984 Apr 25; 259(8):4904-9

Localization of de novo sterologenesis in mammalian skin. Feingold KR, et al. **J Invest Dermatol** 1983 Oct;81(4):365-9

The relationship between the rate of hepatic sterol synthesis and the incorporation of [3H]water. Pullinger CR, et al. **J Lipid Res** 1983 Oct;24(10):1321-8

Evidence that chlorpromazine inhibits sterologenesis at post-HMGCoA reductase sites in rat liver, in vitro. Bell FP, et al. **Lipids** 1983 Sep;18(9):668-71

Sterol synthesis from biliary squalene in the jejunal mucosa of the rat in vivo. Strandberg TE. **Lipids** 1983 Aug; 18(8):530-3

Effects of ketoconazole on growth and sterol biosynthesis of Leishmania mexicana promastigotes in culture. Berman JD, et al. **Mol Biochem Parasitol** 1984 May;12(1):1-13

Incorporation of precursors into sterols and proteins in liver biopsies from patients with liver disorders. Evensen SA, et al. **Scand J Gastroenterol** 1984 Jan;19(1):6-13

[Biosynthesis of mevalonic acid, sterols and bile acids from acetyl-CoA and malonyl-CoA in the human liver] Klimov AN, et al. **Biokhimiia** 1983 Nov;48(11):1862-9 (Eng. Abstr.) **(Rus)**

[Inhibition of incorporation of (2-14C) acetate into the free sterol fraction of hepatocytes as a result of treatment with ubiquinone-9] Novoselova EG. **Ukr Biokhim Zh** 1984 Mar-Apr;56(2):199-202 (Eng. Abstr.) **(Rus)**

BLOOD

Diurnal variation of plasma methyl sterols and cholesterol in the rat: relation to hepatic cholesterol synthesis. Strandberg TE, et al. **Lipids** 1984 Mar;19(3):202-5

[Sterol-fibrinogen blood complexes in patients with diabetes mellitus and associated ischemic heart disease] Bodnar PN, et al. **Ter Arkh** 1983;55(12):78-81 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

An attempt to isolate and identify allergens in lanolin. Fregert S, et al. **Contact Dermatitis** 1984 Jan;10(1):16-9

METABOLISM

Structural and physiological features of sterols necessary to satisfy bulk membrane and sparking requirements in yeast sterol auxotrophs. Rodriguez RJ, et al. **Arch Biochem Biophys** 1983 Sep;225(2):861-71

Some comparative effects of gemfibrozil, clofibrate, bezafibrate, cholestyramine and compactin on sterol metabolism in rats. Maxwell RE, et al. **Atherosclerosis** 1983 Sep;48(3):195-203

Sterol carrier protein2 (SCP2)-mediated transfer of cholesterol to mitochondrial inner membranes. Vahouny GV, et al. **Biochem Biophys Res Commun** 1984 Jul 31; 122(2):509-15

Isolation and characterization of an intermediate steroid metabolite in diosgenin biosynthesis in suspension cultures of Dioscorea deltoidea cells. Tal B, et al. **Biochem J** 1984 Apr 15;219(2):619-24

Surface properties of bacterial sulfhydryl-activated cytolytic toxins. Interaction with monomolecular films of phosphatidylcholine and various sterols. Alouf JE, et al. **Eur J Biochem** 1984 May 15;141(1):205-10

Factors limiting the microbial conversion of sterols to 17-ketosteroids in the presence of metal chelate inhibitors. Goswami PC, et al. **Folia Microbiol (Praha)** 1984; 29(3):209-16

Localization of filipin-sterol complexes in cell membranes of eosinophils. Pimenta PF, et al. **Histochemistry** 1984; 80(6):563-7

Distribution and movement of sterols with different side chain structures between the two leaflets of the membrane bilayer of mycoplasma cells. Clejan S, et al. **J Biol Chem** 1984 Jan 10;259(1):449-55

Effect of membrane sterol content on the susceptibility of phospholipids to phospholipase A2. Fisher GJ, et al. **J Biol Chem** 1983 Oct 10;258(19):11705-12

Sterol carrier protein2. Identification of adrenal sterol carrier protein2 and site of action for mitochondrial cholesterol utilization. Vahouny GV, et al. **J Biol Chem** 1983 Oct 10; 258(19):11731-7

Lack of effect of experimental ascorbic acid deficiency on bile acid metabolism, sterol balance, and biliary lipid composition in man. Duane WC, et al. **J Lipid Res** 1983 Sep;24(9):1186-95

The effect of AY-9944 on yeast sterol and sterol ester metabolism. Pereira R, et al. **Lipids** 1983 Aug;18(8):545-52

Primary hypercholesterolemia: effect of treatment on serum lipids, lipoprotein fractions, cholesterol absorption, sterol balance, and platelet aggregation. Briones ER, et al. **Mayo Clin Proc** 1984 Apr;59(4):251-7

Effect of oxytetracycline on bacterial intestinal metabolism of neutral sterols and on serum lipids. Korpela JT, et al. **Scand J Gastroenterol** 1984 May;19(3):401-4

Novel nuclear methylation of sterols by the nematode Caenorhabditis elegans. Chitwood DJ, et al. **Steroids** 1983 Sep;42(3):311-9

[The changes of sterol in lenses] Uotani J. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):155-61 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Growth-rate-related and hydroxysterol-induced changes in membrane fluidity of cultured hepatoma cells: correlation with 3-hydroxy-3-methyl glutaryl CoA reductase activity. Richert L, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):192-8

Role of hydrophilic bile acids and of sterols on cholelithiasis in the hamster. Singhal AK, et al. **J Lipid Res** 1984 Jun; 25(6):564-70

[Role of sterols in the membranotropic activity of triterpene glycosides] Popov AA, et al. **Antibiotiki** 1983 Sep; 28(9):656-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of sterols in sperm capacitation. Go KJ, et al. **Adv Lipid Res** 1983;20:317-30 (52 ref.)

STEVENS-JOHNSON SYNDROME

CHEMICALLY INDUCED

Stevens-Johnson syndrome associated with etoposide therapy [letter] Jameson CH, et al. **Cancer Treat Rep** 1983 Nov;67(11):1050-1

Stevens-Johnson syndrome associated with occupational exposure to trichloroethylene. Phoon WH, et al. **Contact Dermatitis** 1984 May;10(5):270-6

Severe cutaneous drug reactions: case reports. Herold M, et al. **Ethiop Med J** 1983 Oct;21(4):227-32

Coexistence of fixed drug eruptions and Stevens Johnson syndrome due to thiacetazone in a patient of pulmonary tuberculosis. Gupta PK, et al. **Indian J Chest Dis Allied Sci** 1983 Apr-Jun;25(2):152-4

Drug eruptions: an up to date survey. Kauppinen K. **Indian J Pediatr** 1983 Sep-Oct;50(406):541-4

Fatal Stevens-Johnson syndrome in a patient on captopril and allopurinol [letter] Pennell DJ, et al. **Lancet** 1984 Feb 25;1(8374):463

[Stevens-Johnson syndrome and granulopenia induced by sulfadoxine-pyrimethamine (Fansidar)] Ligthelm RJ, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1735-7 (Eng. Abstr.) **(Dut)**

COMPLICATIONS

Stevens-Johnson syndrome: report of case with abnormal root development. Ranalli DN, et al. **ASDC J Dent Child** 1984 Jul-Aug;51(4):298-301

Multiple pulmonary complications in a patient with Stevens-Johnson syndrome. Virant FS, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):412-4

Esophageal stricture and web secondary to Stevens-Johnson syndrome. Peters ME, et al. **Pediatr Radiol** 1983; 13(5):290-1

Mycoplasma pneumonia, Stevens-Johnson syndrome, and chronic obliterative bronchitis. Edwards C, et al. **Thorax** 1983 Nov;38(11):867-9

[Stevens-Johnson syndrome associated with Mycoplasma pneumoniae infection involving the middle ear] Trevisan G, et al. **G Ital Dermatol Venereol** 1982 May-Jun; 117(3):183-5 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Major cryptogenic polymorphic erythema of childhood] Werotte N, et al. **Acta Stomatol Belg** 1983;80(3):219-30 (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Mycoplasma pneumoniae and bullous syndrome of the mucosa] Lods F, et al. **Bull Soc Ophtalmol Fr** 1983 Feb; 83(2):323-4 (Eng. Abstr.) **(Fre)**

[Stevens-Johnson syndrome and Mycoplasma pneumoniae infection: presentation of 2 cases] Rodríguez Marcos MA, et al. **Med Clin (Barc)** 1983 May 21;80(18):799-801 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Erythema multiforme major (Stevens-Johnson syndrome) caused by orf virus infection] Hansen E, et al. **Tidsskr Nor Laegeforen** 1984 May 20;104(14):978-9 (Eng. Abstr.) **(Nor)**

THERAPY

Improved treatment of the Stevens-Johnson syndrome. Marvin JA, et al. **Arch Surg** 1984 May;119(5):601-5

STICKLEBACKS see under **FISHES**

STIFLE see under **HINDLIMB**

STIGMASTEROL see under **PHYTOSTEROLS**

STIGMATIZATION see **CHRISTIANITY**

STILBAMIDINES

A theoretical study of the nonintercalative binding of berenil and stilbamidine to double-stranded (dA-dT)n oligomers. Gresh N, et al. **Mol Pharmacol** 1984 May;25(3):432-8

THERAPEUTIC USE

Stilbamidine: tempus fugit [letter] Miller JM. **NY State J Med** 1984 Jan;84(1):6

STILBENES

ADVERSE EFFECTS

Reproductive hazards in the workplace. Development of epidemiologic research. Landrigan PJ, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):83-8

ANALYSIS

SITS: an unavailable reagent? [letter] Proctor GB, et al. **Histochem J** 1984 May;16(5):579-82

BIOSYNTHESIS

Purification and properties of a stilbene synthase from induced cell suspension cultures of peanut. Schöppner A, et al. **J Biol Chem** 1984 Jun 10;259(11):6806-11

BLOOD

Characterization of the stilbenedisulfonate binding site of the band 3 polypeptide of human erythrocyte membranes. Lieberman DM, et al. **Biochemistry** 1983 Aug 16; 22(17):4028-33

CHEMICAL SYNTHESIS

Substituted (omega-aminoalkoxy) stilbene derivatives as a new class of anticonvulsants. Kikumoto R, et al. **J Med Chem** 1984 May;27(5):645-9

ISOLATION & PURIFICATION

Use of potato disc and brine shrimp bioassays to detect activity and isolate piceatannol as the antileukemic principle from the seeds of Euphorbia lagascae. Ferrigni NR, et al. **J Nat Prod** 1984 Mar-Apr;47(2):347-52

METABOLISM

The effects of partial hepatectomy and of promoters on macromolecular binding of trans-4-acetylaminostilbene metabolites in liver and some extrahepatic tissues of rats. Hilpert D, et al. **Carcinogenesis** 1983 Dec;4(12):1527-33

Variation between different samples of SITS with respect to axonal transport and toxicity. Payne JN, et al. **Neurosci Lett** 1983 Dec 11;42(3):229-34

PHARMACODYNAMICS

Identification of the isozymes of glutathione transferase induced by trans-stilbene oxide. Di Simplicio P, et al. **Acta Chem Scand** [B] 1983;37(3):255-7

The interaction of human erythrocyte Band 3 with cytoskeletal components. Hsu L, et al. **Arch Biochem Biophys** 1983 Nov;227(1):31-8

Rat liver DT-diaphorase: regulation of functional mRNA levels by 3-methylcholanthrene, trans-stilbene oxide, and phenobarbital. Williams JB, et al. **Arch Biochem Biophys** 1984 Jul;232(1):408-13

Effects of an anion channel blocker, 4, 4'-diisothiocyano-2,2'-disulfonic acid stilbene (DIDS), on human neutrophil function. Smith RJ, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):964-72

Induction of xenobiotic-metabolizing enzymes by

trans-stilbene oxide and 2-acetylaminofluorene: observations on enzyme induction by drugs. DePierre JW, et al. **Biochem Soc Trans** 1984 Feb;12(1):58–60

Purification and characterization of the major microsomal cytochrome P-450 form induced by trans-stilbene oxide in rat liver. Meijer J, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):1–9

Physiological activities of 3,3',4,5'-tetrahydroxystilbene isolated from the heartwood of Cassia garrettiana CRAIB. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan; 32(1):213–8

The antifungal activity of stilbene derivative. Inamori Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):801–4

Inhibition of anion transport across the red cell membrane by dinitrophenylation of a specific lysine residue at the H2DIDS binding site of the band 3 protein. Rudloff V, et al. **FEBS Lett** 1983 Oct 31;163(1):14–21

Oxalate and chloride absorption by the rabbit colon: sensitivity to metabolic and anion transport inhibitors. Hatch M, et al. **Gut** 1984 Mar;25(3):232–7

Effects of SITS, an anion transport blocker, on CSF ionic composition in metabolic alkalosis. Javaheri S, et al. **J Appl Physiol** 1984 Jul;57(1):92–7

Transmembrane effects of intracellular chloride on the inhibitory potency of extracellular H2DIDS. Evidence for two conformations of the transport site of the human erythrocyte anion exchange protein. Furuya W, et al. **J Gen Physiol** 1984 May;83(5):657–81

The kinetics of intramolecular cross-linking of the band 3 protein in the red blood cell membrane by 4,4'-diisothiocyano dihydrostilbene-2,2'-disulfonic acid (H2DIDS). Kampmann L, et al. **J Membr Biol** 1982; 70(3):199–216

Influence of DIDS on the dual actions of vanadate on high K-induced contraction in the guinea-pig taenia coli. Ueda F, et al. **Jpn J Pharmacol** 1983 Aug;33(4):894–6

Intracellular SITS injection dye-uncouples mammalian oligodendrocytes in culture. Kettenmann H, et al. **Neurosci Lett** 1983 Aug 19;39(1):21–6

Effects of the stilbene derivatives SITS and DIDS on intestinal ATPase activities. Faelli A, et al. **Pharmacol Res Commun** 1984 Apr;16(4):339–50

Effects of stilbene components of roots of Polygonum ssp. on liver injury in peroxidized oil-fed rats. Kimura Y, et al. **Planta Med** 1983 Sep;49(1):51–4

Effect of dietary trans-stilbene oxide on hepatic and renal drug-metabolizing enzyme activities and bromobenzene-induced toxicity in male Sprague-Dawley rats. Kuo CH, et al. **Toxicol Lett** 1984 Jan;20(1):13–21

Induction of cytosolic glutathione transferase and microsomal epoxide hydrolase activities in extrahepatic organs of the rat by phenobarbital, 3-methylcholanthrene and trans-stilbene oxide. DePierre JW, et al. **Xenobiotica** 1984 Apr;14(4):295–301

THERAPEUTIC USE

Enhanced total body clearance of heptachlor from rats by trans-stilbeneoxide. Scheufler E, et al. **Toxicology** 1984 Aug;32(2):93–104

TOXICITY

The role of partial hepatectomy and of promoters in the formation of tumors in non-target tissues of trans-4-acetylaminostilbene in rats. Hilpert D, et al. **Carcinogenesis** 1983 Dec;4(12):1519–25

The dose-dependence of DNA interactions of aminostilbene derivatives and other chemical carcinogens. Neuman HG. **Dev Toxicol Environ Sci** 1983;11:135–44

URINE

Identification of several stilbene derivatives in bovine urine by means of high performance liquid chromatographic fractionation and immunochemical detection. Jansen EH, et al. **Vet Q** 1984 Jan;6(1):5–7

STILBESTROL see **DIETHYLSTILBESTROL**

STILL'S DISEASE see **ARTHRITIS, JUVENILE RHEUMATOID**

STILLBIRTH see **FETAL DEATH**

STIMULATION, ACOUSTIC see **ACOUSTIC STIMULATION**

STIMULATION, CHEMICAL

see related
ENZYME INDUCTION

[Diagnostic value of the prolactin stimulation test in infertile women with galactorrhea] Bohnet HG, et al. **Fortschr Med** 1984 Apr 12;102(14):394–6 (Eng. Abstr.) **(Ger)**

STIMULATION, ELECTRIC see **ELECTRIC STIMULATION**

STIMULATION, PHOTIC see **PHOTIC STIMULATION**

STIMULATION, PHYSICAL see **PHYSICAL STIMULATION**

STINGS see **BITES AND STINGS**

STIPPLED EPIPHYSES see **CHONDRODYSTROPHIA CALCIFICANS CONGENITA**

STOCHASTIC PROCESSES see under **PROBABILITY**

STOCKINGS, COMPRESSION see **CLOTHING**

STOICISM see **PHILOSOPHY**

STOMACH

see related
GASTRECTOMY

Metoclopramide in the treatment of gastric bezoars [letter] Delpre G, et al. **Am J Gastroenterol** 1984 Sep;79(9):739–40

Trichobezoar: two case reports—a new physical sign. Lamerton AJ. **Am J Gastroenterol** 1984 May;79(5):354–6

Gastric bezoars: treatment and prevention. Rider JA, et al. **Am J Gastroenterol** 1984 May;79(5):357–9

Swallowed endotracheal tube in an adult. Hoffman S, et al. **Anesth Analg** 1984 Apr;63(4):457–9

Prolonged bromide intoxication resulting from a gastric bezoar. Iberti TJ, et al. **Arch Intern Med** 1984 Feb; 144(2):402–3

Nonpersimmon gastric phytobezoar. A benign recurrent condition. Zarling EJ, et al. **Arch Intern Med** 1984 May; 144(5):959–61

Case of the month No. 67. Watch battery ingestion. Reger KM, et al. **Ariz Med** 1983 Aug;40(8):559–60

Foreign body removal from the upper gastrointestinal tract. Sanowski RA. **Ariz Med** 1984 Mar;41(3):161–3

Fiberendoscopic removal of ingested thermometers: a case report. Jonas SK. **Del Med J** 1984 Jun;56(6):357–8

The key to a key [letter] Carman R, et al. **Gastrointest Endosc** 1983 Aug;29(3):250

Fiberendoscopic removal of a gastric foreign body with overtube technique. Spurling TJ, et al. **Gastrointest Endosc** 1983 Aug;29(3):226–7

Foreign bodies of the upper gastrointestinal tract. Vizcarrondo FJ, et al. **Gastrointest Endosc** 1983 Aug; 29(3):208–10

Spontaneous penetration of an antireflux prosthesis into the stomach. Haney PJ, et al. **Gastrointest Radiol** 1983; 8(4):303–5

Assessment of pulmonary maturity and risk of respiratory distress syndrome by shake test of gastric aspirate in newborns. Chahar CK, et al. **Indian J Chest Dis Allied Sci** 1983 Jan-Mar;25:36–40

An epidemic of persimmon bezoars in Israel. Granot E, et al. **Isr J Med Sci** 1984 Feb;20(2):167–9

New therapeutic approach in postoperative phytobezoars. Delpre G, et al. **J Clin Gastroenterol** 1984 Jun;6(3):231–7

A gastric bezoar causing a target lesion as revealed by ultrasound. Goff WB 2d, et al. **J Ultrasound Med** 1984 Jun;3(6):275–6

Experimental and naturally-occurring gastric foreign bodies in laboratory rabbits. Leary SL, et al. **Lab Anim Sci** 1984 Feb;34(1):58–61

Drug smuggling by internal bodily concealment. Dunne JW. **Med J Aust** 1983 Oct 29;2(9):436–9

Call to quarters [letter] Clement DJ, et al. **N Engl J Med** 1984 Aug 23;311(8):542

Fluoroscopic removal of ingested alkaline batteries. Jaffe RB, et al. **Radiology** 1984 Feb;150(2):585–6

[A rare cause of gastric perforation: phytobezoar (letter)] Veyrac M, et al. **Gastroenterol Clin Biol** 1984 Jun-Jul; 8(6-7):580–1 **(Fre)**

[Bezoar with real and simulated complications] Vonesch HJ, et al. **Dtsch Med Wochenschr** 1984 Mar 16;109(11):426–9 (Eng. Abstr.) **(Ger)**

[Principal symptom: feeling of fullness] Brambs HJ, et al. **Radiologe** 1984 May;24(5):247–8 **(Ger)**

[The muscles and blood supply of the stomach] Liebermann-Meffert D, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):711–3 (Eng. Abstr.) **(Ger)**

[Morphological findings and functional considerations on the structural adaptation of colonic grafts on the rat stomach] Ratto GB, et al. **Minerva Med** 1983 Oct 6;74(38):2227–36 (Eng. Abstr.) **(Ita)**

[Bezoars of the stomach in children] Sawicz-Birkowska K, et al. **Pediatr Pol** 1984 Apr;59(4):327–30 **(Pol)**

[Case of trichobezoar of the stomach] Grzegorzewski M, et al. **Pol Przegl Radiol (Warszawa)** 1983 May-Jun;47(3):223–5 (Eng. Abstr.) **(Pol)**

[2 rare cases of successful endoscopic removal of foreign bodies from the stomach and duodenum] Vantsian EN, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):128–30 **(Rus)**

[Intestinal obstruction in the late period after vagotomy due to gastric bezoars] Shevchenko BF, et al. **Klin Khir** 1983 Oct;(10):61–2 **(Rus)**

[Complication of stomach phytobezoars] Miagkov II, et al. **Vrach Delo** 1983 Jun;(6):86–8 **(Rus)**

[Trichophagia, trichobezoar, intestinal invagination and iron deficiency] González Espinosa C, et al. **An Esp Pediatr** 1983 Oct;19(4):337–8 **(Spa)**

ABNORMALITIES

Congenital duplication of the stomach: case report and review of the English literature. Wieczorek RL, et al. **Am J Gastroenterol** 1984 Aug;79(8):597–602

Congenital microgastria. Gorman B, et al. **Br J Radiol** 1984 Mar;57(675):260–2

Ectopic gastric duplication cyst in an infant. Curran JP, et al. **Clin Pediatr (Phila)** 1984 Jan;23(1):50–2

Treatment of congenital microgastria and dumping syndrome. Anderson KD, et al. **J Pediatr Surg** 1983 Dec; 18(6):747–50

[Duplication of the stomach] Bak-Jensen E, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3665–6 (Eng. Abstr.) **(Dan)**

[Retroperitoneal tumor on the left side: double stomach] Salameh S, et al. **Urologe [Ausg A]** 1983 Sep;22(5):249–51 (Eng. Abstr.) **(Ger)**

[Stomach duplication in 2 neonatal cases] Szemlédy F, et al. **Orv Hetil** 1984 Mar 4;125(10):589–91 (Eng. Abstr.) **(Hun)**

[Abnormal position of the stomach as a cause of malabsorption syndromes in infants] Grzybowska K. **Pediatr Pol** 1984 Apr;59(4):273–8 (Eng. Abstr.) **(Pol)**

[Pseudoneoplastic gastric deformity in acute recurrent pancreatitis] Wójcik Z, et al. **Wiad Lek** 1983 Nov 15; 36(22):1891–3 (Eng. Abstr.) **(Pol)**

ANALYSIS

Measurement of prostaglandin E2 in interstitial fluid from the dog stomach after feeding and indomethacin. Bunnett NW, et al. **Gastroenterology** 1983 Dec;85(6):1391–8

Prostaglandin E1 (PGE1) gastric tissue levels in the rat after truncal vagotomy and/or pre-hepatic portal hypertension. Meriggi F, et al. **Ital J Surg Sci** 1984;14(1):37–42

Rapid proteolytic generation of neurotensin-related peptide(s) and biologic activity during extraction of rat and chicken gastric tissues. Carraway RE. **J Biol Chem** 1984 Aug 25;259(16):10328–34

Isolation and structure of guinea pig gastric and pancreatic somatostatin. Conlon JM. **Life Sci** 1984 Jul 9;35(2):213–20

[Determination of zinc in gastric tissue, gastric fluids, plasma and urine in gastric cancer and non-cancer patients] Song GP. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):632–3 (Eng. Abstr.) **(Chi)**

[Type specificity of meat from the stomach contents of cadavers] Baur C, et al. **Beitr Gerichtl Med** 1984;42:281–4 (Eng. Abstr.) **(Ger)**

[Determination of milk and cheese in stomach contents] Baur C, et al. **Beitr Gerichtl Med** 1983;41:371–5 (Eng. Abstr.) **(Ger)**

[Evaluation of the stomach contents of slaughtered pigs in animal nutrition] Kamphues J, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1;97(6):202–5 (Eng. Abstr.) **(Ger)**

[Forensic chemical determination of acetic acid in the stomach wall] Kakhanovskiĭ FN, et al. **Sud Med Ekspert** 1983 Jul-Sep;26(3):34–5 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

In vivo observation of the lymphatic system in the rat stomach. Nagata H, et al. **Gastroenterology** 1984 Jun; 86(6):1443–50

A novel structure in the stomach and intestine of two species of Australian marsupial mice. Poskitt DC, et al. **J Comp Pathol** 1984 Jul;94(3):481–5

Improved MR imaging of the upper abdomen with glucagon and gas. Weinreb JC, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):835–8

Comparative and functional morphology of the stomach in the adult and newborn pigmy hippopotamus (Choeropsis liberiensis). Macdonald AA, et al. **J Morphol** 1983 Sep; 177(3):269–76

Ultrasonographic measurements of the normal gastric wall. Kuroiwa T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1273–7

Comparative anatomy of the stomach in mammalian herbivores. Langer P. **Q J Exp Physiol** 1984 Jul; 69(3):615–25

Anatomical aspects in ultrasonic endoscopy for the stomach. Caletti G, et al. **Scand J Gastroenterol [Suppl]** 1984;94:34–42

Ultrasonic endoscopy—the gastrointestinal wall. Caletti G, et al. **Scand J Gastroenterol [Suppl]** 1984;102:5–8

[Morphological data on the esophagus and stomach of amphibia] Bani G. **Arch Ital Anat Embriol** 1983 Jan-Mar; 88(1):61–80 (Eng. Abstr.) **(Ita)**

[Histochemistry and ultrastructure of gastric glandular cells of the Raja asterias delaroche (Elasmobranchi)] Faraldi G, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):967–73 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Ischaemic necrosis of the lesser curvature of the stomach as a complication of proximal selective vagotomy. Ihász M, et al. **Acta Chir Hung** 1984;25(1):21–31

Collateral pathways of the left gastric vein in portal hypertension. Widrich WC, et al. **AJR** 1984 Feb; 142(2):375–82

Isolated gastric varices due to spontaneous splenic vein thrombosis. Goldberg S, et al. **Am J Gastroenterol** 1984 Apr;79(4):304–7

Late results of an extended devascularization procedure for patients with bleeding esophageal varices. Estes NC, et al. **Am Surg** 1984 Jul;50(7):381–5

Radiological anatomy of the right gastroepiploic artery. Hannoun L, et al. **Anat Clin** 1984;5(4):265–71

Gastroepiploic artery pseudoaneurysm as a cause of abdominal apoplexy. Role of CT scanning. Lavoipierre AM, et al. **Australas Radiol** 1984 Feb;28(1):23–5

Gastroduodenal artery aneurysm detected by radionuclide studies. Orellana P, et al. **Clin Nucl Med** 1983 Nov; 8(11):540–2

A case of asymptomatic primary biliary cirrhosis with an initial presenting feature of localized gastric varices. Yabu K, et al. **Gastroenterol Jpn** 1983 Aug;18(4):384–90

Embolisation of gastroduodenal artery aneurysm caused by chronic pancreatitis. Thakker RV, et al. **Gut** 1983 Nov; 24(11):1094–8

Measurement of azygos venous blood flow by a continuous thermal dilution technique: an index of blood flow through gastroesophageal collaterals in cirrhosis. Bosch J, et al. **Hepatology** 1984 May–Jun;4(3):424–9

Morphology of gastric microcirculation in cirrhosis. Hashizume M, et al. **Hepatology** 1983 Nov–Dec; 3(6):1008–12

The microvasculature and gastric luminal pH of the forestomach of the rat: a comparison with the glandular stomach. Browning J, et al. **Int J Microcirc Clin Exp** 1983; 2(2):109–18

The tripeptide ZAMI–420 inhibits thromboxane–induced gastric vasoconstriction and ischaemia. Moroni D, et al. **Int J Tissue React** 1983;5(3):249–52

Rupture of gastroduodenal artery aneurysm into the portal vein. Agrifoglio G, et al. **Int Surg** 1983 Jul–Sep; 68(3):279–81

Gastric devascularization—an emergency treatment for hemorrhagic gastritis in the neonate. Udassin R, et al. **J Pediatr Surg** 1983 Oct;18(5):579–80

Gastric blood flow responses to autonomic nerve stimulation and related pharmacological studies in rats. Yano S, et al. **J Pharm Pharmacol** 1983 Oct;35(10):641–6

Ischemic necrosis of proximal gastric remnant following subtotal gastrectomy with splenectomy. Isabella V, et al. **J Surg Oncol** 1984 Feb;25(2):124–32 (35 ref.)

A rare anomalous case of absence of the celiac trunk—the left gastric, the splenic and the common hepatic arteries arose from the abdominal aorta independently. Okada S, et al. **Okajimas Folia Anat Jpn** 1983 May;60(1):65–71

Gastrointestinal blood flow and oxygen consumption in the newborn lamb: effect of chronic anemia and acute hypoxia. Nowicki PT, et al. **Pediatr Res** 1984 May;18(5):420–5

Gastric bleeding sites: an angiographic study. Kelemouridis V, et al. **Radiology** 1983 Dec;149(3):643–8

Gelfoam powder embolization of the left gastric artery in treatment of massive small–vessel gastric bleeding. Rösch J, et al. **Radiology** 1984 May;151(2):365–70

The bleeding gastric ulcer—will it bleed again, and if so, why? A case for repeat endoscopy in evaluating stigmata. Shuttleworth RD, et al. **S Afr Med J** 1984 Jul 21;66(3):95–7

The influence of autonomous nervous activity on total and regional gastric blood flow. Hottenrott C, et al. **Scand J Gastroenterol [Suppl]** 1984;89:37–9

Intraoperative measurements of gastric blood flow in man: effects on blood flow of acid secretory stimulation and inhibition. Ivarsson LE. **Scand J Gastroenterol [Suppl]** 1984; 89:33–6

[Devascularization operation in treatment of massive hemorrhage due to esophageal varices] Shen YZ. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):206–8 **(Chi)**

[Left gastric venocaval shunt using autogenous venous graft for portal hypertension] Xiao BX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):202–3 **(Chi)**

[Bleeding from an aneurysm of a gastric artery] Merkelbach JW, et al. **Ned Tijdschr Geneeskd** 1983 Aug 13; 127(33):1485–7 (Eng. Abstr.) **(Dut)**

[Frequency of different sites of origin of the right gastric artery] Eckmann I, et al. **Anat Anz** 1984;155(1–5):65–70 (Eng. Abstr.) **(Ger)**

[Changes in microcirculation of various layers and regions of the stomach wall following selective proximal vagotomy. Animal experiments using radioactive–labeled plastic particles] Lenz J, et al. **Zentralbl Chir** 1983; 108(21):1358–69 (Eng. Abstr.) **(Ger)**

[Blood flow velocity study of the behavior of the superficial epigastric artery in obstructive iliac–femoral arteriopathy] Mascoli F, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):227–30 (Eng. Abstr.) **(Ita)**

[A gastric cancer patient who underwent curative resection by angiotension–induced hypertension cancer chemotherapy] Hakuta Y, et al. **Gan No Rinsho** 1984 Jan; 30(1):66–9 (Eng. Abstr.) **(Jpn)**

[Lymph flow of the stomach and the lymph node metastasis of gastric cancer] Kawaji T. **Igaku Kenkyu** 1983 Jun; 53(3):127–54 (68 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental studies on blood flow in the gastric tube for esophageal reconstruction] Ikeda M. **Nippon Geka Gakkai Zasshi** 1983 May;84(5):404–17 (Eng. Abstr.) **(Jpn)**

[Angiographic analysis of vascular anatomy in gastric cancer] Sawai K, et al. **Nippon Geka Gakkai Zasshi** 1984 Feb; 85(2):143–52 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on esophago–gastric hemodynamics before and after devascularization for esophageal varices] Toyama S. **Nippon Geka Gakkai Zasshi** 1984 Apr;85(4):307–17 (Eng. Abstr.) **(Jpn)**

[Computed tomography of gastro–renal venous shunt: case report] Matsuo H, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):143–6 (Eng. Abstr.) **(Jpn)**

[Irrigation of the lesser gastric curvature after proximal gastric vagotomy. Evaluation by the fluorescein method and histopathological study] Kobayasi S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):115–20 (Eng. Abstr.) **(Por)**

[Metabolic surface area of the microvessels of the gastric serosa] Synkova NV. **Arkh Anat Gistol Embriol** 1984 May; 86(5):43–9 (Eng. Abstr.) **(Rus)**

[Structural aspects of the regulatory mechanisms of vascular reactions] Klimov PK, et al. **Fiziol Zh SSSR** 1984 May; 70(5):633–40 (Eng. Abstr.) **(Rus)**

[Embolization of dilated varicose veins of the stomach and esophagus in portal hypertension in children] Akopian VG, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):115–20 **(Rus)**

[Comparative evaluation of different methods of ligation of varicose veins of the esophagus and stomach in patients with extrahepatic portal hypertension] Eramishantsev AK, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):63–9 (Eng. Abstr.) **(Rus)**

[Surgical aspects of the regional blood flow of the stomach and duodenum] Koval'chuk LA. **Khirurgiia (Mosk)** 1984 Mar;(3):34–8 (Eng. Abstr.) **(Rus)**

[Effect of a reduced gastric blood circulation on energy metabolism indices in tissues of the rat stomach] Gavrovskaia LK, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):52–5 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Immunocytochemical study of the gastroenteropancreatic endocrine cells of the sheep. Calingasan NY, et al. **Acta Anat (Basel)** 1984;118(3):171–80

Cellular control of pepsinogen secretion. Hersey SJ, et al. **Annu Rev Physiol** 1984;46:393–402 (36 ref.)

Cells intermediate between mucous neck cells and chief cells in rat stomach. Suzuki S, et al. **Cell Tissue Res** 1983; 233(3):475–84

Histological and immunocytochemical observation of the hindstomach of the collared peccary, Dicotyles tayacu (Tayassuidae). Tamate H, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):547–59

Culture of human gastrointestinal epithelial cells. Moyer MP. **Proc Soc Exp Biol Med** 1983 Oct;174(1):12–5

[Isolation of single smooth muscle cells from viscera and its usefulness as an in vitro system for the study of contraction mechanism] Yabu H. **Hokkaido Igaku Zasshi** 1984 Jan; 59(1):7–12 **(Jpn)**

DRUG EFFECTS

Dissociated response of acid and pepsin secretion to omeprazole in an in vitro perfused mouse stomach. Fimmel CJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G240–7

The effect of metoclopramide on gastric contents after preoperative ingestion of sodium citrate. Schmidt JF, et al. **Anesth Analg** 1984 Sep;63(9):841–3

Prevention of experimentally induced gastric damage with the tripeptide ZAMI–420, a new thromboxane synthesis inhibitor. Gervasi GB, et al. **Int J Tissue React** 1983; 5(3):253–6

Subacute and chronic action of acrylonitrile on adrenals and gastrointestinal tract: biochemical, functional and ultrastructural studies in the rat. Szabo S, et al. **J Appl Toxicol** 1984 Jun;4(3):131–40

Alcohol and the gastrointestinal tract. Burbige EJ, et al. **Med Clin North Am** 1984 Jan;68(1):77–89 (100 ref.)

Butyl hydroxy toluene antagonizes the gastric toxicity but not the pharmacological activity of acetylsalicylic acid in rats. van Kolfschoten AA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):283–5

Short–term pathological and proliferative effects of butylated hydroxyanisole and other phenolic antioxidants in the forestomach of Fischer 344 rats. Nera EA, et al. **Toxicology** 1984 Sep 14;32(3):197–213

[Imadyl: gastric irritation in comparison with acetylsalicylic acid, indomethacin, piroxicam and diclofenac–Na] Brendl K, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct; 5(8):579–80 (Eng. Abstr.) **(Ger)**

[Gastric stimulus response: Euphylline, theophylline, ethylenediamine and Riopan: gastric transmural potential difference (GPD)] Bruhn R, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):581–3 (Eng. Abstr.) **(Ger)**

[Inhibition of motility and cytoprotective action of supidimide in the human stomach] Paul F, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):555–8 (Eng. Abstr.) **(Ger)**

[Gastric adaptation to indomethacin in rat] Kuwayama H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec; 80(12):2525–32 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Fetal gastric and small intestine pattern of intestinal mucus antigens in human gastric carcinomas. Nardelli J, et al. **Cancer Res** 1984 Sep;44(9):4157–63

Activation of chemical carcinogens by cultured human fetal liver, esophagus and stomach. Autrup H, et al. **Chem Biol Interact** 1984 Jun;50(1):15–25

Cytochemical characterization of mucosubstances in the chick glandular stomach during embryonary and postnatal development. Altamirano F, et al. **Folia Histochem Cytochem (Krakow)** 1984;22(2):105–11

ENZYMOLOGY

Regulation by histamine of cAMP–dependent protein kinase in guinea–pig stomach. Holian O, et al. **Agents Actions** 1984 Feb;14(2):166–73

Comparison of histidine decarboxylases from rat stomach and brain with that from whole bodies of rat fetus. Yamada M, et al. **Agents Actions** 1984 Feb;14(2):143–52

Vanadate binding to the gastric H,K–ATPase and inhibition of the enzyme's catalytic and transport activities. Faller LD, et al. **Biochemistry** 1983 Sep 27;22(20):4676–85

Gastric lipolysis in the developing rat. Ontogeny of the lipases active in the stomach. Liao TH, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):1–9

Interindividual variation in the activity of O6–methyl guanine–DNA methyltransferase and uracil–DNA glycosylase in human organs. Myrnes B, et al. **Carcinogenesis** 1983 Dec;4(12):1565–8

A comparison of lysosomal acid hydrolase activities in human gastric antrum and in different regions of the porcine stomach. Devery RA, et al. **Comp Biochem Physiol [B]** 1983;76(3):549–53

Stomach lysozymes of ruminants. I. Distribution and catalytic properties. Dobson DE, et al. **J Biol Chem** 1984 Sep 25; 259(18):11607–16

Stomach lysozymes of ruminants. II. Amino acid sequence of cow lysozyme 2 and immunological comparisons with other lysozymes. Jollès P, et al. **J Biol Chem** 1984 Sep 25;259(18):11617–25

Pharmacological activities of a kinin released from rat plasma by catheptic enzyme in rat stomach. Kobayashi M, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1119–26

Fat digestion in the stomach: stability of lingual lipase in the gastric environment. Fink CS, et al. **Pediatr Res** 1984 Mar;18(3):248–54

[The effect of truncal vagotomy on enzyme activities of stomach, pancreas and liver] Hahn M, et al. **Zentralbl Chir** 1984;109(3):199–206 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Ontogeny of gastric mucosal muscarinic receptor and sensitivity to carbachol. Seidel ER, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G550–5

The developmental physiology of the stomach: possible contributions to the regulatory disturbances of duodenal ulcer disease. Ackerman SH. **Proc Soc Exp Biol Med** 1984 Feb;175(2):119–26 (24 ref.)

IMMUNOLOGY

Distribution of blood group antigens and CA 19–9 in gastric cancers and non–neoplastic gastric mucosa. Hirohashi S, et al. **Gann** 1984 Jun;75(6):540–7

Increased numbers of IgE containing cells in gastric and duodenal biopsies. An expression of food allergy secondary to chronic inflammation? van Spreeuwel JP, et al. **J Clin Pathol** 1984 Jun;37(6):601–6

Peroral infection of suckling mice with milk–borne mouse mammary tumour virus: uptake of the main viral antigens by the gut. Hainaut P, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2535–48

[Distribution of lymphocyte subpopulation and natural killer activity in gastric cancer tissue, normal stomach and various tissues of gastric cancer patients] Moritani Y. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):132–42 (Eng. Abstr.) **(Jpn)**

INJURIES

Gastric rupture from blunt trauma. A plea for minimal diagnostics and early surgery. Courcy PA, et al. **Am Surg** 1984 Aug;50(8):424–7

Battery ingestion: a potential form of alkaline injury to the gastrointestinal tract [letter] Levine MJ, et al. **Ann Emerg Med** 1984 Feb;13(2):143–5

A 'wandering bullet' in the thoracic esophagus. Montano JN, et al. **J Natl Med Assoc** 1983 Aug;75(8):835–6

[Large excision for caustic gastroduodenal burn] Mislawski R, et al. **Presse Med** 1984 Jul 7;13(28):1742–4 (Eng. Abstr.) **(Fre)**

[Gastric rupture following resuscitation] Iuchtman M, et al. **Harefuah** 1983 Jul;105(1–2):16–7 (Eng. Abstr.) **(Heb)**

[Shellac bezoar of the stomach] Janica J. **Wiad Lek** 1983 May 15;36(10):881–3 (Eng. Abstr.) **(Pol)**

[Double perforation of the stomach by a foreign body] Nishanov FN, et al. **Sov Med** 1984;(6):114 **(Rus)**

[Combined injuries of the inferior vena cava, thoracic duct and stomach] Zhenetl' ZD, et al. **Sov Med** 1983;(8):115–6 **(Rus)**

[Posttraumatic cicatricial deformity of the stomach mistaken for a tumor] Podolian SA, et al. **Vestn Khir** 1984 Jul; 132(7):118–9 **(Rus)**

[Choice of the surgical technic in post–burn stenosis of the stomach in children] Vereiutin IuM, et al. **Vestn Khir** 1983 Sep;131(9):114–5 **(Rus)**

[A case of trichobezoar of the stomach] Akmirzoeva MB. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):74–5 **(Rus)**

INNERVATION

Distribution of vagus nerve fibres in the stomach wall. Fehér E, et al. **Acta Chir Hung** 1983;24(3):177–85

Postnatal development of the myenteric plexus in cat stomach. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1983; 9(4):74–84

Prenatal development of the myenteric plexus in cat stomach. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1983; 9(4):63–73

Vagotomy effect on the content and synthesis of acetylcholine in autonomic ganglia in dog stomach. Górny D, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):155–62

Intracellular recordings from vagally innervated intramural neurons in opossum stomach. King BF, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G209–12

Reflex regional vascular responses during passive gastric distension in cats. Longhurst JC, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R257–65

Gastrin release from isolated perfused rat stomach after vagotomy. Pederson RA, et al. **Am J Physiol** 1984 Sep; 247(3 Pt 1):G248–52

Pentagastrin potentiates nonadrenergic inhibitory neuromuscular transmission in orad stomach of the dog. Schmalz PF, et al. **Am J Physiol** 1983 Oct;245(4):G597–600

The organization of the gastric efferent projections in the brainstem of monkey: an HRP study. Karim MA, et al. **Brain Res** 1984 Feb 20;293(2):231–40

Augmented gastrin responses in diabetic patients with vagal neuropathy. Kanatsuka A, et al. **Diabetologia** 1984 Jun; 26(6):449–52

Roles of gastrin release and neural reflexes during the gastric phase of acid secretion in dogs. Cadiere G, et al. **Eur Surg Res** 1984;16(1):23–30

Regulation of interdigestive contractions in the denervated stomach. Nakaya M, et al. **Gastroenterol Jpn** 1983 Oct; 18(5):417–27

Origins and three-dimensional distribution of substance P-containing structures on the rat stomach using whole-mount tissue. Minagawa H, et al. **Gastroenterology** 1984 Jan;86(1):51–9

Sensory substance P innervation of the stomach and pancreas. Demonstration of capsaicin-sensitive sensory neurons in the rat by combined immunohistochemistry and retrograde tracing. Sharkey KA, et al. **Gastroenterology** 1984 Oct; 87(4):914–21

Gastric lesser curve superficial seromyotomy: an experimental study in dogs. Goyal J, et al. **Int Surg** 1984 Jan–Mar;69(1):85–7

Diabetic gastroparesis from autonomic neuropathy: surgical considerations and changes in vagus nerve morphology. Guy RJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):686–91

Synaptic perturbation and entrainment of gastric mill rhythm of the spiny lobster. Ayers J, et al. **J Neurophysiol** 1984 Jan;51(1):113–25

Neural control of periodic secretion of the pancreas and the stomach in fasting dogs. Magee DF, et al. **J Physiol (Lond)** 1983 Nov;344:153–60

Neurones localized with antibodies against choline acetyltransferase in the enteric nervous system. Furness JB, et al. **Neurosci Lett** 1983 Sep 30;40(2):105–9

Neuronal histamine in the gut wall releasable by gastrin and cholecystokinin. Håkanson R, et al. **Neurosci Lett** 1983 Dec 11;42(3):305–10

Effect of 5-hydroxydopamine on the large dense-cored vesicles in the axon terminals of the myenteric ganglia of the guinea-pig stomach. Hoyes AD, et al. **Neurosci Lett** 1983 Oct 10;40(3):251–6

The activity front of the migrating motor complex of the human stomach but not of the small intestine is motilin-dependent. Janssens J, et al. **Regul Pept** 1983 Aug; 6(4):363–9

Different modes of action of substance P in the motor control of the feline stomach and pylorus. Lidberg P, et al. **Regul Pept** 1983 Sep;7(1):41–52

Neurotransmitters in the control of feeding and its rewards: monoamines, opiates, and brain-gut peptides. Hoebel BG. **Res Publ Assoc Res Nerv Ment Dis** 1984;62:15–38

How to achieve total gastric sympathectomy. Silber R, et al. **Scand J Gastroenterol [Suppl]** 1984;89:89–94

Denervation of the greater curvature in proximal gastric vagotomy. Martinez-Ramos C, et al. **World J Surg** 1983 Sep;7(5):604–9

[The presence of purinergic, quinacrine-positive neurons in the rabbit stomach] Brizzi E, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):962–4 (Eng. Abstr.) **(Ita)**

[Electrical activity of the cerebral cortex in fasting dogs with preserved and disordered gastric innervation] Lebedev NN, et al. **Biull Eksp Biol Med** 1984 May;97(5):536–9 (Eng. Abstr.) **(Rus)**

[Energy metabolism in the smooth muscle of the gastrointestinal tract in experimental disorders of its neural regulation] Zalko NN, et al. **Fiziol Zh** 1984 May–Jun; 30(3):289–94 (Eng. Abstr.) **(Rus)**

[The effect of impairment of neuroregulation on the activity of redox enzymes in the smooth muscles of the pigeon stomach] Mikhnev VA. **Vopr Med Khim** 1984 May–Jun; 30(3):99–102 (Eng. Abstr.) **(Rus)**

[Surgical anatomy of the vagal innervation of the stomach in rats] Daniš J, et al. **Bratisl Lek Listy** 1983 Nov; 80(5):546–9 **(Slo)**

METABOLISM

Dual isotope Schilling test for measuring absorption of food-bound and free vitamin B12 simultaneously. Doscherholmen A, et al. **Am J Clin Pathol** 1983 Oct; 80(4):490–5

Catabolism of neurotensin in interstitial fluid of the rat stomach. Bunnett NW, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):G675–82

Regulation of gastroduodenal HCO-3 transport by luminal acid in the frog in vitro. Heylings JR, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G235–42

DNA repair synthesis following exposure to chemical mutagens in primary liver, stomach, and intestinal cells isolated from rainbow trout. Walton DG, et al. **Cancer Res** 1984 Mar;44(3):1120–1

An isolated vascularly perfused stomach for studying drug distribution, metabolism and action in the stomach: acid secretion in response to secretagogues. Hori R, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3644–8

Low forestomach acidity in the rat and the role of the gastric bolus. Browning J, et al. **Comp Biochem Physiol [A]** 1984; 78(1):63–5

Developmental expression of the rat somatostatin gene. Zingg HH, et al. **Endocrinology** 1984 Jul;115(1):90–4

Transient intense gastric fixation of 99mTc-MDP. Wynchank S, et al. **Eur J Nucl Med** 1983;8(10):458–60

Adenylate cyclase and H+ production of isolated rat parietal cells in response to glucagon and histamine. Schepp W, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):9–18

Antimuscarinic compounds and gastric kinetics: a study with pirenzepine on healthy subjects. Rinetti M, et al. **Int J Clin Pharmacol Res** 1984;4(2):145–8

A stomach hormone that inhibits food intake. Koopmans HS. **J Auton Nerv Syst** 1983 Oct;9(1):157–71

Three-dimensional distribution of vasoactive intestinal polypeptide-containing structures in the rat stomach and their origins using whole mount tissue. Inoue H, et al. **J Neural Transm** 1984;59(3):195–205

Tyrosine increases tissue dopamine concentration in the rat. Oishi T, et al. **J Neurochem** 1984 Mar;42(3):894–6

Drug interactions I: detection of inorganic nitrite in organic nitrate esters under acidic conditions simulating the human stomach. Boring S, et al. **J Pharm Sci** 1983 Sep;72(9):1064–8

Evaluation of potential causes for the incomplete bioavailability of furosemide: gastric first-pass metabolism. Lee MG, et al. **J Pharmacokinet Biopharm** 1983 Dec; 11(6):623–40

An in situ gastric pouch technique for direct measurement of the gastric absorption of drugs in the rat. Worland PJ, et al. **J Pharmacol Methods** 1983 Nov;10(3):215–21

Enteric-coated aspirin and the problem of gastric retention [letter] Baum J. **J Rheumatol** 1984 Apr;11(2):250–1

Effect of geranylgeranylacetone on aspirin-induced changes in gastric glycoproteins. Oketani K, et al. **Jpn J Pharmacol** 1983 Jun;33(3):593–601

Evidence for binding of metabolically activated 1,2-dibromoethane to chromatin of forestomach and liver. Banerjee S, et al. **Life Sci** 1983 Oct 31;33(18):1763–70

Catabolism of bombesin in the interstitial fluid of the rat stomach. Bunnett NW, et al. **Neuropeptides** 1983 Dec; 4(1):55–64

Fat digestion by lingual lipase: mechanism of lipolysis in the stomach and upper small intestine. Liao TH, et al. **Pediatr Res** 1984 May;18(5):402–9

Changes in thyrotropin-releasing hormone levels in alligator stomach during fasting. Bolaffi JL, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):311–4

Effect of ACTH 1–17 at different circadian stages on [3H]TdR incorporation into DNA. Scheving LE, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):507–18

Release of prostacyclin (PGI2) by the layers of corpus of rat stomach. Spławińska B, et al. **Prostaglandins** 1983 Jul; 26(1):139–50

Effect of cimetidine on human gastric and duodenal prostanoid synthesis. Branski D, et al. **Scand J Gastroenterol** 1984 Jun;19(4):457–60

Gastrointestinal absorption and metabolism of capsaicin and dihydrocapsaicin in rats. Kawada T, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):449–56

[What happens to the parietal cell following vagotomy?] Argov S, et al. **Harefuah** 1983 Mar 15;104(6):225–6 (Eng. Abstr.) **(Heb)**

[Effect of jaundice and cimetidine on electrolyte changes in the saline solution instilled into the stomach of rats under restraint] Ohashi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):979–86 (Eng. Abstr.) **(Jpn)**

[Demonstration of a hourly rhythm of protein synthesis in human stomach biopsies] Brodskiĭ VIa, et al. **Biull Eksp Biol Med** 1984 May;97(5):612–4 (Eng. Abstr.) **(Rus)**

[Catecholamine absorption by stomach tissues in normal conditions and in experimental ulcer] Virabian TL. **Farmakol Toksikol** 1983 Sep–Oct;46(5):28–32 (Eng. Abstr.) **(Rus)**

[Absorption of beryllium from the gastrointestinal tract of rats] Bugryshev PF, et al. **Gig Tr Prof Zabol** 1984 Jun; (6):52–3 **(Rus)**

MICROBIOLOGY

Baleen whales: preliminary evidence for forestomach microbial fermentation. Herwig RP, et al. **Appl Environ Microbiol** 1984 Feb;47(2):421–3

The effect of antisecretagogues on gastric microflora. Long J, et al. **Arch Surg** 1983 Dec;118(12):1413–5

Intestinal colonization of infant hamsters with Clostridium difficile. Rolfe RD, et al. **Infect Immun** 1983 Nov; 42(2):480–6

Spiral organisms in endoscopic biopsies of the human stomach [letter] Fricker CR, et al. **J Clin Pathol** 1984 Jun; 37(6):714–5

Spiral organisms in endoscopic biopsies of the human stomach. Rollason TP, et al. **J Clin Pathol** 1984 Jan; 37(1):23–6

Campylobacter-like organisms in the stomach of patients and healthy individuals [letter] **Lancet** 1984 Jun 16; 1(8390):1348–9

Gastric spiral bacteria [letter] **Lancet** 1984 Jul 14; 2(8394):100–1

New bacterium linked to painful stomach ills [news] Altman LK. **Med J Aust** 1984 Sep 29;141(7):455–6

Twice-daily cimetidine does not increase gastric bacterial flora. Bourne JT, et al. **Postgrad Med J** 1984 Jul; 60(705):464–6

Pernicious anaemia, intragastric bacterial overgrowth, and possible consequences. Stockbruegger RW, et al. **Scand J Gastroenterol** 1984 May;19(3):355–64

[Bacterial contamination of the stomach. Considerations on patients with duodenal ulcer treated with medical or surgical therapy] Cafiero F, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):129–34 (Eng. Abstr.) **(Ita)**

PARASITOLOGY

[Endoparasite infestation of the stomach and intestinal tract of feral rabbits from the Leipzig region] Haupt W, et al. **Angew Parasitol** 1984 May;25(2):65–71 (Eng. Abstr.) **(Ger)**

[Structure and nutritional characteristics of the female Simondsia paradoxa (Nematoda, Spirurata)—a gastric parasite of swine] Oshmarin PG, et al. **Parazitologiia** 1983 Nov–Dec;17(6):448–58 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Benign histiocytosis X of stomach. Previously undescribed lesion. Nihei K, et al. **Acta Pathol Jpn** 1983 May; 33(3):577–88

Stomal disruption in gastric partition in morbid obesity (comparison of radiographic and endoscopic diagnosis). Messmer JM, et al. **Am J Gastroenterol** 1984 Aug; 79(8):603–5

When is biopsy of the stomach ethical? [letter] Hugh TB. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):1006–7

Histology of the postoperative stomach before and after diversion of bile. Watt PC, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1410–2

Neonatal total gastrectomy. Quak SH, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):507–8

The effect of cigarette smoke exposure in European hamsters. Ketkar MB, et al. **Exp Pathol** 1984;25(2):103–6

Induction of forestomach hyperplasia by crude butylated hydroxyanisole, a mixture of 3-tert and 2-tert isomers, in Syrian golden hamsters is due to 3-tert-butylated hydroxyanisole. Ito N, et al. **Gann** 1984 Jun;75(6):471–4

Relationship between histology and gastric juice pH and nitrite in the stomach after operation for duodenal ulcer. Watt PC, et al. **Gut** 1984 Mar;25(3):246–52

[3H]thymidine autoradiographic and alkaline phosphatase histochemical studies of intestinal metaplasia of the human stomach. Hashimoto M, et al. **Histochem J** 1983 Oct; 15(10):953–9

Gastroduodenal Crohn's disease. Hoagland B, et al. **J Ky Med Assoc** 1984 May;82(5):224–7

Histiocytic lymphoma of the stomach (a case report). Deodhar SD, et al. **J Postgrad Med** 1983 Apr;29(2):116B, 117–9

The role of the biopsy in diagnosis of early gastric cancer. Itabashi M, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):253–70

Lesser curve necrosis following selective proximal vagotomy—a case report. Takaki A, et al. **Jpn J Surg** 1984 May;14(3):248–51

Distribution of lymphocyte subsets in human perigastric lymph nodes. Mori S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):89–99

Gastric and esophageal brush cytology. Lin BP, et al. **Pathology** 1983 Oct;15(4):393–7

Methylbromide: carcinogenic effects in the rat forestomach. Danse LH, et al. **Toxicol Appl Pharmacol** 1984 Feb; 72(2):262–71

[Follow-up gastrofiberscopy after subtotal gastrectomy in 131 cases] Liu XR. **Chung Hua Wai Ko Tsa Chih** 1983 Aug; 21(8):470–1 **(Chi)**

[Stomach wall necrosis following selective proximal vagotomy (editorial)] Largiadèr F. **Langenbecks Arch Chir** 1984;362(3):151–2 **(Ger)**

[Stomach wall necrosis following selective proximal vagotomy] Meissner K, et al. **Langenbecks Arch Chir** 1984; 362(3):153–65 (Eng. Abstr.) **(Ger)**

[Histochemical differential diagnosis of intestinal metaplasia of the stomach—new sialic acid stains] Meessen D, et al. **Leber Magen Darm** 1983 Jul;13(4):131–7 (Eng. Abstr.) **(Ger)**

[A case of advanced gastric cancer which disappeared histopathologically after short-time chemotherapy] Hara K, et al. **Gan No Rinsho** 1984 Apr;30(4):399–402 (Eng. Abstr.) **(Jpn)**

[Primary amyloidosis associated with early gastric carcinoma(IIb like IIa type) diagnosed by preoperative gastric biopsy--a case report] Hayashi I, et al. **Gan No Rinsho** 1983 Nov;29(14):1686–92 (Eng. Abstr.) **(Jpn)**

[Histopathological study on the vascular invasion in advanced gastric carcinomas] Shinkai K, et al. **Gan No Rinsho** 1984 Jun;30(7):791–8 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological study and surgical treatment of cancer of the greater curvature of the stomach] Yasuna O, et al. **Gan No Rinsho** 1984 May;30(5):473–80 (Eng. Abstr.) **(Jpn)**

[Atypical epithelium of the stomach, with special reference to the definition of group III] Moriyama M. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):759–62 **(Jpn)**

[Phlegmonous gastritis] Khodasevich LS, et al. **Arkh Patol** 1983;45(10):62–4 (Eng. Abstr.) **(Rus)**

[Effect of beta-endorphin on G-cells in rats with experimental duodenal ulcer] Zverkov IV, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):28–31 (Eng. Abstr.) **(Rus)**

[Perforation of a stomach ulcer in a newborn infant] Nuritdinov KhN. **Vestn Khir** 1983 Aug;131(8):77 **(Rus)**

PHYSIOLOGY

Continuous monitoring of gastric movements in rats subjected to restraint. Baltás B, et al. **Acta Chir Hung** 1984; 25(2):125–37

Chemically induced cardiovascular reflexes arising from the stomach of the cat. Longhurst JC, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H459–66

Effects of stimulation of nucleus ambiguus complex on gastroduodenal function. Pagani FD, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G253–62

Intrinsic emptying pattern of the human stomach. Smith JL, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R959–62

Contraction-related, low-frequency components in canine electrogastrographic signals. van der Schee EJ, et al. **Am J Physiol** 1983 Oct;245(4):G470–5

Irreversible and specific inactivation by AH 22216 of histamine H2 receptors in the human gastric cancer cell line HGT-1. Menez I, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):251–7

Changes in intragastric pressure on induction of anaesthesia. Drummond GB, et al. **Br J Anaesth** 1984 Aug;56(8):873–9

Gastric contents at induction of anaesthesia. Is a 4-hour fast necessary? Miller M, et al. **Br J Anaesth** 1983 Dec; 55(12):1185–8

Control of intragastric pH and volume. Morgan M. **Br J Anaesth** 1984 Jan;56(1):47–57 (108 ref.)

Gastric stimulation and secretion of mucus [letter] Ziment I. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1630

Modifications of gastric compliance in dogs related to changes of extracellular fluid volume: a possible physiological role. Capelo LR, et al. **Braz J Med Biol Res** 1983 Apr;16(1):73–6

A possible explanation for effects of Sr2+ on contraction-relaxation cycle in canine stomach. Yasuda N, et al. **Comp Biochem Physiol [A]** 1984;78(1):35–41

Effects of gastric filling and vagotomy on ingestion, nipple attachment, and weight gain by suckling rats. Lorenz DN. **Dev Psychobiol** 1983 Nov;16(6):469–83

Availability of amino acids in monogastric animals. Variations of digestive origin. Darcy B. **Diabete Metab** 1984 May;10(2):121–33

Gastric influences on canine small intestinal myoelectric activity. Heppell J, et al. **Dig Dis Sci** 1984 Sep;29(9):849–52

The physiology and pathophysiology of gastric emptying in humans. Minami H, et al. **Gastroenterology** 1984 Jun; 86(6):1592–610 (182 ref.)

Modulation of lateral hypothalamic single unit activity by gastric and intestinal distension. Jeanningros R. **J Auton Nerv Syst** 1984 Jul;11(1):1–11

Role of endogenous secretin in acid-induced inhibition of human gastric function. Kleibeuker JH, et al. **J Clin Invest** 1984 Feb;73(2):526–32

Intestinal osmoregulation of single component meals in neonatal piglets. Wolf SA, et al. **J Pediatr Surg** 1983 Dec; 18(6):757–61

Interactions between splanchnic and vagus nerves in the control of mean intragastric pressure in the ferret. Andrews PL, et al. **J Physiol (Lond)** 1984 Jun;351:473–90

Electromyographic events in the stomach and small intestine of a small kangaroo, the Tammar wallaby (Macropus eugenii). Richardson KC, et al. **J Physiol (Lond)** 1983 Sep; 342:453–63

Chronic oesophageal fistulation for studying oropharyngeal and gastric influences on ingestive behaviour in the pigeon. Normile HJ, et al. **Lab Anim** 1983 Jul;17(3):217–20

The effect of leukotriene D4 on the isolated stomach and colon of the rat. Goldenberg MM, et al. **Life Sci** 1983 Nov 21;33(21):2121–7

Dietary control and the stomach. Deutsch JA. **Prog Neurobiol** 1983;20(3–4):313–32

Gastric function before and after gastric sympathectomy and subsequent truncal vagotomy. Hollinshead J, et al. **Scand J Gastroenterol [Suppl]** 1984;89:105–12

Interrelation of nerves and hormones in stomach and pancreas. Holst JJ, et al. **Scand J Gastroenterol [Suppl]** 1983; 82:85–99 (65 ref.)

Adrenergic influence on pentagastrin and bethanechol stimulated gastric acid secretion in dogs with gastric fistula. Hovendal C, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:19–22

Adrenergic influence on gastric mucosal blood flow in gastric fistula dogs. Hovendal CP, et al. **Scand J Gastroenterol [Suppl]** 1984;89:41–4

Electrical activity of the stomach: nervous control. Papasova M, et al. **Scand J Gastroenterol [Suppl]** 1984;96:45–53

Bile diversion from the duodenum: its effect on gastric and pancreatic function. Rhodes J, et al. **Scand J Gastroenterol [Suppl]** 1984;92:221–3

Gastric relaxation induced by peri-arterial (sympathetic?) electrical stimulation in vitro. Schuurkes JA, et al. **Scand J Gastroenterol [Suppl]** 1984;89:49–53

Gastric mucosa permeability and HCO3- secretion 'in vivo' during perfusion of damaging and protective agents across canine Heidenhain pouches. Ventura U, et al. **Scand J Gastroenterol [Suppl]** 1984;92:55–8

Circadian rhythm of electrical activity and motility of the stomach in cats and their relation to sleep--wakefulness stages. Fujitani Y, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):275–86

[Secretion of pancreatic polypeptide in cats in response to different stimuli; correlation with gastric acid secretion] Rigaud D, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep; 7(8–9):677–82 (Eng. Abstr.) **(Fre)**

[Pancreatic hemodynamics in conscious dogs. 3. Pancreatic blood flow under gastric and intestinal stimulation] Kawano T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct;80(10):2240–8 (Eng. Abstr.) **(Jpn)**

[Effect of the kallikrein-kinin system on gastric function] Vovchuk SV, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):609–15 (48 ref.) **(Rus)**

[Motor and evacuatory functions of the human stomach during antiorthostatic hypokinesia] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):34–8 (Eng. Abstr.) **(Rus)**

[Interference resistance in electrogastrography] Prityko AP. **Med Tekh** 1984 Mar–Apr;(2):29–34 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pressure activity patterns in the canine proximal stomach: response to distension. Azpiroz F, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G265–72

Effect of antacids on intragastric pH in healthy subjects and duodenal ulcer patients. Influence of the size of the antacid dose and of anticholinergics. Uusitalo A, et al. **Clin Physiol** 1983 Dec;3(6):503–11

Failure to demonstrate altered gastric emptying in irritable bowel syndrome. Acharya U, et al. **Dig Dis Sci** 1983 Oct; 28(10):889–92

Changes with hypertension and maturation in the response of stomach fundus to acetylcholine. Seidel CL, et al. **Experientia** 1984 Jul 15;40(7):691–2

Action of omeprazole (a benzimidazole derivative) on secretory responses to sham feeding and pentagastrin and upon serum gastrin and pancreatic polypeptide in duodenal ulcer patients. Konturek SJ, et al. **Gut** 1984 Jan;25(1):14–8

Gastric functions in chronic uraemia and effects of dialysis. Garg AK, et al. **Indian J Gastroenterol** 1984 Apr;3(2):73–5

Gastric function and obesity: gastric emptying, gastric acid secretion, and plasma pepsinogen. Sasaki H, et al. **Int J Obes** 1984;8(2):183–90

Phenol red as volume marker in rat stomach with mucosal damage. Alich AA, et al. **J Pharmacol Methods** 1984 Jul; 11(4):299–303

A long-term study of experimental duodenogastric reflux on the vagotomized stomach in dogs. Mosimann F, et al. **Scand J Gastroenterol [Suppl]** 1984;92:136–7

The relationship between the compensatory response in the stomach and colon and the extent of small bowel resection in the rat. Sharp JG, et al. **Virchows Arch [Cell Pathol]** 1983;44(3):295–304

[The relationship between gastric cold, hot symptom and intragastric temperature] Xu ZC. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):351–2 **(Chi)**

[Venous and intragastral pressure measurements in surgical correction of abdominal wall defects] Rothe K, et al. **Z Kinderchir** 1984 Feb;39(1):15–8 (Eng. Abstr.) **(Ger)**

[The place and role of prostaglandins in the physiopathology of the stomach] Andreica V. **Rev Med Interna [Med Interna]** 1983 Sep–Oct;35(5):411–20 (Eng. Abstr.) **(Rum)**

[Serum gastrin and regulation of upper gastrointestinal function in children with esophagitis] Zernov NG, et al. **Pediatriia** 1983 Aug;(8):15–7 (Eng. Abstr.) **(Rus)**

[Changes in the functional and morphological state of the stomach and duodenum in patients following partial and complete removal of the pancreas] Shalimov AA, et al. **Ter Arkh** 1984;56(2):100–2 (Eng. Abstr.) **(Rus)**

[Contractile function of the stomach and its mucosa in acute appendicitis patients] Silaev IuS, et al. **Vestn Khir** 1984 Jul; 132(7):66–8 **(Rus)**

[Clinico-functional and morphological characteristics of the stomach and duodenum of patients after pancreatic resection] Fedishin PS, et al. **Vrach Delo** 1984 Jul;(7):7–10 **(Rus)**

[Indicators of electrogastrointestinography in patients with gastroduodenal diseases] Lukash NV, et al. **Vrach Delo** 1984 Jun;(6):74–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Altered gastric emptying and prevention of radiation-induced vomiting in dogs. Dubois A, et al. **Gastroenterology** 1984 Mar;86(3):444–8

RADIOGRAPHY

A simplified method for imaging the anterior gastroduodenal wall by double-contrast study. Maglinte DD, et al. **AJR** 1983 Nov;141(5):971–2

Pneumogastrography in the diagnosis of perforated peptic ulcer. Maull KI, et al. **Am J Surg** 1984 Sep;148(3):340–5

Double-contrast examination. Part I: Oesophagus, stomach and duodenum. Trenkner SW, et al. **Clin Gastroenterol** 1984 Jan;13(1):41–73 (69 ref.)

Gastric emptying of solid radiopaque markers: studies in healthy subjects and diabetic patients. Feldman M, et al. **Gastroenterology** 1984 Oct;87(4):895–902

Radiologic assessment of the distal stomach and duodenum after gastric bypass: percutaneous CT-guided transcatheter technique. Barmeir EP, et al. **Gastrointest Radiol** 1984; 9(3):203–5

Opportunistic gastritis in graft-versus-host disease. Hochhauser L, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):316–8

Computed tomographic evaluation of the excluded stomach in gastric bypass. Zingas AP, et al. **J Comput Tomogr** 1984 Jul;8(3):231–6

Gastrohepatic ligament: normal and pathologic CT anatomy. Balfe DM, et al. **Radiology** 1984 Feb;150(2):485–90

Angelchik anti-reflux device: radiographic appearance of complications. Curtis DJ, et al. **Radiology** 1984 May; 151(2):311–3

Pouch volume, stoma diameter, and clinical outcome after gastroplasty for morbid obesity. A prospective study. Andersen T, et al. **Scand J Gastroenterol** 1984 Jul; 19(5):643–9

Arteriography with simultaneous gastric distention to detect insulin-secreting tumors of the pancreas. Aldrete JS, et al. **South Med J** 1983 Dec;76(12):1524–9

[Criteria for radiographic examination of the stomach. A prospective trial of 4 criteria] Bekker C, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3995–7 (Eng. Abstr.) **(Dan)**

[Roentgen morphology after vagotomy] Beeger R, et al. **Rontgenblatter** 1983 Dec;36(12):403–6 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of saddle-like formations in the gastric fundus] Hohenberg G, et al. **Rontgenblatter** 1984 Jan; 37(1):16–20 (Eng. Abstr.) **(Ger)**

[Double-contrast study of the operated stomach in glucagon hypotonia] Kovács K, et al. **Rontgenblatter** 1983 Nov; 36(11):374–8 (Eng. Abstr.) **(Ger)**

[Improved identification of details in double-contrast studies of the stomach using a new mixture of contrast media] Tenner R. **Rontgenblatter** 1984 Jan;37(1):13–5 (Eng. Abstr.) **(Ger)**

[Initial experiences with a high-density contrast medium for the roentgenologic study of the stomach] Otto H, et al. **Rontgenpraxis** 1984 May;37(5):171–7 **(Ger)**

[Diagnostic potentials of a single-stage double contrast study of the stomach and duodenum in stenoses of the pyloroduodenal region of ulcerous etiology] Volnianskii VV, et al. **Sov Med** 1984;(6):81–3 **(Rus)**

[Acute barium poisoning after roentgenoscopy of the stomach] Savostin GA. **Sud Med Ekspert** 1984 Apr–Jun; 27(2):52–3 **(Rus)**

[Gastrotrast--a radiocontrast medium for emergency x-ray examinations of the esophagus, stomach and duodenum] Lopatin PV, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct; (5):17–20 (Eng. Abstr.) **(Rus)**

[Radiographic picture of the stomach in patients with chronic pancreatitis and malignant pancreatic tumor] Rakhu PA. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):42–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Splenic 'draping': clarification by gastric and splenic scintigraphy. Nov AA, et al. **AJR** 1984 Feb;142(2):323–4

Gastric air contrast: useful adjunct to hepatic artery scintigraphy. Wahl RL, et al. **AJR** 1984 Aug;143(2):321–5

Alterations in gastrointestinal emptying of 99m-technetium-labeled solids following sequential antrectomy, truncal vagotomy and Roux-Y gastroenterostomy. Vogel SB, et al. **Ann Surg** 1983 Oct; 198(4):506–15

The relationship between technetium 99m pertechnetate gastric scanning and gastric contents. O'Connor MK, et al. **Br J Radiol** 1983 Nov;56(671):817–22

The role of kidney uptake of Tc-99m pertechnetate during quantitation of gastric scintigraphy. Wasserman HJ, et al. **Clin Nucl Med** 1984 Jul;9(7):400–1

Gastric gallium-67 uptake in gastritis. Yeh EL, et al. **Clin Nucl Med** 1983 Dec;8(12):605–7

Gallium-67 uptake in non-malignant stomach. Yeh EL. **Eur J Nucl Med** 1984;9(4):193–5

Gastric emptying in normal subjects--a reproducible technique using a single scintillation camera and computer

system. Collins PJ, et al. **Gut** 1983 Dec;24(12):1117–25
Comparison of Tc-99m labeled liver and liver paté as markers for solid-phase gastric emptying. Christian PE, et al. **J Nucl Med** 1984 Mar;25(3):364–6
Radionuclide measurement of normal and disturbed gastric motility. Akkermans LM, et al. **Scand J Gastroenterol [Suppl]** 1984;96:19–26 (23 ref.)
[Gastrocintigraphy in the evaluation of gastric emptying in patients with duodenal ulcer before and after surgical treatment] Uskov IA, et al. **Med Radiol (Mosk)** 1984 Jul; 29(7):14–20 (Eng. Abstr.) **(Rus)**

SURGERY

Sutures inserted into the gastric wall an experimental study. Bornemisza G, et al. **Acta Chir Hung** 1983;24(1):9–16
Mechanical capacity of esophagogastric anastomosis at early postoperative stage. Csikos M, et al. **Acta Chir Hung** 1983; 24(2):105–14
Initial (1-year) weight loss after gastric banding, gastroplasty or gastric bypass. Backman L, et al. **Acta Chir Scand** 1984; 150(1):63–7
Pneumopyopericardium. Stridbeck H, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):305–8
Prospective metabolic evaluation of 150 consecutive patients who underwent gastric exclusion. Amaral JF, et al. **Am J Surg** 1984 Apr;147(4):468–76
Perioperative complications of gastric restrictive operations. Buckwalter JA, et al. **Am J Surg** 1983 Nov;146(5):613–8
Simplified portoazygous disconnection (Tanner's operation) combined with operative sclerotherapy for bleeding varices. Chung RS, et al. **Am J Surg** 1984 Sep;148(3):389–92
Prospective, randomized trial of selective proximal vagotomy with ulcer excision and partial gastrectomy with gastroduodenostomy in the treatment of corporeal gastric ulcer. Emås S, et al. **Am J Surg** 1983 Nov;146(5):631–4
Stapled esophagogastric anastomosis. Hopkins RA, et al. **Am J Surg** 1984 Feb;147(2):283–7 (18 ref.)
Maintenance of nutritional competence after gastric partitioning for morbid obesity. Millikan WJ Jr, et al. **Am J Surg** 1983 Nov;146(5):619–25
Failed gastroplasty for morbid obesity. Revised gastroplasty versus Roux-Y gastric bypass. Sugerman HJ, et al. **Am J Surg** 1984 Sep;148(3):331–6
Complications and weight loss in 150 consecutive gastric exclusion patients. Critical review. Thompson WR, et al. **Am J Surg** 1983 Nov;146(5):602–12
Gastric bypass. Griffen WO Jr. **Am Surg** 1984 Sep; 50(9):496–501
Treatment of jejunoileal bypass failure by reanastomosis and gastroplasty in a single-stage procedure. Review of 47 cases. Hanni CL, et al. **Am Surg** 1984 Jul;50(7):354–7
Horizontal gastroplasty. A safe, effective alternative to gastric bypass in the surgical management of morbid obesity. Jones KB Jr. **Am Surg** 1984 Mar;50(3):128–31
The role of cimetidine in promoting infection after gastric surgery: primary or secondary effect? [editorial] Polk HC Jr, et al. **Ann Chir Gynaecol** 1983;72(6):289
'Posterior padding' of the esophageal gastric junction in the region of the lower esophageal sphincter [letter] Braslow L. **Ann Surg** 1983 Nov;198(5):669–70
Remedial surgery following failed gastroplasty for morbid obesity. Eckhauser FE, et al. **Ann Surg** 1983 Nov; 198(5):585–91
Retrosternal gastric bypass for inoperable esophageal cancer: a report of 71 patients. Conlan AA, et al. **Ann Thorac Surg** 1983 Oct;36(4):396–401
Selective application of fundoplication in achalasia. Murray GF, et al. **Ann Thorac Surg** 1984 Mar;37(3):185–8
Myotomy and achalasia [editorial] Skinner DB. **Ann Thorac Surg** 1984 Mar;37(3):183–4
Vocal rehabilitation by tracheogastric shunt method after pharyngolaryngoesophagectomy for malignancy. Saito H, et al. **Arch Otorhinolaryngol** 1984;240(1):35–41
Gastrojejunal disruptions. Changing concepts in management. Kirkpatrick JR, et al. **Arch Surg** 1984 Jun; 119(6):659–63
Obstructive sleep apnea in the morbidly obese. An indication for gastric bypass. Victor DW Jr, et al. **Arch Surg** 1984 Aug;119(8):970–2
Endoscopic dilation of late stomal stenosis. Its use following gastric surgery for morbid obesity. Wolper JC, et al. **Arch Surg** 1984 Jul;119(7):836–7
The Graham Coupland lecture. Gastric surgery in the 1980s. Kennedy T. **Aust NZ J Surg** 1984 Apr;54(2):95–100 (27 ref.)
Gastric emptying after gastroplasty for morbid obesity. Horowitz M, et al. **Br J Surg** 1984 Jun;71(6):435–7
The thoracic stomach: a study of gastric emptying, bile reflux and mucosal change. Mannell A, et al. **Br J Surg** 1984 Jun;71(6):438–41
Randomized prospective trial of Roux-en-Y duodenal diversion versus fundoplication for severe reflux oesophagitis. Washer GF, et al. **Br J Surg** 1984 Mar; 71(3):181–4
Cancer of the stomach after gastric surgery [letter] Davaris P, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):763
Does metabolic bone disease follow truncal vagotomy and gastrojejunostomy? Irving AD, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1516
Changes in gastric mucosa after vagotomy and gastrojejunostomy for duodenal ulcer. Watt PC, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1407–10
First Canadian Symposium on the Surgical Treatment of Morbid Obesity: Part II. **Can J Surg** 1984 May;27(3):227–38
Dietary management of morbidly obese patients who undergo gastroplasty. Brazeau P. **Can J Surg** 1984 Mar;27(2):132
Wernicke's encephalopathy after gastric partitioning for morbid obesity. Fawcett S, et al. **Can J Surg** 1984 Mar; 27(2):169–70
Incarceration of gastric fundus in a paraesophageal hernia after gastroplasty. Salmon PA, et al. **Can J Surg** 1983 Sep; 26(5):454–5
Radiologic evaluation of gastroplasty leaks. Seppala RE. **Can J Surg** 1984 Mar;27(2):130
'Pink urine' in morbidly obese patients following gastric partitioning. Deitel M, et al. **Can Med Assoc J** 1984 Apr 15;130(8):1007–11
Severe peripheral neuropathy following gastric bypass surgery for morbid obesity. Maryniak O. **Can Med Assoc J** 1984 Jul 15;131(2):119–20
Cholelithiasis after gastric partitioning. Beaver B, et al. **Curr Surg** 1984 May-Jun;41(3):187–9
Gastric banding: a new method in the treatment of morbid obesity. Solhaug JH. **Curr Surg** 1983 Nov-Dec;40(6):424–8
Healing of incisional wounds in the stomach and duodenum. An experimental study. Gottrup F. **Dan Med Bull** 1984 Feb;31(1):32–48
Risk of stomach cancer after gastric surgery for benign conditions. A case-control study. Sandler RS, et al. **Dig Dis Sci** 1984 Aug;29(8):703–8
The influence of gastro-jejunal anastomosis on gastric carcinogenesis in rats. Kondo K, et al. **Gann** 1984 Apr; 75(4):362–9
Alcoholiclike hyalin after gastroplasty for morbid obesity [letter] Braillon A, et al. **Gastroenterology** 1984 May;86(5 Pt 1):1004–5
The nonoperative widening of obstructed gastroplasties with a papillotome. Goff JS. **Gastrointest Endosc** 1984 Feb; 30(1):32–4
Diurnal GIP, PP and insulin levels in morbid obesity before and after stapled gastric partitioning with gastro-gastrostomy. Amland PF, et al. **Int J Obes** 1984; 8(2):117–22
Gastric banding, a surgical method of treating morbid obesity: preliminary report. Bo O, et al. **Int J Obes** 1983; 7(5):493–9
Weight reduction after gastroplasty: the predictive value of surgical, metabolic, and psychological variables. Olsson SA, et al. **Int J Obes** 1984;8(3):245–58
Medical and surgical management of gastric obstruction from a hairball in the rabbit. Gillett NA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1176–8
Prospective randomized trial of single dose cefuroxime against mezlocillin in elective gastric surgery. Morris DL, et al. **J Hosp Infect** 1984 Jun;5(2):200–4
Gastric transposition via the mediastinal route for infants with long-gap esophageal atresia. Spitz L. **J Pediatr Surg** 1984 Apr;19(2):149–54
Behavioural changes following gastric surgery for morbid obesity: a prospective, controlled study. Bull RH, et al. **J Psychosom Res** 1983;27(6):457–67
Gastric pull-up for cancers of the hypopharynx and cervical esophagus: our experience. Pradhan SA, et al. **J Surg Oncol** 1984 Jun;26(2):149–52
Healing of experimental defects on the stomach: influence of autologous and heterologous materials. Ratto GB, et al. **J Surg Res** 1984 Jan;36(1):35–49
Diagnostic and therapeutic technology assessment. Gastric restrictive surgery for morbid obesity. **JAMA** 1984 Jun 8; 251(22):3011
Gastroplasty and diet in morbid obesity [letter] **N Engl J Med** 1984 Jun 28;310(26):1742–4
Randomized trial of diet and gastroplasty compared with diet alone in morbid obesity. Andersen T, et al. **N Engl J Med** 1984 Feb 9;310(6):352–6
Gastric bariatric surgery at North Carolina Memorial Hospital: factors essential for good results. Herbst CA Jr, et al. **NC Med J** 1984 Apr;45(4):222–3
Surgery for morbid obesity. Appraisal of old and new techniques. Symmonds RE Jr. **Postgrad Med** 1983 Nov; 74(5):183–90
Mason's vertical banded gastroplasty for morbid obesity. Surgical procedure and radiographic evaluation. Agha FP, et al. **Radiology** 1984 Mar;150(3):825–7
Retrosternal gastric bypass for the palliative treatment of unresectable oesophageal carcinoma. A simple technique. Angorn IB, et al. **S Afr Med J** 1983 Nov 26;64(23):901–4
Plasma secretin before and after gastroplasty for morbid obesity. Miskowiak J, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):363–5
Serum gastrin and blood glucose levels in gastroplasty for morbid obesity. Miskowiak J, et al. **Scand J Gastroenterol** 1984 Jul;19(5):669–72
The operated stomach: a premalignant condition? A prospective endoscopic follow-up study. Offerhaus GJ, et al. **Scand J Gastroenterol** 1984 Jun;19(4):521–4
The cancer risk in the stomach subjected to nonresecting procedures. An experimental long-term study. Langhans P, et al. **Scand J Gastroenterol [Suppl]** 1984;92:138–41
Vertical staple gastroplasty: experience with 100 patients. Shamblin JR, et al. **South Med J** 1984 Jan;77(1):33–7
Gastric bypass: Roux-en-Y gastrojejunostomy from the lesser curvature. Torres JC, et al. **South Med J** 1983 Oct; 76(10):1217–21
Stapling in gastroesophageal surgery. Griffen WO Jr. **Surg Clin North Am** 1984 Jun;64(3):529–42
Complications of gastric restrictive operations in morbidly obese patients. Martin EW Jr, et al. **Surg Clin North Am** 1983 Dec;63(6):1181–90
Controlling the size of the gastrojejunostomy stoma in gastric bypass operations. Flanagan L Jr. **Surg Gynecol Obstet** 1983 Oct;157(4):377
Posterior truncal vagotomy and anterior curve superficial seromyotomy as an alternative for the surgical management of chronic ulcer of the duodenum. Lygidakis NJ. **Surg Gynecol Obstet** 1984 Mar;158(3):251–4
A randomized trial of gastric decompression after truncal vagotomy and anterior pylorectomy. Sitges-Serra A, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):557–60
Psychologic assessment of morbidly obese patients undergoing gastric bypass: a comparison of preoperative and postoperative adjustment. Gentry K, et al. **Surgery** 1984 Feb;95(2):215–20
Gastric bariatric operation in insulin-treated adults. Herbst CA, et al. **Surgery** 1984 Feb;95(2):209–14
Weight loss and metabolic changes of morbidly obese patients after gastric partitioning operation. Tsoi CM, et al. **Surgery** 1984 Sep;96(3):545–9
Basal and exercise tests on morbidly obese patients before and after gastric bypass. Zavala DC, et al. **Surgery** 1984 Feb;95(2):221–9
A modified Pearson gastroplasty. Reilly KM, et al. **Thorax** 1984 Jan;39(1):67–9
Epidural administration of morphine postoperatively for morbidly obese patients. Brodsky JB, et al. **West J Med** 1984 May;140(5):750–3
[Experimental study on the deleterious effect of silk suture in gastrointestinal anastomosis] Chen YY. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):84–6 (Eng. Abstr.) **(Chi)**
[Gastrojejunal anastomotic ulcer] Yao YX. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):468–9 **(Chi)**
[Reconstruction of the thoracic esophagus with a rotated tubular stomach flap] Papadimitriou J. **Rozhl Chir** 1984 May;63(5):349–52 (Eng. Abstr.) **(Cze)**
[Gastric stapling as a method of obesity surgery. A comparison between 3 types of operation] Christoffersen I, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1032–6 (Eng. Abstr.) **(Dan)**
[How to restore the peritoneum to the lesser curvature of the stomach after supraselective vagotomy? (letter)] Hollender LF, et al. **J Chir (Paris)** 1983 Oct;120(10):569 **(Fre)**
[Should preventive antibiotics be prescribed in surgery of the appendix, biliary tract, stomach and duodenum?] Molkhou JM, et al. **J Chir (Paris)** 1983 Dec;120(12):721–8 (37 ref.) (Eng. Abstr.) **(Fre)**
[Acute monoarthritis after gastro-jejunal bypass for obesity (letter)] Glowinski J, et al. **Presse Med** 1983 Dec 24; 12(47):3001–2 **(Fre)**
[Leak-proof intrathoracic esophagogastric anastomosis] Noirclerc M, et al. **Presse Med** 1983 Dec 17;12(46):2943–5 (Eng. Abstr.) **(Fre)**
[Morbid obesity: current status of surgical approach] Wahlen C, et al. **Rev Med Liege** 1984 Jan 15;39(2):68–73 **(Fre)**
[Carcinoma in the operated stomach of the rat—a tumor model] Dittrich S, et al. **Arch Geschwulstforsch** 1984; 54(1):33–40 (Eng. Abstr.) **(Ger)**
[Initial experiences with stomach replacement-plasty in esophageal cancer without thoracotomy] Geel C, et al. **Helv Chir Acta** 1984 Apr;51(1):17–20 (Eng. Abstr.) **(Ger)**
[Indications and results of gastric bypass in the treatment of extreme obesity] Dinstl K, et al. **Wien Klin Wochenschr** 1984 Mar 30;96(7):259–64 (Eng. Abstr.) **(Ger)**
[Gastric surgery in the aged] Effenberger T, et al. **Zentralbl Chir** 1984;109(5):338–46 (Eng. Abstr.) **(Ger)**
[The stomach as replacement of the esophagus in esophageal cancer] Kunath U. **Zentralbl Chir** 1984;109(13):859–63 (Eng. Abstr.) **(Ger)**
[The Tomoda reconstruction after total gastrectomy: clinical study] Di Felice G, et al. **Ann Ital Chir** 1983;55(6):525–36 **(Ita)**
[Surgical therapy of severe obesity: gastric by-pass] Morino F, et al. **Minerva Chir** 1983 Oct 31;38(20):1669–72 **(Ita)**
[Surgical therapy of obesity. Considerations on the indications] Morino M, et al. **Minerva Chir** 1984 May 15; 39(9):769–73 (Eng. Abstr.) **(Ita)**
[Pseudopyloric function of the gastroduodenal anastomosis following a Billroth I operation. Antireflux competence studied using the Tc 99m HIDA radioisotope method] Pescio G, et al. **Minerva Chir** 1984 Mar 31;39(6):387–90 (Eng. Abstr.) **(Ita)**
[Morpho-functional aspects of the Billroth II operation studied using the Tc 99m HIDA radioisotope method] Pescio G, et al. **Minerva Chir** 1984 Mar 31;39(6):383–6 (Eng. Abstr.) **(Ita)**
[Gastric banding. A method for surgical treatment of obesity] Bø O, et al. **Tidsskr Nor Laegeforen** 1984 Mar 20; 104(8):591–4 (Eng. Abstr.) **(Nor)**
[Effect of the ligation of the vascular pedicle elements of the jejunal loop inserted between the stomach and the duodenum in the dog] Salomão Paulo DN, et al. **AMB** 1983 Jan-Feb;29(1-2):13–7 (Eng. Abstr.) **(Por)**

[Intrapleural esophagoplasty using a gastric tube] Chernousov AF, et al. **Grudn Khir** 1984 Jan–Feb;(1):63–6 (Eng. Abstr.) **(Rus)**

[Gastric resection in a pregnant woman for the treatment of a bleeding reticulosarcoma] Muginov MA, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):116–7 **(Rus)**

[Devascularization of the stomach and its consequences] Khokholia VP. **Klin Khir** 1983 Jul;(8):72–6 (48 ref.) **(Rus)**

[Repeat operations on the stomach and duodenum] Sidorenko VD. **Klin Khir** 1984 Jun;(6):53–4 **(Rus)**

[Elaboration of a method of experimental long-term drainage of the gastrointestinal tract] Kasatkin VF, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):85–6 **(Rus)**

[Motor–evacuatory function of the stomach before and after surgery for duodenal ulcer] Nurmukhamedov RM, et al. **Sov Med** 1984;(2):53–7 (Eng. Abstr.) **(Rus)**

[A method of gastric resection] Gorbashko AI, et al. **Vestn Khir** 1983 Sep;131(9):27–32 (Eng. Abstr.) **(Rus)**

[New method of transposing the gastric stump after pancreaticoduodenal resection] Onopriev VI, et al. **Vestn Khir** 1984 Apr;132(4):126–9 **(Rus)**

[Extraperitonization of esophago–gastric and esophago–intestinal anastomoses] Rusakov VI, et al. **Vestn Khir** 1984 Apr;132(4):125–6 **(Rus)**

[Level of gastrin in the blood of patients with duodenal ulcers before and after organ–sparing surgery] Shvarts VIa. **Vrach Delo** 1984 May;(5):21–3 (Eng. Abstr.) **(Rus)**

[Esophagogastric anastomosis as an alternative in the treatment of achalasia of the esophagus (report of 6 patients)] Zárate Aguilar A, et al. **Rev Gastroenterol Mex** 1983 Apr–Jun;48(2):77–81 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Gastric transposition in head and neck surgery. Indications, complications, and expectations. Spiro RH, et al. **Am J Surg** 1983 Oct;146(4):483–7

[Reconstructive surgery with digestive system transplants in pharyngolaryngo–esophageal cancerology. Apropos of 18 cases] Van den Eeckhaut J, et al. **Acta Otorhinolaryngol Belg** 1984;38(1):84–96 **(Fre)**

[Radical removal of pharyngo–esophageal cancer and immediate reconstruction of the digestive tract with the stomach] Paletto AE, et al. **Minerva Chir** 1983 Nov 30; 38(22):1867–73 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Ultrastructure and morphometry of the stomach muscle of Amphiuma tridactylum. Heidlage JF, et al. **Cell Tissue Res** 1984;236(2):393–7

The intracellular location of cryptosporidia [letter] Perrone TL, et al. **Hum Pathol** 1983 Dec;14(12):1092–3

Collection and orientation of gastric and intestinal biopsies for combined light and electron microscopy. Stephenson PM, et al. **Med Lab Sci** 1983 Oct;40(4):395–6

[Electron microscopic examination of skin, stomach and rectum biopsies in adult fucosidosis] Ikeda S, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):358–66 (Eng. Abstr.) **(Jpn)**

STOMACH DILATATION

CHEMICALLY INDUCED

Acute gastric dilatation after endoscopic injection sclerotherapy [letter] Sabanathan K, et al. **Lancet** 1984 Jun 2;1(8388):1240–1

DIAGNOSIS

[Acute dilatation of the stomach (a review of the literature)] Ponomarev AA. **Vrach Delo** 1983 Nov;(11):50–5 **(Rus)**

ETIOLOGY

[Gastric dilatation without mechanical obstruction] Shimoni Z, et al. **Harefuah** 1983 Feb 15;104(4):144–5 (Eng. Abstr.) **(Heb)**

PHYSIOPATHOLOGY

Pressure activity patterns in the canine proximal stomach: response to distension. Azpiroz F, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G265–72

VETERINARY

Hemodynamics during experimental gastric dilatation–volvulus in dogs. Orton EC, et al. **Am J Vet Res** 1983 Aug;44(8):1512–5

Isovolumetric indices and humoral cardioactive substance bioassay during clinical and experimentally induced gastric dilatation–volvulus in dogs. Orton EC, et al. **Am J Vet Res** 1983 Aug;44(8):1516–20

Plasma gastrin immunoreactivity in dogs with acute gastric dilatation–volvulus. Leib MS, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):205–8

Abomasal displacement and tympany in a nine–week–old calf. Dennis R. **Vet Rec** 1984 Mar 3;114(9):218–9

STOMACH DISEASES

BLOOD

[Basal levels of gastrin in the blood in diseases of the stomach and duodenum] Kanishchev PA, et al. **Vrach Delo** 1984 May;(5):23–6 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Comparative studies of the effects of some antimuscarinic agents on gastric damage and pupillary reflex in the rat. Daniotti S, et al. **Br J Pharmacol** 1984 Jun;82(2):305–7

[Aspirin and gastroduodenal toxicity. A double–blind endoscopic study of the effects of placebo, aspirin and lysine acetylsalicylate in healthy subjects] Bretagne JF, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):28–32 (Eng. Abstr.) **(Fre)**

[Drug–induced pathology of the upper gastrointestinal tract] Briglia R, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):125–7 (Eng. Abstr.) **(Ita)**

[Drug–induced lesions of the stomach and duodenum] Petrovskiĭ VS, et al. **Sov Med** 1984;(3):112–3 **(Rus)**

COMPLICATIONS

Diabetic gastroparesis. Case report and review of the literature. Mulhall BP, et al. **Anaesthesia** 1984 May; 39(5):468–9

Plasma cell granuloma of the stomach. A report of a case associated with gastric cancer. Tada T, et al. **Cancer** 1984 Aug 1;54(3):541–4

[Calcifying mucinous adenocarcinoma of the stomach—case report] Hoshiyama N, et al. **Gan No Rinsho** 1984 May; 30(5):529–38 (Eng. Abstr.) **(Jpn)**

[Case of gastrin–producing carcinoid, adenocarcinoma and xanthoma of the stomach] Kanabe S, et al. **Gan No Rinsho** 1983 Oct;29(12):1466–70 (Eng. Abstr.) **(Jpn)**

[Gastric torsion coexisting with duodenal ulcer] Drabek A, et al. **Pol Tyg Lek** 1983 Mar 21;38(12):371–2 (Eng. Abstr.) **(Pol)**

[Acute gastric ulcers complicated by hemorrhage and gastromalacia] Kholiavko VK, et al. **Klin Khir** 1984 Apr; (4):48–9 **(Rus)**

[Choice of a method of surgery in duodenal ulcer associated with cardial insufficiency] Manevich LV, et al. **Klin Khir** 1983 Jul;(8):8–11 (Eng. Abstr.) **(Rus)**

[Multiple diseases of the distal esophagus and stomach] Moravec R, et al. **Bratisl Lek Listy** 1984 Mar;81(3):367–75 (Eng. Abstr.) **(Slo)**

CONGENITAL

[Congenital cyst of the stomach] Gardovskis IaL. **Vestn Khir** 1984 Mar;132(3):104–5 **(Rus)**

DIAGNOSIS

Primary gastric actinomycosis: a case report and review of the literature. Van Olmen G, et al. **Am J Gastroenterol** 1984 Jul;79(7):512–6

Gastric pseudolymphoma. A challenging clinical problem. Orr RK, et al. **Ann Surg** 1984 Aug;200(2):185–94

Laparotomy for intra–abdominal sepsis in patients in an intensive care unit. Sinanan M, et al. **Arch Surg** 1984 Jun; 119(6):652–8

Endoscopic examination of the cardio–oesophageal junction [editorial] Brown JH. **Aust NZ J Surg** 1983 Dec;53(6):504–5

Ultrasonic diagnosis of duplication cysts in children. Lamont AC, et al. **Br J Radiol** 1984 Jun;57(678):463–7

Tuberculosis of the stomach—a case report. Dayal JP, et al. **Indian J Cancer** 1983 Jul–Aug;20(3):176–8

Crohn's disease of the stomach with outlet obstruction: a case report and review of therapy. Priebe WM, et al. **J Clin Gastroenterol** 1983 Oct;5(5):441–5

Ill patient with unknown or hidden pregnancy. Laubach GE, et al. **Postgrad Med** 1975 Aug;58(2):115–8

Crohn's disease with exclusive gastric involvement: a case report and review of the literature. Netto GM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Dec;38(6):259–62

[Spontaneous rupture of the stomach with a report of 2 cases] Apostolov N, et al. **Khirurgiia (Sofiia)** 1983;36(1):35–8 (Eng. Abstr.) **(Bul)**

[Gastric schistosomiasis: report of 10 cases] Che WJ. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):737–8 (Eng. Abstr.) **(Chi)**

[Esophago–gastric mycoses. Apropos of 23 esophageal and 3 gastric localizations] Aubry P, et al. **Dakar Med** 1983; 28(2):363–76 (Eng. Abstr.) **(Fre)**

[Polyarthritis in anisakiasis. 1st case (letter)] Fabresse FX, et al. **Presse Med** 1984 Apr 14;13(16):1004 **(Fre)**

[Diagnosis of gastric hypokalemic alkalosis] Walb D. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):183–5 **(Ger)**

[Endoscopic study of the stomach. Comparison with a radiographic study] Briglia R, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):121–4 (Eng. Abstr.) **(Ita)**

[Sequential endoscopic observation of cytomegalic inclusion disease in the stomach and duodenal bulb] Kodama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1485–9 **(Jpn)**

[Small focal lesions of the stomach] Sklianskaia OA, et al. **Arkh Patol** 1984;46(2):50–6 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of erosive gastroduodenal hemorrhages] Sen'ko VP, et al. **Klin Khir** 1984 Apr;(4):31–3 (Eng. Abstr.) **(Rus)**

[Multizonal rheoplethysmography of the stomach] Iakovlev GM, et al. **Klin Med (Mosk)** 1983 Oct;61(10):96–101 (Eng. Abstr.) **(Rus)**

[Diagnostic value of determining the natural luminescence of biopsies of the gastric mucosa] Shulenin SN. **Voen Med Zh** 1984 Mar;(3):71–2 **(Rus)**

[A case of stomach phlegmon] Pisanko VG. **Vrach Delo** 1983 Jun;(6):91–2 **(Rus)**

[Upper digestive hemorrhage. Analysis of 1000 cases] Ballesteros JA, et al. **Rev Clin Esp** 1984 Apr 15;173(1):37–40 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Transrenal–vein reflux ethanol sclerosis of gastroesophageal varices. Olson E, et al. **AJR** 1984 Sep;143(3):627–8

Hypomotility of the stomach following gastric pull up. McGonagle ME, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):82–5

[Therapy of gastric alkalosis] Walb D. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):186 **(Ger)**

ENZYMOLOGY

Glutathione and GSH–dependent enzymes in the human gastric mucosa. Hoppenkamps R, et al. **Klin Wochenschr** 1984 Feb 15;62(4):183–6

ETIOLOGY

The pathogenesis of Dieulafoy's gastric erosion. Juler GL, et al. **Am J Gastroenterol** 1984 Mar;79(3):195–200

Gastric mucosal erosions; a clinical history and findings and the possible role of herpes simplex infection in aetiology. Karvonen AL, et al. **Ann Clin Res** 1983 Aug;15(4):137–41

Gastric outlet and duodenal obstruction from inflammatory pancreatic disease. Aranha GV, et al. **Arch Surg** 1984 Jul; 119(7):833–5

Acute gastric dilatation following feeding of nutritionally abused children. Shulman BH, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):108

Gastric perforation: a late complication of abdominal radiation for para–aortic lymph node metastasis from cervical squamous carcinoma. Dini MM, et al. **J Natl Med Assoc** 1983 Dec;75(12):1221–2

Gastroparesis with multiple sclerosis [letter] Gupta YK. **JAMA** 1984 Jul 6;252(1):42

Strangulated stomach within a femoral hernia. Cade RJ, et al. **Postgrad Med J** 1984 May;60(703):376

[Gastrointestinal granulomas due to the consumption of raw oysters?] van Thiel PH. **Ned Tijdschr Geneeskd** 1984 Mar 10;128(10):449–50 (Eng. Abstr.) **(Dut)**

[Neonatal gastric perforations] Helardot PG, et al. **Chir Pediatr** 1984;25(3):169–75 (Eng. Abstr.) **(Fre)**

[A rare cause of gastric perforation: phytobezoar (letter)] Veyrac M, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul; 8(6–7):580–1 **(Fre)**

[Hemorrhage caused by rupture of pancreatic cyst into the stomach] Syrbu IF, et al. **Vestn Khir** 1984 Jan;132(1):77–8 **(Rus)**

[Post–traumatic diaphragmatic hernia with necrosis of the stomach] Peralta Zagal JA. **Rev Gastroenterol Mex** 1984 Jan–Mar;49(1):47–50 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[A case of so–called plasma cell granuloma of the stomach—demonstration of monoclonal immunoglobulin (IgM, K) in the plasma cells] Katamura S, et al. **Gan No Rinsho** 1984 Jan;30(1):59–65 (Eng. Abstr.) **(Jpn)**

[IgE–anisakis antibody in the sera of patients with acute gastric anisakiasis] Yamamoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1489 **(Jpn)**

[Autoimmune reactions to peptide hormones in stomach and duodenal diseases] Malov IuS. **Klin Med (Mosk)** 1984 Feb; 62(2):88–92 **(Rus)**

METABOLISM

Gastric mucosa cytokinetics in gastric diseases. Zhang NZ, et al. **Chin Med J [Engl]** 1983 Nov;96(11):853–9

[Mediator content of the rat brain in neurogenic gastric pathology] Zavodskaia IS, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):135–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Benign histiocytosis X of stomach. Previously undescribed lesion. Nihei K, et al. **Acta Pathol Jpn** 1983 May; 33(3):577–88

Role of lymphoid nodules in pathogenesis of indomethacin–induced gastric lesions in dogs. Tabata K, et al. **Dig Dis Sci** 1984 Apr;29(4):346–52

Chronic erosions of the stomach—a clinical, endoscopic and histological evaluation. Franzin G, et al. **Endoscopy** 1984 Jan;16(1):1–5

Evaluation of the new giant–biopsy forceps in the diagnosis of mucosal and submucosal gastric lesions. Kaneko E, et al. **Endoscopy** 1983 Sep;15(5):322–6

Classification of intramucosal cysts of the stomach. Kato Y, et al. **Histopathology** 1983 Nov;7(6):931–8

Chronic duodenitis with gastric metaplasia: electron

microscopic study including comparison with normal. Shousha S, et al. **Histopathology** 1983 Nov;7(6):873–85
Gastroduodenal Crohn's disease. Hoagland B, et al. **J Ky Med Assoc** 1984 May;82(5):224–7
Three-dimensional morphological study of rat gastric lesions induced by N-methyl-N'-nitro-N-nitrosoguanidine. Structural atypia in carcinoma and non-carcinomatous lesions. Kokubo T, et al. **Pathol Res Pract** 1984 May; 178(5):477–82
[Gastroduodenal schistosomiasis (with report of 29 cases)] Wang CW, et al. **Chung Hua I Hsueh Tsa Chih** 1983 May; 63(5):302–4 **(Chi)**
[Abscess formation in ectopic pancreatic tissue in the stomach] Uhrenholt L, et al. **Ugeskr Laeger** 1984 Mar 19; 146(12):883–4 (Eng. Abstr.) **(Dan)**
[Gastric eosinophilic granuloma : value of endoscopic polypectomy. Apropos of 2 cases] Eugene C, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2249–50 (Eng. Abstr.) **(Fre)**
[Isolated tumor-like amyloidosis of the stomach] Bethke BA, et al. **Med Welt** 1983 Dec 16;34(50):1422–5 **(Ger)**
[Cysts of the gastric mucosal glands] Heilmann KL, et al. **Pathologe** 1983 Nov;4(6):271–80 **(Ger)**
[Glomus tumor of the stomach] Lekakh SR, et al. **Klin Med (Mosk)** 1984 Feb;62(2):118–20 **(Rus)**

PHYSIOPATHOLOGY

The physiology and pathophysiology of gastric emptying in humans. Minami H, et al. **Gastroenterology** 1984 Jun; 86(6):1592–610 (182 ref.)
Symposium on upper gastrointestinal motility disorders. Gastric motor disorders: an overview. Lindor KD, et al. **South Med J** 1984 Aug;77(8):943–6 (30 ref.)
[The relationship between gastric cold, hot symptom and intragastric temperature] Xu ZC. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):351–2 **(Chi)**
[Physiology and pathology of gastric emptying of solids and liquids] De Graef J, et al. **Acta Gastroenterol Belg** 1982 Nov-Dec;45(11–12):461–70 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Cytoprotecting–effect of cimetidine: experimental evidence in the rat gastric mucosal lesions induced by intragastric administration of necrotizing agents. Morón F, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):309–19
Protection of rat gastric mucosa against ethanol injury by the new synthetic prostaglandin MDL 646. Pallavicini G, et al. **Experientia** 1984 Apr 15;40(4):371–2
Nutritional modulation of mineralocorticoid and prostaglandin production: potential role in prevention and treatment of gastric pathology. McCarty MF. **Med Hypotheses** 1983 Aug;11(4):381–9 (44 ref.)
3-Methoxy-5,7,3',4'-tetrahydroxyflavan (ME): a new compound to prevent gastric irritation. A gastric potential difference analysis. Ganote DP, et al. **Methods Find Exp Clin Pharmacol** 1983 Sep;5(7):489–94
[Effects of lithium salts on experimental neurogenic lesions of the stomach and heart] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):653–5 (Eng. Abstr.) **(Rus)**
[Prevention and decrease in chronic stomach diseases] Salimov TG. **Sov Zdravookhr** 1984;(4):34–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomographic recognition of gastric varices. Balthazar EJ, et al. **AJR** 1984 Jun;142(6):1121–5
Cryptosporidiosis of the stomach and small intestine in patients with AIDS. Berk RN, et al. **AJR** 1984 Sep; 143(3):549–54
Mucus and barium workshop, New York, October 1983. **Dig Dis Sci** 1984 Jul;29(7):659–63
Improvement of gastric mucosal detail in the double-contrast upper gastrointestinal examination utilizing low-dose glucagon. Stoecker R, et al. **J Am Osteopath Assoc** 1984 May;83(9):660–2
Evaluation of double contrast barium meal study of stomach and duodenum. Sharma SL, et al. **J Assoc Physicians India** 1984 Feb;32(2):177–9
Inferior epigastric varix masquerading as a pelvic mass. Sawyer EK, et al. **J Urol** 1984 Jun;131(6):1173–4
[The consequences of abnormal findings in the barium meal examination of the stomach and duodenum] Bekker C, et al. **Ugeskr Laeger** 1983 Oct 3;145(40):3085–90 (Eng. Abstr.) **(Dan)**
[Radiologic studies of stomach and duodenum performed at the request of the family physician; an assessment of the effectiveness of cooperation] Jansen JH. **Ned Tijdschr Geneeskd** 1984 Mar 17;128(11):495–8 (Eng. Abstr.) **(Dut)**
[Varioloform (complete) erosions in the stomach and duodenum] Lotz W, et al. **ROFO** 1984 Apr;140(4):387–92 (Eng. Abstr.) **(Ger)**
[Gastroenterology. Roentgen diagnosis 2: The stomach] Bargon G. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1444–5 **(Ger)**
[Gastroenterology (19). Roentgen diagnosis 3: the stomach (2)] Bargon G. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1513–5 **(Ger)**
[Roentgen diagnosis: 5. The stomach (4)] Bargon G. **ZFA (Stuttgart)** 1983 Oct 20;59(29):1629–30 **(Ger)**
[Bochdalek hernia in an infant] Tomita T, et al. **Rinsho Hoshasen** 1981 Dec;26(13):1405–8 (Eng. Abstr.) **(Jpn)**
[Positive electroroentgenography for examining the esophagus and stomach] Baltrushaitis PD, et al. **Med Radiol (Mosk)** 1984 Feb;29(2):24–31 (Eng. Abstr.) **(Rus)**
[A double contrast medium for radiographic examination of the stomach and esophagus] Escobar-Billing R, et al. **Lakartidningen** 1983 Aug 10;80(32–33):2880–2 **(Swe)**

SURGERY

Idiopathic intermittent gastroparesis and its surgical alleviation. Shellito PC, et al. **Am J Surg** 1984 Sep; 148(3):408–12
Treating Jehovah's Witnesses [letter] Timmermans FJ. **Can Med Assoc J** 1983 Nov 1;129(9):920
Endoscopic Nd: YAG laser therapy for gastric borderline lesions. Kato O, et al. **Gastrointest Endosc** 1984 Apr; 30(2):77–9
The effects of gastric surgery on serum ferritin concentrations. Harju E, et al. **Int Surg** 1984 Jan-Mar; 69(1):51–4
[Choice of the surgical technic in post-burn stenosis of the stomach in children] Vereiutin IuM, et al. **Vestn Khir** 1983 Sep;131(9):114–5 **(Rus)**

THERAPY

Gastric bleeding: therapy with intraarterial vasopressin and transcatheter embolization. Eckstein MR, et al. **Radiology** 1984 Sep;152(3):643–6
[Treatment of hemorrhagic teleangiopathies in the stomach by endoscopic sclerotherapy] Elsborg L. **Ugeskr Laeger** 1984 Mar 5;146(10):738–9 (Eng. Abstr.) **(Dan)**
[Hyperbaric oxygenation in the combined treatment of patients with gastroduodenal pathology] Rafal'skiĭ AA, et al. **Voen Med Zh** 1984 Feb;(2):23–5 **(Rus)**

VETERINARY

Prevalence of Anoplocephala perfoliata and lesions of Draschia megastoma in Thoroughbreds in Kentucky at necropsy. Lyons ET, et al. **Am J Vet Res** 1984 May; 45(5):996–9
Rumen conditions that predispose cattle to pasture bloat. Majak W, et al. **J Dairy Sci** 1983 Aug;66(8):1683–8
Spontaneous gastric erosions in NOD and KK-A gamma. Nishimura M, et al. **Lab Anim Sci** 1983 Dec;33(6):577–9
[Changes in the serum alkaline phosphatase of sheep and cattle with acute acidosis of the forestomach] Antonov S, et al. **Vet Med Nauki** 1983;20(3–4):20–7 (Eng. Abstr.) **(Bul)**
[Treatment of gastric torsion in the dog: effect of pylorus myotomy on the frequency of recurrence] Baumberger A, et al. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):557–60 (Eng. Abstr.) **(Ger)**

STOMACH DIVERTICULA

DIAGNOSIS

Pitfalls in the diagnosis and treatment of a symptomatic gastric diverticulum. Anaise D, et al. **Gastrointest Endosc** 1984 Feb;30(1):28–30
[True gastric diverticulum] Ismailov AKh, et al. **Vestn Khir** 1983 Dec;131(12):53–4 **(Rus)**
[Diverticula of the upper part of the gastrointestinal tract] Moravec R, et al. **Sb Lek** 1984 Feb;86(2–3):47–54 (Eng. Abstr.) **(Slo)**

OCCURRENCE

[Clinical and epidemiological aspects of 571 cases of diverticulosis of the digestive tract (a retrospective study)] Gherman I, et al. **Rev Med Interna [Med Interna]** 1984 Mar-Apr;36(2):149–56 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Intramural gastric diverticula: a report of three cases. Cockrell CH, et al. **Br J Radiol** 1984 Apr;57(676):285–8
[Gastric diverticuli. Report of 12 cases] Gimeno Solsona F, et al. **Rev Clin Esp** 1984 Apr 15;173(1):21–4 (Eng. Abstr.) **(Spa)**

SURGERY

The elderly patient and colon surgery for cancer or diverticular disease. Watne AL, et al. **Am Surg** 1984 Aug; 50(8):460–4

STOMACH NEOPLASMS

Gastric lymphomas. Clinical features, treatment and prognosis. Thorling K. **Acta Radiol [Oncol]** 1984; 23(2–3):193–7
Malignant myositis ossificans: occult gastric carcinoma presenting as an acute rheumatic disorder. Rosenbaum LH, et al. **Ann Rheum Dis** 1984 Feb;43(1):95–7
Early gastric cancer. Carter KJ, et al. **Ann Surg** 1984 May; 199(5):604–9
Cancer in the gastric remnant in China--a review of 33 cases in China. Li ZL, et al. **Gastroenterol Jpn** 1984 Apr; 19(2):131–5
Nonepithelial tumors of the stomach--gastric leiomyomatous tumors: a clinical review. Anderson BB, et al. **J Natl Med Assoc** 1983 Nov;75(11):1051–5
Gastric cancer in young patients. Ikossi-O'Connor MG, et al. **J Surg Oncol** 1984 Aug;26(4):219–24
Symposium on early gastric cancer--epidemiology, diagnosis and treatment. **Jpn J Clin Oncol** 1984 Jun;14(2):149–293
Phase II study of orally and rectally administered Tegafur in liver metastases from gastric carcinoma. Reyes JM, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):41–7
Bone metastasis of gastric cancer. Yoshikawa K, et al. **Jpn J Surg** 1983 May;13(3):173–6
[25 cases of gastric smooth muscle tumors and review of the literature] Christinaz D, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):708–10 (Eng. Abstr.) **(Fre)**
[Hemangiopericytoma: considerations on 3 clinical cases] Colecchia G, et al. **Ann Ital Chir** 1983;55(4):403–11 (Eng. Abstr.) **(Ita)**
[Primary malignant gastric lymphoma. Clinical contribution and review of the literature] Bulfoni A. **Minerva Dietol Gastroenterol** 1984 Apr-Jun;30(2):197–200 (Eng. Abstr.) **(Ita)**
[Heterotopic ossification in the skeletal muscle metastases of advanced stomach cancer] Fujiwara R, et al. **Gan No Rinsho** 1983 Oct;29(12):1471–5 (Eng. Abstr.) **(Jpn)**
[Metastasis of stomach cancer into the skin simulating lymphoma] Pawińska M, et al. **Przegl Dermatol** 1982 Sep-Dec;69(5–6):423–6 (Eng. Abstr.) **(Pol)**
[Synchrono-metachronous cancer of the organs of the gastrointestinal tract] Arzhanov SIa, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):117–8 **(Rus)**
[Liver scanning for the detection of metastases of stomach cancer to the liver] Bulgakov GA, et al. **Klin Med (Mosk)** 1984 May;62(5):51–3 (Eng. Abstr.) **(Rus)**
[Krukenberg's metastatic tumor of the ovary in a patient] Kusovac V, et al. **Srp Arh Celok Lek** 1983 Mar;111(3):363–5 **(Scc)**

ANALYSIS

Human gastric cancer-associated antigens and carcinoembryonic antigen detected by monoclonal antibodies. Yachi A, et al. **Ann NY Acad Sci** 1983; 417:158–68
Cells of origin in human gastric neoplasms. Chen CK, et al. **Cancer Lett** 1983 Dec;21(2):195–200
Cytometrically determined relative DNA content as an indicator of neoplasia in gastric lesions. Teodori L, et al. **Cytometry** 1984 Jan;5(1):63–70
Comparative study of CEA staining in gastric and colorectal cancer tissues. Kojima O, et al. **Gastroenterol Jpn** 1984 Feb; 19(1):18–23
Relation between gastric histology and gastric juice pH and nitrite and N-nitroso compound concentrations in the stomach after surgery for duodenal ulcer. Watt PC, et al. **J Clin Pathol** 1984 May;37(5):511–5
Relation between intragastric bile acid concentration and mucosal abnormality in the stomach after vagotomy and gastroenterostomy for duodenal ulcer. Watt PC, et al. **J Clin Pathol** 1984 May;37(5):506–10
Neurohormonal peptides in endocrine tumors of the pancreas, stomach, and upper small intestine: I. An immunohistochemical study of 27 cases. Alumets J, et al. **Ultrastruct Pathol** 1983 Jul;5(1):55–72
[Determination of zinc in gastric tissue, gastric fluids, plasma and urine in gastric cancer and non-cancer patients] Song GP. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):632–3 (Eng. Abstr.) **(Chi)**
[Presence of hormone receptors in gastric cancers. 3 cases (letter)] Delaitre B, et al. **Presse Med** 1984 Jun 23; 13(26):1631 **(Fre)**
[DNA-RNA cytofluorometry for a primary cancer of the stomach and choledochus] Kamachi M, et al. **Gan No Rinsho** 1984 May;30(5):466–72 (Eng. Abstr.) **(Jpn)**
[Analysis of DNA-RNA in advanced gastric cancer using fluorescence microscopy] Kamaike M, et al. **Gan To Kagaku Ryoho** 1984 Feb;11(2):340–1 **(Jpn)**
[5-Fluorouracil concentration in various tissues from cancer patients after oral administration of 5-fluorouracil] Nakamura T, et al. **Gan To Kagaku Ryoho** 1984 May; 11(5):1037–48 (Eng. Abstr.) **(Jpn)**
[Ultrastructural localization of secretory component and carcinoembryonic antigen in human gastric neoplasms and related disorders] Shioda Y. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):47–55 (Eng. Abstr.) **(Jpn)**
[Carcinoembryonic antigen, alpha-fetoprotein and human chorionic gonadotropin producing gastric cancer] Honda T, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):521–6 **(Jpn)**
[Serial transplantation of 2 strains of CEA-producing, poorly differentiated adenocarcinoma of man into nude mice] Ezaki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1118–25 (Eng. Abstr.) **(Jpn)**
[Localization of carcinoembryonic antigen (CEA) in atypical epithelial foci and well-differentiated early cancer of the stomach] Kohfuji K. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1111–7 (Eng. Abstr.) **(Jpn)**
[Gastric cancer with hepatic metastasis showing

immunofluorescent localization of tumor markers] Noguchi T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug; 80(8):1641–5 **(Jpn)**

[Nuclear DNA levels in MNNG-induced stomach neoplasms] Tomino Y. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct;80(10):2188–94 (Eng. Abstr.) **(Jpn)**

[Comparative study of the DNA content and cross-sectional area of the interphase nuclei of epithelial cells in stomach polyps and cancer (based on gastric biopsy data)] Ganina KP, et al. **Vopr Onkol** 1984;30(5):50–6 (Eng. Abstr.) **(Rus)**

BLOOD

Signet ring cell lymphoma. A report of a case and review of the literature. Silberman S, et al. **Am J Clin Pathol** 1984 Mar;81(3):358–63

Protease inhibitor and gastric cancer. Tsumoto S, et al. **Bull Osaka Med Sch** 1983 Jul;29(1):18–26

Histocompatibility antigen loss in gastric carcinoma cells and its significance. Li Z, et al. **Chin Med J [Engl]** 1983 Oct; 96(10):759–64

Immunosuppressive activity of sera from gastric cancer patients. Sakita M, et al. **Jpn J Surg** 1984 Mar;14(2):127–34

Immunosuppressive acidic protein (IAP) in gastric cancer patients. Shimizu N, et al. **Jpn J Surg** 1983 Jul;13(4):312–6

Nitroblue tetrazolium test in patients with neoplasma during surgical treatment. Korenkiewicz A, et al. **Neoplasma** 1983; 30(5):619–22

Enzymes of peripheral blood neutrophils in patients with cancer of the stomach. Moszczynski P, et al. **Rev Esp Oncol** 1981;28(3):433–40

[Immunosuppressive acidic glycoprotein (IAP) and immunosuppressive substance] Ogoshi K, et al. **Gan No Rinsho** 1983 Aug;29(9):987–90 (Eng. Abstr.) **(Jpn)**

[Diagnostic values of type III Procollagen N-terminal peptide and combination assay of type III procollagen N-terminal peptide with CEA and CA 19-9 in gastric cancer] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Jul; 11(7):1434–8 (Eng. Abstr.) **(Jpn)**

[Blood concentration of HCFU in gastrectomized patients] Katayama K, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1697–8 **(Jpn)**

[Total and lipid-bound sialic acids in the sera of patients with cancer of the stomach and large intestine] Oki S. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):692–703 (Eng. Abstr.) **(Jpn)**

[Serum levels of sialic acid and other glycoproteins in stomach cancer, with special reference to cellular immunity] Ogoshi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2352–6 (Eng. Abstr.) **(Jpn)**

[Tissue fibrinolysis and hemostatic functions in gastric cancer] Sato M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2357–62 (Eng. Abstr.) **(Jpn)**

[Enzymes of peripheral neutrophils in patients with stomach cancer] Moszczyński P, et al. **Pol Tyg Lek** 1983 Mar 28; 38(13):397–9 (Eng. Abstr.) **(Pol)**

[Clinical significance of the serum concentration of carcino-embryonic antigen of stomach cancer patients at the preoperative examination stage] Miasoedov DV, et al. **Klin Khir** 1984 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Changes in the physico-chemical properties of erythrocytes in various neoplastic diseases] Sviridova TV, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):3–5 (Eng. Abstr.) **(Rus)**

[Transketolase activity and thiamine diphosphate content in oncological patients] Trebukhina RV, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):100–3 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Histopathological study on the vascular invasion in advanced gastric carcinomas] Shinkai K, et al. **Gan No Rinsho** 1984 Jun;30(7):791–8 (Eng. Abstr.) **(Jpn)**

[Angiographic analysis of vascular anatomy in gastric cancer] Sawai K, et al. **Nippon Geka Gakkai Zasshi** 1984 Feb; 85(2):143–52 (Eng. Abstr.) **(Jpn)**

[Diagnostic ability of angiography on invasion depth of gastric cancer] Azuma T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):844–54 (Eng. Abstr.) **(Jpn)**

[Intraoperative measurement of blood flow in gastric neoplastic tissue with electrolytic regional blood flowmeter] Yusa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1657 **(Jpn)**

CHEMICALLY INDUCED

Experimental models for gastric leiomyosarcoma. The effects of N-methyl-N'-nitro-N-nitrosoguanidine in combination with stress, aspirin, or sodium taurocholate. Cohen A, et al. **Cancer** 1984 Mar 1;53(5):1088–92

Effect of aspirin on N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide-induced epithelial proliferation in the urinary bladder and forestomach of the rat. Hasegawa R, et al. **Cancer Lett** 1984 Jan;21(3):269–75

Forestomach squamous papillomas in the rat: effect of dietary zinc deficiency on induction. Ng WL, et al. **Cancer Lett** 1984 Apr;22(3):329–32

The carcinogenic effect of butylated hydroxyanisole on the stratified epithelium of the stomach in rat versus pig. Olsen P. **Cancer Lett** 1983 Nov;21(1):115–6

Inhibition by aspirin of N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide-induced bladder carcinogenesis and enhancement of forestomach carcinogenesis. Murasaki G, et al. **Carcinogenesis** 1984 Jan;5(1):53–5

Cimetidine and gastric cancer: a reappraisal. **Drug Ther Bull** 1983 Aug 26;21(17):65–7

Development of adenocarcinomas after transplantation of rat glandular stomachs treated in vitro with N-methyl-N'-nitro-N-nitrosoguanidine (MNNG). Kurokawa Y, et al. **Experientia** 1983 Dec 15;39(12):1404–7

Induction of papilloma in the forestomach of hamsters by butylated hydroxyanisole. Ito N, et al. **Gann** 1983 Aug; 74(4):459–61

Effects of sodium chloride, saccharin, phenobarbital and aspirin on gastric carcinogenesis in rats after initiation with N-methyl-N'-nitro-N-nitrosoguanidine. Takahashi M, et al. **Gann** 1984 Jun;75(6):494–501

Absence of a causal association between cimetidine and gastric cancer [letter] Porter JB, et al. **Gastroenterology** 1984 Oct;87(4):987–8

Biochemical mechanisms on species differences in gastric carcinogenesis. Chen J, et al. **J Cancer Res Clin Oncol** 1984; 108(1):135–40

Effect of cyclosporine on carcinogenesis induced in rats by N-methyl-N'-nitro-N-nitrosoguanidine. Johnson FE, et al. **J Surg Res** 1984 Sep;37(3):180–8

Zinc deficiency and the development of esophageal and forestomach tumors in Sprague-Dawley rats fed precursors of N-nitroso-N-benzylmethylamine. Fong LY, et al. **JNCI** 1984 Feb;72(2):419–25

Effects of butylated hydroxyanisole, butylated hydroxytoluene, and NaCl on gastric carcinogenesis initiated with N-methyl-N'-nitro-N-nitrosoguanidine in F344 rats. Shirai T, et al. **JNCI** 1984 May;72(5):1189–98

Effect of erythorbate on N-methyl-N'-nitro-N-nitrosoguanidine-induced stomach carcinogenesis in F344 rats. Abe I, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1-4):40–55

Methylbromide: carcinogenic effects in the rat forestomach. Danse LH, et al. **Toxicol Appl Pharmacol** 1984 Feb; 72(2):262–71

[Experimental minute gastric cancer induced by N-ethyl-N'-nitro-N-nitrosoguanidine in dogs] Nomura H, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):29–37 (Eng. Abstr.) **(Jpn)**

[Effects of sex hormones on carcinogenesis of experimental gastric cancer--sequential study] Furukawa H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1410–4 (Eng. Abstr.) **(Jpn)**

[Biochemical study of the position specificity of rat gastrointestinal cancer induced by MNNG] Kobori O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):277 **(Jpn)**

[Changes in the intracellular localization of pepsinogen-synthesizing polysomes in the gastric mucosa of rats during N-methyl-N'-nitro-N-nitrosoguanidine-induced carcinogenesis] Kalinovskiĭ VP, et al. **Tsitologiia** 1983 Dec; 25(12):1405–10 (Eng. Abstr.) **(Rus)**

[MNNG-induced gastrointestinal tumors in rats of different ages] Sherenesheva NI. **Vopr Onkol** 1983;29(11):86–92 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Primary malignant non-Hodgkin's lymphoma of the stomach in the Kiel classification] Irro F, et al. **Arch Geschwulstforsch** 1984;54(2):129–35 (Eng. Abstr.) **(Ger)**

[Problems of surgical management of Borrmann's type IV stomach cancer--with special reference to subdivision of Borrmann's type IV] Kito T. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2461–7 (Eng. Abstr.) **(Jpn)**

[Atypical epithelium of the stomach, with special reference to the definition of group III] Moriyama M. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):759–62 **(Jpn)**

[Cytological classifications of precancerous conditions and cancer of the lung, breast, esophagus and stomach] Agamova KA, et al. **Vopr Onkol** 1983;29(11):48–53 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Early gastric cancer and its complications: bleeding, perforation and pyloric stenosis. Itano S. **Acta Med Okayama** 1983 Oct;37(5):431–40

Hemoperitoneum secondary to exogastric leiomyosarcomas and leiomyoblastomas. Ramos SM, et al. **Am J Gastroenterol** 1984 Aug;79(8):637–41

Bone marrow necrosis associated with tumor emboli and disseminated intravascular coagulation [letter] Laso FJ, et al. **Arch Intern Med** 1983 Nov;143(11):2220

The role of tissue thromboplastin in the development of DIC accompanying neoplastic diseases. Gonmori H, et al. **Bibl Haematologica** 1983;49:23–39

Age-related trends of gastritis and intestinal metaplasia in gastric carcinoma patients and in controls representing the population at large. Sipponen P, et al. **Br J Cancer** 1984 Apr;49(4):521–30

Plasma cell granuloma of the stomach. A report of a case associated with gastric cancer. Tada T, et al. **Cancer** 1984 Aug 1;54(3):541–4

Pulmonary lymphangitic carcinomatosis from occult stomach carcinoma in young adults: an unusual cause of dyspnea [letter] Dennstedt FE, et al. **Chest** 1983 Dec;84(6):787–8

Gastric cancer associated with incomplete pyloric obstruction and belching combustible gas. Zhang YL, et al. **Chin Med J [Engl]** 1984 Jan;97(1):66

Eruptive seborrhoeic warts with gastric adenocarcinoma. Coburn PR, et al. **J R Soc Med** 1984 Mar;77(3):245–6

Intubation of malignant pyloric obstruction [letter] Cade RJ, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1501

Autoimmune hemolytic anemia and gastric cancer: case report and review of the literature. Inoue Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):836–41 (18 ref.)

Simultaneous oesophageal and gastric carcinoma in an elderly man. A case report. Van Gelderen WF. **S Afr Med J** 1983 Sep 17;64(12):455–6

Gastric carcinoma and pernicious anaemia in long-term endoscopic follow-up of subjects with gastric polyps. Laxén F. **Scand J Gastroenterol** 1984 Jun;19(4):535–40

[Epitheloid leiomyomata. A rare cause of upper gastrointestinal hemorrhage] Knudsen UB, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1136 (Eng. Abstr.) **(Dan)**

[Chronic atrophic gastritis with carcinoid tumor and microcarcinoidosis. Report of a case with immunohistochemistry and ultrastructure study] Saint-Andre JP, et al. **Ann Pathol** 1983 Sep;3(3):235–40 (Eng. Abstr.) **(Fre)**

[An unusual cause of hematemesis in the newborn infant: stomach teratoma. Apropos of a case] Mozziconacci JG, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):321–4 (Eng. Abstr.) **(Fre)**

[Hypoglycemia caused by extrapancreatic tumors] Andreani D, et al. **Journ Annu Diabetol Hotel Dieu** 1983;:119–29 **(Fre)**

[Parsonage-Turner syndrome associated with superficial cancer of the stomach. A coincidence or paraneoplastic syndrome?] Cayla J, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):281–2 **(Fre)**

[Differential diagnosis at the bedside. Tumor anemia or microangiopathic hemolytic anemia?] Holzgreve H, et al. **MMW** 1983 Sep 16;125(37):101–2 **(Ger)**

[Tumor-induced calcification of the stomach wall] Oberschulte-Beckmann D, et al. **ROFO** 1984 Feb; 140(2):221–2 **(Ger)**

[A rare case of hemorrhagic lipoma of the afferent loop concomitant to carcinoma of the gastric stump] Berretta S, et al. **Ann Ital Chir** 1983;55(4):365–9 (Eng. Abstr.) **(Ita)**

[Synchronous primary lymphosarcoma and multifocal intramucosal carcinoma in a gastrectomy specimen] Di Blasi A, et al. **Pathologica** 1983 May-Jun;75(1037):415–23 (Eng. Abstr.) **(Ita)**

[A case of paraneoplastic myeloneuropathy possibly of deficiency origin] Toso V, et al. **Riv Neurobiol** 1983 Apr-Sep;29(2-3):249–55 (Eng. Abstr.) **(Ita)**

[Primary amyloidosis associated with early gastric carcinoma(IIb like IIa type) diagnosed by preoperative gastric biopsy--a case report] Hayashi I, et al. **Gan No Rinsho** 1983 Nov;29(14):1686–92 (Eng. Abstr.) **(Jpn)**

[Calcifying mucinous adenocarcinoma of the stomach--case report] Hoshiyama N, et al. **Gan No Rinsho** 1984 May; 30(5):529–38 (Eng. Abstr.) **(Jpn)**

[Effect of intracavitary administration of an anticancer agent with glucocorticoid on cancer patients complicated with malignant effusion] Takahashi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20;18(4):881–8 (Eng. Abstr.) **(Jpn)**

[Case of common variable hypogammaglobulinemia associated with gastric carcinoma] Mitsuya H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):813–9 **(Jpn)**

[Evaluation of stomach cancer in the early stage accompanied by gastric cancer] Shirai M, et al. **Rinsho Hoshasen** 1983 Jul;28(7):751–6 (Eng. Abstr.) **(Jpn)**

[A case of non-secretory myeloma (accompanied with gastric carcinoma) analyzed with plaque forming cell assay] Matsushita S, et al. **Rinsho Ketsueki** 1984 Mar;25(3):393–8 (Eng. Abstr.) **(Jpn)**

[Chylothorax in stomach cancer] Kapusta A, et al. **Pol Tyg Lek** 1983 May 16-23;38(20-21):647–9 (Eng. Abstr.) **(Pol)**

[Leiomyoma of the stomach as a cause of hemorrhage from the upper segment of the digestive tract] Pawlowski W, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1481–2 (Eng. Abstr.) **(Pol)**

[Acute intra-abdominal complications of stomach cancer] Lur'e AS. **Khirurgiia (Mosk)** 1984 Jun;(6):71–2 **(Rus)**

[Value of several serum enzymes and uropepsinogen in establishing the etiology of gastrointestinal hemorrhages] Podil'chak MD, et al. **Klin Khir** 1984 Apr;(4):33–4 (Eng. Abstr.) **(Rus)**

[Complications after gastrectomy and proximal resection of the stomach for cancer] Darenskiĭ DI. **Vestn Khir** 1984 Jul;132(7):106–11 **(Rus)**

[Spontaneous rupture of an exogastric hemangioma of the stomach] Kopylov IuN, et al. **Vestn Khir** 1983 Sep; 131(9):62–3 **(Rus)**

[Association of stomach ulcer and lymphosarcoma (a case report)] Eremin VA. **Vopr Onkol** 1984;30(3):84–6 **(Rus)**

[Multiple diseases of the distal esophagus and stomach] Moravec R, et al. **Bratisl Lek Listy** 1984 Mar;81(3):367–75 (Eng. Abstr.) **(Slo)**

[Prolonged febrile syndrome and gastric leiomyosarcoma (letter)] de la Figuera M, et al. **Med Clin (Barc)** 1983 Dec 17;81(20):924 **(Spa)**

[Neoplasms in drug addicts (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):41–2 **(Spa)**

[Polyradiculoneuritis–dermatomyositosis as a paraneoplastic syndrome in stomach cancer] Ojeda Pérez E, et al. **Rev Clin Esp** 1983 May 31;169(4):269–70 **(Spa)**

DIAGNOSIS

Exfoliative cytodiagnosis of gastric adenocarcinoma. Comparison with biopsy and endoscopy. Moreno–Otero R, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):485–8

Regenerated splenosis masquerading as gastric fundic mass. Agha FP. **Am J Gastroenterol** 1984 Jul;79(7):576–8

Gastric lipoma presenting as peptic ulcer: case report and review of the literature. Chu AG, et al. **Am J Gastroenterol** 1983 Oct;78(10):615–8

Early gastric cancer in a United States hospital. Goldstein F, et al. **Am J Gastroenterol** 1983 Nov;78(11):715–9

Endoscopy and early gastric cancer [editorial] Max MH. **Am J Surg** 1984 May;147(5):704

Contribution of endoscopy to diagnosis and treatment of gastric cancer. Sekons DH, et al. **Am J Surg** 1984 May; 147(5):662–5

Early gastric cancer in Singapore. Low CH, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):570–2

Ultrasonography of gastric tumours. Myllylä V, et al. **Ann Clin Res** 1984;16 Suppl 40:65–8

Diagnostic accuracy of flexible endoscopic biopsy in carcinoma of the oesophagus and cardia. Lusink C, et al. **Aust NZ J Surg** 1983 Dec;53(6):545–9

Endoscopic screening for premalignant changes 25 years after gastrectomy: results of a five-year prospective study. Mortensen NJ, et al. **Br J Surg** 1984 May;71(5):363–7

Assessment of gastric cancer by laparoscopy. Gross E, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1577

Assessment of gastric cancer by laparoscopy [letter] Shandall A, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1918

Clinical interest of seric CA19.9 determination in differential diagnosis of patients with peptic ulcers and gastric cancer [letter] Ruibal A, et al. **Bull Cancer (Paris)** 1983; 70(5):438–40

Carcinoembryonic antigen in gastric juice collected during endoscopy. Value in detecting high-risk patients and gastric cancer. Nitti D, et al. **Cancer** 1983 Dec 15; 52(12):2334–7

The clinical presentation of gastric neoplasms in Zimbabwe. Stein M, et al. **Cent Afr J Med** 1983 Nov;29(11):217–9

Multiple gastric lipomas. Skinner MS, et al. **Dig Dis Sci** 1983 Dec;28(12):1147–9

Clinical value of fibreoptic endoscopy in the diagnosis of gastric malignancy at Kenyatta National Hospital. Mwaungulu GS, et al. **East Afr Med J** 1983 May; 60(5):328–31

Leiomyomas as seen at Kenyatta National Hospital between 1978 to 1981. Okelo GB, et al. **East Afr Med J** 1983 Aug; 60(8):572–5

Diagnosis of early gastric cancers in the upper part of the stomach by the endoscopic Congo red–methylene blue test. Tatsuta M, et al. **Endoscopy** 1984 Jul;16(4):131–4

Fundic gland polyposis in patients without familial adenomatosis coli: its incidence and clinical features. Iida M, et al. **Gastroenterology** 1984 Jun;86(6):1437–42

The endoscopic diagnosis of early gastric cancer. Blackstone MO. **Gastrointest Endosc** 1984 Apr;30(2):105–6

Plasmacytoma of the stomach: endoscopic diagnosis. Kaufman JC, et al. **Gastrointest Endosc** 1984 Jun; 30(3):186–7

Can endoscopy substitute for x-ray examination in screening for upper gastrointestinal diseases? [letter] Matsuura A, et al. **Gastrointest Endosc** 1983 Aug;29(3):249–50

Endoscopic evaluation of the esophagogastric polyp and fold. Murney RG Jr, et al. **Gastrointest Endosc** 1983 Nov; 29(4):294–6

Endoscopic examination of the gastric remnant 31–39 years after subtotal gastrectomy for peptic ulcer. Pickford IR, et al. **Gut** 1984 Apr;25(4):393–7

Separation of polyamines in gastric aspirate by TLC in the diagnosis of gastric carcinoma. Sulochana G, et al. **Indian J Med Res** 1983 May;77:758–60

Protein & aminoacid concentrations in the gastric aspirate in the diagnosis of gastric carcinoma. Sulochana G, et al. **Indian J Med Res** 1983 Jul;78 Suppl:123–6

Usefulness of carcinoembryonic antigen measurement in gastric juice of patients with gastric disorders. Micali B, et al. **J Clin Gastroenterol** 1983 Oct;5(5):411–5

Unusual presentations of gastric leiomyosarcoma. Vohra R, et al. **J Indian Med Assoc** 1983 Jun;80(11–12):181–3

Glomus tumour of the stomach. Baruah DR. **J R Coll Surg Edinb** 1983 Nov;28(6):407–8

Carcinoembryogenic antigen and lysosomal enzymes in gastric juice as an aid in the diagnosis of gastric cancer. Graffner H, et al. **J Surg Oncol** 1983 Nov;24(3):233–5

The sonographic appearances of gastric lymphoma. Derchi LE, et al. **J Ultrasound Med** 1984 Jun;3(6):251–6

The role of the biopsy in diagnosis of early gastric cancer. Itabashi M, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):253–70

Detection of early gastric cancer by panendoscopy. Takasu S, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):243–52

Progress in studies on early gastric cancer in Japan. Yoshimori M. **Jpn J Clin Oncol** 1984 Jun;14(2):149–58

Benign gastric lymphomatosis (gastric pseudolymphoma). Oproiu C, et al. **Med Interne** 1984 Apr–Jun;22(2):123–8

Endoscopy and gastric ulceration before cimetidine [letter] Edge D. **NZ Med J** 1984 Aug 22;97(762):577

Are acid secretory tests of diagnostic value in patients with benign-looking gastric ulcers? Neeman A, et al. **S Afr Med J** 1984 Jun 23;65(25):1012–4

Early gastric carcinoma a non-Japanese experience. Lim TC, et al. **Singapore Med J** 1984 Feb;25(1):43–5

Ultrasonic endoscopy. Asaki S, et al. **Tohoku J Exp Med** 1983 Sep;141(1):9–12

[Association of 2 congenital diseases—cervical rib and aberrant pancreas simulating cancer of the stomach with Virchow's metastasis] Ginev B, et al. **Khirurgiia (Sofiia)** 1984;37(1):36–9 **(Bul)**

[A case of leiomyosarcoma of the stomach in which diagnosis echotomographic study made a contribution] Vürbanov G, et al. **Vutr Boles** 1983;22(1):86–91 (Eng. Abstr.) **(Bul)**

[Gastric secretory immunoglobulin A in the diagnosis of stomach cancer. I. A study of 631 gastric lavage specimens] Lu YY. **Chung Hua Chung Liu Tsa Chih** 1984 Mar; 6(2):124–6 (Eng. Abstr.) **(Chi)**

[Carcinoma of the gastric stump] de Boer J, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2133–6 (Eng. Abstr.) **(Dut)**

[Early stomach carcinoma mimicking gastric ulcer] Plantinga ER, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):295–9 (Eng. Abstr.) **(Dut)**

[Carney's triad] Cuilleret J, et al. **Presse Med** 1984 Jan 21; 13(2):79–82 (Eng. Abstr.) **(Fre)**

[This stomach cancer healed before it was even clinically suspected] Gareau R. **Union Med Can** 1984 Apr; 113(4):332–3 **(Fre)**

[Computer tomographic and sonographic diagnosis and control in malignant lymphoma of the stomach] Crone-Münzebrock W, et al. **ROFO** 1983 Dec; 139(6):676–80 (Eng. Abstr.) **(Ger)**

[Sonographic findings in a hemangiopericytoma of the stomach. Case report] Bönhof JA, et al. **Ultraschall Med** 1983 Mar;4(1):49–51 (Eng. Abstr.) **(Ger)**

[Sonography and endoscopy as complementary study methods. Case report] Farrenkopf E. **Ultraschall Med** 1983 Mar;4(1):52–6 (Eng. Abstr.) **(Ger)**

[Correlation between endoscopic biopsy findings and sonograms of the abdomen in stomach cancer] Allmendinger G, et al. **Z Gastroenterol** 1984 Feb;22(2):62–5 (Eng. Abstr.) **(Ger)**

[Leiomyosarcoma of the stomach] Colecchia G, et al. **Ann Ital Chir** 1983;55(4):335–43 (Eng. Abstr.) **(Ita)**

[Diagnostic problems of primary malignant gastric lymphomas] Pomata M, et al. **Ann Ital Chir** 1983; 55(4):345–58 (Eng. Abstr.) **(Ita)**

[A case of glomus tumor of the stomach] Perrone G, et al. **Clin Ter** 1983 Sep 15;106(5):391–4 (Eng. Abstr.) **(Ita)**

[Significance of blood carcinoembryonic antigen (CEA) in the diagnosis and follow-up of tumors of the stomach and large intestine] Lorusso D, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):191–6 (Eng. Abstr.) **(Ita)**

[Gastric pseudolymphoma. Apropos of 2 case reports] Malerba M, et al. **Minerva Dietol Gastroenterol** 1984 Jan–Mar;30(1):43–8 (Eng. Abstr.) **(Ita)**

[Endoscopic and histobioptic study of 126 patients with gastric resection for peptic ulcer] Spisni R, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):117–20 (Eng. Abstr.) **(Ita)**

[Reproducibility of Laurén's classification in the diagnosis of gastric cancer] Amorosi A, et al. **Pathologica** 1983 Nov–Dec;75(1040):813–8 (Eng. Abstr.) **(Ita)**

[Paraneoplastic neurologic syndromes. Clinical and neuropathologic study of 3 cases] de Romanis F, et al. **Riv Neurol** 1983 Jul–Aug;53(4):265–79 (Eng. Abstr.) **(Ita)**

[Case of early malignant lymphoma scattered over the whole stomach] Aoki D, et al. **Gan No Rinsho** 1983 Aug; 29(9):1017–20 (Eng. Abstr.) **(Jpn)**

[A case report of primary double cancer of the stomach and choledochus] Kamachi M, et al. **Gan No Rinsho** 1984 Jan; 30(1):81–5 (Eng. Abstr.) **(Jpn)**

[A case of multicentric early carcinoma of the stomach—preoperative diagnosis] Kamiya T, et al. **Gan No Rinsho** 1984 Mar;30(3):296–300 (Eng. Abstr.) **(Jpn)**

[Determination of aldolase A by radioimmunoassay. Experimental and clinical studies on the diagnosis of cancer of the digestive tract] Tanaka H. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):363–75 (Eng. Abstr.) **(Jpn)**

[Evaluation of abdominal ultrasonography in cases with esophageal and gastric cancer. Detection of metastasized lymph nodes surrounding the celiac axis] Yoshinaka H. **Igaku Kenkyu** 1983 Nov;53(5):247–65 (Eng. Abstr.) **(Jpn)**

[Progress in diagnosis of alimentary tract cancer] Sakita T. **Nippon Naika Gakkai Zasshi** 1983 Nov;72(11):1502–18 **(Jpn)**

[Determination of the depth of cancerous involvement in early stomach cancer by ultrasonic endoscopy] Yamanaka T. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1222 **(Jpn)**

[Malignant neoplasms of the digestive tract in pregnancy] Knopiński S, et al. **Ginekol Pol** 1984 Mar;55(3):221–4 (Eng. Abstr.) **(Pol)**

[3 cases of accessory pancreas] Leksowski K, et al. **Pol Tyg Lek** 1983 Dec 12;38(50):1575–6 (Eng. Abstr.) **(Pol)**

[Suggestions following the evaluation of the current incidence and diagnosis of stomach cancer in Szczecin] Marlicz K, et al. **Pol Tyg Lek** 1984 Feb 6;39(6):177–9 (Eng. Abstr.) **(Pol)**

[Evaluation of methods in the early detection of stomach cancer] Popiela T, et al. **Pol Tyg Lek** 1984 Feb 6; 39(6):173–5 **(Pol)**

[Case of focal lymphatic hyperplasia (pseudolymphoma) of gastric mucosa] Badowski A, et al. **Wiad Lek** 1983 Oct 15;36(20):1731–5 (Eng. Abstr.) **(Pol)**

[Early cancer in a patient with stomach ulcer] Milewski J, et al. **Wiad Lek** 1984 Jan 15;37(2):152–4 (Eng. Abstr.) **(Pol)**

[Malignant lymphoma of the stomach and small intestine] Przystasz T, et al. **Wiad Lek** 1983 Aug 1;36(15):1229–35 (Eng. Abstr.) **(Pol)**

[Case of neurofibrosarcoma of the stomach] Wójcik A, et al. **Wiad Lek** 1983 Apr 15;36(8):671–3 (Eng. Abstr.) **(Pol)**

[Pseudoneoplastic gastric deformity in acute recurrent pancreatitis] Wójcik Z, et al. **Wiad Lek** 1983 Nov 15; 36(22):1891–3 (Eng. Abstr.) **(Pol)**

[The relation between adenomatous gastric polyp and gastric cancer. Problems of diagnosis and treatment] Funariu G, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):371–6 (Eng. Abstr.) **(Rum)**

[Endoscopic cytology as an aid in the diagnosis of esogastric neoplasms] Mocanu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):625–6 (Eng. Abstr.) **(Rum)**

[The diagnosis of incipient gastric cancer] Pascu O, et al. **Rev Med Interna [Med Interna]** 1984 Mar–Apr;36(2):123–30 (Eng. Abstr.) **(Rum)**

[Diagnosis and surgical treatment of early forms of stomach cancer] Chernousov AF, et al. **Khirurgiia (Mosk)** 1983 Aug; (8):100–4 (Eng. Abstr.) **(Rus)**

[Pseudolymphomas of the stomach] Matveev NK, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):15–8 (Eng. Abstr.) **(Rus)**

[The aberrant pancreas] Mitasov IG, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):132–3 **(Rus)**

[Differential diagnosis of cancer and benign lesions of the stomach] Mysh GD, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):6–9 (Eng. Abstr.) **(Rus)**

[Prolapsing gastric polyps] Petrov MN, et al. **Klin Med (Mosk)** 1984 Feb;62(2):85–8 (Eng. Abstr.) **(Rus)**

[Giant benign tumors of the abdominal cavity (desmoid and leiomyoma of the stomach) and the clinical possibilities for their diagnosis] Minushkin ON, et al. **Ter Arkh** 1983; 55(10):29–31 (9 ref.) **(Rus)**

[Inflammatory stomach pseudotumor mimicking cancer] Krasnokutskiĭ IuA. **Vestn Khir** 1983 Jul;131(7):77–8 **(Rus)**

[Posttraumatic cicatricial deformity of the stomach mistaken for a tumor] Podolian SA, et al. **Vestn Khir** 1984 Jul; 132(7):118–9 **(Rus)**

[Ectopic pancreas in the digestive tract] Sen'ko VP. **Vestn Khir** 1984 Jan;132(1):76–7 **(Rus)**

[Current possibilities of the clinico-roentgenoendoscopic diagnosis of endophytic gastric cancer] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):5–11 (Eng. Abstr.) **(Rus)**

[Activity of various intracellular enzymes of the gastric mucosa in chronic gastritis and tumors] Bezrodnykh AA, et al. **Vopr Onkol** 1983;29(12):31–5 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis and treatment of stomach cancer] Chissov VI, et al. **Vopr Onkol** 1984;30(1):45–52 (Eng. Abstr.) **(Rus)**

[Modifying action of autologous blood serum in the leukocyte adherence inhibition test in stomach cancer] Kutrenkov OA, et al. **Vopr Onkol** 1984;30(7):81–5 (Eng. Abstr.) **(Rus)**

[Endoscopic diagnosis of oncological diseases of the esophagus and stomach] Butenko AT, et al. **Vrach Delo** 1983 Jun;(6):62–5 (Eng. Abstr.) **(Rus)**

[Cimetidine and gastric cancer (letter)] Rodrigo Rodríguez M, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):367 **(Spa)**

[Gastric pseudolymphomas] Domingo Garcia P, et al. **Rev Esp Enferm Apar Dig** 1984 Feb;65(2):136–40 (Eng. Abstr.) **(Spa)**

[Early gastric carcinoma: study of 15 cases] Rodrigo Saez L, et al. **Rev Esp Enferm Apar Dig** 1984 Apr;65(4):335–42 (Eng. Abstr.) **(Spa)**

[Gastric schwannoma: apropos of a case] Targarona Soler EM, et al. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):230–4 (Eng. Abstr.) **(Spa)**

[Review of 40 cases of incipient gastric cancer. Clinical and histopathologic analysis] Medina L, et al. **Rev Med Chil** 1983 Jan;111(1):36–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Randomized study of combination chemotherapy in unresectable gastric cancer. The Gastrointestinal Tumor Study Group. **Cancer** 1984 Jan 1;53(1):13–7

Chemotherapy of disseminated gastric cancer. A joint effort of the Northern California Oncology Group and the Japanese Gastric Cancer Chemotherapy Group. Friedman MA, et al. **Cancer** 1983 Nov 15;52(10):1771–7

Postoperative adjuvant chemotherapy for gastric carcinoma. Analysis of data on 1805 patients followed for 5 years. Inokuchi K, et al. **Cancer** 1984 Jun 1;53(11):2393–7

Cisplatin. An active drug in the treatment of disseminated gastric cancer. Leichman L, et al. **Cancer** 1984 Jan 1; 53(1):18–22

5-fluorouracil, adriamycin, and BCNU (FAB) combination chemotherapy for advanced gastric cancer. Lopez M, et al. **Cancer Chemother Pharmacol** 1984;12(3):194–7

Phase II trial of vindesine in advanced gastric cancer. Kenny JB, et al. **Cancer Treat Rep** 1983 Jan;67(1):89–90

Endoscopic local injection of early gastric carcinoma with 5-fluorouracil. Kuwayama H, et al. **Dig Dis Sci** 1984 Jun; 29(6):498–501

Destruction of implanted gastric tumors in rats by acridine orange photoactivation with an argon laser. Tatsuta M, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):543–52

Endoscopic intramural injection of anti-neoplastic emulsion. Ohta H, et al. **Gann** 1984 Jul;75(7):641–9

Survival and cell cycle kinetics responses of Chinese hamster ovary cells, and clones of human adenocarcinoma of the stomach and astrocytoma to diaziquone (AZQ) in vitro. Barranco SC, et al. **Invest New Drugs** 1983;1(1):11–9

Drug combinations in the treatment of gastric adenocarcinoma: a randomized Southwest Oncology Group study. Panettiere FJ, et al. **J Clin Oncol** 1984 May; 2(5):420–4

Photodynamic effects of exposure to hematoporphyrin derivatives and dye-laser radiation on human gastric adenocarcinoma cells. Tatsuta M, et al. **JNCI** 1984 Jul; 73(1):59–67

Clinical evaluation of prolonged chemotherapy combined with induction of hepatic drug-metabolizing enzymes as an adjuvant for treating patients with gastric cancer. Fujimoto S, et al. **Jpn J Surg** 1983 Nov;13(6):486–92

Effects of Levamisole in adjuvant immunochemotherapy for gastric cancer; a prospective randomized controlled study. Hattori T, et al. **Jpn J Surg** 1983 Nov;13(6):480–5

Combination chemotherapy enhances survival of patients with unresectable gastric cancer. Kano T, et al. **Jpn J Surg** 1983 Sep;13(5):409–14

Preoperative 'basal' chemotherapy in the management of cancer of the stomach. Stephens FO, et al. **Med J Aust** 1984 Feb 4;140(3):143–7

Chemotherapy of advanced gastric cancer with 72-hour continuous intravenous 5-fluorouracil infusion at 2-week intervals. Shah A, et al. **Med Pediatr Oncol** 1983; 11(5):358–60

Clinical experience in the use of intra-arterial infusion chemotherapy in the treatment of cancers in the head and neck, the extremities, the breast and the stomach. Stephens FO. **Recent Results Cancer Res** 1983;86:122–7

FAM2 regimen in disseminated gastric cancer. Fornasiero A, et al. **Tumori** 1984 Feb 29;70(1):77–80

A retrospective study of FAM regimen in 38 patients with advanced gastric cancer. Ridolfi R, et al. **Tumori** 1984 Aug 31;70(4):375–9

[Combination of traditional Chinese medicine and western medicine in the treatment of stomach cancer] Zhang DZ. **Chung Hua Chung Liu Tsa Chih** 1983 Sep;5(5):396–8 **(Chi)**

[Prospective randomized study in advanced stomach cancer. Comparison between combinations of 5-fluorouracil and carmustine without and with adriamycin] Queisser W, et al. **Dtsch Med Wochenschr** 1984 Jun 22;109(25):976–80 (Eng. Abstr.) **(Ger)**

[Morphometric evaluation of nuclear size of transplantable gastric adenocarcinoma (SG2B) after antineoplastic agent administration] Furukawa F, et al. **Eisei Shikenjo Hokoku** 1983;(101):66–70 (Eng. Abstr.) **(Jpn)**

[Experimental chemotherapy of human gastrointestinal and breast cancers in nude mice and its correlation to clinical effect] Fujita M, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1168–74 (Eng. Abstr.) **(Jpn)**

[A case of advanced gastric cancer which disappeared histopathologically after short-time chemotherapy] Hara K, et al. **Gan No Rinsho** 1984 Apr;30(4):399–402 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of unresectable Borrmann type 4 gastric cancer] Izumi T, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):710–6 (Eng. Abstr.) **(Jpn)**

[Sex hormone dependency in diffuse carcinoma of the stomach and results of chemo-endocrine therapy] Kitaoka H. **Gan No Rinsho** 1984 May;30(6 Suppl):741–8 (Eng. Abstr.) **(Jpn)**

[Conditions suitable for the adjuvant chemotherapy of gastric cancer] Nakajima T, et al. **Gan No Rinsho** 1983 Aug; 29(10):1229–36 (Eng. Abstr.) **(Jpn)**

[Conditions suitable for chemotherapy of gastric cancer] Nakao I. **Gan No Rinsho** 1983 Aug;29(10):1217–22 (Eng. Abstr.) **(Jpn)**

[Evaluation of chemotherapy for resected stomach cancer: second-look operation] Niimoto M, et al. **Gan No Rinsho** 1983 Aug;29(10):1274–8 (Eng. Abstr.) **(Jpn)**

[Sensitivity test of anticancer agents using human tumor xenografts in nude mice with special reference on correlation between clinical effects and chemotherapy] Nosoh Y, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1181–5 (Eng. Abstr.) **(Jpn)**

[Treatment of recurrent gastrointestinal cancer] Taguchi T. **Gan No Rinsho** 1983 Aug;29(10):1058–62 (Eng. Abstr.) **(Jpn)**

[Analysis of factors affecting clinical cancer chemotherapy] Wakui A, et al. **Gan No Rinsho** 1983 Aug;29(10):1199–204 (Eng. Abstr.) **(Jpn)**

[Chemotherapy for advanced stomach cancer — a controlled study of AF and MF] **Gan To Kagaku Ryoho** 1983 Oct; 10(10):2171–8 (Eng. Abstr.) **(Jpn)**

[Randomized study on the long-term adjuvant chemotherapy with ftorafur and mitomycin C for stomach cancer: second report.] Abe O, et al. **Gan To Kagaku Ryoho** 1983 Nov; 10(11):2408–17 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy of CIS-diamminedichloroplatinum (II) and fluoropyrimidine derivatives for advanced gastric cancer: a preliminary report] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1248–52 (Eng. Abstr.) **(Jpn)**

[Combined therapy with polyamine biosynthesis inhibitors and mitomycin C] Fujimoto S, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1257–62 (Eng. Abstr.) **(Jpn)**

[Combined antitumor therapy with polyamine biosynthesis inhibitors and mitomycin C] Fujimoto S, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2347–52 (Eng. Abstr.) **(Jpn)**

[Effects of 5'-deoxy-5-fluorouridine on human gastrointestinal and breast cancers xenografted to nude mice] Fujita F, et al. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1635–43 (Eng. Abstr.) **(Jpn)**

[Pre-operative endoscopic infusions of an adsorbent containing mitomycin C (MMC-CH44) in stomach cancer] Hagiwara A, et al. **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2558–64 (Eng. Abstr.) **(Jpn)**

[Effect of bestatin on immuno-suppressive acidic protein in patients with stomach cancer] Ishii T, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1585–90 (Eng. Abstr.) **(Jpn)**

[Sex hormone dependency and endocrine therapy in diffuse carcinoma of the stomach] Kitaoka H. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2453–60 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of unresectable Borrmann's type IV stomach cancer] Kurihara M, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2468–77 (Eng. Abstr.) **(Jpn)**

[Preoperative immunochemotherapy for gastric cancer combined with perifocal administration of OK-432] Mukai M, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1071–7 (Eng. Abstr.) **(Jpn)**

[A randomized study on the long-term adjuvant chemotherapy with ftorafur and mitomycin C for gastric cancer: the second study (III)] Muto T, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1863–70 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of Borrmann's type IV diffuse carcinoma of the stomach] Suga S, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2478–84 (Eng. Abstr.) **(Jpn)**

[Adjuvant chemotherapy for gastric cancer—relation between long-term administration of FT-207 and prognosis] Tanaka T, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):130–7 (Eng. Abstr.) **(Jpn)**

[Narcotic dependency in patients with cancer pain treated with epidural morphine] Ochi G, et al. **Masui** 1983 Jun; 32(6):758–63 (Eng. Abstr.) **(Jpn)**

[Determination of the effects of antineoplastic agents using a canine stomach—evaluation of an antineoplastic polysaccharide, schizophyllan (SPG)] Kawai K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1135–9 (Eng. Abstr.) **(Jpn)**

[Palliative arterial infusion chemotherapy for unresectable advanced gastric cancer] Uchino A, et al. **Rinsho Hoshasen** 1984 Mar;29(3):373–5 (Eng. Abstr.) **(Jpn)**

[2 cases of successful treatment of gastric lymphoma by means of polychemotherapy] Borisov VI, et al. **Sov Med** 1984;(3):118–9 **(Rus)**

[Chronopharmacological basis for the therapy of water-salt imbalance in patients with stomach cancer] Zhivetskiĭ AV, et al. **Vopr Onkol** 1984;30(7):75–80 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Placental type alkaline phosphatase in possibly premalignant alterations of human gastric mucosa. Kralovánszky J, et al. **Oncology** 1984;41(3):189–94

Activity of some lysosomal enzymes in neutrophils from peripheral blood of patients with digestive tract cancer at different clinical stages of the disease. A cytochemical study. Sulowicz W. **Rev Esp Oncol** 1981;28(4):509–14

[Liver enzyme activity before and after surgical treatment of stomach cancer] Aleksandrovich GL, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):18–21 (Eng. Abstr.) **(Rus)**

[Double enzyme immunodiffusion method for detecting pepsinogen-pepsin] Kalinovskiĭ VP, et al. **Lab Delo** 1983; (10):14–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Risk factors for development of primary cancer in the gastric stump. Intragastric nitrites and nitroso-compounds after surgery for duodenal ulcer. Sturniolo G, et al. **Acta Chir Scand** 1983;149(6):591–6

Risk of gastric cancer after Billroth II resection for duodenal ulcer. Fischer AB, et al. **Br J Surg** 1983 Sep;70(9):552–4

Cancer of the stomach after gastric surgery [letter] Davaris P, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):763

Adenocarcinoma of the stomach following irradiation and chemotherapy for lymphoma in young patients. Brumback RA, et al. **Cancer** 1984 Sep 15;54(6):994–8

A prospective study on primary gastric stump cancer following partial gastrectomy for benign gastroduodenal diseases. Tokudome S, et al. **Cancer Res** 1984 May; 44(5):2208–12

Cholecystectomy as a risk factor for gastric cancer. A cohort study. Gustavsson S, et al. **Dig Dis Sci** 1984 Feb; 29(2):116–20

Risk of stomach cancer after gastric surgery for benign conditions. A case-control study. Sandler RS, et al. **Dig Dis Sci** 1984 Aug;29(8):703–8

Multiple gastric tumors—Crohn's disease. Fischbach W, et al. **Endoscopy** 1984 Jul;16(4):154–6

The operated stomach is not a precancerous condition [letter] Franzin G, et al. **Endoscopy** 1984 Mar;16(2):81–2

Role of nitrosation in the mutagenic activity of coal dust: a postulation for gastric carcinogenesis in coal miners. Whong WZ, et al. **Environ Res** 1983 Dec;32(2):298–304

A cohort study on the possible association between broiled fish intake and cancer. Ikeda M, et al. **Gann** 1983 Oct; 74(5):640–8

The influence of gastro-jejunal anastomosis on gastric carcinogenesis in rats. Kondo K, et al. **Gann** 1984 Apr; 75(4):362–9

Lymphoma of the stomach following gastric surgery for benign peptic ulcers. Ghahremani GG, et al. **Gastrointest Radiol** 1983;8(3):213–7

Intragastric N-nitrosation is unlikely to be responsible for gastric carcinoma developing after operations for duodenal ulcer. Keighley MR, et al. **Gut** 1984 Mar;25(3):238–45

Effects of atrophic changes in mucosa and endogenous gastrin (hypergastrinemia) on development of experimental gastric cancer and its growth in rats: a pilot study. Kishimoto S, et al. **Hiroshima J Med Sci** 1983 Jun; 32(2):213–8

Gastric carcinoma following partial gastrectomy for benign disease. Leblanc KA, et al. **J La State Med Soc** 1984 Jul; 136(7):21–2

Possible role of duodenogastric reflux on the development of remnant gastric carcinoma induced by N-methyl-N'-nitro-N-nitrosoguanidine in rats. Nishidoi H, et al. **JNCI** 1984 Jun;72(6):1431–5

Association between biliary tract cancer and gastric cancer [letter] Caygill C, et al. **Lancet** 1983 Nov 19;2(8360):1204–5

Gastric cancer after gastric surgery: an increasing problem in Norway [letter] Lund E. **Lancet** 1983 Oct 22;2(8356):973

The role of the lung in stomach carcinogenesis: a revision of the Meyer hypothesis. Gamble JF, et al. **Med Hypotheses** 1983 Jul;11(3):359–64

Gastric cancer in coal miners: an hypothesis of coal mine dust causation. Ong TM, et al. **Med Hypotheses** 1983 Oct; 12(2):159–65

Promoting effect of partial gastrectomy on carcinogenesis in the remnant stomach of rats after oral administration of N-methyl-N'-nitro-N-nitrosoguanidine. Sano C, et al. **Oncology** 1984;41(2):124–8

The operated stomach: a premalignant condition? A prospective endoscopic follow-up study. Offerhaus GJ, et al. **Scand J Gastroenterol** 1984 Jun;19(4):521–4

The cancer risk in the stomach subjected to nonresecting procedures. An experimental long-term study. Langhans P, et al. **Scand J Gastroenterol [Suppl]** 1984;92:138–41

Time of onset of carcinoma of the stomach following surgical treatment of duodenal ulcer. Totten J, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):431–3

Gastric plasmacytoma and multisystem autoimmune disease. Nasu M, et al. **Virchows Arch [A]** 1984;404(1):109–15

Follow-up study on the cause of death after surgery for gastric and duodenal ulcers with special reference to the incidence of residual stomach cancer. Koga S, et al. **Zentralbl Chir** 1984;109(12):791–6

[Late postoperative complications in stomach and duodenal ulcers] Deredzhian A. **Khirurgiia (Sofiia)** 1983;36(1):17–23 (Eng. Abstr.) **(Bul)**

[Carcinoma of the gastric stump] **Chung Hua Chung Liu Tsa Chih** 1983 Jul;5(4):305–7 (Eng. Abstr.) **(Chi)**

[Bacteriologic study on gastric juice of patients with chronic gastritis in areas with high and low risk of stomach cancer—a preliminary report] Li SN. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):33–6 (Eng. Abstr.) **(Chi)**

[Is the resected stomach a premalignant condition?] Offerhaus GJ, et al. **Ned Tijdschr Geneeskd** 1983 Nov 19; 127(47):2127–32 (Eng. Abstr.) **(Dut)**

[Carcinoma with premalignant changes in stomach biopsies of patients having undergone a stomach operation more than 15 years ago] van de Stadt J, et al. **Ned Tijdschr Geneeskd** 1984 Mar 31;128(13):606–11 (Eng. Abstr.) **(Dut)**

[Cancer of the gastric stump after surgery for benign ulcers]

Gianello P, et al. **Acta Gastroenterol Belg** 1983 Jan–Feb; 46(1–2):27–38 (Eng. Abstr.) **(Fre)**

[Carcinoma in the operated stomach of the rat—a tumor model] Dittrich S, et al. **Arch Geschwulstforsch** 1984; 54(1):33–40 (Eng. Abstr.) **(Ger)**

[Hyperplasiogenic gastric polyps and stomach cancer. Endoscopic findings of early stomach cancer in 3 out of 42 biopsies of hyperplasiogenic polyps] Möckel W. **Fortschr Med** 1984 Jun 21;102(23):635–8 (Eng. Abstr.) **(Ger)**

[Gastric stump cancer—a resection cancer?] Amgwerd R, et al. **Helv Chir Acta** 1984 Apr;51(1):41–5 (Eng. Abstr.) **(Ger)**

[The stomach after resection. Histologic findings and risk factors. Preliminary results in a personal caseload] Bechi P, et al. **Minerva Chir** 1983 Nov 15;38(21):1843–5 **(Ita)**

[Cancer of the stomach operated on for peptic ulcer. 10 cases observed in 185 gastric cancer patients] Briglia R, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1131–4 (Eng. Abstr.) **(Ita)**

[Relationship between gastritis and carcinoma in the operated stomach] Dominici C, et al. **Minerva Chir** 1984 Apr 15; 39(7):453–7 (Eng. Abstr.) **(Ita)**

[Diagnostic and therapeutic aspects of cancer of the thoracic esophagus and of the cardia in patients undergoing gastric resection for ulcers] Goffrini PA, et al. **Minerva Chir** 1984 Apr 15;39(7):473–80 (Eng. Abstr.) **(Ita)**

[Cancer of the gastric stump: a true or false problem?] Li Voti P. **Minerva Chir** 1983 Oct 31;38(20):1643–8 **(Ita)**

[Aging and development, growth and spreading of cancer] Kanisawa M, et al. **Gan No Rinsho** 1983 Aug; 29(10):1136–42 (Eng. Abstr.) **(Jpn)**

[Nutrition and cancer] Tsukada Y. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):333–7 **(Jpn)**

[Intestinal metaplasia and stomach cancer] Mojska H, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1489–91 (25 ref.) **(Pol)**

[Cancer of the surgically-treated stomach] Kapatsinskii EV, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):127–30 (63 ref.) **(Rus)**

[Primary cancer after gastrectomy] Klimenkov AA, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):68–73 (Eng. Abstr.) **(Rus)**

[Pathology of the gastric stump] Petrov VP, et al. **Vestn Khir** 1984 May;132(5):29–32 (Eng. Abstr.) **(Rus)**

[Malignant transformation of chronic stomach ulcer] Vinner MG, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):13–7 (Eng. Abstr.) **(Rus)**

[Postvagotomy gastric cancer] Zaragosí Moliner J, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):55–61 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Trisomy X as a possible initial chromosome change in a gastric cancer. Ochi H, et al. **Cancer Genet Cytogenet** 1984 May;12(1):57–61

The development of atrophic gastritis in antrum and body in relatives of gastric carcinoma patients and in controls. Kekki M, et al. **Hepatogastroenterology** 1984 Apr;31(2):76–9

[Gastroduodenal adenomatous lesions in familial diffuse polyposis] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1984 Jan–Mar;30(1):49–53 (Eng. Abstr.) **(Ita)**

[Familial juvenile polyposis of the stomach and large intestine] Kurihara Y, et al. **Rinsho Hoshasen** 1980 Dec; 25(13):1389–95 (Eng. Abstr.) **(Jpn)**

HISTORY

Trousseau's phenomenon [letter] Stolinsky DC. **Blood** 1983 Dec;62(6):1304

IMMUNOLOGY

Gastric lymphoreticular neoplasms: an immunologic study of 36 cases. Vimadalal SD, et al. **Am J Clin Pathol** 1983 Dec;80(6):792–9

Characterization of cell-mediated immunity in long-term survivors of gastric or colorectal cancer. Machado IV, et al. **Am J Surg** 1984 Mar;147(3):334–8

Carcinoembryonic antigen (CEA) expression and heterogeneity in primary and autologous metastatic gastric tumours demonstrated by a monoclonal antibody. Hockey MS, et al. **Br J Cancer** 1984 Feb;49(2):129–33

IgM-producing gastric plasmacytoma. Funakoshi N, et al. **Cancer** 1984 Aug 15;54(4):638–43

Concanavalin A-induced and spontaneous suppressor cell activities in peripheral blood lymphocytes and spleen cells from gastric cancer patients. Toge T, et al. **Cancer** 1983 Nov 1;52(9):1624–31

Immunohistochemistry of two glycolipid tissue antigens in human gastric carcinoma. Wang SM, et al. **Cancer** 1983 Dec 1;52(11):2072–6

Fetal gastric and small intestine pattern of intestinal mucus antigens in human gastric carcinomas. Nardelli J, et al. **Cancer Res** 1984 Sep;44(9):4157–63

A monoclonal antibody, CSTO-1, against a stomach adenocarcinoma-associated antigen. Togashi H, et al. **Cancer Res** 1984 Sep;44(9):3952–6

Ascorbic acid inhibition of 3-methylcholanthrene induced carcinoma of glandular stomach in mice. Wang XH, et al. **Chin Med J [Engl]** 1984 Mar;97(3):215–22

Induction of suppressor cell activities in normal lymphocytes by sera from gastric cancer patients. Toge T, et al. **Clin Exp Immunol** 1983 Oct;54(1):80–6

Stage-related correlations between immunoglobulins and complement components in preoperative sera from patients with gastric carcinoma. Janssen CW Jr, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1601–5

Distribution of blood group antigens and CA 19-9 in gastric cancers and non-neoplastic gastric mucosa. Hirohashi S, et al. **Gann** 1984 Jun;75(6):540–7

Correlation between carcinoembryonic antigen in gastric cancer tissue and survival of patients with gastric cancer. Kojima O, et al. **Gann** 1984 Mar;75(3):230–6

Carcinoembryonic antigen production in human gastric cancer cell lines in vitro and in nude mice. Motoyama T, et al. **Gann** 1983 Oct;74(5):679–86

A monoclonal antibody reactive with gastric carcinoma. Sekine T, et al. **Gann** 1984 Feb;75(2):106–8

Secretory component and immunoglobulin in human gastric carcinoma: an immunohistochemical study. Sumiyoshi H, et al. **Gann** 1984 Feb;75(2):166–76

Immunoassessment of patients with gastric cancer. Using leukocyte migration inhibition (LMI) test. Kojima O, et al. **Gastroenterol Jpn** 1983 Aug;18(4):303–9

A case of selective IgM deficiency: isotype-specific suppressor T lymphocytes. Matsushita S, et al. **Jpn J Med** 1984 May;23(2):149–51

Immunoreactive carcinoembryonic antigen in gastric juice in patients with gastric cancer. Kojima O, et al. **Jpn J Surg** 1983 Jul;13(4):324–30

Acquired B antigen and polyagglutination in a patient with gastric cancer. Matsushita S, et al. **Jpn J Surg** 1983 Nov; 13(6):540–2

Fetal antigens in the precursor stages of gastric cancer. Higgins PJ, et al. **Oncology** 1984;41(2):73–6

[Parietal cell antibodies and stomach cancer] Reitzig P, et al. **Arch Geschwulstforsch** 1983;53(4):341–4 (Eng. Abstr.) **(Ger)**

[A case of extramedullary plasmacytoma of the stomach] Fujino R, et al. **Gan No Rinsho** 1984 Jan;30(1):70–4 (Eng. Abstr.) **(Jpn)**

[Mucohistochemical studies of CEA producing and non-producing stomach cancers] Iguchi K, et al. **Gan No Rinsho** 1983 Aug;29(9):971–80 (Eng. Abstr.) **(Jpn)**

[Clinical study on tissue polypeptide antigen (TPA) as a tumor marker] Kanauchi M, et al. **Gan No Rinsho** 1984 Mar;30(3):265–71 **(Jpn)**

[Culture of TCGF-dependent immunosuppressor T cells in gastric cancer patients and phenotypic characterization of the cell surface, using monoclonal antibodies and a fluorescence-activated cell sorter (FACS)] Koyama S, et al. **Gan No Rinsho** 1984 Jul;30(8):912–24 (Eng. Abstr.) **(Jpn)**

[A monoclonal antibody reactive with scirrhous carcinoma of the stomach] Sekine T. **Gan No Rinsho** 1984 May;30(6 Suppl):552–7 (Eng. Abstr.) **(Jpn)**

[Significance of human Tr cell in gastric cancer —with special reference to suppressor cell activity] Itagaki E, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):123–9 (Eng. Abstr.) **(Jpn)**

[Skin sensitization of costus root oil and peripheral lymphocyte count in gastric and colon cancers] Takanami I, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):81–6 (Eng. Abstr.) **(Jpn)**

[Augmentation of NK activity in peripheral blood lymphocytes of cancer patients by intermittent GE-132 administration] Tanaka N, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1303–6 (Eng. Abstr.) **(Jpn)**

[NK activity, TCGF production and generation of cell-mediated cytotoxicity in spleen cells from gastric cancer patients] Akiyoshi T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):957–60 (Eng. Abstr.) **(Jpn)**

[Suppression of immunological response by ascitic fluid from gastrointestinal cancer patients] Amemiya K. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1229–36 (Eng. Abstr.) **(Jpn)**

[Immunological significance of splenectomy in gastric cancer surgery. Production of immunosuppressive factor in the spleen] Kanayama H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):952–6 (Eng. Abstr.) **(Jpn)**

[Possible substances which block the rosette formation of peripheral lymphocyte Fc receptor to sensitized corpuscle (EA) in the serum of patients with gastric and colon cancer] Kaneko H. **Nippon Geka Gakkai Zasshi** 1983 Dec; 84(12):1259–68 (Eng. Abstr.) **(Jpn)**

[Significance of splenectomy in the treatment of cancer] Kumashiro R, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):978–81 (Eng. Abstr.) **(Jpn)**

Effect of splenic mononuclear cells on autochthonous peripheral blood lymphocyte responses to mitogens in gastric cancer patients] Kurosu Y, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):965–9 (Eng. Abstr.) **(Jpn)**

[Distribution of lymphocyte subpopulation and natural killer activity in gastric cancer tissue, normal stomach and various tissues of gastric cancer patients] Moritani Y. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):132–42 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical localization of carcinoembryonic antigen (CEA) in gastric cancer—a comparative study between tissue CEA and plasma CEA] Nishida H. **Nippon Geka Gakkai Zasshi** 1983 Apr;84(4):328–35 (Eng. Abstr.) **(Jpn)**

[Nonspecific cell-mediated immunity in gastric cancer patients - with special reference to immuno-reactivity of the regional lymph node and preoperative immunotherapy] Takeshita M. **Nippon Geka Gakkai Zasshi** 1983 Aug; 84(8):679–91 (Eng. Abstr.) **(Jpn)**

[Analysis of suppressor cell activities in spleen cells from gastric cancer patients and the effect of splenectomy on prognosis of gastric cancer] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):961–4 (Eng. Abstr.) **(Jpn)**

[Evaluation of splenectomy and possible metastasis from gastric cancer, with reference to nonspecific immunological parameters and postoperative survival] Yoshino K, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):947–51 (Eng. Abstr.) **(Jpn)**

[Case of adenosquamous carcinoma of the stomach showing Borrmann 4 type and elevated serum CEA] Fujitomi Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun; 80(6):1327–30 **(Jpn)**

[Clinical significance of intrinsic factor antibody in gastric and various other disease] Kurokawa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):926 **(Jpn)**

[Immunologic characteristics of 'reorganization' gastritis] Ostrovskii AB. **Klin Med (Mosk)** 1983 Jul;61(7):45–9 (Eng. Abstr.) **(Rus)**

[Carcinoembryonic antigen in the evaluation of the efficacy of the surgical treatment of stomach cancer and prognosis of the disease] Gitel'man LG, et al. **Vopr Onkol** 1984; 30(1):52–6 (Eng. Abstr.) **(Rus)**

[Characteristics of antitumor immunity in different forms of chronic gastritis] Ostrovskii AB. **Vopr Onkol** 1984; 30(7):70–4 (Eng. Abstr.) **(Rus)**

METABOLISM

The detection of serotonin and gastrin in gastric carcinoma. Lei DN, et al. **Am J Clin Pathol** 1983 Oct;80(4):436–40

The relationship between gastric carcinoma and gastric juice lactate (L + D) and lactate dehydrogenase. Armstrong CP, et al. **Am J Gastroenterol** 1984 Sep;79(9):675–8

Gastric inhibitory peptide (GIP), pancreatic glucagon and vasoactive intestinal peptide (VIP) are cAMP-inducing hormones in the human gastric cancer cell line HGT-1. Homologous desensitization of VIP receptor activity. Gespach C, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):641–9

Influence of fixed fibroblasts on glycosaminoglycan synthesis of human gastric carcinoma cells in vitro. Sobue M, et al. **Exp Cell Res** 1983 Dec;149(2):527–34

Characterization of glycoconjugates of human gastrointestinal mucosa by lectins. I. Histochemical distribution of lectin binding sites in normal alimentary tract as well as in benign and malignant gastric neoplasms. Fischer J, et al. **J Histochem Cytochem** 1984 Jul;32(7):681–9

Characterization of glycoconjugates of human gastrointestinal mucosa by lectins. II. Lectin binding to the isolated glycoproteins of normal and malignant gastric mucosa. Fischer J, et al. **J Histochem Cytochem** 1984 Jul; 32(7):690–6

Gamma interferon production by peripheral blood lymphocytes in patients with gastric cancer. Kusugami K, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):117–23

Intragastric bile acid and lysolecithin in gastroduodenal ulcer and gastric cancer. Schumpelick V, et al. **Scand J Gastroenterol [Suppl]** 1984;92:172–7

Plasma zinc and jejunal mucosal zinc in gastric carcinoma. Elmes ME, et al. **Sci Total Environ** 1984 Mar 1; 34(1–2):49–56

Glicentin-containing cells in intestinal metaplasia, adenoma and carcinoma of the stomach. Ito H, et al. **Virchows Arch [A]** 1984;404(1):17–29

Distribution of collagen types I and III and basal lamina in human gastric carcinoma: an immunohistochemical and electron microscopic study. Yamamoto M, et al. **Virchows Arch [A]** 1984;403(4):313–22

Promotion of collagen production by human fibroblasts with gastric cancer cells in vitro. Naito Y, et al. **Virchows Arch [Cell Pathol]** 1984;46(1–2):145–54

[Quantitative variations of glycosaminoglycans in precancerous and cancerous lesions of the stomach] Gnavi M, et al. **Minerva Dietol Gastroenterol** 1984 Jan–Mar; 30(1):27–30 (Eng. Abstr.) **(Ita)**

[AFP producing stomach cancer—a study of transplanted tumor in nude mice] Takahashi Y, et al. **Gan No Rinsho** 1984 Jul;30(8):907–11 (Eng. Abstr.) **(Jpn)**

[Study on the concentration of FT-207 and 5-FU in serum, lymph nodes and tissues after administration of FT-207 suppositories] Kumazawa H, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1655–62 (Eng. Abstr.) **(Jpn)**

[Influence of PSK on the metabolism of FT-207] Maehara Y, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1843–7 (Eng. Abstr.) **(Jpn)**

[The effects of gastrointestinal hormones on the growth and protein synthesis of gastric carcinomas] Yamaguchi T, et al. **Nippon Geka Gakkai Zasshi** 1983 May;84(5):418–23 (Eng. Abstr.) **(Jpn)**

[Case of advanced gastric cancer with remakable gynecomastia and marked elevation of serum human chorionic gonadotropin (HCG)] Senju M, et al.

Nippon Shokakibyo Gakkai Zasshi 1983 Jun;80(6):1331–5 **(Jpn)**

[Balance of carbohydrate–containing biopolymers in the large intestine and mechanism of its impairments in ulcerous disease] Rabinovich PD, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):14–7 (Eng. Abstr.) **(Rus)**

[40K study in laryngeal and stomach cancer] Titov VK, et al. **Vopr Onkol** 1983;29(10):3–7 (Eng. Abstr.) **(Rus)**

MORTALITY

A mortality study of cement workers. McDowall ME. **Br J Ind Med** 1984 May;41(2):179–82

Mortality from carcinoma after partial gastrectomy. Inokuchi K, et al. **Gann** 1984 Jul;75(7):588–94

The epidemiology of stomach cancer in Bavaria. Martinez L, et al. **J Cancer Res Clin Oncol** 1983;106(1):65–8

The natural history of gastric cancer and prognostic factors influencing survival. Bedikian AY, et al. **J Clin Oncol** 1984 Apr;2(4):305–10

Gastric cancer and survival. Hughes ES, et al. **Med J Aust** 1984 Feb 4;140(3):147–8

Geographical distribution of lung and stomach cancers in South Africa, 1968–1972. Bradshaw E, et al. **S Afr Med J** 1983 Oct 15;64(17):655–63

Lung cancer, stomach cancer, and smoking status among coal miners. A preliminary test of a hypothesis. Ames RG, et al. **Scand J Work Environ Health** 1983 Oct;9(5):443–8

Cause of late postoperative death in patients with early gastric cancer with special reference to recurrence and the incidence of metachronous primary cancer in other organs. Koga S, et al. **Surgery** 1984 Sep;96(3):511–6

[Significance of tumor size in the prognosis of stomach cancer] Schneider A, et al. **Zentralbl Chir** 1983; 108(21):1370–6 (Eng. Abstr.) **(Ger)**

[Factors influencing the prognosis of postoperative patients with advanced gastric cancer] Kojima S. **Fukuoka Igaku Zasshi** 1984 Feb;75(2):107–20 (Eng. Abstr.) **(Jpn)**

[The clinical effect of recent decline in the gastric cancer mortality rate] Sasaki J, et al. **Gan No Rinsho** 1984 Jan; 30(1):35–42 (Eng. Abstr.) **(Jpn)**

[Evaluation of various prognostic factors in patients with malignant stomach neoplasms in Warsaw 1972–1974] Wronkowski Z, et al. **Nowotwory** 1983 Jan–Mar;33(1):41–9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Gastric cancer incidence in the Faroe Islands. Poulsen JT, et al. **Br J Cancer** 1984 Aug;50(2):223–5

Epidemiology and ecology of gastric cancer in Costa Rica. Sierra R, et al. **Bull Pan Am Health Organ** 1983; 17(4):343–54

Prevalence and pathology of gastric carcinoma in Zimbabwe. A study of 105 cases. Gwavava NJ, et al. **Cent Afr J Med** 1983 Aug;29(8):158–60

Evaluating a Markov chain analysis. Elashoff JD. **Gastroenterology** 1984 Sep;87(3):725–8

Endoscopic screening for gastric stump cancer—would it be beneficial? A hypothetical cohort study. Sonnenberg A. **Gastroenterology** 1984 Sep;87(3):489–95

Carcinoma of the gastric remnant in a U.S. population. Schuman BM, et al. **Gastrointest Endosc** 1984 Apr; 30(2):71–3

Has primary gastric lymphoma become more common? Sandler RS. **J Clin Gastroenterol** 1984 Apr;6(2):101–7

The pattern of gastric cancer in a district hospital in Sri Lanka. Dissanayaka AL, et al. **J R Coll Surg Edinb** 1984 Jan;29(1):22–6

Pathological and epidemiologic study of gastric cancer in atomic bomb survivors, Hiroshima and Nagasaki, 1959–77. Matsuura H, et al. **J Radiat Res (Tokyo)** 1984 Mar; 25(1):111–29

Analysis of early gastric cancer cases collected from major hospitals and institutes in Japan. Fukutomi H, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):169–79

Mass screening for gastric cancer by X-ray examination. Hisamichi S, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):211–23

Epidemiological considerations of gastric cancer and its counterplans [editorial] Yamagata S. **Jpn J Med** 1984 Feb; 23(1):1–2

Gastric cancer after peptic ulcer [letter] Ross AH, et al. **Lancet** 1983 Oct 29;2(8357):1076–7

Gastric cancer after gastric operations [letter] **N Engl J Med** 1984 May 3;310(18):1192–3

Changing aspects of gastric adenocarcinoma [letter] Antonioli DA, et al. **N Engl J Med** 1984 Jun 7;310(23):1538

The risk of gastric carcinoma after surgical treatment for benign ulcer disease. A population–based study in Olmsted County, Minnesota. Schafer LW, et al. **N Engl J Med** 1983 Nov 17;309(20):1210–3

Screening for carcinoma of the stomach and esophagus. Ichikawa H, et al. **Prog Clin Biol Res** 1983;132E:495–9

Gastric cancer risk – the South African model situation [letter] van Rensburg SJ. **S Afr Med J** 1984 Feb 4;65(5):154

Concentrations of nitrates in drinking water and incidence of gastric carcinomas: first descriptive study of the Piemonte Region, Italy. Gilli G, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):35–48

Trends in stomach cancer and stroke in Finland. Comparison to northwest Europe and USA. Tuomilehto J, et al. **Stroke** 1984 Sep–Oct;15(5):823–8

[Epidemiological studies on multiple primary malignant tumors in Nagasaki City] Murase K, et al. **Gan No Rinsho** 1984 Jul;30(8):871–9 (Eng. Abstr.) **(Jpn)**

[Clinical study of recurrent stomach cancer] Taguchi T. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2252–7 (Eng. Abstr.) **(Jpn)**

[Japanese cancer—retrospective and prospective views—gastric cancer] Takagi K. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):716–26 (Eng. Abstr.) **(Jpn)**

[Specific type stomach neoplasms: report based on the questionnaires of the 40th Stomach Cancer Research Group] Hoshi K, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2112–24 **(Jpn)**

[Extra–nodal non–Hodgkin's lymphoma] Mohri N, et al. **Nippon Rinsho** 1983 Nov;41(11):2569–77 **(Jpn)**

[Clinical observation of stomach neoplasms in the aged] Matsuhisa T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Sep; 20(5):398–404 (Eng. Abstr.) **(Jpn)**

[The frequency of carcinoma in the remnant stomach after distal gastrectomy for gastric carcinoma. An evaluation through the person–year method] Ohigashi H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1155–8 (Eng. Abstr.) **(Jpn)**

[Multiple primary malignant neoplasms of the head and neck] Kita M, et al. **Rinsho Hoshasen** 1984 Feb;29(2):289–94 (Eng. Abstr.) **(Jpn)**

[Epidemiology of cancer of the stomach] Jędrychowski W. **Przegl Epidemiol** 1983;37(3–4):415–23 (Eng. Abstr.) **(Pol)**

[Effect of various social and life–style factors on the incidence of stomach disease] Salimov TG. **Klin Med (Mosk)** 1984 May;62(5):57–60 (Eng. Abstr.) **(Rus)**

[Trends in the distribution of stomach cancer and cancer of the large intestine among the population] Tikhonova NA, et al. **Vopr Onkol** 1984;30(2):45–51 (Eng. Abstr.) **(Rus)**

[Gastric cancer. 11 years' experience in 8,304 endoscopic studies performed] Carestía GA, et al. **Acta Gastroenterol Latinoam** 1983;13(1):45–52 (Eng. Abstr.) **(Spa)**

[Ecological aspects of gastric cancer in Costa Rica] Sierra R, et al. **Rev Biol Trop** 1983 Jun;31(1):11–8 (Eng. Abstr.) **(Spa)**

[Clinical and therapeutic aspects of gastric cancer (1973–1979). A cooperative interhospital study] Csendes A, et al. **Rev Med Chil** 1983 Mar;111(3):262–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

'Dysplasia' in endoscopic biopsies of the stomach and the gastric remnant. Geboes K, et al. **Acta Gastroenterol Belg** 1983 Nov–Dec;46(11–12):556–66

Hyperplastic fundic gland polyp of the stomach. Hanada M, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1269–77

Early lymphoma coexisting with reactive lymphoid hyperplasia of the stomach. Murayama H, et al. **Acta Pathol Jpn** 1984 May;34(3):679–86

Plasma cell granuloma of the stomach combined with gastric cancer. Ohtsuki Y, et al. **Acta Pathol Jpn** 1983 Nov; 33(6):1251–7

A histopathological study of diffuse hyperplasia of gastric argyrophil cells. Shimoda T, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1259–67

Pathological studies of human gastric cancer. Sugano H, et al. **Acta Pathol Jpn** 1982;32 Suppl 2:329–47 (58 ref.)

A case of gastric carcinoma with massive eosinophilia. Tsutsumi Y, et al. **Acta Pathol Jpn** 1984 Jan;34(1):117–22

Clinico–pathological study of gastric cancers in the greater curvature. Yamagiwa H, et al. **Acta Pathol Jpn** 1984 May; 34(3):519–27

Dysplasia and carcinoma in the Billroth II resected stomach 27–35 years post–operatively. Graem N, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 May; 92(3):185–8

Diagnostic accuracy of endoscopic gastrobiopsy in carcinoma of the stomach. A histopathological review of 101 cases. Vyberg M, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1983 Nov; 91(6):483–7

Prognostic significance of reactive changes in regional lymph nodes in cancer. Jansa P, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:111–20

Simultaneous polypoid tumors of the stomach and duodenum with composite cell population (mucous, argyrophil, and lysozyme–containing cells): a case report. De Vita O, et al. **Am J Gastroenterol** 1984 Aug;79(8):606–10

A clinical and histopathological study of gastric polyps in familial polyposis coli. Nishiura M, et al. **Am J Gastroenterol** 1984 Feb;79(2):98–103

Primary gastric lymphoma: a review. Sandler RS. **Am J Gastroenterol** 1984 Jan;79(1):21–5 (58 ref.)

Massive glomus tumor of the stomach: 20–year follow–up and autopsy findings. Warner KE, et al. **Am J Gastroenterol** 1984 Apr;79(4):253–5

Canada–Cronkhite syndrome in an 82–year–old woman. Jones AF, et al. **Am J Med** 1984 Sep;77(3):555–7

Early gastric cancer. Bogomoletz WV. **Am J Surg Pathol** 1984 May;8(5):381–91 (49 ref.)

Gastric stromal tumors. Reappraisal of histogenesis. Mazur MT, et al. **Am J Surg Pathol** 1983 Sep;7(6):507–19

The syndrome of gastric argyrophil carcinoid tumors and nonantral gastric atrophy. Carney JA, et al. **Ann Intern Med** 1983 Dec;99(6):761–6

Gastric atrophy and carcinoid tumors [letter] Caruso MP, et al. **Ann Intern Med** 1984 Mar;100(3):459

The intramucosal cysts of the stomach. IV. In Japanese subjects with early gastric cancer (microinvasive carcinoma). Rubio CA, et al. **Anticancer Res** 1984 Jan–Apr; 4(1–2):13–6

Types of mucosal metaplasia in relation to the histogenesis of gastric carcinoma. Lei DN, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):220–4

Primary plasmacytoma of the stomach [letter] Pappolla MA, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):95–6

The histopathology of gastric cancer in rural and urban areas of North Wales. Caygill C, et al. **Br J Cancer** 1983 Oct; 48(4):603–5

Primary melanocytic schwannoma of the stomach. Evidence of dual melanocytic and schwannian differentiation in an extra–axial site in a patient without neurofibromatosis. Burns DK, et al. **Cancer** 1983 Oct 15;52(8):1432–41 (95 ref.)

Canine gastric glycoprotein antigens in early carcinogenesis. Häkkinen IP, et al. **Cancer** 1984 Feb 15;53(4):928–34

Clinical diagnosis of minute gastric cancer less than 5 mm in diameter. Oohara T, et al. **Cancer** 1984 Jan 1;53(1):162–5

An autoradiographic study on the labeling index of biopsy specimens from gastric cancers. Sasaki K, et al. **Cancer** 1984 Oct 1;54(7):1307–9

Multiple visceral and cutaneous granular cell tumors. Ultrastructural and immunocytochemical evidence of Schwann cell origin. Seo IS, et al. **Cancer** 1984 May 15; 53(10):2104–10

Gastric– and intestinal–type properties of human gastric cancers transplanted into nude mice. Furihata C, et al. **Cancer Res** 1984 Feb;44(2):727–33

Establishment of different clonal strains from a human sarcoma of the stomach: tumorigenic heterogeneity in athymic nude mice. Okabe T, et al. **Cancer Res** 1983 Nov; 43(11):5456–61

Effects of gastrin on tumor growth and cyclic nucleotide metabolism in xenotransplantable human gastric and colonic carcinomas in nude mice. Sumiyoshi H, et al. **Cancer Res** 1984 Oct;44(10):4276–80

Non–carcinomatous gastric tumours and tumour–like lesions. Gwavava NJ, et al. **Cent Afr J Med** 1983 Aug;29(8):160–1

Gastric leiomyoblastoma with multiple pulmonary chondrohamartomas. A case report. Xu CP, et al. **Chin Med J [Engl]** 1983 May;96(5):367–9

Difference in chromatin sensitivity to heparin of chronic atrophic gastritis, of carcinoma–free and carcinoma–bearing stomach in comparison with normal gastric mucosa and gastric carcinoma as revealed by flow cytometry. Weiss H, et al. **Cytometry** 1983 Nov;4(3):268–75

Eighty months persistence of poorly differentiated early gastric cancer. Eckardt VF, et al. **Gastroenterology** 1984 Sep;87(3):719–24

Clinical, epidemiologic, and morphologic comparison between adenocarcinomas arising in Barrett's esophageal mucosa and in the gastric cardia. Kalish RJ, et al. **Gastroenterology** 1984 Mar;86(3):461–7

Nonepithelial neoplasms of the stomach. Bjork JT. **Gastrointest Endosc** 1984 Apr;30(2):107–8

Detection of minute cancer of the stomach [letter] Vazquez–Reta A, et al. **Gastrointest Endosc** 1984 Feb; 30(1):50–2

Familial juvenile polyposis coli; increased risk of colorectal cancer. Järvinen H, et al. **Gut** 1984 Jul;25(7):792–800

Gastroscopic screening in 80 patients with pernicious anaemia. Stockbrügger RW, et al. **Gut** 1983 Dec; 24(12):1141–7

Synchronous double primary malignant lymphoma of low grade malignancy and early cancer (collision tumor) of the stomach. Planker M, et al. **Hepatogastroenterology** 1984 Jun;31(3):144–8

Composite gastric carcinoid and adenocarcinoma. Ali MH, et al. **Histopathology** 1984 May;8(3):529–36

Gastric cancer: problems in histogenesis. Arslan Pagnini C, et al. **Histopathology** 1983 Sep;7(5):699–706

Cystic 'hamartomatous' gastric polyps: a disorder of oxyntic glands. Sipponen P, et al. **Histopathology** 1983 Sep; 7(5):729–37

Histopathology of gastric carcinoids: a survey of 42 cases. Wilander E, et al. **Histopathology** 1984 Mar;8(2):183–93

Primary squamous cell carcinoma of stomach. Malik AK, et al. **Indian J Pathol Microbiol** 1983 Apr;26(2):133–8

Gastric polyps of epithelial origin: implications for treatment. Cronen PW. **Indiana Med** 1984 Jun;77(6):460–2

Heterogeneous responses of an in vitro model of human stomach cancer to anticancer drugs. Barranco SC, et al. **Invest New Drugs** 1983;1(2):117–27

Epithelioid leiomyoma (leiomyoblastoma) of the stomach. Kelleher MB, et al. **Ir J Med Sci** 1984 Apr;153(4):137–9

Leiomyoblastoma of the stomach: report of a case and review of the literature. Klifto EJ, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):30–3

Prognostic significance of intraperitoneal free cancer cells in gastric cancer patients. Koga S, et al. **J Cancer Res Clin Oncol** 1984;108(2):236–8

Histiocytic lymphoma of the stomach (a case report). Deodhar SD, et al. **J Postgrad Med** 1983 Apr;29(2):116B, 117–9

Chronological changes in the morphological features of early gastric cancer, especially recent changes in macroscopic

findings. Hirota T, et al. **Jpn J Clin Oncol** 1984 Jun; 14(2):181–99

Diagnosis of early gastric cancer seen as less malignant endoscopically. Yoshida S, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):225–41

Early gastric cancer with widespread lymph node metastases; a case report. Hirono M, et al. **Jpn J Surg** 1984 Mar; 14(2):143–5

Possible role of lymph node dissection in the surgical treatment of gastric cancer with disseminating peritoneal metastasis. Kaibara N, et al. **Jpn J Surg** 1983 Sep; 13(5):404–8

A case report of glomus tumor of the stomach. Kuroda Y, et al. **Jpn J Surg** 1984 Jan;14(1):39–41

Gastric carcinoma with lymphoid stroma: correlation to reactive hyperplasia in regional lymph nodes and prognosis. Okamura T, et al. **Jpn J Surg** 1983 May;13(3):177–83

Spontaneous resolution? [letter] Wooller HO. **Med J Aust** 1984 Apr 14;140(8):509

Krukenberg tumor detected by cervical cytology. Watson WJ, et al. **Milit Med** 1984 Jun;149(6):342–3

Multiple sessile and pedunculated gastric carcinoids. Fisher JK. **Mo Med** 1984 Feb;81(2):81–5

Stroma–parenchymal relationships in gastric ulcer and cancer operatory specimens. Vărzaru E, et al. **Morphol Embryol (Bucur)** 1983 Oct–Dec;29(4):263–6

Glomus tumor of the stomach. Valderrama E, et al. **NY State J Med** 1984 Jan;84(1):39–41

Three-dimensional morphological study of rat gastric lesions induced by N-methyl-N'-nitro-N-nitrosoguanidine. Structural atypia in carcinoma and non-carcinomatous lesions. Kokubo T, et al. **Pathol Res Pract** 1984 May; 178(5):477–82

Neoplastic cells containing lysozyme in gastric carcinomas. Capella C, et al. **Pathology** 1984 Jan;16(1):87–92

Gastric and esophageal brush cytology. Lin BP, et al. **Pathology** 1983 Oct;15(4):393–7

Microcarcinoma of the stomach measuring less than 5 mm in the largest diameter and its histogenesis. Nakamura K, et al. **Prog Clin Biol Res** 1983;132D:107–16

Inflammatory fibroid polyp of the stomach. A case report. Veldsman JJ, et al. **S Afr Med J** 1984 Aug 4;66(5):191

The gastric mucosa in stomachs with polyps: morphologic and dynamic evaluation. Laxén F, et al. **Scand J Gastroenterol** 1983 May;18(4):503–11

Fifty year old Caucasian female with abdominal pain and headache [clinical conference] Odden KM, et al. **SD J Med** 1984 Mar;37(3):13–7

Giant hyperplasiogenous polyp of the stomach simulating malignant polyp. Mukada T, et al. **Tohoku J Exp Med** 1984 Feb;142(2):125–30

Immunohistochemical localization of brain–gut hormones in gastric carcinoma with relation to argyrophil cells. Yamada S, et al. **Tohoku J Exp Med** 1984 May;143(1):1–15

Early gastric cancer superimposed on infestation of an Anisakis-like larva: a case report. Tsutsumi Y, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):265–73

DNA flow cytometric measurements in inflammatory and malignant human gastric lesions. Deinlein E, et al. **Virchows Arch [A]** 1983;402(2):185–93

Architectural pattern of gastric adenocarcinoma—a 3-dimensional reconstruction study. Takahashi T, et al. **Virchows Arch [A]** 1984;403(2):127–34

Atypical glands in gastric adenoma. Three-dimensional architecture compared with carcinomatous and metaplastic glands. Takahashi T, et al. **Virchows Arch [A]** 1984; 403(2):135–48

Carcinoma of the stomach in a 7-year-old boy—a case report and a review of the literature on children under 10 years of age. Goto S, et al. **Z Kinderchir** 1984 Apr;39(2):137–40 (17 ref.)

[Pathologic analysis of early gastric cancer] **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):127–30 (Eng. Abstr.) **(Chi)**

[Pathologic features of carcinoma of the gastric cardia] Li L. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):37–40 (Eng. Abstr.) **(Chi)**

[Autopsy study of gastric carcinoma—analysis of 60 cases] Yang GL. **Chung Hua Chung Liu Tsa Chih** 1983 Sep; 5(5):362–5 (Eng. Abstr.) **(Chi)**

[Adenocarcinoma of the cardial region accompanied by carcinoid syndrome (with report of a case)] Li HM. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):305–6 **(Chi)**

[Histogenesis of carcinoma of the gastric cardia] Li L, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Jun;5(3):169–72 (Eng. Abstr.) **(Chi)**

[Histopathological study on the relationship between host reaction and prognosis in patients with cancer of the gastric cardia] Pan GL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):97–101 (Eng. Abstr.) **(Chi)**

[Primary choriocarcinoma of the stomach. Immunohistochemistry study of a case and review of the literature] Goussot JF, et al. **Ann Pathol** 1984 Jan–Mar; 4(1):43–8 (17 ref.) (Eng. Abstr.) **(Fre)**

[Gastric localization indicating the development of an acute form of subacute myelomonocytic leukemia (letter)] Rossi JF, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):934–5 **(Fre)**

[Is gastroscopic polypectomy a diagnostic necessity? Results of a prospective study] Ottenjann R, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):443–5 (Eng. Abstr.) **(Ger)**

[Clinical pathology of early stomach cancer. An analysis of Erlangen patients from the Surgical and Medical Clinic] Giedl J. **Fortschr Med** 1984 Mar 22;102(11):293–7 (Eng. Abstr.) **(Ger)**

[Isolated tumor-like amyloidosis of the stomach] Bethke BA, et al. **Med Welt** 1983 Dec 16;34(50):1422–5 **(Ger)**

[Simultaneous occurrence of osteogenesis imperfecta tarda and isolated bone metastasis from cancer of the cardia] Eichfeld U, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):369–90 **(Ger)**

[Multiple primary stomach carcinoids in hyperplastic stomach polyps] Heine M, et al. **Z Gastroenterol** 1984 Jun; 22(6):294–9 (Eng. Abstr.) **(Ger)**

[Gastro-colonic fistula of tumor origin] Vadász P. **Orv Hetil** 1984 Jul 8;125(28):1701–3 (Eng. Abstr.) **(Hun)**

[Non-epithelial gastric neoplasms] Colecchia G, et al. **Ann Ital Chir** 1983;55(5):421–32 (Eng. Abstr.) **(Ita)**

[Mesenchymal tumors of the stomach. Usefulness and limitations of digestive endoscopy] Dell'Anna A, et al. **Ann Ital Chir** 1984;56(1):67–79 (Eng. Abstr.) **(Ita)**

[Gastric polyps. Pathologic study and histogenetic classification] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1983 Oct–Dec;29(4):289–98 (Eng. Abstr.) **(Ita)**

[Study of malignant neurinomas] Pesce C, et al. **Pathologica** 1983 Mar–Apr;75(1036):247–56 (Eng. Abstr.) **(Ita)**

[A rare case of gastric myoblastoma] Tricomi P, et al. **Pathologica** 1984 Jan–Feb;76(1041):117–22 (Eng. Abstr.) **(Ita)**

[Multiple early carcinomas of the stomach. A clinicopathologic analysis of 125 cases] Tomoda K. **Fukuoka Igaku Zasshi** 1983 Jun;74(6):366–82 (Eng. Abstr.) **(Jpn)**

[Human stomach cancer bearing similarity to experimentally induced stomach cancer in rats] Araki K. **Gan No Rinsho** 1983 Sep;29(11):1306–13 (Eng. Abstr.) **(Jpn)**

[Three operated cases of synchronous double cancers in the lung and stomach. A review of the Japanese literature] Arimura T, et al. **Gan No Rinsho** 1984 Mar;30(3):283–91 (Eng. Abstr.) **(Jpn)**

[Histopathological evaluation of minute stomach cancer] Habu H, et al. **Gan No Rinsho** 1983 Aug;29(9):966–70 (Eng. Abstr.) **(Jpn)**

[In vitro chemosensitivity test of human solid cancer: 3H-thymidine uptake inhibition test] Hanatani Y, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1123–9 (Eng. Abstr.) **(Jpn)**

[Ossification arising in the atypical epithelium in primary stomach cancer—report of a case] Ishizuka H, et al. **Gan No Rinsho** 1983 Dec;29(15):1772–8 (Eng. Abstr.) **(Jpn)**

[Case of gastrin-producing carcinoid, adenocarcinoma and xanthoma of the stomach] Kanabe S, et al. **Gan No Rinsho** 1983 Oct;29(12):1466–70 (Eng. Abstr.) **(Jpn)**

[Immunohistological studies on the identification of T cells and T cell subsets infiltrating in human stomach cancer tissues] Kasai K, et al. **Gan No Rinsho** 1983 Aug;29(9):981–6 (Eng. Abstr.) **(Jpn)**

[A histopathological study of gastric cancer with liver metastasis, with special reference to poorly differentiated adenocarcinoma of the medullary type] Kimura O, et al. **Gan No Rinsho** 1984 Feb;30(2):131–7 (Eng. Abstr.) **(Jpn)**

[Pathology and histogenesis of gastric scirrhous carcinoma] Kino I. **Gan No Rinsho** 1984 May;30(6 Suppl):703–9 (Eng. Abstr.) **(Jpn)**

[Case of simultaneous triple cancers of the duodenal papilla, gallbladder and stomach] Nakagoe T, et al. **Gan No Rinsho** 1983 Aug;29(9):1021–4 (Eng. Abstr.) **(Jpn)**

[Carcinoma of the remnant stomach following surgical treatment of quadruple cancers] Nomizu T, et al. **Gan No Rinsho** 1983 Nov;29(14):1693–6 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on carcinoma of the gastric stump, with special reference to mucosal change] Ohyama T, et al. **Gan No Rinsho** 1984 Jan;30(1):43–52 (Eng. Abstr.) **(Jpn)**

[A case of advanced gastric cancer associated with smouldering adult T-cell leukemia (ATL)] Sakai M, et al. **Gan No Rinsho** 1984 Mar;30(3):301–6 (Eng. Abstr.) **(Jpn)**

[Autofluorescence of gastric cancer—study by flow cytometry] Sasaki K, et al. **Gan No Rinsho** 1984 Jul; 30(8):905–6 (Eng. Abstr.) **(Jpn)**

[A case of primary adenosquamous carcinoma of the stomach associated with gastric polyposis] Sato N, et al. **Gan No Rinsho** 1984 Mar;30(3):292–5 (Eng. Abstr.) **(Jpn)**

[Gastric lymphosarcoma associated with early carcinoma (type IIa)—a case report] Sawa S, et al. **Gan No Rinsho** 1984 Apr;30(4):393–8 (Eng. Abstr.) **(Jpn)**

[Early stomach cancer derived from heterotopic glands—a case report] Sugawara T, et al. **Gan No Rinsho** 1983 Sep; 29(11):1351–5 (Eng. Abstr.) **(Jpn)**

[A case of gastric carcinoid associated with multiple early gastric cancers and atypical epithelium] Takahashi N, et al. **Gan No Rinsho** 1984 May;30(5):524–8 (Eng. Abstr.) **(Jpn)**

[Metachronous triple malignant lymphoma of the stomach] Takahashi T, et al. **Gan No Rinsho** 1983 Nov; 29(14):1697–702 (Eng. Abstr.) **(Jpn)**

[Metastasis of gastric cancer to the spleen—a case report] Takebayashi M, et al. **Gan No Rinsho** 1983 Nov; 29(14):1703–5 (Eng. Abstr.) **(Jpn)**

[A case of minute carcinoma associated with an atypical epithelial lesion of the stomach and histopathological analysis] Toi M, et al. **Gan No Rinsho** 1984 May; 30(5):519–23 (Eng. Abstr.) **(Jpn)**

[Four case reports of sarcoma combined with carcinoma] Ubayama Y, et al. **Gan No Rinsho** 1984 Jun;30(7):827–33 (Eng. Abstr.) **(Jpn)**

[Squamous change in gastric cancer] Yamagiwa H, et al. **Gan No Rinsho** 1983 Dec;29(15):1721–6 (Eng. Abstr.) **(Jpn)**

[Adenocarcinoma adjoining to the gastric antrum and minute carcinoid—a case report] Yamauchi M, et al. **Gan No Rinsho** 1983 Sep;29(11):1356–60 (Eng. Abstr.) **(Jpn)**

[Biology of cancer cell-stroma interaction in carcinogenesis and cancer progression] Fujita S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):644–61 (Eng. Abstr.) **(Jpn)**

[Cell kinetic study of human gastric cancers—using an in vitro 3H-thymidine labeling method] Sasaki K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1408–13 (Eng. Abstr.) **(Jpn)**

[Clinical studies on preoperative abdominal arterial infusion of anticancer agents] Suwa T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1024–31 (Eng. Abstr.) **(Jpn)**

[A case study with bladder metastasis of renal cell carcinoma and stomach cancer] Tashiro K, et al. **Hinyokika Kiyo** 1984 Feb;30(2):249–52 (Eng. Abstr.) **(Jpn)**

[Metastatic ureteral tumor from the digestive organ: a case report] Yui Y, et al. **Hinyokika Kiyo** 1984 May;30(5):691–4 (Eng. Abstr.) **(Jpn)**

[Lymph flow of the stomach and the lymph node metastasis of gastric cancer] Kawaji T. **Igaku Kenkyu** 1983 Jun; 53(3):127–54 (68 ref.) (Eng. Abstr.) **(Jpn)**

[Cellular stromal reaction in the major foci of gastric cancer] Kanabe S, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):666–72 (Eng. Abstr.) **(Jpn)**

[A case of alpha-fetoprotein-producing gastric carcinoma with unique macroscopical configuration] Kodama T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):77–81 (Eng. Abstr.) **(Jpn)**

[Cell kinetics of experimental canine gastric cancer induced by N-ethyl-N'-nitro-N-nitrosoguanidine] Mikasa GT. **Nippon Ika Daigaku Zasshi** 1983 Dec;50(6):830–4 (Eng. Abstr.) **(Jpn)**

[Two novel cultured cell lines, A3/Kawasaki and A4/Fukuda, derived from malignant lymphomas of the gastrointestinal tract] Hirose M, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1045–55 (Eng. Abstr.) **(Jpn)**

[Case of chronic lymphocytic leukemia (CLL) with tumor formation due to infiltration to the stomach] Maeda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr; 80(4):1011–5 **(Jpn)**

[An experimental study on influence of anacidity and hyperacidity of gastric juice on the development of gastric cancer] Miwa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):7–15 (Eng. Abstr.) **(Jpn)**

[Heterotransplantation of human gastric carcinomas into nude mice. Transplantability and tumor doubling time of 100 cases of human gastric carcinomas into nude mice] Miyagi N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2512–9 (Eng. Abstr.) **(Jpn)**

[Heterotopic pancreas tissue in the stomach—clinicopathological studies of 29 cases] Sakurai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct; 80(10):2249–55 (Eng. Abstr.) **(Jpn)**

[Clinicopathological evaluation of cancer of the residual stomach] Tomiyama H, et al. **Rinsho Byori** 1983 May; 31(5):529–33 **(Jpn)**

[Problems associated with the progression of the pathologic process of gastric cancer] Yamagiwa H, et al. **Rinsho Byori** 1983 Dec;31(12):1309–12 **(Jpn)**

[Primary macroglobulinemia with monoclonal plasma cell infiltration in the gastric mucosa—a case report] Emi N, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1080–5 (Eng. Abstr.) **(Jpn)**

[Case of Burkitt type leukemic lymphoma presumably originating at the stomach] Natori H, et al. **Rinsho Ketsueki** 1983 Feb;24(2):206–12 (Eng. Abstr.) **(Jpn)**

[Usefulness of immunohistochemical methods in the routine diagnosis of neoplasms of the digestive system] Stachura J, et al. **Patol Pol** 1983 Apr–Jun;34(2):173–84 (Eng. Abstr.) **(Pol)**

[Benign stomach neoplasms in autopsy material in the past 15 years] Bednarz W. **Pol Tyg Lek** 1983 Sep 5;38(36):1101–3 (Eng. Abstr.) **(Pol)**

[Multiple primary carcinoid tumor of the stomach of complex structure] Kazantseva IA, et al. **Arkh Patol** 1984;46(6):61–4 (Eng. Abstr.) **(Rus)**

[Current histological classification and morphological and statistical characteristics of stomach cancer] Zolotarevskiĭ VB, et al. **Arkh Patol** 1984;46(6):27–33 (Eng. Abstr.) **(Rus)**

[Gigantic hemangioma of the stomach] Grigor'ev BA, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):121 **(Rus)**

[Determination of the proximal boundaries of the spread of stomach cancer] Iliasova EB. **Khirurgiia (Mosk)** 1983 Sep;(9):47–50 (Eng. Abstr.) **(Rus)**

[Glomic tumors of the stomach] Kissin EA, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):61–3 (Eng. Abstr.) **(Rus)**

[Determination of the limits of radical operations in lymphoreticulosarcoma of the stomach] Linchenko IF, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):57–60 (Eng. Abstr.) **(Rus)**

[Metastatic lesions of the liver in cancer of the stomach, colon and rectum] Komov DV, et al. **Klin Med (Mosk)** 1983 Jul; 61(7):77–81 (Eng. Abstr.) **(Rus)**

[Cytological studies in precancerous and cancerous processes and adenomas of the stomach] Arzumanian GA, et al. **Lab Delo** 1984;(4):199–203 (Eng. Abstr.) **(Rus)**

[Possibilities of detecting gastric precancer and cancer in a high-risk group by cytological methods] Pinskaia MN. **Lab Delo** 1984;(3):150–3 (Eng. Abstr.) **(Rus)**

[Clinical value of morphometric studies in adenomatous polyps of the stomach] Nifant'ev OE, et al. **Sov Med** 1983; (8):78–80 **(Rus)**

[Case of a very rapid development of stomach cancer] Sinev IuV, et al. **Ter Arkh** 1984;56(2):141 **(Rus)**

[Criteria of benign and malignant ulceration of the stomach] Bachev II. **Vestn Khir** 1983 Nov;131(11):28–30 (Eng. Abstr.) **(Rus)**

[Tumor-like dystopia of the pancreas into the stomach (3 case reports)] Gegechkori IuA, et al. **Vopr Onkol** 1984; 30(6):101–3 **(Rus)**

[Second tumor in lymphogranulomatosis] Pokrovskaia NN, et al. **Vopr Onkol** 1983;29(9):26–33 (Eng. Abstr.) **(Rus)**

[Gastric adenocarcinoma associated with Hodgkin's disease with infiltration of the tonsils and gastric serous membrane] Sierra J, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):719–22 (Eng. Abstr.) **(Spa)**

[Juxtacardial leiomyoma of the stomach] de las Casas Alonso P, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):126–31 (Eng. Abstr.) **(Spa)**

[Non-epithelial malignant tumors of the stomach with special reference to lymphomatous formations] de Miguel J. **Rev Esp Enferm Apar Dig** 1983 Nov;64(5):404–9 (Eng. Abstr.) **(Spa)**

[Gastric leiomyoblastoma] Nicolás Jiménez R, et al. **Rev Esp Enferm Apar Dig** 1984 May;65(5):452–5 (Eng. Abstr.) **(Spa)**

[Tumors and pseudotumoral lesions of the stomach in pathological anatomy specimens] Duarte I, et al. **Rev Med Chil** 1984 Jan;112(1):26–31 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Spontaneous resolution of adenocarcinoma [letter] Davies PG. **Med J Aust** 1984 Feb 18;140(4):248

Possible role of the duodenum in the entero-PP axis. Yamamura T, et al. **Regul Pept** 1983 Jul;6(3):189–96

[Hemodynamic effects of a large dose injection of OK-432 (picibanil)] Morita K, et al. **Nippon Geka Gakkai Zasshi** 1983 Apr;84(4):295–300 (Eng. Abstr.) **(Jpn)**

[General evaluation of the state of the endocrine system from the results of radiodiagnostic studies in vitro] Zaprudnova SN, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):43–7 (Eng. Abstr.) **(Rus)**

[Adrenaline tests in patients with stomach and esophageal cancers] Tarutinov VI, et al. **Vrach Delo** 1983 Aug; (8):88–91 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Epidemiology of stomach cancer in Japan. With special reference to the strategy for the primary prevention. Hirayama T. **Jpn J Clin Oncol** 1984 Jun;14(2):159–68

[Current issues and future prospects of gastric mass survey] Hisamichi S. **Gan No Rinsho** 1984 May;30(6 Suppl):581–7 (Eng. Abstr.) **(Jpn)**

[Cooperative studies on surgical adjuvant immunochemotherapy for prevention of postoperative recurrence of gastric cancer] Imaizumi M, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):60–8 (Eng. Abstr.) **(Jpn)**

[The battle against stomach cancer] Gibiński K. **Pol Tyg Lek** 1984 Feb 6;39(6):169–72 **(Pol)**

[Organization of the work of specialized fluorography centers for early detection of cancer of the stomach] Sazonov AM, et al. **Sov Zdravookhr** 1984;(2):26–9 (Eng. Abstr.) **(Rus)**

[Expediency of preventive examination of the upper parts of the gastrointestinal tract] Petrov VP, et al. **Vestn Khir** 1983 Oct;131(10):139–41 (Eng. Abstr.) **(Rus)**

[Organization of the active detection of pretumorous and tumorous diseases of the stomach using primary automated screening and fiber gastroscopy] Vilianskiĭ MP, et al. **Vopr Onkol** 1984;30(2):85–90 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Response of gastric lymphoma to chemotherapy: radiographic appearance. Fox ER, et al. **AJR** 1984 Apr; 142(4):711–4

Computed tomography of abdominal carcinoid tumors. Picus D, et al. **AJR** 1984 Sep;143(3):581–4

Computed tomography for staging esophageal and gastroesophageal cancer: reevaluation. Thompson WM, et al. **AJR** 1983 Nov;141(5):951–8

Reversal of changes in Cronkhite–Canada syndrome. Doyle T, et al. **Australas Radiol** 1984 Feb;28(1):19–22

Spicule or porcupine sign of primary gastric lymphoma: a correlative study of radiological finding with histology. Bahk YW, et al. **Br J Radiol** 1984 Mar;57(675):265–7

Gastric manifestations of North American Burkitt's lymphoma. Krudy AG, et al. **Br J Radiol** 1983 Oct; 56(670):697–702

The pre-operative assessment of advanced gastric cancer by computed tomography. Dehn TC, et al. **Br J Surg** 1984 Jun;71(6):413–7

Hiatus hernia causing CT gastric mass lesions. Cassel DM, et al. **Comput Radiol** 1983 May–Jun;7(3):177–9

Computed tomography of the gastroesophageal junction. Halvorsen RA, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(3):183–228 (40 ref.)

CT assessment of operability in carcinoma of the oesophagogastric junction. Terrier F, et al. **Eur J Radiol** 1984 May;4(2):114–7

CT's capability in detecting advanced gastric cancer. Komaki S, et al. **Gastrointest Radiol** 1983;8(4):307–13

Computed tomography in carcinoma of esophagus and cardia. Schneekloth G, et al. **Gastrointest Radiol** 1983; 8(3):193–206

Importance of filling defects in the gastric bulla. Mizrahi S, et al. **Isr J Med Sci** 1984 May;20(5):443–6

Gastrointestinal Kaposi's sarcoma in AIDS: radiographic manifestations. Wall SD, et al. **J Clin Gastroenterol** 1984 Apr;6(2):165–71

Computed tomography of calcified gastric carcinoma. Nishimura K, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1010–1

Hiatal hernia causing a cardia pseudomass on computed tomography. Pupols A, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):699–700

X-ray diagnosis of flat type mucosal carcinoma of the stomach. Doi H, et al. **Jpn J Clin Oncol** 1984 Jun; 14(2):201–10

Gastric leiomyosarcoma diagnosed on chest roentgenogram: importance of the stomach bubble. Stauber SL, et al. **Mt Sinai J Med (NY)** 1983 Nov–Dec;50(6):514–6

Imaging techniques for detection and extent determination of cancer of the esophagus, stomach and colon. Op den Orth JO. **Prog Clin Biol Res** 1983;132D:363–4

Barium stalactites: observations on their nature and significance. Aronchick J, et al. **Radiology** 1983 Nov; 149(2):588–91

Early gastric cancer: radiographic experience. Gold RP, et al. **Radiology** 1984 Aug;152(2):283–90

Gastric hemangioma in a 15-year-old girl. Oswalt CE, et al. **Tex Med** 1983 Jul;79(7):37–9

[Possibilities and limitations of computed tomography in the diagnosis of advanced stomach cancer and tumor recurrence] Rotte KH, et al. **Arch Geschwulstforsch** 1983; 53(5):449–57 (Eng. Abstr.) **(Ger)**

[Computer tomography image of a triple anlage of the stomach] Fischer HJ, et al. **Computertomographie** 1983 Dec; 3(4):140–1 (Eng. Abstr.) **(Ger)**

[A form of the ulcer niche] Vlasov PV, et al. **Radiol Diagn (Berl)** 1983;24(5):649–55 (Eng. Abstr.) **(Ger)**

[Cowden's disease—'multiple hamartoma syndrome'—with gastrointestinal manifestations] König F, et al. **Radiologe** 1983 Jul;23(7):324–6 (Eng. Abstr.) **(Ger)**

[Radiological findings in malignant lymphoma of the stomach] Majewski A, et al. **ROFO** 1984 Aug;141(2):160–6 (Eng. Abstr.) **(Ger)**

[Gastroenterology (22). Roentgen diagnosis 6: The stomach (5)] Bargon G. **ZFA (Stuttgart)** 1983 Oct 31;59(30):1689–93 **(Ger)**

[Computerized tomography in the study of cancer of the esophagus and cardia] Alessi G, et al. **Minerva Chir** 1984 Feb 28;39(4):191–5 (Eng. Abstr.) **(Ita)**

[Angiographic evaluation of lymph node metastasis in gastric cancer] Nakayama T. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):51–62 (Eng. Abstr.) **(Jpn)**

[Primary early malignant lymphoma of the stomach] Fukushima M, et al. **Rinsho Hoshasen** 1981 Dec; 26(13):1409–12 (Eng. Abstr.) **(Jpn)**

[Computed tomography of gastrointestinal smooth muscle tumors] Honda H, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):285–8 (Eng. Abstr.) **(Jpn)**

[Radiological diagnosis of the early cancer of the gastric stump] Katsumata S, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):757–61 (Eng. Abstr.) **(Jpn)**

[An interesting case of double cancer of the stomach and gallbladder] Tachikawa H, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1591–4 (Eng. Abstr.) **(Jpn)**

[Similarities and differences in the radiological findings in achalasia of the esophagus and cancer of the cardia] Moroń K, et al. **Wiad Lek** 1983 Apr 15;36(8):617–24 (Eng. Abstr.) **(Pol)**

[Benign nonepithelial tumors of the stomach] Iaremchuk AIa. **Khirurgiia (Mosk)** 1983 Sep;(9):50–2 (Eng. Abstr.) **(Rus)**

[Clinico-radiological diagnosis of infiltrating cancer of the stomach] Portnoĭ LM, et al. **Khirurgiia (Mosk)** 1983 Sep; (9):54–7 (Eng. Abstr.) **(Rus)**

[Possibilities for differential x-ray diagnosis of lesions of the stomach in malignant lymphoma] Fil'shtinskiĭ AIa, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):53–9 (Eng. Abstr.) **(Rus)**

[Large-frame xeroradiography of the stomach] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):5–12 (Eng. Abstr.) **(Rus)**

[Method of simultaneous double contrast examination in the diagnosis of stomach cancer] Rabukhina NA, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):11–7 (Eng. Abstr.) **(Rus)**

[Method of indirect lymphography of the stomach] Rizaev MN, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):24–7 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenological value of a therapeutic test in the differential diagnosis of gastric ulcerations] Strunin AE. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):20–3 (Eng. Abstr.) **(Rus)**

[Roentgenodiagnosis of primary isolated lymphogranulomatosis of the stomach] Volodina GI, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):17–20 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Afferent loop obstruction documented with hepatobiliary imaging. Rao K, et al. **Gastrointest Radiol** 1983;8(4):345–7

Reappraisal of radionuclide liver scans for preoperative gastric cancer patients. Kondo M, et al. **Kaku Igaku** 1983 Apr;20(3):309–12

[Bone metastasis in gastric cancer—clinical evaluation of bone scintigrams] Seto M, et al. **Kaku Igaku** 1983 Jul; 20(6):795–801 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Helium charged-particle radiotherapy of locally advanced carcinoma of the esophagus, stomach, and biliary tract. Castro JR, et al. **Am J Clin Oncol** 1983 Dec;6(6):629–37

Gastrocutaneous fistula as a late complication of fast neutron therapy for carcinoma of the stomach. Griffith CD, et al. **Br J Surg** 1984 Aug;71(8):646

Primary gastric lymphoma. An analysis with emphasis on prognostic factors and radiation therapy. Shimm DS, et al. **Cancer** 1983 Dec 1;52(11):2044–8

Inoperable gastric lymphosarcoma mistaken for carcinoma: response to radiation with twenty-year survival to date. Camiel MR, et al. **Gastrointest Radiol** 1983;8(4):315–7

[Blood serum protein fractions in patients with stomach cancers at different sites following preoperative radiotherapy] Surinov BP, et al. **Radiobiol Radiother (Berl)** 1983;24(4):447–52 (Eng. Abstr.) **(Ger)**

[Current state and possibilities of radiotherapy in the interdisciplinary treatment of malignancies of the stomach, pancreas and bile ducts. I. Stomach cancer] Köster R, et al. **Strahlentherapie** 1984 Apr;160(4):224–35 (82 ref.) (Eng. Abstr.) **(Ger)**

[The sympathetic-adrenal and hypophyseal-adrenal systems in the preoperative irradiation of patients with cancer of the esophagus and cardia] Tarutinov VI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):36–9 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Rehabilitation of patients with stomach cancer at health resorts] Gnatyshak AI, et al. **Vopr Onkol** 1983;29(12):36–40 (Eng. Abstr.) **(Rus)**

[Rehabilitation of patients with cancer of the proximal section of the stomach] Volkov ON, et al. **Vopr Onkol** 1984; 30(7):85–9 (Eng. Abstr.) **(Rus)**

SECONDARY

Gastroduodenal metastases—an unusual initial manifestation of bronchogenic carcinoma. Börsch G, et al. **Endoscopy** 1984 May;16(3):118–21

Testicular choriocarcinoma with metastasis to gastric mucosa. Fleck RM, et al. **Gastrointest Endosc** 1984 Jun; 30(3):188–9

Selective peripancreatic sarcoma metastases from primary gliosarcoma. Case report. Weaver D, et al. **J Neurosurg** 1984 Sep;61(3):599–601

Gastrointestinal complications of mycosis fungoides. Slater DN, et al. **J R Soc Med** 1984 Feb;77(2):114–9

[Gastric plasmacytosarcoma in Kahler's disease] Touze JE, et al. **Rev Med Interne** 1983 Dec;4(4):365–8 **(Fre)**

[Microangiopathic hemolytic anemia in metastasized adenocarcinoma of the cardia] Brinch L, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):739–41 (Eng. Abstr.) **(Nor)**

[Lymphoma of the spleen with secondary involvement of the stomach] Varnaeva NI, et al. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):75–7 **(Rus)**

SECRETION

A pancreatic-polypeptide-producing tumor of the stomach. Solt J, et al. **Cancer** 1984 Sep 15;54(6):1101–4

Establishment of an alpha-fetoprotein-producing human gastric carcinoma in nude mice. Ezaki T, et al. **Gann** 1983 Dec;74(6):870–7

Pentagastrin stimulated gastric acid secretion in controls, peptic ulcer and carcinoma of the stomach in Thailand. Kullavanijaya P, et al. **J Med Assoc Thai** 1983 Sep;

66(9):509–18
Novel flushing provoked by volatile anesthetics in Mastomys natalensis bearing a transplantable substrain of gastric carcinoid that predominantly secretes serotonin. Hosoda S, et al. **JNCI** 1984 Jun;72(6):1437–42
Production of serotonin by a transplantable strain of histamine-producing primary gastric carcinoid of Mastomys natalensis. Suyama M, et al. **JNCI** 1984 Mar; 72(3):751–7

SURGERY

Esophagogastrectomy. A safe, widely applicable, and expeditious form of palliation for patients with carcinoma of the esophagus and cardia. Ellis FH Jr, et al. **Ann Surg** 1983 Oct;198(4):531–40
Endoscopic gastroduodenal polypectomy. Ghazi A, et al. **Ann Surg** 1984 Aug;200(2):175–80
Subcutaneous seeding of a gastric carcinoma metastasis along a transhepatic biliary tract—another case [letter] Baumgarten C, et al. **Br J Radiol** 1984 Jun;57(678):542
Stout's bizarre smooth muscle tumour of stomach. Buswell WA, et al. **Br J Surg** 1984 Jun;71(6):430
Laser recanalization of obstructing foregut cancer. Swain CP, et al. **Br J Surg** 1984 Feb;71(2):112–5
Resection line disease in stomach cancer. British Stomach Cancer Group. **Br Med J [Clin Res]** 1984 Sep 8; 289(6445):601–3
Laser irradiation of tumours of the oesophagus and gastric cardia. Krasner N, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):829
Leiomyoblastoma of the stomach: endoscopic treatment. Papazian A, et al. **Endoscopy** 1984 Jul;16(4):157–9
Endoscopic Nd:YAG laser therapy as palliative treatment for advanced adenocarcinoma of the gastric cardia. Fleischer D, et al. **Gastroenterology** 1984 Oct;87(4):815–20
Gastric polyps and polypectomy: rationale, technique, and complications. Hughes RW Jr. **Gastrointest Endosc** 1984 Apr;30(2):101–2
Large cell lymphomas of the stomach: improved prognosis with complete resection of all intrinsic gastrointestinal disease. Paulson S, et al. **J Clin Oncol** 1983 Apr;1(4):263–9
Advanced leiomyosarcoma of the stomach. Celik C, et al. **J Surg Oncol** 1984 Jun;26(2):83–5
Near-total gastrectomy. Takagi H, et al. **J Surg Oncol** 1984 May;26(1):14–6
Photodynamic effects of exposure to hematoporphyrin derivatives and dye-laser radiation on human gastric adenocarcinoma cells. Tatsuta M, et al. **JNCI** 1984 Jul; 73(1):59–67
Surgical treatment of early gastric cancer. Kitaoka H, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):283–93
Endoscopic treatment of early gastric cancer: polypectomy and laser treatment. Oguro Y, et al. **Jpn J Clin Oncol** 1984 Jun;14(2):271–82
Clinicopathologic studies of gastric cancer with metastasis to the liver—based on the cases detected at initial surgery. Yoshikawa K, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):81–6
Conservative surgery for regional lymphadenectomy in the treatment of early gastric carcinoma. Fujita Y, et al. **Jpn J Surg** 1983 May;13(3):184–90
Combination of hepatic arterial infusion and systemic chemotherapy for gastric cancer with synchronous hepatic metastases. Kano T, et al. **Jpn J Surg** 1984 Jan;14(1):23–9
Carcinoma of the stomach. Smith RC. **Med J Aust** 1984 Feb 4;140(3):126–7
Studies on the effect of oral administration of 5-FU emulsion as an adjuvant to surgical treatment of gastric cancer. Nishioka B, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2045–53
Clinical experience of the upper midline abdominal incision with the sternum-splitting transmediastinal incision. Shiba T, et al. **Nippon Geka Hokan** 1983 Jan 1;52(1):112–20
Cancer of the esophagus and cardia. Role of surgery in palliation. Ellis FH Jr. **Postgrad Med** 1984 Feb 15; 75(3):139–43, 146–8
Effects of surgical treatment and adjuvant chemotherapy studied by the depth of penetration in gastric cancer patients undergoing curative gastrectomy. Yasuna O, et al. **Surgery** 1984 Jan;95(1):78–84
Combination therapy of gastric atypical epithelium and elevated type early gastric cancer with high frequency current and laser. Asaki S, et al. **Tohoku J Exp Med** 1983 Dec;141(4):385–96
Surgical treatment for carcinoma of the gastric cardia: a modified proximal esophagogastrectomy. Valente M, et al. **Tumori** 1983 Dec 31;69(6):575–80
Early gastric cancer: results in a general hospital in Japan. Abe S, et al. **World J Surg** 1984 Jun;8(3):308–14
Gastric cancer in patients above 70 years of age. Oohara T, et al. **World J Surg** 1984 Jun;8(3):315–20
Lymph node removal for advanced gastric cancer with special reference to peritoneal metastasis. Koga S, et al. **Zentralbl Chir** 1983;108(21):1377–81
[Our experience with resection of the pancreas] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 1984;37(2):117–20 (Eng. Abstr.) **(Bul)**
[Preoperative evaluation of operability and resectability in patients with cancer of the stomach] Ivanov S, et al. **Khirurgiia (Sofiia)** 1984;37(1):71–3 (Eng. Abstr.) **(Bul)**
[Nonepithelial benign stomach tumors] Viiachki I, et al. **Khirurgiia (Sofiia)** 1983;36(3):266–8 **(Bul)**
[Unusual complications after resection of carcinoma of esophagus and gastric cardia] Chen HY. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):758–60 (Eng. Abstr.) **(Chi)**
[Endoscopic Nd-YAG laser treatment of gastrointestinal polyps] Chen PC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Aug;82(8):918–22 (Eng. Abstr.) **(Chi)**
[Cancer of the stomach—a serious problem in geriatric surgery] Linhart O. **Rozhl Chir** 1984 Feb;63(2):98–103 (Eng. Abstr.) **(Cze)**
[Surgical treatment of carcinoma of the esophagus and cardia] Pešková M, et al. **Rozhl Chir** 1984 Feb;63(2):115–21 (Eng. Abstr.) **(Cze)**
[Cancer of the esophagus and the cardia. A review with special attention to the prognosis after radical surgery] Trolle GB. **Ugeskr Laeger** 1983 Aug 8;145(32):2435–6 (Eng. Abstr.) **(Dan)**
[Treatment of resectable cancer of the stomach] Gerard A, et al. **Acta Chir Belg** 1984 Mar–Apr;84(2):76–8 (Eng. Abstr.) **(Fre)**
[Palliative treatment of cancers of the esophagus and cardia with YAG neodymium laser. (Preliminary noncontrolled trial)] Naveau S, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul; 8(6–7):545–50 (Eng. Abstr.) **(Fre)**
[Technic and transdiaphragmatic stapled anastomosis following resection of the distal esophagus in cancer of the cardia] Ulrich B, et al. **Chirurg** 1984 Apr;55(4):291–3 **(Ger)**
[Radical nature and life expectancy in the surgical treatment of esophageal and cardial carcinoma] Kunath U, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):450–3 (Eng. Abstr.) **(Ger)**
[Endoscopic polypectomy of the stomach] Haberecht B, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):246–50 (Eng. Abstr.) **(Ger)**
[Benign tumors of the esophagus and stomach] von Gottberg C, et al. **Fortschr Med** 1984 Apr 19;102(15):425–9 (Eng. Abstr.) **(Ger)**
[Effect of energy administration on the amino acid level in the postoperative phase] de Oca J, et al. **Infusionsther Klin Ernahr** 1984 Feb;11(1):26–30 (Eng. Abstr.) **(Ger)**
[Gastrectomy in the aged] Bittner R, et al. **Langenbecks Arch Chir** 1984;362(2):77–87 (Eng. Abstr.) **(Ger)**
[Stomach and colorectal tumors—stagnation?] Herfarth C. **Schweiz Med Wochenschr** 1983 Sep 10;113(36):1272–9 **(Ger)**
[Long-term observation of patients with gastric polyps] Liebe S, et al. **Z Gesamte Inn Med** 1984 Jan 15;39(2):27–9 (Eng. Abstr.) **(Ger)**
[Polypectomy of the stomach and colon. 6 years' analysis] Liebe S, et al. **Z Gesamte Inn Med** 1984 Apr 1;39(7):135–8 (Eng. Abstr.) **(Ger)**
[Surgery for stomach cancer in patients over 70] Meyer HJ, et al. **Zentralbl Chir** 1984;109(12):777–82 (Eng. Abstr.) **(Ger)**
[What does gastrectomy of the residual stomach accomplish in cancer of the gastric stump?] Schröder H, et al. **Zentralbl Chir** 1983;108(21):1391–6 **(Ger)**
[Surgical treatment of gastric cancer in a peripheral hospital] Stamler B, et al. **Harefuah** 1984 May 1;106(9):394–6 (Eng. Abstr.) **(Heb)**
[The Tomoda reconstruction after total gastrectomy: clinical study] Di Felice G, et al. **Ann Ital Chir** 1983;55(6):525–36 **(Ita)**
[Metastatic infiltration of the hepatic pedicle in patients gastrectomized for cancer. Surgical indications and long-term results] Violi V, et al. **Ann Ital Chir** 1983; 55(1):23–30 (Eng. Abstr.) **(Ita)**
[Postoperative complications in patients submitting to total gastrectomy for malignant gastric neoplasia] Bonelli R, et al. **Minerva Chir** 1983 Nov 15;38(21):1831–3 **(Ita)**
[Complications and sequelae of enlarged total gastrectomy] Cirino E, et al. **Minerva Chir** 1984 Mar 31;39(6):401–10 (Eng. Abstr.) **(Ita)**
[Total gastrectomy with mechanical sutures: real progress?] Guerrera C, et al. **Minerva Chir** 1984 Jan 15–31; 39(1–2):13–8 (Eng. Abstr.) **(Ita)**
[Treatment of the carcinoma of the esophago-gastric passage in the operated stomach] Paletto AE, et al. **Minerva Chir** 1984 Feb 15;39(3):115–9 (Eng. Abstr.) **(Ita)**
[Therapeutic trends in gastric polyps] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1984 Jan–Mar;30(1):37–42 (Eng. Abstr.) **(Ita)**
[Radiographic diagnostic problems in cancer of the gastric stump in subjects gastrectomized for ulcer over 10 years earlier] Limido G, et al. **Minerva Med** 1984 Apr 7; 75(14–15):795–9 (Eng. Abstr.) **(Ita)**
[A gastric cancer patient who underwent curative resection by angiotension-induced hypertension cancer chemotherapy] Hakuta Y, et al. **Gan No Rinsho** 1984 Jan; 30(1):66–9 (Eng. Abstr.) **(Jpn)**
[Surgical case of simultaneous triple cancers of the esophagus, stomach and colon] Hanawa K, et al. **Gan No Rinsho** 1983 Aug;29(9):1001–6 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of Borrmann type 4 (diffuse) gastric cancer] Hirono M, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):717–23 (Eng. Abstr.) **(Jpn)**
[Carcinoma of the upper portion of the stomach; proximal partial gastrectomy or total gastrectomy] Kaibara N, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1052–6 (Eng. Abstr.) **(Jpn)**
[Immunological approach and surgical treatment of cancer] Nakazato H. **Gan No Rinsho** 1983 Oct;29(13):1537–44 (Eng. Abstr.) **(Jpn)**
[Problems and present status of surgical treatment for early gastric cancer] Nishi M, et al. **Gan No Rinsho** 1984 May; 30(6 Suppl):639–42 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of carcinoma of the stomach invading to the esophago-gastric junction] Sasaki K. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1046–51 (Eng. Abstr.) **(Jpn)**
[Critical evaluation of prophylactic splenectomy in total gastrectomy for stomach cancer] Sugimachi K, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1057–60 (Eng. Abstr.) **(Jpn)**
[Clinico-pathological study and surgical treatment of cancer of the greater curvature of the stomach] Yasuna O, et al. **Gan No Rinsho** 1984 May;30(5):473–80 (Eng. Abstr.) **(Jpn)**
[Anesthetic management of dermatomyositis with malignancy] Ogino R, et al. **Masui** 1984 Feb;33(2):198–203 (Eng. Abstr.) **(Jpn)**
[Study on local resection of the tumor with preservation of the regional lymph-nodes for early gastric cancer] Kitaoka H, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Jun 20; 18(4):969–78 (Eng. Abstr.) **(Jpn)**
[Measurement of regional gastric mucosal blood flow in chronic gastric ulcer and polypectomy-induced ulcer] Murakami M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2347–51 (Eng. Abstr.) **(Jpn)**
[Carcinomatosis associated with microangiopathic hemolytic anemia and disseminated intravascular coagulation: 12 years after gastrectomy for gastric adenocarcinoma] Takeuchi R, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1423–9 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of cancer of the stomach] Michalik W, et al. **Wiad Lek** 1983 Jul 1;36(13):1041–5 (Eng. Abstr.) **(Pol)**
[Morphine as pivotal drug in total intravenous anesthesia] Cardan E, et al. **Rev Chir [Chir]** 1983 Nov–Dec; 32(6):465–74 (Eng. Abstr.) **(Rum)**
[Considerations on 1641 cases of gastric cancers hospitalized and treated for 25 years (1955–1980) in the surgical department of the Suceava District Hospital] Posteucă M, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar; 87(1):57–60 (Eng. Abstr.) **(Rum)**
[Ergokinetic analysis of the degree of surgical risk in oncological patients] Kamyshov IaM, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):5–8 (Eng. Abstr.) **(Rus)**
[Dynamics of circulating blood volume after surgery in irradiated oncological patients] Levite EM, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):58–60 (Eng. Abstr.) **(Rus)**
[Long-term results of transpleural surgery in cancer of the esophagus and cardioesophageal region] Kleshchevnikova VP. **Grudn Khir** 1984 Jan–Feb;(1):67–70 (Eng. Abstr.) **(Rus)**
[Prevention of complications of endoscopic polypectomy] Buianov VM, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):94–7 **(Rus)**
[Intraabdominal desmoid fibroma after gastrectomy for cancer] Darenskiĭ DI, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):111–2 **(Rus)**
[Simultaneous operations in multiple primary cancer of 3 organs] Fedorov VD, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):109–11 **(Rus)**
[Remote results of palliative resection of the stomach] Gerasev VV, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):53–4 (Eng. Abstr.) **(Rus)**
[Treatment results in stomach polyps] Gromova GV, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):30–4 (Eng. Abstr.) **(Rus)**
[Surgical treatment of gastric stump cancer] Guleva MN, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):63–4 (Eng. Abstr.) **(Rus)**
[Long-term observations after resection of the esophagus and cardia in relation to cancer] Kharitonov LG. **Khirurgiia (Mosk)** 1983 Sep;(9):33–6 (Eng. Abstr.) **(Rus)**
[Results of surgical treatment of stomach cancer in patients with concomitant diseases] Koshug GD, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):10–2 (Eng. Abstr.) **(Rus)**
[Surgery of the liver during surgical treatment of stomach cancer] Lur'e AS. **Khirurgiia (Mosk)** 1983 Sep;(9):71–3 (Eng. Abstr.) **(Rus)**
[Gastric resection in a pregnant woman for the treatment of a bleeding reticulosarcoma] Muginov MA, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):116–7 **(Rus)**
[Results of treatment of cancer of the proximal segment of the stomach depending on surgical approach] Musulmanbekov KZh, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):12–4 (Eng. Abstr.) **(Rus)**
[Gastrectomy and proximal resection of the stomach in cancer] Parakhoniak VI. **Khirurgiia (Mosk)** 1983 Sep; (9):44–7 (Eng. Abstr.) **(Rus)**
[Postoperative cancer of the stomach] Parakhoniak VI, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):65–8 (Eng. Abstr.) **(Rus)**
[Repeated radical operations in primary cancer of the gastric stump] Sidorenko VD. **Khirurgiia (Mosk)** 1984 Jun; (6):112–3 **(Rus)**
[Remote results of subtotal resection of the proximal section of the stomach and esophagus in cancer] Tiukhtev ME,

et al. **Khirurgiia (Mosk)** 1983 Sep;(9):36–40 (Eng. Abstr.) **(Rus)**

[Treatment of solitary metastases of malignant tumors to the liver] Klimenkov AA, et al. **Klin Khir** 1984 May;(5):14–7 (Eng. Abstr.) **(Rus)**

[Method of jejunogastroplasty after proximal resection of the stomach] Poliakov MA. **Klin Khir** 1984 May;(5):56 **(Rus)**

[Formation of an esophageo–intestinal anastomosis following gastrectomy] Zherlov GK, et al. **Klin Khir** 1983 Jul;(8):61–4 (Eng. Abstr.) **(Rus)**

[Hormonal homeostasis in the pre– and postoperative period of stomach cancer patients] Rozanova NB, et al. **Klin Med (Mosk)** 1984 Apr;62(4):97–102 (Eng. Abstr.) **(Rus)**

[Circulation of tumor cells in the blood vessels during surgical treatment of stomach cancer] Chissov VI, et al. **Sov Med** 1983;(12):47–51 **(Rus)**

[Diagnosis and treatment of malignant ulcers of the stomach] Kuzin NM, et al. **Vestn Khir** 1983 Sep;131(9):127–30 **(Rus)**

[Treatment of patients with malignant ulcer of the stomach] Mel'nikov RA, et al. **Vestn Khir** 1983 Sep;131(9):32–6 (Eng. Abstr.) **(Rus)**

[Extraperitonization of esophago–gastric and esophago–intestinal anastomoses] Rusakov VI, et al. **Vestn Khir** 1984 Apr;132(4):125–6 **(Rus)**

[Splenopancreatogastrectomy in stomach cancer] Sigal MZ, et al. **Vestn Khir** 1984 Mar;132(3):37–41 (Eng. Abstr.) **(Rus)**

[Results of treatment of early stomach cancer] Slizzow V, et al. **Vopr Onkol** 1983;29(9):59–65 (Eng. Abstr.) **(Rus)**

[Use of endoprostheses in malignant stenoses of the esophagus and cardia] Paulík J, et al. **Rozhl Chir** 1984 May;63(5):362–6 (Eng. Abstr.) **(Slo)**

[Gastric cancer: review of 122 cases] Cotano Urrutikoetxea JR, et al. **Rev Esp Enferm Apar Dig** 1983 Nov;64(5):410–4 (Eng. Abstr.) **(Spa)**

[Our criteria in the surgical treatment of benign tumors of the stomach] Serrano Sánchez PA, et al. **Rev Esp Enferm Apar Dig** 1983 Dec;64(6):519–22 (Eng. Abstr.) **(Spa)**

[Surgery of esophageal and cardial cancer. A good quality of life in long–term survival. No effect in one third of those operated on] Aberg T, et al. **Lakartidningen** 1984 Jan 25; 81(4):240–5 **(Swe)**

THERAPY

Immunochemotherapy with levamisole for stage III gastric cancer patients. Miwa H, et al. **Acta Med Okayama** 1983 Dec;37(6):483–91

Non–Hodgkin's lymphoma of the stomach. Mittal B, et al. **Am J Gastroenterol** 1983 Dec;78(12):780–7

Neoplastic gastric outflow tract obstruction relieved at endoscopy by argon laser. Swain CP, et al. **Gastrointest Endosc** 1984 Feb;30(1):31–2

A trial of adjuvant combination chemoimmunotherapy for stage III carcinoma of stomach. Akiyoshi T, et al. **J Surg Oncol** 1984 Jun;26(2):86–90

Combination chemoimmunotherapy for advanced gastric carcinoma. Akiyoshi T, et al. **Jpn J Surg** 1984 May; 14(3):185–90

Efficacy of streptococcal preparation OK–432 for gastric cancer patients—comparison between intradermal and intramuscular injection. Hanaue H, et al. **Jpn J Surg** 1984 May;14(3):191–7

Experimental and clinical results of application of antitumor vaccines obtained by means of bacterial metabolism. Zatula DG. **Neoplasma** 1984;31(1):65–74

[Use of elemental diet by patients soon after resection of esophageal or cardial carcinoma] Mu DX. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):497–501 (Eng. Abstr.) **(Chi)**

[Intubation in advanced carcinoma of the esophagus and gastric cardia] Wu SC. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):415–7 (Eng. Abstr.) **(Chi)**

[Palliative endoscopic therapy of esophageal carcinoma] Lux G, et al. **Fortschr Med** 1984 Mar 22;102(11):285–8 (Eng. Abstr.) **(Ger)**

[Treatment of macroscopical subtypes in Borrmann type 4 gastric carcinoma] Iwanaga T. **Gan No Rinsho** 1984 May; 30(6 Suppl):724–8 (Eng. Abstr.) **(Jpn)**

[Proliferation of scirrhous type of gastric carcinoma and its treatment] Kamei H, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):749–52 (Eng. Abstr.) **(Jpn)**

[Short–term intensive chemotherapy (STIC) combined with intravenous hyperalimentation in advanced stomach cancer] Maeta M, et al. **Gan To Kagaku Ryoho** 1983 Nov; 10(11):2370–6 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of gastric and rectal cancers incorporating non–radical irradiation during remission induction. I] Nakano N, et al. **Gan To Kagaku Ryoho** 1984 Feb; 11(2):247–52 (Eng. Abstr.) **(Jpn)**

[Increased cytotoxic effects of various anticancer drugs by alpha–interferon (HLBI) on human tumor xenografts in nude mice] Nosoh Y, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1623–8 (Eng. Abstr.) **(Jpn)**

[UFT–therapy and UFTM therapy—comparison of survivals in the patients with Borrmann type 4 gastric cancer treated either with UFTM–chemotherapy or operation] Suga S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):769–74 (Eng. Abstr.) **(Jpn)**

[The effect of anti–human AFP serum for AFP producing stomach cancer xenotransplanted nude mice] Takahashi Y, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):894–901 (Eng. Abstr.) **(Jpn)**

[Endoscopic preoperative intralesional injection of OK–432 in early gastric cancer] Yamane T, et al. **Gan To Kagaku Ryoho** 1984 Apr;11(4):930–4 (Eng. Abstr.) **(Jpn)**

[Combined splenectomy and immunotherapy for advanced gastric cancer] Miwa H, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20;18(7):1815–20 (Eng. Abstr.) **(Jpn)**

[The tumor—immunological significance of splenectomy for cancer therapy] Miwa H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):970–3 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies on metastatic cancer—with special reference of multidisciplinary treatment of gastric and colorectal cancer patients with hepatic metastasis] Okuyama K, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):796–9 (Eng. Abstr.) **(Jpn)**

[Results of combined treatment of cancer of the stomach taking into consideration tumor sensitivity to 5–fluorouracil] Gnatyshak AI, et al. **Klin Khir** 1984 May; (5):21–2 (Eng. Abstr.) **(Rus)**

[Combined treatment of stomach cancer patients] Ratiani MS. **Klin Khir** 1984 May;(5):10–2 (Eng. Abstr.) **(Rus)**

[Radionuclide evaluation of blood volume and its correction in surgical and combined treatment of patients with gastric cancer] Vapniar VV. **Med Radiol (Mosk)** 1984 Jan; 29(1):29–32 **(Rus)**

[Use of enteral feeding in the surgical treatment of patients with cancer of the stomach and large intestine] Pronin VI, et al. **Sov Med** 1984;(5):17–21 (Eng. Abstr.) **(Rus)**

[Use of nonhazardous laser radiation for treating the complications of patients undergoing radical surgery for esophageal and stomach cancer] Gerasimenko vN, et al. **Vopr Onkol** 1984;30(5):56–9 (Eng. Abstr.) **(Rus)**

[5–Fluorouracil treatment combined with ascorbic acid in patients with disseminated stomach cancer] Shlemkevich MP, et al. **Vrach Delo** 1984 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A serial section study of nuclear pockets and loops. Senoo A, et al. **J Submicrosc Cytol** 1984 Apr;16(2):379–86

Gastrin (G) cells in gastric carcinoma. Gavriliță L, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep;29(3):183–6

Exogastric leiomyosarcoma with ultrastructural analysis. Paone JF, et al. **South Med J** 1983 Oct;76(10):1314–7

[Epithelioid leiomyoma of the stomach—differential diagnosis and malignity] Fischer HP, et al. **Pathologe** 1983 Sep;4(5):252–6 **(Ger)**

VETERINARY

Squamous cell carcinoma found in the cardiac region of the stomach of an aged orangoutang. Ohgaki H, et al. **Gann** 1984 May;75(5):415–7

Esophageal/gastric leiomyoma in the laboratory Beagle. Culbertson R, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1168–71

Surgical, medical, and nutritional management of gastric adenocarcinoma in a dog. Elliott GS, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):98–101

Extramedullary plasmacytoma of the gastrointestinal tract in two dogs. MacEwen EG, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1396–8

STOMACH, RUMINANT

[Changes in the serum alkaline phosphatase of sheep and cattle with acute acidosis of the forestomach] Antonov S, et al. **Vet Med Nauki** 1983;20(3–4):20–7 (Eng. Abstr.) **(Bul)**

[Diseases of the stomach in cattle and sheep in Morocco] Hanschke G, et al. **Tierarztl Prax** 1983;11(4):449–54 **(Ger)**

DRUG EFFECTS

Proglumide: selective antagonism of the rumination but not gastric motor effects induced by pentagastrin in sheep. Bueno L, et al. **Life Sci** 1984 Jan 30;34(5):475–81

ENZYMOLOGY

Influence of monensin and lasalocid on mineral metabolism and ruminal urease activity in steers. Starnes SR, et al. **J Nutr** 1984 Mar;114(3):518–25

PHYSIOLOGY

Electro–mechanical coupling in the complex stomach smooth muscles. Milanov MP, et al. **Gen Pharmacol** 1984; 15(2):99–105

Pharmacology of reticulo–ruminal motor function. Ruckebusch Y. **J Vet Pharmacol Ther** 1983 Dec;6(4):245–72 (127 ref.)

STOMACH RUPTURE

COMPLICATIONS

Seromuscular laceration of the stomach associated with infantile hypertrophic pyloric stenosis in the newborn. Abe Y, et al. **Jpn J Surg** 1984 Jan;14(1):30–3

Neonatal gastric perforations; a diagnostic clue in pre–perforative phase. Kadowaki H, et al. **Jpn J Surg** 1983 Sep;13(5):446–51

[Neonatal peritonitis caused by gastric perforation. Apropos of 21 cases] Lacheretz M, et al. **Chirurgie** 1983; 109(10):887–94 (Eng. Abstr.) **(Fre)**

ETIOLOGY

'Spontaneous rupture of the stomach'. A case report. Harling H. **Acta Chir Scand** 1984;150(1):101–3

Early gastric cancer and its complications: bleeding, perforation and pyloric stenosis. Itano S. **Acta Med Okayama** 1983 Oct;37(5):431–40

Gastric rupture during cardiopulmonary resuscitation. Krause S, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):319–22

Gastric rupture complicating mouth–to–mouth resuscitation. Engelstein D, et al. **Isr J Med Sci** 1984 Jan;20(1):68–70

Rupture of stomach due to external cardiac resuscitation. Shemesh E, et al. **Isr J Med Sci** 1983 Sep;19(9):853–4

Rupture of stomach after attempted Heimlich maneuver [letter] Croom DW. **JAMA** 1983 Nov 18;250(19):2602–3

Postemetic rupture of herniated cardia of the stomach [letter] James EC. **JAMA** 1984 Jan 27;251(4):471

[Spontaneous stomach rupture in massive peptic hemorrhage] Babiak IaI, et al. **Vrach Delo** 1983 Nov;(11):63–4 **(Rus)**

[Ischemic necrosis and perforation of the lesser gastric curvature after supraselective vagotomy and an asymptomatic case] Díez Cascón A, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):313–23 (Eng. Abstr.) **(Spa)**

SURGERY

Neonatal total gastrectomy. Quak SH, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):507–8

Spontaneous rupture of the stomach. Ziv Y, et al. **Isr J Med Sci** 1984 May;20(5):427–9

STOMACH ULCER

[2 cases of perforation of an acute ulcer of the gastric fundus following thoracic surgery] Shlain BI, et al. **Gruda Khir** 1983 Jul–Aug;(4):80–1 **(Rus)**

[Acute gastroduodenal ulcers following vagotomy] Khokholia VP, et al. **Vestn Khir** 1983 Aug;131(8):97–100 (Eng. Abstr.) **(Rus)**

[Stress ulcer of the stomach in patients with intestinal fistulas after appendectomy] Zonov VF, et al. **Vestn Khir** 1984 Jun;132(6):56–7 **(Rus)**

BLOOD

Gastric ulceration and adrenocortical activity after inescapable and escapable pre–shock in rats. Murison RC, et al. **Scand J Psychol** 1982;Suppl 1:133–7

Serum group I pepsinogen (PG I) levels and their changes in the healing process of the ulcer in patients with and without unoperated recurrent ulcer. Nakanome C, et al. **Tohoku J Exp Med** 1984 Jun;143(2):239–48

[Effect of water–immersion stress on blood viscosity and gastric mucosal blood flow in rats] Murakami M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2520–4 (Eng. Abstr.) **(Jpn)**

[Blood coagulation and fibrinolysis among patients with ulcers of the stomach and duodenum] Golyshenkov SP, et al. **Klin Med (Mosk)** 1983 Jul;61(7):53–7 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in elderly patients suffering from gastric peptic ulcer] Vainshtein SG, et al. **Ter Arkh** 1984;56(2):26–8 (Eng. Abstr.) **(Rus)**

[Radioimmunoassay of secretin] Varas MJ, et al. **Rev Esp Enferm Apar Dig** 1983 Dec;64(6):499–505 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Lysophosphatidylcholine–induced gastric injury and ulceration in the guinea pig. Maksem J, et al. **Am J Pathol** 1984 May;115(2):288–95

Urine sugar reagent tablet ingestion causing gastric and duodenal ulceration. Warren JB, et al. **Arch Intern Med** 1984 Jan;144(1):161–3

Studies on the anti–inflammatory activity and ulcerogenic adverse effect of thiazole derivatives, especially 2–amino–thiazoleacetic acid derivatives. Nagatomi H, et al. **Arzneimittelforsch** 1984;34(5):599–603

Relationship between lesion formation and permeability of rat gastric mucosa to H+ and other cations. Bunce KT, et al. **Br J Pharmacol** 1982 Feb;75(2):325–31

Mucosal irritant potential of a potassium–sparing diuretic and of wax–matrix potassium chloride. Ryan JR, et al. **Clin Pharmacol Ther** 1984 Jan;35(1):90–3

Correlations between changes in indicators of gastric mucosal barrier integrity at time of exposure to 'barrier breakers' and extent of hemorrhagic erosions one hour later. Morris GP, et al. **Dig Dis Sci** 1984 Jan;29(1):6–11

Pathogenesis of gastric ulceration produced by acetazolamide in rats. Cho CH, et al. **Digestion** 1984;29(1):5–11

Changing clinical pattern of gastric ulcer: are anti–inflammatory drugs involved? Jolobe OM, et al. **Digestion** 1984;29(3):164–70

Interaction between reserpine and non–steroidal anti–inflammatory agents in producing gastric ulcers in rats. Sćepović Z, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):445–8

Experimental studies on developmental mechanism of histamine induced ulcers and ulcer inhibitory effects of histamine receptor antagonists. Kodama M, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):311–8

Comparison of aspirin and copper aspirinate with respect to gastric mucosal damage in the rat. Alich AA, et al. **J Pharm Sci** 1983 Dec;72(12):1457–61

Ulcerogenic effects of indomethacin in pregnant rats. Aguwa CN. **Jpn J Pharmacol** 1984 Feb;34(2):255–7

Rapid induction of gastric ulceration in guinea pigs by sequential exposure to a barrier breaker and indomethacin. Maclaurin BP, et al. **Pathology** 1983 Jul;15(3):265–71

Effect of pentobarbital anesthesia and bile acids on cysteamine–induced duodenal and gastric ulcers in rats. Schwedes U, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:121–4

Combined ulcerogenic effect of ethanol and acetylsalicylic acid on the gastric mucosa of the rat. Hirvonen J, et al. **Z Rechtsmed** 1983;90(4):239–46

[Lethal course of bleeding peptic ulcer in connection with glucocorticoid treatment] Sjölin SU, et al. **Ugeskr Laeger** 1984 Jan 30;146(5):357–8 (Eng. Abstr.) **(Dan)**

[Experimental studies on gastric ulcer (6). Endoscopical evaluation of healing processes of acetic acid ulcer in rats (2): Healing, recurrence and relapse of ulcer] Fukawa K, et al. **Nippon Yakurigaku Zasshi** 1984 Jan;83(1):69–77 (Eng. Abstr.) **(Jpn)**

[Structure and function of the mucous membrane of the stomach and duodenum in workers in the aluminum industry] Medvedeva VN. **Gig Tr Prof Zabol** 1983 Nov; (11):25–8 **(Rus)**

[Perforated stomach ulcer in a patient treated with pirabutol] Aleshin VP, et al. **Klin Khir** 1984 Mar;(3):62 **(Rus)**

COMPLICATIONS

Recurrent free perforation in gastroduodenal Crohn's disease. Katz S, et al. **Am J Gastroenterol** 1983 Nov;78(11):722–5

Perforated posterior peptic ulcer associated with gallbladder agenesis and midgut malrotation. Al–Fallouji MA. **Br J Clin Pract** 1983 Oct;37(10):353–6, 358

Peptic ulcer in Reye's syndrome. Manning R, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1105

Optimal timing of operation for bleeding peptic ulcer: prospective randomised trial. Morris DL, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1277–80

Somatostatin in the treatment of severe gastrointestinal bleeding from peptic origin. A multicentric controlled trial. Basile M, et al. **Ital J Surg Sci** 1984;14(1):31–5

Gastrocolic fistula secondary to benign gastric ulcer: report of a case and review of the literature. Rosenthal RE, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):60–1

Intrathoracic hernia of colon transversum and stomach complicated by gastric ulcer and volvulus: an unusual complication. Roosens B, et al. **J Belge Radiol** 1983; 66(3):207–9

Long–term follow–up of duodenal ulcer patients. Elashoff JD, et al. **J Clin Gastroenterol** 1983 Dec;5(6):509–15

Duodenogastric reflux in patients with gastric ulcer disease. Boyle JM, et al. **J Lab Clin Med** 1984 Jan;103(1):14–21

16,16–Dimethyl prostaglandin E2 reverses focal mucosal ischemia associated with stress ulcers. Gaskill HV 3d, et al. **J Surg Res** 1984 Jul;37(1):83–8

The incidence of duodenogastric reflux in peptic ulcer disease. Wolverson RL, et al. **Scand J Gastroenterol [Suppl]** 1984;92:149–50

Reassessment of Graham–Steele closure in acute perforated peptic ulcer. Fallat ME, et al. **South Med J** 1983 Oct; 76(10):1222–4

Penetrating peptic ulcer and aortic aneurysm with aortogastric fistula. Jensen MH, et al. **Surgery** 1984 Jun; 95(6):756–8

[Pneumopericardium caused by a benign penetrating stomach ulcer] Ostergård M, et al. **Ugeskr Laeger** 1984 Apr 9; 146(15):1140–1 (Eng. Abstr.) **(Dan)**

[Hemorrhagic gastroduodenal ulcers in patients over 75 years of age. Clinical study and therapeutic aspects. Apropos of 33 cases] Chaouat AG, et al. **Ann Chir** 1984 May; 38(4):290–5 (Eng. Abstr.) **(Fre)**

[Symptomatology and therapy of atypical perforations of gastrointestinal ulcers] Jetter H, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):251–4 (Eng. Abstr.) **(Ger)**

[Choice of method and long–term results of therapy for complicated gastric ulcers] Kujat R, et al. **Zentralbl Chir** 1983;108(21):1350–7 (Eng. Abstr.) **(Ger)**

[A case report of acquired double pylorus] Ishine M, et al. **Rinsho Hoshasen** 1984 Apr;29(4):515–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of stomach cancer in the early stage accompanied by gastric cancer] Shirai M, et al. **Rinsho Hoshasen** 1983 Jul;28(7):751–6 (Eng. Abstr.) **(Jpn)**

[Early cancer in a patient with stomach ulcer] Milewski J, et al. **Wiad Lek** 1984 Jan 15;37(2):152–4 (Eng. Abstr.) **(Pol)**

[Treatment of perforated gastroduodenal ulcer in the free peritoneum] Zampieri NA, et al. **AMB** 1984 Jan–Feb; 30(1–2):36–9 (Eng. Abstr.) **(Por)**

[The concomitance of ulcerative disease and biliary lithiasis] Oancea T, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):347–52 (Eng. Abstr.) **(Rum)**

[Association of neuromuscular diseases of the cardia (cardiospasm and achalasia of the cardia) with gastroduodenal ulcers] Chernousov AF, et al. **Grudn Khir** 1983 Jul–Aug;(4):63–7 (Eng. Abstr.) **(Rus)**

[Surgical procedure in hemorrhaging gastric and duodenal ulcers (a review of the literature for 1978–1982)] Bachev II. **Khirurgiia (Mosk)** 1984 Mar;(3):137–40 (52 ref.) **(Rus)**

[Acute ulcerative hemorrhages in injuries in late middle–aged and elderly persons] Iumashev GS, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):87–8 (Eng. Abstr.) **(Rus)**

[Perforation of gastroduodenal ulcers against a background of neurological and mental diseases] Papazov FK, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):88–90 **(Rus)**

[Bleeding from the digestive tract of patients with burns] Sveshnikov AI. **Khirurgiia (Mosk)** 1984 Apr;(4):59–62 (Eng. Abstr.) **(Rus)**

[Tactics of the surgeon in peptic ulcer in persons with nonspecific inflammatory diseases of the lungs] Chernobrovyĭ NP, et al. **Klin Khir** 1983 Jul;(8):58–9 (Eng. Abstr.) **(Rus)**

[Acute gastric ulcers complicated by hemorrhage and gastromalacia] Kholiavko VK, et al. **Klin Khir** 1984 Apr; (4):48–9 **(Rus)**

[Perforating stress ulcers after cholecystectomy] Shavarov IG, et al. **Klin Khir** 1983 Oct;(10):62–3 **(Rus)**

[Organ–sparing approach to the surgical treatment of bleeding ulcers localized in the stomach] Zaĭtsev VT, et al. **Klin Khir** 1983 Jul;(8):5–8 (Eng. Abstr.) **(Rus)**

[Erosive, ulcerative changes in the stomach and duodenum in cholelithiasis] Zemskov VS, et al. **Klin Khir** 1983 Jul; (8):68–71 (66 ref.) **(Rus)**

[Aggregating function of blood platelets in patients with ulcers complicated by bleeding] Fisher AA, et al. **Klin Med (Mosk)** 1983 Jul;61(7):61–6 (Eng. Abstr.) **(Rus)**

[Stomach ulcer associated with duodenal ulcer] Samokhvalov AV, et al. **Klin Med (Mosk)** 1984 May;62(5):14–20 (72 ref.) **(Rus)**

[Various clinical aspects of ulcers associated with hypertension] Grebenev AL, et al. **Sov Med** 1983;(10):12–8 (Eng. Abstr.) **(Rus)**

[Surgical tactics in acute hemorrhage from the upper segments of the digestive tract] Eriukhin IA, et al. **Vestn Khir** 1983 Dec;131(12):14–8 (Eng. Abstr.) **(Rus)**

[Rupture of the stomach and duodenum at the ulcer sites] Iaremchuk AIa, et al. **Vestn Khir** 1984 Mar;132(3):102–3 **(Rus)**

[Diagnosis and treatment of malignant ulcers of the stomach] Kuzin NM, et al. **Vestn Khir** 1983 Sep;131(9):127–30 **(Rus)**

[Perforation of a stomach ulcer in a newborn infant] Nuritdinov KhN. **Vestn Khir** 1983 Aug;131(8):77 **(Rus)**

[Obligatory conservative treatment of perforated stomach ulcer] Rzaev NA. **Vestn Khir** 1984 Mar;132(3):102 **(Rus)**

[Malignant transformation of chronic stomach ulcer] Vinner MG, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):13–7 (Eng. Abstr.) **(Rus)**

[Association of stomach ulcer and lymphosarcoma (a case report)] Eremin VA. **Vopr Onkol** 1984;30(3):84–6 **(Rus)**

[Spontaneous stomach rupture in massive peptic hemorrhage] Babiak IaI, et al. **Vrach Delo** 1983 Nov;(11):63–4 **(Rus)**

[Complication of stomach phytobezoars] Miagkov II, et al. **Vrach Delo** 1983 Jun;(6):86–8 **(Rus)**

[Gastrojejunocolic fistulas: apropos of 4 cases] Arévalo Jiménez E, et al. **Rev Esp Enferm Apar Dig** 1983 Nov; 64(5):420–5 (Eng. Abstr.) **(Spa)**

[Gastroduodenal ulcer perforation. Study of 2200 cases. 1] Rodríguez Montes JA, et al. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):170–4 (Eng. Abstr.) **(Spa)**

[Perforated peptic ulcer: primary closure or definitive surgery?] Gómez Maganda y Silva T, et al. **Rev Gastroenterol Mex** 1983 Apr–Jun;48(2):83–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Absence of abdominal pain in elderly patients with peptic ulcer. Clinch D, et al. **Age Ageing** 1984 Mar;13(2):120–3

Regenerated splenosis masquerading as gastric fundic mass. Agha FP. **Am J Gastroenterol** 1984 Jul;79(7):576–8

Clinical interest of seric CA19.9 determination in differential diagnosis of patients with peptic ulcers and gastric cancer [letter] Ruibal A, et al. **Bull Cancer (Paris)** 1983; 70(5):438–40

Usefulness of carcinoembryonic antigen measurement in gastric juice of patients with gastric disorders. Micali B, et al. **J Clin Gastroenterol** 1983 Oct;5(5):411–5

Are acid secretory tests of diagnostic value in patients with benign–looking gastric ulcers? Neeman A, et al. **S Afr Med J** 1984 Jun 23;65(25):1012–4

[Early stomach carcinoma mimicking gastric ulcer] Plantinga ER, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):295–9 (Eng. Abstr.) **(Dut)**

[This stomach cancer healed before it was even clinically suspected] Gareau R. **Union Med Can** 1984 Apr; 113(4):332–3 **(Fre)**

[Sonography and endoscopy as complementary study methods. Case report] Farrenkopf E. **Ultraschall Med** 1983 Mar;4(1):52–6 (Eng. Abstr.) **(Ger)**

[Pyloric channel ulcer in an infant] Granot E, et al. **Harefuah** 1984 Mar 15;106(6):261–2 (Eng. Abstr.) **(Heb)**

[Benign and malignant gastric ulcers: is their localization relevant in their differential diagnosis?] Leandro G, et al. **Minerva Med** 1983 May 12;74(20):1167–72 (Eng. Abstr.) **(Ita)**

[Value and limitations of basal and stimulated gastrinemia (RIA) in gastric ulcer, duodenal ulcer and chronic gastritis] Gheorghescu B, et al. **Rev Med Interna [Med Interna]** 1984 Mar–Apr;36(2):131–40 (Eng. Abstr.) **(Rum)**

[Differential diagnosis of cancer and benign lesions of the stomach] Mysh GD, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):6–9 (Eng. Abstr.) **(Rus)**

[Detection of high cancer risk groups during preventive examinations of subjects with chronic stomach diseases] Borelko EN, et al. **Sov Med** 1983;(12):90–1 **(Rus)**

[Diagnosis and treatment of masked perforated gastroduodenal ulcers] Myshkin KI, et al. **Sov Med** 1984; (3):105–7 **(Rus)**

[Various endoscopic aspects of gastric ulcer] Hoffenberg P, et al. **Rev Med Chil** 1983 Jun;111(6):579–83 (Eng. Abstr.) **(Spa)**

DIET THERAPY

[Clinico–instrumental studies of the digestive system during diet therapy using culinary products prepared in ultra–high frequency ovens] Kvitnitskiĭ ME, et al. **Vopr Pitan** 1984 Jan–Feb;(1):18–21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A gastroprotective anti–inflammatory agent: the beta–morpholinoethyl ester of niflumic acid (morniflumate). Schiantarelli P, et al. **Agents Actions** 1984 Feb;14(2):247–56

Effects of FPL–52694, a new mast cell stabilizer, on gastric secretion and various acute gastric lesions in rats. Takeuchi K, et al. **Agents Actions** 1984 Jun;14(5–6):637–42

A prospective study of relationships between benign gastric ulcer, Candida, and medical treatment. Minoli G, et al. **Am J Gastroenterol** 1984 Feb;79(2):95–7

The use of one gram daily cimetidine in the treatment of peptic ulcer in Singapore. Kang JY, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):545–7

Medical management of gastric ulcer. LaBrooy SJ. **Ann Acad Med Singapore** 1983 Oct;12(4):548–54 (67 ref.)

Ranitidine in the treatment of gastric, prepyloric and duodenal ulcer—a controlled prospective double–blind trial. Darle N, et al. **Ann Clin Res** 1984;16(1):6–9

Treatment of gastroduodenal ulcers with carbonic anhydrase inhibitors. Puşcaş I. **Ann NY Acad Sci** 1984;429:587–91

Treatment of gastric ulcer with carbonic anhydrase inhibitors. Vălean S, et al. **Ann NY Acad Sci** 1984; 429:597–600

Tricyclic antidepressant therapy for peptic ulcer disease. Ries RK, et al. **Arch Intern Med** 1984 Mar;144(3):566–9 (42 ref.)

Medical and surgical treatment of chronic gastric ulcer. Kelly KA, et al. **Clin Gastroenterol** 1984 May;13(2):621–34 (44 ref.)

Ranitidine in the treatment of peptic ulcer. Makalinao AU, et al. **Clin Ther** 1984;6(2):185–92

Effects of an antiulcer drug, sucralfate (a basic aluminum salt of sulfated disaccharide), on experimental gastric lesions and gastric secretion in rats. Okabe S, et al. **Dig Dis Sci** 1983 Nov;28(11):1034–42

Effects of a proton pump inhibitor, omeprazole, on gastric secretion and gastric and duodenal ulcers or erosions in rats. Yamamoto O, et al. **Dig Dis Sci** 1984 May; 29(5):394–401

Comparison of ranitidine and cimetidine in the treatment of chronic gastric ulcer. A double–blind trial. Kellow JE, et al. **Digestion** 1983;27(2):105–10

Effect of H2–receptor blockade by ranitidine on ulcer healing and gastric acid secretion in patients with gastric and duodenal ulcers. Forssell H, et al. **Eur J Clin Pharmacol** 1983;25(2):195–8

Single blind comparative study of ranitidine and cimetidine in patients with gastric ulcer. The Belgian Peptic Ulcer Study Group. **Gut** 1984 Sep;25(9):999–1002

Factors influencing the healing rate of gastric ulcer in hospitalised subjects. Okada M, et al. **Gut** 1984 Aug; 25(8):881–5

Ranitidine vs cimetidine: short–term treatment of gastric ulcer. Barbara L, et al. **Hepatogastroenterology** 1983 Aug; 30(4):151–3

A study of the effects of tamrabhasma, an indigenous preparation of copper on experimental gastric ulcers & secretion. Pandey BL, et al. **Indian J Exp Biol** 1983 May; 21(5):258–64

Anti–inflammatory derivatives of indan–1–acetic acids with low gastric irritancy. Roy A, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):329–33

Gastric cytoprotection by pirenzepine: role of endogenous catecholamines. Bernardini C, et al. **Int J Tissue React** 1984; 6(2):175–80

A controlled clinical trial with De–Nol (tripotassium dicitrato bismuthate) in patients with gastric ulcer. Patty I, et al.

Int J Tissue React 1983;5(4):397–401

Cytoprotective effect of vitamin A and its clinical importance in the treatment of patients with chronic gastric ulcer. Patty I, et al. **Int J Tissue React** 1983;5(3):301–7

The effect of iron treatment on serum ferritin concentrations and bone marrow stainable iron in iron deficient out-patients with gastritis, gastric ulcer and duodenal ulcer. Harju E, et al. **J Int Med Res** 1984;12(1):56–8

Therapeutic and preventive effects of saponin of ginseng fruit on experimental gastric ulcers. Zhang SC, et al. **J Tradit Chin Med** 1984 Mar;4(1):45–50

Antiulcer activity of clotiazepam in rats. Haga K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):381–7

Effect of synthetic acyclic polyisoprenoids on the cold-restraint stress induced gastric ulcer in rats. Murakami M, et al. **Jpn J Pharmacol** 1983 Jun;33(3):549–56

Effect of an anti-ulcer agent, 2'-carboxymethoxy-4, 4'-bis (3-methyl-2-butenyloxy) chalcone (SU-88), on the biosynthesis of gastric sulfated mucosubstances in restrained and water-immersed rats. Suwa T, et al. **Jpn J Pharmacol** 1984 Jan;34(1):89–94

Cimetidine for benign gastric ulcer [letter] McKegney FP. **N Engl J Med** 1983 Dec 1;309(22):1386–7

A comparison of 4-week peptic ulcer healing rates following treatment with antacids and ranitidine. Bezuidenhout DJ, et al. **S Afr Med J** 1984 Jun 23;65(25):1007–9

Gastric ulcer healing with ranitidine and cimetidine. A multicentre study. Baron JH, et al. **Scand J Gastroenterol** 1983 Oct;18(7):973–6

Effect of ranitidine and cimetidine on gastric ulcer healing and recurrence. Dawson J, et al. **Scand J Gastroenterol** 1984 Jul;19(5):665–8

Comparative randomized, double-blind study of oxmetidine versus cimetidine for short-term treatment of duodenal and prepyloric ulceration. Lööf L, et al. **Scand J Gastroenterol** 1983 Oct;18(7):839–43

Additional antacid does not increase the effect of cimetidine in gastric ulcer disease. Rune SJ, et al. **Scand J Gastroenterol** 1984 Jan;19(1):56–8

Effect of ranitidine on the content of glyceroglucolipids in gastric secretion of patients with gastric and duodenal ulcer. Sarosiek J, et al. **Scand J Gastroenterol** 1984 Jul; 19(5):650–4

Treatment of gastric ulcer with ranitidine. Schulz TB, et al. **Scand J Gastroenterol** 1984 Jan;19(1):119–21

Comparative study of cimetidine and trimipramine in the short-term treatment of duodenal and gastric ulcer. Valnes K, et al. **Scand J Gastroenterol** 1983 Jan;18(1):33–8

Sucralfate, and cimetidine for gastric ulcer. Lahtinen J, et al. **Scand J Gastroenterol [Suppl]** 1983;83:49–51

Relapse rates following initial ulcer healing with sucralfate and cimetidine. Marks IN, et al. **Scand J Gastroenterol [Suppl]** 1983;83:53–6

Short-term treatment with sucralfate or cimetidine in gastric ulcer: preliminary results of a controlled randomized trial. Martin F, et al. **Scand J Gastroenterol [Suppl]** 1983;83:37–41

Influence of 'cytoprotective' drugs (carbenoxolone, zolimidine, prostanoic acid) on mucus secretion in patients with gastric ulcer. Parodi MC, et al. **Scand J Gastroenterol [Suppl]** 1984;92:163–6

Comparison of sucralfate and cimetidine in the treatment of duodenal and gastric ulcers. A multicenter study. Pop P, et al. **Scand J Gastroenterol [Suppl]** 1983;83:43–7

[The protective effects of furazolidone and some commonly used anti-ulcer drugs on several gastric ulcer models in rats] Zhang SR, et al. **Yao Hsueh Hsueh Pao** 1984 Jan; 19(1):5–11 (Eng. Abstr.) **(Chi)**

[Clinical problems in the diagnosis and treatment of duodenal ulcer and stomach ulcer. A report] Andersen D, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1055–7 **(Dan)**

[Treatment of stomach ulcers with cimetidine and pirenzepine] Gonvers JJ, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):706–8 (Eng. Abstr.) **(Fre)**

[Changes in the transmural electric potential difference in the region of stomach ulcer. Local effect of sucralfate, aluminum hydroxide and magnesium trisilicate] Möckel W, et al. **Fortschr Med** 1984 Jul 12;102(25–26):709–12 (Eng. Abstr.) **(Ger)**

[Antisecretory and mucosa-protecting drugs in the acute care of peptic ulcer. Review of action principles, healing rates and side effects of approved ulcer drugs and drugs under clinical trial] Simon B, et al. **Fortschr Med** 1984 Jul 12; 102(25–26):683–7 **(Ger)**

[Pathogenesis, diagnosis and therapy of ulcer diseases. 6. Therapy. Pharmacologic principles and antacid therapy] **Med Welt** 1983 Nov 25;34(47):14–8 **(Ger)**

[Pathogenesis, diagnosis and therapy of ulcer disease. Therapy. 3: Pharmacologic basis and therapy with pirenzepine] **Med Welt** 1983 Dec 2;34(48):14–7 **(Ger)**

[Pathogenesis, diagnosis and therapy of ulcer disease. Therapy. 4: Pharmacological basis and therapy with H2 antagonist] **Med Welt** 1983 Dec 9;34(49):20, 22 **(Ger)**

[Changes in serum prolactin during short-term treatment with cimetidine and ranitidine in males with ulcer] Biagi P, et al. **Clin Ter** 1984 May 31;109(4):345–8 (Eng. Abstr.) **(Ita)**

[Tripotassium dicitrato bismuthate in the therapy of peptic ulcer: comparison with ranitidine in short-term treatment] Capurso L, et al. **Clin Ter** 1984 May 31;109(4):335–44 (Eng. Abstr.) **(Ita)**

[Clinical importance of antagonists of histamine H2 receptors in gastroenterology] Carella G. **Clin Ter** 1984 Mar 31; 108(6):525–9 (31 ref.) (Eng. Abstr.) **(Ita)**

[Efficacy of anti-ulcer agents judged from background factors of stomach ulcer] Fukuchi S, et al. **Nippon Rinsho** 1984 Jan;42(1):144–9 **(Jpn)**

[Stomach ulcer and drug therapy] Nomiyama T, et al. **Nippon Rinsho** 1984 Jan;42(1):163–8 **(Jpn)**

[Choice of anti-ulcer agents for stomach ulcer based on patient's history and endoscopic observation] Okada M, et al. **Nippon Rinsho** 1984 Jan;42(1):139–43 **(Jpn)**

[Effects of 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), an omega-aminoalkoxybenzene derivative, on the gastric lesions induced by conditioned emotional stimulus] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):323–31 (Eng. Abstr.) **(Jpn)**

[Combined effect of FM-100 and several anti-ulcer agents on ulcer induced by ligation of the pylorus in rats] Nakamura K, et al. **Nippon Yakurigaku Zasshi** 1983 Jul; 82(1):11–8 (Eng. Abstr.) **(Jpn)**

[Anti-ulcerogenic and cytoprotective effects of trimoprostil (Ro 21-6937), a trimethylprostaglandin E2 derivative] Ohno T, et al. **Nippon Yakurigaku Zasshi** 1983 Aug; 82(2):131–47 (Eng. Abstr.) **(Jpn)**

[Origins, processing, and qualities of crude drugs (1). Preventive effects of a Chinese crude drug, Zhu, on experimental stomach ulcer and its pharmacological evaluation. 1] Kubo M, et al. **Yakugaku Zasshi** 1983 Apr; 103(4):442–8 (Eng. Abstr.) **(Jpn)**

[Treatment of gastroduodenal ulcer with inhibitors of beta-adrenergic and gastric sensory receptors. Experimental and clinical study with the 'Proxizin' preparation] Banciu T, et al. **Rev Med Interna [Med Interna]** 1983 Mar-Apr;35(2):153–66 (Eng. Abstr.) **(Rum)**

[Effect of 1-(chloromethyl)silatrane on biochemical indices in the tissue of experimental gastric ulcer] Kuznetsov IG, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):658–60 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of plant polysaccharides on the inflammatory process and regeneration in chronic stomach ulcer] Lavrenova GIu, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):85–9 (Eng. Abstr.) **(Rus)**

[Use of neurotropic agents stimulating tissue trophic processes in treating ulcerative lesions of the gastric mucosa] Zavodskaia IS, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):23–8 (Eng. Abstr.) **(Rus)**

[Treatment of peptic ulcer with ulcosilvanil] Grigor'ev PIa, et al. **Sov Med** 1984;(2):102–4 **(Rus)**

[Comparative evaluation of the efficacy of complex anti-ulcer therapy and monotherapy] Grigor'ev PIa, et al. **Sov Med** 1984;(2):100–1 **(Rus)**

[Clinical role of methyluracil in combined treatment of patients with peptic ulcer] Asauliuk IK, et al. **Vrach Delo** 1983 Jul;(7):32–5 **(Rus)**

[Therapeutic efficacy of preparations containing amino acids in combined treatment of patients with peptic ulcer] Degtiareva II. **Vrach Delo** 1983 Jun;(6):67–71 **(Rus)**

[Combination of cholinolytics and insulin in the treatment of patients with peptic ulcer relapse] Kushnir VE, et al. **Vrach Delo** 1983 Jul;(7):29–32 **(Rus)**

[Therapeutic use of aloe in experimental stomach ulcers] Sotnikova EP. **Vrach Delo** 1984 Jun;(6):71–4 (Eng. Abstr.) **(Rus)**

[Use of solcoseryl in the treatment of peptic ulcer] Vakhrushev IaM, et al. **Vrach Delo** 1983 Sep;(9):92–4 (Eng. Abstr.) **(Rus)**

[Open study of ranitidine in short-term treatment of gastroduodenal ulcer] Varas MJ, et al. **Rev Esp Enferm Apar Dig** 1984 Apr;65(4):349–52 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Correlation between glandular kallikrein and experimental gastric ulcer in rats] Suzuki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1709–19 (Eng. Abstr.) **(Jpn)**

[Protease spectrum of dog's gastric mucosa under normal conditions and in experimental ulcer formation] Amirov NSh, et al. **Patol Fiziol Eksp Ter** 1983 Sep-Oct;(5):75–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Continuous monitoring of gastric movements in rats subjected to restraint. Baltás B, et al. **Acta Chir Hung** 1984; 25(2):125–37

Cytoprotection and 6-keto-prostaglandin-F1 alpha. Bálint GA, et al. **Acta Physiol Hung** 1983;61(4):233–5

Aetiology of peptic ulcer. Lam SK. **Ann Acad Med Singapore** 1983 Oct;12(4):498–506 (108 ref.)

Non-gastrin secretogogue in ulcerogenic tumors of the pancreas. Chey WY, et al. **Ann Intern Med** 1984 Jul; 101(1):7–13

The bed nucleus of the stria terminalis and immobilization-stress: unit activity, escape behaviour, and gastric pathology in rats. Henke PG. **Behav Brain Res** 1984 Jan;11(1):35–45

Pathogenesis of gastric erosions. Cohen MM. **Can J Surg** 1983 Nov;26(6):485–6

Lysosomal enzymes and acute gastric erosions: a review. Himal HS. **Can J Surg** 1983 Nov;26(6):490–1,497 (36 ref.)

Pathogenesis and pathophysiology of gastric ulcer. Alexander-Williams J, et al. **Clin Gastroenterol** 1984 May; 13(2):601–19 (96 ref.)

Pathogenesis, diagnosis and treatment of acute gastric mucosal lesions. Marrone GC, et al. **Clin Gastroenterol** 1984 May;13(2):635–50 (61 ref.)

Role of mast cell mediators in pathogenesis of anaphylactic gastric ulcer. André F, et al. **Digestion** 1983;28(2):108–13

The possible role of bicarbonate in mucosal protection and peptic ulceration. Vadgama P, et al. **Digestion** 1983; 27(4):203–13

Effect of central dopamine, histamine & 5-hydroxytryptamine on stress-induced gastric ulceration in rats. Gupta MB, et al. **Indian J Med Res** 1983 Aug; 78:281–3

Effect of adrenalectomy and administration of prednisolone on gastric ulcer formation in forestomachectomized Shay albino rats. Ahamed RN, et al. **Indian J Physiol Pharmacol** 1983 Oct-Dec;27(4):298–304

Some metabolic and biochemical alterations during the development of stress ulcers in rats forced to swim. Nagy L, et al. **Int J Tissue React** 1983;5(4):363–71

Influence of steroids on the prevention or aggravation of stress gastric ulcer in rats. Bayer I, et al. **Isr J Med Sci** 1984 Mar;20(3):254–6

Massive gastric hemorrhage: an unusual complication of Henoch-Schönlein purpura. Weber TR, et al. **J Pediatr Surg** 1983 Oct;18(5):576–8

Gastric lesions produced by conditioned emotional stimuli in the form of affective communication and effects of benzodiazepines. Ichimaru Y, et al. **Life Sci** 1984 Jan 9; 34(2):187–92

A method for induction of cold, indomethacin and restraint ulcers in rats. Weischer CH, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):315–9

Effects of catecholamine agonist and antagonist drugs on acute stomach ulceration induced by medial hypothalamic lesions in rats. Nobrega JN, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):831–8

Environmental and genetic effects on food-deprivation induced stomach lesions in male rats. Driscoll P, et al. **Physiol Behav** 1983 Aug;31(2):225–8

Canine gastric ulcer produced by hemorrhagic shock and aspirin. Casalnuovo CA, et al. **Scand J Gastroenterol** 1984 Jun;19(4):487–91

The possible role of duodenogastric reflux in the pathogenesis of both gastric and duodenal ulcers. Thomas WE. **Scand J Gastroenterol [Suppl]** 1984;92:151–5

[Bezoar with real and simulated complications] Vonesch HJ, et al. **Dtsch Med Wochenschr** 1984 Mar 16;109(11):426–9 (Eng. Abstr.) **(Ger)**

[Liver cirrhosis and duodenogastric reflux—on the problem of the hepatogenic ulcer] Kliems G, et al. **Langenbecks Arch Chir** 1983;360(2):109–18 (Eng. Abstr.) **(Ger)**

[Ulcer risk caused by reflux prevention? Results of jejunal interposition] Schumpelick V, et al. **Langenbecks Arch Chir** 1983;360(3):179–91 (Eng. Abstr.) **(Ger)**

[Lesions of the gastric mucosa caused by blunt abdominal injury] Maurer G, et al. **Z Gesamte Inn Med** 1984 Mar 15;39(6):105–6 (Eng. Abstr.) **(Ger)**

[Experimental study on acute gastric ulceration in rat—including influence of obstructive jaundice and vagotomy] Miyakawa H, et al. **Nippon Geka Gakkai Zasshi** 1983 Feb;84(2):113–8 (Eng. Abstr.) **(Jpn)**

[Double regulatory mechanism—role of blood flow and gastric mucin in the etiology of stomach ulcer] Nagao F, et al. **Nippon Rinsho** 1984 Jan;42(1):27–33 **(Jpn)**

[Etiological considerations of chronic and acute gastric ulcer] Ohida M, et al. **Nippon Rinsho** 1984 Jan;42(1):17–21 **(Jpn)**

[Chronic gastric ulcer induced by duodenogastric reflux in rats] Kaminishi M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1173–80 (Eng. Abstr.) **(Jpn)**

[Role of dopamine receptors in the mechanism of formation of stress-induced stomach lesions] Groisman SD, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):57–60 (Eng. Abstr.) **(Rus)**

[Interaction of different protease systems in the development of ulcerous lesions of the gastric mucosa] Amirov NSh, et al. **Patol Fiziol Eksp Ter** 1984 Mar-Apr;(2):47–50 (Eng. Abstr.) **(Rus)**

[Experimental dystrophy of the stomach in rats of different ages] Voitenko GN, et al. **Patol Fiziol Eksp Ter** 1984 Mar-Apr;(2):51–2 (Eng. Abstr.) **(Rus)**

[Acid-peptic factor and the basal gastrin content of the blood as risk factors for ulcer formation in patients with chronic kidney failure] Ryss ES, et al. **Ter Arkh** 1984;56(2):23–6 (Eng. Abstr.) **(Rus)**

[Pathology of the gastric stump] Petrov VP, et al. **Vestn Khir** 1984 May;132(5):29–32 (Eng. Abstr.) **(Rus)**

[Gastroduodenal ulcers and their complications in kidney transplantation] Potashov LV, et al. **Vestn Khir** 1983 Jul; 131(7):122–4 (Eng. Abstr.) **(Rus)**

[Chronic gastritis as a risk factor for gastric peptic ulcer] Biriuchinskii BI, et al. **Voen Med Zh** 1984 Feb;(2):56–7 **(Rus)**

[Pathogenesis, clinical manifestations, diagnosis and treatment

of symptomatic gastroduodenal ulcers] Kalinin AV. **Voen Med Zh** 1983 Jul;(7):37–41 **(Rus)**

FAMILIAL & GENETIC

Genetically obese (ob/ob) mice are predisposed to gastric stress ulcers. Greenberg D, et al. **Behav Neurosci** 1984 Jun; 98(3):435–40

Genetic and histological aspects of stomach lesions induced by systemic injection of phenylbutazone in the rat. Driscoll P, et al. **Experientia** 1984 Sep 15;40(9):967–9

HISTORY

[Ulcers: a celebrated past, an uncertain future?] Gonvers JJ. **Rev Med Suisse Romande** 1984 May;104(5):387–94 **(Fre)**

IMMUNOLOGY

[Analysis of T lymphocyte subsets by monoclonal antibodies in gastric cancer patients] Aoike A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1099 **(Jpn)**

[Immune shifts in patients with ulcerative diseases of the stomach and small intestine] Murzagalin DK, et al. **Sov Med** 1983;(11):13–7 (Eng. Abstr.) **(Rus)**

[Relation of immunity indices with clinical manifestations of peptic ulcer] Lukash NV, et al. **Vrach Delo** 1983 Dec; (12):46–8 (Eng. Abstr.) **(Rus)**

[Changes in the indices of cellular and humoral immunity in patients with gastrointestinal ulcer] Perederil VG, et al. **Vrach Delo** 1983 Aug;(8):83–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Cellular energy systems and reserpine ulcer in rats. Mózsik G, et al. **Acta Physiol Hung** 1983;62(2):107–12

Acid secretory capacity in gastric ulcer of the elderly. Wu XN, et al. **Chin Med J [Engl]** 1983 Apr;96(4):298–300

Metronidazole kinetics and bioavailability in patients undergoing gastrointestinal surgery. Thiercelin JF, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):510–9

Specific binding of sucralfate in gastric ulcer and gastritis. Sasaki H, et al. **Clin Ther** 1983;5(5):545–57

Local fibrinolytic activity and its structural basis in experimental gastric ulcers. Stenberg B, et al. **Eur J Clin Invest** 1983 Aug;13(4):297–300

Pentagastrin stimulated gastric acid secretion in controls, peptic ulcer and carcinoma of the stomach in Thailand. Kullavanijaya P, et al. **J Med Assoc Thai** 1983 Sep; 66(9):509–18

Changes in synthetic activity of sulfated mucosubstances in healing process of acetic acid ulcer in rats and effect of anti-ulcer agents. Suwa T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):480–2

Pharmacokinetics of paracetamol in patients with gastric and duodenal ulcers. Wójcicki J, et al. **Pol J Pharmacol Pharm** 1984 Jan–Feb;36(1):59–63

Interrelationships between membrane-bound ATP-dependent energy systems, gastric mucosal damage produced by NaOH, hypertonic NaCl, HCl, and alcohol, and prostacyclin-induced gastric cytoprotection in rats. Mózsik G, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):423–36

Lysolecithin and glyceroglucolipids in gastric secretion of patients with gastric and duodenal ulcer. Sarosiek J, et al. **Scand J Gastroenterol** 1983 Oct;18(7):935–8

Sham feeding–pentagastrin test in healthy subjects and peptic ulcer patients. Skoubo-Kristensen E. **Scand J Gastroenterol** 1984 Jun;19(4):461–6

Prostaglandins in peptic ulcer disease: effect of nonsteroidal anti-inflammatory compounds (NOSAC). Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984;92:250–4

[Quantitative variations of glycosaminoglycans in the gastric mucosa in inflammatory gastropathy and gastric ulcer. Preliminary study] Gnavi M, et al. **Minerva Dietol Gastroenterol** 1983 Oct–Dec;29(4):299–302 (Eng. Abstr.) **(Ita)**

[Changes in intragastric proteolysis in patients with stomach ulcer] Masevich TsG, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):45–8 (Eng. Abstr.) **(Rus)**

[Balance of carbohydrate-containing biopolymers in the large intestine and mechanism of its impairments in ulcerous disease] Rabinovich PD, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):14–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Microbial flora of ulcer and its significance in the surgical treatment of the ulcer of the stomach and duodenum] Rychagov GP. **Vestn Khir** 1983 Sep;131(9):36–40 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Comparative frequency of duodenal and gastric ulcers in Bombay. Nanivadekar SA, et al. **Indian J Gastroenterol** 1984 Apr;3(2):77–8

Perforated peptic ulcer in North-East Scotland 1972–1981. Part 1: epidemiology. Hendry WS, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):69–72

Epidemiology of peptic ulcer in Australia. A study based on government statistics in four states. Hugh TB, et al. **Med J Aust** 1984 Jul 21;141(2):81–5

New South Wales—the ulcer state. Piper DW. **Med J Aust** 1984 Jul 21;141(2):76

Duodenal and gastric ulcer in Soweto. Segal I, et al. **S Afr Med J** 1983 Nov 5;64(20):777–8

[Gastric ulcer in the aged] Stanciu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):605–7 (Eng. Abstr.) **(Rum)**

[Ratio of the incidence of ulcer localizations in the stomach and the pyloroduodenal zone] Strunin AE. **Vrach Delo** 1983 Nov;(11):61–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Possible mechanism of hemostasis effected by electrocoagulation. Wara P, et al. **Endoscopy** 1984 Mar; 16(2):43–6

Endocrine cells of the colonic mucosa in patients with gastric and duodenal ulcer. Zufarov KA, et al. **Folia Morphol (Praha)** 1983;31(3):230–4

Intestinal metaplasia of the regenerative epithelia in 549 gastric ulcers. Oohara T, et al. **Hum Pathol** 1983 Dec; 14(12):1066–71

Stress ulcer accompanying subarachnoid hemorrhage—a new rat model. Tsuchiya J, et al. **Jpn J Surg** 1983 Jul; 13(4):373–80

Stroma-parenchymal relationships in gastric ulcer and cancer operatory specimens. Vărzaru E, et al. **Morphol Embryol (Bucur)** 1983 Oct–Dec;29(4):263–6

Endoscopy and gastric ulceration before cimetidine [letter] Edge D. **NZ Med J** 1984 Aug 22;97(762):577

The bleeding gastric ulcer—will it bleed again, and if so, why? A case for repeat endoscopy in evaluating stigmata. Shuttleworth RD, et al. **S Afr Med J** 1984 Jul 21;66(3):95–7

Cimetidine and parietal cell regeneration in experimental wounds in rat gastric mucosa. A light and electron microscopic study. Blom H. **Scand J Gastroenterol** 1983 Oct;18(7):853–7

The intramucosal cysts of the stomach. III. In Japanese subjects with gastric or duodenal ulcers. Rubio CA, et al. **Scand J Gastroenterol** 1983 Jan;18(1):125–8

The gastric mucosa in duodenal, gastric, and prepyloric ulceration. Lawson HH. **Scand J Gastroenterol [Suppl]** 1984;92:156–62

Prepyloric gastric ulceration. Lawson HH. **Surg Annu** 1984; 16:229–47

DNA flow cytometric measurements in inflammatory and malignant human gastric lesions. Deinlein E, et al. **Virchows Arch [A]** 1983;402(2):185–93

[Ulcer risk in the Roux-Y stomach. An animal experiment study] Arlt G, et al. **Langenbecks Arch Chir** 1984; 362(1):43–52 (Eng. Abstr.) **(Ger)**

[Malignant stomach ulcer: diagnostic value of extemperaneous cytology and cyto-guided biopsy] Di Felice G, et al. **Schweiz Med Wochenschr** 1984 May 19; 114(20):714–5 (Eng. Abstr.) **(Ger)**

[Acute ulceration, acute gastric mucosal lesions (AGML) and acute duodenal mucosal lesions (ADML)] Namiki M. **Nippon Rinsho** 1984 Jan;42(1):40–2 **(Jpn)**

[Localization of gastric ulcer and serum levels of group I and II pepsinogens] Miki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1726–30 (Eng. Abstr.) **(Jpn)**

[Various factors affecting blood flow of the gastric mucosa (2). Effects of anti-ulcer agents on gastric mucosal hemodynamics, local hemoglobin-oxygen saturation, and ulcer indices in hemorrhagic rats] Quan LH, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1126–31 (Eng. Abstr.) **(Jpn)**

[Case of gastric ulcer related cytomegalic inclusion body disease] Saito M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):1007–10 **(Jpn)**

[Gastric mucosal lesions in rats induced by the communication box paradigm: experimental conditions, endoscopic observation, and effect of vagotomy] Pack SJ. **Nippon Yakurigaku Zasshi** 1984 May;83(5):467–78 (Eng. Abstr.) **(Jpn)**

[Occurrence of various types of pathological changes in the gastric mucosa and preliminary analysis of the incidence of intestinal metaplasia in relation to sex and age] Mojska H. **Pol Tyg Lek** 1983 Nov 21;38(47):1461–3 (Eng. Abstr.) **(Pol)**

[Morphometric findings on the state of the glandular apparatus of the pyloroantral region of the stomach in peptic ulcer] Brovkina LF. **Arkh Patol** 1983;45(10):46–51 (Eng. Abstr.) **(Rus)**

[Structural and regenerative features of the mucosa of the upper portions of the digestive tract in chronic gastritis and peptic ulcer] Pruglo IuV, et al. **Arkh Patol** 1983; 45(10):40–5 (Eng. Abstr.) **(Rus)**

[Diagnosis of pre-ulcer status in the stomach and duodenal mucous membrane] Markov II, et al. **Lab Delo** 1984; (2):92–4 (Eng. Abstr.) **(Rus)**

[Criteria of benign and malignant ulceration of the stomach] Bachev II. **Vestn Khir** 1983 Nov;131(11):28–30 (Eng. Abstr.) **(Rus)**

[The effect of the length of immobilization, environmental temperature and season of the year on the development of gastric lesions in rats] Valentík M, et al. **Bratisl Lek Listy** 1984 Jun;81(6):663–8 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Studies with specific agonists and antagonists of the role of histamine H1- and H2-receptor activation in the pathogenesis of gastric lesions in rats. Del Soldato P. **Agents Actions** 1984 Feb;14(2):139–42

Pathogenesis and pathophysiology of gastric ulcer. Alexander-Williams J, et al. **Clin Gastroenterol** 1984 May; 13(2):601–19 (96 ref.)

The role of the adrenal gland in cytoprotection against stress-induced gastric ulcers in rats. Hernandez DE, et al. **J Neurosci Res** 1984;11(2):193–201

Gastric mucosal blood flow: its measurement and importance in mucosal defense mechanisms. Cheung LY. **J Surg Res** 1984 Mar;36(3):282–8 (44 ref.)

Effects of altered brain noradrenaline level on acute stress pathology in rats. Glavin GB, et al. **Kurume Med J** 1983; 30(2):31–4

Autonomic drug effects and gastric secretion in a new experimental model of stress ulcers in rats. Mine K, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):359–64

Aggression, body temperature, and stress ulcer. Vincent GP, et al. **Physiol Behav** 1984 Feb;32(2):265–8

Spontaneous healing of duodenal ulcers. Frederiksen HJ, et al. **Scand J Gastroenterol** 1984 May;19(3):417–21

[Mucosal blood flow and defense mechanism] Kamada T, et al. **Nippon Rinsho** 1984 Jan;42(1):81–8 **(Jpn)**

[Gastric mucosal hemodynamics and acid secretion in stomach ulcer] Fukuda M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1569–74 (Eng. Abstr.) **(Jpn)**

[Experimental study on gastric submucosal blood flow influenced by autonomic nervous system and catecholamines during development of stress ulcer] Kudo T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr; 81(4):987–95 (Eng. Abstr.) **(Jpn)**

[Measurement of regional gastric mucosal blood flow in chronic gastric ulcer and polypectomy-induced ulcer] Murakami M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov;80(11):2347–51 (Eng. Abstr.) **(Jpn)**

[Changes in the protective barrier of the gastric mucosa as affected by the drug therapy of gastric peptic ulcer patients] Kuzin NM, et al. **Klin Med (Mosk)** 1984 Feb;62(2):93–6 **(Rus)**

[Circadian rhythms of psychophysiological functions in gastric peptic ulcer patients] Rapoport SI, et al. **Klin Med (Mosk)** 1984 Feb;62(2):76–80 **(Rus)**

[Dumping reaction in patients with the postoperative dumping syndrome and patients with peptic ulcer predisposed to it] Kalish IuI, et al. **Sov Med** 1983;(9):100–2 **(Rus)**

[Quantification of bile acids and lysolecithin in gastric and duodenal ulcers] Calvo C, et al. **Rev Med Chil** 1983 Mar; 111(3):247–50 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Different protective effects of dimercapto-butanediol stereoisomers in experimental gastric ulceration. Balint GA, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):115–8

Prostaglandins in commercial milk preparations. Their effect in the prevention of stress-induced gastric ulcer. Materia A, et al. **Arch Surg** 1984 Mar;119(3):290–2

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric ulcers and gastric secretion in experimental animals. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):474–7

Dimethylsulfoxide protection against gastric stress ulceration. Cochran T, et al. **Curr Surg** 1983 Nov–Dec;40(6):435–7

Sodium bicarbonate inhibits gastric mucosa membrane adenosine triphosphatase activity. Martin LF, et al. **Curr Surg** 1984 Jan–Feb;41(1):26–9

Protective action of omeprazole, a benzimidazole derivative, on gastric mucosal damage by aspirin and ethanol in rats. Konturek SJ, et al. **Digestion** 1983;27(3):159–64

Gastric cytoprotection by acetazolamide: role of endogenous prostaglandins. Konturek SJ, et al. **Digestion** 1983; 28(2):125–31

Omeprazole provides protection against experimentally induced gastric mucosal lesions. Mattsson H, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):111–4

Do prostaglandins mediate the somatostatin preventive effect on gastric lesion? Aliño SF. **Experientia** 1984 Sep 15; 40(9):974–5

A role for milk phospholipids in protection against gastric acid. Studies in adult and suckling rats. Dial EJ, et al. **Gastroenterology** 1984 Aug;87(2):379–85

Gastric protection and adrenalectomy [letter] Guslandi M. **Gastroenterology** 1984 Jul;87(1):254–5

Contribution of ambient HCO3- to mucosal protection and intracellular pH in isolated amphibian gastric mucosa. Kivilaakso E. **Gastroenterology** 1983 Dec;85(6):1284–9

Peptides, sulfhydryls, and glucocorticoids in gastric mucosal defense: coincidence or connection? [editorial] Szabo s. **Gastroenterology** 1984 Jul;87(1):228–9

The influence of 15(R)-15 methyl PGE2, methyl ester, on Nd:YAG laser-induced gastric ulcers. Geboes K, et al. **Gastrointest Endosc** 1984 Jun;30(3):173–8

The gastric anti-ulcer activity of naringenin, a specific histidine decarboxylase inhibitor. Parmar NS. **Int J Tissue React** 1983;5(4):415–20

The preventative effect of the antifibrinolytic agents, epsilon-aminocaproic acid and tranexamic acid, on stress ulcer formation in rats. Kodama Y, et al. **Int Surg** 1983 Oct–Dec;68(4):361–3

Studies on pharmacological activation of human serum IgG

by chemical modification and active subfragments. I. Induction of anti-ulcerogenic activity by chemical cleavage of interchain disulfide bonds in human IgG and properties of active subfragments. Mimura T, et al. **J Pharmacobiodyn** 1983 Jun;6(6):397–407

Inhibitory effects of unsaturated fatty acids of trans-2-C10:1 to trans-2-C16:1 several C18:n and C20:n on gastric secretion and experimental ulceration in rats. Mimura T, et al. **J Pharmacobiodyn** 1983 Aug;6(8):527–37

The role of glucose in preventing stress gastric mucosal injury. Shorr LD, et al. **J Surg Res** 1984 Apr;36(4):384–8

An evaluation of naloxone as a gastric cytoprotective agent during hemorrhagic shock. Moran DM, et al. **J Trauma** 1984 Aug;24(8):728–30

The lack of effects of somatostatin on gastric responses induced by electrical vagal stimulation. Cho CH, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):925–7

Further evidences on gastric cytoprotection exerted by pirenzepine. Varin L, et al. **Pharmacol Res Commun** 1984 Jul;16(7):653–65

Effects of naloxone on serum corticosterone and gastric lesions in stressed rats. Dai S, et al. **Pharmacology** 1983; 27(3):180–4

The effect of 3-methoxy-5,7,3',4'-tetrahydroxyflavan on the restraint induced gastric ulceration augmented by aspirin, a gastric mucosal barrier breaker. Parmar NS, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):337–40

Evaluation of various nutritional supplements in the prevention of stress-induced gastric ulcers in the rat. Lally KP, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):124–8

[Gastric emptying in patients with gastroduodenal disease. IV. Studies on relation between treatment with anticholinergic drug and ulcer recurrence in patients with gastric ulcer] Harasawa S, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1370–6 **(Jpn)**

[Prevention of stress ulcers of the stomach by polarization of the motor zone of the cerebral cortex] Kuznetsov SA, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):227–9 **(Rus)**

[Effect of 11-deoxyprostaglandin E1 on secretion of gastric juice] Bushueva GI, et al. **Fiziol Zh SSSR** 1983 Aug; 69(8):1104–8 **(Rus)**

[Adaptation of the body to stressful situations and prevention of stress-induced damage] Meerson FZ, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):45–51 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Effects of naltrexone and signaling inescapable electric shock on nociception and gastric lesions in rats. Guile MN, et al. **Behav Neurosci** 1984 Aug;98(4):695–702

The personality pattern of patients with chronic peptic ulcer. A case-control study. McIntosh JH, et al. **Scand J Gastroenterol** 1983 Oct;18(7):945–50

RADIOGRAPHY

The location and size of gastric ulcers: radiologic and endoscopic evaluation. Gelfand DW, et al. **AJR** 1984 Oct; 143(4):755–8

Distribution of gastric ulcers by double contrast barium meal with endoscopic correlation. Thompson G, et al. **J Can Assoc Radiol** 1983 Dec;34(4):296–7

[A form of the ulcer niche] Vlasov PV, et al. **Radiol Diagn (Berl)** 1983;24(5):649–55 (Eng. Abstr.) **(Ger)**

[Gastroenterology (20). Roentgen diagnosis: 4. The stomach (3)] Bargon G. **ZFA (Stuttgart)** 1983 Oct 10;59(28):1564–5 **(Ger)**

[Value of double-contrast examination of the stomach in the diagnosis of gastric erosion] Apuzzo F, et al. **Radiol Med (Torino)** 1983 Jun;69(6):419–21 (Eng. Abstr.) **(Ita)**

[Clinico-roentgenological value of a therapeutic test in the differential diagnosis of gastric ulcerations] Strunin AE. **Vestn Rentgenol Radiol** 1984 Mar-Apr;(2):20–3 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Quantitative analysis of diethyl-IDA reflux. Comparison of controls and dyspeptic, gastric ulcerated, and gastrectomized patients. Dumont A, et al. **Scand J Gastroenterol [Suppl]** 1984;92:206–9

[Possibility of demonstrating the antral remnant using radionuclide studies after gastric resection] Mareev IuS, et al. **Sov Med** 1984;(3):49–54 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

[Effect of magnetic fields on the function of the digestive organs and neurohumoral regulation in patients with stomach and duodenal ulcer] Gokhar'-Kharmandar'ian LG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul-Aug;(4):29–31 (Eng. Abstr.) **(Rus)**

SURGERY

Results of simple suture for perforated peptic ulcer. Van Hee R. **Acta Chir Belg** 1984 Mar-Apr;84(2):97–102

The value of parietal cell vagotomy compared to simple closure in a selective approach to perforated duodenal ulcer. Operative morbidity and recurrence rate. Wara P, et al. **Acta Chir Scand** 1983;149(6):585–9

Antrectomy and gastroduodenostomy with or without vagotomy in peptic ulcer disease. A prospective study with a 5-year follow-up. Rehnberg O. **Acta Chir Scand [Suppl]** 1983;515:1–63

Chronic effects of gastroduodenal surgery on glucose and insulin response to oral glucose tolerance test in a population study. Hanson M, et al. **Acta Diabetol Lat** 1984 Apr-Jun;21(2):173–9

Prospective, randomized trial of selective proximal vagotomy with ulcer excision and partial gastrectomy with gastroduodenostomy in the treatment of corporeal gastric ulcer. Emås S, et al. **Am J Surg** 1983 Nov;146(5):631–4

Recurrences 1 to 10 years after highly selective vagotomy in prepyloric and duodenal ulcer disease. Frequency, pattern, and predictors. Adami HO, et al. **Ann Surg** 1984 Apr;199(4):393–9

Experience with vagotomy--antrectomy and Roux-en-Y gastrojejunostomy in surgical treatment of duodenal, gastric, and stomal ulcers. Herrington JL Jr, et al. **Ann Surg** 1984 May;199(5):590–7

A prospective study on primary gastric stump cancer following partial gastrectomy for benign gastroduodenal diseases. Tokudome S, et al. **Cancer Res** 1984 May; 44(5):2208–12

Medical and surgical treatment of chronic gastric ulcer. Kelly KA, et al. **Clin Gastroenterol** 1984 May;13(2):621–34 (44 ref.)

Comparative study of the safety and efficacy of liquid and dry monopolar electrocoagulation in experimental canine bleeding ulcers using computerized energy monitoring. Swain CP, et al. **Gastroenterology** 1984 Jan;86(1):93–103

Lymphoma of the stomach following gastric surgery for benign peptic ulcers. Ghahremani GG, et al. **Gastrointest Radiol** 1983;8(3):213–7

Histological changes following Nd YAG laser photocoagulation of canine gastric mucosa. Kelly DF, et al. **Gut** 1983 Oct;24(10):914–20

The surgical management of duodenal ulcer and benign gastric ulcer. Herrington JL Jr. **Int Surg** 1983 Oct-Dec; 68(4):299–300

Adequate selective proximal vagotomy with pyloroplasty as nonresective surgery for peptic ulcer disease: a 20 year review. Holle F. **Int Surg** 1983 Oct-Dec;68(4):295–8

Surgical treatment of peptic ulcer--the role of conventional surgery. Nel CJ. **S Afr Med J** 1984 Jun 23;65(25):1015–6

Bleeding as a complication to endoscopic biopsies from the gastric remnant after ulcer surgery. Domellöf L, et al. **Scand J Gastroenterol** 1983 Oct;18(7):951–4

The different outcome of duodenal and pyloric channel ulcers after proximal gastric vagotomy. Clinical and morphological results. Muller C, et al. **Scand J Gastroenterol [Suppl]** 1984;92:210–4

Complications of vagotomy and pyloroplasty. Skellenger ME, et al. **Surg Clin North Am** 1983 Dec;63(6):1167–80 (73 ref.)

Long-term results of vagotomy and pyloroplasty in the treatment of gastric ulcer disease. Kraft RO. **Surgery** 1984 Apr;95(4):460–6

Follow-up study on the cause of death after surgery for gastric and duodenal ulcers with special reference to the incidence of residual stomach cancer. Koga S, et al. **Zentralbl Chir** 1984;109(12):791–6

[Late postoperative complications in stomach and duodenal ulcers] Deredzhian A. **Khirurgiia (Sofiia)** 1983;36(1):17–23 (Eng. Abstr.) **(Bul)**

[Evaluation and classification of surgical technics for treating perforated gastroduodenal ulcers] Vasilev H, et al. **Khirurgiia (Sofiia)** 1984;37(1):47–51 (16 ref.) **(Bul)**

[Ulcer perforating into the free peritoneum. Review of 70 cases] Rosa MP, et al. **Acta Chir Belg** 1984 Mar-Apr; 84(2):89–92 (Eng. Abstr.) **(Fre)**

[Protection vagotomy, associated with gastric resection completed by an anti-reflux procedure, in the surgical treatment of type I gastric ulcer] Carditello A, et al. **Chirurgie** 1984;110(3):266–73 (Eng. Abstr.) **(Fre)**

[Frequency of surgery in ulcer after the introduction of H2-blockers] Gugler R, et al. **Dtsch Med Wochenschr** 1984 Jul 13;109(28–29):1122–3 **(Ger)**

[Indications and results of surgical treatment of ulcers. Considerations after the introduction of H2-receptor antagonists] Barner S, et al. **Fortschr Med** 1984 Jul 12; 102(25–26):692–6 (Eng. Abstr.) **(Ger)**

[Gastric stump cancer--a resection cancer?] Amgwerd R, et al. **Helv Chir Acta** 1984 Apr;51(1):41–5 (Eng. Abstr.) **(Ger)**

[Early and late results following simple suturing of the perforated stomach ulcer and duodenal ulcer] Braun L. **Schweiz Med Wochenschr** 1984 May 19;114(20):716–8 (Eng. Abstr.) **(Ger)**

[Potential for developments in ulcer surgery] Tondelli P, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):693–9 (Eng. Abstr.) **(Ger)**

[Surgical indications in gastroduodenal ulcer] Röding H. **Z Arztl Fortbild (Jena)** 1983;77(19):801–2 **(Ger)**

[Surgical indications in ulcus ventriculi and duodeni] Rogos R, et al. **Z Arztl Fortbild (Jena)** 1983;77(19):803–5 **(Ger)**

[Early results following 2/3-resection of the stomach in elective surgery of stomach ulcer and duodenal ulcer. A comparison of performances by Billroth I and Billroth II methods] Weber PM, et al. **Z Arztl Fortbild (Jena)** 1983; 77(17):725–7 **(Ger)**

[Surgical treatment of ulcer disease 5 years before and after the introduction of cimetidine] Rohner HG, et al. **Z Gastroenterol** 1983 Oct;21(10):585–92 (Eng. Abstr.) **(Ger)**

[Primary definitive operations in perforated chronic gastroduodenal ulcers] Kotsis L, et al. **Orv Hetil** 1983 Dec 11;124(50):3035–9 (Eng. Abstr.) **(Hun)**

[Biliary pathology in gastric-resected patients] Cozza A, et al. **Ann Ital Chir** 1983;55(4):359–64 (Eng. Abstr.) **(Ita)**

[Cancer of the stomach operated on for peptic ulcer. 10 cases observed in 185 gastric cancer patients] Briglia R, et al. **Minerva Chir** 1983 Jul 15-31;38(13–14):1131–4 (Eng. Abstr.) **(Ita)**

[Neurohormonal profile in peptic pathology. Surgical measures] Rovati V, et al. **Minerva Chir** 1983 Oct 31; 38(20):1691–4 **(Ita)**

[Suture or resection in the surgical treatment of perforated gastro-duodenal ulcer. Comparison between 2 methods] Zanetti PP, et al. **Minerva Chir** 1984 May 15;39(9):697–701 (Eng. Abstr.) **(Ita)**

[Experimental studies on the management of stress ulcers, with special reference to the effects of vagotomy and cimetidine] Matsunaga Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1415–23 (Eng. Abstr.) **(Jpn)**

[Critical analysis of the treatment of gastric ulcer by proximal gastric vagotomy] Gama-Rodrigues JJ, et al. **Arq Gastroenterol** 1983 Apr-Jun;20(2):41–7 (Eng. Abstr.) **(Por)**

[Late results in superselective vagotomy] Ziliotto Júnior A, et al. **Rev Paul Med** 1983 Mar-Apr;101(2):57–61 (Eng. Abstr.) **(Por)**

[Morphine as pivotal drug in total intravenous anesthesia] Cardan E, et al. **Rev Chir [Chir]** 1983 Nov-Dec; 32(6):465–74 (Eng. Abstr.) **(Rum)**

[Diacarb in the prevention of the aspiration syndrome in the intra- and postoperative period] Storozhuk PG, et al. **Anesteziol Reanimatol** 1983 Nov-Dec;(6):44–7 (Eng. Abstr.) **(Rus)**

[Surgical tactics for treating late middle-aged patients with perforating ulcers] Belyi IS, et al. **Klin Khir** 1984 Apr; (4):30–1 (Eng. Abstr.) **(Rus)**

[Indications and contraindications to selective proximal vagotomy and particulars of performing it in gastric ulcer] Bereznitskii IaS, et al. **Klin Khir** 1983 Jul;(8):52–4 (Eng. Abstr.) **(Rus)**

[Motor-evacuatory function of the stomach before and after resection for gastric ulcer] Khachiev LG, et al. **Klin Khir** 1983 Jul;(8):40–2 (Eng. Abstr.) **(Rus)**

[Prevention of ischemic complications in the surgical treatment of peptic ulcer according to regional blood flow findings in the gastric and duodenal mucosa] Koval'chuk LA. **Klin Khir** 1983 Jul;(8):17–20 (Eng. Abstr.) **(Rus)**

[Experience with pylorus-preserving resections in gastric ulcer] Rudenko AS, et al. **Klin Khir** 1983 Jul;(8):60–1 (Eng. Abstr.) **(Rus)**

[Surgical treatment of gastric ulcer] Shalimov AA, et al. **Klin Khir** 1983 Jul;(8):1–4 (Eng. Abstr.) **(Rus)**

[Gastric resection with creation of a sphincter in the region of the anastomosis in peptic ulcer] Zherlov GK, et al. **Klin Khir** 1983 Jul;(8):33–6 (Eng. Abstr.) **(Rus)**

[Gastrectomy in giant stomach ulcer] Bulgakov GA, et al. **Klin Med (Mosk)** 1984 May;62(5):105–6 **(Rus)**

[Treatment of stomach and duodenal ulcers with laser radiation] Poddubnyi BK, et al. **Med Radiol (Mosk)** 1983 Oct;28(10):75–6 **(Rus)**

[Surgical treatment of cardial ulcers of the stomach] Gorbashko AI, et al. **Sov Med** 1984;(5):95–8 **(Rus)**

[Surgical treatment of stomach and duodenal ulcers in middle-aged and elderly patients] Mareev IuS, et al. **Sov Med** 1984;(4):101–4 **(Rus)**

[Immediate results of gastric resection in ulcer disease in middle aged or elderly patients] Kulemin VV, et al. **Vestn Khir** 1983 Sep;131(9):124–7 **(Rus)**

[Treatment of patients with malignant ulcer of the stomach] Mel'nikov RA, et al. **Vestn Khir** 1983 Sep;131(9):32–6 (Eng. Abstr.) **(Rus)**

[Corrective diet therapy following gastric resection for ulcer disease] Khoromskii LN, et al. **Vrach Delo** 1984 Jan;(1):30–5 **(Rus)**

THERAPY

Dr. Dragstedt's first vagotomy. Woodward ER. **World J Surg** 1983 Jul;7(4):554

[Medical and surgical treatment of noncomplicated gastric ulcer] Bernades P, et al. **Gastroenterol Clin Biol** 1983 Oct; 7(10):818–25 (73 ref.) **(Fre)**

[Objectives in the therapy of ulcers] Blum AL. **Schweiz Med Wochenschr** 1984 May 19;114(20):679–83 (Eng. Abstr.) **(Ger)**

[Hyperbaric oxygen therapy in indomethacin-induced gastric ulcer] Koseki H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct;80(10):2276 **(Jpn)**

[Effect of preparations from Hippophae berries on the healing of experimental stomach ulcers] Loginov AS, et al. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):67–70 **(Rus)**

[Phototherapy of gastric and duodenal peptic ulcer patients based on cell stimulation with low-intensity red light] Karu TI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan-Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

[Dynamics of the indices of activity of tissue enzymes in

rats with gastroduodenal pathology after drinking sulfide mineral water (experimental study)] Zaporozhchenko IG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):44–6 **(Rus)**

[Experience in the treatment of ulcer disease at a climatic sanatorium] Ivanchenko GI, et al. **Vrach Delo** 1984 Jan; (1):35–6 **(Rus)**

URINE

[Excretion of catecholamines, their precursor DOPA and vanilmandelic acid in patients with peptic ulcer] Kravchenko TV, et al. **Vrach Delo** 1983 Aug;(8):85–7 (Eng. Abstr.) **(Rus)**

VETERINARY

Oesophagogastric ulcer in swine and vitamin U. II. Nature of vitamin U. Hegedüs M, et al. **Acta Vet Hung** 1983; 31(4):155–63

Oesophagogastric ulcer in swine and vitamin U. I. Relative incidence of the syndrome in Hungary. Tamás J, et al. **Acta Vet Hung** 1983;31(4):145–53

Phenylbutazone toxicosis in the foal. Traub JL, et al. **Am J Vet Res** 1983 Aug;44(8):1410–8

Toxic effects of high concentrations of zinc oxide in the diet of the chick and laying hen. Dewar WA, et al. **Br Poult Sci** 1983 Jul;24(3):397–404

Hepatic and gastric amebiasis in black and white colobus monkeys. Loomis MR, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1188–91

Gastric complications associated with correction of chronic diaphragmatic hernia in two dogs. Willard MD, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1151–3

Evaluation of prophylactic activity of drugs on swine gastroesophageal ulcer induced by betazole–reserpine using the method of endoscopy. Kokue E, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):143–9

STOMACH VOLVULUS

COMPLICATIONS

Intrathoracic hernia of colon transversum and stomach complicated by gastric ulcer and volvulus: an unusual complication. Roosens B, et al. **J Belge Radiol** 1983; 66(3):207–9

Acute gastric volvulus with a chronic duodenal ulcer. Dey KC, et al. **J Indian Med Assoc** 1983 Jun;80(11–12):183–4

[Acute gastric volvulus] Flumeri Fioretti E, et al. **GEN** 1982 Apr–Sep;36(2–3):208–16 (Eng. Abstr.) **(Spa)**

ETIOLOGY

[Recurring volvulus of the stomach in a gastrectomized patient associated with diaphragmatic relaxation] García Villanueva A, et al. **Rev Esp Enferm Apar Dig** 1984 Jan; 65(1):62–5 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Gastric volvulus] Queralt Solari CB, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):81–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Electrocardiographic changes with gastric volvulus [letter] Farr C, et al. **N Engl J Med** 1984 Jun 28;310(26):1747–8

RADIOGRAPHY

Mesenteroaxial gastric volvulus in children. Dagher M, et al. **South Med J** 1984 Jun;77(6):768–70

SURGERY

[Stomach volvulus. A case report] Eren R, et al. **Chirurg** 1983 Dec;54(12):818–20 **(Ger)**

[Gastric volvulus. Considerations on 2 clinical cases] Noya G, et al. **Minerva Chir** 1984 Apr 15;39(7):463–7 (Eng. Abstr.) **(Ita)**

THERAPY

Volvulus of the stomach successfully treated with acupuncture report of 9 cases. Wan YG, et al. **J Tradit Chin Med** 1981 Sep;1(1):39–42

VETERINARY

Isovolumetric indices and humoral cardioactive substance bioassay during clinical and experimentally induced gastric dilatation–volvulus in dogs. Orton EC, et al. **Am J Vet Res** 1983 Aug;44(8):1516–20

Hemodynamics during experimental gastric dilatation–volvulus in dogs. Orton EC, et al. **Am J Vet Res** 1983 Aug;44(8):1512–5

Results of tube gastrostomy as treatment for gastric volvulus in the dog. Flanders JA, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):74–7

Plasma gastrin immunoreactivity in dogs with acute gastric dilatation–volvulus. Leib MS, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):205–8

Treatment of cardiac arrhythmias in dogs with gastric distention–volvulus. Muir WW, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1366–71

STOMATITIS

CHEMICALLY INDUCED

Traces of epoxy resin in acrylic dental filling materials [letter] Niinimäki A, et al. **Contact Dermatitis** 1983 Nov;9(6):532

A possible allergic response to polyether impression material: a case report. Blankenau RJ, et al. **J Am Dent Assoc** 1984 Apr;108(4):609–10

Drug stomatitis due to gold therapy. Glenert U. **Oral Surg** 1984 Jul;58(1):52–6

COMPLICATIONS

Keratodermia blennorrhagica and mucocutaneous manifestations of Reiter's syndrome. Calin A. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 68–72

Esophagitis associated with Candida infection in a neonate. Petru A, et al. **Clin Pediatr (Phila)** 1984 Mar;23(3):179–81

Sarcoidosis associated with Crohn's disease of ileum, mouth and oesophagus. Oakley JR, et al. **J R Soc Med** 1983 Dec; 76(12):1068–71

DIAGNOSIS

[Measurement of the pH values under the prostheses in patients with stomatitis prothetica] Schröder H. **Dtsch Zahnarztl Z** 1983 Jul;38(7):675–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Sucralfate suspension for stomatitis [letter] Ferraro JM, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):153

Efficacy of 2.5% Pimafucin suspension in the treatment of denture stomatitis. Koopmans AS, et al. **J Prosthet Dent** 1984 Apr;51(4):461–6

The efficacy of topical anesthetics in reducing intraoral discomfort. Graser GN. **Oral Surg** 1984 Jul;58(1):42–6

[Results of the application of some suspensions and topical formulations to the treatment of the mucous membrane of the mouth in clinical practice] Tornyos Z, et al. **Acta Pharm Hung** 1983 Jul;53(4):154–8 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Oral infection with associated lymphadenopathy due to Mycobacterium chelonei. Boyd BW. **Ala Med** 1984 Jul; 54(1):9–10

The sore mouth: a review. Nally FF. **J R Soc Med** 1984 Jan;77(1):50–5 (20 ref.)

Mucositis and alpha-streptococcal sepsis in bone marrow transplant recipients [letter] Bostrom B, et al. **Lancet** 1984 May 19;1(8386):1120–1

Etiology and occurrence of denture stomatitis. A review of literature. Stohler C. **Schweiz Monatsschr Zahnmed** 1984 Feb;94(2):187–94 (62 ref.)

[Lichen planus of the oral mucosa] de Jong WF, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):310–3 (Eng. Abstr.) **(Dut)**

[Trouble with dentures] Lekkas C. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):560–3 **(Dut)**

[Allergic reactions to dental materials] Gall H. **Dtsch Zahnarztl Z** 1983 Aug;38(8):735–41 (Eng. Abstr.) **(Ger)**

[Oral mucosal lesions originating from the use of a removable prosthesis] de Melo JJ. **Rev Port Estomatol Cir Maxilofac** 1982 Oct–Dec; 23(4):455–70 **(Por)**

IMMUNOLOGY

Development of an immunoelectroosmophoresis test for the detection and typing of antibodies to vesicular stomatitis viruses. Wilks CR, et al. **Can J Comp Med** 1984 Apr; 48(2):179–83

[Quantitative determination of B- and T-lymphocytes and granulocyte phagocytosis activity in denture stomatitis patients] Lange KP, et al. **Zahn Mund Kieferheilkd** 1984; 72(2):115–22 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Prevalence of different strains of Candida albicans in patients with denture-induced stomatitis. McCreight MC, et al. **Sabouraudia** 1984;22(1):83–5

Regional variations in viable bacterial and yeast counts of 1-week-old denture plaque in denture-induced stomatitis. Budtz-Jörgensen E, et al. **Scand J Dent Res** 1983 Aug; 91(4):288–95

Denture stomatitis in nursing home patients. Palmqvist S, et al. **Swed Dent J** 1984;8(2):73–80

OCCURRENCE

Prevalence of oral mucosal lesions associated with wearing removable dentures in Finnish adults. Mikkonen M, et al. **Community Dent Oral Epidemiol** 1984 Jun;12(3):191–4

Oral exposure to a nickel-containing dental alloy of persons with hypersensitive skin reactions to nickel. Spiechowicz E, et al. **Contact Dermatitis** 1984 Apr;10(4):206–11

[Follow-up of complete dentures from the Zurich Public Dental Clinic after more than 10 years of wear. II. Inflammatory mucosal changes in the prosthetic bed and rhagades of the labial angles] Brunner T. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Aug; 93(8):627–41 (Eng. Abstr.) **(Ger)**

VETERINARY

Stomatitis. MacDonald JM. **Vet Clin North Am [Small Anim Pract]** 1983 Aug; 13(3):415–36 (28 ref.)

STOMATITIS, APHTHOUS

Recurrent aphthous stomatitis. Dash R. **J Indian Med Assoc** 1983 Nov;81(9–10):163–5

DIET THERAPY

The use of an elimination diet in the treatment of recurrent aphthous ulceration of the oral cavity. Hay KD, et al. **Oral Surg** 1984 May;57(5):504–7

DRUG THERAPY

Colchicine therapy in recurrent oral ulcers [letter] Gatot A, et al. **Arch Dermatol** 1984 Aug;120(8):994

Management of recurrent aphthous ulcers. A trial of carbenoxolone sodium mouthwash. Poswillo D, et al. **Br Dent J** 1984 Jul 21;157(2):55–7

Sodium cromoglycate toothpaste in the management of aphthous ulceration. Potts AJ, et al. **Br Dent J** 1984 Apr 7;156(7):250–1

Effect of thalidomide on orogenital ulceration. Bowers PW, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):799–800

Levamisole in recurrent aphthous stomatitis. Dash R, et al. **J Indian Med Assoc** 1983 May;80(9–10):140–1

Unusual chronic recurrent aphthous stomatitis treated with levamisole: report of a case. Mohammad AR, et al. **J Oral Med** 1983 Oct–Dec;38(4):164–7

Therapeutic evaluation of levamisole in recurrent aphthous stomatitis. Double-blind comparison of two dosage schedules of levamisole and placebo. Zissis NP, et al. **J Oral Med** 1983 Oct–Dec;38(4):161–3

Effect of zendium toothpaste on recurrent aphthous stomatitis. Donatsky O, et al. **Scand J Dent Res** 1983 Oct; 91(5):376–80

[Treatment of aphthosis with thalidomide and with colchicine] Genvo MF, et al. **Dermatologica** 1984; 168(4):182–8 (Eng. Abstr.) **(Fre)**

[Therapy of recurrent oral aphthae with thymopoetin pentapeptide] Djawari D, et al. **Hautarzt** 1983 Sep; 34(9):463–4 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Trophic disorders in the oral mucosa in the pathogenesis of chronic recurrent aphthous stomatitis] Kulikova VS, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):14–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Aphthous ulceration [editorial] **J R Soc Med** 1984 Jan; 77(1):1–3

[Aphthae and neutropenia in children: apropos of a case of paroxysmal giant aphthae] Guillet G, et al. **Ann Dermatol Venereol** 1984;111(5):479–82 **(Fre)**

IMMUNOLOGY

Immunochemical comparison of cell-wall antigens of various viridans streptococci, including strain 2A2+3 hot from recurrent oral aphthous ulceration in man. Hoover CI, et al. **Arch Oral Biol** 1983;28(10):917–22

Direct immunofluorescence in recurrent aphthous ulcers and Behçet's disease. Reimer G, et al. **Dermatologica** 1983; 167(6):293–8

[Determination and analysis of immunological indicators in patients with recurrent oral ulceration] Fan MW. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):156–8 **(Chi)**

[Enhancement of macrophage function in recurrent aphthae with interferon inducers: polyinosinic-polycytidylic acid] Liu SF. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun; 18(2):74–6 **(Chi)**

[Determination of immunologic functions in patients with recurrent aphthae and their treatment] Liu SH. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):117–8 **(Chi)**

[Comparison of SIgA of patients with recurrent aphthae and normal persons] Zheng JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):87–9 **(Chi)**

[HLA antigens in persons with recurring aphthae] Zábrodský S. **Cas Lek Cesk** 1983 Dec 9;122(49):1521–3 (Eng. Abstr.) **(Cze)**

[Immunological reactivity of the body in chronic recurrent aphthous stomatitis patients] Skliar VE, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):27–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Stereologic analysis of leukocyte infiltration in oral ulcers of developing Mikulicz aphthae. Schroeder HE, et al. **Oral Surg** 1983 Dec;56(6):629–40

THERAPY

A case report of the successful treatment of recurrent aphthous stomatitis with some preparations of orally administered transfer factor. Schulkind ML, et al. **Cell Immunol** 1984 Apr 1;84(2):415–21

ECT for aphthous ulceration [letter] Woodland RJ. **J R Soc Med** 1984 May;77(5):437–8

[Parenteral feeding of patients with chronic recurrent aphthous stomatitis] Gritsuk SF, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):31–3 (Eng. Abstr.) **(Rus)**

[Late results of treating severe forms of chronic recurrent aphthous stomatitis] Terekhova NV, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):28–30 (Eng. Abstr.) **(Rus)**

STOMATITIS, DENTURE see under **STOMATITIS**

STOMATITIS, GANGRENOUS see **NOMA**

STOMATITIS, HERPETIC

BLOOD

Absence of viremia in primary herpetic gingivostomatitis Halperin SA, et al. **Pediatr Infect Dis** 1983 Nov–Dec; 2(6):452–3

COMPLICATIONS

Severe herpetic gingivostomatitis associated with pemphigus vulgaris. Negosanti M, et al. **Arch Dermatol** 1984 Apr; 120(4):540–2

DIAGNOSIS

[Prognosis of recurrent herpetic stomatitis in children with the aid of computation tables] Mel'nichenko EM, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):65–8 (Eng. Abstr.) **(Rus)**

[Detection of viremia by an immunofluorescence method in children with acute herpetic stomatitis] Mikhailovskaia VP, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):21–2 (Eng. Abstr.) **(Rus)**

[Detection of viremia in children with manifestations of an oral herpes infection] Mel'nichenko EM, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):63–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Topical carbenoxolone sodium in the management of herpes simplex infection. Partridge M, et al. **Br J Oral Maxillofac Surg** 1984 Apr;22(2):138–45

Sodium hypochlorite: a useful therapeutic adjunct for herpes simplex infections. Hunter DT. **J Am Med Wom Assoc** 1984 Jul–Aug;39(4):135–6

Topical acyclovir therapy in patients with recurrent orofacial herpes simplex infections. Van Vloten WA, et al. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:89–93 (23 ref.)

Iontophoretic treatment of oral herpes. Henley–Cohn J, et al. **Laryngoscope** 1984 Jan;94(1):118–21

IMMUNOLOGY

[Local immunity indices of children with manifestations of primary and recurrent herpetic infection in the oral cavity] Mel'nichenko EM, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):19–21 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Rapid detection of herpes simplex virus in clinical specimens with human embryonic lung fibroblast and primary rabbit kidney cell cultures. Callihan DR, et al. **J Clin Microbiol** 1984 Apr;19(4):563–5

Pathogenesis of herpes simplex labialis: excretion of virus in the oral cavity. Spruance SL. **J Clin Microbiol** 1984 May;19(5):675–9

Consecutive infections with herpes simplex virus types 1 and 2 within a three-week period. Gerson M, et al. **J Infect Dis** 1984 Apr;149(4):655

THERAPY

[Preparation of human colostral globulins in the combined therapy of acute herpetic stomatitis in children] Rubinov LI, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):22–4 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Transmission of herpes simplex during CPR training. Mannis MJ, et al. **Ann Ophthalmol** 1984 Jan;16(1):64–6

Herpes simplex virus disease: implications for dental personnel. Council on Dental Therapeutics. Rowe NH, et al. **J Am Dent Assoc** 1984 Mar;108(3):381–2

STOMATITIS, ULCERATIVE see **GINGIVITIS, NECROTIZING ULCERATIVE**

STOREROOMS see **MATERIALS MANAGEMENT, HOSPITAL**

STRABISMUS

see related

ORTHOPTICS

Cyclic strabismus. Parlato CJ, et al. **Ann Ophthalmol** 1983 Dec;15(12):1126–9

[The accommodative convergence/accommodation ratio in exodeviation] Ignat F, et al. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):109–13 (Eng. Abstr.) **(Rum)**

CHEMICALLY INDUCED

Convergence insufficiency in patients taking medicines. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1984;4(2):151–4

COMPLICATIONS

Depth of strabismic amblyopia determined with neutral density filters [letter] Nardi M. **Am J Ophthalmol** 1984 Mar; 97(3):400–1

Fundus changes following faden operation. Alio JL, et al. **Arch Ophthalmol** 1984 Feb;102(2):211–3

The nystagmus blockage syndrome. Congenital nystagmus, manifest latent nystagmus, or both? Dell'Osso LF, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1580–7

Manifest latent nystagmus of late onset: a case report. van Weerden TW, et al. **Ophthalmologica** 1984;188(3):153–8

Malignant hyperthermia. Marmor M. **Surv Ophthalmol** 1983 Sep–Oct;28(2):117–27 (45 ref.)

[A contribution on Crouzon's disease] Pittke EC. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):122–7 (Eng. Abstr.) **(Ger)**

[Refractive errors, amblyopia and strabismus in congenital ptosis] Stärk N, et al. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):37–9 (Eng. Abstr.) **(Ger)**

[Therapeutic results in strabismic amblyopia] Cernea P, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):279–84 (Eng. Abstr.) **(Rum)**

[Methods of diagnosing disorders of binocular vision in vertical strabismus] Kliuka IV, et al. **Oftalmol Zh** 1983; (7):439–41 **(Rus)**

CONGENITAL

Amblyopia and congenital esotropia. Visually evoked potential measurements. Hoyt CS, et al. **Arch Ophthalmol** 1984 Jan;102(1):58–61

Shortage of binocular cells in area 17 of visual cortex in cats with congenital strabismus. Hoffmann KP, et al. **Exp Brain Res** 1984;55(3):470–82

Surgical alignment for congenital esotropia. Ing MR. **J Pediatr Ophthalmol Strabismus** 1984 Mar–Apr;21(2):76–7

Surgery for congenital esotropia—an age comparison study. Kraft SP, et al. **J Pediatr Ophthalmol Strabismus** 1984 Mar–Apr;21(2):57–68

The optimum time for surgical alignment in congenital esotropia. Lang J. **J Pediatr Ophthalmol Strabismus** 1984 Mar–Apr;21(2):74–5 (4 ref.)

Extraocular muscle surgery in early infancy—anatomical factors. Swan KC, et al. **J Pediatr Ophthalmol Strabismus** 1984 Mar–Apr;21(2):44–9

Options in the treatment of congenital–infantile esotropia. Helveston EM. **Trans Ophthalmol Soc UK** 1983;103 (Pt 2):139–42

[Difficulties in the diagnosis and treatment of congenital strabismus] Sandovici EM, et al. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):147–51 (Eng. Abstr.) **(Rum)**

[Diagnosis of congenital strabismus] Pen'kov MA, et al. **Oftalmol Zh** 1983;38(5):263–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Direct measurement of strabismic deviation in highly ametropic patients [letter] Archer SM. **Am J Ophthalmol** 1984 Jul 15;98(1):114

Suction cup for forced duction testing [letter] Miller FS 3d, et al. **Am J Ophthalmol** 1984 Mar;97(3):390–1

Artifacts introduced by spectacle lenses in the measurement of strabismic deviations. Scattergood KD, et al. **Am J Ophthalmol** 1983 Oct;96(4):439–48

Graphic analysis of paralytic strabismus with the Lancaster red–green test. Zee DS, et al. **Am J Ophthalmol** 1984 May; 97(5):587–92

Dynamics of cover test eye movements. Peli E, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):712–24

Binocular fixation misalignment measured by border enhancement: a simplified technique. Remole A. **Am J Optom Physiol Opt** 1984 Feb;61(2):118–24

Fusion lock diameter and the forced vergence fixation disparity curve. Saladin JJ, et al. **Am J Optom Physiol Opt** 1983 Dec;60(12):933–43

To fixate or not to fixate. The problem of undetected strabismic subjects in visual evoked potential research. Andreassi JL, et al. **Ann NY Acad Sci** 1984;425:157–61

Recurrent isolated sixth nerve palsy in children. Boger WP 3d, et al. **Ann Ophthalmol** 1984 Mar;16(3):237–8, 240–4

Comparison of atropine and tropicamide in esotropia. Hiatt RL, et al. **Ann Ophthalmol** 1983 Apr;15(4):341–3

Detection and management of squint [editorial] Harcourt RB. **Arch Dis Child** 1983 Sep;58(9):675–6

The visual field in alternating hyperphoria. Fusco R, et al. **Bull Soc Belge Ophtalmol** 1982;203:123–8

Make your own striated glasses. Patel AN. **Indian J Ophthalmol** 1983 Jul;31(4):359–60

A three step method of the determination of fixation status and retinal correspondence. Davis MR, et al. **J Am Optom Assoc** 1983 Sep;54(9):807–9

Convergence spasm—two case reports. Rutstein RP, et al. **J Am Optom Assoc** 1984 Jul;55(7):495–8

Atypical clinical presentation of oculomotor (III) nerve palsy. Bixenman WW. **J Clin Neuro Ophthalmol** 1982 Dec; 2(4):249–58

Clinical and theoretical aspects of cyclotropia. von Noorden GK. **J Pediatr Ophthalmol Strabismus** 1984 Jul–Aug; 21(4):126–32

Diagnosis of eye strain [letter] Meyer AJ. **Med J Aust** 1984 Aug 4;141(3):199

Preoperative prism adaptation in acquired esotropia. Scott WE, et al. **Ophthalmologica** 1984;189(1–2):49–53

The role of funduscopy and fundus photography in strabismus diagnosis. Morton GV, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1186–91

Strabismus. Catalano JD. **Pediatr Ann** 1983 Aug;12(8):550–5

Diagnosis and management of strabismus and amblyopia. Nelson LB. **Pediatr Clin North Am** 1983 Dec;30(6):1003–14

The light that leaks: Brückner and the red reflex. Roe LD, et al. **Surv Ophthalmol** 1984 May–Jun;28(6):665–70

The Otago photoscreener, a method for the mass screening of infants to detect squint and refractive errors. Molteno AC, et al. **Trans Ophthalmol Soc NZ** 1983;35:43–9

[A case of acute esotropia] Spiritus M, et al. **Bull Soc Belge Ophtalmol** 1983;204–205:21–7 (Eng. Abstr.) **(Fre)**

[Measurement of cyclodeviation] Sradj N, et al. **Bull Soc Belge Ophtalmol** 1983;204–205:29–34 (Eng. Abstr.) **(Fre)**

[Strabismus and amblyopia. Value of their early detection] Goddé-Jolly D, et al. **Sem Hop Paris** 1983 Dec 29; 59(49):3446–52 (Eng. Abstr.) **(Fre)**

[Clinical and topical diagnosis of vertical gaze palsies] Kömpf D. **Fortschr Ophthalmol** 1983;80(3):182–5 (Eng. Abstr.) **(Ger)**

[Vernier acuity in amblyopia] Rentschler I, et al. **Fortschr Ophthalmol** 1983;80(5):395–7 (Eng. Abstr.) **(Ger)**

[Disorders of binocular vision and their treatment] von Noorden GK. **Fortschr Ophthalmol** 1983;80(5):387–91 (Eng. Abstr.) **(Ger)**

[A new system of testing visual performance based on the cylindrical lens screen] Doege E, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):224–8 (Eng. Abstr.) **(Ger)**

[Convergent strabismus with eccentric fixation in a case of persistent pupillary membrane] Harrer S, et al. **Ophthalmologica** 1983;187(3):166–70 (Eng. Abstr.) **(Ger)**

[Method of testing and threshold of depth vision in preschool children with amblyopia and strabismus] Boichuk IM. **Oftalmol Zh** 1983;38(5):273–6 (Eng. Abstr.) **(Rus)**

[Objective method of studying haploscopic fusion capacity] Seniakina AS. **Oftalmol Zh** 1983;38(5):269–73 (Eng. Abstr.) **(Rus)**

[Isoclinals of the interference picture of the cornea as indices of the position of the extraocular muscles in healthy subjects and in strabismus] Vodovozov AM, et al. **Oftalmol Zh** 1983;38(5):260–2 (Eng. Abstr.) **(Rus)**

[Oculomotor muscle function in concomitant strabismus studied by electromyography] Aubakirova AZh. **Vestn Oftalmol** 1983 Nov–Dec;(6):52–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

An Oculinum report [editorial] O'Connor PS. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):227–8

ETIOLOGY

VDUs and bank clerks [letter] Long J. **Med J Aust** 1984 May 12;140(10):630–1

Restrictive factors in strabismus. Metz HS. **Surv Ophthalmol** 1983 Sep–Oct;28(2):71–83 (49 ref.)

[The effect of congenital toxoplasmosis on the visual apparatus in children] Medková L, et al. **Cesk Oftalmol** 1983 Sep;39(5):338–43 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Strabismus after retinal detachment surgery. Wolff SM. **Trans Am Ophthalmol Soc** 1983;81:182–92

PATHOLOGY

Primary and secondary overacting inferior oblique muscles: an ultrastructural study. Meyer E, et al. **Br J Ophthalmol** 1984 Jun;68(6):416–20

Alterations in connections of the corpus callosum following convergent and divergent strabismus. Berman NE, et al. **Brain Res** 1983 Sep 12;274(2):201–12

Experimental amblyopia in kitten–II. Histological and morphological changes in the lateral geniculate nucleus (L.G.N.) in experimentally induced strabismic amblyopia. Goel BS, et al. **Indian J Ophthalmol** 1983 May;31(3):301–6

PHYSIOPATHOLOGY

Cyclodeviation in acquired vertical strabismus. Trobe JD. **Arch Ophthalmol** 1984 May;102(5):717–20

Suppression in strabismus—an update. Pratt-Johnson JA, et al. **Br J Ophthalmol** 1984 Mar;68(3):174–8

Binocularity in comitant strabismus: II. Objective evaluation with visual evoked responses. Campos EC, et al. **Doc Ophthalmol** 1983 Sep 30;55(4):277–93

Non-fusable stimuli and the role of binocular inhibition in normal and pathologic vision, especially strabismus. Fahle M. **Doc Ophthalmol** 1983 Sep 30;55(4):323–40

Effects of neonatally induced strabismus on binocular responses in cat area 18. Cynader M, et al. **Exp Brain Res** 1984;53(2):384–99

Immediate and long-term effects on visual acuity of surgically induced strabismus in kittens. Mitchell DE, et al. **Exp Brain Res** 1984;55(3):420–30

Natural strabismus in non-Siamese cats: lack of binocularity in the striate cortex. von Grünau MW, et al. **Exp Brain Res** 1983;52(2):307–10

Accommodation dynamics in divergence excess exotropia. Schnider CM, et al. **Invest Ophthalmol Vis Sci** 1984 Apr; 25(4):414–8

Spatial characteristics of static and dynamic stereoacuity in strabismus. Schor C, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1572–9

Visual-evoked responses from strabismic cats. A comparison of esotropes with exotropes. Yin TC, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1390–9

Hemispheric visually-evoked responses in congenital esotropia. Hoyt CS, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jan–Feb;21(1):19–21

Physiological exophoria. Freier BE, et al. **Ophthalmic Physiol Opt** 1983;3(3):267–72

Accommodative disfacility presenting as intermittent exotropia. Stark L, et al. **Ophthalmic Physiol Opt** 1984; 4(3):233–44

Binocular interaction in visual-evoked responses: summation, facilitation and inhibition in a clinical study of binocular vision. Giuseppe N, et al. **Ophthalmic Res** 1983;15(5):261–4

Accommodative esotropia long range follow-up. Swan KC. **Ophthalmology (Rochester)** 1983 Oct;90(10):1141–5

Saccadic velocity measurements in strabismus. Metz HS. **Trans Am Ophthalmol Soc** 1983;81:630–92

Abnormal spatial frequency channels in esotropic cats. Holopigian K, et al. **Vision Res** 1984;24(7):677–87

[Comparative study of various tests of stereoscopic vision (Wirt, TNO, Frisby) in 67 strabismus patients] Dalens H, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):603–6 (Eng. Abstr.) **(Fre)**

[Convergent strabismus and Pulfrich's phenomenon] Godde-Jolly D, et al. **Bull Soc Ophtalmol Fr** 1983 May; 83(5):647–50 (Eng. Abstr.) **(Fre)**

[Accommodation in strabismus] Pigassou-Albouy R. **J Fr Ophtalmol** 1984;7(3):237–44 (Eng. Abstr.) **(Fre)**

[Subjective and objective evidence for anomalous binocular vision in concomitant strabismus] Campos EC. **Fortschr Ophthalmol** 1983;80(4):275–7 (Eng. Abstr.) **(Ger)**

[Residual binocularity in the peripheral visual field of amblyopes and alternators: a psychophysical study] Sireteanu R, et al. **Fortschr Ophthalmol** 1983;80(4):271–4 (Eng. Abstr.) **(Ger)**

[Correspondence of foveal and peripheral areas in subjects with intact binocular vision and patients with strabismus] Haase W, et al. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):32–6 (Eng. Abstr.) **(Ger)**

[Stereoscopic vision in reduced visual acuity] Roggenkämper P. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):105–9 (Eng. Abstr.) **(Ger)**

[An electromyographic study on the optomotor effect in esotropia under general anaesthesia] Mitsui Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):657–61 (Eng. Abstr.) **(Jpn)**

[Observation of retinal correspondence by infrared fundus haploscope. (11) Alternation of fixation and binocular visual function] Ohmi E, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1150–6 (Eng. Abstr.) **(Jpn)**

[Comparison of refraction in orthophoric hyperopic eyes and accommodative esotropic eyes] Otsuka J, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):58–64 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Vision screening and photorefraction – the relation of refractive errors to strabismus and amblyopia. Atkinson J, et al. **Behav Brain Res** 1983 Oct;10(1):71–80

Preschool vision screening for amblyopia and strabismus. Programs, methods, guidelines, 1983. Ehrlich MI, et al. **Surv Ophthalmol** 1983 Nov–Dec;28(3):145–63

[Strabismus and amblyopia. Value of early detection] Godde-Jolly D, et al. **Ann Pediatr (Paris)** 1983 Sep; 30(7):489–95 (Eng. Abstr.) **(Fre)**

[Methods and results of a study of muscular balance of the eyes in preschool children] Serdiuchenko VI. **Oftalmol Zh** 1983;38(5):257–60 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Strabismus and schizophrenia [letter] Leskowitz E. **Am J Psychiatry** 1984 Apr;141(4):614

Psychological and educational correlates of strabismus in school children. Tonge BJ, et al. **Aust NZ J Psychiatry** 1984 Mar;18(1):71–7

REHABILITATION

[The accommodative convergence/accommodation ratio in exodeviation] Ignat F, et al. **Rev Chir [Oftalmol]** 1983 Apr-Jun;27(2):109–13 (Eng. Abstr.) **(Rum)**

SURGERY

Surgical treatment of congenital esotropia [letter] Ing MR. **Am J Ophthalmol** 1984 Jan;97(1):112–3

A randomized comparison of surgical procedures for infantile esotropia. Kushner BJ, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):50–61

The oculocardiac reflex in adults. A dose response study of glycopyrrolate and atropine. Karhunen U, et al. **Anaesthesia** 1984 Jun;39(6):524–8

The antiemetic effect of droperidol following outpatient strabismus surgery in children. Abramowitz MD, et al. **Anesthesiology** 1983 Dec;59(6):579–83

Inferior oblique surgery. Experience at the Mayo Clinic from 1960 to 1981. Jones TW Jr, et al. **Arch Ophthalmol** 1984 May;102(5):714–6

Incomitant vertical strabismus. Treatment with posterior fixation of the inferior rectus muscle. Saunders RA. **Arch Ophthalmol** 1984 Aug;102(8):1174–7

Retrobulbar anesthesia in strabismus surgery. Szmyd SM, et al. **Arch Ophthalmol** 1984 Sep;102(9):1325–7

Suxamethonium in surgery for squint [letter] Abrams JD. **Br J Ophthalmol** 1984 Mar;68(3):218

Paralytic strabismus correction by adjustable suture technique. Docherty PT. **Br J Ophthalmol** 1984 May; 68(5):353–9

Total medial rectus loops in the treatment of convergent strabismus. Evens L. **Bull Soc Belge Ophtalmol** 1982; 201:41–6

Surgical management of strabismus following scleral buckling procedures. Flanders M, et al. **Can J Ophthalmol** 1984 Feb; 19(1):17–20

The oculocardiac reflex in strabismus surgery. Milot JA, et al. **Can J Ophthalmol** 1983 Dec;18(7):314–7

Surgical management of A & V patterns. Prakash P, et al. **Indian J Ophthalmol** 1983 Sep;31(5):463–9

Abnormal insertion of inferior oblique. Prakash P, et al. **Indian J Ophthalmol** 1983 Jan;31(1):21–2

Surgical results in dissociated vertical deviations. Duncan LB, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jan–Feb; 21(1):25–7

Primate ocular blood flow following contiguous recti tenotomy. Keough EM, et al. **Ophthalmic Res** 1983; 15(4):204–7

A complication in weakening the superior oblique muscle in A-pattern exotropia. Rubin SE, et al. **Ophthalmic Surg** 1984 Feb;15(2):134–5

Discriminant analysis of acquired esotropia surgery. Predictor variables for short- and long-term outcomes. Bateman JB, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1154–9

Discriminant analysis of congenital esotropia surgery. Predictor variables for short- and long-term outcomes. Bateman JB, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1146–53

Intermittent exotropia. Surgical results in different age groups. Richard JM, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1172–7

The surgical management of intermittent exotropia in adults. Schlossman A, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1166–71

Ocular motility in craniofacial reconstruction. Diamond GR, et al. **Plast Reconstr Surg** 1984 Jan;73(1):31–7

Importance of Tenon's capsule in squint surgery. O'Donoghue HN, et al. **Trans Ophthalmol Soc UK** 1982; 102 (Pt 4):492–4

Early surgery of infantile exotropia. Hiles DA, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):161–8

[Fluorescein angiography of the iris after surgery of strabismus and retinal detachment] Beran V, et al. **Cesk Oftalmol** 1983 Jul;39(4):255–9 (Eng. Abstr.) **(Cze)**

[Anteroposition of the inferior oblique muscle (apropos of 220 cases). Results in comparison with myectomy] Dalens H, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):703–4, 707–9 (Eng. Abstr.) **(Fre)**

[Importance of the lateral rectus muscle of the deviated eye after recession of the medial rectus muscle] Spielmann A. **Bull Soc Ophtalmol Fr** 1983 Aug-Sep;83(8–9):1043–6 (Eng. Abstr.) **(Fre)**

[Adjustable surgery in exotropia] Spielmann A. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):259–66 (Eng. Abstr.) **(Fre)**

[Functional and cyclovertical surgery of strabismus (letter)] Gobin MH. **J Fr Ophtalmol** 1984;7(3):261–2 **(Fre)**

[Microcomputer-assisted planning of strabismus surgery—concomitant and paralytic strabismus] Rüssmann W, et al. **Fortschr Ophthalmol** 1983;80(4):284–7 (Eng. Abstr.) **(Ger)**

[Results of the surgical treatment of strabismus in adults] Mirkiewicz-Sieradzka B. **Klin Oczna** 1983 Jun;85(6):253–5 (Eng. Abstr.) **(Pol)**

[Diplopia as a complication of the surgical treatment of squint in adults] Mirkiewicz-Sieradzka B. **Klin Oczna** 1983 Jul; 85(7):275–7 (Eng. Abstr.) **(Pol)**

[Advantages of limbic incision of the conjunctiva in surgery for convergent strabismus in children] Peets SA, et al. **Oftalmol Zh** 1983;(7):420–1 (Eng. Abstr.) **(Rus)**

[Surgical complications in the operative treatment of strabismus in children] Pospelov VI, et al. **Oftalmol Zh** 1984;(1):55–8 **(Rus)**

[Features of choice of surgical procedure and long-term results of complex treatment of children with concomitant divergent nonaccommodative strabismus] Strogal' AS. **Oftalmol Zh** 1983;38(4):229–31 (Eng. Abstr.) **(Rus)**

[Patterns and causes of changes in the curvature of the cornea after surgery on the rectus muscles of the eye] Avetisov SE, et al. **Vestn Oftalmol** 1984 Jul-Aug;(4):24–6 (Eng. Abstr.) **(Rus)**

THERAPY

Orthoptic treatment of subjects showing slow accommodative responses. Bobier WR, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):678–87

Reduction of asthenopia in patients with convergence insufficiency after fusional vergence training. Cooper J, et al. **Am J Optom Physiol Opt** 1983 Dec;60(12):982–9

Clinical evaluation of vertical fixation disparity. Part One. Rutstein RP, et al. **Am J Optom Physiol Opt** 1983 Aug; 60(8):688–93

Vision function recovery during orthoptic therapy in an exotropic amblyope with high unilateral myopia. Selenow A, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):659–66

Cam vision stimulator in the treatment of strabismic and anisometropic amblyopia. Reddy RH, et al. **Indian J Ophthalmol** 1983 Jul;31(4):363–5

Oculomotor biofeedback therapy. Ciuffreda KJ, et al. **Int Rehabil Med** 1983;5(3):111–7 (49 ref.)

Effectiveness of visual therapy for convergence insufficiencies for an adult population. Cohen AH, et al. **J Am Optom Assoc** 1984 Jul;55(7):491–4

Considering the ocular motor system in the treatment of anomalous retinal correspondence. Cook DL. **J Am Optom Assoc** 1984 Feb;55(2):109–17

Exotropia and orthokeratology: a case report. Rued TC, et al. **J Am Optom Assoc** 1984 Jan;55(1):30, 42

Auditory biofeedback used to enhance convergence insufficiency therapy. Scheiman MM, et al. **J Am Optom Assoc** 1983 Nov;54(11):1001–3

Minus or plus lenses in the therapy of the convergence spasm? [letter] Viikari K. **J Clin Neuro Ophthalmol** 1984 Mar; 4(1):71–2

Medical management of accommodative esotropia. Hiatt RL. **J Pediatr Ophthalmol Strabismus** 1983 Sep–Oct; 20(5):199–201

Botulinum toxin chemo-denervation for strabismus in infants and children. Magoon EH. **J Pediatr Ophthalmol Strabismus** 1984 May–Jun; 21(3):110–3

Plum-blossom needle therapy in concomitant strabismus. A report of 103 cases. Zhong MQ. **J Tradit Chin Med** 1984 Mar;4(1):7–10

Modelling the results of the orthoptic treatment of divergence excess. Daum KM. **Ophthalmic Physiol Opt** 1984;4(1):25–9

Divergence excess: characteristics and results of treatment with orthoptics. Daum KM. **Ophthalmic Physiol Opt** 1984; 4(1):15–24

Overcorrecting minus lens therapy for treatment of intermittent exotropia. Caltrider N, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1160–5

[Treatment of strabismus] Tommila V. **Duodecim** 1984; 100(9):557–62 **(Fin)**

[Sectorial cuts and strips] Berrondo P. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):339–43 (Eng. Abstr.) **(Fre)**

[Practice of orthoptic rehabilitation in Professor René Hugonnier's department from 1979 to 1981] Hugonnier-Clayette S, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):917–25 **(Fre)**

[Development and training of monocular motor control] Gauthier GM, et al. **J Fr Ophtalmol** 1983;6(6–7):597–604 (Eng. Abstr.) **(Fre)**

[16th symposium on the management of strabismus of the Austrian Strabology Council. 2–3 October 1982, Wiener Neustadt. Abstracts] **Klin Monatsbl Augenheilkd** 1983 Aug; 183(2):148–52 **(Ger)**

[A new instrument for daily fusion training at home] Keller HH. **Klin Monatsbl Augenheilkd** 1984 Jan;184(1):62–3 (Eng. Abstr.) **(Ger)**

[Usefulness of various binocular vision tests under ambulatory conditions] Puchalska-Niedbałowa L. **Klin Oczna** 1984 Apr;86(4):155–8 (Eng. Abstr.) **(Pol)**

[Procedures of the Cluj-Napoca Ophthalmology Clinic in the orthoptic treatment of concomitant strabismus] Sandovici EM, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec; 27(4):301–4 (Eng. Abstr.) **(Rum)**

[Special prism for exercises for restoring binocular vision in strabismus] Kozorog VE. **Oftalmol Zh** 1983;(7):442–3 **(Rus)**

[Figured 'blinding' fields in the treatment of concomitant strabismus] Rozenberg VA. **Oftalmol Zh** 1983;38(5):265–8 (Eng. Abstr.) **(Rus)**

[15 years' experience of using prisms in treating strabismus] Avetisov ES, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

[Clinical effect of the use of reflexotherapy in children with strabismus and amblyopia] Kovalsvskil EI, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

[Results of using diploptics for treating concomitant strabismus in children] Shakarian AA. **Vestn Oftalmol** 1984 Jan-Feb;(1):32-3 (Eng. Abstr.) **(Rus)**

[Evaluation of the activity of the orthoptic kindergarten] Sváčová H, et al. **Cesk Oftalmol** 1983 Sep;39(5):332-7 (Eng. Abstr.) **(Slo)**

STRAMONIUM

Jimsonweed intoxication in adolescents and young adults. Klein-Schwartz W, et al. **Am J Dis Child** 1984 Aug; 138(8):737-9

Datura poisoning from hamburger--Canada. **JAMA** 1984 Jun 15;251(23):3075

Outbreak of Jimson Weed abuse among Marine Corps personnel at Camp Pendleton. O'Grady TC, et al. **Milit Med** 1983 Sep;148(9):732-4

Datura poisoning from hamburger -- Canada. **MMWR** 1984 May 25;33(20):282-3

Toxicity of jimson weed seed and cocoa shell meal to broilers. Day EJ, et al. **Poult Sci** 1984 Mar;63(3):466-8

Datura intoxication in Riyadh. Taha SA, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):134-5

[Attempted suicide by ingestion of Datura stramonium seeds (letter)] Simmat G, et al. **Presse Med** 1983 Oct 29; 12(38):2399 **(Fre)**

ULTRASTRUCTURE

The tonoplast, a specific marker of embryogenic microspores of Datura cultured in vitro. Sangwan RS, et al. **Histochemistry** 1983;78(4):473-80

STRATIGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY**

STREET DRUGS see under **DRUGS**

STREETER SYNDROME see **AMNIOTIC BAND SYNDROME**

STREPTOCOCCACEAE

ENZYMOLOGY

Proteolytic systems in lactic acid bacteria. Law BA, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):225-45 (99 ref.)

ISOLATION & PURIFICATION

Lactic acid bacteria of meat and meat products. Egan AF. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):327-36 (25 ref.)

METABOLISM

Carbohydrate metabolism in lactic acid bacteria. Kandler O. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):209-24 (79 ref.)

Lactic acid bacteria of wines: stimulation of growth and malolactic fermentation. Lafon-Lafourcade S, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):349-52 (14 ref.)

Lactic acid fermentation in the production of foods from vegetables, cereals and legumes. Steinkraus KH. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):337-48 (51 ref.)

Biosynthesis of peptidoglycan in Gaffkya homari: processing of nascent glycan by reactivated membranes. Bardin C, et al. **J Bacteriol** 1984 Feb;157(2):398-404

STREPTOCOCCAL INFECTIONS

Two-dimensional echocardiography of ruptured pulmonic valve with infective endocarditis. Suwa M, et al. **Am Heart J** 1984 May;107(5 Pt 1):1027-9

Changing spectrum of infective endocarditis in children. Analysis of 26 cases, 1970-1979. Stanton BF, et al. **Am J Dis Child** 1984 Aug;138(8):720-5

Streptococcus pneumoniae meningitis in two patients with peritoneovenous shunts. Camara DS, et al. **Am J Gastroenterol** 1984 Apr;79(4):287-90

Group B streptococcal arthritis in adults. Small CB, et al. **Am J Med** 1984 Mar;76(3):367-75

Enterococcal endocarditis following sigmoidoscopy and mitral valve prolapse. Rigilano J, et al. **Arch Intern Med** 1984 Apr;144(4):850-1

LeVeen shunt endocarditis [letter] Van Wyck DB, et al. **Arch Intern Med** 1984 Apr;144(4):868-9

Enterococcus: an unusual cause of septic arthritis. Zwillich SH, et al. **Arthritis Rheum** 1984 May;27(5):591-5

ARDS and pneumococcal pneumonia [letter] Torres A, et al. **Chest** 1984 Apr;85(4):584

Group B streptococcus amnionitis with intact membranes associated with quintuplet delivery. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Apr;17(1):29-32

Reflux nephropathy complicated by acute post-streptococcal glomerulonephritis. Sheridan RJ, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):119-21

Pelvic abscess associated with a Lippes loop. An unusual case. Hochner-Celnikier D, et al. **J Reprod Med** 1983 Aug; 28(8):542-5

Bursitis and tenosynovitis caused by group G streptococci. Meier JL, et al. **J Rheumatol** 1983 Oct;10(5):817-8

Aerococcus viridans endocarditis. Pien FD, et al. **Mayo Clin Proc** 1984 Jan;59(1):47-8

GABHS infective endocarditis: case report. Patterson HS, et al. **Milit Med** 1984 Feb;149(2):92-4

Purulent pericarditis caused by Streptococcus anginosus-constellatus. Reder RF, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):295-7

Early treatment of streptococcal pharyngitis [letter] Cohen DL. **Pediatr Infect Dis** 1984 Jul-Aug;3(4):370-1

Antibiotics for streptococcal pharyngitis [letter] Kaplan EL. **Pediatr Infect Dis** 1984 Jul-Aug;3(4):372

Mianserin induced agranulocytosis presenting as an abscess. Brumé J, et al. **Scott Med J** 1983 Oct;28(4):373-4

What's new in streptococcal pharyngitis. Murphy MD. **Tex Med** 1983 Aug;79(8):36-8

[Colonic adenomatous necrotic polyps and subacute bacterial endocarditis (letter)] Dubois A, et al. **Gastroenterol Clin Biol** 1983 Dec;7(12):1048 **(Fre)**

[Acute disseminated encephalomyelitis associated with streptococcal pharyngitis] Turgeon PP, et al. **Union Med Can** 1984 Jan;113(1):29-30 **(Fre)**

[Current status of streptococcus B infections] Günther E, et al. **Zentralbl Gynakol** 1984;106(11):757-61 **(Ger)**

[Group B streptococcal meningitis, septicemia and septic arthritis in neonates] Colin A, et al. **Harefuah** 1983 Feb 15;104(4):141-2 (Eng. Abstr.) **(Heb)**

[Acute streptococcal interstitial nephritis] Somekh E, et al. **Harefuah** 1983 Nov 15;105(10):314-6 (Eng. Abstr.) **(Heb)**

[Puerperal and neonatal pneumococcal infection] Yagupsky P, et al. **Harefuah** 1983 Oct 2;105(7):165-6 (Eng. Abstr.) **(Heb)**

[Streptococcus viridans pneumonias (letter)] Güell J, et al. **Med Clin (Barc)** 1984 May 12;82(18):824 **(Spa)**

[Epidemic pharyngitis due to a beta hemolytic Streptococcus of the Lancefield group G] Aguilar L, et al. **Rev Clin Esp** 1983 Oct 31;171(2):145-6 (Eng. Abstr.) **(Spa)**

BLOOD

Serum opsonic activity and peripheral neutrophil counts before and after exchange transfusion in infants with early onset group B streptococcal septicemia. Hall RT, et al. **Pediatr Infect Dis** 1983 Sep-Oct;2(5):356-8

Acquisition of K:1-like antigen during terminal sepsis. McGinniss MH, et al. **Transfusion** 1984 Jan-Feb; 24(1):28-30

[Diagnosis and therapy of neonatal streptococcus B infections] Handrick W, et al. **Zentralbl Gynakol** 1984; 106(11):762-4 **(Ger)**

COMPLICATIONS

Experimental poststreptococcal glomerulonephritis in rabbits. Bergholm AM, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):263-70

Purpura fulminans following late-onset group B beta-hemolytic streptococcal sepsis. Issacman SH, et al. **Am J Dis Child** 1984 Oct;138(10):915-6

Streptococcal lymphadenitis in homosexual men with chronic lymphadenopathy. Ho DD, et al. **Am J Med** 1984 Jul; 77(1):151-3

Guttate psoriasis, glomerulonephritis and streptococcal infection [letter] Chalmers RJ, et al. **Arch Dermatol** 1983 Dec;119(12):956

Pseudorheumatoid subcutaneous nodules and the poststreptococcal state. A case report. Dagan B, et al. **Arch Intern Med** 1983 Dec;143(12):2316-7

Group B streptococcal meningitis appearing as acute deafness in an adult. Harburg TD, et al. **Arch Neurol** 1984 Feb; 41(2):214-6

The production of dental plaque and caries by the bacterium Streptococcus salivarius in gnotobiotic WAG/RIJ rats. Drucker DB, et al. **Arch Oral Biol** 1984;29(6):437-43

Clinical and laboratory study of major and minor poststreptococcal syndromes. Mihalcu F, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec; 42(4):261-70

Urethritis caused by group B streptococci: a case report. Chowdhury MN, et al. **Br J Vener Dis** 1984 Feb;60(1):56-7

Myocardial depression in streptococcal cellulitis. Edwards JD, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):816-7

Myocardial depression in streptococcal cellulitis [letter] Redding PJ, et al. **Br Med J [Clin Res]** 1984 Jun 2; 288(6431):1688-9

Sternoclavicular joint infection as a cause of chest pain. Seviour PW, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):133-4

Group B streptococcal septicemia and delayed-onset congenital right-sided diaphragmatic hernia. Akierman AR, et al. **Can Med Assoc J** 1983 Dec 15;129(12):1289-90

Acute thrombocytopenic purpura and poststreptococcal acute glomerulonephritis in a child. Rizkallah MF, et al. **Clin Pediatr (Phila)** 1984 Oct;23(10):581-3

Two-dimensional echocardiographic demonstration of acute myocardial depression in septic shock. Ozier Y, et al. **Crit Care Med** 1984 Jul;12(7):596-9

Synergistic bacterial gangrene caused by a group A beta-haemolytic streptococcus and a Staphylococcus aureus. Colebunders R, et al. **Dermatologica** 1984; 168(3):150-1

Splenic abscess associated with Streptococcus bovis septicemia and neoplastic lesions of the colon. Belinkie SA, et al. **Dis Colon Rectum** 1983 Dec;26(12):823-4

Streptococcus bovis endocarditis and its association with colonic carcinoma. Silver SC. **Dis Colon Rectum** 1984 Sep; 27(9):613-4

Transverse cervical myelopathy: an unusual complication of retropharyngeal abscess. Heilbronn YD, et al. **Head Neck Surg** 1984 Jul-Aug;6(6):1051-3

Aortic valve endocarditis complicated by complete heart block. Dunn HM, et al. **Int J Cardiol** 1984 Jan;5(1):98-101

Incidence of beta hemolytic streptococcal pharyngitis in adolescent with infectious mononucleosis. Collins M, et al. **J Adolesc Health Care** 1984 Apr;5(2):96-100

Suppression of cellular reactivity to group A streptococcal antigens in patients with acute poststreptococcal glomerulonephritis. Reid HF, et al. **J Infect Dis** 1984 Jun; 149(6):841-50

ASO titre and serum complement (C3) in post-streptococcal glomerulonephritis. Shroff KJ, et al. **J Postgrad Med** 1984 Jan;30(1):27-32

Anti-streptococcal cell membrane and anti-human glomerular basement membrane titers in sera of patients with poststreptococcal acute glomerulonephritis and anaphylactoid purpura. Okuhara K, et al. **Jpn Circ J** 1983 Nov;47(11):1293-7

Epidemic poststreptococcal glomerulonephritis [clinical conference] Rodriguez-Iturbe B. **Kidney Int** 1984 Jan; 25(1):129-36

Premature rupture of the membranes and group B streptococci [letter] Rudd P. **Lancet** 1984 Aug 11; 2(8398):356

Premature delivery and group B streptococcal bacteriuria [letter] White CP, et al. **Lancet** 1984 Sep 8;2(8402):586

Post-delivery bleeding due to group B beta-haemolytic streptococcal infection [letter] Crowley J. **NZ Med J** 1984 Jun 13;97(757):377

Autumn--the season for post-streptococcal acute glomerulonephritis in New Zealand. Meekin GE, et al. **NZ Med J** 1984 Apr 11;97(753):226-9

Group C beta-hemolytic streptococcal endocarditis: report of a pediatric case. Robinson P, et al. **Pediatr Cardiol** 1984 Jan-Mar;5(1):61-3

Acute post-streptococcal glomerulonephritis following ear piercing. Ahmed-Jushuf IH, et al. **Postgrad Med J** 1984 Jan;60(699):73-4

Streptococcus bovis endocarditis and colonic polyp [letter] Jolobe OM, et al. **Postgrad Med J** 1983 Nov;59(697):738

Streptococcus bovis endocarditis with carcinoma of the colon [letter] Ahmad S. **South Med J** 1984 May;77(5):671

Streptococcus MG-intermedius (S milleri) hepatic abscesses in two patients with regional enteritis. Brasitus TA, et al. **South Med J** 1983 Oct;76(10):1297-8

Hematogenous group B streptococcal osteomyelitis in an adult. Gordon DM, et al. **South Med J** 1984 May; 77(5):643-5

Streptococcus bovis septicemia and meningitis associated with chronic radiation enterocolitis. Jadeja L, et al. **South Med J** 1983 Dec;76(12):1588-9

Elevated intramuscular pressure and rhabdomyolysis complicating streptococcal fasciitis. Dannemann BR, et al. **West J Med** 1984 Jun;140(6):945-8

Enterococcal endocarditis following flexible sigmoidoscopy. Rodriguez W, et al. **West J Med** 1984 Jun;140(6):951-3

[Acute infectious arthritis caused by hemolytic streptococci group A] Bak P. **Ugeskr Laeger** 1984 Jan 2;146(1):31-2 (Eng. Abstr.) **(Dan)**

[Anaerobic septicemia following oropharyngeal infections (Lemierre's postanginal septicemia): a forgotten syndrome] Hirschel B, et al. **Schweiz Med Wochenschr** 1983 Dec 31; 113(52):2008-11 (Eng. Abstr.) **(Fre)**

[Roth's septic retinitis] Schneider G. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):225-6 (Eng. Abstr.) **(Ger)**

[Study on the etiology of Kawasaki disease based on the changes in symptomatology and morbidity among various age groups--on validity of the streptococcal infection theory] Yamamoto T. **Nippon Rinsho** 1983 Sep; 41(9):1994-2004 **(Jpn)**

[Critique on the streptococcal infection theory for the cause of Kawasaki disease] Yanase Y. **Nippon Rinsho** 1983 Sep; 41(9):2057-62 (21 ref.) **(Jpn)**

[Periapical abscess as a cause of disseminated intravascular coagulation and hematuria] Hansz J, et al. **Pol Tyg Lek** 1983 Oct 10;38(41):1291-2 (Eng. Abstr.) **(Pol)**

[The upper respiratory tract and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):77-81 (99 ref.) **(Rus)**

[Clinical picture and diagnosis of metatonsillar diseases in servicemen] Liashenko IuI. **Voen Med Zh** 1984 Mar; (3):66-8 **(Rus)**

CONGENITAL

Gram's stains of tracheal secretions predict neonatal bacteremia. Sherman MP, et al. **Am J Dis Child** 1984 Sep; 138(9):848-50

[Streptococcus group B neonatal infection and postnatal diaphragmatic hernia] Montoya F, et al. **Pediatrie** 1983 Dec;38(8):553-9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Triple-valve endocarditis with unusual echocardiographic findings. Rippe JM, et al. **Am Heart J** 1984 Mar; 107(3):598-605

Diagnosis complicated by group A streptococcus. Maehara KT, et al. **Am J Med Technol** 1983 Dec;49(12):876-8

Epiglottic abscess due to group B Streptococcus. Communication. Ridgeway NA, et al. **Ann Otol Rhinol Laryngol** 1984 May-Jun;93(3 Pt 1):277–8
Clinical and morphological recovery between two episodes of acute glomerulonephritis: a light and electron microscopic study with immunofluorescence. Rosenberg HG, et al. **Clin Nephrol** 1984 Jun;21(6):350–4
Unilateral septic sacro-iliitis. Importance of the anterior view of the bone scan. Kumar R, et al. **Clin Nucl Med** 1983 Sep;8(9):413–5
Ethmoiditis, conjunctivitis, and orbital cellulitis due to enterococcus infection. Elitsur Y, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):123
Group B streptococcus arthritis. Colebunders R, et al. **Clin Rheumatol** 1983 Dec;2(4):427–9
Streptococcal pharyngitis in children. Weiss JC. **Del Med J** 1983 Jul;55(7):427–9
Microtiter anti-streptolysin 'O' titration of serum samples from finger-prick blood. Thangavelu CP, et al. **Indian J Pathol Microbiol** 1983 Apr;26(2):117–20
Clinical and echocardiographic correlations in right heart endocarditis. Panidis IP, et al. **Int J Cardiol** 1984 Jul; 6(1):17–34
A five-year experience with throat cultures. Shank JC, et al. **J Fam Pract** 1984 Jun;18(6):857–63
Acute cervical lymphadenitis in hospitalized pediatric patients: predominance of Staphylococcus aureus in infancy. Ahonkhai VI, et al. **J Natl Med Assoc** 1984 Apr; 76(4):367–9
Treating the patient with sore throat. Theory v practice [editorial] Bisno AL. **JAMA** 1983 Nov 4;250(17):2351
Spontaneous bacterial peritonitis caused by a viridans Streptococcus or Neisseria perflava. McCue JD. **JAMA** 1983 Dec 23-30;250(24):3319–21
The clinical management of sore throat: a comparison of three ambulatory settings. O'Malley MS, et al. **NC Med J** 1984 May;45(5):291–5
Comparison of three major antigen detection methods for the diagnosis of Group B streptococcal sepsis in neonates. Hamoudi AC, et al. **Pediatr Infect Dis** 1983 Nov-Dec; 2(6):432–5
Rapid diagnosis of group B streptococcal infection utilizing a commercially available latex agglutination assay. Friedman CA, et al. **Pediatrics** 1984 Jan;73(1):27–30
How is suspected streptococcal pharyngitis managed?. A study of what physicians actually think and do. Arthur JD, et al. **Postgrad Med** 1984 Mar;75(4):241, 244–5, 248
Reliability of office-based diagnostic tools in streptococcal pharyngitis. Morris SD. **W Va Med J** 1984 May;80(5):89–94
[Streptococcus A septicemia. An analysis of 18 cases in adults] Enzensberger R, et al. **Dtsch Med Wochenschr** 1984 Jun 8;109(23):899–902 (Eng. Abstr.) **(Ger)**
[Throat infections caused by beta-hemolytic Streptococci. Diagnosis in general practice] Hjortdahl P, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):673–6 (Eng. Abstr.) **(Nor)**
[Micromethods and rapid technics for study of group B Streptococci, isolated from vaginal secretion] Mihalcu F, et al. **Rev Ig [Bacteriol]** 1983 Apr-Jun;28(2):179–86 (Eng. Abstr.) **(Rum)**
[A variant of the ASLO micromethod in the clinical laboratory] Titeica M, et al. **Rev Ig [Bacteriol]** 1983 Jan-Mar;28(1):59–64 **(Rum)**
[Microbial eczema in a hot climate] Chebotarev KS, et al. **Voen Med Zh** 1984 Jun;(6):57–8 **(Rus)**

DRUG THERAPY

Effect of early penicillin treatment on the development of experimental poststreptococcal glomerulonephritis. Bergholm AM, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):271–81
Erythromycin therapy for group A streptococcal pharyngitis. Results of a comparative study of the estolate and ethylsuccinate formulations. Ginsburg CM, et al. **Am J Dis Child** 1984 Jun;138(6):536–9
Optimal therapy for enterococcal endocarditis. Herzstein J, et al. **Am J Med** 1984 Feb;76(2):186–91
Controversies in the management of streptococcal pharyngitis. Gellis SS. **Am J Otolaryngol** 1983 Nov-Dec; 4(6):414–5
Early treatment of streptococcal pharyngitis. Lowe R, et al. **Ann Emerg Med** 1984 Jun;13(6):440–8 (41 ref.)
Enigmatic enterococcal endocarditis. Scheld WM, et al. **Ann Intern Med** 1984 Jun;100(6):904–5
Treatment of streptomycin-susceptible and streptomycin-resistant enterococcal endocarditis. Wilson WR, et al. **Ann Intern Med** 1984 Jun;100(6):816–23
Comparative efficacies of mezlocillin and ampicillin alone or in combination with gentamicin in the treatment of Streptococcus faecalis endocarditis in rabbits. Fass RJ, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):408–10
Streptococcal pharyngitis: is 10 days of therapy still mandatory? [letter] Shuper A, et al. **Can Med Assoc J** 1984 Aug 15;131(4):278–9
Experimental group B streptococcal endocarditis treated with penicillin G versus ceftizoxime. In vitro-in vivo disparity. Bayer AS, et al. **Chemotherapy** 1983;29(5):352–61
Comparison between cephalexin two- and four-time per day regimens in group A streptococcal pharyngitis. Stillerman M, et al. **Clin Pediatr (Phila)** 1984 Jun;23(6):348–51
Pathogenesis and treatment of enterococcal infections. Gross MH, et al. **Clin Pharm** 1984 Mar-Apr;3(2):161–6 (49 ref.)
In vitro susceptibility of Streptococcus bovis to six antibiotics. Klein RS, et al. **Clin Ther** 1984;6(4):518–23
Treatment of meningitis in infants caused by group B-streptococci using benzylpenicillin and streptomycin. Christensen HO, et al. **Dan Med Bull** 1983 Nov;30(6):416–8
The extended microbiology of group A streptococcal pharyngitis. Observations during a double-blind controlled study of cephalexin twice versus four-times daily. Tarpay MM, et al. **Infection** 1984 May-Jun;12(3):181–4
Concentrations of cloxacillin and erythromycin in the tonsils of children after administration of therapeutic doses. Brzezińska H, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar;7(1):51–61
Imipenem therapy of experimental Staphylococcus aureus and Streptococcus faecalis endocarditis. Scheld WM, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:65–78
Enterococcal meningitis: failure of treatment with ampicillin and chloramphenicol [letter] Venezio FR, et al. **J Infect Dis** 1984 Aug;150(2):305
Treatment of CSF shunt infections with intrashunt plus oral antibiotic therapy. Frame PT, et al. **J Neurosurg** 1984 Feb; 60(2):354–60
Treatment of acute maxillary sinusitis in childhood: a comparative study of amoxicillin and cefaclor. Wald ER, et al. **J Pediatr** 1984 Feb;104(2):297–302
Antibiotics, sore throats and acute nephritis. Taylor JL, et al. **J R Coll Gen Pract** 1983 Dec;33(257):783–6
Does penicillin make Johnny's strep throat better? Hall CB, et al. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):7–9
The effect of penicillin therapy on the symptoms and signs of streptococcal pharyngitis. Nelson JD. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):10–3
Antibiotics and pharyngitis [letter] Shulman ST. **Pediatr Infect Dis** 1984 May-Jun;3(3):285
The role of cephalexin in the treatment of skin and soft-tissue infections. Derrick CW Jr, et al. **Postgrad Med J** 1983;59 Suppl 5:43–6 (35 ref.)
Therapeutic potential of rifampin in enterococcal infections. Moellering RC Jr, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S528–32
Monitoring antimicrobial therapy in bacterial endocarditis. Dornbusch K, et al. **Scand J Infect Dis [Suppl]** 1983; 41:173–6
Respiratory tract infections at a community care centre—with emphasis on group A streptococci. Hovelius B, et al. **Scand J Infect Dis [Suppl]** 1983;39:59–67
The ineffectiveness of tobramycin combination therapy in Streptococcus faecium endocarditis. Goldstein JA, et al. **Yale J Biol Med** 1983 May-Jun;56(3):243–9
[The value of targeted antibiotic therapy based on the example of streptococcal infections with special reference to late side effects] Zechner G. **Wien Med Wochenschr** 1983;133 Suppl 1:17–21 **(Ger)**
[Streptococcus pneumoniae partially resistant to penicillin and resistant to chloramphenicol] Cahane Z, et al. **Harefuah** 1983 Apr 15;104(8):338–9 **(Heb)**
[Azidocillin and streptococcal infections: pharmacokinetics and clinical aspects] Mignone F, et al. **Minerva Pediatr** 1983 Jun 15;35(11):587–95 (Eng. Abstr.) **(Ita)**
[Ericycline in the complex treatment of chronic pyoderma patients] Bukharovich AM. **Antibiotiki** 1983 Oct; 28(10):778–80 **(Rus)**
[Chemotherapy of erysipelatous inflammation and other streptococcal infections] Chernomordik AB. **Klin Khir** 1984 Jan;(1):56–8 (Eng. Abstr.) **(Rus)**
[Antibiotics in the therapy of microbial eczema] Shaposhnikov OK, et al. **Voen Med Zh** 1983 Nov;(11):52–3 **(Rus)**
[Prophylaxis of streptococcal endocarditis] Pujadas Capmany R. **Med Clin (Barc)** 1983 Nov 26;81(17):758–60 **(Spa)**

ETIOLOGY

Early onset group B streptococcal disease. Seven year experience and clinical scoring system. Lannering B, et al. **Acta Paediatr Scand** 1983 Jul;72(4):597–602
Infected cardiac myxoma. Quinn TJ, et al. **Am J Cardiol** 1984 Jan 15;53(2):381–2
Neutropenia, fever, and infection. Brown AE. **Am J Med** 1984 Mar;76(3):421–8
Infectious crystalline keratopathy. Meisler DM, et al. **Am J Ophthalmol** 1984 Mar;97(3):337–43
Role of enterococcus in intraabdominal sepsis. Dougherty SH. **Am J Surg** 1984 Sep;148(3):308–12 (47 ref.)
Group B streptococcal meningitis in an intravenous drug abuser. Feltoon A, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):739–42
Streptococcus bovis bacteremia and acquired immunodeficiency syndrome [letter] Glaser JB, et al. **Ann Intern Med** 1983 Dec;99(6):878
Suppurative interstitial ring keratitis due to streptococcus. Liesegang TJ, et al. **Ann Ophthalmol** 1984 Apr;16(4):392–6
Cutaneous group B streptococcal infection. James WD. **Arch Dermatol** 1984 Jan;120(1):85–6
Neonatal group B streptococcal meningitis. Mulder CJ, et al. **Arch Dis Child** 1984 May;59(5):439–43
Bacteremia following transbronchial fine needle aspiration (letter). Watts WJ, et al. **Chest** 1984 Feb;85(2):295
A maternal-neonatal outbreak of infections due to an unusual group A beta-hemolytic streptococcus. Wiesenthal AM. **Infect Control** 1984 Jun;5(6):271–4
Pneumococcal cellulitis [letter] Rodloff AC, et al. **Infection** 1983 Nov-Dec;11(6):346
Group C streptococcal endocarditis associated with intubation-induced tracheal stenosis. Jack CM, et al. **Int J Cardiol** 1984 Mar;5(3):376–9
Bacteraemia in streptococcal infections of the throat. Barnham M. **J Infect** 1983 Nov;7(3):203–9
Diagnosis and treatment of right Bochdalek hernia associated with group B streptococcal pneumonia and sepsis in the neonate. Ashcraft KW, et al. **J Pediatr Surg** 1983 Aug; 18(4):480–5
Mucositis and alpha-streptococcal sepsis in bone marrow transplant recipients [letter] Bostrom B, et al. **Lancet** 1984 May 19;1(8386):1120–1
Septicaemia caused by viridans streptococci in neutropenic patients with leukaemia. Cohen J, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1452–4
Necrotising fasciitis due to group C and G haemolytic streptococcus after chiropody [letter] Gaunt N, et al. **Lancet** 1984 Mar 3;1(8375):516
Risk factors for streptococcal septicaemia after marrow transplantation [letter] Mascret B, et al. **Lancet** 1984 May 26;1(8387):1185–6
Recurrent streptococcal cellulitis complicating radical hysterectomy and radiation therapy. Chmel H, et al. **Obstet Gynecol** 1984 Jun;63(6):862–4
Pyogenic liver abscess caused by Streptococcus milleri. Case reports. Allison HF, et al. **S Afr Med J** 1984 Mar 17; 65(11):432–5
Multiloculated hepatic abscess caused by alpha-hemolytic Streptococcus. Ford JM, et al. **South Med J** 1984 Apr; 77(4):514–6
Streptococcus milleri empyema. Plump DH, et al. **South Med J** 1983 Oct;76(10):1321–2
Meningitis due to Streptococcus milleri (Streptococcus MG-intermedius). Wu CH, et al. **South Med J** 1983 Oct; 76(10):1322–3
[Neonatal infection caused by the beta-hemolytic streptococcus of group B: review] Thomas D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):109–16 (Eng. Abstr.) **(Fre)**
[Purulent pericarditis after splenic irradiation for Hodgkin's disease (letter)] Dennewald G, et al. **Presse Med** 1984 Jun 23;13(26):1633–4 **(Fre)**
[Streptococcal meningitis following radiculography with metrizamide (letter)] Vittecoq D, et al. **Presse Med** 1984 Jun 30;13(27):1696 **(Fre)**
[Infectious intracardiac complications of gunshot wounds of the heart] Shevchenko IuL. **Vestn Khir** 1983 Nov; 131(11):86–9 (Eng. Abstr.) **(Rus)**
[Streptococci group B in human pathology] Bulgakova TN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug; (8):7–17 (81 ref.) **(Rus)**
[Polymicrobial bacterial endocarditis in a patient with mitral prolapse] Pigrau C, et al. **Med Clin (Barc)** 1983 Jun 18; 81(2):70–2 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Multiple types of the bacterium Streptococcus mutans in the human mouth and their intra-family transmission. Davey AL, et al. **Arch Oral Biol** 1984;29(6):453–60
Deficiency of IgG subclasses in mothers of infants with group B streptococcal septicemia. Oxelius VA, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):249–52

IMMUNOLOGY

Experimental pyelonephritis. The effect of T-cell deficiency on the course of hematogenous enterococcal pyelonephritis in the mouse. Pitchon H, et al. **Am J Pathol** 1984 Apr; 115(1):25–30
Experimental urinary tract infection in rabbits by a group D Streptococcus sp.: a study of serum immunoglobulin classes by enzyme-linked immunosorbent assay. Desnottes JF, et al. **Ann Microbiol (Paris)** 1983 May-Jun;134(3):351–8
Role of granulocytes in the prevention and therapy of experimental Streptococcus sanguis endocarditis in rabbits. Meddens MJ, et al. **Antimicrob Agents Chemother** 1984 Feb; 25(2):263–7
Antipolysaccharide group-specific antibodies of Streptococcus pyogenes in children. Razon Veronesi S. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):433–44
Role of granulocytes in the induction of an experimental endocarditis with a dextran-producing Streptococcus sanguis and its dextran-negative mutant. Meddens MJ, et al. **Br J Exp Pathol** 1984 Apr;65(2):257–65
Immunological studies of post-streptococcal sequelae: serological studies with an extracellular protein associated with nephritogenic streptococci. Ohkuni H, et al. **Clin Exp Immunol** 1983 Oct;54(1):185–93
Cationic antigens in poststreptococcal glomerulonephritis. Vogt A, et al. **Clin Nephrol** 1983 Dec;20(6):271–9
Peripheral blood T & B lymphocytes during acute rheumatic fever, rheumatic heart disease & streptococcal pharyngitis. Prakash K, et al. **Indian J Med Res** 1983 Jul;78:1–6
Type-specific capsular antigen is associated with virulence in late-onset group B Streptococcal type III disease. Klegerman ME, et al. **Infect Immun** 1984 Apr;44(1):124–9
Effects of local immunization of hamsters with glucosyltransferase antigens on infection with Streptococcus sanguis. Smith DJ, et al. **Infect Immun** 1983 Oct;42(1):156–62
Biosynthetic capacity for type-specific antigen synthesis

determines the virulence of serotype III strains of group B streptococci. Yeung MK, et al. **Infect Immun** 1984 May; 44(2):217–21

Immunological studies of post-streptococcal sequelae. Evidence for presence of streptococcal antigens in circulating immune complexes. Friedman J, et al. **J Clin Invest** 1984 Sep;74(3):1027–34

Serology and tissue lesions in rabbits immunized with Streptococcus mutans. Stinson MW, et al. **J Immunol** 1983 Dec;131(6):3021–7

Absolute requirement for complement in monoclonal IgM antibody-mediated protection against experimental infection with type III group B streptococci. Shigeoka AO, et al. **J Infect Dis** 1984 Jul;150(1):63–70

C3 metabolism in acute glomerulonephritis: implications for sites of complement activation. Endre ZH, et al. **Kidney Int** 1984 Jun;25(6):937–41

The effect of hybridoma antibody administration upon neutrophil kinetics during experimental type III group B streptococcal sepsis. Christensen RD, et al. **Pediatr Res** 1983 Oct;17(10):795–9

The role of antibody and complement in the reticuloendothelial clearance of pneumococci from the bloodstream. Brown EJ, et al. **Rev Infect Dis** 1983 Sep–Oct; 5 Suppl 4:S797–805 (20 ref.)

[Streptococcal seroepidemiology: comparison of 3 methods] Angela GC, et al. **Boll Ist Sieroter Milan** 1983 Sep 30; 62(4):333–43 (Eng. Abstr.) **(Ita)**

[Anti-streptococcal esterase (ASE) and ASO in streptococcal infections in children] Nakamura Y, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):771–5 (Eng. Abstr.) **(Jpn)**

[Study of serum AHD and ANAD titers in healthy children and patients with streptococcal infectious disease] Okuyama M, et al. **Kansenshogaku Zasshi** 1983 Dec; 57(12):1095–107 (Eng. Abstr.) **(Jpn)**

[Behçet's disease and streptococcal infection. Measurement of Streptococcus derivative antigen] Namba K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1112–20 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of antibody against an extracellular protein associated with nephritogenic streptococci by using the enzyme-linked immunosorbent assay (ELISA)] Quan JW, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):339–45 (Eng. Abstr.) **(Jpn)**

[Specific immunity in patients with suppurative processes in the abdominal cavity] Perfil'ev DF. **Khirurgiia (Mosk)** 1984 Apr;(4):43–5 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Serious infections due to group G streptococci. Report of 15 cases with in vitro–in vivo correlations. Lam K, et al. **Am J Med** 1983 Oct;75(4):561–70

Endocarditis caused by Streptococcus morbillorum. Coto H, et al. **Am J Med Sci** 1984 May–Jun;287(3):54–8

Acute epiglottitis in adults. Khilanani U, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):65–70

Penicillin–resistant Streptococcus pneumoniae keratitis [letter] Sutphin JE, et al. **Am J Ophthalmol** 1984 Mar; 97(3):388–9

Neonatal Streptococcus bovis (non–enterococcal group D streptococcus) septicemia and meningitis. Report of a case [letter] Figura N, et al. **Ann Sclavo** 1982 Jul–Aug; 24(4):440–2

Infection caused by vancomycin–resistant Streptococcus sanguis II. Shlaes DM, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):527–8

Infections due to streptococci group C at the Lagos University Teaching Hospital. Coker AO, et al. **East Afr Med J** 1984 Jan;61(1):56–9

Evaluation of a selective blood agar medium for recovery of haemolytic streptococci from throat cultures. Thangavelu CP, et al. **Indian J Med Res** 1984 Jan;79:46–9

Exopolysaccharide production by viridans streptococci in experimental endocarditis. Mills J, et al. **Infect Immun** 1984 Jan;43(1):359–67

Endocarditis due to a penicillin–tolerant streptococcus bovis: microbiological findings and echocardiographic follow-up. Mittermayer H, et al. **Infection** 1983 Nov–Dec;11(6):302–6

Pharyngitis–tonsillitis in a college population. Ruch CR, et al. **J Am Coll Health** 1984 Apr;32(5):222–6

Rapid identification of pregnant women heavily colonized with group B streptococci. Jones DE, et al. **J Clin Microbiol** 1983 Sep;18(3):558–60

Effect of volume of blood cultured on detection of Streptococcus viridans bacteraemia. Shanson DC, et al. **J Clin Pathol** 1984 May;37(5):568–70

Group B streptococci: colonization of women in labour and neonatal acquisition in the western region of Saudi Arabia. Gosling PJ, et al. **J Hosp Infect** 1983 Sep;4(3):324

Streptococcal infection in a regional burns centre and a plastic surgery unit. Whitby M, et al. **J Hosp Infect** 1984 Mar;5(1):63–9

Group G streptococcal septicaemia: report of six cases. Dickie AS, et al. **J Infect** 1984 Mar;8(2):173–6

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early-onset disease. II. Predictive value of prenatal cultures. Boyer KM, et al. **J Infect Dis** 1983 Nov;148(5):802–9

Clinical comparison of glucose broth with nutrient broth blood cultures for the detection of 'Streptococcus viridans' bacteraemia. Shanson DC, et al. **J Med Microbiol** 1983 Nov;16(4):497–9

A follow-up study on epidemic infections of Group A streptococci in a small community. Takeuchi T, et al. **Jpn Circ J** 1983 Nov;47(11):1283–6

Bacterial interference in streptococcal tonsillitis. Holm SE, et al. **Scand J Infect Dis [Suppl]** 1983;39:73–8

The need for control of throat streptococcal cultures in general practice. Larsson P, et al. **Scand J Infect Dis [Suppl]** 1983;39:79–82

Cultures for children with sore throat [letter] Huchton P. **Tex Med** 1983 Dec;79(12):4–5

Isolation and characterization of group B streptococci from genito-urinary tracts in Japan. Yamane N, et al. **Tohoku J Exp Med** 1983 Nov;141(3):327–35

Bacterial interference in the throat flora during a streptococcal tonsillitis outbreak in an apartment house area. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):72–9

Pigment production in human and bovine streptococcus agalactiae strains. Brglez I. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):533–8

[Role of Streptococcus group D in infections in newborn infants] Peskine F, et al. **Pediatrie** 1983 Oct–Nov; 38(7):465–74 (Eng. Abstr.) **(Fre)**

[Bacteriological studies of materno-fetal infections caused by group B Streptococcus] Crotti D, et al. **Quad Sclavo Diagn** 1983 Jun;19(2):230–4 (Eng. Abstr.) **(Ita)**

[Initial locus of invasion of hemolytic streptococci. I. Streptococcal infection induced by aerosol method in mice] Hokonohara M, et al. **Kansenshogaku Zasshi** 1983 Oct; 57(10):882–9 (Eng. Abstr.) **(Jpn)**

[Usefulness of the bacteriological transport kit no. 1 in maxillofacial surgery and stomatology] Lewandowski B, et al. **Wiad Lek** 1983 Dec 1;36(23):1957–62 (Eng. Abstr.) **(Pol)**

[Bacteriological characteristics of a surgical hospital] Petrov VP, et al. **Vestn Khir** 1983 Jul;131(7):11–5 (Eng. Abstr.) **(Rus)**

[The role of normal flora of the respiratory tract in infections caused by beta-hemolytic group A Streptococci] Milić B, et al. **Srp Arh Celok Lek** 1983 Jun;111(6):761–8 (Eng. Abstr.) **(Scc)**

[Group G streptococcal bacteremia in a heroin addict (letter)] Martínez Luengas F, et al. **Med Clin (Barc)** 1984 Jun 9; 83(2):86 **(Spa)**

[Neonatal streptococcus group B infection—osteomyelitis with an unusual onset] Andersson JE. **Lakartidningen** 1983 Sep 21;80(38):3427 **(Swe)**

MORTALITY

Life-threatening soft-tissue infections of the neck. Beck HJ, et al. **Laryngoscope** 1984 Mar;94(3):354–62

OCCURRENCE

An outbreak of Streptococcus pyogenes infections in a nursing home. Ruben FL, et al. **Ann Intern Med** 1984 Oct; 101(4):494–6

Neonatal septic arthritis. Dan M. **Isr J Med Sci** 1983 Nov; 19(11):967–71

Epidemiology of group B streptococci in an Israeli hospital. Eidelman AI, et al. **Isr J Med Sci** 1983 Oct;19(10):903–5

Epidemiology of group B streptococcal colonization in pregnancy. Regan JA. **Isr J Med Sci** 1983 Oct;19(10):906–9

Perinatal group B streptococcal infections in Israel. Weintraub Z, et al. **Isr J Med Sci** 1983 Oct;19(10):900–2

Streptococcal pharyngitis in a college health population. Lundin SR, et al. **J Am Coll Health** 1984 Apr;32(5):277–30

Clinical laboratory and epidemiological investigations of a Streptococcus pyogenes cluster epidemic in a newborn nursery. Isenberg HD, et al. **J Clin Microbiol** 1984 Mar; 19(3):366–70

What is the risk of beta-haemolytic streptococcal infection in obstetrics?: discussion paper. Easmon CS. **J R Soc Med** 1984 Apr;77(4):302–8

Streptococcal pharyngitis and acute rheumatic fever in Rhode Island. Holmberg SD, et al. **JAMA** 1983 Nov 4; 250(17):2307–12

Estimating national incidence of group B streptococcal disease: the effect of adjusting for birth weight [letter] Cochi SL, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):414–5

Screening for group A beta hemolytic streptococcal pharyngitis. Kern BB. **Tex Med** 1984 Jul;80(7):48–9

[Sepsis and meningitis in newborn and young infants cause by group B Streptococci (Streptococcus agalactiae)] de Groot R, et al. **Ned Tijdschr Geneeskd** 1983 Nov 26; 127(48):2175–9 (Eng. Abstr.) **(Dut)**

[Epidemiology and treatment of Streptococcus B perinatal infections] Lejeune C, et al. **Arch Fr Pediatr** 1984 Apr; 41(4):221–91 (146 ref.) **(Fre)**

[Prevalence and persistence of the beta-hemolytic streptococcus carrier state. I: Survey of a school community of Rome] D'Arca AS, et al. **Nuovi Ann Ig Microbiol** 1982 Jan–Feb;33(1):3–22 (Eng. Abstr.) **(Ita)**

[Surveys on two successive epidemics of streptococcus infection among children in O town, Toyama Prefecture, with special reference to follow-up examinations] Kodama H, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1060–6 (Eng. Abstr.) **(Jpn)**

[An epidemiological study on group A streptococci in two towns with high and low incidence rates of scarlet fever] Morita M, et al. **Kansenshogaku Zasshi** 1983 Dec; 57(12):1067–74 (Eng. Abstr.) **(Jpn)**

[Bacteriologic evaluation of urinary tract infections in children] Szymborski J, et al. **Wiad Lek** 1984 Mar 1; 37(5):349–55 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Morphological changes and pathology of mouse glomeruli infected with a streptococcal L-form or exposed to lipoteichoic acid. Tomlinson K, et al. **Infect Immun** 1983 Dec;42(3):1144–51

Overwhelming infection after splenectomy in spite of some spleen remaining and splenosis. A case report. Sass W, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1075–9

Group-A streptococcal infection in the newborn [letter] Coulter JB, et al. **Lancet** 1984 Aug 11;2(8398):355–6

Back pain and rapid neurologic deterioration in an elderly woman [clinical conference] **NY State J Med** 1984 Jan; 84(1):23–8

[Streptococcus viridans pneumonia (letter)] Arán X, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):501 **(Spa)**

PHYSIOPATHOLOGY

Group B streptococcal arthritis in adults. Laster AJ, et al. **Am J Med** 1984 May;76(5):910–5

Intrauterine infections with group B beta-haemolytic streptococci. Desa DJ, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):237–9

A febrile health analyst with a complex history. Hoffman T. **Hosp Pract [Off]** 1984 Mar;19(3):22–4

Predictive value of fractional excretion of filtered sodium for hypertension in acute post-streptococcal glomerulonephritis. Mota-Hernandez F, et al. **J Pediatr** 1984 Apr;104(4):560–3

Pulmonary hemodynamic and ultrastructural changes associated with Group B streptococcal toxemia in adult sheep and newborn lambs. Rojas J, et al. **Pediatr Res** 1983 Dec;17(12):1002–8

PREVENTION & CONTROL

Site of splenic autotransplantation affects protection from sepsis. Livingston CD, et al. **Am J Surg** 1983 Dec; 146(6):734–7

Antibiotic prophylaxis against streptomycin–resistant and –susceptible Streptococcus faecalis endocarditis in rabbits. Guze PA, et al. **Antimicrob Agents Chemother** 1983 Oct; 24(4):514–7

Prophylaxis of experimental endocarditis in rabbits using one or two doses of amoxycillin. McGowan DA, et al. **Br Dent J** 1983 Aug 6;155(3):88–90

Immunoprophylaxis and immunotherapy of neonatal group B streptococcal infections. Gotoff SP. **Infection** 1984 Mar–Apr;12(2):151–6

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early-onset disease. I. Epidemiologic rationale. Boyer KM, et al. **J Infect Dis** 1983 Nov; 148(5):795–801

Chemoprophylaxis of experimental rabbit endocarditis with N-formimidoyl thienamycin [letter] Guze PA, et al. **J Infect Dis** 1984 Jul;150(1):159–60

Protective efficacy of hybridoma type-specific antibody against experimental infection with group-B Streptococcus. Shigeoka AO, et al. **J Infect Dis** 1984 Mar; 149(3):363–72

International co-operative study on streptococcal infections, rheumatic fever and rheumatic heart disease in Asia. Shiokawa Y. **Jpn Circ J** 1983 Nov;47(11):1347–50

Prevention of early-onset group B streptococcal infection in the newborn [editorial] **Lancet** 1984 May 12; 1(8385):1056–8

Streptococcal sepsis in bone marrow transplant patients [letter] Henslee J, et al. **Lancet** 1984 Feb 18;1(8373):393

Decreased incidence of viridans streptococcal septicaemia in allogeneic bone marrow transplant recipients after the introduction of acyclovir [letter] Ringdén O, et al. **Lancet** 1984 Mar 31;1(8379):744

Prevention of early-onset group B streptococcal infection in newborn [letter] Valman HB, et al. **Lancet** 1984 Jun 16;1(8390):1353

Human IgG antibodies to carbohydrate and protein antigens in mouse protection tests with group B streptococci. Christensen KK, et al. **Pediatr Res** 1984 May;18(5):478–82

Streptococcal disease control in an ambulatory practice. Explicit criteria for throat cultures. Wright RA, et al. **West J Med** 1984 Mar;140(3):409–13

[Infections caused by group B streptococci—a perinatal problem] Håkansson S. **Lakartidningen** 1984 Jun 6; 81(23):2351–3 **(Swe)**

RADIOGRAPHY

Primary acute haematogenous osteomyelitis of an isolated metatarsal in children. Robb JE. **Acta Orthop Scand** 1984 Jun;55(3):334–8

The case of the enlarged spleen. Seaman WB. **Hosp Pract [Off]** 1984 Jun;19(6):55–6

Dynamic computed tomographic scans in experimental brain

abscess. Enzmann DR, et al. **Neuroradiology** 1984; 26(4):309–13

[Acute subdural empyema. With special reference to CT findings and surgical treatment—case report] Sasahira M, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):381–6 (Eng. Abstr.) **(Jpn)**

[Bacterial infection of the sacroiliac joint] Järvholm U, et al. **Lakartidningen** 1984 May 30;81(22):2278–9 **(Swe)**

SURGERY

The surgical management of extravalvular aortic root infection. Sethia B, et al. **Ann Thorac Surg** 1984 Jun; 37(6):484–7

Aortic and mitral valve replacement for bacterial endocarditis in pregnancy. A case report. O'Donnell D, et al. **S Afr Med J** 1983 Dec 24;64(27):1074

[Anaerobic parasproctitis] Dolidze NG, et al. **Vestn Khir** 1984 Mar;132(3):74–7 (Eng. Abstr.) **(Rus)**

THERAPY

Managing odontogenic infections. Johnson WT. **Am Fam Physician** 1984 May;29(5):167–72

Comparative anti–Pseudomonas aeruginosa activity of chemically modified and native immunoglobulin G (human), and potentiation of antibiotic protection against Pseudomonas aeruginosa and group B Streptococcus in vivo. Collins MS, et al. **Am J Med** 1984 Mar 30; 76(3A):155–60

Intravenous immunoglobulin in neonatal group B streptococcal disease. Pharmacokinetic and safety studies in monkeys and humans. Fischer GW, et al. **Am J Med** 1984 Mar 30;76(3A):117–23

Evolution and resolution of intracranial bacterial (mycotic) aneurysms. Morawetz RB, et al. **Neurosurgery** 1984 Jul; 15(1):43–9

Common bacterial infections of the skin. Becker LE, et al. **Primary Care** 1983 Sep;10(3):397–409

[Liver abscess in a newborn infant. Cure following percutaneous puncture under echographic control] Montoya F, et al. **Pediatrie** 1983 Dec;38(8):547–51 (Eng. Abstr.) **(Fre)**

[Chronic parotitis in the child] Devars F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):57–8 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Late-onset group B streptococcal disease after peripartum ampicillin prophylaxis [letter] Aucoin PJ, et al. **Am J Dis Child** 1984 Aug;138(8):795

The role of the vaginal colonization of the medical and paramedical staff in the nosocomial transmission of group–B streptococcus. Concia E, et al. **Clin Exp Obstet Gynecol** 1984;11(3):90–5

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early–onset disease. III. Interruption of mother–to–infant transmission. Boyer KM, et al. **J Infect Dis** 1983 Nov;148(5):810–6

An epidemic of group A, type 4 streptococcal carriers among school children and their desk location at school. Fukuda K. **J Sch Health** 1983 Oct;53(8):487–90

Neonatal meningitis caused by Streptococcus mitis [letter] Hellwege HH, et al. **Lancet** 1984 Mar 31;1(8379):743–4

[Balanoposthitis caused by Streptococcus pyogenes following sexual intercourse] Füzi M, et al. **Orv Hetil** 1984 Jan 22; 125(4):217–9 (Eng. Abstr.) **(Hun)**

VETERINARY

Excretion of [3H]prednisolone in clinically normal and experimentally infected bovine udders. Geleta JN, et al. **Am J Vet Res** 1984 Aug;45(8):1576–81

Streptococcus uberis udder infection—a major barrier to reducing mastitis incidence. Bramley AJ. **Br Vet J** 1984 Jul–Aug;140(4):328–35

The susceptibility of bovine udder quarters colonized with Corynebacterium bovis to experimental infection with Staphylococcus aureus or Streptococcus agalactiae. Brooks BW, et al. **Can J Comp Med** 1984 Apr;48(2):146–50

Streptococcus suis type 2 in British pig herds. Heard T. **In Pract** 1984 May;6(3):69–71

Chyloabdomen and ultrasonographic detection of an intra–abdominal abscess in a foal. Hanselaer JR, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1465–7

Canine neonatal deaths associated with group B streptococcal septicemia. Kornblatt AN, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):700–1

Unilateral nephrectomy for treatment of a renal abscess in a foal. Trotter GW, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1392–4

Use of deflector shields to reduce intramammary infection by preventing impacts on the teat ends of cows during machine milking. Griffin TK, et al. **J Dairy Res** 1983 Nov; 50(4):397–404

Cell content of goat milk: California mastitis test, Coulter counter , and fossomatic for predicting half infection. Poutrel B, et al. **J Dairy Sci** 1983 Dec;66(12):2575–9

A non–hemolytic, group B Streptococcus infection of cultured bullfrogs, Rana catesbeiana, in Brazil. Amborski RL, et al. **J Wildl Dis** 1983 Jul;19(3):180–4

Pneumatocele in a pig–tailed macaque (Macaca nemestrina). Gillett CS, et al. **Lab Anim Sci** 1984 Feb;34(1):91–3

Streptococcal and staphylococcal mastitis. McDonald JS. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):269–85

Use of a conductivity meter for the detection of subclinical mastitis. Chamings RJ, et al. **Vet Rec** 1984 Mar 10; 114(10):243–5

Further studies on the subclinical carrier state of Streptococcus suis type 2 in pigs. Clifton–Hadley FA, et al. **Vet Rec** 1984 May 26;114(21):513–8

Mastitis in a large, zero–grazed dairy herd. Faull WB, et al. **Vet Rec** 1983 Oct 29;113(18):415–20

Streptococcus suis type II infection in a raccoon dog (Nyctereutes procyonoides) family Canidae. Keymer IF, et al. **Vet Rec** 1983 Dec 24–31;113(26–27):624

Valvular endocarditis associated with Streptococcus suis type 2 [letter] Lamont MH, et al. **Vet Rec** 1984 Jul 7;115(1):22

Infectious (septic) arthritis of the distal intertarsal and tarsometatarsal joint in cattle. Merkens HW, et al. **Vet Rec** 1984 Mar 3;114(9):212–3

[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal–staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**

[Differentiation and sensitivity testing of esculin splitting Streptococci isolated from bovine udder infections] Schaeren W, et al. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):135–7 (Eng. Abstr.) **(Ger)**

[Lactose content of urine and milk of cattle with subclinical B–streptococcal mastitis] Sissoko S, et al. **DTW** 1984 Apr 9;91(4):151–4 (Eng. Abstr.) **(Ger)**

STREPTOCOCCUS

ANALYSIS

Isolation and preliminary characterization of Streptococcus cremoris (strain 202) bacteriocin. Zajdel JK, et al. **Acta Microbiol Pol** 1983;32(2):119–29

Purification of proteins similar to HPr and enzyme I from the oral bacterium Streptococcus salivarius. Biochemical and immunochemical properties. Vadeboncoeur C, et al. **Can J Microbiol** 1983 Dec;29(12):1694–705

Structure of a water–insoluble D–glucan isolated from a streptococcal organism. Shibata S, et al. **Carbohydr Res** 1983 Aug 16;120:77–84

Electron microscopic localization of receptors for aggregated beta 2–microglobulin on the surface of beta–hemolytic streptococci. Wagner M, et al. **Infect Immun** 1983 Oct; 42(1):326–32

Isolation and characterization of soluble peptidoglycan from several strains of Streptococcus faecium. Barrett JF, et al. **J Bacteriol** 1984 Aug;159(2):511–9

DNA base composition, DNA–DNA homology and long–chain fatty acid studies on streptococcus thermophilus and Streptococcus salivarius. Farrow JA, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):357–62

The role of lipoteichoic acids on the adherence of Streptococcus equi to epithelial cells. Srivastava SK, et al. **Vet Microbiol** 1983 Oct;8(5):485–92

CLASSIFICATION

Grouping of haemolytic streptococci by monoclonal antibodies: determinant specificity, cross–reactivity and affinity. Herbst H, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):349–71

Clinical evaluation of the improved streptex method for grouping streptococci. Bixler–Forell E, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):113–8

Serogrouping of clinical isolates of beta haemolytic streptococci–comparison of two methods. Kothadia SN, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):59–64

The development by the Centers for Disease Control of a specification for streptococcal serogrouping kits and its application to Streptex and to the Phadebact Streptococcus Test. Evins GM, et al. **J Biol Stand** 1983 Oct;11(4):333–9

Comparative evaluation of the API 20S system and the automicrobic system gram–positive identification card for species identification of streptococci. Appelbaum PC, et al. **J Clin Microbiol** 1984 Feb;19(2):164–8

Evaluation of the rapid strep system for species identification of streptococci. Appelbaum PC, et al. **J Clin Microbiol** 1984 May;19(5):588–91

Rapid identification of enterococci. Bosley GS, et al. **J Clin Microbiol** 1983 Nov;18(5):1275–7

Mutanolysin enhancement of serogrouping of single colonies of streptococci. Calandra GB, et al. **J Clin Microbiol** 1982 Jan;15(1):184–6

Evaluation of the API 20 Strep system for species identification of streptococci isolated from bovine mastitis. Poutrel B, et al. **J Clin Microbiol** 1984 Feb;19(2):213–4

Use of the Rapid STREP system for identification of viridans streptococcal species. Ruoff KL, et al. **J Clin Microbiol** 1983 Nov;18(5):1138–40

Identification of group C streptococcal antigen extracts with lectin–bound polystyrene particles. Slifkin M, et al. **J Clin Microbiol** 1984 Jan;19(1):83–4

Neuraminidase activity: a biochemical marker to distinguish Streptococcus mitis from Streptococcus sanguis. Murray PA, et al. **J Dent Res** 1984 Feb;63(2):111–3

Relatedness and classification of Streptococcus mutans and 'mutans–like' streptococci. Schleifer KH, et al. **J Dent Res** 1984 Aug;63(8):1047–50

Streptococcus garvieae sp. nov. and Streptococcus plantarum sp. nov. Collins MD, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3427–31

Taxonomic studies on some group D streptococci. Farrow JA, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1423–32

Group G streptococci [editorial] **Lancet** 1984 Jan 21; 1(8369):144

Beta haemolytic streptococci: single colony grouping by a rapid, simplified coagglutination technique. Dabbs DJ, et al. **Med Lab Sci** 1984 Jan;41(1):52–4

[Differentiation and sensitivity testing of esculin splitting Streptococci isolated from bovine udder infections] Schaeren W, et al. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):135–7 (Eng. Abstr.) **(Ger)**

[Comparison of different methods for the identification of groups of streptococci] Ceddia T, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):995–9 (Eng. Abstr.) **(Ita)**

[Studies on clinical isolates of beta–hemolytic streptococci—serological grouping and pathogenicity] Sawae Y, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):231–9 (Eng. Abstr.) **(Jpn)**

[Importance of classifying beta hemolytic Streptococci and comparison of various tests used for the classification] Ayhan Z, et al. **Mikrobiyol Bul** 1984 Apr;18(2):81–9 (Eng. Abstr.) **(Tur)**

CYTOLOGY

Morphological aberrations of nutritionally deficient streptococci: association with pyridoxal (vitamin B6) concentration and potential role in antibiotic resistance. Clark RB, et al. **Infect Immun** 1983 Oct;42(1):414–7

A conceptual model for the co–existence of Streptococcus spp. and Actinomyces spp. in dental plaque. van der Hoeven JS, et al. **J Dent Res** 1984 Mar;63(3):389–92

DRUG EFFECTS

In vitro susceptibility of group G streptococci with regard to tolerance [letter] Rolston KV, et al. **Am J Med** 1984 Jul;77(1):A72, A77

Broad host range of streptococcal macrolide resistance plasmids. Buu–Hoï A, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):289–91

Interaction of cefotaxime and aminoglycosides against enterococci in vitro. Elliott AM, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):847–50

Resistance to penicillin–streptomycin synergy among clinical isolates of viridans streptococci. Farber BF, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):871–5

Multiply resistant viridans streptococci: susceptibility to beta–lactam antibiotics and comparison of penicillin–binding protein patterns. Farber BF, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):702–5

Copper–inhibition of the growth of oral streptococci and actinomyces. Duguid R. **Biomaterials** 1983 Jul;4(3):225–7

In vitro susceptibility of Streptococcus bovis to six antibiotics. Klein RS, et al. **Clin Ther** 1984;6(4):518–23

Comparative study of the efficiency of some additives in protecting lactic acid bacteria against freeze–drying. Font de Valdez G, et al. **Cryobiology** 1983 Oct;20(5):560–6

Activity of cefotaxime against enterococci. Moellering RC Jr, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3 Suppl):85S–90S

Effect of media and blood on the antimicrobial activity of cephalosporins on serogroup D streptococci: a review. Thornsberry C, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3 Suppl):75S–84S

A modified method for testing the antimicrobial susceptibility of anaerobic gram–positive cocci [letter] Kaufman A, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):217–9

Endocarditis due to a penicillin–tolerant streptococcus bovis: microbiological findings and echocardiographic follow–up. Mittermayer H, et al. **Infection** 1983 Nov–Dec;11(6):302–6

Comparative activity of imipenem (N–formimidoyl thienamycin) on enterococci and its interactions with aminoglycosides. Aznar J, et al. **J Antimicrob Chemother** 1984 Feb;13(2):129–32

The killing effects of cefathiamidine or ampicillin alone and in combination with gentamicin against enterococci. Chen HY, et al. **J Antimicrob Chemother** 1983 Jul;12(1):19–26

Impact of phenoxymethylpenicillin, erythromycin, clindamycin and doxycycline on Streptococcus salivarius in the oropharynx. Heimdahl A, et al. **J Antimicrob Chemother** 1984 May;13(5):505–9

In–vitro evaluation of miokamycin: bactericidal activity against streptococci. Lacey RW, et al. **J Antimicrob Chemother** 1984 Jan;13(1):5–13

Antimicrobial tolerance in group C and group G streptococci. Rolston KV, et al. **J Antimicrob Chemother** 1984 Apr;13(4):389–92

Detergent–resistant Streptococcus faecium derivatives that display conditional penicillin lysis. Pucci MJ, et al. **J Bacteriol** 1984 Aug;159(2):805–7

Dodecylglycerol. A new type of antibacterial agent which stimulates autolysin activity in Streptococcus faecium ATCC 9790. Ved HS, et al. **J Biol Chem** 1984 Jul 10; 259(13):8115–21

Detection of penicillin tolerance in streptococci. Slater GJ, et al. **J Clin Pathol** 1983 Dec;36(12):1353–6

Hare–grouping and antibiotic sensitivity of anaerobic streptococci isolated from genital tract. Gupta S, et al.

J Commun Dis 1983 Jun;15(2):80–5

Inhibition of mastitic bacteria by bovine milk apo-lactoferrin evaluated by in vitro microassay of bacterial growth. Nonnecke BJ, et al. **J Dairy Sci** 1984 Mar;67(3):606–13

Antibiotic selection pressure resulting in multiple antibiotic resistance and localization of resistance determinants to conjugative plasmids in streptococci. Christie PJ, et al. **J Infect Dis** 1984 Jan;149(1):74–82

Use of penicillin-gradient and replicate plates for the demonstration of tolerance to penicillin in streptococci. Kim KS, et al. **J Infect Dis** 1983 Sep;148(3):488–91

In vitro activity of netilmicin. Hussain Qadri SM, et al. **J Okla State Med Assoc** 1984 Jul;77(7):198–201

Antibiotic sensitivity pattern in bacterial endocarditis. Haq G, et al. **JPMA** 1983 Jun;33(6):129–32

Effect of aflatoxin B–1 on the proteolytic activity of some lactic–acid bacteria. Mohran MA, et al. **Mycopathologia** 1984 May 30;86(2):99–101

Antibiotic sensitivity of Haemophilus influenzae, Streptococcus pneumoniae, Streptococcus pyogenes and Branhamella catarrhalis isolated from upper respiratory tract infections in Sweden. Kallings I, et al. **Scand J Infect Dis [Suppl]** 1983;39:100–5

The effect of dietary zinc bacitracin on the resistance status of intestinal Escherichia coli and enterococci from broiler chickens. Walton JR. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):1–8

[D–streptococcus (enterococcus and non–enterococcus) and cephalosporin sensitivity] Simon C. **Med Welt** 1983 Nov 25;34(47):1353–5 **(Ger)**

[Epidemiology of resistance to mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):83–90 (Eng. Abstr.) **(Ger)**

[Resistance patterns of bovine mastitis pathogens in Switzerland] Schifferli D, et al. **Schweiz Arch Tierheilkd** 1984 Mar;126(3):121–7 (Eng. Abstr.) **(Ger)**

[Identification and sensitivity of Streptococci to antibiotics] Monaci E. **Quad Sclavo Diagn** 1983 Jun;19(2):223–9 (Eng. Abstr.) **(Ita)**

[An epidemiological survey of group A, B, C and G hemolytic streptococci isolated from elementary school children. Part II. Susceptibility to antibiotics] Nakajima K, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1083–90 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Intracellular form of streptococcal proteinase: a clue to a novel mechanism of secretion. Lo SS, et al. **Anal Biochem** 1984 Jan;136(1):89–92

Rutin–induced beta–glucosidase activity in Streptococcus faecium VGH–1 and Streptococcus sp. strain FRP–17 isolated from human feces: formation of the mutagen, quercetin, from rutin. MacDonald IA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):350–5

In vivo and in vitro incorporation of endogenous nucleotides by the energy–transducing ATPase of Streptococcus faecalis. Zlotnick GW, et al. **Arch Biochem Biophys** 1984 May 1;230(2):517–24

Inhibition by acarbose, nojirimycin and 1–deoxynojirimycin of glucosyltransferase produced by oral streptococci. Newbrun E, et al. **Arch Oral Biol** 1983;28(6):531–6

Activation of rutin by human oral bacterial isolates to the carcinogen–mutagen quercetin. Parisis DM, et al. **Arch Oral Biol** 1983;28(7):583–90

Purification and characterization of an intracellular N–terminal exopeptidase from Streptococcus durans. Machuga EJ. **Biochim Biophys Acta** 1984 Jul 30; 800(2):127–34

Structure and properties of the phosphoenolpyruvate: glucose phosphotransferase system of oral streptococci. Vadeboncoeur C. **Can J Microbiol** 1984 Apr;30(4):495–502

Calcium dependence of the cell–associated fructosyltransferase of Streptococcus salivarius. Jacques NA. **Carbohydr Res** 1984 Apr 15;127(2):349–55

Extracellular neuraminidase production of streptococci associated with acute nephritis. Mosquera J, et al. **Clin Nephrol** 1984 Jan;21(1):21–8 (93 ref.)

Isolation and properties of levanase from Streptococcus salivarius KTA–19. Takahashi N, et al. **Infect Immun** 1983 Oct;42(1):231–6

A note on the pectinolytic enzyme of Streptococcus bovis. Wojciechowicz M, et al. **J Appl Bacteriol** 1984 Jun; 56(3):515–8

Hydrolysis of soluble, linear, un–cross–linked peptidoglycans by endogenous bacterial N–acetylmuramoylhydrolases. Barrett JF, et al. **J Bacteriol** 1984 Aug;159(2):520–6

Purification and characterization of two novel arginine aminopeptidases from Streptococcus mitis ATCC 9811. Hiraoka BY, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1201–8

The mixed disulfide in the zymogen of streptococcal proteinase. Characterization and implication for its biosynthesis. Lo SS, et al. **J Biol Chem** 1984 Sep 10; 259(17):11041–5

The involvement of the proteinase of Streptococcus faecium ATCC 9790 in the stimulation of its autolysin activity by dodecylglycerol. Ved HS, et al. **J Biol Chem** 1984 Jul 10; 259(13):8122–4

Decreased production of RNA–streptolysin S in streptococci devoid of extracellular RNase activity. Taketo A, et al. **Z Naturforsch [C]** 1983 Jul–Aug;38(7–8):635–9

Hyaluronidase production by groups A, B, C, and G streptococci: a statistical analysis. Benchetrit LC, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):27–37

GENETICS

Microscale method for rapid isolation of covalently closed circular plasmid DNA from group N streptococci. Orberg PK, et al. **Appl Environ Microbiol** 1984 Apr;47(4):677–80

Novel shuttle plasmid vehicles for Escherichia–Streptococcus transgeneric cloning. Macrina FL, et al. **Gene** 1983 Nov;25(1):145–50

Characterization of a pH–dependent chromophore from nutritionally variant streptococci. van de Rijn I, et al. **Infect Immun** 1984 Jan;43(1):28–31

Conjugal transfer and characterization of bacteriocin plasmids in group N (lactic acid) streptococci. Neve H, et al. **J Bacteriol** 1984 Mar;157(3):833–8

Introduction of a Streptococcus cremoris plasmid in Bacillus subtilis. Vosman B, et al. **J Bacteriol** 1983 Nov;156(2):920–1

Possible heterogeneity of Streptococcus milleri determined by DNA mol % (guanine plus cytosine) measurement and physiological characterization. Drucker DB, et al. **Microbios** 1983;38(153–154):151–7

Unusual structural features of the 5S ribosomal RNA from Streptococcus cremoris. Neimark H, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7569–77

Streptokinase: cloning, expression, and excretion by Escherichia coli. Malke H, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3557–61

Double or triple sets of replication functions as inverted and direct repeats on in vitro reconstructed streptococcal MLS resistance plasmids. Behnke D, et al. **Z Allg Mikrobiol** 1983; 23(9):539–47

GROWTH & DEVELOPMENT

Growth of oral Streptococcus species and Actinomyces viscosus in human saliva. de Jong MH, et al. **Appl Environ Microbiol** 1984 May;47(5):901–4

Effect of pyridoxal on growth of nutritionally variant streptococci and other bacteria on sheep blood agar. Reimer LG, et al. **Diagn Microbiol Infect Dis** 1983 Dec; 1(4):273–5

A note on the effect of combined ultrasonic and heat treatments on the survival of thermoduric streptococci. Ordoñez JA, et al. **J Appl Bacteriol** 1984 Feb;56(1):175–7

Tetrazolium reduction as an aid for streptococcal growth detection with agar dilution susceptibility testing. Coudron PE, et al. **J Clin Microbiol** 1983 Oct;18(4):765–9

Stimulation of Streptococcus thermophilus growth in mastitic milk. Marshall VM, et al. **J Dairy Res** 1984 Feb;51(1):17–22

Immunochemical study of nutritionally variant streptococci. van de Rijn I, et al. **J Immunol** 1984 Oct;133(4):2220–5

Bacterial interference in streptococcal tonsillitis. Holm SE, et al. **Scand J Infect Dis [Suppl]** 1983;39:73–8

The need for control of throat streptococcal cultures in general practice. Larsson P, et al. **Scand J Infect Dis [Suppl]** 1983;39:79–82

Interference of alpha–hemolytic streptococci isolated from tonsillar surface on beta–hemolytic streptococci (Streptococcus pyogenes)—a methodological study. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):459–68

Hydrogen peroxide–mediated antagonism against serratia marcescens by Streptococcus mitis. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):326–32

IMMUNOLOGY

Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15

Polyclonal lymphocyte activators: adjuvant activity of a crude extract of Streptococcus faecium. Iannello D, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):9–15

Reaction of human colostral and early milk antibodies with oral streptococci. Eggert FM, et al. **Infect Immun** 1984 Jun;44(3):660–4

Effect of saliva on coaggregation of oral Actinomyces and Streptococcus species. Kolenbrander PE, et al. **Infect Immun** 1984 May;44(2):228–33

Exopolysaccharide production by viridans streptococci in experimental endocarditis. Mills J, et al. **Infect Immun** 1984 Jan;43(1):359–67

Activation of human complement by the pneumococcal toxin pneumolysin. Paton JC, et al. **Infect Immun** 1984 Mar; 43(3):1085–7

Early detection of streptococci in swabs by latex agglutination before culture. Petts DN. **J Clin Microbiol** 1984 Mar;19(3):432–3

A rabbit helper T cell clone reactive against group–specific streptococcal carbohydrate. Jackson S, et al. **J Immunol** 1984 Sep;133(3):1553–7

The use of streptococcal antigens to probe the mechanisms of immunity. Braun DG. **Microbiol Immunol** 1983; 27(10):823–36

Streptococcal receptors for human immunoglobulins. Savoia D, et al. **Microbiologica** 1983 Oct;6(4):327–37

Purification and properties of a receptor for the Fc–component of immunoglobulin G from Streptococcus dysgalactiae. Müller HP, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):352–60

[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal–staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**

[Behçet's disease and streptococcal infection. Measurement of Streptococcus derivative antigen] Namba K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1112–20 (Eng. Abstr.) **(Jpn)**

[Relationship between phagocytosis and sensitization to bacterial allergens in patients with chronic bronchitis] Ermakova GL, et al. **Lab Delo** 1983;(9):50–2 (Eng. Abstr.) **(Rus)**

[Effect of streptococcal products in the induction of antibodies against cardiac sarcolemma] Martínez RD, et al. **Allergol Immunopathol (Madr)** 1983 Sep–Oct;11(5):373–8 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Distribution and incidence of viridans streptococcal species in routine clinical specimens. Ruoff KL, et al. **Am J Clin Pathol** 1983 Dec;80(6):854–8

Enteric virus and indicator bacteria levels in a water treatment system modified to reduce trihalomethane production. Stetler RE, et al. **Appl Environ Microbiol** 1984 Feb;47(2):319–24

Application of inhibitor typing in a study of the transmission and retention in the human mouth of the bacterium Streptococcus salivarius. Tagg JR, et al. **Arch Oral Biol** 1983;28(10):911–5

Isolation of Streptococcus zooepidemicus from a bald eagle (Haliaeetus leucocephalus). Locke LN, et al. **Avian Dis** 1984 Apr–Jun;28(2):514–6

Streptococcus uberis udder infection—a major barrier to reducing mastitis incidence. Bramley AJ. **Br Vet J** 1984 Jul–Aug;140(4):328–35

A note on the identity and properties of the spoilage microflora of chub–packed luncheon meat stored at ambient temperature. Bell RG, et al. **Can J Microbiol** 1983 Sep;29(9):1220–3

Identification of three new serotypes of group E streptococci isolated from swine. Wessman GE, et al. **Cornell Vet** 1983 Oct;73(4):307–13

Differentiation in throat cultures of group C and G streptococci from Streptococcus milleri with identical antigens. Bucher C, et al. **Eur J Clin Microbiol** 1984 Feb; 3(1):44–5

A note on a modified membrane–Bovis agar for the enumeration of Streptococcus bovis by membrane filtration. Oragui JI, et al. **J Appl Bacteriol** 1984 Feb; 56(1):179–81

Colistin–oxolinic acid–blood agar: a new selective medium for streptococci. Petts DN. **J Clin Microbiol** 1984 Jan; 19(1):4–7

Effect of volume of blood cultured on detection of Streptococcus viridans bacteraemia. Shanson DC, et al. **J Clin Pathol** 1984 May;37(5):568–70

Clinical comparison of glucose broth with nutrient broth blood cultures for the detection of 'Streptococcus viridans' bacteraemia. Shanson DC, et al. **J Med Microbiol** 1983 Nov;16(4):497–9

Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6

A study on heifer mastitis in Japan and its causative microorganisms. Seno N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):82–91

Further studies on the subclinical carrier state of Streptococcus suis type 2 in pigs. Clifton–Hadley FA, et al. **Vet Rec** 1984 May 26;114(21):513–8

[Streptococci and staphylococci in raw cow's milk on the market] Mladenov M, et al. **Vet Med Nauki** 1984;21(2):91–5 (Eng. Abstr.) **(Bul)**

[Pediatric melanodontia: bacteriological study and therapeutic test] Boué D, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):305–17 (Eng. Abstr.) **(Fre)**

[Incidence of Chlamydia trachomatis, Ureaplasma urealyticum, Mycoplasma species, Streptococci of the Lancefield group B and Candida species in newborn infants during the first week of life] Martius J, et al. **Z Geburtshife Perinatol** 1983 Sep–Oct;187(5):235–8 (Eng. Abstr.) **(Ger)**

[Bacteriological findings in a group of students from designated health sector] Compagnoni G, et al. **Arch Sci Med (Torino)** 1983 Jul–Sep;140(3):335–9 (Eng. Abstr.) **(Ita)**

[An epidemiological survey of group A, B, C and G hemolytic streptococci isolated from elementary school–children. Part 1. Detection rate of streptococci] Nakajima K, et al. **Kansenshogaku Zasshi** 1983 Dec; 57(12):1075–82 (Eng. Abstr.) **(Jpn)**

[Identification of streptococci isolated from clinical specimens by their biochemical characteristics—comparison between the API STREP system and conventional methods] Yamagishi T, et al. **Rinsho Byori** 1983 Sep;31(9):1025–8 **(Jpn)**

[Group G streptococcal bacteremia in a heroin addict (letter)] Martínez Luengas F, et al. **Med Clin (Barc)** 1984 Jun 9; 83(2):86 **(Spa)**

METABOLISM

Use of thermophilic lactic starters in the dairy industry. Auclair J, et al. **Antonie Van Leeuwenhoek** 1983 Sep; 49(3):313–26 (41 ref.)

Energy transduction and solute transport in streptococci. Konings WN, et al. **Antonie Van Leeuwenhoek** 1983 Sep; 49(3):247–57 (45 ref.)

The binding of human salivary alpha-amylase by oral strains of streptococcal bacteria. Douglas CW. **Arch Oral Biol** 1983;28(7):567–73

Non-protein-bound iron within bacterial cells and the action of bleomycin. Gutteridge JM, et al. **Biochem Int** 1984 Jan; 8(1):89–94

Nutritional factors affecting the synthesis of an antiphagocytic factor by group E streptococci. Wessman GE. **Can J Microbiol** 1984 Mar;30(3):406–11

Improving the production of monensin by Streptomyces cinnamonensis. Královcová E, et al. **Folia Microbiol (Praha)** 1984;29(1):35–42

Peptide utilization by oral streptococci. Andersson C, et al. **Infect Immun** 1984 Feb;43(2):555–60

Binding sites for streptococci and staphylococci in fibronectin. Kuusela P, et al. **Infect Immun** 1984 Aug; 45(2):433–6

Adherence of oral streptococci: evidence for nonspecific adsorption to saliva-coated hydroxylapatite surfaces. Staat RH, et al. **Infect Immun** 1984 Jun;44(3):653–9

Microbial conversion of grisorixin, a monovalent cation ionophorous antibiotic. Cuer A, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):20–4

Regulation of glucose metabolism in oral streptococci through independent pathways of glucose 6-phosphate and glucose 1-phosphate formation. Keevil CW, et al. **J Bacteriol** 1984 Feb;157(2):560–7

Streptococcal hyaluronic acid: proposed mechanisms of degradation and loss of synthesis during stationary phase. van de Rijn I. **J Bacteriol** 1983 Dec;156(3):1059–65

Identification of distinct Fc-receptor molecules on streptococci and staphylococci. Reis KJ, et al. **J Clin Lab Immunol** 1984 Feb;13(2):75–80

Effect of viable starter culture bacteria in yogurt on lactose utilization in humans. Gilliland SE, et al. **J Dairy Sci** 1984 Jan;67(1):1–6

The conditioning role of saliva in streptococcal attachment to hydroxyapatite surfaces. Abbott A, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):809–16

Membrane perturbation by cerulenin modulates glucosyltransferase secretion and acetate uptake by Streptococcus salivarius. Jacques NA. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3293–302

Purification and some properties of streptococcal protein G, a novel IgG-binding reagent. Björck L, et al. **J Immunol** 1984 Aug;133(2):969–74

Streptococcal Fc receptors. I. Isolation and partial characterization of the receptor from a group C streptococcus. Reis KJ, et al. **J Immunol** 1984 Jun; 132(6):3091–7

Streptococcal Fc receptors. II. Comparison of the reactivity of a receptor from a group C streptococcus with staphylococcal protein A. Reis KJ, et al. **J Immunol** 1984 Jun;132(6):3098–102

Inhibitor production by group-G streptococci of human and of animal origin. Tagg JR, et al. **J Med Microbiol** 1983 Nov;16(4):409–15

Characterization of oral streptococci that activate the dietary glycoside rutin to a mutagen. Shillitoe EJ, et al. **JNCI** 1984 Sep;73(3):673–8

Variations in the binding of mammalian fibrinogens to streptococci of different animal origin. Lämmler C, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):191–6

Inhibition of Neisseria gonorrhoeae growth due to hydrogen peroxide production by urogenital streptococci. Dubreuil D, et al. **Microbios** 1984;39(157–158):159–67

Polysaccharide storage in different streptococci. McFarland CR, et al. **Microbios** 1984;40(159):7–14

[Effect of physical parameters on the production of streptococcal extracellular proteins in cultures with stabilized pH. II. Effect of temperature on the formation of streptococcal extracellular products] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):361–9 (Eng. Abstr.) **(Ger)**

[Hydrolysis of streptococcal polysaccharides by micromycete dextranases] Zinchenko ON, et al. **Prikl Biokhim Mikrobiol** 1984 May-Jun;20(3):369–72 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Streptococcal L-forms isolated from Drosophila paulistorum semispecies cause sterility in male progeny. Somerson NL, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):282–5

Streptococcal toxins. Wannamaker LW. **Rev Infect Dis** 1983 Sep-Oct;5 Suppl 4:S723–32 (84 ref.)

PHYSIOLOGY

Specificity of cellular interaction in Streptococcus mitis ATCC 903. Inhibition of aggregation by carbohydrates. Abaas S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):419–24

Ion interactions in the aggregation of Streptococcus mitis. Abaas S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):311–6

Aggregation of enzymatically modified Streptococcus mitis indicating involvement of lectin-ligand type interaction. Abaas S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):317–24

The effect of growth rate on the adhesion of the oral bacteria Streptococcus mutans and Streptococcus milleri. Rogers AH, et al. **Arch Oral Biol** 1984;29(2):147–50

Inhibition of lactose-reversible adherence between Actinomyces viscosus and oral streptococci by salivary components. Komiyama K, et al. **Caries Res** 1984; 18(3):193–200

Chemical modification of Streptococcus flagellar motors. Conley MP, et al. **J Bacteriol** 1984 Jun;158(3):832–43

Compositions and characteristics of strains of Streptococcus bovis. Russell JB, et al. **J Dairy Sci** 1984 Jul;67(7):1525–31

The interaction of bacterial peptidoglycan with macrophages in chronic inflammation. Hunter N. **J Dent Res** 1984 Mar; 63(3):427–30

Comparative studies on surface hydrophobicity of streptococcal strains of groups A, B, C, D and G. Wadström T, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):657–64

The effect of feeding Streptococcus faecium upon Escherichia coli induced diarrhea in gnotobiotic pigs. Underdahl NR. **Prog Food Nutr Sci** 1983;7(3–4):5–12

Ultrastructural visualization of the adherence of Streptococcus mutans and Streptococcus salivarius to hydroxyapatite. Meurman JH, et al. **Scand J Dent Res** 1983 Dec;91(6):448–52

The role of lipoteichoic acids on the adherence of Streptococcus equi to epithelial cells. Srivastava SK, et al. **Vet Microbiol** 1983 Oct;8(5):485–92

Adherence of Streptococcus equi on tongue, cheek and nasal epithelial cells of ponies. Srivastava SK, et al. **Vet Microbiol** 1983 Oct;8(5):493–504

Factors affecting the survival of Streptococcus suis type 2. Clifton-Hadley FA, et al. **Vet Rec** 1984 Jun 16; 114(24):584–6

ULTRASTRUCTURE

Streptococcus salivarius strains carry either fibrils or fimbriae on the cell surface. Handley PS, et al. **J Bacteriol** 1984 Jan;157(1):64–72

STREPTOCOCCUS AGALACTIAE

Effect of continuous heparin infusion on bactericidal activity for group B streptococci in neonatal sera. Edwards MS, et al. **J Pediatr** 1983 Nov;103(5):787–90

Diminished bactericidal capacity for group B Streptococcus in neutrophils from 'stressed' and healthy neonates. Stroobant J, et al. **Pediatr Res** 1984 Jul;18(7):634–7

ANALYSIS

Teichoic acids of Streptococcus agalactiae: chemistry, cytotoxicity, and effect on bacterial adherence to human cells in tissue culture. Goldschmidt JC Jr, et al. **Infect Immun** 1984 Feb;43(2):670–7

Biochemical markers of the penicillin-induced L phase of a group B, type III Streptococcus sp. Flores AE, et al. **J Clin Microbiol** 1983 Oct;18(4):961–7

CLASSIFICATION

Ibc proteins as serotype markers of group B streptococci. Bevanger L. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug;91(4):231–4

Impaired opsonophagocytosis of serotypes Ib and II of group B streptococci as compared with serotypes Ia and III: role of the alternative pathway of complement in opsonisation of serotype III of group B streptococci. Hindocha P, et al. **J Clin Pathol** 1984 Jul;37(7):790–5

Interaction of group B streptococcal type-specific polysaccharides with wheat germ agglutinin and other lectins. Gray BM, et al. **J Immunol Methods** 1984 Aug 3;72(1):269–77

Serotyping and bacteriophage typing of group B streptococci. Haug RH, et al. **NIPH Ann** 1983 Dec; 6(2):119–23

DRUG EFFECTS

Cystine antagonism of the antibacterial action of lactoperoxidase-thiocyanate-hydrogen peroxide on Streptococcus agalactiae. Mickelson MN, et al. **Appl Environ Microbiol** 1984 Feb;47(2):338–42

Chlorhexidine for prevention of neonatal colonization with group B streptococci. I. In vitro effect of chlorhexidine on group B streptococci. Christensen KK, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):157–65

Penicillin tolerance in group B streptococci [letter] Broadbent A. **J Antimicrob Chemother** 1984 Apr; 13(4):396–7

Fractionation of a whey growth factor for Streptococcus agalactiae into two active components containing proteins. Brown RW, et al. **J Dairy Sci** 1983 Nov;66(11):2303–11

Use of penicillin-gradient and replicate plates for the demonstration of tolerance to penicillin in streptococci. Kim KS, et al. **J Infect Dis** 1983 Sep;148(3):488–91

In vitro activity of penicillin and rifampin against group B streptococci. Maduri-Traczewski M, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S586–92

[The sensitivity of group B streptococci (Streptococcus agalactiae) to antibacterial substances] Jedličková Z, et al. **Cesk Pediatr** 1984 May;39(5):297–9 (Eng. Abstr.) **(Cze)**

[Antibiotic sensitivity of Streptococcus group B] Borderon JC, et al. **Pathol Biol (Paris)** 1984 Jan;32(1):35–9 (Eng. Abstr.) **(Fre)**

[Antibacterial activity of lamoxactam in combination with penicillin, ampicillin and amoxicillin against clinical strains of Enterococci, group B Streptococci and Listeria] Fosse T, et al. **Pathol Biol (Paris)** 1984 May;32(5):372–4 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

The influence of somatic cells of milk on the growth of staphylococci and streptococci in whey and serum. Bassalik-Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(4):389–95

Growth inhibition of staphylococci and streptococci in raw milk. Bassalik-Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(3):305–10

Growth of staphylococci and streptococci in raw milk. Bassalik-Chabielska L, et al. **Acta Microbiol Pol** 1983; 32(3):297–303

Inhibition of group B streptococci by amniotic fluid from patients with intra-amniotic infection and from control subjects. Blanco JD, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):247–50

Failure of inhibition of in vivo group B streptococcus growth in rhesus amniotic fluid. Hemming VG, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):230–1

The susceptibility of bovine udder quarters colonized with Corynebacterium bovis to experimental infection with Staphylococcus aureus or Streptococcus agalactiae. Brooks BW, et al. **Can J Comp Med** 1984 Apr;48(2):146–50

Chlorhexidine for prevention of neonatal colonization with group B streptococci. II. Chlorhexidine concentrations and recovery of group B streptococci following vaginal washing in pregnant women. Dykes AK, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):167–72

Fermenter growth of Streptococcus agalactiae and large-scale production of CAMP factor. Huser H, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1295–300

Rectal colonization by group B beta-hemolytic streptococci in a geriatric population. Kaplan EL, et al. **J Infect Dis** 1983 Dec;148(6):1120

Colonisation of the upper respiratory tract of mice with group B streptococci type III with reference to the R-protein. Kurl DN, et al. **J Med Microbiol** 1984 Jun; 17(3):347–51

IMMUNOLOGY

Correlation between serum antibody-levels against group B streptococci and gestational age in newborns. Christensen KK, et al. **Eur J Pediatr** 1984 Jun;142(2):86–8

Protective levels of human immunoglobulin G antibody to group B streptococcus type Ib. Boyer KM, et al. **Infect Immun** 1984 Sep;45(3):618–24

Class specificity of naturally acquired and vaccine-induced antibody to type III group B streptococcal capsular polysaccharide: determination with a radioimmunoprecipitin assay. Edwards MS, et al. **Infect Immun** 1984 May;44(2):257–61

Type-specific capsular antigen is associated with virulence in late-onset group B Streptococcal type III disease. Klegerman ME, et al. **Infect Immun** 1984 Apr;44(1):124–9

Isolation and characterization of type III group B streptococcal mutants defective in biosynthesis of the type-specific antigen. Yeung MK, et al. **Infect Immun** 1983 Oct;42(1):141–51

Group B streptococcal Ibc protein antigen: distribution of two determinants in wild-type strains of common serotypes. Johnson DR, et al. **J Clin Microbiol** 1984 Apr; 19(4):506–10

Rapid detection of group B streptococcal antigen by monoclonal antibody sandwich enzyme assay. Morrow DL, et al. **J Clin Microbiol** 1984 Apr;19(4):457–9

Clinical versus laboratory strains of Group B streptococci and human neutrophil chemiluminescence [letter] Kowolik MJ, et al. **J Clin Pathol** 1984 Feb;37(2):228

Fibronectin enhances the opsonic and protective activity of monoclonal and polyclonal antibody against group B streptococci. Hill HR, et al. **J Exp Med** 1984 Jun 1; 159(6):1618–28

Two unlinked genetic loci interact to control the human immune response to type III group B streptococcal antigen. Pandey JP, et al. **J Immunogenet** 1984 Apr;11(2):159–63

Estimation of the protective level of human IgG antibody to the type-specific polysaccharide of group B Streptococcus type Ia. Klegerman ME, et al. **J Infect Dis** 1983 Oct;148(4):648–55

Protective efficacy of hybridoma type-specific antibody against experimental infection with group-B Streptococcus. Shigeoka AO, et al. **J Infect Dis** 1984 Mar; 149(3):363–72

Absolute requirement for complement in monoclonal IgM antibody-mediated protection against experimental infection with type III group B streptococci. Shigeoka AO, et al. **J Infect Dis** 1984 Jul;150(1):63–70

Human IgG antibodies to carbohydrate and protein antigens

in mouse protection tests with group B streptococci. Christensen KK, et al. **Pediatr Res** 1984 May;18(5):478–82

[Stimulation of human and bovine lymphocytes by various Streptococcus species] Hahn G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):214–20 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Selective pigment medium for Streptococcus agalactiae. Albers AC, et al. **Am J Med Technol** 1983 Nov; 49(11):807–11

Evaluation of a rapid method for the detection of vaginal group B streptococci in women in labor. Reardon EP, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):575–8

Canine neonatal deaths associated with group B streptococcal septicemia. Kornblatt AN, et al. **J Am Vet Med Assoc** 1983 Sep 15;183(6):700–1

Granada medium for detection and identification of group B streptococci. De La Rosa M, et al. **J Clin Microbiol** 1983 Oct;18(4):779–85

Elimination of multiple reactions of the Phadebact Streptococcus coagglutination test. Jones DE, et al. **J Clin Microbiol** 1983 Sep;18(3):526–8

Group B streptococci: colonization of women in labour and neonatal acquisition in the western region of Saudi Arabia. Gosling PJ, et al. **J Hosp Infect** 1983 Sep;4(3):324

Rupture of fetal membranes and premature delivery associated with group B streptococci in urine of pregnant women. Møller M, et al. **Lancet** 1984 Jul 14;2(8394):69–70

A rapid hippurate hydrolysis test for the presumptive identification of group B streptococci. Mugg P. **Pathology** 1983 Jul;15(3):251–2

Isolation and characterization of group B streptococci from genito-urinary tracts in Japan. Yamane N, et al. **Tohoku J Exp Med** 1983 Nov;141(3):327–35

[Incidence of group B streptococci in women] Skalka B, et al. **Cesk Gynekol** 1983 Dec;48(10):726–30 (Eng. Abstr.) **(Cze)**

[Frequency of excretion of group B streptococci (Streptococcus agalactiae) in the milk during subclinical forms of mammary gland diseases in cows] Kubín V, et al. **Vet Med (Praha)** 1984 Mar;29(3):129–32 (Eng. Abstr.) **(Cze)**

[Follow-up study of beta-streptococcus on throat in healthy school children] Inazumi Y, et al. **Kansenshogaku Zasshi** 1983 Apr;57(4):318–32 (Eng. Abstr.) **(Jpn)**

[Choice of nutrient media for the laboratory diagnosis of Streptococcus group B] Igonina IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):21–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Role of cellular lipoteichoic acids in mediating adherence of serotype III strains of group B streptococci to human embryonic, fetal, and adult epithelial cells. Nealon TJ, et al. **Infect Immun** 1984 Feb;43(2):523–30

Guanidine extraction enhances the binding of human fibrinogen to group-B streptococci. Chhatwal GS, et al. **Med Microbiol Immunol (Berl)** 1984;173(1):19–27

Binding of human fibrinogen and its polypeptide chains to group B streptococci. Lämmler C, et al. **Med Microbiol Immunol (Berl)** 1983;172(3):149–53

Pigment production in human and bovine streptococcus agalactiae strains. Brglez I. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):533–8

PATHOGENICITY

Biosynthetic capacity for type-specific antigen synthesis determines the virulence of serotype III strains of group B streptococci. Yeung MK, et al. **Infect Immun** 1984 May; 44(2):217–21

Potentiation of virulence by group B streptococcal polysaccharides. Levy NJ, et al. **J Infect Dis** 1984 Jun; 149(6):851–60

Group B streptococci: extracellular neuraminidase production and virulence in mouse. Orefici G, et al. **Microbiologica** 1984 Jan;7(1):75–8

Studies of short-term pulmonary and peripheral vascular responses induced in oophorectomized sheep by the infusion of a group B streptococcal extract. Hemming VG, et al. **Pediatr Res** 1984 Mar;18(3):266–9

PHYSIOLOGY

Adherence of group B streptococci isolated from man and cattle to human and bovine epithelial cells. Kubín V, et al. **Folia Microbiol (Praha)** 1983;28(6):496–501

Interbacterial adherence between Actinomyces viscosus and strains of Streptococcus pyogenes, Streptococcus agalactiae, and Pseudomonas aeruginosa. Komiyama K, et al. **Infect Immun** 1984 Apr;44(1):86–90

ULTRASTRUCTURE

[Submicroscopic aspects of the adherence of group B streptococci to vaginal epithelial cells] Rýc M, et al. **Vet Med (Praha)** 1984 May;29(5):263–70 (Eng. Abstr.) **(Cze)**

[Effect of culture conditions on the surface hydrophobic properties and adherence of streptococci] Tylewska S. **Med Dosw Mikrobiol** 1983;35(3–4):175–81 (Eng. Abstr.) **(Pol)**

STREPTOCOCCUS FAECALIS

Clarifying nomenclature [letter] Westerman EL. **Am J Infect Control** 1983 Dec;11(6):250

ANALYSIS

DNA interference with radioimmunoassay procedures. Matsuo N, et al. **Clin Chem** 1983 Nov;29(11):1912–5

Conjugal plasmids in group D streptococci. Bondi M, et al. **Microbiologica** 1984 Apr;7(2):133–40

CLASSIFICATION

Streptococcus faecalis: group D or group G? [letter] Birch BR, et al. **Lancet** 1984 Apr 14;1(8381):856

Streptococcus faecalis: group D or group G? [letter] McIllmurray MB. **Lancet** 1984 Jun 16;1(8390):1353

CYTOLOGY

Division blocks in temperature-sensitive mutants of Streptococcus faecium (S. faecalis ATCC 9790). Canepari P, et al. **J Bacteriol** 1983 Dec;156(3):1046–51

Control of wall band splitting in Streptococcus faecalis. Koch AL, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):735–45

DRUG EFFECTS

Evaluation of the Kirby-Bauer disc diffusion test as a screening test for high-level aminoglycoside resistance in enterococci. Pfaller MA, et al. **Am J Clin Pathol** 1984 Oct; 82(4):458–60

Ribosomal resistance of clinical enterococcal to streptomycin isolates. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):398–9

Susceptibilities of enterococci to twelve antibiotics. Tofte RW, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):532–3

Comparative in vitro activities of teichomycin and vancomycin alone and in combination with rifampin and aminoglycosides against staphylococci and enterococci. Tuazon CU, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):411–2

Enumeration and speciation of group D streptococci from above and below a sewer outfall, their susceptibilities to six antibiotics and a comparison with clinical isolates. Bayne S, et al. **Antonie Van Leeuwenhoek** 1983 Nov; 49(4–5):399–410

Emergence of Streptococcus faecalis isolates with high-level resistance to multiple aminocyclitol aminoglycosides. Ikeda DP, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):171–7

In-vitro activity of azlocillin and other beta-lactam antibiotics against enterococci. Grimm H. **J Antimicrob Chemother** 1983 May;11 Suppl B:43–9

Medium-dependent zone size discrepancies associated with susceptibility testing of group D streptococci against various cephalosporins. Sahm DF, et al. **J Clin Microbiol** 1983 Oct;18(4):858–65

ENZYMOLOGY

Rutin-induced beta-glucosidase activity in Streptococcus faecium VGH-1 and Streptococcus sp. strain FRP-17 isolated from human feces: formation of the mutagen, quercetin, from rutin. MacDonald IA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):350–5

Synthesis of catalase by 'Streptococcus faecalis subsp. zymogenes'. Pugh SY, et al. **Arch Microbiol** 1983 Oct; 136(1):60–3

Altered expression of the H+ ATPase in Streptococcus faecalis membranes. Abrams A, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):151–7

The chromosomal 3',5'-aminoglycoside phosphotransferase in Streptococcus pneumoniae is closely related to its plasmid-coded homologs in Streptococcus faecalis and Staphylococcus aureus. Collatz E, et al. **J Bacteriol** 1983 Dec;156(3):1373–7

Sodium-stimulated ATPase in Streptococcus faecalis. Kinoshita N, et al. **J Bacteriol** 1984 Jun;158(3):844–8

Amplification of the Streptococcus faecalis proton-translocating ATPase by a decrease in cytoplasmic pH. Kobayashi H, et al. **J Bacteriol** 1984 Jun;158(3):1157–60

Putrescine carbamoyltransferase (Streptococcus faecalis). Stalon V. **Methods Enzymol** 1983;94:339–43

[A sensitive method for determining the proteolytic activity in culture filtrates] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):229–33 (Eng. Abstr.) **(Ger)**

GENETICS

Nucleotide sequence of the Streptococcus faecalis plasmid gene encoding the 3'5'-aminoglycoside phosphotransferase type III. Trieu-Cuot P, et al. **Gene** 1983 Sep;23(3):331–41

Introduction of pAM beta 1 into Listeria monocytogenes by conjugation and homology between native L. monocytogenes plasmids. Flamm RK, et al. **Infect Immun** 1984 Apr;44(1):157–61

Streptococcus faecalis R plasmid pJH1 contains an erythromycin resistance transposon (Tn3871) similar to transposon Tn917. Banai M, et al. **J Bacteriol** 1984 Jun; 158(3):1172–4

Regeneration of insertionally inactivated streptococcal DNA fragments after excision of transposon Tn916 in Escherichia coli: strategy for targeting and cloning of genes from gram-positive bacteria. Gawron-Burke C, et al. **J Bacteriol** 1984 Jul;159(1):214–21

Genetic analysis of the pAD1 pheromone response in Streptococcus faecalis, using transposon Tn917 as an insertional mutagen. Ike Y, et al. **J Bacteriol** 1984 Jun; 158(3):777–83

Physical and genetic analyses of streptococcal plasmid pAM beta 1 and cloning of its replication region. Leblanc DJ, et al. **J Bacteriol** 1984 Feb;157(2):445–53

Isolation of a DNA sequence related to several plasmids from Bacillus thuringiensis after a mating involving the Streptococcus faecalis plasmid pAM beta 1. Lereclus D, et al. **MGG** 1983;191(2):307–13

Plasmids in Streptococcus faecalis subsp. zymogenes: transferability and molecular properties. Manicardi G, et al. **Microbiologica** 1984 Jan;7(1):1–10

GROWTH & DEVELOPMENT

[Quantitative evaluation of peptones using growth tests] Mottl J. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul; 32(4):224–9 **(Cze)**

IMMUNOLOGY

The effects of subinhibitory concentrations of various antibiotics on phagocytosis of Streptococcus faecalis. Kennedy EM, et al. **J Antimicrob Chemother** 1983 Oct;12 Suppl C:69–74

Immune interferon production by TH69, a lyophilized preparation of Streptococcus faecalis, in murine spleen cell cultures. Yamaguchi T, et al. **Microbiol Immunol** 1984; 28(5):601–10

Application of S. faecalis and E. coli oral vaccines in humans and animals. Rusch V, et al. **Prog Food Nutr Sci** 1983; 7(3–4):39–52

ISOLATION & PURIFICATION

Identification of group D streptococci by SeroSTAT. Levchak ME, et al. **J Clin Microbiol** 1982 Jan;15(1):58–60

Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6

METABOLISM

High-field phosphorus NMR studies of the stoichiometry of the lactate/proton carrier in Streptococcus faecalis. Simpson SJ, et al. **Eur J Biochem** 1983 Oct 17;136(1):63–9

Kinetic analysis of tetracycline accumulation by Streptococcus faecalis. Lindley EV, et al. **J Bacteriol** 1984 Apr;158(1):334–6

Streptococcus faecalis proton gradients and tetracycline transport. Munske GR, et al. **J Bacteriol** 1984 Apr; 158(1):49–54

Aminoglycoside accumulation by membrane vesicles of Escherichia coli and Streptococcus faecalis. Dalhoff A. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):333–42

[Cation transport and regulation of the cytoplasmic pH in microorganisms] Kobayashi H. **Seikagaku** 1983 Jul; 55(7):427–44 (149 ref.) **(Jpn)**

PATHOGENICITY

Hemolysin of Streptococcus faecalis subspecies zymogenes contributes to virulence in mice. Ike Y, et al. **Infect Immun** 1984 Aug;45(2):528–30

Tissue factor is a major stimulus for vegetation formation in enterococcal endocarditis in rabbits. Drake TA, et al. **J Clin Invest** 1984 Jun;73(6):1750–3

PHYSIOLOGY

Inhibition of growth of Staphylococcus aureus on sensitivity testing agar by Streptococcus faecalis var zymogenes [letter] Barr JG, et al. **J Clin Pathol** 1984 Feb;37(2):228–9

RADIATION EFFECTS

Hematoporphyrin-sensitized photoinactivation of Streptococcus faecalis. Bertoloni G, et al. **Photochem Photobiol** 1984 Jun;39(6):811–6

STREPTOCOCCUS GROUP A see **STREPTOCOCCUS PYOGENES**

STREPTOCOCCUS GROUP B see **STREPTOCOCCUS AGALACTIAE**

STREPTOCOCCUS LACTIS

ENZYMOLOGY

Properties of a Streptococcus lactis strain that ferments lactose slowly. Crow VL, et al. **J Bacteriol** 1984 Jan; 157(1):28–34

Intracellular hexose-6-phosphate:phosphohydrolase from Streptococcus lactis: purification, properties, and function. Thompson J, et al. **J Bacteriol** 1983 Oct;156(1):70–80

GENETICS

Genetic transfer systems in lactic acid bacteria. Gasson MJ. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):275–82 (31 ref.)

The bacteriophages of lactic acid bacteria with emphasis on

genetic aspects of group N lactic streptococci. Teuber M, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):283–95 (29 ref.)

Simple and rapid method for isolating large plasmid DNA from lactic streptococci. Anderson DG, et al. **Appl Environ Microbiol** 1983 Sep;46(3):549–52

Conjugative 40-megadalton plasmid in Streptococcus lactis subsp. diacetylactis DRC3 is associated with resistance to nisin and bacteriophage. McKay LL, et al. **Appl Environ Microbiol** 1984 Jan;47(1):68–74

Microscale method for rapid isolation of covalently closed circular plasmid DNA from group N streptococci. Orberg PK, et al. **Appl Environ Microbiol** 1984 Apr;47(4):677–80

Genetic and physical characterization of recombinant plasmids associated with cell aggregation and high-frequency conjugal transfer in Streptococcus lactis ML3. Anderson DG, et al. **J Bacteriol** 1984 Jun; 158(3):954–62

Conjugal transfer and characterization of bacteriocin plasmids in group N (lactic acid) streptococci. Neve H, et al. **J Bacteriol** 1984 Mar;157(3):833–8

Two plasmid-determined restriction and modification systems in Streptococcus lactis. Chopin A, et al. **Plasmid** 1984 May;11(3):260–3

The DNA of bacteriophage 643: isolation and properties of the DNA of a bacteriophage infecting lactic Streptococci. Lyttle DJ, et al. **Virology** 1984 Mar;133(2):403–15

[Fragmentation of the lactose-protease plasmid in lactose-negative derivatives of Streptococcus lactis and S. lactis ssp. diacetylactis] Ramos P, et al. **Ann Microbiol (Paris)** 1983 Nov-Dec;134B(3):387–99 (Eng. Abstr.) **(Fre)**

METABOLISM

The use of mesophilic cultures in the dairy industry. Daly C. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):297–312 (84 ref.)

Functional properties of plasmids in lactic streptococci. McKay LL. **Antonie Van Leeuwenhoek** 1983 Sep; 49(3):259–74 (68 ref.)

Phosphate/hexose 6-phosphate antiport in Streptococcus lactis. Maloney PC, et al. **J Bacteriol** 1984 Apr; 158(1):238–45

Use of 31P nuclear magnetic resonance spectroscopy and 14C fluorography in studies of glycolysis and regulation of pyruvate kinase in Streptococcus lactis. Thompson J, et al. **J Bacteriol** 1984 Jun;158(3):791–800

ULTRASTRUCTURE

[Protoplast isolation from a nisin-forming culture of Streptococcus lactis strain MGU] Baranova IP, et al. **Antibiotiki** 1984 Mar;29(3):205–8 (Eng. Abstr.) **(Rus)**

STREPTOCOCCUS MUTANS

ANALYSIS

Cytoplasmic proteins of Streptococcus mutans (serotype c) and their interaction with fluoride. Yotis WW, et al. **Appl Environ Microbiol** 1984 Mar;47(3):506–12

Biochemical and immunological differences between hydrophobic and hydrophilic strains of Streptococcus mutans. McBride BC, et al. **Infect Immun** 1984 Apr; 44(1):68–75

CLASSIFICATION

Multiple types of the bacterium Streptococcus mutans in the human mouth and their intra-family transmission. Davey AL, et al. **Arch Oral Biol** 1984;29(6):453–60

Clinical isolates of Streptococcus mutans serotype c with altered colony morphology due to fructan synthesis. Okahashi N, et al. **Infect Immun** 1984 Jun;44(3):617–22

Relatedness and classification of Streptococcus mutans and 'mutans-like' streptococci. Schleifer KH, et al. **J Dent Res** 1984 Aug;63(8):1047–50

CYTOLOGY

Stability of Streptococcus mutans and its relationship to caries in a child population over 2 years. Burt BA, et al. **Caries Res** 1983;17(6):532–42

Microbial composition, pH-depressing capacity and acidogenicity of 3-week smooth surface plaque developed on sucrose-regulated diets in man. Scheie AA, et al. **Caries Res** 1984;18(1):74–86

The effect of chewing xylitol gum on the plaque and saliva levels of Streptococcus mutans. Loesche WJ, et al. **J Am Dent Assoc** 1984 Apr;108(4):587–92

Streptococcus mutans levels and biotypes in Egyptian and Saudi Arabian students during the first months of residency in the United States. Farghaly MM, et al. **J Dent Res** 1984 Jan;63(1):52–5

Enhancement of Streptococcus mutans colonization by direct bonded orthodontic appliances. Mattingly JA, et al. **J Dent Res** 1983 Dec;62(12):1209–11

Streptococcus mutans and caries prevalence in Lisu and Karen of northern Thailand. Reichart P, et al. **J Dent Res** 1984 Jan;63(1):56–8

Streptococcus mutans establishment and changes in salivary IgA in young children with reference to dental caries. Longitudinal studies and studies on associated methods. Alaluusua S. **Proc Finn Dent Soc** 1983;79 Suppl 3:1–55

Slide-scoring method for estimation of Streptococcus mutans levels in saliva. Alaluusua S, et al. **Scand J Dent Res** 1984 Apr;92(2):127–33

[Bacterial colonization of Streptococcus mutans and changes in salivary IgA in dental caries in young children. Longitudinal studies and studies on associated methodologies] Alaluusua S. **Proc Finn Dent Soc** 1984; 80(1):40–2 **(Fin)**

DRUG EFFECTS

The alkaline and antibacterial effect of seven Ca(OH)2 liners in vitro. Forsten L, et al. **Acta Odontol Scand** 1984 Apr; 42(2):93–8

Further studies on the growth inhibition of some oral bacteria by xylitol. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):261–5

Comparative effects of five chlorosucrose analogues on acidogenicity and adherence of the oral bacterium Streptococcus mutans in vitro. Drucker DB. **Arch Oral Biol** 1983;28(9):833–7

Synergism of lysozyme, proteases and inorganic monovalent anions in the bacteriolysis of oral Streptococcus mutans GS5. Pollock JJ, et al. **Arch Oral Biol** 1983;28(9):865–71

Loss of sensitivity to xylitol by Streptococcus mutans LG-1. Gauthier L, et al. **Caries Res** 1984;18(4):289–95

Growth-inhibitory and bactericidal effects of human parotid salivary histidine-rich polypeptides on Streptococcus mutans. MacKay BJ, et al. **Infect Immun** 1984 Jun; 44(3):695–701

Oxygen toxicity in Streptococcus mutans: manganese, iron, and superoxide dismutase. Martin ME, et al. **J Bacteriol** 1984 Aug;159(2):745–9

Anti-bacterial determinants of stannous fluoride. Camosci DA, et al. **J Dent Res** 1984 Sep;63(9):1121–5

[Effect of different fluoride and chloride compounds on the ATP content of Streptococcus mutans] Steinke A, et al. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S41–4 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Evidence for presence of a xylitol phosphotransferase system in Streptococcus mutans OMZ 176. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):89–92

Structure and properties of the phosphoenolpyruvate: glucose phosphotransferase system of oral streptococci. Vadeboncoeur C. **Can J Microbiol** 1984 Apr;30(4):495–502

p-Nitrophenyl alpha-D-glucopyranoside, a new substrate for glucansucrases. Binder TP, et al. **Carbohydr Res** 1983 Dec 23;124(2):287–99

Disproportionation reactions catalyzed by Leuconostoc and Streptococcus glucansucrases. Binder TP, et al. **Carbohydr Res** 1983 Dec 23;124(2):275–86

The formation of alpha-D-(1——3) branch linkages by a D-glucansucrase from Streptococcus mutans 6715 producing a soluble D-glucan. Côté GL, et al. **Carbohydr Res** 1984 Apr 2;127(1):95–107

Inter-serotype comparison of polysaccharides produced by extracellular enzymes from Streptococcus mutans. Yakushiji T, et al. **Carbohydr Res** 1984 Apr 15; 127(2):253–66

Inhibitory effect of saccharin on glycolytic enzymes in cell-free extracts of Streptococcus mutans. Linke HA, et al. **Caries Res** 1984;18(1):12–6

Alterations by Mg and F of the fermentative dissolution of F-varnished enamel by a streptococcal layer measured by a microhardness tester and a proton probe microanalysis. Luoma AR, et al. **Caries Res** 1984;18(2):111–9

Insoluble glucan synthesis by Streptococcus mutans serotype c strains. Kuramitsu HK, et al. **Infect Immun** 1983 Nov; 42(2):763–70

Glucose phosphoenolpyruvate-dependent phosphotransferase system of Streptococcus mutans GS5 studied by using cell-free extracts. Liberman ES, et al. **Infect Immun** 1984 May;44(2):486–92

Role of the phosphoenolpyruvate-dependent glucose phosphotransferase system of Streptococcus mutans GS5 in the regulation of lactose uptake. Liberman ES, et al. **Infect Immun** 1984 Feb;43(2):536–42

Resolution of the phosphotransferase enzymes of Streptococcus mutans: purification and preliminary characterization of a heat-stable phosphocarrier protein. Mimura CS, et al. **Infect Immun** 1984 Jun;44(3):708–15

Effects of local immunization of hamsters with glucosyltransferase antigens on infection with Streptococcus sanguis. Smith DJ, et al. **Infect Immun** 1983 Oct;42(1):156–62

Activity of Streptococcus mutans alpha-D-glucosyltransferases released under various growth conditions. Walker GJ, et al. **J Dent Res** 1984 Mar; 63(3):397–400

Fructosyltransferase activity of a glucan-binding protein from Streptococcus mutans. Russell RR, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3243–50

Purification and properties of extracellular glucosyltransferases from Streptococcus mutans serotype a. Tsumori H, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3251–9

Comparative study of Streptococcus mutans extracellular glycosyltransferases by isoelectric focusing. Tsumori H, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3261–9

[Inhibitory effect of protease on glucosyltransferase activity of Streptococcus mutans strain K1-R] Nara Y. **Fukuoka Igaku Zasshi** 1983 Sep;74(9):630–41 (Eng. Abstr.) **(Jpn)**

GENETICS

Disseminated tetracycline resistance in oral streptococci: implication of a conjugative transposon. Hartley DL, et al. **Infect Immun** 1984 Jul;45(1):13–7

In vitro and in vivo complementation of Streptococcus mutans mutants defective in adherence. Larrimore S, et al. **Infect Immun** 1983 Nov;42(2):558–66

Sequential mutagenesis of drug resistance in Streptococcus mutans during synchronous replication. Rikiishi H, et al. **Tohoku J Exp Med** 1983 Oct;141(2):155–61

GROWTH & DEVELOPMENT

The effects of mutual interaction and host diet on the growth rates of the bacteria Actinomyces viscosus and Streptococcus mutans during colonization of tooth surfaces in di-associated gnotobiotic rats. Beckers HJ, et al. **Arch Oral Biol** 1984;29(3):231–6

Function of anti-Streptococcus mutans antibodies: anti-ribosomal antibodies inhibit acid production, growth, and glucose phosphotransferase activity. Gregory RL, et al. **Infect Immun** 1984 Jul;45(1):286–9

In vitro and in vivo studies of cellular lysis of oral bacteria by a lysozyme-protease-inorganic monovalent anion antibacterial system. Pollock JJ, et al. **Infect Immun** 1984 Sep;45(3):610–7

Oral implantation in humans of Streptococcus mutans strains with different degrees of hydrophobicity. Svanberg M, et al. **Infect Immun** 1984 Mar;43(3):817–21

Mode of inhibitory action of a bacteriocin produced by Streptococcus mutans C3603. Takada K, et al. **Infect Immun** 1984 May;44(2):370–8

The effect of oxygen on the growth and mannitol fermentation of Streptococcus mutants. Higuchi M. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1819–26

IMMUNOLOGY

Immunologic cross-reactivity between Streptococcus mutans and mammalian tissues. Nisengard RJ, et al. **Ann NY Acad Sci** 1983;420:401–9

Natural antibodies in man to a protein antigen from the bacterium Streptococcus mutans related to dental caries experience. Challacombe SJ, et al. **Arch Oral Biol** 1984; 29(3):179–84

Human serum precipitins to oral bacteria related to dental caries. Levine M, et al. **Arch Oral Biol** 1984;29(3):191–4

Natural antibodies in man to Streptococcus mutans: specificity and quantification. Challacombe SJ, et al. **Immunology** 1984 May;52(1):143–50

Identification, purification and characterization of a streptococcal protein antigen with a molecular weight of 3800. Giasuddin AS, et al. **Immunology** 1983 Dec; 50(4):651–8

Function of anti-Streptococcus mutans antibodies: anti-ribosomal antibodies inhibit acid production, growth, and glucose phosphotransferase activity. Gregory RL, et al. **Infect Immun** 1984 Jul;45(1):286–9

Amount and avidity of salivary and serum antibodies against Streptococcus mutans in two groups of human subjects with different dental caries susceptibility. Lehtonen OP, et al. **Infect Immun** 1984 Jan;43(1):308–13

Characterization of polysaccharide antigens of Streptococcus mutans B13 grown under various conditions. Linzer R, et al. **Infect Immun** 1984 Apr;44(1):76–81

Identification and preliminary characterization of saliva-interacting surface antigens of Streptococcus mutans by immunoblotting, ligand blotting, and immunoprecipitation. Ogier JA, et al. **Infect Immun** 1984 Jul;45(1):107–12

Serological characterization of Streptococcus mutans serotype polysaccharide g and its different molecular weight forms. Takada K, et al. **Infect Immun** 1984 Aug; 45(2):464–9

Detection of antigens in enzymic lysates of cell wall from Streptococcus mutans strains. Knox KW, et al. **J Dent Res** 1983 Oct;62(10):1033–7

Characteristics of a high molecular weight extracellular protein of Streptococcus mutans. Forester H, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2779–88

A Streptococcus mutans immunogen that reacts equally with S. mutans antibody of all serotypes. Everhart DL, et al. **Med Microbiol Immunol (Berl)** 1984;172(4):215–22

Effective immunity to dental caries: protection of gnotobiotic rats by local immunization with a ribosomal preparation from Streptococcus mutans. Gregory RL, et al. **Microbiol Immunol** 1983;27(9):787–800

Immunochemical characteristics of Streptococcus mutans serotype h carbohydrate antigen. Okahashi N, et al. **Microbiol Immunol** 1984;28(4):407–13

Oral adjuvants enhance IgA responses to Streptococcus mutans. Michalek SM, et al. **Mol Immunol** 1983 Sep; 20(9):1009–18

Characterization of a mutant of serotype g Streptococcus mutans strain 6715 lacking dextran-induced agglutination. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May;254(3):343–51

[Genetic control of the immune response to Streptococcus mutans, insulins and (T,G)-A--L in the rat] Inomata T. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):406-19 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Streptococcus mutans in saliva: intraindividual variations and relation to the number of colonized sites. Togelius J, et al. **Acta Odontol Scand** 1984 Jun;42(3):157-63

The establishment of the bacterium Streptococcus mutans in dental plaque and the induction of caries in macaque monkeys (Macaca fascicularis) fed a diet containing cooked-wheat flour. Beighton D, et al. **Arch Oral Biol** 1984;29(5):369-72

A selective medium for the two major subgroups of the bacterium Streptococcus mutans isolated from human dental plaque and saliva. Van Palenstein Helderman WH, et al. **Arch Oral Biol** 1983;28(7):599-603

Can microbiological knowledge be applied in dental practice for the treatment and prevention of dental caries. Krasse B. **Can Dent Assoc J** 1984 Mar;50(3):221-3

Streptococcus mutans and Streptococcus sanguis in plaque from orthodontic bands and brackets. Svanberg M, et al. **Eur J Orthod** 1984 May;6(2):132-6

Automated immunofluorescent speciation of oral bacteria using flow cytometry. Barnett JM, et al. **J Dent Res** 1984 Aug;63(8):1040-2

Effect of cheese, with and without sucrose, on dental caries and recovery of Streptococcus mutans in rats. Rosen S, et al. **J Dent Res** 1984 Jun;63(6):894-6

Streptococcus mutans establishment and dental caries experience in children from 2 to 4 years old. Alaluusua S, et al. **Scand J Dent Res** 1983 Dec;91(6):453-7

Secretion rate, buffer effect and number of lactobacilli and Streptococcus mutans of whole saliva of cigarette smokers and nonsmokers. Heintze U. **Scand J Dent Res** 1984 Aug; 92(4):294-301

Effect of orthodontic treatment on prevalence of Streptococcus mutans in plaque and saliva. Scheie AA, et al. **Scand J Dent Res** 1984 Jun;92(3):211-7

[Cariogenic pathogenicity and Streptococcus mutans. A new isolation method for epidemiologic study. I] Giannì E, et al. **Minerva Stomatol** 1983 Jul-Aug;32(4):483-91 (22 ref.) (Eng. Abstr.) **(Ita)**

METABOLISM

Comparison of polyvinyl chloride membrane electrodes sensitive to alkylphosphonium ions for the determination of the electrical difference (delta psi) of Streptococcus mutans and Lactobacillus casei. Keevil CW, et al. **Anal Biochem** 1984 May 15;139(1):228-36

A comparison of the acid-base and aciduric properties of various serotypes of the bacterium Streptococcus mutans associated with dental plaque. Denepitiya L, et al. **Arch Oral Biol** 1984;29(5):385-93

Exchange of fluoride between bovine enamel and the surface-related cells of the oral bacterium Streptococcus mutans. Luoma H, et al. **Arch Oral Biol** 1984;29(5):343-8

The repressible metabolism of sorbitol (D-glucitol) by intact cells of the oral plaque-forming bacterium Streptococcus mutans. Slee AM, et al. **Arch Oral Biol** 1983;28(9):839-45

Heterofermentative glucose metabolism by glucose transport-impaired mutants of oral streptococcal bacteria during growth in batch culture. Vadeboncoeur C, et al. **Arch Oral Biol** 1983;28(10):931-7

Effect of magnesium and fluoride on the fermentative dissolution of enamel by a streptococcal layer as measured by microhardness tester and a proton probe microanalysis. Luoma AR, et al. **Caries Res** 1983;17(5):430-8

Isolation of a Streptococcus mutans strain producing a novel bacteriocin. Hillman JD, et al. **Infect Immun** 1984 Apr; 44(1):141-4

Transport of glucose and mannose by a common phosphoenolpyruvate-dependent phosphotransferase system in Streptococcus mutans GS5. Liberman ES, et al. **Infect Immun** 1984 Mar;43(3):1106-9

Disulfide reduction and sulfhydryl uptake by Streptococcus mutans. Thomas EL. **J Bacteriol** 1984 Jan;157(1):240-6

Acid sensitivity of glycolysis in normal and proton-permeable cells of Streptococcus mutans GS-5. Thibodeau EA, et al. **J Dent Res** 1983 Nov;62(11):1174-8

Effects of fluoride, lithium, and strontium on intracellular polysaccharide accumulation in S. mutans and A. viscosus. Wegman MR, et al. **J Dent Res** 1984 Sep;63(9):1126-9

A photometric method for assessing in vitro plaque formation. Park KK, et al. **J Oral Med** 1983 Jul-Sep; 38(3):113-6

Effect of maltose on glucan synthesis by glucosyltransferases of Streptococcus mutans. Fukui K, et al. **Microbiol Immunol** 1983;27(11):917-27

Uptake of U-14C-glucose by Streptococcus mutans in the presence of saccharin. Linke HA, et al. **Microbios** 1984; 40(159):41-4

Sucrose transport into Streptococcus mutans. **Nutr Rev** 1983 Aug;41(8):256-8 (8 ref.)

Lysis of Streptococcus mutans BHT by salivary lysozyme. Twetman S, et al. **Scand J Dent Res** 1983 Aug;91(4):274-80

Effects of xylitol on the acid production activity from sorbitol by Streptococcus mutans and human dental plaque. Sasaki N, et al. **Swed Dent J** 1983;7(4):153-60

[Factors related to cariogenicity studied using a low cariogenicity mutant of Streptococcus mutans KI-R] Kishimoto E. **Fukuoka Igaku Zasshi** 1983 Oct; 74(10):710-23 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Virulence of beta-hemolytic and non-hemolytic Streptococcus mutans: lethal dose determinations in neonatal mice. Woltjes J, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4-5):353-60

Virulence factors of Streptococcus mutans and dental caries prevention. Hamada S, et al. **J Dent Res** 1984 Mar; 63(3):407-11

[Cariogenic pathogenicity and Streptococcus mutans: epidemiologic study of elderly edentulous subjects. II] Giannì E, et al. **Minerva Stomatol** 1983 Nov-Dec; 32(6):777-81 (Eng. Abstr.) **(Ita)**

[Cariogenic pathogenicity and Streptococcus mutans. 4. An epidemiological study of edentulous infants and children with deciduous dentition] Giannì E, et al. **Minerva Stomatol** 1984 May-Jun;33(3):413-6 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

An in-vitro study of the role of sucrose and interactions between oral bacteria in possible mechanisms of dental plaque formation. Adshead VM, et al. **Arch Oral Biol** 1983; 28(8):723-7

The effect of growth rate on the adhesion of the oral bacteria Streptococcus mutans and Streptococcus milleri. Rogers AH, et al. **Arch Oral Biol** 1984;29(2):147-50

Anti-cariogenic and remineralizing properties of xylitol in combination with sucrose in rats inoculated with Streptococcus mutans. Havenaar R, et al. **Caries Res** 1984; 18(3):269-77

Inhibition of bacterial aggregation by serum- and blood-derived proteins. Malamud D, et al. **Infect Immun** 1984 Jan;43(1):386-90

Factors involved in artificial caries induction by oral streptococci in extracted human teeth. Kaufman HW, et al. **J Dent Res** 1984 May;63(5):653-7

Workshop report: characteristics of cariogenic bacteria. Rogers AH, et al. **J Dent Res** 1984 Mar;63(3):471

Ultrastructural visualization of the adherence of Streptococcus mutans and Streptococcus salivarius to hydroxyapatite. Meurman JH, et al. **Scand J Dent Res** 1983 Dec;91(6):448-52

ULTRASTRUCTURE

Protoplast and cytoplasmic membrane preparations from Streptococcus sanguis and Streptococcus mutans. Schöller M, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3271-9

STREPTOCOCCUS PNEUMONIAE

see related
PNEUMOCOCCAL INFECTIONS

Endotoxin in middle-ear effusions from patients with chronic otitis media with effusion. DeMaria TF, et al. **J Clin Microbiol** 1984 Jul;20(1):15-7

Opsonization of pneumococci by whole serum from sickle cell disease patients. Bloch EF, et al. **J Natl Med Assoc** 1984 Feb;76(2):179-82

Long-term follow-up and booster immunization with polyvalent pneumococcal polysaccharide in patients with sickle cell anemia. Weintrub PS, et al. **J Pediatr** 1984 Aug; 105(2):261-3

Small-vessel vasculitis following simultaneous influenza and pneumococcal vaccination. Houston TP. **NY State J Med** 1983 Oct-Nov;83(11-12):1182-3

ANALYSIS

Structural elucidation of the capsular polysaccharide of Streptococcus pneumoniae type 9N. Rosell KG, et al. **Can J Biochem Cell Biol** 1983 Oct;61(10):1102-7

Structural determination of the capsular polysaccharide of Streptococcus pneumoniae type 19A (57). Katzenellenbogen E, et al. **Carbohydr Res** 1983 Dec 23; 124(2):235-45

The structure of the repeating oligosaccharide unit of the pneumococcal capsular polysaccharide type 18C. Phillips LR, et al. **Carbohydr Res** 1983 Sep 16;121:243-55

Structural studies on the polysaccharide from Streptococcus pneumoniae type 20. Roy A, et al. **Carbohydr Res** 1984 Jun 1;128(2):C11-C12

[Resistance factors in Streptococcus pneumoniae cell wall to lysozyme digestion] Ohno N, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1185-9 (Eng. Abstr.) **(Jpn)**

[Immunochemical study of the type-specific polysaccharides of pneumococcus] Shagam NL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):70-3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Serotype distribution of Streptococcus pneumoniae in hospitalized patients in Israel. Bergner-Rabinowitz S, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):480-2

Prevalence of serotypes of Streptococcus pneumoniae in patients in & around Chandigarh. Ayyagari A, et al. **Indian J Med Res** 1984 Feb;79:174-7

Detection of pneumococci in blood cultures by latex agglutination. Browne K, et al. **J Clin Microbiol** 1984 May; 19(5):649-50

Serotyping of Streptococcus pneumoniae strains by coagglutination and counterimmunoelectrophoresis. Trollfors B, et al. **J Clin Microbiol** 1983 Oct;18(4):978-80

Serotypes of Streptococcus pneumoniae isolated from blood cultures at Boston City Hospital between 1979 and 1982. Barry MA, et al. **J Infect Dis** 1984 Mar;149(3):449-52

[Multicenter study of pneumococcal serotypes in Africa] Denis FA, et al. **Bull WHO** 1983;61(4):661-9 (Eng. Abstr.) **(Fre)**

[Serotype and antibiotic resistance of pneumococci isolated at the Aix-en-Provence Hospital Center] Chardon H, et al. **Poumon Coeur** 1983;39(6):287-90 (Er.g. Abstr.) **(Fre)**

[Diagnostic pneumococcal sera and the serological typing of Streptococcus pneumoniae] Raginskaia VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):44-6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Glycoconjugate receptors involved in the adhesion of Escherichia coli and Streptococcus pneumoniae to epithelial cells. Svanborg Edén C, et al. **J Dent Res** 1984 Mar;63(3):386-8

[Problems in dissociating strains of Streptococcus pneumoniae] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):28-32 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Special topics in antimicrobial susceptibility testing: test accuracy against methicillin-resistant Staphylococcus aureus, pneumococci, and the sensitivity of beta-lactamase methods. Jones RN, et al. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):609-14

Possible pseudoresistance of Streptococcus pneumoniae to penicillin G in a patient with a mixed pneumococcus-Staphylococcus aureus pneumonia. Drelichman V, et al. **Am J Med Sci** 1984 May-Jun; 287(3):39-43

Strategies for antimicrobial susceptibility testing of fastidious aerobic bacteria. Hindler J. **Am J Med Technol** 1983 Nov; 49(11):761-7

Penicillin-resistant Streptococcus pneumoniae keratitis [letter] Sutphin JE, et al. **Am J Ophthalmol** 1984 Mar; 97(3):388-9

Antibiotic susceptibility and serotype distribution of Streptococcus pneumoniae. Stable incidence of antibiotic-resistant isolates and common serotypes. Perlino CA, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1018-20

Penicillin-resistant pneumococci. Oxley DK. **Arch Pathol Lab Med** 1984 Feb;108(2):106-7

'Streptococcus pneumoniae' strains relatively resistant to penicillin G in Italy [letter] Figura N, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):115-6

Cotrimoxazole resistance in pneumococci. Linares J, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):473-4

Comparative susceptibilities of penicillin-resistant pneumococci to co-trimoxazole, vancomycin, rifampicin and fourteen beta-lactam antibiotics. Liñares J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):353-9

Susceptibility of penicillin-resistant pneumococci to eighteen antimicrobials: implications for treatment of meningitis. Tweardy DJ, et al. **J Antimicrob Chemother** 1983 Aug; 12(2):133-9

Antibiotic-resistant pneumococci in hospitalized children. Robins-Browne RM, et al. **J Hyg (Lond)** 1984 Aug; 93(1):9-16

The postantibiotic effect in the treatment of experimental meningitis caused by Streptococcus pneumoniae in rabbits. Täuber MG, et al. **J Infect Dis** 1984 Apr;149(4):575-83

Antibacterial activity of beta-lactam antibiotics in experimental meningitis due to Streptococcus pneumoniae. Täuber MG, et al. **J Infect Dis** 1984 Apr;149(4):568-74

Effect of penicillin prophylaxis on nasopharyngeal colonization with Streptococcus pneumoniae in children with sickle cell anemia. Anglin DL, et al. **J Pediatr** 1984 Jan;104(1):18-22

Penicillin resistant pneumococcus. Jamal F, et al. **Med J Malaysia** 1983 Jun;38(2):102-3

Relatively penicillin-resistant pneumococcal infections in pediatric patients. Jackson MA, et al. **Pediatr Infect Dis** 1984 Mar-Apr;3(2):129-32

Frequency and type distribution of pneumococcal strains in the Stockholm region with resistance or reduced susceptibility to antibiotics. Kalin M, et al. **Scand J Infect Dis** 1984;16(1):73-8

Antibacterial activity of nine oral antibiotics against Streptococcus pneumoniae, Haemophilus influenzae and Branhamella catarrhalis. Renkonen OV. **Scand J Infect Dis [Suppl]** 1983;39:106-8

[Streptococcus pneumoniae partially resistant to penicillin and resistant to chloramphenicol] Cahane Z, et al. **Harefuah** 1983 Apr 15;104(8):338-9 **(Heb)**

[Evaluation of in vitro antibacterial potencies of oral antibiotics against sputum isolates] Yamada H, et al. **Jpn J Antibiot** 1983 Aug;36(8):2103-8 (Eng. Abstr.) **(Jpn)**

[Drug resistance of bacteria--the present status and the future prospect. 1. Streptococcus pneumoniae] Oguri T. **Nippon Rinsho** 1984 Mar;42(3):651-7 **(Jpn)**

[Antibiotic sensitivity of Streptococcus pneumoniae strains isolated from the bronchial contents of patients with inflammatory lung diseases] Shkirmantova IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):47–50 (Eng. Abstr.) **(Rus)**

[Isolation of multiresistant pneumococci from clinical material] Moravčík P, et al. **Bratisl Lek Listy** 1983 Aug; 80(2):176–84 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Degradation of human immunoglobulins by proteases from Streptococcus pneumoniae obtained from various human sources. Wikström MB, et al. **Infect Immun** 1984 Apr; 44(1):33–7

The chromosomal 3',5'-aminoglycoside phosphotransferase in Streptococcus pneumoniae is closely related to its plasmid-coded homologs in Streptococcus faecalis and Staphylococcus aureus. Collatz E, et al. **J Bacteriol** 1983 Dec;156(3):1373–7

Biochemical characterization of a murein hydrolase induced by bacteriophage Dp-1 in Streptococcus pneumoniae: comparative study between bacteriophage-associated lysin and the host amidase. García P, et al. **J Bacteriol** 1984 Aug;159(2):793–6

Characterization of high-level aminoglycoside resistance in a strain of Streptococcus pneumoniae. Collatz E, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1665–71

[Endo-beta-galactosidase from Streptococcus pneumoniae] Takasaki S. **Tanpakushitsu Kakusan Koso** 1984 May; 29(5):383–5 **(Jpn)**

GENETICS

Induction of human gamma interferon by structurally defined polypeptide fragments of group A streptococcal M protein. Weigent DA, et al. **Infect Immun** 1984 Jan;43(1):122–6

Cloning in Streptococcus pneumoniae of the gene for DpnII DNA methylase. Lacks SA, et al. **J Bacteriol** 1984 Mar; 157(3):934–6

Transfer of recombinant plasmids containing the gene for DpnII DNA methylase into strains of Streptococcus pneumoniae that produce DpnI or DpnII restriction endonucleases. Lacks SA, et al. **J Bacteriol** 1984 Jun; 158(3):905–9

Use of a cloned DNA fragment to analyze the fate of donor DNA in transformation of Streptococcus pneumoniae. Méjean V, et al. **J Bacteriol** 1984 Jun;158(3):1175–8

Isolation and characterization of three new classes of transformation-deficient mutants of Streptococcus pneumoniae that are defective in DNA transport and genetic recombination. Morrison DA, et al. **J Bacteriol** 1983 Oct;156(1):281–90

Characterization of a Streptococcus pneumoniae mutant with altered electric transmembrane potential. Trombe MC, et al. **J Bacteriol** 1984 Jun;158(3):1109–14

Fate of DNA in eclipse complex during genetic transformation in Streptococcus pneumoniae. Vijayakumar MN, et al. **J Bacteriol** 1983 Nov;156(2):644–8

Protease-sensitive transfection of Streptococcus pneumoniae with bacteriophage Cp-1 DNA. Ronda C, et al. **J Virol** 1983 Dec;48(3):721–30

Physical structure and genetic expression of the sulfonamide-resistance plasmid pLS80 and its derivatives in Streptococcus pneumoniae and Bacillus subtilis. Lopez P, et al. **MGG** 1984;195(3):403–10

Hyperrecombination at a specific DNA sequence in pneumococcal transformation. Lefèvre JC, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5184–8

Generation of deletions in pneumococcal mal genes cloned in Bacillus subtilis. Lopez P, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5189–93

A penicillin-resistant Streptococcus pneumoniae; case report. Chowdhury MN. **Trop Geogr Med** 1983 Sep;35(3):309–11

GROWTH & DEVELOPMENT

Inhibitory effect of cerebrospinal fluid on the growth of meningococci and pneumococci. Hassan-King M, et al. **J Clin Pathol** 1984 Apr;37(4):428–32

The effect of D2O on the growth and transforming activities of Streptococcus pneumoniae. Butler LO, et al. **J Gen Microbiol** 1984 Mar;130 (Pt 3):483–94

IMMUNOLOGY

Leukocyte chemotaxis induced by Streptococcus pneumoniae and serum. Rosén C, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Oct; 91(5):365–9

Nature of cross-reactivity between Haemophilus influenzae types a and b and Streptococcus pneumoniae types 6A and 6B. Lagergård T, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):371–6

Comparison of enzyme-linked immunosorbent assay and radioimmunoassay for determination of anti-pneumococcal polysaccharide antibodies. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):251–5

Immunoglobulin classes and persistence of anti-pneumococcal antibodies in splenectomized adults and adolescents after pneumococcal vaccination. Pedersen FK, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):245–9

Persistence of protective pneumococcal antibody following vaccination in patients with the nephrotic syndrome. Tejani A, et al. **Am J Nephrol** 1984 Jan-Feb;4(1):32–7

The relationship of maternal antibody levels to post-cesarean section endometritis. Grunebaum AN, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):919–22

The role of C5 in polymorphonuclear leukocyte recruitment in response to Streptococcus pneumoniae. Toews GB, et al. **Am Rev Respir Dis** 1984 Jan;129(1):82–6

Early pulmonary granulocyte recruitment in response to Streptococcus pneumoniae. Vial WC, et al. **Am Rev Respir Dis** 1984 Jan;129(1):87–91

Pneumococcal vaccine in the hospital. Improved use and implications for high-risk patients. Klein RS, et al. **Arch Intern Med** 1983 Oct;143(10):1878–81

Pneumococcal vaccine for high-risk patients [letter] Rosner F. **Arch Intern Med** 1984 May;144(5):1089

Role of spleen in immune response to polyvalent pneumococcal vaccine. Di Padova F, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1829–32

The specific capsular polysaccharide of Streptococcus pneumoniae type 15A (American type 30). Caroff M, et al. **Can J Biochem Cell Biol** 1984 Apr;62(4):151–61

Isomeric, anti-rhamnose antibodies having specificity for rhamnose-containing, streptococcal heteroglycans. Pazur JH, et al. **Carbohydr Res** 1983 Dec 23;124(2):253–63

Structure of the capsular polysaccharide from Streptococcus pneumoniae type 23. Roy A, et al. **Carbohydr Res** 1984 Mar 15;126(2):271–7

Plasma anti-pneumococcal antibody activity of the IgG class and subclasses in otitis prone children. Freijd A, et al. **Clin Exp Immunol** 1984 May;56(2):233–8

Epstein-Barr virus induced pneumococcal antibody production in man. A comparison of different lymphoid organs. Freijd A, et al. **Clin Exp Immunol** 1984 Jan; 55(1):204–10

Cross-reacting opsonic antibodies to clinically important pneumococcal serotypes after pneumococcal vaccination. Braconier JH, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):453–8

Human-human hybrids secreting pneumococcal antibodies. Schwaber JF, et al. **Hum Immunol** 1984 Mar;9(3):137–43

Classical complement pathway activation by antipneumococcal antibodies leads to covalent binding of C3b to antibody molecules. Brown EJ, et al. **Infect Immun** 1983 Nov;42(2):594–8

Immunoglobulin A-mediated hepatobiliary transport constitutes a natural pathway for disposing of bacterial antigens. Russell MW, et al. **Infect Immun** 1983 Dec; 42(3):1041–8

Serum antibody responses of juvenile and infant rhesus monkeys injected with Haemophilus influenzae type b and pneumococcus type 6A capsular polysaccharide-protein conjugates. Schneerson R, et al. **Infect Immun** 1984 Sep; 45(3):582–91

Preparation of human hyperimmune globulin to Haemophilus influenzae b, Streptococcus pneumoniae, and Neisseria meningitidis. Siber GR, et al. **Infect Immun** 1984 Jul; 45(1):248–54

Preparation of a semisynthetic vaccine to Streptococcus pneumoniae type 3. Snippe H, et al. **Infect Immun** 1983 Nov;42(2):842–4

Pneumococcal antibodies in families with recurrent otitis media. Kalm O, et al. **Int Arch Allergy Appl Immunol** 1984; 75(2):139–42

Pneumococcal polysaccharide capsular antigens in chronic secretory otitis media. Palva T, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):145–9

Anomalous results using countercurrent immunoelectrophoresis for the detection of pneumococcal antigen in Bactec blood culture media. Chiang WC, et al. **J Clin Pathol** 1984 May;37(5):571–2

Counterimmunoelectrophoresis for the detection of bacterial antigens in cerebrospinal fluid [letter] Cookson B, et al. **J Clin Pathol** 1984 Aug;37(8):956

Monoclonal antibodies against protease-sensitive pneumococcal antigens can protect mice from fatal infection with Streptococcus pneumoniae. McDaniel LS, et al. **J Exp Med** 1984 Aug 1;160(2):386–97

Phosphorylcholine on Streptococcus pneumoniae R36a is responsible for in vitro polyclonal antibody secretion by human peripheral blood lymphocytes. Beckmann E, et al. **J Immunol** 1984 May;132(5):2174–6

C-reactive protein inhibits pneumococcal activation of the alternative pathway by increasing the interaction between factor H and C3b. Mold C, et al. **J Immunol** 1984 Aug; 133(2):882–5

Human anti-pneumococci antibody produced by an Epstein Barr virus (EBV)-immortalized cell line. Steinitz M, et al. **J Immunol** 1984 Feb;132(2):877–82

Vaccination against Streptococcus pneumoniae in childhood: lack of demonstrable benefit in young Australian children. Douglas RM, et al. **J Infect Dis** 1984 Jun;149(6):861–9

Immunologic responses of children to serious infections with Streptococcus pneumoniae. Prober CG, et al. **J Infect Dis** 1983 Sep;148(3):427–35

Considerations for formulating the second-generation pneumococcal capsular polysaccharide vaccine with emphasis on the cross-reactive types within groups. Robbins JB, et al. **J Infect Dis** 1983 Dec;148(6):1136–59 (170 ref.)

Waldenström's macroglobulinemia: report of a case with pulmonary involvement and recurrent pneumococcal sepsis after pneumococcal vaccination. King TE, et al. **J Natl Med Assoc** 1984 Feb;76(2):184–6, 189

Persistence of pneumococcal antibodies after immunization in patients with systemic lupus erythematosus. McDonald E, et al. **J Rheumatol** 1984 Jun;11(3):306–8

Response of traumatized splenectomized patients to immediate vaccination with polyvalent pneumococcal vaccine. Caplan ES, et al. **J Trauma** 1983 Sep;23(9):801–5

Leads from the MMWR. Update: pneumococcal polysaccharide vaccine usage--United States. **JAMA** 1984 Jun 15;251(23):3071–2, 3075

Avoidance of false-negative blood culture results by rapid detection of pneumococcal antigen. Fischer GW, et al. **JAMA** 1984 Oct 5;252(13):1742–3

Clinical trial of the protective role of polyvalent pneumococcal vaccine in sickle cell anaemia patients in Zambia. Chintu C, et al. **Med J Zambia** 1983 Jul;17(3):73–6

Antibody response to pneumococcal vaccine in patients with solid tumors and lymphomas. Shildt RA, et al. **Med Pediatr Oncol** 1983;11(5):305–9

Update: pneumococcal polysaccharide vaccine usage—United States. **MMWR** 1984 May 25;33(20):273–6, 281

A reassessment of pneumococcal vaccine. Austrian R. **N Engl J Med** 1984 Mar 8;310(10):651–3

Pneumococcal vaccine [letter] Lipsky BA, et al. **N Engl J Med** 1984 Jul 26;311(4):260–1

Pneumococcal serotype distribution and vaccine relevance [letter] Martin DR, et al. **NZ Med J** 1984 Jan 25;97(748):53

Pneumococcal vaccine: a tool for the evaluation of the B-cell function of the immune system. Schiffman G. **Proc Soc Exp Biol Med** 1983 Dec;174(3):309–15 (77 ref.)

In vitro plaque-forming cell responses induced by Streptococcus pneumoniae in humans. Beckmann E, et al. **Scand J Immunol** 1984 Jan;19(1):1–10

Possibilities of preventing otitis media by vaccination. Mäkelä PH, et al. **Scand J Infect Dis [Suppl]** 1983;39:34–8

Effect of pneumococcal vaccination on upper respiratory tract infections in children. Design of a follow-up study. Rosén C, et al. **Scand J Infect Dis [Suppl]** 1983;39:39–44

Some electron microscopy characteristics of lung immune response in the rats stimulated by respiratory and parenteral ways with pneumococcal suspensions. Gădăleanu V, et al. **Z Mikrosk Anat Forsch** 1983;97(5):873–85

[Soluble pneumococcal antigens in the diagnosis of pneumococcal infections] Bonmarchand G, et al. **LARC Med** 1984 May;4(5):281–3 (Eng. Abstr.) **(Fre)**

[Evaluation of antipneumococcal vaccination by epidemiologic surveillance of hospital infections: methods and results over a 2-year period] Ozenne GL, et al. **LARC Med** 1984 Feb;4(2):69–73 (Eng. Abstr.) **(Fre)**

[Pneumococcal vaccination in geriatrics] Wiedermann G. **Fortschr Med** 1984 Mar 29;102(12):333–5 (Eng. Abstr.) **(Ger)**

[Chemiluminescent measuring of whole blood for quantitative determination of the immune response to pneumococcal vaccination] Heberer M, et al. **Helv Chir Acta** 1984 Jun;51(2):283–6 (Eng. Abstr.) **(Ger)**

[Failure of pneumococcal vaccine to prevent pneumococcal meningitis] Aker M, et al. **Harefuah** 1983 Oct 2;105(7):164 (Eng. Abstr.) **(Heb)**

[Indirect immunofluorescence reaction of systemic and local humoral immunity in patients with inflammatory lung diseases. III. Secretory IgA antibodies to S. pneumoniae and H. influenzae autostrains] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):75–80 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Serotypes in pneumococcal disease. A ten year study in Australia 1970 through 1979. Hansman D. **Aust NZ J Med** 1983 Aug;13(4):359–64

Serogroups and serotypes of pneumococci in Montreal: correlations with age, outcome and indications for vaccination. Lamothe F, et al. **Can Med Assoc J** 1984 Mar 15;130(6):737–40

Trans-isolate medium: a new medium for primary culturing and transport of Neisseria meningitidis, Streptococcus pneumoniae, and Haemophilus influenzae. Ajello GW, et al. **J Clin Microbiol** 1984 Jul;20(1):55–8

Detection of Streptococcus pneumoniae in lower respiratory tract specimens by anaerobic culture technique. Baesman RK, et al. **J Clin Microbiol** 1984 Apr;19(4):550–1

Epidemiological studies of Streptococcus pneumoniae in infants: development of antibody to phosphocholine. Gray BM, et al. **J Clin Microbiol** 1983 Nov;18(5):1102–7

Comparison of counterimmunoelectrophoresis and latex particle agglutination in the detection of Streptococcus pneumoniae in blood cultures. Thompson WE, et al. **J Hosp Infect** 1983 Jun;4(2):165–71

Laboratory diagnosis of pneumonia due to Streptococcus pneumoniae. Perlino CA. **J Infect Dis** 1984 Jul; 150(1):139–44

Adult pneumococcal pneumonia in Papua New Guinea [letter] Gratten M, et al. **Med J Aust** 1984 Feb 18;140(4):244

Diagnosis of pneumococcal pneumonia: a comparison between microscopic examination of expectorate, antigen detection and cultural procedures. Kalin M, et al. **Scand J Infect Dis** 1983;15(3):247–55

[Defibrinated rabbit blood as a method of transport and

maintenance of Streptococcus pneumonia strains] Losito G, et al. **Ann Sclavo** 1982 Nov-Dec;24(6):695-6 **(Ita)**
[Isolation and serotyping of Streptococcus pneumoniae] Pasargiklian I, et al. **G Batteriol Virol Immunol** 1982 Jan-Jun;75(1-6):180-8 (Eng. Abstr.) **(Ita)**

METABOLISM

The contribution of leukocytes and bacteria to the low pH of empyema fluid. Sahn SA, et al. **Am Rev Respir Dis** 1983 Nov;128(5):811-5
Defective binding of the third component of complement (C3) to Streptococcus pneumoniae in multiple myeloma. Cheson BD, et al. **Blood** 1984 Apr;63(4):949-57
Production and release of peptidoglycan and wall teichoic acid polymers in pneumococci treated with beta-lactam antibiotics. Fischer H, et al. **J Bacteriol** 1984 Feb; 157(2):507-13
Attachment of pneumococcal autolysin to wall teichoic acids, an essential step in enzymatic wall degradation. Giudicelli S, et al. **J Bacteriol** 1984 Jun;158(3):1188-90
Molecular mechanisms of adhesion of Streptococcus pneumoniae to human oropharyngeal epithelial cells. Andersson B, et al. **Scand J Infect Dis [Suppl]** 1983;39:45-7

PATHOGENICITY

Effect of TEPC-183 plasmacytoma on resistance of passively or actively immunized BALB/c mice to infection with Streptococcus pneumoniae. Havas HF, et al. **Cancer Res** 1984 Aug;44(8):3299-302
[Role of Streptococcus pneumoniae and Haemophilus influenzae in the etiology of acute pneumonias in the elderly] Zubkov MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):67-70 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Attachment of Streptococcus pneumoniae to human pharyngeal epithelial cells in vitro—mechanism of binding. Andersson B, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):266-9
[Change in the active transport of amino acids during competence in Streptococcus pneumoniae] Trombe MC. **C R Seances Acad Sci [III]** 1983;297(8):427-9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

[Effect of culture conditions on the surface hydrophobic properties and adherence of streptococci] Tylewska S. **Med Dosw Mikrobiol** 1983;35(3-4):175-81 (Eng. Abstr.) **(Pol)**

STREPTOCOCCUS PYOGENES

Experimental uveitis. Elicited by peptidoglycan-polysaccharide complexes, lipopolysaccharide, and muramyl dipeptide. Fox A, et al. **Arch Ophthalmol** 1984 Jul;102(7):1063-7
Morphological changes and pathology of mouse glomeruli infected with a streptococcal L-form or exposed to lipoteichoic acid. Tomlinson K, et al. **Infect Immun** 1983 Dec;42(3):1144-51
Serum glucose agar, a transport medium for Streptococcus pyogenes. Perks EM, et al. **J Clin Pathol** 1984 Feb; 37(2):226-7

ANALYSIS

Surface characteristics of group A streptococci with and without M-protein. Miörner H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):23-30
M-type 57 group A streptococcus bacteriocin. Simpson WJ, et al. **Can J Microbiol** 1983 Oct;29(10):1445-51
Electron microscopic localization of receptors for aggregated beta 2-microglobulin on the surface of beta-hemolytic streptococci. Wagner M, et al. **Infect Immun** 1983 Oct; 42(1):326-32
Isolation and characterization of erythrogenic toxins. V. Communication: identity of erythrogenic toxin type B and streptococcal proteinase precursor. Gerlach D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2-3):221-33
[Isolation and characterization of erythrogenic toxins. VII. Study of the erythrogenic toxin type C produced by Streptococcus pyogenes] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):38-50 (Eng. Abstr.) **(Ger)**
[Determination of cell wall amino sugars in Streptococcus on a carbohydrate analyzer] Bitko SA, et al. **Prikl Biokhim Mikrobiol** 1984 Mar-Apr;20(2):285-9 (Eng. Abstr.) **(Rus)**
[Quantitative determination of the protein and carbohydrate polymers in the cell wall of Streptococcus group A] Savel'ev EP, et al. **Prikl Biokhim Mikrobiol** 1984 Jul-Aug; 20(4):473-9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Evaluation of the Culturette Brand Ten-Minute Group A Strep ID technique. Slifkin M, et al. **J Clin Microbiol** 1984 Jul;20(1):12-4
Serogrouping of beta-hemolytic streptococci from throat swabs with nitrous acid extraction and the Phadebact streptococcus test. Slifkin M, et al. **J Clin Microbiol** 1982 Jan;15(1):187-9
Evaluation of a typing scheme for group A streptococci based upon bacteriocin-like inhibitor production. Tagg JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):60-7

DRUG EFFECTS

In-vivo protection of group A beta-haemolytic streptococci from penicillin by beta-lactamase-producing Bacteroides species. Brook I, et al. **J Antimicrob Chemother** 1983 Dec; 12(6):599-606
[Serotyping and antibiotic susceptibility of group A hemolytic Streptococcus isolated in 1978-80: decline of erythromycin resistance] Fujita K, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):776-82 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Involvement of lactose enzyme II of the phosphotransferase system in rapid expulsion of free galactosides from Streptococcus pyogenes. Reizer J, et al. **J Bacteriol** 1983 Oct;156(1):236-42
Antideoxyribonuclease B distribution in healthy individuals. Igari J, et al. **Jpn Circ J** 1983 Nov;47(11):1287-9
ATP-dependent protein kinase-catalyzed phosphorylation of a seryl residue in HPr, a phosphate carrier protein of the phosphotransferase system in Streptococcus pyogenes. Deutscher J, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6790-4
[A sensitive method for determining the proteolytic activity in culture filtrates] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):229-33 (Eng. Abstr.) **(Ger)**

GENETICS

The genetic control of virulence in group A streptococci. III. Plasmid-induced 'switch-off'—effect on some pathogenic properties. Ravdonikas LE, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):65-9
Cloning and expression in Escherichia coli of the streptolysin O determinant from Streptococcus pyogenes: characterization of the cloned streptolysin O determinant and demonstration of the absence of substantial homology with determinants of other thiol-activated toxins. Kehoe M, et al. **Infect Immun** 1984 Mar;43(3):804-10
Induction of human gamma interferon by structurally defined polypeptide fragments of group A streptococcal M protein. Weigent DA, et al. **Infect Immun** 1984 Jan;43(1):122-6
Group A streptococcal phage T12 carries the structural gene for pyrogenic exotoxin type A. Johnson LP, et al. **MGG** 1984;194(1-2):52-6
Translocation of antibiotic resistance markers of a plasmid-free Streptococcus pyogenes (group A) strain into different streptococcal hemolysin plasmids. Le Bouguenec C, et al. **MGG** 1984;194(3):377-87

GROWTH & DEVELOPMENT

Interference of alpha-hemolytic streptococci isolated from tonsillar surface on beta-hemolytic streptococci (Streptococcus pyogenes)—a methodological study. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):459-68
[The role of normal flora of the respiratory tract in infections caused by beta-hemolytic group A Streptococci] Milić B, et al. **Srp Arh Celok Lek** 1983 Jun;111(6):761-8 (Eng. Abstr.) **(Scc)**

IMMUNOLOGY

Rheumatic fever and the streptococcus. Another look at molecular mimicry. Williams RC Jr. **Am J Med** 1983 Nov; 75(5):727-30
The pathogenesis of group A streptococcal cell wall-induced polyarthritis in the rat. Comparative studies in arthritis resistant and susceptible inbred rat strains. Wilder RL, et al. **Arthritis Rheum** 1983 Dec;26(12):1442-51
Antipolysaccharide group-specific antibodies of Streptococcus pyogenes in children. Razon Veronesi S. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):433-44
Antibody to streptococcal cell wall peptidoglycan-polysaccharide polymers in seropositive and seronegative rheumatic disease. Johnson PM, et al. **Clin Exp Immunol** 1984 Jan;55(1):115-24
Modulation of human lymphocyte functions by group A streptococci. Gross WL, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):234-47
Assay of type-specific M antigens on whole group A streptococci. Miörner H, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):14-8
Cutaneous inflammatory reactions to group A streptococcal cell wall fragments in Fisher and Lewis inbred rats. Allen JB, et al. **Infect Immun** 1983 Nov;42(2):796-801
Study of heart-reactive antibody in antisera and hybridoma culture fluids against group A streptococci. Cunningham MW, et al. **Infect Immun** 1983 Nov;42(2):531-8
Interaction of group A streptococcal peptidoglycan polysaccharide with human polymorphonuclear leukocytes: implications for pathogenesis of chronic inflammation. Leong PA, et al. **Infect Immun** 1984 Jul; 45(1):160-5
Group A streptococcal peptidoglycan-polysaccharide inhibits phagocytic activity of human polymorphonuclear leukocytes. Leong PA, et al. **Infect Immun** 1984 Aug; 45(2):378-83
Repeating covalent structure and protective immunogenicity of native and synthetic polypeptide fragments of type 24 streptococcal M protein. Mapping of protective and nonprotective epitopes with monoclonal antibodies. Beachey EH, et al. **J Biol Chem** 1983 Nov 10; 258(21):13250-7
The complete amino acid sequence of a biologically active 197-residue fragment of M protein isolated from type 5 group A streptococci. Manjula BN, et al. **J Biol Chem** 1984 Mar 25;259(6):3686-93
Assay of antibody to group A streptococcal carbohydrate by enzyme-linked immunosorbent assay. Barrett DJ, et al. **J Clin Microbiol** 1983 Sep;18(3):622-7
Rapid diagnosis of group A streptococcal antigen extracted directly from swabs by an enzymatic procedure and used to detect pharyngitis. Otero JR, et al. **J Clin Microbiol** 1983 Aug;18(2):318-20
Common protective antigens of group A streptococcal M proteins masked by fibrinogen. Whitnack E, et al. **J Exp Med** 1984 Apr 1;159(4):1201-12
Suppression of cellular reactivity to group A streptococcal antigens in patients with acute poststreptococcal glomerulonephritis. Reid HF, et al. **J Infect Dis** 1984 Jun; 149(6):841-50
Annual changes of upper limit of ASO titer in school children. Fujikawa S, et al. **Jpn Circ J** 1983 Nov; 47(11):1290-2
Anti-streptococcal cell membrane and anti-human glomerular basement membrane titers in sera of patients with poststreptococcal acute glomerulonephritis and anaphylactoid purpura. Okuhara K, et al. **Jpn Circ J** 1983 Nov;47(11):1293-7
Studies related to the pathogenesis of rheumatic fever. Williams RC Jr. **Trans Stud Coll Physicians Phila** 1984 Jun; 6(2):125-37
Isolation and immunochemical characterization of carbohydrate antigens prepared from group A Streptococcus pyogenes. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):37-48
Purification and characterization of erythrogenic toxins of Streptococcus pyogenes. VI. Mitogenic activity of isoelectrically focused erythrogenic toxin preparations and culture supernatants of group A streptococci. Knöll H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):49-60
Morphological evidence for different types of IgG-Fc receptors in group A streptococci. Wagner B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):61-71
[Antibody formation in rabbits after vaccination with Streptococcus pyogenes cultured in the presence of subinhibitory concentrations of erythromycin] Ferne M, et al. **Pathol Biol (Paris)** 1984 May;32(5):369-71 (Eng. Abstr.) **(Fre)**
[Stimulation of human and bovine lymphocytes by various Streptococcus species] Hahn G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2-3):214-20 (Eng. Abstr.) **(Ger)**
[Studies on in vitro lymphocyte transformation test to C-polysaccharide of group A streptococci] Takizawa Y, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1052-9 (Eng. Abstr.) **(Jpn)**
[Determination of agglutinin titer to group A streptococcal cells in sera of healthy school children: comparison of trypsin- and pepsin-digested bacterial cells with ASP reagent] Yoshihara K, et al. **Kansenshogaku Zasshi** 1983 Dec;57(12):1091-4 (Eng. Abstr.) **(Jpn)**
[Studies on the measurement of antibody against an extracellular protein associated with nephritogenic streptococci by using the enzyme-linked immunosorbent assay (ELISA)] Quan JW, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):339-45 (Eng. Abstr.) **(Jpn)**
[Free and bound antigen of Streptococcus group A L forms and the circulating immune complex level of erysipelas patients] Gorina LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):106-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Throat cultures for group A beta-hemolytic Streptococcus. Importance of anaerobic incubation. Belli DC, et al. **Am J Dis Child** 1984 Mar;138(3):274-6
Primary plate identification of group A Streptococcus on a selective medium. Efficiency in an office practice. Roe MH, et al. **Am J Dis Child** 1984 Jun;138(6):589-91
Diagnosis complicated by group A streptococcus. Maehara KT, et al. **Am J Med Technol** 1983 Dec;49(12):876-8
Effects of trimethoprim-sulfamethoxazole and incubation atmosphere on isolation of group A streptococci. Libertin CR, et al. **J Clin Microbiol** 1983 Sep;18(3):680-2
Erythromycin resistant Streptococcus pyogenes in Cambridge [letter] Walker M, et al. **J Infect** 1984 Jan; 8(1):88-9
Erythromycin resistant Streptococcus pyogenes in

Merseyside [letter] Youngs ER. **J Infect** 1984 Jan;8(1):86–7
Evaluation of aerobic and anaerobic methods for recovery of streptococci from throat cultures. Randolph MF, et al. **J Pediatr** 1984 Jun;104(6):897–9
Acute tonsillitis in children: microbial pathogens in relation to age. Douglas RM, et al. **Pathology** 1984 Jan;16(1):79–82
Pharyngeal carriage of group A beta-haemolytic streptococci in coloured and Indian schoolchildren. Ransome OJ, et al. **S Afr Med J** 1983 Nov 5;64(20):779–81

METABOLISM

Demonstration of a receptor for mouse and human serum albumin in Streptococcus pyogenes. Widebäck K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):373–82
Mechanism of inducer expulsion in Streptococcus pyogenes: a two-step process activated by ATP. Reizer J, et al. **J Bacteriol** 1983 Oct;156(1):354–61
Fibronectin binding to a Streptococcus pyogenes strain. Speziale P, et al. **J Bacteriol** 1984 Feb;157(2):420–7
Streptococcal hyaluronic acid: proposed mechanisms of degradation and loss of synthesis during stationary phase. van de Rijn I. **J Bacteriol** 1983 Dec;156(3):1059–65
Binding of Streptococcus pyogenes to laminin. Switalski LM, et al. **J Biol Chem** 1984 Mar 25;259(6):3734–8
Production of bacteriocin-like inhibitors by group A streptococci of nephritogenic M types. Tagg JR. **J Clin Microbiol** 1984 Jun;19(6):884–7
Streptococcus pyogenes streptolysin O as a cause of false-positive CAMP reactions. Tapsall JW, et al. **J Clin Microbiol** 1984 Apr;19(4):534–7
Stabilization and polysaccharide storage in group A Streptococcus pyogenes. McFarland CR, et al. **Microbios** 1984;39(155):7–17
On the interaction between beta 2-microglobulin and group A streptococci. Björck L, et al. **Scand J Immunol** 1984 Jul;20(1):69–79

PATHOGENICITY

Attachment of Streptococcus pyogenes to mammalian cells. Beachey EH, et al. **Rev Infect Dis** 1983 Sep-Oct;5 Suppl 4:S670–7 (52 ref.)
Small DNA deletions creating avirulence in Streptococcus pyogenes. Spanier JG, et al. **Science** 1984 Aug 31; 225(4665):935–8

PHYSIOLOGY

Interbacterial adherence between Actinomyces viscosus and strains of Streptococcus pyogenes, Streptococcus agalactiae, and Pseudomonas aeruginosa. Komiyama K, et al. **Infect Immun** 1984 Apr;44(1):86–90
[Streptococcus group A L-form survival in mouse peritoneal macrophages] Neustroeva VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):45–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Effect of culture conditions on the surface hydrophobic properties and adherence of streptococci] Tylewska S. **Med Dosw Mikrobiol** 1983;35(3-4):175–81 (Eng. Abstr.) **(Pol)**
[Isolation and study of the properties of Streptococcus pyogenes ribosomes] Nikolaeva LV, et al. **Mol Biol (Mosk.)** 1983 Sep-Oct;17(5):1068–76 (Eng. Abstr.) **(Rus)**

STREPTOCOCCUS SANGUIS

ANALYSIS

Cell-free released components of Streptococcus sanguis inhibit human platelet aggregation. Herzberg MC, et al. **Infect Immun** 1983 Oct;42(1):394–401

CLASSIFICATION

Neuraminidase activity: a biochemical marker to distinguish Streptococcus mitis from Streptococcus sanguis. Murray PA, et al. **J Dent Res** 1984 Feb;63(2):111–3

DRUG EFFECTS

Resistance in oral streptococci after repeated two-dose amoxycillin prophylaxis. Southall PJ, et al. **J Antimicrob Chemother** 1983 Aug;12(2):141–6

ENZYMOLOGY

Surface-located trypsin-activated Streptococcus sanguis strain Wicky endonuclease. Kawczyński M, et al. **Acta Microbiol Pol** 1983;32(3):221–30
Inactivation and stabilization of IgA protease from the human oral bacterium Streptococcus sanguis. Lindler LE, et al. **Arch Oral Biol** 1983;28(10):977–9
The origin and composition of multiple forms of dextransucrase from Streptococcus sanguis. Grahame DA, et al. **Biochim Biophys Acta** 1984 Apr 27;786(1-2):42–8
Phosphoenolpyruvate-dependent phosphorylation of alpha-methylglucoside in Streptococcus sanguis ATCC 10556. Vadeboncoeur C, et al. **Can J Microbiol** 1983 Jul; 29(7):833–6
Competent antigen-binding fragments (Fab) from secretory immunoglobulin A using Streptococcus sanguis immunoglobulin A protease. Mallett CP, et al. **Caries Res** 1984;18(3):201–8
Effects of local immunization of hamsters with glucosyltransferase antigens on infection with Streptococcus sanguis. Smith DJ, et al. **Infect Immun** 1983 Oct;42(1):156–62
A neuraminidase from Streptococcus sanguis that can release O-acetylated sialic acids. Varki A, et al. **J Biol Chem** 1983 Oct 25;258(20):12465–71
Inhibition of the synthesis and secretion of extracellular glucosyl- and fructosyltransferase in Streptococcus sanguis by sodium ions. Keevil CW, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):77–82
Inhibition of microbial IgA proteases by human secretory IgA and serum. Gilbert JV, et al. **Mol Immunol** 1983 Sep; 20(9):1039–49
[Immunoglobulin A protease secretion in Streptococcus sanguis accelerated by Actinomyces viscosus] Saito Y. **Kokubyo Gakkai Zasshi** 1983 Sep;50(3):485 **(Jpn)**

GENETICS

Detection of streptococcal mutants presumed to be defective in sugar catabolism. Feary TW, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1348–51
Implantation of transformant strains of the bacterium Streptococcus sanguis into adult human mouths. Westergren G, et al. **Arch Oral Biol** 1983;28(8):729–33
Local anesthetics block transient expression of inducible functions for transformation in Streptococcus sanguis. Raina JL. **J Bacteriol** 1983 Oct;156(1):450–4

GROWTH & DEVELOPMENT

Interference of alpha-hemolytic streptococci isolated from tonsillar surface on beta-hemolytic streptococci (Streptococcus pyogenes)--a methodological study. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):459–68

IMMUNOLOGY

Immunochemical comparison of cell-wall antigens of various viridans streptococci, including strain 2A2+3 hot from recurrent oral aphthous ulceration in man. Hoover CI, et al. **Arch Oral Biol** 1983;28(10):917–22
Purification and immunochemical characterization of Streptococcus sanguis ATCC 10557 serotype II carbohydrate antigen. Koga T, et al. **Infect Immun** 1983 Nov;42(2):696–700
Group A streptococcal peptidoglycan-polysaccharide inhibits phagocytic activity of human polymorphonuclear leukocytes. Leong PA, et al. **Infect Immun** 1984 Aug; 45(2):378–83
Aggregation of Streptococcus sanguis by a neuraminidase-sensitive component of serum and crevicular fluid. Morris EJ, et al. **Infect Immun** 1983 Dec; 42(3):1073–80

ISOLATION & PURIFICATION

Streptococcus mutans and Streptococcus sanguis in plaque from orthodontic bands and brackets. Svanberg M, et al. **Eur J Orthod** 1984 May;6(2):132–6
Optimization of an hydroxyapatite adhesion assay for Streptococcus sanguis. Eifert R, et al. **Infect Immun** 1984 May;44(2):287–91

METABOLISM

Heterofermentative glucose metabolism by glucose transport-impaired mutants of oral streptococcal bacteria during growth in batch culture. Vadeboncoeur C, et al. **Arch Oral Biol** 1983;28(10):931–7
Association of neuraminidase-sensitive receptors and putative hydrophobic interactions with high-affinity binding sites for Streptococcus sanguis C5 in salivary pellicles. Gibbons RJ, et al. **Infect Immun** 1983 Dec; 42(3):1006–12
Adherence of Streptococcus sanguis to saliva-coated hydroxyapatite: evidence for two binding sites. Morris EJ, et al. **Infect Immun** 1984 Feb;43(2):656–63
Regulation of glucose metabolism in oral streptococci through independent pathways of glucose 6-phosphate and glucose 1-phosphate formation. Keevil CW, et al. **J Bacteriol** 1984 Feb;157(2):560–7

PHYSIOLOGY

An in-vitro study of the role of sucrose and interactions between oral bacteria in possible mechanisms of dental plaque formation. Adshead VM, et al. **Arch Oral Biol** 1983; 28(8):723–7
Inhibition of bacterial aggregation by serum- and blood-derived proteins. Malamud D, et al. **Infect Immun** 1984 Jan;43(1):386–90
Factors involved in artificial caries induction by oral streptococci in extracted human teeth. Kaufman HW, et al. **J Dent Res** 1984 May;63(5):653–7

ULTRASTRUCTURE

Protoplast and cytoplasmic membrane preparations from Streptococcus sanguis and Streptococcus mutans. Schöller M, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3271–9

STREPTODORNASE see DEOXYRIBONUCLEASES

STREPTODORNASE AND STREPTOKINASE

DIAGNOSTIC USE

[Significance of the reactivity to tuberculin, streptokinase and streptodornase in atopic dermatitis] Silny W, et al. **Przegl Dermatol** 1983 May-Jun;70(3):249–52 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Enzymatic debridement of wounds. Comparison of 2 commercial preparations] Stüwe U. **Fortschr Med** 1983 Nov 3;101(41):1883–8 (Eng. Abstr.) **(Ger)**

STREPTOGRAMINS see VIRGINIAMYCINS

STREPTOKINASE

see related
STREPTODORNASE AND STREPTOKINASE

The role of the lysine binding sites of human plasminogen in the fibrinogen stimulated rate of active site formation in the streptokinase-plasminogen equimolar complex. Smith JH, et al. **Thromb Res** 1984 Jun 15;34(6):499–506

ADMINISTRATION & DOSAGE

A modified technique for infusion of low-dose streptokinase into the lower extremities. Pilla T, et al. **AJR** 1984 Jun; 142(6):1213–4
Low-dose streptokinase for occluded Hickman catheters. Zajko AB, et al. **AJR** 1983 Dec;141(6):1311–2
Clearing of clotted dialysis shunts by streptokinase injection at multiple sites. Zeit RM. **AJR** 1983 Nov;141(5):1053–4
Intracoronary streptokinase in evolving acute myocardial infarction. Feldman RL, et al. **Am Heart J** 1984 Apr; 107(4):823–5
Percutaneous transluminal coronary angioplasty with and without thrombolytic therapy for treatment of acute myocardial infarction. Hartzler GO, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):965–73
Role of coronary artery bypass surgery after intracoronary streptokinase infusion for myocardial infarction. Walker WE, et al. **Am Heart J** 1984 Apr;107(4):826–9
Randomized comparison of intravenous versus intracoronary streptokinase for myocardial infarction. Alderman EL, et al. **Am J Cardiol** 1984 Jul 1;54(1):14–9
A randomized, angiographically controlled trial of intracoronary streptokinase in acute myocardial infarction. Leiboff RH, et al. **Am J Cardiol** 1984 Feb 1;53(4):404–7
Thrombolysis in acute myocardial infarction: effect of intravenous followed by intracoronary streptokinase application on estimates of infarct size. Schwarz F, et al. **Am J Cardiol** 1984 Jun 1;53(11):1505–10
Coronary thrombolysis by intravenous streptokinase in acute myocardial infarction: acute and follow-up studies. Spann JF, et al. **Am J Cardiol** 1984 Mar 1;53(6):655–61
Intravenous versus intracoronary streptokinase therapy for acute myocardial infarction in community hospitals. Taylor GJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):256–60
Burst therapy. A method of administering fibrinolytic agents. Persson AV, et al. **Am J Surg** 1984 Apr;147(4):531–6
Intraarterial streptokinase infusion for acute popliteal and tibial artery occlusion. Taylor LM Jr, et al. **Am J Surg** 1984 May;147(5):583–8
Intravenous streptokinase infusion in acute myocardial infarction with electrocardiographic monitoring for myocardial reperfusion. Oldham JT, et al. **Ann Emerg Med** 1984 Apr;13(4):284–6
Intracoronary thrombolysis in the treatment of acute myocardial infarction. Essinger A, et al. **Ann Radiol (Paris)** 1984 Apr-May;27(4):346–8
Emergency angiography and intracoronary selective thrombolysis in acute myocardial infarction. Müller JH, et al. **Ann Radiol (Paris)** 1984 Apr-May;27(4):343–4
Intra-arterial thrombolysis in peripheral acute ischemia. Struyven J, et al. **Ann Radiol (Paris)** 1984 Apr-May; 27(4):341–2
Low-dose streptokinase in the treatment of celiac and superior mesenteric artery occlusion. Pillari G, et al. **Arch Surg** 1983 Nov;118(11):1340–2
Role of intra-arterial streptokinase in treatment of arterial thromboembolism. Wolfson RH, et al. **Arch Surg** 1984 Jun; 119(6):697–702
The use of intracoronary and intravenous streptokinase in an acute myocardial infarction. Experience from two community hospitals. Gann D, et al. **Ariz Med** 1984 Jun; 41(6):373–9
Intraarterial infusion of low-dose streptokinase after acute thromboembolization of the right renal artery. Contractor FM, et al. **Cardiovasc Intervent Radiol** 1984;7(1):21–3
Angioplasty with streptokinase infusion of a totally occluded Dacron femoropopliteal graft. Galichia JP, et al. **Cardiovasc Intervent Radiol** 1984;7(1):18–20
Treatment of acute embolus of the superior mesenteric artery by topical infusion of streptokinase. Vujic I, et al. **Cardiovasc Intervent Radiol** 1984;7(2):94–6
Prospective randomized trial of intravenous and intracoronary streptokinase in acute myocardial infarction.

Rogers WJ, et al. **Circulation** 1983 Nov;68(5):1051–61

Hemorrhage and the products of fibrinogen digestion after intracoronary administration of streptokinase. Timmis GC, et al. **Circulation** 1984 Jun;69(6):1146–52

High dose intravenous streptokinase in acute myocardial infarction. Neuhaus KL, et al. **Clin Cardiol** 1983 Sep; 6(9):426–34

Thrombolytic therapy for acute myocardial infarction. Missri J, et al. **Conn Med** 1983 Oct;47(10):610–4

A new therapeutic approach in fibrinolytic therapy: intracoronary streptokinase. Missri JC, et al. **Heart Lung** 1984 Mar;13(2):177–82

Intravenous short-term infusion of streptokinase in acute myocardial infarction. Schröder R. **Int J Cardiol** 1984 May; 5(5):631–7

Local installation of small doses of streptokinase for treatment of thrombotic occlusions of long-term access catheters. Rubin RN. **J Clin Oncol** 1983 Sep;1(9):572–3

Streptokinase still lysing coronary clots [news] Gunby P. **JAMA** 1983 Nov 25;250(20):2744–5

Intracoronary streptokinase for myocardial infarction [letter] **N Engl J Med** 1984 May 3;310(18):1186–7

Western Washington randomized trial of intracoronary streptokinase in acute myocardial infarction. Kennedy JW, et al. **N Engl J Med** 1983 Dec 15;309(24):1477–82

Intracoronary streptokinase for acute coronary-artery dissection [letter] Vacek JL, et al. **N Engl J Med** 1984 May 3;310(18):1187

Catheter-directed low dose streptokinase infusion: a preliminary experience. Risius B, et al. **Radiology** 1984 Feb; 150(2):349–55

Streptokinase and transluminal angioplasty in the treatment of acutely thrombosed hemodialysis access fistulas. Rodkin RS, et al. **Radiology** 1983 Nov;149(2):425–8

Low-dose fibrinolytic therapy in hand ischemia. Tisnado J, et al. **Radiology** 1984 Feb;150(2):375–82

Thrombolysis by intracoronary streptokinase infusion in patients with acute ischaemic syndromes. Marx JD, et al. **S Afr Med J** 1984 Mar 17;65(11):414–8

Low-dose streptokinase therapy for subclavian vein thrombosis. Appleby DH, et al. **South Med J** 1984 Apr; 77(4):536–7

Lysis of arterial clot by intravenous or intra-arterial administration of streptokinase. Dardik H, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):137–40

Systemic fibrinolytic activity and inhibitor levels during treatment of deep vein thrombosis with urokinase and streptokinase. Theiss W, et al. **Thromb Haemost** 1983 Oct 31;50(3):664–8

Controlled multicenter pilot study of urokinase- heparin and streptokinase in deep vein thrombosis. van de Loo JC, et al. **Thromb Haemost** 1983 Oct 31;50(3):660–3

Intracoronary streptokinase in acute myocardial infarction (a case study). Shehl GW, et al. **W Va Med J** 1984 Feb; 80(2):29–32

[Overall assessment of the results of intravenous and intracoronary infusion of streptokinase in acute myocardial infarct] Tomov I. **Vutr Boles** 1984;23(2):12–21 (63 ref.) **(Bul)**

[In loco fibrinolytic treatment of acute ischemia of the lower limbs] Delcour C, et al. **J Mal Vasc** 1984;9(2):129–32 (Eng. Abstr.) **(Fre)**

[A patient treated with intravenous fibrinolysis and percutaneous transluminal angioplasty following myocardial infarct] Dubois C, et al. **Rev Med Liege** 1983 Nov 15;38(22):848–54 **(Fre)**

[Regional lytic therapy of acute renal artery obstruction (letter)] Karnik R, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):356–7 **(Ger)**

[Local streptokinase thrombolysis in a Cimino shunt thrombosis] Minar E, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1884–5 (Eng. Abstr.) **(Ger)**

[Local thrombolytic therapy of arterial occlusions in various circulatory areas] Thiele C, et al. **MMW** 1984 Jan 6; 126(1):7–12 (Eng. Abstr.) **(Ger)**

[Recanalization of an occluded renal artery by local thrombolysis and transluminal dilatation] Persigehl M, et al. **ROFO** 1983 Nov;139(5):571–2 **(Ger)**

[Intracoronary streptokinase therapy in recent myocardial infarct. Results in patients with pain lasting less than 3 hours] Leisch F, et al. **Wien Klin Wochenschr** 1983 Jun 24;95(13):435–9 (Eng. Abstr.) **(Ger)**

[Local or systemic fibrinolysis in acute myocardial infarct?] van de Loo J. **Wien Klin Wochenschr** 1983 Jun 24; 95(13):433–4 **(Ger)**

[Effect of colchicine and streptokinase therapy on Budd-Chiari syndrome in Behçet's disease] Varon D, et al. **Harefuah** 1983 Feb 1;104(3):91–2 (Eng. Abstr.) **(Heb)**

[Selective thrombolytic patency of the coronary arteries in patients with acute myocardial infarction] Ekha IaE, et al. **Kardiologiia** 1983 Sep;23(9):9–12 (Eng. Abstr.) **(Rus)**

[Fibrinolytic therapy and mechanical restoration of patency of the coronary arteries in acute myocardial infarction] Komarov BD, et al. **Kardiologiia** 1983 Sep;23(9):12–5 (Eng. Abstr.) **(Rus)**

[Intra-arterial transcatheteral infusion therapy] Rabkin IKh, et al. **Sov Med** 1983;(7):69–74 (60 ref.) **(Rus)**

[Streptodecase in the treatment of retinal vein thromboses] Katsnel'son LA, et al. **Vestn Oftalmol** 1983 Sep-Oct; (5):60–3 (Eng. Abstr.) **(Rus)**

[Comparison of intracoronary versus intravenous streptokinase administration as a fibrinolytic in the first hours of acute myocardial infarction (editorial)] Escudero de la Peña J. **Arch Inst Cardiol Mex** 1984 May-Jun; 54(3):225–6 **(Spa)**

[Intravenous streptokinase in acute myocardial infarct] Ryttberg B, et al. **Lakartidningen** 1984 Jun 27; 81(26–27):2600–3 **(Swe)**

ADVERSE EFFECTS

Visceral embolization during low-dose fibrinolysis of aortic graft occlusion. Wood WA, et al. **AJR** 1983 Nov; 141(5):1055–6

Streptokinase-induced hepatic dysfunction [letter] Schmidt E, et al. **Am J Gastroenterol** 1984 Apr;79(4):328–9

Streptokinase and the Guillain-Barré syndrome [letter] Leaf DA, et al. **Ann Intern Med** 1984 Apr;100(4):617

Spontaneous mediastinal hemorrhage [letter] Mazziotti A. **Arch Intern Med** 1983 Dec;143(12):2333

Hemorrhagic myocardial infarction after streptokinase treatment for acute coronary thrombosis. Kao KJ, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):121–4

Major hemorrhage following administration of intrapleural streptokinase. Godley PJ, et al. **Chest** 1984 Sep;86(3):486–7

Anaphylactic reactivity to streptokinase. McGrath KG, et al. **JAMA** 1984 Sep 14;252(10):1314–7

Low-dose streptokinase for selective thrombolysis: systemic effects and complications. Graor RA, et al. **Radiology** 1984 Jul;152(1):35–9

Effects of streptokinase on blood specimens used for compatibility testing [letter] Vayntrub TA, et al. **Transfusion** 1983 Sep-Oct;23(5):405–6

[Hemopericardium after coronary recanalization with streptokinase in the acute phase of myocardial infarction. Drainage and early aortocoronary bypass on the 4th day] Valeix B, et al. **Arch Mal Coeur** 1983 Sep;76(9):1081–4 (Eng. Abstr.) **(Fre)**

GENETICS

Streptokinase: cloning, expression, and excretion by Escherichia coli. Malke H, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3557–61

METABOLISM

[Pharmacokinetics of 131I-streptokinase] Klöcking HP, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):54–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

No electrical instability after intracoronary streptokinase administered into sinus node or AV node of dogs. Epstein AE, et al. **Am Heart J** 1984 May;107(5 Pt 1):902–5

Thrombolytic effects of intracoronary streptokinase on canine coronary artery thrombosis. Fiedler VB. **Basic Res Cardiol** 1984 Jan-Feb;79(1):17–26

Beneficial effects of streptokinase on left ventricular function after myocardial reoxygenation and reperfusion following global ischemia in the isolated rabbit heart. Fung AY, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):429–35

Comparison of efficacy of thrombolysin, streptokinase, and urokinase in a femoral vein clot model in rats. Cooley BC, et al. **Microsurgery** 1983;4(1):1–4

THERAPEUTIC USE

Streptokinase thrombolysis for acute myocardial infarction in young adults with normal coronary arteries. Anderson JL, et al. **Am Heart J** 1983 Dec;106(6):1437–8

Successful streptokinase therapy of prosthetic aortic valve thrombosis. Draur RA. **Am Heart J** 1984 Sep;108(3 Pt 1):605–6

Intracoronary thrombolysis for acute myocardial infarction late after bypass surgery: value of lead V4R. Braat SH, et al. **Am J Cardiol** 1984 Feb 1;53(4):637–9

Thrombolysis of acute total occlusion of the left main coronary artery in evolving myocardial infarction. de Feyter PJ, et al. **Am J Cardiol** 1984 Jun 1;53(11):1727–8

Effect of early systemic thrombolytic therapy on left ventricular mural thrombus formation in acute anterior myocardial infarction. Eigler N, et al. **Am J Cardiol** 1984 Aug 1;54(3):261–3

Clinical value of intracoronary streptokinase. Furberg CD. **Am J Cardiol** 1984 Feb 1;53(4):626–7

Intravenous streptokinase in evolving acute myocardial infarction. Ganz W, et al. **Am J Cardiol** 1984 May 1; 53(9):1209–16

Combined intracoronary streptokinase infusion and coronary angioplasty during acute myocardial infarction. Gold HK, et al. **Am J Cardiol** 1984 Jun 15;53(12):122C–125C

Extensive myocardial salvage and reversal of cardiogenic shock after reperfusion of the left main coronary artery by intravenous streptokinase. Lew AS, et al. **Am J Cardiol** 1984 Aug 1;54(3):450–2

Necropsy evaluation in seven patients with evolving acute myocardial infarction treated with thrombolytic therapy. Mattfeldt T, et al. **Am J Cardiol** 1984 Sep 1;54(6):530–4

The use of streptokinase to treat renal artery thromboembolism. Steckel A, et al. **Am J Kidney Dis** 1984 Sep;4(2):166–70

Pooled analyses of randomized trials of streptokinase and heparin in phlebographically documented acute deep venous thrombosis. Goldhaber SZ, et al. **Am J Med** 1984 Mar;76(3):393–7

Acute renal failure, hypertension and skin necrosis in a patient with streptokinase therapy [clinical conference] Glassock RJ, et al. **Am J Nephrol** 1984 May-Jun;4(3):193–200

Local low-dose streptokinase thrombolysis of a thrombosed arteriovenous fistula [letter] Minar E, et al. **Am J Nephrol** 1984 Jan-Feb;4(1):66–7

Improved patient selection for enzymatic lysis of peripheral arterial and graft occlusions. Sussman B, et al. **Am J Surg** 1984 Aug;148(2):244–8

Streptokinase salvage of renal function after renal vein thrombosis. Burrow CR, et al. **Ann Intern Med** 1984 Feb; 100(2):237–8

Combined PTA and low-dose transcatheter fibrinolysis in PTA-induced complications and in arterial thrombosis. Weber J, et al. **Ann Radiol (Paris)** 1984 Apr-May; 27(4):334–9

Low dose topical streptokinase in the treatment of arterial embolization. Young JW, et al. **Ann Radiol (Paris)** 1984 Apr-May;27(4):324–6

Interventional coronary arteriography. Kennedy JW, et al. **Annu Rev Med** 1984;35:513–34 (59 ref.)

Fibrinolytic therapy for bilateral renal vein thrombosis. Crowley JP, et al. **Arch Intern Med** 1984 Jan;144(1):159–60

Venous thrombosis as a cause of superior vena cava syndrome. Rapid response to streptokinase. Katz PO, et al. **Arch Intern Med** 1983 May;143(5):1050–2

Intracoronary thrombolysis in evolving myocardial infarction. Sequential angiographic analysis of left ventricular performance. Cribier A, et al. **Br Heart J** 1983 Nov;50(5):401–10

Subclavian-axillary vein thrombosis: successful treatment with streptokinase. Wilson JJ, et al. **Can Med Assoc J** 1984 Apr 1;130(7):891–3

Reduction of infarct size with thrombolytic agents. Urban P, et al. **Cardiovasc Clin** 1983;14(1):203–15 (44 ref.)

Streptokinase thrombolysis of a chronically thrombosed mitral prosthetic valve. Gagnon RM, et al. **Cathet Cardiovasc Diagn** 1984;10(1):5–10

Rethrombosis after reperfusion with streptokinase: importance of geometry of residual lesions. Harrison DG, et al. **Circulation** 1984 May;69(5):991–9

The effect of streptokinase on intramyocardial hemorrhage, infarct size, and the no-reflow phenomenon during coronary reperfusion. Kloner RA, et al. **Circulation** 1984 Sep;70(3):513–21

Improvement of regional myocardial metabolism after coronary thrombolysis induced with tissue-type plasminogen activator or streptokinase. Sobel BE, et al. **Circulation** 1984 May;69(5):983–90

Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase. Tennant SN, et al. **Circulation** 1984 Apr; 69(4):756–60

Recent advances using streptokinase for acute coronary thrombosis. Udall JA. **Clin Cardiol** 1984 Mar;7(3):138–47 (35 ref.)

Activities of some enzymes in serum after therapy with intracoronary streptokinase in acute myocardial infarction. Kwong TC, et al. **Clin Chem** 1984 May;30(5):731–4

Combined use of selective intracoronary thrombolysis and percutaneous transluminal coronary angioplasty for the treatment of coronary obstruction. Keltai M, et al. **Cor Vasa** 1984;26(1):56–60

Thrombolytic therapy of acute myocardial infarction. Little WC. **Curr Probl Cardiol** 1983 Dec;8(9):1–47

Medical grand rounds: regional streptokinase therapy for arterial occlusion. Oglesby JT, et al. **Del Med J** 1984 May; 56(5):271–9

Thrombolytic agents in evolving MI. **FDA Drug Bull** 1984 Apr;14(1):4–5

Streptokinase therapy in acute myocardial infarction. Nissen MB. **Heart Lung** 1984 May;13(3):223–30 (25 ref.)

Thrombolytic therapy in the management of acute evolving myocardial infarction [letter] Lang DM, et al. **Henry Ford Hosp Med J** 1983;31(3):184–5

Streptokinase for deep venous thrombosis. Lesser B, et al. **Henry Ford Hosp Med J** 1984;32(1):75

Intracoronary streptokinase in acute evolving myocardial infarction: you can, but should you? de Feyter PJ. **Int J Cardiol** 1984 Jul;6(1):103–12

Value of intravenous streptokinase in acute myocardial infarction. Roberts R, et al. **Int J Cardiol** 1984 May; 5(5):637–41

Patterns of creatine kinase release during acute myocardial infarction after nonsurgical reperfusion: comparison with conventional treatment and correlation with infarct size. Blanke H, et al. **J Am Coll Cardiol** 1984 Mar;3(3):675–80

Intracoronary thrombolysis with an acylated streptokinase-plasminogen activator (BRL 26921) in patients with acute myocardial infarction. Kasper W, et al. **J Am Coll Cardiol** 1984 Aug;4(2):357–63

Clinical failure of streptokinase due to an unsuspected high titer of antistreptokinase antibody. Lew AS, et al. **J Am Coll Cardiol** 1984 Jul;4(1):183–5

The evolution of thrombolytic therapy in acute myocardial infarction: a review. Hastings RA 2d, et al. **J Am Osteopath Assoc** 1984 Feb;83(6):405–11 (21 ref.)

Immediate postoperative thrombosis of the umbilical vein treated by low-dose streptokinase infusion: report of a case. Kingsbury JA. **J Am Osteopath Assoc** 1983 Dec;83(4):312–6

Immediate coronary bypass following failed streptokinase infusion in evolving myocardial infarction. Skinner JR, et

al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):567–70
Early bypass grafting following intracoronary thrombolysis with streptokinase. Sterling RP, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):487–92
Nonsurgical relief of venous limb thrombosis in a Denver shunt [letter] McDaniel MD, et al. **JAMA** 1984 Sep 14; 252(10):1282–3
Intracoronary streptokinase for myocardial infarction [letter] **N Engl J Med** 1983 Nov 3;309(18):1122–4
Thrombolytic therapy. A new strategy for the treatment of acute myocardial infarction (2). Laffel GL, et al. **N Engl J Med** 1984 Sep 20;311(12):770–6 (43 ref.)
Thrombolytic therapy. A new strategy for the treatment of acute myocardial infarction (1). Laffel GL, et al. **N Engl J Med** 1984 Sep 13;311(11):710–7 (68 ref.)
Local low dose streptokinase in the treatment of acute peripheral arterial occlusion. Breslau PJ, et al. **Neth J Surg** 1984 Jun;36(3):65–8
Reduction of left ventricular damage with intracoronary streptokinase in acute myocardial infarction. de Feyter PJ, et al. **Postgrad Med J** 1983;59 Suppl 3:107–11
The systemic fibrinolytic effect of low-dose intraarterial streptokinase: observations in 12 patients. Work in progress. Rubenfire M, et al. **Radiology** 1984 Jul;152(1):41–3
Subacute massive pulmonary embolism treated with plasminogen and streptokinase. Ellis DA, et al. **Thorax** 1983 Dec;38(12):903–7
Intra-coronary thrombolysis with streptokinase or lys-plasminogen/urokinase in acute myocardial infarction: effects on recanalization and blood fibrinolysis. de Prost D, et al. **Thromb Haemost** 1983 Dec 30;50(4):792–6
Acyl-enzymes as thrombolytic agents in dog models of venous thrombosis and pulmonary embolism. Dupe RJ, et al. **Thromb Haemost** 1984 Apr 30;51(2):248–53
A comparative randomized trial of low-dose versus high-dose streptokinase in deep vein thrombosis of the thigh. Schulman S, et al. **Thromb Haemost** 1984 Apr 30; 51(2):261–5
Acylated streptokinase--plasminogen complex in patients with acute myocardial infarction. Walker ID, et al. **Thromb Haemost** 1984 Apr 30;51(2):204–6
Critical ischemia during heparin-induced thrombocytopenia. Treatment by intra-arterial streptokinase. Fiessinger JN, et al. **Thromb Res** 1984 Jan 15;33(2):235–8
Local venous infusion of streptokinase in DVT. Schulman S, et al. **Thromb Res** 1984 May 1;34(3):213–6
Selective intracoronary lysis and reperfusion in acute myocardial infarction; the registry results. Rentrop P. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:154–6
[First experience with Awelysin in the treatment of acute myocardial infarct] Bohanes V, et al. **Vnitr Lek** 1983 Nov; 29(11):1041–9 (Eng. Abstr.) (Cze)
[Intracoronary thrombolytic treatment in the acute phase of myocardial infarct] Puel J, et al. **Arch Mal Coeur** 1983 Jun; 76(6):643–51 (Eng. Abstr.) (Fre)
[Superior mesenteric embolism. Apropos of 2 patients treated successfully with streptokinase] Sicard C, et al. **J Mal Vasc** 1984;9(2):155–8 (Eng. Abstr.) (Fre)
[Phlebitis of the legs. Comparison of streptokinase and urokinase therapy (letter)] Marcon JL, et al. **Presse Med** 1984 Jun 30;13(27):1697–8 (Fre)
[Streptokinase treatment of deep vein thrombosis of the lower limbs. A new protocol with local thrombolysis (letter)] Marcon JL, et al. **Presse Med** 1983 Dec 10;12(45):2883 (Fre)
[Intracoronary thrombolysis as a treatment for evolving myocardial infarction] Sigwart U, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1666–70 (Eng. Abstr.) (Fre)
[Fibrinolytic therapy of deep vein thrombosis of the leg and pelvis with streptokinase and urokinase] Hasler K, et al. **Med Welt** 1983 Oct 28;34(43):1225–9 (Ger)
[Evaluation of systemic lysis of acute myocardial infarct using radionuclide ventriculography and myocardial thallium scintigraphy with inclusion of SPECT] Mostbeck A, et al. **Radiobiol Radiother (Berl)** 1983;24(6):799–804 (Eng. Abstr.) (Ger)
[Systemic thrombolysis of arterial occlusions of the lower extremities. Comparison of various treatment schedules] Lämmle B, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1570–6 (Eng. Abstr.) (Ger)
[Success quota--reocclusion--drug therapy following thrombolysis] Merx W, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:149–53 (Ger)
[Selective intracoronary lysis and transluminal coronary dilation as an immediate measure in acute myocardial infarct] Meyer J, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:157–65 (Ger)
[Selective intracoronary lysis as a technical procedure] Rutsch W. **Verh Dtsch Ges Herz Kreislaufforsch** 1982; 48:143–8 (Ger)
[Systemic or selective lysis?] Schröder R. **Verh Dtsch Ges Herz Kreislaufforsch** 1982;48:166–73 (Ger)
[Relation between late potentials, ventricular arrhythmias, left ventricular dysfunction and occlusion time following intracoronary thrombolysis] Korsukewitz J, et al. **Z Kardiol** 1983 Dec;72(12):723–9 (Eng. Abstr.) (Ger)
[Treatment of thrombotic occlusion of the pelvic and extremity veins. Comparison of three different types of treatment] Kalkowski H, et al. **Zentralbl Chir** 1984; 109(2):97–103 (Eng. Abstr.) (Ger)
[Is thrombolysis useful in myocardial infarct-in-evolution? A study by the Italian Group for Experimentation on Streptokinase in Myocardial Infarct] Rossi P. **G Ital Cardiol** 1983 Dec;13(12):399–403 (Ita)
[Results of treatment of acute renal vein thrombosis with streptokinase] Grygalewicz J, et al. **Pediatr Pol** 1983 Dec; 58(12):989–93 (Pol)
[Effect of streptokinase on fibrinolysis in patients with acute myocardial infarction] Golikov AP, et al. **Klin Med (Mosk)** 1984 Jan;62(1):37–41 (Eng. Abstr.) (Rus)
[Fibrinolysis. A method for protecting the ischemic myocardium (editorial)] Gorodezky M. **Arch Inst Cardiol Mex** 1983 May-Jun;53(3):185 (Spa)
[Coronary thrombolysis in acute myocardial infarction. Initial experience with an intravenous thrombolytic agent] Martínez Ríos MA, et al. **Arch Inst Cardiol Mex** 1984 Jan-Feb;54(1):3–9 (Eng. Abstr.) (Spa)

STREPTOLYDIGIN see under **ANTIBIOTICS**

STREPTOLYSINS

Purified -SH-activated toxins (streptolysin O, alveolysin): new tools for determination of platelet enzyme activities. Launay JM, et al. **Thromb Res** 1984 Jan 15;33(2):189–96

BIOSYNTHESIS

Decreased production of RNA-streptolysin S in streptococci devoid of extracellular RNase activity. Taketo A, et al. **Z Naturforsch [C]** 1983 Jul-Aug;38(7–8):635–9

DIAGNOSTIC USE

[Precipitation reaction with streptolysin O] Bozděch V, et al. **Z Med Lab Diagn** 1983;24(6):342–8 (Eng. Abstr.) (Ger)

GENETICS

Cloning and expression in Escherichia coli of the streptolysin O determinant from Streptococcus pyogenes: characterization of the cloned streptolysin O determinant and demonstration of the absence of substantial homology with determinants of other thiol-activated toxins. Kehoe M, et al. **Infect Immun** 1984 Mar;43(3):804–10

IMMUNOLOGY

Response of leukopenic rabbits to pneumococcal toxin. Harrison JC, et al. **Curr Eye Res** 1982–83;2(10):705–10
Evaluation of screening tests for the detection of antistreptolysin O antibodies. Lue YA, et al. **J Clin Microbiol** 1983 Sep;18(3):628–30

PHARMACODYNAMICS

Release of cardiac antigens by streptolysin O. Gupta RK, et al. **Indian J Exp Biol** 1983 Apr;21(4):222–4
Activation of human complement by the pneumococcal toxin pneumolysin. Paton JC, et al. **Infect Immun** 1984 Mar; 43(3):1085–7
Streptococcus pyogenes streptolysin O as a cause of false-positive CAMP reactions. Tapsall JW, et al. **J Clin Microbiol** 1984 Apr;19(4):534–7

STREPTOMYCES

A pseudo-outbreak of Streptomyces infections linked to laboratory construction. Farber BF, et al. **Am J Clin Pathol** 1984 Oct;82(4):453–5

ANALYSIS

Tendamistat (HOE 467), a tight-binding alpha-amylase inhibitor from Streptomyces tendae 4158. Isolation, biochemical properties. Vértesy L, et al. **Eur J Biochem** 1984 Jun 15;141(3):505–12
Fatty acids of Streptomyces cinnamonensis, producer of monensin. Rezanka T, et al. **Folia Microbiol (Praha)** 1984; 29(3):217–21
Structure elucidation of angiotensin converting enzyme inhibitor L-681,176 from Streptomyces sp. MA 5143a. Hensens OD, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):466–8
Production of (S)-alpha-benzylmalic acid, inhibitor of carboxypeptidase A by actinomycetes. Tanaka T, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):682–4
[Restriction analysis of the plasmid and chromosomal DNA of the strain Streptomyces fradiae--a producer of neomycin] Starodubtseva LI, et al. **Antibiotiki** 1984 May; 29(5):324–9 (Eng. Abstr.) (Rus)
[Stability of the fatty acid composition of actinomycetes] Konova IV, et al. **Mikrobiologiia** 1983 May-Jun; 52(3):438–43 (Eng. Abstr.) (Rus)
[Cell wall composition of Streptomyces roseoflavus var. roseofungini and its Nocardia-like variant] Skoblilova NK, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):597–604 (Eng. Abstr.) (Rus)

CLASSIFICATION

New alpha-amylase inhibitor, trestatins. IV. Taxonomy of the producing strains and fermentation of trestatin A. Watanabe K, et al. **J Antibiot (Tokyo)** 1984 May; 37(5):479–86
A probability matrix for identification of some Streptomycetes. Williams ST, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1815–30
Numerical classification of Streptomyces and related genera. Williams ST, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1743–813

CYTOLOGY

Studies of protoplast fusion in Streptomyces chrysomallus. Keller U, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1725–31

DRUG EFFECTS

Multiple resistance to aminoglycoside antibiotics in actinomycetes. Hotta K, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1748–54
Isolation and biological properties of arsenate-resistant strains of Streptomyces noursei. Friedrich W, et al. **Z Allg Mikrobiol** 1984;24(1):13–9

ENZYMOLOGY

Streptomyces R61 DD-carboxypeptidase: hydrolysis of X-D-alanyl-D-alanine peptides measured by a fluorometric assay. Georgopapadakou NH, et al. **Anal Biochem** 1984 Feb;137(1):125–8
Source of methylmalonyl-coenzyme A for erythromycin synthesis: methylmalonyl-coenzyme A mutase from Streptomyces erythreus. Hunaiti AA, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):173–8
Malonyl-CoA decarboxylase from Streptomyces erythreus: purification, properties, and possible role in the production of erythromycin. Hunaiti AR, et al. **Arch Biochem Biophys** 1984 Mar;229(2):426–39
Proline hydroxylation by cell free extract of a streptomycete. Onishi M, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):45–51
Active-site-directed inactivators of the Zn2+-containing D-alanyl-D-alanine-cleaving carboxypeptidase of Streptomyces albus G. Charlier P, et al. **Biochem J** 1984 May 1;219(3):763–72
A tryptophan C-methyltransferase involved in streptonigrin biosynthesis in Streptomyces flocculus. Hartley DL, et al. **Biochem J** 1984 May 15;220(1):309–13
4-Methyl-3-hydroxyanthranilic acid activating enzyme from actinomycin-producing Streptomyces chrysomallus. Keller U, et al. **Biochemistry** 1984 Mar 27;23(7):1479–84
Purification and properties of a new beta-lactamase from Streptomyces UCSM-104. Garcés E, et al. **Braz J Med Biol Res** 1983 Jul;16(2):81–7
Partial purification and characterization of isopenicillin N epimerase activity from Streptomyces clavuligerus. Jensen SE, et al. **Can J Microbiol** 1983 Nov;29(11):1526–31
Study of the Zn-containing DD-carboxypeptidase of Streptomyces albus G by small-angle X-ray scattering in solution. Labischinski H, et al. **Eur J Biochem** 1984 Jan 2;138(1):83–7
Detection of a bromoperoxidase in Streptomyces phaeochromogenes. van Pée KH, et al. **FEBS Lett** 1984 Jul 23;173(1):5–8
Induction of beta-D-glucosidase in Streptomyces granaticolor. Jirešová M, et al. **Folia Microbiol (Praha)** 1983;28(5):379–85
Purification of DNA-dependent RNA polymerase from Streptomyces granaticolor. Spížek J, et al. **Folia Microbiol (Praha)** 1983;28(5):435–8
NMR titration studies of histidine 57 and the [methylene-13C]PMS group in the phenylmethanesulfonyl (PMS) derivative of Streptomyces erythraeus trypsin. Sakiyama F, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1661–9
X-ray crystal structure of D-xylose isomerase at 4-A resolution. Carrell HL, et al. **J Biol Chem** 1984 Mar 10; 259(5):3230–6
Cystathionine gamma-lyase of Streptomyces phaeochromogenes. The occurrence of cystathionine gamma-lyase in filamentous bacteria and its purification and characterization. Nagasawa T, et al. **J Biol Chem** 1984 Aug 25;259(16):10393–403
Primary structure of the Streptomyces enzyme endo-beta-N-acetylglucosaminidase H. Robbins PW, et al. **J Biol Chem** 1984 Jun 25;259(12):7577–83
Site of action of a ribosomal RNA methylase responsible for resistance to erythromycin and other antibiotics. Skinner R, et al. **J Biol Chem** 1983 Oct 25;258(20):12702–6
Quantitative analysis of hyaluronic acid by high-performance liquid chromatography of streptomyces hyaluronidase digests. Takazono I, et al. **J Chromatogr** 1984 Apr 20; 288(1):167–76
Glycerol catabolic enzymes and their regulation in wild-type and mutant strains of Streptomyces coelicolor A3(2). Seno ET, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1403–13
Crystallization and preliminary crystallographic study of 3 alpha, 20 beta-hydroxysteroid dehydrogenase from Streptomyces hydrogenans. Fitzgerald PM, et al. **J Mol Biol** 1984 May 15;175(2):225–7
A type II restriction endonuclease with an eight nucleotide specificity from Streptomyces fimbriatus. Qiang BQ, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4507–16
[Optimization of the conditions for D-glucose isomerization

to D-fructose with the glucose isomerase from Streptomyces atroolivaceus strain 700] Dzhezheva G, et al. **Acta Microbiol Bulg** 1983;13:68–76 (Eng. Abstr.) **(Bul)**

[Natural dissociation in Streptomyces griseoflavus 1339, producer of the enzyme glucose isomerase] Ognianov I, et al. **Acta Microbiol Bulg** 1983;13:60–7 (Eng. Abstr.) **(Bul)**

[Rapid method of determining beta-lactamase inhibitor activity] Aver'ianova EV, et al. **Antibiotiki** 1984 Apr; 29(4):245–8 (Eng. Abstr.) **(Rus)**

[Extracellular serine proteinase A of Streptomyces rutgersensis] Kaluger SV, et al. **Biokhimiia** 1983 Sep; 48(9):1483–90 (Eng. Abstr.) **(Rus)**

[Subtilisin-like proteinase SSPB from Streptomyces spheroides, strain 35] Kreier VG, et al. **Biokhimiia** 1983 Aug;48(8):1365–73 (Eng. Abstr.) **(Rus)**

[Selection of Streptomyces spheroides—a producer of extracellular proteases with fibrinolytic action] Egorov NS, et al. **Mikrobiologiia** 1984 May–Jun;53(3):387–91 (Eng. Abstr.) **(Rus)**

[Interaction of actinomycetes in relation to an intensification of protease biosynthesis] Landau NS, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):228–31 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation and characterization of Streptomyces erythreus plasmids. Czernik P, et al. **Acta Microbiol Pol** 1983; 32(4):327–37

Uses of recombinant DNA for analyses of Streptomyces species. Hershberger CL, et al. **Ann NY Acad Sci** 1983; 413:31–46

Molecular cloning and expression in streptomyces lividans of a hygromycin B phosphotransferase gene from Streptomyces hygroscopicus. Malpartida F, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):6–12

Construction of a shuttle vector and expression in Streptomyces lividans of the sulfonamide-resistance gene derived from Escherichia coli plasmid pSAS1206. Shareck F, et al. **Can J Microbiol** 1984 Apr;30(4):515–8

A linear DNA plasmid from Streptomyces rochei with an inverted terminal repetition of 614 base pairs. Hirochika H, et al. **EMBO J** 1984 Apr;3(4):761–6

Advances in protoplast fusion and transformation in Streptomyces. Baltz RH, et al. **Experientia [Suppl]** 1983; 46:143–8

Mutational cloning in Streptomyces and the isolation of antibiotic production genes. Chater KF, et al. **Gene** 1983 Dec;26(1):67–78

Streptomyces lividans RNA polymerase recognizes and uses Escherichia coli transcriptional signals. Jaurin B, et al. **Gene** 1984 Apr;28(1):83–91

Expression in Streptomyces ambofaciens of an Escherichia coli K-12 gene which confers resistance to hygromycin B. Kuhstoss S, et al. **Gene** 1983 Dec;26(2–3):295–9

DNA homology studies in Streptomyces using S1 nuclease. Furumai T, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):641–5

Isolation and characterization of a pock-forming plasmid pTA4001 from Streptomyces lavendulae. Kobayashi T, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):368–75

Cloning of antibiotic-resistance genes in Streptomyces. Murakami T, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1305–11

Induction of beta-lactamase and penicillin-binding proteins in Escherichia coli by introduction of Streptomyces DNA. Nakazawa H, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1543–8

Cosynthesis and protoplast fusion by mutants of bialaphos (AMPBA) producing Streptomyces hygroscopicus. Ogawa H, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1040–4

Plasmid variability in the istamycin producing strains of Streptomyces tenjimariensis. Shigyo T, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):635–40

Pock-forming plasmids isolated from streptomyces roseochromogenus. Shindoh Y, et al. **J Antibiot (Tokyo)** 1984 May;37(5):512–7

Isolation of a Streptomyces rochei idiotroph requiring beta-lysine for production of streptothricin. Singh K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1770–3

Extraction, cloning and physical maps of plasmid DNAs from Streptomyces noursei. Takeda K, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1743–7

Regulatory mutants of Streptomyces clavuligerus affected in free diaminopimelic acid content and antibiotic biosynthesis. Aharonowitz Y, et al. **J Bacteriol** 1984 Jan; 157(1):337–40

Restriction of bacteriophage plaque formation in Streptomyces spp. Cox KL, et al. **J Bacteriol** 1984 Aug; 159(2):499–504

Unstable genetic determinant of A-factor biosynthesis in streptomycin-producing organisms: cloning and characterization. Horinouchi S, et al. **J Bacteriol** 1984 May; 158(2):481–7

Shuttle vectors for cloning recombinant DNA in Escherichia coli and Streptomyces griseofuscus C581. Larson JL, et al. **J Bacteriol** 1984 Jan;157(1):314–7

Cloning of the kanamycin resistance gene from a kanamycin-producing Streptomyces species. Nakano MM, et al. **J Bacteriol** 1984 Jan;157(1):79–83

Recombination between short direct repeats in Streptomyces lavendulae plasmid DNA. Nakano MM, et al. **J Bacteriol** 1984 Feb;157(2):658–60

The effect of inhibitors of DNA repair on the genetic instability of Streptomyces cattleya. Coyne VE, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):887–92

Genetic analysis of A-factor synthesis in Streptomyces coelicolor A3(2) and Streptomyces griseus. Hara O, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2939–44

Plasmids, recombination and chromosome mapping in Streptomyces lividans 66. Hopwood DA, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2257–69

Genetic interactions in Streptomyces rimosus mediated by conjugation and by protoplast fusion. Hranueli D, et al. **J Gen Microbiol** 1983 May;129 (Pt 5):1415–22

Cloning and expression of the tyrosinase gene from Streptomyces antibioticus in Streptomyces lividans. Katz E, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2703–14

Evidence for the wide distribution of repetitive DNA sequences in the genus Streptomyces. Usdin K, et al. **J Mol Evol** 1984;20(1):25–30

Improved phage vector system in Streptomyces. Ishihara H, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):299–306

Evolutionary relationships of the Bacillus licheniformis macrolide-lincosamide-streptogramin B resistance elements. Israeli-Reches M, et al. **MGG** 1984;194(3):362–7

The glycerol utilization operon of Streptomyces coelicolor: genetic mapping of gyl mutations and the analysis of cloned gylDNA. Seno ET, et al. **MGG** 1984;193(1):119–28

Possible plasmid involvement in turimycin production in Streptomyces hygroscopicus. Zippel M, et al. **MGG** 1983; 192(3):471–6

Molecular cloning of the whole biosynthetic pathway of a Streptomyces antibiotic and its expression in a heterologous host. Malpartida F, et al. **Nature** 1984 May 31–Jun 6; 309(5967):462–4

Integrated DNA sequences in three streptomycetes form related autonomous plasmids after transfer to Streptomyces lividans. Hopwood DA, et al. **Plasmid** 1984 Jan;11(1):1–16

pFJ265, a new cloning vehicle for Streptomyces. Jones MD, et al. **Plasmid** 1984 Jan;11(1):92–5

Genetics, strain selection and improvement with particular respect to antibiotic producing microorganisms. Holt G, et al. **Riv Biol** 1983 Summer;76(2):183–93 (52 ref.)

Fertility in Streptomyces revisited. Sermonti G, et al. **Riv Biol** 1983 Summer;76(2):195–205 (21 ref.)

ATP levels in phosphate-deregulated and arsenate-resistant mutants of Streptomyces noursei. Hänel F, et al. **Z Allg Mikrobiol** 1984;24(4):239–45

Gene expression after transformation of Streptomyces lividans protoplasts with plasmid pIJ2 DNA. Noack D, et al. **Z Allg Mikrobiol** 1984;24(3):161–6

[Interspecific hybridization of strains of Streptomyces aureofaciens and Streptomyces rimosus] Naidenova M. **Acta Microbiol Bulg** 1984;14:11–5 (Eng. Abstr.) **(Bul)**

[Intergeneric hydridization of the actinomycetes Streptoverticillium mycoheptinicum and Streptomyces coelicolor] Lapina IK, et al. **Mikrobiologiia** 1984 Mar–Apr; 53(2):290–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Directed biosynthesis of novel derivatives of echinomycin by Streptomyces echinatus. I. Effect of exogenous analogues of quinoxaline-2-carboxylic acid on the fermentation. Gauvreau D, et al. **Can J Microbiol** 1984 Apr;30(4):439–50

Variability in nutritional requirement of an improved strain of Streptomyces erythreus for erythromycin production. Mandal SK, et al. **Indian J Exp Biol** 1983 Nov; 21(11):607–10

MM 14201, a new epoxyquinone derivative with antibacterial activity produced by a species of Streptomyces. Box SJ, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1631–7

Fermentation, isolation, characterization and structure of nitrosofungin. Dolak LA, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1425–30

A new carbapenam No. 17927 D substance. Haneishi T, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1581–4

Studies on a new antibiotic FR-900336 taxonomy, isolation and characterization. Hino M, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):303–8

Ascamycin and dealanylascamycin, nucleoside antibiotics from Streptomyces sp. Isono K, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):670–2

OM-173, new nanaomycin-type antibiotics produced by a strain of Streptomyces. Taxonomy, production, isolation and biological properties. Iwai Y, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1268–74

X-14885A, a novel divalent cation ionophore produced by a Streptomyces culture: discovery, fermentation, biological as well as ionophore properties and taxonomy of the producing culture. Liu CM, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1118–22

The fermentation, isolation and characterization of a macromolecular peptide antibiotic: AN-3. Miyashiro S, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1136–43

New streptothricin-group antibiotics, AN-201 I and II. Screening, fermentation, isolation, structure and biological activity. Miyashiro S, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1638–43

Karabemycin, a new antimetabolite of glutamine produced by a strain of streptomycete. Omura S, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1129–35

Milbemycins, a new family of macrolide antibiotics. Studies on the biosynthesis of milbemycins alpha 2, alpha 4 and D using 13C labeled precursors. Ono M, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):991–1000

Novel antitumor agents CI-920, PD 113,270 and PD 113,271. I. Taxonomy, fermentation and biological properties. Tunac JB, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1595–600

A new antitumor antibiotic, awamycin. Umezawa I, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1144–9

Northienamycin and 8-epi-thienamycin, new carbapenems from Streptomyces cattleya. Wilson KE, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1109–17

Studies on a new antibiotic FR-900109. 1. Taxonomy, isolation and characterization. Yamashita M, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1123–8

New alpha-amylase inhibitor, trestatins. I. Isolation, characterization and biological activities of trestatins A, B and C. Yokose K, et al. **J Antibiot (Tokyo)** 1983 Sep; 36(9):1157–65

Structures of OA-6129A, B1, B2 and C, new carbapenem antibiotics produced by Streptomyces sp. OA-6129. Yoshioka T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1473–82

Lipid composition and protoplast-forming capacity of Streptomyces antibioticus. Zuñeda MC, et al. **Lipids** 1984 Mar;19(3):223–8

Streptomyces maghwi, a new species producing roflamycoin. Afzal M, et al. **Z Allg Mikrobiol** 1983;23(7):411–8

[Parameters characterizing the productivity of an inoculum of the producer of oleandomycin] Tyshchenko AF, et al. **Antibiotiki** 1983 Oct;28(10):739–43 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Exposure of water consumers to mesophilic actinomycetes. Ojanen TH, et al. **J Hyg (Lond)** 1983 Dec;91(3):535–41

METABOLISM

Influence of medium composition on the production of cephamycins by S. griseus and S. lactamdurans and the characterization of their growth. Malina HZ. **Acta Microbiol Pol** 1983;32(4):353–62

A method for estimation of the antibiotic activity of Streptomyces griseus and Streptomyces lactamdurans strains producing cephamycins. Malina HZ. **Acta Microbiol Pol** 1983;32(4):405–7

Incorporation of amino acid-derived carbon into tylactone by Streptomyces fradiae GS14. Dotzlaf JE, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):216–20

Effect of phosphate and amino acids on echinomycin biosynthesis by Streptomyces echinatus. Formica JV, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):735–41

Analysis of penicillin N ring expansion activity from Streptomyces clavuligerus by ion-pair high-pressure liquid chromatography. Jensen SE, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):307–12

Production of a novel dimeric metabolite of primaquine by Streptomyces rimosus. Clark AM, et al. **Appl Environ Microbiol** 1984 Mar;47(3):540–3

Cell-free studies of monoterpene and sesquiterpene biosynthesis. Cane DE. **Biochem Soc Trans** 1983 Oct; 11(5):510–5

Evidence for the conversion of adenosine to 2'-deoxycoformycin by Streptomyces antibioticus. Hanvey JC, et al. **Biochemistry** 1984 Feb 28;23(5):904–7

A 15N nuclear magnetic resonance study of the biosynthesis of quinoxaline antibiotics. Reid DG, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):111–4

Nitrogen metabolism and chloramphenicol production in Streptomyces venezuelae. Shapiro S, et al. **Can J Microbiol** 1983 Dec;29(12):1706–14

Metabolism of cinnamic, p-coumaric, and ferulic acids by Streptomyces setonii. Sutherland JB, et al. **Can J Microbiol** 1983 Oct;29(10):1253–7

The effect of glucose on cellobiose uptake and beta-D-glucosidase activity in Streptomyces granaticolor. Jirešová M, et al. **Folia Microbiol (Praha)** 1984;29(3):201–4

Determination of optimum conditions for antibiotic production by Streptomyces galbus. Paul AK, et al. **Folia Microbiol (Praha)** 1983;28(5):397–405

A new antifungal antibiotic produced by Streptomyces galbus. Paul AK, et al. **Folia Microbiol (Praha)** 1983; 28(5):386–96

Utilization of a lipid substrate for submerged fermentation of Streptomyces albus. Procházka P, et al. **Folia Microbiol (Praha)** 1983;28(5):406–8

Isolation of neocopiamycin A from Streptomyces hygroscopicus var. crystallogenes, the copiamycin source. Arai T, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):103–9

3-Amino-5-hydroxybenzoic acid in antibiotic biosynthesis. VI. Directed biosynthesis studies with ansamycin antibiotics. Becker AM, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1323–8

Conversion of triostins to quinomycins by protoplasts of Streptomyces echinatus. Cornish A, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1664–70

New antibiotic U-64846: fermentation, isolation and characterization. Dolak LA, et al. **J Antibiot (Tokyo)** 1984 Feb;37(2):96–102

Microbial conversion of anthracycline antibiotics. I. Microbial conversion of aclacinomycin B to aclacinomycin A. Hoshino T, et al. **J Antibiot (Tokyo)** 1983 Nov;

36(11):1458–62
Microbial conversion of anthracycline antibiotics. II. Characterization of the microbial conversion products of auramycinone by Streptomyces coeruleorubidus ATCC 31276. Hoshino T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1463–7
Discovery, purification and characterization of the angiotensin converting enzyme inhibitor, L-681,176, produced by Streptomyces sp. MA 5143a. Huang L, et al. **J Antibiot (Tokyo)** 1984 May;37(5):462–5
Chicamycin, a new antitumor antibiotic. I. Production, isolation and properties. Konishi M, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):191–9
The discovery, fermentation, isolation, and structure of antibiotic A33853 and its tetraacetyl derivative. Michel KH, et al. **J Antibiot (Tokyo)** 1984 May;37(5):441–5
Effect of ammonium ion, inorganic phosphate and amino acids on the biosynthesis of protylonolide, a precursor of tylosin aglycone. Omura S, et al. **J Antibiot (Tokyo)** 1984 May;37(5):494–502
Ammonium ion suppresses the biosynthesis of tylosin aglycone by interference with valine catabolism in Streptomyces fradiae. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1792–4
The use of doubly-labeled 13C-acetate in the study of streptolydigin biosynthesis. Pearce CJ, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1536–8
Production of the cephalosporate C-2 by a Streptomyces lactamdurans mutant defective in cephamycin C biosynthesis. Rein A, et al. **J Antibiot (Tokyo)** 1984 Jun; 37(6):664–6
The isolation and structures of hygrolidin amide and defumarylhygrolidin. Seto H, et al. **J Antibiot (Tokyo)** 1984 May;37(5):610–3
Demonstration of a metabolic grid at an early step in the streptonigrin biosynthetic pathway in Streptomyces flocculus. Speedie MK, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):159–66
Terminal steps in the biosynthesis of herbicidins, nucleoside antibiotics. Yoshikawa H, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):30–5
Acyl pentapeptide lactone synthesis in actinomycin-producing streptomycetes by feeding with structural analogs of 4-methyl-3-hydroxyanthranilic acid. Keller U. **J Biol Chem** 1984 Jul 10;259(13):8226–31
The application of materials balancing to the characterization of sequential secondary metabolite formation in Streptomyces cattleya NRRL 8057. Bushell ME, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1733–41
A new channel-forming antibiotic from Streptomyces coelicolor A3(2) which requires calcium for its activity. Lakey JH, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3565–73
beta-lactam antibiotic production by Streptomyces clavuligerus mutants impaired in regulation of aspartokinase. Mendelovitz S, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2063–9
Restoration of aerial mycelium and antibiotic production in a Streptomyces griseoflavus arginine auxotroph. Ochi K, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2007–13
Metabolism of steroid acetates by Streptomyces albus. Mukherjee A, et al. **J Steroid Biochem** 1984 Mar; 20(3):781–4
Collagen hydrolysis by a new Streptomyces species. Chakraborty R, et al. **Microbios** 1984;40(159):25–32
Uncoupling of respiration in turimycin fermentations. Effenberger W, et al. **Z Allg Mikrobiol** 1983;23(9):557–64
Bioconversions of a macrolide glycoside by growing L-form cells of Streptomyces hygroscopicus. Gräfe U, et al. **Z Allg Mikrobiol** 1983;23(9):565–9
Cyanide-resistant respiration in Streptomyces citreofluorescens. Hänel F, et al. **Z Allg Mikrobiol** 1983; 23(7):429–33
Model aided dynamic process analysis and optimization for the nourseothricin fermentation. Peissker M, et al. **Z Allg Mikrobiol** 1984;24(7):467–77
Studies on the transport of anions and zwitterions of acidic amino acids in Streptomyces hydrogenans. Fritsch J, et al. **Z Naturforsch [C]** 1983 Jul-Aug;38(7-8):617–20
[Anthracycline antibiotics from genetically modified streptomycetes. The isolation, spectroscopic structural elucidation and biologic effects of beta-rhodomycin I] Ihn W, et al. **Pharmazie** 1984 Mar;39(3):176–80 (Eng. Abstr.) **(Ger)**
[A statistical method for the determination of the yield correlation of antibiotic-producing microorganisms] Horn M, et al. **Z Allg Mikrobiol** 1984;24(7):443–9 (Eng. Abstr.) **(Ger)**
[Various aspects of regulation of the biosynthesis of novobiocin and exoproteases in cultures of Streptomyces spheroides 35] Egorov NS, et al. **Antibiotiki** 1984 May; 29(5):332–6 (Eng. Abstr.) **(Rus)**
[Conditions for grading the process of oleandomycin biosynthesis] Falkov NN, et al. **Antibiotiki** 1984 Apr; 29(4):243–5 (Eng. Abstr.) **(Rus)**
[Isolation and study of the antibiotics produced by a culture of Str. iverini (Gause et al., 1957) Pridham et al., 1958] Frolova VI, et al. **Antibiotiki** 1984 Jan;29(1):7–14 (Eng. Abstr.) **(Rus)**
[Formation of an antibiotic of the siomycin group by a Streptomyces corchorusii 1401 culture] Gauze GF, et al. **Antibiotiki** 1983 Sep;28(9):643–7 (Eng. Abstr.) **(Rus)**
[Biosynthesis of levorin and activity of several enzyme systems of Streptomyces levoris depending on culture conditions] Kuznetsova OS, et al. **Antibiotiki** 1983 Oct; 28(10):734–8 (Eng. Abstr.) **(Rus)**
[Stability of the antibiotic formation trait of the tobramycin producer Streptomyces cremeus subsp. tobramycini] Motkova MO, et al. **Antibiotiki** 1984 Feb;29(2):83–5 (Eng. Abstr.) **(Rus)**
[New species of actinomycete Streptomyces variegatus sp. nov. synthesizing an antibiotic of the alpha-hydroxyketopentaene group] Sveshnikova MA, et al. **Antibiotiki** 1983 Oct;28(10):723–8 (Eng. Abstr.) **(Rus)**
[Nature of the brown pigment and the composition of the phenol oxidases of Streptomyces galbus] Kuznetsov VD, et al. **Mikrobiologiia** 1984 Mar-Apr;53(2):251–6 (Eng. Abstr.) **(Rus)**
[Regulation of the biosynthesis of secondary metabolites in Streptomyces galbus] Kuznetsov VD, et al. **Mikrobiologiia** 1984 May-Jun;53(3):357–63 (Eng. Abstr.) **(Rus)**
[Isolation of lipoteichoic acid from Streptomyces levoris] Potekhina NV, et al. **Mikrobiologiia** 1983 May-Jun; 52(3):434–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Antagonistic activity of Chainia flava Thirum, against Pseudomonas solanacearum, causing brown-rot of potato in India. Wagle AP, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):18–20
Evidence of heterokaryosis in streptomyces coelicolor A3(2). Micheli M, et al. **MGG** 1984;194(3):541–4
[Regulators of development in Streptomyces coelicolor A3(2)] Anisova LN, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan-Feb;(1):98–108 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

CDA is a new chromosomally-determined antibiotic from Streptomyces coelicolor A3(2). Hopwood DA, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3575–9
Ultrastructural characterization of core structures and paracrystalline inclusion bodies in L-form cells of streptomycetes. Gumpert J. **Z Allg Mikrobiol** 1983; 23(10):625–33
[Characteristics of the ultrastructural organization of Actinomyces rimosus and Actinomyces violocinereus in monocultures and in an association producing extracellular proteases] Gesheva VI, et al. **Mikrobiologiia** 1984 Jan-Feb; 53(1):98–102 (Eng. Abstr.) **(Rus)**
[Characteristics of defective lysogeny in Streptomyces chrysomallus] Rautenshtein IaI, et al. **Mikrobiologiia** 1983 Sep-Oct;52(5):821–5 (Eng. Abstr.) **(Rus)**

STREPTOMYCES ANTIBIOTICUS see under **STREPTOMYCES**

STREPTOMYCES AUREOFACIENS

METABOLISM

Formation of the ternary complex EF-Tu.GTP.Phe-tRNA in the translation system of Streptomyces aureofaciens. Weiser J, et al. **Folia Microbiol (Praha)** 1984;29(3):269–72

STREPTOMYCES GRISEUS

ANALYSIS

Protein patterns of Streptomyces griseus strains during development. Vitális S, et al. **Z Allg Mikrobiol** 1984; 24(3):201–9

DRUG EFFECTS

Inducers of both cytodifferentiation and anthracycline biosynthesis of Streptomyces griseus and their occurrence in actinomycetes and other microorganisms. Eritt I, et al. **Z Allg Mikrobiol** 1984;24(1):3–12
Effect of the autoregulator from Streptomyces griseus JA 5142 on surface cultures of blocked mutant ZIMET 43682. Gräfe U, et al. **Z Allg Mikrobiol** 1983;23(6):359–65

ENZYMOLOGY

Structure of the complex of Streptomyces griseus protease B and the third domain of the turkey ovomucoid inhibitor at 1.8-A resolution. Read RJ, et al. **Biochemistry** 1983 Sep 13;22(19):4420–33
Purification and characterization of streptomycin 6-kinase, an enzyme implicated in self-protection of a streptomycin-producing micro-organism. Sugiyama M, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1683–7

GENETICS

Cloning and expression of a p-aminobenzoic acid synthetase gene of the candicidin-producing Streptomyces griseus. Gil JA, et al. **Gene** 1983 Nov;25(1):119–32
Isolation and characterization of pock-forming plasmids for Streptomyces griseus from soil actinomycetes. Ohnuki T, et al. **Gene** 1983 Nov;25(1):155–9
Pleiotropic effects of a butyrolactone-type autoregulator on mutants of Streptomyces griseus blocked in cytodifferentiation. Gräfe U, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1237–45
[Use of the protoplast fusion method in the selection of Streptomyces griseus--the producer of the streptothricin antibiotic grisin] Kuklin VV, et al. **Antibiotiki** 1983 Dec; 28(12):883–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

On the biological inactivity of 4,5-dihydroxy-n-decanoic acid-4-lactones. Gräfe U, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1592–3

METABOLISM

A method for estimation of the antibiotic activity of Streptomyces griseus and Streptomyces lactamdurans strains producing cephamycins. Malina HZ. **Acta Microbiol Pol** 1983;32(4):405–7
Influence of medium composition on the production of cephamycins by S. griseus and S. lactamdurans and the characterization of their growth. Malina HZ. **Acta Microbiol Pol** 1983;32(4):353–62
Proline transport increases growth efficiency in salt-stressed Streptomyces griseus. Killham K, et al. **Appl Environ Microbiol** 1984 Jul;48(1):239–41
Studies on TI-2 trypsin inhibitor of Streptomyces griseus. Mukherjee M. **Can J Biochem Cell Biol** 1983 Nov; 61(11):1228–32
Biochemical investigations of streptomycin production by Streptomyces griseus. Singh VP, et al. **Hindustan Antibiot Bull** 1983 Feb-May;25(1-2):11–4
Increase in streptomycin production caused by tunicamycin. Hirose-Kumagai A, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1408–10
Microbial transformation of aklanonic acid, a potential early intermediate in the biosynthesis of anthracyclines. Wagner C, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):691–2
Relation of anabolic-catabolic glucose utilization in growth-limited cultures of Streptomyces griseus. Christner A, et al. **Z Allg Mikrobiol** 1983;23(6):351–8
[Correlations in the utilization of carbon sources in the range of griseus species of the genus Streptomyces] Potekhina LI. **Mikrobiologiia** 1983 Nov-Dec;52(6):880–5 (Eng. Abstr.) **(Rus)**

STREPTOMYCETACEAE

Host-mediated antitumor effect of DMG, a degraded D-manno-D-glucan from Microellobosporia grisea culture fluid. Nakajima H, et al. **Gann** 1984 Mar;75(3):253–9
Immunopotentiation by a new antitumor polysaccharide, DMG, a degraded D-manno-D-glucan from Microellobosporia grisea culture fluid. Nakajima H, et al. **Gann** 1984 Mar;75(3):260–8

ENZYMOLOGY

[Aminoacylase from Streptoverticillium microorganisms: stereo- and substrate specificity] Skvortsova EE, et al. **Biokhimiia** 1984 Apr;49(4):547–50 (Eng. Abstr.) **(Rus)**

GENETICS

[Intergeneric hydridization of the actinomycetes Streptoverticillium mycoheptinicum and Streptomyces coelicolor] Lapina IK, et al. **Mikrobiologiia** 1984 Mar-Apr; 53(2):290–5 (Eng. Abstr.) **(Rus)**

METABOLISM

[Screening of beta-lactamase inhibitors among representatives of the genus Micromonospora and the genus Streptoverticillium] Bibikova MV, et al. **Antibiotiki** 1983 Sep;28(9):665–71 (Eng. Abstr.) **(Rus)**
[Phospholipase C inhibitor from Streptoverticillium mycoheptinicum] Iakovleva EP, et al. **Prikl Biokhim Mikrobiol** 1984 May-Jun;20(3):349–54 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Antitumor activity of cell wall from Streptoverticillium cinnamoneum. Okawa Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):786–90

STREPTOMYCIN

ADMINISTRATION & DOSAGE

Operational evaluation of treatment for tuberculosis. Results of a 'standard' 12-month regimen in Peru. Hopewell PC, et al. **Am Rev Respir Dis** 1984 Mar;129(3):439–43
Enhanced activity of streptomycin and chloramphenicol against intracellular Escherichia coli in the J774 macrophage cell line mediated by liposome delivery. Stevenson M, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):742–9
Treatment of meningitis in infants caused by group B-streptococci using benzylpenicillin and streptomycin. Christensen HO, et al. **Dan Med Bull** 1983 Nov;30(6):416–8
Spinal tuberculosis: remember streptomycin [letter] Porter KM. **Lancet** 1983 Oct 29;2(8357):1024
The gastrointestinal syndrome and mucosal clonogenic cells: relationships between target cell sensitivities, LD50 and cell survival, and their modification by antibiotics. Hendry JH, et al. **Radiat Res** 1983 Oct;96(1):100–12

Intraoperative antibiotic irrigation as prophylaxis in abdominal hysterectomy: a preliminary report. Nelson KJ, et al. **South Med J** 1984 Jun;77(6):700–2

[Preventive antibiotics in vascular surgery: 25 years' experience at the Surgical Research Institute of Clinical and Experimental Medicine] Vaněk I, et al. **Rozhl Chir** 1984 Mar;63(3):197–203 (Eng. Abstr.) **(Cze)**

[Results of planned treatment of tuberculosis, under field conditions, with a therapeutic regimen consisting of isoniazid, rifampicin and streptomycin] González Montaner LJ, et al. **Bull Int Union Tuberc** 1983 Jun;58(2):108–10 **(Fre)**

[A study on short-course chemotherapy for pulmonary tuberculosis. Initial intensive regimens containing streptomycin] Suzuyama Y, et al. **Kekkaku** 1984 Apr; 59(4):277–87 (Eng. Abstr.) **(Jpn)**

[Effectiveness of the rapid intravenous administration of rifampicin and isoniazid and of the intramuscular administration of streptomycin in disseminated destructive pulmonary tuberculosis in dogs] Bondarev IM, et al. **Antibiotiki** 1984 Jun;29(6):430–4 (Eng. Abstr.) **(Rus)**

[Sodium metabisulfite inhibition of the reaction between isoniazid and streptomycin in solution] Aleksandrova AE, et al. **Probl Tuberk** 1983 Aug;(8):54–7 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonic aerosols of streptomycin and isoniazid on the bronchial tree of patients with intrathoracic tuberculosis] Gerasin VG, et al. **Probl Tuberk** 1984 Apr; (4):53–5 (Eng. Abstr.) **(Rus)**

[Experience with the use of Chronicin foam and Masticort PS in the nonselective treatment of milk cows during the dry period] Vasil' M, et al. **Vet Med (Praha)** 1984 Jun; 29(6):321–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Streptomycin drug fever during treatment of bilateral Meniere's disease. Feldbaum JS, et al. **Arch Otolaryngol** 1984 Aug;110(8):538–9

Allergic contact dermatitis to penicillin and streptomycin. Fisher AA. **Cutis** 1983 Oct;32(4):314, 318, 324 (10 ref.)

Familial aggregation of streptomycin ototoxicity: autosomal dominant inheritance? Viljoen DL, et al. **J Med Genet** 1983 Oct;20(5):357–60

[A case of prolonged curarization caused by the interaction of pancuronium and streptomycin] Torresi S, et al. **Minerva Anestesiol** 1984 Apr;50(4):143–5 (Eng. Abstr.) **(Ita)**

[Characteristics of sleep disorders in occupational diseases due to antibiotic exposure] Gnesina EA, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):50–2 **(Rus)**

[Sensitizing effect of rifampicin in combination with isoniazid and streptomycin on microcirculation] Sokolova GB, et al. **Probl Tuberk** 1984 Jan;(1):49–52 (Eng. Abstr.) **(Rus)**

ANALYSIS

Potentiometric microbiological assay of gentamicin, streptomycin, and neomycin with a carbon dioxide gas-sensing electrode. Simpson DL, et al. **Anal Chem** 1983 Oct;55(12):1974–7

ANTAGONISTS & INHIBITORS

Genetic analysis of a streptomycin-resistant oligosporogenous Bacillus subtilis mutant. Henkin TM, et al. **J Bacteriol** 1984 Jan;157(1):202–10

[Alteration of the acute toxicity and various pharmacologic effects of streptomycin sulfate by calcium 4'-phosphopantothenate] Dorofeev BF, et al. **Antibiotiki** 1983 Oct;28(10):760–3 (Eng. Abstr.) **(Rus)**

[Effect of conjugative R plasmids on the virulence of antibiotic-sensitive Salmonella strains and their streptomycin-resistant mutants] Gridnev VA, et al. **Antibiotiki** 1983 Sep;28(9):671–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Biochemical investigations of streptomycin production by Streptomyces griseus. Singh VP, et al. **Hindustan Antibiot Bull** 1983 Feb–May;25(1–2):11–4

Increase in streptomycin production caused by tunicamycin. Hirose-Kumagai A, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1408–10

Purification and characterization of streptomycin 6-kinase, an enzyme implicated in self-protection of a streptomycin-producing micro-organism. Sugiyama M, et al. **J Gen Microbiol** 1983 Jun;129 (Pt 6):1683–7

IMMUNOLOGY

Anaphylaxis presumed to be caused by beef containing streptomycin. Tinkelman DG, et al. **Ann Allergy** 1984 Sep; 53(3):243–4

METABOLISM

Effect of growth rate on streptomycin accumulation by Escherichia coli and Bacillus megaterium. Muir ME, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2015–22

PHARMACODYNAMICS

Ribosomal resistance of clinical enterococcal to streptomycin isolates. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):398–9

Resistance to penicillin–streptomycin synergy among clinical isolates of viridans streptococci. Farber BF, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):871–5

Inhibition of gentamicin uptake into rat renal cortex by aminoglycoside antibiotics in vitro. Kállay Z, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2835–7

Presynaptic effect of streptomycin on the insect neuromuscular junction. Washio H. **Brain Res** 1984 Feb 6;292(2):382–6

The control of accuracy during protein synthesis in Escherichia coli and perturbations of this control by streptomycin, neomycin, or ribosomal mutations. Brakier-Gingras L, et al. **Can J Biochem Cell Biol** 1984 May;62(5):231–44 (162 ref.)

Drug sensitivity patterns of Mycobacterium tuberculosis isolated in Addis Ababa. Lemma E, et al. **Ethiop Med J** 1984 Apr;22(2):93–6

Dissemination of streptomycin and sulfonamide resistance by plasmid pBP1 in Escherichia coli. Korfmann G, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):463–8

Streptomycin retards the phenotypic maturation of chick myogenic cells. Moss PS, et al. **In Vitro** 1984 Jun; 20(6):473–8

Effect of streptomycin on antibody response to mannophosphoinositides in experimental tuberculosis. Malik U, et al. **Indian J Exp Biol** 1983 Sep;21(9):513–4

Transposon Tn5 specifies streptomycin resistance in Rhizobium spp. Selvaraj G, et al. **J Bacteriol** 1984 May; 158(2):580–9

Evaluation and use of the drug inhibition method of measuring intracellular killing in differentiating between staphylococci grown in vivo and in vitro. Kolawole DO. **J Hyg (Lond)** 1983 Oct;91(2):211–22

Dissociation of peptidyl-tRNA from ribosomes is perturbed by streptomycin and by strA mutations. Caplan AB, et al. **MGG** 1984;194(3):534–8

On the basis of aminoglycoside-dependent growth of mutants of Escherichia coli: in vitro studies and the model. Hummel H, et al. **MGG** 1983;191(2):176–81

On the basis of aminoglycoside-dependent growth of mutants from E. coli: physiological studies. Hummel H, et al. **MGG** 1983;191(2):167–75

Tn5 carries a streptomycin resistance determinant downstream from the kanamycin resistance gene. Putnoky P, et al. **MGG** 1983;191(2):288–94

Factors affecting quantitative transformation of streptomycin resistance markers in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):197–213

Taxonomic implications of quantitative transformation in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):214–28

[Principles of isolation and identification of various strains of bacteria of the Neisseriaceae family. III. Methods and interpretation of the results of transformation of streptomycin resistance markers among strains of the genus Moraxella] Linda H, et al. **Med Dosw Mikrobiol** 1984; 36(1):19–25 (Eng. Abstr.) **(Pol)**

[Production of liposomal preparations of streptomycin and dihydrostreptomycin] Vladimirskil MA, et al. **Antibiotiki** 1984 Mar;29(3):163–6 (Eng. Abstr.) **(Rus)**

[Streptomycin—[illegible] activator of persisting tick-borne encephalitis virus] Malenko GV, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):[illegible]7–23 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of streptomycin-susceptible and streptomycin-resistant enterococcal endocarditis. Wilson WR, et al. **Ann Intern Med** 1984 Jun;100(6):816–23

Streptomycin treatment for Meniere's disease. Silverstein H. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:44–8

Antibiotic prophylaxis against streptomycin-resistant and -susceptible Streptococcus faecalis endocarditis in rabbits. Guze PA, et al. **Antimicrob Agents Chemother** 1983 Oct; 24(4):514–7

Lupus vulgaris resistant to streptomycin, isoniazid and thiacetazone. A case report. Lal S, et al. **Indian J Dermatol** 1983 Jul;28(3):117–9

A clinical approach to the choice of antimicrobial therapy. Case number 23. Fever and lymphadenopathy in a farmer. Peeno LP, et al. **J Ky Med Assoc** 1984 Jul;82(7):315–8

Use of streptomycin sulfate in the treatment of Meniere's disease. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):229–32

[Brucellar bioprosthesic endocarditis: cure by medical treatment (letter)] Rubio Alvarez J, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):829–30 **(Spa)**

TOXICITY

Host-dependent transposon Tn5-mediated streptomycin resistance. De Vos GF, et al. **J Bacteriol** 1984 Jul; 159(1):395–9

Transposon Tn5 encodes streptomycin resistance in nonenteric bacteria. O'Neill EA, et al. **J Bacteriol** 1984 Jul;159(1):388–9

URINE

New and selective spectrophotometric determination of streptomycin using o-hydroxyhydroquinonephthalein and manganese (II). Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1289–95

STREPTONIGRIN

DNA interaction and nucleotide sequence cleavage of copper-streptonigrin. Sugiura Y, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):254–61

BIOSYNTHESIS

A tryptophan C-methyltransferase involved in streptonigrin biosynthesis in Streptomyces flocculus. Hartley DL, et al. **Biochem J** 1984 May 15;220(1):309–13

Demonstration of a metabolic grid at an early step in the streptonigrin biosynthetic pathway in Streptomyces flocculus. Speedie MK, et al. **J Antibiot (Tokyo)** 1984 Feb; 37(2):159–66

TOXICITY

Changes in streptonigrin lethality during adaptation of Escherichia coli to picolinic acid. Correlation with intracellular picolinate and iron uptake. Yeowell HN, et al. **Biochim Biophys Acta** 1984 Mar 1;797(3):302–11

Sister chromatid exchange distributions in rabbit lymphocytes treated with streptonigrin. DuFrain RJ. **Environ Mutagen** 1983;5(6):813–24

Evaluation of chemically induced cytogenetic lesions in rabbit oocytes. III. A postimplantation analysis of streptonigrin effects. DuFrain RJ, et al. **Mutat Res** 1984 Jun;127(1):73–9

STREPTONIVICIN see **NOVOBIOCIN**

STREPTOTHRICINS see under **ANTIBIOTICS**

STREPTOZOCIN see **STREPTOZOTOCIN**

STREPTOZOTOCIN

Immunologic studies on the induction of diabetes in experimental animals. Cellular basis for the induction of diabetes by streptozotocin. Kim YT, et al. **Diabetes** 1984 Aug;33(8):771–7

ADMINISTRATION & DOSAGE

Diabetes mellitus in mice induced by multiple subdiabetogenic doses of streptozotocin: age and sex dependence. Kuttler B, et al. **Acta Biol Med Ger** 1982; 41(12):1199–1202

Relationship between the severity of experimental diabetes and altered lung phospholipid metabolism. Engle MJ, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):261–7

ADVERSE EFFECTS

Acute febrile reaction to streptozocin [letter] Garnick MB, et al. **N Engl J Med** 1984 Sep 20;311(12):798

ANALOGS & DERIVATIVES

Randomized trial of chlorozotocin, neocarzinostatin, or methyl-CCNU in patients with malignant melanoma. Von Hoff DD, et al. **Am J Clin Oncol** 1984 Apr;7(2):135–9

Cellular and molecular mechanisms of the bone marrow sparing effects of the glucose chloroethylnitrosourea chlorozotocin. Byrne P, et al. **Blood** 1984 Apr;63(4):759–67

Antitumor activity of a nitrosourea derivative, CNUA, on murine tumors. Edanami K, et al. **Cancer Chemother Pharmacol** 1984;13(1):22–6

Comparison of the transport of chlorozotocin and CCNU in L1210 leukemia and murine bone marrow cells in vitro. Lazarus P, et al. **Cancer Chemother Pharmacol** 1983; 11(3):159–61

Chlorozotocin: phase II evaluation in patients with myeloma. Cornell CJ Jr, et al. **Cancer Treat Rep** 1984 Apr;68(4):685–6

Differences in transformation of repair-deficient mutants of E. coli with BPDE- or chlorozotocin-modified plasmid DNA. Vadi HV. **Carcinogenesis** 1983 Nov;4(11):1379–84

Comparative analysis of the immunopharmacological properties of three new nitrosourea analogues: RPCNU, RFCNU and Chlorozotocin. Florentin I, et al. **Int J Immunopharmacol** 1983;5(3):201–10

Phase II evaluation of chlorozotocin in metastatic sarcomas. Presant CA, et al. **Med Pediatr Oncol** 1984;12(1):25–7

Chlorozotocin treatment of advanced gastrointestinal cancer. Veronesi A, et al. **Med Pediatr Oncol** 1983;11(5):365–6

PHARMACODYNAMICS

Differential effects of streptozotocin and streptozotocin-induced diabetes mellitus on tumor metastases and growth in mice. Arbogast BW, et al. **Anticancer Res** 1983 Nov–Dec;3(6):361–6

Increased feeding by rats after subdiabetogenic streptozotocin treatment: a role for insulin in satiety. Lindberg NO, et al. **Behav Neurosci** 1984 Feb;98(1):138–45

Reduced diabetogenic effect of streptozotocin in rats previously adapted to a high-protein, carbohydrate-free diet. Eizirik DL, et al. **Diabetes** 1984 Apr;33(4):383–8

Streptozotocin, but not alloxan, induces DNA repair synthesis in mouse pancreatic islets in vitro. Sandler S, et al. **Diabetologia** 1983 Nov;25(5):444–7

Multiple low-dose streptozotocin-induced diabetes in the mouse. Evidence for stimulation of a cytotoxic cellular

immune response against an insulin-producing beta cell line. McEvoy RC, et al. **J Clin Invest** 1984 Sep;74(3):715–22
Streptozotocin prevents development of nitrosamine-induced pancreatic cancer in the Syrian hamster. Bell RH Jr, et al. **J Surg Oncol** 1983 Dec;24(4):258–62
The effect of streptozotocin and streptozotocin-induced diabetes on the kidney. Evan AP, et al. **Renal Physiol** 1984; 7(2):78–89

THERAPEUTIC USE

Effect of streptozotocin in a case of glucagon-secreting malignant islets-cell tumor. Del Prato S, et al. **J Endocrinol Invest** 1984 Apr;7(2):111–5

TOXICITY

On the histogenesis of experimental pancreatic endocrine tumors. An immunocytochemical and electron microscopical study. Morohoshi T, et al. **Acta Pathol Jpn** 1984 Mar;34(2):271–81
Streptozotocin-induced impairment of islet B-cell metabolism and its prevention by a hydroxyl radical scavenger and inhibitors of poly(ADP-ribose) synthetase. Sandler S, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):392–400
Effects of streptozotocin on a clonal isolate of rat insulinoma cells. Ledoux SP, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):387–92
Streptozotocin treatment at birth induces a parallel depletion of thyrotropin-releasing hormone and insulin in the rat pancreas during development. Aratan-Spire S, et al. **Endocrinology** 1984 Jun;114(6):2369–73
Reversible impairment of hepatobiliary function induced by streptozotocin in the rat. Carnovale CE, et al. **Experientia** 1984 Mar 15;40(3):248–50
Neoplastic lesions in streptozotocin-treated rats. Okawa H, et al. **Jikken Dobutsu** 1983 Apr;32(2):77–84
Modification of pancreatic carcinogenesis in the hamster model. X. Effect of streptozotocin. Pour PM, et al. **JNCI** 1983 Nov;71(5):1059–65
Potentiation of thioacetamide-induced hepatotoxicity in alloxan- and streptozotocin-diabetic rats. El-Hawari AM, et al. **Toxicol Lett** 1983 Jul;17(3–4):293–300

STREPTOZOTOCIN DIABETES see **DIABETES MELLITUS, EXPERIMENTAL**

STRESS

Effects of drugs on the production of stress ulcer in the rat. Nagy L, et al. **Acta Physiol Acad Sci Hung** 1982; 60(4):219–27
Stress response of the tibial cortex: a longitudinal radiographic study. Kuusela T, et al. **Ann Clin Res** 1984; 16 Suppl 40:14–6
Stress and health. Kasl SV. **Annu Rev Public Health** 1984; 5:319–41 (191 ref.)
Thermal strain measurement techniques. Grant-Thomson JC, et al. **Australas Phys Eng Sci Med** 1984 Jan–Mar;7(1):35–42
Cimetidine dynamics after repeated intravenous injection. Pancorbo S, et al. **Clin Pharmacol Ther** 1984 Jan;35(1):50–4
Stress, cigarettes, and ulcers [letter] Cummings S. **Gastroenterology** 1983 Nov;85(5):1232
Effect of stress on the pathogenicity of Entamoeba histolytica. Sen MR, et al. **Indian J Med Res** 1984 Mar; 79:349–353
Impaired response of plasma vasopressin to orthostatic stress in patients with congestive heart failure. Goldsmith SR, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1080–3
Relationship between endogenous opioids and the oestrous cycle in the rat. Hulse GK, et al. **J Endocrinol** 1984 Mar; 100(3):271–5
Effect of stress on tissue and plasma levels of immunoreactive beta-endorphin in ovariectomized rats primed with oestrogen and progesterone. Hulse GK, et al. **J Endocrinol** 1984 Mar;100(3):277–80
Effects of stress administered during pregnancy on reproductive capacity and subsequent development of the offspring of rats: prolonged effects on the litters of a second pregnancy. Pollard I. **J Endocrinol** 1984 Mar;100(3):301–6
Participation of the intermediate lobe of the pituitary gland after prolonged exposure to unpredictable stress in the rat. Pollard I. **J Endocrinol** 1983 Nov;99(2):239–43
American Academy of Pediatrics Committee on School Health: Heat stress and school closings. **Pediatrics** 1984 Aug;74(2):313–4
The effects of psychosomatic stress at the end of pregnancy on maternal and fetal plasma cortisol levels and liver glycogen in guinea-pigs. Dauprat P, et al. **Reprod Nutr Dev** 1984;24(1):45–51
[The medial tibial stress syndrome] Boel J, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3831–2 (Eng. Abstr.) **(Dan)**
[Intragastric pH increase using antacids or secretin for stress ulcer prevention in surgical risk patients] Lehmann L, et al. **Chirurg** 1984 Jul;55(7):455–60 (Eng. Abstr.) **(Ger)**
[Recent results of a sociologic analysis of stressful working conditions and their effect on workers] Mergner U. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Dec;33(12):388–94 **(Ger)**
[Pattern of the most common cardiorespiratory parameters in 28] normal male subjects under stress] Sulotto F, et al. **Med Lav** 1983 Sep–Oct;74(5):380–90 (Eng. Abstr.) **(Ita)**
[Effect of adaptation to short-term stress on disorders of myocardial contraction during chronic stress] Shimkovich MV, et al. **Kardiologiia** 1984 Apr;24(4):112–3 **(Rus)**

BLOOD

Plasma catecholamines during surgical stress: differences between neurolept and enflurane anaesthesia. Hamberger B, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):307–10
Stress and platelet activation. Andrén L, et al. **Acta Haematol (Basel)** 1983;70(5):302–6
Effect of vibration on the activity of the plasma kallikrein-kinin system in the rat. Gáti T, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):213–8
Changes in the plasma concentration of free fatty acids in rabbits under fatigue-induced stress. Święcka E, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):523–32
Role of conjugation and red blood cells for inactivation of circulating catecholamines. Alexander N, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R203–7
Role of conjugation and red blood cells for inactivation of circulating normetanephrine. Yoneda S, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R208–11
The plasma levels of ACTH following exposure to stress or nicotine. Cam GR, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):154–67
Relationship between cortisol and cholesterol in men with coronary artery disease and type A behavior. Schwertner HA, et al. **Arteriosclerosis** 1984 Jan–Feb;4(1):59–64
Adaptation of anterior pituitary hormones to chronic noise stress in male rats. Armario A, et al. **Behav Neural Biol** 1984 May;41(1):71–6
A system model of the metabolic response to stress. Atkinson C, et al. **Behav Sci** 1983 Oct;28(4):268–73
Intense rises of unesterified arachidonate plasma levels in stressed humans. Deby-Dupont G, et al. **Biomed Pharmacother** 1983;37(8):386–91
Plasma beta-endorphin concentrations in neonates associated with acute stress. Hindmarsh KW, et al. **Dev Pharmacol Ther** 1984;7(3):198–204
The beta-adrenoceptor-blocking drug propranolol prevents secretion of immunoreactive beta-endorphin and alpha-melanocyte-stimulating hormone in response to certain stress stimuli. Berkenbosch F, et al. **Endocrinology** 1984 Sep;115(3):1051–9
Levels of adrenal and gonadal hormones in rhesus monkeys during chronic hypokinesia. Goncharov NP, et al. **Endocrinology** 1984 Jul;115(1):129–35
Differential effects of maternal stress on circulating levels of corticosterone, progesterone, and testosterone in male and female rat fetuses and their mothers. Ward IL, et al. **Endocrinology** 1984 May;114(5):1635–44
Can maternal stress alter fetal adrenocorticotropin secretion? Wood CE, et al. **Endocrinology** 1984 Jul;115(1):298–301
Differences in the effects of mu- and delta-opioid receptor antagonists upon plasma corticosterone levels in stressed mice. Kitchen I, et al. **Eur J Pharmacol** 1984 May 18; 101(1–2):153–6
Corticosterone and prolactin responses to repeated handling and transfer of male rats. Dobrakovová M, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):21–7
Clearance of corticosteroids in yearling coho salmon, Oncorhynchus kisutch, in fresh water and seawater and after stress. Redding JM, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):433–43
The relationship of plasma cortisol and beta-endorphin immunoreactivity to surgical stress and postoperative analgesic requirement. Pickar D, et al. **Gen Hosp Psychiatry** 1983 Jul;5(2):93–8
Dissociation between corticosterone and growth hormone adaptation to chronic stress in the rat. Armario A, et al. **Horm Metab Res** 1984 Mar;16(3):142–5
Exercise-thermoregulatory stress and increased plasma beta-endorphin/beta-lipotropin in humans. Kelso TB, et al. **J Appl Physiol** 1984 Aug;57(2):444–9
Influence of age and cold stress on plasma catecholamine levels in rats. Avakian EV, et al. **J Auton Nerv Syst** 1984 Apr;10(2):127–33
Measurement of plasma metallothionein-I in the assessment of the zinc status of zinc-deficient and stressed rats. Sato M, et al. **J Nutr** 1984 Sep;114(9):1683–9
Benzodiazepine receptor antagonists reverse the effect of diazepam on plasma corticosterone in stressed rats. Bizzi A, et al. **J Pharm Pharmacol** 1984 Feb;36(2):134–5
Plasma cyclic nucleotides in spontaneously hypertensive rats: hyperresponse to acute hot stress. Sato T, et al. **Jpn J Pharmacol** 1984 Feb;34(2):137–46
Endogenous opiate involvement in acute and chronic stress-induced changes in plasma LH concentrations in the male rat. Briski KP, et al. **Life Sci** 1984 Jun 18; 34(25):2485–93
Diminished bactericidal capacity for group B Streptococcus in neutrophils from 'stressed' and healthy neonates. Stroobant J, et al. **Pediatr Res** 1984 Jul;18(7):634–7
The effect of surgical stress on plasma 6-keto-PGF1 alpha concentrations in laparotomized patients under general anesthesia. Goto F, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):137–42
Changes in total serum immunoreactive neurophysins and corticosterone levels after restraint stress in rats. Crine AF, et al. **Psychoneuroendocrinology** 1983;8(4):447–50
Comparison of stress response in male and female rats: pituitary cyclic AMP and plasma prolactin, growth hormone and corticosterone. Kant GJ, et al. **Psychoneuroendocrinology** 1983;8(4):421–8
Gastric ulceration and adrenocortical activity after inescapable and escapable pre-shock in rats. Murison RC, et al. **Scand J Psychol** 1982;Suppl 1:133–7
Evaluation of the effect of food deprivation on micronucleus test results. Gollapudi BB, et al. **Toxicol Lett** 1984 Jun; 21(3):353–6
[Amino acid metabolism in post-stress metabolism] Wustmann M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(3):152–67 (Eng. Abstr.) **(Ger)**
[Stressor effect of toxins] Ponsold W. **Z Gesamte Inn Med** 1983 Aug 1;38(15):401–5 (Eng. Abstr.) **(Ger)**
[Effect of long term anesthesia and surgery on endocrine function in anesthesiologists] Kudo M, et al. **Masui** 1983 May;32(5):611–5 (Eng. Abstr.) **(Jpn)**
[Changes in the plasma levels of uric acid in rats subjected to immobilization stress] Inaba R. **Nippon Eiseigaku Zasshi** 1983 Oct;38(4):748–57 (Eng. Abstr.) **(Jpn)**
[A study on carbohydrate metabolism in surgical patients with special reference to changes of plasma glucagon levels] Matsubara Y. **Nippon Geka Gakkai Zasshi** 1983 Jul; 84(7):591–601 (Eng. Abstr.) **(Jpn)**
[Effect of water-immersion stress on blood viscosity and gastric mucosal blood flow in rats] Murakami M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2520–4 (Eng. Abstr.) **(Jpn)**
[Physical and mental stresses and plasma catecholamine levels] Wada H. **Rinsho Byori** 1983 Aug;31(8):852–3 **(Jpn)**
[Reason for the discrepancy between blood plasma osmolality and its Na+ concentration during cold stress in rats] Monin IuG, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):35–7 (Eng. Abstr.) **(Rus)**
[The metabolic process in the erythrocytes in stress and in extreme exposure] Shepotinovskiĭ VI. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):70–4 (62 ref.) **(Rus)**
[Changes in the lysosomal apparatus of the human formed blood elements in the adaptation syndrome based on electron microscopy data] Koval' SB, et al. **Tsitol Genet** 1983 Jul–Aug;17(4):61–6 (Eng. Abstr.) **(Rus)**
[Relation between preoperative and hospital stress and plasma levels of beta-endorphin] Miralles F, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):67–71 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Continuous monitoring of gastric movements in rats subjected to restraint. Baltás B, et al. **Acta Chir Hung** 1984; 25(2):125–37
The action of clomiphene in stress-induced amenorrhea. Rowe TC, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):613–6
Stress fracture of the humerus. A case study. Allen ME. **Am J Sports Med** 1984 May–Jun;12(3):244–5
The effect of heparin on stress ulcer formation in rats. Kodama Y, et al. **Am Surg** 1983 Sep;49(9):506–10
Telogen effluvium after anesthesia and surgery. Desai SP, et al. **Anesth Analg** 1984 Jan;63(1):83–4
Prostaglandins in commercial milk preparations. Their effect in the prevention of stress-induced gastric ulcer. Materia A, et al. **Arch Surg** 1984 Mar;119(3):290–2
Genetically obese (ob/ob) mice are predisposed to gastric stress ulcers. Greenberg D, et al. **Behav Neurosci** 1984 Jun; 98(3):435–40
Effect of catecholamine precursors on stress-induced changes in motor activity, exploration, and brain monoamines in young and aged mice. Thurmond JB, et al. **Behav Neurosci** 1984 Jun;98(3):506–17
Stress and non-genetic schizophrenia [letter] Wallis G. **Br J Psychiatry** 1984 Jun;144:667–8
Stress fracture of the femoral neck in a marathon runner. Baer S, et al. **Br J Sports Med** 1984 Mar;18(1):42–3
Runner's stress fracture produced by an aerobic dance routine. Read MT. **Br J Sports Med** 1984 Mar;18(1):40–1
Central amygdaloid nucleus lesion attenuates exaggerated hemodynamic responses to noise stress in the spontaneously hypertensive rat. Galeno TM, et al. **Brain Res** 1984 Jan 23;291(2):249–59
Stress and cardiovascular disease. Rosch PJ. **Compr Ther** 1983 Oct;9(10):6–13 (16 ref.)
A double-blind randomized, controlled study to investigate the efficacy of cimetidine given in addition to conventional therapy in the prevention of stress ulceration and haemorrhage in patients with acute spinal injury. Zäch GA, et al. **Digestion** 1984;29(4):214–22
Stress induced alteration of opiate withdrawal. Manik CP, et al. **Drug Alcohol Depend** 1984 May;13(3):311–4
Fat-supplemented diet protects against activity-stress ulcers in rats. Glavin GB. **Experientia** 1983 Oct 15;39(10):1097–9
Effect of central dopamine, histamine & 5-hydroxytryptamine on stress-induced gastric ulceration in rats. Gupta MB, et al. **Indian J Med Res** 1983 Aug; 78:281–3
Health risks related to shift work. An example of time-contingent effects of long-term stress. Koller M.

Int Arch Occup Environ Health 1983;53(1):59–75
16,16–Dimethyl prostaglandin E2 reverses focal mucosal ischemia associated with stress ulcers. Gaskill HV 3d, et al. **J Surg Res** 1984 Jul;37(1):83–8
The role of glucose in preventing stress gastric mucosal injury. Shorr LD, et al. **J Surg Res** 1984 Apr;36(4):384–8
Effect of synthetic acyclic polyisoprenoids on the cold–restraint stress induced gastric ulcer in rats. Murakami M, et al. **Jpn J Pharmacol** 1983 Jun;33(3):549–56
Stress ulcer accompanying subarachnoid hemorrhage—a new rat model. Tsuchiya J, et al. **Jpn J Surg** 1983 Jul; 13(4):373–80
Stress–induced anorexia: implications for anorexia nervosa. Donohoe TP. **Life Sci** 1984 Jan 16;34(3):203–18 (126 ref.)
Stress and heart disease [letter] Nikolic G. **Med J Aust** 1984 Jan 21;140(2):117
Comparison between radiography, bone scan, and ultrasound in the diagnosis of stress fractures. Giladi M, et al. **Milit Med** 1984 Aug;149(8):459–61
Stress and diseases of the upper gut. I. Stress and liver disease. Kaplan MH, et al. **Mt Sinai J Med (NY)** 1983 May–Jun; 50(3):225–7 (27 ref.)
Stress and diseases of the upper gut: II. Stress and pancreatic disease. Kaplan MH, et al. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):331–4
Stress and diseases of the upper gut: III. Gallbladder disease. Kaplan MH, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct; 50(5):398–9
Stress, behavior and experimental hypertension. McCarty R. **Neurosci Biobehav Rev** 1983 Winter;7(4):493–502
Stress, predisposition and the onset of serious disease: implications about psychosomatic etiology. Natelson BH. **Neurosci Biobehav Rev** 1983 Winter;7(4):511–27
Blood pressure and plasma renin activity responses to chronic stress in the borderline hypertensive rat. Lawler JE, et al. **Physiol Behav** 1984 Jan;32(1):101–5
The prenatal stress syndrome: current status. Ward IL. **Psychoneuroendocrinology** 1984;9(1):3–11
The search for stress markers. Ursin H. **Scand J Psychol** 1982; Suppl 1:165–9
Evaluation of various nutritional supplements in the prevention of stress–induced gastric ulcers in the rat. Lally KP, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):124–8
[Determinants of depressive reactions in the aged] Hautzinger M. **Aktuel Gerontol** 1983 Sep;13(5):191–4 (Eng. Abstr.) **(Ger)**
[Ranitidine and cimetidine in the prevention of stress: ulcer hemorrhage a prospective comparative multicenter study] Barth HO, et al. **Langenbecks Arch Chir** 1984;362(2):131–8 (Eng. Abstr.) **(Ger)**
[Effects of the cold pressor test and mental stress on coronary flow and resistance in patients with angina pectoris] De Servi S, et al. **G Ital Cardiol** 1984 May;14(5):305–11 (Eng. Abstr.) **(Ita)**
[Stress ulcers in a surgical intensive care unit. Analysis of risk factors and the role of cimetidine as prevention] Olivero S, et al. **Minerva Chir** 1984 Jan 15–31;39(1–2):25–33 (Eng. Abstr.) **(Ita)**
[The role of stress in ante–partum cardiotocographic monitoring. Study of matched samples] Pregazzi R, et al. **Minerva Ginecol** 1983 Jul–Aug;35(7–8):475–8 (Eng. Abstr.) **(Ita)**
[Experimental studies on the management of stress ulcers, with special reference to the effects of vagotomy and cimetidine] Matsunaga Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1415–23 (Eng. Abstr.) **(Jpn)**
[Prevention of stress and hypoxic damage to the heart using the beta–blockader inderal] Ustinova EE. **Kardiologiia** 1983 Jul;23(7):90–3 (Eng. Abstr.) **(Rus)**
[Acute ulcers of the gastrointestinal tract after heart surgery] Savichevskif MS, et al. **Khirurgiia (Mosk)** 1983 Dec; (12):92–3 **(Rus)**
[Clinico–morphological characteristics of stress–induced gastroduodenal ulcers] Kalinin AV, et al. **Klin Med (Mosk)** 1983 Aug;61(8):55–8 **(Rus)**
[Nutritional and stress factors in the development of obesity (health aspects)] Bereza VIa. **Vopr Pitan** 1983 Sep–Oct; (5):9–13 (50 ref.) **(Rus)**
[Acute gastroduodenal ulcers and their complications] Stevanović D, et al. **Acta Chir Iugosl** 1984;31(1):81–5 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Comparison of heat stress measuring techniques in a steel mill. Parker RD, et al. **Am Ind Hyg Assoc J** 1984 Jun; 45(6):405–15
[Ergokinetic analysis of the degree of surgical risk in oncological patients] Kamyshov IaM, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):5–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Stress reduction by oxprenolol and placebo: controlled investigation of the pharmacological and non–specific effects. Landauer AA, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):592
[Anti–stress effect of D–Ala2–Leu5–Arg6–enkephalin] Lishmanov IuB, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):199–200 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The fetal circulation and its response to stress. Rudolph AM. **J Dev Physiol** 1984 Feb;6(1):11–9

ENZYMOLOGY

Effect of preslaughter factors on serum creatine phosphokinase and lactate dehydrogenase enzyme activities in pigs. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1982; 30(4):221–6
Acid hydrolase activity in tissues of mice after physical stress. Vihko V, et al. **Comp Biochem Physiol [B]** 1983;76(2):341–4
The effects of a number of short–term exogenous stimuli on pineal serotonin–N–acetyltransferase activity in rats. Welker HA, et al. **J Neural Transm** 1984;59(1):69–80
The effect of repeated mild stress on cerebral cortical adrenoceptors and noradrenaline synthesis in the rat. Stanford C, et al. **Neurosci Lett** 1984 Mar 23;45(2):163–7
The effects of footshock and handling on tyrosine hydroxylase activity in synaptosomes and solubilised preparations from rat brain. Graham–Jones S, et al. **Neuroscience** 1983 Jul;9(3):679–86
[Changes in the enzyme activity of the hypertrophied myocardium in hypertension and physical loading with exposure to acute hemodynamic stress] Popova N, et al. **Eksp Med Morfol** 1984;23(2):69–75 (Eng. Abstr.) **(Bul)**
[Hormonal activity control of liver glycogen phosphorylases with special reference to their significance within the scope of a stress reaction] Németh S. **Z Gesamte Inn Med** 1983 Aug 1;38(15):405–8 (Eng. Abstr.) **(Ger)**
[Red blood cell carbonic anhydrase (RCA) activity during anesthesia—VI. Effect of surgical stress (in animal experiment) and direct effect of ether] Taki K, et al. **Masui** 1984 Feb;33(2):143–7 (Eng. Abstr.) **(Jpn)**
[Activity of some enzymes of the cardiac muscle of the albino rat during acute stress. Histochemical study] Lopes AC, et al. **Arq Bras Cardiol** 1983 Dec;41(6):437–9 (Eng. Abstr.) **(Por)**

ETIOLOGY

Program on heat stress computation [letter] Greenberg L. **Am Ind Hyg Assoc J** 1984 May;45(5):B–9, B–12
A method for induction of cold, indomethacin and restraint ulcers in rats. Weischer CH, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):315–9
MS and postpartum stress [letter] Poser CM. **Neurology (NY)** 1984 May;34(5):704–5
A framework for research on aversive physical aspects of the environment. Topf M. **Res Nurs Health** 1984 Mar; 7(1):35–42
[Appearance of the signs of stress in mice as affected by lymphoid cells from syngeneic hypokinetic animals] Li SE, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):146–8 (Eng. Abstr.) **(Rus)**
[Experimental study on the combined effect of noise and toxic aerosols encountered in electric steel production] Paran'ko NM, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):49–51 **(Rus)**

FAMILIAL & GENETIC

Strain–dependent modulation of memory by stress in mice. Castellano C, et al. **Behav Neural Biol** 1983 May; 38(1):133–8
The acute phase response of mouse liver. Genetic analysis of the major acute phase reactants. Baumann H, et al. **J Biol Chem** 1984 Jan 10;259(1):566–73

IMMUNOLOGY

Mechanisms of nutrition and stress–induced changes on immune function [letter] Garcia Sanchez S, et al. **Am J Med** 1984 Mar;76(3):A87, A97
Lung delayed–type hypersensitivity in stressed mice. Blecha F, et al. **Can J Comp Med** 1984 Apr;48(2):211–4
Surgical stress–mediated suppression of murine natural killer cell cytotoxicity. Pollock RE, et al. **Cancer Res** 1984 Sep; 44(9):3888–91
Does modified amino acid total parenteral nutrition alter immune–response in high level surgical stress. Nuwer N, et al. **JPEN** 1983 Nov–Dec;7(6):521–4
Stress and morphine affect survival of rats challenged with a mammary ascites tumor (MAT 13762B). Lewis JW, et al. **Nat Immun Cell Growth Regul** 1983–84;3(1):43–50
Attack stress and IgE antibody production in rats. Ito Y, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):883–6
Glucocorticoid actions on lymphoid tissue and the immune system: physiologic and therapeutic implications. Guyre PM, et al. **Prog Clin Biol Res** 1984;142:181–94
Stress causes reduced natural killer activity in mice. Aarstad HJ, et al. **Scand J Immunol** 1983 Nov;18(5):461–4
Opioid peptides mediate the suppressive effect of stress on natural killer cell cytotoxicity. Shavit Y, et al. **Science** 1984 Jan 13;223(4632):188–90
[Experimental infection and surgical stress] Chachques JC, et al. **Ann Chir Plast Esthet** 1983;28(3):291–3 (Eng. Abstr.) **(Fre)**
[Role of the brain and stress in immunological functions. I. From neuroendocrinology to psychoneuroimmunology] Martin–du–Pan RC. **Praxis** 1983 Aug 23;72(34):1101–5 (Eng. Abstr.) **(Fre)**
[Role of the brain and stress in immunologic functions. II. The conditioned reflex and the immuno–neuro–endocrine network] Martin–Du Pan RC. **Praxis** 1983 Sep 6; 72(36):1151–6 **(Fre)**
[Influence of the surgical stress on graft–versus–host reaction in mice—the suppressor activity to GVH reaction induced by the surgical operation] Kojima K, et al. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):1–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Burn stress and its endocrine consequences. A review. Doleček R. **Acta Chir Plast (Prague)** 1984;26(2):107–28
Effect of stress and cholinergic stimulation on ACTH release in alpha–methyl–dopa pretreated rats. Debreceni L, et al. **Acta Physiol Hung** 1983;61(1–2):99–103
The effects of stress on the hypothalamic and neurohypophysial vasopressin content and plasma renin activity in rats. Olczak S, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):47–55
Catabolic stress on intracellular amino acid pool. Fürst P. **Adv Exp Med Biol** 1984;167:571–9
Interference of clonidine and alpha–methyl–p–tyrosine with stress and central histaminergic stimulation of the corticosterone response in rats. Bugajski J, et al. **Agents Actions** 1984 Apr;14(3–4):550–3
Collagen dynamics of partial small bowel obstruction. Stromberg BV, et al. **Am J Surg** 1984 Aug;148(2):257–61
Can the pituitary release adrenocorticotropic hormone during stress? Newmark SR. **Arch Intern Med** 1983 Dec; 143(12):2248–9
Whole–body protein turnover in metabolically stressed patients and patients with cancer as measured with [15N] glycine. Stein TP, et al. **Biochem Med** 1983 Aug;30(1):59–77
Stress and beta–carbolines decrease the density of low affinity GABA binding sites; an effect reversed by diazepam. Biggio G, et al. **Brain Res** 1984 Jul 2;305(1):13–8
Postnatal development of a cellular response to stress in rat brain. Currie RW, et al. **Brain Res** 1983 Dec;313(2):308–11
Catecholamine metabolism in the rat locus coeruleus as studied by in vivo differential pulse voltammetry. II. Pharmacological and behavioral study. Gonon F, et al. **Brain Res** 1983 Aug 29;273(2):207–16
Neurochemical and behavioral consequences of acute, uncontrollable stress: effects of dietary tyrosine. Lehnert H, et al. **Brain Res** 1984 Jun 15;303(2):215–23
In vivo autoradiography: visualization of stress–induced changes in opiate receptor occupancy in the rat brain. Seeger TF, et al. **Brain Res** 1984 Jul 9;305(2):303–11
Time course of the changes of catecholamine levels in rat brain during swimming stress. Sudo A. **Brain Res** 1983 Oct 16;276(2):372–4
Cholesterol metabolism in the rat adrenal cortex: acute temporal changes following stress. Alfano J, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):708–13
Stress, dopaminergic blockade and median eminence–neurointermediate lobe catecholamine depletion: effects on hypothalamic, pituitary and plasma immunoreactive beta–endorphin. Lim AT, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun;11(3):221–9
Renal metabolic response to thermal stress by three species of ground squirrels. Balcer JP, et al. **Comp Biochem Physiol [A]** 1984;77(3):537–41
Stress– and (1–24)ACTH–induced alterations in adrenal and testicular steroidogenesis in Mongolian gerbils (Meriones unguiculatus): comparison of plasma levels, tissue content and in vitro secretion. Fenske M. **Comp Biochem Physiol [A]** 1984;77(4):745–8
Central nervous system regulation of adrenocorticotropin secretion: role of somatostatins. Brown MR, et al. **Endocrinology** 1984 May;114(5):1546–9
Effect of acute stresses on Zn–thionein production in rat liver. Sugawara N, et al. **Eur J Applied Physiol** 1983; 51(3):365–70
Differential modification by opioid agents of acutely enhanced noradrenaline release in discrete brain regions. Kohno Y, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):265–8
Changes in benzodiazepine receptors by acute stress: different effect of chronic diazepam or RO 15–1788 treatment. Medina JH, et al. **Eur J Pharmacol** 1983 Dec 23; 96(3–4):181–5
Naloxone antagonism of stress–induced augmentation of frontal cortex dopamine metabolism. Miller JD, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):437–9
Serotonin and tryptophan hydroxylase in isolated hypothalamic and brain stem nuclei of rats exposed to acute and repeated immobilization stress. Culman J, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):28–36
Influence of lesions in the limbic–hypothalamic system on metabolic response of acetate to daily repeated immobilization stress. Seto K, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):37–48
Some metabolic and biochemical alterations during the development of stress ulcers in rats forced to swim. Nagy L, et al. **Int J Tissue React** 1983;5(4):363–71
Stress–induced enhancement of suppression of [3H]GABA release from striatal slices by presynaptic autoreceptor. Kuriyama K, et al. **J Neurochem** 1984 Apr;42(4):943–50
Stress–induced change in tissue levels of ascorbic acid and histamine in rats. Nakano K, et al. **J Nutr** 1984 Sep; 114(9):1602–8
Decreased responsiveness of pituitary–adrenal axis to stress in vitamin A–depleted rats. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):353–63
Augmentation of bethanechol–stimulated gastric secretion by

lowering body temperature in water-immersed rats. Yano S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):797–802
Multiple trauma and zinc metabolism in adult rats. Andreen O, et al. **J Trauma** 1984 Apr;24(4):332–6
In vitro leukocyte endogenous mediator production is not impaired following surgical stress in moderately malnourished patients. Duncan JL, et al. **JPEN** 1984 Mar–Apr;8(2):174–7
Two-way avoidance and acute shock stress induced alterations of regional noradrenergic, dopaminergic and serotonergic activity in Roman high- and low-avoidance rats. Driscoll P, et al. **Life Sci** 1983 Oct 24;33(17):1719–25
Recovery of stress-induced increases in noradrenaline turnover is delayed in specific brain regions of old rats. Ida Y, et al. **Life Sci** 1984 Jun 11;34(24):2357–63
Effect of neonatal treatment with monosodium glutamate on vasopressin release during foot shock stress in the rat. Knepel W, et al. **Life Sci** 1983 Oct 24;33(17):1703–9
Adrenalectomy abolishes the stress-induced increase in pituitary cyclic AMP. Meyerhoff JL, et al. **Life Sci** 1984 May 14;34(20):1959–65
Tyrosine prevents behavioral and neurochemical correlates of an acute stress in rats. Reinstein DK, et al. **Life Sci** 1984 Jun 4;34(23):2225–31
Pre-decapitation state of arousal of rats predetermines the effect of des-Tyr1-gamma-endorphin on dopamine release from nucleus accumbens slices in vitro. Versteeg DH, et al. **Life Sci** 1984 Apr 16;34(16):1549–54
Stress, cortisol, interferon and 'stress' diseases. I. Cortisol as the cause of 'stress' diseases. Sapse AT.
Med Hypotheses 1984 Jan;13(1):31–44
Effect of norepinephrine on the pituitary adrenocorticotrophic activation by ether stress and on the in vitro release of ACTH by the adenohypophysis of male and female newborn rats. Hary L, et al.
Neuroendocrinology 1984 Aug;39(2):105–13
5-Hydroxytryptamine synthesis and metabolism in discrete nuclei of the rat brain during surges of prolactin associated with restraint stress or suckling. Johnston CA, et al.
Neuroendocrinology 1984 Feb;38(2):117–22
Preventive effect of alcohol against stress-induced alteration in content of monoamines in brain and adrenal gland. Kuriyama K, et al. **Neuropharmacology** 1984 Jun; 23(6):649–54
Changes in RNA content in neurons and perineuronal glia of the caudal vagus ganglion after a single maximal overloading. Pashchenko PS. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):49–53
Neonatal capsaicin treatment prevents insulin-stress-induced adrenal catecholamine secretion in vivo: possible involvement of sensory nerves containing substance P. Khalil Z, et al. **Neurosci Lett** 1984 Mar 9;45(1):65–70
Reduction in cortical beta adrenergic receptor density after chronic intermittent food deprivation. Stone EA.
Neurosci Lett 1983 Sep 19;40(1):33–7
The sensitivity of apical Na+ permeability in frog skin to hypertonic stress. Zeiske W, et al. **Pflugers Arch** 1984 Feb; 400(2):130–9
Strain specific cholinergic changes in response to stress: analysis of a time-dependent avoidance variation. Cooper DO, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):457–62
Regional characteristics of stress-induced increases in brain noradrenaline release in rats. Tanaka M, et al.
Pharmacol Biochem Behav 1983 Sep;19(3):543–7
Daily increase in noradrenaline turnover in brain regions of activity-stressed rats. Tsuda A, et al.
Pharmacol Biochem Behav 1983 Sep;19(3):393–6
Counteraction by morphine of stress-induced inhibition of growth hormone release in the rat. Briski KP, et al.
Proc Soc Exp Biol Med 1984 Oct;177(1):137–42
Effects of exposure to stressful stimuli on conversion of glucose to CO2 in mice. Quirce CM, et al.
Res Commun Chem Pathol Pharmacol 1983 Nov;42(2):345–8
Effects of various vagotomies and sympathectomies on gastric secretory functions in the non-stressed and by immobilization stressed rat. Hanisch E, et al.
Scand J Gastroenterol [Suppl] 1984;89:99–104
The effect of mental stress induced by noise on gastric acid secretion and mucosal blood flow. Sonnenberg A, et al.
Scand J Gastroenterol [Suppl] 1984;89:45–8
Stress hormones: their interaction and regulation. Axelrod J, et al. **Science** 1984 May 4;224(4648):452–9 (95 ref.)
Modification of triorthotolyl phosphate toxicity in chickens by stress. Ehrich M, et al. **Toxicol Appl Pharmacol** 1983 Sep 15;70(2):249–54
[Effect of stress and nutrition on metabolism] Zhang GJ.
Chung Hua I Hsueh Tsa Chih 1983 Nov;63(11):657–60 (Eng. Abstr.) **(Chi)**
[Effect of jaundice and cimetidine on electrolyte changes in the saline solution instilled into the stomach of rats under restraint] Ohashi H, et al.
Nippon Shokakibyo Gakkai Zasshi 1984 Apr;81(4):979–86 (Eng. Abstr.) **(Jpn)**
[Increased collagen catabolism in gastric mucosa of rats administered with hydrochloric acid solution, injected with gastrin, and restrained under stress] Okazaki I, et al.
Nippon Shokakibyo Gakkai Zasshi 1984 Mar;81(3):829–34 (Eng. Abstr.) **(Jpn)**
[Effects of bromazepam on cerebral neuronal activity in male Wistar rats with immobilized stress] Nakamura K, et al.
Nippon Yakurigaku Zasshi 1984 May;83(5):401–12 (Eng. Abstr.) **(Jpn)**
[Psychobiological study of habituation to stress—observation of behavioral and neurochemical changes] Nomura S, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):1–11 (Eng. Abstr.) **(Jpn)**
[Histochemical study of glycogen and lipids in the cardiac muscle of albino rats during acute stress] Lopes AC, et al. **Arq Bras Cardiol** 1984 Jan;42(1):31–4 (Eng. Abstr.) **(Por)**
[Changes in adrenergic nerve plexuses of the heart during immobilization stress in the rat] Mar'ian KL, et al.
Arkh Anat Gistol Embriol 1984 Mar;86(3):34–9 (Eng. Abstr.) **(Rus)**
[Elimination of impairment of myocardial relaxation and contraction during stress with uridine, a cofactor of glycogen resynthesis] Meerson FZ, et al.
Biull Eksp Biol Med 1983 Nov;96(11):11–3 (Eng. Abstr.) **(Rus)**
[Mediator content of the rat brain in neurogenic gastric pathology] Zavodskaia IS, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):135–6 (Eng. Abstr.) **(Rus)**
[Role of lipid peroxidation in the pathogenesis of arrhythmias and the anti-arrhythmogenic action of antioxidants] Meerson FZ, et al. **Kardiologiia** 1984 May;24(5):61–8 (Eng. Abstr.) **(Rus)**
[Phasic changes in the glucocorticoid receptor level of the liver cytosol in rats in stress] Bobkov AI, et al.
Patol Fiziol Eksp Ter 1984 May–Jun;(3):20–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Effects of crowding and heat stress on intestinal flora, body weight gain, and feed efficiency of growing rats and chicks. Suzuki K, et al. **Nippon Juigaku Zasshi** 1983 Jun; 45(3):331–8

NURSING

Stress and coping: constructs for nursing. Clarke M.
J Adv Nurs 1984 Jan;9(1):3–13

OCCURRENCE

[Microclimatic indexes and limits of safe exposure in work activity at risk of thermal stress] Marcaletti G, et al.
Boll Soc Ital Biol Sper 1984 Mar 30;60(3):561–7 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Effect of chronic noise or water restriction on weight of body and organs in the rat. Armario A, et al.
Rev Esp Fisiol 1983 Sep;39(3):267–70
Effect of acute and repeated immobilization stress on the ultrastructure of neurons of the rat hypothalamic ventromedial nucleus. Kiss A. **Z Mikrosk Anat Forsch** 1983; 97(1):49–64
[Dynamics of morphological changes in the adrenal glands and lymphoid organs during immobilization stress in rats] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Jul; 85(7):67–72 (Eng. Abstr.) **(Rus)**
[Changes in the structure of the lymphoid organs of rats during prolonged hypokinesia] Durnova GN, et al.
Arkh Anat Gistol Embriol 1983 Aug;85(8):17–21 (Eng. Abstr.) **(Rus)**
[Effect of noise-induced stress on the quantitative characteristics of rat brain synapses] Kuvaeva OF, et al.
Biull Eksp Biol Med 1984 Jun;97(6):748–9 (Eng. Abstr.) **(Rus)**
[Effect of chronic stress on cell division in corneal and tongue epithelia] Mel'nik EI, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):93–4 (Eng. Abstr.) **(Rus)**
[Structural changes in tissue components of the nephrons after thermal stress in different periods of postnatal development] Mkrtchan OZ. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):50–3 (Eng. Abstr.) **(Rus)**
[Morphological characteristics of the granular endoplasmic reticulum in sympathetic neurons after stress] Mikulajová M, et al. **Bratisl Lek Listy** 1984 May;81(5):536–47 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Immediate increase of thyroid hormone release during acute stress in rats: effect of biogenic amines rather than that of TSH? Langer P, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):443–9
Some notes on the hormonal and haemodynamic responses to stressful stimuli. Werner O.
Acta Obstet Gynecol Scand [Suppl] 1984;118:107–9
Light and darkness effect on adrenocortical secretion of rats exposed to stress. Paluch A, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):431–5
Plasma catecholamines and hemodynamic responses to stress states in man. Halter JB, et al.
Acta Physiol Scand [Suppl] 1984;527:31–8
Effect of intracerebroventricular impromidine on pituitary-adrenocortical response to stress in rats. Bugajski J, et al. **Agents Actions** 1984 Jun;14(5–6):569–73
Effects of respirators under heat/work conditions. James R, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):399–404
Genetic variation, chronic stress, and the central and peripheral noradrenergic systems. Blizard DA, et al.
Am J Physiol 1983 Oct;245(4):R600–5
Effects of surgical stress and insulin on cardiovascular function and norepinephrine kinetics. Christensen NJ, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E29–34
Islet function and stress hyperglycemia: plasma glucose and epinephrine interaction. Halter JB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E47–52 (43 ref.)
Vasopressin and urine flow rate responses to stress in conscious dogs. Koepke JP, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 2):F213–8
Interactions of cold exposure and starvation on glucose tolerance and insulin response. Vallerand AL, et al.
Am J Physiol 1983 Dec;245(6):E575–81
Gastric mucosal protection with chronic mild restraint: role of endogenous prostaglandins. Wallace JL, et al.
Am J Physiol 1984 Aug;247(2 Pt 1):G127–32
Stress suppression of growth hormone secretion in the rat: effects of disruption of inhibitory noradrenergic afferents to the median eminence. Day TA, et al.
Aust J Biol Sci 1983;36(5–6):525–30
Aerobic fitness and the hypohydration response to exercise-heat stress. Cadarette BS, et al.
Aviat Space Environ Med 1984 Jun;55(6):507–12
Coagulation and fibrinolytic responses to exercise and cold exposure. Mangum M, et al. **Aviat Space Environ Med** 1984 Apr;55(4):291–5
Persistence of flavor neophobia as an indicator of state-dependent retention induced by pentobarbital, stress, and estrus. Morilak DA, et al. **Behav Neural Biol** 1983 May; 38(1):47–60
Morphine analgesia: enhancement by shock-associated cues. Sherman JE, et al. **Behav Neurosci** 1984 Apr;98(2):293–309
O2 consumption, heart rate and subjective ratings under conditions of relaxation and active coping. Hollandsworth JG Jr, et al. **Behav Res Ther** 1984;22(3):281–8
Stress responsivity among dysmenorrheic women at different phases of their menstrual cycle: more ado about nothing. Plante TG, et al. **Behav Res Ther** 1984;22(3):249–58
The differentiation of individual-specific, stimulus-specific, and motivation-specific response patterns in activation processes: an inquiry investigating their stability and possible importance in psychophysiology. Foerster F, et al. **Biol Psychol** 1983 Aug;17(1):1–26
Active and passive coping under different degrees of stress; effects on urinary and plasma catecholamines and ECG T-wave. Hijzen TH, et al. **Biol Psychol** 1984 Feb; 18(1):23–32
Role of catecholamines in the inhibitory effect of immobilization stress on testosterone secretion in rats. Collu R, et al. **Biol Reprod** 1984 Mar;30(2):416–22
Antistress effects of calcitonin. Dupuy B.
Biomed Pharmacother 1983;37(2):54–7 (85 ref.)
Comparison of fentanyl and halothane supplementation to general anaesthesia on the stress response to upper abdominal surgery. Campbell BC, et al. **Br J Anaesth** 1984 Mar;56(3):257–61
Modification of endorphin/enkephalin analgesia and stress-induced analgesia by divalent cations, a cation chelator and an ionophore. Chapman DB, et al.
Br J Pharmacol 1982 Feb;75(2):389–96
Chronic stress enhances apomorphine-induced stereotyped behavior in mice: involvement of endogenous opioids. Cabib S, et al. **Brain Res** 1984 Apr 23;298(1):138–40
The role of stimulus intensity and stress in opioid-mediated analgesia. Levine JD, et al. **Brain Res** 1984 Jun 25; 304(2):265–9
Stress induced analgesia in frogs: a naloxone insensitive system. Pezalla PD. **Brain Res** 1983 Nov 14;278(1–2):354–8
Activating endogenous opioid systems by electroconvulsive shock or footshock stress inhibits recurrent kindled seizures in rats. Shavit Y, et al. **Brain Res** 1984 Jul 9;305(2):203–7
Prenatal exposure to diazepam alters central and peripheral responses to stress in adult rat offspring. Simmons RD, et al. **Brain Res** 1984 Jul 30;307(1–2):39–46
Differential effects of morphine on noradrenaline release in brain regions of stressed and non-stressed rats. Tanaka M, et al. **Brain Res** 1983 Sep 19;275(1):105–15
Regulation of body temperature and nociception induced by non-noxious stress in rat. Vidal C, et al. **Brain Res** 1984 Apr 9;297(1):1–10
Unit-activity in the central amygdalar nucleus of rats in response to immobilization—stress. Henke PG.
Brain Res Bull 1983 Jun;10(6):833–7
Effects of corticosterone on the electrophysiology of hippocampal CA1 pyramidal cells in vitro. Reiheld CT, et al. **Brain Res Bull** 1984 Apr;12(4):349–53
Vasopressin and angiotensin in the control of arterial pressure and regional blood flow in anaesthetized, surgically stressed rats. Pang CC. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1494–500
Altered stress responsiveness in adult rats exposed to ethanol in utero: neuroendocrine mechanisms. Taylor AN, et al. **Ciba Found Symp** 1984;105:47–65
Stress echocardiography with transesophageal atrial pacing: preliminary report of a new method for detection of ischemic wall motion abnormalities. Chapman PD, et al. **Circulation** 1984 Sep;70(3):445–50
Evidence of impaired left ventricular performance after an uninterrupted competitive 24 hour run. Niemelä KO, et al. **Circulation** 1984 Sep;70(3):350–6
Neuroendocrine alterations in systemic disease. Molitch ME, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):825–51 (175 ref.)
The course of differently treated isolated ruptures of the

anterior cruciate ligament as observed by prospective stress radiography. Hejgaard N, et al. **Clin Orthop** 1984 Jan–Feb; (182):236–41

Re–establishment of the stress response in Gallus domesticus after hatching. Freeman BM, et al. **Comp Biochem Physiol [A]** 1984;78(2):267–70

Physiological functions of glucocorticoids in stress and their relation to pharmacological actions. Munck A, et al. **Endocr Rev** 1984 Winter;5(1):25–44 (158 ref.)

Dopamine: an important neurohormone of the sympathoadrenal system. Significance of increased peripheral dopamine release for the human stress response and hypertension. Snider SR, et al. **Endocr Rev** 1983 Summer;4(3):291–309 (155 ref.)

Effect of paraventricular lesions on corticotropin–releasing factor (CRF)–like immunoreactivity in the stalk–median eminence: studies on the adrenocorticotropin response to ether stress and exogenous CRF. Bruhn TO, et al. **Endocrinology** 1984 Jan;114(1):57–62

Stress down–regulates corticosterone receptors in a site–specific manner in the brain. Sapolsky RM, et al. **Endocrinology** 1984 Jan;114(1):287–92

The involvement of opioid delta–receptors in stress induced antinociception in mice. Hart SL, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):283–5

Contribution of different opioid systems to footshock–induced analgesia and motor suppression. Nabeshima T, et al. **Eur J Pharmacol** 1983 Sep 2; 92(3–4):199–205

Adrenal function and the action of propranolol in surgical stress–mediated insulin resistance of glucose utilization by peripheral tissues in vivo. Inhibition of glucose accumulation in skeletal muscle. Schäfer H. **Eur J Pharmacol** 1984 Jun 1;101(3–4):169–76

Rapid and discrete changes in hypothalamic catecholamine nerve terminal systems induced by audiogenic stress, and their modulation by nicotine–relationship to neuroendocrine function. Siegel RA, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):49–56

Acute effects of maternal stress on fetal blood catecholamines and hypothalamic LH–RH content. Rohde W, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):268–74

Prenatal stress and postnatal androgen: effects on reproduction in female rats. Herrenkohl LR, et al. **Experientia** 1984 Jan 15;40(1):101–3

Influence of stress on adrenocortical function in the male tree shrew (Tupaia belangeri). Collins PM, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):450–7

Plasma corticosterone in wild starlings (Sturnus vulgaris) immediately following capture and in relation to body weight during the annual cycle. Dawson A, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):303–8

Stress related involution of lymphoid tissues in Australian marsupial mice. Poskitt DC, et al. **Immunobiology** 1984 May;166(3):286–95

Effect of season on peripheral resistance to localised cold stress. Tanaka M, et al. **Int J Biometeorol** 1984 Feb; 28(1):39–45

The constructs 'stress' and 'coping' as a rationale for nursing activities. Clarke M. **J Adv Nurs** 1984 May;9(3):267–75

Influence of heat stress on exercise–induced changes in regional blood flow in sheep. Bell AW, et al. **J Appl Physiol** 1983 Dec;55(6):1916–23

Mechanisms producing tachycardia in conscious baboons during environmental heat stress. Gorman AJ, et al. **J Appl Physiol** 1984 Feb;56(2):441–6

Significance of the cerebrovascular effects of immobilization stress in the rabbit. Lacombe P, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):397–406

Decrease of morphine–induced prolactin release by a procedure causing prolonged stress. Fekete MI, et al. **J Endocrinol** 1984 May;101(2):169–72

Unconditioned stress–induced analgesia following exposure to brief footshock. Ross RT, et al. **J Exp Psychol [Anim Behav]** 1984 Apr;10(2):127–37

Effect of dietary restriction and stress on body temperature in rats. Volicer L, et al. **J Gerontol** 1984 Mar;39(2):178–82

The role of the adrenal gland in cytoprotection against stress–induced gastric ulcers in rats. Hernandez DE, et al. **J Neurosci Res** 1984;11(2):193–201

Stress, meditation and saliva: a study of separate salivary gland secretions in endodontic patients. Morse DR, et al. **J Oral Med** 1983 Oct–Dec;38(4):150–60

Physiological reactions to stress in subjects with and without myofascial pain dysfunction symptoms. Moss RA, et al. **J Oral Rehabil** 1984 May;11(3):219–32

Fetal response to external mechanical stimuli. Issel EP. **J Perinat Med** 1983;11(5):232–42

Effects of acute and chronic treatments with atenolol and propranolol on cardiovascular responses to handling stress in spontaneously hypertensive rats. Kudo Y, et al. **J Pharmacobiodyn** 1983 Oct;6(10):729–36

Central beta adrenoceptor mediation of the antinatriuretic response to behavioral stress in conscious dogs. Koepke JP, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):73–7

Type A behavior, heart rate and pupillary response: effects of cold pressor and ego threat. Malcolm AT, et al. **J Psychosom Res** 1984;28(1):27–34

The intravenous halothane test as an experimental method for quantifying stress sensitivity in pigs. Gregory NG, et al. **J Sci Food Agric** 1984 Feb;35(2):147–53

Explanation of the pseudohypoaldosteronism (PHA)–stress syndrome with an artificial aldosterone receptor model. Herkner K, et al. **J Steroid Biochem** 1984 Jan;20(1):317–20

Involvement of different mechanisms, opioid and non–opioid forms, in the analgesia induced by footshock (FS) and immobilized–water immersion (IW) stress. Izumi R, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1104–6

Effects of altered brain noradrenaline level on acute stress pathology in rats. Glavin GB, et al. **Kurume Med J** 1983; 30(2):31–4

Glucocorticoid attenuates increases in rat brain noradrenaline turnover induced by intense stress. Nakagawa R, et al. **Kurume Med J** 1983;30(2):45–50

Immobilization stress increases serotonin turnover in the extended brain regions in the rat. Tanaka M, et al. **Kurume Med J** 1983;30(2):35–43

Effects of hypophysectomy and immobilization stress on S–adenosylmethionine levels in rat adrenal glands. Brown SJ, et al. **Life Sci** 1984 Jul 2;35(1):97–104

Dissociation of oxytocin, vasopressin and corticotropin secretion during different types of stress. Gibbs DM. **Life Sci** 1984 Jul 30;35(5):487–91

Graded footshock stress elevates pituitary cyclic AMP and plasma beta–endorphin, beta–LPH corticosterone and prolactin. Kant GJ, et al. **Life Sci** 1983 Dec 26; 33(26):2657–63

Comparisons between warm and cold water swim stress in mice. O'Connor P, et al. **Life Sci** 1984 Aug 6;35(6):631–9

Naloxone inhibition of stress–induced daily torpor. Pivorun EB, et al. **Life Sci** 1984 May 28;34(22):2145–50

Stress–induced opiate administration: a model for endorphin–mediated stress analgesia. Grasing K. **Med Hypotheses** 1984 Mar;13(3):253–5

No role of vasopressin in stress–induced ACTH secretion? [news] Baertschi AJ, et al. **Nature** 1984 Mar 1–7; 308(5954):85–6

Role of endogenous substance P in stress–induced activation of mesocortical dopamine neurones. Bannon MJ, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):791–2

Modulation of stress–induced ACTH release by corticotropin–releasing factor, catecholamines and vasopressin. Rivier C, et al. **Nature** 1983 Sep 22–28; 305(5932):325–7

Rapid adaptation of the stimulatory effect of CO2 on brain norepinephrine metabolism. Stone EA. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):313–5

Spontaneous and induced variations in adrenergic activity. de Leeuw PW, et al. **Neth J Med** 1984;27(4):136–9

The pituitary–adrenal response to novel stimulation and ether stress in young adult and aged rats. Brett LP, et al. **Neurobiol Aging** 1983 Summer;4(2):133–8

The effect of adrenergic and cholinergic antagonists on central histaminergic stimulation of pituitary–adrenocortical response under stress in rats. Bugajski J, et al. **Neuroendocrinology** 1984 Jun;38(6):447–52

Oxytocin unlike vasopressin is a stress hormone in the rat. Lang RE, et al. **Neuroendocrinology** 1983 Oct;37(4):314–6

A role for serotonin in the hypothalamic–pituitary–adrenal response to insulin stress. Yehuda R, et al. **Neuroendocrinology** 1984 Jan;38(1):25–32

Stress: behavioral and biological interactions. McCarty R. **Neurosci Biobehav Rev** 1983 Winter;7(4):483–4

Adaptation to stress and brain noradrenergic receptors. Stone EA. **Neurosci Biobehav Rev** 1983 Winter;7(4):503–9

Evidence that stress augments morphine analgesia by increasing brain tryptophan. Kelly SJ, et al. **Neurosci Lett** 1984 Feb 24;44(3):305–10

Alterations in circadian excretion of urinary variables and physiological indicators of stress following surgery. Farr L, et al. **Nurs Res** 1984 May–Jun;33(3):140–6

A critical review of the concept of stress in psychosomatic medicine. Martin RD. **Perspect Biol Med** 1984 Spring; 27(3):443–64 (36 ref.)

An extension of the stress–homeostasis model based on ethological research. Weisfeld GE. **Perspect Biol Med** 1982 Autumn;26(1):79–97 (75 ref.)

Osmotic regulation of evaporative water loss and body temperature by intracranial receptors in the heat–stressed cat. Doris PA. **Pflugers Arch** 1983 Sep;398(4):337–40

Effect of prolonged exposure to nicotine and stress on the pituitary–adrenocortical response; the possibility of cross–adaptation. Cam GR, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):221–6

Effects of heat–stress on behavior and the pituitary adrenal axis in rats. Galina ZH, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):251–6

Intermittent cold water stress–analgesia in rats: cross–tolerance to morphine. Girardot MN, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):631–3

The role of endogenous opioids in the blockade of reproductive function in the rat following exposure to acute stress. Hulse GK, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):795–9

Influence of chronic immobilization on blood pressure and substance P–like immunoreactivity (SPLIR) in plasma and adrenals of Wistar–rats. Roske I, et al. **Pharmazie** 1983 Jul; 38(7):491

Zinc deficiency and anorexia in rats: normal feeding patterns and stress induced feeding. Essatara MB, et al. **Physiol Behav** 1984 Mar;32(3):469–74

Effects of prenatal stress on reproduction in male and female mice. Politch JA, et al. **Physiol Behav** 1984 Jan;32(1):95–9

Aggression, body temperature, and stress ulcer. Vincent GP, et al. **Physiol Behav** 1984 Feb;32(2):265–8

Analgesia induced by painful stimulation and/or anticipation of pain; different mechanisms are operating. Jakoubek B. **Physiol Bohemoslov** 1984;33(2):171–8

Pathways of stress in the CNS. Sourkes TL. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):389–411

The role of the endogenous opioid system in the human stress response. Cohen MR, et al. **Psychiatr Clin North Am** 1983 Sep;6(3):457–71 (75 ref.)

Predictable and unpredictable shock: behavioral measures of aversion and physiological measures of stress. Abbott BB, et al. **Psychol Bull** 1984 Jul;96(1):45–71

Involvement of dopamine in the antinociceptive response to footshock. Tricklebank MD, et al. **Psychopharmacology (Berlin)** 1984;82(3):185–8

Aerobic fitness affects cardiovascular and catecholamine responses to stressors. Hull EM, et al. **Psychophysiology** 1984 May;21(3):353–60

beta–Endorphin controls vasopressin release during foot shock–induced stress in the rat. Knepel W, et al. **Regul Pept** 1983 Sep;7(1):9–19

Additive effect of nitrogen oxides and cold stress on circulating leukocyte counts in rats. Takano T, et al. **Toxicol Lett** 1983 Jul;17(3–4):289–91

[Changes in the adrenal activity in Selye hypertension induced by immobilization stress with physical loading] Petkova M, et al. **Eksp Med Morfol** 1984;23(2):66–9 (Eng. Abstr.) **(Bul)**

[Effects of dexamethasone and a locus coeruleus lesion on morphine analgesia, electro–acupuncture analgesia and stress analgesia] Di S, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):153–6 (Eng. Abstr.) **(Chi)**

[Effect of microinjection of kainic acid into nucleus raphe dorsalis on electro–acupuncture, morphine and stress analgesia] Yu FS, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):232–5 (Eng. Abstr.) **(Chi)**

[Symptomatology of arterial pressure in acute cerebral stress] Dabadie P, et al. **Agressologie** 1983 Oct;24(9):411–5 (29 ref.) **(Fre)**

[Dynamic and static stress of the spine and its possible effects in various types of sport] Güssbacher A, et al. **Schweiz Z Sportmed** 1983 Dec;31(4):119–24 (Eng. Abstr.) **(Ger)**

[Definition of the stress concept and its use in various areas of medicine] Pickenhain L. **Z Gesamte Inn Med** 1983 Aug 15;38(16):433–6 (Eng. Abstr.) **(Ger)**

[Control of cardiac frequency in work activity at risk of thermal stress] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):569–74 (Eng. Abstr.) **(Ita)**

[Pharmacoprophylaxis of hemorrhage in stress ulcer] Dammann HG, et al. **Clin Ter** 1983 Nov 15;107(3):167–75 (Eng. Abstr.) **(Ita)**

[Stress and neuroendocrinology—the effect of stress on serum LH, FSH and Prl levels] Takahashi A, et al. **Nippon Rinsho** 1983 May;41(5):1015–20 (28 ref.) **(Jpn)**

[Experimental study on gastric submucosal blood flow influenced by autonomic nervous system and catecholamines during development of stress ulcer] Kudo T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr; 81(4):987–95 (Eng. Abstr.) **(Jpn)**

[Effect of blood viscosity on the reduction of gastric mucosal blood flow during stress caused by water immersion] Murakami M. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1221 **(Jpn)**

[Abnormal ECG and adrenaline–induced arrhythmias in restraint and water immersion stressed mice and effects of oxprenolol] Kita T, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):373–82 (Eng. Abstr.) **(Jpn)**

[Effect of night–shift work on selected physiological indicators in power plant workers] Chiżyński K. **Med Pr** 1983;34(4):341–4 (Eng. Abstr.) **(Pol)**

[Effect of prolonged hypokinesia on the growth and skeletal musculature in the rat] Il'ina–Kakueva EI, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):27–33 (Eng. Abstr.) **(Rus)**

[Seasonal dynamics of cellular mitotic activity in the adenohypophysis and adrenal cortex of normal rats and under the stress reaction] Pert VK. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):81–6 (Eng. Abstr.) **(Rus)**

[Prevention of stress–related disorders in the contractile function of non–ischemic areas of the heart during myocardial infarction using gamma–hydroxybutyric acid] Dosmagambetova RS. **Biull Eksp Biol Med** 1983 Dec; 96(12):28–30 (Eng. Abstr.) **(Rus)**

[State of adrenergic innervation of rat mesentery and dura mater during immobilization stress] Khaĭsman EB, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):8–10 (Eng. Abstr.) **(Rus)**

[Prevention of cardiac contractile function disorders during prolonged stress by preliminary adaptation to short–term stress exposure] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):25–8 (Eng. Abstr.) **(Rus)**

[Prevention of depression of the natural killer activity and myocardial contractile function during long–term stress by using preliminary body adaptation to short stress exposures] Meerson FZ, et al. **Doki Akad Nauk SSSR** 1984 Jan–Feb; 274(1):241–3 **(Rus)**

[Morphofunctional characteristics of the adrenergic innervation of the microvessels and terminal blood flow in stress] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1984 Mar-Apr;(2):30-6 (Eng. Abstr.) **(Rus)**

[Occupational stress] Smirnov KM. **Usp Fiziol Nauk** 1984 Jan-Mar;15(1):76-99 (149 ref.) **(Rus)**

[Functional and morphological aspects of the general adaptation syndrome (stress) in perinatal pathology] Fedotov AF, et al. **Vrach Delo** 1983 Sep;(9):15-8 (Eng. Abstr.) **(Rus)**

[Mikroiontophoretic analysis of the interrelation between spike activity and chemical sensitivity of neurons of the medial thalamus to acetylcholine and noradrenaline in alert rats] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug; 33(4):743-51 (Eng. Abstr.) **(Rus)**

[Adaptive changes in the pulse and skin temperature during pediatric examinations and dental treatment in children] Buchanec J, et al. **Bratisl Lek Listy** 1983 Oct;80(4):473-85 (Eng. Abstr.) **(Slo)**

[Role of the cerebral amygdaloid complex in the plasma corticosterone response to ether inhalation stress] Varo A, et al. **Arch Neurobiol (Madr)** 1983 Nov-Dec;46(6):385-94 (Eng. Abstr.) **(Spa)**

[Stress caused by posterior hypothalamus stimulation in adrenalectomized dogs: the role of the sympathetic nervous system] Cicardo VH, et al. **Medicina (B Aires)** 1983; 43(2):163-7 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[From the Veterinary Chief Inspection of Public Health and the Board of the Veterinary Service. The use of tranquilizers (calming agents) in slaughtering pigs] **Tijdschr Diergeneeskd** 1983 Dec 1;108(23):925 **(Dut)**

[Prevention of stress damage and increasing body endurance in physical load by chemical factors] Meerson FZ. **Patol Fiziol Eksp Ter** 1984 Jan-Feb;(1):11-9 **(Rus)**

PSYCHOLOGY

Multiple assessment of coping strategies used by volunteer blood donors: implications for preparatory training. Kaloupek DG, et al. **J Behav Med** 1984 Mar;7(1):35-60

An inpatient educational group on stress & coping. Hoover RM, et al. **J Psychosoc Nurs Ment Health Serv** 1984 Jun; 22(6):17-22

Role of orienting and defensive components in open field behavior of albino rats. Titov SA, et al. **Neurosci Behav Physiol** 1983 Jan-Feb;13(1):29-33

Anticipatory stress and vigilance. Singh IL. **Percept Mot Skills** 1984 Apr;58(2):574

Men in extreme conditions: some medical and psychological aspects of the Auschwitz concentration camp. Radil-Weiss T. **Psychiatry** 1983 Aug;46(3):259-69

RADIOTHERAPY

Effect of a mild dose of X-irradiation on rats under stress. Khan NA, et al. **Strahlentherapie** 1984 Mar;160(3):195-8

THERAPY

Branched chain metabolic support. A prospective, randomized, double-blind trial in surgical stress. Cerra FB, et al. **Ann Surg** 1984 Mar;199(3):286-91

Assessment of caloric needs in stressed patients. Paauw JD, et al. **J Am Coll Nutr** 1984;3(1):51-9

Interventions to alleviate patients' stress: a review. Wilson-Barnett J. **J Psychosom Res** 1984;28(1):63-72 (49 ref.)

Stress ulcers in intensive care (etiology, symptomatology and therapy). Mircea N, et al. **Resuscitation** 1984 May; 12(1):59-76

Stress management, cutting a long story short. Monesi F. **Riv Med Aeronaut Spaz** 1982 Jan-Dec;47(1-4):113-30

URINE

Exercise increases endogenous urinary monoamine oxidase benzodiazepine receptor ligand inhibitory activity in normal children. Armando I, et al. **J Auton Nerv Syst** 1984 Jul;11(1):95-100

Decrease in urinary excretion of ascorbic acid and histamine in rats after repeated immobilization stress. Suzuki S, et al. **J Nutr** 1984 Feb;114(2):441-6

[Stress and urolithiasis] Schmucki O, et al. **Urol Int** 1984; 39(3):159-64 (Eng. Abstr.) **(Ger)**

VETERINARY

Suppressed lymphocyte blastogenic responses and enhanced in vitro growth of infectious bovine rhinotracheitis virus in stressed feeder calves. Blecha F, et al. **Am J Vet Res** 1983 Nov;44(11):2145-8

Evaluation of the heterophil/lymphocyte ratio as a measure of stress in chickens. Gross WB, et al. **Avian Dis** 1983 Oct-Dec;27(4):972-9

Effect of acute stress on catecholamine content in the hypothalamic nuclei of Japanese quail. Juráni M, et al. **Br Poult Sci** 1984 Jan;25(1):91-8

Effect of glucocorticoid, insulin and glucose treatment on muscle glycogen content in stressed young bulls. Tarrant PV, et al. **Br Vet J** 1984 Jul-Aug;140(4):337-46

Halothane and halothane/succinylcholine induced malignant hyperthermia (porcine stress syndrome) in a population of Ontario boars. Seeler DC, et al. **Can J Comp Med** 1983 Jul;47(3):284-90

Behavioral manipulation of the diabetic phenotype in ob/ob mice. Surwit RS, et al. **Diabetes** 1984 Jul;33(7):616-8

Lack of peripheral sympathetic control of uterine blood flow during acute heat stress. Brown DE, et al. **J Anim Sci** 1984 Jul;59(1):182-8

Effects of heat stress during pregnancy on postpartum reproductive changes in Holstein cows. Lewis GS, et al. **J Anim Sci** 1984 Jan;58(1):174-86

Ruminant heat stress: effect on production and means of alleviation. Morrison SR. **J Anim Sci** 1983 Dec; 57(6):1594-600 (55 ref.)

Comparison of physiological indicators of chronic stress in confined and nonconfined gilts. Rampacek GB, et al. **J Anim Sci** 1984 Feb;58(2):401-8

Further evidence on the inheritance of halothane reaction in pigs. Reik TR, et al. **J Anim Sci** 1983 Oct;57(4):826-31

Environmental stress and the physiology, performance and health of ruminants. Webster AJ. **J Anim Sci** 1983 Dec; 57(6):1584-93 (33 ref.)

Ruminant cold stress: effect on production. Young BA. **J Anim Sci** 1983 Dec;57(6):1601-7 (51 ref.)

Tail lesions in C3H/He mice. Koopman JP, et al. **Lab Anim** 1984 Apr;18(2):106-9

Physiological responses of experimental fish to stressful conditions. Gratzek JB, et al. **Natl Cancer Inst Monogr** 1984 May;65:187-93

Involvement of the thyroid gland in the response of young chickens to heat stress. Bowen SJ, et al. **Poult Sci** 1984 Jan;63(1):66-9

Genetics of heat tolerance in Japanese quail. Bowen SJ, et al. **Poult Sci** 1984 Mar;63(3):430-5

Preconditioning to heat stress by a nontemperature stressor. Bowen SJ, et al. **Poult Sci** 1984 May;63(5):917-9

Failure to induce stress reactions following vaccination against Marek's disease or Newcastle disease. Freeman BM, et al. **Res Vet Sci** 1984 Mar;36(2):247-50

Platelet morphology and membrane bound calcium in porcine stress syndrome. Basrur PK, et al. **Scan Electron Microsc** 1983;(Pt 1):209-14

Fading puppy complex [letter] Cruickshank AK. **Vet Rec** 1983 Oct 15;113(16):381

Stress of transportation for broilers. Freeman BM, et al. **Vet Rec** 1984 Mar 24;114(12):286-7

[Tranquilizers in the transport of slaughtering pigs: a problem of residues?] Rauws AG. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):659-64 (Eng. Abstr.) **(Dut)**

[Halothane test in the selection of stress-negative swine] de Roose P, et al. **DTW** 1984 May 7;91(5):198-200, 203 (Eng. Abstr.) **(Ger)**

[Studies on magnesium. 2. Effect of magnesium chloride and magnesium aspartate hydrochloride on stress reactions] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Jun; 31(5):321-33 (Eng. Abstr.) **(Ger)**

[Studies on magnesium. 3. Effect of magnesium aspartate hydrochloride on stress reactions in magnesium-deficient animals] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1984 Jun;31(5):334-9 (Eng. Abstr.) **(Ger)**

[Stress-protecting effects of orally administered zinc bacitracin in rats] Kaemmerer K, et al. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):712-21 (Eng. Abstr.) **(Ger)**

STRESS DISORDERS, POST-TRAUMATIC

Neuropsychiatrical implications of the state of war. Voiculescu V. **Endocrinologie** 1983 Jul-Sep;21(3):217-9

Neuropsychiatric implications of the state of war. Voiculescu V. **Med Interne** 1983 Jul-Sep;21(3):241-3

Neuropsychiatrical implications of the state of war. Voiculescu V. **Morphol Embryol (Bucur)** 1983 Oct-Dec; 29(4):283-5

Neuropsychiatric implications of the state of war. Voiculescu V. **Physiologie** 1983 Oct-Dec;20(4):283-5

Neuropsychiatrical implications of the state of war. Voiculescu V. **Virologie** 1984 Jan-Mar;35(1):77-9

COMPLICATIONS

Posttraumatic stress disorder found in general hospital psychiatric consultations [letter] Burstein A. **Am J Psychiatry** 1984 May;141(5):722-3

Comment on Roy's 'Alcohol misuse and posttraumatic stress disorder (delayed): an alternative interpretation of the data'. Lacoursiere RB, et al. **J Stud Alcohol** 1984 May;45(3):283-4

Alcohol misuse and posttraumatic stress disorder: a response to Lacoursiere and Coyne. Roy RE. **J Stud Alcohol** 1984 May;45(3):285-7

[A case of stress-induced universal alopecia (letter)] Vallecorsi G. **Minerva Med** 1983 Sep 22;74(36):2113 **(Ita)**

[Prevention of stress disorders of myocardial contractile function using membrane protectors] Meerson FZ, et al. **Kardiologiia** 1983 Jul;23(7):86-90 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnosis of posttraumatic stress disorder in Viet Nam veterans: preliminary findings. Atkinson RM, et al. **Am J Psychiatry** 1984 May;141(5):694-6

On confronting the Viet Nam veteran [letter] Early E. **Am J Psychiatry** 1984 Mar;141(3):472-3

Posttraumatic stress disorder among survivors of Cambodian concentration camps. Kinzie JD, et al. **Am J Psychiatry** 1984 May;141(5):645-50

Post-traumatic stress disorder. Bussey G. **Hawaii Med J** 1983 Jul;42(7):166-7

Factitious posttraumatic stress disorder: the veteran who never got to Vietnam. Lynn EJ, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):697-701

Posttraumatic stress disorder [letter] White NS. **Hosp Community Psychiatry** 1983 Nov;34(11):1061-2

Factor-analytic support for DSM-III's post-traumatic stress disorder for Vietnam veterans. Silver SM, et al. **J Clin Psychol** 1984 Jan;40(1):5-14

Stress-disorder symptoms in Vietnam and Korean war veterans: a commentary on Thienes-Hontos, Watson, and Kucala. Carroll E. **J Consult Clin Psychol** 1983 Aug; 51(4):616-8

Validation of a multimethod assessment of posttraumatic stress disorders in Vietnam veterans. Malloy PF, et al. **J Consult Clin Psychol** 1983 Aug;51(4):488-94

Post-traumatic stress disorder in Hispanic Vietnam veterans. Clinical phenomenology and sociocultural characteristics. Escobar JI, et al. **J Nerv Ment Dis** 1983 Oct;171(10):585-96

Dissociated rage attacks in a Vietnam veteran: a Rorschach study. Salley RD, et al. **J Pers Assess** 1984 Feb; 48(1):98-104

For the Viet Nam veteran the war goes on. Keltner NL, et al. **Perspect Psychiatr Care** 1983 Jul-Sep;21(3):108-13

Traumatic neurosis and other injuries. Modlin HC. **Psychiatr Clin North Am** 1983 Dec;6(4):661-82

DRUG THERAPY

Use of MAOIs [letter] Shen WW, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):854

Psychopharmacology. Psychopharmacological issues in posttraumatic stress disorder. van der Kolk BA. **Hosp Community Psychiatry** 1983 Aug;34(8):683-4, 691 (11 ref.)

ETIOLOGY

The traumatic aftereffects of collision at sea. Hoiberg A, et al. **Am J Psychiatry** 1984 Jan;141(1):70-3

Proximate cause and traumatic neurosis. Sidley NT. **Bull Am Acad Psychiatry Law** 1983;11(3):197-206

The bus driver syndrome: a Belfast phenomenon. Mackey EA. **Ir Med J** 1983 Dec;76(12):492-3

Etiology of posttraumatic stress disorder in Vietnam veterans: analysis of premilitary, military, and combat exposure influences. Foy DW, et al. **J Consult Clin Psychol** 1984 Feb;52(1):79-87

[Chronic depressive state caused by decompensation after an airplane hijacking] Vidart L, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):274-7 **(Fre)**

FAMILIAL & GENETIC

[From concretism to metaphor. Thoughts on psychoanalytic work with descendants of the holocaust generation—on the occasion of a new development] Grubrich-Simitis I. **Psyche (Stuttg)** 1984 Jan;38(1):1-28 (Eng. Abstr.) **(Ger)**

HISTORY

[War hysteria. Comparative study of its manifestations during the last 2 world conflicts] Lefebvre P, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):262-6 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Psychiatric effects of the civil war in Lebanon. Nasr S, et al. **Psychiatr J Univ Ottawa** 1983 Dec;8(4):208-12

PSYCHOLOGY

Self-inflicted ocular injuries. A rare form of self-mutilation. Leslie J, et al. **Am J Forensic Med Pathol** 1984 Mar; 5(1):83-8

Relationship of psychological processes during delirium to outcome. Blank K, et al. **Am J Psychiatry** 1984 Jul; 141(7):843-7

Combat adaptations of Vietnam veterans without posttraumatic stress disorders. Hendin H, et al. **Am J Psychiatry** 1984 Aug;141(8):956-9

Chowchilla revisited: the effects of psychic trauma four years after a school-bus kidnapping. Terr LC. **Am J Psychiatry** 1983 Dec;140(12):1543-50

Nightmares and trauma: a comparison of nightmares after combat with lifelong nightmares in veterans. var. der Kolk B, et al. **Am J Psychiatry** 1984 Feb;141(2):187-90

Combat never ends: the paranoid adaptation to posttraumatic stress. Hendin H. **Am J Psychother** 1984 Jan;38(1):121-31

Mount Saint Helens's ashfall. Evidence for a disaster stress reaction. Adams PR, et al. **Am Psychol** 1984 Mar; 39(3):252-60

Posttraumatic stress disorder. Emerging from the rhetoric. Van Putten T, et al. **Arch Gen Psychiatry** 1984 Apr; 41(4):411-3

Some problems associated with war experience in men of the Vietnam generation. Yager T, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):327-33

Guilty verdict in a murder committed by a veteran with Post-traumatic Stress Disorder. Grant BL, et al.

Bull Am Acad Psychiatry Law 1983;11(4):355–8
The reliving experience in Vietnam veterans with posttraumatic stress disorder. Hendin H, et al. **Compr Psychiatry** 1984 Mar–Apr;25(2):165–73
The influence of precombat personality on posttraumatic stress disorder. Hendin H, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):530–4
Dream disturbances and flashbacks [letter] Burstein A. **J Clin Psychiatry** 1984 Jan;45(1):46
Some preliminary data on the psychological characteristics of Vietnam veterans with posttraumatic stress disorders. Fairbank JA, et al. **J Consult Clin Psychol** 1983 Dec; 51(6):912–9
War stress and trauma: the Vietnam veteran experience. Laufer RS, et al. **J Health Soc Behav** 1984 Mar;25(1):65–85
Survival guilt and the Vietnam veteran. Glover H. **J Nerv Ment Dis** 1984 Jul;172(7):393–7
The impact of combat on later alcohol use by Vietnam veterans. Helzer JE. **J Psychoactive Drugs** 1984 Apr–Jun; 16(2):183–91
Vietnam. The human fallout. Mullis MR. **J Psychosoc Nurs Ment Health Serv** 1984 Feb;22(2):27–31
The Ash Wednesday bushfires in South Australia. Implications for planning for future post–disaster services. McFarlane AC. **Med J Aust** 1984 Sep 1;141(5):286–91
Psychosocial aspects of disaster. Some Australian studies, and the Ash Wednesday bushfires [editorial] Raphael B. **Med J Aust** 1984 Sep 1;141(5):268–70
The Ash Wednesday bushfires in Victoria. Valent P. **Med J Aust** 1984 Sep 1;141(5):291–300
Chronic post–traumatic stress disorders among active duty Vietnam veterans: case reports. Kleiger JH. **Milit Med** 1984 Mar;149(3):159–61
The post–traumatic stress disorders of combat: a subgroup with a conditioned emotional response. Kolb LC. **Milit Med** 1984 May;149(5):237–43
Anxiety as a factor in the incidence of combat cold injury: a review. Sampson JB. **Milit Med** 1984 Feb;149(2):89–91 (18 ref.)
Battle stress reaction and the United States Army. Schneider RJ, et al. **Milit Med** 1984 Feb;149(2):66–9
A psychophysiological study of post traumatic stress disorder in Vietnam veterans. Blanchard EB, et al. **Psychiatr Q** 1982 Winter;54(4):220–9
The Vietnam veteran: memory, social context, and metaphor. Holloway HC, et al. **Psychiatry** 1984 May;47(2):103–8
Public health legacy of the Vietnam War: post–traumatic stress disorder and implications for Appalachians. Sumrok D, et al. **W Va Med J** 1983 Sep;79(9):191–8
Sexual assault trauma and trauma change. Ruch LO, et al. **Women Health** 1983 Winter;8(4):5–21
[Dreams and nightmares of war: a clinical and etiopathogenetic approach to traumatic neuroses] Barrois C. **Ann Med Psychol (Paris)** 1984 Feb;142(2):222–9 **(Fre)**

[Posttraumatic neurosis] Cohen A, et al. **Ann Med Psychol (Paris)** 1983 Jul–Aug;141(7):803–9 **(Fre)**

[Buffalo Creek] Pelicier Y. **Ann Med Psychol (Paris)** 1984 Feb;142(2):271–4 **(Fre)**

[Post–traumatic stress disorders: etiology, development and clinical manifestations] Garcia–Palmieri R. **Bol Asoc Med PR** 1984 Apr;76(4):161–4 (Eng. Abstr.) **(Spa)**

[Post–traumatic stress disorders in veterans of the Vietnam War] García–Palmieri R. **Bol Asoc Med PR** 1984 Jun; 76(6):252–5 (Eng. Abstr.) **(Spa)**

REHABILITATION

A model of recovery for the total rehabilitation of individuals with head trauma. Long CJ, et al. **J Rehabil** 1984 Jan–Mar; 50(1):39–45, 70

THERAPY

Treatment of posttraumatic stress disorder. Evaluating outcome with a behavioral code. Fairbank JA, et al. **Behav Modif** 1983 Oct;7(4):557–68
A psychodynamic view of character pathology in Vietnam combat veterans [letter] Grinker RR Sr, et al. **Bull Menninger Clin** 19[illegible] Sep;47(5):472–4
An assessment of the treatment needs of Vietnam–era veterans. Blum MD, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):691–6
Mental health care in the Lebanon War, 1982. Noy S, et al. **Isr J Med Sci** 1984 Apr;20(4):360–3
Return of the repressed: delayed stress reaction to war. Kolb LC. **J Am Acad Psychoanal** 1983 Oct;11(4):531–45
A specific military installation for treatment of combat reactions during the war in Lebanon. Neumann M, et al. **Milit Med** 1984 Apr;149(4):196–9
Practical training in the management of psychiatric combat casualties. Small RH. **Milit Med** 1984 May;149(5):276–9
Multiple personality as a post–traumatic stress disorder. Spiegel D. **Psychiatr Clin North Am** 1984 Mar;7(1):101–10
[Development of concepts concerning the treatment of acute psychologic war injuries in the operational area] Lefebvre P, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):254–7 **(Fre)**

STRESS, MECHANICAL

Minimal deformations in certain areas of the orofacial skeleton. Keros–Naglić J, et al. **Acta Med Iugosl** 1984; 38(1):3–10
Effects of compression on growth plates in the rabbit. Bonnel F, et al. **Acta Orthop Scand** 1983 Oct;54(5):730–3
Axial compression in femoral neck osteotomies. A biomechanic study in human cadaver hips. Frandsen PA, et al. **Acta Orthop Scand** 1983 Oct;54(5):703–7
Compressive strength of tibial cancellous bone. Instron and osteopenetrometer measurements in an autopsy material. Hvid I, et al. **Acta Orthop Scand** 1983 Dec;54(6):819–25
The stress–protecting effect of metal plates on the intact rabbit tibia. Terjesen T, et al. **Acta Orthop Scand** 1983 Dec; 54(6):810–8
Stress–protection after external fixation on the intact rabbit tibia. Terjesen T, et al. **Acta Orthop Scand** 1983 Aug; 54(4):648–54
Oscillographic visualization of forces during loading of the foot by body weight. Rybka V. **Acta Univ Carol [Med] (Praha)** 1982;28(7–8):489–521
Stress and strain in the mandibular symphysis of primates: a test of competing hypotheses. Hylander WL. **Am J Phys Anthropol** 1984 May;64(1):1–46
Stress in the human elbow joint. II. Proximal radio–ulnar joint. Bartz B, et al. **Anat Embryol (Berl)** 1984;169(3):309–18
Stressing on the human femoro–patellar joint. I. Components of a vertical and horizontal tensile bracing system. Blauth M, et al. **Anat Embryol (Berl)** 1983;168(1):117–23
Changes in the pattern of SDH and PhR staining in fibres of rat masseter muscle following long–term functional stretch. Akagawa Y, et al. **Arch Oral Biol** 1983;28(5):447–51
The stability of the shoulder joint in stress radiography. Adler H, et al. **Arch Orthop Trauma Surg** 1984;103(2):83–4
Mechanical effects of reaming and implantation of acrylic cement into the medullary cavity of bones. Reikerås O. **Arch Orthop Trauma Surg** 1984;103(2):120–4
Clinical diagnosis, arthrography, stress examination and surgical findings after inversion trauma of the ankle. van den Hoogenband CR, et al. **Arch Orthop Trauma Surg** 1984; 103(2):115–9
In vitro biaxial stress–strain response of human skin. Schneider DC, et al. **Arch Otolaryngol** 1984 May; 110(5):329–33
Effects of static and cyclic compressive loading on articular cartilage plugs in vitro. Palmoski MJ, et al. **Arthritis Rheum** 1984 Jun;27(6):675–81
Integrity of arterial endothelium following acute exposure to high shear stress. Langille LB. **Biorheology** 1984; 21(3):333–46
Effects of active and passive wall stress changes on the rhythmic mechanical activity of the pressurized rat tail artery. Burger W, et al. **Blood Vessels** 1984;21(5):231–45
In vitro strain distribution in the proximal tibia. Effect of varus–valgus loading in the normal and osteoarthritic knee. Bourne RB, et al. **Clin Orthop** 1984 Sep;(188):285–92
Role of the menisci in the distribution of stress in the knee. Radin EL, et al. **Clin Orthop** 1984 May;(185):290–4
Approaches to the interface problem in total joint arthroplasty. Walker PS, et al. **Clin Orthop** 1984 Jan–Feb; (182):99–108
Effects of physical stress on the synthesis and degradation of cartilage matrix. Vasan N. **Connect Tissue Res** 1983; 12(1):49–58
Axonal growth in response to experimentally applied mechanical tension. Bray D. **Dev Biol** 1984 Apr; 102(2):379–89
The effect of ovarian hormones on stress relaxation in the uterus of the pregnant rat. Tamada H, et al. **Endocrinol Jpn** 1983 Aug;30(4):537–42
Cancellous bone strength at the proximal human tibia. Hvid I, et al. **Eng Med** 1984 Jan;13(1):21–5
On the choice of strain energy function for mechanical characterisation of soft biological tissues. Sahay KB. **Eng Med** 1984 Jan;13(1):11–4 (29 ref.)
The effects of stretch on smooth muscle. Arjamaa O. **Gen Pharmacol** 1984;15(2):75–7
The effect of metal backing on stresses in polyethylene acetabular components. Bartel DL, et al. **Hip** 1983;:229–39
Volitional postures during maximal push/pull exertions in the sagittal plane. Chaffin DB, et al. **Hum Factors** 1983 Oct;25(5):541–50
Biomechanical stresses as related to motion trajectory of lifting. Garg A, et al. **Hum Factors** 1983 Oct;25(5):527–39
Maximum frequencies acceptable to males for one–handed horizontal lifting in the sagittal plane. Mital A, et al. **Hum Factors** 1983 Oct;25(5):563–71
Occupational musculoskeletal stress and disorders of the neck and shoulder: a review of possible pathophysiology. Hagberg M. **Int Arch Occup Environ Health** 1984; 53(3):269–78 (65 ref.)
The deformation of external fixation devices during loading. Karaharju EO, et al. **Int Orthop** 1983;7(3):179–83
Strain measurement in the medial collateral ligament of the human knee: an autopsy study. Arms S, et al. **J Biomech** 1983;16(7):491–6
The hemodynamic forces acting on thrombi, from incipient attachment of single cells to maturity and embolization. Basmadjian D. **J Biomech** 1984;17(4):287–98
Model for static lifting: relationship of loads on the spine and the knee. Bejjani FJ, et al. **J Biomech** 1984;17(4):281–6
Bone stress in the horse forelimb during locomotion at different gaits: a comparison of two experimental methods. Biewener AA, et al. **J Biomech** 1983;16(8):565–76
Finite element studies of some juxtarticular stress changes due to localized subchondral stiffening. Brown TD, et al. **J Biomech** 1984;17(1):11–24
A dynamic biomechanical evaluation of lifting maximum acceptable loads. Freivalds A, et al. **J Biomech** 1984; 17(4):251–62
The relationship between elastic properties and microstructure of bovine cortical bone. Lipson SF, et al. **J Biomech** 1984;17(4):231–40
Stress wave propagation in bone. Pelker RR, et al. **J Biomech** 1983;16(7):481–9
In–vitro wall shear measurements at aortic valve prostheses. Tillmann W, et al. **J Biomech** 1984;17(4):263–79
In–vitro measurement of static pressure distribution in synovial joints—Part II: Retropatellar surface. Ahmed AM, et al. **J Biomech Eng** 1983 Aug;105(3):226–36
In–vitro measurement of static pressure distribution in synovial joints—Part I: Tibial surface of the knee. Ahmed AM, et al. **J Biomech Eng** 1983 Aug;105(3):216–25
Three–dimensional stress distribution in arteries. Chuong CJ, et al. **J Biomech Eng** 1983 Aug;105(3):268–74
Incremental elastic modulus for isotropic elastic bodies with application to arteries. Demiray H. **J Biomech Eng** 1983 Aug;105(3):308–9
Age–dependent influence of strain rate on the tensile failure of rat–tail tendon. Haut RC. **J Biomech Eng** 1983 Aug; 105(3):296–9
Histological staining as a measure of stress in collagen fibers. Lanir Y, et al. **J Biomech Eng** 1984 May;106(2):174–6
Soft tissue strain and facet face interaction in the lumbar intervertebral joint—Part II: Calculated results and comparison with experimental data. Tencer AF, et al. **J Biomech Eng** 1983 Aug;105(3):210–5
Soft tissue strain and facet face interaction in the lumbar intervertebral joint—Part I: Input data and computational technique. Tencer AF, et al. **J Biomech Eng** 1983 Aug; 105(3):201–9
The lifting stress calculator. Bejjani FJ, et al. **J Biomed Eng** 1984 Jul;6(3):219–22
The influence of prosthetic stem stiffness and of a calcar collar on stresses in the proximal end of the femur with a cemented femoral component. Lewis JL, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):280–6
Regulation of bone formation by applied dynamic loads. Rubin CT, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):397–402
Influence of hemodynamic forces on vascular endothelial function. In vitro studies of shear stress and pinocytosis in bovine aortic cells. Davies PF, et al. **J Clin Invest** 1984 Apr;73(4):1121–9
Spiral fracture of the distal tibia: an unusual stress fracture. Spector FC, et al. **J Foot Surg** 1983 Winter;22(4):358–61
Morphological variations in ulnar supinator crests and fossae as identifying markers of occupational stress. Kennedy KA. **J Forensic Sci** 1983 Oct;28(4):871–6
Some histological changes in carpal tunnel contents and their biomechanical implications. Armstrong TJ, et al. **J Occup Med** 1984 Mar;26(3):197–201
Morphologic alteration of cultured arterial smooth muscle cells by cyclic stretching. Sottiurai VS, et al. **J Surg Res** 1983 Dec;35(6):490–7
Simple technique for measuring regional contractility by a modified strain guage arch. Kusachi S, et al. **Jpn Circ J** 1984 Jan;48(1):43–8
Ultrastructure and mechanical properties of chordae tendineae from a myxomatous tricuspid valve. Lim KO, et al. **Jpn Heart J** 1983 Jul;24(4):539–48
Overuse injuries in athletes: a perspective. Stanish WD. **Med Sci Sports Exerc** 1984;16(1):1–7
Mechanical and metallurgical properties of vascular clips designed for temporary use. Dujovny M, et al. **Microsurgery** 1983;4(2):124–33
Response of cultured endothelial cells to steady flow. Eskin SG, et al. **Microvasc Res** 1984 Jul;28(1):87–94
Induction of human vascular endothelial stress fibres by fluid shear stress. Franke RP, et al. **Nature** 1984 Feb 16–22; 307(5952):648–9
Blow–in and blow–out fractures of the orbit: clinical correlations and proposed mechanisms. Raflo GT. **Ophthalmic Surg** 1984 Feb;15(2):114–9
Compression stresses in the posterior elements and pathologic consequences. Jayson MI. **Spine** 1983 Apr;8(3):338–9
Relocation of the bending axis during flexion–extension of lumbar intervertebral discs and its implications for prolapse. Klein JA, et al. **Spine** 1983 Sep;8(6):659–64
Dynamic loading as a possible source of low–back disorders. Sandover J. **Spine** 1983 Sep;8(6):652–8
Stress analysis of the lumbar disc–body unit in compression. A three–dimensional nonlinear finite element study. Shirazi–Adl SA, et al. **Spine** 1984 Mar;9(2):120–34
[Patellar stress. Pathogenic hypothesis of femoropatellar arthritis] Blaimont P, et al. **Acta Orthop Belg** 1983 Jul–Aug; 49(4):437–46 (Eng. Abstr.) **(Fre)**
[An unusual case of bilateral fatigue fracture of the astragalus. New data on fatigue fractures (letter)] Doury P, et al. **Presse Med** 1984 Mar 31;13(14):885–6 **(Fre)**
[Rotational stability following surgery of femoral neck fractures] Wondrák E, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:223–32 **(Ger)**

[Stress analysis of the shoulder blade following shoulder joint replacement] Rohlmann A, et al. **Biomed Tech (Berlin)** 1983 Oct;28(10):224–34 (Eng. Abstr.) **(Ger)**

[Static load on human cadaver femora with implanted hip endoprosthesis shafts in various forms] Dienel RB, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(4):219–26 (Eng. Abstr.) **(Ger)**

[Stress fractures in women] Stein M, et al. **Harefuah** 1984 May 1;106(9):412–3 (Eng. Abstr.) **(Heb)**

[Comparative evaluation of overstrain of the lumbosacral spine in recruits and soldiers] Gałęcki J. **Ann Acad Med Stetin** 1980;26:477–97 (Eng. Abstr.) **(Pol)**

[Biomechanics of the ankle joint and pathomorphology of its injuries] Modrzewski K. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):461–70 (Eng. Abstr.) **(Pol)**

STRESS PROTEINS see **HEAT-SHOCK PROTEINS**

STRESS, PSYCHOLOGICAL

see related
CROWDING
LIFE CHANGE EVENTS

Utilization of medical care following the Three Mile Island crisis. Houts PS, et al. **Am J Public Health** 1984 Feb; 74(2):140–2

Feeling bad: exploring sources of distress among pre-adolescent children. Lewis CE, et al. **Am J Public Health** 1984 Feb;74(2):117–22

Crisis: what it is and is not. Geissler EM. **ANS** 1984 Jul; 6(4):1–9

When we touch life's raw edge. Peterick E. **AORN J** 1983 Dec;38(6):947–50

Eggs, serum lipids, emotional stress, and blood pressure in medical students. Flynn MA, et al. **Arch Environ Health** 1984 Mar–Apr;39(2):90–5

Expectations. Part 1: Hurry. McGrath WB. **Ariz Med** 1984 Jul;41(7):478–9

Role of cold and emotional stress in Raynaud's disease and scleroderma. Freedman RR, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1499–502

Psychosocial stress in pregnancy and its relation to low birth weight [letter] Gallacher J, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1999–2000

Assessing the consultation: method for measuring changes in patient stress and arousal. Pringle M, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1657–8

Psychological implications of nuclear accidents: the case of Three Mile Island. Dohrenwend BP. **Bull NY Acad Med** 1983 Dec;59(10):1060–76

Sports psychology and the elite athlete. Waitley DE, et al. **Clin Sports Med** 1983 Mar;2(1):87–99

Reported health, life-style and occupational stress in prison officers. Webster IW, et al. **Community Health Stud** 1983 Oct;7(3):266–77

Coping with predictable crises of diabetes. Hamburg BA, et al. **Diabetes Care** 1983 Jul–Aug;6(4):409–16 (42 ref.)

Urinary dopamine in physical and mental effort. Fibiger W, et al. **Eur J Applied Physiol** 1984;52(4):437–40

The variance of forearm blood flow as an indicator of emotional stress. Breier C, et al. **Eur J Clin Pharmacol** 1983; 25(4):535–8

Occupational stress: understanding, recognition and prevention. Szabo S, et al. **Experientia** 1983 Oct 15; 39(10):1057–163 (51 ref.)

The relationship between stressful life events and electrocardiogram abnormalities. Haughey BP, et al. **Heart Lung** 1984 Jul;13(4):405–10

Effect of the geomagnetic field and nervous and mental strain on electrical resistance in biologically active skin points. Ryzhikov GV, et al. **Hum Physiol** 1982 Nov–Dec; 8(6):452–5

Do nurse educators promote burnout? Farabaugh N. **Int Nurs Rev** 1984 Mar–Apr;31(2):47–8, 52

The experience of stress in parents of children hospitalized with long-term disabilities. Hayes VE, et al. **J Adv Nurs** 1984 Jul;9(4):333–41

Perceived sources of stress and coping strategies in allied health students: a model. Francis KT, et al. **J Allied Health** 1983 Nov;12(4):262–72

Future concerns and recent life events of elderly community residents. Stein S, et al. **J Am Geriatr Soc** 1984 Jun; 32(6):431–4

The iatrogenic disease called burnout. Battle CU. **J Am Med Wom Assoc** 1981 Dec;36(12):357–9

Burnout. Koski WS. **J Am Vet Med Assoc** 1983 Oct 1; 183(7):756–8

Social stressors as antecedents of change. Chiriboga DA. **J Gerontol** 1984 Jul;39(4):468–77

Identification of medical student problems and comparison with those of other students. Bjorksten O, et al. **J Med Educ** 1983 Oct;58(10):759–67

Impact of disability on families of stroke clients. Stroker R. **J Neurosurg Nurs** 1983 Dec;15(6):360–5

Graduate nursing students and stress. Mancini J, et al. **J Nurs Educ** 1983 Oct;22(8):329–34

Myocardial infarction and the emotional climate. Crisp AH, et al. **Lancet** 1984 Mar 17;1(8377):616–9

Elucidation of psychological factors in compensable injury. Goldney RD. **Med J Aust** 1984 Sep 29;141(7):433–6

Adaptation to and recovery from captivity stress. Rahe RH, et al. **Milit Med** 1983 Jul;148(7):577–85

Stress and the aching heart [editorial] Grzboys TB. **N Engl J Med** 1984 Aug 30;311(9):594–5

Stress identification and coping patterns in patients on hemodialysis. Baldree KS, et al. **Nurs Res** 1982 Mar–Apr; 31(2):107–12

Blood pressure, stress, and mental health. Sparacino J. **Nurs Res** 1982 Mar–Apr;31(2):89–94 (56 ref.)

Job burnout rates higher for social service professions. Tabor M. **Occup Health Saf** 1984 Mar;:51–2

Beware of burnout. Squires A, et al. **Physiotherapy** 1984 Jun 10;70(6):235–8

Stress and detention. Tyson GA. **S Afr Med J** 1983 Nov 19;64(22):858–9

Chronic illness, stress and coping. Ben-Sira Z. **Soc Sci Med** 1984;18(9):725–36

Stress and coping in the explanation of psychological adjustment among chronically ill adults. Felton BJ, et al. **Soc Sci Med** 1984;18(10):889–98

Stress and well-being: the buffering role of locus of control beliefs. Krause N, et al. **Soc Sci Med** 1984;18(9):783–90

[Depressive diseases and precipitation of psychological stress] Benjaminsen S. **Ugeskr Laeger** 1983 Aug 1;145(31):2372–5 (Eng. Abstr.) **(Dan)**

[Standardized psychological stress test for the provocation of tachycardial ventricular arrhythmias. Comparison with long-term ECG and stress ECG] Andresen D, et al. **Dtsch Med Wochenschr** 1984 Apr 6;109(14):532–6 (Eng. Abstr.) **(Ger)**

[Stress—biologic heritage—Blessing or curse?] Tobiasch V. **Med Welt** 1983 Nov 25;34(47):1329–34 **(Ger)**

[Pathophysiology and etiology of essential hypertension. Significance of emotional stress in experiments and daily living] von Eiff AW. **MMW** 1984 Feb 17;126(7):165–70 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of so-called exhaustion syndromes] Faust V, et al. **ZFA (Stuttgart)** 1983 Nov 20;59(32):1790–8 **(Ger)**

[Effects of 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI-2016), an omega-aminoalkoxybenzene derivative, on the gastric lesions induced by conditioned emotional stimulus] Gomita Y, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):323–31 (Eng. Abstr.) **(Jpn)**

[Gastric mucosal lesions in rats induced by the communication box paradigm: experimental conditions, endoscopic observation, and effect of vagotomy] Pack SJ. **Nippon Yakurigaku Zasshi** 1984 May;83(5):467–78 (Eng. Abstr.) **(Jpn)**

BLOOD

Stress and catecholamines. Eliasson K. **Acta Med Scand** 1984; 215(3):197–204 (62 ref.)

Reversal of an elevated plasma level of prolactin during prolonged psychological stress. Johansson GG, et al. **Acta Physiol Scand** 1983 Dec;119(4):463–4

Effect of beta blockade on plasma catecholamine levels during psychological and exercise stress. Dimsdale JE, et al. **Am J Cardiol** 1984 Jul 1;54(1):182–5

Acute behavioral stress affects the dexamethasone suppression test in rhesus monkeys. Kalin NH, et al. **Biol Psychiatry** 1984 Jan;19(1):113–7

Prognostic importance of hyperglycaemia induced by stress after acute myocardial infarction. Lakhdar A, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):288

Effect of diuretics and calcium antagonists on circulatory parameters and plasma catecholamines during mental stress. Heidbreder E, et al. **Eur J Clin Pharmacol** 1983;25(1):19–22

Serum cholesterol and thyroxine in young women during mental stress. Kirkeby OJ, et al. **Exp Clin Endocrinol** 1984 May;83(3):361–3

The 'midday surge' in plasma cortisol induced by mental stress. Holl R, et al. **Horm Metab Res** 1984 Mar;16(3):158–9

The potential role of psychosocial stress on levels of hemoglobin A1c (HbA1c) and fasting plasma glucose in elderly people. Arnetz BB. **J Gerontol** 1984 Jul;39(4):424–9

Biochemical and mood responses predictive of stressful diving performance. Biersner RJ, et al. **J Human Stress** 1984 Spring;10(1):43–9

Stress, cortisol, and lymphocyte subpopulations [letter] Baker GH, et al. **Lancet** 1984 Mar 10;1(8376):574

Stress, cholesterol, and coronary heart disease [letter] Rosch PJ. **Lancet** 1983 Oct 8;2(8354):851–2

Diabetes and stress [letter] McKegney FP. **N Engl J Med** 1984 Aug 16;311(7):469–70

Behavioral, but not physiological, adaptation to repeated separation in mother and infant primates. Coe CL, et al. **Psychoneuroendocrinology** 1983;8(4):401–9

Single-case research designs: elegant analyses. Dahlstrom WG. **Psychosom Med** 1983 Dec;45(6):469–70

Psychological correlates of growth hormone response to stress. Kosten TR, et al. **Psychosom Med** 1984 Jan–Feb; 46(1):49–58

Epinephrine and norepinephrine responses in continuously collected human plasma to a series of stressors. Ward MM, et al. **Psychosom Med** 1983 Dec;45(6):471–86

Effect of examination stress on serum lipid profile. Bijlani RL, et al. **Trop Gastroenterol** 1983 Jul–Sep;4(3):168–70

[The effect of psychological stress on the levels of plasma catecholamines and the influence of beta blockers] Veselková A, et al. **Cas Lek Cesk** 1983 Oct 7;122(40):1227–9 (Eng. Abstr.) **(Cze)**

[Prolactin in relation to age, the climacteric syndrome and stress] Donát J, et al. **Cesk Gynekol** 1983 Dec;48(10):715–20 (Eng. Abstr.) **(Cze)**

[Effects of music on plasma stress hormones in surgical patients] Satoh Y, et al. **Masui** 1983 Oct;32(10):1206–11 (Eng. Abstr.) **(Jpn)**

[Physical and mental stresses and plasma catecholamine levels] Wada H. **Rinsho Byori** 1983 Aug;31(8):852–3 **(Jpn)**

[Changes in blood lipid levels and the prevalence of hyperlipoproteinemia among men aged 40–49 years engaged in stressful mental work (second examination)] Chernigovskaia SV, et al. **Kardiologiia** 1984 Feb; 24(2):79–83 (Eng. Abstr.) **(Rus)**

[Effect of emotional stress on the system of hemostasis in patients with coronary arteriosclerosis] Sokolov EI, et al. **Kardiologiia** 1984 Feb;24(2):56–60 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in red blood in rats during acute immobilization] Katiukhin LN, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):43–7 (Eng. Abstr.) **(Rus)**

[Effect of luliberin and chorionic gonadotropin on luteinizing hormone and testosterone levels in the blood of monkeys under acute stress] Katsiia GV, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):73–7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

The importance of psychic and social factors in ethiopathogenesis of myocardial infarction. Lisoňková D. **Acta Univ Palacki Olomuc Fac Med** 1983;105:169–74

The self-employed and the self-driven: two coronary-prone subpopulations from the Zeist study. Magnus K, et al. **Am J Epidemiol** 1983 Dec;118(6):799–805

Reversible growth hormone deficiency and delayed puberty triggered by a stressful experience in a young adult. Magner JA, et al. **Am J Med** 1984 Apr;76(4):737–42

Prospective evaluation of the risk of upper gastrointestinal bleeding after admission to a medical intensive care unit. Schuster DP, et al. **Am J Med** 1984 Apr;76(4):623–30

Maternal stress and social support: effects on the mother–infant relationship from birth to eighteen months. Crnic KA, et al. **Am J Orthopsychiatry** 1984 Apr; 54(2):224–35

Behavioral stress and cardiac arrhythmias. Verrier RL, et al. **Annu Rev Physiol** 1984;46:155–76 (129 ref.)

Recurrent episcleritis and emotional stress [letter] Margo CE. **Arch Ophthalmol** 1984 Jun;102(6):821, 824

Stress and the role of the family in psychosomatic illness. Stubbe DE 3d, et al. **Ariz Med** 1984 May;41(5):324–7

Morphine and memory in DBA/2 mice: effects of stress and of prior experience. Castellano C, et al. **Behav Brain Res** 1984 Jan;11(1):3–10

Are the limits of the mind expandable? Wittlin AS. **Behav Sci** 1984 Jan;29(1):51–60

The study of stress and competence in children: a building block for developmental psychopathology. Garmezy N, et al. **Child Dev** 1984 Feb;55(1):97–111

Stress, ACTH, salt intake and high blood pressure. Denton DA, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):403–15 (26 ref.)

Stress and high sodium effects on blood pressure and brain catecholamines in spontaneously hypertensive rats. Ely DL, et al. **Clin Exp Hypertens [A]** 1983;5(9):1559–87

Pathogenesis, diagnosis and treatment of acute gastric mucosal lesions. Marrone GC, et al. **Clin Gastroenterol** 1984 May;13(2):635–50 (61 ref.)

Role of recent stressful life events experience in the onset of TMJ dysfunction pain. Speculand B, et al. **Community Dent Oral Epidemiol** 1984 Jun;12(3):197–202

Stress and cardiovascular disease. Rosch PJ. **Compr Ther** 1983 Oct;9(10):6–13 (16 ref.)

Stress and cancer. Rosch PJ. **Compr Ther** 1984 Jan;10(1):3–6

Stress and the heart—behavioral interaction and plan for strategy. Sinatra ST. **Conn Med** 1984 Feb;48(2):81–6

Idioms of distress: kinship and sickness among the people of the Kingdom of Tonga. Parsons CD. **Cult Med Psychiatry** 1984 Mar;8(1):71–93

Emotional stress and rejection, cause and effect. Kok-van Alphen CC, et al. **Doc Ophthalmol** 1983 Dec 15; 56(1–2):171–5

Stress as a risk factor for seizures among adults with epilepsy. Temkin NR, et al. **Epilepsia** 1984 Aug;25(4):450–6

Stress, temporal artery activity, and pain in migraine headache: a prospective analysis. Feuerstein M, et al. **Headache** 1983 Nov;23(6):296–304

Sudden death: biopsychosocial factors. Gomez GE, et al. **Heart Lung** 1984 Jul;13(4):389–94

Stress and drug use. Einstein S. **Int J Addict** 1983 Aug; 18(6):iii–v

A combined approach using meditation–hypnosis and behavioral techniques in the treatment of smoking behavior: case studies of five stressed patients. Cohen BB. **Int J Psychosom** 1984;31(1):33–9

Racism and psychological disturbance among West Indians in Britain. Burke AW. **Int J Soc Psychiatry** 1984 Spring; 30(1–2):50–68

Physical impairment, stress, and cardiovascular disorders. Dijkstra P. **Int Rehabil Med** 1984;6(2):54–7

Influence of steroids on the prevention or aggravation of stress gastric ulcer in rats. Bayer I, et al.

Isr J Med Sci 1984 Mar;20(3):254–6

Conversion reactions in childhood and adolescence. Volkmar FR, et al. **J Am Acad Child Psychiatry** 1984 Jul; 23(4):424–30

Irritable bowel syndrome in the college population: pathophysiology, differential diagnosis, and treatment. Rapp CE Jr. **J Am Coll Health** 1983 Jun;31(6):263–7

Severe symptomatic hyponatremia in elderly outpatients: the role of thiazide therapy and stress. Booker JA. **J Am Geriatr Soc** 1984 Feb;32(2):108–13

The use of a new relaxation method in a case of tension headache. Eufemia RL, et al. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):355–8

Emotional stress and the development of multiple sclerosis [letter] Van Alstine JM. **J Chronic Dis** 1983;36(11):811–2

Emotional, behavioral, and physiological effects of chronic stress at Three Mile Island. Baum A, et al. **J Consult Clin Psychol** 1983 Aug;51(4):565–72

Behavioral comparisons of children from abusive and distressed families. Wolfe DA, et al. **J Consult Clin Psychol** 1983 Oct;51(5):702–8

Dysfunctional uterine bleeding and prior life stress. Tudiver F. **J Fam Pract** 1983 Dec;17(6):999–1003

The psychological impact of the Three Mile Island incident. Cleary PD, et al. **J Human Stress** 1984 Spring;10(1):28–34

The social–psychological precursors to cancer. Cooper CL. **J Human Stress** 1984 Spring;10(1):4–11

Does blood pressure usually rise with age? . . . Or with stress? Jenkins CD, et al. **J Human Stress** 1983 Sep;9(3):4–12

Life changes and urinary norepinephrine in myocardial infarction. Kohn LM, et al. **J Human Stress** 1983 Jun; 9(2):38–45

Selective cardiovascular effects of stress and cigarette smoking. MacDougall JM, et al. **J Human Stress** 1983 Sep; 9(3):13–21

Adolescent health and illness behavior: review of the literature and a new hypothesis for the study of stress. Mechanic D. **J Human Stress** 1983 Jun;9(2):4–13

The stress–buffering role of alcohol consumption: the importance of symptom dimension. Neff JA. **J Human Stress** 1984 Spring;10(1):35–42

Marital separation and health: stress and intervention. Wertlieb D, et al. **J Human Stress** 1984 Spring;10(1):18–26

Stress and epilepsy: the value of a benzodiazepine—lorazepam. Moffett A, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):165–7

Executive stress and health. Differences between men and women. Cooper CL, et al. **J Occup Med** 1984 Feb; 26(2):99–104

Choking under pressure: self–consciousness and paradoxical effects of incentives on skillful performance. Baumeister RF. **J Pers Soc Psychol** 1984 Mar;46(3):610–20

Impact of chronic and acute stressors on daily reports of mood. Eckenrode J. **J Pers Soc Psychol** 1984 Apr; 46(4):907–18

Stress, anxiety, and cognitive interference: reactions to tests. Sarason IG. **J Pers Soc Psychol** 1984 Apr;46(4):929–38

Effects and aftereffects of stressor expectations. Spacapan S, et al. **J Pers Soc Psychol** 1983 Dec;45(6):1243–54

The nature and assessment of general well–being. Cox T, et al. **J Psychosom Res** 1983;27(5):353–9

Extracranial vascular changes during headache, exercise and stress. Drummond PD. **J Psychosom Res** 1984;28(2):133–8

Cancer—a stress disease? Garson JZ. **J R Coll Gen Pract** 1984 Mar;34(260):179

Exacerbation of collagen arthritis by noise stress. Rogers MP, et al. **J Rheumatol** 1983 Aug;10(4):651–4

Caffeine, stress, and cardiomyopathy. Henry JP, et al. **J SC Med Assoc** 1983 Oct;79(10):545–8

Stress and heart disease. Freeman Z. **Med J Aust** 1983 Oct 29;2(9):414–6

Scheuermann's disease the result of emotional stress? [letter] McCallum MJ. **Med J Aust** 1984 Feb 4;140(3):184

Stress and heart disease [letter] Rosenman RH. **Med J Aust** 1984 Mar 3;140(5):302–3

Stress and coronary risk in shiftworkers. Cesana GC, et al. **Med Lav** 1983 Sep–Oct;74(5):351–60

Stress and diseases of the upper gut: II. Stress and pancreatic disease. Kaplan MH, et al. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):331–4

Stress in the workplace: an integrated approach. Goldberg RJ. **New Dir Ment Health Serv** 1983 Dec;(20):65–74

Myalgic encephalomyelitis [letter] Gow PJ. **NZ Med J** 1984 Sep 12;97(763):620

Indulging .. to the point of destruction. Newton JJ. **Ohio State Med J** 1983 Jun;79(6):415–7

Endocrine emergencies. Adrenal crisis, myxedema coma, and thyroid storm. Gilliland PF. **Postgrad Med** 1983 Nov; 74(5):215–20, 225–7

Stress: a cardiologist's point of view. Sinatra ST. **Postgrad Med** 1984 Jul;76(1):231–4

Attenuation of psychosocial stress–induced hypertension by gamma–linolenic acid (GLA) administration in rats. Mills DE, et al. **Proc Soc Exp Biol Med** 1984 May;176(1):32–7

Hypertension: psychological aspects and diagnostic impact in a clinical trial. Mann A. **Psychol Med** 1984;Suppl 5:1–35

Psycho–social stress, insomnia and temazepam: a sleep laboratory evaluation in a 'general practice' sample. Beary MD, et al. **Psychopharmacology (Berlin)** 1984;83(1):17–9

Stress and metabolic control in diabetes: psychosomatic evidence and evaluation of methods. Barglow P, et al. **Psychosom Med** 1984 Mar–Apr;46(2):127–44

Marital migraine: a refractory daily headache. Featherstone HJ, et al. **Psychosomatics** 1984 Jan;25(1):30–1, 35, 38

Duodenal ulcer, urban stress and the concept of 'marginal man'. Blumberg L. **S Afr Med J** 1983 Oct 8;64(16):630–2

Life events, familial stress, and coping in the developmental course of schizophrenia. Lukoff D, et al. **Schizophr Bull** 1984;10(2):258–92

A heuristic vulnerability/stress model of schizophrenic episodes. Nuechterlein KH, et al. **Schizophr Bull** 1984; 10(2):300–12

A possible psychoneuroimmunologic basis for recurrent genital herpes simplex. Bierman SM. **West J Med** 1983 Oct; 139(4):547–52

[Stress, distress and alopecia. Study of 60 personal observations] Dugas M, et al. **Acta Paedopsychiatr (Basel)** 1983 Oct;49(5):221–37 (Eng. Abstr.) **(Fre)**

[Continuous stress reaction and somatic symptomatology. Case study (study of soldiers and former soldiers)] Skurnik N, et al. **Ann Med Psychol (Paris)** 1983 Jul–Aug; 141(7):798–802 **(Fre)**

[Stress load of management personnel. Results of a survey] Biener K. **Fortschr Med** 1984 Mar 15;102(10):259–62 (Eng. Abstr.) **(Ger)**

[Occupational stress experience and personality development in middle age] Roether D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Nov; 35(11):676–86 (Eng. Abstr.) **(Ger)**

[Problems in the diagnosis of tension headache] Wolf–Cramer B. **Psychother Psychosom Med Psychol** 1984 Mar–Apr; 34(3–4):81–9 (Eng. Abstr.) **(Ger)**

[Stress and cancer] Marino A, et al. **Clin Ter** 1984 Mar 31; 108(6):469–74 (48 ref.) (Eng. Abstr.) **(Ita)**

[Effects of the cold pressor test and mental stress on coronary flow and resistance in patients with angina pectoris] De Servi S, et al. **G Ital Cardiol** 1984 May;14(5):305–11 (Eng. Abstr.) **(Ita)**

[Mental stress in the functional evaluation of recent myocardial infarct: hemodynamic aspects] Mazzuero G, et al. **G Ital Cardiol** 1983 Sep;13(9):172–82 (Eng. Abstr.) **(Ita)**

[Stressful events and alopecia areata] Veller Fornasa C, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug;117(4):211–2 (Eng. Abstr.) **(Ita)**

[Cardial achalasia and emotional stress. Considerations on 47 clinical cases] Cardi M, et al. **Minerva Med** 1984 Feb 28;75(8):405–8 (Eng. Abstr.) **(Ita)**

[Tachycardia in the pilot. Effects of the alertness state and of helicopter flight] Calcagnini G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):65–77 (Eng. Abstr.) **(Ita)**

[Somatic risk factors and the mental state of patients after myocardial infarct] Boszormányi E, et al. **Kardiol Pol** 1983; 26(5):391–6 (Eng. Abstr.) **(Pol)**

[Environmental factors causing psychogenic abdominal pain in schoolchildren] Błaszczyk A, et al. **Pediatr Pol** 1983 Nov; 58(11):887–94 (Eng. Abstr.) **(Pol)**

[A few remarks about the K–Z syndrome] Kłodziński S. **Przegl Lek** 1984;41(1):17–21 **(Pol)**

[The social environment and obesity] Creţeanu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):279–81 **(Rum)**

[Epidemiology of chronic bronchopulmonary diseases. IV. The epidemiologic process: pathways and mechanisms of response to factors of aggression in the mass of the population. Receptivity and adaptability] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):25–8 **(Rum)**

[Influence of central nervous stress on the dynamics of medullary excitability] Teodorescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):591–8 (Eng. Abstr.) **(Rum)**

[Role of dopamine receptors in the mechanism of formation of stress–induced stomach lesions] Groĭsman SD, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):57–60 (Eng. Abstr.) **(Rus)**

[Effects of lithium salts on experimental neurogenic lesions of the stomach and heart] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):653–5 (Eng. Abstr.) **(Rus)**

[Effect of preliminary blockade of alpha– and beta–adrenoreceptors on stress–induced disorders of myocardial relaxation and contractile functions] Pshennikova MG, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):55–7 (Eng. Abstr.) **(Rus)**

[Prevention of stress ulcers of the stomach by polarization of the motor zone of the cerebral cortex] Kuznetsov SA, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):227–9 **(Rus)**

[Ischemic heart disease among men engaged in intense mental work (results of a repeat examination 6 years later)] Kruchinina NA, et al. **Kardiologiia** 1984 Apr;24(4):76–80 (Eng. Abstr.) **(Rus)**

[Adrenocortical activity of hypertensive patients in response to emotional stress] Polosova TA, et al. **Kardiologiia** 1983 Aug;23(8):27–30 **(Rus)**

[Psychological profile of patients with ischemic heart disease and its association with various exogenous risk factors] Virsaladze KS, et al. **Kardiologiia** 1984 Feb;24(2):73–6 (Eng. Abstr.) **(Rus)**

[Emotiogenic diseases and disorders of the internal organs] Shul'tsev GP. **Klin Med (Mosk)** 1983 Dec;61(12):16–20 (7 ref.) **(Rus)**

[Effect of stress experienced before pregnancy on the reproductive ability of the rat and the condition of the progeny] Serova LV, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):38–42 (Eng. Abstr.) **(Rus)**

[Neurotic disorders in persons with mentally stressful jobs] Somundzhian AA. **Zh Nevropatol Psikhiatr** 1983; 83(12):1850–3 (Eng. Abstr.) **(Rus)**

[Maladjustment, stress and peptic ulcer in young adults] Barjaktarović M, et al. **Med Pregl** 1983;36(7–8):331–5 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Measuring perceived stress in adolescents: a cross validation. Forman BD, et al. **Adolescence** 1983 Fall;18(71):573–6

Emotional abuse in the classroom. The pediatrician's role in diagnosis and treatment. Krugman RD, et al. **Am J Dis Child** 1984 Mar;138(3):284–6

A stress and arousal mood scale for low vocabulary subjects: a reworking of Mackay et al. (1978). Cruickshank PJ. **Br J Psychol** 1984 Feb;75 (Pt 1):89–94

The structure of psychological distress and well–being in general populations. Veit CT, et al. **J Consult Clin Psychol** 1983 Oct;51(5):730–42

What does professional burnout mean to the dental educator? Klausner LH, et al. **J Dent Educ** 1984 Feb;48(2):91–4

A global measure of perceived stress. Cohen S, et al. **J Health Soc Behav** 1983 Dec;24(4):385–96

Teacher stress and burnout: implications for school health personnel. Belcastro PA, et al. **J Sch Health** 1983 Sep; 53(7):404–7

Reliability and validity of an interval measure of vocal stress. Fuller BF. **Psychol Med** 1984 Feb;14(1):159–66

Evaluating a household survey measure of psychic distress. Mellinger GD, et al. **Psychol Med** 1983 Aug;13(3):607–22

Item–analysis of a stress scale. Posner I, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):814

Chronic low–back pain, psychologic distress, and illness behavior. Waddell G, et al. **Spine** 1984 Mar;9(2):209–13

[Tremor reaction to mental and emotional stress] Haider E, et al. **Int Arch Occup Environ Health** 1983;53(2):175–9 (Eng. Abstr.) **(Ger)**

[Psychological and emotional responses to anesthesia and surgery] Cardaci SB, et al. **Minerva Anestesiol** 1983 Jun; 49(6):357–70 (Eng. Abstr.) **(Ita)**

[Method of evaluation of the degree of psychological stress in operators] Ryzhov BN, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):83–4 **(Rus)**

[Psychological reaction of the population during the acute phase of psychological stress during the earthquake on the Montenegro coast 15 April 1979] Jovičević M. **Med Pregl** 1983 Jan;36(1–2):5–9 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Antistress and antifatigue properties of Panax ginseng: comparison with piracetam. Banerjee U, et al. **Acta Physiol Lat Am** 1982;32(4):277–85

DRUG THERAPY

Use of beta–blocking agents to reduce the stress of presentation at an international cardiology meeting: results of a survey. Gossard D, et al. **Am J Cardiol** 1984 Jul 1; 54(1):240–1

The place of tranquillisers in the management of stress. Tyrer P. **J Psychosom Res** 1983;27(5):385–90

[Leading symptom of anxiety and tension and its concomitant somatic manifestations. A multicenter trial of fluspirilene versus bromazepam] Thilmann J. **Fortschr Med** 1983 Oct 6;101(37):1676–8 (Eng. Abstr.) **(Ger)**

[Regulation of the contractile activity of the Fallopian tubes with seduxen in women with the emotional form of infertility] Pobedenskiĭ NM, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):29–33 (15 ref.) (Eng. Abstr.) **(Rus)**

[Stress–protective properties of lithium nicotinate—a new derivative of nicotinic acid] Kresiun VI. **Biull Eksp Biol Med** 1984 Mar;97(3):312–5 (Eng. Abstr.) **(Rus)**

[Differences in the action of typical and atypical tranquilizers on the structure and function of mitochondria during emotional–painful stress] Kresiun VI. **Biull Eksp Biol Med** 1984 Jun;97(6):649–53 (Eng. Abstr.) **(Rus)**

[Antistressor effect of prolactin] Malyshev VV, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):31–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Role of lipid peroxidation in inhibiting cardiac Na, K–ATPase during stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):42–4 (Eng. Abstr.) **(Rus)**

[Increased brain Na, K–ATPase activity of rats under stress] Sazontova TG, et al. **Biull Eksp Biol Med** 1984 May; 97(5):556–8 (Eng. Abstr.) **(Rus)**

[Na K–dependent ATPase activity of synaptosomes of rat cerebral hemispheres with ischemic necrosis of the myocardium, occurring after emotional–painful stress] Davydov VV, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):61–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Breast cancer. Stress points. Graydon JE. **Am J Nurs** 1984 Sep;84(9):1124–5

Coping with the stresses of medical education. Kutcher SP. **Can Med Assoc J** 1984 Feb 15;130(4):373–4, 381

Teenage fathers. Stresses during gestation and early parenthood. Elster AB, et al. **Clin Pediatr (Phila)** 1983 Oct; 22(10):700–3

Psychological distress and amniocentesis. Michelacci L, et al. **Gynecol Obstet Invest** 1984;18(1):40–4

Family stress in diabetic renal failure. Piening S. **Health Soc Work** 1984 Spring;9(2):134–41

Occupational stress in a public mental hospital: the psychiatrist's view. Dawkins J, et al. **Hosp Community Psychiatry** 1984 Jan;35(1):56–60

An investigation of the Medical Data Index (MDI) health questionnaire given to women VDT workers involved in advanced office automation—924 women clerks in a city bank with head and branch offices. Yamamura K, et al. **Ind Health** 1983;21(3):199–207

Retrospective reports of mothers' work patterns and psychological distress in first-year medical students. Brodkin AM, et al. **J Am Acad Child Psychiatry** 1984 Jul; 23(4):479–85

Sources of dentists' stress. O'Shea RM, et al. **J Am Dent Assoc** 1984 Jul;109(1):48–51

Two measures of psychological distress among Mexican Americans, Mexicans and Anglos. Burnam MA, et al. **J Health Soc Behav** 1984 Mar;25(1):24–33

Perceived stress in medical, law, and graduate students. Heins M, et al. **J Med Educ** 1984 Mar;59(3):169–79

A stress discussion group for medical interns. Ziegler JL, et al. **J Med Educ** 1984 Mar;59(3):205–7

Stress and the Black medical family. Lawrence LE. **J Natl Med Assoc** 1983 Aug;75(8):749–53

Coping, stress, and social resources among adults with unipolar depression. Billings AG, et al. **J Pers Soc Psychol** 1984 Apr;46(4):877–91

Identifying stressors at work: recent research developments. Cooper CL. **J Psychosom Res** 1983;27(5):369–76

Medical student abuse. An unnecessary and preventable cause of stress. Rosenberg DA, et al. **JAMA** 1984 Feb 10; 251(6):739–42

Abortion [letter] **Med J Aust** 1984 Jul 21;141(2):131–2

Dimensions of stress in junior medical students. Linn BS, et al. **Psychol Rep** 1984 Jun;54(3):964–6

The forging of illness. Weisser RJ Jr, et al. **W Va Med J** 1984 Feb;80(2):25–8

Psychiatric aspects of a pediatric intensive care unit. Woolston JL. **Yale J Biol Med** 1984 Jan–Feb;57(1):97–110 (23 ref.)

The effect of disability on family life. Carr J, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:103–6

Response to termination of pregnancy for genetic reasons. Lloyd J, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:98–9

[Pathology resulting from the privation of freedom] **Rev Med Liege** 1983 Oct 15;38(20):751–80 **(Fre)**

[Human reactions to community noise. I. Noise of urban street traffic in the city of Verona] Riolfatti M. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):799–815 (Eng. Abstr.) **(Ita)**

[Psychological aspects of gynecology. II. Gynecological examination from the psychologist's viewpoint] Motyka M, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):569–73 (Eng. Abstr.) **(Pol)**

[Anxiety and the knowledge of current diagnostic procedures in lung diseases] Pecyna M, et al. **Pneumonol Pol** 1983 Jun; 51(6):353–60 (Eng. Abstr.) **(Pol)**

[Origin and types of psychological problems among physicians] Adamiak G, et al. **Pol Tyg Lek** 1983 Aug 15; 38(33–34):1011–4 (Eng. Abstr.) **(Pol)**

[Psychoemotional stress of students during examinations] Andriiashik DIu, et al. **Gig Tr Prof Zabol** 1983 Nov; (11):38–40 **(Rus)**

[Psychophysiologic aspects of working conditions of lumberjacks on fixed work schedules] Vendrov ZI, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):16–9 (Eng. Abstr.) **(Rus)**

[Main types of emotional response of children during adaptation to the conditions of preschool institutions and school] Solntsev AA. **Pediatriia** 1983 Jul;(7):7–11 (Eng. Abstr.) **(Rus)**

[Emotional stress as a factor of evolution] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1984;(6):40–7 **(Rus)**

[Stress factors and life events in psychiatry] Knobel M. **Actas Luso Esp Neurol Psiquiatr** 1983 Nov–Dec; 11(6):469–85 **(Spa)**

FAMILIAL & GENETIC

Influence of selected child characteristics on stress in families of handicapped infants. Beckman PJ. **Am J Ment Defic** 1983 Sep;88(2):150–6

Adaptation of families with mentally retarded children: a model of stress, coping, and family ecology. Crnic KA, et al. **Am J Ment Defic** 1983 Sep;88(2):125–38

IMMUNOLOGY

Stress and the transformation of lymphocytes by Epstein–Barr virus. Kiecolt-Glaser JK, et al. **J Behav Med** 1984 Mar;7(1):1–12

Psychosocial modifiers of immunocompetence in medical students. Kiecolt-Glaser JK, et al. **Psychosom Med** 1984 Jan–Feb;46(1):7–14

Influence of conditioned psychological stress on immunological recovery in mice exposed to low-dose X irradiation. Sato K, et al. **Radiat Res** 1984 May;98(2):381–8

[Inhibition of natural killer activity in emotional stress and elimination of this phenomenon by interferon inducer] Sukhikh GT, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):84–6 (Eng. Abstr.) **(Rus)**

[Prevention of stress decrease in natural killer activity by sodium oxybutyrate and the delta-sleep peptide] Meerson FZ, et al. **Dokl Akad Nauk SSSR** 1984;274(2):482–4 **(Rus)**

[The use of indicators of immunological status of automobile drivers in personnel selection] Shamsutdinova LR, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):47–8 **(Rus)**

[Analysis of the mechanisms of decreased natural killer cell activity after immobilization stress] Sukhikh GT, et al. **Vestn Akad Med Nauk SSSR** 1983;(11):16–20 (12 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Activity of the auditory system in rats habituated to a test chamber: a 2-deoxyglucose study. Mogensen J, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):283–9

The action of stress, beta-carbolines, diazepam, and Ro 15–1788 on GABA receptors in the rat brain. Biggio G. **Adv Biochem Psychopharmacol** 1983;38:105–19

The effect of conspecifics on corticoadrenal response of rats to a novel environment. Armario A, et al. **Behav Neural Biol** 1983 Mar;37(2):332–7

Substance P-like immunoreactivity in plasma and adrenal medulla of rats with spontaneous hypertension and WKY rats under acute stress. Rathsack R, et al. **Biomed Biochim Acta** 1983;42(7–8):955–8

Protein metabolism in structures of the autonomic nervous system in acute experimental emotional stress. Gorbunova AV, et al. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):74–8

Regional rat brain noradrenaline turnover in response to restraint stress. Glavin GB, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):287–90

Reduction of the cAMP response to norepinephrine in rat cerebral cortex following repeated restraint stress. Stone EA, et al. **Psychopharmacology (Berlin)** 1984;82(4):403–5

[Lipid, collagen and mucopolysaccharide metabolism in workers exposed to occupational noise] Sroczyński J, et al. **Med Pr** 1983;34(3):245–9 (Eng. Abstr.) **(Pol)**

[Changes in the homeostatic balance of prostacyclin–thromboxane generating systems during experimental social stress] Aliev MA, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):20–2 (Eng. Abstr.) **(Rus)**

[Disorders in brain levels of macroergic substances during chronic stress and their correction by psychotropic agents] Kresiun VI. **Biull Eksp Biol Med** 1983 Sep;96(9):72–4 (Eng. Abstr.) **(Rus)**

[Regulation of oxidative phosphorylation as a possible method of normalizing cerebral metabolism] Kresiun VI. **Biull Eksp Biol Med** 1983 Dec;96(12):37–40 (Eng. Abstr.) **(Rus)**

[Effect of prolonged hypokinesia on the biogenic amine content of rat brain synaptosomes] Panusheva NN. **Biull Eksp Biol Med** 1983 Dec;96(12):12–4 (Eng. Abstr.) **(Rus)**

[The role of lipids in the changes in the properties of the brain beta-adrenoreceptors during emotional stress] Prilipko LL, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):6–8 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia on the indicators of the antioxidant system and free-radical oxidation in rats] Brechko VV. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):56–9 (Eng. Abstr.) **(Rus)**

[Effect of emotional-pain stress on the activity of the gamma-aminobutyric acid system] Andreev BV, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):652–6 (Eng. Abstr.) **(Rus)**

[Interaction of transcortin and type III glucocorticoid receptors with type II glucocorticoid receptors in stress] Golikov PP, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):27–30 (Eng. Abstr.) **(Rus)**

[Prevention of functional impairments of cardiac muscle mitochondria in emotional-painful stress] Meerson FZ, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):119–21 (Eng. Abstr.) **(Rus)**

[DNA damage and reparative synthesis in various organs of the rat, induced by emotional-painful stress] Vasil'ev VK, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):112–4 (Eng. Abstr.) **(Rus)**

[Vitamin status of diamond cutters] Bogdanov NG, et al. **Vopr Pitan** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Occupational stress among international interpreters. Cooper CL, et al. **J Occup Med** 1983 Dec;25(12):889–95

Stress, social and cultural variations in heart disease. Marmot MG. **J Psychosom Res** 1983;27(5):377–84

Medical effects of the Day After [letter] Boll TJ, et al. **N Engl J Med** 1984 May 3;310(18):1196

Job satisfaction and stress among neonatologists. Clarke TA, et al. **Pediatrics** 1984 Jul;74(1):52–7

Agreement for surgical patients on two situations for the trait anxiety inventory. Boeke S, et al. **Psychol Rep** 1984 Feb;54(1):278

Stress in lower and upper echelon staff. Posner I, et al. **Psychol Rep** 1983 Dec;53(3 Pt 2):1198

Stress in nurses and other working females. Posner I, et al. **Psychol Rep** 1984 Feb;54(1):210

Professional stress and the practicing family physician. May HJ, et al. **South Med J** 1983 Oct;76(10):1273–6

[Stress reaction to work today] Tsaneva N, et al. **Probl Khig** 1983;8:13–20 (Eng. Abstr.) **(Rus)**

[Sociocultural factors and the presence of psychopathologies in populations of various localities in Argentina] Aszkenazi M, et al. **Acta Psiquiatr Psicol Am Lat** 1984 Mar;30(1):11–20 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Perforating stress ulcers after cholecystectomy] Shavarov IG, et al. **Klin Khir** 1983 Oct;(10):62–3 **(Rus)**

[Morphometric study of the adrenal medulla of rats in long-term hypokinesia] Pankova AS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):51–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Changes in sympathetic activity, heart rate and renal function during mental stress in normotensive and spontaneously hypertensive rats. Lundin S, et al. **Acta Med Scand [Suppl]** 1983;677:11–4

Interaction between 'mental stress' and baroreceptor reflexes concerning effects on heart rate, mean arterial pressure and renal sympathetic activity in conscious spontaneously hypertensive rats. Lundin S, et al. **Acta Physiol Scand** 1984 Feb;120(2):273–81

Differentiated sympathetic activation during mental stress evoked by the Stroop test. Hjemdahl P, et al. **Acta Physiol Scand [Suppl]** 1984;527:25–9

Mental arithmetic stress testing in patients with coronary artery disease. Specchia G, et al. **Am Heart J** 1984 Jul; 108(1):56–63

Effects of housing and chronic cannulation on plasma ACTH and corticosterone in the rat. Fagin KD, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E515–20

Gastric mucosal protection with chronic mild restraint: role of endogenous prostaglandins. Wallace JL, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G127–32

Anxiety, stress, and contingent negative variation reconsidered. Glanzmann P, et al. **Ann NY Acad Sci** 1984; 425:578–84

Interactions of stress, salt, and blood pressure. Anderson DE. **Annu Rev Physiol** 1984;46:143–53 (78 ref.)

Cardiovascular response to stress in man. Herd JA. **Annu Rev Physiol** 1984;46:177–85 (40 ref.)

Heart rate variability, cardiac mechanics, and subjectively evaluated stress during simulator flight. Lindqvist A, et al. **Aviat Space Environ Med** 1983 Aug;54(8):685–90

Basal blood pressure variability and reactivity of blood pressure to emotional stress in essential hypertension. Schulte W, et al. **Basic Res Cardiol** 1984 Jan–Feb;79(1):9–16

The bed nucleus of the stria terminalis and immobilization-stress: unit activity, escape behaviour, and gastric pathology in rats. Henke PG. **Behav Brain Res** 1984 Jan;11(1):35–45

Alterations of exploratory patterns induced by uncontrollable shock. Bruto V, et al. **Behav Neural Biol** 1983 Mar; 37(2):302–16

The role of norepinephrine and acetylcholine in mediating escape deficits produced by inescapable shocks. Kelsey JE. **Behav Neural Biol** 1983 Mar;37(2):326–31

The differentiation of individual-specific, stimulus-specific, and motivation-specific response patterns in activation processes: an inquiry investigating their stability and possible importance in psychophysiology. Foerster F, et al. **Biol Psychol** 1983 Aug;17(1):1–26

Active and passive coping under different degrees of stress; effects on urinary and plasma catecholamines and ECG T-wave. Hijzen TH, et al. **Biol Psychol** 1984 Feb; 18(1):23–32

Alpha-adrenoceptor number and function in rat cortex after ethanol and immobilization stress. Lynch M, et al. **Brain Res** 1983 Dec 12;288(1–2):145–9

Effect of brain monoamine precursors on stress-induced behavioral and neurochemical changes in aged mice. Thurmond JB, et al. **Brain Res** 1984 Mar 26;296(1):93–102

Chronic electroconvulsive treatment enhances the density of [3H]prazosin binding sites in the central nervous system of the rat. Vetulani J, et al. **Brain Res** 1983 Sep 26; 275(2):392–5

Effects of hyperprolactinaemia on core temperature of the rat. Drago F, et al. **Brain Res Bull** 1984 Apr;12(4):355–8

Inhibition of shivering during restraint hypothermia. Shimada SG, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):977–82

Digital vasodilatation during mental stress in patients with Raynaud's disease. Halperin JL, et al. **Cardiovasc Res** 1983 Nov;17(11):671–7

Circulatory effects of mental stress during exercise in coronary artery disease patients. Siconolfi SF, et al. **Clin Cardiol** 1984 Aug;7(8):441–4

Neuroendocrine alterations in systemic disease. Molitch ME, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):825–51 (175 ref.)

Do beta blockers prevent pressor responses to mental stress

and physical exercise? François B, et al. **Eur Heart J** 1984 May;5(5):348–53

Hemodynamics during emotional stress in borderline and mild hypertension. Schulte W, et al. **Eur Heart J** 1983 Nov; 4(11):803–9

The surgeon's mental load during decision making at various stages of operations. Czyżewska E, et al. **Eur J Applied Physiol** 1983;51(3):441–6

The effects of a psychological 'stressor' and raised ambient temperature on the pharmacological responsiveness of human eccrine sweat glands: implications for sweat gland hyper–responsiveness in anxiety states. van den Broek MD, et al. **Eur J Clin Pharmacol** 1984;26(2):209–13

Morphine pretreatment reduces clomipramine effect in mouse forced–swimming test. Eschalier A, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):505–7

Pituitary–thyroid function during acute immobilization stress in rats. Langer P, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):51–60

Brain part monoamines in the neuroendocrine mechanisms activated by immobilization stress in the rat. Richardson JS. **Int J Neurosci** 1984 Mar;23(1):57–67

The effects of smoking and cigarette nicotine content on smokers' preparation and performance of a psychosocially stressful task. Hatch JP, et al. **J Behav Med** 1983 Jun; 6(2):207–16

Convergent validity of type A behavior pattern scales and their ability to predict physiological responsiveness in a sample of female public employees. Mayes BT, et al. **J Behav Med** 1984 Mar;7(1):83–108

Effect of immobilization stress on rat pineal beta–adrenergic receptor–mediated function. Yocca FD, et al. **J Neurochem** 1984 May;42(5):1427–32

Extension of research into stress factors and their effect on illness absenteeism. Seamonds BC. **J Occup Med** 1983 Nov; 25(11):821–2

A comment on Notarius, Wemple, Ingraham, Burns, and Kollar's study of emotional responses to an interpersonal stressor. Zuckerman M. **J Pers Soc Psychol** 1983 Nov; 45(5):1160–1

Comparative study of stress reactions during oral surgery after pindolol and metoprolol. Brisse B, et al. **J Pharmacol** 1983;14 Suppl 2:21–9

Type A behavior, heart rate and pupillary response: effects of cold pressor and ego threat. Malcolm AT, et al. **J Psychosom Res** 1984;28(1):27–34

Stress, vascular changes and the potential for behavioral modification. Meehan JP. **J SC Med Assoc** 1983 Oct; 79(10):535–8

The role of the frontal cortex in the regulation of cardiac vulnerability to ventricular fibrillation: a neurophysiological model of Cannon's cerebral defense system. Skinner JE. **J SC Med Assoc** 1983 Oct; 79(10):588–94

The role of the catecholaminergic mechanism in foot shock (FS) stress– and immobilized–water immersion (IW) stress–induced analgesia in mice. Takahashi M, et al. **Jpn J Pharmacol** 1984 Jun;35(2):175–9

Stress–related changes of opiate sensitivity in thermoregulation. Benedek G, et al. **Life Sci** 1983;33 Suppl 1:591–3

Serotonin involvement in the inhibition of luteinizing hormone (LH) release during immobilization in castrated male rats. Koh T, et al. **Life Sci** 1984 Apr 23;34(17):1635–41

Response of brain and pituitary pools of dynorphin as compared to vasopressin to acute stress in the rat. Millan MJ, et al. **Life Sci** 1983;33 Suppl 1:29–32

Effects of naloxone and Mr 1452 on stress–induced changes in nociception of different stimuli in rats. Pilcher CW, et al. **Life Sci** 1983;33 Suppl 1:697–700

Hyper– and hypothermia induced by non–noxious stress: effects of naloxone, diazepam and gamma–acetylenic GABA. Vidal C, et al. **Life Sci** 1983;33 Suppl 1:587–90

The antistress role of the GABAergic system of the brain. Andreev BV, et al. **Neurosci Behav Physiol** 1983 Nov–Dec; 13(6):434–41

Statistical analysis of impulse activity of the diencephalon during immobilization emotional stress in rats. Kiyatkin EA. **Neurosci Behav Physiol** 1983 Nov–Dec;13(6):426–33

Interhemispheric functional relations during conditioning in man. Kostandov EA, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):151–7

Changes in the level of catecholamines in the epinephrine–synthesizing structures of the medulla oblongata of rats that react differently to a single prolonged immobilization. Kvetnanskii R, et al. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):505–10

Cardiovascular autonomic response during preoperative stress and postoperative pain. Heller PH, et al. **Pain** 1984 Jan;18(1):33–40

Psychophysiological characteristics of headache patients. Thompson JK, et al. **Pain** 1984 Jan;18(1):41–52

Apparent involvement of opioid peptides in stress–induced enhancement of tumor growth. Lewis JW, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):635–8

Possible mechanisms underlying the pressure responses evoked in conscious cats by emotional stress. Tsyrlin VA, et al. **Pflugers Arch** 1983 Jul;398(2):81–7

The effect of diazepam on a conditioned emotional response in the rat. Méthot C, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):495–9

Autonomic drug effects and gastric secretion in a new experimental model of stress ulcers in rats. Mine K, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):359–64

Social isolation: effects on pain threshold and stress–induced analgesia. Puglisi–Allegra S, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):679–81

Influence of restraint and ketamine anesthesia on adrenal steroids, progesterone, and gonadotropins in rhesus monkeys. Fuller GB, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):487–90

No evidence for a protracted change in endogenous opioid activity following chronic opiate treatment in mice: parallel recovery of cross tolerance to stress and morphine antinociception. Christie MJ, et al. **Psychopharmacology (Berlin)** 1984;82(4):379–81

Unconfounded electrodermal measures in assessing the aversiveness of predictable and unpredictable shocks. Katz R. **Psychophysiology** 1984 Jul;21(4):452–8

Cardiovascular effects of mental arithmetic in Type A and Type B females. Lane JD, et al. **Psychophysiology** 1984 Jan;21(1):39–46

Effect of mental stress on baroreceptor–mediated changes in blood pressure and heart rate and on plasma catecholamines and subjective responses in healthy men and women. Forsman L, et al. **Psychosom Med** 1983 Oct; 45(5):435–45

Caffeine and cardiovascular responses to stress. Lane JD. **Psychosom Med** 1983 Oct;45(5):447–51

[Muscle tension of patients with tension headaches during and between episodes of pain] Borgeat F, et al. **Acta Psychiatr Belg** 1984 Mar–Apr;84(2):108–14 (Eng. Abstr.) (Fre)

[Microcirculatory changes following psychoaffective shocks] Dumas JR, et al. **J Mal Vasc** 1984;9(1):17–9 (Eng. Abstr.) (Fre)

[Occupational stress, type A behavior and modification of arterial pressure] Kornitzer M, et al. **Rev Med Brux** 1983 Dec;4(10):667–74 (Eng. Abstr.) (Fre)

[Preoperative stress. Study of the mental behavior and parameters of physiological stress in non–premedicated patients during the preoperative period] Tolksdorf W, et al. **Anaesthesist** 1984 May;33(5):212–7 (Eng. Abstr.) (Ger)

[Behavior of blood pressure and substance P–like immunoreactivity (SPLIR) in plasma of rats with genetically fixed hypertension (SHR) under chronic intermittent immobilization] Roske I, et al. **Biomed Biochim Acta** 1983;42(6):731–6 (Eng. Abstr.) (Ger)

[Blood pressure and substance P–like immunoreactivity in the adrenal medulla and plasma of normotensive Wistar Kyoto rats and spontaneously hypertensive rats of varying age under acute stress] Roske I, et al. **Pharmazie** 1983 Dec; 38(12):885–6 (Ger)

[Effect of acute stress on the blood pressure of normotensive Wistar and WKY rats and the blood pressure of rats with genetically–established hypertension] Roske I, et al. **Pharmazie** 1983 Aug;38(8):564–5 (Ger)

[Psychoemotional effect on stomatognathic function—a study of prisoners awaiting trial] Csernay A, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):274–89 (Eng. Abstr.) (Ger)

[Physiological mechanism of the development of the symptoms in emotional stress] Yamashita K. **Seishin Shinkeigaku Zasshi** 1983;85(12):875–80 (Jpn)

[Comparative evaluation of the myocardial resistance of animals with hereditary hypertension and normal arterial pressure to the damaging action of stress] Katkova LS, et al. **Biol Nauki** 1984;(6):34–9 (Eng. Abstr.) (Rus)

[Changes in the arterial pressure and evoked potential in the sensorimotor cortex induced by nalorphine injected in the hypothalamus during painful electric shock in rabbits] D'iachkova GI. **Biull Eksp Biol Med** 1984 Jun;97(6):694–6 (Eng. Abstr.) (Rus)

[Monoamine oxidase activity in autonomic ganglia of rabbits with differing resistance of cardiovascular functions to emotional stress] Gorbunova AV, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):111–3 (Eng. Abstr.) (Rus)

[Testicular endocrine function in hamadryas baboons (Papio hamadryas) during chronic emotional stress] Katsiia GV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):285–7 (Eng. Abstr.) (Rus)

[Changes in cardiac contractile function in the dynamics of emotional–pain stress] Malyshev VV, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):148–50 (Eng. Abstr.) (Rus)

[Dynamics of the poststress recovery of the contractile function and adrenoreactivity of the portal vein] Manukhina EB, et al. **Biull Eksp Biol Med** 1984 May; 97(5):534–5 (Eng. Abstr.) (Rus)

[Effect of pretreatment with the alpha–adrenoblocker phentolamine and the beta–adrenoblocker inderal on the stress–induced decrease in adrenoreactivity of the portal vein] Manukhina EB. **Biull Eksp Biol Med** 1983 Oct; 96(10):62–3 (Eng. Abstr.) (Rus)

[Phenomenon of post–stress rigidity in the left ventricular myocardium] Meerson FZ, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):159–60 (Eng. Abstr.) (Rus)

[Effect of an emotionally painful stress on the resistance of the portal vein contractile function to changes in calcium concentration and the effect of anoxia] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):12–4 (Eng. Abstr.) (Rus)

[Respiratory rhythm of rats under acute emotional stress] Vagin IuE, et al. **Biull Eksp Biol Med** 1984 May;97(5):524–6 (Eng. Abstr.) (Rus)

[Role of maternal glucocorticoids during pregnancy in determining the reaction of the hypophyseal–adrenocortical system of adult progeny in emotional stress] Dygalo NN, et al. **Dokl Akad Nauk SSSR** 1983;271(4):1003–6 (Rus)

[Effect of prolonged stress on the hypophyseal–adrenal–gonadal system in rabbits of different ages] Vartapetov BA, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):243–5 (Rus)

[Effect of emotional and physical tension during blood withdrawal on the hemodynamic indices of donors and the prediction of inadequate vascular reactions] Krylov AA, et al. **Gematol Transfuziol** 1984 Mar;29(3):16–9 (Eng. Abstr.) (Rus)

[Strain on the cardiovascular system as affected by the instructional process] Grinene E, et al. **Gig Sanit** 1983 Oct; (10):33–6 (Eng. Abstr.) (Rus)

[Effect of ordinary school work and examinations on various indices of the cardiovascular and central nervous system in students] Sakharova IN, et al. **Gig Sanit** 1984 Apr; (4):85–6 (Rus)

[Examination stress as an indicator of the adaptative–trophic function of the nervous system] Volkind NIa. **Gig Sanit** 1983 Dec;(12):76–8 (Rus)

[Stress resistance of students who do and do not engage in physical exercises] Volkind NIa. **Gig Sanit** 1984 May; (5):93–4 (Rus)

[Effect of the circumstances of exams on the body function of students] Zadorozhnyĭ BV, et al. **Gig Sanit** 1983 Jun; (6):85–6 (Rus)

[Effects of work–inducing neuro–emotional stress on the circadian rhythm of the autonomic nervous system] Zhizhin'ski K. **Gig Tr Prof Zabol** 1983 Nov;(11):6–9 (Eng. Abstr.) (Rus)

[Disorders of contractile function and adrenoreactivity of the portal vein in emotionally–painful stress and experimental myocardial infarct and their prevention by means of membrane protectors] Meerson FZ, et al. **Kardiologiia** 1984 Apr;24(4):104–8 (Eng. Abstr.) (Rus)

[Prevention of disorders of myocardial contractile function under stress by the preliminary adaptation of animals to physical load] Meerson FZ, et al. **Kardiologiia** 1984 Jun; 24(6):19–23 (Eng. Abstr.) (Rus)

[Changes in the contraction of the smooth muscle of the rat portal vein during emotional stress] Meerson FZ, et al. **Kardiologiia** 1983 Nov;23(11):93–8 (Eng. Abstr.) (Rus)

[Use of a psychoemotional test in patients with ischemic heart disease] Sidorenko BA, et al. **Kardiologiia** 1984 May; 24(5):80–4 (Eng. Abstr.) (Rus)

[Diagnosis of human psychophysiological status based on the pitch of the vowel 'A'] Akinshchikova GI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):82–3 (Rus)

[Effect of examination stress on the cardiac activity of students with various levels of motor activity] Volkind NIa. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):86–7 (Rus)

[Role of the hypophysis in adaptation of the microcirculatory system to single and repeated stress] Gorizontova MP, et al. **Patol Fiziol Eksp Ter** 1983 Sep–Oct;(5):43–6 (Eng. Abstr.) (Rus)

[Effect of a modulated UHF field on the behavior and hormone level of female rats under emotional stress] Rasulov MM. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):13–6 (Eng. Abstr.) (Rus)

[Analysis of the mechanisms of refractivity of the pituitary–adrenal system in rat ontogeny] Shaliapina VG, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):55–9 (Eng. Abstr.) (Rus)

[Emotional stress and blood circulation] Fedorov VM, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):38–45 (Eng. Abstr.) (Rus)

[Adaptation of the body to stressful situations and prevention of stress–induced damage] Meerson FZ, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):45–51 (Eng. Abstr.) (Rus)

[Pharmacological analysis of the interactions of emotional–behavioral and hemodynamic reactions] Val'dman AV, et al. **Vestn Akad Med Nauk SSSR** 1984; (4):22–8 (Eng. Abstr.) (Rus)

[Oligopeptides in mechanisms of emotional reactions] Sudakov KV. **Vopr Med Khim** 1984 May–Jun;30(3):15–23 (Eng. Abstr.) (Rus)

[Chemical sensitivity of neurons to immobilization emotional stress in the rat] Iumatov EA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1128–34 (Eng. Abstr.) (Rus)

[Dynamics of spontaneous activity of hypothalamic neurons in the rat during emotional stress] Rasulov MM. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):350–4 (Eng. Abstr.) (Rus)

[Dynamics of the summary electrical activity of the dorsal hippocampus during development of experimental informational behavioral pathology] Tsintsadze DG, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):345–9 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Respite care in the home. Hildebrandt ED. **Am J Nurs** 1983 Oct;83(10):1428–31

Expectations: Part two. Saving face. McGrath WB. **Ariz Med** 1984 Aug;41(8):543–4

Stress in dentistry: it can kill you. Lang–Runtz H. **Can Dent Assoc J** 1984 Jul;50(7):539–41

Preventing nursing burnout: a challenge for liaison psychiatry. Fawzy FI, et al. **Gen Hosp Psychiatry** 1983 Jul;5(2):141–9

A hospital staff support program: design and evaluation. Gray–Toft P, et al. **Int J Nurs Stud** 1983;20(3):137–47

Comparison of three distraction techniques in reducing stress in dental patients. Seyrek SK, et al. **J Am Dent Assoc** 1984 Mar;108(3):327–9

Professional burnout and the operative dentist. Adelson R. **J Dent Educ** 1984 Feb;48(2):98–101

Faculty approaches to combating professional burnout. Neidle EA. **J Dent Educ** 1984 Feb;48(2):86–90

Dealing with burnout at the administrative level in dental education. Olsen NH. **J Dent Educ** 1984 Feb;48(2):95–7

A comprehensive stress–reduction program for dental students. Schwartz RM, et al. **J Dent Educ** 1984 Apr; 48(4):203–7

Stress management training for dental students. Tisdelle DA, et al. **J Dent Educ** 1984 Apr;48(4):196–202

Personal needs of family members of critically ill patients with and without acute brain injury. Mathis M. **J Neurosurg Nurs** 1984 Feb;16(1):36–44

Organizational burnout programs. Patrick PK. **J Nurs Adm** 1984 Jun;14(6):16–21

Reducing family stress during and after coronary artery bypass surgery. Gilliss CL. **Nurs Clin North Am** 1984 Mar; 19(1):103–11

Burnout among physical therapists. Schuster ND, et al. **Phys Ther** 1984 Mar;64(3):299–303

Health promotion: Control of stress and violent behavior. **Public Health Rep** 1983 Sep–Oct;Suppl:167–76

The 1990 objectives for the nation for control of stress and violent behavior: progress report. Silver BJ, et al. **Public Health Rep** 1984 Jul–Aug;99(4):374–84

[The support of relatives of the demented elderly] Van de Ven L, et al. **Tijdschr Gerontol Geriatr** 1983 Aug; 14(4):149–56 (Eng. Abstr.) **(Dut)**

[Stress reduction by i.m. premedication with 6 different single substances] Tolksdorf W, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):1–7 (Eng. Abstr.) **(Ger)**

[Protective effect of phenazepam and sodium oxybutyrate on somatic manifestations in immobilization stress] Malikova LA, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):60–2 (Eng. Abstr.) **(Rus)**

[Preventive value of functional music for students in stress situations] Viazovets NV. **Gig Tr Prof Zabol** 1984 Feb; (2):37–41 (Eng. Abstr.) **(Rus)**

[Effect of Eleutherococcys extract on the readaptation processes after 7–hour hypokinesia in rats] Khasina EI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):55–8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychological distress in parents of children with acute lymphatic leukemia. Magni G, et al. **Acta Psychiatr Scand** 1983 Oct;68(4):297–300

Distress and the traditional female role: a comparison of Mexicans and Anglos. Ross CE, et al. **AJS** 1983 Nov; 89(3):670–82

Social network interactions: a buffer or a stress. Fiore J, et al. **Am J Community Psychol** 1983 Aug;11(4):423–39

Coping with a threat to life: a longitudinal study of self–concept, social support, and psychological distress. Hobfoll SE, et al. **Am J Community Psychol** 1984 Feb; 12(1):87–100

Race differences in psychological distress: the effects of SES, urbanicity, and measurement strategy. Neff JA. **Am J Community Psychol** 1984 Jun;12(3):337–51

Social class, Mexican culture, and fatalism: their effects on psychological distress. Ross CE, et al. **Am J Community Psychol** 1983 Aug;11(4):383–99

Expectation and burnout in the developmental disabilities field. Stevens GB, et al. **Am J Community Psychol** 1983 Dec;11(6):615–27

Compulsive gambling and the 'survivor syndrome' [letter] Niederland WG. **Am J Psychiatry** 1984 Aug;141(8):1013

Psychological characteristics of duodenal ulcer patients (a pilot report on 30 patients). Taoi WF, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):532–4

Effects on academic learning of manipulating emotional states and motivational dynamics. Boyle GJ. **Br J Educ Psychol** 1983 Nov;53 (Pt 3):347–57

The relationship between locus of control and teacher burnout. McIntyre TC. **Br J Educ Psychol** 1984 Jun;54 (Pt 2):235–8

External and internal correlates of teachers' satisfaction and willingness to report stress. Smilansky J. **Br J Educ Psychol** 1984 Feb;54 (Pt 1):84–92

Measurement of stress and arousal: validation of the stress/arousal adjective checklist. King MG, et al. **Br J Psychol** 1983 Nov;74 (Pt 4):473–9

Psychodynamic aspects of occupational stress. Wasylenki DA. **Can J Psychiatry** 1984 Jun;29(4):295–301

The influence of precombat personality on posttraumatic stress disorder. Hendin H, et al. **Compr Psychiatry** 1983 Nov–Dec;24(6):530–4

Stress and adaptation in medical students: who is most vulnerable? Notman MT, et al. **Compr Psychiatry** 1984 May–Jun;25(3):355–66

Stress: a pervasive dilemma in psychiatric emergency care. Nurius PS. **Compr Psychiatry** 1984 May–Jun;25(3):345–54

Women and work stress: evidence from the 1946 birth cohort. Cherry N. **Ergonomics** 1984 May;27(5):519–26

Coping styles and vulnerability of women at work in residential settings. Defares PB, et al. **Ergonomics** 1984 May;27(5):527–45

Pressures on factory women: between the devil and the deep blue sea. Shimmin S. **Ergonomics** 1984 May;27(5):511–7

Families of handicapped children: sources of stress and its amelioration. Gallagher JJ, et al. **Except Child** 1983 Sep; 50(1):10–9 (60 ref.)

Learned helplessness: a piece of the burnout puzzle. Greer JG, et al. **Except Child** 1984 Apr;50(6):524–30

Stresses and coping in ICU nursing: why support groups fail. Weiner MF, et al. **Gen Hosp Psychiatry** 1983 Sep; 5(3):179–83

Residency training and emotional problems of physicians. Winer JA, et al. **IMJ** 1984 Jul;166(1):23–6

Parental facilitation of children's preparatory play behavior in a stressful situation. Gutstein SE, et al. **J Abnorm Child Psychol** 1983 Jun;11(2):181–91

Social support as a moderator of the aftereffects of stress in female psychiatric inpatients. Kiecolt–Glaser JK, et al. **J Abnorm Psychol** 1984 May;93(2):192–9

Stress and coping: constructs for nursing. Clarke M. **J Adv Nurs** 1984 Jan;9(1):3–13

Stress and strain from family roles and work–role expectations. Cooke RA, et al. **J Appl Psychol** 1984 May; 69(2):252–60

Unemployment and psychological distress in young people: the moderating role of employment commitment. Jackson PR, et al. **J Appl Psychol** 1983 Aug;68(3):525–35

Antecedents of psychological distress in young adults: self–rejection, deprivation of social support, and life events. Kaplan HB, et al. **J Health Soc Behav** 1983 Sep; 24(3):230–44

Stress, personal coping resources, and psychiatric symptoms: an investigation of interactive models. Wheaton B. **J Health Soc Behav** 1983 Sep;24(3):208–29

Antecedents of psychological stress. Harris JH, et al. **J Human Stress** 1983 Jun;9(2):24–31

Stress: a psychosocial view. Schwab JJ. **J Ky Med Assoc** 1984 Mar;82(3):115–20

Stress in junior medical students: relationship to personality and performance. Linn BS, et al. **J Med Educ** 1984 Jan; 59(1):7–12

A further assessment of medical school stress. Lloyd C, et al. **J Med Educ** 1983 Dec;58(12):964–7

Stress in medical education [letter] May J, et al. **J Med Educ** 1983 Dec;58(12):984

Reactions to the death of a parent. Results from patients and field subjects. Horowitz MJ, et al. **J Nerv Ment Dis** 1984 Jul;172(7):383–92

Hostage hallucinations. Visual imagery induced by isolation and life–threatening stress. Siegel RK. **J Nerv Ment Dis** 1984 May;172(5):264–72

Influence of psychic distress on short–term outcome of lumbar disc surgery. Tonelli L, et al. **J Neurosurg Sci** 1983 Oct–Dec;27(4):237–40

Toward an integrative approach to the study of stress. Fleming R, et al. **J Pers Soc Psychol** 1984 Apr;46(4):939–49

Personal control and stress and coping processes: a theoretical analysis. Folkman S. **J Pers Soc Psychol** 1984 Apr;46(4):839–52

Coping with job stress and burnout in the human services. Shinn M, et al. **J Pers Soc Psychol** 1984 Apr;46(4):864–76

Psychological tension and closeness to others: stress and interpersonal distance preference. Long GT. **J Psychol** 1984 May;117(1st Half):143–6

Burnout and self–actualization in public school teachers. Malanowski JR, et al. **J Psychol** 1984 May;117(1st Half):23–6

Stress, helplessness and control: the implications of laboratory studies. Steptoe A. **J Psychosom Res** 1983;27(5):361–7

Boundary spanning and public accountant role stress. Bartunek JM, et al. **J Soc Psychol** 1983 Oct;121(1st Half):65–72

Stress over time: parents with young handicapped children. Bernheimer LP, et al. **JDBP** 1983 Sep;4(3):177–81

Psychological stressors in antepartum hospitalization: reports from pregnant women. White M, et al. **Matern Child Nurs J** 1984 Spring;13(1):47–56

Stress–buffering effects of social support on maternal discipline. Brandt PA. **Nurs Res** 1984 Jul–Aug;33(4):229–34

Head nurse leadership style with staff nurse burnout and job satisfaction in neonatal intensive care units. Duxbury ML, et al. **Nurs Res** 1984 Mar–Apr;33(2):97–101

Students' perception of stress in a baccalaureate–MD degree program. Arnold L, et al. **Percept Mot Skills** 1984 Apr; 58(2):651–62

Stress and sucrose hyperphagia: role of endogenous opiates. Bertiere MC, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):675–9

Prenatal exposure to morphine in mice: enhanced responsiveness to morphine and stress. Castellano C, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):103–8

Psychological perspectives on iatrogenic physician impairment. Reidbord SP. **Pharos** 1983 Summer;46(3):2–8

Effect of naloxone on apomorphine–induced changes in locomotor activity of stress–exposed rats. Eroğlu L, et al. **Pol J Pharmacol Pharm** 1984 Jan–Feb;36(1):1–6

Some sequelae of stress in physicians. Vincent MO. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):120–4

Maslach Burnout Inventory: factor structures for samples of teachers. Belcastro PA, et al. **Psychol Rep** 1983 Oct; 53(2):364–6

Comparison of two measures of burnout. Stout JK, et al. **Psychol Rep** 1983 Aug;53(1):283–9

Long–term work stress. Brodsky CM. **Psychosomatics** 1984 May;25(5):361–4, 367–8

The relation of life stress and social support to emotional disequilibrium during pregnancy. Tilden VP. **Res Nurs Health** 1983 Dec;6(4):167–74

Life events or life processes as determinants of mental strain? A 5–year follow–up study. Aro S, et al. **Soc Sci Med** 1984; 18(12):1037–44

Ethnicity in the reported pain, emotional distress and requests of medical outpatients. Koopman C, et al. **Soc Sci Med** 1984;18(6):487–90

[Occupational stress and the forms of dealing with it—a study of Swiss dentists] Augustiny KF. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:786–803 **(Ger)**

[Coping with stress situations] Heim E. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:804–11 **(Ger)**

[Stress from the psychosocial viewpoint] Heim E. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93 Spec No:775–85 **(Ger)**

[Neurochemical analysis of the mechanism of action of serotoninergic substances on avoidance behavior in situations of acute stress] Shelekhov SL, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):423–6 (Eng. Abstr.) **(Rus)**

THERAPY

Reducing distress in pediatric cardiac catheterization. Naylor D, et al. **Am J Dis Child** 1984 Aug;138(8):726–9

Stress. Davis AJ. **Am J Nurs** 1984 Mar;84(3):365–6

A young child who witnessed her mother's murder: therapeutic and legal considerations. Zeanah CH, et al. **Am J Psychother** 1984 Jan;38(1):132–45

The management of children's distress in response to painful medical treatment for burn injuries. Elliott CH, et al. **Behav Res Ther** 1983;21(6):675–83

The importance of home practice for progressive relaxation training. Hillenberg JB, et al. **Behav Res Ther** 1983; 21(6):633–42

Treatment of psychological distress following mastectomy: an initial report. Tarrier N, et al. **Behav Res Ther** 1984; 22(1):81–4

Self–instructed relaxation: a therapeutic alternative. Hiebert B, et al. **Biofeedback Self Regul** 1983 Dec;8(4):601–17

The effects of instructional set on the outcome of a stress management program. Shaw ER, et al. **Biofeedback Self Regul** 1983 Dec;8(4):555–65

The confessions of a dental phobic (practise what you preach). Walker J. **Can Dent Assoc J** 1984 May;50(5):356–7

Implementation of psychosocial services in managing emotional stress. Wellisch DK. **Cancer** 1984 Feb 1;53(3 Suppl):828–32

Services for parental stress reduction in a pediatric ICU. Fiser DH, et al. **Crit Care Med** 1984 Jun;12(6):504–7

Psychoeducational courses for a nonpatient clientele at a mental health center. Womack WW, et al. **Hosp Community Psychiatry** 1983 Dec;34(12):1158–60

A comparison of relaxation methods for reducing stress in nursing personnel. Murphy LR. **Hum Factors** 1983 Aug; 25(4):431–40

Reduction of chronic psychosocial hypertension in mice by decaffeinated tea. Henry JP, et al. **Hypertension** 1984 May–Jun;6(3):437–44

Effectiveness of stress management training for nurses working in a burn treatment unit. von Baeyer C, et al. **Int J Psychiatry Med** 1983–84;13(2):113–26

Stress management training and relaxation imagery in the treatment of essential hypertension. Crowther JH. **J Behav Med** 1983 Jun;6(2):169–87

Cognitive imagery and physiological feedback relaxation protocols applied to clinically tense young adults: a comparison of state, trait, and physiological effects. Schandler SL, et al. **J Clin Psychol** 1983 Sep;39(5):672–81

Are stress management programs cost effective? [letter] McCunney RJ. **J Occup Med** 1984 Jun;26(6):410

Stress management in highway maintenance workers. Murphy LR. **J Occup Med** 1984 Jun;26(6):436–42

Lay–perceived legitimacy of physician utilization for emotional problems. An additional perspective on coping with stress and illness. Ben–Sira Z. **Med Care** 1983 Nov; 21(11):1128–30

Coping with stress under conditions of disaster and refugee care. Burkle FM Jr. **Milit Med** 1983 Oct;148(10):800–3

Battlefield stress: management techniques. Hibler RJ. **Milit Med** 1984 Jan;149(1):5–8

Therapeutic and physical touch: physiological response to stressful stimuli. Randolph GL. **Nurs Res** 1984 Jan–Feb; 33(1):33–6

Handling stress. Current NIOSH research. Murphy LR. **Occup Health Saf** 1983 Nov–Dec;52(11):14–7
A chronic emergency room visitor with chest pain: successful treatment by stress management training and biofeedback. Schwartz DP, et al. **Pain** 1984 Mar;18(3):315–9
Exercise for stress management. Program design and troubleshooting. Walsh WM. **Postgrad Med** 1983 Oct; 74(4):245–55
The Equitable Life Assurance Society program. Manuso JS. **Prev Med** 1983 Sep;12(5):658–62
The dynamics and prevention of stress-induced burnout in athletics. Smith RE. **Primary Care** 1984 Mar;11(1):115–27
An empirical study of rational emotive therapy in management of stress. Bowin RB. **Psychol Rep** 1983 Aug; 53(1):196–8
Stress management, cutting a long story short. Monesi F. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):113–30
[Behavioral approach to stress and anxiety and the management of stress] Fontaine O. **Encephale** 1983;9(4 Suppl 2):43B–48B (Eng. Abstr.) **(Fre)**
[Hypnosis and cancer: a working hypothesis. Initial notes] Costanzo S, et al. **Minerva Med** 1983 Sep 29;74(37):2153–5 (Eng. Abstr.) **(Ita)**

URINE

Influence of vitamin C status on the urinary excretion of catecholamines in stress. Kallner A. **Hum Nutr Clin Nutr** 1983 Dec;37(6):405–11
Different effects of selective and nonselective beta adrenoceptor blockade on urinary catecholamine and creatinine excretion in stress. Neftel KA, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):118–9
Behavioral and biochemical effects of job loss and unemployment stress. Fleming R, et al. **J Human Stress** 1984 Spring;10(1):12–7
Urinary-free cortisol excretion in relation to age in acutely stressed persons with depressive symptoms. Jacobs S, et al. **Psychosom Med** 1984 May–Jun;46(3):213–21
Adrenal cortical response to stress at Three Mile Island. Schaeffer MA, et al. **Psychosom Med** 1984 May–Jun; 46(3):227–37
[Markers of stress states of an affective nature] Lecomte J, et al. **Acta Psychiatr Belg** 1983 May–Jun;83(3):255–66 (Eng. Abstr.) **(Fre)**

STRESSFUL EVENTS see **LIFE CHANGE EVENTS**

STRIA VASCULARIS see under **COCHLEA**

STRIATE CORTEX see **VISUAL CORTEX**

STRIATED BORDER see **MICROVILLI**

STRIDOR see **RESPIRATORY SOUNDS**

STRIKES, EMPLOYEE

Medical strikes in France. Drobinski G, et al. **Ann Intern Med** 1983 Dec;99(6):862–3
Australian doctors on strike. Arnold PC. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):175–7
Impact of a province-wide nurses' strike on medical care in a regional referral centre. Stabler C, et al. **Can Med Assoc J** 1984 Aug 1;131(3):205–10
Israel's troubled health care system. Warner E. **Can Med Assoc J** 1984 Feb 15;130(4):454–6, 458–9, 462–3
Mortality in Jerusalem during the 1983 doctor's strike [letter] Slater PE, et al. **Lancet** 1983 Dec 3;2(8362):1306
Death rates and the 1983 doctors' strike in Israel [letter] Steinherz R. **Lancet** 1984 Jan 14;1(8368):107
Effects of a doctors' strike on emergency room utilization in a Jerusalem Hospital. Slater PE, et al. **Public Health** 1983 Nov;97(6):331–7

TRENDS

Doctors' strike in Israel [letter] **N Engl J Med** 1984 Mar 8;310(10):660–1

STROKE see **CEREBROVASCULAR DISORDERS**

STROKE VOLUME see under **CARDIAC OUTPUT**

STRONGYLE INFECTIONS, EQUINE

DRUG THERAPY

Benzimidazole resistance of equine strongyles: critical tests of several classes of compounds against population B strongyles from 1977 to 1981. Drudge JH, et al. **Am J Vet Res** 1984 Apr;45(4):804–9
Efficacy of ivermectin in injectable and oral paste formulations against eight-week-old Strongylus vulgaris larvae in ponies. Klei TR, et al. **Am J Vet Res** 1984 Jan; 45(1):183–5
Ivermectin and an ivermectin-penicillin combination: a comparison of anthelmintic efficacy in horses. DiPietro JA, et al. **Mod Vet Pract** 1984 May;65(5):A14–6
The elimination of equine strongyles and hematological and pathological consequences following larvicidal doses of thiabendazole. Hopfer SM, et al. **Vet Parasitol** 1984 Jan; 14(1):21–32
Effect of ivermectin treatment on eosinophilic pneumonia and other extravascular lesions of late Strongylus vulgaris larval migration in foals. Turk MA, et al. **Vet Pathol** 1984 Jan;21(1):87–92

IMMUNOLOGY

In vitro induction of lymphocyte responsiveness by a Strongylus vulgaris-derived mitogen. Bailey M, et al. **Z Parasitenkd** 1984;70(2):229–42

PARASITOLOGY

Transfer of adult Strongylus vulgaris via stomach tube. Hofing GL, et al. **Am J Vet Res** 1983 Oct;44(10):1928–9
Vertical migration of infective larvae of equine strongyles in sandy clay loam. Houston RS, et al. **Am J Vet Res** 1984 Mar;45(3):575–7
Effectiveness of fenbendazole against later 4th-stage Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1983 Dec;44(12):2285–9
Ingestion of ova by cyathostome nematodes. Reinemeyer CR. **Z Parasitenkd** 1983;69(4):547–9
[Field study of anthelmintic resistance of strongylids in horses] Bauer C, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):312–6 (Eng. Abstr.) **(Ger)**
[Endoparasite infections in wild and bred Polish horse] Romaniuk K, et al. **Wiad Parazytol** 1983;29(3):325–33 (Eng. Abstr.) **(Pol)**

PATHOLOGY

SEM study of Strongylus vulgaris larva-induced arteritis in the pony. White NA, et al. **Equine Vet J** 1983 Oct; 15(4):349–53
[Illustrated case report: parasitic enteritis in a horse] Rosenbruch M. **DTW** 1983 Aug 8;90(8):326 **(Ger)**

TRANSMISSION

[Seasonal dynamics of equine strongyle larvae and its relations to the risk of infection at pasture] Hasslinger MA, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):25–31 (Eng. Abstr.) **(Ger)**

STRONGYLOIDEA

Choniagnium algericum sp. n. (Nematoda: Strongylidae) from the intestine of African elephant, Loxodonta africana (Blumenbach, 1779). Prokopič J, et al. **Folia Parasitol (Praha)** 1983;30(4):309–11
A method for culture and recovery of gastrointestinal strongyle larvae. Henriksen SA, et al. **Nord Vet Med** 1983 Nov;35(11):429–30

ANATOMY & HISTOLOGY

An SEM study of the cephalic region, buccal cavity and male tail of the species of the genus Strongylus Müller, 1780 (Nematoda, Strongyloidea). Gibbons LM. **J Helminthol** 1984 Jun;58(2):149–58
Studies on the parasites of zebra. II. Cylicostephanus longiconus n. sp. (Nematoda: Strongylidae) from the mountain zebra, Equus zebra hartmannae (Matschie, 1898). Scialdo-Krecek RC. **Onderstepoort J Vet Res** 1983 Sep; 50(3):169–72

DRUG EFFECTS

Benzimidazole resistance of equine strongyles: critical tests of several classes of compounds against population B strongyles from 1977 to 1981. Drudge JH, et al. **Am J Vet Res** 1984 Apr;45(4):804–9
Efficacy of ivermectin in injectable and oral paste formulations against eight-week-old Strongylus vulgaris larvae in ponies. Klei TR, et al. **Am J Vet Res** 1984 Jan; 45(1):183–5
Effectiveness of fenbendazole against later 4th-stage Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1983 Dec;44(12):2285–9
Effect of ivermectin treatment on eosinophilic pneumonia and other extravascular lesions of late Strongylus vulgaris larval migration in foals. Turk MA, et al. **Vet Pathol** 1984 Jan;21(1):87–92
[Field study of anthelmintic resistance of strongylids in horses] Bauer C, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):312–6 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Demonstration of collagenase activity in adult Strongyloides ratti (Nematoda:Strongyloididae) and its absence in the infective larvae. Wertheim G, et al. **J Helminthol** 1983 Sep; 57(3):241–6

GROWTH & DEVELOPMENT

Transmission of equine cyathostomes (Strongylidae) in central Texas. Craig TM, et al. **Am J Vet Res** 1983 Oct; 44(10):1867–9
Transfer of adult Strongylus vulgaris via stomach tube. Hofing GL, et al. **Am J Vet Res** 1983 Oct;44(10):1928–9
[Seasonal dynamics of equine strongyle larvae and its relations to the risk of infection at pasture] Hasslinger MA, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):25–31 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

In vitro induction of lymphocyte responsiveness by a Strongylus vulgaris-derived mitogen. Bailey M, et al. **Z Parasitenkd** 1984;70(2):229–42

PARASITOLOGY

Effects of Onthophagus gazella F (Coleoptera: Scarabaeidae) on free-living strongyloids of equids. Houston RS, et al. **Am J Vet Res** 1984 Mar;45(3):572–4

PHYSIOLOGY

Ingestion of ova by cyathostome nematodes. Reinemeyer CR. **Z Parasitenkd** 1983;69(4):547–9

ULTRASTRUCTURE

Scanning electron microscopy of Strongylus spp. in zebra. Els HJ, et al. **Onderstepoort J Vet Res** 1983 Dec; 50(4):257–65

STRONGYLOIDES

GROWTH & DEVELOPMENT

The development of the free-living stages of Strongyloides papillosus. I. Effect of temperature on the development of the heterogonic and homogonic nematodes in faecal culture. Nwaorgu OC. **Vet Parasitol** 1983 Oct;13(3):213–23

IMMUNOLOGY

Experimental disseminated strongyloidiasis in Erythrocebus patas. II. Immunology. Genta RM, et al. **Am J Trop Med Hyg** 1984 May;33(3):444–50
Cellular responses in human strongyloidiasis. Genta RM, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):990–4
The location of antigenic sites on the surface of the nematode parasite Strongyloides ratti reactive to antibody-directed cellular cytotoxicity from both macrophages and eosinophils from the natural host. Tam ND, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):629–36
Transfer of immunity against Strongyloides ratti (Nematoda) using immune spleen cells. Haddow WJ, et al. **J Parasitol** 1984 Feb;70(1):187–9
Immunologic responses to experimental strongyloidiasis in rats. Genta RM, et al. **Z Parasitenkd** 1983;69(5):667–75

ISOLATION & PURIFICATION

Evaluation of faecal culture as a method of diagnosis of strongyloides stercoralis and experimental infection of albino rats by filariform larvae. Salem SA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):229–35

PATHOGENICITY

Mast and goblet cell responses in the small intestine of rats concurrently infected with Nippostrongylus brasiliensis and Strongyloides ratti. Nawa Y, et al. **J Parasitol** 1983 Dec; 69(6):1168–70

PHYSIOLOGY

[Plasmodium berghei-Strongyloides ratti interaction: experimental modification and mechanism] Bailenger J, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):193–203 (Eng. Abstr.) **(Fre)**

STRONGYLOIDIASIS

Parasitic arthritis induced by Strongyloides stercoralis. Akoğlu T, et al. **Ann Rheum Dis** 1984 Jun;43(3):523–5

BLOOD

[Clinical and treatment characteristics of strongyloidiasis depending on the ABO(H) system of patient blood groups] Tikhomirova EP, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):22–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Spurious pseudomembranous enteritis in strongyloidiasis. Morse JM, et al. **Am J Gastroenterol** 1984 Feb; 79(2):109–112
Pancreatic cystadenocarcinoma associated with strongyloides. Setia U, et al. **Am J Med** 1984 Jul;77(1):173–5
Intestinal secretion as a cause of hypokalemia and cardiac arrest in a patient with strongyloidiasis. Kane MG, et al. **Dig Dis Sci** 1984 Aug;29(8):768–72
Recurrent Strongyloides stercoralis infection in a patient with T-cell lymphoma-leukaemia [letter] O'Doherty MJ, et al. **Lancet** 1984 Apr 14;1(8381):858
A case report. Malabsorption secondary to S. stercoralis infestation. Alam SZ, et al. **Med J Zambia** 1982;16(4):85
Kidney transplant recipient with disseminated Strongyloides [letter] Narasimhan N, et al. **Transplantation** 1983 Oct; 36(4):472–3
[Hyperinfection with Strongyloides stercoralis following kidney transplantation] Zuidema PJ. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):261–3 **(Dut)**
[Malabsorption syndrome due to Strongyloides stercoralis. A case of autopsy] Oddó D, et al. **Rev Med Chil** 1983 Apr; 111(4):443–6 (Eng. Abstr.) **(Spa)**
[Fatal strongyloidiasis in acute lymphoblastic leukemia]

Bezares RF, et al. **Sangre (Barc)** 1984;29(1):67–72 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cytologic detection of Enterobius vermicularis and Strongyloides stercoralis in routine cervicovaginal smears and urocytograms. Avram E, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):468–70

Chronic relapsing colitis due to Strongyloides stercoralis. Berry AJ, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1289–93

A case of a patient with deteriorating multisystem disease. Webster E, et al. **Ann Allergy** 1984 Jun;52(6):399–400, 423–7

Strongyloidiasis in infancy. Case report and review. Granot E, et al. **Isr J Med Sci** 1983 Dec;19(12):1089–93

Evaluation of faecal culture as a method of diagnosis of strongyloides stercoralis and experimental infection of albino rats by filariform larvae. Salem SA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):229–35

Disseminated strongyloidiasis in children: a case report. Thisyakorn U, et al. **J Med Assoc Thai** 1983 Jul;66(7):410–2

Strongyloidiasis at North Carolina Memorial Hospital. Davidson RA. **NC Med J** 1984 Feb;45(2):77–8

Test and teach. Number forty-four.Diagnosis: strongyloidiasis. Pieterse AS, et al. **Pathology** 1983 Oct; 15(4):366–7, 506–7

Strongyloidiasis manifested as asthma. Dunlap NE, et al. **South Med J** 1984 Jan;77(1):77–8

Disseminated Strongyloides stercoralis: a fatal case eluding diagnosis. Klein RA, et al. **South Med J** 1983 Nov; 76(11):1438–40

Atypical presentations of strongyloidiasis. Thomas E. **Trop Gastroenterol** 1983 Jul–Sep;4(3):129–36

[Infection with Strongyloides stercoralis [letter]] Scherpbier J. **Ned Tijdschr Geneeskd** 1984 Apr 21;128(16):786 **(Dut)**

[Autochthonous anguilluliasis (letter)] Dutoit E, et al. **Presse Med** 1983 Dec 17;12(46):2946–7 **(Fre)**

[Laboratory methods for diagnosing strongyloidosis] Pliushcheva GL. **Lab Delo** 1984;(2):86–9 (Eng. Abstr.) **(Rus)**

[Clinical aspects of the acute stage of strongyloidiasis] Tikhomirova EP, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):37–40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cambendazole in the treatment of human strongyloidiasis. Bicalho SA, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):1181–3

The effects of 22, 23-dihydroavermectin B1 on Strongyloides ratti and S. stercoralis infections in mice. Grove DI. **Ann Trop Med Parasitol** 1983 Aug;77(4):405–10

Treatment of human strongyloidiasis with Cambendazole, a new anthelminthic. Double-blind study. Barański MC, et al. **Mater Med Pol** 1983 Jan–Jun;15(1–2):36–8

[Basis of a rational scheme for control examinations of strongyloidiasis patients following treatment] Prokhorov AF, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb;(1):62–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Chronic strongyloidiasis in World War II Far East ex-prisoners of war. Pelletier LL Jr. **Am J Trop Med Hyg** 1984 Jan;33(1):55–61

Risk factors for strongyloidiasis. A case-control study. Davidson RA, et al. **Arch Intern Med** 1984 Feb; 144(2):321–4

IMMUNOLOGY

Experimental disseminated strongyloidiasis in Erythrocebus patas. II. Immunology. Genta RM, et al. **Am J Trop Med Hyg** 1984 May;33(3):444–50

Cellular responses in human strongyloidiasis. Genta RM, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):990–4

Nippostrongylus brasiliensis and Strongyloides ratti: concurrent infection in normal and immunized rats. Mimori T, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):435–7

The location of antigenic sites on the surface of the nematode parasite Strongyloides ratti reactive to antibody-directed cellular cytotoxicity from both macrophages and eosinophils from the natural host. Tam ND, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):629–36

Strongyloides stercoralis: hyperinfection in immunosuppressed dogs. Schad GA, et al. **Exp Parasitol** 1984 Jun;57(3):287–96

Transfer of immunity against Strongyloides ratti (Nematoda) using immune spleen cells. Haddow WJ, et al. **J Parasitol** 1984 Feb;70(1):187–9

Strongyloidiasis and impaired immunity [letter] Gill GV, et al. **Lancet** 1984 Apr 14;1(8381):858

High incidence of HTLV antibody in carriers of Strongyloides stercoralis [letter] Nakada K, et al. **Lancet** 1984 Mar 17;1(8377):633

Immunological features in different clinical forms of strongyloidiasis. Carvalho EM, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):346–9

Immunologic responses to experimental strongyloidiasis in rats. Genta RM, et al. **Z Parasitenkd** 1983;69(5):667–75

[Diagnostic value of the human basophil degranulation test in anguilluliasis (letter)] Deluol AM, et al. **Presse Med** 1984 Jun 16;13(25):1574 **(Fre)**

OCCURRENCE

Some laboratory, epidemiological and clinical features of Strongyloides stercoralis infection in a focus of low endemicity. Rawlins SC, et al. **West Indian Med J** 1983 Dec;32(4):212–8

[Strongyloidiasis in Yugoslavia and throughout the world] Breitenfeld V, et al. **Liječ Vjesn** 1984 Jan;106(1):33–8 (Eng. Abstr.) **(Scr)**

[Clinico-epidemiological study of strongyloidiasis in pregnant women in Santa Cruz, Bolivia] De Muynck A, et al. **Bol Chil Parasitol** 1982 Jul–Dec;37(3–4):50–4 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Persistent and disseminated infections with Strongyloides stercoralis in immunosuppressed dogs. Grove DI, et al. **Int J Parasitol** 1983 Oct;13(5):483–90

PATHOLOGY

Experimental disseminated strongyloidiasis in Erythrocebus patas. I. Pathology. Harper JS 3d, et al. **Am J Trop Med Hyg** 1984 May;33(3):431–43

Fatal strongyloidiasis in Siriraj Hospital, Bangkok, Thailand. Panyathanya R, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):294–7

PHYSIOPATHOLOGY

Mast and goblet cell responses in the small intestine of rats concurrently infected with Nippostrongylus brasiliensis and Strongyloides ratti. Nawa Y, et al. **J Parasitol** 1983 Dec; 69(6):1168–70

THERAPY

Surgical perpetuation of serious infection with Strongyloides stercoralis [letter] Zyngier FR, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):425

TRANSMISSION

Sexual transmission of Strongyloides stercoralis among homosexual men [letter] Sorvillo F, et al. **Br J Vener Dis** 1983 Oct;59(5):342

VETERINARY

Kinetics of intestinal lamina propria mast cells, globule leucocytes, intraepithelial lymphocytes, goblet cells and eosinophils in murine strongyloidiasis. Carroll SM, et al. **Int Arch Allergy Appl Immunol** 1984;74(4):311–7

Influence of an experimental infection of Strongyloides ransomi on performance of pigs. Hale OM, et al. **J Anim Sci** 1984 May;58(5):1231–5

Treatment of lungworm disease in the cat with fenbendazole. Hamilton JM, et al. **Vet Rec** 1984 Jan 14;114(2):40–1

[Characterization of areas at parasitic risk for sheep reared under conditions of uncontrolled breeding on the ranges of the Causses. 1. Study methodology and its application to gastrointestinal strongyles] Gruner L, et al. **Ann Rech Vet** 1983;14(3):287–300 (Eng. Abstr.) **(Fre)**

STRONGYLOSIS, EQUINE see **STRONGYLE INFECTIONS, EQUINE**

STRONTIUM

ANALYSIS

Strontium concentrations in whole human saliva. Curzon ME. **Arch Oral Biol** 1984;29(3):211–4

Strontium and dental caries. **Nutr Rev** 1983 Nov;41(11):342–4

BLOOD

[Ion-exchange sorption of calcium and strontium from blood and its plasma] Kolosov IV, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):40–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Separation of trace amounts of Ca2+ and Sr2+ from K+ and Rb+ with a hydrous manganese dioxide ion exchanger. Tsuji M, et al. **Radioisotopes** 1984 Apr;33(4):218–21

METABOLISM

Apparent saturation kinetics of divalent cation uptake in yeast caused by a reduction in the surface potential. Borst-Pauwels GW, et al. **Biochim Biophys Acta** 1984 Apr 11;771(2):171–6

Effect of ruthenium red on the Ca2+ and Sr2+ efflux from rat liver mitochondria: influence of nupercaine. Pezzi L. **Biosci Rep** 1984 Mar;4(3):231–7

Energy interconversion in sarcoplasmic reticulum vesicles in the presence of Ca2+ and Sr2+ gradients. Guimarães-Motta H, et al. **J Biol Chem** 1984 Jul 25; 259(14):8699–705

Acid reactivity of carbonated apatites with strontium and fluoride substitutions. Featherstone JD, et al. **J Dent Res** 1983 Oct;62(10):1049–53

PHARMACODYNAMICS

Inhibition by Sr2+ of specific mitochondrial Ca2+-efflux pathways. Saris NE, et al. **Biochim Biophys Acta** 1983 Oct 31;725(1):19–24

Strontium, nifedipine and 4-aminopyridine modify the time course of the action potential in cells from rat ventricular muscle. Mitchell MR, et al. **Br J Pharmacol** 1984 Mar; 81(3):551–6

A possible explanation for effects of Sr2+ on contraction-relaxation cycle in canine stomach. Yasuda N, et al. **Comp Biochem Physiol [A]** 1984;78(1):35–41

Ionic regulation of cyclic AMP levels in Paramecium tetraurelia in vivo. Schultz JE, et al. **FEBS Lett** 1984 Feb 13;167(1):113–6

Effects of fluoride, lithium, and strontium on intracellular polysaccharide accumulation in S. mutans and A. viscosus. Wegman MR, et al. **J Dent Res** 1984 Sep;63(9):1126–9

Effects of calcium, strontium, and barium ions on phosphorylation of hippocampal proteins in vitro. Hoch DB, et al. **J Neurochem** 1984 Jan;42(1):54–8

Divalent cations differentially support transmitter release at the squid giant synapse. Augustine GJ, et al. **J Physiol (Lond)** 1984 Jan;346:257–71

Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: the effects of calcium, strontium and barium. Robinson PJ, et al. **Neurosci Lett** 1983 Dec 23; 43(1):85–90

Potassium-induced depolarizations and generation of tension in barnacle muscle fibres: effects of external calcium, strontium and barium. Luxoro M, et al. **Q J Exp Physiol** 1984 Apr;69(2):235–43

URINE

Determination of strontium-90 in urine by extraction without ashing. Săsnár V. **Anal Chem** 1984 Mar;56(3):605–8

STRONTIUM RADIOISOTOPES

Lysis of FLD-3 Friend erythroleukemia cells in vitro and in vivo: effect of 89Sr treatment and Friend virus infection. Lust JA, et al. **Int J Cancer** 1984 Jan 15;33(1):107–13

Nonstochastic effects of different energy beta emitters on the mouse skin. Coggle JE, et al. **Radiat Res** 1984 Aug; 99(2):336–45

Nonstochastic effects of different energy beta emitters on pig skin. Peel DM, et al. **Radiat Res** 1984 Aug;99(2):372–82

ADMINISTRATION & DOSAGE

Influence of 90Sr, adult thymectomy and antilymphocyte globulin on T-cells in mouse peripheral blood. Bierke P, et al. **Acta Radiol [Oncol]** 1984;23(1):61–4

Effects of 89Sr on the production and maturation of small lymphocytes bearing surface immunoglobulin, Fc, and complement receptors in mice. Chan FP, et al. **Radiat Res** 1984 Mar;97(3):576–86

[Blastomogenic effect in rats exposed to separate uptake of osteotropic radionuclides and in combination with 131I] Zhorno LIa, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):120–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Incidence of osteosarcomas and the average life span of rats receiving 90Sr] Shvedov VL, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):489–94 (Eng. Abstr.) **(Rus)**

ANALYSIS

Prediction models for 90Sr in shed deciduous teeth and infant bone. Aarkrog A. **Health Phys** 1971 Dec;21(6):803–9

Movement of radiostrontium in the soil profile in an arid climate. Cline JF, et al. **Health Phys** 1984 May;46(5):1136–8

Annual dose equivalents from varying annual intakes of 90Sr. Gant KS. **Health Phys** 1984 Jan;46(1):211–3

Characterization of an aerosol sample from the auxiliary building of the Three Mile Island reactor. Kanapilly GM, et al. **Health Phys** 1983 Nov;45(5):981–9

The transfer of strontium-90 and caesium-137 to milk in a dairy herd grazing near a major nuclear installation. Sumerling TJ, et al. **Sci Total Environ** 1984 Mar 1; 34(1–2):57–72

[Irradiation of the population of the USSR 1976–1981 due to strontium-90 and cesium-137 uptake with the food ration] Barkhudarov RM, et al. **Gig Sanit** 1983 Oct; (10):81–2 **(Rus)**

DIAGNOSTIC USE

[Comparative studies on 99mTc-pyrophosphate and 85Sr-chloride for skeletal imaging] Sato T, et al. **Radioisotopes** 1984 Apr;33(4):207–12 (Eng. Abstr.) **(Jpn)**

METABOLISM

The influence of sea water's salinity on absorption of Sr-90 and Cs-137 by Fucus sp. Dubicka J. **Bull Inst Marit Trop Med Gdynia** 1982;33(3–4):137–41

The effect of lactose and iron on strontium absorption. Gruden N. **Experientia** 1984 Sep 15;40(9):941–2

Reduction in the absorption and retention of strontium in rats. Slat B, et al. **Health Phys** 1971 Dec;21(6):811–4

[Effect of irradiation on the in vivo and in vitro subcellular distribution of radiostrontium in rat liver] Gerasimo P, et al. **C R Seances Acad Sci [III]** 1984;298(9):267–70 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Nuclear medicine therapy of bone metastases] Kimmig B, et al. **Rontgenblatter** 1983 Jul;36(7):216–9 (Eng. Abstr.) **(Ger)**

STROPHANTHIDIN

ANALOGS & DERIVATIVES

Effects of acetyl-strophanthidin on left ventricular function and ventricular arrhythmias. Podrid P, et al. **Am Heart J** 1984 May;107(5 Pt 1):882–7

PHARMACODYNAMICS

The inotropic effects of strophanthidin in Purkinje fibers and the sodium pump. Bernabei R, et al. **Circulation** 1984 Mar; 69(3):618–31

The relationship among intracellular sodium activity, calcium, and strophanthidin inotropy in canine cardiac Purkinje fibers. Vassalle M, et al. **J Gen Physiol** 1984 Feb; 83(2):287–307

TOXICITY

Calcium overload and strophanthidin-induced mechanical toxicity in cardiac Purkinje fibers. Lin CI, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1329–39

G-STROPHANTHIN see OUABAIN

STROPHANTHINS

ADVERSE EFFECTS

[Possibility of using strophanthin during electrocardiography] Govorunova NN, et al. **Gig Sanit** 1984 Apr;(4):41–2 **(Rus)**

[Therapeutic correction with retabolil of functional plastic dissociation during strophanthin use on acute myocardial infarct patients] Leshchinskiĭ LA, et al. **Ter Arkh** 1984; 56(4):23–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Photoaffinity labeling of (Na+K+)-ATPase with [125I]iodoazidocymarin. Lowndes JM, et al. **J Biol Chem** 1984 Aug 25;259(16):10533–8

PHARMACODYNAMICS

Effect of cardiac glycosides on the coronaries: physiologic and morphologic studies in the dog heart. Sótonyi P, et al. **Acta Physiol Hung** 1984;63(2):153–60

THERAPEUTIC USE

[K-strophanthin and vitamin E in the prevention of myocardiopathy caused by adriamycin. Noninvasive evaluation at rest and after isometric exercise] Butturini U, et al. **Clin Ter** 1984 Mar 15;108(5):389–95 (Eng. Abstr.) **(Ita)**

[Effect of the cardiac glycosides lanatoside C and strophanthin K on left on left · ..tricular function in patients with mitral stenosis] Dubiel JP, et al. **Folia Med Cracov** 1982–83;24(1–2):25–39 (Eng. Abstr.) **(Pol)**

TOXICITY

[Cardiotoxicity of strophanthin for rats and its correction with anaprilin in coronary-related and non-coronary-related damage to the myocardium and acute cardiac insufficiency] Gendenshteĭn ZI, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):683–6 (Eng. Abstr.) **(Rus)**

STRUCTURE-ACTIVITY RELATIONSHIP

On the variation of toxic effects over species, its cause, and analysis by 'structure-selectivity relations'. Smissaert HR, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):294–302

Statistical analysis of structure-activity relationships. Daniels KL, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):350–2

Comparative study of lipophilicity versus topological molecular descriptors in biological correlations. Basak SC, et al. **J Pharm Sci** 1984 Apr;73(4):429–37

General definition of valence delta-values for molecular connectivity. Kier LB, et al. **J Pharm Sci** 1983 Oct; 72(10):1170–3

Examination of the interrelationship between aliphatic group dipole moment and polar substituent constants. Li WY, et al. **J Pharm Sci** 1984 Apr;73(4):553–8

Theoretical approaches to drug design and biological activity: II. Multivariate structure-activity relationships in combination with the multivariate bioassay (MASCA model). **Mager PP. Med Res Rev** 1983 Oct-Dec;3(4):435–98 (113 ref.)

Transport in QSAR VIII. The influence of viscosity on transport rate constants in two-phase systems organic solvent-water. De Haan FH, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):222–7

Estimation of toxicological endpoints by structure-activity relationships. Enslein K. **Pharmacol Rev** 1984 Jun;36(2 Suppl):131S–135S (29 ref.)

Mutagenicity (Ames): a structure-activity model. Enslein K, et al. **Teratogenesis Carcinog Mutagen** 1983;3(6):503–13

[Q-model cluster analysis of 96 common aromatic substituents] Wang EH, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):665–72 (Eng. Abstr.) **(Chi)**

[Studies on the methodology of QSAR—an improved stepwise regression analysis] Wang JS, et al. **Yao Hsueh Hsueh Pao** 1983 Apr;18(4):256–60 (Eng. Abstr.) **(Chi)**

[QSAR and aromatic series: proposals for steric parameters] Taillandier G, et al. **Farmaco [Sci]** 1983 Jul;38(7):473–87 (Eng. Abstr.) **(Fre)**

STRUMA OVARII

DIAGNOSIS

Malignant struma ovarii. de Graaff J, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):31–5

[Struma ovarii] Jaffe R, et al. **Harefuah** 1984 Apr 1; 106(7):310–1 (Eng. Abstr.) **(Heb)**

PATHOLOGY

Struma ovarii. Observations on three cases. Urbano U, et al. **Eur J Gynaecol Oncol** 1984;5(2):113–8

Carcinoid tumors of the ovary. Talerman A. **J Cancer Res Clin Oncol** 1984;107(2):125–35

[Ovarian strumal carcinoid—report of 2 cases] Fan LD. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):171–3 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

[Strumal carcinoid of the ovary. A case with ultrastructural and immunohistochemical study] Gaillard F, et al. **Arch Anat Cytol Pathol** 1984;32(1):37–41 (Eng. Abstr.) **(Fre)**

STRYCHNINE

ANALOGS & DERIVATIVES

First derivative spectrophotometric determination of strychnine and brucine in nux vomica liquid extract. Korany MA, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):138–41

[Studies on physical and chemical quality evaluation of crude drug preparation. II. Analysis of pharmaceutical preparations including nux vomica extracts by high performance liquid chromatography] Hayakawa J, et al. **Yakugaku Zasshi** 1984 Jan;104(1):57–61 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Liquid chromatographic determination of strychnine as poison in domestic animals. Hunter RT, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):542–5

First derivative spectrophotometric determination of strychnine and brucine in nux vomica liquid extract. Korany MA, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):138–41

The rapid estimation of strychnine in tincture of nux vomica BP by high-performance liquid chromatography. Dennis R. **J Pharm Pharmacol** 1984 May;36(5):332–3

Analytical studies on illicit heroin. III. Auto-interference in the colorimetric determination of strychnine in illicit heroin samples. Huizer H. **Pharm Weekbl [Sci]** 1983 Oct 21; 5(5):254–5

[Studies on the processing method of Strychnos nux-vomica] Gong LG. **Chung Yao Tung Pao** 1984 Mar;9(2):19–21 **(Chi)**

[Studies on physical and chemical quality evaluation of crude drug preparation. II. Analysis of pharmaceutical preparations including nux vomica extracts by high performance liquid chromatography] Hayakawa J, et al. **Yakugaku Zasshi** 1984 Jan;104(1):57–61 (Eng. Abstr.) **(Jpn)**

METABOLISM

An immunological probe for identification of strychnine binding sites on neuronal membrane. Srinivasan Y, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):267–70

PHARMACODYNAMICS

Strychnine eliminates alternating motor output during fictive locomotion in the lamprey. Cohen AH, et al. **Brain Res** 1984 Feb 13;293(1):164–7

Effect of strychnine and of bicuculline on dopamine synthesis in retinas of dark-maintained rats. Morgan WW, et al. **Brain Res** 1983 Nov 14;278(1–2):362–5

The central actions of glycine and strychnine on prolactin and LH secretion. Ondo JG, et al. **Brain Res Bull** 1983 Jul;11(1):7–10

A re-excitation mechanism for strychnine-induced doublets in molluscan neurons. Gola M, et al. **Comp Biochem Physiol [C]** 1984;77(2):257–66

Differential effects of strychnine on two types of vascular muscle. Louttit JB, et al. **Eur J Pharmacol** 1984 Feb 17; 98(2):249–53

Generation of respiratory activity by the lamprey brain exposed to picrotoxin and strychnine, and weak synaptic inhibition in motoneurons. Rovainen CM. **Neuroscience** 1983 Nov;10(3):875–82

The influence of strychnine and glycine on the metabolism of acetylcholine in the rat striatum and hippocampus. Tomaszewski A, et al. **Pol J Pharmacol Pharm** 1983; 35(4):271–7

[Dynamics of local vascular reactions during increased brain activity] Baramidze DG, et al. **Fiziol Zh SSSR** 1983 Aug; 69(8):1058–64 (Eng. Abstr.) **(Rus)**

[Spread of the dilatational reactions in the pial artery system to the microapplication of strychnine to the surface of the brain] Mchedlishvili GI, et al. **Fiziol Zh SSSR** 1984 May; 70(5):667–72 (Eng. Abstr.) **(Rus)**

POISONING

Epidemiologic and diagnostic considerations of strychnine poisoning in the dog. Blakley BR. **J Am Vet Med Assoc** 1984 Jan 1;184(1):46–7

Two deaths resulting from apparent parenteral injection of strychnine. Decker WJ, et al. **Vet Hum Toxicol** 1982 Apr; 24(2):86

TOXICITY

Influence of levodopa, apomorphine and 3,4-dihydroxyphenylserine (DOPS) on strychnine-induced seizures in mice. Wambebe C, et al. **Gen Pharmacol** 1984; 15(3):243–5

Sex-related toxicity of somatostatin and its interaction with pentobarbital and strychnine. Caprino L, et al. **Toxicol Lett** 1983 Jun;17(1–2):145–9

STUART FACTOR see FACTOR X

STUART-PROWER FACTOR see FACTOR X

STUDENT DROPOUTS

Health-related behavior of adolescents: change over time. Epstein L, et al. **J Adolesc Health Care** 1984 Apr;5(2):91–5

Parents teach self help at home. Patterson I. **Spec Educ Forward Trends** 1984 Jun;11(2):25–6

PSYCHOLOGY

Search for the relationship between interrupted university attendance of first year students and some psychosocial factors. Lecompte D, et al. **Acta Psychiatr Belg** 1983; 83(6):609–17

A school-refuser: his rest-activity rhythm involved multiple circadian components. Chiba Y. **Chronobiologia** 1984 Jan–Mar;11(1):21–7

The influence of a return to school on the long-term adjustment of school refusers. Valles E, et al. **J Adolesc** 1984 Mar;7(1):35–44

STUDENT HEALTH SERVICES

American College Health Association recommended standards and practices for a college health program. **J Am Coll Health** 1984 Feb;32(4):133–82

Herpes: coping and caring—a total college health program. Anderson MB, et al. **J Am Coll Health** 1983 Dec; 32(3):128–9

An anonymous peer counseling system for use with pregnant students. Brasseur JW. **J Am Coll Health** 1983 Oct;32(2):88

Campylobacter enteritis in a college health setting. Histand PC. **J Am Coll Health** 1983 Oct;32(2):78–81

The Self-Care Center for Cuts: a model for student development. Mulvihill CJ. **J Am Coll Health** 1983 Dec; 32(3):121–4

A survey of campus peer counseling activities. Salovey P, et al. **J Am Coll Health** 1984 Jun;32(6):262–5

Mental health services for gay students: Gay-Straight Rap. Stites MC. **J Am Coll Health** 1983 Oct;32(2):86–7

Conducting a needs assessment of university psychological services: a campaign of telephone and mail strategies. Talley JE, et al. **J Am Coll Health** 1983 Dec;32(3):101–3

The Elms College Nursing Center: an independent setting for translating theory into practice. Glanovsky AR, et al. **J Nurs Educ** 1984 May;23(5):209–11

The potential usefulness of group psychotherapy amongst National University of Singapore students. Ong YL, et al. **Singapore Med J** 1983 Aug;24(4):202–6

A study of 100 consecutive referrals in a university psychiatric clinic. Kerr A. **Ulster Med J** 1984;53(1):58–64

[Evaluation of the level of mental health in a group of students] Bejat M, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Apr–Jun; 28(2):139–47 **(Rum)**

ECONOMICS

Screening for chest disease in college students: policies of student health services regarding the use of routine screening chest radiographs and tuberculin skin tests. Fager SS, et al. **Am J Public Health** 1984 Feb;74(2):143–6

Gynecological services utilization by contraceptive clients: a cost analysis. Zapka JG, et al. **J Am Coll Health** 1983 Oct;32(2):66–72

LEGISLATION & JURISPRUDENCE

Law, religious beliefs and health care in student health services. Timmreck TC. **J Sch Health** 1983 Oct;53(8):503–4

ORGANIZATION & ADMINISTRATION

Guidelines for directing college health services. Kalma S. **Nurs Outlook** 1983 Nov–Dec;31(6):326–7

STANDARDS

DSM–III and the college mental health setting: the University of Massachusetts experience. Hersh JB, et al. **J Am Coll Health** 1983 Jun;31(6):247–52

STUDENT LOANS see TRAINING SUPPORT

STUDENTS

Drug use by junior high and high school students [letter] Schwartz R. **Arch Otolaryngol** 1983 Dec;109(12):836

The cigarette–smoking habit among preuniversity students in Havana, Cuba, in 1980. Joly DJ, et al. **Bull Pan Am Health Organ** 1983;17(2):158–63

Attitudes of high school students toward drug education. Omishakin A. **Drug Alcohol Depend** 1983 Nov;12(3):295–7

Mental health and student wastage [editorial] Acuda SW. **East Afr Med J** 1983 Nov;60(11):737–8

Morningness–eveningness preferences and sleep–waking dairy data of morning and evening types in student and worker samples. Mecacci L, et al. **Ergonomics** 1983 Dec; 26(12):1147–53

The distribution of Necator americanus and Ancylostoma duodenale in school populations, Gojam and Gondar Administrative Regions. Jemaneh L, et al. **Ethiop Med J** 1984 Apr;22(2):87–92

Reactions of the principal physiological systems of children aged 6–12 years during adaptation to schoolwork. Antropova MV. **Hum Physiol** 1983 Jan–Feb;9(1):1–7

Comparative study of the personality correlates and nature of drug abuse in schools and colleges. Agrawal RK, et al. **Indian J Pediatr** 1982 Sep–Oct;49(400):671–9

Drug taking by Nigerian students in American universities: prevalences for four commonly used drugs. Achalu OE, et al. **Int J Addict** 1984 May;19(3):253–63

An investigation of the effects of daily physical activity on the health of primary school students in South Australia. Dwyer T, et al. **Int J Epidemiol** 1983 Sep;12(3):308–13

Cautions on the use of student evaluations of teaching. Judis J. **J Allied Health** 1982 Feb;11(1):43–8 (31 ref.)

The college student and marijuana: research findings concerning adverse biological and psychological effects. Nicholi AM Jr. **J Am Coll Health** 1983 Oct;32(2):73–7 (36 ref.)

Awareness of the existence of postcoital contraception among students who have had a therapeutic abortion. Schilling LH. **J Am Coll Health** 1984 Jun;32(6):244–6

Student choices and effectiveness. Schilling LH. **J Am Coll Health** 1984 Jun;32(6):239–43

Health career preview: a summer internship for minority students in a teaching hospital. Handler DS, et al. **J Natl Med Assoc** 1983 Oct;75(10):1007–9, 1013–4

Student directed projects in cancer education: eight years experience in California. Hilborne LH, et al. **J Sch Health** 1983 Oct;53(8):491–3

Management of the obese child in the school. Little J. **J Sch Health** 1983 Sep;53(7):440–1

Students and drug abuse, 1974 and 1980. Ryser PE. **J Sch Health** 1983 Sep;53(7):435–6

Students' knowledge of child health and development: effects on approaches to discipline. Showers J, et al. **J Sch Health** 1984 Mar;54(3):122–5

What high school students don't know about cardiovascular disease. Weinberg AD, et al. **J Sch Health** 1984 Mar; 54(3):112–7

Preferences for treatment approaches in medical care. College students versus diabetic outpatients. Pendleton L, et al. **Med Care** 1984 Jul;22(7):644–6

Can Australians identify snakes? Morrison JJ, et al. **Med J Aust** 1983 Jul 23;2(2):66–70

Evaluation by objectives: teaching students to evaluate faculty. Hassell J, et al. **Nurs Forum** 1984;21(1):15–8

Tobacco smoking among students at the University of the Witwatersrand, Johannesburg. Borkon L, et al. **S Afr Med J** 1983 Nov 12;64(21):809–12

Helping students to begin hospital field placements: an active learning approach. Rauch JB. **Soc Work Health Care** 1984 Spring;9(3):63–75

[Glucose–6–phosphate dehydrogenase deficiency among the student population of Milan] Gualandri V, et al. **J Genet Hum** 1983 Sep;31(3):201–9 (Eng. Abstr.) (Fre)

[Epidemiological studies on caries in bakers] Ott KH. **Dtsch Zahnarztl Z** 1984 Apr;39(4):267–73 (Eng. Abstr.) (Ger)

[School and occupational history of 30 patients with Klinefelter's syndrome. Significance of early diagnosis] Schmid W, et al. **Schweiz Med Wochenschr** 1983 Dec 3; 113(48):1790–4 (Eng. Abstr.) (Ger)

[New approaches to training and active involvement of medical and teaching students in health education] Knabe H, et al. **Z Arztl Fortbild (Jena)** 1984;78(1):27–9 (Ger)

[Study of a sample of students 16 to 20 years of age] Ippolito F, et al. **G Ital Dermatol Venereol** 1984 May–Jun; 119(3):205–10 (Ita)

[Health care of students—evaluation of the relation between the health status and scholastic achievement using numerical quantification II] Monden S. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):683–90 (Eng. Abstr.) (Jpn)

[Epidemiology of infectious mononucleosis] Pol J. **Otolaryngol Pol** 1983;37(1):29–34 (Eng. Abstr.) (Pol)

[Schedules for students of correspondence courses during the examination period] Masterov SN. **Gig Sanit** 1983 Sep; (9):83–4 (Rus)

[Dynamics of the work capacity of students attending out–of–school institutions] Sergeta VN, et al. **Gig Sanit** 1983 Dec;(12):74–6 (Rus)

[Hygienic evaluation of the regimen for 4th–grade pupils] Sivkov IG, et al. **Gig Sanit** 1983 Aug;(8):78–9 (2 ref.) (Rus)

[Hygienic evaluation of the working conditions of students working with computers] Gel'tishcheva EA, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):43–4 (Rus)

PSYCHOLOGY

Search for the relationship between academic performance and some psychosocial factors. The use of a structured interview. Lecompte D, et al. **Acta Psychiatr Belg** 1983; 83(6):598–608

Dimensions of psychopathology among alcoholic patients, college students, prison inmates and general psychiatric patients. Chan DW. **Acta Psychiatr Scand** 1984 Jul; 70(1):50–61

A psychologist's view of knowledge testing and evaluation in the process of education and instruction. Slavíček P. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):127–9

Reasons for drinking: motivational patterns and alcohol use among college students. McCarty D, et al. **Addict Behav** 1984;9(2):185–8

Emotional abuse in the classroom. The pediatrician's role in diagnosis and treatment. Krugman RD, et al. **Am J Dis Child** 1984 Mar;138(3):284–6

An approach to supervision of students on fieldwork. Schwartz KB. **Am J Occup Ther** 1984 Jun;38(6):393–7

Sexual behavior of unmarried Colombian University students: a five–year follow–up. Alzate H. **Arch Sex Behav** 1984 Apr; 13(2):121–32

Changes in sex differences in sexual behavior: a replication of a study on West German students (1966–1981). Clement U, et al. **Arch Sex Behav** 1984 Apr;13(2):99–120

Health interests of schoolchildren, parents and teachers and their application to health education in primary schools. Ross MH, et al. **Cent Afr J Med** 1983 Sep;29(9):185–8

Behavioral competencies of older college students: a self–efficacy approach. Rebok GW, et al. **Gerontologist** 1983 Aug;23(4):428–32

Suicidal ideation in university students and other groups. Salmons PH, et al. **Int J Soc Psychiatry** 1984 Autumn; 30(3):201–5

Drugs—a study in post–primary schools situated outside Dublin 1981. Shelley EB, et al. **Ir Med J** 1984 Jan; 77(1):16–9

Depression and general psychopathology in university students. Gotlib IH. **J Abnorm Psychol** 1984 Feb; 93(1):19–30

Personality and attitudinal characteristics of sexually coercive college males. Rapaport K, et al. **J Abnorm Psychol** 1984 May;93(2):216–21

Relativity of chronological age and level of awareness in crystallization of choice of career among Nigerian undergraduates. Eyetsemitan F. **J Adolesc** 1984 Jun; 7(2):143–53

Perceived sources of stress and coping strategies in allied health students: a model. Francis KT, et al. **J Allied Health** 1983 Nov;12(4):262–72

Gender preference toward providers of genital examinations and frequency of genital self–examination among college students. Faigel HC. **J Am Coll Health** 1983 Jun; 31(6):240–2

Self–initiated smoking cessation in college students. Hellmann R, et al. **J Am Coll Health** 1983 Dec;32(3):95–100

Self–reported incidence of physical violence in college students. Miller KA, et al. **J Am Coll Health** 1983 Oct; 32(2):63–5

The college student psychiatric emergency: a descriptive study. Perlmutter RA, et al. **J Am Coll Health** 1984 Apr; 32(5):191–6

Irritable bowel syndrome in the college population: pathophysiology, differential diagnosis, and treatment. Rapp CE Jr. **J Am Coll Health** 1983 Jun;31(6):263–7

Initial communications with the parents of emotionally disturbed university students. Rockwell WJ. **J Am Coll Health** 1983 Dec;32(3):104–9

College students' attitudes toward shared responsibility in decisions about abortion: implications for counseling. Ryan IJ, et al. **J Am Coll Health** 1983 Jun;31(6):231–5

Sexual behavior and contraceptive practice at Oxford and Aberdeen Universities. Anderson P, et al. **J Biosoc Sci** 1984 Apr;16(2):287–90

Uncommon tiredness among college undergraduates. Montgomery GK. **J Consult Clin Psychol** 1983 Aug; 51(4):517–25

Binge eating, vomiting, and weight fear in a female high school population. Moss RA, et al. **J Fam Pract** 1984 Feb; 18(2):313–20

Recognizing potential suicide. Dickstein LJ. **J Ky Med Assoc** 1983 Sep;81(9):700–2

Perceived stress in medical, law, and graduate students. Heins M, et al. **J Med Educ** 1984 Mar;59(3):169–79

Peer preferences in a desegregated school: a round robin analysis. Whitley BE Jr, et al. **J Pers Soc Psychol** 1984 Apr;46(4):799–810

Effects of primary grades health curriculum project on student and parent smoking attitudes and behavior. Andrews RL, et al. **J Sch Health** 1984 Jan;54(1):18–20

A comfortability level scale for performance of cardiopulmonary resuscitation. Otten RD. **J Sch Health** 1984 Apr;54(4):154–6

Nutrition knowledge of teen–agers. Skinner JD, et al. **J Sch Health** 1984 Feb;54(2):71–4

Student knowledge and opinions on key environmental issues. Toohey JV. **J Sch Health** 1984 Apr;54(4):167–8

Predicting undergraduates' intentions to drink. Budd RJ, et al. **J Stud Alcohol** 1984 Mar;45(2):179–83

The structural context of college drinking. Harford TC, et al. **J Stud Alcohol** 1983 Jul;44(4):722–32

Race, sex, marihuana use and alcohol intoxication in college students. Humphrey JA, et al. **J Stud Alcohol** 1983 Jul; 44(4):733–8

Sex differences in motivations for and effects of drinking among college students. Ratliff KG, et al. **J Stud Alcohol** 1984 Jan;45(1):26–32

Resistance by college students to peer pressure to drink. Shore ER, et al. **J Stud Alcohol** 1983 Mar;44(2):352–61

Alcohol use patterns of graduate students in social work and in business. Waring ML, et al. **J Stud Alcohol** 1984 May; 45(3):268–71

Views and expectations of sixth formers in Sri Lanka about dentistry and dental education. Ekanayaka AN. **Med Educ** 1983 Sep;17(5):331–7

Expectation and attainment of nursing careers. Dunkelberger JE, et al. **Nurs Res** 1984 Jul–Aug;33(4):235–40

Smoking at school [letter] Bethwaite J, et al. **NZ Med J** 1983 Nov 9;96(743 Pt 2):945–6

Effectiveness of the clinical instructor. Students' perspective. Emery MJ. **Phys Ther** 1984 Jul;64(7):1079–83

An examination of college GPA, composite act scores, IQs, and gender in relation to loneliness of college students. Booth R. **Psychol Rep** 1983 Oct;53(2):347–52

College students drinking attitudes: 1970–1982. Hanson DJ, et al. **Psychol Rep** 1984 Feb;54(1):300–2

College shoplifters: rebuttal of Beck and McIntyre. Moore RH. **Psychol Rep** 1983 Dec;53(3 Pt 2):1111–6

Friends and lovers in the college years. **Publ Group Adv Psychiatry** 1983 May;11(115):1–120

Clinical instructors and training—the student viewpoint. Black P. **Radiography** 1984 Jul–Aug;50(592):159–60

Life event scaling: the Chinese experience. Chan DW, et al. **Soc Sci Med** 1984;18(5):441–6

Help–seeking behaviour of depressed students. O'Neil MK, et al. **Soc Sci Med** 1984;18(6):511–4

Saturday night live: chronicity of alcohol consumption among college students. Rabow J, et al. **Subst Alcohol Actions Misuse** 1984;5(1):1–7

[An analysis of student malaise by the Bios ULB (Free University of Brussels) study] Amiel R, et al. **Ann Med Psychol (Paris)** 1984 Mar;142(3):343–64 (Eng. Abstr.) (Fre)

[Reliability and validity of faculty evaluation] Benbassat J, et al. **Harefuah** 1983 May 1;104(9):413–6 (Eng. Abstr.) (Heb)

[Changes in the disposition to work during the 5–day school week] Goryński P, et al. **Rocz Panstw Zakl Hig** 1983; 34(2):209–12 (Eng. Abstr.) (Pol)

[Effect of ordinary school work and examinations on various indices of the cardiovascular and central nervous system in students] Sakharova IN, et al. **Gig Sanit** 1984 Apr; (4):85–6 (Rus)

[Psychoemotional stress of students during examinations] Andriiashik DIu, et al. **Gig Tr Prof Zabol** 1983 Nov; (11):38–40 (Rus)

[Preventive value of functional music for students in stress situations] Viazovets NV. **Gig Tr Prof Zabol** 1984 Feb; (2):37–41 (Eng. Abstr.) (Rus)

[Adaptation of first graders to the beginning of systematic education at school] Zhdanova LA. **Pediatriia** 1984 Jan; (1):47–51 (Eng. Abstr.) (Rus)

[Neurotic disorders in persons with mentally stressful jobs] Somundzhian AA. **Zh Nevropatol Psikhiatr** 1983; 83(12):1850–3 (Eng. Abstr.) (Rus)

[Activity of university students in the selection, adoption and implementation of moral ideals] Darák M. **Cas Lek Cesk** 1984 May 25;123(21):625–9 (Slo)

[Psychiatric morbidity of university students] Medvecký J, et al. **Cesk Psychiatr** 1984 Apr;80(2):81–5 (Slo)

STUDENTS, DENTAL

Reasons for choice of dentistry as a career in applicants to a British dental school. Whittaker DK. **Br Dent J** 1984 Jan 7;156(1):23–5

CDA committee report: applicants to Canadian dental schools 1982–1983. Who are they? What are they like? Canadian Dental Association. **Can Dent Assoc J** 1984 Jan; 50(1):57–62

Minority group dental students: a need for added support. Waldman HB. **J Am Coll Dent** 1983 Fall;50(3):18–22

Control of a rubella outbreak in a dental school population. Elvin-Lewis M, et al. **J Am Dent Assoc** 1984 May; 108(5):783–5

Differences among entering dental classes in attitudes toward health care issues. Bader JD. **J Dent Educ** 1984 Aug; 48(8):463–8

Changing responsibilities for dental students and laboratory technicians. Comer RW, et al. **J Dent Educ** 1984 May; 48(5):263–5

Dental students' payment for patient treatment. Gardiner JF, et al. **J Dent Educ** 1983 Dec;47(12):774–6

Criteria for selection of a practice location among senior dental students at the University of Mississippi. Hanes PJ, et al. **J Dent Educ** 1984 Feb;48(2):102–4

The use of affective assessment to plan and evaluate instructional changes. Holland JC, et al. **J Dent Educ** 1983 Dec;47(12):761–6

Facilitating patient and student satisfaction: the role of patient care coordinators. Hovland EJ, et al. **J Dent Educ** 1984 Feb;48(2):105–6

Student difficulties in achieving local anesthesia. Milgrom P, et al. **J Dent Educ** 1984 Mar;48(3):168–70

Psychomotor skills and technical ability in dental school. Raybould TP, et al. **J Dent Educ** 1983 Sep;47(9):594–8

Sealants: training and educational needs for dental students and dental auxiliary students. Ripa LW. **J Dent Educ** 1984 Feb;48(2 Suppl):60–5

A comprehensive stress-reduction program for dental students. Schwartz RM, et al. **J Dent Educ** 1984 Apr; 48(4):203–7

Career plans of dental school seniors at research schools. Solomon E. **J Dent Educ** 1984 Mar;48(3):177–8

Sources of financial aid for dental students. Solomon E. **J Dent Educ** 1984 Jun;48(6):323–4

Senior survey update: financial characteristics of dental school seniors, 1983. Solomon E. **J Dent Educ** 1983 Sep; 47(9):629–30

Dental seniors' report on counseling in dental schools, 1983. Solomon E. **J Dent Educ** 1983 Oct;47(10):685–6

First-year enrollment reductions: the applicant decline and revenue loss. Solomon E. **J Dent Educ** 1983 Dec; 47(12):783–4

Stress management training for dental students. Tisdelle DA, et al. **J Dent Educ** 1984 Apr;48(4):196–202

Prevaccination screening of medical and dental students. Should low levels of antibody to hepatitis B surface antigen preclude vaccination? Perrillo RP, et al. **JAMA** 1983 Nov 11;250(18):2481–4

Professional socialization in dentistry: a longitudinal analysis of changes in students' expected professional rewards. Eli I. **Soc Sci Med** 1984;18(4):297–302

[Hepatitis B in dentists. The initial results of a seroepidemiological study of students and technicians] Corrao G, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):767–76 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

The undergraduate teaching program—does it change personality? Boyd MA. **Can Dent Assoc J** 1983 Sep; 49(9):647–50

Perceptions of dental students' problems. Bjorksten OJ, et al. **J Am Coll Dent** 1983 Fall;50(3):11–5

Faculty response to personal problems of students: a survey of dental educators. Brown JC, et al. **J Am Coll Dent** 1983 Fall;50(3):23–8

Masculine and feminine personality attributes of dental students and their attitudes toward women's roles in society. Bebeau MJ, et al. **J Dent Educ** 1984 Jun; 48(6):309–14

Changes in dental students' personal needs and values. Cain MJ, et al. **J Dent Educ** 1983 Sep;47(9):604–8

Effect of extramural experiences on dental students' attitudes. Grantham EV, et al. **J Dent Educ** 1983 Oct;47(10):681–4

Dental hygiene students' future orientation and perceptions of old age and of older persons. Rakowski W, et al. **J Dent Educ** 1984 Jun;48(6):302–8

The Work Environment Scale: baseline data for dental schools. Lusk EJ, et al. **Psychol Rep** 1983 Dec;53(3 Pt 2):1160–2

STUDENTS, HEALTH OCCUPATIONS

An analysis of weekly instructional input hours and student work hours in occupational therapy fieldwork. Chung YI, et al. **Am J Occup Ther** 1983 Oct;37(10):681–7

Student perceptions of performance. McGovern MA, et al. **Br J Disord Commun** 1983 Dec;18(3):181–5

A student-centred approach to the evaluation of clinical skills. Stackhouse J, et al. **Br J Disord Commun** 1983 Dec; 18(3):171–9

Palmore's Facts on Aging Quiz: a reappraisal. Holtzman JM, et al. **Gerontologist** 1979 Feb;19(1):116–20

Enrollment and demographic characteristics of physician's assistant students. Carter R, et al. **J Med Educ** 1984 Apr; 59(4):316–22

[Impact, on human brucellosis, of the campaign against bovine brucellosis in France. The peculiar case of the students of the Alfort Veterinary School] Pilet C, et al. **Bull Acad Natl Med (Paris)** 1983 Jun;167(6):597–604 (Eng. Abstr.) **(Fre)**

[Use of psychostimulants and energizing drugs by university students] Gorenstein C, et al. **AMB** 1983 Mar–Apr; 29(3–4):45–6 (Eng. Abstr.) **(Por)**

[Stress resistance of students who do and do not engage in physical exercises] Volkind NIa. **Gig Sanit** 1984 May; (5):93–4 **(Rus)**

PSYCHOLOGY

An investigation of the cognitive styles of 76 associate degree medical laboratory technology students. Mays BB. **Am J Med Technol** 1983 Oct;49(10):719–22

Utilization of cognitive style mapping in conjunction with individualized instruction. Morris FJ. **Am J Med Technol** 1983 Oct;49(10):723–5

Reflexiveness: structural principle for a course on values. Kaylor CE Jr. **J Allied Health** 1984 Feb;13(1):31–7

Identification of medical student problems and comparison with those of other students. Bjorksten O, et al. **J Med Educ** 1983 Oct;58(10):759–67

Psychosocial development of the radiography student. Dowd SB. **Radiol Technol** 1984 Mar–Apr;55(4):101–4

STUDENTS, MEDICAL

Medical strikes in France. Drobinski G, et al. **Ann Intern Med** 1983 Dec;99(6):862–3

Characteristics of medical students who choose primary care as a career: the McMaster experience. Woodward CA, et al. **Can Med Assoc J** 1984 Jan 15;130(2):129–31

Medical student exchange visits, Ethiopia and Sweden: a summary report. Britton S. **Ethiop Med J** 1984 Jul; 22(3):147–9

A study of smoking habits of medical students of Uttar Pradesh. Sandell J, et al. **Indian J Public Health** 1983 Jul–Sep;27(3):96–101

Coronary risk factors in Jerusalem medical students. Slater PE, et al. **J Am Coll Health** 1984 Jun;32(6):266–9

New partners in student branch development. Picinich SM. **J Am Med Wom Assoc** 1984 May–Jun;39(3):72, 90

Technical design of class composites—an alternative approach. Lundeen D, et al. **J Biol Photogr** 1983 Oct; 51(4):105–6

Compensating a spouse in a divorce proceeding for providing support and funding during medical school: a review of recent judicial approaches. Monyak RP. **J Med Assoc Ga** 1983 Sep;72(9):647–9

Parental income of 1981 first-year medical school applicants and accepted students. Boerner RJ, et al. **J Med Educ** 1983 Oct;58(10):829–31

Factors affecting the choice of anesthesiology by medical students for specialty training. Chandra P, et al. **J Med Educ** 1984 Apr;59(4):323–30

Medical student counseling: the Rush Medical College Adviser Program. Eckenfels EJ, et al. **J Med Educ** 1984 Jul;59(7):573–81

Predicting medical specialty choice: a model based on students' records. Fadem BH, et al. **J Med Educ** 1984 May; 59(5):407–15

Program for increasing enrollment of early acceptees in medical school. Gary NE, et al. **J Med Educ** 1983 Dec; 58(12):929–33

The epidemiology of minor illnesses among medical students. Irigoyen MM, et al. **J Med Educ** 1983 Oct;58(10):768–71

The role of negative factors in changes in career selection by medical students. Katz LA, et al. **J Med Educ** 1984 Apr;59(4):285–90

Professionalization of the older medical student. Kay J, et al. **J Med Educ** 1984 Jul;59(7):559–66

Summer research program for medical students. Kemph JP, et al. **J Med Educ** 1984 Sep;59(9):708–13

A regular physical exercise program for medical students: learning about prevention through participation. Levy BS, et al. **J Med Educ** 1984 Jul;59(7):596–8

Performance-based evaluation of medical students' interviewing skills. Mumford E, et al. **J Med Educ** 1984 Feb;59(2):133–5

Analysis of practice interviews of medical students with elderly persons. Prendergast C, et al. **J Med Educ** 1984 Jul;59(7):600–2

Evaluation of library skills [letter] Sarkis J, et al. **J Med Educ** 1984 Jul;59(7):612–3

Relation of students' premedical majors to participation in research in medical school. Schaad DC, et al. **J Med Educ** 1984 Jan;59(1):54–7

Teaching interviewing skills to medical students: the issue of 'countertransference'. Smith RC. **J Med Educ** 1984 Jul; 59(7):582–8

Use of anonymous student evaluations of faculty members in U.S. medical schools. Smith SR, et al. **J Med Educ** 1984 Mar;59(3):196–7

Analysis of drug information requested by medical students and house staff members. Taylor AT. **J Med Educ** 1983 Oct;58(10):824–6

A model for peer tutoring in the medical school setting. Walker-Bartnick LA, et al. **J Med Educ** 1984 Apr; 59(4):309–15

Gender composition of medical schools and specialty choices of graduates. Weisman CS. **J Med Educ** 1984 Apr; 59(4):347–9

The first clinical year of medical school. Kranzler H, et al. **J Med Soc NJ** 1984 Feb;81(2):113–7

Precursors of hypertension in black medical students: the Meharry cohort study. Thomas J, et al. **J Natl Med Assoc** 1984 Feb;76(2):111–21

The relationship of lecture attendance and course grade for second-year medical students. Flournoy DJ, et al. **J Okla State Med Assoc** 1984 Jan;77(1):20–2

Comparison of a faculty-developed final examination with the National Board miniexamination in an obstetric-gynecologic clerkship. Miller JM Jr, et al. **J Reprod Med** 1984 Jan;29(1):65–6

Medical students' performance in reporting alcohol-related problems. Flaherty JA, et al. **J Stud Alcohol** 1983 Nov; 44(6):1083–7

Response to high blood pressure screening and referral by medical students in rural communities. Blankenship B, et al. **J Tenn Med Assoc** 1984 Feb;77(2):82–6

Prevaccination screening of medical and dental students. Should low levels of antibody to hepatitis B surface antigen preclude vaccination? Perrillo RP, et al. **JAMA** 1983 Nov 11;250(18):2481–4

Students' opinions on the 1980 GMENAC Report [letter] Pust RE, et al. **JAMA** 1984 May 11;251(18):2349

Prevalence of obesity amongst female medical students. Khan S. **JPMA** 1983 Nov;33(11):266–8

'Exercise medicine': the knowledge and beliefs of final-year medical students in the United Kingdom. Young A, et al. **Med Educ** 1983 Nov;17(6):369–73

Medical student interactions with cancer patients: evaluation with videotaped interviews. Terasaki MR, et al. **Med Pediatr Oncol** 1984;12(1):38–42

Tuberculosis infection in Mount Sinai medical students: 1974–1982. Weinstein RS, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):283–6

The MCAT malady. Anderson ND. **N Engl J Med** 1984 Feb 9;310(6):396–8

Drug use among medical students [letter] Epstein R, et al. **N Engl J Med** 1984 Oct 4;311(14):923

The medical college admission test and the selection of medical students. Erdmann JB. **N Engl J Med** 1984 Feb 9;310(6):386–9

The MCAT revisited. Powers RD. **N Engl J Med** 1984 Feb 9;310(6):398–401

Commercialism in medicine. Blum A. **NY State J Med** 1984 Jul;84(7):361, 364

An overview of New York State and the offshore medical schools. Imperato PJ. **NY State J Med** 1984 Jul; 84(7):337–44

The historical and theoretical basis for the New York State Board of Regents' policy concerning US foreign medical students. Jonas S. **NY State J Med** 1984 Jul;84(7):345–7

New York State's approach to clinical clerkships for students in unaccredited medical schools. Monahan TJ. **NY State J Med** 1984 Jul;84(7):348–51

Arming the future physician for the cost battle. Edwards KS. **Ohio State Med J** 1983 Dec;79(12):897–9

Cost effectiveness education—a student's viewpoint. Eng C. **Ohio State Med J** 1983 Dec;79(12):899, 920

The crime and punishment of cheating in medical school. Cockayne TW, et al. **Proc Annu Conf Res Med Educ** 1983; 22:166–71

An analysis of differences in performance on National Boards between traditional and non-traditional students. Eder S, et al. **Proc Annu Conf Res Med Educ** 1983;22:78–83

Preliminary evaluation of an experimental approach to selecting medical students with care. Feletti GI, et al. **Proc Annu Conf Res Med Educ** 1983;22:212–7

Evaluation of a comprehensive non-traditional assessment for final year medical students. Feletti GI, et al. **Proc Annu Conf Res Med Educ** 1983;22:32–7

The impact of examinations on medical student time utilization. Slotnick HB. **Proc Annu Conf Res Med Educ** 1983;22:25–31

Guidance given by the Student Advisory Service at the Medical University of Southern Africa. Theron JA. **S Afr Med J** 1983 Oct 22;64(18):716–7

Attitudes of medical students in Belgrade, Yugoslavia, toward preventive medicine and epidemiology. Radovanović Z, et al. **Soc Sci Med** 1983;17(23):1873–5

Relationship between type of surgical clerkship, order of completion, and achievement on patient management problems. Papp KK, et al. **Surgery** 1984 Jul;96(1):102–8

Validity of multiple-choice examinations in surgery. Stillman RM. **Surgery** 1984 Jul;96(1):97–101

Pitfalls in evaluating the surgical student. Stillman RM. **Surgery** 1984 Jul;96(1):92–6

Effect of examination stress on serum lipid profile. Bijlani RL, et al. **Trop Gastroenterol** 1983 Jul–Sep;4(3):168–70

Career preference enquiry among Queen's University medical undergraduates and graduates: Stage III. Egerton EA. **Ulster Med J** 1984;53(1):93–7

[Medical students and their fight for a Czech university and and medical school. II. Czech Medical Student Association and its role in the fight for a Czech medical school] Hromádková J. **Sb Lek** 1984 Apr;86(4):119–28 (Eng. Abstr.) **(Cze)**

[Medical students. Observations based on official statistics of 1981/1982] Favre P. **Rev Med Suisse Romande** 1983 Jul; 103(7):623–35 **(Fre)**

[New approaches to training and active involvement of medical and teaching students in health education] Knabe H, et al. **Z Arztl Fortbild (Jena)** 1984;78(1):27–9 **(Ger)**

[Hungarian medical students at the University of Wittenberg in the times of Luther and Melanchthon] Kapronczay K. **Orv Hetil** 1984 Apr 15;125(16):958–60 **(Hun)**

[Supervision of productivity practices of students] Fedoruk

SG, et al. **Sov Zdravookhr** 1983;(8):43–6 (Eng. Abstr.) **(Rus)**

[Medical students in the Tartu (Yuryev) Marxist circle] Viduta VK. **Sov Zdravookhr** 1983;(10):55–7 **(Rus)**

[Activities of students' scientific ophthalmological societies] Kartasheva EA. **Vestn Oftalmol** 1984 May-Jun;(3):65–7 (Eng. Abstr.) **(Rus)**

[The students attending the first medical course in 1833] Laval E. **Rev Med Chil** 1984 Jan;112(1):65–71 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Medical students' learning as primary therapists or as participant/observers in a psychiatric clerkship. Oldham JM, et al. **Am J Psychiatry** 1983 Dec;140(12):1615–8

Sexual life, problems, and attitudes of the prospective Greek physician. Manos N. **Arch Sex Behav** 1983 Oct;12(5):435–43

Psychiatric illness in medical students. Salmons PH. **Br J Psychiatry** 1983 Nov;143:505–8

The impact of funding reductions on the student mix. Zimmerman VH. **Bull NY Acad Med** 1983 Jul-Aug; 59(6):567–71

Coping with the stresses of medical education. Kutcher SP. **Can Med Assoc J** 1984 Feb 15;130(4):373–4, 381

Changes in undergraduate attitudes toward medical ethics. Tiberius RG, et al. **Can Med Assoc J** 1984 Mar 15; 130(6):724–7

Stress and adaptation in medical students: who is most vulnerable? Notman MT, et al. **Compr Psychiatry** 1984 May-Jun;25(3):355–66

Specialization in psychiatry: what determines the medical student's choice pro or con? Scher ME, et al. **Compr Psychiatry** 1983 Sep-Oct;24(5):459–68

Retrospective reports of mothers' work patterns and psychological distress in first-year medical students. Brodkin AM, et al. **J Am Acad Child Psychiatry** 1984 Jul; 23(4):479–85

Cigarette smoking among first-year medical students in Yugoslavia and their academic success. Radovanovic Z, et al. **J Am Coll Health** 1983 Jun;31(6):253–5

Attitudes of medical students [letter] Powell C. **J Am Geriatr Soc** 1983 Nov;31(11):713

Moving on. Kling MC. **J Am Med Wom Assoc** 1983 Nov-Dec;38(6):148

Student views vital in education planning. Bradley CW Jr. **J Am Podiatry Assoc** 1983 Nov;73(11):602–3

Teaching behaviors in the attending-resident interaction. Glenn JK, et al. **J Fam Pract** 1984 Feb;18(2):297–304

Responses to questions frequently asked by medical students about family practice. Scherger JE, et al. **J Fam Pract** 1983 Dec;17(6):1047–52

Attending to the emotional problems of future physicians. Fogel BJ, et al. **J Fla Med Assoc** 1983 Dec;70(12):1111

Psychoactive drug use by young and future physicians. McAuliffe WE, et al. **J Health Soc Behav** 1984 Mar; 25(1):34–54

Identification of medical student problems and comparison with those of other students. Bjorksten O, et al. **J Med Educ** 1983 Oct;58(10):759–67

Response of faculty members to medical students' personal problems. Brown JC, et al. **J Med Educ** 1984 Mar; 59(3):180–7

Measurement of psychosocial attitudes in medical students. Dornbush RL, et al. **J Med Educ** 1984 Jan;59(1):59–61

Learning human qualities [letter] Eisenberg M. **J Med Educ** 1984 Jun;59(6):536

Evaluation of a small-group support program for first-year medical students. Ficklin FL, et al. **J Med Educ** 1983 Oct; 58(10):817–9

Effect of attendance at lectures on medical student performance. Glanz K, et al. **J Med Educ** 1984 Jun; 59(6):516–8

Evaluating self-help support groups for medical students. Goetzel RZ, et al. **J Med Educ** 1984 Apr;59(4):331–40

Perceived stress in medical, law, and graduate students. Heins M, et al. **J Med Educ** 1984 Mar;59(3):169–79

Stress in junior medical students: relationship to personality and performance. Linn BS, et al. **J Med Educ** 1984 Jan; 59(1):7–12

A further assessment of medical school stress. Lloyd C, et al. **J Med Educ** 1983 Dec;58(12):964–7

Stress in medical education [letter] May J, et al. **J Med Educ** 1983 Dec;58(12):984

Factors influencing minority students' choice of medicine as a career. Moore-West M, et al. **J Med Educ** 1984 Jun; 59(6):523

Achievement motivation in medical students. Robbins L, et al. **J Med Educ** 1983 Nov;58(11):850–8

Medical student anxiety in a respiratory therapeutics elective. Shelly RW. **J Med Educ** 1984 Jun;59(6):523–4

Knowledge of medical students, residents, and attending physicians about opiate abuse. Shine D, et al. **J Med Educ** 1984 Jun;59(6):501–7

Curriculum evaluation, education financing, and career plans of 1983 medical school graduates. Thomae-Forgues M, et al. **J Med Educ** 1984 Sep;59(9):691–8

A data base for curriculum design in medical ethics. Tiberius RG, et al. **J Med Educ** 1984 Jun;59(6):512–3

Type A behavior and achievement of freshman medical students. Wolf TM, et al. **J Med Educ** 1983 Oct; 58(10):820–2

Am I my brother's keeper? Walker CL. **J Natl Med Assoc** 1983 Sep;75(9):867–8

Cynicism among medical students. Kopelman L. **JAMA** 1983 Oct 21;250(15):2006–10

Cynicism among medical students [letter] Oken D. **JAMA** 1984 Apr 13;251(14):1835

Medical student abuse. An unnecessary and preventable cause of stress. Rosenberg DA, et al. **JAMA** 1984 Feb 10; 251(6):739–42

Student perceptions of the learning environment in a new medical school. Clarke RM, et al. **Med Educ** 1984 Sep; 18(5):321–5

An investigation of the attitudes of medical students to physically disabled people. Mitchell KR, et al. **Med Educ** 1984 Jan;18(1):21–3

An initial explanatory model of a medical students' preferences for patient types. Najman JM, et al. **Med Educ** 1984 Jul;18(4):249–54

Development of self-assessment skills in medical students. Sclabassi SE, et al. **Med Educ** 1984 Jul;18(4):226–31

Problems of medical students in India. Singh JG, et al. **Med Educ** 1983 Nov;17(6):349–53

We physicians must care for our medical students. Scheiber SC. **Mich Med** 1983 May;82(24):280–1

University of Nebraska medical students' attitudes toward various health professions. Mathiasen RE. **Nebr Med J** 1984 Apr;69(4):96–9

Changing views of women in medicine. Ruhe P, et al. **Nebr Med J** 1983 Aug;68(8):250–3

Medical schools affect student practice plans. Cooper GS, et al. **Penn Med** 1983 Nov;86(11):51–2

Students' perception of stress in a baccalaureate-MD degree program. Arnold L, et al. **Percept Mot Skills** 1984 Apr; 58(2):651–62

Sex differences in cognitive strategic preference among medical students. Caplan B. **Percept Mot Skills** 1984 Feb; 58(1):279–85

IES arrow-dot performance of Nigerian professionals, medical students, and psychiatric in-patients. Omololu CB, et al. **Percept Mot Skills** 1984 Apr;58(2):566

The sense of transience as it contributes to medical student unease. Bogdonoff MD. **Pharos** 1983 Fall;46(4):11–4

Psychological perspectives on iatrogenic physician impairment. Reidbord SP. **Pharos** 1983 Summer;46(3):2–8

Prevalence of psychiatric risk factors among first year medical students. Clark DC. **Proc Annu Conf Res Med Educ** 1983;22:226–31

Reactions to human dissection: a report, and a proposal for curriculum modification. Penney JC. **Proc Annu Conf Res Med Educ** 1983;22:220–5

Assessing the relationship between measures of personality and measures of social networks in entering medical students. Salloway JC, et al. **Proc Annu Conf Res Med Educ** 1983;22:206–11

Medical students' attitudes to psychiatry at the end of the clinical curriculum. Wilkinson DG, et al. **Psychol Med** 1983 Aug;13(3):655–8

Dimensions of stress in junior medical students. Linn BS, et al. **Psychol Rep** 1984 Jun;54(3):964–6

Psychosocial correlates of death anxiety in a population of medical students. Vargo ME, et al. **Psychol Rep** 1984 Jun; 54(3):737–8

Sex-stereotyping and sex-congruency: components in the sex role definition of medical specialties in India. Bhargava G. **Soc Sci Med** 1983;17(15):1017–26

Three generations of family medicine: a comparison of social identities. Fox TG, et al. **Soc Sci Med** 1984;18(6):481–6

Attitudes of a group of Egyptian medical students towards family planning. el-Mehairy T. **Soc Sci Med** 1984; 19(2):131–4

[Attitudes of physicians and medical students towards cancer and cancer patients] Hoerni B, et al. **Bull Cancer (Paris)** 1983;70(5):394–400 (Eng. Abstr.) **(Fre)**

[Intelligence of medical students in our changing times] Speierer GW, et al. **Med Welt** 1983 Dec 2;34(48):1365–9 **(Ger)**

[How medical students view themselves and their fellow students. Causes of unsatisfactory relations and cooperation with medical colleagues] Speierer GW, et al. **MMW** 1984 Jan 6;126(1):4–6 (Eng. Abstr.) **(Ger)**

[Attitude and behavior of physicians and medical students toward contraception: results of a study carried out in Modena] Di Renzo GC, et al. **Ann Ostet Ginecol Med Perinat** 1984 Jan-Feb;105(1):37–63 (Eng. Abstr.) **(Ita)**

[Selected emotional attitudes of medical students to mentally ill patients] Wandzel L. **Psychiatr Pol** 1983 May-Jun; 17(3):255–61 (Eng. Abstr.) **(Pol)**

[Integration and development of thought processes in medical students] Bykova LA, et al. **Pediatriia** 1983 Jul;(7):42–5 (0 ref.) **(Rus)**

[Role of public organizations and student movements in shaping future specialists in the medical college] Voropaeva NM, et al. **Sov Zdravookhr** 1984;(7):51–5 **(Rus)**

[Social and ethical problems in medicine—differences in the priorities of students and teachers] Lang S, et al. **Lijec Vjesn** 1983 Jul-Aug;105(7–8):319–22 (Eng. Abstr.) **(Scr)**

SUPPLY & DISTRIBUTION

[Will there be too many physicians or do future physicians work too much? A critical consideration of the preliminary recommendation of the Vorst Commission] van den Muijsenbergh M, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6;127(32):1444–6 **(Dut)**

STUDENTS, NURSING

Due process for student grievances. Murphy JF, et al. **J Nurs Adm** 1978 Nov;8(11):39–43

An alternative management experience for RN-BSN students. Austin BJ. **J Nurs Educ** 1984 May;23(5):204–6

Use of extraneous conversation in the teaching of nursing skills. Benjamin G, et al. **J Nurs Educ** 1984 Mar; 23(3):109–13

Do baccalaureate students possess basic mathematics proficiency? Bindler R, et al. **J Nurs Educ** 1984 May; 23(5):192–7

Predictors of success in nursing school and on State Board Examinations in a predominantly black baccalaureate nursing program. Dell MA, et al. **J Nurs Educ** 1984 Apr; 23(4):147–50

Health hazard appraisal: personal and professional implications. Frachel RR. **J Nurs Educ** 1984 Jun; 23(6):265–7

Senior students' experience in primary nursing. Horacek LA. **J Nurs Educ** 1984 Mar;23(3):122–4

Due process in academic dismissals. Spink LM. **JNE** 1983 Sep;22(7):305–6

Disabled nurses [letter] Champagne M, et al. **Nurs Outlook** 1984 Jan-Feb;32(1):10

PSYCHOLOGY

Trials of an S.N. Huttman B. **Am J Nurs** 1983 Nov; 83(11):1634

An evaluation of nursing students' attitudes and interest in working with older people. Greenhill ED. **Gerontol Geriatr Educ** 1983 Fall;4(1):83–8

Psychographic analysis of nursing students: implications for the marketing and development of the nursing profession. Hafer JC, et al. **Health Care Manage Rev** 1983 Summer; 8(3):69–76

Effect of verbal mediators on cognitive learning, transfer of learning, and affective behaviors of student nurses as they apply to the care of patients with myocardial infarction. Huckabay LM, et al. **Heart Lung** 1984 May;13(3):280–6

Reading nursing: the burden of being different. Luker KA. **Int J Nurs Stud** 1984;21(1):1–7

A competency based learning model for critical care nursing. Scott B. **Int J Nurs Stud** 1984;21(1):9–17

Student status in nursing—a discussion on the status of the student and how it affects training. Beckett C. **J Adv Nurs** 1984 Jul;9(4):363–74

Moral reasoning and the student nurse. Clay M, et al. **J Adv Nurs** 1983 Jul;8(4):297–302

A longitudinal study of changing attitudes to work among nursing trainees in two British general hospitals. Heyman R, et al. **J Adv Nurs** 1984 May;9(3):297–305

Learning styles of nursing students and career choices. Laschinger HK, et al. **J Adv Nurs** 1984 Jul;9(4):375–80

Learning to nurse the elderly: outcome measures. Ross MM. **J Adv Nurs** 1983 Sep;8(5):373–8

Aspects of the nurse tutor—student nurse relationship. Stephenson PM. **J Adv Nurs** 1984 May;9(3):283–90

Students at St. Joseph's College: why they are survivors. Jordheim AE. **J Am Coll Health** 1983 Jun;31(6):268–9

Preparing students for peer collaboration: a clinical teaching model. Gerace L, et al. **J Nurs Educ** 1984 May;23(5):206–9

Graduate nursing students and stress. Mancini J, et al. **J Nurs Educ** 1983 Oct;22(8):329–34

The effects of an undergraduate clinical internship on the self-concept and professional role mastery of baccalaureate nursing students. Olson RK, et al. **J Nurs Educ** 1984 Mar; 23(3):105–8

Increasing self-esteem through self-evaluation. Woolf PJ. **J Nurs Educ** 1984 Feb;23(2):78–81

Age stereotypes held by student nurses. Goebel BL. **J Psychol** 1984 Mar;116(2d Half):249–54

STUDENTS, PREMEDICAL

PSYCHOLOGY

A survey on the 'premedical syndrome'. Sade RM, et al. **J Med Educ** 1984 May;59(5):386–91

Type A behavior pattern in a premed student population. O'Reilly RP. **Proc Annu Conf Res Med Educ** 1983;22:200–5

STURGE-WEBER SYNDROME see under **ANGIOMATOSIS**

STUTTERING

Comments on 'Stuttering: a review of research findings and theories circa 1982' by Andrews et al. **J Speech Hear Disord** 1983 Aug;48(3):246–63

Stuttering: a review of research findings and theories circa 1982. Andrews G, et al. **J Speech Hear Disord** 1983 Aug; 48(3):226–46 (300 ref.)

Some comments on aspects of the methodology for the measurement of stuttering. Caplan L. **S Afr J Commun Disord** 1983;30:30–3

DIAGNOSIS

Fundamental frequency contours of stutterers' vowels following fluent stop consonant productions. Healey EC. **Folia Phoniatr (Basel)** 1984;36(3):145–51

Initiation versus execution time during manual and oral counting by stutterers. Borden GJ. **J Speech Hear Res** 1983 Sep;26(3):389–96

Analysis of stutterers' voice onset times and fundamental frequency contours during fluency. Healey EC, et al. **J Speech Hear Res** 1984 Jun;27(2):219–25

Effects of segment and pause manipulations on the identification of treated stutterers. Prosek RA, et al. **J Speech Hear Res** 1983 Dec;26(4):510–6

Direct magnitude estimation and interval scaling of stuttering severity. Schiavetti N, et al. **J Speech Hear Res** 1983 Dec; 26(4):568–73

Vocal and finger reaction times in stutterers and nonstutterers: differences and correlations. Starkweather CW, et al. **J Speech Hear Res** 1984 Jun;27(2):193–6

Disfluencies at the onset of stuttering. Yairi E, et al. **J Speech Hear Res** 1984 Mar;27(1):154–9

[The range of fundamental tone frequency in the speech of stutterers and clutterers] Langová J, et al. **Cesk Otolaryngol** 1983 Jul;32(5):265–70 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Language and the young stutterer: a new look at old theories and findings. Homzie MJ, et al. **Brain Lang** 1984 Jul; 22(2):232–52

The onset of stuttering in two- and three-year-old children: a preliminary report. Yairi E. **J Speech Hear Disord** 1983 May;48(2):171–7

FAMILIAL & GENETIC

Recovery and persistence of stuttering among relatives of stutterers. Seider RA, et al. **J Speech Hear Disord** 1983 Nov;48(4):402–9

METABOLISM

[Metabolic changes and biochemical findings in speech neuroses] Raisová V. **Sb Lek** 1983 Oct;85(9–10):246–50 (Eng. Abstr.) **(Cze)**

OCCURRENCE

The disappearing stammer? [letter] Rustin L, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):235

PHYSIOPATHOLOGY

Stuttering and speech naturalness. Martin RR, et al. **J Speech Hear Disord** 1984 Feb;49(1):53–8

Prephonatory chest wall posturing in stutterers. Baken RJ, et al. **J Speech Hear Res** 1983 Sep;26(3):444–50

Relation between finger reaction time and voice reaction time in stuttering and nonstuttering children and adults. Cross DE, et al. **J Speech Hear Res** 1983 Sep;26(3):356–61

Assessment of oral-motor reflexes in stutterers and normal speakers: preliminary observations. Smith A, et al. **J Speech Hear Res** 1983 Sep;26(3):322–8

[Study of motor feedback in clinically cured stutterers] Laštovka M. **Cesk Otolaryngol** 1983 Jul;32(5):271–6 (Eng. Abstr.) **(Cze)**

[Hemispheric dominance and handedness in stammering children with normal and abnormal auditory perception] von Deuster C. **Folia Phoniatr (Basel)** 1983;35(6):265–72 (Eng. Abstr.) **(Ger)**

[Electrophysiologic studies of patients with logoneuroses] Lagutina TS, et al. **Zh Nevropatol Psikhiatr** 1983; 83(12):1845–50 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Sudden onset of stuttering: a case report. Deal JL. **J Speech Hear Disord** 1982 Aug;47(3):301–4

Behavioral and nonbehavioral variables in the measurement of stutterers' communication attitudes. Ulliana L, et al. **J Speech Hear Disord** 1984 Feb;49(1):83–93

Expectancy and heart rate as predictors of the speech performance of stutterers. Baumgartner JM, et al. **J Speech Hear Res** 1983 Sep;26(3):383–8

[Symptomatology and pathogenesis of speech neuroses] Raisová V. **Cas Lek Cesk** 1983 Oct 7;122(40):1234–8 (Eng. Abstr.) **(Cze)**

[Attention parameters of stutterers] Kaliagin VA. **Zh Nevropatol Psikhiatr** 1983;83(12):1843–5 (Eng. Abstr.) **(Rus)**

REHABILITATION

How parents and professionals can help the stuttering child. Shine RE. **NC Med J** 1983 Dec;44(12):795–9

[Various characteristics of the regulation of the tonus and movements of speech, respiratory and skeletal muscles in children with neurogenic stammering and their correction by exercise therapy] Gusarova AE. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):65–6 **(Rus)**

THERAPY

The treatment of stammering: a multi-modal approach in an in-patient setting. Rustin L, et al. **Br J Disord Commun** 1983 Sep;18(2):90–7

Use of methods of destabilization of a stable pathological state in the investigation and treatment of stuttering. Andronova LZ, et al. **Hum Physiol** 1983 Sep–Oct; 9(5):377–81

On token reinforcement and stuttering therapy: another view on findings reported by Howie and Woods (1982). Ingham RJ. **J Appl Behav Anal** 1983 Winter;16(4):465–75

Stutterers' practices: folk remedies and therapeutic intervention. Rochford EB Jr. **J Commun Disord** 1983 Sep; 16(5):373–84

Rational-emotive therapy versus systematic desensitization: a comment on Moleski and Tosi. Atkinson L. **J Consult Clin Psychol** 1983 Oct;51(5):776–8

Prognostic validity of the Rorschach. Sheehan JG, et al. **J Pers Assess** 1983 Oct;47(5):462–5

Stuttering: the results of 5 days treatment with an airflow technique. Andrews G, et al. **J Speech Hear Disord** 1982 Nov;47(4):427–9

Relationship between covert and overt speech measures immediately before and immediately after stuttering treatment. Howie PM, et al. **J Speech Hear Disord** 1982 Nov;47(4):419–22

The effects of self-evaluation training on maintenance and generalization during stuttering treatment. Ingham RJ. **J Speech Hear Disord** 1982 Aug;47(3):271–80

Evaluation of regulated-breathing method and awareness training in the treatment of stuttering. Ladouceur R, et al. **J Speech Hear Disord** 1982 Nov;47(4):422–6

Contingent self-stimulation for stuttering. Martin RR, et al. **J Speech Hear Disord** 1982 Nov;47(4):407–13

The effect of manipulating phonation duration on stuttering. Ingham RJ, et al. **J Speech Hear Res** 1983 Dec;26(4):579–87

Acoustic analysis of stutterers' fluent speech before and after therapy. Metz DE, et al. **J Speech Hear Res** 1983 Dec; 26(4):531–6

[Therapeutic physical exercise in the combined therapy of neurosis-like stammering in preschool children in specialized kindergartens] Gusarova AE. **Pediatriia** 1984 Feb;(2):71–4 **(Rus)**

STYRENES

see related
POLYSTYRENES

Production and uses of styrene containing polymers. Kalliokoski P. **Prog Clin Biol Res** 1984;141:193–202

Thermodegradation of styrene-containing polymers. Pfäffli P. **Prog Clin Biol Res** 1984;141:203–13

ADVERSE EFFECTS

Exposure-effect and exposure-response relationships between occupational exposure to styrene and neuropsychological functions. Mutti A, et al. **Am J Ind Med** 1984;5(4):275–86

Raised serum bile acid concentrations after occupational exposure to styrene: a possible sign of hepatotoxicity? Edling C, et al. **Br J Ind Med** 1984 May;41(2):257–9

Contact allergy to styrene and related chemicals. Sjöborg S, et al. **Contact Dermatitis** 1984 Feb;10(2):94–6

Chromosomal aberrations in lymphocytes of workers exposed to low levels of styrene. Nordenson I, et al. **Hum Hered** 1984;34(3):178–82

Severe postural hypotension following home canoe construction from polyester resins. MacFarlane IA, et al. **Postgrad Med J** 1984 Jul;60(705):497–8

Styrene exposure and the liver. Härkönen H, et al. **Scand J Work Environ Health** 1984 Feb;10(1):59–61

[The effect of solvents on the respiratory tract - review of the literature with special reference to aliphatic halogenated hydrocarbons and toluene, styrene and alcohol] Maintz G, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):706–10 (32 ref.) (Eng. Abstr.) **(Ger)**

[Urinary secretion of D-glucaric acid in subjects exposed to styrene] Loi AM, et al. **Med Lav** 1984 Mar–Apr; 75(2):110–4 (Eng. Abstr.) **(Ita)**

ANALYSIS

Occupational styrene exposure: environmental and biological monitoring. Apostoli P, et al. **Am J Ind Med** 1983; 4(6):741–54

Update: styrene, dioxin, and 1,3-butadiene in the workplace. **MMWR** 1984 Apr 6;33(13):179–80

ISOLATION & PURIFICATION

Determination of styrene migration from food-contact polymers into margarine, using azeotropic distillation and headspace gas chromatography. Varner SL, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1067–73

METABOLISM

Styrene metabolism in man: gas chromatographic separation of mandelic acid enantiomers in the urine of exposed persons. Korn M, et al. **Arch Toxicol** 1984 Mar;55(1):59–63

Metabolism of vinyltoluene in the rat: effect of induction and inhibition of the cytochrome. Heinonen TH. **Biochem Pharmacol** 1984 May 15;33(10):1585–93

DNA binding of [14C]styrene in isolated rat hepatocytes. Legraverend C, et al. **Chem Biol Interact** 1984 Sep 1; 51(1):91–102

A physiologically-based description of the inhalation pharmacokinetics of styrene in rats and humans. Andersen ME, et al. **Dev Toxicol Environ Sci** 1983;11:415–8

Mandelic acid and phenylglyoxylic acid excretion in workers exposed to styrene under model conditions. Franchini I, et al. **Dev Toxicol Environ Sci** 1983;11:567–70

Human styrene exposure. V. Development of a model for biological monitoring. Droz PO, et al. **Int Arch Occup Environ Health** 1983;53(1):19–36

Urinary excretion of mercapturates as a biological indicator of exposure to electrophilic agents. Maloňová H, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):319–28

Tissue distribution of styrene, styrene glycol and more polar styrene metabolites in the mouse. Löf A, et al. **Scand J Work Environ Health** 1933 Oct;9(5):419–30

Occurrence of styrene-7,8-oxide and styrene glycol in mouse after the administration of styrene. Löf A, et al. **Scand J Work Environ Health** 1984 Jun;10(3):179–87

Exposure to styrene. Uptake, distribution, metabolism and elimination in man. Wigaeus E, et al. **Scand J Work Environ Health** 1983 Dec;9(6):479–88

Inhalation pharmacokinetics: evaluating systemic extraction, total in vivo metabolism, and the time course of enzyme induction for inhaled styrene in rats based on arterial blood:inhaled air concentration ratios. Andersen ME, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):176–87

A physiologically based description of the inhalation pharmacokinetics of styrene in rats and humans. Ramsey JC, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):159–75

Styrene oxidation to styrene oxide coupled with arachidonic acid oxidation by soybean lipoxygenase. Belvedere G, et al. **Toxicol Lett** 1983 Aug;18(1–2):39–44

Mercapturic acid metabolites from 2-, 3-, and 4-ethenyl-methylbenzenes in the rat. Kühler T. **Xenobiotica** 1984 May;14(5):417–28

[The kinetics of the week-end excretion of mandelic acid in female workers exposed to styrene] Gobbato F, et al. **Med Lav** 1983 May–Jun;74(3):173–81 (Eng. Abstr.) **(Ita)**

[Bacteria decomposing alpha-methylstyrol] Iliaietdinov AN, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):609–14 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Increased cytochrome P-450 independent drug metabolism and mutagen activation in rat liver by octachlorostyrene. Holme JA, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):325–32

Single-strand breaks in DNA of various organs of mice induced by styrene and styrene oxide. Solveig Walles SA, et al. **Cancer Lett** 1983 Nov;21(1):9–15

POISONING

Biological monitoring and health surveillance of workers exposed to styrene. Järvisalo J, et al. **Prog Clin Biol Res** 1984;141:287–96

Prevention of styrene hazards--hygienic approaches. Kalliokoski P, et al. **Prog Clin Biol Res** 1984;141:279–86

Occupational hazards in production and processing of styrene polymers—epidemiologic findings. Nicholson WJ, et al. **Prog Clin Biol Res** 1984;141:263–77

[Possibility of studying morphofunctional characteristics of interglandular relations within the neuroendocrine system based on multifactorial analysis by the spline method] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1984;46(5):80–3 (Eng. Abstr.) **(Rus)**

[Concentration of mandelic acid in the urine of workers in contact with styrene] Veimer SA, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):49–50 **(Rus)**

[Decrease in corneal sensitivity induced by styrene and tetrachloroethylene vapors] Alieva ZA, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):37–40 (Eng. Abstr.) **(Rus)**

TOXICITY

Styrene: an occupational hazard. Brown WD. **Ariz Med** 1984 Jul;41(7):474–8

Low human exposure to styrene in relation to chromosome breaks, gaps and sister chromatid exchanges. Hansteen IL, et al. **Hereditas** 1984;100(1):87–91

Micronuclei in lymphocytes with preserved cytoplasm. A method for assessment of cytogenetic damage in man. Högstedt B. **Mutat Res** 1984 Feb;130(1):63–72

Styrene, styrene oxide, polystyrene, and beta-nitrostyrene/styrene carcinogenicity in rodents. Huff JE. **Prog Clin Biol Res** 1984;141:227–38

Metabolism and mutagenicity of styrene and styrene oxide. Vainio H, et al. **Prog Clin Biol Res** 1984;141:215–25

Genetic toxicity of styrene and some of its derivatives. Norppa H, et al. **Scand J Work Environ Health** 1983 Apr; 9(2 Spec No):108–14

Influence of simultaneous exposure to acrylonitrile and styrene on the toxicity and metabolism of styrene in rats. Normandeau J, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):346–9

The nephrotoxic potential of styrene in Sprague-Dawley rats. Chakrabarti S, et al. **Toxicol Lett** 1983 Sep;18(3):315–21

[Basis for the character of the combined action of phenol and styrene in atmospheric air] Kiseleva TI. **Gig Sanit** 1984 Mar;(3):10–2 (Eng. Abstr.) **(Rus)**

URINE

Determination of styrene in the urine of workers manufacturing polystyrene plastics. Dolara P, et al. **Ann Occup Hyg** 1984;28(2):195-9

SUBACUTE SCLEROSING PANENCEPH VIRUS see SSPE VIRUS

SUBACUTE SCLEROSING PANENCEPHALITIS

Sub-acute sclerosing panencephalitis (a report of 43 cases). Mondkar VP, et al. **J Postgrad Med** 1983 Oct;29(4):236-41

CEREBROSPINAL FLUID

The cerebrospinal fluid in subacute sclerosing panencephalitis and multiple sclerosis. Walker RW, et al. **Prog Brain Res** 1983;59:375-90

COMPLICATIONS

[Necrotizing retinitis in subacute sclerosing panencephalitis] Koniszewski G, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):99-103 (Eng. Abstr.). (Ger)

DIAGNOSIS

Subacute sclerosing panencephalitis: EEG findings in 12 cases observed in the years 1975-1982. Striano S, et al. **Acta Neurol (Napoli)** 1984 Feb;6(1):16-24

Subacute sclerosing panencephalitis: fundus changes and histopathologic correlations. De Laey JJ, et al. **Doc Ophthalmol** 1983 Dec 15;56(1-2):11-21

[Different clinical and electroencephalographic aspects of subacute sclerosing panencephalitis (SSPE). Apropos of 51 cases] Bonifas-Galup P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Dec; 13(3):224-31 (Eng. Abstr.) (Fre)

[Subacute sclerosing panencephalitis - clinical observations] Filipowicz A, et al. **Pediatr Pol** 1983 May;58(5):471-5 (Pol)

[Diagnosis of subacute sclerosing panencephalitis (SSPE) and Reye's syndrome] Duca M. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):365-70 (Rum)

[Subacute sclerosing panencephalitis (SSPE). Considerations on 9 cases] Popovici F, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):43-6 (Eng. Abstr.) (Rum)

[Subacute sclerosing panencephalitis (considerations on 5 cases)] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Apr-Jun; 32(2):135-42 (Eng. Abstr.) (Rum)

[Agarose-gel electrophoresis of cerebrospinal fluid in the diagnosis of subacute sclerosing panencephalitis] Vranjelević D, et al. **Neurologija** 1984;32(1-2):53-60 (Eng. Abstr.) (Ser)

DRUG THERAPY

Treatment of subacute sclerosing panencephalitis: an overview. Taylor WJ, et al. **Drug Intell Clin Pharm** 1984 May;18(5):375-81 (67 ref.)

ETIOLOGY

Measles and the central nervous system. Kipps A, et al. **Lancet** 1983 Dec 17;2(8364):1406-10

Studies on the pathogenesis of subacute sclerosing panencephalitis. Brzosko WJ, et al. **Neuropatol Pol** 1984; 22(1):23-38

Subacute sclerosing panencephalitis in one member of identical twins. Dhib-Jalbut S, et al. **Neuropediatrics** 1984 Feb;15(1):49-51

[Epidemiological, neuropathological, clinico-evolutive and EEG aspects of immunologically confirmed measles of subacute sclerosing panencephalitis] Milea S, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Jan-Mar; 29(1):45-59 (31 ref.) (Rum)

FAMILIAL & GENETIC

[Familial occurrence of subacute sclerosing panencephalitis (SSPE) in children] Michalowicz R, et al. **Neurol Neurochir Pol** 1983 Nov-Dec;17(6):651-4 (Eng. Abstr.) (Pol)

IMMUNOLOGY

Subacute sclerosing panencephalitis in only one of identical twins. Case report with study of cell-mediated immunity. Cianchetti C, et al. **Eur Neurol** 1983;22(6):428-32

Immune complexes in subacute sclerosing panencephalitis. Abdelnoor AM, et al. **Prog Brain Res** 1983;59:145-8

Immunological abnormalities and immunotherapeutic attempts in subacute sclerosing panencephalitis. Behan PO, et al. **Prog Brain Res** 1983;59:149-62

Subacute sclerosing panencephalitis: are antigenic changes involved in measles virus persistence? Carter MJ, et al. **Prog Brain Res** 1983;59:163-71

[Virus infection in the central nervous system: immunological abnormalities in SSPE] Sato T, et al. **No To Shinkei** 1983 May;35(5):443-9 (30 ref.) (Jpn)

[State of the cellular component of immunity in subacute sclerosing panencephalitis in children] Mitrokhina LA, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1478-80 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Measles virus persistency and disease. ter Meulen V, et al. **Prog Med Virol** 1984;30:44-61 (104 ref.)

[Subacute sclerosing panencephalitis] Andzhaparidze OG, et al. **Vopr Virusol** 1983 Nov-Dec;28(6):644-7 (33 ref.) (Rus)

OCCURRENCE

Subacute sclerosing panencephalitis (SSPE): a report of 16 cases. Robbins SJ, et al. **Aust NZ J Med** 1984 Apr; 14(2):126-30

An epidemiological study of subacute sclerosing panencephalitis in Kenya. Tukei PM, et al. **East Afr Med J** 1983 Jan;60(1):34-8

Measles, measles vaccination, and risk of subacute sclerosing panencephalitis (SSPE). Zilber N, et al. **Neurology (NY)** 1983 Dec;33(12):1558-64

Risk factors in subacute sclerosing panencephalitis: age- and sex-dependent host reactions or intensive exposure? Aaby P, et al. **Rev Infect Dis** 1984 Mar-Apr;6(2):239-50 (115 ref.)

Epidemiology of subacute sclerosing panencephalitis (SSPE) in Romania between 1976-1982. Cernescu C, et al. **Virologie** 1983 Oct-Dec;34(4):239-50

PATHOLOGY

Mitochondrial abnormalities in cortical dendrites from patients with early forms of subacute sclerosing panencephalitis (SSPE). Paula-Barbosa MM, et al. **Acta Neuropathol (Berl)** 1984;63(2):117-22

Rapidly progressive subacute sclerosing panencephalitis: an ultrastructural and immunoperoxidase study. Dhib-Jalbut S, et al. **Eur Neurol** 1984;23(3):211-20

Long survival in subacute sclerosing panencephalitis. Cobb WA, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb; 47(2):176-83

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 28-1974. Dementia rapidly progressing to coma in a 13-year-old girl. **N Engl J Med** 1974 Jul 18;291(3):141-9

[Subacute sclerosing panencephalitis in adults. Anatomo-clinical illustration in 1 case] Maleci O, et al. **Riv Patol Nerv Ment** 1983 May-Jun;103(3):105-13 (Eng. Abstr.) (Ita)

[Diagnostic value of electron-microscopic examination of brain biopsy material in children] Majdecki T. **Pediatr Pol** 1983 Jul;58(7):605-11 (Eng. Abstr.) (Pol)

[Clinical and virological aspects of subacute sclerosing panencephalitis] Libiková H, et al. **Bratisl Lek Listy** 1983 Jul;80(1):3-18 (Eng. Abstr.) (Slo)

PHYSIOPATHOLOGY

Electrophysiological (BAEPs) changes in subacute sclerosing panencephalitis. Rizzo PA, et al. **Acta Neurol Belg** 1984 Mar-Apr;84(2):64-8

[Auditory evoked responses of the brain stem in degenerative disease of the brain in children] Miyao M, et al. **No To Hattatsu** 1983 Sep;15(5):402-9 (Eng. Abstr.) (Jpn)

PREVENTION & CONTROL

Measles immunization [letter] Fox DG, et al. **Med J Aust** 1984 Jan 21;140(2):118

RADIOGRAPHY

Computed tomography of the brain in subacute sclerosing panencephalitis. Krawiecki NS, et al. **Ann Neurol** 1984 May;15(5):489-93

THERAPY

Plasmapheresis does not affect subacute sclerosing panencephalitis [letter] Rotteveel JJ, et al. **Ann Neurol** 1983 Oct;14(4):491

Subacute sclerosing panencephalitis. Lowenthal A. **Bull Soc Belge Ophtalmol** 1983 Nov;208:501-2

[Plasmapheresis treatment in 2 children with SSPE (subacute sclerosing panencephalitis). Various considerations on symptomatology, pathophysiology and therapy] Rotteveel JJ, et al. **Tijdschr Kindergeneeskd** 1984 Apr;52(2):59-63 (Eng. Abstr.) (Dut)

SUBARACHNOID HEMORRHAGE

Subarachnoid hemorrhage: review of 223 cases from a municipal teaching hospital. Clark RM, et al. **J SC Med Assoc** 1983 Nov;79(11):619-22

[Late prognosis and recurrence of spontaneous subarachnoid hemorrhage--a follow-up study of 123 cases] Xie XK. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr; 16(2):121-3 (Chi)

BLOOD

Arterial eicosanoid production following chronic exposure to a periarterial haematoma. Pickard JD, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):661-7

Quantitative determination of plasma fibrinolytic activity in patients with ruptured intracranial aneurysms who are receiving epsilon-aminocaproic acid: relationship of possible complications of therapy to the degree of fibrinolytic inhibition. Burchiel KJ, et al. **Neurosurgery** 1984 Jan;14(1):57-63

ADP-induced platelet release reaction in acute stroke. Mulley GP, et al. **Thromb Haemost** 1983 Aug 30; 50(2):524-6

[Measurement of plasma antidiuretic hormone and its significance in subarachnoid hemorrhage] Miyasaka Y, et al. **Neurol Med Chir (Tokyo)** 1984 Mar;24(3):187-93 (Eng. Abstr.) (Jpn)

[A study on changes of plasma catecholamines concentrations and clinical prognosis in patients with ruptured intracranial aneurysms] Ikeda Y, et al. **No Shinkei Geka** 1984 Apr; 12(5):571-8 (Eng. Abstr.) (Jpn)

[Lipids metabolism of the patients with subarachnoid hemorrhage due to ruptured intracranial aneurysm, in comparison with other cerebrovascular diseases] Nonaka N, et al. **No To Shinkei** 1984 Apr;36(4):389-95 (Eng. Abstr.) (Jpn)

[Composition of the peripheral blood of patients with traumatic subarachnoid hemorrhages] Starykh VS, et al. **Klin Med (Mosk)** 1983 Sep;61(9):69-72 (12 ref.) (Eng. Abstr.) (Rus)

CEREBROSPINAL FLUID

Identification of 5-hydroxy eicosatetraenoic acid in cerebrospinal fluid after subarachnoid hemorrhage. Suzuki N, et al. **J Neurochem** 1983 Oct;41(4):1186-9

CSF smooth-muscle constrictor activity associated with cerebral vasospasm and mortality in SAH patients. Kaye AH, et al. **J Neurosurg** 1984 May;60(5):927-34

Nature of the vasoactive substance in CSF from patients with subarachnoid hemorrhage. Sasaki T, et al. **J Neurosurg** 1984 Jun;60(6):1186-91

Appearance of 5-hydroxy eicosatetraenoic acid in cerebrospinal fluid after subarachnoid haemorrhage. Nakamura T, et al. **Med Biol** 1984;62(2):125-8

CHEMICALLY INDUCED

Subarachnoid hemorrhage precipitated by cocaine snorting [letter] Schwartz KA, et al. **Arch Neurol** 1984 Jul;41(7):705

Subarachnoid haemorrhage and nasal vasoconstrictor abuse [letter] García-Albea E. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):875-6

Excessive phenylpropanolamine ingestion followed by subarachnoid hemorrhage [letter] Mesnard B, et al. **South Med J** 1984 Jul;77(7):939

COMPLICATIONS

Balloon catheter technique for dilatation of constricted cerebral arteries after aneurysmal SAH. Zubkov YN, et al. **Acta Neurochir (Wien)** 1984;70(1-2):65-79

Acute obstructive hydrocephalus after subarachnoid haemorrhage. Kohi YM, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1342

Early posthaemorrhagic hydrocephalus [editorial] Pickard JD. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):569-70

Akinetic mutism caused by subarachnoid haemorrhage. A case report. Ogunyemi AO. **Cent Afr J Med** 1984 Feb; 30(2):273-4, 277

Q-T prolongation and torsades de pointes in a patient with subarachnoid hemorrhage. Hust MH, et al. **Clin Cardiol** 1984 Jan;7(1):44-8

Vitrectomy in two cases of bilateral Terson syndrome. van Rens GH, et al. **Doc Ophthalmol** 1983 Dec 15;56(1-2):155-9

Subarachnoid haemorrhage--another smoking related disease. Taha A, et al. **East Afr Med J** 1983 Feb;60(2):85-8

Stress ulcer accompanying subarachnoid hemorrhage--a new rat model. Tsuchiya J, et al. **Jpn J Surg** 1983 Jul; 13(4):373-80

Cerebral vasospasm after subarachnoid hemorrhage. Chyatte D, et al. **Mayo Clin Proc** 1984 Jul;59(7):498-505 (95 ref.)

Subarachnoid and intracerebral hemorrhage: natural history, prognosis, and precursive factors in the Framingham Study. Sacco RL, et al. **Neurology (NY)** 1984 Jul;34(7):847-54

Involvement of vasopressin in brain edema formation: further evidence obtained from the Brattleboro diabetes insipidus rat with experimental subarachnoid hemorrhage. Dóczi T, et al. **Neurosurgery** 1984 Apr;14(4):436-41

Effect of reserpine-kanamycin treatment on chronic vasospasm after platelet-enriched subarachnoid hemorrhage in primates. Noseworthy TW, et al. **Neurosurgery** 1984 Feb;14(2):193-7

Intracranial aneurysm with subarachnoid haemorrhage. Surgical results and long-term outcome in 100 cases. Kieck CF. **S Afr Med J** 1984 May 5;65(18):722-4

An experimental study of the influence of antifibrinolytic therapy on post-subarachnoid-hemorrhagic cerebral vasospasm and hydrocephalus. Kenning JA, et al. **Surg Neurol** 1984 Feb;21(2):159-64

Symptomatic hydrocephalus following aneurysmal subarachnoid hemorrhage. Kolluri VR, et al. **Surg Neurol** 1984 Apr;21(4):402-4

Leukocytosis and subarachnoid hemorrhage. Parkinson D, et al. **Surg Neurol** 1984 Feb;21(2):132-4

[Cerebral vasospasm in primary subarachnoid hemorrhage] Kadaňka Z, et al. **Cesk Neurol Neurochir** 1984 Jan; 47(1):16-9 (Eng. Abstr.) (Cze)

[Hydrocephalus following subarachnoid hemorrhage] Papo I, et al. **Neurochirurgie** 1984;30(3):159–64 (Eng. Abstr.) **(Fre)**

[Incidence of ventricular arrhythmia relative to the QT interval in spontaneous intracranial hemorrhages] Sen S, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):817–20 (Eng. Abstr.) **(Ger)**

[Cerebrospinal fluid circulation disorders following spontaneous subarachnoid hemorrhage] Oeckler RC. **MMW** 1983 Oct 7;125(40):877–8 **(Ger)**

[ECG changes in subarachnoid hemorrhages] Iliás L, et al. **Orv Hetil** 1983 Nov 13;124(46):2797–801 (Eng. Abstr.) **(Hun)**

[Cardiac arrhythmias associated with subarachnoid hemorrhage. Prospective study with dynamic electrocardiography] Di Pasquale G, et al. **G Ital Cardiol** 1984 May;14(5):323–9 (Eng. Abstr.) **(Ita)**

[Intraocular hemorrhage in ruptured intracranial aneurysm. Clinical study of 172 cases and reference to Terson's syndrome] Shinoda J, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):349–54 (Eng. Abstr.) **(Jpn)**

[Diabetes insipidus following the rupture of cerebral aneurysms—with special reference to preoperative cases] Miyasaka Y, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):369–76 (Eng. Abstr.) **(Jpn)**

[1st attempt at dilating spastic cerebral arteries in the acute stage of rupture of arterial aneurysms] Zubkov IuN, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):17–23 (Eng. Abstr.) **(Rus)**

[Subarachnoid hemorrhage in drug addicts (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):39–40 **(Spa)**

DIAGNOSIS

Cerebral blood volume, blood flow, and oxygen metabolism in cerebral ischaemia and subarachnoid haemorrhage: an in–vivo study using positron emission tomography. Martin WR, et al. **Acta Neurochir (Wien)** 1984;70(1–2):3–9

Cerebral vasospasm after subarachnoid hemorrhage: an update. Heros RC, et al. **Ann Neurol** 1983 Dec; 14(6):599–608

Subarachnoid hemorrhage masquerading electrocardiographically as acute myocardial infarction. Diamond T, et al. **Heart Lung** 1984 Jul;13(4):451–3

Spinal subarachnoid hematoma of spontaneous origin and complicating anticoagulation. Report of four cases and review of the literature. Gaitzsch J, et al. **Surg Neurol** 1984 Jun;21(6):534–8

[Differential diagnostic criteria of subarachnoid hemorrhage in arterial and arteriovenous aneurysms] Burlutskiĭ AP, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1292–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Ruptured intracranial aneurysms [letter] Neil–Dwyer G, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):878–9

A randomized placebo–controlled double–blind trial of nimodipine after SAH in monkeys. Part 1: Clinical and radiological findings. Espinosa F, et al. **J Neurosurg** 1984 Jun;60(6):1167–75

A randomized placebo–controlled double–blind trial of nimodipine after SAH in monkeys. Part 2: Pathological findings. Espinosa F, et al. **J Neurosurg** 1984 Jun; 60(6):1176–85

Intracarotid slow bolus injection of nimodipine during angiography for treatment of cerebral vasospasm after SAH. A preliminary report. Grotenhuis JA, et al. **J Neurosurg** 1984 Aug;61(2):231–40

Antifibrinolytic therapy in the acute period following aneurysmal subarachnoid hemorrhage. Preliminary observations from the Cooperative Aneurysm Study. Kassell NF, et al. **J Neurosurg** 1984 Aug;61(2):225–30

Antifibrinolytics: ischemia may offset control [news] Check WA. **JAMA** 1984 Aug 3;252(5):595, 597

Antifibrinolytic treatment in subarachnoid hemorrhage. Vermeulen M, et al. **N Engl J Med** 1984 Aug 16; 311(7):432–7

[Complications during subarachnoid hemorrhage in relation to antifibrinolytic treatment] Kadaňka Z, et al. **Cesk Neurol Neurochir** 1984 May;47(3):164–8 (Eng. Abstr.) **(Cze)**

[Intrathecal administration of antifibrinolytics in subarachnoid hemorrhage] Leška P, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):411–2 **(Cze)**

[Clinical experiences with nimodipine (Bay e 9736)] Russegger L, et al. **Neurochirurgia (Stuttg)** 1984 Mar; 27(2):39–43 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Subarachnoid haemorrhage and acute heart injury. Kettunen P. **Clin Chim Acta** 1983 Oct 31;134(1–2):123–7

ETIOLOGY

Prevalence of diabetes mellitus among patients with subarachnoid hemorrhage. Adams HP Jr, et al. **Arch Neurol** 1984 Oct;41(10):1033–5

Subarachnoid hemorrhage precipitated by cocaine snorting. Lichtenfeld PJ, et al. **Arch Neurol** 1984 Feb;41(2):223–4

Childhood medulloblastoma presenting with hemorrhage. Chugani HT, et al. **Childs Brain** 1984;11(2):135–40

Cryptogenic spontaneous subarachnoid haemorrhage. Velghe LE, et al. **Clin Neurol Neurosurg** 1983;85(3):139–44

Fatal subarachnoid haemorrhages in relation to minor injuries in Denmark from 1967 to 1981. Simonsen J. **Forensic Sci Int** 1984 Jan;24(1):57–63

Subarachnoid haemorrhage due to upper cervical trauma. Harland WA, et al. **J Clin Pathol** 1983 Dec;36(12):1335–41

Rupture of intracranial vascular lesions during arteriography. Tsementzis SA, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):795–8

Subarachnoid hemorrhage in childhood and adolescence. Hourihan MD, et al. **J Neurosurg** 1984 Jun;60(6):1163–6

Recurrent subarachnoid bleeding in association with dural substitute. Report of three cases. Simpson D, et al. **J Neurosurg** 1984 Feb;60(2):408–9

Aneurysmal rebleeding: a preliminary report from the Cooperative Aneurysm Study. Kassell NF, et al. **Neurosurgery** 1983 Nov;13(5):479–81

Choroid plexus papilloma of the cerebellopontine angle presenting as a subarachnoid hemorrhage: case report. Piguet V, et al. **Neurosurgery** 1984 Jul;15(1):114–6

[Seasonal variation in subarachnoid hemorrhage due to rupture of sacculated intracranial aneurysms] Duel P, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):806–7 (Eng. Abstr.) **(Dan)**

[Subarachnoid hemorrhage in the last pregnancy trimester] Friese S, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17; 127(38):1723–5 (Eng. Abstr.) **(Dut)**

[Ulcero–hemorrhagic rectocolitis. Possible manifestation, angiitis of the central nervous system (letter)] Friol–Vercelletto M, et al. **Presse Med** 1984 May 5; 13(19):1218 **(Fre)**

[Differential diagnosis: acute hemorrhagic manifestation of an intracranial meningioma] Brambilla P, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):470–7 (Eng. Abstr.) **(Ita)**

[Aneurysm and subarachnoid hemorrhage. Diagnosis and therapy of the manifestations of cerebrovascular lesions] Cassinari V, et al. **Riv Neurobiol** 1983 Apr–Sep; 29(2–3):310–39 (Eng. Abstr.) **(Ita)**

[Subarachnoid hemorrhage of unknown cause. Clinical study] Ishii R, et al. **Neurol Med Chir (Tokyo)** 1983 Apr; 23(4):262–6 (Eng. Abstr.) **(Jpn)**

[Anterior communicating artery aneurysm with bilateral middle cerebral artery occlusion. Case report] Tazawa T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):478–82 (Eng. Abstr.) **(Jpn)**

[Cerebral vasospasm following subarachnoid hemorrhage in arteriovenous malformation] Matsumori K, et al. **No Shinkei Geka** 1983 Aug;11(8):829–34 (Eng. Abstr.) **(Jpn)**

[A case of subependymoma in the lateral ventricle with intraventricular hemorrhage] Seiki Y, et al. **No Shinkei Geka** 1984 May;12(6):761–5 (Eng. Abstr.) **(Jpn)**

[New method for the experimental production of subarachnoid hemorrhage] Trojanowski T. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):553–7 (Eng. Abstr.) **(Pol)**

[Pathogenesis of subarachnoid hemorrhage in closed craniocerebral injuries] Starykh VS. **Zh Nevropatol Psikhiatr** 1984;84(5):668–72 (Eng. Abstr.) **(Rus)**

[Subarachnoid hemorrhage caused by a ruptured aneurysm and secondary cerebral vasospasm] Gómez López PA, et al. **Rev Clin Esp** 1983 Nov 30;171(4):231–5 (61 ref.) **(Spa)**

FAMILIAL & GENETIC

Subarachnoid haemorrhage in identical twins. Schon F, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):81–3

IMMUNOLOGY

Alterations in the cellular immune response of patients with cerebral glioma, benign intracranial tumour, and spontaneous subarachnoid haemorrhage measured in vitro by the leucocyte migration inhibition test. Bean JR, et al. **Neurol Res** 1983;5(1):61–75

METABOLISM

Intraoperative monitoring of cortical surface oxygen in subarachnoid haemorrhage. Powell MP, et al. **Adv Exp Med Biol** 1984;169:241–9

CSF dynamics in patients with subarachnoid and/or intraventricular hemorrhage. Kosteljanetz M. **J Neurosurg** 1984 May;60(5):940–6

Hyponatremia and natriuresis following subarachnoid hemorrhage in a monkey model. Nelson PB, et al. **J Neurosurg** 1984 Feb;60(2):233–7

MORTALITY

Outcome 1 year after SAH from cerebral aneurysm. Management morbidity, mortality, and functional status in 112 consecutive good–risk patients. Ropper AH, et al. **J Neurosurg** 1984 May;60(5):909–15

Prognosis of spontaneous (non–traumatic) subarachnoid haemorrhage of unknown cause. A personal series 1958–1980. Shephard RH. **Lancet** 1984 Apr 7;1(8380):777–9

[Subarachnoid hemorrhage. A ten–year hospital study in Ravenna] Rebucci GG, et al. **Riv Neurobiol** 1983 Apr–Sep; 29(2–3):411–23 (Eng. Abstr.) **(Ita)**

NURSING

Nursing management of a patient with a subarachnoid hemorrhage. Chase M, et al. **J Neurosurg Nurs** 1984 Feb; 16(1):23–9

OCCURRENCE

Subarachnoid hemorrhage in New Zealand: an epidemiological study. Bonita R, et al. **Stroke** 1983 May–Jun;14(3):342–7

Subarachnoid hemorrhage in an isolated population. Incidence on the Faroes during the period 1962–1975. Joensen P. **Stroke** 1984 May–Jun;15(3):438–40

PATHOLOGY

Morphological changes of the basilar artery, ventricles, and choroid plexus after experimental SAH. Liszczak TM, et al. **J Neurosurg** 1984 Sep;61(3):486–93

Intimal proliferation of cerebral arteries after subarachnoid blood injection in pigs. Takemae T, et al. **J Neurosurg** 1984 Sep;61(3):494–500

[Pathological changes and clinical features of hypothalamic lesions in cases of subarachnoid hemorrhage] Lin SH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr; 16(2):114–7 (Eng. Abstr.) **(Chi)**

[Histopathological studies of peripheral arteries in the brain associated with subarachnoid hemorrhage] Negishi K. **Nippon Ika Daigaku Zasshi** 1984 Apr;51(2):171–81 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Early effects of experimental arterial subarachnoid haemorrhage on the cerebral circulation. Part I: Experimental subarachnoid haemorrhage in cat and its pathophysiological effects. Methods of regional cerebral blood flow measurement and evaluation of microcirculation. Trojanowski T. **Acta Neurochir (Wien)** 1984;72(1–2):79–94

Early effects of experimental arterial subarachnoid haemorrhage on the cerebral circulation. Part II: Regional cerebral blood flow and cerebral microcirculation after experimental subarachnoid haemorrhage. Trojanowski T. **Acta Neurochir (Wien)** 1984;72(3–4):241–55

Electrocardiographic changes and their prognostic significance in patients with subarachnoid hemorrhage. Maiuri F, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):111–6

An experimental study of acute subarachnoid haemorrhage in baboons: changes in cerebral blood volume, blood flow, electrical activity and water content. Kuyama H, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):354–64

Musical murmurs in human cerebral arteries after subarachnoid hemorrhage. Aaslid R, et al. **J Neurosurg** 1984 Jan;60(1):32–6

Blood–brain barrier in SAH [letter] Dóczi T, et al. **J Neurosurg** 1983 Dec;59(6):1109–10

An experimental study of the acute stage of subarachnoid hemorrhage. Kamiya K, et al. **J Neurosurg** 1983 Dec; 59(6):917–24

The prognostic value of noninvasive CBF measurement in subarachnoid hemorrhage. Géraud G, et al. **Stroke** 1984 Mar–Apr;15(2):301–5

A small animal model for electrocardiographic abnormalities observed after an experimental subarachnoid hemorrhage. Lacy PS, et al. **Stroke** 1983 May–Jun;14(3):371–7

[Electrocardiographic anomalies in subarachnoid hemorrhage] Page A, et al. **Arch Mal Coeur** 1983 Sep; 76(9):1031–8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

CT demonstration of a spinal subarachnoid haematoma following lumbar puncture. Bellamy EA, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):791–2

Does moyamoya disease cause subarachnoid hemorrhage? Review of 54 cases with intracranial hemorrhage confirmed by computerized tomography. Aoki N, et al. **J Neurosurg** 1984 Feb;60(2):348–53

Significance of contrast enhancement in cranial computerized tomography after subarachnoid hemorrhage. Doczi T, et al. **J Neurosurg** 1984 Feb;60(2):335–42

The value of computerized tomography in aneurysmal subarachnoid hemorrhage. The concept of the CT score. Gurusinghe NT, et al. **J Neurosurg** 1984 Apr;60(4):763–70

Pseudotumour of the corpus callosum due to subarachnoid haemorrhage from pericallosal aneurysm. Lau LS, et al. **Neuroradiology** 1984;26(1):67–9

Subarachnoid hemorrhage with normal cerebral panangiography. Béguelin C, et al. **Neurosurgery** 1983 Oct; 13(4):409–11

Hepatomegaly and jaundice occurring thirty years after a subarachnoid hemorrhage. Traub DM, et al. **SD J Med** 1984 Feb;37(2):5–8

The angiopathy of subarachnoid hemorrhage I. Role of vessel wall catecholamines. Yoshioka J, et al. **Stroke** 1984 Mar–Apr;15(2):288–94

Subarachnoid hemorrhage in an adolescent with spontaneous occlusion of the left middle cerebral artery and reconstruction by collateral vessels (Moyamoya phenomenon). Walsh JW, et al. **Surg Neurol** 1984 Jan; 21(1):30–4

[Computed tomography in primary subarachnoid hemorrhage] Schneider GH, et al. **Rontgenblatter** 1983

Aug;36(8):256–9 (Eng. Abstr.) (Ger)
[Ruptured cerebral aneurysms not diagnosed by the initial cerebral angiography. Clinical and radiological study] Ishii R, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):471–7 (Eng. Abstr.) (Jpn)
[Traumatic subarachnoid hemorrhage] Takizawa T, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):390–5 (Eng. Abstr.) (Jpn)
[Necessity for conducting bilateral cerebral angiography in patients with subarachnoid hemorrhage] Holyst J, et al. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):593–96 (Eng. Abstr.) (Pol)

RADIONUCLIDE IMAGING

Serial measurement of regional cerebral blood flow in patients with SAH using 133Xe inhalation and emission computerized tomography. Mickey B, et al. **J Neurosurg** 1984 May;60(5):916–22
Poor prognosis after subarachnoid hemorrhage [letter] Dóczi T, et al. **Neurosurgery** 1983 Sep;13(3):338–9

SURGERY

Short- and long-term prognosis of patients with a subarachnoid haemorrhage in relation to intra-operative period of hypotension. Hitchcock ER, et al. **Acta Neurochir (Wien)** 1984;70(3–4):235–42
Effect of long-term continuous infusion of alfathesin on clinical biochemical and haematological parameters. Gibbs N, et al. **Anaesth Intensive Care** 1984 May;12(2):108–12
Subarachnoid hemorrhage from intracranial dissecting aneurysm. Friedman AH, et al. **J Neurosurg** 1984 Feb; 60(2):325–34
Surgical treatment of tentorial arteriovenous malformations draining into the subarachnoid space. Report of four cases. Grisoli F, et al. **J Neurosurg** 1984 May;60(5):1059–66
Effect of selective inhibitor of thromboxane A2 synthetase on cerebral vasospasm after early surgery. Tani E, et al. **J Neurosurg** 1984 Jul;61(1):24–9
Somatosensory evoked potential monitoring during the management of aneurysmal SAH. Wang AD, et al. **J Neurosurg** 1984 Feb;60(2):264–8
Low grade glioma presenting as subarachnoid hemorrhage. Memon MY, et al. **Neurosurgery** 1984 May;14(5):574–7
The International Cooperative Study on Timing of Aneurysm Surgery—an update. Kassell NF, et al. **Stroke** 1984 May–Jun;15(3):566–70
Removal of subarachnoid blood clots after subarachnoid hemorrhage. Wakabayashi T, et al. **Surg Neurol** 1984 Jun; 21(6):553–6
[Outcome of ruptured intracranial aneurysms treated in accordance with the principle of deferred surgery. 308 consecutive cases over an 11 year period] Deruty R, et al. **Neurochirurgie** 1984;30(3):171–5 (Eng. Abstr.) (Fre)
[Ruptured aneurysms within 24 hours after subarachnoid hemorrhage. Surgical results of 69 cases] Sano H, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):355–60 (Eng. Abstr.) (Jpn)
[Postoperative intrathecal irrigation with plasminogen activator (Urokinase) after early stage operation on ruptured cerebral aneurysm] Yoshida Y, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):659–66 (Eng. Abstr.) (Jpn)

THERAPY

Acute operation and preventive nimodipine improve outcome in patients with ruptured cerebral aneurysms. Auer LM. **Neurosurgery** 1984 Jul;15(1):57–66

SUBARACHNOID SPACE

Treatment of a subarachnoid–cutaneous fistula with an epidural blood patch. Katz J. **Anesthesiology** 1984 Jun; 60(6):603–4
Effect of temporary subdural–peritoneal shunt on subdural effusion with subarachnoid effusion. Tsubokawa T, et al. **Childs Brain** 1984;11(1):47–59
[Intraventricular morphine administered by means of a catheter in the cervical subarachnoid space] Mocavero G, et al. **Minerva Anestesiol** 1984 Mar;50(3):111–3 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Documentation of a new contrast medium for the subarachnoid space. Demands, design and results from the first multicentre trial with iohexol. Grönneröd TA, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):487–91
Cerebrospinal fluid entrapment cysts with subarachnoid dissemination of medulloblastoma: CT findings. Handa J, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):988–9
Results of computerized metrizamide cisternography. 37 cases of fracture of the anterior and/or middle fossae of the base of the cranium. Cellerier P, et al. **J Neuroradiol** 1983;10(4):315–24 (Eng, Fre)
Dermoid cyst communicating with the subarachnoid space and lateral ventricle: demonstration by metrizamide computed tomographic cisternography. Wakai S, et al. **Neurosurgery** 1983 Dec;13(6):696–8

SURGERY

Experimental transcerebral fistula. Perineural olfactory CSF flow in the normal, hydrocephalic, and postoperative hydrocephalic dog shown by radionuclide ventriculography. Foltz E, et al. **J Neurosurg** 1984 Aug; 61(2):355–64

SUBCELLULAR FRACTIONS

[Characterization of the lymphoid cell populations and subpopulations in the peripheral blood of repeatedly dialyzed patients with chronic renal insufficiency beyond the uremic stage] Ursea N, et al. **Rev Med Interna [Med Interna]** 1983 Nov–Dec; 35(6):545–54 (Eng. Abstr.) (Rum)

ANALYSIS

A versatile microfiltration device. Lenzen S, et al. **Anal Biochem** 1983 Oct 1;134(1):56–9
Automated enzymic, protein and DNA microanalysis to tissue biopsy samples and subcellular fractions. Shah T, et al. **Clin Chim Acta** 1984 Mar 27;138(1):125–32
[Effect of iron on the determination of hydroxyproline in lung homogenates] Jendryczko A, et al. **Pneumonol Pol** 1984 Feb;52(2):83–5 (Eng. Abstr.) (Pol)
[Flow-type semi-automatic homogenizer for obtaining homogenates from human and animal tissues] Mal'tsev AV, et al. **Lab Delo** 1984;(1):57–9 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Subcellular sites of enzymes catalyzing the phosphorylation–dephosphorylation of dolichol in the central nervous system. Scher MG, et al. **Arch Biochem Biophys** 1984 Jun;231(2):293–302
Preparation and characterization of subcellular fractions suitable for studies of drug metabolism from the trunk kidney of the Northern pike (Esox lucius) and assay of certain enzymes of xenobiotic metabolism in these subfractions. Balk L, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2447–59
Cellular localization, metabolism, and physiology. **Isozymes Curr Top Biol Med Res** 1983;8:1–269
Subcellular localization of isozymes—an overview. Masters C. **Isozymes Curr Top Biol Med Res** 1983;8:1–21
Comparison of the vacuolar membrane ATPase of Neurospora crassa with the mitochondrial and plasma membrane ATPases. Bowman EJ. **J Biol Chem** 1983 Dec 25;258(24):15238–44
[Lipoamide dehydrogenase, citrate synthase and beta-hydroxyacyl-CoA-dehydrogenase of skeletal muscle. III. Activity and subcellular distribution in light and dark musculature of cattle, swine and poultry] Hamm R, et al. **Z Lebensm Unters Forsch** 1984 May;178(5):376–81 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Subcellular location of polypeptides that react with anti-Sm and anti-RNP antibodies. Symington J, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):81–7

METABOLISM

Subcellular distribution of zinc in the benign and malignant human prostate: evidence for a direct zinc androgen interaction. Leake A, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):281–8
Synthetic [Asu1,7] eel calcitonin increases phosphorus content in the hepatic mitochondria of rats. Yamaguchi M. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):352–6
Concentration and subcellular localization of zinc in the hippocampal formation, cerebellum, and whole brain during the postnatal development of the rat. Kalinowski M, et al. **Acta Histochem (Jena)** 1983;73(1):33–40
Sedimentation characteristics of subcellular vesicles associated with internalized insulin and those bound with intracellular glucose transport activity. Ezaki O, et al. **Arch Biochem Biophys** 1984 Jun;231(2):280–6
Distribution of radioactive silver in the subcellular fractions of various tissues of the rat and its binding to low molecular weight proteins. Matuk Y. **Can J Physiol Pharmacol** 1983 Nov;61(11):1391–5
Effect of DDE on the Ca metabolism of the duck eggshell gland and its subcellular fractions; relation to the functional stage. Lundholm CE. **Comp Biochem Physiol [C]** 1984; 78(1):5–12
NADH oxidation in submitochondrial particles protects respiratory chain activity against damage by adriamycin–Fe3+. Demant EJ. **Eur J Biochem** 1983 Dec 1;137(1–2):113–8
[3H]imipramine binding in subcellular fractions of rat cerebral cortex after chemical lesion of serotonergic neurons. Sette M, et al. **Eur J Pharmacol** 1983 Nov 11; 95(1–2):41–51
Intracellular localization of the calcium antagonist propyl–methylenedioxyindene in cardiac tissue. Lynch JJ, et al. **Gen Pharmacol** 1983;14(6):571–8
Subcellular localization of the synthesis and glycosylation of chondroitin sulfate proteoglycan core protein. Geetha-Habib M, et al. **J Biol Chem** 1984 Jun 10; 259(11):7300–10
A comparative study of L[3H]-glutamate and L[3H]-cysteine sulfinate binding sites in subcellular fractions of rat brain. Recasens M, et al. **J Neurosci Res** 1984;11(2):157–69
Subcellular distribution of 3H-digitoxin and its metabolites in the hearts of the cats with a hypersensitivity to the drug. Fujino S, et al. **Jpn J Pharmacol** 1983 Aug;33(4):765–73
Intracellular sites of toxic metals. Goyer RA. **Neurotoxicology (Park Forest Il)** 1983 Fall;4(3):147–56
[Immobilization of proteins and cell fragments using a new method of microencapsulation] Pommerening K, et al. **Biomed Biochim Acta** 1983;42(7–8):813–23 (Eng. Abstr.) (Ger)
[Sulfamethoxazole concentration in the homogenate of the human embryo] Prokopczyk J, et al. **Probl Med Wieku Rozwoj** 1979;9:132–3 (Eng. Abstr.) (Pol)

PHYSIOLOGY

Comparative studies on the role of calcium in triggering subcellular damage in cardiac muscle. Rudge MF, et al. **Comp Biochem Physiol [A]** 1984;77(3):459–68
Abstracts of papers presented at the twenty-third annual meeting: the American Society for Cell Biology. San Antonio, Texas, 29 November–3 December 1983. **J Cell Biol** 1983 Nov;97(5 Pt 2):1a–512a

SUBCLAVIAN ARTERY

Idiopathic multiple systemic aneurysms in a child. Fee H, et al. **Am J Dis Child** 1983 Nov;137(11):1101–2
Subclavian artery occlusion 42 years after mastectomy and radiotherapy. Hughes WF, et al. **Am J Surg** 1984 May; 147(5):698–700
Ruptured subclavian artery aneurysm: ballon catheter for the immediate control of haemorrhage. Subbarao KS, et al. **J Indian Med Assoc** 1983 Aug;81(3–4):56–7
Percutaneous transluminal angioplasty following endarterectomy. Tisnado J, et al. **Radiology** 1984 Aug; 152(2):361–4
Occlusion of the innominate, common carotid, and subclavian arteries: long-term results of surgical treatment. Crawford ES, et al. **Surgery** 1983 Nov;94(5):781–91
[Aneurysm of the subclavian artery: an unusual cause of mediastinal pseudotumor] Herman DP, et al. **Ann Med Interne (Paris)** 1983;134(7):651–2 (Eng. Abstr.) (Fre)
[Our experience with surgery of chronic obstructive lesions of the subclavian artery. Apropos of 94 procedures. Critical analysis of our results] Burnay J, et al. **J Mal Vasc** 1983; 8(3):249–52 (Eng. Abstr.) (Fre)
[Subclavian floating thrombus responsible for encephalo-digital syndrome. 2 cases] Ferrière M, et al. **Presse Med** 1984 Jan 14;13(1):27–29 (Eng. Abstr.) (Fre)
[Percutaneous endoluminal angioplasty of the supra-aortic arterial trunks. Immediate and remote results] Pernes JM, et al. **Presse Med** 1984 Apr 21;13(17):1075–8 (Eng. Abstr.) (Fre)
[Cervical rib syndrome with aneurysm of the subclavian artery. Clinical case] Antonini G, et al. **Riv Neurol** 1983 Sep–Oct;53(5):353–8 (Eng. Abstr.) (Ita)
[Aneurysm of the descending thoracic aorta associated with left subclavian artery aneurysm] Kusaba E, et al. **Kyobu Geka** 1983;36(7):548–9 (Eng. Abstr.) (Jpn)
[Extrathoracic methods of correcting combined lesions of the subclavian artery and bifurcation of the carotid artery] Pokrovskiĭ AV, et al. **Khirurgiia (Mosk)** 1984 May;(5):18–24 (Eng. Abstr.) (Rus)
[Extrathoracic reconstructive surgery in the brachiocephalic zone] Izmukhanov AK, et al. **Klin Khir** 1983 Jul;(7):4–6 (Eng. Abstr.) (Rus)
[Indications for endovascular dilatation in arterial occlusive diseases of the limbs] Savel'ev VS, et al. **Vestn Khir** 1984 May;132(5):43–8 (Eng. Abstr.) (Rus)

ABNORMALITIES

The association of a retroesophageal right subclavian artery, a right-sided terminating thoracic duct, and a left vertebral artery of aortic origin: anatomical and clinical considerations. Nathan H, et al. **Acta Anat (Basel)** 1983; 117(4):362–73
Cervical origin of the right subclavian artery in aortic arch interruption: pathogenesis and significance. Kutsche LM, et al. **Am J Cardiol** 1984 Mar 15;53(7):892–5
Aberrant right subclavian artery—esophageal fistula: a cause of overwhelming upper gastrointestinal hemorrhage. Belkin RI, et al. **Cardiovasc Intervent Radiol** 1984;7(2):87–9
Aneurysm of an aberrant right subclavian artery—computed tomography. Lupetin AR. **Cardiovasc Intervent Radiol** 1984;7(2):84–6
A case of the right subclavian artery as the last branch of the aortic arch. Umetani T, et al. **Kaibogaku Zasshi** 1983 Dec;58(6):626–9
[Elongation of the right branches of the aortic arch simulating aneurysm] Weiss K, et al. **Rozhl Chir** 1984 Mar;63(3):204–8 (Eng. Abstr.) (Cze)
[Conservative or surgical treatment of congenital arteriovenous malformations. A case of spontaneous amputation] Hoessly UJ. **Helv Chir Acta** 1984 Jun; 51(2):215–8 (Ger)
[Clinical conference at the Department of Surgery, Kawasaki Medical School. 2. Aortic valve stenosis associated with abnormalities of the right aortic arch and the origin of the left subclavian artery] **Kyobu Geka** 1983 Dec;36(11):924–7 (Jpn)

ANATOMY & HISTOLOGY

Transposition of the great vessels [letter] **South Med J** 1984 Mar;77(3):406

INJURIES

Arterial complications of attempted Swan-Ganz insertion. Silver GM, et al. **Am J Cardiol** 1984 Jan 15;53(2):340-1

The management of subclavian artery injuries following blunt thoracic trauma. Sturm JT, et al. **Ann Thorac Surg** 1984 Sep;38(3):188-91

Blunt injury to the subclavian artery. Faris I, et al. **Aust NZ J Surg** 1984 Jun;54(3):249-51

Arteriovenous fistulas following central venous catheterization. Hansbrough JF, et al. **Intensive Care Med** 1983;9(5):287-9

Combined azygous vein and subclavian artery injury in blunt chest trauma. Baldwin JC, et al. **J Trauma** 1984 Feb; 24(2):170-1

Combined subclavian artery and brachial plexus injuries from blunt upper-extremity trauma. Tomaszek DE. **J Trauma** 1984 Feb;24(2):161-3

[Extra-anatomic bypass in injuries of the subclavian artery] Thiele H, et al. **Chirurg** 1983 Nov;54(11):734-7 (Eng. Abstr.) (Ger)

PATHOLOGY

Takayasu's arteritis of the upper extremities. A case report and review of literature. Al-Awami S, et al. **Angiology** 1984 Jun;35(6):383-8

Polymyalgia rheumatica and systemic giant cell arteritis. Bioptic findings of the subclavian arteries in a case of aortic arch syndrome. Di Giacomo V, et al. **Angiology** 1984 Aug; 35(8):528-33

Histo-anatomical backgrounds of subclavian flap aortoplasty in coarctation of the aorta. van Meurs-van Woezik H, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):72-7

PHYSIOPATHOLOGY

Subclavian occlusive disease presenting as a painful nail [letter] Kerdel FA, et al. **J Am Acad Dermatol** 1984 Mar; 10(3):523-5

RADIOGRAPHY

The value of digital subtraction angiography in peripheral vascular diseases. Takahashi M, et al. **Br J Radiol** 1984 Feb;57(674):123-32

Fibromuscular dysplasia of the right subclavian artery. Becquemin JP, et al. **Eur J Radiol** 1983 Nov;3(4):378-9

Unusual clinical signs in left subclavian artery occlusion: clinical and angiographic correlation. Goldenberg E, et al. **Stroke** 1983 May-Jun;14(3):396-8

[X-ray endovascular dilatation of the subclavian artery] Rabkin IKh, et al. **Grudn Khir** 1984 Mar-Apr;(2):76-8 (Rus)

SURGERY

Subclavian-carotid transposition. Experience in 33 cases. Lerut J, et al. **Acta Chir Belg** 1983 Jul-Aug;83(4):270-5

A grafted arteriovenous fistula between the subclavian artery and ipsilateral internal jugular vein. Case report. Thomsen MB. **Acta Chir Scand** 1983;149(6):637-8

Subclavian-pulmonary artery shunts with polytetrafluorethylene interposition grafts. Bove EL, et al. **Ann Thorac Surg** 1984 Jan;37(1):88-91

Reversed subclavian flap angioplasty for arch coarctation of the aorta. Hart JC, et al. **Ann Thorac Surg** 1983 Dec; 36(6):715-7

Aneurysm of an aberrant right subclavian artery: repair using circulatory arrest. Baillot RG, et al. **Cleve Clin Q** 1984 Spring;51(1):173-5

Balloon embolization to occlude a Blalock-Taussig shunt. Florentine M, et al. **J Am Coll Cardiol** 1984 Jan;3(1):200-2

Aneurysmal degeneration of Blalock-Taussig shunts: identification and surgical treatment options. Scott WC, et al. **J Am Coll Cardiol** 1984 May;3(5):1277-81

Atherosclerotic aneurysm of the subclavian artery. Lombardo R, et al. **J Cardiovasc Surg (Torino)** 1983 Nov-Dec;24(6):675-6

Blalock shunt: procedure of choice in infants. Roh MS, et al. **J Cardiovasc Surg (Torino)** 1984 Jan-Feb;25(1):1-4

Carotid-subclavian bypass for subclavian steal syndrome. Dalton M, et al. **J Miss State Med Assoc** 1984 Jul; 25(7):165-8

Serous fluid leakage: a complication following the modified Blalock-Taussig shunt. LeBlanc J, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):259-62

Chylopericardium after Blalock-Taussig anastomosis [letter] Louhimo I. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):642

Subclavian arterioplasty. Repair of coarctation of the aorta in the first year of life. Penkoske PA, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):894-900

Central, high flow subclavian artery-internal jugular vein fistula for venous access. Ekeström S, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):299-303

[Our experience with interaxillary shunts. Apropos of 39 shunts. Technic, results, indications] Burnay J, et al. **J Chir (Paris)** 1984 Feb;121(2):119-21 (Eng. Abstr.) (Fre)

[Surgical treatment of isthmic coarctation of the aorta by left subclavian artery post-isthmic aortic by-pass] Casarotto D, et al. **G Ital Cardiol** 1983;14(1):21-4 (Eng. Abstr.) (Ita)

[Protection of the brain from ischemia during reconstruction in occlusive lesions of the aortic arch branches] Kniazev MD, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):29-33 (Rus)

[Establishing a subclavian-pulmonary anastomosis in the presence of a short subclavian artery trunk] Babliak DE, et al. **Klin Khir** 1983 Jul;(7):48-9 (Eng. Abstr.) (Rus)

[Aneurysm of the right pulmonary artery following atypical Blalock-Taussig fistula. Surgical correction] Caffarena Raggio JM, et al. **Rev Esp Cardiol** 1984 Jul-Aug; 37(4):294-7 (Eng. Abstr.) (Spa)

TRANSPLANTATION

Subclavian flap repair of coarctation of the aorta in neonates. Realization of growth potential? Moulton AL, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):220-35

SUBCLAVIAN STEAL SYNDROME

Subclavian steal-carotid recovery phenomenon. Experience of 7 operated patients. Liljeqvist L, et al. **Acta Chir Scand** 1983;149(5):483-9

CONGENITAL

[Surgical treatment of vascular ring with congenital subclavian steal syndrome--a case report] Fukuda T, et al. **Kyobu Geka** 1984 Jun;37(6):433-7 (Eng. Abstr.) (Jpn)

[A case of congenital subclavian steal] Sawa H, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):383-7 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Subclavian steal syndrome. Paulman PM, et al. **Am Fam Physician** 1983 Oct;28(4):199-203

Subclavian steal diagnosis: Doppler sonography vs. angiography. Saia A, et al. **Ital J Neurol Sci** 1983 Dec; 4(4):439-42

Unusual clinical signs in left subclavian artery occlusion: clinical and angiographic correlation. Goldenberg E, et al. **Stroke** 1983 May-Jun;14(3):396-8

[Ultrasound dopplerography in the diagnosis of the subclavian steal syndrome] Nikitin IuM. **Zh Nevropatol Psikhiatr** 1983;83(9):1295-9 (Eng. Abstr.) (Rus)

ETIOLOGY

[The cerebrovascular circulation 'steal' syndrome in extensive hemangioma of the tongue and lip in a newborn infant] Ismagilov MF, et al. **Pediatriia** 1983 Jul;(7):64-5 (0 ref.) (Rus)

PATHOLOGY

Interruption of the aortic arch in an infant with left subclavian steal syndrome. Case report. Carletti E, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):187-9

[New cases of the subclavian steal syndrome] Pesce C, et al. **Pathologica** 1983 Nov-Dec;75(1040):819-27 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Surgically induced carotid subclavian steal syndrome. Diagnosis by video dilution technique. Hunter G, et al. **Arch Surg** 1983 Nov;118(11):1325-9

[2-phase summation imaging of the subclavian steal syndrome using transvenous DSA] Arlart IP. **Rontgenblatter** 1984 Jul; 37(7):242-4 (Eng. Abstr.) (Ger)

[Case of Subclavian steal of the right aortic arch] Uchino A, et al. **Rinsho Hoshasen** 1983 Aug;28(8):887-90 (Eng. Abstr.) (Jpn)

SURGERY

Carotid-subclavian bypass for subclavian steal syndrome. Dalton M, et al. **J Miss State Med Assoc** 1984 Jul; 25(7):165-8

Experience with the axillo-axillary bypass. Aitken RJ, et al. **S Afr J Surg** 1983 Dec;21(4):215-21

[Subclavian steal syndrome] Sun YQ. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):614-7 (Eng. Abstr.) (Chi)

[Intraoperative transluminal angioplasty in subclavian steal syndrome, an alternative to vascular surgery?] Mondt H, et al. **Vasa** 1984;13(1):47-51 (Eng. Abstr.) (Ger)

THERAPY

Angioplasty of subclavian artery stenosis proximal to the vertebral origin. Damuth HD Jr, et al. **AJNR** 1983 Nov-Dec;4(6):1239-42

Innominate artery angioplasty. Vitek JJ, et al. **AJNR** 1984 Jan-Feb;5(1):113-4

Nonsurgical treatment of subclavian steal syndrome by percutaneous transluminal angioplasty. Rubenstein RB, et al. **Iowa Med** 1984 Mar;74(3):109-11

Delayed reversal of vertebral artery blood flow following percutaneous transluminal angioplasty for subclavian steal syndrome. Ringelstein EB, et al. **Neuroradiology** 1984; 26(3):189-98

Subclavian steal: treatment with percutaneous transluminal angioplasty. Bean WJ, et al. **South Med J** 1984 Aug; 77(8):1044-6

[Experience in management of the subclavian steal syndrome] Cheng KK, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 May; 83(5):477-90 (Eng. Abstr.) (Chi)

[Percutaneous transluminal angioplasty for subclavian steal syndrome] Kodera K, et al. **Rinsho Hoshasen** 1984 Mar; 29(3):409-10 (Eng. Abstr.) (Jpn)

SUBCLAVIAN VEIN

Subclavian thrombosis following hockey injuries. Butsch JL. **Am J Sports Med** 1983 Nov-Dec;11(6):448-50

Implantable central venous access system. Bothe A Jr, et al. **Am J Surg** 1984 Apr;147(4):565-9

New break-away needle for subclavian vein cannulation. Crowley WC, et al. **Am J Surg** 1984 Jun;147(6):817

Pulmonary embolism secondary to venous thrombosis of the arm. Harley DP, et al. **Am J Surg** 1984 Feb;147(2):221-4

Subclavian cannulation. Valuable dialysis access alternative. Fares LG 2d, et al. **Am Surg** 1984 May;50(5):283-5

Percutaneous subclavian vein catheterization. Too much of a good thing? Lockwood AH. **Arch Intern Med** 1984 Jul; 144(7):1407-8

Fatal hemothorax caused by a subclavian hemodialysis catheter. Thoughts on prevention. Tapson JS, et al. **Arch Intern Med** 1984 Aug;144(8):1685-7

Aberrant locations and complications in initial placement of subclavian vein catheters. Conces DJ Jr, et al. **Arch Surg** 1984 Mar;119(3):293-5

Massive mediastinal hematoma caused by a double-lumen subclavian catheter. Vaziri ND, et al. **Artif Organs** 1984 May;8(2):223-6

Subclavian-axillary vein thrombosis: successful treatment with streptokinase. Wilson JJ, et al. **Can Med Assoc J** 1984 Apr 1;130(7):891-3

Subclavian vein thrombosis in patients treated with infusion chemotherapy for advanced malignancy. Lokich JJ, et al. **Cancer** 1983 Nov 1;52(9):1586-9

Urokinase perfusion for axillary-subclavian vein thrombosis. Fankuchen EI, et al. **Cardiovasc Intervent Radiol** 1984; 7(2):90-3

Unusual complications of subclavian vein catheterization. Weiner P, et al. **Crit Care Med** 1984 Jun;12(6):538-9

An appraisal of the subclavian dialysis catheter. Huffman KA, et al. **Int J Artif Organs** 1983 Jul;6(4):176-7

Venous obstruction from temporary pacing through the subclavian vein. Pauletti M, et al. **Int J Cardiol** 1983 Sep; 4(2):189-92

Subclavian vein access for haemodialysis: update. Garrett P, et al. **Ir Med J** 1983 Oct;76(10):433-5

Central venous catheterization: a modification of the infraclavicular approach to the subclavian vein. Wehmann TW. **J Am Osteopath Assoc** 1984 Jan;83(5):370-3

Problems with subclavian hemodialysis catheters [letter] Kaufman JL, et al. **JAMA** 1984 May 4;251(17):2210

Subclavian venous thrombosis due to indwelling catheters: a prospective study on 52 patients. Bozzetti F, et al. **JPEN** 1983 Nov-Dec;7(6):560-2

Delayed onset of hemothorax: an unusual complication of subclavian access for hemodialysis. Waldman RP, et al. **Nephron** 1984;37(4):270-2

Substernal goitre, deep venous thrombosis of the arm, and Pemberton's sign. Klaasen-Udding LM, et al. **Neth J Med** 1983;26(8):228-31

Radiographic assessment of venous catheter position in children: value of the lateral view. Stark DD, et al. **Pediatr Radiol** 1984;14(2):76-80

Local thrombolytic therapy for subclavian and axillary vein thrombosis. Treatment of the thoracic inlet syndrome. Becker GJ, et al. **Radiology** 1983 Nov;149(2):419-23

Low-dose streptokinase therapy for subclavian vein thrombosis. Appleby DH, et al. **South Med J** 1984 Apr; 77(4):536-7

Two Broviac catheters for intensive long term support of patients with cancer. Raaf JH. **Surg Gynecol Obstet** 1984 Feb;158(2):173-6

Venous access: a prospective, randomized study of the Hickman catheter. Wagman LD, et al. **Surgery** 1984 Mar; 95(3):303-8

Percutaneous subclavian vein catheterization for hemodialysis in small children. Weiss M, et al. **Surgery** 1984 Mar;95(3):353-4

[So-called primary or exertion-induced axillosubclavian phlebitis. Anatomico-functional conditions of appearance and bases of surgical treatment] Rettori R. **J Mal Vasc** 1984;9 Suppl A:22-4 (Fre)

[Percutaneous transluminal extraction of an embolized central venous catheter] Erdmann E. **Dtsch Med Wochenschr** 1984 Sep 7;109(36):1361-3 (Eng. Abstr.) (Ger)

[Subclavian vein thromboses as a complication of peripheral and central venous catheters (letter)] Zimmermann R, et al. **Dtsch Med Wochenschr** 1984 Aug 24;109(34):1305 (Ger)

[Percutaneous central venous catheterization in pediatrics] Baroncini S, et al. **Minerva Anestesiol** 1984 Mar;50(3):101-5 (Eng. Abstr.) (Ita)

[Complications of the puncture of the subclavian vein for measuring central venous pressure during operations under extracorporeal circulation] Kiljan W, et al. **Kardiol Pol** 1983;26(4):331-4 (Eng. Abstr.) (Pol)

[2 cases of venous thrombosis in long-term transvenous

cardiac pacing (letter)] Szuman J, et al. **Pol Tyg Lek** 1983 Aug 29;38(35):1094 **(Pol)**
[Case of an air embolism of the cerebral vessels during catheterization of the subclavian vein] Nemerov EV. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):67 **(Rus)**
[Modification of the needle for puncturing the subclavian vein] Shubunov IuA, et al. **Anesteziol Reanimatol** 1984 May–Jun;(3):51–2 (Eng. Abstr.) **(Rus)**
[Prevention of various complications of puncture catheterization of the subclavian vein] Sikora VI. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):53–4 **(Rus)**
[Case of air embolism after removing a catheter from the subclavian vein] Sloventator VIu. **Anesteziol Reanimatol** 1984 Jan–Feb;(1):69–70 (Eng. Abstr.) **(Rus)**
[Septic thromboendocarditis following catheterization of the subclavian vein in a newborn infant with infection] Shilenkova VI, et al. **Pediatriia** 1984 Mar;(3):48–50 **(Rus)**
[Hydromediastinum following catheterization of the subclavian vein] Bazarnov VT, et al. **Vestn Khir** 1984 Feb; 132(2):115 **(Rus)**
[Complications of catheterization of the subclavian vein] Chalyi PI, et al. **Vestn Khir** 1984 Feb;132(2):107–9 (Eng. Abstr.) **(Rus)**
[Relation between the development of thrombophlebitis of the subclavian vein and the side of catheterization] Isaev IuV, et al. **Vestn Khir** 1984 Jun;132(6):127–8 (Eng. Abstr.) **(Rus)**
[Use of puncture catheterization of the subclavian veins in an intensive care unit] Tarasov VG, et al. **Voen Med Zh** 1983 Dec;(12):32–6 **(Rus)**
[The selection of veins for intravenous catheters] Bačić A, et al. **Acta Med Iugosl** 1983;37(5):411–6 (Eng. Abstr.) **(Ser)**
[Surgery of the axillosubclavian venous trunk] Alcocer Andalon A, et al. **Angiologia** 1984 Mar–Apr;36(2):63–70 (Eng. Abstr.) **(Spa)**
[Venous thrombosis of the upper limb] Mateo AM. **Angiologia** 1983 Nov–Dec;35(6):251–5 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Transposition of the great vessels [letter] **South Med J** 1984 Mar;77(3):406
[Venous valves in the large branches of superior vena cava] Anderhuber F. **Acta Anat (Basel)** 1984;119(3):184–92 (Eng. Abstr.) **(Ger)**

INJURIES

Arteriovenous fistulas following central venous catheterization. Hansbrough JF, et al. **Intensive Care Med** 1983;9(5):287–9
Percutaneous subclavian catheterization. An unusual complication. Foster WS, et al. **J Ky Med Assoc** 1983 Nov; 81(11):831–3

PATHOLOGY

Subclavian vein thrombophlebitis: complication of total parenteral nutrition (TPN). Soto–Velasco JM, et al. **Cleve Clin Q** 1984 Spring;51(1):159–66
Paget–Schroetter syndrome. Sanghavi ST, et al. **J Postgrad Med** 1983 Jul;29(3):175–6

RADIONUCLIDE IMAGING

Gammagraphic detection of venous lesions secondary to total parenteral nutritional catheterization. A prospective study. Castillo–González A, et al. **Arch Invest Med (Mex)** 1983 Apr–Jun;14(2):107–16 **(Eng, Spa)**
Radionuclide venography in subclavian vein thrombosis complicating parenteral nutrition. Maurer AH, et al. **Clin Nucl Med** 1984 Jul;9(7):397–9

SURGERY

A method for inserting two catheters, pulmonary arterial and temporary pacing, through a single puncture into a subclavian vein. Jacob AS, et al. **Cathet Cardiovasc Diagn** 1983;9(6):611–5
Avoiding deaths from subclavian cannulation for hemodialysis. Tapson JS, et al. **Int J Artif Organs** 1983 Sep;6(5):227–30
A critical re–appraisal of lymph–venous shunt in the management of massive ascites. Puttini M, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):126–9

SUBCOMMISSURAL ORGAN see under **NEUROSECRETORY SYSTEMS**

SUBCONSCIOUS see **UNCONSCIOUS (PSYCHOLOGY)**

SUBCUTANEOUS EMPHYSEMA see under **EMPHYSEMA**

SUBDURAL EFFUSION see under **MENINGITIS**

SUBDURAL EMPYEMA

Subdural empyema: a retrospective study of 15 patients. Khan M, et al. **Can J Surg** 1984 May;27(3):283–5, 288
Subarachnoid empyemas. Considerations in connection with 55 cases. Arseni C, et al. **Zentralbl Neurochir** 1984; 45(1):28–39

COMPLICATIONS

[A case of infected subdural hematoma (subdural empyema) secondary to septicemia caused by agranulocytosis] Kaminogo M, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):353–7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Empyema: experience with 12 cases in Amiens] Tchaoussoff J, et al. **Agressologie** 1983 Apr;24(5):201–3 **(Fre)**
[Intracranial subdural empyema. 3 cases] Leys D, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3347–50 (Eng. Abstr.) **(Fre)**
[Spinal subdural empyemas and abscesses] Probst C, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(1):53–70 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Subdural empyema of sinus origin in children. Heilbronn YD, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):205–11
Brain abscess and empyema caused by Salmonella. Dunn DW, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):54–7
[Subdural empyema secondary to Salmonella meningitis] Gairi Tahull JM, et al. **An Esp Pediatr** 1983 Jul;19(1):74–6 **(Spa)**

RADIOGRAPHY

Subdural empyema: CT findings. Zimmerman RD, et al. **Radiology** 1984 Feb;150(2):417–22
Spinal subdural empyema: diagnosis by spinal computed tomography. Theodotou B, et al. **Surg Neurol** 1984 Jun; 21(6):610–2

SURGERY

Postoperative epilepsy in subdural suppurations. Calliauw L, et al. **Acta Neurochir (Wien)** 1984;71(3–4):217–23
Subdural empyema management of the primary source. Bradley PJ, et al. **Br J Clin Pract** 1984 Mar;38(3):85–8
Surgical management of subdural empyema. Hockley AD, et al. **Childs Brain** 1983;10(5):294–300

SUBDURAL SPACE see under **MENINGES**

SUBFORNICAL ORGAN see under **NEUROSECRETORY SYSTEMS**

SUBGINGIVAL CURETTAGE

see related
PERIODONTITIS

SUBJECT HEADINGS

[Developing a problem–solving list of classification headings for cardiology] Novikova LS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):88–92 **(Rus)**

SUBLIMINAL PERCEPTION see **SUBLIMINAL STIMULATION**

SUBLIMINAL STIMULATION

The conscious–unconscious interface: contributions to an understanding. Dixon NF. **Arch Psychol (Frankf)** 1983; 135(1):55–66
Subliminal effects on lexical decision time. Spence DP. **Arch Psychol (Frankf)** 1983;135(1):67–72
Personal organization of the visual field: a study of ambient to focal reports of threatening stimuli. Westerlundh B. **Arch Psychol (Frankf)** 1983;135(1):17–35
Effect of subliminal visual material on an auditory signal detection task. Moroney E, et al. **Percept Mot Skills** 1984 Feb;58(1):103–13

SUBLINGUAL GLAND

Salivary gland neoplasms. Ellis GL. **Ear Nose Throat J** 1984 Aug;63(8):358–69
Adenocarcinoma of the sublingual gland: case report and 50 year review of the literature. Nishijima W, et al. **Laryngoscope** 1984 Jan;94(1):96–101
[Suprahyoid ranula (with reference to a clinical case)] Somogyi A, et al. **Rev Chir [Otorinolaringol]** 1984 Jan–Mar; 29(1):43–8 **(Rum)**

ANALYSIS

Variability and ultrastructural histochemical localization of sulphates in the salivary glands of rodents and Lagomorpha. Bondi AM, et al. **Acta Histochem (Jena)** 1984; 74(1):61–73

ENZYMOLOGY

Development of an enzyme–linked immunosorbent assay for determination of lysozyme in human parotid and submandibular–sublingual salivas. MacKay BJ, et al. **J Clin Microbiol** 1984 Jun;19(6):844–8

INNERVATION

Response of rat superior salivatory units to chorda tympani stimulation. Eisenman JS. **Brain Res Bull** 1983 Jun; 10(6):811–5
Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Ratus norvegicus B, 1769, Mesocricetus aureatus W. 1839). Part III. Mandibular and sublingual ganglia. Kuder T. **Folia Morphol (Warsz)** 1984;43(1):19–34

METABOLISM

Changes in diamine and polyamine metabolism in the duct–ligated submaxillary and sublingual glands of the rat. Ekström J, et al. **Acta Physiol Scand** 1983 Nov; 119(3):287–92
[3H]mazindol binding associated with neuronal dopamine and norepinephrine uptake sites. Javitch JA, et al. **Mol Pharmacol** 1984 Jul;26(1):35–44

PATHOLOGY

Papillary adenocarcinoma of minor salivary gland origin in a child. Crocker TP, et al. **Arch Otolaryngol** 1983 Dec; 109(12):827–31
Clinicopathologic conferences. Case 51: soft tissue lesion of the sublingual and submandibular region. Laskin JL, et al. **J Oral Maxillofac Surg** 1984 Jul;42(7):453–8
Sublingual gland salivary fistula and sialocele. Bronstein SL, et al. **Oral Surg** 1984 Apr;57(4):357–61
Plunging ranula. McClatchey KD, et al. **Oral Surg** 1984 Apr; 57(4):408–12

PHYSIOLOGY

Effects of submandibularectomy and castration on thymus and spleen weights in male mice. Dean DH, et al. **Experientia** 1983 Dec 15;39(12):1351–2

SECRETION

The chronically reserpinized rat as a model for cystic fibrosis: alterations in the mucus–secreting sublingual gland. Martinez JR, et al. **Pediatr Res** 1983 Jul;17(7):523–8

ULTRASTRUCTURE

Sublingual tumor in a five–year–old boy. Martinez–Peñuela JM, et al. **Ultrastruct Pathol** 1984;6(2–3):233–38

SUBLINGUAL REGION see **MOUTH FLOOR**

SUBLUXATION, LENS see **LENS DISLOCATION AND SUBLUXATION**

SUBMANDIBULAR GLAND

ANALYSIS

Variability and ultrastructural histochemical localization of sulphates in the salivary glands of rodents and Lagomorpha. Bondi AM, et al. **Acta Histochem (Jena)** 1984; 74(1):61–73
Radioimmunoassay of rat submandibular salivary gland mucin. Fleming N, et al. **Arch Oral Biol** 1983;28(5):423–9
Drug modulation of chromosomal protein subtypes during specific phases of the submaxillary cell cycle. Pipkin JL, et al. **Cell Biol Int Rep** 1984 Apr;8(4):279–87
Kidney and submaxillary gland renins are encoded by two non–allelic genes in Swiss mice. Panthier JJ, et al. **EMBO J** 1983;2(5):675–8
Effects of deglycosylation on the architecture of ovine submaxillary mucin glycoprotein. Rose MC, et al. **J Biol Chem** 1984 Mar 10;259(5):3167–72
Nerve growth factor concentration in a congenitally hypothyroid mouse model (hyt/hyt) and its responsivity to thyroxine treatment. Scott SM, et al. **J Dev Physiol** 1983 Dec;5(6):413–8
Sexual dimorphism involving steroidal pheromones and their binding protein in the submaxillary salivary gland of the Göttingen miniature pig. Booth WD. **J Endocrinol** 1984 Feb;100(2):195–202
[Changes in testosterone and dihydrotestosterone in the rat submandibular gland during development] Tarui M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):1013–21 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Beta 1–adrenoceptor mediated salivary gland enlargement in the rat. Ekström J, et al. **Experientia** 1984 Aug 15; 40(8):862–3
A morphologic study of the recovery of the rat submandibular gland after retrograde infusion. II. Lipid–soluble radiographic contrast medium. Qwarnstrom EE, et al. **J Oral Pathol** 1983 Dec;12(6):430–45
A morphologic study of the recovery of the rat submandibular gland after retrograde infusion. I. Water–soluble radiographic contrast medium. Qwarnstrom EE, et al. **J Oral Pathol** 1983 Dec;12(6):417–29
[Quantitative and structural changes in the submaxillary gland of the rat in response to various incisal stimuli] de Sims Sampson GS. **Anat Histol Embryol** 1983 Sep; 12(3):266–77 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

A study of vasoactive intestinal peptide and acetylcholine as possible mediators of vasodilatation in the cat submandibular gland. Karpinski E, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):650–3

[Necrotizing sialometaplasia (salivary gland infarct) of the submandibular gland. A case report] Beer GM, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Oct;62(10):468–70 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Alpha 1-adrenergic inhibition of protein synthesis in rat submandibular cells. Takuma T, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G284–9

Two independently regulated secretory systems within the acini of the submandibular gland of the perinatal rat. Ball WD, et al. **Eur J Cell Biol** 1984 Jan;33(1):112–22

Effect of substance P on exocrine secretion by rat submandibular gland cells. Fleming N, et al. **J Dent Res** 1984 Aug;63(8):1022–7

The effect of chronic isoproterenol administration on the plasma membrane of acinar cells in rat submandibular gland. Sahara N, et al. **J Dent Res** 1984 Aug;63(8):1028–31

Effect of serum from normal and cystic fibrosis subjects on mucin secretion from dispersed rat submandibular cells. Quissell DO, et al. **Pediatr Res** 1983 Nov;17(11):899–902

DRUG EFFECTS

Effects of chronic ethanol feeding on sympathetic innervated organs: temporal sequence of biochemical, functional, and trophic changes. Rubio MC, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):37–41

Studies on large mobile protein appearing in submandibular glands of isoproterenol-treated rats. V. Further studies on some aspects of its formation. Naito Y. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1301–6

Effects of adriamycin on calcium concentration and morphology of mouse salivary glands. Jirakulsomchok D, et al. **J Oral Pathol** 1983 Dec;12(6):491–501

Alpha-1 adrenoceptors mediate secretory responses to norepinephrine in innervated and denervated rat submaxillary glands. Elverdin JC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):261–6

[Effect of atropine on vasodilation induced by parasympathetic stimulation in the rabbit submandibular gland] Fazekas A, et al. **Fogorv Sz** 1983 Jul;76(7):196–8 (Eng. Abstr.) **(Hun)**

[Changes in mouse submaxillary glands after injection of isoproterenol in intact and depancreatized animals] Shubnikova EA, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):355–8 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Immunohistochemistry of tonin in rat submandibular gland during development, lactation and secretion. Zacharatos DT, et al. **Histochemistry** 1983;79(3):433–42

ENZYMOLOGY

Localization of antileukoprotease in the parotid and the submandibular salivary glands. Ohlsson M, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):147–51

A kinetic study of rat salivary gland alkaline phosphatase and its inhibition by cadmium. Chaudhry IM, et al. **Arch Oral Biol** 1983;28(8):741–4

Inhibition of rat salivary gland adenylate cyclase by glycosaminoglycans and high molecular weight polyanions. Cutler LS, et al. **Arch Oral Biol** 1984;29(8):629–33

Effects of zinc deficiency on developmental changes in alkaline phosphatase and carbonic anhydrase activities in the submandibular gland of the rat. Gandor DW, et al. **Arch Oral Biol** 1983;28(7):609–15

Methacholine-stimulated release of benzoyl-arginine-ethylester esterase from mouse submandibular gland cells. Izumi H, et al. **Arch Oral Biol** 1984;29(2):101–5

In-vitro biosynthesis of sulphatoglycosphingolipids by rat submandibular salivary glands. Liau YH, et al. **Arch Oral Biol** 1983;28(11):1001–6

AM1, a glycoprotein from the submandibular glands of the mouse, has esterolytic and amidolytic activities. Nieuw Amerongen AV, et al. **Biochim Biophys Acta** 1984 May 17;786(3):245–51

Specificity of submaxillary gland sialyltransferases. Sherblom AP, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):94–102

Ultrastructural localization of dipeptidyl peptidase IV in rat salivary glands by immunocytochemistry. Sahara N, et al. **Cell Tissue Res** 1984;235(2):427–32

Structure of mouse submaxillary gland renin. Misono KS, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):941–59

Aglycon specificity of fetal calf liver and ovine and porcine submaxillary gland alpha-N-acetylgalactosaminide alpha 2 leads to 6 sialyltransferase. Bergh ML, et al. **Eur J Biochem** 1983 Oct 17;136(1):113–8

Cytochemical glucose-6-phosphatase activity in the cells of mouse pancreas and submandibular gland. Watanabe J, et al. **Histochem J** 1983 Oct;15(10):999–1009

Purification and characterization of one-chain and two-chain renins from mouse submandibular gland. Pratt RE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I101–5

Acidic isozyme of a chymotrypsin-like esteroprotease from mouse submandibular gland. Takuma T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1259–64

The alpha-subunit of mouse 7 S nerve growth factor is an inactive serine protease. Isackson PJ, et al. **J Biol Chem** 1984 May 10;259(9):5380–3

Mouse submaxillary gland renin. Purification and properties of minor forms, which include several differently processed forms of the major gene product and a second gene product. Poe M, et al. **J Biol Chem** 1984 Jul 10; 259(13):8358–62

Development of an enzyme-linked immunosorbent assay for determination of lysozyme in human parotid and submandibular-sublingual salivas. MacKay BJ, et al. **J Clin Microbiol** 1984 Jun;19(6):844–8

Inhibitory effect of androgen on the synthesis of proteinase F in the male mouse submandibular gland. Hosoi K, et al. **J Endocrinol** 1984 Feb;100(2):253–62

Immunocytochemical study of proteinase F in the mouse submandibular gland. Tanaka S, et al. **J Histochem Cytochem** 1984 Jun;32(6):585–92

Amino acid sequence of rat submaxillary tonin reveals similarities to serine proteases. Lazure C, et al. **Nature** 1984 Feb 9–15;307(5951):555–8

Effect of corticosterone and triiodothyronine on (Na+ + K+)-adenosine triphosphatase activity in rat submandibular gland. Bartolomei MS, et al. **Pflugers Arch** 1983 Dec;399(4):255–8

Synthesis of peptides related to the prosegment of mouse submaxillary gland renin precursor: an approach to renin inhibitors. Evin G, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):48–52

Mouse kidney and submaxillary gland renin genes differ in their 5' putative regulatory sequences. Panthier JJ, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5489–93

Biosynthesis of renin: multiplicity of active and intermediate forms. Pratt RE, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6809–13

GROWTH & DEVELOPMENT

The concentration of sodium, potassium and chloride in rabbit submandibular saliva during postnatal development. Reynolds JM, et al. **Arch Oral Biol** 1983;28(9):879–83

IMMUNOLOGY

Mapping of the genes for tubular basement membrane antigen and a submaxillary gland protease in the rat. Matsumoto K, et al. **Immunogenetics** 1984;20(2):117–23

Development of dinitrochlorobenzene contact hypersensitivity in rat submaxillary salivary gland. Mohammad AR. **J Oral Pathol** 1984 Feb;13(1):16–21

INNERVATION

Changes in acetylcholinesterase-positive nerves of the submandibular salivary gland during experimental infection with a protozoon, Trypanosoma cruzi, in rats. Alves JB, et al. **Arch Oral Biol** 1984;29(8):647–51

An electrophysiological study of the postnatal development of the autonomic innervation of the rat submandibular salivary gland. Bottaro B, et al. **Arch Oral Biol** 1984; 29(3):237–42

Effects of varying frequency of parasympathetic nerve stimulation on flow rate and ion concentrations of rat submandibular saliva. Yu JH, et al. **Arch Oral Biol** 1984; 29(7):551–3

Response of rat superior salivatory units to chorda tympani stimulation. Eisenman JS. **Brain Res Bull** 1983 Jun; 10(6):811–5

Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Ratus norvegicus B, 1769, Mesocricetus aureatus W. 1839). Part III. Mandibular and sublingual ganglia. Kuder T. **Folia Morphol (Warsz)** 1984;43(1):19–34

The culture of rat submandibular ganglion neurons and their macroscopic responses to acetylcholine. Gray PT, et al. **Proc R Soc Lond [Biol]** 1983 Dec 22;220(1219):265–71

METABOLISM

Submandibular glands as organs of synthesis and accumulation of insulin-like protein. Shubnikova EA, et al. **Acta Histochem (Jena)** 1984;74(2):157–71

Scanning electron microscopic and X-ray microdiffractometeric studies on sialolith-crystals in human submandibular glands. Yamamoto H, et al. **Acta Pathol Jpn** 1984 Jan;34(1):47–53

Changes in diamine and polyamine metabolism in the duct-ligated submaxillary and sublingual glands of the rat. Ekström J, et al. **Acta Physiol Scand** 1983 Nov; 119(3):287–92

Release of 86Rb from rat submandibular gland slices: relation to sodium pump activity. Stewart DJ, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G484–91

Sialic acid in the submandibular glands of suckling rodents and carnivores. Menghi G. **Anat Anz** 1984;156(1):47–50

Effect of 13-cis retinoic acid on fatty acid composition and membrane-associated enzymes in rat submandibular salivary glands. Alam SQ, et al. **Arch Oral Biol** 1983; 28(6):507–11

Adrenergic regulation of protein synthesis in rat submandibular salivary gland cells. Baum BJ, et al. **Arch Oral Biol** 1984;29(7):499–502

Ouabain-sensitive K+ uptake in submandibular salivary gland slices of rats of different post-natal ages. Martinez JR, et al. **Arch Oral Biol** 1983;28(12):1109–14

Comparison in vitro of the incorporation of D-[2-3H(N)]-mannose and D-[1-14C]-glucosamine into glycoproteins of dispersed rat submandibular salivary gland cells. Quissell DO, et al. **Arch Oral Biol** 1983;28(9):827–31

Evidence against a role for guanosine 3',5'-cyclic monophosphate in rat submandibular salivary gland potassium release. Quissell DO, et al. **Arch Oral Biol** 1983; 28(11):1025–30

Isoprenaline-induced changes in rat parotid and submandibular glands are age- and dosage-dependent. Humphreys-Beher MG. **Biochem J** 1984 Jul 1;221(1):15–20

Influence of autonomic agonists on the in vitro incorporation of [3H]leucine and N-acetyl[14C]mannosamine into submandibular action of the mouse. Nieuw Amerongen AV, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):103–10

Cystic fibrosis serum stimulates mucin secretion but not calcium efflux from rat submandibular acini. McPherson MA, et al. **Clin Chim Acta** 1983 Dec 15;135(2):181–8

The biosynthesis and processing of proteins in the mouse 7S nerve growth factor complex. Darling TL, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:427–34

Effect of gonadectomy and adrenalectomy on steroid hormone content in rat submaxillary gland. Paulo E. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):125–30

Differential effects of testosterone, thyroxine, and cortisol on rat submandibular gland versus renal kallikrein. Chao J, et al. **Endocrinology** 1983 Dec;113(6):2221–5

The chronically isoproterenol-treated rat in the study of cystic fibrosis: X-ray microanalysis of the submandibular gland. Müller RM, et al. **Exp Mol Pathol** 1984 Jun; 40(3):391–400

Sex steroids in the rat submaxillary gland during the estrus cycle. Paulo E. **Experientia** 1984 Apr 15;40(4):396–7

Metabolism of carbohydrate in vitro of the submandibular salivary glands (SMG) from mice injected with isoproterenol. Nicolau J, et al. **Gen Pharmacol** 1983; 14(6):705–8

Progesterone metabolism in the murine submandibular salivary gland. Ferguson MM, et al. **J Dent Res** 1983 Oct; 62(10):1031–2

Adrenergic innervation and noradrenaline content of the rat submandibular gland during the experimental Trypanosoma cruzi infection. Machado CR, et al. **J Neural Transm** 1984; 59(4):289–97

Specific binding of a 125I-labeled substance P analog to rat submaxillary gland. Bahouth SW, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):116–23

Activation of potassium transport induced by secretagogues in superfused submaxillary gland segments of rat and mouse. Katoh K, et al. **J Physiol (Lond)** 1983 Aug; 341:371–85

Characteristics of a cationic amino acid transport system in the basolateral membrane of the cat salivary epithelium. Mann GE, et al. **J Physiol (Lond)** 1984 Jun;351:123–34

Intracellular Cl- activity of canine submandibular gland cells: an in vitro observation. Mori H, et al. **Jpn J Physiol** 1983; 33(5):869–73

Protein production and processing in young adult and aged rat submandibular gland cells in vitro. Baum BJ, et al. **Mech Ageing Dev** 1983 Oct;23(2):123–36

[3H]mazindol binding associated with neuronal dopamine and norepinephrine uptake sites. Javitch JA, et al. **Mol Pharmacol** 1984 Jul;26(1):35–44

Molecular cloning of cDNAs from androgen-independent mRNA species of DBA/2 mouse sub-maxillary glands. Windass JD, et al. **Nucleic Acids Res** 1984 Feb 10; 12(3):1361–76

Effects of substance P on Na and K transport in perfused main submandibular duct of rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):165–7

Effects of cystic fibrosis serum and fibroblast culture medium on ion distribution in rat submandibular gland. von Euler AM, et al. **Ultrastruct Pathol** 1983 Jul;5(1):37–44

[Effects of epinephrine and pilocarpine on oxygen uptake by the isolated submandibular acinar cells of rats treated with isoproterenol] Kawajiri Y, et al. **Nippon Seirigaku Zasshi** 1983 Jun;45(6):279–82 **(Jpn)**

MICROBIOLOGY

Experimental rabies in skunks: mechanisms of infection of the salivary glands. Charlton KM, et al. **Can J Comp Med** 1983 Jul;47(3):363–9

PATHOLOGY

[Salivary lithiasis as a complication of surgically treated Robin syndrome] Naval L, et al. **Rev Stomatol Chir Maxillofac** 1983;84(4):233–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Pleiotropic effect of Tabby gene on epidermal growth factor-containing cells of mouse submandibular gland. Blecher SR, et al. **Anat Rec** 1983 Sep;207(1):25–9

Effects of submandibularectomy and castration on thymus and spleen weights in male mice. Dean DH, et al. **Experientia** 1983 Dec 15;39(12):1351–2

Role of submandibular saliva and epidermal growth factor

in gastric cytoprotection. Olsen PS, et al. **Gastroenterology** 1984 Jul;87(1):103–8

Swelling of the neck caused by the submandibular gland on swallowing. Kronman JH, et al. **Oral Surg** 1984 Feb; 57(2):136–8

Submandibular gland function following transoral sialolithectomy. van den Akker HP, et al. **Oral Surg** 1983 Oct;56(4):351–6

[Effect of the submandibular salivary glands (SSG) on the arterial blood pressure] Maier V. **Eksp Med Morfol** 1984; 23(2):75–82 (Eng. Abstr.) **(Bul)**

[Quantitative and qualitative aspects of the representation of aging curves for the histological composition of the human submandibular gland by empirical regression] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1984;130(3):461–72 (Eng. Abstr.) **(Ger)**

[Experimental studies on regeneration of myoepithelial cells—the rat submandibular gland autografted in the tongue] Ando M. **Hokkaido Igaku Zasshi** 1983 Sep; 58(5):513–27 (Eng. Abstr.) **(Jpn)**

[Effect of methylcobalamine on the processes of posttraumatic regeneration of the salivary glands] Mikhailov VV, et al. **Biull Eksp Biol Med** 1984 Jul; 97(7):95–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Role of submandibular glands and microgranular cells in experimental streptozotocin diabetes in the rat. Benitez-Bribiesca L, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):379–405 **(Eng, Spa)**

RADIATION EFFECTS

Influence of X-ray irradiation on the ultrastructure of rat submandibular gland striated-duct cells. Messelt EB, et al. **Acta Odontol Scand** 1983 Oct;41(5):277–82

Morphologic and histochemical studies on the differing radiosensitivity of ductular and acinar cells of the rat submandibular gland. Abok K, et al. **Virchows Arch [Cell Pathol]** 1984;45(4):443–60

RADIOGRAPHY

Digital subtraction sialography. Gulliotta U, et al. **Eur J Radiol** 1983 Nov;3(4):339–40

SECRETION

Aggression-provoked huge release of submaxillary mouse renin to saliva. Pedersen EB, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):510–2

Vasoactive intestinal peptide evoked secretion of fluid and protein from rat salivary glands and the development of supersensitivity. Ekström J, et al. **Acta Physiol Scand** 1983; 119(2):169–75

Effect of transport inhibitors on secretion by perfused rat submandibular gland. Martinez JR, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G711–6

Salivary secretion induced from isolated, perfused rat submandibular glands by sympathomimetic agents. Martinez JR, et al. **Arch Oral Biol** 1983;28(12):1101–8

Release of kallikrein-like esterase and tonin from dispersed cells of the rat submandibular gland. Izumi H. **Br J Pharmacol** 1984 May;82(1):175–82

The dependence of fluid secretion by mandibular salivary gland and pancreas on extracellular calcium. Hunter M, et al. **Cell Calcium** 1983 Oct;4(4):307–17

Submandibular gland secretory function in young adult and aged rats. Bodner L, et al. **Comp Biochem Physiol [A]** 1984; 77(2):235–8

Effects of ouabain and furosemide on saliva secretion induced by sympathomimetic agents in isolated, perfused rat submandibular glands. Martinez JR, et al. **Experientia** 1984 Jun 15;40(6):557–9

Saliva secretion from the rat submandibular gland after retrograde infusion of radiographic contrast media. Qwarnstrom E, et al. **J Dent Res** 1984 May;63(5):614–7

The anionic basis of fluid secretion by the rabbit mandibular salivary gland. Case RM, et al. **J Physiol (Lond)** 1984 Apr; 349:619–30

Stimulation of amylase and sialic acid releases from dog submandibular gland slices by pilocarpine or high K+ medium: a possible role of calmodulin for their releases. Komabayashi T, et al. **Jpn J Physiol** 1983;33(6):921–30

Secretory activity of salivary gland slices in the presence of polyols. Mäkinen KK, et al. **Proc Finn Dent Soc** 1983; 79(5–6):218–23

The regulation of parotid and submandibular salivary secretion in sheep. Carr DH. **Q J Exp Physiol** 1984 Jul; 69(3):587–97

Composition of secretion from the submandibular salivary gland in the rat. Rigby M, et al. **Q J Exp Physiol** 1984 Jan;69(1):41–8

Role of alpha and beta adrenoceptors on the salivary secretion in the mandibular gland of the rabbit. Moreno M, et al. **Rev Esp Fisiol** 1984 Mar;40(1):11–4

Effect of sympathetic stimulation on salivary secretion in submandibular gland in the rabbit stimulated by pilocarpine. Moreno M, et al. **Rev Esp Fisiol** 1984 Mar;40(1):15–8

[Phosphohexose isomerase activity in parotid and submandibular saliva as a parameter in the diagnosis of chronic sialadenitis] Maier H, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Aug;62(8):383–5 (Eng. Abstr.) **(Ger)**

[Radionuclide study of salivary gland function in diabetes mellitus] Dobrovol'skaia LP. **Vrach Delo** 1984 Jun;(6):88–92 (Eng. Abstr.) **(Rus)**

SURGERY

Histopathologic studies of DMBA-induced mouse submandibular-gland tumors with or without cryoprobe treatment. Takai Y, et al. **J Oral Pathol** 1984 Aug; 13(4):419–28

TRANSPLANTATION

Transplantation of the submandibular duct associated with resection for carcinoma. Stimson CW, et al. **Oral Surg** 1983 Aug;56(2):136–40

ULTRASTRUCTURE

Freeze-fracture surface of salivary glands of rat observed by scanning electron microscopy. Espinal EG, et al. **Acta Anat (Basel)** 1983;117(1):15–20

Polyploidy and nuclear phenotypes in salivary glands of the rat. Vidal BC. **Biol Cell** 1984;50(2):137–45

Fine structure of submandibular glands of mice with testicular feminization (Tfm/Y). Matsuura S, et al. **Cell Tissue Res** 1984;235(2):295–301

SUBMANDIBULAR GLAND DISEASES see under **SALIVARY GLAND DISEASES**

SUBMANDIBULAR GLAND NEOPLASMS see under **SALIVARY GLAND NEOPLASMS**

SUBMARINE MEDICINE

see related
SEALED CABIN ECOLOGY

Medical diagnosis aboard submarines. Use of a computer-based Bayesian method of analysis in an abdominal pain diagnostic program. Osborne SF. **J Occup Med** 1984 Feb;26(2):110–4

A computer-based diagnostic/patient management system for isolated environments. Robinson KD, et al. **Methods Inf Med** 1983 Jul;22(3):131–4

Program and abstracts: Undersea Medical Society annual scientific meeting. May 29–June 2, 1984, San Antonio, Texas. **Undersea Biomed Res** 1984 Mar;11(1 Suppl):1–52

SUBMAXILLARY GLAND see **SUBMANDIBULAR GLAND**

SUBMERSION see **IMMERSION**

SUBMITOCHONDRIAL PARTICLES see under **MITOCHONDRIA**

SUBMUCOUS PLEXUS

ANATOMY & HISTOLOGY

Fluorescence microscopic study of the architecture and structure of an adrenergic network in the plexus myentericus (Auerbach), plexus submucosus externus (Schabadasch) and plexus submucosus internus (Meissner) of the porcine small intestine. Scheuermann DW, et al. **Acta Anat (Basel)** 1984;119(1):49–59

CYTOLOGY

[Neuronal activity of microganglia of the vena cava orifice] Altukhov OA, et al. **Fiziol Zh SSSR** 1984 Apr;70(4):430–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Slow excitatory synaptic potentials recorded from neurones of guinea-pig submucous plexus. Surprenant A. **J Physiol (Lond)** 1984 Jun;351:343–61

Two types of neurones lacking synaptic input in the submucous plexus of guinea-pig small intestine. Surprenant A. **J Physiol (Lond)** 1984 Jun;351:363–78

ULTRASTRUCTURE

[Ultrastructure of diabetic autonomic neuropathy of the gastrointestinal tract] Schmidt H, et al. **Klin Wochenschr** 1984 May 2;62(9):399–405 (Eng. Abstr.) **(Ger)**

SUBPHRENIC ABSCESS

[Subdiaphragmatic abscess] Zaitsev VT, et al. **Klin Khir** 1984 Jan;(1):59–61 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

An unusual presentation of carcinoma of the colon in a child. A case report. Heydenrych JJ, et al. **S Afr Med J** 1984 Apr 14;65(15):617–8

DIAGNOSIS

Intradiaphragmatic abscess. Farquharson SM. **J R Coll Surg Edinb** 1984 Mar;29(2):117–8

ETIOLOGY

Subphrenic abscess and salmonellosis. Kumar LD, et al. **J R Coll Surg Edinb** 1983 Nov;28(6):409–10

RADIOGRAPHY

When is a stomach bubble not a stomach bubble? Answer: when it is an abscess! Li JT. **NC Med J** 1984 May; 45(5):329–30

RADIONUCLIDE IMAGING

Ga-67 uptake post cesarean section. López OL, et al. **Clin Nucl Med** 1984 Feb;9(2):103–4

Liver-lung imaging—discontinuity of activity in liver-lung scintigraphy. Lecklitner ML. **Semin Nucl Med** 1983 Oct; 13(4):391–2

SURGERY

Eclectic drainage of subphrenic abscesses. Serrano A, et al. **Arch Surg** 1984 Aug;119(8):942–5

Percutaneous drainage of a left subphrenic abscess through a polycystic liver. Manco LG. **JCU** 1984 May;12(4):222–4

Subphrenic abscess. van der Sluis RF. **Surg Gynecol Obstet** 1984 May;158(5):427–30

[Results of percutaneous abscess drainage] Dähnert W, et al. **ROFO** 1983 Oct;139(4):400–7 (Eng. Abstr.) **(Ger)**

THERAPY

[Percutaneous drainage of a subphrenic abscess under echographic control (letter)] Marchetti FA, et al. **Medicina (B Aires)** 1983;43(4):475–6 **(Spa)**

SUBSIDIES, EDUCATIONAL see **TRAINING SUPPORT**

SUBSIDIES, GOVERNMENT see **FINANCING, GOVERNMENT**

SUBSIDIES, HEALTH PLANNING see **HEALTH PLANNING SUPPORT**

SUBSIDIES, RESEARCH see **RESEARCH SUPPORT**

SUBSTANCE ABUSE

see related
DRUG AND NARCOTIC CONTROL

Multiple mycotic pulmonary artery aneurysms secondary to intravenous drug abuse. SanDretto MA, et al. **AJR** 1984 Jan;142(1):89–90

Rhinitis medicamentosa. Conceptualization, incidence, and treatment. Fleece L, et al. **Ala J Med Sci** 1984 Apr; 21(2):205–8 (14 ref.)

Jimsonweed intoxication in adolescents and young adults. Klein-Schwartz W, et al. **Am J Dis Child** 1984 Aug; 138(8):737–9

Deep vein thrombosis in intravenous drug abusers presenting as a systemic illness. Kurtin P, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):44–5

Resources on substance abuse. Bohach C. **Am Pharm** 1983 Dec;NS23(12):59–64

Addiction and anesthesiology. Spiegelman WG, et al. **Anesthesiology** 1984 Apr;60(4):335–41

Group B streptococcal meningitis in an intravenous drug abuser. Feltoon A, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):739–42

A perspective from the United Nations. Ling G. **Ann Ist Super Sanita** 1982;18(4):695–7

International challenge of drug abuse. The state of the arts. Rexed B. **Ann Ist Super Sanita** 1982;18(4):691–3

Intracerebral hemorrhage and vasculitis related to ephedrine abuse [letter] Nadeau SE. **Ann Neurol** 1984 Jan;15(1):114–5

Aspergillus endophthalmitis in an intravenous drug user. Wilmarth SS, et al. **Ann Ophthalmol** 1983 May;15(5):470–2, 74–6

Twice-daily intramuscular ceforanide therapy of Staphylococcus aureus endocarditis in parenteral drug abusers. Greenman RL, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):16–9

Addiction to aerosol treatment [letter] **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1877

Anticholinergic drug abuse: a common problem? Pullen GP, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):612–3

Addiction to aerosol treatment [letter] Raine JM. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):241

Addiction to aerosol treatment: the asthmatic alternative to glue sniffing. Thompson PJ, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1515–6

Measures to assess drug abuse and the health, social and economic consequences of such abuse: summary of information from 21 countries. United Nations Secretariat. **Bull Narc** 1983 Jul–Sep;35(3):19–32

Capillary sclerosis of the urinary tract and analgesic nephropathy. Mihatsch MJ, et al. **Clin Nephrol** 1983 Dec; 20(6):285–301

Abuse potential of halazepam and of diazepam in patients recently treated for acute alcohol withdrawal. Jaffe JH, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):623–30

Drug abuse. Its relationship to dental practice. Aston R. **Dent Clin North Am** 1984 Jul;28(3):595–610

(—)-alpha-Acetylmethadol effects on alcohol and diazepam use, sexual function and cardiac function. Hargreaves WA,

et al. **Drug Alcohol Depend** 1983 Dec;12(4):323–32
Drugs and homicide: a theory. Senay EC, et al. **Drug Alcohol Depend** 1983 Oct;12(2):157–66
Drug abuse by older adults—who is responsible? Lamy PP. **Drug Intell Clin Pharm** 1983 Sep;17(9):657–9
Myonecrosis induced by drug overdose: pathogenesis, clinical aspects and radiological manifestations. Vukanovic S, et al. **Eur J Radiol** 1983 Nov;3(4):314–8
A fatal methamphetamine poisoning associated with hyperpyrexia. Kojima T, et al. **Forensic Sci Int** 1984 Jan; 24(1):87–93
The pharmacology of khat. Kalix P. **Gen Pharmacol** 1984; 15(3):179–87 (68 ref.)
Why drug policy is so harsh. Bakalar JB, et al. **Hastings Cent Rep** 1983 Aug;13(4):34–9
Can pleasure be bad for you? Brock DW. **Hastings Cent Rep** 1983 Aug;13(4):30–4
California licenses new, freestanding chemical dependency hospital. **Hospitals** 1984 Sep 16;58(18):87–8
Steroid addction: a complication of use and abuse of steroids in herpes simplex keratitis. Jain IS, et al. **Indian J Ophthalmol** 1983 Jul;31(4):413–5
Comparative study of the personality correlates and nature of drug abuse in schools and colleges. Agrawal RK, et al. **Indian J Pediatr** 1982 Sep–Oct;49(400):671–9
Drug abuse–social problem as perceived in rural community—a sociological study in border districts of Punjab. Darshan SI, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):44–54
Evaluation of drug counselor training: a pilot study. Tierney DO, et al. **Int J Addict** 1983 May;18(4):511–21
Biological and psychological effects—clinical and laboratory research findings. Nicholi AM Jr. **J Am Coll Health** 1984 Jun;32(6):258–61
Hepatic dysfunction due to intravenous abuse of methylphenidate hydrochloride. Mehta H, et al. **J Clin Gastroenterol** 1984 Apr;6(2):149–51
The room search. Plumeri PA. **J Clin Gastroenterol** 1984 Apr;6(2):181–5
Liquid chromatographic analysis of promethazine and its major metabolites in human postmortem material. Allender WJ, et al. **J Forensic Sci** 1984 Apr;29(2):515–26
Perceptions of patients by emergency room staff: substance-abusers versus non-substance-abusers. Biener L. **J Health Soc Behav** 1983 Sep;24(3):264–75
Evaluating alcoholism and drug abuse knowledge in medical education: a collaborative project. Griffin JB Jr, et al. **J Med Educ** 1983 Nov;58(11):859–63
Unprescribed use of antibiotics in common childhood infections. Cunningham DG, et al. **J Pediatr** 1983 Nov; 103(5):747–9
Comparison of diazepam and oxazepam: preference, liking and extent of abuse. Griffiths RR, et al. **J Pharmacol Exp Ther** 1984 May;229(2):501–8
Postgraduate substance abuse teaching: cognitive knowledge before and long after a required course. Cushman P Jr. **J Psychoactive Drugs** 1983 Jul–Sep;15(3):221–3
Drug-taking paraphernalia. Montagne M. **J Psychoactive Drugs** 1983 Jul–Sep;15(3):159–75
Recreational use of ergoline alkaloids from Argyreia nervosa. Shawcross WE. **J Psychoactive Drugs** 1983 Oct–Dec; 15(4):251–9 (52 ref.)
Hooked on radio. Webb P. **J R Soc Health** 1983 Oct; 103(5):174–80
Substance misuse training in graduate psychology programs. Schlesinger SE. **J Stud Alcohol** 1984 Mar;45(2):131–7
Metronidazole and alcohol—potential for combinative abuse. Giannini AJ, et al. **J Toxicol Clin Toxicol** 1983 Jul; 20(5):509–15
Plasmapheresis in thyroxine overdose: a case report. May ME, et al. **J Toxicol Clin Toxicol** 1983 Jul;20(5):517–20
The effect and abuse syndrome of Ginseng. Chen KJ. **J Tradit Chin Med** 1981 Sep;1(1):69–72
Abuse of inhalation anesthetics [letter] Bass M. **JAMA** 1984 Feb 3;251(5):604
Use of anabolic steroids by athletes [letter] Johnson DA. **JAMA** 1984 Mar 16;251(11):1430–1
Use of prophylactic antibiotics by drug abusers [letter] Schaffer SR, et al. **JAMA** 1984 Sep 21;252(11):1410
Khat-induced schizophreniform psychosis in UK [letter] **Lancet** 1984 Feb 25;1(8374):455
Inhaled salbutamol: a new form of drug abuse? [letter] Brennan PO. **Lancet** 1983 Oct 29;2(8357):1030–1
Convulsions and cerebral oedema associated with zipeprol abuse [letter] Perraro F, et al. **Lancet** 1984 Jan 7; 1(8367):45–6
Corticosteroid abuse—an unusual manifestation of drug dependence. Flavin DK, et al. **Mayo Clin Proc** 1983 Nov; 58(11):764–6
Dystonic reaction to azatadine [letter] Joske DJ. **Med J Aust** 1984 Sep 29;141(7):449
A case of buprenorphine abuse. Quigley AJ, et al. **Med J Aust** 1984 Mar 31;140(7):425–6
Abuse of APF Linctus Codeine and cardiac glycoside toxicity [letter] Seow SS. **Med J Aust** 1984 Jan 7;140(1):54
Use and abuse of antibiotics [letter] Wooller HO. **Med J Aust** 1984 Mar 17;140(6):382
Outbreak of Jimson Weed abuse among Marine Corps personnel at Camp Pendleton. O'Grady TC, et al. **Milit Med** 1983 Sep;148(9):732–4
Fentanyl citrate abuse among health care professionals. Silsby HD, et al. **Milit Med** 1984 Apr;149(4):227–8
Doctors—the duped drug suppliers. Part II. Hunziker C. **Minn Med** 1984 Jan;67(1):31
Street-drug contaminant causing parkinsonism. **MMWR** 1984 Jun 22;33(24):351–2
Loxapine abuse [letter] Sperry L, et al. **N Engl J Med** 1984 Mar 1;310(9):598
Chronic parkinsonism secondary to intranasal administration of a product of meperidine-analogue synthesis [letter] Wright JM, et al. **N Engl J Med** 1984 Feb 2;310(5):325
US soldiers' drug use: dispute about diagnostic testing [news] Budiansky S. **Nature** 1983 Dec 15–21;306(5944):630
Fentanyl [letter] Hicks SL. **NC Med J** 1984 Jul;45(7):475–6
Pentazocine abuse masquerading as familial myopathy. Choucair AK, et al. **Neurology (NY)** 1984 Apr;34(4):524–7
Phencyclidine abuse in New Zealand. Fisher RB, et al. **NZ Med J** 1984 Sep 12;97(763):607–10
Temgesic abuse [letter] Harper I. **NZ Med J** 1983 Oct 12; 96(741):777
Drugs and the human factor. A second look. **Ohio State Med J** 1983 Aug;79(8):563–605
Substance abuse research in monkey social groups. Crowley TJ. **Prog Clin Biol Res** 1983;131:255–75
Prediction of abuse liability of drugs using IV self-administration by rats. Collins RJ, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):6–13
Intravenous drug users and the acquired immune deficiency syndrome. Ginzburg HM. **Public Health Rep** 1984 Mar–Apr;99(2):206–12
The troubled teen: suicide, drug use, and running away. Sommer B. **Women Health** 1984 Summer–Fall; 9(2–3):117–41
[Benzodiazepines; a pharmacotherapeutic hangover] Offerhaus L. **Ned Tijdschr Geneeskd** 1984 Apr 28; 128(17):817–9 **(Dut)**
[Chloroform poisoning in a young drug consumer. Analysis and distribution of chloroform in human body] Iffland R, et al. **Arch Toxicol** 1983 Aug;53(4):289–95 (Eng. Abstr.) **(Ger)**
[False emancipation, our diseases and tranquilizers; 1968 and their consequences] Kornhuber HH. **Lebensversicherungsmedizin** 1984 Mar 22;36(3):46–9 (Eng. Abstr.) **(Ger)**
[Drug abuse. Quality control program] Ferrara SD, et al. **Ann Ist Super Sanita** 1982;18(4):727–33 (Eng. Abstr.) **(Ita)**
[Drugs of abuse and street accidents in Italy] Ferrara SD, et al. **Ann Ist Super Sanita** 1982;18(4):769–74 (Eng. Abstr.) **(Ita)**
[Hepatic lipofuscinosis caused by phenacetin abuse] Faravelli A, et al. **Pathologica** 1983 Sep–Oct;75(1039):735–8 (Eng. Abstr.) **(Ita)**
[Extraction of methamphetamine and amphetamine in blood and urine by Extrelut column] Une I, et al. **Nippon Hoigaku Zasshi** 1983 Feb;37(1):63–6 (Eng. Abstr.) **(Jpn)**
[A case of hemolytic anemia due to phenacetin abuse] Shibuya T, et al. **Rinsho Ketsueki** 1984 May;25(5):692–8 (Eng. Abstr.) **(Jpn)**
[Drug and alcohol education among secondary school pupils. An evaluation study in Akershus] Lavik NJ, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1112–6 (Eng. Abstr.) **(Nor)**
[Use of psychostimulants and energizing drugs by university students] Gorenstein C, et al. **AMB** 1983 Mar–Apr; 29(3–4):45–6 (Eng. Abstr.) **(Por)**
[Opiate poisoning. Cases, complications and treatment] Cerdeño Impuesto V, et al. **Rev Clin Esp** 1984 Jan 31; 172(2):103–7 (Eng. Abstr.) **(Spa)**

BLOOD

Methadone plasma levels and persistent drug abuse in high dose maintenance patients. Tennant FS Jr, et al. **Subst Alcohol Actions Misuse** 1983;4(5):369–74

CLASSIFICATION

Diagnosis and classification of mental disorders and alcohol- and drug-related problems: a research agenda for the 1980s. **Psychol Med** 1983 Nov;13(4):907–21

COMPLICATIONS

Complications of hazardous weight-loss methods. Sansone RA. **Am Fam Physician** 1984 Aug;30(2):141–6
Talcosis in AIDS victims? [letter] Brauner D, et al. **Am J Clin Pathol** 1984 Jan;81(1):145
Investigation of drug-related deaths. An overview. Wetli CV. **Am J Forensic Med Pathol** 1984 Jun;5(2):111–20
Accelerated development of pulmonary complications due to illicit intravenous use of pentazocine and tripelennamine. Itkonen J, et al. **Am J Med** 1984 Apr;76(4):617–22
The visual-evoked potential in tobacco-alcohol and nutritional amblyopia [letter] Freeman AG. **Am J Ophthalmol** 1984 Jan;97(1):110–2
Paranoia, homicidal behavior, and seizures associated with phenylpropanolamine. Cornelius JR, et al. **Am J Psychiatry** 1984 Jan;141(1):120–1
Isosafrole and schizophrenia-like psychosis. Keitner GI, et al. **Am J Psychiatry** 1984 Aug;141(8):997–8
Infections in parenteral drug abusers. Further immunologic studies. Orangio GR, et al. **Am J Surg** 1983 Dec; 146(6):738–41
Methamphetamine abuse presenting as dysuria following urethral insertion of tablets. Ellison JM, et al. **Ann Emerg Med** 1984 Mar;13(3):198–200
Sudden death from toluene abuse [letter] Kirk LM, et al. **Ann Emerg Med** 1984 Jan;13(1):68–9
Central-nervous-system toxoplasmosis in homosexual men and parenteral drug abusers. Wong B, et al. **Ann Intern Med** 1984 Jan;100(1):36–42
Conjunctival and episcleral injection in drug abuse. Isaak BL, et al. **Ann Ophthalmol** 1983 Sep;15(9):806–7
LSD flashbacks [letter] Hoffman JA. **Arch Gen Psychiatry** 1984 Jun;41(6):631–2
LSD and schizophrenia [letter] Weaver KE. **Arch Gen Psychiatry** 1984 Jun;41(6):631
Pulmonary infiltrates following butane 'fire-breathing'. Cartwright TR, et al. **Arch Intern Med** 1983 Oct; 143(10):2007–8
Subarachnoid hemorrhage precipitated by cocaine snorting. Lichtenfeld PJ, et al. **Arch Neurol** 1984 Feb;41(2):223–4
Self-mutilation under combined inferior dental block and solvent intoxication? Gilmour AG, et al. **Br Dent J** 1984 Jun 23;156(12):438–9
Disseminated candidiasis: evidence of a distinctive syndrome in heroin abusers. Collignon PJ, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):861–2
Deep neck abscesses secondary to methylphenidate (Ritalin) abuse. Zemplenyi J, et al. **Head Neck Surg** 1984 Mar–Apr; 6(4):858–60
Soft tissue infections in drug abusers presenting to an accident and emergency department. Fullarton GM. **Health Bull (Edinb)** 1983 Nov;41(6):296–9
Infectious complications of illicit drug use. Blanck RR, et al. **Int J Addict** 1984 Apr;19(2):221–32
Chronic active hepatitis in intravenous drug abusers may be delta agent infection associated. Shattock AG, et al. **Ir J Med Sci** 1984 Jan;153(1):17–9
Non-A non-B hepatitis in parenteral drug abusers. Fielding JF, et al. **Ir Med J** 1983 Oct;76(10):414–5
Cutaneous skin changes probably due to pyridoxine abuse [letter] Baer RL. **J Am Acad Dermatol** 1984 Mar; 10(3):527–8
Cocaine abuse and connective tissue disease [letter] Trozak DJ, et al. **J Am Acad Dermatol** 1984 Mar;10(3):525
Oliguria and left upper limb weakness. Acharya VN, et al. **J Assoc Physicians India** 1983 Aug;31(8):539–41
Nitrous oxide-induced myeloneuropathy. Lunsford JM, et al. **J Foot Surg** 1983 Fall;22(3):222–5
Endocarditis caused by Staphylococcus xylosus associated with intravenous drug abuse. Conrad SA, et al. **J Infect Dis** 1984 May;149(5):826–7
Prolonged incubation period of AIDS in intravenous drug abusers: epidemiological evidence in prison inmates. Hanrahan JP, et al. **J Infect Dis** 1984 Aug;150(2):263–6
Pulmonary 'mainline' granulomatosis: talcosis secondary to intravenous heroin abuse with characteristic x-ray findings of asbestosis. Davis LL. **J Natl Med Assoc** 1983 Dec; 75(12):1225–8
Impaired brain functions due to diazepam and meprobamate abuse in a 53-year-old-male. Brooker AE, et al. **J Nerv Ment Dis** 1984 Aug;172(8):498–501
Gasoline injection. Layton TR, et al. **J Toxicol Clin Toxicol** 1983–84;21(3):409–12
Tissue injuries associated with parenteral propylhexedrine abuse. Mancusi-Ungaro HR Jr, et al. **J Toxicol Clin Toxicol** 1983–84;21(3):359–72
Hepatic toxicity from disinfectant abuse. Morse JM, et al. **JAMA** 1984 Oct 12;252(14):1904
Nonmedical use of butorphanol and diphenhydramine [letter] Smith SG, et al. **JAMA** 1984 Aug 24–31;252(8):1010
Substance abuse in schizophrenia [letter] Weller MP, et al. **Lancet** 1984 Mar 10;1(8376):573
Codeine linctus and myopathy [letter] Curry KH, et al. **Med J Aust** 1984 Feb 18;140(4):247
Abuse of a fire-extinguishing agent and sudden death in adolescents. Steadman C, et al. **Med J Aust** 1984 Jul 21; 141(2):115–7
Adverse effects of cocaine abuse. **Med Lett Drugs Ther** 1984 May 25;26(662):51–2
Fulminant hepatitis B among parenteral drug abusers—Kentucky, California. **MMWR** 1984 Feb 17; 33(6):70, 76–7
Sensory neuropathy from pyridoxine abuse [letter] **N Engl J Med** 1984 Jan 19;310(3):197–8
More on neuropathy from pyridoxine abuse [letter] Berger A, et al. **N Engl J Med** 1984 Oct 11;311(15):986–7
Bilateral internuclear ophthalmoplegia from doxepin overdose [letter] Donhowe SP. **Neurology (NY)** 1984 Feb; 34(2):259
Lobar intracerebral hematomas [letter] Harrington H, et al. **Neurology (NY)** 1984 Jan;34(1):133–4
Analgesic dilemma in chronic hemodialysis patients. Keller F, et al. **Pain** 1983 Sep;17(1):99–101
Drug abuse in migraine patients. Langemark M, et al. **Pain** 1984 May;19(1):81–6
Effect of exposure to high concentrations of toluene on ethanol preference of laboratory rats. Geller I, et al. **Pharmacol Biochem Behav** 1983 Dec;19(6):933–7
Intracerebral haemorrhage and vasculitis secondary to amphetamine use. Salanova V, et al. **Postgrad Med J** 1984 Jun;60(704):429–30
Ultrasonic findings in analgesic nephropathy. Weber M, et al. **Proc Eur Dial Transplant Assoc** 1983;20:669–74
Amphetamine-induced acute renal failure. Foley RJ, et al.

South Med J 1984 Feb;77(2):258–60
Adolescent abuse of typewriter correction fluid. Greer JE. South Med J 1984 Mar;77(3):297–8, 301
Candida albicans meningitis in a parenteral drug abuser. Kantor HL, et al. South Med J 1984 Mar;77(3):404–5
Excessive phenylpropanolamine ingestion followed by subarachnoid hemorrhage [letter] Mesnard B, et al. South Med J 1984 Jul;77(7):939
Abuse of antibiotics by abusers of parenteral heroin or cocaine. Novick DM, et al. South Med J 1984 Mar; 77(3):302–3
Management of an infected aneurysm of the groin secondary to drug abuse. Feldman AJ, et al. Surg Gynecol Obstet 1983 Dec;157(6):519–22
[Interstitial nephritis as a result of analgesic abuse] Duchosal M. Rev Med Suisse Romande 1984 Apr;104(4):323–7 (Fre)
[Spongiform leukodystrophy following drug abuse] Haan J, et al. Nervenarzt 1983 Sep;54(9):489–90 (Ger)
[Relation between alcohol abuse and the prevalence of sexually-transmitted diseases] Markowska-Bernaczyk D, et al. Przegl Dermatol 1983 Mar-Apr;70(2):185–91 (Eng. Abstr.) (Pol)

DIAGNOSIS

Driving and the combined use of drugs and alcohol in The Netherlands. Neuteboom W, et al. Forensic Sci Int 1984 Jun;25(2):93–104
Nails as useful materials for detection of methamphetamine or amphetamine abuse. Suzuki O, et al. Forensic Sci Int 1984 Jan;24(1):9–16
The nature and extent of benzodiazepine abuse: an overview of recent literature. Dietch J. Hosp Community Psychiatry 1983 Dec;34(12):1139–45
The value of expanded medication histories for psychiatric inpatients. Stewart RB, et al. Hosp Community Psychiatry 1983 Aug;34(8):742–3
Reliability and consistency in self-reports of drug use. O'Malley PM, et al. Int J Addict 1983 Aug;18(6):805–24
Drugs and driving: a systematic analytical approach. Crouch DJ, et al. J Forensic Sci 1983 Oct;28(4):945–56
Detection of drugs in saliva of impaired drivers. Peel HW, et al. J Forensic Sci 1984 Jan;29(1):185–9
The analysis of metronidazole in human serum: an unusual overdose case. Siegel JA, et al. J Forensic Sci 1984 Apr; 29(2):639–43
Hypokalaemia: Bartter's syndrome or pseudo-Bartter's syndrome? Robb JD, et al. J R Soc Med 1984 May; 77(5):384–5
Olympics drug testing: basis for future study [news] Gunby P. JAMA 1984 Jul 27;252(4):454–5, 459–60
Screening for substance abuse in a primary care setting. Chychula NM. Nurse Pract 1984 Jul;9(7):15–24
[Raids into gastroenterology] Mathus-Vliegen EM, et al. Ned Tijdschr Geneeskd 1984 Jan 28;128(4):145–7 (Dut)
[Morphologic determination of abuse of phenacetin-containing analgesics] Markwalder C. Beitr Gerichtl Med 1983;41:63–6 (Eng. Abstr.) (Ger)
[Clinico-toxicological analysis of acute somnifacient drug poisoning] Külpmann WR. Internist (Berlin) 1984 Jan; 25(1):60–7 (50 ref.) (Ger)

DRUG THERAPY

Quality control program in the USA. Mulè SJ. Ann Ist Super Sanita 1982;18(4):705–11
Bromo-DMA: the Australasian hallucinogen? Buhrich N, et al. Aust NZ J Psychiatry 1983 Sep;17(3):275–9

ETIOLOGY

Four cases of clonidine abuse. Schaut J, et al. Am J Psychiatry 1983 Dec;140(12):1625–7
Illicit use of modern volatile anaesthetics. Yamashita M, et al. Can Anaesth Soc J 1984 Jan;31(1):76–9
Drug abuse and the asthmatic patient: a case report. Szefler SJ, et al. J Allergy Clin Immunol 1984 Aug;74(2):201–4
Causes and remedies for drug misuse and abuse by athletes. Ryan AJ. JAMA 1984 Jul 27;252(4):517–9
Self-injury: toward a biological basis. Jones IH. Perspect Biol Med 1982 Autumn;26(1):137–50 (43 ref.)

FAMILIAL & GENETIC

Familial and personal correlates (risk factors) of drug consumption among German youth. Malhotra MK. Acta Paedopsychiatr (Basel) 1983 Oct;49(5):199–209
Relationships between adolescent drug use and parental drug behaviors. Johnson GM, et al. Adolescence 1984 Summer; 19(74):295–9
The relationship of parental drug use and parents' attitude concerning adolescent drug use to adolescent drug use. McDermott D. Adolescence 1984 Spring;19(73):89–97
Father absence and adolescent 'problem behaviors': alcohol consumption, drug use and sexual activity. Stern M, et al. Adolescence 1984 Summer;19(74):302–12

HISTORY

Soma and psyche [editorial] Lader MH. Br Med J [Clin Res] 1983 Dec 24–31;287(6409):1906–8
Historical perspective—the long and colorful history of Erythoxylon coca. Nicholi AM Jr. J Am Coll Health 1984 Jun;32(6):252–7
Images of cocaine [letter] Thornton EM. Lancet 1984 Jan 7;1(8367):46
[Sigmund Freud and cocaine] Lebzeltern G. Wien Klin Wochenschr 1983 Nov 11;95(21):765–9 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Altered T-lymphocyte subsets in hospitalized intravenous drug abusers. Layon J, et al. Arch Intern Med 1984 Jul; 144(7):1376–80
Prevalence of antibody to lymphadenopathy-associated virus among drug-detoxification patients in New York [letter] Spira TJ, et al. N Engl J Med 1984 Aug 16;311(7):467–8

LEGISLATION & JURISPRUDENCE

Curbing drug abuse in Iowa: one response to a growing problem. Quinn KM. Bull Narc 1983 Apr-Jun;35(2):95–101

METABOLISM

[A study on the metabolism of methamphetamine in its abusers] Une I. Nippon Hoigaku Zasshi 1983 Dec; 37(6):814–22 (Eng. Abstr.) (Jpn)

MORTALITY

Descriptive epidemiology of mortality in New Jersey due to combinations of codeine and glutethimide. Feuer E, et al. Am J Epidemiol 1984 Feb;119(2):202–7
The frequency of deaths resulting from the use of drugs and chemicals in Los Angeles County. Budd RD, et al. Bull Narc 1983 Jan-Mar;35(1):41–9
Death caused by recreational cocaine use. An update. Mittleman RE, et al. JAMA 1984 Oct 12;252(14):1889–93
Fatality caused by inhalation of 'liquid paper' correction fluid [letter] Banathy LJ, et al. Med J Aust 1983 Dec 10–24; 2(12):606
Heroin-related deaths: new epidemiologic insights. Ruttenber AJ, et al. Science 1984 Oct 5;226(4670):14–20
[Drug abuse and death in Italy] Montagna M, et al. Ann Ist Super Sanita 1982;18(4):801–4 (Eng. Abstr.) (Ita)

OCCURRENCE

Patterns of drug use from adolescence to young adulthood: I. Periods of risk for initiation, continued use, and discontinuation. Kandel DB, et al. Am J Public Health 1984 Jul;74(7):660–6
The natural history of adolescent drug use [editorial] Robins LN. Am J Public Health 1984 Jul;74(7):656–7
Patterns of drug use from adolescence to young adulthood: III. Predictors of progression. Yamaguchi K, et al. Am J Public Health 1984 Jul;74(7):673–81
Patterns of drug use from adolescence to young adulthood: II. Sequences of progression. Yamaguchi K, et al. Am J Public Health 1984 Jul;74(7):668–72
Drug use by junior high and high school students [letter] Schwartz R. Arch Otolaryngol 1983 Dec;109(12):836
Objective determination of benzodiazepine use and abuse in alcoholics. Busto U, et al. Br J Addict 1983 Dec; 78(4):429–35
The correlates of serious alcohol-related consequences and illicit drug use amongst a cohort of Scottish teenagers. Plant MA, et al. Br J Addict 1984 Jun;79(2):197–200
Mapping the severity of alcohol and drug problems in Ontario. Adrian M. Can J Public Health 1983 Sep-Oct; 74(5):335–42
Drug abuse and affluence in five countries: a study of economic and health conditions, 1960–1975. Smart RG, et al. Drug Alcohol Depend 1983 Jun;11(3–4):297–307
Drug-related admissions to a Veterans' Administration psychiatric unit. Salem RB, et al. Drug Intell Clin Pharm 1984 Jan;18(1):74–6
Times and mores exact morbid toll from youth [news] Hosp Pract 1983 Dec;18(12):80E, 80J, 80M, passim
On the use and abuse of drugs [editorial] Seal SC. Indian J Public Health 1983 Apr-Jun;27(2):41–3
Drug taking by Nigerian students in American universities: prevalences for four commonly used drugs. Achalu OE, et al. Int J Addict 1984 May;19(3):253–63
Reliability and validity of adolescent self-reported drug use in a family-based study: a methodological report. Needle R, et al. Int J Addict 1983 Oct;18(7):901–12
Construct validity of heroin abuse estimators. Woodward JA, et al. Int J Addict 1984 Feb;19(1):93–117
Drug arrest statistics: a proposal for their use. Zingraff MT, et al. Int J Addict 1983 May;18(4):465–78
Patterns and correlates of initial and subsequent drug use among adolescents. Mills CJ, et al. J Consult Clin Psychol 1984 Apr;52(2):231–43
Cocaine: today's drug. Hankes L. J Fla Med Assoc 1984 Apr; 71(4):235–9
The drug abuse epidemic [editorial] Reagan N. J Fla Med Assoc 1984 Apr;71(4):219–20
Psychoactive drug use by young and future physicians. McAuliffe WE, et al. J Health Soc Behav 1984 Mar; 25(1):34–54
Phencyclidine in an East Harlem psychiatric population. Caracci G, et al. J Natl Med Assoc 1983 Sep;75(9):869–74
Students and drug abuse, 1974 and 1980. Ryser PE. J Sch Health 1983 Sep;53(7):435–6
Use of androgenic anabolic steroids by athletes [letter] Frankle MA, et al. JAMA 1984 Jul 27;252(4):482
Heroin at Panjgur. Ahmed SH, et al. JPMA 1984 Feb; 34(2):31–2
The drug problem among the Moluccan population in The Netherlands. Sijes MB. Med Law 1984;3(3):263–72
Drug use among medical students [letter] Epstein R, et al. N Engl J Med 1984 Oct 4;311(14):923
Abuse of benzodiazepines in western European society—incidence and prevalence, motives, drug acquisition. Ladewig D. Pharmacopsychiatria 1983 Jul; 16(4):103–6
Drug abuse and its social impacts in Nigeria. Demehin AO. Public Health 1984 Mar;98(2):109–16
Substance abuse by adolescents in Israel and France: a cross-cultural perspective. Kandel D. Public Health Rep 1984 May-Jun;99(3):277–83
Then and now [editorial] Scoville AB. South Med J 1984 Aug;77(8):941–2
Patterns of substance use among children and youth: a longitudinal study. Coombs RH, et al. Subst Alcohol Actions Misuse 1984;5(1):59–67
Drug-abuse reporting systems. Rootman I, et al. WHO Offset Publ 1980;(55):1–98
Extent of drug abuse: an international review with implications for health planners. Hughes PH, et al. World Health Stat Q 1983;36(3–4):394–497 (Eng, Fre)
[Epidemiologic observations on the use of alcohol and benzodiazepines] Baedeker C. Beitr Gerichtl Med 1983; 41:407–12 (Eng. Abstr.) (Ger)
[Health related behavior in high school students: III. Use of hashish, alcohol and medicines] Tamir A, et al. Harefuah 1983 Mar 1;104(5):195–8 (Eng. Abstr.) (Heb)
[Perspectives on drugs and crime] Bruno F, et al. Ann Ist Super Sanita 1982;18(4):759–63 (Eng. Abstr.) (Ita)
[Epidemiological methods for the control of drug abuse] Mariani F. Ann Ist Super Sanita 1982;18(4):713–8 (Eng. Abstr.) (Ita)
[Nature and characteristics of clandestine drug trade in Milan: results of controls carried-out in the period 1972–1980] Marozzi E, et al. Ann Ist Super Sanita 1982;18(4):789–95 (Eng. Abstr.) (Ita)
[Drug addiction in Europe] Palenzona C. Minerva Med 1984 Feb 25;75(7):338–42 (Ita)
[Drug abuse in the Philippines] Reyes BV Jr. Seishin Shinkeigaku Zasshi 1983;85(8):473–7 (Jpn)
[Survey on the status of drug abuse] Sato S, et al. Seishin Shinkeigaku Zasshi 1983;85(8):485–90 (Jpn)
[Drug abuse as a social phenomenon in West Germany] Welz R. Seishin Shinkeigaku Zasshi 1983;85(8):491–6 (Jpn)
[Various aspects of drug addiction among adolescents from different environments] Kubasiewicz A. Ann Acad Med Stetin 1983;29:323–40 (64 ref.) (Eng. Abstr.) (Pol)
[World drug abuse in the statistical data of the U.N. International Narcotics Control Board in 1980] Kubalski J, et al. Przegl Lek 1983;40(6):529–31 (Pol)
[Narcotic misuse among criminal suspects in Gotenburg—needle marks and interview studies] Lakartidningen 1984 Aug 8;81(32–33):2833–6 (Swe)

PATHOLOGY

[Histologic findings of jaw bones, soft tissues and small salivary glands in drug-related deaths] Donath K, et al. Beitr Gerichtl Med 1983;41:349–57 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

A cognitive-behavioral approach to substance abuse prevention. Botvin GJ, et al. Addict Behav 1984;9(2):137–47
Evaluation of a junior high school primary prevention program. Moskowitz JM, et al. Addict Behav 1983; 8(4):393–401
A study of drug discipline policies in secondary schools. Schwartz S. Adolescence 1984 Summer;19(74):323–33
Anthropological overview of substance abuse. A social policy prevention approach. Bell P. Ala J Med Sci 1984 Apr;21(2):162–5
Health promotion and disease prevention. Combating substance abuse with health life-styles. Carter JH Jr. Ala J Med Sci 1984 Apr;21(2):165–9
Substance abuse. Cox WH. Ala J Med Sci 1984 Apr; 21(2):149–50
Teacher training in affective education for the primary prevention of adolescent drug abuse. Malvin JH, et al. Am J Drug Alcohol Abuse 1984;10(2):223–35
Valium & values. Kilwein JH. Am Pharm 1983 Dec; NS23(12):5–7
Conversation with Max Glatt [interview] Glatt M. Br J Addict 1983 Sep;78(3):231–43
Preventive and treatment measures to reduce drug abuse: summary of responses to a survey of national programmes. United Nations Secretariat. Bull Narc 1983 Jul-Sep; 35(3):33–40
Report of the Expert Group on Drug Abuse Reduction. Bull Narc 1983 Jul-Sep;35(3):3–17
The role of the Drug Advisory Programme of the Colombo Plan Bureau in the fight against illicit drug traffic. Abarro PA. Bull Narc 1983 Oct-Dec;35(4):67–72
The role of the Pompidou Group of the Council of Europe in combating drug abuse and illicit drug trafficking. Brulé C. Bull Narc 1983 Oct-Dec;35(4):73–7

Role played by narcotics laboratories in the campaign against drug abuse and drug trafficking: a view from a developing country. García Fernandez JC. **Bull Narc** 1984 Jan–Mar; 36(1):3–13

Reactions to problems of drug abuse in Zambia. Haworth A. **Bull Narc** 1983 Jan–Mar;35(1):1–9

A review of the concerned parent movement in the United States of America. Lindblad RA. **Bull Narc** 1983 Jul–Sep; 35(3):41–52

A review of laboratory methods for the analysis of opiates and diluents in illicit drug traffic. Navaratnam V, et al. **Bull Narc** 1984 Jan–Mar;36(1):15–23

The role of non-governmental organizations in the prevention and reduction of drug abuse: the Philippine experience. Quejas SQ. **Bull Narc** 1983 Jul–Sep;35(3):53–62

Attitudes of high school students toward drug education. Omishakin A. **Drug Alcohol Depend** 1983 Nov;12(3):295–7

Drug policy in the aging society. Avorn J. **Health Aff (Millwood)** 1983 Fall;2(3):23–32

Drug education: a primer. Einstein S. **Int J Addict** 1983 Dec; 18(8):1157–69

Substance abuse: assessment of the outcomes of activities and activity clusters in school-based prevention. Sexter J, et al. **Int J Addict** 1984 Feb;19(1):79–92

Drug abuse prevention: what the AMA Auxiliary has to offer. Bolling G. **J Fla Med Assoc** 1984 Apr;71(4):249–50

A model school-based comprehensive alcohol/drug abuse prevention program. Holsaple R, et al. **J Fla Med Assoc** 1984 Apr;71(4):233–4

Parent power and prevention: the national movement for drug-free youth. Schuchard MM. **J Fla Med Assoc** 1984 Apr;71(4):225–6

AMA's response to the problem of prescription drug abuse. Skom JH. **J Fla Med Assoc** 1984 Apr;71(4):244–8

Physicians at risk. Some epidemiologic considerations of alcoholism, drug abuse, and suicide. Keeve JP. **J Occup Med** 1984 Jul;26(7):503–8

A drug abuse prevention program developed within a therapeutic community. Biase DV. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):63–8

Controlling intoxicant use. Harding WM, et al. **J Psychoactive Drugs** 1984 Apr–Jun;16(2):101–6 (32 ref.)

Controlling drug reputations: the case of heroin. Maloff D. **J Psychoactive Drugs** 1984 Apr–Jun;16(2):129–140 (34 ref.)

R & R in the Rockies: drug fighters recharge their batteries. Prugh T. **J Psychoactive Drugs** 1983 Oct–Dec;15(4):313–6

The trusted physician in a humane drug control system. Trebach AS. **J Psychoactive Drugs** 1984 Apr–Jun; 16(2):141–60 (34 ref.)

Drug abuse prevention [letter] Budd RD. **Med J Aust** 1983 Nov 26;2(11):541–2

Temgesic restricted to hospitals [letter] Curran AC. **Med J Aust** 1984 Feb 18;140(4):246

Action on alcohol abuse [letter] Wodak AD. **Med J Aust** 1984 Feb 4;140(3):177

Preventing adolescent drug abuse. Intervention strategies. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:1–255

Prevention of adolescent substance abuse through the development of personal and social competence. Botvin GJ. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:115–40

Empirical foundations of family-based approaches to adolescent substance abuse. Bry B. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:154–71

The role of mass media in preventing adolescent substance abuse. Flay BR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:5–35

Comprehensive community programs for drug abuse prevention: implications of the community heart disease prevention programs for future research. Johnson CA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:76–114

Social-psychological approaches. McAlister AL. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:36–50

Preventing adolescent substance abuse through drug education. Moskowitz JM. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:233–49

Prevention of adolescent substance abuse through social skill development. Pentz MA. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:195–232

Doing the cube: preventing drug abuse through adolescent health promotion. Perry CL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:51–75

A value approach to the prevention and reduction of drug abuse. Rokeach M. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:172–94

Alternatives to drug abuse: some are and some are not. Swisher JD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1983;47:141–53

Detection of methamphetamine from urine by a latex agglutination inhibition test using microtiter technique. Itoh Y, et al. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):79–83

Health promotion: Alcohol and drug misuse prevention. **Public Health Rep** 1983 Sep–Oct;Suppl:116–32

Preventing substance abuse: the state of the art. Durell J, et al. **Public Health Rep** 1984 Jan–Feb;99(1):23–31

The 1990 prevention objectives for alcohol and drug misuse: progress report. Segal M, et al. **Public Health Rep** 1983 Sep–Oct;98(5):426–35

Guidelines relating to international drug control treaties. Khan I, et al. **WHO Chron** 1984;38(1):17–20

[Sex and health education. Drugs and drug addiction] Meersseman. **Arch Belg** 1983;41(11–12):467–72 (Fre)

[Prevention of drug abuse among adolescents] Lavik NJ, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1116–9 (Eng. Abstr.) (Nor)

PSYCHOLOGY

Sensation seeking, reinforcement, and student drug use. Galizio M, et al. **Addict Behav** 1983;8(3):243–52

Patterns of substance abuse in pathological gamblers undergoing treatment. Ramirez LF, et al. **Addict Behav** 1983;8(4):425–8

The role of a nonparticipant observer in drug abuse field research. Lowney J. **Adolescence** 1984 Summer; 19(74):425–34

Psychoactive drug use during adolescence: the pediatrician's role [letter] Schwartz RH. **Am J Dis Child** 1984 Feb; 138(2):205

Families and drugs: a life-span research approach. Glynn TJ. **Am J Drug Alcohol Abuse** 1982–83;9(4):397–412 (71 ref.)

Hyperactives as young adults: past and current substance abuse and antisocial behavior. Hechtman L, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):415–25

Is alcoholism different from other substance abuse? [letter] Peele S. **Am Psychol** 1983 Aug;38(8):963–5

Gas sniffing as a form of substance abuse. Remington G, et al. **Can J Psychiatry** 1984 Feb;29(1):31–5

Risk taking and drug-use behaviour: an examination. Adlaf EM, et al. **Drug Alcohol Depend** 1983 Jun;11(3–4):287–96

MMPI subtypes and antisocial behaviors in adolescent alcohol and drug abusers. Sutker PB, et al. **Drug Alcohol Depend** 1984 May;13(3):235–44

Alcohol misuse and abuse among the elderly. Lamy PP. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):649–51 (43 ref.)

Pregnant addicts and health care. Rose L. **Hawaii Med J** 1983 Jul;42(7):170–2

Comparative study of the personality correlates and nature of drug abuse in schools and colleges. Agrawal RK, et al. **Indian J Pediatr** 1982 Sep–Oct;49(400):671–9

An empirical examination of the social bond theory of drug use. Dull RT. **Int J Addict** 1984 May;19(3):265–86

Drug misuse/abuse intervention: a schematic tool for decision making and planning. Einstein S. **Int J Addict** 1984 May; 19(3):355–66

Stress and drug use. Einstein S. **Int J Addict** 1983 Aug; 18(6):iii–v

Sensation seeking and drug choice. Galizio M, et al. **Int J Addict** 1983 Dec;18(8):1039–48

A factor analytic study of the relationship of experience seeking and trait anxiety to drug use and reasons for drug use. Hobfoll SE, et al. **Int J Addict** 1983 May;18(4):539–49

A comparison of parental and adolescent MMPIs as related to substance use. Klinge V. **Int J Addict** 1983 Dec; 18(8):1179–85

Attitudes of potential employers toward drug abuse. Knox WJ. **Int J Addict** 1983 May;18(4):445–53

Body image of drug and alcohol abusers. Leventhal G. **Int J Addict** 1983 Aug;18(6):791–804

Relationships between inmates' past drug practices and current drug knowledge and attitudes. Miller RE, et al. **Int J Addict** 1983 Aug;18(6):881–90

Toward an integrative framework for the comprehensive study of drug-taking behaviors and experiences. Montagne M, et al. **Int J Addict** 1983 Oct;18(7):959–70 (30 ref.)

Psychological aspects of drug-taking behavior. Segal B. **Int J Addict** 1983 Jul;18(5):611–5

Drug-induced ego states. I. Cocaine: phenomenology and implications. Spotts JV, et al. **Int J Addict** 1984 Apr; 19(2):119–51

The phenomenological structure of drug-induced ego states. II. Barbiturates and sedative-hypnotics: phenomenology and implications. Spotts JV, et al. **Int J Addict** 1984 May; 19(3):295–326

Abuse of pentazocine combined with tripelennamine: an interaction of pharmacological and demographic characteristics. True WR, et al. **Int J Addict** 1983 Dec; 18(8):1063–71

Drug and alcohol abuse among the elderly: is being alone the key? Brown BB, et al. **Int J Aging Hum Dev** 1983–84; 18(1):1–12

Flashbacks and memory phenomena. A comment on 'Flashback phenomena—clinical and diagnostic dilemmas'. McGee R. **J Nerv Ment Dis** 1984 May;172(5):273–8

Correlates of compliance with psychoactive prescriptions. Apsler R, et al. **J Psychoactive Drugs** 1984 Apr–Jun; 16(2):193–9

Drug control: three analogies. Bakalar JB, et al. **J Psychoactive Drugs** 1984 Apr–Jun;16(2):107–18

Job satisfaction, counterproductive behavior and circumstantial drug use among long-distance truckers. Guinn B. **J Psychoactive Drugs** 1983 Jul–Sep;15(3):185–8

Developmental antecedents of compulsive drug use: a report on the literature. Long JV, et al. **J Psychoactive Drugs** 1984 Apr–Jun;16(2):169–82 (107 ref.)

Thinking high: a metaphor from the past, in the present and, perhaps, for the future. Shaffer H, et al. **J Psychoactive Drugs** 1984 Apr–Jun;16(2):201–4

Psychosocial correlates of alcohol and drug use of adolescent students and adolescents in treatment. Pandina RJ, et al. **J Stud Alcohol** 1983 Nov;44(6):950–73

No more Pacific island paradises [letter] Cameron FJ, et al. **Lancet** 1984 Jun 2;1(8388):1238

Who has bugs? [letter] Kulberg A, et al. **Pediatrics** 1984 Jan; 73(1):117

Food, drugs, and alcohol—a common temporal pattern of use. Sinnett ER, et al. **Percept Mot Skills** 1983 Oct; 57(2):375–9

Correlates of sensation seeking by heavy, chronic drug users. Spotts JV, et al. **Percept Mot Skills** 1984 Apr;58(2):427–35

Some thoughts on the relations between animal and human drug-taking. Woods JH. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):577–84

Impact of attrition in a sample in a longitudinal study of adolescent drug use. Brook JS, et al. **Psychol Rep** 1983 Oct;53(2):375–8

Some determinants of attitudes toward substance use in an urban ethnic community. Gary LE, et al. **Psychol Rep** 1984 Apr;54(2):539–45

AIDS, drug abuse, and mental health [editorial] Pincus HA. **Public Health Rep** 1984 Mar–Apr;99(2):106–8

Second Annual Toxicology Conference, October 19–20, 1983. Substance Abuse Conference, 20–21, 1983. Abstracts. **Subst Alcohol Actions Misuse** 1983;4(2–3):237–61

The role of drugs in adolescent suicide attempts. McKenry PC, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):166–75

[Behavior of the young in relation to drugs and alcohol] Kandel DB. **Psychiatr Enfant** 1983;26(2):565–629 (Fre)

REHABILITATION

Treatment outcomes of substance-abusing physicians. Vogtsberger KN. **Am J Drug Alcohol Abuse** 1984; 10(1):23–37

Self-help groups for parents of young drug and alcohol abusers. Galanter M, et al. **Am J Psychiatry** 1984 Jul; 141(7):889–91

A cognitive behavioral analysis of relaxation training in drug abusers. Chaney EF, et al. **Drug Alcohol Depend** 1983 Oct; 12(2):201–7

Objectives perceived by administrators within the 'decision to divert network': conflict and resolution. Williams RJ, et al. **Drug Alcohol Depend** 1983 Dec;12(4):339–48

Legal coercion and retention in drug abuse treatment. Collins JJ, et al. **Hosp Community Psychiatry** 1983 Dec; 34(12):1145–9

Agency differences in posttreatment outcomes: a follow-up of drug abuse treatment clients. Joe GW, et al. **Int J Addict** 1983 May;18(4):523–38

Effective early intervention for adolescents harmfully involved in alcohol and drugs. Hoogerman D, et al. **J Fla Med Assoc** 1984 Apr;71(4):227–32

The reentry process of adolescents. Freudenberger HJ, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):95–9

Intervening with the adolescent involved in substance abuse. Wagner BJ. **J Sch Health** 1984 Aug;54(7):244–6

Evaluation of training programs for health professionals in substance misuse. A review. Ewan CE, et al. **J Stud Alcohol** 1983 Sep;44(5):885–99

The relationship of MMPI subtype membership to demographic variables and treatment outcome among substance misusers. Filstead WJ, et al. **J Stud Alcohol** 1983 Sep;44(5):917–22

MSMS goal: to rehabilitate every impaired physician. Gagliardi CA. **Mich Med** 1983 May;82(24):278

Contingency management of supplemental drug use during methadone maintenance treatment. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:84–103

Competition and chemical dependency: taking the lead. Porter S. **Ohio State Med J** 1984 Jun;80(6):447–9

[Alcohol and drugs: a continuous matter of concern] Mahadevan M. **Seishin Shinkeigaku Zasshi** 1983; 85(8):477–80 (Jpn)

STANDARDS

A review of the reliability and validity of the Drug Abuse Warning Network. Swisher JD, et al. **Int J Addict** 1984 Feb;19(1):57–77

THERAPY

Treatment of substance abuse by relaxation training: a review of its rationale, efficacy and mechanisms. Klajner F, et al. **Addict Behav** 1984;9(1):41–55

'Bad trips'. Chung IM. **Aust Fam Physician** 1983 Sep; 12(9):689–90

Paraprofessional versus professional drug counselors: diverse routes to the same role. Aiken LS, et al. **Int J Addict** 1984 Apr;19(2):153–73

A model for assessing and improving drug abuse treatment resource use in inner-city areas. Dembo R, et al. **Int J Addict** 1983 Oct;18(7):921–36

Coping and drug misuse intervention [editorial] Einstein S. **Int J Addict** 1984 Feb;19(1):iii–vii

Self-help drug misuse intervention: a schema. Einstein S. **Int J Addict** 1983 May;18(4):559–68

Countertransferential and attitudinal considerations in the treatment of drug abuse and addiction. Imhof J, et al. **Int J Addict** 1983 May;18(4):491–510

Paraprofessional versus professional drug abuse counselors: attitudes and expectations of the counselors and their clients. LoSciuto L, et al. **Int J Addict** 1984 May; 19(3):233–52

Retention in drug-free counseling. Steer RA. **Int J Addict** 1983 Dec;18(8):1109–14

Speaking to and about patients: predicting therapists' tone

of voice. Rosenthal R, et al. **J Consult Clin Psychol** 1984 Aug;52(4):679–86

Conjoint versus one-person family therapy: some evidence for the effectiveness of conducting family therapy through one person. Szapocznik J, et al. **J Consult Clin Psychol** 1983 Dec;51(6):889–99

Increased effectiveness of substance abuse treatment. A prospective study of patient-treatment 'matching'. McLellan AT, et al. **J Nerv Ment Dis** 1983 Oct; 171(10):597–605

Coercion in the therapeutic community. Deitch DA, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):35–41

Adolescent and adult drug treatment clients: patterns and consequences of use. Holland S, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):79–89

The therapeutic community: a current perspective. O'Brien WB, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):9–21

Problems in a treatment program for substance misuse. The process of reorganizing into assessment teams and modules. Lacoursiere RB, et al. **J Stud Alcohol** 1983 Jul;44(4):647–64

The role of behavioral contingency management in drug abuse treatment. Bigelow GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:36–52

Therapeutic application of behavioral techniques: an overview. Grabowski J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:1–7

Behavioral intervention techniques in drug abuse treatment: summary of discussion. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:147–57

A contingency analysis of family treatment and drug abuse. Todd TC. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 46:104–14

What is treatment of substance abuse? Nemir SS, et al. **Tex Med** 1984 Jun;80(6):55–60

[Chronic laxative abuse, the cathartic colon; a study of the results of conservative treatment] Mathus-Vliegen EM, et al. **Ned Tijdschr Geneeskd** 1984 Jan 28;128(4):153–7 (Eng. Abstr.) **(Dut)**

TRENDS

The drug acquisition curve: a method for the analysis and prediction of drug epidemiology. Oetting ER, et al. **Int J Addict** 1983 Dec;18(8):1115–29

URINE

Positive diphenhydramine interference in the EMIT-d.a.u. assay [letter] Kelner MJ. **Clin Chem** 1984 Aug;30(8):1430

High-performance liquid chromatographic study of codeine, norcodeine, and morphine as indicators of codeine ingestion. Posey BL, et al. **J Anal Toxicol** 1984 Mar–Apr; 8(2):68–74

Arylhydroxy metabolites of cocaine in the urine of cocaine users. Smith RM. **J Anal Toxicol** 1984 Jan–Feb;8(1):35–7

Ethyl esters of arylhydroxy- and arylhydroxymethoxycocaines in the urines of simultaneous cocaine and ethanol users. Smith RM. **J Anal Toxicol** 1984 Jan–Feb;8(1):38–42

Improved cost effective thin-layer detection techniques for routine surveillance of commonly abused drugs in drug abuse urine screening and proficiency testing programs with built-in quality assurance. Kaistha KK, et al. **J Chromatogr** 1983 Sep 2;267(1):109–16

[Detection and identification of a new metabolite of fenethylline] Goenechea S, et al. **Arch Kriminol** 1984 Mar–Apr;173(3–4):7–102 (Eng. Abstr.) **(Ger)**

[Diagnostic value of urine analysis in drug addicts and rehabilitation patients] Baudisch H, et al. **Dtsch Med Wochenschr** 1983 Sep 30;108(39):1496–7 **(Ger)**

SUBSTANCE DEPENDENCE

Acquired immune deficiency syndrome [letter] Casner PR. **Arch Intern Med** 1984 Aug;144(8):1697

Analgesia in acute pancreatitis [letter] Brown NM, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1917

Addiction to aerosol treatment [letter] Slessor IM. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):485

Drugs of Dependence Monitoring System: an effective check of the movements of certain drugs in Australia. Murdoch DW. **Bull Narc** 1983 Oct–Dec;35(4):47–53

The dependence potential of benzodiazepines. de Wit H, et al. **Curr Med Res Opin** 1984;8 Suppl 4:48–59

Grease eruption: result of addiction to a physical agent. Hardin FF. **Cutis** 1984 Mar;33(3):304–6

Dependence in the absence of tolerance to morphine. Johnson SM, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):305–8

Cholera toxin selectively affects the expression of opioid dependence in the tolerant myenteric plexus of the guinea-pig. Lux B, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1–2):175–6

Evaluation of drug counselor training: a pilot study. Tierney DO, et al. **Int J Addict** 1983 May;18(4):511–21

An outbreak of delta agent among a group of drug addicts and their close contacts [letter] Caredda F, et al. **J Infect Dis** 1984 Feb;149(2):286–7

Behavioral dependence produced by continuous phencyclidine infusion in rhesus monkeys. Slifer BL, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):399–406

A withdrawal hyperalgesia test for physical dependence: evaluation of mu and mixed-partial opioid agonists. VonVoigtlander PF, et al. **J Pharmacol Methods** 1983 Dec; 10(4):277–82

Cocaine smoking. Siegel RK. **J Psychoactive Drugs** 1982 Oct–Dec;14(4):271–359

Physical dependence on meprobamate after repeated oral administration in rats. Nakamura H, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1171–6

Induction of physical dependence on codeine in the rat by drug-admixed food ingestion. Suzuki T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):441–6

Cross-physical dependence liability of psychotropic drugs in rats dependent on barbiturates. Tagashira E, et al. **Jpn J Pharmacol** 1983 Jun;33(3):659–69

Confidentiality and the drug addict [letter] Strang J, et al. **Lancet** 1984 Mar 24;1(8378):682

Effect of prolyl-leucyl-glycinamide and alpha-melanocyte-stimulating hormone on levorphanol-induced analgesia, tolerance and dependence. Contreras PC, et al. **Life Sci** 1984 Jun 25;34(26):2559–66

Assaying addiction liability of opioids. Hunter GA Jr, et al. **Life Sci** 1983;33 Suppl 1:393–6

Corticosteroid abuse—an unusual manifestation of drug dependence. Flavin DK, et al. **Mayo Clin Proc** 1983 Nov; 58(11):764–6

Drug dependence: myth or motive? Falk JL. **Pharmacol Biochem Behav** 1983 Sep;19(3):385–91

Levodopa dependence: a case report. Priebe S. **Pharmacopsychiatry** 1984 Jul;17(4):109–10

Dependence on psychotropic drugs: an overview. Edwards JG, et al. **Postgrad Med J** 1984;60 Suppl 2:29–40

Benzodiazepine dependence. Lader M. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):85–95

Medroxyprogesterone acetate as a contraceptive for female drug addicts. Mark I. **Scand J Soc Med** 1983;11(3):75–80

[Analgesic and antipyretic effects of trilobine hydrochloride without induction of physical dependence] Zheng LZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):11–4 (Eng. Abstr.) **(Chi)**

[Dependence on benzodiazepines; extend, risk and potential differences among the individual agents] van der Laan JW. **Ned Tijdschr Geneeskd** 1984 Apr 28;128(17):809–14 **(Dut)**

[Insurance medicine and addiction] Gerchow J. **Lebensversicherungsmedizin** 1984 Mar 22;36(3):45–6 **(Ger)**

[Drug dependence in obstetrics and gynecology: 1st experience in Campania] Martella E, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):71–7 (Eng. Abstr.) **(Ita)**

[Physical dependence liabilities of butorphanol, a narcotic antagonist, and its main metabolites, norbutorphanol and hydroxybutorphanol] Niwa M, et al. **Nippon Yakurigaku Zasshi** 1983 Dec;82(6):451–63 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on drug dependence. (III): Intravenous self-administration of some CNS-affecting drugs and a new sleep-inducer, 1H-1, 2, 4-triazolyl benzophenone derivative (450191-S), in rats] Yoshimura K, et al. **Nippon Yakurigaku Zasshi** 1984 Jan;83(1):39–67 (Eng. Abstr.) **(Jpn)**

[Effects of combined administration of morphine and ethanol on drug selecting behaviors and the development of drug dependence] Tagashira E, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):13–24 (Eng. Abstr.) **(Jpn)**

[Laxatives as potential habit-forming drugs] Pogády J, et al. **Bratisl Lek Listy** 1984 May;81(5):606–10 (Eng. Abstr.) **(Slo)**

[The panorama of infections in hospitalized drug addicts] Svenungsson B. **Lakartidningen** 1984 Apr 4;81(14):1416–7 **(Swe)**

CLASSIFICATION

[Alcohol dependence syndrome and alcohol-related disability] Zmudzki A. **Psychiatr Pol** 1983 Mar–Apr; 17(2):159–65 **(Pol)**

COMPLICATIONS

Mycotic aneurysms of the pulmonary arteries in intravenous drug addicts. Report of three cases and review of the literature. Navarro C, et al. **Am J Med** 1984 Jun; 76(6):1124–31

Infected venous pseudoaneurysm. A complication of drug addiction. Johnson JE, et al. **Arch Surg** 1984 Sep; 119(9):1097–8

Chronic arsenic poisoning in opium addicts in Sri Lanka. Balachandra AT, et al. **Ceylon Med J** 1983 Mar;28(1):29–34

Contaminated opium as a source of chronic arsenic poisoning in Sri Lanka. Jayasinghe KS, et al. **Ceylon Med J** 1983 Mar;28(1):22–7

Dental health in a group of drug addicts attending an addiction-clinic. Scheutz F. **Community Dent Oral Epidemiol** 1984 Feb;12(1):23–8

Increased occurrence of hepatitis A with cyclic outbreaks among drug addicts in a Swedish community. Widell A, et al. **Infection** 1983 Jul–Aug;11(4):198–200

Addiction and the other illness. Morgan DA, et al. **J Fla Med Assoc** 1984 Apr;71(4):251–4

Fungal cerebritis from intravenous drug abuse. Wetli CV, et al. **J Forensic Sci** 1984 Jan;29(1):260–8

Infective valvulitis in drug addicts [editorial] **Lancet** 1983 Nov 19;2(8360):1180

Infective endocarditis in drug addicts [letter] Gatell JM, et al. **Lancet** 1984 Jan 28;1(8370):228

Prospective study of epidemic delta infection in drug addicts. Caredda F, et al. **Prog Clin Biol Res** 1983;143:245–50

Intravenous drug addiction—staphylococcal septicemia—pulmonary embolism: a triad pathognomonic for tricuspid valve endocarditis? Julander I, et al. **Scand J Infect Dis** 1983;15(3):257–65

Staphylococcal septicaemia and endocarditis in 80 drug addicts. Aspects on epidemiology, clinical and laboratory findings and prognosis. Julander I. **Scand J Infect Dis [Suppl]** 1983;41:49–55

Fine needle diagnosis in lumbar osteomyelitis. Joshi KB, et al. **Skeletal Radiol** 1983;10(3):173–5

[Atheroma in drug addicts (letter)] Lecomte D, et al. **Presse Med** 1984 Jul 7;13(28):1750 **(Fre)**

[Multiple papilloma virus particles in perianal condylomata acuminata of a drug-dependent patient] Gross G. **Hautarzt** 1984 Feb;35(2):84–7 (Eng. Abstr.) **(Ger)**

[Severe pulmonary arterial hypertension in drug addicts: etiopathogenetic considerations] Pannarale G, et al. **Boll Soc Ital Cardiol** 1982;27(2):185–92 (Eng. Abstr.) **(Ita)**

[Neurological complications in drug dependence with special reference to the development of epileptic syndromes] Quattrini A, et al. **Riv Patol Nerv Ment** 1982 Nov–Dec; 103(6):262–70 (Eng. Abstr.) **(Ita)**

[Incidence of gonorrhea and syphilis among persons with alcohol dependence] Chodynicka B, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):193–9 (Eng. Abstr.) **(Pol)**

[Prevalence of infections in drug addicts in Spain. Task force for the study of infections in drug addicts (letter)] **Med Clin (Barc)** 1984 Jan 14;82(1):42–3 **(Spa)**

[Hepatitis in drug addicts (editorial)] Bruguera M. **Med Clin (Barc)** 1984 Jan 14;82(1):21–4 **(Spa)**

[Acquired immunodeficiency syndrome in the prodromal phase in a drug addict (letter)] Cardellach F, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):645–6 **(Spa)**

[Severe infectious pathology in the drug addict (letter)] Guerrero A, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):787 **(Spa)**

[Additional data on septic osteoarthritis in drug addicts (letter)] Miró JM, et al. **Med Clin (Barc)** 1983 Nov 19; 81(16):738 **(Spa)**

[Subarachnoid hemorrhage in drug addicts (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):39–40 **(Spa)**

[Neoplasms in drug addicts (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):41–2 **(Spa)**

DIAGNOSIS

Degree of addiction and effectiveness of nicotine gum therapy for smoking. Jarvik ME, et al. **Am J Psychiatry** 1984 Jun;141(6):790–1

Benzodiazepine dependence [letter] McEwen J. **Aust NZ J Psychiatry** 1983 Jun;17(2):197

The nature and extent of benzodiazepine abuse: an overview of recent literature. Dietch J. **Hosp Community Psychiatry** 1983 Dec;34(12):1139–45

Concurrent validity of the addiction severity index. Kosten TR, et al. **J Nerv Ment Dis** 1983 Oct;171(10):606–10

Identification and management of benzodiazepine dependence. Tyrer PJ, et al. **Postgrad Med J** 1984;60 Suppl 2:41–6

[Development profiles of young drug addicts] Rosch D. **Neuropsychiatr Enfance Adolesc** 1984 Feb–Mar; 32(2–3):89–96 (Eng. Abstr.) **(Fre)**

[Drug dependence of buprenorphine] Richert S, et al. **MMW** 1983 Dec 23;125(51):1195–8 (Eng. Abstr.) **(Ger)**

[Different steps in construct validation of the Basel Drug and Alcohol Questionnaire (BDA)] Graw P, et al. **Pharmacopsychiatry** 1984 May;17(3):84–93 (Eng. Abstr.) **(Ger)**

[Corticoid-dependent form of bronchial asthma (problems of its clinical aspects, pathogenesis and treatment)] Chuchalin AG, et al. **Ter Arkh** 1984;56(3):142–50 (81 ref.) **(Rus)**

DRUG THERAPY

Cautionary note on methylphenidate for cocaine dependence [letter] Crowley TJ. **Am J Psychiatry** 1984 Feb; 141(2):327–8

Cocaine abuse treatment. Open pilot trial with desipramine and lithium carbonate. Gawin FH, et al. **Arch Gen Psychiatry** 1984 Sep;41(9):903–9

ENZYMOLOGY

Biochemical aspects in the experimental barbital dependence IV—its effect on the hexokinase and phosphofructokinase activities in the rat brain. Yanaura S, et al. **J Toxicol Sci** 1983 May;8(2):141–6

ETIOLOGY

Trihexyphenidyl dependence. McInnis M, et al. **Acta Psychiatr Scand** 1984 Jun;69(6):538–42

Effects and risks of psychotropic and analgesic combinations. Wörz R. **Am J Med** 1983 Nov 14;75(5A):139–40

Dependence liability of the benzodiazepines. Ladewig D. **Drug Alcohol Depend** 1984 Mar;13(2):139–49

Phenobarbital tolerance and physical dependence:

chronically equivalent dosing model. Gay MH, et al. **Eur J Pharmacol** 1983 Nov 11;95(1-2):21-9

Comparison of the reinforcing properties of zopiclone and triazolam in former alcoholics. Bechelli LP, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:235-41

Studies on the dependence-inducing potential of zopiclone and triazolam. Boissl K, et al. **Int Pharmacopsychiatry** 1982; 17 Suppl 2:242-7

Evaluation of zopiclone physical dependence liability in normal volunteers. Dorian P, et al. **Int Pharmacopsychiatry** 1982;17 Suppl 2:228-34

Dependence potential of zopiclone studied in monkeys. Yanagita T. **Int Pharmacopsychiatry** 1982;17 Suppl 2:216-27

Reinstatement of responding maintained by cocaine or thiamylal. Slikker W Jr, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):43-52

Buprenorphine. New wonder drug or new hazard?[editorial] Wodak AD. **Med J Aust** 1984 Mar 31;140(7):389-90

Self-administration of methionine enkephalin into the nucleus accumbens. Goeders NE, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):451-5

Studies on the dependence-inducing potential of zopiclone and triazolam. Boissl K, et al. **Pharmacology** 1983;27 Suppl 2:242-7

Evaluation of zopiclone physical dependence liability in normal volunteers. Dorian P, et al. **Pharmacology** 1983;27 Suppl 2:228-34

Dependence potential of zopiclone studied in monkeys. Yanagita T. **Pharmacology** 1983;27 Suppl 2:216-27

Assessment of dependence potential of drugs in humans using multiple indices. Johanson CE, et al. **Psychopharmacology (Berlin)** 1983;81(2):144-9

Physical dependence produced by long duration, low dose chronic barbital treatment. Okamoto M, et al. **Subst Alcohol Actions Misuse** 1984;5(2):97-103

[Alcohol addicts and benzodiazepines. A review of the hidden abuse of benzodiazepines in a large clinic for alcohol addicts] Tønnesen H, et al. **Ugeskr Laeger** 1984 Feb 6; 146(6):430-1 (Eng. Abstr.) **(Dan)**

[Development and maintenance of nicotine dependence] Bobon D. **Rev Med Liege** 1983 Sep 1;38(17):647-51 **(Fre)**

[Risks and perspectives of drug dependence. Catamnestic results in 100 opiate addicts during the access years 1969-1974] Bschor F, et al. **Dtsch Med Wochenschr** 1984 Jul 13;109(28-29):1101-5 (Eng. Abstr.) **(Ger)**

[Benzodiazepine addition, our iatrogenic epidemic—157 cases of benzodiazepine dependence] Binder W, et al. **Off Gesundheitswes** 1984 Feb;46(2):80-6 **(Ger)**

[Changes in amencrgic transmission processes in the CNS under the effec' of alcohol and their possible functional significance] Andreas K, et al. **Z Arztl Fortbild (Jena)** 1984; 78(9):347-9 **(Ger)**

[Mechanisms of alcohol tolerance and dependence] Kostowski W. **Psychiatr Pol** 1983 Jul-Aug;17(4):341-9 (29 ref.) **(Pol)**

IMMUNOLOGY

Immune response to hepatitis B vaccine in drug addicts. Schalm SW, et al. **J Infect** 1983 Jul;7 Suppl 1:41-5

Delta agent in Britain [letter] Ponzetto A, et al. **Lancet** 1983 Nov 12;2(8359):1141-2

[T-lymphocyte subpopulations in asymptomatic multiple drug users (letter)] Escamilla R, et al. **Presse Med** 1984 Feb 4;13(4):226 **(Fre)**

[Difference in the behavior of T-lymphocyte populations in heroin and methadone addicts] Brugo MA, et al. **Boll Ist Sieroter Milan** 1983;62(6):517-23 (Eng. Abstr.) **(Ita)**

[Delta-infection - a new disease among intravenous drug addicts and their contacts] Moestrup T, et al. **Lakartidningen** 1983 Oct 19;80(42):3938-40 (Eng. Abstr.) **(Swe)**

METABOLISM

[Barbiturate tolerance and dependence. Molecular mechanisms] Mandel P, et al. **Bull Acad Natl Med (Paris)** 1983 Sep-Oct;167(7):685-93 (Eng. Abstr.) **(Fre)**

MORTALITY

Deaths from drugs and poisons. Cairns FJ, et al. **NZ Med J** 1983 Dec 28;96(746):1045-8

OCCURRENCE

Use of benzodiazepines in the Nordic countries in the 1960s and 1970s. Hemminki E, et al. **Br J Addict** 1983 Dec; 78(4):415-28

Drug addiction among adolescents. Dias CA, et al. **Bull Narc** 1983 Jul-Sep;35(3):81-6

Preliminary findings of an epidemiological survey of drug addiction in Paris. Ingold R, et al. **Bull Narc** 1983 Jul-Sep; 35(3):73-9

Considering the risks of 'populations at risk' [editorial] Einstein S. **Int J Addict** 1984 Apr;19(2):iii-vi

The chewing of khat in Somalia. Elmi AS. **J Ethnopharmacol** 1983 Aug;8(2):163-76

Cocaine: today's drug. Hankes L. **J Fla Med Assoc** 1984 Apr; 71(4):235-9

Intranasal cocaine addiction [letter] Washton AM, et al. **Lancet** 1983 Dec 10;2(8363):1374

[Increase in the number of females among drug addicts] Vaille C. **Bull Acad Natl Med (Paris)** 1983 May; 167(5):393-400 (Eng. Abstr.) **(Fre)**

[Drug addiction by inhalation of gasoline vapor. Clinical and toxicological aspects] Lenoir L, et al. **Toxicol Eur Res** 1983 Jul;5(4):193-8 (Eng. Abstr.) **(Fre)**

[Hashish for the children of the Revolution. The Soviet society campaigns against the problem of drug dependence of adolescents] Flerow W, et al. **Fortschr Med** 1983 Oct 20;101(39):1747-8 **(Ger)**

[Medication and drug dependence in patients of psychiatric clinics] Ladewig D, et al. **Praxis** 1983 Jul 19;72(29):982-6 (Eng. Abstr.) **(Ger)**

[Project TO.DI. (Drug Addiction) as an experimental approach for the study of drug abuse in Italy] Avico U, et al. **Ann Ist Super Sanita** 1982;18(4):719-25 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of substance dependence in young people] Posel Z, et al. **Psychiatr Pol** 1983 May-Jun; 17(3):201-8 (Eng. Abstr.) **(Pol)**

[Decompensation of drug dependence 1976-1980 in parts of the Eastern Slovakia Region] Križová M, et al. **Cesk Zdrav** 1983 Nov;31(11):469-75 (Eng. Abstr.) **(Slo)**

[Alcoholism and drug addiction in the child and the adolescent] Florenzano Urzúa R. **Rev Chil Pediatr** 1984 Mar-Apr;55(2):128-33 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Chemical dependency: a unified illness. Mulry JT. **Am Fam Physician** 1984 Mar;29(3):285-90

The effects of putative 5-hydroxytryptamine receptor active agents on D-amphetamine self-administration in controls and rats with 5,7-dihydroxytryptamine median forebrain bundle lesions. Leccese AP, et al. **Brain Res** 1984 Jun 11; 303(1):153-62

Repeated withdrawal from barbital as a drive for 'drug taking behavior' in rats. Jänicke UA, et al. **Drug Alcohol Depend** 1984 Jan;13(1):43-54

Functional changes in the descending antinociceptive system of morphine-dependent rats. Emmers R. **Exp Neurol** 1984 May;84(2):450-62

Changes in thalamic nociception resulting from morphine- and meperidine-dependence in rats. Emmers R. **Exp Neurol** 1984 Jan;83(1):118-33

N20 and chemically dependent patients [letter] Cady PA. **J Am Dent Assoc** 1984 May;108(5):732, 734

The effects of ethanol dependence on drug responsiveness of mouse isolated vas deferens. de Moraes S, et al. **J Pharm Pharmacol** 1984 Jan;36(1):70-2

Methadone induced physical dependence in the ra:. Ling GS, et al. **Life Sci** 1984 Feb 13;34(7):683-90

Persistence of drug experience in rats formerly dependent on phenobarbital or meprobamate. Nakamura H, et al. **Neuropharmacology** 1983 Jul;22(7):923-6

Nicotine dependence in cigarette smoking: an empirically-based, multivariate model. Pomerleau OF, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):291-9

Involvement of neurohypophyseal peptides in drug-mediated adaptive responses. van Ree JM, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:257-63

Neurohypophyseal hormones in tolerance and physical dependence. Ritzmann RF, et al. **Pharmacol Ther** 1983; 23(2):281-312 (201 ref.)

Saliva secretion rate in a group of drug addicts (short communication). Scheutz F. **Scand J Dent Res** 1983 Dec; 91(6):496-8

PREVENTION & CONTROL

Evaluation of a junior high school primary prevention program. Moskowitz JM, et al. **Addict Behav** 1983; 8(4):393-401

Failures in alcoholism and drug dependence prevention and learning from the past. Mider PA. **Am Psychol** 1984 Feb; 39(2):183-4

Social policy and drug addiction: a critical study of policy development. Smart C. **Br J Addict** 1984 Mar;79(1):31-9

Effect of two iron-chelators, desferrioxamine and diethylenetriaminepentaacetic acid, on the development of tolerance to the physical dependence on ethanol in mice. Abu-Murad C, et al. **Drug Alcohol Depend** 1983 Dec; 12(4):371-9

The losing battle against drug addiction. Deitch R. **Lancet** 1984 Aug 25;2(8400):473

[Public information media in Bosnia and Herzegovina and the prevention of dependency diseases] Omanić A. **Lijec Vjesn** 1984 Feb-Mar;106(2-3):74-7 **(Scr)**

[Primary prevention of substance dependence in adolescents. Description of a project in Santiago, Chile] Florenzano Urzua R, et al. **Bol Of Sanit Panam** 1983 Aug;95(2):142-55 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Addictive behaviors among hospitalized psychiatric patients. O'Farrell TJ, et al. **Addict Behav** 1983;8(4):329-33

Factors in addiction and the psychological dynamics of personality deterioration. Clark T. **Ala J Med Sci** 1984 Apr; 21(2):158-62

Substance abuse and the professional provider. The need for new attitudes about addiction. Talbott GD. **Ala J Med Sci** 1984 Apr;21(2):150-5

Drugs, drinking, and adolescence. Macdonald DI. **Am J Dis Child** 1984 Feb;138(2):117-25 (67 ref.)

A study of the relationship between child abuse and drug addiction in 178 patients: preliminary results. Cohen FS, et al. **Child Abuse Negl** 1982;6(4):383-7

Withdrawal reactions after long-term treatment with flurazepam. Bond WS, et al. **Clin Pharm** 1984 May-Jun; 3(3):316-8

A diagnostic tool with important implications for treatment of addiction: identification of factors underlying relapse and remission time distributions. Mann NR, et al. **Int J Addict** 1984 Feb;19(1):25-44

Psychological aspects of drug-taking behavior. Segal B. **Int J Addict** 1983 Jul;18(5):611-5

Psychopathology and chronic drug use: a methodological paradigm. Spotts JV, et al. **Int J Addict** 1983 Jul; 18(5):633-80

A model of psychological dependence in adolescent substance abusers. Birmingham WG, et al. **J Adolesc** 1984 Mar;7(1):17-27

Perceptual differentiation among drug addicts: correlations with intelligence and MMPI scores. Gilbertson AD. **J Clin Psychol** 1984 Jan;40(1):334-9

How the addict gets his prescription. Lindberg DK. **J Fla Med Assoc** 1984 Apr;71(4):240-3

Observations on drug dependency. Stone MM. **J Fla Med Assoc** 1984 Apr;71(4):270-3

An analysis of 100 consecutively admitted alcohol and drug patients. McKemie WF Sr, et al. **J Med Assoc Ga** 1983 Dec;72(12):833-5

The drug addict as parent [letter] Cave G. **Lancet** 1984 Apr 21;1(8382):910

Confidentiality and the drug addict [letter] Dally A. **Lancet** 1984 Apr 7;1(8380):796

Narcotics and parental behaviour [letter] Weller MP. **Lancet** 1984 May 12;1(8385):1076

Prescription medication dependence and neuropsychologic function. McNairy SL, et al. **Pain** 1984 Feb;18(2):169-77

Schedule-induced self injection of drugs. Singer G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):171-8

Alcohol, drugs, and forensic psychiatry. Ojesjö L. **Psychiatr Clin North Am** 1983 Dec;6(4):733-49

[The act or the prohibition?] Geraud B. **Neuropsychiatr Enfance Adolesc** 1983 Aug-Sep; 31(8-9):422-3 **(Fre)**

[Fatal suicidal poisoning with the beta receptor blocker talinolol (Cordanum) in multiple-drug addiction] Häusser D. **Z Arztl Fortbild (Jena)** 1983;77(22):943-4 **(Ger)**

[Drug dependence in the context of malingering] Cutrufello R. **Minerva Med** 1983 May 12;74(20):1199-203 **(Ita)**

[Psychologic study of a group of drug dependent patients hospitalized for acute viral hepatitis] Cerrato G, et al. **Minerva Psichiatr** 1983 Apr-Jun;24(2):47-52 (Eng. Abstr.) **(Ita)**

[Determination of the development of psychotic dependence to drugs in small animals. 2. Selective drinking of morphine and cocaine solutions and its reinforcement in mice] Kaneto H, et al. **Yakubutsu Seishin Kodo** 1981 Oct;1(1):5-12 (Eng. Abstr.) **(Jpn)**

[Determination of the development of psychotic dependence to drugs in small animals. 4. Selective drinking of barbital and ethanol solutions by mice] Kosaka N, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):61-8 (Eng. Abstr.) **(Jpn)**

REHABILITATION

Retention in outpatient drug free treatment clinics. Joe GW, et al. **Addict Behav** 1983;8(3):219-34

Therapeutic communities: what are the retention rates? De Leon G, et al. **Am J Drug Alcohol Abuse** 1984;10(2):267-84

Five-year evaluation of a dental care delivery system for drug addicts in Denmark. Scheutz F. **Community Dent Oral Epidemiol** 1984 Feb;12(1):29-34

The addiction hospital: current status and an assessment. Westermeyer J. **Drug Alcohol Depend** 1984 Mar;13(2):133-7

Pharmacokinetics of methadone in methadone maintenance treatment: characterization of therapeutic failures. Nilsson MI, et al. **Eur J Clin Pharmacol** 1983;25(4):497-501

Legal coercion and retention in drug abuse treatment. Collins JJ, et al. **Hosp Community Psychiatry** 1983 Dec; 34(12):1145-9

Cranial electrotherapy stimulation treatment of cognitive brain dysfunction in chemical dependence. Schmitt R, et al. **J Clin Psychiatry** 1984 Feb;45(2):60-1, 62-3

Proverbs, slogans and folk sayings in the therapeutic community: a neglected therapeutic tool. Bassin A. **J Psychoactive Drugs** 1984 Jan-Mar;16(1):51-6

The drug-free therapeutic community and the impaired physician. Carlson HB. **J Psychoactive Drugs** 1984 Jan-Mar;16(1):69-71

Marathon: a life-and-death experience. Hoag J, et al. **J Psychoactive Drugs** 1984 Jan-Mar;16(1):47-50

The role of the psychotherapist in the reentry program. Vos H. **J Psychoactive Drugs** 1984 Jan-Mar;16(1):91-3

Separational conflicts and their impact on the therapeutic community. Vos H. **J Psychoactive Drugs** 1984 Jan-Mar; 16(1):57-62

Drug addiction. Deitch R. **Lancet** 1984 May 5; 1(8384):1029-30

The Nova Scotia Commission on Drug Dependency: public

involvement in a public health problem. Burke MM. **Med Law** 1984;3(3):273–86
A personal nightmare. Mullinax CW. **Ohio State Med J** 1984 Jun;80(6):461–2
Propoxyphene dependence: problems in management. D'Abadie NB, et al. **South Med J** 1984 Mar;77(3):299–301

THERAPY

Addiction and anesthesiology. Spiegelman WG, et al. **Anesthesiology** 1984 Apr;60(4):335–41
WHO role and research programme on drug dependence. Arif A. **Ann Ist Super Sanita** 1982;18(4):699–704
Conversation with David Archibald [interview] Archibald HD. **Br J Addict** 1984 Jun;79(2):131–7
Benzodiazepines on trial [editorial] Tyrer PJ. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1101–2
Treatment of cocaine abuse. Horberg LK, et al. **Curr Psychiatr Ther** 1983;22:177–87
A clinical sociology approach to treatment of deviants: the case of drug addicts. Ben-Yehuda N. **Drug Alcohol Depend** 1984 May;13(3):267–82
A proposal for a monitoring and aversive feedback device to maintain drug abstinence or controlled drug use. Brown CJ. **Int J Addict** 1983 Oct;18(7):1029–31
Treating the drug user: built-in conceptual problems. Einstein S. **Int J Addict** 1983 Jul;18(5):iii–vii
Countertransferential and attitudinal considerations in the treatment of drug abuse and addiction. Imhof J, et al. **Int J Addict** 1983 May;18(4):491–510
Social change in a therapeutic community. Page RC. **Int J Addict** 1983 Aug;18(6):769–76
Cocaine aroma in the treatment of cocaine dependency [letter] Siegel RK. **J Clin Psychopharmacol** 1984 Feb; 4(1):61–2
The FMA–FMF Impaired Physicians Program: the first 25 months. Selander GT, et al. **J Fla Med Assoc** 1983 Oct; 70(10):907–11
A case of the narcotic factor. Morse RH. **J La State Med Soc** 1984 Jan;136(1):24–6
Guidelines for Optimal Handling of Chemically Impaired Physicians in a Hospital Setting. **J Med Soc NJ** 1983 Aug; 80(8):601–3
The therapeutic community: a sociobiologic study. Frye RV. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):27–33
Why two therapeutic communities? Jones M. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):23–6
The therapeutic community: a current perspective. O'Brien WB, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):9–21
Gestalt techniques in a therapeutic community for the treatment of addicts. Zarcone V Jr. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):43–6
Alcohol and drug dependency in Saskatchewan, 1969–1974. D'Arcy C, et al. **J Stud Alcohol** 1983 Jul;44(4):630–46
Inpatient versus outpatient treatment of substance misuse in hospitals, 1975–1980. Knowles PL. **J Stud Alcohol** 1983 Mar;44(2):384–7
Prognosis of physicians treated for alcoholism and drug dependence. Morse RM, et al. **JAMA** 1984 Feb 10; 251(6):743–6
The role of behavioral contingency management in drug abuse treatment. Bigelow GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:36–52
Contingency contracting treatment of drug-abusing physicians, nurses, and dentists. Crowley TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:68–83
Therapeutic application of behavioral techniques: an overview. Grabowski J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:1–7
Behavioral treatment of drug dependence. Pickens RW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:53–67
Behavioral intervention techniques in drug abuse treatment: summary of discussion. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;46:147–57
A contingency analysis of family treatment and drug abuse. Todd TC. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 46:104–14
Caffeine—a drug with multiple points of entry. Khoury GC, et al. **NC Med J** 1984 Apr;45(4):225–6
The impaired physician. Where we are in Ohio and where we need to go. Kennedy WJ. **Ohio State Med J** 1984 Mar; 80(3):159–60
[Overview of Amsterdam drug assistance] Kerssemakers RP, et al. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):263–4 **(Dut)**
[Aid to drug addicts] Rengelink H. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):259–60 **(Dut)**
[Management in (heroin) addiction in the general hospital] Sluijs TA. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):266–8 **(Dut)**
[Treatment of tobacco dependence] Bobon D. **Rev Med Liege** 1983 Sep 1;38(17):667–9 **(Fre)**
[Caring for drug addicts: possibilities in French-speaking Switzerland] Calanca A, et al. **Rev Med Suisse Romande** 1984 Feb;104(2):131–8 **(Fre)**
[Psychotherapy with the unwilling patient] Madert KK. **Drug Alcohol Depend** 1984 May;13(3):283–95 (Eng. Abstr.) **(Ger)**
[Treatment results in drug addiction] Täschner KL. **Lebensversicherungsmedizin** 1984 Mar 22;36(3):49–53 (Eng. Abstr.) **(Ger)**
[Community short-term therapy of addicts as influenced by the identity of the insurer—the East Bremen example] Spengler C. **Psychiatr Prax** 1984 Jan;11(1):26–31 (Eng. Abstr.) **(Ger)**
[Long-term therapy of juvenile drug addicts in the hospital as shown at the Erlenhof therapeutic facility] Rittmannsberger H. **Wien Med Wochenschr** 1984 Jun 30; 134(12):297–301 (Eng. Abstr.) **(Ger)**
[Treatment of nicotinism] Marakulin VS, et al. **Voen Med Zh** 1984 Jan;(1):55–8 **(Rus)**
[Benzodiazepine addiction] Vujošević K, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):446–7, 452 **(Scr)**

URINE

[Urine studies of drug addicts and rehabilitees (letter)] Seiler D. **Dtsch Med Wochenschr** 1984 Jan 20;109(3):115–6 **(Ger)**
[Detection of narcotic drugs in the urine. A 2-year case material from Health Region IV] Rygnestad T, et al. **Tidsskr Nor Laegeforen** 1984 Jun 20;104(17–18):1242–5 (Eng. Abstr.) **(Nor)**

SUBSTANCE P

Self-association of the neuroregulatory peptide substance P and Its C-terminal sequences. Rueger M, et al. **Biopolymers** 1984 Apr;23(4):747–58

ADMINISTRATION & DOSAGE

The effects of intravenous substance P infusion on hemodynamics and regional blood flow in conscious dogs. Yeo CJ, et al. **Surgery** 1984 Feb;95(2):175–82

ANALOGS & DERIVATIVES

Antagonists of substance P from emphasis on position 11. Folkers K, et al. **Acta Chem Scand [B]** 1983;37(7):623–7
Inhibition of antidromically induced stimulation of gastric motility by substance P receptor blockade. Delbro D, et al. **Acta Physiol Scand** 1983 Aug;118(4):309–16
A substance P antagonist inhibits heat-induced oedema in the rat skin. Lundberg JM, et al. **Acta Physiol Scand** 1984 Jan;120(1):145–6
Effects of the substance P antagonist, (D-Arg1, D-Pro2, D-Trp7,9, Leu11)-SP on the miotic response to substance P, antidromic trigeminal nerve stimulation, capsaicin, prostaglandin E1, compound 48/80 and histamine. Mandahl A, et al. **Acta Physiol Scand** 1984 Jan;120(1):27–35
Effect of substance P antagonist on the hypoxia-induced carotid chemoreceptor activity. Prabhakar NR, et al. **Acta Physiol Scand** 1984 Jul;121(3):301–3
Inhibition of smooth muscle contractions induced by capsaicin and electrical transmural stimulation by a substance P antagonist. Björkroth U. **Acta Physiol Scand [Suppl]** 1983;515:11–6
Neuronally mediated non-cholinergic contraction of guinea-pig bronchial smooth muscle is inhibited by a substance P antagonist. Leander S, et al. **Agents Actions** 1984 Apr;14(3–4):315–8
Substance P: structural requirements for the activation of brain catecholamine synthesis and locomotor activity in rats. García-Sevilla JA, et al. **Arzneimittelforsch** 1983; 33(9):1249–54
A study of [D-Pro2, D-Phe7, D-Trp9]-substance P and [D-Trp7,9]-substance P as tachykinin partial agonists in the rat colon. Bailey SJ, et al. **Br J Pharmacol** 1984 Jun; 82(2):441–51
Contractile responses to substance P and related peptides of the isolated muscularis mucosae of the guinea-pig oesophagus. Kamikawa Y, et al. **Br J Pharmacol** 1984 Jan; 81(1):143–9
Pharmacological characterization of a substance P antagonist, [D-Arg1,D-Pro2,D-Trp7,9,Leu11]-substance P. Watson SP. **Br J Pharmacol** 1983 Sep;80(1):205–9
Undeca- and octa-peptide antagonists for substance P, a study on the guinea pig trachea. Mizrahi J, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):193–202
Partial agonists and antagonists for substance P. Mizrahi J, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):139–40
Long-term administration of a substance P antagonist, (D-Pro2, D-Trp7,9)-SP, abolishes the response to ocular trauma. Bynke G, et al. **Experientia** 1984 Apr 15; 40(4):368–9
Specific binding of a 125I-labeled substance P analog to rat submaxillary gland. Bahouth SW, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):116–23
An approach to the self regulatory mechanism of substance P actions: II. Biological activity of new synthetic peptide analogs related both to enkephalin and substance P. Lipkowski AW, et al. **Life Sci** 1983;33 Suppl 1:141–4
A synthetic peptide that is a bombesin receptor antagonist. Jensen RT, et al. **Nature** 1984 May 3–9;309(5963):61–3
Inhibition of cigarette smoke-induced oedema in the nasal mucosa by capsaicin pretreatment and a substance P antagonist. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):181–5
A comparison of the release of substance P and some synthetic analogues from micropipettes by microiontophoresis or pressure. Dray A, et al. **Neuropharmacology** 1983 Jul;22(7):859–63
Behavioural responses induced by intrathecal injection of 5-hydroxytryptamine in mice are inhibited by a substance P antagonist, D-Pro2, D-Trp7,9-substance P. Fasmer OB, et al. **Neuropharmacology** 1983 Dec;22(12A):1397–400
A specific substance P antagonist attenuates non-cholinergic electrically induced contractures of the guinea pig isolated ileum. Gintzler AR, et al. **Neurosci Lett** 1983 Sep 19; 40(1):75–9
Modulation of isolation-induced fighting by N- and C-terminal analogs of substance P: evidence for multiple recognition sites. Hall ME, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):85–9
Synthesis of substance P antagonists: [D-Pro4, D-Trp7,9,Nle11]-substance P(4–11). Köller G, et al. **Pharmazie** 1984 Jan;39(1):65–7
[Synergistic receptor subtypes: an explanation for reserve receptors and for different intrinsic activities of full and partial agonists. Studies on the effect of substance P and its analogs on guinea pig ileum] Bergmann J. **Biomed Biochim Acta** 1983;42(7–8):1005–18 (Eng. Abstr.) **(Ger)**
[Effects of substance P antagonist on laser-induced pupillary constriction] Sakimoto G, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1380–3 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Origin and distribution of capsaicin-sensitive substance P-immunoreactive nerves in the nasal mucosa. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec; 96(5–6):485–93
Neurotensin and substance P immunoreactive nerve endings in the guinea pig carotid sinus and their ultrastructural counterparts. Gorgas K, et al. **Anat Embryol (Berl)** 1983; 167(3):347–54
Substance P-like immunoreactivity in the pulp–dentine zone of human molar teeth demonstrated by indirect immunofluorescence. Wakisaka S, et al. **Arch Oral Biol** 1984;29(1):73–5
Ultrastructure of chemically defined neuron systems in the dorsal horn of the monkey. I. Substance P immunoreactivity. de Lanerolle NC, et al. **Brain Res** 1983 Sep 5;274(1):31–49
Differential changes in substance P and somatostatin in brain nuclei of rats exposed to hemorrhagic shock. Feuerstein G, et al. **Brain Res** 1984 May 23;300(2):305–10
Populations of substance P, Met-enkephalin and serotonin immunoreactive neurons in the interpeduncular nucleus of cat: cytoarchitectonics. Kapadia SE, et al. **Brain Res** 1984 Jun 4;302(1):33–43
Spectrophotometry of cerebral cytochrome a, a3 in bloodless rats. Piantadosi CA, et al. **Brain Res** 1984 Jul 2;305(1):89–94
Characterization and localization of immunoreactive dynorphin, alpha-neo-endorphin, Met-enkephalin and substance P in human spinal cord. Przewłocki R, et al. **Brain Res** 1983 Nov 28;280(1):95–103
A comparison of the effects of kainic acid on somatostatin, substance P and dopamine in the rabbit retina. Sagar SM, et al. **Brain Res** 1983 Nov 14;278(1–2):109–15
The effects of p-chlorophenylalanine (PCPA) treatment on the substance P content measured in discrete brain nuclei of normal and neonatally-induced hypothyroid rats. Savard P, et al. **Brain Res** 1984 Feb 6;292(2):349–55
Substance P immunoreactivity in the post-mortem parkinsonian brain. Tenovuo O, et al. **Brain Res** 1984 Jun 11;303(1):113–6
Recovery of substance P but not somatostatin in the cat spinal cord after unilateral lumbosacral dorsal rhizotomy: a quantitative study. Tessler A, et al. **Brain Res** 1984 Jul 2;305(1):95–102
Sex-related difference in substance P level in rat anterior pituitary: a model of neonatal imprinting by testosterone. Yoshikawa K, et al. **Brain Res** 1983 Aug 29;273(2):362–5
Substance P and serotonin immunoreactivity in the rat inferior olive. Bishop GA, et al. **Brain Res Bull** 1984 Jan; 12(1):105–13
Substance P: localization, concentration and release in cerebral arteries, choroid plexus and dura mater. Edvinsson L, et al. **Cell Tissue Res** 1983;234(1):1–7
Dopamine-beta-hydroxylase-, neurotensin-, substance P-, vasoactive intestinal polypeptide- and enkephalin-immunohistochemistry of paravertebral and prevertebral ganglia in the cat. Heym C, et al. **Cell Tissue Res** 1984;235(2):411–8
Substance P-immunoreactive sensory nerves in the lower respiratory tract of various mammals including man. Lundberg JM, et al. **Cell Tissue Res** 1984;235(2):251–61
Increase in SP-like immunoreactivity in nerve fibres of rabbit iris and ciliary body one to four months following sympathetic denervation. Cole DF, et al. **Exp Eye Res** 1983 Aug;37(2):191–7
Substance P-containing nerves in the human small intestine. Distribution, ultrastructure, and characterization of the immunoreactive peptide. Llewellyn-Smith IJ, et al. **Gastroenterology** 1984 Mar;86(3):421–35
Origins and three-dimensional distribution of substance P-containing structures on the rat stomach using whole-mount tissue. Minagawa H, et al. **Gastroenterology** 1984 Jan;86(1):51–9
Sensory substance P innervation of the stomach and pancreas. Demonstration of capsaicin-sensitive sensory neurons in the rat by combined immunohistochemistry and retrograde tracing. Sharkey KA, et al. **Gastroenterology** 1984 Oct; 87(4):914–21
VIP-, substance P- and met-enkephalin-immunoreactive

innervation of the human gastroduodenal mucosa and Brunner's glands. Ferri GL, et al. **Gut** 1984 Sep; 25(9):948–52

Positive reaction of the nuclear bag1 fibre type in muscle spindles of normal and denervated rat muscles after reaction with antibodies against substance P. Soukup T, et al. **Histochem J** 1984 Apr;16(4):388–90

Substance P-like immunoreactive trigeminal ganglion cells supplying the cornea. Lehtosalo JI. **Histochemistry** 1984; 80(3):273–6

The lacrimal glands of the rat and the guinea pig are innervated by nerve fibers containing immunoreactivities for substance P and vasoactive intestinal polypeptide. Nikkinen A, et al. **Histochemistry** 1984;81(1):23–7

Immunochemical analysis of substance P using its synthetic fragments and analogs. Cierniewski CS, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):499–502

Overall distribution of substance P nerves in the rat cornea and their three-dimensional profiles. Sasaoka A, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):351–6

Experimental immunohistochemical studies on the substance P neuron system in the lateral habenular nucleus of the rat: distribution and origins. Shinoda K, et al. **J Comp Neurol** 1984 Feb 1;222(4):578–88

Radioimmunocytochemistry using a tritiated goat anti-rabbit second antibody. Glazer EJ, et al. **J Histochem Cytochem** 1984 Jul;32(7):778–82

Visualization of peptide-immunoreactive processes on serotonin-immunoreactive cells using two-color immunoperoxidase staining. Hancock MB. **J Histochem Cytochem** 1984 Mar;32(3):311–4

The regeneration of substance P-containing nerve fibers in the process of burn wound healing in the guinea pig skin. Kishimoto S. **J Invest Dermatol** 1984 Sep;83(3):219–23

Substance P-like immunoreactivity in the rabbit inner ear. Ylikoski J, et al. **J Laryngol Otol** 1984 Aug;98(8):759–65

Distribution of spinal cord nerve endings containing various neurotransmitters on a continuous density gradient. Bucsics A, et al. **J Neurochem** 1984 Mar;42(3):692–7

Substance P-containing pathways to avian sympathetic preganglionic neurons: evidence for major spinal-spinal circuitry. Davis BM, et al. **J Neurosci** 1984 Aug; 4(8):2145–59

The development of peptidergic neurons in the foregut of the chick. Epstein ML, et al. **J Neurosci** 1983 Dec; 3(12):2431–47

Evidence for 5-hydroxytryptamine, substance P, and thyrotropin-releasing hormone in neurons innervating the phrenic motor nucleus. Holtman JR Jr, et al. **J Neurosci** 1984 Apr;4(4):1064–71

Immunohistochemical localization of bombesin/gastrin-releasing peptide and substance P in primary sensory neurons. Panula P, et al. **J Neurosci** 1983 Oct;3(10):2021–9

Increases of substance P-like immunoreactivity within striatal-nigral structures after subacute methamphetamine treatment. Ritter JK, et al. **J Pharmacol Exp Ther** 1984 May;229(2):487–92

An ion exchange chromatography and radioimmunoassay procedure for measuring opioid peptides and substance P. Bergström L, et al. **Life Sci** 1983 Oct 17;33(16):1613–9

Partial characterization of immunoreactive substance P in the rat pituitary gland. DePalatis LR, et al. **Life Sci** 1984 Jan 16;34(3):225–38

Light microscopic autoradiographic localization of [3H] substance P binding sites in rat thoracic spinal cord. Maurin Y, et al. **Life Sci** 1984 Apr 30;34(18):1713–6

Substance P in the ascending cholinergic reticular system. Vincent SR, et al. **Nature** 1983 Dec 15–21;306(5944):688–91

Acute changes in nigral substance P content induced by drugs acting on dopamine, muscarine and GABA receptors. Koshiya K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):223–7

A comparison of the release of substance P and some synthetic analogues from micropipettes by microiontophoresis or pressure. Dray A, et al. **Neuropharmacology** 1983 Jul;22(7):859–63

Neocortical substance P neurons in the baboon: an immunohistochemical finding. Beach TG, et al. **Neurosci Lett** 1983 Nov 11;41(3):265–70

Immunohistochemical localization of substance P in anencephalic human fetus spinal cord. Charnay Y, et al. **Neurosci Lett** 1983 Oct 10;40(3):239–43

Pia arachnoid contains substance P originating from trigeminal neurons. Liu-Chen LY, et al. **Neuroscience** 1983 Aug;9(4):803–8

The substance P content of peripheral tissues in several mammals. Bucsics A, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):451–5

Distribution and origin of bombesin, substance P and somatostatin in cat spinal cord. Massari VJ, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):673–81

Organization and interrelationship of neuropeptides in the central amygdaloid nucleus of the rat. Wray S, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):525–41

Immunohistochemical localization of substance P, vasoactive intestinal polypeptide and gastrin-releasing peptide in vas deferens and seminal vesicle, and the effect of these and eight other neuropeptides on resting tension and neurally evoked contractile activity. Stjernquist M, et al. **Regul Pept** 1983 Sep;7(1):67–86

Plasticity of substance P in mature and aged sympathetic neurons in culture. Adler JE, et al. **Science** 1984 Sep 28; 225(4669):1499–500

Peptidergic innervation irregularities in Hirschsprung's disease. Immunohistochemistry—radioimmunoassay. Taguchi T, et al. **Virchows Arch [A]** 1983;401(2):223–35

[Ultrastructural and immunohistochemical study of substance P in human dental pulp] Corvetti G, et al. **Arch Ital Anat Embriol** 1983 Apr–Jun;88(2):165–76 (Eng. Abstr.) **(Ita)**

[Changes of neuropeptides in the patient with progressive supranuclear palsy—distribution of substance P, somatostatin and neurotensin in the brain] Fujiyoshi K, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):17–22 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Effects of the substance P antagonist, (D-Arg1, D-Pro2, D-Trp7,9, Leu11)-SP on the miotic response to substance P, antidromic trigeminal nerve stimulation, capsaicin, prostaglandin E1, compound 48/80 and histamine. Mandahl A, et al. **Acta Physiol Scand** 1984 Jan;120(1):27–35

Effect of substance P antagonist on the hypoxia-induced carotid chemoreceptor activity. Prabhakar NR, et al. **Acta Physiol Scand** 1984 Jul;121(3):301–3

Neuronally mediated non-cholinergic contraction of guinea-pig bronchial smooth muscle is inhibited by a substance P antagonist. Leander S, et al. **Agents Actions** 1984 Apr;14(3–4):315–8

Interaction of substance P antagonists with substance P receptors on dispersed pancreatic acini. Jensen RT, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):181–91

[D-Met2, Pro5]enkephalinamide and dynorphin-(1-13) inhibit the cholinergic contraction induced in the guinea-pig ileum by substance P. Holzer P, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):83–8

Partial agonists and antagonists for substance P. Mizrahi J, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):457–8

Undeca- and octa-peptide antagonists for substance P, a study on the guinea pig trachea. Mizrahi J, et al. **Eur J Pharmacol** 1984 Mar 23;99(2–3):193–202

Receptors for substance P. III. Classification by competitive antagonists. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):179–89

Long-term administration of a substance P antagonist, (D-Pro2, D-Trp7,9)-SP, abolishes the response to ocular trauma. Bynke G, et al. **Experientia** 1984 Apr 15; 40(4):368–9

Effects of the putative substance P antagonists (D-PRO2, D-PHE7, D-TRP9, and D-PRO2, D-TRP7, D-TRP9) on electrical activity of myenteric neurons. Nemeth PR, et al. **J Auton Nerv Syst** 1983 Jun;8(2):165–9

Capsaicin-induced reflex fall in rat blood pressure is mediated by afferent substance P-containing neurones via a reflex centre in the brain stem. Donnerer J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):293–5

Inhibitory effects of procaine on the contractile responses of the guinea-pig taenia caecum to acetylcholine, substance P and potassium chloride. Ishii T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):175–80

Inhibition of cigarette smoke-induced oedema in the nasal mucosa by capsaicin pretreatment and a substance P antagonist. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):181–5

Intranigral application of substance P antagonists prevents the haloperidol-induced activation of striatal tyrosine hydroxylase. Melis MR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):83–6

Behavioural responses induced by intrathecal injection of 5-hydroxytryptamine in mice are inhibited by a substance P antagonist, D-Pro2, D-Trp7,9-substance P. Fasmer OB, et al. **Neuropharmacology** 1983 Dec;22(12A):1397–400

The effect of calcium ions on the responses to motoneurons to substance P and eledoisin-related peptide in the toad and rat spinal cord. Spence I, et al. **Neuroscience** 1984 Jun; 12(2):629–35

Substance P—structure-activity studies and the development of antagonists. Regoli D, et al. **Pharmacology** 1984; 28(6):301–20 (47 ref.)

Synthesis of substance P antagonists: [D-Pro4, D-Trp7,9,Nle11]-substance P(4–11). Köller G, et al. **Pharmazie** 1984 Jan;39(1):65–7

[Effects of substance P antagonist on laser-induced pupillary constriction] Sakimoto G, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1380–3 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Substance P—positive structures in rat spinal cord—a longitudinal bundle ventral to the central canal. Changgeng Z, et al. **Anat Anz** 1983;154(3):193–203

In vivo biosynthesis of [35S]- and [3H]substance P in the striatum of the rat and their axonal transport to the substantia nigra. Krause JE, et al. **J Neurosci** 1984 Mar; 4(3):775–85

BLOOD

The effect of carcinoid levels of serotonin and substance P on hemodynamics. Zinner MJ, et al. **Ann Surg** 1984 Feb; 199(2):197–204

Evidence of decreased plasma substance P levels in human essential hypertension and influence of prazosin treatment. Faulhaber HD, et al. **Biomed Biochim Acta** 1983; 42(7–8):1019–25

Elevated concentrations of substance P and 5-HT in plasma in patients with carcinoid tumors. Emson PC, et al. **Cancer** 1984 Aug 15;54(4):715–8

Substance P is markedly increased in plasma of patients with hepatic coma. Hörtnagl H, et al. **Lancet** 1984 Mar 3; 1(8375):480–3

[Behavior of blood pressure and substance P-like immunoreactivity (SPLIR) in plasma of rats with genetically fixed hypertension (SHR) under chronic intermittent immobilization] Roske I, et al. **Biomed Biochim Acta** 1983;42(6):731–6 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Methionine-enkephalin, substance P, and homovanillic acid in the CSF of parkinsonian patients. Pezzoli G, et al. **Neurology (NY)** 1984 Apr;34(4):516–9

Changes in the concentration of somatostatin and substance P in the cerebrospinal fluid following injection of alcohol into the pituitary gland. Conlon JM, et al. **Neuropeptides** 1984 May;4(3):227–36

[Analgesic mechanism of epidural electric stimulation of the spinal column—changes in the concentrations of beta-endorphin, substance P, catecholamines and cyclic nucleotides in the cerebrospinal fluid] Shimoji K, et al. **Masui** 1983 Aug;32(8):914–23 (Eng. Abstr.) **(Jpn)**

GENETICS

Nucleotide sequences of cloned cDNAs for two types of bovine brain substance P precursor. Nawa H, et al. **Nature** 1983 Nov 3–9;306(5938):32–6

IMMUNOLOGY

Reduced substance P-like immunoreactivity in hereditary sensory neuropathy of pointer dogs. Cummings JF, et al. **Acta Neuropathol (Berl)** 1984;63(1):33–40

Substance P--positive structures in rat spinal cord—a longitudinal bundle ventral to the central canal. Changgeng Z, et al. **Anat Anz** 1983;154(3):193–203

Immunogenic and antigenic properties of the COOH-terminal hexapeptide of substance P. Babińska A, et al. **Mol Immunol** 1984 Aug;21(8):727–30

Acupuncture mechanisms in rabbits studied with microinjection of antibodies against beta-endorphin, enkephalin and substance P. Han JS, et al. **Neuropharmacology** 1984 Jan;23(1):1–5

Coexistence of substance P- and methionine5-enkephalin-like immunoreactivity in nerve cells of the myenteric ganglia in the cat ileum. Domoto T, et al. **Neurosci Lett** 1984 Jun 1;47(1):9–13

Immunoreactive substance P in the tubero-hypophyseal system of the rat: selective decrease in the neural lobe after dehydration and sodium loading. Holzbauer M, et al. **Neurosci Lett** 1984 Jun 1;47(1):23–8

Distribution of substance P-like immunoreactivity in the spinal cord and dorsal root ganglia of the human foetus and infant. Charnay Y, et al. **Neuroscience** 1983 Sep; 10(1):41–55

Substance P immunoreactivity in normal human retina and in retinoblastoma. Tarkkanen A, et al. **Ophthalmic Res** 1983; 15(6):300–6

Substance P immunoreaction and acetylcholinesterase activity in the cornea and Gasserian ganglion. Tervo T, et al. **Ophthalmic Res** 1983;15(6):280–8

METABOLISM

Ultrastructural identification of substance P cells and processes in the rat myenteric plexus. Fehér E, et al. **Acta Morphol Hung** 1984;32(1):23–9

Substance P fibres in the anterior segment of the rabbit eye. Ehinger B, et al. **Acta Physiol Scand** 1983 Jul;118(3):215–8

Effects and distribution of vagal capsaicin-sensitive substance P neurons with special reference to the trachea and lungs. Lundberg JM, et al. **Acta Physiol Scand** 1983 Nov; 119(3):243–52

Interaction of substance P with dispersed pancreatic acinar cells from the guinea pig. Relationships between structure, binding and biological activity. Sjödin L, et al. **Acta Physiol Scand** 1984 Jan;120(1):21–6

A new feature of angiotensin-converting enzyme in the brain: hydrolysis of substance P. Yokosawa H, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):735–42

Substance P degrading systems of rat parotid and hypothalamus. Wormser U, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):28–36

Substance P-like immunoreactivity in plasma and adrenal medulla of rats with spontaneous hypertension and WKY rats under acute stress. Rathsack R, et al. **Biomed Biochim Acta** 1983;42(7–8):955–8

Rapid degradation of [3H]-substance p in guinea-pig ileum and rat vas deferens in vitro. Watson SP. **Br J Pharmacol** 1983 Jun;79(2):543–52

Changes in substance P concentrations after protein synthesis inhibition provide an index of substance P utilization. Bannon MJ, et al. **Brain Res** 1984 May 28;301(1):184–6

Simultaneous expression of the SP–peptidergic and noradrenergic phenotypes in rat sympathetic neurons. Bohn MC, et al. **Brain Res** 1984 Apr 30;298(2):378–81

Immunohistochemical localization and dilatatory effect of substance P on human cerebral vessels. Edvinsson L, et al. **Brain Res** 1982 Jan 28;232(2):466–71

Substance P release from K+–depolarized rat brain synaptosomes at one–second resolution. Floor E. **Brain Res** 1983 Nov 21;279(1–2):321–4

A novel substance P pathway linking the dorsal and ventral horn in the upper lumbar segments of the rat spinal cord. Gibson SJ, et al. **Brain Res** 1984 Jun 3;301(2):243–51

Action of intrathecal capsaicin and its structural analogues on the content and release of spinal substance P: selectivity of action and relationship to analgesia. Jhamandas K, et al. **Brain Res** 1984 Jul 23;306(1–2):215–25

Coexistence of immunoreactive substance P and serotonin in neurones of the gut. Legay C, et al. **Brain Res** 1984 Jun 8;302(2):379–82

Axoplasmic transport of somatostatin and substance P in the vagus nerve of the rat, guinea pig and cat. MacLean DB, et al. **Brain Res** 1984 Jul 30;307(1–2):135–45

Immunocytochemical studies of substance P and leucine–enkephalin in Huntington's disease. Marshall PE, et al. **Brain Res** 1983 Dec 19;289(1–2):11–26

Substance P in the chick retina: effects of light and dark. Millar TJ, et al. **Brain Res** 1984 Jul 30;307(1–2):303–9

Loss of substance P and enkephalin immunoreactivity in the human substantia nigra after striato–pallidal infarction. Pioro EP, et al. **Brain Res** 1984 Feb 6;292(2):339–47

Invasion of lumbosacral ventral roots and spinal pia mater by substance P–immunoreactive axons after sciatic nerve lesion in kittens. Risling M, et al. **Brain Res** 1984 Jul 30; 307(1–2):351–4

Distribution of substance P–responsive and nociceptive neurones in relation to substance P–immunoreactivity within the caudal trigeminal nucleus of the rat. Salt TE, et al. **Brain Res** 1983 Aug 29;273(2):217–28

Comparative effects of neonatal hypothyroidism and euthyroidism on TRH and substance P content of lumbar spinal cord in saline and PCPA–treated rats. Savard P, et al. **Brain Res** 1983 Oct 31;277(2):263–8

Substance P in the rat parotid gland: evidence for a dual origin from the otic and trigeminal ganglia. Sharkey KA, et al. **Brain Res** 1984 Jun 25;304(2):392–6

Hypothalamic substance P–containing neurons. Sex–dependent topographical differences and ultrastructural transformations associated with stages of the estrous cycle. Tsuruo Y, et al. **Brain Res** 1984 Jul 9; 305(2):331–41

Substance P–like immunoreactive neurons in the tuberoinfundibular area of rat hypothalamus. Light and electron microscopy. Tsuruo Y, et al. **Brain Res** 1983 Dec 19;289(1–2):1–9

Localization of substance P, acetylcholinesterase, muscarinic receptors and alpha–bungarotoxin binding sites in the rat interpeduncular nucleus. Rotter A, et al. **Brain Res Bull** 1984 Jan;12(1):83–94

Development and regulation of substance P in sensory neurons in vitro. Adler JE, et al. **Dev Biol** 1984 Apr; 102(2):417–25

Target organ regulation of substance P in sympathetic neurons in culture. Kessler JA, et al. **Dev Biol** 1984 May; 103(1):71–9

Regulation by thyroid hormone of the concentration of substance P in the rat anterior pituitary. Aronin N, et al. **Endocrinology** 1984 Jun;114(6):2138–42

Bradykinin contracts the pupillary sphincter and evokes ocular inflammation through release of neuronal substance P. Bynke G, et al. **Eur J Pharmacol** 1983 Aug 5; 91(4):469–75

Binding of [3H]substance P to putative substance P receptors in rat brain membranes. Perrone MH, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):131–3

Experimental immunohistochemical studies on the distribution and origins of substance P in the medial preoptic area of the rat. Takatsuki K, et al. **Exp Brain Res** 1983;53(1):183–92

Comparative distribution of vasoactive intestinal polypeptide (VIP), substance P and PHI in the enteric sphincters of the cat. McGregor GP, et al. **Experientia** 1984 May 15; 40(5):469–71

Sensory innervation of the rat portal vein and the hepatic artery. Barja F, et al. **J Auton Nerv Syst** 1984 Apr; 10(2):117–25

Capsaicin–induced depletion of substance P–like immunoreactivity in guinea pig sympathetic ganglia. Dalsgaard CJ, et al. **J Auton Nerv Syst** 1983 Dec; 9(4):595–606

Detection of substance P–like immunoreactivity in nerve fibers in the heart of guinea–pigs but not rats. Hougland MW, et al. **J Auton Nerv Syst** 1983 Jul;8(3):295–301

A light and electron microscopic immunohistochemical study of vasoactive intestinal polypeptide– and substance P–containing nerve fibers along the cerebral blood vessels: comparison with aminergic and cholinergic nerve fibers. Itakura T, et al. **J Cereb Blood Flow Metab** 1984 Sep; 4(3):407–14

The substance P–containing striatotegmental path in reptiles: an immunohistochemical study. Brauth SE, et al. **J Comp Neurol** 1983 Sep 20;219(3):305–27

Distribution of enkephalin, substance P, tyrosine hydroxylase, and 5–hydroxytryptamine immunoreactivity in the septal region of the rat. Gall C, et al. **J Comp Neurol** 1984 May 10;225(2):212–27

Substance P and catecholaminergic expression in neurons of the hamster main olfactory bulb. Kream RM, et al. **J Comp Neurol** 1984 Jan 1;222(1):140–54

Co–localization of retrogradely transported wheat germ agglutinin and the putative neurotransmitter substance P within trigeminal ganglion cells projecting to cat middle cerebral artery. Liu–Chen LY, et al. **J Comp Neurol** 1984 May 10;225(2):187–92

Substance P, neurotensin, enkephalin, and catecholamine–synthesizing enzymes: light microscopic localizations compared with autoradiographic label in solitary efferents to the rat parabrachial region. Milner TA, et al. **J Comp Neurol** 1984 Jul 1;226(3):434–47

Comparative distribution of bombesin/GRP– and substance–P–like immunoreactivities in rat hypothalamus. Panula P, et al. **J Comp Neurol** 1984 Apr 20;224(4):606–17

The distribution of substance P in turtle nervous system: a radioimmunoassay and immunohistochemical study. Reiner A, et al. **J Comp Neurol** 1984 Jun 10;226(1):50–75

Distribution of immunoreactive substance P neurons in the hypothalamus and pituitary of the rhesus monkey. Rønnekleiv OK, et al. **J Comp Neurol** 1984 Mar 20; 224(1):51–9

Colonization of the developing murine enteric nervous system and subsequent phenotypic expression by the precursors of peptidergic neurons. Rothman TP, et al. **J Comp Neurol** 1984 May 1;225(1):13–23

Presence of somatostatin, enkephalins, and substance P–like peptides in cultured neurons from embryonic chick cerebral hemispheres. Louis JC, et al. **J Neurochem** 1983 Oct; 41(4):930–8

Neuropeptide modulation of photosensitivity. I. Presence, distribution, and characterization of a substance P–like peptide in the lateral eye of Limulus. Mancillas JR, et al. **J Neurosci** 1984 Mar;4(3):832–46

Substance P in the bovine retina: localization, identification, release, uptake and receptor analysis. Osborne NN. **J Physiol (Lond)** 1984 Apr;349:83–93

Carboxyl–terminal tripeptidyl hydrolysis of substance P by purified rabbit lung angiotensin–converting enzyme and the potentiation of substance P activity in vivo by captopril and MK–422. Cascieri MA, et al. **Mol Pharmacol** 1984 Mar; 25(2):287–93

Correlation between inositol phospholipid hydrolysis and substance P receptors in rat CNS. Mantyh PW, et al. **Nature** 1984 Jun 28–Jul 4;309(5971):795–7

Properties of a 125I–substance P derivative binding to synaptosomes from various brain structures and the spinal cord of the rat. Torrens Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):134–9

Comparative potencies of substance P, substance K and neuromedin K on brain substance P receptors. Quirion R, et al. **Neuropeptides** 1984 Jun;4(4):325–9

Distribution of substance P immunoreactive nerve terminals within the nucleus tractus solitarius of the rat. Kawano H, et al. **Neurosci Lett** 1984 Mar 23;45(2):175–9

Capsaicin–induced substance P release and sensory control of vascular permeability in the guinea–pig ureter. Saria A, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):167–72

Morphological evidence for synaptic junctions between substance P–containing neurons in the arcuate nucleus of the rat. Tsuruo Y, et al. **Neurosci Lett** 1984 Apr 20; 46(1):65–9

Topographical localization of substance P in the human post–mortem brainstem. An immunohistochemical study in the newborn and adult tissue. Del Fiacco M, et al. **Neuroscience** 1984 Jun;12(2):591–611

The development of substance P, somatostatin and vasoactive intestinal polypeptide in sympathetic and spinal sensory ganglia of the chick embryo. Hayashi M, et al. **Neuroscience** 1983 Sep;10(1):31–9

Location of substance P–, bombesin–gastrin–releasing peptide, [Met5]enkephalin– and [Met5]enkephalin–Arg6–Phe7–like immunoreactivities in adult human sympathetic ganglia. Helen P, et al. **Neuroscience** 1984 Jul;12(3):907–16

Cigarette smoke–induced airway oedema due to activation of capsaicin–sensitive vagal afferents and substance P release. Lundberg JM, et al. **Neuroscience** 1983 Dec; 10(4):1361–8

Treatment of sections of chick retina with acetylcholinesterase increases the enkephalin and substance P immunoreactivity. Millar TJ, et al. **Neuroscience** 1984 Jun;12(2):441–51

Effects of thyroid state on serotonin, 5–hydroxyindoleacetic acid and substance P contents in discrete brain nuclei of adult rats. Savard P, et al. **Neuroscience** 1983 Dec; 10(4):1399–404

The effects of cysteamine and capsaicin on somatostatin and substance P in medullary nuclei. Helke CJ, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):669–72

Influence of chronic immobilization on blood pressure and substance P–like immunoreactivity (SPLIR) in plasma and adrenals of Wistar–rats. Roske I, et al. **Pharmazie** 1983 Jul; 38(7):491

Conversion of substance P to C–terminal fragments in human plasma. Conlon JM, et al. **Regul Pept** 1983 Dec;7(4):335–45

[Cellular distribution of substance P in the rat adrenal medulla] Görne RC, et al. **Biomed Biochim Acta** 1984; 43(1):135–7 (Eng. Abstr.) **(Ger)**

[Blood pressure and substance P–like immunoreactivity in the adrenal medulla and plasma of normotensive Wistar Kyoto rats and spontaneously hypertensive rats of varying age under acute stress] Roske I, et al. **Pharmazie** 1983 Dec; 38(12):885–6 **(Ger)**

[Specific binding of 125I–substance P in the bovine iris–ciliary body] Hirata H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):935–9 (Eng. Abstr.) **(Jpn)**

[Endogenous peptides of the central nervous system: enkephalins, endorphins, substance P. I. Discovery, structure, occurrence] Finkiewicz–Murawiejska L. **Postepy Hig Med Dosw** 1982 Sep–Dec;36(5–6):345–60 (105 ref.) (Eng. Abstr.) **(Pol)**

[Substance P in the blood plasma and adrenals of spontaneously hypertensive and normotensive rats] Rathsack R, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun; (3):77–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Increased vascular permeability in rat nasal mucosa induced by substance P and stimulation of capsaicin–sensitive trigeminal neurons. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):479–84

Vagally induced tachycardia after nicotinic blockade. The involvement of substance P and catecholamines. Delbro D, et al. **Acta Physiol Scand** 1983;119(2):207–8

Neural stimulation of gastric bicarbonate secretion in the cat. An involvement of vagal axon–reflexes and substance P? Fändriks L, et al. **Acta Physiol Scand** 1983 Jul;118(3):301–4

Vascular permeability changes and smooth muscle contraction in relation to capsaicin–sensitive substance P afferents in the guinea–pig. Lundberg JM, et al. **Acta Physiol Scand** 1984 Feb;120(2):217–27

A substance P antagonist inhibits heat–induced oedema in the rat skin. Lundberg JM, et al. **Acta Physiol Scand** 1984 Jan;120(1):145–6

Substance P and capsaicin–induced contraction of human bronchi. Lundberg JM, et al. **Acta Physiol Scand** 1983 Sep; 119(1):49–53

The interaction of cholinomimetics, peptides and compounds 48/80 on histamine secretion from the mast cell. Erjavec F, et al. **Agents Actions** 1984 Apr;14(3–4):373–5

The effect of substance P and related peptides on the guinea–pig lung strip. Webber SE, et al. **Agents Actions** 1984 Apr;14(3–4):425–8

Somatostatin modulation of peptide–induced acetylcholine release in guinea pig ileum. Teitelbaum DH, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G509–14

On the mechanism of the augmentation of the phagocytic capability of phagocytic cells by Tuftsin, substance P, neurotensin, and kentsin and the interrelationship between their receptors. Goldman R, et al. **Ann NY Acad Sci** 1983; 419:143–55 (49 ref.)

Relative secretory contributions of the three major salivary glands of the rat in response to substance P and super–sensitivity. Ekström J, et al. **Arch Oral Biol** 1983; 28(9):859–63

Substance P: structural requirements for the activation of brain catecholamine synthesis and locomotor activity in rats. García–Sevilla JA, et al. **Arzneimittelforsch** 1983; 33(9):1249–54

Prevention of stress–induced analgesia by substance P. Hall ME, et al. **Behav Brain Res** 1983 Dec;10(2–3):375–82

Substance p reversal of electroconvulsive shock and cycloheximide–induced retrograde amnesia. Schlesinger K, et al. **Behav Neural Biol** 1983 Sep;39(1):30–9

Effects of substance P on acetylcholinesterase activity. Catalán RE, et al. **Biochem Int** 1984 Feb;8(2):203–8

Sympathetic denervation impairs agonist–stimulated phosphatidylinositol metabolism in rat parotid glands. Downes CP, et al. **Biochem J** 1983 Sep 15;214(3):865–70

Substance P inhibits the M–current in bullfrog sympathetic neurones. Adams PR, et al. **Br J Pharmacol** 1983 Jun; 79(2):330–3

Substance P modulates the sensitivity of the nicotinic receptor in amphibian cholinergic transmission. Akasu T, et al. **Br J Pharmacol** 1983 Sep;80(1):123–31

Comparison of the excitatory actions of substance P, carbachol, histamine and prostaglandin F2 alpha on the smooth muscle of the taenia of the guinea–pig caecum. Benham CD, et al. **Br J Pharmacol** 1983 Nov;80(3):409–20

Relative activities of substance P–related peptides in the guinea–pig ileum and rat parotid gland, in vitro. Gater PR, et al. **Br J Pharmacol** 1982 Feb;75(2):341–51

Substance P can contract the longitudinal muscle of the guinea–pig small intestine by releasing intracellular calcium. Holzer P, et al. **Br J Pharmacol** 1984 May; 82(1):259–67

Desensitization of the guinea–pig urinary bladder by the enantiomers of adenylyl 5'–(beta, gamma–methylene)–diphosphonate and by substance P. Hourani SM. **Br J Pharmacol** 1984 May;82(1):161–4

Contractile responses to substance P and related peptides of the isolated muscularis mucosae of the guinea–pig oesophagus. Kamikawa Y, et al. **Br J Pharmacol** 1984 Jan; 81(1):143–9

Pharmacological characterization of a substance P antagonist, [D-Arg1,D-Pro2,D-Trp7,9,Leu11]-substance P. Watson SP. **Br J Pharmacol** 1983 Sep;80(1):205–9

Neuropeptides facilitate the desensitization of nicotinic acetylcholine-receptor in frog skeletal muscle endplate. Akasu T, et al. **Brain Res** 1984 Jan 9;290(2):342–7

Substance P-induced release of Met5-enkephalin from striatal and periaqueductal gray slices. Del Río J, et al. **Brain Res** 1983 Nov 21;279(1–2):121–6

Excitatory effects of iontophoretically applied substance P on neurons in the nucleus tractus solitarius of the cat: lack of interaction with opiates and opioids. Morin-Surun MP, et al. **Brain Res** 1984 Jul 30;307(1–2):388–92

The development of responsiveness to substance P and glutamate in the spinal motoneurons of rat fetuses. Seno N, et al. **Brain Res** 1984 Apr 30;298(2):206–9

Slow excitatory transmission in rat dorsal horn: possible mediation by peptides. Urbán L, et al. **Brain Res** 1984 Jan 9;290(2):336–41

Effect of substance P and thyrotropin-releasing hormone on sympathetic preganglionic neurones in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):248–51

Glucoregulatory effects of intrahypothalamic injections of bombesin and other peptides. Iguchi A, et al. **Endocrinology** 1984 Jun;114(6):2242–6

Substance P excitation of rat locus coeruleus neurones. Cheeseman HJ, et al. **Eur J Pharmacol** 1983 Oct 14; 94(1–2):93–9

Analgesic activity of substance P in rats: tolerance and cross-tolerance with enkephalin. Naranjo JR, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):133–6

Receptors for substance P. II. Classification by agonist fragments and homologues. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):171–7

Receptors for substance P. I. The pharmacological preparations. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):161–70

Substance P induced hydrolysis of inositol phospholipids in guinea-pig ileum and rat hypothalamus. Watson SP, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):245–53

Nasal autonomic innervation with special reference to peptidergic nerves. Anggård A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):143–9

The action of peptides on the mudpuppy electroretinogram (ERG). Wachtmeister L. **Exp Eye Res** 1983 Nov; 37(5):429–37

Influence of substance P and fragments on passive avoidance behavior. Gaffori O, et al. **Experientia** 1984 Jan 15; 40(1):89–91

Effects of substance P, angiotensin II, oxotremorine and prostaglandin D2 on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1984;19(3):176–84

Influence of Ca2+ and substance P on the (Ca Mg) ATPase (EC 3.6.1.3) activity of synaptosomes from different areas of rat brain. Lachowicz L, et al. **Int J Biochem** 1984; 16(3):337–40

Enhancement of the permeability-increasing effect of bradykinin and substance P by a peptide derived from fibrinogen. Eriksson M, et al. **Int J Microcirc Clin Exp** 1983;2(1):53–9

Behavioral effects of substance P in rats. Barbeau A, et al. **Int J Neurol** 1980;14(2–4):239–52

The role of substance P in the nigrostriatal system. Borison RL, et al. **Int J Neurol** 1980;14(2–4):189–94

Different effects of substance P and vasoactive intestinal peptide on the motor function of bovine intraocular muscles. Suzuki R, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1566–71

Effect of substance P on non-cholinergic fast and slow post-stimulus depolarization in the guinea-pig ileum. Niel JP, et al. **J Auton Nerv Syst** 1983 Dec;9(4):573–84

Effect of substance P on exocrine secretion by rat submandibular gland cells. Fleming N, et al. **J Dent Res** 1984 Aug;63(8):1022–7

Substance P protects against desensitization of the nicotinic response in isolated adrenal chromaffin cells. Boksa P, et al. **J Neurochem** 1984 Mar;42(3):618–27

Neuropeptide modulation of photosensitivity. II. Physiological and anatomical effects of substance P on the lateral eye of Limulus. Mancillas JR, et al. **J Neurosci** 1984 Mar;4(3):847–59

Interaction of substance P with the respiratory control system in the rat. Hedner J, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):196–201

Capsaicin and bradykinin-induced substance P-ergic responses in the iris sphincter muscle of the rabbit. Ueda N, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):469–73

Substance P reduces acetylcholine-induced currents in isolated bovine chromaffin cells. Clapham DE, et al. **J Physiol (Lond)** 1984 Feb;347:255–77

On the mechanism of contraction and desensitization induced by substance P in the intestinal muscle of the guinea-pig. Holzer P, et al. **J Physiol (Lond)** 1983 Sep;342:549–68

Actions of substance P on rat spinal dorsal horn neurones. Murase K, et al. **J Physiol (Lond)** 1984 Jan;346:203–17

Disodium cromoglycate inhibition of substance P-induced histamine secretion is calcium dependent. Nishibori M, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1255–61

Substance P facilitates the release of acetylcholine from motor nerve terminals of frogs. Kojima-Nishimura M, et al. **Kurume Med J** 1983;30(2):67–71

An approach to the self regulatory mechanism of substance P actions: II. Biological activity of new synthetic peptide analogs related both to enkephalin and substance P. Lipkowski AW, et al. **Life Sci** 1983;33 Suppl 1:141–4

Substance K: a novel mammalian tachykinin that differs from substance P in its pharmacological profile. Nawa H, et al. **Life Sci** 1984 Mar 19;34(12):1153–60

The effect of peptidase inhibitors on the release of Met5-Enk-Arg6-Phe7 (YGGFMRF) and Met5-enkephalin (YGGFM) from spinal cord induced by substance P in vivo. Tang J, et al. **Life Sci** 1983;33 Suppl 1:121–4

Effect of substance P on neonatally axotomized noradrenaline neurons in rat brain. Jonsson G, et al. **Med Biol** 1983 Jun; 61(3):179–85

Comparison of potency of substance P and related peptides on [3H]-acetylcholine release, and contractile actions, in the guinea-pig ileum. Fosbraey P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):111–5

Vascular protein linkage in various tissue induced by substance P, capsaicin, bradykinin, serotonin, histamine and by antigen challenge. Saria A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Nov; 324(3):212–8

Substance P, injected intrathecally, antagonizes the spinal antinociceptive effect of morphine, baclofen and noradrenaline. Sawynok J, et al. **Neuropharmacology** 1984 Jul;23(7A):741–7

Substance P stimulates the release of Met5-enkephalin-Arg6-Phe7 and Met5-enkephalin from rat spinal cord. Tang J, et al. **Neuropharmacology** 1983 Sep; 22(9):1147–50

Substance P inhibits the action potentials in bullfrog sympathetic ganglion cells. Akasu T, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):161–6

Substance P microinjections into the nucleus tractus solitarius elicit a pressor response in capsaicin-treated rats. Carter DA, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):253–7

Effects of substance P on sympathetic preganglionic neurones. Gilbey MP, et al. **Neurosci Lett** 1983 Oct 31; 41(1–2):157–9

Substance P evokes slow and fast responses in cultured myenteric neurons of the guinea pig. Hanani M, et al. **Neurosci Lett** 1984 Jul 13;48(1):19–23

Micromolar substance P reduces spinal receptor binding for thyrotropin-releasing hormone—possible relevance to neuropeptide coexistence? Sharif NA, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):245–51

Actions of opiates, substance P, and serotonin on the excitability of primary afferent terminals and observations on interneuronal activity in the neonatal rat's dorsal horn in vitro. Hentall ID, et al. **Neuroscience** 1983 Jul;9(3):521–8

Enhancement of sodium excretion by substance P during saline loading in the canine puppy. Fildes RD, et al. **Pediatr Res** 1983 Sep;17(9):737–41

Modulation of isolation-induced fighting by N- and C-terminal analogs of substance P: evidence for multiple recognition sites. Hall ME, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):85–9

Substance P and behavior: opposite effects of N-terminal and C-terminal fragments. Hall ME, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):763–8

Indomethacin alters the effects of substance-P and VIP on isolated airway smooth muscle. Regal JF, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):581–4

Alteration of shock titration thresholds in the cat following intrathecal substance P administration. Wolf DL, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):477–9

Substance P enhancement of passive and active avoidance conditioning in mice. Schlesinger K, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):655–61

Substance P. Pernow B. **Pharmacol Rev** 1983 Jun; 35(2):85–141 (662 ref.)

Postjunctional localization of substance P receptors on the rat portal vein. Mastrangelo D, et al. **Pharmacology** 1983; 27(6):305–18

Current status and developments in substance P research (selected topics). Oehme P, et al. **Pharmazie** 1984 Feb; 39(2):121–2

Action of substance P on the blood pressure of spontaneously hypertensive rats in dependence on age. Roske I, et al. **Pharmazie** 1983 Sep;38(9):626–7

Substance P modulation of acetylcholine-induced currents in embryonic chicken sympathetic and ciliary ganglion neurons. Role LW. **Proc Natl Acad Sci USA** 1984 May; 81(9):2924–8

Effects of substance P on Na and K transport in perfused main submandibular duct of rat. Jirakulsomchok D, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):165–7

Effects of intracerebroventricular administration of neurotensin, substance P and calcitonin on gastrointestinal motility in normal and vagotomized rats. Bueno L, et al. **Regul Pept** 1983 Jul;6(3):197–205

Different modes of action of substance P in the motor control of the feline stomach and pylorus. Lidberg P, et al. **Regul Pept** 1983 Sep;7(1):41–52

Effects of substance P on fluid and amylase secretion in exocrine pancreas of rat and mouse. Katoh K, et al. **Res Vet Sci** 1984 Mar;36(2):147–52

[Electrical responses of frog olfactory mucosa to the administration of acetylcholine and substance P] Bouvet JF, et al. **C R Seances Acad Sci [III]** 1984;298(6):169–72 (Eng. Abstr.) **(Fre)**

[Acute effects of intrathecal capsaicin and substance P on nociceptive thresholds in rats] Dib B. **C R Seances Acad Sci [III]** 1983;296(20):969–74 (Eng. Abstr.) **(Fre)**

[Synergistic receptor subtypes: an explanation for reserve receptors and for different intrinsic activities of full and partial agonists. Studies on the effect of substance P and its analogs on guinea pig ileum] Bergmann J. **Biomed Biochim Acta** 1983;42(7–8):1005–18 (Eng. Abstr.) **(Ger)**

[The effect of N and C terminal sequences of substance P on non-neuronal cells in vitro (nerve tissue culture)] Lindner G. **Z Mikrosk Anat Forsch** 1984;98(1):107–18 (Eng. Abstr.) **(Ger)**

[Morphological studies of the effect of substance P partial sequences on nerve tissue culture] Lindner G, et al. **Z Mikrosk Anat Forsch** 1983;97(1):65–74 (Eng. Abstr.) **(Ger)**

[Effects of bradykinin and capsaicin on substance P-induced reactions in the iris sphincter muscle] Ueda N, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1169–74 (Eng. Abstr.) **(Jpn)**

[Substance P in the central mechanism of the rabbit feeding response evoked by stimulation of the lateral hypothalamus] Zilov VG, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):3–5 (Eng. Abstr.) **(Rus)**

[Substance P—structure and action] Bienert M. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):71–3 (20 ref.) (Eng. Abstr.) **(Rus)**

[Mast cells and substance P in the regulation of microhemodynamics] Gorizontova MP, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):87–9 (Eng. Abstr.) **(Rus)**

[Effect of substance P and its fragments on the activity of angiotensin converting enzyme] Siems WE, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):79–81 (Eng. Abstr.) **(Rus)**

[Substance P as a regulator of disordered functions in primates: its effect on conditioned reflex activity and the dynamics of arterial pressure] Stehmesser G, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):73–5 (Eng. Abstr.) **(Rus)**

[Biological action of the N-terminal fragments of substance P] Yench KD, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun; (3):75–7 (Eng. Abstr.) **(Rus)**

[Effect of substance P on behavior in the rabbit and the activity of cortical neurons during training] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):273–82 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Is substance P the neurotransmitter in the vestibular end organs? Ylikoski J, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):523–8

A lower esophageal sphincter reflex involving substance P. Reynolds JC, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G346–54

Innervation of human bone periosteum by peptidergic nerves. Grönblad M, et al. **Anat Rec** 1984 Jul;209(3):297–9

An increase in sensitivity of rat cingulate cortical neurones to substance P occurs following withdrawal of chronic administration of antidepressant drugs. Jones RS, et al. **Br J Pharmacol** 1984 Apr;81(4):659–64

Evidence against vasoactive intestinal polypeptide (VIP) as a dilator and in favour of substance P as a constrictor in airway neurogenic responses. Karlsson JA, et al. **Br J Pharmacol** 1983 Jul;79(3):634–6

Substance P in sensory nerve fibres contributes to the development of oedema in the rat hind paw after thermal injury. Saria A. **Br J Pharmacol** 1984 May;82(1):217–22

Descending serotonergic, peptidergic and cholinergic pathways from the raphe nuclei: a multiple transmitter complex. Bowker RM, et al. **Brain Res** 1983 Dec 12; 288(1–2):33–48

Evidence that nigral substance P controls the activity of the nigrotectal GABAergic pathway. Melis MR, et al. **Brain Res** 1984 Mar 19;295(2):387–93

A slow EPSP in mammalian inferior mesenteric ganglion persists after in vivo capsaicin. Peters S, et al. **Brain Res** 1984 Jun 11;303(1):186–9

Ontogeny of substance P-containing structures in the ocular tissue of the rat: an immunohistochemical analysis. Sakiyama T, et al. **Brain Res** 1984 Apr;315(2):275–81

Substance P immunoreactivity released from rat spinal cord after kainic acid excitation of the ventral medulla oblongata: a correlation with increases in blood pressure. Takano Y, et al. **Brain Res** 1984 Jan 16;291(1):168–72

Substance P and endogenous opioids: how and where they could play a role in cluster headache. Sicuteri F, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:143–5

Is substance P necessary for corneal nociception? Bynke G, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):253–8

Multiple modes of communication by substance P. Harkins JA, et al. **Int J Neurol** 1980;14(2–4):233–8 (37 ref.)

Eye of newt and toe of frog: substance P and the charmed pot of neuropeptides. Skrabanek P. **Ir J Med Sci** 1984 Feb; 153(2):47–59 (111 ref.)

Specific stimulation of human T lymphocytes by substance P. Payan DG, et al. **J Immunol** 1983 Oct;131(4):1613–5

Supersensitivity of the rabbit iris sphincter muscle induced

by trigeminal denervation: the role of substance P. Fujiwara M, et al. **J Physiol (Lond)** 1984 May;350:583–97
Substance P is a functional neurotransmitter in the rat parotid gland. Gallacher DV. **J Physiol (Lond)** 1983 Sep; 342:483–98
Comparison of capsaicin and substance P induced cyclic AMP accumulation in spinal cord tissue slices. Northam WJ, et al. **Life Sci** 1984 Jul 16;35(3):293–302
Role of endogenous substance P in stress-induced activation of mesocortical dopamine neurones. Bannon MJ, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):791–2
Post-tetanic potentiation at the nerve-muscle junction in the longitudinal muscle of the guinea-pig ileum. Possible role of substance P. Kadlec O, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(3):262–7
Further evidence that substance P partly mediates the action of cholecystokinin octapeptide (CCK-8) on the guinea pig ileum but not gall bladder: studies with a substance P antagonist. Chang RS, et al. **Neurosci Lett** 1984 Apr 20; 46(1):71–5
Substance P modulation of dopamine in the nucleus accumbens. Kalivas PW, et al. **Neurosci Lett** 1984 Jul 13; 48(1):55–9
Neonatal capsaicin treatment prevents insulin-stress-induced adrenal catecholamine secretion in vivo: possible involvement of sensory nerves containing substance P. Khalil Z, et al. **Neurosci Lett** 1984 Mar 9;45(1):65–70
Intestinal peristalsis associated with release of immunoreactive substance P. Donnerer J, et al. **Neuroscience** 1984 Apr;11(4):913–8
Synaptology and sources of vasoactive intestinal polypeptide and substance P containing axons of the cat celiac ganglion. An experimental electron microscopic immunohistochemical study. Léránth C, et al. **Neuroscience** 1983 Nov;10(3):947–58
Sensory substance P-innervation of the urinary bladder: possible site of action of capsaicin in causing urine retention in rats. Sharkey KA, et al. **Neuroscience** 1983 Nov; 10(3):861–8
Spinal substance P transmits bradykinin but not osmotic stimuli from hepatic portal vein to hypothalamus in rat. Stoppini L, et al. **Neuroscience** 1984 Apr;11(4):903–12
Experimental and immunohistochemical studies concerning the major origins of the substance P-containing fibers in the lateral lemniscus and lateral parabrachial area of the rat, including the fiber pathways. Takatsuki K, et al. **Neuroscience** 1983 Sep;10(1):57–71
The role of substance P-containing fibers in sympathetic ganglia: effect of capsaicin. Wilkin LD, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):769–74
Behavioral effects of hypothalamic hypophysiotropic hormones, neurotensin, substance P and other neuropeptides. Nemeroff CB, et al. **Pharmacol Ther** 1984; 24(1):1–56
The role of substance P in the control of gastric acid secretion. Martensson HG, et al. **Surgery** 1984 May; 95(5):567–71
[The role of substance P and enkephalins in synaptic transmission] Konishi S. **Nippon Rinsho** 1983 May; 41(5):936–42 (36 ref.) **(Jpn)**
[Endogenous peptides of the central nervous system: enkephalins, endorphins, substance P. II. Role in the pain reaction of the body] Finkiewicz-Murawiejska L. **Postepy Hig Med Dosw** 1982 Sep–Dec;36(5–6):361–73 (84 ref.) (Eng. Abstr.) **(Pol)**
[Basic trends in research on substance P (a review)] Oehme P. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):57–9 (24 ref.) **(Rus)**

POISONING

Accidental injection of substance P [letter] Bekkemeyer H, et al. **J R Soc Med** 1983 Sep;76(9):801–2

SECRETION

Potassium evoked in vivo release of substance P in rat caudate nucleus measured using a new technique of brain dialysis and an improved substance P-radioimmunoassay. Brodin E, et al. **Acta Physiol Scand [Suppl]** 1983;515:17–20
Characterization of the stimulus-induced release of immunoreactive substance P from the myenteric plexus of the guinea-pig small intestine. Holzer P. **Brain Res** 1984 Apr 9;297(1):127–36
Studies on the opiate receptor-mediated inhibition of K+-stimulated cholecystokinin and substance P release from cat hypothalamus in vitro. Micevych PE, et al. **Brain Res** 1984 Jan 2;290(1):87–94
Release of substance P from the enteric nervous system: direct quantitation and characterization. Baron SA, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):365–8
Effects of morphine on noxious stimuli-induced release of substance P from rabbit dorsal horn in vivo. Kuraishi Y, et al. **Life Sci** 1983;33 Suppl 1:693–6
Sympathetic control of substance P releasing enteric neurones in the guinea pig ileum. Barth L, et al. **Neurosci Lett** 1983 Aug 8;38(3):291–6
In vitro release of immunoreactive substance P from putative afferent nerve endings in bovine pia arachnoid. Moskowitz MA, et al. **Neuroscience** 1983 Aug;9(4):809–14

TOXICITY

Hyperalgesia produced by intrathecal substance P and related peptides: desensitization and cross desensitization. Moochhala SM, et al. **Br J Pharmacol** 1984 Jun;82(2):381–8

SUBSTANCE USE DISORDERS

Complications of chronic glue (toluene) abuse in adolescents. Devathasan G, et al. **Aust NZ J Med** 1984 Feb;14(1):39–43
Toluene inhalation and anxiolytic activity: possible synergism with diazepam. Geller I, et al.
Pharmacol Biochem Behav 1983 Nov;19(5):899–903

COMPLICATIONS

Glue sniffing and cerebral infarction. Parker MJ, et al. **Arch Dis Child** 1984 Jul;59(7):675–7
Progressive optic atrophy and sensorineural hearing loss due to chronic glue sniffing [letter] Cavanagh JB. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):966
Progressive optic neuropathy and sensorineuronal hearing loss due to chronic glue sniffing [letter] Lazar RB, et al. **J Neurol Neurosurg Psychiatry** 1983 Nov;46(11):1060
Thinner abuse and aspermia. Suzuki T, et al. **Med Sci Law** 1983 Jul;23(3):199–202
The inhalants: an overview. Nicholi AM Jr. **Psychosomatics** 1983 Oct;24(10):914–5, 918, 921 (12 ref.)
[Pulmonary complications in 'sniffers'] Lecomte D, et al. **Rev Fr Mal Respir** 1983;11(5):713–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Butane firebreathing in adolescents: a potentially dangerous practice. Marsh WW. **J Adolesc Health Care** 1984 Jan; 5(1):59–60
The role of the laboratory in the investigation of solvent abuse. Ramsey JD. **J Forensic Sci Soc** 1983 Jul;23(3):245
Solvent abuse and adolescents. Watson JM. **Practitioner** 1984 May;228(1391):487–90
[Toluene vapor poisoning] Zaĭtsev VV, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):56 **(Rus)**

ENZYMOLOGY

Observed activities of serum creatine kinase: total and B subunit activity and other enzymes in young persons abusing solvents. Spooner RJ, et al. **J Clin Pathol** 1984 Apr;37(4):455–9

OCCURRENCE

Period, age, and cohort effects on substance use among American youth, 1976–82. O'Malley PM, et al. **Am J Public Health** 1984 Jul;74(7):682–8
Petrol sniffing and schizophrenia in a Pacific Island paradise [letter] Daniels AM, et al. **Lancet** 1984 Feb 18;1(8373):389

PATHOLOGY

The investigation of solvent abuse deaths. Oliver JS. **J Forensic Sci Soc** 1983 Jul;23(3):247–9
Transient ground glass hepatocellular change following a period of glue sniffing in a patient with underlying benign recurrent cholestatic jaundice. Conroy B, et al. **Med Sci Law** 1984 Apr;24(2):102–6

PHYSIOPATHOLOGY

Use and abuse of benzodiazepines. **Bull WHO** 1983; 61(4):551–62

PREVENTION & CONTROL

[Pharmacopathology and methods of its prevention] Severova EIa. **Sov Med** 1984;(4):62–5 **(Rus)**

PSYCHOLOGY

[Audiological assessment of a patient after sniffing of lighter fuel] Poulsen P, et al. **Ugeskr Laeger** 1983 Sep 26; 145(39):3021–2 (Eng. Abstr.) **(Dan)**
[Psychiatric approach to a criminologic event: glue and solvent addiction] Abgrall JM, et al.
Bull Acad Natl Med (Paris) 1983 Nov;167(8):849–54 (Eng. Abstr.) **(Fre)**

REHABILITATION

A follow-up study of adolescent glue-sniffers in Japan. Suwaki H. **Br J Addict** 1983 Dec;78(4):409–13

THERAPY

Management of solvent misuse: a Glasgow community approach. Sourindhrin I, et al. **Br J Addict** 1984 Jun; 79(2):227–32
Substance-use disorders among physicians: special treatment considerations. Herrington RE, et al.
Curr Psychiatr Ther 1983;22:189–94

SUBSTANCE WITHDRAWAL SYNDROME

The glucocorticoid withdrawal syndrome. Bell NH. **Adv Exp Med Biol** 1984;171:293–9 (33 ref.)
Rebound vasospasm after coronary revascularization in association with calcium antagonist withdrawal. Engelman RM, et al. **Ann Thorac Surg** 1984 Jun;37(6):469–72
The opiate and antiopiate system: evidence for involvement in withdrawal responses [letter] Gillman MA, et al. **Can Anaesth Soc J** 1983 Sep;30(5):564–5
Cardiac arrhythmias after abrupt clonidine withdrawal. Peters RW, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):435–9
Single-day methadone dose alteration: detectability and symptoms. Stitzer ML, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):244–50
Effects of lorazepam and its withdrawal on sleep, performance, and subjective state. Walsh JK, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):496–500
Diuretic withdrawal—a need for caution. Taggart AJ, et al. **Curr Med Res Opin** 1983;8(7):501–8
Withdrawal seizures in black and white alcoholic patients: intellectual and neuropsychological sequelae. Goldstein G, et al. **Drug Alcohol Depend** 1983 Dec;12(4):349–54
Torsade de pointes after amiodarone withdrawal; effects of mild hypokalaemia on repolarization. Forfar JC, et al. **Eur Heart J** 1984 Jun;5(6):510–2
Pharmacokinetic aspects of guanfacine withdrawal syndrome in a hypertensive patient with chronic renal failure. Kiechel JR, et al. **Eur J Clin Pharmacol** 1983;25(4):463–6
Effects of apomorphine administration on locomotor activity of control and experimental rats withdrawn from long-term haloperidol treatment. Bernardi MM, et al. **Gen Pharmacol** 1983;14(5):545–7
Chronic oral amrinone therapy in congestive heart failure: a double-blind placebo-controlled withdrawal study. Evans JR, et al. **Int J Clin Pharmacol Res** 1984;4(1):9–18
Ventricular fibrillation threshold during propranolol withdrawal: an experimental study in dogs. Smolinsky A, et al. **Isr J Med Sci** 1983 Dec;19(12):1102–4
Acute-onset transient hydrocephalus after suspension of ACTH therapy for infantile spasms: a case report. Laverda AM, et al. **Ital J Neurol Sci** 1984 Jun;5(2):219–22
A withdrawal hyperalgesia test for physical dependence: evaluation of mu and mixed-partial opioid agonists. VonVoigtlander PF, et al. **J Pharmacol Methods** 1983 Dec; 10(4):277–82
Withdrawal after substitution of a short-acting for a long-acting benzodiazepine. Conell LJ, et al. **JAMA** 1983 Nov 25;250(20):2838–40
Induction of physical dependence on codeine in the rat by drug-admixed food ingestion. Suzuki T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):441–6
Hypersensitivity to the tremorogenic action of nicotine in rats withdrawn from ethanol. Gothóni P. **Med Biol** 1983; 61(6):344–5
Psychosis after withdrawal of steroid therapy. Judd FK, et al. **Med J Aust** 1983 Oct 1;2(7):350–1
Beta blocker withdrawal: the role of the beta adrenoceptor. Maling TJ. **NZ Med J** 1984 Feb 8;97(749):76–7
Disappearance of hepatitis B surface antigen in chronic type B hepatitis after clinical and laboratorial relapse produced by abrupt withdrawal of immunosuppressive drugs. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec;25(6):270–4
[Withdrawal of benzodiazepines. Complication by coma with decerebrate rigidity (letter)] Woimant F, et al. **Presse Med** 1983 Nov 26;12(43):2765–6 **(Fre)**
[Withdrawal phenomena after chronic beta-blockade. Causes and therapeutic consequences] Krämer B, et al. **Dtsch Med Wochenschr** 1984 Mar 23;109(12):465–71 (75 ref.) **(Ger)**
[Essential headache as an equivalent to a withdrawal syndrome: experience with naloxone] Centonze V, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1272–7 (Eng. Abstr.) **(Ita)**
[Return of rheumatic activity after discontinuation of therapy, or the rebound syndrome] Stulova MA, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):9–13 (Eng. Abstr.) **(Rus)**
[Behavioral manifestations of the abstinence syndrome in the rat] Kovalenko VS, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):581–3 **(Rus)**
[Interruption of Catapresan therapy as a cause of severe crisis in a patient] Svensson A. **Lakartidningen** 1983 Sep 28; 80(39):3591–2 **(Swe)**

BLOOD

Neurochemical changes during discontinuation of lithium prophylaxis. II. Alterations in platelet serotonin function. Goodnick PJ, et al. **Biol Psychiatry** 1984 Jun;19(6):891–8
Decay in plasma lithium and normalization in red blood cell choline following cessation of lithium treatment in two elderly individuals with Alzheimer-type dementia. Pomara N, et al. **Biol Psychiatry** 1984 Jun;19(6):919–22
Heroin addicts have increased platelet alpha 2-adrenoceptor densities which correlate with the severity of the abstinence syndrome. Garcia-Sevilla JA, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):131–2
Hypokalaemia in alcohol withdrawal caused by high circulating adrenaline levels [letter] Manhem P, et al. **Lancet** 1984 Mar 24;1(8378):679
Changes in plasma amino acid patterns in chronic alcoholic patients during ethanol withdrawal syndrome: their clinical implications. Majumdar SK, et al. **Med Hypotheses** 1983 Nov;12(3):239–51

COMPLICATIONS

Anton's syndrome accompanying withdrawal hallucinosis in a blind alcoholic. Swartz BE, et al. **Neurology (NY)** 1984 Jul;34(7):969–73

Increased susceptibility of audiogenic rats to barbital withdrawal convulsions. Bourn WM, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):839–41

[Systemic arterial hypertension in chronic alcoholics. Role of the abstinence syndrome] Gheno G, et al. **Minerva Med** 1984 May 7;75(19):1123–8 (Eng. Abstr.) **(Ita)**

[Role of the abstinence syndrome in the development of alcoholic encephalopathy] Glebov VS, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1227–31 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Fever on drug-free day of alternate-day steroid therapy. Semel JD. **Am J Med** 1984 Feb;76(2):315–7

Alternative explanations for withdrawal psychosis [letter] Cole JO, et al. **Am J Psychiatry** 1984 Sep;141(9):1129–30

Benzodiazepine dependence [letter] McEwen J. **Aust NZ J Psychiatry** 1983 Jun;17(2):197

Anxiogenic aspects of diazepam withdrawal can be detected in animals. Emmett-Oglesby M, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):127–30

False-positive dexamethasone suppression test results related to antipsychotic drug withdrawal: case report. Devanand DP, et al. **J Clin Psychiatry** 1984 Jun;45(6):275–6

[Withdrawal syndrome after stopping fentanyl sedation in neurological intensive care] Boulard G, et al. **Ann Fr Anesth Reanim** 1983;2(2):100–1 **(Fre)**

[Benzodiazepines. Long-term prescription and withdrawal] Feline A, et al. **Encephale** 1983;9(4 Suppl 2):103B–108B (Eng. Abstr.) **(Fre)**

[Neurologic characteristics of the abstinence syndrome in chronic alcoholism] Lukacher GIa, et al. **Klin Med (Mosk)** 1983 Sep;61(9):104–8 (12 ref.) (Eng. Abstr.) **(Rus)**

[Varieties of alcoholic abstinence] Anufriev AK, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):249–54 (Eng. Abstr.) **(Rus)**

[Rebound reaction after beta-adrenergic blockers] Belanová M, et al. **Cesk Fyziol** 1983;32(6):535–45 **(Slo)**

DRUG THERAPY

Should alcohol withdrawal seizures be treated with anti-epileptic drugs? Hillbom ME, et al. **Acta Neurol Scand** 1984 Jan;69(1):39–42

Bromocriptine in the treatment of the alcohol-withdrawal syndrome. Borg V, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):101–11

Nicotine vs. placebo gum in the alleviation of withdrawal during smoking cessation. Schneider NG, et al. **Addict Behav** 1984;9(2):149–56

Neonatal methadone withdrawal. Effect of two treatment regimens. Carin I, et al. **Am J Dis Child** 1983 Dec; 137(12):1166–9

Desipramine in the treatment of hypersomnolence following abrupt cessation of cocaine use. Baxter LR. **Am J Psychiatry** 1983 Nov;140(11):1525–6

Propranolol in the treatment of rage and violent behavior associated with Korsakoff's psychosis. Yudofsky SC, et al. **Am J Psychiatry** 1984 Jan;141(1):114–5

Treatment for alcohol withdrawal syndrome [letter] **Ann Emerg Med** 1983 May;12(5):329–30

Acute alcohol withdrawal complicated by supraventricular tachycardia: treatment with intravenous propranolol. Smile DH. **Ann Emerg Med** 1984 Jan;13(1):53–5

Narcotic bowel syndrome treated with clonidine. Resolution of abdominal pain and intestinal pseudo-obstruction. Sandgren JE, et al. **Ann Intern Med** 1984 Sep;101(3):331–4

Effect of nicotine replacement on the cigarette withdrawal syndrome. West RJ, et al. **Br J Addict** 1984 Jun;79(2):215–9

Short-course diphenoxylate hydrochloride for treatment of methadone withdrawal symptoms. Ives TJ, et al. **Br J Psychiatry** 1983 Nov;143:513–4

The effect of a non-selective lipophilic beta-blocker on the blood pressure and noradrenaline, vasopressin, cortisol and renin release during alcohol withdrawal. Potter JF, et al. **Clin Exp Hypertens [A]** 1984;6(6):1147–60

Abuse potential of halazepam and of diazepam in patients recently treated for acute alcohol withdrawal. Jaffe JH, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):623–30

Diazepam loading: simplified treatment of alcohol withdrawal. Sellers EM, et al. **Clin Pharmacol Ther** 1983 Dec;34(6):822–6

A double-blind comparison of the efficacy and safety of lorazepam and diazepam in the treatment of the acute alcohol withdrawal syndrome. Miller WC Jr, et al. **Clin Ther** 1984;6(3):364–71

Double-blind comparison of lorazepam and chlordiazepoxide in the treatment of the acute alcohol abstinence syndrome. Solomon J, et al. **Clin Ther** 1983;6(1):52–8

Effects of SKF-10047 in the phencyclidine-dependent rat: evidence for common receptor mechanisms. Stafford I, et al. **Drug Alcohol Depend** 1983 Oct;12(2):151–6

Comparison of the effectiveness of different opioid peptides in suppressing heroin withdrawal. Wen HL, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):155–62

Treatment of opium withdrawal using clonidine. Gehlot RS, et al. **J Assoc Physicians India** 1984 Mar;32(3):268–9

Effective treatment of verapamil intoxication with 4-aminopyridine in the cat. Agoston S, et al. **J Clin Invest** 1984 May;73(5):1291–6

The use of clonidine in meprobamate withdrawal [letter] Modell JG, et al. **J Clin Psychopharmacol** 1984 Aug; 4(4):238–40

A comparison of the efficacy and tolerability of clobazam and chlordiazepoxide in the treatment of acute withdrawal from alcohol in patients with primary alcoholism. Mukherjee PK. **J Int Med Res** 1983;11(4):205–11

Mixed substance abuse withdrawal treated by clonidine. Javel AF. **J Med Soc NJ** 1983 Dec;80(12):1035–6

Bremazocine induces antinociception, but prevents opioid-induced constipation and catatonia in rats and precipitates withdrawal in morphine-dependent rats. Petrillo P, et al. **Life Sci** 1984 Aug 27;35(9):917–27

Successful treatment of withdrawal symptoms with delta sleep-inducing peptide, a neuropeptide with potential agonistic activity on opiate receptors. Dick P, et al. **Neuropsychobiology** 1983;10(4):205–8

Clinical symptomatology and computer analyzed EEG before, during and after anxiolytic therapy of alcohol withdrawal patients. Saletu M, et al. **Neuropsychobiology** 1983;9(2–3):119–34

Atropine in the abstinence after chronic barbital treatment in the rat. Wahlström G. **Pharmacol Biochem Behav** 1980; 13 Suppl 1:249–55

Use of beta-blocking drugs in withdrawal states. Seivewright N, et al. **Postgrad Med J** 1984;60 Suppl 2:47–50

Carbamazepine in alcohol withdrawal syndromes and schizophrenic psychoses. Ballenger JC, et al. **Psychopharmacol Bull** 1984 Summer;20(3):572–84 (120 ref.)

Effect of nicotine on the tobacco withdrawal syndrome. Hughes JR, et al. **Psychopharmacology (Berlin)** 1984; 83(1):82–7

Time course of smoking withdrawal symptoms as a function of nicotine replacement. Schneider NG, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):143–4

Efficacy of clonidine in treatment of alcohol withdrawal state. Wilkins AJ, et al. **Psychopharmacology (Berlin)** 1983; 81(1):78–80

[Benzodiazepines in the treatment of alcoholism] Ades J, et al. **Encephale** 1983;9(4 Suppl 2):293B–298B (Eng. Abstr.) **(Fre)**

[Effect of tiapride in acute manifestations of alcohol withdrawal] de Figueiredo R. **Sem Hop Paris** 1983 Oct 13;59(36):2551–4 (Eng. Abstr.) **(Fre)**

[Clonidine for the treatment of heroin withdrawal syndrome] Schanda H, et al. **Wien Klin Wochenschr** 1983 Aug 26; 95(16):569–72 (Eng. Abstr.) **(Ger)**

[Use of clonidine in the treatment of morphine withdrawal syndrome: neuropharmacological bases and clinical application] Gurpegui M, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 May-Jun;11(3):253–8 (Eng. Abstr.) **(Spa)**

[Intrahospital treatment of acute opiate withdrawal syndrome using the non-opiate agent clonidine] Cerdeño V, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):472–4 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Hepatic mixed function oxygenase activity and glutathione S-transferase activity in mice following ethanol consumption and withdrawal. Schnellmann RG, et al. **Toxicology** 1984 Aug;32(2):105–16

[Dopamine beta-hydroxylase activity in the alcohol withdrawal syndrome] Soszyńska D, et al. **Psychiatr Pol** 1983 Mar-Apr;17(2):141–6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Rebound phenomena following gradual withdrawal of chronic metoprolol treatment in patients with ischemic heart disease. Olsson G, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):454–62

Fetal outcome in narcotic-dependent women: the importance of the type of maternal narcotic used. Stimmel B, et al. **Am J Drug Alcohol Abuse** 1982–83;9(4):383–95

Possible cholinergic mechanism in reserpine and tardive dyskinesia [letter] Dilsaver SC, et al. **Am J Psychiatry** 1984 Jan;141(1):151–2

Rebound anxiety in anxious patients after abrupt withdrawal of benzodiazepine treatment. Fontaine R, et al. **Am J Psychiatry** 1984 Jul;141(7):848–52

Tardive dyskinesia and other clinical consequences of neuroleptic treatment in children and adolescents. Gualtieri CT, et al. **Am J Psychiatry** 1984 Jan;141(1):20–3

Fast-cycling bipolar disorder induced by withdrawal from long-term treatment with a tricyclic antidepressant. Jones BD, et al. **Am J Psychiatry** 1984 Jan;141(1):108–9

Lorazepam withdrawal and seizures [letter] Kahan BB, et al. **Am J Psychiatry** 1984 Aug;141(8):1011–2

Dyskinesia and psychosis in a patient following baclofen withdrawal. Kirubakaran V, et al. **Am J Psychiatry** 1984 May;141(5):692–3

Case report of withdrawal dyskinesia associated with amoxapine. Lesser I. **Am J Psychiatry** 1983 Oct; 140(10):1358–9

Methylphenidate challenge as a predictor of relapse in schizophrenia. Lieberman JA, et al. **Am J Psychiatry** 1984 May;141(5):633–8

Phobic behavior after haloperidol withdrawal [letter] Mizes JS. **Am J Psychiatry** 1984 Apr;141(4):612

Withdrawal symptoms after long-term treatment with flurazepam [letter] Pearlman T. **Am J Psychiatry** 1984 Jan; 141(1):138–9

Case report of neuroleptic malignant syndrome associated with withdrawal from amantadine. Simpson DM, et al. **Am J Psychiatry** 1984 Jun;141(6):796–7

Mania after surreptitious discontinuation of clonidine [letter] Terkelsen KG. **Am J Psychiatry** 1984 Jan;141(1):153

Case report of withdrawal dyskinesia associated with amoxapine. Weller RA, et al. **Am J Psychiatry** 1983 Nov; 140(11):1515–6

Psychosis after neuroleptic withdrawal in a manic-depressive patient. Witschy JK, et al. **Am J Psychiatry** 1984 Jan; 141(1):105–6

Subacute toxic delirium caused by nitrous oxide may be an acute withdrawal state [letter] Gillman MA, et al. **Arch Neurol** 1984 Jul;41(7):704

Antidepressant withdrawal phenomena. Dilsaver SC, et al. **Biol Psychiatry** 1984 Feb;19(2):237–56 (78 ref.)

Neurochemical changes during discontinuation of lithium prophylaxis. I. Increases in clonidine-induced hypotension. Goodnick PJ, et al. **Biol Psychiatry** 1984 Jun;19(6):883–9

Dopamine receptor supersensitivity and the chemoreceptor trigger zone. Shen WW, et al. **Biol Psychiatry** 1983 Aug; 18(8):917–21

Central nervous system supersensitivity and withdrawal from long-term diphenylhydantoin treatment. De-Lima TC, et al. **Braz J Med Biol Res** 1983 Oct;16(3):241–5

Abstinence syndrome from therapeutic doses of oxazepam [letter] Ananth J. **Can J Psychiatry** 1983 Nov;28(7):592

Withdrawal reactions after long-term treatment with flurazepam. Bond WS, et al. **Clin Pharm** 1984 May-Jun; 3(3):316–8

Insomnia among addicts during supervised withdrawal from opiates: a comparison of oral methadone and electrostimulation. Gossop M, et al. **Drug Alcohol Depend** 1984 Mar;13(2):191–8

The role of central serotoninergic neurotransmission in the morphine abstinence syndrome in rats. Kruszewska A, et al. **Drug Alcohol Depend** 1983 Nov;12(3):273–8

Stress induced alteration of opiate withdrawal. Manik CP, et al. **Drug Alcohol Depend** 1984 May;13(3):311–4

Psychological characteristics and development of narcotic-addicted infants. Strauss ME, et al. **Drug Alcohol Depend** 1983 Dec;12(4):381–93 (55 ref.)

Precipitated diazepam withdrawal in baboons: effects of dose and duration of diazepam exposure. Lukas SE, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):163–71

HPA failure and glucocorticoid therapy. Christy NP. **Hosp Pract [Off]** 1984 Jul;19(7):77–9, 83–4, 87–9, concl

Delirium and seizures due to abrupt alprazolam withdrawal: case report. Levy AB. **J Clin Psychiatry** 1984 Jan; 45(1):38–9

Depressive symptoms in chronic schizophrenic patients after withdrawal of long-acting neuroleptics. Wistedt B, et al. **J Clin Psychiatry** 1983 Oct;44(10):369–71

Mania and drug withdrawal [letter] Ostow M. **J Clin Psychopharmacol** 1984 Apr;4(2):118

Psychosis after discontinuation of nortriptyline [letter] Patterson JF. **J Clin Psychopharmacol** 1984 Apr;4(2):117–8

Status epilepticus after baclofen withdrawal. Hyser CL, et al. **J Natl Med Assoc** 1984 May;76(5):533, 537–8

Neonatal ethanol withdrawal: characteristics in clinically normal, nondysmorphic neonates. Coles CD, et al. **J Pediatr** 1984 Sep;105(3):445–51

An antiabsorptive basis for precipitated withdrawal diarrhea in morphine-dependent rats. Chang EB, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):364–9

Propranolol withdrawal and variceal hemorrhage [letter] Alabaster SL, et al. **JAMA** 1983 Dec 9;250(22):3047

Effects of 6-hydroxydopamine-induced lesions of A10 dopaminergic neurons and neuroleptic or bromocriptine treatment on ethanol withdrawal syndrome in rats. Trzaskowska E, et al. **Pol J Pharmacol Pharm** 1983 Sep-Oct;35(5):339–49

Further studies on the role of noradrenergic mechanisms in ethanol withdrawal syndrome in rats. Trzaskowska E, et al. **Pol J Pharmacol Pharm** 1983 Sep-Oct;35(5):351–8

Cholinergic syndrome from psychotropic withdrawal in a marijuana abuser. Dilsaver SC, et al. **Psychosomatics** 1984 Aug;25(8):632–4

Sleep patterns in cats during chronic low-dose barbiturate treatment and withdrawal. Hinman DJ, et al. **Sleep** 1984; 7(1):69–76

[Discontinuation of therapy in epileptic children. With special reference to the sleep deprivation EEG before and after drug reduction] Haupt M, et al. **Kinderarztl Prax** 1984 Jun; 52(6):284–8 (Eng. Abstr.) **(Ger)**

[Beta-blocker withdrawal syndrome] Goliakov VN, et al. **Klin Med (Mosk)** 1984 Mar;62(3):15–22 (31 ref.) **(Rus)**

[Neonatal findings in children of drug-addicted mothers] Echevarría J, et al. **An Esp Pediatr** 1983 Dec;19(6):439–43 (Eng. Abstr.) **(Spa)**

[A recurrent case of psychotic withdrawal syndrome caused by monoamine oxidase inhibitors? (letter)] Sáez I, et al. **Med Clin (Barc)** 1984 May 19;82(19):864–5 **(Spa)**

FAMILIAL & GENETIC

Ethanol dependence and the pituitary-adrenal axis in mice.

I. Genotypic differences in hormone levels. Crabbe JC, et al. **Life Sci** 1983 Nov 7;33(19):1877–87

METABOLISM

Effect of morphine withdrawal on food and water intake, urine output and electrolyte excretion in the rat: participation of the renin–aldosterone–system in renal excretory changes. Ikonomov OC, et al. **Acta Physiol Hung** 1984;63(2):137–46

Receptor hypothesis of the alcohol withdrawal state. Gillman MA, et al. **Adv Biochem Psychopharmacol** 1983;37:405–15 (84 ref.)

Lipid composition of the synaptosome and erythrocyte membranes during chronic ethanol–treatment and withdrawal in the rat. la Droitte P, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):615–24

Morphine dependence and withdrawal without alterations in cerebral beta–adrenergic receptor density. Minneman KP, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2331–3

Hepatic lipid peroxidation and mitochondrial susceptibility to peroxidative attacks during ethanol inhalation and withdrawal. Rouach H, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):439–44

A behavioral and 2–deoxyglucose autoradiographic study of the effects of cumulative morphine dose on naloxone precipitated withdrawal in the rat. Geary WA 2d, et al. **Brain Res** 1983 Sep 19;275(1):117–26

Interaction of ethanol with neural cells in culture: a model of intoxication, tolerance and withdrawal. Charness ME, et al. **Ciba Found Symp** 1984;105:73–84

Altered mood and norepinephrine metabolism following withdrawal from alcohol. Lubman A, et al. **Drug Alcohol Depend** 1983 Aug;12(1):3–13

Hypothalamic ACTH and MSH levels increase in morphine tolerance and decrease after morphine withdrawal. Gessa GL, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):143–4

Catecholamine utilization in distinct mouse brain nuclei during acute morphine treatment, morphine tolerance and withdrawal syndrome. Kovács GL, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):149–58

Alteration in the effect of GTP on cerebral beta–adrenergic receptor binding during morphine withdrawal. Kuriyama K, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):411–9

The effect of long–term ethanol maternal ingestion and withdrawal on brain regional monoamine and amino acid precursors in 15–day–old rats. Mena MA, et al. **Gen Pharmacol** 1984;15(2):151–4

Effect of withdrawal from chronic propranolol treatment on high–affinity choline uptake in rat brain. Murrin LC, et al. **J Pharm Pharmacol** 1983 Oct;35(10):677–9

The ethanol withdrawal syndrome: a consequence of lack of substrate for a cerebral Krebs–cycle. Derr RF. **J Theor Biol** 1984 Feb 7;106(3):375–81 (36 ref.)

Ethanol dependence and the pituitary adrenal axis in mice. II. Temporal analysis of dependence and withdrawal. Keith LD, et al. **Life Sci** 1983 Nov 7;33(19):1889–97

Clonidine enhancement of ethanol withdrawal in mice. Blum K, et al. **Subst Alcohol Actions Misuse** 1983;4(1):59–63

OCCURRENCE

Benzodiazepine overuse–misuse [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):123–4

PATHOLOGY

Steroid–withdrawal radiation pneumonitis in cancer patients. Pezner RD, et al. **Chest** 1984 Jun;85(6):816–7

PHYSIOPATHOLOGY

Withdrawal of antihypertensive drugs in the elderly. Hansen AG, et al. **Acta Med Scand [Suppl]** 1983;676:178–85

Disposition of ethanol and its effect on rectal temperature in morphine–dependent, morphine–abstinent and morphine–naive rats. Jones AW. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):333–9

The benzodiazepine/GABA receptor complex during severe ethanol intoxication and withdrawal in the rat. Hemmingsen R, et al. **Acta Psychiatr Scand** 1982 Feb; 65(2):120–6

Multiple mechanisms of withdrawal from opioid drugs. Redmond DE Jr, et al. **Annu Rev Neurosci** 1984;7:443–78 (340 ref.)

Errors in administration of the dexamethasone suppression test [letter] Dewan MJ, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):725–6

Effects of single and repeated alcohol withdrawal on kindling. Carrington CD, et al. **Biol Psychiatry** 1984 Apr; 19(4):525–37

Evidence that 5–hydroxytryptamine in the forebrain is involved in naloxone–precipitated jumping in morphine–dependent rats. Cervo L, et al. **Br J Pharmacol** 1983 Aug;79(4):993–6

Antidepressant withdrawal–induced activation (hypomania and mania): mechanism and theoretical significance. Dilsaver SC, et al. **Brain Res** 1984 Mar;319(1):29–48 (206 ref.)

Intranigral muscimol suppresses ethanol withdrawal seizures. Gonzalez LP, et al. **Brain Res** 1984 Apr 23;298(1):163–6

Effect of alcohol withdrawal on blood pressure, plasma renin activity, aldosterone, cortisol and dopamine beta–hydroxylase. Bannan LT, et al. **Clin Sci** 1984 Jun; 66(6):659–63

Repeated withdrawal from barbital as a drive for 'drug taking behavior' in rats. Jänicke UA, et al. **Drug Alcohol Depend** 1984 Jan;13(1):43–54

Depression during methadone withdrawal: no role for beta–phenylethylamine. Kaufmann CA, et al. **Drug Alcohol Depend** 1984 Jan;13(1):21–9

Propranolol withdrawal supersensitivity in rat cardiovascular tissue, in vitro. Tenner TE Jr. **Eur J Pharmacol** 1983 Aug 19;92(1–2):91–7

Cortical and subcortical EEG patterns during moderate–intensity barbiturate withdrawal. Hinman DJ, et al. **Exp Neurol** 1984 Mar;83(3):555–67

Alterations in vascular sensitivity to vasoactive agents after discontinuation of propranolol in SHR. Kubota T, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):249–54

Acute nifedipine withdrawal: consequences of preoperative and late cessation of therapy in patients with prior unstable angina. Gottlieb SO, et al. **J Am Coll Cardiol** 1984 Aug; 4(2):382–8

Ex vivo examination of beta–adrenoceptor characteristics after propranolol withdrawal. Chess–Williams RG, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):701–6

Antidepressant withdrawal–induced activation (hypomania and mania): is withdrawal–induced cholinergic overdrive causally significant? [letter] Dilsaver SC, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):174–5

Antidepressant withdrawal syndromes: evidence for supersensitivity of cholinergic system as an etiologic factor [letter] Dilsaver SC, et al. **J Clin Psychopharmacol** 1983 Oct;3(5):330

Cardiac irritability, tricyclic antidepressants, and electroconvulsive therapy [letter] Raskin DE. **J Clin Psychopharmacol** 1984 Aug;4(4):237–8

Analysis of the role of withdrawal state in morphine–induced supersensitivity to acetylcholine in mouse ileum. Ramaswamy S, et al. **J Pharm Pharmacol** 1984 Apr; 36(4):275–6

The beta–adrenergic blockade withdrawal phenomenon. Walden RJ, et al. **J Pharmacol** 1983;14 Suppl 2:35–48 (53 ref.)

Increased GH responsiveness to dopamine receptor stimulation in alcohol addicts during the late withdrawal syndrome. Annunziato L, et al. **Life Sci** 1983 Dec 26; 33(26):2651–5

Dorsal noradrenergic bundle lesions fail to alter opiate withdrawal or suppression of opiate withdrawal by clonidine. Britton KT, et al. **Life Sci** 1984 Jan 9;34(2):133–9

Neonatal opiate withdrawal alters the reactivity of adult rats to the hot–plate. Lichtblau L, et al. **Life Sci** 1984 Apr 30; 34(18):1725–30

Propranolol withdrawal–induced supersensitivity to the chronotropic effects of isoproterenol in the conscious rabbit. Tenner TE Jr. **Life Sci** 1983 Dec 5;33(23):2291–9

Dose–response and withdrawal effects on climacteric symptoms after hormonal replacement therapy. A placebo–controlled therapeutic trial. Jensen J, et al. **Maturitas** 1983 Aug;5(2):125–33

Brain acetylcholine during morphine withdrawal. Crossland J, et al. **Neurochem Res** 1984 Mar;9(3):351–66

Fatal hyperpyrexia after withdrawal of levodopa. Sechi GP, et al. **Neurology (NY)** 1984 Feb;34(2):249–51

Activation of locus coeruleus neurons in the rat by a benzazocine derivative (UM 1046) that mimics opiate withdrawal. Valentino RJ, et al. **Neuropharmacology** 1983 Dec;22(12A):1363–8

Influence of dipeptides on precipitated morphine withdrawal in the mouse. Kovács GL, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):417–9

Opiate withdrawal: the result of conditioning or physiological mechanisms? Zellner DA, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):175–80

Morphine preference in rats previously morphine dependent. Dai S, et al. **Pharmacol Res Commun** 1984 May; 16(5):495–511

Social play in juvenile rats during scopolamine withdrawal. Thor DH, et al. **Physiol Behav** 1984 Feb;32(2):217–20

The role of endorphins in opiate addiction, opiate withdrawal, and recovery. Gold MS, et al. **Psychiatr Clin North Am** 1983 Sep;6(3):489–520 (300 ref.)

The role of the central noradrenergic nervous system in the mediation of the ethanol intoxication and ethanol withdrawal syndrome. Major LF, et al. **Psychopharmacol Bull** 1984 Summer;20(3):487–93

Effect of naloxone administration upon responses of adrenal hormones to withdrawal from ethanol. Guaza C, et al. **Psychopharmacology (Berlin)** 1984;82(3):181–4

Electroencephalographic and behavioral correlates in rats during repeated ethanol withdrawal syndromes. Poldrugo F, et al. **Psychopharmacology (Berlin)** 1984;83(2):140–6

Dipropylacetate–induced quasi–morphine abstinence behaviour in the rat: suppression by alpha 2–adrenoceptor stimulation. van der Laan JW, et al. **Psychopharmacology (Berlin)** 1983;81(3):267–71

EEG changes during tobacco withdrawal. Herning RI, et al. **Psychophysiology** 1983 Sep;20(5):507–12

Organization of the amygdala with special reference to various pathological syndromes. Ben–Ari Y, et al. **Scand J Psychol** 1982;Suppl 1:26–36

[Correlations of hepatic injury, peripheral neuropathy, cerebral injury and epileptic crisis in chronic alcoholics] Garello L, et al. **Riv Neurobiol** 1983 Apr–Sep; 29(2–3):256–62 (Eng. Abstr.) **(Ita)**

[Effect of ethanol on components of the nonspecific startle reaction in man] Volynkina GIu, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):596–600 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Clonazepam withdrawal syndrome. Sironi VA, et al. **Acta Neurol (Napoli)** 1984 Apr;6(2):134–9

Dipeptides delay the onset of morphine withdrawal in the mouse. Kovács GL, et al. **Acta Physiol Hung** 1984; 63(1):83–4

The effect of compound 48/80 on the precipitated withdrawal syndrome of dogs. Akcasu A, et al. **Agents Actions** 1984 Jan;14(1):49–53

Administration of intravenous alcohol for prevention of withdrawal in alcoholic burn patients. Hansbrough JF, et al. **Am J Surg** 1984 Aug;148(2):266–9

Pre–operative alcohol infusion. The need for analgesic supplementation in chronic alcoholics. St Haxholdt O, et al. **Anaesthesia** 1984 Mar;39(3):240–5

Is nicotine gum effective in treating patients who wish to quit smoking? **Colo Med** 1984 Apr;81(4):112–3

Opiate withdrawal using lofexidine, a clonidine analogue with fewer side effects. Washton AM, et al. **J Clin Psychiatry** 1983 Sep;44(9):335–7

Evidence that drugs increasing 5–hydroxytryptamine transmission block jumping but not wet dog shakes in morphine–abstinent rats: a comparison with clonidine. Romandini S, et al. **J Pharm Pharmacol** 1984 Jan; 36(1):68–70

Characterization of susceptibility to audiogenic seizures in ethanol–dependent rats after microinjection of gamma–aminobutyric acid (GABA) agonists into the inferior colliculus, substantia nigra or medial septum. Frye GD, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):663–70

Long–term diazepam therapy [letter] Bargmann E, et al. **JAMA** 1984 Mar 23–30;251(12):1555–6

Helping patients withdraw from smoking. Murphy GP, et al. **NY State J Med** 1983 Dec;83(13):1353–4

Myths and realities of smoking cessation. Schwartz JL. **NY State J Med** 1983 Dec;83(13):1355–7

PSYCHOLOGY

Side–effects and weight gain following a smoking cessation program. Manley RS, et al. **Addict Behav** 1983;8(4):375–80

Alcohol dependence and responsivity to an ethanol stimulus as predictors of alcohol consumption. Kaplan RF, et al. **Br J Addict** 1983 Sep;78(3):259–67

Patient perspectives of opiate withdrawal. Cohen AJ, et al. **Drug Alcohol Depend** 1983 Oct;12(2):167–72

Effects of opiate withdrawal on MMPI profile scores. Craig RJ. **Int J Addict** 1983 Dec;18(8):1187–93

Bromazepam and diazepam in generalized anxiety: a placebo–controlled study of efficacy and withdrawal. Fontaine R, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):126–7

Supersensitivity psychosis in schizophrenic patients after sudden clozapine withdrawal. Ekblom B, et al. **Psychopharmacology (Berlin)** 1984;83(3):293–4

Psychometric performance during withdrawal from long–term benzodiazepine treatment. Petursson H, et al. **Psychopharmacology (Berlin)** 1983;81(4):345–9

Hypnotic drugs for 1984. Oswald I. **Psychopharmacology Suppl** 1984;1:84–90

[Alcohol withdrawal syndrome in rats during avoidance training] Iso H. **Yakubutsu Seishin Kodo** 1983 May; 3(1):23–8 (Eng. Abstr.) **(Jpn)**

THERAPY

The clinical effectiveness of electrostimulation vs oral methadone in managing opiate withdrawal. Gossop M, et al. **Br J Psychiatry** 1984 Feb;144:203–8

Benzodiazepine withdrawal: an unfinished story. Ashton H. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1135–40

Withdrawal from benzodiazepines [letter] Jones SD. **JAMA** 1984 Jun 8;251(22):2928

Neonatal drug withdrawal. **Pediatrics** 1983 Dec; 72(6):895–902

[Tobacco withdrawal. Comparison of the efficacy of various methods. Intermediate results of a comparative study] Clavel F, et al. **Presse Med** 1984 Apr 14;13(16):975–7 (Eng. Abstr.) **(Fre)**

[Benzodiazepine addiction] Vujošević K, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):446–7, 452 **(Scr)**

URINE

[Cyclic adenosine monophosphate (3'5' cAMP) in the alcohol withdrawal syndrome. Clinico–pathogenetic perspectives] Nardoni A, et al. **Minerva Med** 1984 Feb 11;75(5):191–5 (Eng. Abstr.) **(Ita)**

SUBSTANTIA GELATINOSA see under **SPINAL CORD**

SUBSTANTIA INNOMINATA see under **BASAL GANGLIA**

SUBSTANTIA NIGRA

Modifications induced on the amygdaloid paroxysmal activity by entopeduncolar or nigral injection of kainic

acid, in the cat. Crescimanno G, et al.
Arch Int Physiol Biochim 1983 Dec;91(5):399–404

Selective nigral toxicity after systemic administration of 1–methyl–4–phenyl–1,2,5,6–tetrahydropyrine (MPTP) in the squirrel monkey. Langston JW, et al. **Brain Res** 1984 Feb 6;292(2):390–4

Hereditary striatonigral and cerebello–olivary degeneration of the Kerry Blue Terrier. II. Ultrastructural lesions in the caudate nucleus and cerebellar cortex. Montgomery DL, et al. **J Neuropathol Exp Neurol** 1984 May;43(3):263–75

Behavioral and neuronal reorganization after unilateral substantia nigra lesions: evidence for increased interhemispheric nigrostriatal projections. Pritzel M, et al. **Neuroscience** 1983 Aug;9(4):879–88

ANALYSIS

A comparison of autofluorescence emission spectra of bleached neuromelanin in non–diseased substantia nigra with spectra of other intraneuronal pigments in non–diseased and diseased tissue. Dowson JH.
Acta Neuropathol (Berl) 1983;61(3–4):196–200

Asymmetric dopamine and serotonin metabolism in nigrostriatal and limbic structures of the trained circling rat. Yamamoto BK, et al. **Brain Res** 1984 Apr 9; 297(1):115–9

Increases of substance P–like immunoreactivity within striatal–nigral structures after subacute methamphetamine treatment. Ritter JK, et al. **J Pharmacol Exp Ther** 1984 May;229(2):487–92

The comparison between enkephalin–like and dynorphin–like immunoreactivity in both monkey and human globus pallidus and substantia nigra. Haber SN, et al. **Life Sci** 1983; 33 Suppl 1:33–6

Acute changes in nigral substance P content induced by drugs acting on dopamine, muscarine and GABA receptors. Koshiya K, et al.
Naunyn Schmiedebergs Arch Pharmacol 1983 Nov; 324(3):223–7

ANATOMY & HISTOLOGY

The nigrostriatal nervous pathways in the brain of the cat. An autoradiographic study. Giguére M, et al.
Adv Neurol 1984;40:77–83

The ultrastructural morphology of the subthalamic–nigral axon terminals intracellularly labeled with horseradish peroxidase. Chang HT, et al. **Brain Res** 1984 May 7; 299(1):182–5

The striatopallidal and striatonigral projections: two distinct fiber systems in primate. Parent A, et al. **Brain Res** 1984 Jun 15;303(2):385–90

Comparative morphology of the substantia nigra and ventral tegmental area in the monkey, cat and rat. Poirier LJ, et al. **Brain Res Bull** 1983 Sep;11(3):371–97

Interhemispheric nigrothalamic projections and behavioral recovery following turning behavior induced by unilateral peripheral sensory and motor restriction. Sabel BA, et al. **Exp Neurol** 1984 Jan;83(1):49–61

Relationships between the nigrotectal pathway and the cells of origin of the predorsal bundle. May PJ, et al.
J Comp Neurol 1984 Jul 1;226(3):357–76

Substantia nigra and ventral tegmental area projections to cortex: topography and collateralization. Loughlin SE, et al. **Neuroscience** 1984 Feb;11(2):425–35

[Divergence of axon collaterals of substantia nigra neurons in the forebrain of the rat: double labeling with fluorochromes and horseradish peroxidase] Oleshko NN, et al. **Neirofiziologiia** 1983;15(5):517–26 (Eng. Abstr.)
(Rus)

CYTOLOGY

Gangliosides increase the survival of lesioned nigral dopamine neurons and favour the recovery of dopaminergic synaptic function in striatum of rats by collateral sprouting. Agnati LF, et al.
Acta Physiol Scand 1983 Dec;119(4):347–63

Identification of projecting neurons in rat neostriatal slices. Misgeld U, et al. **Brain Res** 1984 May 14;299(2):367–70

Explant cultures of dog substantia nigra and striatum: a model for the study of nigro–striatal dopamine neurons. Mytilineou C, et al. **J Neural Transm [Suppl]** 1983;19:37–51

DRUG EFFECTS

Changes in substance P concentrations after protein synthesis inhibition provide an index of substance P utilization. Bannon MJ, et al. **Brain Res** 1984 May 28;301(1):184–6

The effects of lead administration during development on lithium–induced polydipsia and dopaminergic function. DeHaven DL, et al. **Brain Res** 1984 Apr 16;297(2):297–304

Effect of continuous systemic infusion of D–amphetamine on the sensitivity of nigral dopamine cells to apomorphine inhibition of firing rates. Ellinwood EH Jr, et al.
Brain Res 1983 Aug 29;273(2):379–83

Morphine–induced activation of A10 dopamine neurons in the rat. Gysling K, et al. **Brain Res** 1983 Oct 24; 277(1):119–27

In vivo release of [3H]GABA in cat caudate nucleus and substantia nigra. II. Involvement of different thalamic nuclei in the bilateral changes induced by a nigral application of muscimol. Kemel ML, et al. **Brain Res** 1984 Jun 15;303(2):203–13

Neuroleptic–like disruption of the conditioned avoidance response requires destruction of both the mesolimbic and nigrostriatal dopamine systems. Koob GF, et al.
Brain Res 1984 Jun 15;303(2):319–29

Non–cholinergic neurotoxic effects of AF64A in the substantia nigra. Levy A, et al. **Brain Res** 1984 Jul 2; 305(1):169–72

Substantia nigra cell death from kainic acid or folic acid injections into the pontine tegmentum. McGeer EG, et al.
Brain Res 1984 Apr 30;298(2):339–42

Ethanol stimulates the firing rate of nigral dopaminergic neurons in unanesthetized rats. Mereu G, et al.
Brain Res 1984 Jan 30;292(1):63–9

Action of putative dopamine receptor agonists, TL–99, 3–PPP and RDS–127 on substantia nigra neurons. Pinnock RD. **Brain Res** 1984 Jan 30;292(1):190–3

Chronic GM1 ganglioside treatment reduces dopamine cell body degeneration in the substantia nigra after unilateral hemitransection in rat. Toffano G, et al. **Brain Res** 1984 Apr 2;296(2):233–9

GABA in the intralaminar thalamic nuclei modulates dopamine release from the two dopaminergic nigro–striatal pathways in the cat. Romo R, et al. **Brain Res Bull** 1983 Dec;11(6):671–80

Effects of naloxone on dopamine release in the nigrostriatal system. Daudet F, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3–4):199–205

Nigral GABAergic mechanisms and EMG activity in rats: differences between pars reticulata and pars compacta. Havemann U, et al. **Eur J Pharmacol** 1983 Aug 19; 92(1–2):49–56

Different actions of TL–99 and 3–PPP in producing contraversive turning in the 6–OHDA–lesioned rat. Martin GE, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):275–8

beta–Carbolines activate neurons in the substantia nigra pars reticulata: an effect reversed by diazepam and Ro15–1788. Mereu G, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):129–32

Sensitivity of compacta neurones in the rat substantia nigra slice to dopamine agonists. Pinnock RD.
Eur J Pharmacol 1983 Dec 23;96(3–4):269–76

The role of substance P in the nigrostriatal system. Borison RL, et al. **Int J Neurol** 1980;14(2–4):189–94

Are 'on–off' effects during chronic L–dopa treatment due to faulty feedback control of the nigrostriatal dopamine pathway? Carlsson A. **J Neural Transm [Suppl]** 1983; 19:153–61

Zetidoline blocks the action of apomorphine on neurons in the rat substantia nigra. Harris N, et al.
J Pharm Pharmacol 1983 Sep;35(9):599–600

Dopaminergic and neostriatal neurons: dose–dependent changes in sensitivity to amphetamine following long–term treatment. Kamata K, et al. **Neuropharmacology** 1983 Dec; 22(12A):1377–82

Diazepam potentiates GABA–, but not adenosine–mediated, inhibition of neurons of the nigral pars reticulata. Waszczak BL. **Neuropharmacology** 1983 Aug;22(8):953–9

1–Methyl–4–phenylpyridinium ion (MPP+): identification of a metabolite of MPTP, a toxin selective to the substantia nigra. Langston JW, et al. **Neurosci Lett** 1984 Jul 13; 48(1):87–92

Lack of masticatory response to periodontal stimulation after degeneration of nigrostriatal dopamine neurons in the rat brain. Sundén–Kuronen B. **Proc Finn Dent Soc** 1983; 79(3):134–9

Differential actions of classical and atypical neuroleptics on mouse nigrostriatal neurons. Wood PL, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):765–8

N–methyl–4–phenyl–1,2,3,6–tetra–hydropyridine (MPTP) causes destruction of the nigrostriatal but not the mesolimbic dopamine system in the monkey. Jacobowitz DM, et al. **Psychopharmacol Bull** 1984 Summer; 20(3):416–22

[Effects of kainic acid injection into the substantia nigra on the paroxysmal amygdaloid phenomena] Crescimanno G, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):369–74 (Eng. Abstr.)
(Ita)

ENZYMOLOGY

Reduced tyrosine hydroxylase activity in nigrostriatal system of sinoaortic–denervated rats. Alexander N, et al.
Brain Res 1984 May 14;299(2):380–2

Quantitative histochemical measurement of GABA–transaminase: method for evaluation of intracerebral lesions produced by excitotoxic agents. Gale K, et al. **Brain Res** 1984 Jul 30;307(1–2):255–62

A kinetic scattering approach to the non–linear instabilities of rat brain tyrosine hydroxylase preparations at several levels of tetrahydrobiopterin cofactor demonstrates evolutionary behavior characteristic of global dynamical systems. Russo PV, et al. **Brain Res** 1984 May 14; 299(2):313–22

Autoradiographic visualization of angiotensin–converting enzyme in rat brain with [3H]captopril: localization to a striatonigral pathway. Strittmatter SM, et al.
Proc Natl Acad Sci USA 1984 Mar;81(5):1599–603

Reduction of nigral glutamic acid decarboxylase in rats with neuroleptic–induced oral dyskinesia. Gunne LM, et al.
Psychopharmacology (Berlin) 1983;81(3):191–4

[Immunohistochemistry on tyrosine hydroxylase in the substantia nigra of human autopsied cases] Nakashima S, et al. **No To Shinkei** 1983 Oct;35(10):1023–9 (Eng. Abstr.)
(Jpn)

GROWTH & DEVELOPMENT

The effect of development of thermoregulatory function on the biochemical assessment of the ontogeny of neonatal dopaminergic neuronal activity. Horwitz J, et al.
Brain Res 1982 Mar 11;235(2):245–52

Development of the kitten substantia nigra: a rapid Golgi study of the early postnatal period. Phelps PE, et al.
Brain Res 1983 Oct;312(1):1–19

The nigrostriatal system and aging. McNeill TH, et al.
Peptides (Fayetteville) 1984;5 Suppl 1:263–8

METABOLISM

Differential anatomical location of [3H]–N,n–propylnorapomorphine and [3H]–spiperone binding sites in the striatum and substantia nigra of the rat. Hall MD, et al. **Br J Pharmacol** 1983 Jun;79(2):599–610

Uptake of [3H]taurine into medium–size neurons and into identified striatonigral neurons in the rat neostriatum. Clarke DJ, et al. **Brain Res** 1983 Dec 19;289(1–2):342–8

Evidence that nigral substance P controls the activity of the nigrotectal GABAergic pathway. Melis MR, et al.
Brain Res 1984 Mar 19;295(2):387–93

Dopamine D2 receptors in substantia nigra in schizophrenia. Owen R, et al. **Brain Res** 1984 May 7;299(1):152–4

Loss of substance P and enkephalin immunoreactivity in the human substantia nigra after striato–pallidal infarction. Pioro EP, et al. **Brain Res** 1984 Feb 6;292(2):339–47

Effects of zoxazolamine and related centrally acting muscle relaxants on nigrostriatal dopaminergic neurons. Matthews RT, et al. **Brain Res Bull** 1984 May;12(5):479–86

[3H]spiperone binding in the nigrostriatal system in human brain. Ruberg M, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2–3):159–65

Enkephalinergic markers in substantia nigra and caudate nucleus from Parkinsonian subjects. Llorens–Cortes C, et al. **J Neurochem** 1984 Sep;43(3):874–7

Nigrostriatal dopaminergic neurons remain undamaged in rats given high doses of L–DOPA and carbidopa chronically. Perry TL, et al. **J Neurochem** 1984 Oct; 43(4):990–3

In vivo biosynthesis of [35S]- and [3H]substance P in the striatum of the rat and their axonal transport to the substantia nigra. Krause JE, et al. **J Neurosci** 1984 Mar; 4(3):775–85

The involvement of 5–hydroxytryptamine in the release of dendritic dopamine from slices of rat substantia nigra. Williams J, et al. **J Pharm Pharmacol** 1983 Nov; 35(11):734–7

Characterization of benzodiazepine receptor changes in substantia nigra, globus pallidus and entopeduncular nucleus after striatal lesions. Pan HS, et al.
J Pharmacol Exp Ther 1984 Sep;230(3):768–75

Kappa opiate binding sites in the substantia nigra and bulbus olfactorius of the guinea pig as shown by in vitro autoradiography. Foote RW, et al. **Life Sci** 1983;33 Suppl 1:243–6

Agonist/antagonist analgesics and nigrostriatal dopamine metabolism in the rat: evidence for receptor dualism. Wood PL, et al. **Life Sci** 1983;33 Suppl 1:759–62

Differential localization of type I and type II benzodiazepine binding sites in substantia nigra. Lo MM, et al. **Nature** 1983 Nov 3–9;306(5938):57–60

Chronic neuroleptic treatment enhances neurotensin receptor binding in human and rat substantia nigra. Uhl GR, et al. **Nature** 1984 May 24–30;309(5966):350–2

A dynorphinergic pathway of Leu–enkephalin production in rat substantia nigra. Zamir N, et al. **Nature** 1984 Feb 16–22;307(5952):643–5

Altered pharmacokinetics of L–dopa metabolism in rat striatum deprived of dopaminergic innervation. Spencer SE, et al. **Neurology (NY)** 1984 Aug;34(8):1105–8

On the origin of dynorphin A and alpha–neo–endorphin in the substantia nigra. Palkovits M, et al. **Neuropeptides** 1984 May;4(3):193–9

Striatonigral level of neurochemical organization of avoidance conditioned reflexes of various complexity. Suvorov NF, et al. **Neurosci Behav Physiol** 1983 Jul–Aug; 13(4):288–94

PHYSIOLOGY

Motor activity and alimentary behavior after radio–frequency and 6–OHDA lesions of lateral hypothalamus and substantia nigra in cats. Konopacki J.
Acta Neurobiol Exp (Warsz) 1984;44(1):17–28

The role of the dopaminergic nigro–striatal system in aetiology of the lateral hypothalamic syndrome in cats (II): behavioural responses to regulatory challenges. Konopacki J. **Acta Physiol Pol** 1983 Jul–Aug;34(4):409–17

Effect of agonists, inverse agonists, and antagonists of benzodiazepine receptors on the firing rate of substantia nigra pars reticulata neurons. Mereu G, et al.
Adv Biochem Psychopharmacol 1983;38:201–9

GABA in the striatonigral and striatopallidal systems as moderator and mediator of striatal functions.
Scheel–Krüger J. **Adv Neurol** 1984;40:85–90 (35 ref.)

Changes in reaction time after pallidal or nigral lesion in the monkey. Trouche E, et al. **Adv Neurol** 1984;40:29–38

Behavioral and pharmacological specificity of the feeding elicited by cholinergic stimulation of the substantia nigra

in the rat. Winn P, et al. **Behav Neurosci** 1983 Oct; 97(5):794–809

Striatal met-enkephalin concentration increases following nigrostriatal denervation. Thal LJ, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3297–301

The actions of antipsychotic drugs on dopamine receptors in the rat substantia nigra. Pinnock RD. **Br J Pharmacol** 1984 Apr;81(4):631–5

Lesions of the superior colliculus in the rat differentiate between nigrostriatal and mesolimbic dopamine systems. Dawburn D, et al. **Brain Res** 1982 Mar 4;235(1):148–55

Activity of nigral dopaminergic neurons after lesion of the neostriatum in rats. Doudet D, et al. **Brain Res** 1984 Jun 4;302(1):45–55

Effects on eye movements of a GABA agonist and antagonist injected into monkey superior colliculus. Hikosaka O, et al. **Brain Res** 1983 Aug 8;272(2):368–72

Role of nigral dopamine in amphetamine-induced locomotor activity. Jackson EA, et al. **Brain Res** 1983 Nov 14; 278(1–2):366–9

Electrophysiology of pars compacta cells in the in vitro substantia nigra--a possible mechanism for dendritic release. Llinás R, et al. **Brain Res** 1984 Feb 27;294(1):127–32

Activity of mesencephalic dopamine and non-dopamine neurons across stages of sleep and walking in the rat. Miller JD, et al. **Brain Res** 1983 Aug 22;273(1):133–41

Quantitative analysis of [3H]spiroperidol binding to rat forebrain sections: plasticity of neostriatal dopamine receptors after nigrostriatal injury. Neve KA, et al. **Brain Res** 1984 Jun 4;302(1):9–18

The pallidointralaminar and pallidonigral projections in primate as studied by retrograde double-labeling method. Parent A, et al. **Brain Res** 1983 Nov 14;278(1–2):11–27

Adaptive reaction of nigral neurons following lesion of their ventromedial-thalamic projection field. Savaki HE, et al. **Brain Res** 1984 Jun 4;302(1):190–5

Pedunculopontine-evoked excitation of substantia nigra neurons in the rat. Scarnati E, et al. **Brain Res** 1984 Jun 25;304(2):351–61

Response of dopaminergic neurons in cat to auditory stimuli presented across the sleep-waking cycle. Steinfels GF, et al. **Brain Res** 1983 Oct 24;277(1):150–4

Motor impairment after unilateral electrolytic lesions of the substantia nigra in baboons: behavioral data with quantitative and kinematic analysis of a pointing movement. Viallet F, et al. **Brain Res** 1983 Nov 21;279(1–2):193–206

Single unit responses of substantia nigra pars reticulata neurons to apomorphine: effects of striatal lesions and anesthesia. Waszczak BL, et al. **Brain Res** 1984 Jul 23; 306(1–2):307–18

Caudate unit activity and somal diameters in intact and nigral lesioned cats. Gasteiger EL, et al. **Brain Res Bull** 1984 Jan; 12(1):43–50

Nigral dopaminergic mechanisms in drug-induced circling. Jackson EA, et al. **Brain Res Bull** 1983 Nov;11(5):605–11

Effects of reducing sensory-motor feedback on the appearance of crossed nigro-thalamic projections and recovery from turning induced by unilateral substantia nigra lesions. Morgan S, et al. **Brain Res Bull** 1983 Dec; 11(6):721–7

Control of substantia nigra pars reticulata neurons by the nucleus accumbens. Strahlendorf HK, et al. **Brain Res Bull** 1983 Aug;11(2):259–63

Peripheral DA receptor blockade facilitates behavioural recovery from nigrostriatal damage. Willis GL, et al. **Brain Res Bull** 1983 Jul;11(1):15–9

Role of the substantia nigra in audiogenic seizures: a neuroethological analysis in the rat. Garcia-Cairasco N, et al. **Braz J Med Biol Res** 1983 Jul;16(2):171–83

Electrophysiological and pharmacological actions of the convulsant benzodiazepine Ro 5-4864. Weissman BA, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):257–63

GABA in the thalamic motor nuclei modulates dopamine release from the two dopaminergic nigrostriatal pathways in the cat. Chesselet MF, et al. **Exp Brain Res** 1983; 51(2):275–82

Inhibitory nigral influence on tectospinal neurons, a possible implication of basal ganglia in orienting behavior. Chevalier G, et al. **Exp Brain Res** 1984;53(2):320–6

Lesions of the globus pallidus, entopeduncular nucleus and substantia nigra after dopamine mediated circling behaviour. Dewar D, et al. **Exp Brain Res** 1983; 52(2):281–92

A non-cholinergic function for acetylcholinesterase in the substantia nigra: behavioural evidence. Greenfield SA, et al. **Exp Brain Res** 1984;54(3):513–20

Behavioural effects mediated by unilateral nigral dopamine receptor stimulation in the rat. Kelly E, et al. **Exp Brain Res** 1984;55(2):243–52

Enhanced GABA function in the angular complex (lateral periaqueductal grey matter and adjacent reticular formation) alters the postural component of striatal- or nigral-derived circling. Reavill C, et al. **Exp Brain Res** 1984;56(1):1–11

Perioral biting reflex and turning after intranigral injection of a GABA- or metenkephalin-agonist: role of the thalamus and superior colliculus. Welzl H, et al. **Exp Brain Res** 1984;55(3):438–44

Alterations of pancreatic islet size and growth following substantia nigra lesions in the rat. Davis BJ, et al. **J Auton Nerv Syst** 1984 Apr;10(2):167–80

Sensory-motor processing in substantia nigra pars reticulata in conscious cats. Schwarz M, et al. **J Physiol (Lond)** 1984 Feb;347:129–47

Functional studies with the opioid peptide dynorphin: acute effects of injections into the substantia nigra reticulata of naive rats. Herrera-Marschitz M, et al. **Life Sci** 1983;33 Suppl 1:555–8

Electronic rotameter for quantitative evaluation of rotational behaviour in rats after unilateral lesions of the nigrostriatal dopamine system. Kehinde LO, et al. **Med Biol Eng Comput** 1984 Jul;22(4):361–6

Intranigral application of substance P antagonists prevents the haloperidol-induced activation of striatal tyrosine hydroxylase. Melis MR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):83–6

Effect of intracerebroventricular administration of beta-/Tyr9/-melanotropin-/9-18/ on rotational behavior induced by substantia nigra lesion in rats. Vécsei L, et al. **Neuropeptides** 1983 Oct;3(6):435–42

Sensorimotor impairment and elevated levels of dopamine metabolites in the neostriatum occur rapidly after intranigral injection of 6-hydroxydopamine or gamma-hydroxybutyrate in awake rats. Altar CA, et al. **Neuropharmacology** 1984 Mar;23(3):309–18

The role of the substantia nigra in motility of the rat. Muscular rigidity, body asymmetry and catalepsy after injection of morphine into the nigra. Turski L, et al. **Neuropharmacology** 1983 Sep;22(9):1039–48

Effects of electrical stimulation of various midline thalamic nuclei on the bilateral release of dopamine from dendrites and nerve terminals of neurons in the nigro-striatal dopaminergic pathways. Chéramy A, et al. **Neurosci Lett** 1984 Feb 10;44(2):193–8

Retrograde labeling of striato-nigral neurons in the rat by three different tracers. Frotscher M, et al. **Neurosci Lett** 1983 Jul 29;38(2):109–13

Long collateral branches of substantia nigra pars reticulata axons to thalamus, superior colliculus and reticular formation in monkey and cat. Multiple retrograde neuronal labeling with fluorescent dyes. Beckstead RM. **Neuroscience** 1983 Nov;10(3):767–79

Intracellular and extracellular electrophysiology of nigral dopaminergic neurons--1. Identification and characterization. Grace AA, et al. **Neuroscience** 1983 Oct; 10(2):301–15

Intracellular and extracellular electrophysiology of nigral dopaminergic neurons--2. Action potential generating mechanisms and morphological correlates. Grace AA, et al. **Neuroscience** 1983 Oct;10(2):317–31

Intracellular and extracellular electrophysiology of nigral dopaminergic neurons--3. Evidence for electrotonic coupling. Grace AA, et al. **Neuroscience** 1983 Oct; 10(2):333–48

Branched output neurons of the rat subthalamic nucleus: electrophysiological study of the synaptic effects on identified cells in the two main target nuclei, the entopeduncular nucleus and the substantia nigra. Hammond C, et al. **Neuroscience** 1983 Jul;9(3):511–20

Electrophysiological properties of mouse dopamine neurons: in vivo and in vitro studies. Sanghera MK, et al. **Neuroscience** 1984 Jul;12(3):793–801

The actions of opiates in the rat substantia nigra: an electrophysiological analysis. Hommer DW, et al. **Peptides (Fayetteville)** 1983 Sep-Oct;4(5):603–8

Hypophysectomy-induced striatal hypersensitivity and mesolimbic hyposensitivity to apomorphine. Gordon JH. **Pharmacol Biochem Behav** 1983 Nov;19(5):807–11

The involvement of nigral serotonin innervation in the control of punishment-induced behavioral inhibition in rats. Thiébot MH, et al. **Pharmacol Biochem Behav** 1983 Aug; 19(2):225–9

Opposite locomotor asymmetries elicited from the medial and lateral SN by modulation of SN DA receptors. Vaccarino FJ, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):73–7

Sex differences in dopaminergic and cholinergic activity and function in the nigro-striatal system of the rat. Miller JC. **Psychoneuroendocrinology** 1983;8(2):225–36 (54 ref.)

[Pharmacological investigation of rotational behaviors produced by unilateral electrical stimulation of the substantia nigra in the rat] Watanabe H, et al. **Nippon Yakurigaku Zasshi** 1983 Oct;82(4):247–57 (Eng. Abstr.) **(Jpn)**

[Spontaneous spike activity of the head of the caudate nucleus after suppression of the substantia nigra] Driagin IuM. **Fiziol Zh SSSR** 1983 Aug;69(8):993–1000 (Eng. Abstr.) **(Rus)**

[The striatonigral dopaminergic system and its role in adaptive conditioned reflex behavior] Suvorov NF, et al. **Fiziol Zh SSSR** 1984 May;70(5):594–600 (Eng. Abstr.) **(Rus)**

[Effect of interruption of afferent inputs on the background activity and nature of neuronal interconnections in the neostriatum of the cat] Godukhin OV, et al. **Neirofiziologiia** 1984;16(1):110–5 (Eng. Abstr.) **(Rus)**

[Subcortical structures of the brain and the behavior of white rats] Gambarian LS, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):459–64 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of dopaminergic nigro-striatal system in the aetiology of the lateral hypothalamic syndrome in cats: is there any deficit in thermoregulation? Konopacki J. **Acta Physiol Pol** 1983 Mar-Apr;34(2):165–74

Mechanism of action of short- and long-term L-DOPA treatment in parkinsonism: role of the surviving nigrostriatal dopaminergic neurons. Melamed E, et al. **Adv Neurol** 1984;40:149–57

Lesions of substantia nigra protect against experimentally induced seizures. Garant DS, et al. **Brain Res** 1983 Aug 22;273(1):156–61

Intranigral muscimol suppresses ethanol withdrawal seizures. Gonzalez LP, et al. **Brain Res** 1984 Apr 23;298(1):163–6

Nigral muscimol infusions facilitate the development of seizures in immature rats. Moshé SL, et al. **Brain Res** 1984 Apr;315(2):305–8

The basal ganglia in extrapyramidal dysfunction. Barnes CD. **Brain Res Bull** 1983 Aug;11(2):271–5 (60 ref.)

Substantia nigra single unit activity during penicillin-induced focal cortical epileptiform discharge in the rat. Kaniff TE, et al. **Brain Res Bull** 1983 Jul;11(1):11–3

SECRETION

In vivo release of [3H]GABA in cat caudate nucleus and substantia nigra. I. Bilateral changes induced by a unilateral nigral application of muscimol. Kemel ML, et al. **Brain Res** 1983 Aug 8;272(2):331–40

In vivo release of dopamine during perfusion of neurotensin in substantia nigra of the unrestrained rat. Myers RD, et al. **Peptides (Fayetteville)** 1983 Nov-Dec;4(6):955–61

TRANSPLANTATION

Intracerebral grafting of neuronal cell suspensions. IV. Behavioural recovery in rats with unilateral 6-OHDA lesions following implantation of nigral cell suspensions in different forebrain sites. Dunnett SB, et al. **Acta Physiol Scand [Suppl]** 1983;522:29–37

Intracerebral grafting of neuronal cell suspensions. V. Behavioural recovery in rats with bilateral 6-OHDA lesions following implantation of nigral cell suspensions. Dunnett SB, et al. **Acta Physiol Scand [Suppl]** 1983; 522:39–47

Intracerebral grafting of neuronal cell suspensions. VIII. Survival and growth of implants of nigral and septal cell suspensions in intact brains of aged rats. Gage FH, et al. **Acta Physiol Scand [Suppl]** 1983;522:67–75

Intracerebral grafting of neuronal cell suspensions. III. Activity of intrastriatal nigral suspension implants as assessed by measurements of dopamine synthesis and metabolism. Schmidt RH, et al. **Acta Physiol Scand [Suppl]** 1983;522:19–28

Functional brain tissue transplantation: reversal of lesion-induced rotation by intraventricular substantia nigra and adrenal medulla grafts, with a note on intracranial retinal grafts. Freed WJ. **Biol Psychiatry** 1983 Nov; 18(11):1205–67

Normalization of spiroperidol binding in the denervated rat striatum by homologous grafts of substantia nigra. Freed WJ, et al. **Science** 1983 Nov 25;222(4626):937–9

ULTRASTRUCTURE

Effects of frontal motor cortex ablation on the ultrastructure of cat substantia nigra. Nitsch C, et al. **Acta Anat (Basel)** 1984;119(4):193–202

Reaction of the substantia nigra to massive basal ganglia infarction. Forno LS. **Acta Neuropathol (Berl)** 1983; 62(1–2):96–102

Tegmentonigral projection in the cat: electron microscopic observations. Usunoff KG. **Adv Neurol** 1984;40:55–61

Nigral and cerebellar synaptic terminals in the intermediate and deep layers of the cat superior colliculus revealed by lesioning studies. Warton S, et al. **Neuroscience** 1983 Nov; 10(3):789–800

SUBTILISINS

Intramolecular distances between tryptophan residues and the active-site serine residue in alkaline bacterial proteinases as measured by fluorescence energy-transfer studies. Genov NC, et al. **Biochem J** 1983 Nov 1; 215(2):413–6

Three-dimensional structure of fungal proteinase K reveals similarity to bacterial subtilisin. Pähler A, et al. **EMBO J** 1984 Jun;3(6):1311–4

[Primary structure of subtilisin DY] Nedkov P, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov;364(11):1537–40 (Eng. Abstr.) **(Ger)**

[Enzyme inactivation after exposure to mechanical factors] Iakusheva LD, et al. **Biofizika** 1984 Mar-Apr;29(2):190–3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Long-term proteolysis in the complex treatment of pleural empyema] Sobotovich VF, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):33–6 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

A circular dichroism study on thermal denaturation of a dimeric globular protein, Streptomyces subtilisin inhibitor. Komiyama T, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1569–75

Kinetic studies on acid denaturation and renaturation of a protein proteinase inhibitor, Streptomyces subtilisin

inhibitor. Uehara Y, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):903–15

GENETICS

Replacement of the Bacillus subtilis subtilisin structural gene with an In vitro–derived deletion mutation. Stahl ML, et al. **J Bacteriol** 1984 May;158(2):411–8

Cloning, sequencing, and secretion of Bacillus amyloliquefaciens subtilisin in Bacillus subtilis. Wells JA, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7911–25

The subtilisin E gene of Bacillus subtilis is transcribed from a sigma 37 promoter in vivo. Wong SL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1184–8

ISOLATION & PURIFICATION

Proteinase affinity chromatography on bacitracin–Sepharose. Stepanov VM, et al. **J Appl Biochem** 1983 Dec;5(6):420–8

METABOLISM

Digestion of protein substrates by subtilisin: immobilization changes the pattern of products. Nishio T, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):304–11

Limited proteolysis by subtilisin reveals structural differences between phosphorylase a and b. Dombrádi V, et al. **Int J Biochem** 1983;15(8):1089–92

Time-resolved europium fluorescence in enzyme activity measurements: a sensitive protease assay. Karp MT, et al. **J Appl Biochem** 1983 Dec;5(6):399–403

PHARMACODYNAMICS

Limited proteolysis of glycogen phosphorylase a by subtilisin BPN'. Dombrádi V, et al. **Int J Biochem** 1983; 15(11):1329–36

THERAPEUTIC USE

[Prolonged endovesical enzyme therapy in cystitis] Kogan AS, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):19–22 (Eng. Abstr.) **(Rus)**

[Course of the wound process during treatment with immobilized proteolytic enzymes] Kogan AS, et al. **Vestn Khir** 1983 Aug;131(8):50–4 (Eng. Abstr.) **(Rus)**

SUBTRACTION TECHNIC

Digital venous subtraction angiography of pulmonary embolism in dogs. Witte G, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):101–5

Digital subtraction angiography. Comparison of meglumine–Na diatrizoate with iohexol. Sackett JF, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:81–4

Comparison of iohexol with meglumine–Na diatrizoate for intravenous digital subtraction angiography. Seeger JF, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:85–8

Tomographic DSA using temporal filtration: initial neurovascular application. Anderson RE, et al. **AJNR** 1984 May–Jun;5(3):277–80

Digital intravenous cerebral angiography in neonates. Lee BC, et al. **AJNR** 1984 May–Jun;5(3):281–6

Noise analysis of a digital radiography system. Arnold BA, et al. **AJR** 1984 Mar;142(3):609–13

Intravenous digital subtraction angiography of the nearly occluded internal carotid artery. Seeger JF, et al. **AJR** 1984 Apr;142(4):791–6

Runoff studies in peripheral vascular disease [letter] Shuman LS, et al. **AJR** 1984 Apr;142(4):852

Assessment of quantitative indices of arterial stenosis derived from intravenous digital subtraction angiography. Peck WW, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):591–7

Evaluation of intracardiac masses by digital subtraction angiography. Yiannikas J, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):600–3

Detection and quantitation of coronary artery stenoses from digital subtraction angiograms compared with 35–millimeter film cineangiograms. Tobis J, et al. **Am J Cardiol** 1984 Sep 1;54(6):489–96

Intravenous digital subtraction angiography to assess aneurysms of the ventricular and atrial septum pre– and postoperatively. Yiannikas J, et al. **Am J Cardiol** 1984 Jan 15;53(2):383–5

Digital subtraction angiography in infants and children with congenital heart disease. Dickinson DF, et al. **Br Heart J** 1984 May;51(5):485–91

Investigation of left ventricular function by digital subtraction angiography. Greenbaum RA, et al. **Br Heart J** 1984 Feb;51(2):163–7

The value of digital subtraction angiography in peripheral vascular diseases. Takahashi M, et al. **Br J Radiol** 1984 Feb;57(674):123–32

Digital intraarterial subtraction technique of the extracerebral vascular system. Baert AL, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):197–200

Digital subtraction angiography—a cardiologist's view. Barry WH. **Cardiovasc Intervent Radiol** 1983;6(4–6):263–4

Intravenous digital subtraction angiography of the thoracic and abdominal aorta. Boxt LM. **Cardiovasc Intervent Radiol** 1983;6(4–6):205–13

Use of digitized functional angiography to evaluate arterial blood flow. Bürsch JH. **Cardiovasc Intervent Radiol** 1983; 6(4–6):303–10

Carotid–vertebral digital subtraction angiography—a neurologist's view. Dawson DM. **Cardiovasc Intervent Radiol** 1983;6(4–6):201–2

Digital subtraction pulmonary angiography—an internist's and radiologist's view. Goldhaber SZ, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):239–40

Clinical application of hybrid subtraction digital angiography: preliminary results. Guthaner DF, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):290–4

Digital subtraction angiography: a special issue. Harrington DP. **Cardiovasc Intervent Radiol** 1983;6(4–6):171–2

Renal digital subtraction angiography. Harrington DP. **Cardiovasc Intervent Radiol** 1983;6(4–6):214–23

Current experience with digital subtraction angiography in the community medical center. Hessel SJ, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):280–9

Digital subtraction angiography in renal transplant recipients. Irving JD, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):224–30

Intraarterial digital subtraction angiography: a comparative view. Kaufman SL, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):271–9

Pulmonary digital subtraction angiography. Kollath J, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):233–38

Image data acquisition, processing, storage and display. Kruger RA. **Cardiovasc Intervent Radiol** 1983;6(4–6):183–6

The utility of digital subtraction arteriography in peripheral vascular disease. Kubal WS, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):241–9

Cardiac imaging with digital subtraction angiography. Mancini GB, et al. **Cardiovasc Intervent Radiol** 1983; 6(4–6):252–62

Ideal configuration for intravenous digital subtraction angiography machine. Ovitt TW, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):300–2

Efficacy and safety of digital subtraction angiography with special reference to contrast agents. Seyferth W, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):265–70

Carotid–vertebral digital subtraction angiography—a surgeon's view. Strandness DE Jr. **Cardiovasc Intervent Radiol** 1983;6(4–6):203–4

Renal digital subtraction angiography—a nephrologist's view. A sensitive but imperfect screening procedure for renovascular hypertension. Tifft CP. **Cardiovasc Intervent Radiol** 1983;6(4–6):231–2

Electronic imaging fundamentals: basic theory. Vizy KN. **Cardiovasc Intervent Radiol** 1983;6(4–6):174–82

An overview of digital radiography systems. Vizy KN. **Cardiovasc Intervent Radiol** 1983;6(4–6):296–9

Digital subtraction angiography in the evaluation of intracranial and extracranial vascular disease. Weinstein MA, et al. **Cardiovasc Intervent Radiol** 1983;6(4–6):187–96

Digital subtraction angiography in peripheral vascular disease—a surgeon's view. Whittemore AD. **Cardiovasc Intervent Radiol** 1983;6(4–6):250–1

Digital subtraction angiography to assess the results of operative repair in infants with hypoplastic right and left heart syndromes. Moodie DS, et al. **Cleve Clin Q** 1984 Spring;51(1):19–26

Digital subtraction imaging in cardiac investigations. Partridge JB, et al. **Clin Radiol** 1984 Jul;35(4):301–6

Dual radionuclide subtraction imaging of vertebral disc infection using an 111In–labelled leucocyte scan and a 99mTc–tin colloid scan. Mountford PJ, et al. **Eur J Nucl Med** 1983;8(12):557–8

Place of intravenous arteriography with non–numerized processing in vascular pathology and surgery. Results of 424 investigations. Alison D, et al. **Eur J Radiol** 1984 Feb; 4(1):28–33

Fibromuscular dysplasia, a pitfall in intravenous digital subtraction angiography. Busch HP, et al. **Eur J Radiol** 1984 Feb;4(1):42–3

Digital subtraction angiography in the diagnosis of arterial complications after renal transplantation. Rath M, et al. **Eur J Radiol** 1984 Feb;4(1):34–7

Digital subtraction angiography in postoperative evaluation of peripheral vascular disease. Stacul F, et al. **Eur J Radiol** 1984 Feb;4(1):38–41

Detection of pulmonary emboli in dogs using digital subtraction angiography. Chiles C, et al. **Invest Radiol** 1983 Nov–Dec;18(6):507–11

Experimental intravenous digital subtraction angiography (DSA) of orbital and choroidal circulation: preliminary study. Fryczkowski AW, et al. **Invest Radiol** 1983 Nov–Dec;18(6):512–6

Assessment of location and size of myocardial infarction with contrast–enhanced echocardiography. II. Application of digital imaging techniques. Armstrong WF, et al. **J Am Coll Cardiol** 1984 Jul;4(1):141–8

Effect of volume and rate of contrast medium injection on intravenous digital subtraction angiographic contrast medium curves. Burbank FH, et al. **J Am Coll Cardiol** 1984 Aug;4(2):308–15

The concept of apparent cardiac arrest as a prerequisite for coronary digital subtraction angiography. van der Werf T, et al. **J Am Coll Cardiol** 1984 Aug;4(2):239–44

Intravenous digital subtraction angiography (DSA) of the extracranial and intracranial carotid and vertebral artery circulations. Bharucha NE, et al. **J Assoc Physicians India** 1983 Apr;31(4):243–4

Influence of variations in projection geometry on the detectability of periodontal bone lesions. A comparison between subtraction radiography and conventional radiographic technique. Gröndahl K, et al. **J Clin Periodontol** 1984 Jul;11(6):411–20

Subtraction gated computed tomography with the dynamic spatial reconstructor: simultaneous evaluation of left and right heart from single right–sided bolus contrast medium injection. Sinak LJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):1–9

Computer correction of projective distortions in dental radiographs. Webber RL, et al. **J Dent Res** 1984 Aug; 63(8):1032–6

Radiological seminar CCXXXVI: intraarterial uses for digital subtraction angiography (DSA). Powers CI, et al. **J Miss State Med Assoc** 1984 Mar;25(3):63–5

Adequacy of intravenous digital subtraction angiography [letter] Diaz FG, et al. **J Neurosurg** 1984 Jun;60(6):1331

Diagnosis of aortic arch syndrome by digital subtraction angiography [letter] Baird R, et al. **J Rheumatol** 1984 Jun; 11(3):403–4

Intravenous left ventriculography utilizing digital subtraction technique. Nonogi H, et al. **Jpn Circ J** 1984 Jun; 48(6):559–66

Intravenous digital subtraction angiography. **Med Lett Drugs Ther** 1983 Nov 25;25(649):107–8

Radiographic image subtraction in gas ionography. Fallone BG, et al. **Med Phys** 1984 Jan–Feb;11(1):47–9

Noise reduction methods for hybrid subtraction. Nishimura DG, et al. **Med Phys** 1984 May–Jun;11(3):259–65

Selective iodine imaging using lanthanum K fluorescence. Rutt BK, et al. **Med Phys** 1983 Nov–Dec;10(6):801–8

DSA evaluation of the STA–MCA bypass. Lewis BD, et al. **Neuroradiology** 1984;26(3):209–12

Digital subtraction angiography for the evaluation of persistent uterine trophoblastic disease. Oka M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):66S–71S

Image subtraction by solid state electroradiography. Fallone BG, et al. **Phys Med Biol** 1984 Jun;29(6):703–9

Digital subtraction angiography: remasking and integration techniques. Raymond C. **Radiography** 1984 Mar–Apr; 50(590):64–6

Digital subtraction angiography: first 900 cases. Rodgers H. **Radiography** 1984 Mar–Apr;50(590):67–70

Digital subtraction fluorography: operational and technical aspects. Rouse S, et al. **Radiography** 1984 Mar–Apr; 50(590):51–63

A survey of digital chest radiography. Johnson GA, et al. **Radiol Clin North Am** 1983 Dec;21(4):655–64

Digital angiography. Nelson JA, et al. **Radiologe** 1984 Apr; 24(4):149–54 (20 ref.)

Digital subtraction angiography: fundamental noise characteristics. Balter S, et al. **Radiology** 1984 Jul; 152(1):195–8

Hybrid intravenous digital subtraction angiography of the carotid bifurcation. Burbank FH, et al. **Radiology** 1984 Sep; 152(3):725–9

Self–masking subtraction tomosynthesis. Chakraborty DP, et al. **Radiology** 1984 Jan;150(1):225–9

Head immobilization for digital subtraction angiography. Enzmann DR, et al. **Radiology** 1984 Jun;151(3):801

Intravenous DSA examination of patients with suspected cerebral ischemia. Foley WD, et al. **Radiology** 1984 Jun; 151(3):651–9

Digital subtraction angiography of the thoracic aorta. Grossman LB, et al. **Radiology** 1984 Feb;150(2):323–5

Digital subtraction angiography of the pulmonary arteries for the diagnosis of pulmonary embolism [letter] Grossman ZD, et al. **Radiology** 1984 Mar;150(3):843–4

Real–time digital angiocardiography using a temporal high–pass filter. Hardin CW, et al. **Radiology** 1984 May; 151(2):517–20

EKG–gated digital subtraction angiography in the detection of pulmonary emboli. Hirji M, et al. **Radiology** 1984 Jul; 152(1):19–22

Intraarterial digital subtraction angiography in diagnostic arteriography. Kaufman SL, et al. **Radiology** 1984 May; 151(2):323–7

Digital subtraction angiography: myths and reality. Levin DC. **Radiology** 1984 Jun;151(3):803

A high frame–rate digital subtraction angiography imaging technique for evaluation of aortofemoral runoff. Lewis BD, et al. **Radiology** 1984 Jun;151(3):789–90

Optimal injection technique for intravenous digital subtraction angiography. Animal and clinical studies of right atrial injection using small volumes (25 ml) at a high rate (35 ml/sec). Saddekni S, et al. **Radiology** 1984 Mar; 150(3):655–9

A subtraction technique in conventional angiography. Schatz SL, et al. **Radiology** 1984 May;151(2):531

Real–time digitally subtracted fluoroscopy for cervical myelography. Sherry RG, et al. **Radiology** 1984 Apr; 151(1):243–4

Computer graphics for digitally formatted images. Templeton AW, et al. **Radiology** 1984 May;151(2):527–8

Digital vascular imaging in children. A preliminary report. Laurin S, et al. **ROFO** 1984 Mar;140(3):259–65

Evaluation of parathyroid adenomas by intravenous digital subtraction angiography. Kalmar JA, et al. **South Med J** 1984 May;77(5):603–6

Digital subtraction angiography. Johnson CM, et al. **Surg Clin North Am** 1984 Feb;64(1):151–71 (35 ref.)

Digital video subtraction angiography and duplex scanning in assessment of carotid artery disease: comparison with conventional angiography. Eikelboom BC, et al.

Surgery 1983 Nov;94(5):821–5
Digital subtraction angiography for evaluation of extracranial carotid occlusive disease: comparison with conventional arteriography. Russell JB, et al. Surgery 1983 Oct; 94(4):604–11
[The reliability of digital subtraction angiography for the demonstration of carotid stenosis] de Vries AR, et al. Ned Tijdschr Geneeskd 1984 Jan 28;128(4):148–50 (Eng. Abstr.) (Dut)
[Should patients with aortofemoral surgery be monitored? The value of digital angiography using the venous approach] Bensimon JL, et al. Acta Belg Med Phys 1983 Jul–Sep;6(3):121–5 (Fre)
[Indications for the digital angiography method in peripheral arteriopathies] Collette JM. Acta Belg Med Phys 1983 Jul–Sep;6(3):85–6 (Fre)
[The Doppler–Fizeau effect. Digital radiology] Garsou J. Acta Belg Med Phys 1983 Jul–Sep;6(3):87–90 (Fre)
[Digital angiography and percutaneous endoluminal angioplasty] Pernes JM, et al. Acta Belg Med Phys 1983 Jul–Sep;6(3):81–4 (Fre)
[Digital subtraction angiography (D.S.A.). Current clinical applications] Magotteaux P, et al. J Belge Radiol 1983; 66(3):195–206 (Eng. Abstr.) (Fre)
[Advantages and current limitations of numeric angiography] Bismuth V, et al. J Mal Vasc 1984;9(1):57–8 (Eng. Abstr.) (Fre)
[Current applications of numeric angiography in the study of cervico–cerebral vessels, the aorta, pulmonary vessels and following vascular surgery] Frija G, et al. J Mal Vasc 1984;9(1):46–50 (Eng. Abstr.) (Fre)
[Other applications of numeric angiography] Gaux JC, et al. J Mal Vasc 1984;9(1):51–6 (Eng. Abstr.) (Fre)
[Numeric angiography: theoretical basis and practical realization] Gaux JC, et al. J Mal Vasc 1984;9(1):43–5 (Eng. Abstr.) (Fre)
[Monitoring the permeability of aortocoronary grafts with digital angiography] Magotteaux P, et al. Rev Med Liege 1984 Mar 1;39(5):204–7 (Fre)
[Tumor of the glomus caroticum, diagnosed by intravenous digital subtraction angiography] Gan TH, et al. Digitale Bilddiagn 1984 Mar;4(1):18–9 (Eng. Abstr.) (Ger)
[Digital subtraction angiography and extra–anatomical bypass in patients at risk (letter)] Niederle B, et al. Dtsch Med Wochenschr 1983 Jul 29;108(30): 1170 (Ger)
[Venous digital subtraction angiography in the diagnosis of arteriosclerotic diseases of the supra–aortic extracranial vessels] Arlart IP, et al. Radiologe 1984 Apr;24(4):164–70 (Eng. Abstr.) (Ger)
[Digital subtraction ventriculography in determining global and regional left ventricular parameters compared to left catheterization cardiography] Eichstädt H, et al. Radiologe 1984 Jun;24(6):277–85 (Eng. Abstr.) (Ger)
[State of the art and developmental trends of venous and arterial digital subtraction angiography in neuroradiology] Huber G, et al. Radiologe 1984 Apr;24(4):155–63 (Eng. Abstr.) (Ger)
[Intravenous subtraction angiography as a control examination following blood vessel surgery] Jenss H, et al. Radiologe 1984 Apr;24(4):177–81 (Eng. Abstr.) (Ger)
[Transvenous digital subtraction angiography for the diagnosis of renal artery stenosis in arterial hypertension. A comparison with conventional angiography] Schörner W, et al. Radiologe 1984 Apr;24(4):171–6 (Eng. Abstr.) (Ger)
[Intravenous digital subtraction angiography for imaging pulmonary vessels] Bargon G, et al. ROFO 1984 Apr; 140(4):431–5 (Eng. Abstr.) (Ger)
[Value of digital projection radiography with a CT apparatus for thoracic diagnosis] Bautz W, et al. ROFO 1984 May; 140(5):579–84 (Eng. Abstr.) (Ger)
[Venous digital subtraction angiography of the renal arteries in hypertensive patients] Brecht G, et al. ROFO 1984 Mar; 140(3):254–8 (Eng. Abstr.) (Ger)
[Intravenous subtraction angiography in Ehlers–Danlos syndrome with recurring carotid aneurysm] Hamm B, et al. ROFO 1984 Mar;140(3):343–5 (Ger)
[Digital subtraction angiography of the lung] Harder T, et al. ROFO 1984 Apr;140(4):425–30 (Eng. Abstr.) (Ger)
[Digital subtraction angiography (DSA) of arteriovenous pulmonary fistulae] Harder T, et al. ROFO 1983 Oct; 139(4):426–9 (Eng. Abstr.) (Ger)
[Digital subtraction angiography (DSA) of the upper extremities] Harder T, et al. ROFO 1983 Dec;139(6):609–15 (Eng. Abstr.) (Ger)
[Diagnosis of renovascular hypertension by intravenous digital subtraction angiography and renal sequential scintigraphy] Kempter H, et al. ROFO 1984 May; 140(5):510–4 (Eng. Abstr.) (Ger)
[Cerebral circulatory disorders—elucidation by intravenous digital subtraction angiography and computed tomography] Kempter H, et al. ROFO 1984 Aug;141(2):140–4 (Eng. Abstr.) (Ger)
[Value of digital subtraction angiography in extra–anatomic bypass] Niederle B, et al. ROFO 1984 Mar;140(3):265–8 (Eng. Abstr.) (Ger)
[Digital radiography. Equipment technology and initial clinical results of digital angiography with an electronic universal work station] Rath M, et al. ROFO 1984 Mar; 140(3):243–50 (Eng. Abstr.) (Ger)
[Digital subtraction phlebography] Rath M, et al. ROFO 1983 Dec;139(6):619–25 (Eng. Abstr.) (Ger)
[Control of reconstructive vascular surgery using digital subtraction angiography (DSA)] Schuler M, et al. ROFO 1983 Dec;139(6):602–8 (Eng. Abstr.) (Ger)
[Arterial digital subtraction angiography for demonstrating aortocoronary venous bypasses] Witte G, et al. ROFO 1984 Mar;140(3):251–3 (Eng. Abstr.) (Ger)
[Digital subtraction angiography (DSA) in acute pulmonary embolism] Witte G, et al. ROFO 1983 Dec;139(6):616–9 (Eng. Abstr.) (Ger)
[Roentgen diagnosis of the veins in the upper half of the body using the digital subtraction technic – digital subtraction phlebography] Neufang KF, et al. Rontgenblatter 1984 Jan;37(1):8–12 (Eng. Abstr.) (Ger)
[Possibilities of conventional intravenous subtraction angiography] W[illegible] F, et al. Rontgenblatter 1984 Jan; 37(1):1–7 (Eng. Abstr.) (Ger)
[The value of intravenous subtraction angiography in the evaluation of renovascular hypertension] Kempter H, et al. Rontgenpraxis 1983 Aug;36(8):268–72 (Ger)
[Left ventricular function at rest and during exercise in patients with arterial hypertension. Studies using digital subtraction angiocardiography] Jehle J, et al. Z Kardiol 1984 Apr;73(4):248–56 (Eng. Abstr.) (Ger)
[Digital subtraction angiocardiography: accuracy of measuring left ventricular wall thickness and wall volume during intravenous contrast media injection] Lauber A, et al. Z Kardiol 1984 Apr;73(4):257–63 (Eng. Abstr.) (Ger)
[Digital subtraction angiography for hemodynamic evaluation of cerebrovascular reconstructive surgery] Yamada K, et al. Neurol Med Chir (Tokyo) 1984 Apr; 24(4):245–50 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digital subtraction angiography for cerebral and cervical lesions] Bussaka H. Nippon Igaku Hoshasen Gakkai Zasshi 1984 Feb 25; 44(2):364–78 (Eng. Abstr.) (Jpn)
[Intravenous digital subtraction angiography using an extra–large field size] Korenaga T, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1983 Nov 25; 43(11):1318–20 (Eng. Abstr.) (Jpn)
[Construction of a digital subtraction angiography vessel phantom and experimental study on resolution] Takahashi M, et al. Nippon Igaku Hoshasen Gakkai Zasshi 1984 Mar 25;44(3):494–502 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digital subtraction angiography on the diagnosis of liver diseases] Sugiyama K, et al. Nippon Shokakibyo Gakkai Zasshi 1984 May;81(5):1230–7 (Eng. Abstr.) (Jpn)
[Development of a simple digital subtraction angiography system] Ando Y, et al. Rinsho Hoshasen 1983 Sep; 28(9):1017–20 (Eng. Abstr.) (Jpn)
[Digital subtraction pulmonary angiography] Ikezoe J, et al. Rinsho Hoshasen 1984 Apr;29(4):477–82 (Eng. Abstr.) (Jpn)
[Angiocardiography, pulmonary arteriography and digital subtraction angiography] Matsuyama S. Rinsho Hoshasen 1983 Oct;28(11 Suppl):1167–84 (Jpn)
[Evaluation of intravenous digital subtraction angiography for the diagnosis of aortic dissection] Yamada T, et al. Rinsho Hoshasen 1984 Jan;29(1):23–7 (Eng. Abstr.) (Jpn)
[Current use and future perspectives of intravenous digital angiography in cardiovascular diseases] Konstadinidis T, et al. Arq Bras Cardiol 1983 Apr;40(4):223–7 (Por)

INSTRUMENTATION

[Roentgen pictures in the digital image] Buchmann F, et al. Computertomographie 1981 Jun;1(2):47–51 (Eng. Abstr.) (Ger)
[Digital radiography] Haendle J. Computertomographie 1983 Mar;3(1):1–10 (Eng. Abstr.) (Ger)

TRENDS

[Digital radiography—roentgen diagnosis of the future?!] Hübener KH. Rontgenpraxis 1983 Aug;36(8):249–67 (Ger)

SUBVALVULAR STENOSIS, IDIOPATHIC HYPERTROPHIC see **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS**

SUCCINATE CYTOCHROME C OXIDOREDUCTASE see under **OXIDOREDUCTASES**

SUCCINATE DEHYDROGENASE

Evidence for an essential arginine residue in the substrate binding site of the mammalian succinate dehydrogenase. Kotlyar AB, et al. Biochem Int 1984 Apr;8(4):545–52
Molecular and genetic aspects of the fumarate reductase of Escherichia coli. Cole ST. Biochem Soc Trans 1984 Apr; 12(2):237–8

ANALYSIS

Characterization of succinate dehydrogenase from Micrococcus luteus (lysodeikticus) by electron–spin–resonance spectroscopy. Crowe BA, et al. Eur J Biochem 1983 Dec 1;137(1–2):191–6
Effect of age, starvation and circadian rhythm on the ascorbic acid content and succinic dehydrogenase activity of the kidney of male garden lizard, Calotes versicolor. Padhi SN. Exp Gerontol 1984;19(2):101–5
Psoriasis before and after methotrexate (MXT) treatment: II. Localization of mitochondria and dehydrogenases. Ramadan AA, et al. Folia Morphol (Praha) 1983;31(4):341–4
Cytochemical evidence for functional zonation of parietal cells within the gastric glands of the mouse. Coulton GR, et al. Histochem J 1983 Nov;15(11):1141–50
Quantitative histochemistry of three mouse hind–limb muscles: the relationship between calcium–stimulated myofibrillar ATPase and succinate dehydrogenase activities. van der Laarse WJ, et al. Histochem J 1984 May; 16(5):529–41
A quantitative histochemical study of lactate dehydrogenase and succinate dehydrogenase activities in the membrana granulosa of the ovulatory follicle of the rat. Zoller LC, et al. Histochem J 1983 Nov;15(11):1055–64
A successive histochemical staining for succinate dehydrogenase and 'reversed'–ATPase in a single section for the skeletal muscle fibre typing. Horák V. Histochemistry 1983;78(4):545–53
A model for the structure of fumarate reductase in the cytoplasmic membrane of Escherichia coli. Weiner JH, et al. J Cell Biochem 1984;24(3):205–14
Cytochrome–oxidase and succinate dehydrogenase activity in the rat kidney preserved by cold storage, correlated with the study of mitochondrial suspension. Neagu S, et al. Physiologie 1983 Apr–Jun;20(2):75–9
[Histochemical detection of tissue changes using tetrazolium salts of differing nitrosensitivity] Seidler E. Acta Histochem (Jena) 1983;73(2):219–25 (Eng. Abstr.) (Ger)
[Improved demonstration of topochemical dehydrogenase in the CNS with a nitro–monotetrazolium salt] Schünzel G, et al. Acta Histochem [Suppl] (Jena) 1984;30:319–25 (Eng. Abstr.) (Ger)
[Glucose–6–phosphate dehydrogenase and succinate dehydrogenase in metastatic cells of Lewis lung carcinoma] Basso Ricci L, et al. Boll Soc Ital Biol Sper 1983 Aug 30;59(8):1183–9 (Eng. Abstr.) (Ita)
[Determination of myeloperoxidase and succinate dehydrogenase in blood cells and bronchial secretion cells in acute pneumonia in children] Avdeeva TG, et al. Pediatriia 1984 Jan;(1):21–2 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

[Interaction of the sulfate ion with the active site of succinate dehydrogenase] Kotliar AB, et al. Biokhimiia 1984 Feb; 49(2):179–84 (Eng. Abstr.) (Rus)
[Energy–dependent inhibition of mitochondrial NAD.H–oxidase and succinic oxidase by strong nitrous bases] Galkina VG, et al. Biol Nauki 1983;(7):17–21 (Eng. Abstr.) (Rus)
[Kinetics of the inhibition of succinate dehydrogenase in bull adrenal cortex by malonate and oxaloacetate] Mandrik KA, et al. Ukr Biokhim Zh 1983 Sep–Oct;55(5):503–6 (Eng. Abstr.) (Rus)

BLOOD

Low platelet monoamine oxidase activity in headache: no correlation with phenolsulphotransferase, succinate dehydrogenase, platelet preparation method or smoking. Littlewood J, et al. J Neurol Neurosurg Psychiatry 1984 Apr;47(4):338–43
[Diagnostic methods in fetal pathology] Shishchenko VM, et al. Pediatriia 1984 Mar;(3):73–6 (Rus)
[Activities of various enzymes in peripheral blood leukocytes during chronic glomerulonephritis] Bazarnova MA, et al. Vrach Delo 1983 Jun;(6):33–5 (Eng. Abstr.) (Rus)

GENETICS

Nucleotide sequence encoding the flavoprotein and hydrophobic subunits of the succinate dehydrogenase of Escherichia coli. Wood D, et al. Biochem J 1984 Sep 1; 222(2):519–34
Cyclic AMP and anaerobic gene expression in E. coli. Unden G, et al. FEBS Lett 1984 May 21;170(2):321–5
The isozymes of membrane–associated enzymes: acetylcholinesterase, succinate dehydrogenase, and glycerol–3–phosphate dehydrogenase. Edwards YH, et al. Isozymes Curr Top Biol Med Res 1983;10:125–46 (42 ref.)

ISOLATION & PURIFICATION

Isoenzymes of isocitrate dehydrogenase, malate dehydrogenase & succinic dehydrogenase of clinical isolates of Pseudomonas aeruginosa. Saoji AM, et al. Indian J Med Res 1983 Nov;78:616–23

METABOLISM

Correlative histochemical and biochemical studies on the adenosine triphosphatase, succinic dehydrogenase and acetylcholinesterase in the epididymis of mice after alpha–chlorohydrin treatment. Kakaria VK, et al. Acta Eur Fertil 1983 Sep–Oct;14(5):353–61
Rhythmic succinate dehydrogenase activity in the slug, Laevicaulis alte (Ferussac, 1821). Pavan Kumar T, et al. Acta Physiol Pol 1982 Sep–Dec;33(5–6):489–94
Effect of short–term starvation stress on the age–related changes in hepatic SDH activity of the indian murrel, Channa punctatus. Rath SS, et al. Arch Gerontol Geriatr 1983 Nov;2(3):201–9

Changes in the pattern of SDH and PhR staining in fibres of rat masseter muscle following long-term functional stretch Akagawa Y, et al. **Arch Oral Biol** 1983;28(5):447-51

Characterization of succinate dehydrogenase and alpha-glycerophosphate dehydrogenase in pancreatic islets. Lenzen S, et al. **Biochem Med** 1983 Dec;30(3):349-56

Interaction of the membrane-bound succinate dehydrogenase with substrate and competitive inhibitors. Kotlyar AB, et al. **Biochim Biophys Acta** 1984 Jan 18;784(1):24-34

Structural properties of the proteoliposomes catalyzing electron transport from formate to fumarate. Unden G, et al. **Biochim Biophys Acta** 1983 Oct 31;725(1):41-8

Hematoporphyrin derivative-induced photosensitivity of mitochondrial succinate dehydrogenase and selected cytosolic enzymes of R3230AC mammary adenocarcinomas of rats. Hilf R, et al. **Cancer Res** 1984 Apr;44(4):1483-8

Distribution profiles of dehydrogenases and SH-groups in a single skeletal muscle fibre by tridensitometry. Araki T, et al. **Cell Mol Biol** 1983;29(4):307-10

Estimation of succinic dehydrogenase and cytochrome oxidase activities in the semen of buffalo, exotic and crossbreed bulls. Gupta RS, et al. **Cell Mol Biol** 1984; 30(3):253-5

Succinic-D and myofibrillar ATP-A in the denervated gastrocnemius muscle of young, adult and middle-aged albino rats (Rattus norvegicus): a correlative histochemical and biochemical study. Talesara CL, et al. **Cell Mol Biol** 1983;29(6):531-7

Tridensitometric studies on mapping of succinate dehydrogenase in single gastric glands. Yamamoto K, et al. **Cell Mol Biol** 1983;29(5):437-42

Succinate dehydrogenase in various tissues of Anodonta couperiana, Elliptio buckleyi and Mercenaria campechiensis (Mollusca: Bivalvia). Long SD, et al. **Comp Biochem Physiol [B]** 1984;78(2):467-72

Comparison of methods for detecting mitomycin C- and ethyl nitrosourea-induced germ cell damage in mice: sperm enzyme activities, sperm motility, and testis weight. Ficsor G, et al. **Environ Mutagen** 1984;6(3):287-98

Thyroid hormones and carbohydrate metabolism of brain in the teleost, Channa punctatus. I. Effect of T4 and thiourea on succinic dehydrogenase (SDH) activity and protein content. Begum KA, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):402-9

The radial distribution of succinate dehydrogenase activity in porcine muscle fibres. Swatland HJ. **Histochem J** 1984 Mar;16(3):321-9

Alteration in zonation of succinate dehydrogenase, phosphoenolpyruvate carboxykinase and glucose-6-phosphatase in regenerating rat liver. Andersen B, et al. **Histochemistry** 1984;80(1):97-101

Inter- and intraspecies comparisons of fibre type distribution and of succinate dehydrogenase activity in type I, IIA and IIB fibres of mammalian diaphragms. Green HJ, et al. **Histochemistry** 1984;81(1):67-73

Noradrenaline stimulates succinate dehydrogenase through beta-adrenergic receptors. Sivaramakrishnan S, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):16-22

Activation of succinate dehydrogenase in isolated mitochondria by noradrenaline. Sivaramakrishnan S, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):23-8

Histochemical & biochemical changes in succinate dehydrogenase myofibrillar-ATPase activities during heterotopic autotransplantation of EDL into gastrocnemius muscle in the adult albino rat Rattus norvegicus. Mahant P, et al. **Indian J Exp Biol** 1983 Dec;21(12):670-3

Histochemical & biochemical changes in succinate dehydrogenase & myofibrillar-ATPase activities after syngeneic homografting of minced gastrocnemius muscle in the young & adult albino rat Rattus norvegicus. Talesara CL, et al. **Indian J Exp Biol** 1983 Dec;21(12):659-64

Iron-sulfur cluster 3 of beef heart succinate-ubiquinone oxidoreductase is a 3-iron cluster. Ackrell BA, et al. **J Biol Chem** 1984 Apr 10;259(7):4015-8

Effect of iron deficiency on succinate- and NADH-ubiquinone oxidoreductases in skeletal muscle mitochondria. Ackrell BA, et al. **J Biol Chem** 1984 Aug 25;259(16):10053-9

Lesions of Schaffer's collaterals in the rat hippocampus affecting glutamate dehydrogenase and succinate dehydrogenase activity in the stratum radiatum of CA 1. A study with special reference to the glutamate transmitter metabolism. Wolf G, et al. **J Hirnforsch** 1984;25(3):249-53

The histochemistry of very small muscle fibres in growing skeletal muscles. Swatland HJ. **J Neurol Sci** 1983 Oct-Nov; 61(3):435-42

[Interpretation of histochemical changes of succinate dehydrogenase activity in liver parenchyma during the monitoring of the clinical course of the acute radiation syndrome: study of sublethally whole-body irradiated rats] Schünzel G. **Acta Histochem [Suppl] (Jena)** 1984;30:341-5 (Eng. Abstr.) **(Ger)**

[Changes in the skeletal muscles during experimental ischemia of the extremity] Berkutskaia TS, et al. **Arkh Patol** 1983;45(7):36-41 (Eng. Abstr.) **(Rus)**

[Mechanism of auto-oscillations in mitochondria based on modulations of succinate dehydrogenase activity] Kondrashova MN, et al. **Biofizika** 1983 Nov-Dec; 28(6):1049-54 (Eng. Abstr.) **(Rus)**

[Dissociation constants of succinate dehydrogenase complexes with succinate, fumarate and malonate] Kotliar AB, et al. **Biokhimiia** 1984 Mar;49(3):511-8 (Eng. Abstr.) **(Rus)**

[Interaction of succinate dehydrogenase and oxaloacetate] Kotliar AB, et al. **Biokhimiia** 1984 Apr;49(4):667-75 (Eng. Abstr.) **(Rus)**

[Fumarate reductase in the mitochondria of the trematode Calicophoron ijimai] Iarygina GV, et al. **Parazitologiia** 1983 Jul-Aug;17(4):278-82 (Eng. Abstr.) **(Rus)**

[Quantitative histochemical study of acetylcholinesterase and succinate dehydrogenase activity in the brain of the suslik Citellus parryi] Murav'eva LI, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):162-6 (Eng. Abstr.) **(Rus)**

[Succinate dehydrogenase activity in tissue cultures of embryonic brain treated with leponex] Buravlev VM. **Zh Nevropatol Psikhiatr** 1983;83(7):1001-4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation-induced alterations in succinate dehydrogenase activity in the muscle of pigeon. Gadhia PK, et al. **J Radiat Res (Tokyo)** 1983 Sep;24(3):203-8

SUCCINATES

Labelling of the cytoplasmic domains of ovine rhodopsin with hydrophilic chemical probes. Barclay PL, et al. **Biochem J** 1984 May 15;220(1):75-84

[Effect of oral administration of sodium dialkyl sulfosuccinate on pre- and post-natal development in mice] Momma J, et al. **Eisei Shikenjo Hokoku** 1983;(101):48-55 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Regulation of biosynthesis of guanidinosuccinic acid in isolated rat hepatocytes and in vivo. Aoyagi K, et al. **Kidney Int [Suppl]** 1983 Dec;16:S224-8

BLOOD

[Hyperprolactinemia and guanidinosuccinic acid in chronic renal failure] Fujimura A, et al. **Nippon Jinzo Gakkai Shi** 1983 Feb;25(2):199-204 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis and properties of cyclic derivatives of succinic acid with anticonvulsant activity. Part 4. Lange J, et al. **Pharmazie** 1984 May;39(5):318-9

DIAGNOSTIC USE

Succinate and phenylsuccinate as modifiers of sulfhydryl groups of inner mitochondrial membrane protein. Study by EPR. Mutet C, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1404-9

ISOLATION & PURIFICATION

Production by actinomycetes of (S,S)-N,N'-ethylenediamine-disuccinic acid, an inhibitor of phospholipase C. Nishikiori T, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):426-7

METABOLISM

Effect of the nonionic detergent Triton X-100 on mitochondrial succinate-oxidizing enzymes. Barbero MC, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):560-8

Gluconeogenesis in rat hepatocytes from monomethyl succinate and other esters. Rognstad R. **Arch Biochem Biophys** 1984 May 1;230(2):605-9

Energetics of ATP-driven reverse electron transfer from cytochrome c to fumarate and from succinate to NAD in submitochondrial particles. Scholes TA, et al. **Biochemistry** 1984 Jul 3;23(14):3341-5

Elementary steps in the reaction mechanism of the alpha-ketoglutarate dehydrogenase multienzyme complex from Escherichia coli: kinetics of succinylation and desuccinylation. Waskiewicz DE, et al. **Biochemistry** 1984 Jul 3;23(14):3136-43

Asymmetry of the Na+-succinate cotransporter in rabbit renal brush-border membranes. Hirayama B, et al. **Biochim Biophys Acta** 1984 Aug 8;775(1):17-21

Intermediary carbon metabolism of Azospirillum brasilense. Loh WH, et al. **J Bacteriol** 1984 Apr;158(1):264-8

Stoichiometry of mitochondrial H+ translocation coupled to succinate oxidation at level flow. Costa LE, et al. **J Biol Chem** 1984 Apr 25;259(8):4802-11

Mitochondria from the hepatopancreas of the marine clam Mercenaria mercenaria: substrate preferences and salt and pH effects on the oxidation of palmitoyl-L-carnitine and succinate. Ballantyne JS, et al. **J Exp Zool** 1984 May; 230(2):165-74

A stopped flow capillary perfusion method to evaluate contraluminal transport parameters of methylsuccinate from interstitium into renal proximal tubular cells. Fritzsch G, et al. **Pflugers Arch** 1984 Mar;400(3):250-6

PHARMACODYNAMICS

Effects of pH, calcium, and succinate on sodium citrate cotransport in renal microvilli. Barac-Nieto M. **Am J Physiol** 1984 Aug;247(2 Pt 2):F282-90

Increase of the fluidity of the lipid bilayer of the inner mitochondrial membrane by succinate and phenylsuccinate: a study by EPR and fluorescence. Mutet C, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):854-9

[Mechanism of virus inactivation by peracids] Sporkenbach-Höffler J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):469-81 (Eng. Abstr.) **(Ger)**

[Effect of ADP, malate and succinate on the electroretinogram of the isolated frog retina] Czepita D. **Klin Oczna** 1984 Mar;86(3):113-5 (Eng. Abstr.) **(Pol)**

[Effect of sodium succinate on the acid-forming and secretory function of the stomach] Maliuk VI, et al. **Fiziol Zh** 1983 Sep-Oct;29(5):616-7 **(Rus)**

THERAPEUTIC USE

The prevention and treatment of migraine with an analgesic combination. Carasso RL, et al. **Br J Clin Pract** 1984 Jan; 38(1):25-7

[Effect of sodium succinate on the restoration of the functional activity of mitochondria in experimental burn shock] Kochetygov NI, et al. **Patol Fiziol Eksp Ter** 1984 Jan-Feb;(1):33-5 (Eng. Abstr.) **(Rus)**

SUCCINIC ANHYDRIDES see under **SUCCINATES**

SUCCINIC OXIDASE see **SUCCINATE DEHYDROGENASE**

SUCCINIMIDES

A new reagent which may be used to introduce sulfhydryl groups into proteins, and its use in the preparation of conjugates for immunoassay. Duncan RJ, et al. **Anal Biochem** 1983 Jul 1;132(1):68-73

Cross-linking of wheat germ RNA polymerase II with dithiobis(succinimidyl propionate). Bateman E, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):680-5

Binding of [125I]Bolton Hunter conjugated eledoisin to rat brain cortex membranes--evidence for two classes of tachykinin receptors in the mammalian central nervous system. Cascieri MA, et al. **Life Sci** 1984 Jul 9;35(2):179-84

BLOOD

Affinity labeled somatomedin-C-binding proteins in rat sera. D'Ercole AJ, et al. **Endocrinology** 1984 Apr;114(4):1141-4

CHEMICAL SYNTHESIS

The synthesis and reaction of a specific affinity label for the hydrophobic drug-binding domains of calmodulin. Jarrett HW. **J Biol Chem** 1984 Aug 25;259(16):10136-44

Synthesis and anticonvulsant evaluation of N-aminosuccinimides. Kornet MJ. **J Pharm Sci** 1984 Mar; 73(3):405-6

DIAGNOSTIC USE

Identification of long chain dicarboxylic acids in the serum of two patients with Reye's syndrome. Ng KJ, et al. **J Chromatogr** 1983 Aug 12;276(1):1-10

PHARMACODYNAMICS

Modification of specific lysine residues in E. coli methionyl-tRNA synthetase by crosslinking to E. coli formylmethionine tRNA. Valenzuela D, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):677-84

Interaction of specific platelet membrane proteins with collagen: evidence from chemical cross-linking. Kotite NJ, et al. **Biochemistry** 1984 Jun 19;23(13):3099-104

Effects of alkyl-substituted gamma-butyrolactones and succinimides on the evoked and spontaneous activity of hippocampal slices in vitro. Ferrendelli JA, et al. **Exp Neurol** 1983 Dec;82(3):663-74

Reversible blockade of the respiratory burst in human neutrophils by a cleavable cross-linking agent. Aviram I, et al. **J Biol Chem** 1984 Jan 10;259(1):306-11

Self-association of bovine prothrombin fragment 1 in the presence of metal ions. Use of a covalent cross-linking reagent to study the reaction. Tarvers RC, et al. **J Biol Chem** 1984 Feb 10;259(3):1944-50

Platelet-derived growth factor receptors form a high affinity state in membrane preparations. Kinetics and affinity cross-linking studies. Williams LT, et al. **J Biol Chem** 1984 Apr 25;259(8):5287-94

alpha,alpha-Diphenylsuccinimide: evaluation of anticonvulsant and hydrophobic properties. Jones GL, et al. **J Pharm Sci** 1984 Mar;73(3):310-3

Promotion of 2-(ethylnitrosamino)ethanol-induced renal carcinogenesis in rats by nephrotoxic compounds: positive responses with folic acid, basic lead acetate, and N-(3,5-dichlorophenyl)succinimide but not with 2,3-dibromo-1-propanol phosphate. Shirai T, et al. **JNCI** 1984 Feb;72(2):477-82

Effects of ethosuximide and tetramethylsuccinimide on cultured cortical neurons. Barnes DM, et al. **Neurology (NY)** 1984 May;34(5):620-5

Anticonvulsant action of new cyclic derivatives of phenylsuccinimides. Chmielewska B. **Pharmazie** 1983 Dec; 38(12):872-3

Pharmacological properties of new cyclic derivatives of phenylsuccinimide and their influence on noradrenaline,

dopamine, serotonin, 5-hydroxyindoleacetic acid, gamma-aminobutyric acid concentrations and monoaminooxidase activity in animal brains. Chmielewska B. **Pharmazie** 1984 Apr;39(4):259–62

Effects of RS 86, an orally active cholinergic agonist, on sleep in man. Spiegel R. **Psychiatry Res** 1984 Jan;11(1):1–13

[Comparison of the central effect of lefadol and 3-bromophenylsuccinimide] Wójcik A. **Acta Pol Pharm** 1983;40(5–6):669–79 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Effect of a 5-year treatment program in patients with hyperoxaluric stones. Pinto B, et al. **J Urol** 1983 Nov; 130(5):943–5

[Comparison of the anticonvulsive action of lefadol and 3-bromophenylsuccinimide and their effect on neuromediator levels in the brain] Wójcik A. **Acta Pol Pharm** 1983;40(5–6):657–67 (Eng. Abstr.) **(Pol)**

TOXICITY

Experimental interstitial renal fibrosis in rats: nephritis induced by N-(3,5-dichlorophenyl)succinimide. Barrett MC, et al. **Br J Exp Pathol** 1983 Aug;64(4):425–36

Onset of and recovery from acute N-(3,5-dichlorophenyl)succinimide-induced nephrotoxicity in Sprague-Dawley rats. Rankin GO, et al. **Toxicology** 1984 Apr 2;30(3):205–16

SUCCINYL COENZYME A SYNTHETASES see under COENZYME A SYNTHETASES

SUCCINYLCHOLINE

Synergistic effect of acidosis and succinylcholine-induced hyperkalemia in spinal cord transected rats. Koller ME, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):87–90

Shelf life of unrefrigerated succinylcholine chloride injection. Boehm JJ, et al. **Am J Hosp Pharm** 1984 Feb;41(2):300–2

More about d-tubocurarine and succinylcholine in obstetrics [letter] Sellers WF, et al. **Anesthesiology** 1984 May; 60(5):506

Plasma cholinesterase activity and the duration of suxamethonium apnoea in children. Mirakhur RK, et al. **Ann R Coll Surg Engl** 1984 Jan;66(1):43–5

'Self-taming' of suxamethonium and serum potassium concentration. Magee DA, et al. **Br J Anaesth** 1984 Sep; 56(9):977–80

A new succinylcholine-based assay of plasma cholinesterase. Abernethy MH, et al. **Clin Chem** 1984 Feb;30(2):192–5

Failed intubation. A case report. la Grange PD, et al. **S Afr Med J** 1983 Nov 19;64(22):869–70

[High plasma cholinesterase and succinylcholine resistance] Itoh T, et al. **Masui** 1983 May;32(5):599–604 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Pain-reducing effect of self-taming suxamethonium. Strøm J, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):40–3

The neuromuscular response of infants to a continuous infusion of succinylcholine. Goudsouzian NG, et al. **Anesthesiology** 1984 Feb;60(2):97–101

Prolonged suxamethonium infusion during nitrous oxide anaesthesia supplemented with halothane or fentanyl. Futter ME, et al. **Br J Anaesth** 1983 Oct;55(10):947–53

ADVERSE EFFECTS

Bradycardia and cardiac asystole following a single injection of suxamethonium. Sørensen M, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):232–5

Succinylcholine infusion associated with hyperthermia in ponies anesthetized with halothane. Hildebrand SV, et al. **Am J Vet Res** 1983 Dec;44(12):2280–4

Scoline apnoea [letter] Galley RL. **Anaesth Intensive Care** 1984 Feb;12(1):87–8

Lignocaine pretreatment for suxamethonium. A clinicobiochemical study. Chatterji S, et al. **Anaesthesia** 1983 Sep;38(9):867–70

Succinylcholine in obstetrics [letter] Donati F, et al. **Anesth Analg** 1983 Nov;62(11):1051–2

Halothane-succinylcholine induced masseter spasm: indicative of malignant hyperthermia susceptibility? Flewellen EH, et al. **Anesth Analg** 1984 Jul;63(7):693–7

Violent fasciculations after small dose succinylcholine infusion as a first sign of atypical pseudocholinesterase. Glasser SA. **Anesth Analg** 1984 Sep;63(9):869–70

Hyperkalemia with succinylcholine [letter] Barnett WM, et al. **Ann Emerg Med** 1983 Oct;12(10):654–5

Suxamethonium-associated hypertonicity and cardiac arrest in unsuspected pseudohypertrophic muscular dystrophy [letter] Bush GH. **Br J Anaesth** 1983 Sep;55(9):923

Suxamethonium spasm. A differential diagnostic conundrum. Ellis FR, et al. **Br J Anaesth** 1984 Apr;56(4):381–4

Comparison of i.v. glycopyrrolate and atropine in the prevention of bradycardia and arrhythmias following repeated doses of suxamethonium in children. Green DW, et al. **Br J Anaesth** 1984 Sep;56(9):981–5

Succinylcholine apnoea: attempted reversal with anticholinesterases. Bevan DR, et al. **Can Anaesth Soc J** 1983 Sep;30(5):536–9

Oral diazepam premedication reduces the incidence of post-succinylcholine muscle pains. Davies AO. **Can Anaesth Soc J** 1983 Nov;30(6):603–6

Succinylcholine-induced cardiac arrest in unsuspected Duchenne muscular dystrophy. Henderson WA. **Can Anaesth Soc J** 1984 Jul;31(4):444–6

Succinylcholine, cholinoceptors and catecholamines: proposed mechanism of early adverse haemodynamic reactions. Nigrovic V. **Can Anaesth Soc J** 1984 Jul; 31(4):382–94

Detection of IgE antibodies to suxamethonium after anaphylactoid reactions during anaesthesia. Harle DG, et al. **Lancet** 1984 Apr 28;1(8383):930–2

Anaphylactic reactions to suxamethonium [letter] Vervloet D. **Lancet** 1983 Nov 19;2(8360):1197

[Prevention of hyperkalemia and muscular fasciculations induced by suxamethonium] Courvoisier C, et al. **Ann Fr Anesth Reanim** 1984;3(4):261–8 (Eng. Abstr.) **(Fre)**

[Study of allergy to general anesthetics and muscle relaxants using the lymphoblast transformation test] Janot C, et al. **Ann Fr Anesth Reanim** 1983;2(1):39–43 (Eng. Abstr.) **(Fre)**

[Acute rhabdomyolysis following administration of succinylcholine] Blumberg A, et al. **Schweiz Med Wochenschr** 1984 Jul 28;114(30):1068–71 (Eng. Abstr.) **(Ger)**

[Magnesium sulfate and pain caused by succinylcholine] Laveneziana D, et al. **Minerva Anestesiol** 1983 Dec; 49(12):713–5 (Eng. Abstr.) **(Ita)**

[Remarkable hypotension and erythema-hypersensitive reaction to succinylcholine chloride—a case report] Yamaya R, et al. **Masui** 1983 Dec;32(12):1464–8 (Eng. Abstr.) **(Jpn)**

[General anesthesia and a succinyldicholine-sensitive phenotype in children with various orthopedic diseases] Korolenko OA, et al. **Anesteziol Reanimatol** 1983 Jul-Aug; (4):13–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Analysis of succinylcholine in tissues and body fluids by ion-pair extraction and gas chromatography-mass spectrometry. Nordgren IK, et al. **Arch Toxicol [Suppl]** 1983;6:339–50

Determination of succinylcholine in tissues by TLC, GC/NPD, and GC/MS. Balkon J, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):237–40

ANTAGONISTS & INHIBITORS

The inhibitory effect of intravenous d-tubocurarine and oral dantrolene on halothane-succinylcholine-induced myoglobinemia in children. Asari H, et al. **Anesthesiology** 1984 Sep;61(3):332–3

Anticholinesterase antagonism of succinylcholine phase II block. Bevan DR, et al. **Can Anaesth Soc J** 1983 Nov; 30(6):569–72 **(Eng, Fre)**

Neostigmine antagonism of succinylcholine phase II block: a comparison with pancuronium. Futter ME, et al. **Can Anaesth Soc J** 1983 Nov;30(6):575–80

Cardiovascular effects of nondepolarizing relaxants employed for pretreatment prior to succinylcholine. Kingsley BP, et al. **Can Anaesth Soc J** 1984 Jan;31(1):13–9

DIAGNOSTIC USE

Halothane and halothane/succinylcholine induced malignant hyperthermia (porcine stress syndrome) in a population of Ontario boars. Seeler DC, et al. **Can J Comp Med** 1983 Jul;47(3):284–90

Temporary muscle paralysis for accurate measurement of pulmonary artery occlusion pressure. Schuster DP, et al. **Chest** 1983 Nov;84(5):593–7

METABOLISM

Succinylcholine—tissue distribution and elimination from plasma in the dog. Nordgren I, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2519–21

PHARMACODYNAMICS

Laryngeal muscle recovery after suxamethonium. Detection during intratracheal jet ventilation by pressure curve monitoring. Baer GA. **Anaesthesia** 1984 Feb;39(2):143–6

Intracranial and hemodynamic changes after succinylcholine administration in cats. Cottrell JE, et al. **Anesth Analg** 1983 Nov;62(11):1006–9

Succinylcholine-induced increases in plasma catecholamine levels in humans [letter] Derbyshire DR. **Anesth Analg** 1984 Apr;63(4):465–7

Succinylcholine and intracranial pressure—a cause for 'pause' [letter] Lam AM, et al. **Anesth Analg** 1984 Jun;63(6):620–2

Modification of pancuronium-induced nondepolarizing neuromuscular block by succinylcholine in anesthetized humans. Buzello W, et al. **Anesthesiology** 1983 Dec; 59(6):573–6

Neuromuscular blockade in a patient with nemaline myopathy. Heard SO, et al. **Anesthesiology** 1983 Dec; 59(6):588–90

Erythrocyte membrane stabilization by decamethonium and succinylcholine. Ahmad K, et al. **Bangladesh Med Res Counc Bull** 1983 Jun;9(1):7–10

Mechanism of sodium nitroprusside induced neuromuscular block & its influence on skeletal muscle relaxants. Diwan PV, et al. **Indian J Med Res** 1983 Oct;78:581–6

Chemical activation of group I and II muscle afferents has no cardiorespiratory effects. Waldrop TG, et al. **J Appl Physiol** 1984 May;56(5):1223–8

Responses of unanaesthetised and pentobarbitone-anaesthetised sheep to a lethal dose of succinyldicholine. Button C, et al. **J S Afr Vet Assoc** 1983 Mar;54(1):63–4

Chemical restraint of wild horses: effects on reproduction and social structure. Berger J, et al. **J Wildl Dis** 1983 Jul; 19(3):265–8

Differential effects of succinylcholine and acetylcholine on endplate and extrajunctional membranes of normal and denervated mouse skeletal muscle fibres. Lorković H, et al. **Neurosci Lett** 1984 Apr 20;46(1):31–4

Effect of prior administration of suxamethonium on non-depolarising muscle relaxants in the dog. Jones RS, et al. **Res Vet Sci** 1984 Jan;36(1):43–7

Effect of prior administration of a non-depolarising muscle relaxant on the action of suxamethonium in the dog. Jones RS, et al. **Res Vet Sci** 1984 May;36(3):348–53

[Comparative clinical study of the effects of vecuronium and suxamethonium during oto-rhino-laryngeal and tracheobronchial laser surgery] Gory C, et al. **Ann Fr Anesth Reanim** 1983;2(1):32–4 (Eng. Abstr.) **(Fre)**

[Role of vecuronium in comparison with curariform drugs used in man] Tannières-Ruffié ML, et al. **Ann Fr Anesth Reanim** 1983;2(1):35–8 (Eng. Abstr.) **(Fre)**

[Relation between postoperative serum GOT, GPT, and LDH activities and succinylcholine administered during anesthesia in children] Inagaki M, et al. **Masui** 1983 Sep; 32(9):1075–80 (Eng. Abstr.) **(Jpn)**

[Effects of succinylcholine on serum potassium level in patients with upper motor neuron diseases] Oku S, et al. **Masui** 1983 Oct;32(10):1227–35 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Atracurium v. suxamethonium in a case of organophosphorous poisoning [letter] Baraka A, et al. **Br J Anaesth** 1984 Jun;56(6):673

Suxamethonium in surgery for squint [letter] Abrams JD. **Br J Ophthalmol** 1984 Mar;68(3):218

SUCCINYLDICHOLINE see SUCCINYLCHOLINE

SUCKING BEHAVIOR

The use of tactile and olfactory cues in neonatal orientation and localization of the nipple. Larson MA, et al. **Dev Psychobiol** 1984 Jul;17(4):423–36

Sucking behaviors of normal 3-day-old female neonates during a 24-hr period. Rybski DA, et al. **Dev Psychobiol** 1984 Jan;17(1):79–86

Rapid decrease of plasma prolactin levels in lactating rats separated from their pups. Nagy G, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):311–6

The effects of a pacifying stimulus on behavioral and adrenocortical responses to circumcision in the newborn. Gunnar MR, et al. **J Am Acad Child Psychiatry** 1984 Jan; 23(1):34–8

Fuel metabolism and energy stores in fasting or suckling newborn guinea pigs. Duée PH, et al. **J Dev Physiol** 1983 Dec;5(6):383–93

Observation on sucking behaviour of Finnsheep lambs with particular reference to the effect of litter size. Atroshi F, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):280–6

[Reciprocal sucking behavior of calves raised artificially] Sambraus HH. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):119–23 (Eng. Abstr.) **(Ger)**

[Importance of sucking stimulation in lactation: histological aspects of the mammary gland in the rat] Rossi R, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1322–8 (Eng. Abstr.) **(Ita)**

[Importance of sucking stimulation in lactation: ultrastructural aspects of mammary glands in the rat] Rossi R, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1329–35 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Release of gastrin and insulin in response to suckling in lactating dogs. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1983;119(2):181–5

Effect of dopamine-depleting brain lesions on suckling and weaning in rats. Bruno JP, et al. **Behav Neurosci** 1984 Feb; 98(1):156–61

Suckling in the rat: evidence for patterned behavior during sleep. Shair H, et al. **Behav Neurosci** 1984 Apr;98(2):366–70

A technique for the measurement of 'sucking' in bottle fed infants. Drake T, et al. **Clin Phys Physiol Meas** 1983 Aug; 4(3):343–5

A sinusoidal-like fetal heart-rate pattern in association with fetal sucking—report of 2 cases. Nijhuis JG, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):353–8

Development of suck and swallow. Herbst JJ. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S131–5

Postpartum behavior in the mouse: the contribution of suckling stimulation to water intake, food intake and body weight regulation. Mann MA, et al. **Physiol Behav** 1983 Nov;31(5):633–8

SUCRASE

ANALYSIS

Fetal forms of oligoaminopeptidase, dipeptidylaminopeptidase IV, and sucrase in human intestine and meconium. Auricchio S, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):28–36

[Disaccharidase and related intestinal metaplasia in the mucous membrane of lithiasic gallbladder] Ohmura K. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1772–81 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Purification and partial characterization of chick intestinal sucrase. Matsushita S. **Comp Biochem Physiol [B]** 1983; 76(3):465–70

METABOLISM

Disaccharidases in coeliac disease. Horváth K, et al. **Acta Paediatr Hung** 1983;24(2):131–6

Modification of weight gain by an alpha–glucosidase inhibitor during refeeding in rats. Kotler DP, et al. **Am J Clin Nutr** 1984 Aug;40(2):270–6

Effect of dietary sucrose on synthesis and degradation of intestinal sucrase. Riby JE, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 1):G757–63

Sensitivity of Na+–coupled D–glucose uptake, Mg2+–ATPase and sucrase to perturbations of the fluidity of brush–border membrane vesicles induced by n–aliphatic alcohols. Fernandez YJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):171–7

The formation of alpha–D–(1——3) branch linkages by a D–glucansucrase from Streptococcus mutans 6715 producing a soluble D–glucan. Côté GL, et al. **Carbohydr Res** 1984 Apr 2;127(1):95–107

Comparative–molecular characterization of membrane digestion in fish and mammals. Ugolev AM, et al. **Comp Biochem Physiol [B]** 1983;76(3):627–35

Isolation and characterization of Neurospora mutants affected in invertase synthesis. Lee DB, et al. **Genetics** 1984 Apr;106(4):591–9

Intestinal lactase, sucrase, and alkaline phosphatase in 373 patients with coeliac disease. O'Grady JG, et al. **J Clin Pathol** 1984 Mar;37(3):298–301

The influence of hardly digestive starch granules on sucrase and isomaltase in small intestinal mucosa of rats. Fujita S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr; 30(2):135–42

Role of intrinsic, hormonal, and dietary factors in expression of perinatal development of mammalian small intestinal sucrase. Koldovský O. **J Pediatr Gastroenterol Nutr** 1983; 2 Suppl 1(Suppl 1):S145–50

Sucrase and maltase activities in supragingival dental plaque in humans of streptococcal, actinomyces and lactobacilli species. Fiehn NE, et al. **Scand J Dent Res** 1984 Apr; 92(2):97–108

SUCRASE–ISOMALTASE COMPLEX see under **MULTIENZYME COMPLEXES**

SUCROSE

Reduction of the sucrose–saline interdiffusion in the sucrose gap technique by controlled compression of the extracellular space in myocardial preparations. Cleemann L, et al. **Acta Physiol Scand** 1984 Mar;120(3):417–27

Glycerol, sucrose, and other diol–containing reagents are not inert components in in vitro incubations containing aminoacyl–tRNA. Johnson AE, et al. **Anal Biochem** 1984 Mar;137(2):351–9

A method to reduce interference by sucrose in the detection of thiobarbituric acid–reactive substances. Shlafer M, et al. **Anal Biochem** 1984 Mar;137(2):269–76

'De–satiation': the reinstatement of feeding in glucose–satiated rats. Mook DG, et al. **Appetite** 1983 Jun; 4(2):125–36

A D–glucosylated form of dextransucrase: demonstration of partial reactions. Luzio GA, et al. **Carbohydr Res** 1983 Sep 16;121:269–78

A D–glucosylated form of dextransucrase: preparation and characteristics. Parnaik VK, et al. **Carbohydr Res** 1983 Sep 16;121:257–68

Sweeteners: consumer acceptance in tea. Sprowl DJ, et al. **J Am Diet Assoc** 1984 Sep;84(9):1020–2

[Sucrose—nutritional and dietetic aspects] Mølstad P, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20;103(32):2156–9 **(Nor)**

ADMINISTRATION & DOSAGE

Feeding inhibition produced by concurrent sucrose ingestion in gerbils and hamsters. Wong R. **Am J Psychol** 1984 Summer;97(2):175–83

Sweet reason [letter] **Br Dent J** 1983 Nov 19;155(10):329–30

Microbial composition, pH–depressing capacity and acidogenicity of 3–week smooth surface plaque developed on sucrose–regulated diets in man. Scheie AA, et al. **Caries Res** 1984;18(1):74–86

Trends in sugar intake: do these parallel changes in caries prevalence among S. African preschoolchildren? Richardson BD, et al. **Community Dent Oral Epidemiol** 1984 Apr;12(2):140–4

The effects of physiologic amounts of simple sugars on lipoprotein, glucose, and insulin levels in normal subjects. Bossetti BM, et al. **Diabetes Care** 1984 Jul–Aug;7(4):309–12

Effects of dietary sucrose on factors influencing cholesterol gall stone formation. Werner D, et al. **Gut** 1984 Mar; 25(3):269–74

Sucrose diet induced enzymatic and hormonal responses affecting carbohydrate, lipid and energy metabolism in two species differing in insulin availability: spiny and ob/ob mice. Shafrir E, et al. **Int J Biochem** 1984;16(4):375–82

Diurnal changes in glycogen stores in liver and skeletal muscle of rats in relation to the feed timing of sucrose. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct; 29(5):545–52

Rice or sucrose in the diabetic diet [letter] **Lancet** 1984 Sep 8;2(8402):585–6

Influence of alcohol and sucrose consumption on energy balance and brown fat activity in the rat. Rothwell NJ, et al. **Metabolism** 1984 Aug;33(8):768–71

Early exposure to sugars influences the sugar preference of the adult rat. Marlin NA. **Physiol Behav** 1983 Nov; 31(5):619–23

Variation in human oral lactobacilli following a change in sugar intake. Crossner CG. **Scand J Dent Res** 1984 Jun; 92(3):204–10

Consumption of refined sugar by patients with Crohn's disease, ulcerative colitis, or irritable bowel syndrome. Järnerot G, et al. **Scand J Gastroenterol** 1983 Nov; 18(8):999–1002

Is there not a strong relationship nowadays between caries and consumption of sweets? Sundin B, et al. **Swed Dent J** 1983;7(3):103–8

[Effect of different types of bacteria and saccharose concentrations on the incidence of caries in gnotobiotic rats] Karle EJ, et al. **Dtsch Zahnarztl Z** 1983 Oct; 38(10):941–3 (Eng. Abstr.) **(Ger)**

[Metabolic and clinical effects of the acute and chronic oral administration of a combination of branched–chain amino acids and saccharose] Dioguardi FS, et al. **Minerva Chir** 1983 Nov 15;38(21):1815–9 **(Ita)**

[Effect of saccharose and sorbit on indices of carbohydrate metabolism in mixed saliva of patients with diabetes mellitus and dental caries] Petrovich IuA, et al. **Vopr Pitan** 1983 Sep–Oct;(5):28–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Potential cariogenicity of low and high sucrose dietary patterns. Graf H. **J Clin Periodontol** 1983 Nov;10(6):636–42

Enamel demineralization by mouthrinses containing different concentrations of sucrose. Tehrani A, et al. **J Dent Res** 1983 Dec;62(12):1216–7

Influence of frequent sugar intakes on experimental gingivitis. Sidi AD, et al. **J Periodontol** 1984 Jul;55(7):419–23

Intra–oral testing of flavoured sweetened milk. Thomson ME, et al. **NZ Dent J** 1984 Apr;80(360):44–6

A possible proximity effect on human grip strength. Radin DI. **Percept Mot Skills** 1984 Jun;58(3):887–8

ANALOGS & DERIVATIVES

Comparative effects of five chlorosucrose analogues on acidogenicity and adherence of the oral bacterium Streptococcus mutans in vitro. Drucker DB. **Arch Oral Biol** 1983;28(9):833–7

The synthesis of some fluoro derivatives of sucrose. Hough L, et al. **Carbohydr Res** 1984 Feb 15;125(2):247–52

Studies on the metabolic fate of sucrose esters in rats. Shigeoka T, et al. **Food Chem Toxicol** 1984 Jun;22(6):409–14

The effects of fatty acids and their monoesters on the metabolic activity of dental plaque. Hayes ML. **J Dent Res** 1984 Jan;63(1):2–5

Weight gain and feed efficiency of chicks fed sucrose fatty acid esters. Wei JJ, et al. **Poult Sci** 1984 Feb;63(2):378–80

ANALYSIS

Preparation of sugar–salt solutions. de Zoysa I, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):260–2

BLOOD

Inhibition of complement–induced [14C]sucrose release by intracellular and extracellular monoclonal antibodies to C9: evidence that C9 is a transmembrane protein. Morgan BP, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):616–22

METABOLISM

Taurocholate, but not taurodehydrocholate, increases biliary permeability to sucrose. Reichen J, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G651–5

Sucrose metabolism in situ by dental plaque in appliance–borne bovine enamel tooth fissure inserts in man. Minah GE, et al. **Arch Oral Biol** 1984;29(6):467–71

Trapping of electro–injected [14C]sucrose by hepatocyte mitochondria: a mechanism for cellular autofiltration? Tolleshaug H, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):955–61

Reduced permeation of 14C–sucrose, 3H–mannitol and 3H–inulin across blood–brain barrier in nephrectomized rats. Preston E, et al. **Brain Res Bull** 1984 Jan;12(1):133–6

Relative, quantitative effects of acceptors in the reaction of Leuconostoc mesenteroides B–512F dextransucrase. Robyt JF, et al. **Carbohydr Res** 1983 Sep 16;121:279–86

Response of hepatic fructokinase to long–term sucrose diets and diabetes in spiny mice, albino mice and rats. Shafrir E, et al. **Comp Biochem Physiol [B]** 1984;78(2):493–8

The effects of an alpha–glucoside hydrolase inhibitor on glycemia and the absorption of sucrose in man determined using a tracer method. Radziuk J, et al. **Diabetes** 1984 Mar; 33(3):207–13

Experimental sucrose overloading of rat liver lysosomes: effect of pre–treatment with invertase. Thirion J, et al. **Eur J Cell Biol** 1983 Jul;31(1):107–13

Accelerated fluid endocytosis and re–exocytosis by lysosomal storage disease fibroblasts. Dean RT. **Exp Cell Res** 1984 Apr;151(2):563–6

Permeability of the boundary layers of Bdellovibrio bacteriovorus 109J and its bdelloplasts to small hydrophilic molecules. Cover WH, et al. **J Bacteriol** 1984 Feb; 157(2):385–90

The role of sugar in the aetiology of dental caries. 4. The microbiological evidence. Drucker DB. **J Dent** 1983 Sep; 11(3):205–7 (4 ref.)

The role of sugar in the aetiology of dental caries. 3. The physiochemical evidence. Edgar WM. **J Dent** 1983 Sep; 11(3):199–205 (35 ref.)

The effects of fatty acids and their monoesters on the metabolic activity of dental plaque. Hayes ML. **J Dent Res** 1984 Jan;63(1):2–5

Gap junction structures. V. Structural chemistry inferred from X–ray diffraction measurements on sucrose accessibility and trypsin susceptibility. Makowski L, et al. **J Mol Biol** 1984 Apr 15;174(3):449–81

A modified method for measurement of radiotracer permeation across the rat blood—brain barrier: the problem of correcting brain uptake for intravascular tracer. Preston E, et al. **J Neurosci Methods** 1983 Sep;9(1):45–55

D–[1–14C]mannitol and [U–14C]sucrose as extracellular space markers for human spermatozoa and the uptake of 2–deoxyglucose. Ford WC, et al. **J Reprod Fertil** 1983 Nov; 69(2):479–87

Sucrose taken during mixed meal has no additional hyperglycaemic action over isocaloric amounts of starch in well–controlled diabetics. Slama G, et al. **Lancet** 1984 Jul 21;2(8395):122–5

Comparative study of isomalt and sucrose by means of continuous indirect calorimetry. Thiébaud D, et al. **Metabolism** 1984 Sep;33(9):808–13

Growth and acid production of Candida albicans in carbohydrate supplemented media. Samaranayake LP, et al. **Microbios** 1983;37(148):105–15

Sucrose transport into Streptococcus mutans. **Nutr Rev** 1983 Aug;41(8):256–8 (8 ref.)

The fermentation of sucrose, sorbitol, and xylitol by Propionibacterium avidum, resulting in the formation of caries–like lesions in enamel. Gallagher IH, et al. **NZ Dent J** 1983 Jul;79(357):75–9

Metabolic effects of high sucrose or fructose intake. Vrána A, et al. **World Rev Nutr Diet** 1983;42:56–101 (229 ref.)

[Polyacrylamide gel electrophoresis analysis of membrane proteins of microvilli and of a cytoplasmic fraction in 8 cases of congenital saccharose intolerance] Schmitz J, et al. **Gastroenterol Clin Biol** 1980 Apr;4(4):251–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Responses of feline intradental sensory nerves to hyperosmotic stimulation of dentin. Panopoulos P, et al. **Acta Odontol Scand** 1983 Dec;41(6):369–75

Effect of dietary sucrose on the SHR/N–corpulent rat: a new model for insulin–independent diabetes. Michaelis OE 4th, et al. **Am J Clin Nutr** 1984 Apr;39(4):612–8

Sucrose–induced insulin resistance in the rat: modulation by exercise and diet. Wright DW, et al. **Am J Clin Nutr** 1983 Dec;38(6):879–83

Effect of sucrose feeding on alpha 1–adrenergic responses in rat liver. Lynch CJ, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E344–9

Effect of dietary sucrose on synthesis and degradation of intestinal sucrase. Riby JE, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 1):G757–63

An in–vitro study of the role of sucrose and interactions between oral bacteria in possible mechanisms of dental plaque formation. Adshead VM, et al. **Arch Oral Biol** 1983; 28(8):723–7

An investigation of the effects of maltose and sucrose in the diet on the microbiology of dental plaque in man. Skinner A, et al. **Arch Oral Biol** 1984;29(4):323–6

Induction of beta–galactosidase in beta–galactosidase–alpha–neuraminidase deficiency: effects of leupeptin and sucrose. Kato T, et al. **Biochem Int** 1983 Feb;6(2):267–73

Sucrose modifies ribosomal stability and conformation. Reboud AM, et al. **Biochimie** 1984 Mar;66(3):251–5

Isoosmotic sucrose, adenine, inosine media for preservation of blood. Nakao M, et al. **Biomed Biochim Acta** 1983; 42(5):527–35

Post–heparin plasma hepatic triglyceride lipase and monoglyceride hydrolase activities in hyperlipemia induced by a sucrose rich diet. Basilico MZ, et al. **Biomed Pharmacother** 1983;37(1):36–41

The effects of oral fructose, sucrose, and glucose in subjects with reactive hypoglycemia. Crapo PA, et al.

Diabetes Care 1982 Sep–Oct;5(5):512–7
Dietary sugar promotes gene activation in intestinal cell chromatin of adult rats. Raul F, et al. Experientia 1984 Apr 15;40(4):364–5
Varying effects of calcium on the oxidation of palmitate and alpha–ketoglutarate in isolated rat liver mitochondria incubated in KCl–based and sucrose–based media. Borrebaek B, et al. Int J Biochem 1984;16(5):477–81
Effects of sugared and sugar–free chewing gum on the accumulation of plaque and debris on the teeth. Addy M, et al. J Clin Periodontol 1982 Jul;9(4):346–54
Plaque pH measurements by different methods on the buccal and approximal surfaces of human teeth after a sucrose rinse. Jensen ME, et al. J Dent Res 1983 Oct;62(10):1058–61
Enamel fluoride uptake and acid resistance in subjects with high and low experimental cariogenicity. Ostrom CA, et al. J Dent Res 1984 Feb;63(2):133–6
Effect of cheese, with and without sucrose, on dental caries and recovery of Streptococcus mutans in rats. Rosen S, et al. J Dent Res 1984 Jun;63(6):894–6
Effect of maternal carbohydrate intake on mitochondrial activity and on lipogenesis by the young and mature progeny. Bouillon DJ, et al. J Nutr 1983 Nov; 113(11):2205–16
Modulation of RNA polymerase activities in the intestine of adult rats by dietary sucrose. Raul F, et al. J Nutr 1983 Oct;113(10):2034–40
Effect of voluntary running exercise on hypertriacylglycerolemic effect of sucrose in relation to its feeding timing in rats. Suzuki M, et al. J Nutr Sci Vitaminol (Tokyo) 1983 Dec;29(6):663–70
Effects of dietary substances in children. Rapoport JL. J Psychiatr Res 1982–83;17(2):187–91 (15 ref.)
(Na+,K+)-ATPase stimulation by sucrose feeding: prevention by 6–hydroxydopamine. Swann AC. Life Sci 1984 Jan 23;34(4):353–7
The plasma amino acid response to cafeteria feeding in the rat: influence of hyperphagia, sucrose intake, and exercise. Calles–Escandon J, et al. Metabolism 1984 Apr;33(4):364–8
Effects of sucrose feeding and denervation on lipogenesis in brown adipose tissue. Granneman JG, et al. Metabolism 1984 Mar;33(3):257–61
The effects of sucrose loading on lysosomal hydrolases. Kato T, et al. Mol Cell Biochem 1984;60(1):83–98
Stress and sucrose hyperphagia: role of endogenous opiates. Bertiere MC, et al. Pharmacol Biochem Behav 1984 May; 20(5):675–9
Comparison of sucrose–sucrose to sucrose–ethanol concurrent responding in the rat: reinforcement schedule and fluid concentration effects. Samson HH, et al. Pharmacol Biochem Behav 1984 Jun;20(6):973–7
Contingent and non–contingent actions of sucrose and saccharin reinforcers: effects on taste preference and memory. Mesnier C, et al. Physiol Behav 1984 Feb; 32(2):195–203
Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. III. Composition and bone resorbing potential of dental plaque. Hurttia H, et al. Proc Finn Dent Soc 1984;80(1):20–7
Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. V. Response of hamster cheek pouch microcirculation to dental plaque. Luostarinen V, et al. Proc Finn Dent Soc 1984;80(1):35–9
Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. II. Relative composition of free amino acids in human crevicular fluid. Mäkinen KK, et al. Proc Finn Dent Soc 1984;80(1):13–9
Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. I. Clinical findings and analysis of gingival exudate. Paunio K, et al. Proc Finn Dent Soc 1984; 80(1):3–12
Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. IV. Analysis of whole saliva. Tenovuo J, et al. Proc Finn Dent Soc 1984;80(1):28–34
[Effect of saccharose and lactose on the resistance of Saccharomyces cerevisiae yeast to desiccation] Rapoport AI, et al. Mikrobiologiia 1983 Sep–Oct;52(5):719–22 (Eng. Abstr.) (Rus)
[Effect of sorbitol and saccharose on glycolysis in the mixed saliva of persons with intact teeth and caries lesions] Borovskii EV, et al. Stomatologiia (Mosk) 1983 Sep–Oct; 62(5):27–30 (Eng. Abstr.) (Rus)
[Electron microscopic and polarographic study of rat liver mitochondria during freezing and thawing in sucrose and saline media] Petrenko AIu, et al. Ukr Biokhim Zh 1984 Jan–Feb;56(1):84–7 (Eng. Abstr.) (Rus)
[Effect of saccharose ingestion on plasma osmolarity and diuresis in renal lithiasis, asymptomatic relatives and healthy subjects] González–Calvín JL, et al. Rev Clin Esp 1984 Mar 31;172(6):329–32 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Sugar salt solution (SSS) using standard plastic scoops ('blue spoon') in the treatment of acute diarrhoea. Sunoto, et al. Paediatr Indones 1983 Nov–Dec;23(11–12):217–28

TOXICITY

Protection against sucrose–induced retinal capillary damage in the Wistar rat. Thornber JM, et al. J Nutr 1984 Jun; 114(6):1070–5

SUCTION

Suction curettage lipectomy. Chajchir A, et al. Aesthetic Plast Surg 1983;7(4):195–203
Body sculpturing by lipo–suction extraction. Dolsky RL. Aesthetic Plast Surg 1984;8(2):75–83
Treatment of acute alcoholic pancreatitis: the roles of cimetidine and nasogastric suction. Loiudice TA, et al. Am J Gastroenterol 1984 Jul;79(7):553–8
The use of sequential analysis to assess patient preference for local skin anaesthesia during knee aspiration. Kirwan JR, et al. Br J Rheumatol 1984 Aug;23(3):210–3
An alternative to the diagnostic dilatation and curettage—endometrial cytology. Polson DW, et al. Br Med J [Clin Res] 1984 Mar 31;288(6422):981–3
High–frequency jet ventilation and tracheobronchial suctioning. Guntupalli K, et al. Crit Care Med 1984 Sep; 12(9):791–2
Ultrasonically guided percutaneous aspiration and drainage of intra–abdominal abscesses. Dintenfass NJ. J Am Osteopath Assoc 1983 Sep;83(1):34–9, 41
Sonographic depiction of changes in ventricular size associated with repeated ventricular aspirations. Fleischer AC, et al. J Ultrasound Med 1983 Nov;2(11):499–504
Prophylactic metronidazole or suction drainage in abdominal hysterectomy. Poulsen HK, et al. Obstet Gynecol 1984 Mar; 63(3):291–4
Transmission of herpes simplex virus type 1 to a newborn infant during endotracheal suctioning for meconium aspiration. Van Dyke RB, et al. Pediatr Infect Dis 1984 Mar–Apr;3(2):153–6
Optimal wound healing under Op–Site dressing. Ramirez OM, et al. Plast Reconstr Surg 1984 Mar;73(3):474–5
Treatment of pneumothorax by simple aspiration. Hamilton AA, et al. Thorax 1983 Dec;38(12):934–6
[Metronidazole or suction drainage. The value after abdominal hysterectomy] Poulsen HK, et al. Ugeskr Laeger 1983 Sep 26;145(39):3008–10 (Eng. Abstr.) (Dan)
[Trans–cricothyroid puncture in broncho–pulmonary infections in immunosuppressed subjects] Fortuni M, et al. Arch Monaldi 1982 May–Jun;37(3–4):235–42 (Eng. Abstr.) (Ita)
[Epicranial drainage: hemodynamic changes] Gilsanz FJ, et al. Rev Esp Anestesiol Reanim 1984 Jan–Feb;31(1):20–1 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Passage of albumin from plasma to suction skin blisters. Staberg B, et al. Clin Physiol 1983 Aug;3(4):375–80
Cumulative effects of three sequential endotracheal suctioning episodes in the dog model. Baun MM, et al. Heart Lung 1984 Mar;13(2):148–54
Cutaneous blastomycosis: an unusual complication of transtracheal aspiration. Prados MD, et al. J La State Med Soc 1983 Aug;135(8):9–10
Suctioning and cerebral blood flow [letter] Marshall TA. Pediatrics 1984 May;73(5):737
Suctioning and cerebral blood flow [letter] Trevathan E. Pediatrics 1984 Apr;73(4):570
Reexpansion pulmonary edema after pneumothorax. Kernodle DS, et al. South Med J 1984 Mar;77(3):318–22
[Reexpansion unilateral pulmonary edema] Auregan G, et al. Poumon Coeur 1983;39(3):151–7 (Eng. Abstr.) (Fre)
[Muscular changes caused by suction drainage. Scanning electron microscopy, transmission electron microscopy, light microscopy and morphometric studies of dorsal muscles of the rat (Rattus rattus) using drainage] Graf J, et al. Unfallchirurgie 1983 Aug;9(4):223–8 (Eng. Abstr.) (Ger)
[Current topics on re–expansion pulmonary edema] Takamura K, et al. Kokyu To Junkan 1984 Feb;32(2):133–41 (62 ref.) (Jpn)

INSTRUMENTATION

Optimum vacuum pressures for lipolysis. Hetter GP. Aesthetic Plast Surg 1984;8(1):23–6
Suction catheter attached to laryngoscope [letter] Fishelev W, et al. Anaesthesia 1984 Feb;39(2):188–9
Continuous pharyngeal suction during surgery [letter] Greenberg L, et al. Anesthesiology 1984 Jan;60(1):82
Reliavac evacuator: a new disposable suction drain: use after mastectomy and cholecystectomy. Benson C, et al. Ann R Coll Surg Engl 1984 Jul;66(4):289–90
Disposable drains. Royle GT, et al. Ann R Coll Surg Engl 1984 Jul;66(4):288
A suction cone to prevent spillage during hydatid surgery. Aarons BJ, et al. Aust NZ J Surg 1983 Oct;53(5):471–2
Effects of root canal irrigants [letter] Newman IG. Br Dent J 1983 Sep 24;155(6):183
An improvised microsurgical sucker. Batchelor AG. Br J Plast Surg 1984 Jul;37(3):406
Disposable suction canisters. Crow S. Infect Control 1984 May;5(5):235–6
Suction irrigation. Construction and use of a dependable closed system. Schwartz NH, et al. J Am Podiatry Assoc 1984 May;74(5):216–21
Simple aspiration of pneumothorax [editorial] Lancet 1984 Feb 25;1(8374):434–5
Conservative management of spontaneous pneumothorax [letter] Lancet 1984 Mar 24;1(8378):687–9
A new instrument for closed irrigation–suction treatment. Kawashima M, et al. Nippon Seikeigeka Gakkai Zasshi 1983 Jun;57(6):643–50
A system for variable aspiration of material dissected from the posterior chamber. Helfgott MA. Ophthalmic Surg 1984 Jun;15(6):529–30
45–Degree angled aspiration tip with sandblasted, roughened edge for posterior capsule polishing. Soll DB. Ophthalmic Surg 1983 Aug;14(8):689
Lipodissection in body sculpturing: the dry procedure. Fournier PF, et al. Plast Reconstr Surg 1983 Nov; 72(5):598–609
Regional fat aspiration for body contouring. Kesselring UK. Plast Reconstr Surg 1983 Nov;72(5):610–9
Umbrella–tipped suction cannula [letter] Uysal T. Plast Reconstr Surg 1983 Nov;72(5):736
Evaluation of the Venom Ex apparatus in the treatment of Egyptian cobra envenomation. A study in rabbits. Reitz CJ, et al. S Afr Med J 1984 Jul 28;66(4):135–8
A simplified method for repeated nasotracheal suction. Pode D, et al. Surg Gynecol Obstet 1984 Aug;159(2):173–4
[A simplified drainage/irrigation system for extracapsular cataract extraction] Schmitt EJ. Klin Monatsbl Augenheilkd 1984 Mar;184(3):238–9 (Eng. Abstr.) (Ger)
[The Ikar–4 apparatus for artificial coughing] Reiderman EN, et al. Med Tekh 1983 Sep–Oct;(5):61–2 (Rus)

METHODS

Drainage of postabortion hematometra by Foley catheter. Borten M, et al. Am J Obstet Gynecol 1984 Aug 15; 149(8):908–9
A comparison of two types of vacuum drainage after cholecystectomy. Salam IM, et al. Ann R Coll Surg Engl 1984 May;66(3):190–1
Evacuation of calcific valvular debris using a standard Ellik evacuator. Moores WY, et al. Ann Thorac Surg 1984 Jul; 38(1):70–1
Bronchography after bronchoscopy [letter] Taber RE. Ann Thorac Surg 1984 Mar;37(3):264
Vacuum arthrocentesis for massive knee effusions [letter] Nahir AM, et al. Br J Rheumatol 1984 Aug;23(3):235–6
Efficacy of preoperative hip aspiration performed in the radiology department. Phillips WC, et al. Clin Orthop 1983 Oct;(179):141–6
Transtracheal aspiration: reduction in complication rate by using a modified technique. Lieberman D, et al. Isr J Med Sci 1984 Jul;20(7):641–2
Sebo–suction—an effective adjunctive treatment for comedone acne. Pierce HE. J Dermatol Surg Oncol 1983 Dec;9(12):955
Topics in perinatal medicine. V: Management of meconium staining in the delivery room. Sheldon RE. J Okla State Med Assoc 1983 Dec;76(12):418–9
Blood loss associated with Ring uncemented total knee replacement: comparison between continuous and intermittent suction drainage. Wittmann FW, et al. J R Soc Med 1984 Jul;77(7):556–8
Ultrasonic guidance of suprapubic aspiration in infants. Sagi EF, et al. JCU 1983 Aug;11(6):347–8
Pregnancy after percutaneous transvesical ultrasound–guided follicle aspiration for in–vitro fertilization. de Crespigny LC, et al. Med J Aust 1984 Jan 7;140(1):31–2
Suction–assisted lipectomy, suction lipectomy, lipolysis, and lipexeresis. Grazer FM. Plast Reconstr Surg 1983 Nov; 72(5):620–3
Some thoughts on suction–assisted lipectomy. Reed LS. Plast Reconstr Surg 1983 Nov;72(5):624–6
Face and neck suction–assisted lipectomy associated with rhytidectomy. Teimourian B. Plast Reconstr Surg 1983 Nov;72(5):627–33
Percutaneous catheter aspiration and drainage of suspected mediastinal abscesses. Gobien RP, et al. Radiology 1984 Apr;151(1):69–71
Ultrasonography in the diagnosis and management of empyema of the thorax. Mace AH, et al. South Med J 1984 Mar;77(3):294–6
Nasogastric intubation after intestinal resection. Reasbeck PG, et al. Surg Gynecol Obstet 1984 Apr;158(4):354–8
Mediastinal tap as useful method for the early diagnosis of mediastinal infection. Sarr MG, et al. Surg Gynecol Obstet 1984 Jul;159(1):79–81
[Advantages of flexible bronchoscopy in bronchial aspiration] Uchytil B, et al. Cesk Otolaryngol 1984 Apr;33(2):95–8 (Eng. Abstr.) (Cze)
[Forceps for non–traumatic extraction of intraocular foreign bodies] Kroll P, et al. Bull Mem Soc Fr Ophtalmol 1983; 95:423–5 (Fre)
[Specular microscope study of the relation between endothelial cell loss and the time of irrigation–aspiration during extracapsular cataract extraction] Herzeel R, et al. Bull Soc Belge Ophtalmol 1983;206:37–40 (Fre)
[External vacuum–aspiration in the treatment of diseases of soft tissues] Lokhvitskii SV, et al. Khirurgiia (Mosk) 1984 Apr;(4):130–4 (Rus)

VETERINARY

A technique for saliva collection in dogs. Phillips PA, et al. **Lab Anim Sci** 1983 Oct;33(5):465–6
Transtracheal aspiration in the horse: a photo essay. Krpan MK. **Mod Vet Pract** 1984 May;65(5):A19–22

SUDDEN DEAFNESS see **DEAFNESS, SUDDEN**

SUDDEN INFANT DEATH

Sudden infant death syndrome: the physician's dilemma. Brady JP, et al. **Adv Pediatr** 1983;30:635–72 (138 ref.)
The county medical examiners and the Tennessee SIDS Program. **J Tenn Med Assoc** 1984 Feb;77(2):89, 91
Sudden infant death syndrome. Edwards KM. **J Tenn Med Assoc** 1983 Nov;76(11):725–7
The Tennessee sudden infant death syndrome program. Stuntz M, et al. **J Tenn Med Assoc** 1983 Nov;76(11):728–9
Legionellosis and cot death [letter] Nigro G, et al. **Lancet** 1983 Oct 29;2(8357):1034–5
Sudden infant death syndrome. Kleinberg F. **Mayo Clin Proc** 1984 May;59(5):352–7
Dysmorphism, dysplasia, and anomaly in sudden infant death [letter] Molz G, et al. **N Engl J Med** 1984 Jul 26;311(4):259
The mystery of SIDS [editorial] Levine MI. **Pediatr Ann** 1984 Mar;13(3):183–5
SIDS and the family: the pediatrician's role. Zebal BH, et al. **Pediatr Ann** 1984 Mar;13(3):237–40, 243, 246 passim
Sudden infant death syndrome and infantile apnea: introduction. Zebel BH, et al. **Pediatr Ann** 1984 Mar; 13(3):188–90
Unexpected death of an infant sibling. Mandell F, et al. **Pediatrics** 1983 Nov;72(5):652–7
[Diagnosis and assistance in crib death] Geudeke M. **Ned Tijdschr Geneeskd** 1983 Nov 5;127(45):2052–4 **(Dut)**
[Crib death] van Gestel WJ. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):878–9 **(Dut)**
[Sudden infant death syndrome in Italy. A multidisciplinary approach] Segantini A, et al. **Pediatr Med Chir** 1983 May–Jun;5(3):57–60 (Eng. Abstr.) **(Ita)**
[Sudden infant death with abnormal secretion of urinary ADH] Yokoya S, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:24–6 **(Jpn)**

BLOOD

Sudden infant death syndrome: measurement of total and specific serum immunoglobulin E (IgE). Mirchandani HG, et al. **J Forensic Sci** 1984 Apr;29(2):425–9
Postmortem changes in serum thyroid hormone concentrations and SIDS [letter] **J Pediatr** 1983 Oct; 103(4):669–71
Elevated thiamine levels in SIDS, non-SIDS, and adults: postmortem artifact. Wyatt DT, et al. **J Pediatr** 1984 Apr; 104(4):585–8

CHEMICALLY INDUCED

DTP immunization and SIDS [letter] Geraghty KC. **J Pediatr** 1984 Jul;105(1):169–71
[Results of chemico-toxicologic studies on infants] Käferstein H, et al. **Beitr Gerichtl Med** 1983;41:145–50 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Far-field auditory evoked potentials in near-miss sudden infant death syndrome. Lüders H, et al. **Arch Neurol** 1984 Jun;41(6):615–7
The sudden infant death syndrome. Rahilly P. **Aust Fam Physician** 1983 Oct;12(10):756–7
[Differential diagnostic significance of individual morphometric pulmonary artery patterns in sudden infant death syndrome] Weiler G. **Beitr Gerichtl Med** 1983; 41:31–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Liver fatty acids and the sudden infant death syndrome. Fogerty AC, et al. **Am J Clin Nutr** 1984 Feb;39(2):201–8
Sudden infant death with congenital cytomegalic inclusion disease. Sun CC, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):65–7
Pattern of illnesses before cot deaths. Stanton AN, et al. **Arch Dis Child** 1983 Nov;58(11):878–81
Sudden infant death syndrome caused by poliomyelitis. Dunne JW, et al. **Arch Neurol** 1984 Jul;41(7):775–7
Ischemia of the brain stem as a cause of sudden infant death syndrome. Atkinson JB, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):341–2
Pulmonary veno-occlusive disease as a cause of sudden infant death. Cagle P, et al. **Arch Pathol Lab Med** 1984 Apr; 108(4):338–40
Type I hyperlipoproteinemia presenting as sudden death in infancy. Potter JM, et al. **Aust NZ J Med** 1983 Aug; 13(4):381–3
Acute stridor in a preschool child [letter] **Br Med J [Clin Res]** 1984 May 12;288(6428):1455–6
Deficiency of medium chain fatty acylcoenzyme A dehydrogenase presenting as the sudden infant death syndrome. Howat AJ, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):970
Respiratory viruses and sudden infant death. Williams AL, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1491–3
Management of infants with apnea and potential apnea. A survey of pediatric opinion. Lewak N, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):369–73
REM sleep prevents sudden infant death syndrome. Watanabe K, et al. **Eur J Pediatr** 1983 Sep;140(4):289–92
Parents seeking help after cot death. How atypical is their experience? Crichton NJ, et al. **J Epidemiol Community Health** 1983 Sep;37(3):208–12
The dilemma of SIDS. Sherman JM, et al. **J Fla Med Assoc** 1983 Sep;70(9):798–801
Lingual thyroglossal duct cyst causing death in a four-week-old infant. Hanzlick RL. **J Forensic Sci** 1984 Jan;29(1):345–8
Rapid death of infant rhesus monkeys injected with Clostridium difficile toxins A and B: physiologic and pathologic basis. Arnon SS, et al. **J Pediatr** 1984 Jan; 104(1):34–40
Apnea and sudden unexpected death in infants with achondroplasia. Pauli RM, et al. **J Pediatr** 1984 Mar; 104(3):342–8
Cardiac effects of esophageal stimulation: possible relationship between gastroesophageal reflux (GER) and sudden infant death syndrome (SIDS). Kenigsberg K, et al. **J Pediatr Surg** 1983 Oct;18(5):542–5
Ventilatory dysfunction and sudden infant death syndrome [editorial] **Lancet** 1984 Sep 8;2(8402):558–9
Identification of children at risk of unexpected death [letter] Taylor EM, et al. **Lancet** 1983 Oct 29;2(8357):1033–4
Legionellosis and sudden infant death syndrome [letter] Watson KC, et al. **Lancet** 1983 Dec 3;2(8362):1312
Hepatic biotin and the sudden infant death syndrome [letter] Heard GS, et al. **Med J Aust** 1983 Oct 1;2(7):305–6
Cot death and potassium 4: hypothermia and feeding patterns [letter] Kibblewhite KE. **NZ Med J** 1984 Sep 26; 97(764):656
The vitamin E/selenium responsive diseases of animals and the sudden infant death syndrome: common findings [letter] Money DF. **NZ Med J** 1983 Nov 23;96(744):990
SIDS research update. Merritt TA, et al. **Pediatr Ann** 1984 Mar;13(3):193–207
DTP and SIDS [letter] Mortimer EA Jr, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):492–3
Mineral levels in sudden infant death syndrome [letter] Caddell JL. **Pediatr Res** 1984 Jun;18(6):570–2
Sleep and nasal obstruction [letter] Shaw EB. **Pediatrics** 1983 Nov;72(5):753–4
Sudden infant death syndrome [letter] Southall DP, et al. **Pediatrics** 1984 Apr;73(4):567–8
Breast feeding and toxigenic intestinal infections: missing links in crib death? Arnon SS. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S193–201 (63 ref.)
Accidental death from hypercapnia and sudden infant death syndrome [letter] Seifert P. **South Med J** 1984 Mar; 77(3):407–8
'Smoking and pregnancy' kit available [letter] Heavener JC Jr. **W Va Med J** 1984 Feb;80(2):37
[Crib death, an unceasing diagnostic challenge] van Vught AJ, et al. **Ned Tijdschr Geneeskd** 1983 Nov 5; 127(45):2033–6 **(Dut)**
[Sudden infant death syndrome: respiratory causes] Marchal F. **Bull Eur Physiopathol Respir** 1983 Jul–Aug;19(4):411–21 (140 ref.) (Eng. Abstr.) **(Fre)**
[Sudden and unexplained infant death] Kahn A. **Bull Mem Acad R Med Belg** 1983;138(3):225–35 (Eng. Abstr.) **(Fre)**
[Sudden infant death from cardiac causes] Schmidt H. **Arztl Jugendkd** 1984 Feb;75(1):38–48 (Eng. Abstr.) **(Ger)**
[Regional distribution of beta-endorphins in the brain of infants expected and not expected to die (preliminary results of an attempt to clarify the pathogenetic relationship between endorphins and sudden infant death)] Pasi A, et al. **Beitr Gerichtl Med** 1983;41:35–41 (Eng. Abstr.) **(Ger)**
[Sudden infant death caused by adrenal gland hemorrhage. Case report] Schäffer R. **Beitr Gerichtl Med** 1983;41:43–7 (Eng. Abstr.) **(Ger)**
[Sudden death in the 1st year of life. Current state of knowledge – an overview for the practicing physician] Molz G, et al. **Praxis** 1983 Nov 15;72(46):1451–3 (19 ref.) (Eng. Abstr.) **(Ger)**
[Sudden infant death and hypertrophy of the thymus gland] Bonzanigo C, et al. **Schweiz Rundsch Med Prax** 1983 Dec 20;72(51–52):1617–25 (Eng. Abstr.) **(Ger)**
[Sudden infant death syndrome (S.I.D.S.) and near-miss S.I.D.S. (editorial)] Winter S, et al. **Harefuah** 1983 Dec 1;105(11):384–6 **(Heb)**
[Idiopathic generalized calcinosis of the arteries as a cause of the sudden infant death syndrome] Khadasevich LS, et al. **Pediatriia** 1983 Jun;(6):63–4 **(Rus)**
[Sudden and unexpected death in children (SIDS)] Oprić M, et al. **Med Pregl** 1983;36(5–6):247–52 **(Scr)**

FAMILIAL & GENETIC

Response to acute hypercapnia in the parents of victims of sudden infant death syndrome. Couriel JM, et al. **Pediatrics** 1984 May;73(5):652–5

HISTORY

Evolution of SIDS diagnosis. Franciosi RA. **Minn Med** 1983 Jul;66(7):411–3

METABOLISM

Metal content of the liver in sudden infant death syndrome. Steele RJ, et al. **Aust Paediatr J** 1984 May;20(2):141–2
Sudden infant death syndrome: increased carotid-body dopamine and noradrenaline content. Perrin DG, et al. **Lancet** 1984 Sep 8;2(8402):535–7

MORTALITY

Post neonatal mortality in Dublin with special considerations of sudden infant death syndrome. Radic A, et al. **Ir Med J** 1983 Aug;76(8):340–3
[Epidemiology of sudden infant death (sudden infant death syndrome, SIDS) in the Lübeck area. Catamnestic studies of 155 observed cases from 1971 to 1981] Dittmann V, et al. **Z Rechtsmed** 1983;90(4):277–92 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Prospective assessment of recurrence risk in sudden infant death syndrome siblings. Irgens LM, et al. **J Pediatr** 1984 Mar;104(3):349–51
Unexpected sudden infant deaths in Gosport—some comparisons between service and civilian families. Powell J, et al. **J R Nav Med Serv** 1983 Winter;69(3):141–50
Causes of neonatal mortality [letter] **JAMA** 1984 Oct 12; 252(14):1853–4
Sheffield cot deaths project [letter] Southall DP. **Lancet** 1983 Nov 26;2(8361):1254
Cot death rates New Zealand 1930 and 1981 [letter] Kibblewhite KE. **NZ Med J** 1984 Aug 22;97(762):578
[Sudden infant death] Senecal J, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):401–8 (Eng. Abstr.) **(Fre)**
[Extrahospital death] de León-Sánchez J, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40(8):434–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

'Delayed' sudden infant death syndrome. Molander N, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):273–8
The microscopic distribution of intrathoracic petechiae in sudden infant death syndrome. Krous HF. **Arch Pathol Lab Med** 1984 Jan;108(1):77–9
A necropsy study of distribution of petechiae in non-sudden infant death syndrome. Krous HF, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):75–6
Maximizing the effectiveness of the autopsy in cases of sudden death. Morales AR, et al. **Arch Pathol Lab Med** 1984 Jun;108(6):460–1
Gluconeogenic enzymes in fibroblasts from infants dying of the sudden infant death syndrome (SIDS). Sumbilla CM, et al. **Eur J Pediatr** 1983 Jun–Jul;140(3):276–7
The pathological examination of sudden infant deaths. Cahalane SF, et al. **Ir Med J** 1983 Aug;76(8):344–7
Biochemical and histological assessment of hepatic lipid in sudden infant death syndrome. Cairns SR, et al. **J Clin Pathol** 1983 Oct;36(10):1188–92
Small intestinal mucosal abnormalities in post-perinatal deaths. Variend S, et al. **J Clin Pathol** 1984 Mar;37(3):283–7
Prostacyclin (prostaglandin I2) formation in lung tissues of infants in sudden infant death syndrome (SIDS), non-SIDS and adults. Seto DS, et al. **J Med** 1983;14(5–6):451–9
The activity of 2',3'-cyclic nucleotide 3'-phosphohydrolase in the corpus callosum, subcortical white matter, and spinal cord in infants dying from sudden infant death syndrome. Carey EM, et al. **J Neurochem** 1984 Apr;42(4):924–9
Laryngotracheobronchitis. Tissue marker of a SIDS subgroup. Franciosi RA. **Minn Med** 1983 Oct;66(10):617–8
Sudden infant death syndrome: pathology and pathophysiology. Krous HF. **Pathol Annu** 1984;19 Pt 1:1–14 (62 ref.)
Ultrastructure of carotid bodies in sudden infant death syndrome. Perrin DG, et al. **Pediatrics** 1984 May; 73(5):646–51
[Histomorphology findings in the inner laryngeal muscles in sudden infant death (SIDS)] Weiler G. **Beitr Gerichtl Med** 1984;42:65–70 (Eng. Abstr.) **(Ger)**
[Combined morphologic studies of the infant lung in sudden infant death syndrome] Wessig E, et al. **Beitr Gerichtl Med** 1983;41:23–30 (Eng. Abstr.) **(Ger)**
[Histologic thyroid gland findings in the newborn infant and infant, with special reference to sudden infant death] Risse M, et al. **Z Rechtsmed** 1984;92(3):205–13 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cardiac rhythm, rate and ventricular repolarization properties in infants at risk for sudden infant death syndrome: comparison with age- and sex-matched control infants. Montague TJ, et al. **Am J Cardiol** 1984 Aug 1; 54(3):301–7
Respiratory pauses during sleep in near-miss sudden infant death syndrome. Bazzy AR, et al. **Am Rev Respir Dis** 1983 Dec;128(6):973–6
Home monitoring for infants at risk of the sudden infant death syndrome. Tudehope DI, et al. **Aust Paediatr J** 1984 May; 20(2):137–40
Respiratory frequency during sleep in siblings of sudden infant death syndrome victims. A comparison with control, normal infants. Curzi-Dascalova L, et al.

Early Hum Dev 1983 Oct;8(3–4):235–41

Is autonomic control a factor in some cases of sudden infant death syndrome [letter] Matthews TG. **Lancet** 1984 Mar 31;1(8379):744

Statistical evaluation of the respiratory pattern as a risk factor for the sudden infant death syndrome. Pfeiffer KP, et al. **Methods Inf Med** 1984 Jan;23(1):41–6

What have we learned about sudden infant death? [letter] Hrachovy RA, et al. **N Engl J Med** 1984 Mar 22; 310(12):787–8

Tissue mineral levels in victims of sudden infant death syndrome I. Toxic metals—lead and cadmium. Erickson MM, et al. **Pediatr Res** 1983 Oct;17(10):779–84

Tissue mineral levels in victims of sudden infant death syndrome II. Essential minerals: copper, zinc, calcium, and magnesium. Erickson MM, et al. **Pediatr Res** 1983 Oct; 17(10):784–7

Nocturnal sleep organization in infants 'at risk' for sudden infant death syndrome. Navelet Y, et al. **Pediatr Res** 1984 Jul;18(7):654–7

Five cases of near–miss sudden infant death syndrome and development of obstructive sleep apnea syndrome. Guilleminault C, et al. **Pediatrics** 1984 Jan;73(1):71–8

Cardiorespiratory control in sudden infant death syndrome. Mellins RB, et al. **Prog Clin Biol Res** 1983;136:51–7 (21 ref.)

[CARRES: system for monitoring the cardio–respiratory rhythms and for collecting electrophysiological data from the newborn child to study the sudden infant death syndrome] Bruckert R, et al. **Med Biol Eng Comput** 1983 Sep;21(5):636–43 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

A case of near–miss SIDS developing an abnormal respiratory reaction to hypoxia. Wennergren G, et al. **Acta Paediatr Scand** 1983 Sep;72(5):793–5

Home monitoring for central apnoea. MacKay M, et al. **Arch Dis Child** 1984 Feb;59(2):136–42

Simplified pneumographic monitoring of infants at risk from sudden infant death syndrome. Rahilly PM, et al. **Arch Dis Child** 1984 Apr;59(4):351–5

Family and community factors associated with infant deaths that might be preventable [letter] Southall D. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1469

Infant apnea. An approach to management. Spitzer AR, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):374–80

Home monitoring of the high–risk infant. Brown LW. **Clin Perinatol** 1984 Feb;11(1):85–100 (46 ref.)

Theophylline improves pneumogram abnormalities in infants at risk for sudden infant death syndrome. Hunt CE, et al. **J Pediatr** 1983 Dec;103(6):969–74

Apnea monitoring for newborns at risk of sudden infant death syndrome. **JAMA** 1984 Jan 27;251(4):531

SIDS and apnea monitoring: a parent's view. Silvio KT. **Pediatr Ann** 1984 Mar;13(3):229–30, 234

Psychosocial aspects of infantile apnea and home monitoring. Smith JC. **Pediatr Ann** 1984 Mar;13(3):219–24

The uvula and sudden infant death syndrome [letter] Harpey JP, et al. **Pediatrics** 1984 Aug;74(2):319–20

Protocol for managing SIDS. D'Antonio M. **Penn Med** 1983 May;86(5):34–5

Sudden infant death syndrome (SIDS). Guidelines for averting tragedy. Spitzer AR, et al. **Postgrad Med** 1984 Apr;75(5):125–7, 131–3, 137–8

Home monitoring of infants in West Virginia: a clinician's viewpoint. Myerberg DZ, et al. **W Va Med J** 1983 Nov; 79(11):246–7

Monitoring for the sudden infant death syndrome. Ariagno RL. **West J Med** 1984 Jun;140(6):936–7

[An ancestral method to prevent the sudden infant death syndrome (letter)] Harpey JP. **Arch Fr Pediatr** 1983 Oct; 40(8):672 **(Fre)**

PSYCHOLOGY

Material anxiety following bereavement by cot death and emotional security of subsequent infants. Lewis SN. **Child Psychiatry Hum Dev** 1983 Fall;14(1):55–61

THERAPY

The St. Paul Infant Apnea Program. An approach to the evaluation and treatment of infantile apnea. Coleman JM, et al. **Minn Med** 1984 Apr;67(4):205–7

SUDECK'S ATROPHY

COMPLICATIONS

Muscle spasms associated with Sudeck's atrophy after injury [letter] Jessop J. **Br Med J [Clin Res]** 1984 Feb 25; 288(6417):644

Muscle spasms associated with Sudeck's atrophy after injury. Marsden CD, et al. **Br Med J [Clin Res]** 1984 Jan 21; 288(6412):173–6

ETIOLOGY

[Hormonal treatment of fractures with painful post–traumatic healing disorders in stage II and III of Sudeck's disease] Benz K. **Unfallheilkunde** 1983 Oct;86(10):450–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Localized Sudeck's dystrophy and distal interphalangeal osteoarthritis of a finger: anatomicoradiologic study. Lagier R, et al. **J Hand Surg [Am]** 1984 May;9(3):328–32

Bone tissue in reflex sympathetic dystrophy syndrome—Sudeck's atrophy: structural and ultrastructural studies. Basle MF, et al. **Metab Bone Dis Relat Res** 1983; 4(5):305–11

RADIONUCLIDE IMAGING

[Effects of diphosphonate in Sudeck's disease: scintigraphic aspects] Vattimo A, et al. **Clin Ter** 1983 Jun 30;105(6):493–7 (Eng. Abstr.) **(Ita)**

THERAPY

[Therapeutic axillary anesthesia in Sudeck syndrome] Faluhelyi A, et al. **Orv Hetil** 1983 Aug 7;124(32):1943–5 (Eng. Abstr.) **(Hun)**

SUDOXICAM see under **THIAZINES**

SUFFOCATION see **ASPHYXIA**

SUGAR ACIDS

ANALYSIS

Occurrence of bound muramic acid and alpha, epsilon–diaminopimelic acid in soil and comparison of their contents with bacterial biomass. Durska G, et al. **Acta Microbiol Pol** 1983;32(3):257–63

A method to detect 2–keto–3–deoxyoctanat and related compounds on pherograms and chromatograms. Brade H, et al. **Anal Biochem** 1983 Jul 1;132(1):158–9

Hydrolytic release, and identification by g.l.c.–m.s., of 3–deoxy–D–manno–2–octulosonic acid in the lipopolysaccharides isolated from bacteria of the Vibrionaceae. Banoub JH, et al. **Carbohydr Res** 1983 Nov 11;123(1):117–22

Structure of the 3–deoxy–D–manno–octulosonic acid–(KDO)–containing capsular polysaccharide (K14 antigen) from Escherichia coli 06:K14:H31. Jann B, et al. **Carbohydr Res** 1983 Aug 16;120:131–41

Chemical modification and serological properties of the 3–deoxy–alpha–D–manno–2–octulosonic acid–containing polysaccharide from Escherichia coli LP1092. Jennings HJ, et al. **Carbohydr Res** 1984 Jul 1;129:243–55

Determination of D–glucaric acid by high–performance liquid chromatography. Laakso EI, et al. **J Chromatogr** 1983 Dec 9;278(2):406–11

DIAGNOSTIC USE

Bronchoalveolar lavage and technetium–99m glucoheptonate imaging in chronic eosinophilic pneumonia. Lieske TR, et al. **Chest** 1984 Feb;85(2):282–4

Tc–99m glucoheptonate estimation of glomerular filtration rate. Correlation with endogenous creatinine clearance. Long SE, et al. **Clin Nucl Med** 1984 May;9(5):271–4

Radionuclide imaging of acute bacterial nephritis. Conway JJ. **Contrib Nephrol** 1984;39:28–35

Ruptured abdominal aortic aneurysm identified incidental to bone scintigraphy. Moreno AJ, et al. **Eur J Nucl Med** 1983; 8(12):546–8

Technetium–99m glucoheptonate imaging in lung cancer and benign lung disease: concise communication. Passamonte PM, et al. **J Nucl Med** 1983 Nov;24(11):997–1000

High sensitivity of a computerized radioisotopic method to evaluate unilateral renal blood flow reduction by first pass analysis and static imaging with 99mTc–glucoheptonate. Fommei E, et al. **J Nucl Med Allied Sci** 1983 Oct–Dec; 27(4):303–8

Glucoheptonate measurement of differential renal function. Powers TA, et al. **J Urol** 1984 Jul;132(1):175–8

Instant 99mTc–labelled glucoheptonate kit for kidney imaging. Agha NH, et al. **Nuklearmedizin** 1983 Oct; 22(5):246–50

Urinary tract imaging—filling defect in the urinary bladder. Duong RB, et al. **Semin Nucl Med** 1983 Oct;13(4):383–5

Neck imaging—hypovascularity in the neck on radionuclide angiography. Lin DS. **Semin Nucl Med** 1983 Jul;13(3):303–4

[Comparative evaluation of methods of myocardial scintigraphy using 99mTc–Sn–glucohepatonate and 99mTc–Sn–pyrophosphate in the diagnosis of acute myocardial infarction and unstable stenocardia] Stepanova IP, et al. **Kardiologiia** 1984 Mar;24(3):31–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunologically related ketodeoxyoctonate–containing structures in Chlamydia trachomatis, Re mutants of Salmonella species, and Acinetobacter calcoaceticus var. anitratus. Nurminen M, et al. **Infect Immun** 1984 Jun; 44(3):609–13

ISOLATION & PURIFICATION

Qualitative detection of muramic acid in normal mammalian tissues. Sen Z, et al. **Infect Immun** 1984 Mar;43(3):937–41

Precipitation of calcium gluceptate from aqueous solutions. Suryanarayanan R, et al. **J Pharm Sci** 1984 Jan;73(1):78–82

METABOLISM

Accumulation of galactonate in liver of suckling rats perfused with galactose. Rogers S, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):304–9

PHARMACODYNAMICS

Modulation of feeding by endogenous sugar acids acting as hunger or satiety factors. Shimizu N, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R542–50

Inhibition of 7,12–dimethylbenzanthracene–induced rat mammary tumorigenesis by 2,5–di–O–acetyl–D–glucaro–1,4:6,3–dilactone, an in vivo beta–glucuronidase inhibitor. Walaszek Z, et al. **Carcinogenesis** 1984 Jun;5(6):767–72

URINE

Urinary D–glucaric acid excretion during rifampicin/isoniazid and anticonvulsant enzyme induction. Perry W, et al. **Clin Pharmacol Ther** 1984 May;35(5):710–5

Hepatic enzyme induction patterns and phenothiazine side effects. Wright JH, et al. **Clin Pharmacol Ther** 1983 Oct; 34(4):533–8

Direct determination of D–[U–14C] glucaric acid in urine by ion–exchange high–performance liquid chromatography. Walters DG, et al. **J Chromatogr** 1983 Aug 12;276(1):163–8

[Urinary secretion of D–glucaric acid in subjects exposed to styrene] Loi AM, et al. **Med Lav** 1984 Mar–Apr; 75(2):110–4 (Eng. Abstr.) **(Ita)**

SUGAR ALCOHOL DEHYDROGENASES

Bovine lens aldehyde reductase (aldose reductase). Purification, kinetics and mechanism. Halder AB, et al. **Biochem J** 1984 Apr 1;219(1):33–9

Extensive variations and basic features in the alcohol dehydrogenase–sorbitol dehydrogenase family. Jörnvall H, et al. **Eur J Biochem** 1984 Apr 2;140(1):17–23

Extended superfamily of short alcohol–polyol–sugar dehydrogenases: structural similarities between glucose and ribitol dehydrogenases. Jörnvall H, et al. **FEBS Lett** 1984 Jan 9;165(2):190–6

An unusual conformation of NAD+ bound to sorbitol dehydrogenase? A time–dependent transferred nuclear Overhauser effect study. Gronenborn AM, et al. **J Mol Biol** 1984 Feb 5;172(4):559–72

ANALYSIS

A sensitive kinetic assay for glycerol using bacterial bioluminescence. Lavi JT. **Anal Biochem** 1984 Jun; 139(2):510–5

Localization of aldose reductase in the human eye. Akagi Y, et al. **Diabetes** 1984 Jun;33(6):562–6

Sorbitol dehydrogenase is a zinc enzyme. Jeffery J, et al. **EMBO J** 1984 Feb;3(2):357–60

Acetyl–blocked N–terminal structures of sorbitol and aldehyde dehydrogenases. Fairwell T, et al. **FEBS Lett** 1984 May 21;170(2):281–9

Aldose reductase localization in human retinal mural cells. Akagi Y, et al. **Invest Ophthalmol Vis Sci** 1983 Nov; 24(11):1516–9

[Histochemical determination of sorbitol dehydrogenase in the rat kidney. Indicator histochemical, immunohistochemical and microelectrophoretic studies] Krautschick I, et al. **Acta Histochem [Suppl] (Jena)** 1984; 30:365–8 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Placental aldose reductase inhibition by Silybin (preliminary communication). Santos J, et al. **Acta Med Port** 1984 Apr–May;5(4–5):115–7

Inhibition of aldose reductase from rat nervous tissue by metabolites of cyclandelate. Van den Hoven WE, et al. **Br J Clin Pract [Symp Suppl]** 1984;34:31–3

Hypoglycemic activity of aldose reductase inhibitor, 1–[(p–bromophenyl)sulfonyl]hydantoin. Miwa I, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2030–2

Inhibition of aldose reductase by 3',4'–dihydroxyflavones. Okuda J, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb; 32(2):767–72

Inhibition of aldose reductases from rabbit lens by oxazole derivatives. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1032–9

Glomerular polyol accumulation in diabetes and its prevention by oral sorbinil. Beyer–Mears A, et al. **Diabetes** 1984 Jun;33(6):604–7

Myo–inositol and sorbitol metabolism in relation to peripheral nerve function in experimental diabetes in the rat: the effect of aldose reductase inhibition. Gillon KR, et al. **Diabetologia** 1983 Oct;25(4):365–71

Clinical and neurophysiological studies with the aldose reductase inhibitor, sorbinil, in symptomatic diabetic neuropathy. Lewin IG, et al. **Diabetologia** 1984 Jun; 26(6):445–8

Prevention of defects of axonal transport and nerve conduction velocity by oral administration of myo–inositol or an aldose reductase inhibitor in streptozotocin–diabetic rats. Mayer JH, et al. **Diabetologia** 1983 Nov;25(5):433–8

The effects of long–term treatment of streptozotocin–diabetic

rats with an aldose reductase inhibitor. Poulsom R, et al. **Exp Eye Res** 1983 Nov;37(5):507–15

Diabetic complications in lens and nerve and their prevention by sulindac or sorbinil: two novel aldose reductase inhibitors. Jacobson M, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1426–9

Optical spectroscopy as an in vitro method to monitor aldose reductase inhibitors in the lens. Lerman S, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1505–10

N-[5-(trifluoromethyl)-6-methoxy-1-naphthalenyl]thioxo N-methylglycine (Tolrestat), a potent, orally active aldose reductase inhibitor. Sestanj K, et al. **J Med Chem** 1984 Mar;27(3):255–6

Effects of a new aldose reductase inhibitor on various tissues in vitro. Terashima H, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):226–30

Aldose reductase inhibition for diabetic neuropathy [letter] **Lancet** 1983 Oct 22;2(8356):969

Treatment of severely painful diabetic neuropathy with an aldose reductase inhibitor: relief of pain and improved somatic and autonomic nerve function. Jaspan J, et al. **Lancet** 1983 Oct 1;2(8353):758–62

Prevention of peripheral nerve dysfunction by an aldose reductase inhibitor in streptozotocin-diabetic rats. Kikkawa R, et al. **Metabolism** 1984 Mar;33(3):212–4

Pharmacophor requirements of the aldose reductase inhibitor site. Kador PF, et al. **Mol Pharmacol** 1983 Nov; 24(3):521–31

Human placenta aldose reductase. Forms sensitive and insensitive to inhibition by alrestatin. Maragoudakis ME, et al. **Mol Pharmacol** 1984 May;25(3):425–30

BIOSYNTHESIS

Catabolite repression of inositol dehydrogenase and gluconate kinase syntheses in Bacillus subtilis. Nihashi J, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):88–95

BLOOD

Biochemical characteristics of erythrocyte sorbitol dehydrogenase from selected mammals. Barretto OC, et al. **Comp Biochem Physiol [B]** 1984;77(2):387–9

DEFICIENCY

A rat mutant unable to synthesize vitamin C. Mizushima Y, et al. **Experientia** 1984 Apr 15;40(4):359–61

GENETICS

Linkage analyses and biochemical genetics of sorbitol dehydrogenase-1 (Sdh-1) in the mouse. Andrews SJ, et al. **Biochem Genet** 1983 Aug;21(7–8):809–17

Selection of Escherichia coli K12 1EA mutants with increased synthesis of ribitol dehydrogenase. Kyslík P, et al. **Folia Microbiol (Praha)** 1984;29(1):1–7

Linkage associations in hybridized Salvelinus genomes. The duplicate loci encoding pepidase-D and glucosephosphate isomerase and the unduplicated sorbitol dehydrogenase locus. Hollister A, et al. **J Hered** 1984 Jul-Aug;75(4):253–9

ISOLATION & PURIFICATION

Purification and some properties of aldose reductase from rabbit lens. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2395–403

Sorbitol dehydrogenase. The primary structure of the sheep-liver enzyme. Jeffery J, et al. **Eur J Biochem** 1984 Apr 2;140(1):7–16

[Isolation and characterization of glycerol dehydrogenase from bacillus megaterium] Scharschmidt M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):911–21 (Eng. Abstr.) **(Ger)**

METABOLISM

NIH conference. Aldose reductase and complications of diabetes. Cogan DG, et al. **Ann Intern Med** 1984 Jul; 101(1):82–91 (36 ref.)

Purification and properties of myo-inositol-1-phosphate dehydrogenase from germinating mung bean seeds. Ghosh B, et al. **Arch Biochem Biophys** 1984 Jan;228(1):309–19

Aldose and aldehyde reductases in human tissues. Srivastava SK, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):220–7

Influence of abdominal temperature and luminal contents on the cauda epididymidis of the rat. Warner CW, et al. **Biol Reprod** 1983 Nov;29(4):1011–7

Characterization of aldose reductases Ia and Ib from rabbit lens. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1025–31

Ontogenetic development of L-gulonolactone oxidase activity in several vertebrates. Jenness R, et al. **Comp Biochem Physiol [B]** 1984;78(1):167–73

Rat lens aldose reductase: rapid purification and comparison with human placental aldose reductase. Herrmann RK, et al. **Exp Eye Res** 1983 Nov;37(5):467–74

Microcomputer analysis of hyperbolic and non-hyperbolic steady-state kinetics. Crabbe MJ. **Int J Biomed Comput** 1984 Jul-Aug;15(4):303–10

Glycerol oxidase, a novel copper hemoprotein from Aspergillus japonicus. Molecular and catalytic properties of the enzyme and its application to the analysis of serum triglycerides. Uwajima T, et al. **J Biol Chem** 1984 Mar 10;259(5):2748–53

Alcohol and polyol dehydrogenases. Jörnvall H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:67–71

Interaction of cytoplasmic dehydrogenases: quantitation of pathways of ethanol metabolism. Vind C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:209–13

Effect of some alcohols on sorbitol dehydrogenase. Firenzuoli AM, et al. **Physiol Chem Phys** 1982;14(6):581–3

[Multiplicity of DL-glyceraldehyde reductase activity in rabbit lens] Tanimoto T, et al. **Yakugaku Zasshi** 1984 Jan; 104(1):62–7 (Eng. Abstr.) **(Jpn)**

SUGAR ALCOHOL OXIDOREDUCTASES see **SUGAR ALCOHOL DEHYDROGENASES**

SUGAR ALCOHOLS

ADMINISTRATION & DOSAGE

[Use of 1,2:5,6-dianhydrogalactitol in combination with maytansine in experimental tumor therapy] Fan YJ, et al. **Yao Hsueh Hsueh Pao** 1983 Sep;18(9):648–53 (Eng. Abstr.) **(Chi)**

ANALYSIS

Gas chromatographic/mass spectrometric evidence for the identification of a heptitol and an octitol in human and Octodon degu eye lenses. Barker SA, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):988–93

Gas chromatographic—mass spectrometric analysis of polyols in urine and serum of uremic patients. Identification of new deoxyalditols and inositol isomers. Niwa T, et al. **J Chromatogr** 1983 Oct 14;277:25–39

Stable isotope dilution analysis of galactitol in amniotic fluid: an accurate approach to the prenatal diagnosis of galactosemia. Jakobs C, et al. **Pediatr Res** 1984 Aug; 18(8):714–8

BLOOD

Comparison of serum mannan, arabinitol, and mannose in experimental disseminated candidiasis. de Repentigny L, et al. **J Clin Microbiol** 1984 Jun;19(6):804–12

Elevated serum D-arabinitol levels in patients with sarcoidosis. Karam GH, et al. **J Clin Microbiol** 1984 Jan; 19(1):26–9

Evaluation of serum arabinitol as a diagnostic test for candidiasis. Wells CL, et al. **J Clin Microbiol** 1983 Aug; 18(2):353–7

CHEMICAL SYNTHESIS

Synthesis of N-(1-deoxyhexitol-1-yl)amino acids, reference compounds for the nonenzymic glycosylation of proteins. Walton DJ, et al. **Carbohydr Res** 1984 May 15;128(1):37–49

ISOLATION & PURIFICATION

A method of purification of partially methylated alditol acetates in the methylation analysis of glycoproteins and glycopeptides. Lowe ME, et al. **Anal Biochem** 1984 Jan; 136(1):187–91

METABOLISM

Digestion of maltitol in man, rat, and rabbit. Zunft HJ, et al. **Ann Nutr Metab** 1983;27(6):470–6

Nutritional significance of fructose and sugar alcohols. Wang YM, et al. **Annu Rev Nutr** 1981;1:437–75 (216 ref.)

Polyol pathway activity and myo-inositol metabolism. A suggested relationship in the pathogenesis of diabetic neuropathy. Finegold D, et al. **Diabetes** 1983 Nov; 32(11):988–92

Direct measurement of polyol pathway activity in the ocular lens. González RG, et al. **Diabetes** 1984 Feb;33(2):196–9

Comparative study of isomalt and sucrose by means of continuous indirect calorimetry. Thiébaud D, et al. **Metabolism** 1984 Sep;33(9):808–13

Bioavailability of glucose from Palatinit. Ziesenitz SC. **Z Ernahrungswiss** 1983 Sep;22(3):185–94

[Palatinit—digestibility and energy utilization in model experiments with sows] Kirchgessner M, et al. **Z Ernahrungswiss** 1983 Dec;22(4):234–40 (Eng. Abstr.) **(Ger)**

[Use of molybdenum media with glycerin and admixtures of unassimilated polyols for differentiating actinomycetes] Potekhina LI. **Mikrobiologiia** 1983 Sep-Oct;52(5):794–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of an irradiated Escherichia coli endotoxin reparation on the sensitivity to a lymphotropic cytostatic agent in germfree and conventional mice. Anderlik P, et al. **Acta Microbiol Hung** 1983;30(3–4):239–45

Effect of Bordetella pertussis vaccine on the sensitivity to a lymphotropic cytostatic agent in germfree mice. Anderlik P, et al. **Acta Microbiol Hung** 1983;30(1):31–5

Nutritional studies on maltitol. Part 1: Acceptability, energetic yield, effects on growth and blood biochemical parameters. Maranesi M, et al. **Acta Vitaminol Enzymol** 1984;6(1):3–9

Nutritional studies on maltitol. Part 2: Effect on lipid metabolism and fatty acid composition of different rat tissues. Maranesi M, et al. **Acta Vitaminol Enzymol** 1984; 6(1):11–5

Heat injury in Staphylococcus aureus 196E: protection by metabolizable and non-metabolizable sugars and polyols. Smith JL, et al. **Appl Environ Microbiol** 1983 Dec; 46(6):1417–9

Effect of a single high dose and repeated small doses of dianhydrogalactitol (DAG; NSC-132313) on rat intestinal mucosa. Kralovánszky J, et al. **Cancer Chemother Pharmacol** 1983;11(3):167–71

Potential cariogenicity of Lycasin 80/55 in comparison to starch, sucrose, xylitol, sorbitol and L-sorbose in rats. Havenaar R, et al. **Caries Res** 1984;18(4):375–84

In vitro cellular characteristics and survival responses of human astrocytoma clones to chloroethyl-nitrosoureas and dianhydrogalactitol. Rubin NH, et al. **Invest New Drugs** 1983;1(2):129–37

Secretory activity of salivary gland slices in the presence of polyols. Mäkinen KK, et al. **Proc Finn Dent Soc** 1983; 79(5–6):218–23

[Changes in scintigraphically determined regional blood volume in coronary patients treated with the new substance teopranitol] Engberding R, et al. **Z Kardiol** 1984 Jun; 73(6):370–3 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

In vivo synchronization and cell kinetics-directed treatment scheduled in human tumor therapy. Barranco SC, et al. **Prog Clin Biol Res** 1983;132C:163–70

TOXICITY

Bacterial reversion assay and micronucleus test carried out on hydrogenated glucose syrups 'Malti-Towa' (powder) and maltitol crystal. Takizawa Y, et al. **Mutat Res** 1984 Aug-Sep;137(2–3):133–7

SUGAR PHOSPHATES

Sucrose phosphate glutamate for combined transport of chlamydial and viral specimens. Warford AL, et al. **Am J Clin Pathol** 1984 Jun;81(6):762–4

A 13C-n.m.r. study of intermediates in the L-type pentose phosphate cycle. Franke FP, et al. **Carbohydr Res** 1984 Feb 15;125(2):177–84

ITP nomenclature [letter] Michell RH. **Nature** 1984 Jan 12–18;307(5947):116

ANALYSIS

Agrocinopine A, a tumor-inducing plasmid-coded enzyme product, is a phosphodiester of sucrose and L-arabinose. Ryder MH, et al. **J Biol Chem** 1984 Aug 10;259(15):9704–10

BIOSYNTHESIS

Inositol trisphosphate formation and calcium mobilization in Swiss 3T3 cells in response to platelet-derived growth factor. Berridge MJ, et al. **Biochem J** 1984 Aug 15; 222(1):195–201

Thyrotropin-releasing hormone stimulates inositol phosphate production in normal anterior pituitary cells and GH3 tumour cells in the presence of lithium. Baird JG, et al. **Biosci Rep** 1983 Dec;3(12):1091–9

METABOLISM

Stimulation of phosphoinositide breakdown in rat pancreatic islets by glucose and carbamylcholine. Best L, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):9–16

Inositol trisphosphate and diacylglycerol as second messengers. Berridge MJ. **Biochem J** 1984 Jun 1; 220(2):345–60 (209 ref.)

Rapid accumulation of inositol phosphates in isolated rat superior cervical sympathetic ganglia exposed to V1-vasopressin and muscarinic cholinergic stimuli. Bone EA, et al. **Biochem J** 1984 Aug 1;221(3):803–11

Secretagogue-induced formation of inositol phosphates in rat exocrine pancreas. Implications for a messenger role for inositol trisphosphate. Rubin RP, et al. **Biochem J** 1984 Apr 15;219(2):655–9

Estrogen-induced changes in high-energy phosphate metabolism in rat uterus: 31P NMR studies. Degani H, et al. **Biochemistry** 1984 Jun 5;23(12):2572–7

Enzymatic isomerization and epimerization of D-erythrose 4-phosphate and its quantitative analysis by gas chromatography/mass spectrometry. Ohashi K, et al. **Eur J Biochem** 1984 Jul 16;142(2):347–53

Intracellular compartmentation of isozymes of sugar phosphate metabolism in green leaves. Schnarrenberger C, et al. **Isozymes Curr Top Biol Med Res** 1983;8:23–51

Rapid turnover of mannitol-1-phosphate in Escherichia coli. Rosenberg H, et al. **J Bacteriol** 1984 Apr;158(1):63–8

Relationship between inositol polyphosphate production and the increase of cytosolic free Ca2+ induced by vasopressin in isolated hepatocytes. Thomas AP, et al. **J Biol Chem** 1984 May 10;259(9):5574–84

Metabolism of inositol phosphates in parotid cells: implications for the pathway of the phosphoinositide effect and for the possible messenger role of inositol trisphosphate. Aub DL, et al. **Life Sci** 1984 Apr 2; 34(14):1347–55

myo-Inositol polyphosphates and their role in cellular metabolism. A proposed cycle involving glucose-6-phosphate and myo-inositol phosphates. Biswas BB, et al. **Subcell Biochem** 1984;10:237–80 (147 ref.)

[Do non-equilibrium reactions in the glucose-to-triose

phosphate pathway exist in the liver?] Kaminskiĭ IuG. **Biokhimiia** 1983 Jul;48(7):1080–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inositol 1,4,5–trisphosphate releases Ca2+ from intracellular store sites in skinned single cells of porcine coronary artery. Suematsu E, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):481–5

Specificity of inositol trisphosphate–induced calcium release from permeabilized Swiss–mouse 3T3 cells. Irvine RF, et al. **Biochem J** 1984 Aug 15;222(1):269–72

Inhibition of rabbit liver arylsulfatase B by phosphate esters. Rao GJ, et al. **Biochim Biophys Acta** 1984 Jul 17; 788(1):58–61

Inositol trisphosphate mediates thyrotropin–releasing hormone mobilization of nonmitochondrial calcium in rat mammotropic pituitary cells. Gershengorn MC, et al. **J Biol Chem** 1984 Sep 10;259(17):10675–81

2–(4–Bromoacetamido)anilino–2–deoxypentitol 1,5–bisphosphate, a new affinity label for ribulose bisphosphate carboxylase/oxygenase from Rhodospirillum rubrum. Determination of reaction parameters and characterization of an active site peptide. Herndon CS, et al. **J Biol Chem** 1984 Mar 10;259(5):3102–10

myo–Inositol 1,4,5–trisphosphate. A second messenger for the hormonal mobilization of intracellular Ca2+ in liver. Joseph SK, et al. **J Biol Chem** 1984 Mar 10;259(5):3077–81

Effect of sucrose phosphate and sorbitol on infectivity of enveloped viruses during storage. Howell CL, et al. **J Clin Microbiol** 1983 Sep;18(3):658–62

The second messenger linking receptor activation to internal Ca release in liver. Burgess GM, et al. **Nature** 1984 May 3–9;309(5963):63–6

Rapid mobilization of Ca2+ from rat insulinoma microsomes by inositol–1,4,5–trisphosphate. Prentki M, et al. **Nature** 1984 Jun 7–13;309(5968):562–4

Release of Ca2+ from a nonmitochondrial intracellular store in pancreatic acinar cells by inositol–1,4,5–trisphosphate. Streb H, et al. **Nature** 1983 Nov 3–9;306(5938):67–9

PHYSIOLOGY

Inositol (1,4,5)trisphosphate–promoted Ca2+ release from microsomal fractions of rat liver. Dawson AP, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):858–64

myo–Inositol polyphosphate may be a messenger for visual excitation in Limulus photoreceptors. Brown JE, et al. **Nature** 1984 Sep 13–19;311(5982):160–3

Photoreceptor excitation and adaptation by inositol 1,4,5–trisphosphate. Fein A, et al. **Nature** 1984 Sep 13–19; 311(5982):157–60

Inositol trisphosphate: link or liability? [news] Hesketh R. **Nature** 1983 Nov 3–9;306(5938):16–7

SUGARS see **CARBOHYDRATES**

SUGGESTION

see related

AUTOGENIC TRAINING

Hysterical dystonia successfully treated with post–hypnotic suggestion. Treneerry MR, et al. **Am J Clin Hypn** 1983 Jul; 26(1):42–4

A comparative analysis of direct and indirect hypnotic communication styles. Yapko MD. **Am J Clin Hypn** 1983 Apr;25(4):270–6

Asthma induced by suggestion: is it due to airway cooling? Lewis RA, et al. **Am Rev Respir Dis** 1984 May;129(5):691–5

On the centenary of Charcot: hysteria, suggestibility and hypnosis. Chertok L. **Br J Med Psychol** 1984 Jun;57 (Pt 2):111–20

Suggestion and suicide by plastic bag asphyxia [letter] Church IC, et al. **Br J Psychiatry** 1984 Jan;144:100–1

Koro epidemic in Assam [letter] Dutta D. **Br J Psychiatry** 1983 Sep;143:309–10

Spontaneous recovery of memory during posthypnotic amnesia. Kihlstrom JF, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):309–23

Hypnosis and the experience of nonvolition. Lynn SJ, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):293–308

Suggested improvement, music, and the visual acuity of myopes: a reply. Smith HV, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):241–2

Suggested improvement of visual acuity: a statistical reevaluation. Wagstaff GF. **Int J Clin Exp Hypn** 1983 Oct; 31(4):239–40

Suggestion and distraction in the control of pain: test of two hypotheses. Farthing GW, et al. **J Abnorm Psychol** 1984 Aug;93(3):266–76

Effects of suggestion and distraction on reported pain in subjects high and low on hypnotic susceptibility. Spanos NP, et al. **J Abnorm Psychol** 1984 Aug;93(3):277–84

Instructional demands and ratings of overt and hidden pain during hypnotic analgesia. Spanos NP, et al. **J Abnorm Psychol** 1983 Nov;92(4):479–88

The relationship between criminal conviction and interrogative suggestibility among delinquent boys. Gudjonsson GH, et al. **J Adolesc** 1984 Mar;7(1):29–34

Hypnosis and suggestion in a century of psychotherapy: an epistemological assessment. Chertok L. **J Am Acad Psychoanal** 1984 Apr;12(2):211–32

A comparison of self–devaluation and somatic suggestion content in depressive mood manipulation. Small A, et al. **J Clin Psychol** 1983 Sep;39(5):709–11

Interrogative suggestibility and its relationship with self–esteem and control. Gudjonsson GH, et al. **J Forensic Sci Soc** 1984 Mar–Apr;24(2):99–110

The influence of two different sets of information and suggestions on the subjective effects of relaxation. Borgeat F, et al. **J Human Stress** 1983 Sep;9(3):40–5

Suffering for science: the effects of implicit social demands on response to experimentally induced pain. Spanos NP, et al. **J Pers Soc Psychol** 1984 May;46(5):1162–72

Influence of sensory suggestibility on treatment outcome in headache patients. Classen W, et al. **Neuropsychobiology** 1983;10(1):44–7

The cough and the bedsheet. Cohlan SQ, et al. **Pediatrics** 1984 Jul;74(1):11–5

Interrogative suggestibility and perceptual motor performance. Gudjonsson GH. **Percept Mot Skills** 1984 Apr;58(2):671–2

Magnitude estimates of cold pressor pain: effects of suggestions, cognitive strategy, and tolerance. Spanos NP, et al. **Perception** 1983;12(3):355–62

Spontaneous self–hypnosis in multiple personality disorder. Bliss EL. **Psychiatr Clin North Am** 1984 Mar;7(1):135–48

Effects of suggestibility on learning by retarded and nonretarded students. Shuck AU, et al. **Psychol Rep** 1984 Apr;54(2):663–6

The Carleton University responsiveness to suggest ion scale: stability,reliability, and relationships with expectancy and 'hypnotic experiences'. Spanos NP, et al. **Psychol Rep** 1983 Oct;53(2):555–63

The Carleton University responsiveness to suggestion scale: normative data and psychometric properties. Spanos NP, et al. **Psychol Rep** 1983 Oct;53(2):523–35

The Carleton University Responsiveness to Suggestion Scale: relationship with other measures of hypnotic susceptibility, expectancies, and absorption. Spanos NP, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):723–34

[Examples of the use of relaxation and suggestion in our hospital experience in cardiology] Ostermann G. **Actual Odontostomatol (Paris)** 1983 Dec;144:845–51 **(Fre)**

[Psychotherapy and balneotherapy in the treatment of children with neurodermatitis in a specialized health resort pioneer camp] Sivak VP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):63–4 **(Rus)**

[Psychopharmacological agents in combination with psychotherapy in treatment of patients with neuroses] Izovit NF. **Vrach Delo** 1983 Jun;(6):100–2 (Eng. Abstr.) **(Rus)**

SUICIDE

CSF monoamine metabolites, depression, and suicide. Asberg M, et al. **Adv Biochem Psychopharmacol** 1984;39:87–97 (37 ref.)

Confusing wounds of entrance and exit with an unusual weapon. Clark MA, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):75–8

Suicide by three shots with different muzzle to target distances [letter] Hanzlick RL, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):95

Postmortem blood concentrations of parent tricyclic antidepressant (TCA) drugs in 11 cases of suicide. Hanzlick RL. **Am J Forensic Med Pathol** 1984 Mar;5(1):11–3

Rapid death by mevinphos poisoning while under observation. Lokan R, et al. **Forensic Sci Int** 1983 Aug–Sep; 22(2–3):179–82

Neck markings and fractures in suicidal hangings. Paparo GP, et al. **Forensic Sci Int** 1984 Jan;24(1):27–35

Case report—zomepirac suicide. Backer RC, et al. **J Anal Toxicol** 1983 Sep–Oct;7(5):223–4

Adolescent suicide. Stern HP. **J Arkansas Med Soc** 1984 Jul; 81(2):120–2

Risk of suicide in the relatives of schizophrenics, manics, depressives, and controls. Tsuang MT. **J Clin Psychiatry** 1983 Nov;44(11):396–7, 398–400

Suicide reconstruction by glue–lift of gunshot residue. Basu S, et al. **J Forensic Sci** 1984 Jul;29(3):843–64

The acetaminophen experience in south Florida. Thomas GE, et al. **J Forensic Sci** 1983 Oct;28(4):977–84

Stud guns revisited: report of a suicide and literature review. Weedn VW, et al. **J Forensic Sci** 1984 Apr;29(2):670–8

Brain 5–HT–2 receptors and suicide [letter] Owen F, et al. **Lancet** 1983 Nov 26;2(8361):1256

Serotonin receptors in suicide victims [letter] Reynolds GP. **Lancet** 1983 Oct 22;2(8356):977

Suicide and serotonin receptors [letter] Stanley M, et al. **Lancet** 1984 Feb 11;1(8372):349

CSF 5–HIAA and suicide in non–depressed schizophrenics [letter] van Praag HM. **Lancet** 1983 Oct 22;2(8356):977–8

Deaths from drugs and poisons. Cairns FJ, et al. **NZ Med J** 1983 Dec 28;96(746):1045–8

Self–injury: toward a biological basis. Jones IH. **Perspect Biol Med** 1982 Autumn;26(1):137–50 (43 ref.)

Voluntary exit: is there a case for rational suicide?—a panel discussion. Childress JF, et al. **Pharos** 1982 Fall;45(4):25–31

Voluntary euthanasia and suicide. Karunakaran K. **Singapore Med J** 1983 Aug;24(4):241–2

Suicide: bad act or good intervention. Clements CD, et al. **Suicide Life Threat Behav** 1983 Spring;13(1):28–41

Public health and cost implications of suicide, homicide, and criminal violence. Houk VW. **Tex Med** 1983 Sep;79(9):6–7

The troubled teen: suicide, drug use, and running away. Sommer B. **Women Health** 1984 Summer–Fall; 9(2–3):117–41

[Deliberate poisoning with paraquat, death in less than 24 hours] Barale F, et al. **Toxicol Eur Res** 1983 May;5(3):123–6 (Eng. Abstr.) **(Fre)**

[Microradiographic findings in death by hanging] Böhm E, et al. **Beitr Gerichtl Med** 1983;41:465–73 (Eng. Abstr.) **(Ger)**

[Possibility of injury in the chest area due to air–pressure weapons – reconstruction of a questionable suicide] Schellmann B, et al. **Beitr Gerichtl Med** 1983;41:75–9 (Eng. Abstr.) **(Ger)**

[Fatal E 605 poisoning following intravenous administration] Lemke R, et al. **Z Rechtsmed** 1984;92(2):145–7 (Eng. Abstr.) **(Ger)**

[Emergencies in general medicine (60). Suicide] Hesse–Turner D, et al. **ZFA (Stuttgart)** 1983 Jul 31; 59(21):1184–5 **(Ger)**

[Are there any biological factors involved in suicidal tendencies?] Bánki MC. **Orv Hetil** 1983 Dec 11; 124(50):3045–52 (Eng. Abstr.) **(Hun)**

HISTORY

The case of Emmett–Dunne. A personal reminiscence. Emson HE. **Am J Forensic Med Pathol** 1983 Sep;4(3):255–8

Discussion of 'George Armstrong Custer and the Battle of the Little Bighorn: homicide or mass suicide' [letter] Rowe WF. **J Forensic Sci** 1984 Jul;29(3):696–9

George Armstrong Custer and the Battle of the Little Bighorn: homicide or mass suicide? Spencer JD. **J Forensic Sci** 1983 Jul;28(3):756–61

Suicide: madness or the noble Roman way? Hudson RP. **Pharos** 1982 Fall;45(4):14–7

The legacy of Emile Durkheim. Selkin J. **Suicide Life Threat Behav** 1983 Spring;13(1):3–14

[The work of Stevan Koturović and Bogoljub Jovanović on suicides in Serbia from 1845 to 1898 and from 1898 to 1907] Purić J, et al. **Srp Arh Celok Lek** 1983 Apr;111(4):513–9 (Eng. Abstr.) **(Ser)**

LEGISLATION & JURISPRUDENCE

Aiding and abetting suicide. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):443

Psychiatric liability in patient–suicide. Lielbriedis P. **Med Law** 1984;3(3):225–30

Suicide: rights and rationality. Maris RW. **Suicide Life Threat Behav** 1983 Winter;13(4):223–30

[Suicides and attempted suicides in relation to the delivery of medical care: study of legal prosecutions in Quebec between 1968 and 1977] Deschamps P. **Can J Psychiatry** 1983 Oct;28(6):475–83 (Eng. Abstr.) **(Fre)**

[An unusual suicide—self explosion in the automobile] Mojzes L, et al. **Arch Kriminol** 1983 Jul–Aug;172(1–2):21–8 **(Ger)**

[Suicide by cutting the radial artery of the wrist. Report of 2 cases] Sigrist T, et al. **Z Rechtsmed** 1983;91(2):159–64 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Suicide in a northern town of Sri Lanka. Ganesvaran T, et al. **Acta Psychiatr Scand** 1984 May;69(5):420–5

More analysis of Eli Robins' suicide data [letter] Carlson GA. **Am J Psychiatry** 1984 Feb;141(2):323

Which patients commit suicide? [letter] Nathan RG, et al. **Am J Psychiatry** 1984 Aug;141(8):1017

Firearms and suicide in the United States. Markush RE, et al. **Am J Public Health** 1984 Feb;74(2):123–7

An analysis of the effects of suicide prevention facilities on suicide rates in the United States. Miller HL, et al. **Am J Public Health** 1984 Apr;74(4):340–3

Political business cycles, presidential elections, and suicide and mortality patterns. Wasserman IM. **Am Sociol Rev** 1983 Oct;48(5):711–20

Suicides amongst anaesthetists–in–training [letter] **Anaesthesia** 1984 Jun;39(6):613–5

Suicide in alcoholism. A prospective study of 88 suicides: I. The multidimensional diagnosis at first admission. Berglund M. **Arch Gen Psychiatry** 1984 Sep;41(9):888–91

Adolescent suicide. Meares R, et al. **Aust Fam Physician** 1983 Aug;12(8):614–6

A comparison of Australian suicide rates in 1969–73 and 1976–80. Dorsch MM, et al. **Aust NZ J Psychiatry** 1983 Sep;17(3):254–7

Monthly variation of suicidal and accidental poisoning deaths [letter] Lester D. **Br J Psychiatry** 1983 Aug;143:204–5

Trends in suicide rate for England and Wales 1975–80. McClure GM. **Br J Psychiatry** 1984 Feb;144:119–26

Recent trends in suicide amongst the young. McClure GM. **Br J Psychiatry** 1984 Feb;144:134–8

Epidemiologic characteristics of suicide in the city of Toronto. Elinson L, et al. **Can J Public Health** 1983 Nov–Dec;74(6):422–7

Socioeconomic ramifications of changing cohort size: an analysis of U.S. postwar suicide rates by age and sex. Ahlburg DA, et al. **Demography** 1984 Feb;21(1):97–108

Geriatric suicide: the Arizona study. Miller M. **Gerontologist** 1978 Oct;18(5 Pt 1):488–95

A study of medico-legal deaths in a rural area of Pondicherry (South India). Ramachandran V. **Indian J Public Health** 1982 Oct-Dec;26(4):229-33

A statistical investigation into the relationship between meteorological parameters and suicide. Dixon KW, et al. **Int J Biometeorol** 1983 Jul;27(2):93-105

The rise of suicide mortality in Belgium between 1968-72 and 1978-81: age, sex and geographical characteristics. Moens GF. **Int J Epidemiol** 1984 Jun;13(2):243-5

Suicide methods in British Columbian adolescents. Tonkin RS. **J Adolesc Health Care** 1984 Jul;5(3):172-7

Suicide statistics of dentists in Iowa, 1968 to 1980. Simpson R, et al. **J Am Dent Assoc** 1983 Sep;107(3):441-3

Comparison of male and female suicides in a defined community. Bourque LB, et al. **J Community Health** 1983 Fall;9(1):7-17

Suicide, unemployment, and domestic gas detoxification in Britain. Kreitman N, et al.
J Epidemiol Community Health 1984 Mar;38(1):1-6

Relation of the Fliess-Swoboda Biorhythm Theory to suicide occurrence. D'Andrea VJ, et al. **J Nerv Ment Dis** 1984 Aug;172(8):490-4

Causes of death among registered nurses. Katz RM.
J Occup Med 1983 Oct;25(10):760-2

Death and injury patterns, Toronto Subway System 1954-1980. Johnston DW, et al. **J Trauma** 1984 Jul; 24(7):619-22

Leads from the MMWR. Violent deaths among persons 15 to 24 years of age—United States. **JAMA** 1983 Dec 16; 250(23):3147-8

Is suicide a special occupational hazard for physicians? [letter] de la Monte SM, et al. **JAMA** 1984 Apr 20;251(15):1952-3

Subsequent deaths after attempted suicide by drug overdose in the western region of Adelaide, 1976. Rosenman SJ. **Med J Aust** 1983 Nov 12;2(10):496-9

Suicide by firearms [letter] **N Engl J Med** 1984 Jan 5; 310(1):46-9

Unemployment and the suicide rate. Filby RG, et al.
Ohio State Med J 1983 Nov;79(11):837-9, 848

The epidemiology of suicide in adolescents. Eisenberg L. **Pediatr Ann** 1984 Jan;13(1):47-54

The epidemiology of abnormal homicide and murder followed by suicide. Coid J. **Psychol Med** 1983 Nov; 13(4):855-60

Suicide in Communist Europe. Lester D. **Psychol Rep** 1984 Apr;54(2):628

The 1990 objectives for the nation for control of stress and violent behavior: progress report. Silver BJ, et al.
Public Health Rep 1984 Jul-Aug;99(4):374-84

Unemployment and suicidal behaviour: a review of the literature. Platt S. **Soc Sci Med** 1984;19(2):93-115 (156 ref.)

Attributes of suicide in females. Bourque LB, et al.
Suicide Life Threat Behav 1983 Summer;13(2):123-38

The national incidence of juvenile suicide in adult jails and juvenile detention centers. Flaherty MG.
Suicide Life Threat Behav 1983 Summer;13(2):85-94

Suicide among older people: projections for the future. Haas AP, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):147-54

On precipitating factors: cancer as a cause of suicide. Marshall JR, et al. **Suicide Life Threat Behav** 1983 Spring; 13(1):15-27

Death in the West—a regional analysis of the youthful suicide rate. Seiden RH. **West J Med** 1984 Jun;140(6):969-73

Validity and reliability of trends in suicide statistics. Sainsbury P. **World Health Stat Q** 1983;36(3-4):339-48 **(Eng, Fre)**

[Suicides in psychiatric hospital departments] Barner-Rasmussen P. **Ugeskr Laeger** 1984 Jan 23; 146(4):302-3 **(Dan)**

[Rising trend in suicides in Belgium 1955-1980] Beckers R, et al. **Arch Belg** 1983;41(9-10):394-411 (Eng. Abstr.) **(Dut)**

[The Risk-Rescue Scale and evaluation of suicidal persons] Depauw Y, et al. **Acta Psychiatr Belg** 1983;83(6):549-57 (Eng. Abstr.) **(Fre)**

[Epidemiology of suicide in Upper Austria] Schöny W, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):301-5 (Eng. Abstr.) **(Ger)**

[Statistical studies on suicides inspected by the Hyogo Medical Examiner's Office during the years from 1971 to 1980] Ijiri I, et al. **Nippon Hoigaku Zasshi** 1983 Dec; 37(6):854-62 (Eng. Abstr.) **(Jpn)**

[Suicide studied from forensic autopsy material. Experiences from a 10-year case material from Hordaland and Bergen] Thoresen SO. **Tidsskr Nor Laegeforen** 1984 Jun 10; 104(16):1126-7 (Eng. Abstr.) **(Nor)**

[Suicide in the Province of Cordoba] Mercado LC, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(1):47-50 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Mortality among persons with depressive symptoms and among responders and non-responders in a health check-up. An investigation of persons born in 1905 and followed up from age 66 to 75. Enzell K.
Acta Psychiatr Scand 1984 Feb;69(2):89-102

The prevention of suicidal acts in high-risk patients. Montgomery SA, et al. **Adv Biochem Psychopharmacol** 1984;39:315-7

Firearms, legislation, and suicide prevention [editorial] Westermeyer J. **Am J Public Health** 1984 Feb;74(2):108

Suicide prevention [letter] Batty HP. **Can Med Assoc J** 1983 Nov 15;129(10):1078

Black suicide attempters in 1980: a preventive focus. Baker FM. **Gen Hosp Psychiatry** 1984 Apr;6(2):131-7

When suicide prevention becomes brutality: the case of Elizabeth Bouvia. Annas GJ. **Hastings Cent Rep** 1984 Apr; 14(2):20-1, 46

The suicidal patient: clinical and legal issues. Feinsilver DL. **Hosp Pract** 1983 Oct;18(10):48E-48F, 48J-48L

Suicide in the elderly: the limits of paternalism. Bromberg S, et al. **J Am Geriatr Soc** 1983 Nov;31(11):698-703

Listen to your patients . . . please! Shnider HA.
J Am Optom Assoc 1984 Jan;55(1):59-60

Recognizing and helping the suicidal patient in chiropractic practice. Josefowitz N, et al.
J Manipulative Physiol Ther 1983 Jun;6(2):71-5

Physicians at risk. Some epidemiologic considerations of alcoholism, drug abuse, and suicide. Keeve JP.
J Occup Med 1984 Jul;26(7):503-8

Sign-out rounds. Post JM, et al.
J Psychosoc Nurs Ment Health Serv 1983 Sep;21(9):11-7

Depression, violent suicide tied to low metabolite level [news] Ziporyn T. **JAMA** 1983 Dec 16;250(23):3141-2

Suicide prevention: an attempt to stop the inevitable? [editorial] **Lancet** 1984 Jun 30;1(8392):1447-8

Suicide most dramatic symptom of physician impairment. Sargent D. **Mich Med** 1983 May;82(24):286-8

The suicide watch: a re-examination of maximum observation. Blythe MM, et al. **Perspect Psychiatr Care** 1983 Jul-Sep;21(3):90-3

Comparison of master's and doctoral level psychologists in recognizing signs of potential suicide. Holmes CB, et al. **Psychol Rep** 1983 Oct;53(2):516-8

Coercive suicide prevention: a libertarian perspective. Sartorius R. **Suicide Life Threat Behav** 1983 Winter; 13(4):293-303

[Psychiatric treatment and suicide. Can psychiatric treatment prevent patient suicide?] Finzen A. **Psychiatr Prax** 1984 Jan;11(1):1-5 (Eng. Abstr.) **(Ger)**

[Therapeutic concept of inpatient crisis intervention] Fürmaier AM. **Psychother Psychosom Med Psychol** 1984 Mar-Apr;34(3-4):70-5 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Postmortem monoamine oxidase enzyme kinetics in the frontal cortex of suicide victims and controls. Mann JJ, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):135-9

A case of suicidal ligature strangulation. Frazer M, et al. **Am J Forensic Med Pathol** 1983 Dec;4(4):351-4

Suicide: two views.'A compassionate solution.' Abercrombie RK. **Am J Nurs** 1984 May;84(5):597-8

Suicide: two views. A chilling encounter. Thielemann P.
Am J Nurs 1984 May;84(5):597-8

Characterization of schizophrenic patients who commit suicide. Breier A, et al. **Am J Psychiatry** 1984 Feb; 141(2):206-9

Cerebral ventricular enlargement and suicide in schizophrenia and mania [letter] Nasrallah HA, et al.
Am J Psychiatry 1984 Jul;141(7):919

CSF 5-hydroxyindoleacetic acid levels in suicidal schizophrenic patients. Ninan PT, et al.
Am J Psychiatry 1984 Apr;141(4):566-9

Suicide amongst anaesthetists-in-training. Helliwell PJ.
Anaesthesia 1983 Nov;38(11):1097

Suicide risk prediction [letter] Cull JG, et al.
Arch Gen Psychiatry 1984 Mar;41(3):309-10

Effect of 5-hydroxytryptophan on serum cortisol levels in major affective disorders. II. Relation to suicide, psychosis, and depressive symptoms. Meltzer HY, et al.
Arch Gen Psychiatry 1984 Apr;41(4):379-87

Suicide by a transsexual [letter] Levine SB.
Arch Sex Behav 1984 Jun;13(3):287-9

Calenture-missing at sea? Macleod AD.
Br J Med Psychol 1983 Dec;56 (Pt 4):347-50

Suggestion and suicide by plastic bag asphyxia [letter] Church IC, et al. **Br J Psychiatry** 1984 Jan;144:100-1

Thyroid abnormalities and violent suicide [letter] Drummond L, et al. **Br J Psychiatry** 1984 Feb;144:213

Double suicide [editorial] Norton A.
Br Med J [Clin Res] 1984 Feb 4;288(6414):346-7

Suicide in recurrent affective disorder patients. Roy A.
Can J Psychiatry 1984 Jun;29(4):319-22

Childhood suicide. McGuire DJ, et al. **Child Welfare** 1984 Jan-Feb;63(1):17-26

Suicide in depressives. Roy A. **Compr Psychiatry** 1983 Sep-Oct;24(5):487-91

Suicide risk in young schizophrenics. Waltzer H.
Gen Hosp Psychiatry 1984 Jul;6(3):219-25

Suicidal ideation in university students and other groups. Salmons PH, et al. **Int J Soc Psychiatry** 1984 Autumn; 30(3):201-5

Suicidal behavior in normal school children: a comparison with child psychiatric inpatients. Pfeffer CR, et al.
J Am Acad Child Psychiatry 1984 Jul;23(4):416-23

A controlled study of suicide pacts. Fishbain DA, et al.
J Clin Psychiatry 1984 Apr;45(4):154-7

Suicide and the MMPI: a cross-validation of predictors. Watson CG, et al. **J Clin Psychol** 1984 Jan;40(1):115-9

Hopelessness, depression, and suicidal intent among psychiatrically disturbed inpatient children. Kazdin AE, et al. **J Consult Clin Psychol** 1983 Aug;51(4):504-10

Attraction and repulsion by life and death in suicidal and in normal children. Orbach I, et al.
J Consult Clin Psychol 1983 Oct;51(5):661-70

Hopelessness and social desirability as moderator variables in predicting suicidal behavior. Petrie K, et al.
J Consult Clin Psychol 1983 Aug;51(4):485-7

The effect of religious commitment on suicide: a cross-national analysis. Stack S. **J Health Soc Behav** 1983 Dec;24(4):362-74

Recognizing potential suicide. Dickstein LJ.
J Ky Med Assoc 1983 Sep;81(9):700-2

Suicidal death: social reactions to bereaved survivors. Calhoun LG, et al. **J Psychol** 1984 Mar;116(2d Half):255-61

Clinical aspects of childhood suicidal behavior. Pfeffer CR.
Pediatr Ann 1984 Jan;13(1):56-61

Adolescent suicide: a response to developmental crisis. Gilead MP, et al. **Perspect Psychiatr Care** 1983 Jul-Sep; 21(3):94-101

Problems in studying suicide. Murphy GE. **Psychiatr Dev** 1983 Winter;1(4):339-50 (49 ref.)

Suicide in psychiatric patients. Roy A, et al.
Psychiatr J Univ Ottawa 1984 Mar;9(1):42-4

Amine metabolites, neuroendocrine findings, and personality dimensions as correlates of suicidal behavior. Banki CM, et al. **Psychiatry Res** 1983 Dec;10(4):253-61

Muscarinic binding in suicides. Kaufmann CA, et al.
Psychiatry Res 1984 May;12(1):47-55

CSF 5HIAA and personal and family history of suicide in affectively ill patients: a negative study. Roy-Byrne P, et al. **Psychiatry Res** 1983 Dec;10(4):263-74

Identification of suicidal episodes with the MMPI. Watson CG, et al. **Psychol Rep** 1983 Dec;53(3 Pt 1):919-22

Suicidal trends in patients with asthma and hypertension. A chart study. Levitan H. **Psychother Psychosom** 1983; 39(3):165-70

Self poisoning: a study of male patients hospitalised in a general medical department in one year. Chee YC, et al.
Singapore Med J 1984 Apr;25(2):67-9

Physical illness and suicide. Chia BH. **Singapore Med J** 1984 Feb;25(1):30-3

Suicide [letter] Harrison GN. **South Med J** 1984 May; 77(5):669-70

Suicide: the cry of the depressed patient. Pasternack SA.
South Med J 1983 Oct;76(10):1290-3

Alcohol and suicide. Kendall RE.
Subst Alcohol Actions Misuse 1983;4(2-3):121-7

Homicide followed by suicide: Los Angeles, 1970-1979. Allen NH. **Suicide Life Threat Behav** 1983 Fall;13(3):155-65

Cognition and suicide: a methodological review. Arffa S.
Suicide Life Threat Behav 1983 Summer;13(2):109-22

Suicide and ethical theory. Battin MP.
Suicide Life Threat Behav 1983 Winter;13(4):231-9

Family loss and hospital suicide. Conroy RW, et al.
Suicide Life Threat Behav 1983 Fall;13(3):179-94

Self-regarding suicide: a modified Kantian view. Hill TE Jr. **Suicide Life Threat Behav** 1983 Winter;13(4):254-75

Contemporary philosophical literature on suicide: a review. Mayo DJ. **Suicide Life Threat Behav** 1983 Winter; 13(4):313-45

Clinical implications of moral theory regarding suicide. Motto JA. **Suicide Life Threat Behav** 1983 Winter; 13(4):304-12

Self-ownership and the ethics of suicide. Narveson J.
Suicide Life Threat Behav 1983 Winter;13(4):240-53

Suicide and the failure of modern moral theory. Regan DH.
Suicide Life Threat Behav 1983 Winter;13(4):276-92

[Help-seeking behavior and compliance of suicidal patients] Kurz A, et al. **Psychiatr Prax** 1984 Jan;11(1):6-13 (Eng. Abstr.) **(Ger)**

[Suicidal behavior of the elderly] Wächtler C.
Psychiatr Prax 1984 Jan;11(1):14-9 (Eng. Abstr.) **(Ger)**

[Suicidal risk and depression] Pöldinger W.
Schweiz Rundsch Med Prax 1984 May 29;73(22):709-12 (Eng. Abstr.) **(Ger)**

[Suicidal risks in depressed patients] Haenel T.
Ther Umsch 1983 Sep;40(9):774-80 (37 ref.) (Eng. Abstr.) **(Ger)**

[From the psychoreactive crisis to pre-suicidal development, to the problem of judging the risk for suicide] Pöldinger W. **Wien Klin Wochenschr [Suppl]** 1983;145:10-3 (Eng. Abstr.) **(Ger)**

[Family anamnestic study of 89 suicides following release from inpatient psychiatric treatment] Mitterauer B, et al. **Wien Med Wochenschr** 1984 Jan 31;134(2):37-43 (Eng. Abstr.) **(Ger)**

[Fatal suicidal poisoning with the beta receptor blocker talinolol (Cordanum) in multiple-drug addiction] Häusser D. **Z Arztl Fortbild (Jena)** 1983;77(22):943-4 **(Ger)**

[Analysis of suicidal tendencies in twins (letter)]
Orv Hetil 1984 Apr 8;125(15):918-9 **(Hun)**

[Unusual case of suicide of a patient with endogenous depression in a psychiatric ward] Florkowski A.
Wiad Lek 1983 Sep 1;36(17):1479-81 (Eng. Abstr.) **(Pol)**

[Psychological theories on the causes and motivation of suicide] Krupka-Matuszczyk I. **Wiad Lek** 1983 Aug 1; 36(15):1287-90 (34 ref.) (Eng. Abstr.) **(Pol)**

[Suicide] Jinich H, et al. **Gac Med Mex** 1983 Sep; 119(9):343-51 **(Spa)**

[The psychological examination in the evaluation of suicide risk] Biezma López JM. **Rev Sanid Hig Publica (Madr)** 1983 May-Jun;57(5-6):531-50 (Eng. Abstr.) **(Spa)**

SUICIDE, ATTEMPTED

Self-poisoning as a model for the study of the mutagenicity of chemicals in human beings. Czeizel A, et al. **Acta Med Hung** 1984;41(2-3):77-92

Failed suicide attempt by emission gas poisoning. Hays P, et al. **Am J Psychiatry** 1984 Apr;141(4):592-3

A case of severe acute desipramine overdose. Sawyer WT, et al. **Am J Psychiatry** 1984 Jan;141(1):122-3

Self poisoning with formic acid [letter] Rosewarne FA. **Anaesthesia** 1983 Nov;38(11):1104-5

Duration of hypoglycemia and need for intravenous glucose following intentional overdoses of insulin. Stapczynski JS, et al. **Ann Emerg Med** 1984 Jul;13(7):505-11

Thyrotrophin response to thyreostimulin in affectively ill women relationship to suicidal behaviour. Linkowski P, et al. **Br J Psychiatry** 1983 Oct;143:401-5

Attempted suicide in chronic schizophrenia. Roy A, et al. **Br J Psychiatry** 1984 Mar;144:303-6

Deaths and paradoxes after intentional insulin overdosage. Critchley JA, et al. **Br Med J [Clin Res]** 1984 Jul 28; 289(6439):225

An ethical dilemma. Who should be concerned? Dickinson KG, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):29-30

Treatment of severe poisoning with slow release theophylline. Laggner AN, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1497

Survival following massive overdose of adrenergic blocking agents (acebutolol and labetalol). Lewis M, et al. **Eur Heart J** 1983 May;4(5):328-32

Clinical course in acute self-poisonings: a prospective study of 1125 consecutively hospitalised adults. Jacobsen D, et al. **Hum Toxicol** 1984 Apr;3(2):107-16

Biochemical markers in suicidal patients. Investigations with cerebrospinal fluid amine metabolites and neuroendocrine tests. Banki CM, et al. **J Affective Disord** 1984 Jun; 6(3-4):341-50

Blood barbiturate levels in 175 suspected suicide patients. Gupta SK, et al. **J Assoc Physicians India** 1984 Apr; 32(4):340-2

Suicide attempt by toxaphene ingestion: a case report. Wells WL, et al. **J Miss State Med Assoc** 1983 Dec;24(12):329-30

Rural versus urban parasuicide--referral and management. Hughes GW. **J R Coll Gen Pract** 1983 Oct;33(255):637-40

Life-threatening drug overdose. Precipitants and prognosis. Stern TA, et al. **JAMA** 1984 Apr 20;251(15):1983-5

Depression, violent suicide tied to low metabolite level [news] Ziporyn T. **JAMA** 1983 Dec 16;250(23):3141-2

Lack of effect of self-poisoning on subsequent reproductive outcome. Czeizel A, et al. **Mutat Res** 1984 Jul;127(2):175-82

[Suicidal activity of patients with affective disorders during the preventive use of lithium] Hanuš K, et al. **Cesk Psychiatr** 1984 Apr;80(2):97-100 (Eng. Abstr.) (Cze)

[Acute benzodiazepine poisoning. Apropos of a study of 162 cases hospitalized for attempted suicide] Rouzioux JM, et al. **Encephale** 1983;9(4 Suppl 2):109B-115B (Eng. Abstr.) (Fre)

[Attempted suicide by ingestion of Datura stramonium seeds (letter)] Simmat G, et al. **Presse Med** 1983 Oct 29; 12(38):2399 (Fre)

[Rewarming of humans in deep hypothermia using a short-wave therapy apparatus. Report of 3 cases] Schmicke P. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):27-9 (Eng. Abstr.) (Ger)

[Metamizol--acute overdose with suicidal intent] Wolhoff H, et al. **Dtsch Med Wochenschr** 1983 Nov 18; 108(46):1761-4 (Eng. Abstr.) (Ger)

[Metallic mercury poisoning. Case report] Fichte B, et al. **Radiologe** 1984 Feb;24(2):95-7 (Eng. Abstr.) (Ger)

[Mercury in the lung following intravenous administration] Myhr SO, et al. **ROFO** 1984 Feb;140(2):226-7 (Ger)

[Hemoperfusion therapy in severe suicidal digoxin poisoning] Achenbach H, et al. **Z Gesamte Inn Med** 1984 Mar 1; 39(5):77-81 (Eng. Abstr.) (Ger)

[Attempted suicide by intake of pholedrine] Glös J, et al. **Z Gesamte Inn Med** 1983 Nov 15;38(22):617-9 (Eng. Abstr.) (Ger)

[Suicide attempt with coumadin] Heller K, et al. **Harefuah** 1984 Mar 15;106(6):264 (Eng. Abstr.) (Heb)

[A case of ingestion of muriatic acid (hydrochloric acid), surgically treated and cured] Berlanda GP. **Minerva Anestesiol** 1984 Mar;50(3):89-93 (Eng. Abstr.) (Ita)

[Severe suicidal poisoning with the preparation Primicid 20 during pregnancy] Domańska I, et al. **Przegl Lek** 1983; 40(6):309-10 (Eng. Abstr.) (Pol)

[Case of triple attempt at suicide] Kovachev L. **Khirurgiia (Sofiia)** 1983;36(6):567-9 (Rus)

[Various features of the suicidal behavior of children and adolescents] Ambrumova AG, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1544-7 (Eng. Abstr.) (Rus)

[Simultaneous poisoning with medigoxin, verapamil, insulin, medazepam, diazepam, butamirate, triamterene and hydrochlorothiazide] Duraković Z, et al. **Lijec Vjesn** 1983 Sep;105(9):365-9 (Eng. Abstr.) (Scr)

LEGISLATION & JURISPRUDENCE

A patient's right to die by starvation. Bernstein AH. **Hospitals** 1984 May 16;58(10):75-6, 78

[Suicides and attempted suicides in relation to the delivery of medical care: study of legal prosecutions in Quebec between 1968 and 1977] Deschamps P. **Can J Psychiatry** 1983 Oct;28(6):475-83 (Eng. Abstr.) (Fre)

OCCURRENCE

Attempted suicide and immigration in Perth, Western Australia, 1969-1978. Burvill PW, et al. **Acta Psychiatr Scand** 1983 Aug;68(2):89-99

Drugs and suicide attempts in Benin City, Nigeria. Eferakeya AE. **Br J Psychiatry** 1984 Jul;145:70-3

Subsequent deaths after attempted suicide by drug overdose in the western region of Adelaide, 1976. Rosenman SJ. **Med J Aust** 1983 Nov 12;2(10):496-9

Unemployment and suicidal behaviour: a review of the literature. Platt S. **Soc Sci Med** 1984;19(2):93-115 (156 ref.)

[Dexamethasone suppression test and suicide] Van Wettere JP, et al. **Acta Psychiatr Belg** 1983;83(6):569-78 (Eng. Abstr.) (Fre)

[Detection of suicide attempts likely to be repeated within a year] Wilmotte J, et al. **Acta Psychiatr Belg** 1983; 83(6):558-68 (Eng. Abstr.) (Fre)

[Risk of recurrence in suicide attempts] Feuerlein W. **Lebensversicherungsmedizin** 1984 Mar 22;36(3):56-9 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Societal approval of suicide [letter] Lester D. **Aust NZ J Psychiatry** 1983 Sep;17(3):293

Preventive strategies and program evaluation methods for chronically mentally ill suicide attempters. McFarland BH, et al. **Compr Psychiatry** 1984 Jul-Aug;25(4):426-37

Black suicide attempters in 1980: a preventive focus. Baker FM. **Gen Hosp Psychiatry** 1984 Apr;6(2):131-7

Recognizing and helping the suicidal patient in chiropractic practice [letter] Keating JC Jr, et al. **J Manipulative Physiol Ther** 1984 Mar;7(1):57-9

[Prevention of suicide] Montgomery SA, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):561-4 (Jpn)

PSYCHOLOGY

Attempted suicide (parasuicide) in Nairobi, Kenya. arap Mengech HN, et al. **Acta Psychiatr Scand** 1984 May; 69(5):416-9

Attempted suicide by jumping. Prasad A, et al. **Acta Psychiatr Scand** 1983 Nov;68(5):394-6

Family history of illness in the seriously suicidal adolescent: a life-cycle approach. Friedman RC, et al. **Am J Orthopsychiatry** 1984 Jul;54(3):390-7

Suicidal behavior among serious juvenile offenders. Alessi NE, et al. **Am J Psychiatry** 1984 Feb;141(2):286-7

Psychiatric care for patients with self-inflicted gunshot wounds. Conn LM, et al. **Am J Psychiatry** 1984 Feb; 141(2):261-3

Association between cerebral ventricular enlargement and suicide attempts in chronic schizophrenia. Levy AB, et al. **Am J Psychiatry** 1984 Mar;141(3):438-9

Suicidal behavior by preschool children. Rosenthal PA, et al. **Am J Psychiatry** 1984 Apr;141(4):520-5

Intentionality and seriousness of suicide attempts in relation to depression. Gorenc KD, et al. **Bol Estud Med Biol** 1983 Jan-Apr;32(5-6):233-47

Hopelessness, depression and suicidal intent in parasuicide. Dyer JA, et al. **Br J Psychiatry** 1984 Feb;144:127-33

Estimating suicide risk among attempted suicides. II. Efficiency of predictive scales after the attempt. Pallis DJ, et al. **Br J Psychiatry** 1984 Feb;144:139-48

Children who poison themselves. II. Prediction of attendance for treatment. Taylor EA, et al. **Br J Psychiatry** 1984 Aug; 145:132-5

Children who poison themselves. I. A clinical comparison with psychiatric controls. Taylor EA, et al. **Br J Psychiatry** 1984 Aug;145:127-32

Relationships between measures of direct and indirect hostility and self-destructive behaviour by hospitalized schizophrenics. Yesavage JA. **Br J Psychiatry** 1983 Aug; 143:173-6

Nine psychiatric inpatients who leaped from a height. Small GW, et al. **Can J Psychiatry** 1984 Mar;29(2):129-31

Suicide among preschoolers: fact or fallacy? Rosenthal PA, et al. **Child Today** 1983 Nov-Dec;12(6):21-4

Suicidal behavior in normal school children: a comparison with child psychiatric inpatients. Pfeffer CR, et al. **J Am Acad Child Psychiatry** 1984 Jul;23(4):416-23

Treatment technique for chronic wrist cutters. Rosen LW, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):33-6

Affective and character pathology of suicidal adolescent and young adult inpatients. Clarkin JF, et al. **J Clin Psychiatry** 1984 Jan;45(1):19-22

Suicidal behavior: a neglected issue in DSM-III [letter] Pomara N. **J Clin Psychiatry** 1984 Jun;45(6):280

Attempted suicide by ingestion of dentures [letter] Price WA, et al. **J Clin Psychiatry** 1984 Apr;45(4):189

Identification of suicide attempters by means of MMPI profiles. Clopton JR, et al. **J Clin Psychol** 1983 Nov; 39(6):868-71

Attraction and repulsion by life and death in suicidal and in normal children. Orbach I, et al. **J Consult Clin Psychol** 1983 Oct;51(5):661-70

Will the real social desirability please stand up? Hopelessness, depression, social desirability, and the prediction of suicidal behavior. Strosahl KD, et al. **J Consult Clin Psychol** 1984 Jun;52(3):449-57

Parasuicide, gender, and gender deviance. Harry J. **J Health Soc Behav** 1983 Dec;24(4):350-61

Evaluation of the suicidal adolescent patient admitted to an urban hospital. Pierog S, et al. **J Med Soc NJ** 1984 Mar; 81(3):197-200

Clinical aspects of childhood suicidal behavior. Pfeffer CR. **Pediatr Ann** 1984 Jan;13(1):56-61

Life at risk: markers of suicidality in depression. Agren H. **Psychiatr Dev** 1983 Spring;1(1):87-103

The role of drugs in adolescent suicide attempts. McKenry PC, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):166-75

[Attempted suicide: more questions than answers. II] de Jonghe F. **Ned Tijdschr Geneeskd** 1984 Apr 14; 128(15):717-20 (Dut)

[Attempted suicide: more questions than answers. I.] de Jonghe F. **Ned Tijdschr Geneeskd** 1984 Apr 7;128(14):675-8 (Dut)

[The Risk-Rescue Scale and evaluation of suicidal persons] Depauw Y, et al. **Acta Psychiatr Belg** 1983;83(6):549-57 (Eng. Abstr.) (Fre)

[Attempted suicide in adolescents. Review of 93 cases] Wilkins J, et al. **Union Med Can** 1983 Aug;112(8):682-4 (Eng. Abstr.) (Fre)

[Transcultural social psychiatric treatment. Case report of a suicide attempt] Zinck H. **Psychiatr Prax** 1984 Jan; 11(1):20-5 (Eng. Abstr.) (Ger)

[Attempted suicide and depressive disorders] Häfner H, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 133(2):283-94 (Eng. Abstr.) (Ger)

[Spinal injuries caused by a suicidal jump from height] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(2):111-5 (Eng. Abstr.) (Pol)

[Typology of suicidal behavior in the clinical picture of the principal forms of mental disorders] Protsyk VA. **Vrach Delo** 1984 May;(5):101-3 (Eng. Abstr.) (Rus)

[Psychopathologic mechanisms of the suicidal actions of progressive paranoid schizophrenics with the Kandinskii syndrome] Guliamov MG, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):81-8 (Eng. Abstr.) (Rus)

[Intentional drug poisoning as a parasuicidal behavior] Gázquez Evangelista JA, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Jul-Aug;11(4):313-20 (Eng. Abstr.) (Spa)

[Death wish and reality of the act in subjects who attempted suicide] Heman Contreras A. **Salud Publica Mex** 1984 Jan-Feb;26(1):39-49 (Eng. Abstr.) (Spa)

SULBENICILLIN see under **PENICILLIN G**

SULFACETAMIDE

ADVERSE EFFECTS

Corneal white plaques caused by sulfacetamide eyedrops. Tabbara KF, et al. **Am J Ophthalmol** 1984 Sep 15; 98(3):378-80

METABOLISM

Stability of sulphacetamide eye drops at higher temperature. Ahmad T. **JPMA** 1983 Jul;33(7):168-72

PHARMACODYNAMICS

Effect of 30% sodium sulfacetamide on corneal sensitivity. Chang FW, et al. **Am J Optom Physiol Opt** 1984 May; 61(5):318-20

Effects of preservatives, steroids, and ethylenediaminetetraacetate on the antimicrobial activity of sulfacetamide. Houlsby RD, et al. **J Pharm Sci** 1983 Dec;72(12):1401-3

THERAPEUTIC USE

Clinical evaluation of trimethoprim-containing ophthalmic solutions in humans. Lamberts DW, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):11-6

SULFACHLORPYRIDAZINE see under **SULFANILAMIDES**

SULFACYTINE see under **SULFANILAMIDES**

SULFADIAZINE

ADMINISTRATION & DOSAGE

The use of topical cerium nitrate-silver sulfadiazine in major burn injuries. Monafo L. **Panminerva Med** 1983 Jul-Sep; 25(3):151-4

ADVERSE EFFECTS

Topical silver sulphadiazine: side effects and urinary excretion. Lockhart SP, et al. **Burns Incl Therm Inj** 1983 Sep;10(1):9-12

Hepatitis in a dog given sulfadiazine-trimethoprim and cyclophosphamide. Anderson WI, et al. **Mod Vet Pract** 1984 Feb;65(2):115

ANALOGS & DERIVATIVES

Synthesis, physical properties and microbiological activities of more water soluble silver sulfadiazine derivatives. De Wit PP, et al. **Pharm Weekbl [Sci]** 1983 Dec 16;5(6):298–301

ANALYSIS

In vivo–in vitro correlations for trisulfapyrimidine suspensions. Mathur LK, et al. **J Pharm Sci** 1983 Sep; 72(9):1071–2

HISTORY

Landmark article June 14, 1941: Sulfadiazine. Therapeutic evaluation and toxic effects on four hundred and forty-six patients. By Maxwell Finland, Elias Strauss, and Osler L. Peterson. **JAMA** 1984 Mar 16;251(11):1467–74

Landmark perspective: Sulfadiazine. Petersdorf RG. **JAMA** 1984 Mar 16;251(11):1475–6

METABOLISM

Pharmacokinetics and metabolism of sulphadiazine in neonatal and young pigs. Friis C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May;54(5):321–6

Drug withdrawal from farmed fish. Depletion of oxytetracycyline, sulfadiazine, and trimethophrim from muscular tissue of rainbow trout (Salmo gairdneri). Salte R, et al. **Acta Vet Scand** 1983;24(4):418–30

Penetration of trimethoprim—sulfadiazine into middle ear fluid in secretory otitis media. Kohonen A, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):89–94

PHARMACODYNAMICS

Silver sulfadiazine (AgSD) resistant pseudomonas infection in experimental burn wounds. Modak SM, et al. **Panminerva Med** 1983 Jul–Sep;25(3):181–8

[Comparison of the in vitro antibacterial activity of trimethoprim–sulfadiazine and trimethoprim–sulfamethoxazole combinations] Thabaut A. **Therapie** 1983 Jul–Aug;38(4):399–404 (Eng. Abstr.) **(Fre)**

[Comparative in vitro tests of silver sulphadiazine and zinc sulfadiazine swabs on burn patients] Youssef S, et al. **Z Kinderchir** 1983 Apr;38 Suppl:16–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Cutaneous nonpulmonary Mycobacterium chelonei infection. Successful treatment with sulfonamides in an immunosuppressed patient. Heironimus JD, et al. **Arch Dermatol** 1984 Aug;120(8):1061–3

Comparative effects of cotrimoxazole (trimethoprim–sulphamethoxazole), pyrimethamine–sulphadiazine and spiramycin during avirulent infection with Toxoplasma gondii (Beverley strain) in mice. Nguyen BT, et al. **Br J Pharmacol** 1983 Aug;79(4):923–8

Treatment of recurrent urinary infections with a combination of nitrofurantoin and sulphadiazine. Brumfitt W, et al. **Chemotherapy** 1984;30(4):270–5

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim–sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

A clinical trial of co–trimazine (sulfadiazine + trimethoprim) in flare–ups of chronic bronchitis. Leone G, et al. **J Int Med Res** 1984;12(1):1–9

Early excision and grafting vs. nonoperative treatment of burns of indeterminant depth: a randomized prospective study. Engrav LH, et al. **J Trauma** 1983 Nov;23(11):1001–4

Alpha heavy chain disease developing in an Asian resident in the United Kingdom and responding to antibiotics. Ross IN, et al. **Postgrad Med J** 1983 Jul;59(693):443–6

Silver sulfadiazine: an antibacterial agent for topical use in burns. A review of the literature. Hoffmann S. **Scand J Plast Reconstr Surg** 1984;18(1):119–26 (68 ref.)

[Comparative double-blind clinical study of co–tetroxazine and amoxicillin in common ENT infections] Zbären P, et al. **Praxis** 1983 Nov 22;72(47):1491–3 (Eng. Abstr.) **(Fre)**

[Experimental study of the local application of silver sulfadiazine, cefsulodin and povidone–iodine in burns] Kaiser W, et al. **Infection** 1984 Jan–Feb;12(1):31–5 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of co–tetroxazine in acute purulent sinusitis and acute tonsillitis in a double–blind comparison] Frühwald H, et al. **Wien Klin Wochenschr** 1984 Mar 16; 96(6):219–25 (Eng. Abstr.) **(Ger)**

[Meningococcal diseases in Halland. Sulfaprevention is back again] Lindberg A, et al. **Lakartidningen** 1983 Nov 16; 80(46):4410–2 **(Swe)**

SULFADIMETHOXINE

ADMINISTRATION & DOSAGE

[Chemotherapy of lung disease due to Mycobacterium avium–Mycobacterium intracellulare complex by a combination of sulfadimethoxine, minocycline and kitasamycin] Tsukamura M. **Kekkaku** 1984 Jan;59(1):33–7 (Eng. Abstr.) **(Jpn)**

BLOOD

Effect of simultaneous administration of drugs on absorption and excretion. XVI. Effect of probenecid on plasma protein binding of sulfadimethoxine in fast and slow acetylator rabbits. Imamura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1768–71

[Effect of acetylsalicylic acid on sulfalene and sulfadimethoxine binding by serum proteins and on their kinetics in rabbits] Bobrov VI, et al. **Antibiotiki** 1984 Mar; 29(3):220–3 (Eng. Abstr.) **(Rus)**

METABOLISM

[Pharmacokinetics of sulfalene and sulfamethoxine after combined administration with benzylpenicillin and ampicillin] Bobrov VI, et al. **Antibiotiki** 1984 Apr; 29(4):277–82 (Eng. Abstr.) **(Rus)**

[Characteristics of the distribution of long–acting sulfanilamides in purulent pyelonephritis in rats] Rudzit EA, et al. **Antibiotiki** 1983 Nov;28(11):837–41 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Bacteriostatic effects of sulfadimethoxine and kitasamycin on Mycobacterium avium–M. intracellulare complex] Tsukamura M. **Kekkaku** 1983 Apr;58(4):247–50 (Eng. Abstr.) **(Jpn)**

SULFADIMIDINE see **SULFAMETHAZINE**

SULFADOXINE see under **SULFANILAMIDES**

SULFAETHIDOLE see under **SULFATHIAZOLES**

SULFAFURAZOLE see **SULFISOXAZOLE**

SULFAGUANIDINE see under **GUANIDINES**

SULFALENE see under **SULFANILAMIDES**

SULFAMERAZINE

Isolation and identification of 4–hydroxysulfamerazine and preliminary studies on its pharmacokinetics in dogs. Vree TB, et al. **Pharm Weekbl [Sci]** 1984 Apr 27;6(2):80–7

ANALOGS & DERIVATIVES

Pharmacokinetics, acetylation–deacetylation, renal clearance, and protein binding of sulphamerazine, N4–acetylsulphamerazine, and N4–trideuteroacetylsulphamerazine in 'fast' and 'slow' acetylators. Vree TB, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):271–91

Isolation and identification of 4–hydroxysulfamerazine and preliminary studies on its pharmacokinetics in dogs. Vree TB, et al. **Pharm Weekbl [Sci]** 1984 Apr 27;6(2):80–7

ANALYSIS

In vivo–in vitro correlations for trisulfapyrimidine suspensions. Mathur LK, et al. **J Pharm Sci** 1983 Sep; 72(9):1071–2

METABOLISM

Pharmacokinetics, acetylation–deacetylation, renal clearance, and protein binding of sulphamerazine, N4–acetylsulphamerazine, and N4–trideuteroacetylsulphamerazine in 'fast' and 'slow' acetylators. Vree TB, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):271–91

[Pharmacokinetics of the sulfonamide–trimethoprim combinations Berlocombin and Sulprim in patients with various degrees of kidney dysfunction] Günther K, et al. **Pharmazie** 1984 Apr;39(4):250–3 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Cutaneous nonpulmonary Mycobacterium chelonei infection. Successful treatment with sulfonamides in an immunosuppressed patient. Heironimus JD, et al. **Arch Dermatol** 1984 Aug;120(8):1061–3

SULFAMETER see under **SULFANILAMIDES**

SULFAMETHAZINE

ADMINISTRATION & DOSAGE

Effect of various disintegrants on the availability of directly compressed sulphadimidine tablets. Aboutaleb AE, et al. **Pharmazie** 1983 Jul;38(7):473–5

[Kinetics of sulfadimidine after intravenous and rectal injection into rabbits] Vass I, et al. **Acta Pharm Hung** 1984 Mar;54(2):69–77 (Eng. Abstr.) **(Hun)**

ANALOGS & DERIVATIVES

Evidence for transformation of sulfamethazine to its N4–glucopyranosyl derivative in swine liver during frozen storage. Parks OW. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):566–9

ANALYSIS

Confirmatory method for sulfamethazine residues in cattle and swine tissues, using gas chromatography—chemical ionization mass spectrometry. Stout SJ, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):142–4

In vivo–in vitro correlations for trisulfapyrimidine suspensions. Mathur LK, et al. **J Pharm Sci** 1983 Sep; 72(9):1071–2

[Availability and analysis of sulfadimidine from feed] Kreisner M, et al. **DTW** 1984 May 7;91(5):193–7 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Acetylator phenotyping with sulphadimidine in patients receiving isoniazid. Ylitalo P, et al. **Int J Clin Pharmacol Res** 1984;4(2):141–4

METABOLISM

The effect of the rate of the acetylation on the formation and further development of the silicosis. Hykeš P, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(1–2):77–88

No effect of smoking on sulfamethazine acetylation. Miller ME, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug; 18(7–8):620–2

Pharmacokinetics of newer combination of sulpha & trimethoprim. Seth SD, et al. **Indian J Med Res** 1983 Jul; 78:118–25

Evidence for transformation of sulfamethazine to its N4–glucopyranosyl derivative in swine liver during frozen storage. Parks OW. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):566–9

The association of the slow acetylator phenotype with bladder cancer. Evans DA, et al. **J Med Genet** 1983 Oct; 20(5):330–3

Ethanol interaction with drug acetylation in vivo and in vitro. Olsen H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:295–300

[Features of the metabolic activity of the mononuclear phagocytic system in multiple sclerosis patients] Kovalev IE, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):198–201 (Eng. Abstr.) **(Rus)**

[Acetylation processes in chronic alcoholics] Kovalev IE, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):232–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparative efficacy of sulfamethazine and sulfathiazole in feed for control of Bordetella bronchiseptica infection in swine. Kobland JD, et al. **Am J Vet Res** 1984 Apr; 45(4):720–3

Cutaneous nonpulmonary Mycobacterium chelonei infection. Successful treatment with sulfonamides in an immunosuppressed patient. Heironimus JD, et al. **Arch Dermatol** 1984 Aug;120(8):1061–3

Coccidiosis in preruminating calves the effect of management and short–term treatment on the spread of infection and reinfection. Pavlásek I, et al. **Vet Parasitol** 1984 Jan; 14(1):7–12

URINE

[Distribution of acetylator phenotypes in the Moscow population] Lil'in ET, et al. **Genetika (Moskva)** 1983 Aug; 19(8):1378–80 (Eng. Abstr.) **(Rus)**

SULFAMETHIZOLE see under **SULFATHIAZOLES**

SULFAMETHOXAZOLE

The effect of formulation factors on the solid state interaction between trimethoprim and sulfamethoxazole in compressed tablets. Bettinetti GP, et al. **Farmaco [Prat]** 1983 Jul; 38(7):259–64

ADMINISTRATION & DOSAGE

Synergistic action of trimethoprim and sulfamethoxazole for Nocardia asteroides: efficacious therapy in five patients. Adams HG, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):8–12

Parenteral trimethoprim/sulfamethoxazole for gram–negative bacillary meningitis. McConville JH, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):43–5

Cotrimoxazole prophylaxis in patients with leukemia and prolonged granulocytopenia. Martino P, et al. **Am J Med Sci** 1984 May–Jun;287(3):7–9

Intermittent chemoprophylaxis for Pneumocystis carinii pneumonia. Hughes WT, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):300–1

The prevention of postappendicectomy sepsis by metronidazole and cotrimoxazole: a controlled double blind trial. Chiam HL, et al. **Aust NZ J Surg** 1983 Oct;53(5):421–5

Post–sepsis prophylaxis in cancer patients. Hughes WT, et al. **Cancer** 1984 Jan 1;53(1):137–41

Reversal of dementia associated with Whipple's disease by trimethoprim–sulfamethoxazole, drugs that penetrate the blood–brain barrier. Ryser RJ, et al. **Gastroenterology** 1984 Apr;86(4):745–52

The 'clostridial effect' of selective decontamination of the human gut with trimethoprim/sulphamethoxazole in neutropenic patients. Haralambie E, et al. **Infection** 1983 Jul–Aug;11(4):201–4

Double–blind comparative trial of

trimethoprim/sulfamethopyrazine once daily vs erythromycin 4 X daily in patients with ENT infections. Federspil P, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):535–9

Single-dose treatment of urinary tract infection in young women: data indicating a high rate of recurrent infection during a short follow-up. Leibovici L, et al. **Isr J Med Sci** 1984 Mar;20(3):257–9

Treatment of CSF shunt infections with intrashunt plus oral antibiotic therapy. Frame PT, et al. **J Neurosurg** 1984 Feb; 60(2):354–60

Dosing implications of rapid elimination of trimethoprim–sulfamethoxazole in patients with cystic fibrosis. Reed MD, et al. **J Pediatr** 1984 Feb;104(2):303–7

Single-dose and seven-day trimethoprim and co-trimoxazole in the treatment of urinary tract infection. Jones RH. **J R Coll Gen Pract** 1983 Sep;33(254):585–9

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim–sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174–5

Comparison of single dose netilmicin with a five-day course of co-trimoxazole for uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1984 Apr 25; 97(754):262–4

A comparison of the combination pivmecillinam/pivampicillin and co-trimoxazole in the treatment of convalescent carriers of Salmonella and Shigella. Ekwall E, et al. **Scand J Infect Dis** 1984; 16(1):99–102

Postoperative catheterization and prophylactic antimicrobials in children with hypospadias. Shohet I, et al. **Urology** 1983 Oct;22(4):391–3

[Pharmacokinetics of the combined preparation trimezol—Farmakhim. 1. Plasma levels and urinary excretion of trimethoprim and sulfamethoxazole in the rat] Mikhailova D, et al. **Eksp Med Morfol** 1983;22(4):23–8 (Eng. Abstr.) **(Bul)**

[Prolonged low-dose therapy in recurrent infections of the urinary tract in the child] Ruberto U, et al. **Minerva Pediatr** 1983 Nov 15;35(21):1079–82 (Eng. Abstr.) **(Ita)**

[Sensitivities of atypical mycobacteria to various drugs. VI. Antibacterial effects of sulfonamides and their combinations in vitro] Sakurai N, et al. **Kekkaku** 1983 Aug;58(8):415–20 (Eng. Abstr.) **(Jpn)**

[In vitro susceptibility of Mycobacterium marinum to ST preparation (sulfamethoxazole–trimethoprim)] Arai H. **Nippon Hifuka Gakkai Zasshi** 1983 Sep;93(10):1091–4 **(Jpn)**

[Biseptol dosage in children in relation to the degree of renal failure and body weight. II] Sieniawska M, et al. **Pediatr Pol** 1984 Mar;59(3):189–96 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

The acquired immunodeficiency syndrome and a trimethoprim–sulfamethoxazole adverse reaction [letter] Cohn DL, et al. **Ann Intern Med** 1984 Feb;100(2):311

Adverse reactions to trimethoprim–sulfamethoxazole in patients with the acquired immunodeficiency syndrome. Gordin FM, et al. **Ann Intern Med** 1984 Apr;100(4):495–9

Trimethoprim–sulfamethoxazole-induced cholestatic hepatitis. Inadvertent rechallenge. Thies PW, et al. **Arch Intern Med** 1984 Aug;144(8):1691–2

Myelosuppression complicating cotrimoxazole prophylaxis after bone marrow transplantation [letter] Schey SA, et al. **Br J Haematol** 1984 Jan;56(1):179–80

Hypoglycemia induced by the interaction of chlorpropamide and co-trimoxazole. Baciewicz AM, et al. **Drug Intell Clin Pharm** 1984 Apr;18(4):309–10

Normal somatic growth in children receiving low-dose prophylactic co-trimoxazole. Smellie JM, et al. **Eur J Pediatr** 1983 Sep;140(4):301–4

Possible role of methotrexate in trimethoprim–sulfamethoxazole-induced acute megaloblastic anemia. Dan M, et al. **Isr J Med Sci** 1984 Mar;20(3):262–3

Drug eruptions presenting at sites of prior radiation damage (sunlight and electron beam). Shelley WB, et al. **J Am Acad Dermatol** 1984 Jul;11(1):53–7

Trimethoprim–sulfamethoxazole: another cause of recurrent meningitis [letter] Haas EJ. **JAMA** 1984 Jul 20;252(3):346

Complications of co-trimoxazole in treatment of AIDS-associated Pneumocystis carinii pneumonia in homosexual men. Jaffe HS, et al. **Lancet** 1983 Nov 12; 2(8359):1109–11

Co-trimoxazole toxicity in children [letter] Jick SS, et al. **Lancet** 1984 Sep 15;2(8403):631

Nephrotoxicity by co-trimoxazole and cyclosporin in transplanted patients [letter] Ringdén O, et al. **Lancet** 1984 May 5;1(8384):1016–7

Co-trimoxazole in pregnancy [letter] Smithells RW. **Lancet** 1983 Nov 12;2(8359):1142

Hepatic injury complicating sulfa therapy: case report. Kossow AS. **Millit Med** 1984 Feb;149(2):80–1

Renal salt wasting and metabolic acidosis with trimethoprim–sulfamethoxazole therapy. Kaufman AM, et al. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):238–9

Trimethoprim—sulfamethoxazole-related hypoglycemia in a patient with renal failure. Frankel MC, et al. **NY State J Med** 1984 Jan;84(1):30–1

The use of trimethoprim-sulfamethoxazole in children: a review of adverse reactions and indications. Gutman LT. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):349–57

[Toxic epidermal necrolysis. A case caused by sulphamethoxazole combined with trimethoprim] Petersen P, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3345–6 (Eng. Abstr.) **(Dan)**

[Paraplegia syndrome following the use of co-trimoxazole] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1984 Apr 7; 128(14):678–80 (Eng. Abstr.) **(Dut)**

[Fatal agranulocytosis and toxic liver damage after use of trimethoprim–sulfamethoxazole] Haaverstad R, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):741–2 (Eng. Abstr.) **(Nor)**

ANALOGS & DERIVATIVES

High-performance liquid chromatographic quantitation of trimethoprim, sulfamethoxazole, and N4-acetylsulfamethoxazole in body fluids. Weber A, et al. **J Chromatogr** 1983 Dec 9;278(2):337–45

ANALYSIS

Rapid colorimetric assay of trimethoprim and sulfamethoxazole in pharmaceuticals. Sanyal AK, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1447–9

High-performance liquid chromatographic quantitation of trimethoprim, sulfamethoxazole, and N4-acetylsulfamethoxazole in body fluids. Weber A, et al. **J Chromatogr** 1983 Dec 9;278(2):337–45

[Analysis of the solid phase interaction between sulfamethoxazole and trimethoprim by x-ray diffraction of the powder] Bettinetti GP, et al. **Farmaco [Prat]** 1983 Jul; 38(7):265–72 (Eng. Abstr.) **(Ita)**

BLOOD

Effect of simultaneous administration of drugs on absorption and excretion. XVII. In vivo protein binding interaction between sulfamethoxazole and chloral hydrate in rabbits. Imamura Y, et al. **Chem Pharm Bull (Tokyo)** 1984 May; 32(5):1967–72

CEREBROSPINAL FLUID

Cerebrospinal fluid penetration of trimethoprim–sulphamethoxazole in two patients with gram-negative bacillary meningitis [letter] Levitz RE, et al. **J Antimicrob Chemother** 1984 Apr;13(4):400–1

METABOLISM

Penetration of trimethoprim and sulfamethoxazole into skin blister fluid. Nowak A, et al. **Eur J Clin Pharmacol** 1983; 25(6):825–7

Estimation of trimethoprim and sulfamethoxazole levels in tears after systemic administration. Sharma GK, et al. **Indian J Ophthalmol** 1983 Jul;31(4):447–9

The penetration of trimethoprim and sulphamethoxazole into synovial fluid. Sattar MA, et al. **J Antimicrob Chemother** 1983 Sep;12(3):229–33

Effect of chlorpromazine on intestinal absorption of sulfamethoxazole in rats. Chung YH, et al. **J Pharmacobiodyn** 1983 Nov;6(11):829–35

Acetylation of sulphamethoxazole by fresh water turtles Pseudemys scripta elegans. Vree TB, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):237–40

Data on the pharmacokinetics of sulphamethoxazole and trimethoprim in buffalo calves. Jain SK, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):25–30

[Co-trimoxazole concentration in the prostatic fluid of patients with subacute and chronic prostatitis] Hofstetter A, et al. **Fortschr Med** 1984 Mar 8;102(9):244–6 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of the sulfonamide–trimethoprim combinations Berlocombin and Sulprim in patients with various degrees of kidney dysfunction] Günther K, et al. **Pharmazie** 1984 Apr;39(4):250–3 (Eng. Abstr.) **(Ger)**

[Role of the skin in sulfamethoxazole distribution] Nowak A, et al. **Pol Tyg Lek** 1983 Apr 25;38(17):521–4 (Eng. Abstr.) **(Pol)**

[Role of the skin in the distribution of co-trimoxazole components] Nowak A, et al. **Pol Tyg Lek** 1983 Mar 28; 38(13):393–6 (Eng. Abstr.) **(Pol)**

[Sulfamethoxazole concentration in the homogenate of the human embryo] Prokopczyk J, et al. **Probl Med Wieku Rozwoj** 1979;9:132–3 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Biological profile and response to anti-pneumocystis agents of Pneumocystis carinii in cell culture. Pifer LL, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):674–8

Sulfamethoxazole–trimethoprim-resistant Shigella flexneri in northeastern Brazil. Tiemens KM, et al. **Antimicrob Agents Chemother** 1984 May;25(5):653–4

Disturbance of 6-mercaptopurine metabolism by cotrimoxazole in childhood lymphoblastic leukaemia. Rees CA, et al. **Cancer Chemother Pharmacol** 1984;12(2):87–9

A comparison of the susceptibilities of anaerobic bacteria to trimethoprim and sulfamethoxazole individually and in combination. Tosolini FA, et al. **Clin Ther** 1983;5(6):629–31

The effect of cotrimoxazole on oral contraceptive steroids in women. Grimmer SF, et al. **Contraception** 1983 Jul; 28(1):53–9

Trimethoprim–sulphamethoxazole-resistant Shigella dysenteriae serotype 1 (Shiga's bacillus) in Gimira, south-west Ethiopia [letter] Gebre-Yohannes A, et al. **Ethiop Med J** 1983 Oct;21(4):275–6

Cotrimoxazole resistance in pneumococci. Linares J, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):473–4

Activity of trimethoprim (TMP), sulphamethoxazole (SMX) and the combination against Bacteroides fragilis group isolates. Jackson-York GL, et al. **J Antimicrob Chemother** 1983 Nov;12(5):515–8

Comparative susceptibilities of penicillin-resistant pneumococci to co-trimoxazole, vancomycin, rifampicin and fourteen beta-lactam antibiotics. Liñares J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):353–9

Comparison of the suitability of three common bacterial media for susceptibility testing of trimethoprim–sulfamethoxazole. Ferguson RW, et al. **J Clin Microbiol** 1984 Jan;19(1):85–6

Effects of trimethoprim–sulfamethoxazole and incubation atmosphere on isolation of group A streptococci. Libertin CR, et al. **J Clin Microbiol** 1983 Sep;18(3):680–2

Prediction of sulfamethoxazole–trimethoprim synergistic action against members of the family Enterobacteriaceae with a two-plate agar dilution breakpoint MIC system. Ward PB, et al. **J Clin Microbiol** 1984 Jun;19(6):899–901

Trimethoprim–sulphamethoxazole synergy against Gram-negative bacilli [letter] Perogambros A, et al. **J Hosp Infect** 1984 Mar;5(1):103–6

In-vitro comparative study of Lidaprim and co-trimoxazole. Abdel-Messih EF, et al. **J Int Med Res** 1984;12(3):219–20

Co-trimoxazole-resistant Shigella dysenteriae type 1 outbreak in a family in Bangladesh [letter] Zaman K, et al. **Lancet** 1983 Oct 1;2(8353):796–7

In vitro interactions between metronidazole or tinidazole and ampicillin, doxycycline and co-trimoxazole on the effect against anaerobic bacteria. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;91:95–101

[In vitro synergy between sulfamethoxazole and trimethoprim on strains of Staphylococcus aureus sensitive and resistant to methicillin] Bismuth R, et al. **Pathol Biol (Paris)** 1983 May;31(5):429–33 (Eng. Abstr.) **(Fre)**

[Comparative activity of sulfamethoxazole–trimethoprim (SMZ–TMP) on bacteria responsible for ORL infections] Joly B, et al. **Pathol Biol (Paris)** 1984 Jun;32(6):689–92 (Eng. Abstr.) **(Fre)**

[Present status of the resistance of enterobacteria to the combination of a sulfonamide and trimethoprim (letter)] Riou B, et al. **Presse Med** 1984 Jun 23;13(26):1637–8 **(Fre)**

[Comparison of the in vitro antibacterial activity of trimethoprim–sulfadiazine and trimethoprim–sulfamethoxazole combinations] Thabaut A. **Therapie** 1983 Jul–Aug;38(4):399–404 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of urinary tract infections in gynecological patients. A randomized study comparing pivampicillin–pivmecillinam with trimethoprim–sulphamethoxazole. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):515–8

Intracellular Escherichia coli in urinary malakoplakia: a reservoir of infection and its therapeutic implications. Qualman SJ, et al. **Am J Clin Pathol** 1984 Jan;81(1):35–42

Randomized controlled trial comparing trimethoprim/sulfamethoxazole and trimethoprim for infection prophylaxis in hospitalized granulocytopenic patients. Bow EJ, et al. **Am J Med** 1984 Feb;76(2):223–33

Assessment of therapy for pneumocystis carinii pneumonia. PCP Therapy Project Group. Haverkos HW. **Am J Med** 1984 Mar;76(3):501–8

Continuous sulfa prophylaxis for urinary tract infection in renal transplant recipients. Peters C, et al. **Am J Surg** 1983 Nov;146(5):589–93

Trimethoprim–sulfamethoxazole for bacterial meningitis. Levitz RE, et al. **Ann Intern Med** 1984 Jun;100(6):881–90 (80 ref.)

Trimethoprim sulphamethoxazole in neonatal Flavobacterium meningosepticum infection. Linder N, et al. **Arch Dis Child** 1984 Jun;59(6):582–4

Bacterial changes in the urine samples of patients with long-term indwelling catheters. Breitenbucher RB. **Arch Intern Med** 1984 Aug;144(8):1585–8

Infection prophylaxis in acute leukemia. Comparative effectiveness of sulfamethoxazole and trimethoprim, ketoconazole, and a combination of the two. Estey E, et al. **Arch Intern Med** 1984 Aug;144(8):1562–8

Double-blind co-operative trial to compare trimethoprim–sulfalene and co-trimoxazole in the treatment of lower respiratory tract infections. Ferlinz R, et al. **Arzneimittelforsch** 1983;33(11):1609–12

Outbreak of co-trimoxazole- and gentamicin-resistant Klebsiella aerogenes bacteremia in neutropenic patients receiving oral co-trimoxazole prophylaxis. Leahy MF, et al. **Aust NZ J Med** 1983 Dec;13(6):636–8

Comparison of single dose with a 5-day course of co-trimoxazole for asymptomatic (covert) bacteriuria of pregnancy. Bailey RR, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):139–41

Comparative effects of cotrimoxazole (trimethoprim–sulphamethoxazole), pyrimethamine–sulphadiazine and spiramycin during avirulent infection with Toxoplasma gondii (Beverley

strain) in mice. Nguyen BT, et al. **Br J Pharmacol** 1983 Aug;79(4):923–8

Treatment of acute gonococcal urethritis in men with simultaneous infection with Chlamydia trachomatis. Csángó PA, et al. **Br J Vener Dis** 1984 Apr;60(2):95–8

Treatment of chancroid. A comparison of sulphamethoxazole and trimethoprim–sulphamethoxazole. Fast MV, et al. **Br J Vener Dis** 1983 Oct;59(5):320–4

Augmentin (amoxycillin–clavulanic acid) compared with co–trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82–3

Somatic growth in girls receiving low dose prophylactic co–trimoxazole. Smellie JM, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):875

Efficacy of trimethoprim/sulfamethoxazole in experimental Escherichia coli bacteremia and meningitis. Kim KS, et al. **Chemotherapy** 1983;29(6):428–35

Resistance to trimethoprim–sulfamethoxazole in the treatment of Pneumocystis carinii pneumonia. Implication of folinic acid. Nunn PP, et al. **Chest** 1984 Jul;86(1):149–50

Co–trimoxazole use for resistant Pseudomonas maltophilia. Rivera JO, et al. **Clin Pharm** 1984 May–Jun;3(3):308–11

Experimental septic shock: relative effects of treatment with antibiotics, crystalloid or colloid solution infusions and corticosteroids. Ottosson J, et al. **Crit Care Med** 1984 Jul; 12(7):560–4

Another look at trimethoprim–sulfamethoxazole: its role in parenteral therapy. Sattler FR, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):174–6

Antibacterial prophylaxis in chronic granulomatous disease. A case report. Mendelsohn HB, et al. **Isr J Med Sci** 1983 Nov;19(11):1004–5

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim–sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

Pivmecillinam, co–trimoxazole and oral mecillinam in gastroenteritis due to Vibrio spp. Uylangco C, et al. **J Antimicrob Chemother** 1984 Feb;13(2):171–5

Norfloxacin versus cotrimoxazole in the treatment of uncomplicated urinary tract infections—a multi–centre trial. Watt B, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:89–94

Trimethoprim/sulfamethoxazole versus placebo: a double–blind comparison of infection prophylaxis in patients with small cell carcinoma of the lung. de Jongh CA, et al. **J Clin Oncol** 1983 May;1(5):302–7

The treatment of acute bronchitis with trimethoprim and sulfamethoxazole. Franks P, et al. **J Fam Pract** 1984 Aug; 19(2):185–90

Five–year absence of Pneumocystis carinii pneumonitis in a pediatric oncology center [letter] Hughes WT. **J Infect Dis** 1984 Aug;150(2):305–6

Listeria bacteremia and peritonitis associated with a peritoneovenous shunt: successful treatment with sulfamethoxazole and trimethoprim. Winslow DL, et al. **J Infect Dis** 1984 May;149(5):820

The anti–inflammatory action of flurbiprofen suppositories in paediatric urology in comparison with co–trimoxazole. Bono AV, et al. **J Int Med Res** 1984;12(2):128–31

Placebo–controlled double–blind evaluation of trimethoprim–sulfamethoxazole treatment of Yersinia enterocolitica gastroenteritis. Pai CH, et al. **J Pediatr** 1984 Feb;104(2):308–11

Prophylactic sulfamethoxazole and trimethoprim in ventriculoperitoneal shunt surgery. A double–blind, randomized, placebo–controlled trial. Wang EE, et al. **JAMA** 1984 Mar 2;251(9):1174–7

Pentamidine or co–trimoxazole for Pneumocystis carinii pneumonia [letter] Kochen MM, et al. **Lancet** 1983 Dec 3;2(8362):1300–1

Acute cystitis: a prospective study of laboratory tests and duration of therapy. Schultz HJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):391–7

Management of dysuria in women [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Jun;59(6):436–7

Single dose trimethoprim–sulfamethoxazole in acute cystitis. Compton AB. **Milit Med** 1983 Jul;148(7):622–3

Treatment of peritonitis in continuous ambulatory peritoneal dialysis patients with co–trimoxazole. Glasson P, et al. **Nephron** 1984;36(1):65–7

Comparison of augmentin with co–trimoxazole for treatment of uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1983 Nov 23;96(744):970–2

Comparison of cefaclor and trimethoprim–sulfamethoxazole in the treatment of acute otitis media. Blumer JL, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):25–9

Trimethoprim–sulfamethoxazole therapy for relapses of Salmonella meningitis. Murphy TF, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):465–8

A multi–centre trial comparing a sulfamethopyrazine/trimethoprim combination with co–trimoxazole in respiratory tract infections. Colombo ML, et al. **Pharmatherapeutica** 1984;3(8):556–65

Pivmecillinam plus pivampicillin versus co–trimoxazole in patients undergoing transurethral prostate resection. Holmquist B, et al. **Pharmatherapeutica** 1984;3(10):686–91

Oral rifampin and trimethoprim/sulfamethoxazole therapy in asymptomatic carriers of methicillin–resistant Staphylococcus aureus infections. Ellison RT 3d, et al. **West J Med** 1984 May;140(5):735–40

[Prevention of post–operative infections in urologic surgery. Comparative study of cotrimoxazole and cefazolin] Ragnaud JM, et al. **Pathol Biol (Paris)** 1983 May; 31(5):434–7 (Eng. Abstr.) **(Fre)**

[Antibiotic prophylaxis and therapy of febrile aplastic children with acute leukemia] Prindull G, et al. **Klin Padiatr** 1984 May–Jun;196(3):162–5 (Eng. Abstr.) **(Ger)**

[Trimethoprim with or without sulfonamides?] Gossius G, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1681–3 (Eng. Abstr.) **(Nor)**

[Changes in trimethoprim levels and its pharmacokinetic parameters in children with chronic renal failure treated with biseptol. I] Sieniawska M, et al. **Pediatr Pol** 1984 Mar; 59(3):177–87 (Eng. Abstr.) **(Pol)**

[Choice of treatment in recurrent urinary infections in childhood] Sánchez Bayle M, et al. **An Esp Pediatr** 1984 Jan;20(1):28–32 (Eng. Abstr.) **(Spa)**

[Mediterranean boutonneuse fever. Trimethoprim–sulfamethoxazole, treatment of choice (letter)] Marcos Sánchez F, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):236 **(Spa)**

TOXICITY

[Trial of trimedin action on chickens] Drumev D, et al. **Vet Med Nauki** 1983;20(9):87–95 (Eng. Abstr.) **(Bul)**

SULFAMETHOXYPYRIDAZINE

METABOLISM

[Characteristics of the distribution of long–acting sulfanilamides in purulent pyelonephritis in rats] Rudzit EA, et al. **Antibiotiki** 1983 Nov;28(11):837–41 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Treatment of urinary tract infections in children with trimethoprim–sulfamethoxypyridazine] Rodríguez W, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):402–6 (Eng. Abstr.) **(Spa)**

SULFAMETHYLISOXAZOLE see **SULFAMETHOXAZOLE**

SULFAMONOMETHOXINE see under **SULFANILAMIDES**

SULFAMYL DIURETICS see **DIURETICS, SULFAMYL**

SULFANILAMIDES

Spontaneous formation of immunogenic conjugates by 5–aminosalicylic acid—a biotransformation product of salicylazosulfapyridine. Cîrstea M, et al. **Physiologie** 1983 Jul–Sep;20(3):161–7

ADMINISTRATION & DOSAGE

Efficacy of clorsulon for treatment of mature naturally acquired and 8–week–old experimentally induced Fasciola hepatica infections in cattle. Malone JB, et al. **Am J Vet Res** 1984 May;45(5):851–4

Therapy of chancroid with trimethoprim–sulfametrole [letter] Webster DR, et al. **N Engl J Med** 1983 Dec 29; 309(26):1652

The effect of polysorbate 80 on sulphanilamide tablet formulations containing starch and other excipients. Sia HW, et al. **Pharm Acta Helv** 1984;59(2):41–6

Long–term oral treatment of urinary tract infections with single daily doses of a new antibacterial drug combination (Kelfiprim). von Niederhäusern W, et al. **Urol Res** 1983; 11(4):181–5

ADVERSE EFFECTS

Transient myopia associated with vaginal sulfanilamide suppositories [letter] Chirls IA, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):120–1

Unusual pulmonary reaction during short term prophylaxis with pyrimethamine–sulfadoxine (Fansidar). Svanbom M, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1876

[Stevens–Johnson syndrome and granulopenia induced by sulfadoxine–pyrimethamine (Fansidar)] Ligthelm RJ, et al. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1735–7 (Eng. Abstr.) **(Dut)**

[Lyell's syndrome: study of a clinical case] Ghinelli F, et al. **Acta Biomed Ateneo Parmense** 1983;54(4):363–8 (Eng. Abstr.) **(Ita)**

[Guillain–Barré syndrome associated with Fansidar intake] Lorentzon B. **Lakartidningen** 1984 Aug 22;81(34):2919 **(Swe)**

ANALYSIS

[Residue ratio of various sulfonamides in animals. 5. Determination of the excretion period of Solupront (4–aminobenzenesulofonylaminomethane sulfonic acid triethanolamine) in milk] Kirchner K, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):763–5 (1 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

High–performance liquid chromatographic assay of pyrimethamine, sulfadoxine and its N4–acetyl metabolite in serum and urine after ingestion of Suldox. Midskov C. **J Chromatogr** 1984 Jun 8;308:217–27

[Effect of acetylsalicylic acid on sulfalene and sulfadimethoxine binding by serum proteins and on their kinetics in rabbits] Bobrov VI, et al. **Antibiotiki** 1984 Mar; 29(3):220–3 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Furazan sulfanilamides] Tironi C, et al. **Farmaco [Sci]** 1984 Mar;39(3):265–72 (Eng. Abstr.) **(Ita)**

HISTORY

Landmark article April 24, 1937. The treatment of meningococcic meningitis with sulfanilamide. Preliminary report. By Francis F. Schwentker, Sidney Gelman, and Perrin H. Long. **JAMA** 1984 Feb 10;251(6):788–90

METABOLISM

Azosemide kinetics and dynamics. Brater DC, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):454–8

Comparative pharmacokinetics of sulphasalazine and sulphapyridine after rectal and oral administration to patients with ulcerative colitis. Allgayer H, et al. **Eur J Clin Pharmacol** 1984;26(2):275–7

High–performance liquid chromatographic assay of pyrimethamine, sulfadoxine and its N4–acetyl metabolite in serum and urine after ingestion of Suldox. Midskov C. **J Chromatogr** 1984 Jun 8;308:217–27

Dose–dependent pharmacokinetics of intravenous sulfamonomethoxine in pigs. Shimoda M, et al. **Jpn J Pharmacol** 1983 Aug;33(4):903–5

Renal excretion of drugs during postnatal development in piglets. Friis C. **Vet Res Commun** 1983 Dec;7(1–4):349–52

[Pharmacokinetics, biological availability and residues of sulfadoxine and trimethoprim when used jointly on calves] Pashkov D, et al. **Vet Med Nauki** 1984;21(4):84–93 (Eng. Abstr.) **(Bul)**

[Identifiability of nonlinear compartmental models for plasma protein binding of sulfa drugs] He SX, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):265–9 (Eng. Abstr.) **(Chi)**

[Pharmacokinetics of sulfalene and sulfamethoxine after combined administration with benzylpenicillin and ampicillin] Bobrov VI, et al. **Antibiotiki** 1984 Apr; 29(4):277–82 (Eng. Abstr.) **(Rus)**

[Characteristics of the distribution of long–acting sulfanilamides in purulent pyelonephritis in rats] Rudzit EA, et al. **Antibiotiki** 1983 Nov;28(11):837–41 (Eng. Abstr.) **(Rus)**

[Mechanism of absorption and acetylation of sulfanilamides in the body] Makarov VA, et al. **Klin Med (Mosk)** 1983 Nov;61(11):17–21 (41 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Synergistic antimalarial activity of pyrimethamine and sulfadoxine against Plasmodium falciparum in vitro. Chulay JD, et al. **Am J Trop Med Hyg** 1984 May;33(3):325–30

Soybean lipoxygenase inhibition: studies with the sulphasalazine metabolites N–acetylaminosalicylic acid, 5–aminosalicylic acid and sulphapyridine. Allgayer H, et al. **Eur J Clin Pharmacol** 1984;26(4):449–51

Clinical investigations on the pharmacology of azosemide (SK–110) in comparison with furosemide in healthy volunteers. Kuzuya F, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):291–9

Hormonal response to acute diuresis—a comparative study of furosemide and azosemide. Ogawa K, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):284–90

In–vitro comparative study of Lidaprim and co–trimoxazole. Abdel–Messih EF, et al. **J Int Med Res** 1984;12(3):219–20

Remarks on the structure–activity relationship of silver sulfanilamides. Bult A, et al. **J Pharm Sci** 1984 Jan; 73(1):133–5

Cross resistance of pyrimethamine and sulfadoxine to their related compounds in Plasmodium falciparum. Tan–ariya P, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar;15(1):7–11

Investigation on a selective non–prostanoic thromboxane antagonist, BM 13.177, in human platelets. Patscheke H, et al. **Thromb Res** 1984 Feb 1;33(3):277–88

[A contribution to the problem of the clinical use of the diuretic Azosemid] Osten J, et al. **Vnitr Lek** 1983 Aug; 29(8):808–13 (Eng. Abstr.) **(Cze)**

[Chloroquine– and fansidar–resistant falciparum malaria treated with minocycline] Ferraroni JJ. **Rev Saude Publica** 1983 Aug;17(4):328–31 (Eng. Abstr.) **(Por)**

[Sensitivity of Prototheca zopfii to antifungal, chemotherapeutic and sulfamide agents] Casal M, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec;25(4):259–62 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Efficacy of a benzenedisulfonamide against experimental Fasciola hepatica infections in calves. Wyckoff JH 3d, et al. **Am J Vet Res** 1983 Nov;44(11):2203–4

Double–blind co–operative trial to compare trimethoprim–sulfalene and co–trimoxazole in the treatment of lower respiratory tract infections. Ferlinz R,

et al. **Arzneimittelforsch** 1983;33(11):1609–12

Falciparum malaria resistant to chloroquine and Fansidar: implications for prophylaxis [letter] Eyre SJ. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):644

Falciparum malaria resistant to chloroquine and fansidar: implications for prophylaxis. Herzog C, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):947–8

Falciparum malaria resistant to chloroquine and Fansidar [letter] Jaatinen M, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):65

Clinical assessment of a trimethoprim–sulfamethopyrazine combination (Kelfiprim) in lower respiratory tract infections. Harazim H, et al. **J Int Med Res** 1983; 11(4):197–204

Prophylaxis of Pneumocystis carinii infection in AIDS with pyrimethamine–sulfadoxine [letter] Gottlieb MS, et al. **Lancet** 1984 Aug 18;2(8399):398–9

Treatment failure of falciparum malaria with Fansidar in Tawau Sabah. January–June, 1982. Tan Heng Soon, et al. **Med J Malaysia** 1983 Sep;38(3):217–23

A multi-centre trial comparing a sulfamethopyrazine/trimethoprim combination with co-trimoxazole in respiratory tract infections. Colombo ML, et al. **Pharmatherapeutica** 1984;3(8):556–65

Suppression of mitogenic lectin-induced blast transformation of human peripheral blood mononuclear cells by pyrimethamine. Gilbreath MJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):743–7

Fansidar resistant Plasmodium falciparum infection in Surinam. Oostburg BF, et al. **Trop Geogr Med** 1983 Sep; 35(3):243–7

Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of poultry: safety and palatability studies. Piercy DW, et al. **Vet Rec** 1984 Jan 21;114(3):60–2

Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of bacterial and coccidial diseases of poultry. White G, et al. **Vet Rec** 1983 Dec 24–31;113(26–27):608–12

[Action of sodium sulfachlorpyrazine (ESB3) on the endogenous development of Eimeria tenella in the experimental infestation of chickens] Penev PM, et al. **Vet Med Nauki** 1983;20(5–6):72–9 (Eng. Abstr.) **(Bul)**

[Congenital toxoplasmosis. Tolerability of the sulfadoxine–pyrimethamine combination. 24 cases] Maisonneuve H, et al. **Presse Med** 1984 Mar 31; 13(14):859–62 (Eng. Abstr.) **(Fre)**

[Chloroquine and pyrimethamine/sulfadoxine resistant malaria tropica in a child with diabetes mellitus] Kroll MH, et al. **Monatsschr Kinderheilkd** 1984 May;132(5):301–2 (Eng. Abstr.) **(Ger)**

[Crohn's disease. Has there been progress in its treatment?] Berenguer J. **Med Clin (Barc)** 1984 Jun 9;83(2):61–4 **(Spa)**

[Treatment of acute sinusal processes of adults with tetracycline and a combination of sulfamethopyrazine–trimethoprim] Otte J, et al. **Rev Med Chil** 1983 Nov;111(11):1157–61 (Eng. Abstr.) **(Spa)**

SULFANILIC ACIDS see under **BENZENESULPHONATES**

SULFANINYLBUTYLUREA see **CARBUTAMIDE**

SULFAPHENAZOLE

PHARMACODYNAMICS

Sulphaphenazole and drug oxidation in man. Back DB, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):460–1

Effect of sulfaphenazole on tolbutamide distribution in rabbits: analysis of interspecies differences in tissue distribution of tolbutamide. Sugita O, et al. **J Pharm Sci** 1984 May;73(5):631–4

SULFAPHENYLPYRAZOL see **SULFAPHENAZOLE**

SULFAPYRIDINE see under **SULFANILAMIDES**

SULFAQUINOXALINE see under **SULFANILAMIDES**

SULFASALAZINE see **SALICYLAZOSULFAPYRIDINE**

SULFATASES

ANALYSIS

Detection of the Sanfilippo D syndrome by the use of a radiolabeled monosaccharide sulfate as the substrate for the estimation of N-acetylglucosamine-6-sulfate sulfatase. Elliott H, et al. **Anal Biochem** 1984 Apr;138(1):205–9

Microheterogeneity of arylsulfatase a: Treatment with hydrolytic enzymes. Sarafian TA, et al. **Biochem Med** 1984 Feb;31(1):80–6

DNA and enzyme studies on chorionic villi for use in antenatal diagnosis. Upadhyaya M, et al. **Clin Chim Acta** 1984 Jun 27;140(1):39–46

Biochemical characterization of arylsulfatases detected in granulomatous inflammation. Higuchi M, et al. **Exp Mol Pathol** 1984 Feb;40(1):70–8

A direct-colouring, metal precipitation method for the demonstration of arylsulphatases A and B. Partanen S. **Histochem J** 1984 May;16(5):501–6

New assay for steroid sulfatase (EC 3.1.6.2) and its application for studies of human placental and skin sulfatase. Rabe T, et al. **J Steroid Biochem** 1984 Feb; 20(2):627–32

Prenatal diagnosis of Hunter syndrome. Archer IM, et al. **Prenat Diagn** 1984 May–Jun;4(3):195–200

ANTAGONISTS & INHIBITORS

Inhibition of rabbit liver arylsulfatase B by phosphate esters. Rao GJ, et al. **Biochim Biophys Acta** 1984 Jul 17; 788(1):58–61

[Horse chestnut inhibits lysosomal enzyme activity—therapeutic success in varicose veins] **Fortschr Med** 1983 Oct 6;101(37):1684 **(Ger)**

BIOSYNTHESIS

Biosynthesis and maturation of arylsulfatase B in normal and mutant cultured human fibroblasts. Steckel F, et al. **J Biol Chem** 1983 Dec 10;258(23):14322–6

BLOOD

Heterozygote detection in Hunter syndrome. Zlotogora J, et al. **Am J Med Genet** 1984 Mar;17(3):661–5

Lysosomal arylsulfatases of human leukocytes: increment of phosphorylated B variants in chronic myelogenous leukemia. Uehara Y, et al. **Cancer Res** 1983 Nov; 43(11):5618–22

Hunter's syndrome: activity of iduronate sulfate sulfatase in the serum of pregnant heterozygotes [letter] Zlotogora J, et al. **N Engl J Med** 1984 Aug 2;311(5):331–2

The activity of arylsulphatases in serum of patients with several bullous diseases. Igarashi M. **Tohoku J Exp Med** 1983 Oct;141(2):247–8

DEFICIENCY

An unusual form of arylsulfatase A deficiency combined with sulfatide–excretion and a normal sulfatide–loading. Tønnesen T, et al. **Acta Paediatr Scand** 1983 Nov; 72(6):837–41

Complementation of multiple sulfatase deficiency in somatic cell hybrids. Fedde K, et al. **Am J Hum Genet** 1984 May; 36(3):623–33

Sulfatase deficiency in the human placenta: clinical findings. Rabe T, et al. **Biol Res Pregnancy Perinatol** 1983; 4(3):95–102

Antenatal detection of placental steroid sulphatase deficiency: use of a dehydroepiandrosterone sulphate loading test. Oakey RE. **Br J Obstet Gynaecol** 1984 Apr;91(4):337–41

Recognising placental steroid sulphatase deficiency [letter] Jöbsis AC, et al. **Br Med J [Clin Res]** 1984 Jan 21; 288(6412):233–4

A simple DHEAS loading test in the antepartum diagnosis of placental sulphatase deficiency. Selby C, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):155–61

Ichthyosis vulgaris with hypogenitalism and hypogonadism: evidence for different genotypes by lipoprotein electrophoresis and steroid sulfatase testing. Traupe H, et al. **Clin Genet** 1984 Jan;25(1):42–51

Arylsulfatase A in pseudodeficiency. Herz B, et al. **Hum Genet** 1984;66(2–3):147–50

Atypical metachromatic leukodystrophy? Problems with the biochemical diagnosis. Tønnesen T, et al. **Hum Genet** 1984; 67(2):170–3

A comparative study of brain arylsulfatases B1 and B2: the difference between the two forms in rates of uptake by multiple sulfatase deficient (MSD) disorder fibroblasts. Kureha Y, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1489–92

Biochemical variability of arylsulphatases -A, -B and -C in cultured fibroblasts from patients with multiple sulphatase deficiency. Chang PL, et al. **J Inherited Metab Dis** 1983; 6(4):167–72

Multiple sulphatase deficiency in homozygotic twins. Nevšímalová S, et al. **J Inherited Metab Dis** 1984;7(1):38–40

Early manifestations of multiple sulfatase deficiency. Burk RD, et al. **J Pediatr** 1984 Apr;104(4):574–8

Ocular features of multiple sulfatase deficiency and a new variant of metachromatic leukodystrophy. Bateman JB, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jul–Aug; 21(4):133–9

Aromatase activity of steroid sulphatase-deficient placentae. Slavakis AP, et al. **J Steroid Biochem** 1983 Nov; 19(5):1599–603

The nature of placental steroid sulphatase deficiency in man. van der Loos CM, et al. **J Steroid Biochem** 1983 Dec; 19(6):1743–6

Steroid sulphatase deficiency associated with testis cancer. Lykkesfeldt G, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1456

Diffuse-disseminated sclerosis combined with partial arylsulfatase A (ASA) deficiency. Mixed heterozygosity of ASA- and pseudo-ASA-deficiency? Peiffer J, et al. **Neuropediatrics** 1984 May;15(2):59–62

Placental steroid sulfatase deficiency: biochemical diagnosis and clinical review. Lykkesfeldt G, et al. **Obstet Gynecol** 1984 Jul;64(1):49–54

Impaired cerebroside sulfate hydrolysis in fibroblasts of sibs with 'pseudo' arylsulfatase A deficiency without metachromatic leukodystrophy. Hreidarsson SJ, et al. **Pediatr Res** 1983 Sep;17(9):701–4

Pseudo arylsulfatase-A deficiency in healthy individuals: genetic and biochemical relationship to metachromatic leukodystrophy. Chang PL, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7323–7

[The enzyme arylsulfatase C and steroid sulfatase as biochemical markers and pathogenetic factors in X-chromosome recessively inherited ichthyosis] Schlenzka K. **Dermatol Monatsschr** 1983;169(10):621–4 (Eng. Abstr.) **(Ger)**

[A case of multiple sulfatase deficiency with fiber type disproportion] Tachi N, et al. **No To Hattatsu** 1984; 16(3):205–9 (Eng. Abstr.) **(Jpn)**

[Cases of multiple sulfatase deficiency in sisters—biopsy findings of the sural nerve] Tachi N, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):9–16 (Eng. Abstr.) **(Jpn)**

GENETICS

Arylsulfatase A variants in patients with alcoholism. Hulyalkar AR, et al. **Alcoholism (NY)** 1984 May–Jun; 8(3):337–41

Assignment of the gene for human arylsulfatase B, ARSB, to chromosome region 5p11——5qter. Fidzianska E, et al. **Cytogenet Cell Genet** 1984;38(2):150–1

Identification of an autosomal locus affecting steroid sulfatase activity among inbred strains of mice. Erickson RP, et al. **Genetics** 1983 Sep;105(1):181–9

Genetic analysis of murine arylsulfatase C and steroid sulfatase. Keinanen BM, et al. **Genetics** 1983 Sep; 105(1):191–206

Genetic complementation in somatic cell hybrids of cerebroside sulfatase activator deficiency and metachromatic leukodystrophy fibroblasts. Kihara H, et al. **Hum Genet** 1984;66(4):300–1

Steroid sulphatase in man: a non inactivated X-locus with partial gene dosage compensation. Lykkesfeldt G, et al. **Hum Genet** 1984;65(4):355–7

A comparative study on steroid sulfatase and arylsulfatase C in fibroblast clones from 45,X/47,XXX and 69,XXY. Vogel W, et al. **Hum Genet** 1984;66(4):367–9

A sensitive and dependable assay for distinguishing hamster and human X-linked steroid sulfatase activity in somatic cell hybrids. Willard HF, et al. **Hum Genet** 1984; 66(2–3):272–5

ISOLATION & PURIFICATION

Isolation and purification of human pulmonary arylsulfatase B by means of chromatofocusing. Inoue H, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):628–30

Isolation and comparison of arylsulfatase A from rat liver and Morris hepatoma 7777. Hess G. **Eur J Biochem** 1983 Oct 3;135(3):505–9

On the identity of arylsulphatase C and steroid sulphatase. Burns G. **Hum Genet** 1983;65(2):189

Human placental steroid sulfatase: purification and properties. Noël H, et al. **J Steroid Biochem** 1983 Nov;19(5):1591–8

[Properties of a bacterial enzyme preparation of alkylsulfatase] Udilova OF, et al. **Prikl Biokhim Mikrobiol** 1983 Nov–Dec;19(6):744–50 (Eng. Abstr.) **(Rus)**

METABOLISM

Soluble arylsulphatases in the rabbit salivary glands. A light and electron microscopy study. Vitaioli L, et al. **Acta Histochem (Jena)** 1983;73(2):193–203

Arylsulphatase activity in human gingival crevicular fluid. Oshrain RL, et al. **Arch Oral Biol** 1984;29(5):399–402

Regulation of arylsulphatase A and sulphogalactolipid turnover by cortisol in myelinogenic cultures of cells dissociated from embryonic mouse brain. Stephens JL, et al. **Biochem J** 1984 May 1;219(3):689–97

Estrone and dehydroepiandrosterone sulfatase activities and plasma estrone sulfate levels in human breast carcinoma. Prost O, et al. **Cancer Res** 1984 Feb;44(2):661–4

Selective depolymerisation of dermatan sulfate: production of radiolabelled substrates for alpha-L-iduronidase, sulfoiduronate sulfatase, and beta-D-glucuronidase. Hopwood JJ, et al. **Carbohydr Res** 1983 Oct 28; 122(2):227–39

Kinetic studies on the formation of estrogens from dehydroepiandrosterone sulfate by human placental microsomes. Gibb W, et al. **Endocrinology** 1984 Jun; 114(6):2323–9

Effect of chlorpromazine in vitro on release of enzymes from lysosomes of the bovine retinal pigment epithelium. Shiono T, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):115–7

A comparative study of brain arylsulfatases B1 and B2: the difference between the two forms in rates of uptake by multiple sulfatase deficient (MSD) disorder fibroblasts. Kureha Y, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1489–92

Dependence on surface pH and surface substrate concentration of activity of microsome-bound arylsulfatase C and the surface charge density in the vicinity of the enzyme. Masamoto K. **J Biochem (Tokyo)** 1984 Mar; 95(3):715–9

A sulfotransferase-sulfatase system in avian oviduct which catalyzes a conversion of UDP-N-acetylgalactosamine 4-sulfate to the 6-sulfate isomer. Otsu K, et al. **J Biol Chem** 1984 May 25;259(10):6403–10

Two populations of acid hydrolase-containing particles in rat epididymis. Mayorga L, et al. **J Cell Physiol** 1983 Oct;

117(1):135–9
Simultaneous determination of norepinephrine, dopamine, 5-hydroxytryptamine and their main metabolites in rat brain using high-performance liquid chromatography with electrochemical detection. Enzymatic hydrolysis of metabolites prior to chromatography. Warnhoff M. **J Chromatogr** 1984 May 11;307(2):271–81
In situ estrogen production via the estrone sulfatase pathway in breast tumors: relative importance versus the aromatase pathway. Santner SJ, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):29–33
A specific ultrastructural stain for arylsulfatase A activity in human cultured fibroblasts. Chang PL, et al. **J Histochem Cytochem** 1984 Jun;32(6):617–24
Biochemical variability of arylsulphatases –A, –B and –C in cultured fibroblasts from patients with multiple sulphatase deficiency. Chang PL, et al. **J Inherited Metab Dis** 1983; 6(4):167–72
Hair root analysis in X-linked ichthyosis. Dancis J, et al. **J Inherited Metab Dis** 1983;6(4):173–7
The iduronate sulphatase activities of cells and tissue fluids from patients with Hunter syndrome and normal controls. Dean MF. **J Inherited Metab Dis** 1983;6(3):108–11
Cytochemistry of myocardial structures related to degenerative processes in spontaneously hypertensive and normotensive rats. Tomanek RJ, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):227–37
Specificity of bile salt sulfatase activity in man, mouse and rat intestinal microflora. Huijghebaert S, et al. **J Steroid Biochem** 1984 Apr;20(4A):907–12
Distribution of estrone sulfatase activity in the intestine of germfree and conventional rats. Huijghebaert SM, et al. **J Steroid Biochem** 1984 May;20(5):1175–9
Estrogen sulfatase and estrogen sulfotransferase in human primary mammary carcinoma. Tseng L, et al. **J Steroid Biochem** 1983 Oct;19(4):1413–7
Prenatal exclusion of metachromatic leukodystrophy by estimation of arylsulphatase A activity in chorion and cultured amniotic fluid cells. Tsvetkova IV, et al. **Prenat Diagn** 1983 Jul;3(3):233–6
Arylsulfatase in natural killer cells: its possible role in cytotoxicity. Zucker-Franklin D, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6977–81
[Purification and characterization of cerebroside sulfatase activator] Mitsuyama T. **Hokkaido Igaku Zasshi** 1983 Sep; 58(5):502–12 (Eng. Abstr.) **(Jpn)**
[Submicroscopic study of adenohypophyseal cells with the hypophysis incubated in a hypertonic solution. II. Differential analysis of the intracellular distribution of arylsulfatase and thiamine pyrophosphatase within a single cell] Khokhlov SE, et al. **Tsitologiia** 1983 Dec; 25(12):1366–9 (Eng. Abstr.) **(Rus)**
[Submicroscopic study of adenohypophyseal cells with the hypophysis incubated in a hypertonic solution. I. The distribution of acid phosphatase, thiamine pyrophosphatase and arylsulfatase activities] Nevorotin AI, et al. **Tsitologiia** 1983 Dec;25(12):1361–5 (Eng. Abstr.) **(Rus)**
[Spatial distribution of thiamine pyrophosphatase and arylsulfatase activities in the area of the Golgi apparatus of the adenohypophyseal secretory cells in the white rat] Nevorotin AI, et al. **Tsitologiia** 1983 Sep;25(9):1073–6 (17 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Purification of boar acrosomal arylsulfatase A and possible role in the penetration of cumulus cells. Dudkiewicz AB. **Biol Reprod** 1984 May;30(4):1005–14

URINE

Urinary glucuronidase and arylsulfatases in identical twins of bladder cancer patients. Paigen B, et al. **Cancer Res** 1984 Aug;44(8):3624–6
Clinical significance of a variant form of urinary arylsulfatase A. Kosugi M, et al. **Jpn J Exp Med** 1983 Apr;53(2):73–6
[Urinary enzyme determination and its clinical significance. B. Enzymes derived from the urogenital system. 3. Arylsulfatase A] Miyatani N, et al. **Rinsho Byori** 1983 Sep; Spec No 56:32–6 **(Jpn)**
[Arylsulfate sulfohydroxylase A (E.C.3.1.6.1.) in bladder urothelial tumors and the semiologic value of other lysosomal hydroxylases] Mayor JJ, et al. **Actas Urol Esp** 1984 Jan-Feb;8(1):11–20 **(Spa)**

SULFATE ADENYLYLTRANSFERASE see under **NUCLEOTIDYLTRANSFERASES**

SULFATES

Circular dichroism and ordered structure of bisnucleoside oligophosphates and their Zn2+ and Mg2+ complexes. Holler E, et al. **Biochemistry** 1983 Oct 11;22(21):4924–33
Effect of zinc sulphate-induced anosmia on estrous cycle of the laboratory mice. Gangrade BK, et al. **Indian J Exp Biol** 1983 Aug;21(8):425–7
Sulfated asparagine-linked sugar chains of hen egg albumin. Yamashita K, et al. **J Biol Chem** 1983 Dec 10; 258(23):14144–7

ADMINISTRATION & DOSAGE

Whole gut lavage for colonoscopy—a comparison between two solutions. Adler M, et al. **Gastrointest Endosc** 1984 Apr;30(2):65–7
The radiation dose to man following the intravenous injection of radiosulphate (Na2(35)SO4). Burke BJ, et al. **Int J Appl Radiat Isot** 1983 Sep;34(9):1139–41
Topical aluminum sulfate for fire ant stings. Bruce S, et al. **Int J Dermatol** 1984 Apr;23(3):211
Supplementary inorganic sulfate and methionine for young turkeys. Potter LM, et al. **Poult Sci** 1983 Dec; 62(12):2398–402
Methionine, cystine, sodium sulfate, and Fermacto-500 supplementation of practical-type diets for young turkeys. Potter LM, et al. **Poult Sci** 1984 May;63(5):987–92

ADVERSE EFFECTS

Effects of Monsel's solution in uterine cervix. Davis JR, et al. **Am J Clin Pathol** 1984 Sep;82(3):332–5
Transepithelial elimination of Monsel's solution-induced granuloma. Goette DK. **J Cutan Pathol** 1984 Apr; 11(2):158–61

ANALYSIS

Third component of complement, immunoglobulin deposition, and leucocyte attachment related to surface sulfate on larval Taenia taeniaeformis. Letonja T, et al. **J Parasitol** 1983 Aug;69(4):637–44
The sulphate content of dermal and urinary glycosaminoglycans in psoriatics with increased excretion and increased dermal content of glycosaminoglycans. Poulsen JH, et al. **Scand J Clin Lab Invest** 1983 May; 43(3):223–5

BLOOD

Increased inorganic sulfate in mother and fetus at parturition: evidence for a fetal-to-maternal gradient. Cole DE, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):596–9
Characterization of anion transport system in trout red blood cell. Romano L, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C330–8
Effect of staphylococcal alpha-hemolysin upon anion transport in the rabbit erythrocyte. Austin JW, et al. **Biochim Biophys Acta** 1984 Jul 25;774(2):247–53
Microassay of plasma sulfate [letter] Cole DE. **Clin Chem** 1984 Aug;30(8):1421–2
Laser nephelometry of serum sulfate [letter] Franceschin A, et al. **Clin Chem** 1984 Aug;30(8):1420–1
Determination of inorganic sulfate in plasma with a centrifugal analyzer. Pascoe PJ, et al. **Clin Chem** 1984 Feb; 30(2):275–7
An ion chromatographic method for the simultaneous determination of inorganic phosphate, bromide, nitrate and sulphate in human serum. de Jong P, et al. **Clin Chim Acta** 1983 Jul 31;132(1):63–71
The effect of ascorbic acid on plasma sulfate conjugated catecholamines after eating bananas. Dunne JW, et al. **Life Sci** 1983 Oct 10;33(15):1511–7
Variations in the sulfation of circulating gastrins in gastrointestinal diseases. Andersen BN, et al. **Scand J Gastroenterol** 1983 May;18(4):565–9

CHEMICAL SYNTHESIS

[A simple method for preparing chromosulfuric or chromonitric acid] Tittelbach-Helmrich W. **Z Med Lab Diagn** 1984;25(1):56–7 **(Ger)**

DIAGNOSTIC USE

Effect of diabetes on in vivo metabolism of [35S]-labeled glomerular basement membrane. Cohen MP, et al. **Diabetes** 1984 Jan;33(1):8–12

ISOLATION & PURIFICATION

Variability and ultrastructural histochemical localization of sulphates in the salivary glands of rodents and Lagomorpha. Bondi AM, et al. **Acta Histochem (Jena)** 1984; 74(1):61–73
Fractionation and isolation of heparan sulfates using poly-L-lysine-Sepharose. Suzuki S, et al. **Anal Biochem** 1984 Feb;137(1):101–5

METABOLISM

Proton-sulfate cotransport: external proton activation of sulfate influx into human red blood cells. Milanick MA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C247–59
Incorporation of inorganic [35S]-sulphate into glycoproteins of rat buccal and palatal minor salivary glands in vivo and in vitro. Green DR, et al. **Arch Oral Biol** 1984;29(5):335–41
Comparison of sulfate metabolism in costal cartilage of normal and 'little' mice. McKern NM. **Aust J Biol Sci** 1983; 36(3):263–70
Sulfate transport in brush border membrane vesicles prepared from human placental syncytiotrophoblast. Cole DE. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):223–9
Sulphate turnover of surface proteoglycans in cultured rat smooth muscle cells. Diehl T, et al. **Biochem Int** 1983 Jan; 6(1):29–41
D-cysteine as a selective precursor for inorganic sulfate in the rat in vivo. Effect of D-cysteine on the sulfation of harmol. Glazenburg EJ, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):625–8
Effect of the brachymorphic trait in mice on xenobiotic sulfate ester formation. Lyman SD, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3345–50
The effect of 3-sulphation and taurine conjugation on the uptake of chenodeoxycholic acid by rat hepatocytes. Bartholomew TC, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):101–9
Differences in the distribution of O-sulphate groups of cell-surface and secreted heparan sulphate produced by human neuroblastoma cells in culture. Hampson IN, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):183–90
Increased sulphation level and altered composition of glycosaminoglycans synthesized by cultured smooth muscle cells in the presence of beta-D-xylosides. Murray E, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):299–308
The anion permeability of vesicles reconstituted with intrinsic proteins from the human erythrocyte membrane. Van Hoogevest P, et al. **Biochim Biophys Acta** 1983 Sep 21; 734(1):1–17
Incorporation of radioactive precursors into glycosaminoglycans by rat muscle fibroblasts exposed to a solubilized rat bone matrix fraction. Anastassiades TP, et al. **Cell Differ** 1983 Dec;13(4):341–8
Glucuronidation and sulfation of p-nitrophenol in isolated rat hepatocyte subpopulations. Effects of phenobarbital and 3-methylcholanthrene pretreatment. Tonda K, et al. **Chem Biol Interact** 1983 Dec;47(3):277–87
Identification of major sulfate conjugates in the metabolism of propranolol in dog and man. Walle T, et al. **Drug Metab Dispos** 1983 Jul-Aug;11(4):344–9
Metabolism of 3,3'-diiodothyronine in rat hepatocytes: interaction of sulfation with deiodination. Otten MH, et al. **Endocrinology** 1984 Sep;115(3):887–94
Stimulation of uridine, leucine, and sulfate incorporation into rat cartilage macromolecules by adenosine 3',5'-monophosphate. Sullivan JN, et al. **Endocrinology** 1984 Aug;115(2):793–800
Differences in the binding of sulfate, selenate and thiosulfate ions to bovine liver rhodanese, and a description of a binding site for ammonium and sodium ions. An X-ray diffraction study. Lijk LJ, et al. **Eur J Biochem** 1984 Jul 16;142(2):399–408
Effects of temperature on anion distribution in perfused rat, guinea-pig and hamster ventricle. Macchia DD, et al. **Experientia** 1983 Nov 15;39(11):1291–3
A sulfate, sulfite and thiosulfate incorporating system in Candida utilis. Alonso A, et al. **Folia Microbiol (Praha)** 1984;29(1):8–13
Sulfation of 1-naphthol in isolated rat hepatocytes. Dependence on inorganic sulfate. Schwarz LR. **Hoppe Seylers Z Physiol Chem** 1984 Jan;365(1):43–8
Cartilage sulfation inhibitors (CSI) in serum and liver of growth hormone-deficient starved rats. Vassilopoulou-Sellin R, et al. **Horm Metab Res** 1984 Mar; 16(3):156
Presence of sulfate in N-glycosidically linked carbohydrate units of calf thyroid plasma membrane glycoproteins. Edge AS, et al. **J Biol Chem** 1984 Apr 25;259(8):4710–3
Biosynthesis of sulphated macromolecules by rabbit lens epithelium. II. Relationship to basement membrane formation. Heathcote JG, et al. **J Cell Biol** 1984 Sep; 99(3):861–9
Biosynthesis of sulphated macromolecules by rabbit lens epithelium. I. Identification of the major macromolecules synthesized by lens epithelial cells in vitro. Heathcote JG, et al. **J Cell Biol** 1984 Sep;99(3):852–60
Transfer of plasma sulfate from blood to rumen. A review. Kandylis K. **J Dairy Sci** 1983 Nov;66(11):2263–70 (48 ref.)
Functional roles of Na+ and H+ in SO2-4 transport by rabbit ileal brush border membrane vesicles. Ahearn GA, et al. **J Membr Biol** 1984;78(3):177–86
Fast-transported glycoproteins and nonglycosylated proteins contain sulfate. Stone GC, et al. **J Neurochem** 1983 Oct; 41(4):1085–9
Depletion of endogenous inorganic sulfate in the mammalian central nervous system by acetaminophen. Morris ME, et al. **J Pharm Sci** 1984 Jun;73(6):853
Sulphation of contraceptive steroids. Khan FS, et al. **J Steroid Biochem** 1983 Nov;19(5):1657–60
Effect of an anti-ulcer agent, 2'-carboxymethoxy-4, 4'-bis (3-methyl-2-butenyloxy) chalcone (SU-88), on the biosynthesis of gastric sulfated mucosubstances in restrained and water-immersed rats. Suwa T, et al. **Jpn J Pharmacol** 1984 Jan;34(1):89–94
Changes in synthetic activity of sulfated mucosubstances in healing process of acetic acid ulcer in rats and effect of anti-ulcer agents. Suwa T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):480–2
Factors influencing sulfation in isolated rat hepatocytes. Sundheimer DW, et al. **Life Sci** 1984 Jan 2;34(1):23–9
Anion permeability of toad skeletal muscle incubated in plasma and ringer solution. Macchia DD, et al. **Muscle Nerve** 1984 Jun;7(5):415–23
The effects of Mendelian mutation on renal sulfate and phosphate transport in man and mouse. Cole DE, et al. **Pediatr Res** 1984 Jan;18(1):25–9
Zinc absorption after oral administration of zinc sulfate. Keyzer JJ, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):252–3
Sulfation and phosphorylation of the neural cell adhesion molecule, N-CAM. Sorkin BC, et al. **Science** 1984 Sep 28; 225(4669):1476–8
Acidic conjugate of phenols in insects; glucoside phosphate and glucoside sulphate derivatives. Ngah WZ, et al.

Xenobiotica 1983 Jun;13(6):383–9
[Characteristics of the sulfate requirement of propionic acid bacteria] Charakhch'ian IA, et al. Mikrobiologiia 1984 Jan–Feb;53(1):38–42 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Inhibition of photosynthetic oxygen evolution in non-vesicular preparations releases Mn2+ into a restricted aqueous compartment. Miller M, et al. Biochem Biophys Res Commun 1984 Feb 29;119(1):168–72
The effects of oxygen solubility and high concentrations of salts on photosynthetic electron transport in chloroplast membranes. Thomasset B, et al. Biochem J 1984 Mar 1; 218(2):539–45
Anion-induced increases in the affinity of colcemid binding to tubulin. Ray K, et al. Eur J Biochem 1984 Aug 1; 142(3):577–81
Activation of the binding of C1q to immune complexes by zinc. Easterbrook-Smith SB. FEBS Lett 1983 Oct 3; 162(1):117–9
Influence of molybdenum and sulfate supplementation and withdrawal of diets containing high copper broiler litter on tissue copper levels in ewes. Olson KJ, et al. J Anim Sci 1984 Jul;59(1):210–6
Protective effect of taurine and zinc on peroxidation-induced damage in photoreceptor outer segments. Pasantes-Morales H, et al. J Neurosci Res 1984;11(3):303–11
Effects of supplemental methionine and potassium sulfate on the choline requirement of the turkey poult. Harms RH, et al. Poult Sci 1984 Jul;63(7):1464–6
Observations with 'Hunyadi János' medicinal water at an obstetric ward. Varga J, et al. Ther Hung 1981;29(3):138–40
[Interaction of the sulfate ion with the active site of succinate dehydrogenase] Kotliar AB, et al. Biokhimiia 1984 Feb; 49(2):179–84 (Eng. Abstr.) (Rus)

POISONING

Toxicosis in cattle from contaminated well water. Hibbs CM, et al. Vet Hum Toxicol 1983 Aug;25(4):253–4

SECRETION

Neural regulation of 35SO4-macromolecule secretion from tracheal glands of ferrets. Borson DB, et al. J Appl Physiol 1984 Aug;57(2):457–66

THERAPEUTIC USE

Effective treatment of Wilson's disease with oral zinc sulphate: two case reports. Hoogenraad TU, et al. Br Med J [Clin Res] 1984 Aug 4;289(6440):273–6
Treatment of Wilson's disease with zinc sulphate [letter] Walshe JM. Br Med J [Clin Res] 1984 Sep 1; 289(6444):558–9
Serum copper & zinc in leprosy & effect of oral zinc therapy. Venkatesan K, et al. Indian J Med Res 1983 Jul;78:37–41
Oral zinc in the trophic ulcers of leprosy [letter] Mathur NK, et al. Int J Lepr 1983 Sep;51(3):410–1
Case of anorexia nervosa responding to zinc sulphate [letter] Bryce-Smith D, et al. Lancet 1984 Aug 11;2(8398):350
Oral zinc in recurrent Erythema Nodosum Leprosum reaction. Mathur NK, et al. Lepr India 1983 Jul; 55(3):547–52
Acrodermatitis enteropathica: (a case report). Hira SK, et al. Med J Zambia 1983 Apr;17(2):61–3
The controversy over zinc sulphate efficacy in rheumatoid and psoriatic arthritis [letter] Cimmino MA, et al. Scand J Rheumatol 1984;13(2):191–2
Principia of cancer therapy. II. Treatment of undermining ulcers complicating radiotherapy of malignancy: role of correction of hypozincemia. Okuyama S, et al. Sci Rep Res Inst Tohoku Univ [Med] 1983 Dec;30(1–4):1–4
[Zinc therapy of alopecia areata] Sönnichsen N, et al. Dermatol Monatsschr 1984;170(7):437–42 (Eng. Abstr.) (Ger)
[Effect of cysteine hydrochloride and sulfate ion on morphological changes in the liver during chronic poisoning with yellow phosphorus] Streliukhina NA. Biull Eksp Biol Med 1984 Jul;97(7):111–5 (Eng. Abstr.) (Rus)
[Effect of the sulfate ion on the course of yellow phosphorus poisoning in an experiment] Lukashev AA, et al. Gig Tr Prof Zabol 1983 Dec;(12):48–50 (Rus)

TOXICITY

Comparative irritant potency of inhaled sulfate aerosols—effects on bronchial mucociliary clearance. Schlesinger RB. Environ Res 1984 Aug;34(2):268–79
Changes induced by manganese in fish testis. Srivastava AK, et al. Experientia 1983 Nov 15;39(11):1309–10
Induction of gene conversion and reverse mutation by manganese sulphate and nickel sulphate in Saccharomyces cerevisiae. Singh I. Mutat Res 1984 Jul;137(1):47–9
Atropine inhibits bone resorption induced by high dose of zinc in rats. Yamaguchi M. Toxicol Lett 1983 Jul; 17(3–4):259–61

URINE

Urinary concentrations of bile acid glucuronides and sulfates in hepatobiliary diseases. Takikawa H, et al. Gastroenterol Jpn 1984 Apr;19(2):104–9

SULFATES, INORGANIC see SULFATES

SULFATES, ORGANIC see SULFURIC ACIDS

SULFATHIAZOLES

ADMINISTRATION & DOSAGE

[Relation between pressure and rolling resistance of sulfaethidole tablets] Miseta M. Pharmazie 1983 Aug; 38(8):567 (Ger)
[The texture and properties of sulfaethidol tablets] Pintye-Hódi K, et al. Pharmazie 1983 Dec;38(12):867–8 (Eng. Abstr.) (Ger)

METABOLISM

Bioavailability of sulfathiazole from flocculated and deflocculated suspensions and its implications. Rambhau D, et al. Indian J Physiol Pharmacol 1983 Jul–Sep; 27(3):217–20

THERAPEUTIC USE

Comparative efficacy of sulfamethazine and sulfathiazole in feed for control of Bordetella bronchiseptica infection in swine. Kobland JD, et al. Am J Vet Res 1984 Apr; 45(4):720–3

SULFATIDES

ESR studies of the dynamics of dipalmitoylglycerophosphocholine–sulfatide model membranes. Cestaro B, et al. Biochem Int 1984 Jan; 8(1):95–104
Electron spin resonance studies on the dynamics of phosphatidylcholine–sulfatide model membranes. Cestaro B, et al. Chem Phys Lipids 1983 Sep;33(3):251–62

ANALYSIS

Determination of peracetylated sulfoglycolipids using the azure A method. Tadano-Aritomi K, et al. J Lipid Res 1983 Oct;24(10):1368–75
Sulfatides in prenatal metachromatic leukodystrophy. Baier W, et al. J Neurochem 1983 Dec;41(6):1766–8
The lipid composition of urodele myelin which lacks hydroxycerebroside and hydroxysulfatide. Ki PF, et al. J Neurochem 1984 Apr;42(4):994–1000
[Features of the metabolism of galacto-, glucocerebrosides and sulfatides in the early period of brain development] Chaeva LS, et al. Nerv Sist 1982;23:133–6 (Rus)

IMMUNOLOGY

Production and characterization of monoclonal antibodies to the myelin glycolipid sulfatide. Hofstetter W, et al. J Neurosci Res 1984;11(4):341–50

ISOLATION & PURIFICATION

Partial synthesis and physical properties of cerebroside sulfate containing palmitic acid or alpha-hydroxy palmitic acid. Koshy KM, et al. Chem Phys Lipids 1983 Dec;34(1):41–53

METABOLISM

An improved procedure for the quantitative determination and characterization of sulfatides in rat kidney and brain by high-performance liquid chromatography. Shimomura K, et al. Biochim Biophys Acta 1983 Nov 1;754(1):93–100
Changes in nervous system glycolipids during metamorphosis of Xenopus laevis. Okamura N, et al. J Biol Chem 1983 Oct 25;258(20):12243–6
[Effect of experimental hyperphenylalaninemia on the metabolism of gluco- and galactocerebrosides and sulfatides] Chaeva LS. Vopr Med Khim 1983 Nov–Dec; 29(6):51–4 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

The role of prekallikrein and high-molecular-weight kininogen in the contact activation of Hageman factor (factor XII) by sulfatides and other agents. España F, et al. J Lab Clin Med 1983 Oct;102(4):487–99
Inhibition of the cerebroside sulphate (sulphatide)-induced contact activation reactions by platelet factor four. Weerasinghe KM, et al. Thromb Res 1984 Mar 15; 33(6):625–31

URINE

An unusual form of arylsulfatase A deficiency combined with sulfatide-excretion and a normal sulfatide-loading. Tønnesen T, et al. Acta Paediatr Scand 1983 Nov; 72(6):837–41

SULFATIDOSIS see LEUKODYSTROPHY, METACHROMATIC

SULFATION FACTOR see SOMATOMEDINS

SULFENIC ACIDS

PHARMACODYNAMICS

Se-Aryl selenenylthiosulphates and S-aryl sulphenylthiosulphates as thiol-blocking reagents. Patarasakulchai N, et al. Biochem J 1984 Aug 1; 221(3):797–801

SULFHEMOGLOBIN

Oxidative and reductive reactions of sulphhaemoglobin with various reagents correlated with changes in quaternary structure of the protein. Tomoda A, et al. Biochem J 1984 Aug 1;221(3):587–91

METABOLISM

Oxido-reductive reactions of sulfhemoglobin with various reagents associated with changes in conformation of the protein. Tomoda A, et al. Biomed Biochim Acta 1983; 42(11–12):S173–4

SULFHEMOGLOBINEMIA

BLOOD

Sulfhemoglobinemia. Clinical and molecular aspects. Park CM, et al. N Engl J Med 1984 Jun 14;310(24):1579–84

SULFHYDRASES see under LYASES

SULFHYDRYL COMPOUNDS

Spin labeling of protein sulfhydryl groups by spin trapping a sulfur radical: application to bovine serum albumin and myosin. Graceffa P. Arch Biochem Biophys 1983 Sep; 225(2):802–8
Thiol-containing peptide-hemin complexes as models of cytochrome P-450. Sakurai H, et al. Biochem Biophys Res Commun 1983 Sep 15;115(2):590–7
Non-enzymatic heme formation in the presence of fatty acids and thiol reductants. Taketani S, et al. Biochim Biophys Acta 1984 Apr 10;798(2):226–30
Stability of the radiopharmaceutical [99mTc]DMSA: study of the ligand exchange reaction with [99Tc]EDTA. Garcia Muñoz M, et al. Int J Appl Radiat Isot 1983 Nov; 34(11):1505–8
Radical reactions in aqueous disulphide–thiol systems. Bonifačić M, et al. Int J Radiat Biol 1984 Jul;46(1):35–45
Chemical modification of Corynebacterium sarcosine oxidase: role of sulfhydryl and histidyl groups. Hayashi S, et al. J Biochem (Tokyo) 1983 Aug;94(2):551–8
Stoichiometric uptake of molecular oxygen and consumption of sulfhydryl groups by neocarzinostatin chromophore bound to DNA. Povirk LF, et al. J Biol Chem 1983 Oct 10;258(19):11763–7
Effects of chemical modification of amino and sulfhydryl groups on the voltage-clamped frog node of Ranvier. Rack M, et al. Pflugers Arch 1984 Apr;400(4):403–8

ANALYSIS

Basic fuchsins and the Schiff–aldehyde reaction. I. Spectral absorption characteristics in solution. Cortelazzo AL, et al. Acta Histochem (Jena) 1983;73(1):121–33
Assay of biological thiols by a combination of high-performance liquid chromatography and postcolumn reaction with 6,6'-dithiodinicotinic acid. Nishiyama J, et al. Anal Biochem 1984 Apr;138(1):95–8
Liquid chromatographic determination of amino and imino acids and thiols by postcolumn derivatization with 4-fluoro-7-nitrobenzo-2,1,3-oxadiazole. Watanabe Y, et al. Anal Chem 1983 Sep;55(11):1786–91
Occurrence of -SH containing molecules on the goat sperm external surface that are essential for flagellar motility. Majumder GC, et al. Andrologia 1984 May–Jun; 16(3):219–23
Relaxation time, interthiol distance, and mechanism of action of ribosomal protein S1. Odom OW, et al. Arch Biochem Biophys 1984 Apr;230(1):178–93
Sulfhydryl groups of the F1 adenosine triphosphatase of Escherichia coli and the stoichiometry of the subunits. Stan-Lotter H, et al. Arch Biochem Biophys 1984 Feb 15; 229(1):320–8
The thiol groups of the Folch-Pi protein from bovine white matter. Exposure, reactivity and significance. Vacher M, et al. Biochem J 1984 Feb 15;218(1):197–202
Vicinal dithiol-disulfide distribution in the Escherichia coli mannitol specific carrier enzyme IImtl. Roossien FF, et al. Biochemistry 1984 Jan 17;23(2):211–5
Modification of sulfhydryl groups of creatine kinase by urate. Madelian V, et al. Clin Biochem 1984 Jun;17(3):173–4
Identification of sulfur groups in the outer plexiform layer of the newt retina. Ball AK, et al. Exp Eye Res 1983 Aug; 37(2):199–208
Selective and reversible inhibition of heart sarcolemmal (Na+ + K+)-ATPase by p-bromophenyl isothiocyanate. Evidence for a sulfhydryl group in the ATP-binding site of the enzyme. Ziegelhöffer A, et al. Gen Physiol Biophys 1983 Dec;2(6):447–56
Blood and brain concentrations of mercaptans in hepatic and methanethiol induced coma. Al Mardini H, et al. Gut 1984 Mar;25(3):284–90
Immunolocalization of human cystatins in neutrophils and lymphocytes. Davies ME, et al. Histochemistry 1984; 80(4):373–7
Levels of sulfhydryls and disulfides in proteins from Neurospora crassa conidia and mycelia. Brody S, et al.

J Bacteriol 1983 Nov;156(2):703-9
Porcine liver aminopeptidase. Further characterization of its sulfhydryl groups. Imamura T, et al.
J Biochem (Tokyo) 1983 Jul;94(1):267-73
Modification of thiol groups of Jack bean urease with diazonium-1H-tetrazole. Sakaguchi K, et al.
J Biochem (Tokyo) 1984 Feb;95(2):535-41
Studies on conformational transitions of Ca2+, Mg2+-adenosine triphosphatase of sarcoplasmic reticulum. I. Selective labeling of functionally distinct sulfhydryl groups with conformational probes and evidence for a Ca2+-dependent conformational change. Yasuoka-Yabe K, et al. J Biochem (Tokyo) 1983 Sep; 94(3):665-75
Evidence from thiol histochemistry for homology between the Tabby-crinkled syndrome in mice and human ectodermal dysplasia. Weeks NL, et al.
J Histochem Cytochem 1983 Dec;31(12):1407-11
Sulfhydryl and disulfide stainings in amyloids of skin-limited and systemic amyloidoses. Mukai H, et al.
J Invest Dermatol 1984 Jan;82(1):4-8
Intracellular content of thiol compounds, thiobarbituric acid reactive substances and gamma-glutamyl transpeptidase in rat brain during anoxia. Pasha KV, et al. Neurosci Lett 1984 May 4;46(2):209-14
The beta-Cys-gamma-Glu thiolester bond in human C3, C4, and alpha 2-macroglobulin. Tack BF.
Springer Semin Immunopathol 1983;6(4):259-82 (82 ref.)
[Highly sensitive detection in high performance liquid chromatography] Imai K. Yakugaku Zasshi 1983 Dec; 103(12):1225-42 (237 ref.) (Eng. Abstr.) (Jpn)
[Mechanisms of photodamage of eye structures. The effect of UV light on soluble lens proteins] Korkhmazian MM, et al. Biofizika 1983 Nov-Dec;28(6):966-71 (Eng. Abstr.) (Rus)
[The study of the chemical composition of nitrogenase Fe-Mo-cofactor by a new fluorimetric method of thiocompound analysis] Syrtsova LA, et al. Biokhimiia 1983 Jul;48(7):1195-202 (Eng. Abstr.) (Rus)

BLOOD

The spin-label approach to labeling membrane protein sulfhydryl groups. Berliner LJ. Ann NY Acad Sci 1983; 414:153-61 (11 ref.)
Cross-linking of SH-groups in the erythrocyte membrane enhances transbilayer reorientation of phospholipids. Evidence for a limited access of phospholipids to the reorientation sites. Bergmann WL, et al.
Biochim Biophys Acta 1984 Jan 25;769(2):390-8
Effect of compounds causing reversible perturbation of the cellular thiol-disulfide status on the aggregation of human blood platelets. Hofmann J, et al. Biomed Biochim Acta 1983;42(5):479-87
A role for sulfhydryl groups in granulocyte aggregation. Kraut EH, et al. Blood 1984 May;63(5):1056-9
Coupling between fatty acid binding and sulfhydryl oxidation in bovine serum albumin. Takabayashi K, et al.
Eur J Biochem 1983 Nov 2;136(2):291-5
The use of thiol-disulphide exchange chromatography for the automated isolation of alpha 1-antitrypsin and other plasma proteins with reactive thiol groups. Laurell CB, et al. J Chromatogr 1983 Nov 11;278(1):53-61
High-performance liquid chromatography and fluorometric detection of biologically important thiols, derivatized with ammonium 7-fluorobenzo-2-oxa-1,3-diazole-4-sulphonate (SBD-F). Toyo'oka T, et al. J Chromatogr 1983 Dec 30;282:495-500
Low sulphydryl levels: a marker of lymphocyte activation? [letter] Grimaldi MG. J Rheumatol 1983 Aug;10(4):669-70
An improved method of determination of SH group concentration and reactivity in plasma of patients with various clinical disorders and in rats after administration of indomethacin or carbon tetrachloride. di Simplicio P. Pharmacol Res Commun 1983 Oct;15(9):805-14
The oxidation of serum sulph-hydryl groups by hydrogen peroxide secreted by stimulated phagocytic cells in rheumatoid arthritis. Hall ND, et al. Rheumatol Int 1984; 4(1):35-8
[Changes in natural immunity in the blood in ankylosing spondylarthritis] Hrnčíř Z, et al. Vnitr Lek 1984 Feb; 30(2):116-24 (Eng. Abstr.) (Cze)
[Possible regulatory importance of cellular sulfhydryl groups and reduction metabolic pathways for the activation of human blood platelets] Till U, et al.
Z Gesamte Inn Med 1984 May 15;39(10):227-32 (Eng. Abstr.) (Ger)
[Clinico-functional characteristics of patients who have sustained a myocardial infarct during the polyclinic stage of rehabilitation] Landysheva IV, et al. Kardiologiia 1984 Apr;24(4):46-9 (Eng. Abstr.) (Rus)
[Sulfhydryl groups in burn-induced anemia] Rozanov VE. Patol Fiziol Eksp Ter 1984 Jan-Feb;(1):38-41 (Eng. Abstr.) (Rus)
[Concentration of immunoreactive insulin and sulfhydryl groups in the serum of pulmonary tuberculosis patients] Ershov AI, et al. Probl Tuberk 1984 May;(5):51-3 (Eng. Abstr.) (Rus)
[Blood concentrations of sulfhydryl groups and ascorbic acid in patients with calculous cholecystitis] Kolibaba SS, et al. Vrach Delo 1983 Jun;(6):84-6 (Rus)

CHEMICAL SYNTHESIS

Synthetic lactam and thiolactone models of protein metastable binding sites. Erickson BW, et al.
Ann NY Acad Sci 1983;421:167-77
Inhibition of metalloendopeptidases by 2-mercaptoacetyl-dipeptides. Blumberg S, et al.
Eur J Biochem 1983 Oct 17;136(1):151-4

DIAGNOSTIC USE

99mTc-DMSA scanning and segmental renal vein renin estimations in children with renal scarring. Dillon MJ, et al. Contrib Nephrol 1984;39:20-7
Reflux nephropathy: the clinical picture in South Brazilian children. Goldraich NP, et al. Contrib Nephrol 1984; 39:52-67
In vivo estimation of renal volume using a rotating gamma camera for 99mTc-dimercaptosuccinic acid renal imaging. Kawamura J, et al. Eur J Nucl Med 1984;9(4):168-72
Low renal uptake of 99mTc-DMSA in patients with proximal tubular dysfunction. van Luyk WH, et al.
Eur J Nucl Med 1983;8(9):404-5
Tc-99m DMSA uptake by metastatic carcinoma of the prostate [letter] Lamki L, et al. J Nucl Med 1984 Jun; 25(6):733-4
A new imaging agent for medullary carcinoma of the thyroid. Ohta H, et al. J Nucl Med 1984 Mar;25(3):323-5
99mTc-aprotinin: comparison with 99mTc-DMSA in normal and diseased kidneys. Aprile C, et al. Nuklearmedizin 1984 Feb;23(1):22-6
[Quantification of separate renal function using Tc 99m DTPA and Tc 99m DMSA. Correlations between individual isotopic data and creatinine clearance] Chevet D, et al. Nephrologie 1984;5(1):21-5 (Eng. Abstr.) (Fre)
[Clinical study concerning upper urinary tract obstruction. 2. Relationship between 99mTc-DMSA uptake in obstructed kidneys and their functions] Murayama T, et al. Hinyokika Kiyo 1983 Nov;29(11):1463-8 (Eng. Abstr.) (Jpn)
[Factors responsible for accumulation of 99mTc-DMSA (99mTc-dimercaptosuccinic acid) in the liver in renal scanning (1)] Higuchi Y, et al. Kaku Igaku 1983 May; 20(4):407-11 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Defective monocyte accessory function due to surface sulphydryl (SH) oxidation in rheumatoid arthritis. McKeown MJ, et al. Clin Exp Immunol 1984 Jun; 56(3):607-13
Sensitization to 2-n-decylaminoethanethiol. Orchard SM, et al. Contact Dermatitis 1984 Apr;10(4):248-9

METABOLISM

Polyacrylamide gels which contain a novel mixed disulfide compound can be used to detect enzymes that catalyze thiol-producing reactions. Harris RB, et al.
Anal Biochem 1983 Oct 1;134(1):126-32
Electrophoresis of reacting systems involving sulfhydryl oxidation of proteins. Cann JR, et al.
Arch Biochem Biophys 1984 Apr;230(1):146-53
myo-Inositol-1-phosphate synthase from pine pollen: sulfhydryl involvement at the active site. Gumber SC, et al. Arch Biochem Biophys 1984 Jun;231(2):372-7
Evidence for a membrane sulfhydryl associated with resistance to melphalan in a murine L1210 leukemia line. Fisher JM, et al. Biochem Biophys Res Commun 1983 Dec 28;117(3):670-6
Possible participation of membrane thiol groups on the mechanism of NAD(P)+-stimulated Ca2+ efflux from mitochondria. Vercesi AE.
Biochem Biophys Res Commun 1984 Feb 29;119(1):305-10
Differences in the uptake of cadmium and mercury by rat hepatocyte primary cultures. Role of a sulfhydryl carrier. Gerson RJ, et al. Biochem Pharmacol 1984 Jan 15; 33(2):199-203
Role of sulfhydryl compounds in the bactericidal effect of metronidazole. Yeung TC, et al. Biochem Pharmacol 1983 Nov 1;32(21):3145-9
Cysteine conjugate beta-lyase and the thiomethyl shunt. Jakoby WB, et al. Biochem Soc Trans 1984 Feb;12(1):33-5
Alterations in thiol and calcium-ion homoeostasis during hydroperoxide and drug metabolism in hepatocytes. Orrenius S, et al. Biochem Soc Trans 1984 Feb;12(1):23-8
Oxidation of reactive sulfhydryl groups of sarcoplasmic reticulum ATPase. Ariki M, et al.
Biochim Biophys Acta 1983 Sep 21;734(1):83-90
The reduction of disulphides by rat liver mitochondria. Jocelyn PC, et al. Biochim Biophys Acta 1984 Feb 14; 797(2):203-11
Thiophosphorylation of (Na + K+)-ATPase yields an ADP-sensitive phosphointermediate. Schuurmans Stekhoven FM, et al. Biochim Biophys Acta 1984 Jul 25; 774(2):277-87
Radiosensitisation of cells in vitro with misonidazole: dependence on endogenous sulphydryl. Walker H, et al. Br J Radiol 1983 Nov;56(671):871-5
The mechanism of cell-mediated cytotoxicity. III. Protease-specific inhibitors preferentially block later events in cytotoxic T lymphocyte-mediated lysis than do inhibitors of methylation or thiol-reactive agents. Redelman D, et al. Cell Immunol 1983 Oct 1;81(1):9-21
Distribution profiles of dehydrogenases and SH-groups in a single skeletal muscle fibre by tridensitometry. Araki T, et al. Cell Mol Biol 1983;29(4):307-10
Interactions of cytostatic unsaturated ketonucleosides with sulfhydryl containing cell constituents. Halmos T, et al. Chem Biol Interact 1983 Aug 15;46(1):11-29
Detection and identification of sulfhydryl conjugates of rho-benzoquinone in microsomal incubations of benzene and phenol. Lunte SM, et al. Chem Biol Interact 1983 Nov; 47(2):195-212
Spindle disturbances in mammalian cells. I. Changes in the quantity of free sulfhydryl groups in relation to survival and C-mitosis in V79 Chinese hamster cells after treatment with colcemid, diamide, carbaryl and methyl mercury. Onfelt A. Chem Biol Interact 1983 Sep 1;46(2):201-17
Methylthiolated metabolites. Tateishi M. Drug Metab Rev 1983;14(6):1207-34 (68 ref.)
Reactivity of the -SH groups of the mitochondrial phosphate carrier under native, solubilized and reconstituted conditions. Hüther FJ, et al. Eur J Biochem 1984 Aug 15; 143(1):79-82
Reactivity of the sulphydryl groups of the mitochondrial phosphate carrier. Ligeti E, et al. Eur J Biochem 1984 Mar 1;139(2):279-85
Ethacrynic acid inhibition of histamine release from rat mast cells: effect on cellular ATP levels and thiol groups. Johansen T. Eur J Pharmacol 1983 Sep 2;92(3-4):181-9
Involvement of sulfhydryl groups in cerebral cortical [3H]clonidine binding in developing rats. Kawai M, et al. Eur J Pharmacol 1983 Aug 5;91(4):449-54
The irreversible alpha-blocker benextramine interacts with two different thiol groups. Melchiorre C, et al.
Farmaco [Sci] 1983 Dec;38(12):950-6
Effect of gamma radiation on enzymatic activity and sulphydryl groups of human erythrocyte membrane. Palecz D, et al. Int J Radiat Biol 1983 Sep;44(3):293-9
Effects of D,L-buthionine-S,R-sulfoximine on cellular thiol levels and the oxygen effect in Chinese hamster V79 cells. Astor MB, et al. Int J Radiat Oncol Biol Phys 1984 Aug; 10(8):1239-42
Roles of thiols in cellular radiosensitivity. Durand RE.
Int J Radiat Oncol Biol Phys 1984 Aug;10(8):1235-8
Effects of cellular non-protein sulfhydryl depletion in radiation induced oncogenic transformation and genotoxicity in mouse C3H 10T1/2 cells. Hei TK, et al.
Int J Radiat Oncol Biol Phys 1984 Aug;10(8):1255-9
Depletion of intracellular GSH and NPSH by buthionine sulfoximine and diethyl maleate: factors that influence enhancement of aerobic radiation response. Varnes ME, et al. Int J Radiat Oncol Biol Phys 1984 Aug;10(8):1229-33
Effects of BSO and DEM on thiol-level and radiosensitivity in HeLa cells. Vos O, et al.
Int J Radiat Oncol Biol Phys 1984 Aug;10(8):1249-53
Metabolism of 4'-phosphopantetheine in Escherichia coli. Jackowski S, et al. J Bacteriol 1984 Apr;158(1):115-20
Disulfide reduction and sulfhydryl uptake by Streptococcus mutans. Thomas EL. J Bacteriol 1984 Jan;157(1):240-6
Turnover of the 4'-phosphopantetheine prosthetic group of acyl carrier protein. Jackowski S, et al. J Biol Chem 1984 Feb 10;259(3):1891-5
Reactions of ferryl lactoperoxidase (compound II) with sulfide and sulfhydryl compounds. Nakamura S, et al.
J Biol Chem 1984 Jun 10;259(11):7080-5
Effect of carbohydrate and metal ion binding on the reactivity of the essential thiol groups of lima bean lectin. Roberts DD, et al. J Biol Chem 1984 Jan 25;259(2):903-8
Free energy relationships for thiol-disulfide interchange reactions between charged molecules in 50% methanol. Snyder GH. J Biol Chem 1984 Jun 25;259(12):7468-72
Pharmacokinetics and mechanism of action of detoxifying low-molecular-weight thiols. Brock N, et al.
J Cancer Res Clin Oncol 1984;108(1):87-97
The thiol-disulfide balance during maturation of Xenopus laevis oocytes. Heidemann SR, et al. J Exp Zool 1984 Jul; 231(1):93-100
Modification of cellular protein sulfhydryl groups by activated soluble immune response suppressor. Aune TM.
J Immunol 1984 Aug;133(2):899-906
A thiol oxidation interpretation of the Cu2+ effects on rat liver mitochondria. Leblondel G, et al.
J Inorg Biochem 1984 Jul;21(3):241-51
The effect of myosin sulphydryl modification on the mechanics of fibre contraction. Crowder MS, et al.
J Muscle Res Cell Motil 1984 Apr;5(2):131-46
A possible role for copper-mediated oxidation of thiols in the regulation of the release of luteinizing hormone releasing hormone from isolated hypothalamic granules. Rice GE, et al. J Neurochem 1983 Dec;41(6):1672-9
Alteration of free sulphydryl content of rat sperm heads by suppression of intratesticular testosterone. Huang HF, et al. J Reprod Fertil 1984 Jan;70(1):31-8
The state of sulphydryl groups in lenses of insulin-induced hypoglycemic rats. Korc I, et al.
Metab Pediatr Syst Ophthalmol 1983;7(2):81-4
Thiopurine methyltransferase. Aromatic thiol substrates and inhibition by benzoic acid derivatives. Woodson LC, et al. Mol Pharmacol 1983 Nov;24(3):471-8
State of sulfhydryl in selenite cataract. David LL, et al.
Toxicol Appl Pharmacol 1984 Jun 15;74(1):109-15
Circadian rhythm in acetaminophen toxicity: role of nonprotein sulfhydryls. Schnell RC, et al.
Toxicol Appl Pharmacol 1983 Dec;71(3):353-61

Activation of monocrotaline, fulvine and their derivatives to toxic pyrroles by some thiols. Juneja TR, et al. **Toxicol Lett** 1984 May;21(2):185–9

Sulfhydryl oxidation in rat nasal mucosal tissues after chlorine inhalation. McNulty MJ, et al. **Toxicol Lett** 1983 Jul;17(3–4):241–6

Disappearance of free SH–groups in hemoglobin of man, rat and rabbit after exposure to alkylating agents in vitro. Neis JM, et al. **Toxicology** 1984 Jun;31(3–4):319–27

Anti–D prozone and membrane sulfhydryl modification. Jameson JT, et al. **Transfusion** 1984 Mar–Apr;24(2):130–5

Tissue thiol induction in mice and protective effect against pyrrolizidine alkaloids by dietary ethoxyquin and methionine hydroxy analog. Kim HL. **Vet Hum Toxicol** 1984 Aug;26(4):314–6

Transient activation of the Ca2+–ATPase from sarcoplasmic reticulum during thiol modification by 5,5'–dithiobis(2–nitrobenzoate). Swoboda G, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):834–44

[Content of SH– and —S—S–groups in the blood and liver homogenates in acute poisoning with tetracycline antibiotics] Skakun NP, et al. **Antibiotiki** 1983 Sep; 28(9):682–6 (Eng. Abstr.) **(Rus)**

[Effect of 2–amino–2–thiazoline on the sulfhydryl group content of yeasts of various degrees of radiosensitivity] Zolotareva LT, et al. **Biol Nauki** 1984;(5):34–6 (Eng. Abstr.) **(Rus)**

[Concentrations of protein sulfhydryl and amino groups in the brain during acute and chronic alcoholic intoxication] Kozlov NB, et al. **Ukr Biokhim Zh** 1983 Jul–Aug; 55(4):437–40 (Eng. Abstr.) **(Rus)**

[Role of the sulfhydryl group in the thiamine pyrophosphokinase activity of the rat liver] Artsukevich IM, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):108–12 (Eng. Abstr.) **(Rus)**

[Characteristics of thiol metabolism in animals in extreme thyroxine loading] Folomeev VF. **Vopr Med Khim** 1984 Jan–Feb;30(1):20–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Properties of latent and thiol–activated rat hepatic 3–hydroxy–3–methylglutaryl–coenzyme A reductase and regulation of enzyme activity. Dotan I, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):401–10

The effect of sulfhydryl compounds on 5–fluorouracil toxicity and distribution. Danysz A, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(3):373–9

L–leucinthiol – a potent inhibitor of leucine aminopeptidase. Chan WW. **Biochem Biophys Res Commun** 1983 Oct 14; 116(1):297–302

Structural requirements of thiol compounds in the inhibition of human liver iodothyronine 5'–deiodinase. Harbottle R, et al. **Biochem J** 1984 Jan 15;217(2):485–91

A monoclonal antibody to human brain–type creatine kinase. Increased avidity with mercaptans. Jackson AP, et al. **Biochem J** 1983 Dec 1;215(3):505–12

Role of thiols, pH and cathepsin D in the lysosomal catabolism of serum albumin. Mego JL. **Biochem J** 1984 Mar 15;218(3):775–83

Inhibition of human liver cathepsin L by alpha 2 cysteine–proteinase inhibitor and the low–Mr cysteine proteinase inhibitor from human serum. Pagano M, et al. **Biochem J** 1984 May 15;220(1):147–55

Metabolic activation of acetylenes. Covalent binding of [1,2–14C]octyne to protein, DNA and haem in vitro and the protective effects of certain thiol compounds. White IN, et al. **Biochem J** 1984 May 15;220(1):85–94

Enhancement of neutrophil response by SH–containing compounds: modulation of superoxide and hydrogen peroxide production. Rajkovic IA, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1249–56

Effects of cysteamine and other thiols on cystine egress from isolated lysosome–rich fractions of cystinotic and normal leucocytes. Steinherz R, et al. **Clin Chim Acta** 1983 Jul 31;132(1):17–22

Arsenic and copper excretion after treatment of arsenic poisoning in rats with heavy–metal antagonists. Maehashi H, et al. **Dev Toxicol Environ Sci** 1983;11:325–8

Thiol–dependent and non–thiol–dependent stimulations of insulin release. Ammon HP, et al. **Diabetes** 1984 Mar; 33(3):251–7

Surface properties of bacterial sulfhydryl–activated cytolytic toxins. Interaction with monomolecular films of phosphatidylcholine and various sterols. Alouf JE, et al. **Eur J Biochem** 1984 May 15;141(1):205–10

Critical role of sulfhydryl group(s) in ATP–dependent Ca2+ sequestration by the plasma membrane fraction from rat liver. Bellomo G, et al. **FEBS Lett** 1983 Oct 31;163(1):136–9

DMSA, DMPS, and DMPA—as arsenic antidotes. Aposhian HV, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 2):S58–70

Role of the adrenal cortex in gastric mucosal protection by prostaglandins, sulfhydryls, and cimetidine in the rat. Szabo S, et al. **Gastroenterology** 1983 Dec;85(6):1384–90

Peptides, sulfhydryls, and glucocorticoids in gastric mucosal defense: coincidence or connection? [editorial] Szabo s. **Gastroenterology** 1984 Jul;87(1):228–9

Effect of pantethine on post–heparin plasma lipolytic activities and adipose tissue lipoprotein lipase in rats. Noma A, et al. **Horm Metab Res** 1984 May;16(5):233–6

A new form of inactive renin in rat brain. A latent renin. Inagaki T, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I137–42

Effects of oxygen and sulphydryl–containing compounds on irradiated transforming DNA. II. Glutathione, cysteine and cysteamine. Held KD, et al. **Int J Radiat Biol** 1984 Jun; 45(6):615–26

Effects of oxygen and sulphydryl–containing compounds on irradiated transforming DNA. III. Reaction rates. Held KD, et al. **Int J Radiat Biol** 1984 Jun;45(6):627–36

Physiological activity of warburganal and its reactivity with sulfhydryl groups. Taniguchi M, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):149–54

Mechanism of selenium–glutathione peroxidase and its inhibition by mercaptocarboxylic acids and other mercaptans. Chaudiere J, et al. **J Biol Chem** 1984 Jan 25; 259(2):1043–50

Activation by thiol of the latent NAD glycohydrolase and ADP–ribosyltransferase activities of Bordetella pertussis toxin (islet–activating protein). Moss J, et al. **J Biol Chem** 1983 Oct 10;258(19):11879–82

Pantethine and cystamine deplete cystine from cystinotic fibroblasts via efflux of cysteamine–cysteine mixed disulfide. Butler JD, et al. **J Clin Invest** 1984 Aug; 74(2):411–6

Effect of hydrogen sulfide and methyl mercaptan on the permeability of oral mucosa. Ng W, et al. **J Dent Res** 1984 Jul;63(7):994–7

Modification of ultraviolet radiation effects on the membrane of myelinated nerve fibers by sulfhydryl compounds. Hof D, et al. **J Membr Biol** 1984;79(1):1–6

Thiol–dependent passive K/Cl transport in sheep red cells: IV. Furosemide inhibition as a function of external Rb+, Na+, and Cl–. Lauf PK. **J Membr Biol** 1984;77(1):57–62

Thiol–dependent collagenolytic activity in culture media of Bacteroides gingivalis. Toda K, et al. **J Periodont Res** 1984 Jul;19(4):372–81

Potentiation by sulphydryl agents of the responses of guinea–pig isolated ileum to various agonists. Fontaine J, et al. **J Pharm Pharmacol** 1984 Jul;36(7):450–3

Effects of methanethiol on erythrocyte membrane stabilization and on Na+,K+–adenosine triphosphatase: relevance to hepatic coma. Ahmed K, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):103–8

Drug protein conjugates—III. Inhibition of the irreversible binding of ethinylestradiol to rat liver microsomal protein by mixed–function oxidase inhibitors, ascorbic acid and thiols. Maggs JL, et al. **J Steroid Biochem** 1983 Sep; 19(3):1273–8

Methylmercury removal in the dog during infusion of 2,3–dimercaptosuccinic acid (DMSA). Kostyniak PJ. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):947–57

Antimicrobial activity of some thiol–containing heterocycles. Ghannoum MA, et al. **Microbios** 1983;37(149–150):151–9

Effects of SH–bearing compounds on the electron spin resonance signal of normal and cancerous tissues. Knock FE, et al. **Physiol Chem Phys** 1982;14(6):561–3

Comparative effects of N,N–disubstituted dithiocarbamates and dimercaptosuccinate on mobilization of methylmercury in mice. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):119–35

The target portion of acetaminophen induced hepatotoxicity in rats: modification by thiol compounds. Hirayama C, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):431–48

An inhibitory effect of sulfhydryl compounds in the assay of rat and mouse thymic terminal deoxynucleotidyl transferase (TdT). Jacobs DL, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):517–20

Effect of thiol chelators on trace metal levels. Tandon SK, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):501–4

Effects of pantethine and its metabolites on fatty acid oxidation in rat liver mitochondria. Morisaki N, et al. **Tohoku J Exp Med** 1983 Sep;141(1):33–9

Effect of pantethine on fatty acid oxidation in microvessels of rat brain. Morisaki N, et al. **Tohoku J Exp Med** 1983 Sep;141(1):41–5

[Radio–protective effect of sulfur–containing methylfuran derivatives and the role of thiols in its realization] Chigareva NG, et al. **Radiobiologiia** 1983 Nov–Dec; 23(6):816–9 (Eng. Abstr.) **(Rus)**

[Changes in the content of the thiol form of the acetylation coenzyme in the liver during administration of vitamin B3–active compounds to intact and locally irradiated animals] Rozanov VA. **Radiobiologiia** 1984 May–Jun; 24(3):353–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Pulse radiolytic study of the interaction of thiols and ascorbate with OH adducts of dGMP and dG: implications for DNA repair processes. O'Neill P. **Radiat Res** 1983 Oct; 96(1):198–210

THERAPEUTIC USE

Controlled evaluation of pantethine, a natural hypolipidemic compound, in patients with different forms of hyperlipoproteinemia. Gaddi A, et al. **Atherosclerosis** 1984 Jan;50(1):73–83

The protective effects of thiol–containing compounds on mercuric chloride–induced acute inhibition of enzymes from mouse kidney. Suzuki S, et al. **Toxicology** 1984 Jan; 29(3):207–20

[Hyperlipidemia, diabetes and atherosclerosis: efficacy of treatment with pantethine] Arsenio L, et al. **Acta Biomed Ateneo Parmense** 1984;55(1):25–42 (Eng. Abstr.) **(Ita)**

[Clinical study of the combination of calcium phosphorylcholine and pantetheine] Ligas B, et al. **Clin Ter** 1983 Sep 30;106(6):441–6 (Eng. Abstr.) **(Ita)**

[Thiol compounds in the combined therapy of prozerin poisonings] Trinus FP, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):67–9 (Eng. Abstr.) **(Rus)**

URINE

Urinary excretion of thiol conjugates of aflatoxin B1 in rats and hamsters. Raj HG, et al. **Cancer Lett** 1984 Mar; 22(2):125–33

Electrophoresis of thiols in cellulose gels. III. Group analysis of urinary thiols. Wroński M. **J Chromatogr** 1984 May 11; 307(2):416–9

Urinary excretion of mercapturates as a biological indicator of exposure to electrophilic agents. Maloňová H, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):319–28

SULFHYDRYL COMPOUNDS ANTAGONISTS see **SULFHYDRYL REAGENTS**

SULFHYDRYL COMPOUNDS INHIBITORS see **SULFHYDRYL REAGENTS**

SULFHYDRYL REAGENTS

Se–Aryl selenenylthiosulphates and S–aryl sulphenylthiosulphates as thiol–blocking reagents. Patarasakulchai N, et al. **Biochem J** 1984 Aug 1; 221(3):797–801

PHARMACODYNAMICS

Passive transport of K+ and Na+ in human red blood cells: sulfhydryl binding agents and furosemide. Wiater LA, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C348–56

Resolution of the effects of sulfhydryl–blocking reagents on hormone– and DNA–binding activities of the chick oviduct progesterone receptor. Coty WA, et al. **Arch Biochem Biophys** 1983 Sep;225(2):748–57

On the mechanism for inactivation of cytochalasin binding activity associated with F–actin and spectrin–band 4.1–actin complex by sulfhydryl reagents. Lin DC, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):244–51

The effects of iodine and thiol–blocking reagents on complement component C2 and on the assembly of the classical–pathway C3 convertase. Kerr MA, et al. **Biochem J** 1984 Apr 15;219(2):391–9

Se–Aryl selenenylthiosulphates and S–aryl sulphenylthiosulphates as thiol–blocking reagents. Patarasakulchai N, et al. **Biochem J** 1984 Aug 1; 221(3):797–801

Inactivation of cholecystokinin receptors in rat pancreatic membranes by sulfhydryl reagents: protection by guanosine 5'–triphosphate (GTP) but not N2,O2–dibutyryl guanosine 3',5'–cyclic monophosphate (dibutyryl cGMP). Chang RS, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2334–5

Inactivation of microsomal NADPH–cytochrome c reductase by sulfhydryl–reactive derivatives of menadione. Talcott RE, et al. **Biochem Pharmacol** 1984 Aug 15; 33(16):2663–8

Sulfhydryl–modifying reagents reversibly inhibit binding of glucocorticoid–receptor complexes to DNA–cellulose. Bodwell JE, et al. **Biochemistry** 1984 Mar 27;23(7):1392–8

Effects of sulfhydryl and other reagents on the diffusional permeability of dog erythrocytes to small solutes. Garrick RA, et al. **Biochim Biophys Acta** 1983 Sep 21;734(1):105–13

Site of red cell cation leak induced by mercurial sulfhydryl reagents. Lukacovic MF, et al. **Biochim Biophys Acta** 1984 May 30;772(3):313–20

Sulfhydryl reagents induce altered spectrin self–association, skeletal instability, and increased thermal sensitivity of red cells. Smith DK, et al. **Blood** 1983 Dec;62(6):1190–6

Inactivation of pig muscle 3–phosphoglycerate kinase by thiol modification depends on reagent size. Dékány K, et al. **Eur J Biochem** 1984 Feb 15;139(1):125–30

Differences in the structural requirements for selective interaction with neutral metalloendopeptidase (enkephalinase) or angiotensin–converting enzyme. Molecular investigation by use of new thiol inhibitors. Fournie–Zaluski MC, et al. **Eur J Biochem** 1984 Mar 1; 139(2):267–74

Effects of guanine nucleotide and sulfhydryl reagent on subpopulations of muscarinic acetylcholine receptors in mammalian hearts: possible evidence for interconversion of super–high and low affinity agonist binding sites. Uchida S, et al. **Eur J Pharmacol** 1984 May 4;100(3–4):291–8

The effect of thiol reagents on GABA transport in rat brain synaptosomes. Troeger MB, et al. **FEBS Lett** 1984 Jun 11; 171(2):303–8

Effect of maleimide derivatives, sulfhydryl reagents, on stimulation of neutrophil superoxide anion generation with concanavalin A. Yamashita T. **FEBS Lett** 1983 Dec 12; 164(2):267–71

The sulfhydryl group microenvironment of lactose synthase from bovine milk. Wong LJ, et al. **Int J Biochem** 1984; 16(8):913–7

Effect of sulfhydryl group modification on the activity of

bovine ferrochelatase. Dailey HA. **J Biol Chem** 1984 Mar 10;259(5):2711–5

Gamma–glutamylcysteine synthetase. Interactions of an essential sulfhydryl group. Seelig GF, et al. **J Biol Chem** 1984 Mar 25;259(6):3534–8

Sulfhydryl groups in receptor binding of thyrotropin–releasing hormone to rat amygdala. Sharif NA, et al. **J Neurochem** 1984 Jan;42(1):209–14

Binding of the chicken oviduct progesterone receptor to steroid affinity resins: resistance to elution with mercurial reagents. Griest RE, et al. **J Steroid Biochem** 1984 Jul; 21(1):29–34

Regulation of opioid receptor binding; possible mechanisms of sulfhydryl groups in the binding site. Niwa M, et al. **Life Sci** 1983;33 Suppl 1:211–4

Uptake and retention of moulting hormones by the integument of crayfishes in vitro. II. Influence of metabolic inhibitors and sulphydryl group inhibitors. Daig K, et al. **Mol Cell Endocrinol** 1983 Sep;32(1):73–9

Influence of sulfhydryl reagents on potassium–stimulated calcium uptake by rat brain synaptosomes. Eason KE, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):503–6

Effect of various compounds on enkephalin hydrolysis by an aminopeptidase from the thermophiles Thermomonospora fusca ATCC 27730 and Thermus thermophilus ATCC 27634. Weiss B, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):149–55

[Effects of sulfhydryl reagents on sodium–calcium exchange system in canine cardiac sarcolemmal vesicles] Hazama S. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):354–62 (Eng. Abstr.) **(Jpn)**

[Role of the sulfhydryl group in the thiamine pyrophosphokinase activity of the rat liver] Artsukevich IM, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):108–12 (Eng. Abstr.) **(Rus)**

TOXICITY

Interactions of cytostatic unsaturated ketonucleosides with sulfhydryl containing cell constituents. Halmos T, et al. **Chem Biol Interact** 1983 Aug 15;46(1):11–29

SULFIDES

A new reagent which may be used to introduce sulfhydryl groups into proteins, and its use in the preparation of conjugates for immunoassay. Duncan RJ, et al. **Anal Biochem** 1983 Jul 1;132(1):68–73

Easy removal of polysulfide maxillary impressions from the mouth. Samant A, et al. **J Prosthet Dent** 1984 Feb;51(2):282

Evaluation of reversible hydrocolloid impression material in a wet field. Stewart GP, et al. **J Prosthet Dent** 1984 Jun; 51(6):797–800

An evaluation of the time–dependent dimensional stability of eleven elastomeric impression materials. Williams PT, et al. **J Prosthet Dent** 1984 Jul;52(1):120–5

CHEMICAL SYNTHESIS

[Preparation and protozoocidal properties of heterocyclic sulfides and sulfones] Jamoulle JC, et al. **Ann Pharm Fr** 1983;41(1):61–8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Use of a paramagnetic substance, colloidal manganese sulfide, as an NMR contrast material in rats. Chilton HM, et al. **J Nucl Med** 1984 May;25(5):604–7

METABOLISM

Inhibition of photosynthetic sulfide oxidation by organic cations. Brune DC, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):755–61

Incorporation of [35S]sulfide into the Fe–S cluster of aconitase. Kennedy MC, et al. **J Biol Chem** 1984 Mar 10; 259(5):3145–51

Reactions of ferryl lactoperoxidase (compound II) with sulfide and sulfhydryl compounds. Nakamura S, et al. **J Biol Chem** 1984 Jun 10;259(11):7080–5

Cytochromes and anaerobic sulfide oxidation in the purple sulfur bacterium Chromatium warmingii. Wermter U, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):960–7

PHARMACODYNAMICS

A comparison between the ease of haemoglobin oxidation and modification by sulphide. Oliver J, et al. **Comp Biochem Physiol [B]** 1983;76(3):579–83

TOXICITY

Physiological effects of an additional stressor on fish exposed to a simulated heavy–metal–containing effluent from a sulfide ore smeltery. Larsson A, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):118–28

SULFINIC ACIDS

PHARMACODYNAMICS

Pharmacology of the excitatory actions of sulphonic and sulphinic amino acids. Mewett KN, et al. **Adv Biochem Psychopharmacol** 1983;37:163–74

SULFINPYRAZONE

ADMINISTRATION & DOSAGE

Aspirin–sulfinpyrazone in prophylaxis of deep venous thrombosis in total hip replacement. Sautter RD, et al. **JAMA** 1983 Nov 18;250(19):2649–54

[Platelet antiaggregants in post–myocardial infarct patients: why, which and in what doses?] Mannucci PM. **G Ital Cardiol** 1983 Nov;13(11):335–9 **(Ita)**

ADVERSE EFFECTS

Sulfinpyrazone: risk for renal insufficiency [letter] Boelaert J, et al. **Arch Intern Med** 1984 Mar;144(3):648–9

Acute renal failure and treatment with sulfinpyrazone. Orlandini G, et al. **Clin Nephrol** 1983 Sep;20(3):161–2

Impairment of renal function in post–myocardial infarct patients treated with sulfinpyrazone [letter] Boelaert J, et al. **Eur J Clin Pharmacol** 1984;26(3):409–10

Drug interactions complicate antiplatelet therapy [letter] Ahmad S. **Geriatrics** 1984 May;39(5):137

Acute renal failure secondary to sulfinpyrazone treatment after myocardial infarction [letter] Docci D, et al. **Nephron** 1984;37(3):213–4

[Acute interstitial nephritis and kidney failure requiring dialysis after sulfinpyrazone therapy] Prior C, et al. **Acta Med Austriaca** 1984;11(2):55–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Analysis of sulfinpyrazone and its metabolites in human plasma and urine by high–performance liquid chromatography. de Vries JX, et al. **J Chromatogr** 1983 Oct 14;277:408–13

Determination of azobenzene and hydrazobenzene in phenylbutazone and sulfinpyrazone products by high–performance liquid chromatography. Matsui F, et al. **J Pharm Sci** 1983 Oct;72(10):1223–4

BLOOD

High–performance liquid chromatographic determination of sulfinpyrazone and its metabolites in plasma. Kuo BS, et al. **Arzneimittelforsch** 1984;34(5):548–50

Plasma levels and pharmacokinetics of sulphinpyrazone in renal impairment during chronic treatment: a case report [letter] Godbillon J, et al. **Br J Clin Pharmacol** 1984 Jul; 18(1):107–8

METABOLISM

Role of the gut flora in the reduction of sulfinpyrazone in humans. Strong HA, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):726–32

The effect of aspirin on the pharmacokinetics of sulfinpyrazone in man. Buchanan MR, et al. **Thromb Res [Suppl]** 1983;4:145–52

PHARMACODYNAMICS

Effects of chronic metoprolol and sulphinpyrazone on human lymphocyte beta–adrenoceptors. De Blasi A, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):45–50

Alteration of monocrotaline pyrrole–induced cardiopulmonary effects in rats by hydrallazine, dexamethasone or sulphinpyrazone. Hilliker KS, et al. **Br J Pharmacol** 1984 Jun;82(2):375–80

Effect of sulfinpyrazone on homocysteine–induced endothelial injury and arteriosclerosis in baboons. Harker LA, et al. **Circ Res** 1983 Dec;53(6):731–9

Determinants of acetaminophen metabolism: effect of inducers and inhibitors of drug metabolism on acetaminophen's metabolic pathways. Miners JO, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):480–6

Effect of single and multiple doses of sulphinpyrazone on antipyrine metabolism and urinary excretion of 6–beta–hydroxycortisol. Staiger C, et al. **Eur J Clin Pharmacol** 1983;25(6):797–801

Inhibition of human platelet cyclo–oxygenase activity by sulfinpyrazone and three of its metabolites. Del Maschio A, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):209–14

Failure of sulphinpyrazone to affect platelet survival in patients with rheumatic heart valvular disease: a double blind study using 75Se–methionine labeled platelets. Fabris F, et al. **Folia Haematol (Leipz)** 1983;110(4):594–601

A pharmacokinetic and platelet function study of the combined administration of metoprolol and sulfinpyrazone to healthy volunteers. Cortellaro M, et al. **Thromb Res** 1984 Apr 1;34(1):65–74

Sulfinpyrazone: relationship between dose, kinetics, plasma concentrations and biological effects. Buchanan MR. **Thromb Res [Suppl]** 1983;4:89–92 (20 ref.)

Mechanisms of action of sulphinpyrazone. Wallis RB. **Thromb Res [Suppl]** 1983;4:31–8 (28 ref.)

[Anti–platelet aggregation therapy in vascular microsurgery: experimental study with sulfinpyrazone] Gaspari A, et al. **Ann Ital Chir** 1983;55(1):89–94 **(Ita)**

[Cardiovascular lesions induced in rats by vitamin D. Possible protective effect of sulfinpyrazone] Giannini SD, et al. **Arq Bras Cardiol** 1983 Sep;41(3):195–8 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Effect of antiplatelet therapy on restenosis after experimental angioplasty. Faxon DP, et al. **Am J Cardiol** 1984 Jun 15; 53(12):72C–76C

Role of platelet–active drugs in coronary artery disease. Sherry S. **Cardiovasc Clin** 1983;14(1):173–89 (57 ref.)

Antiplatelet drugs after acute myocardial infarction [editorial] Mannucci PM. **Ric Clin Lab** 1984 Jan–Mar; 14(1):1–7

Transcoronary platelet thromboxane A2 formation without platelet trapping in patients with coronary stenosis–effect of sulphinpyrazone treatment. Cortellaro M, et al. **Thromb Haemost** 1983 Dec 30;50(4):857–9

[Critical approach to a therapeutic trial in secondary prevention of cerebral ischemic accidents by antiaggregants] Guiraud–Chaumeil B. **Presse Med** 1983 Dec 29;12(48):3045–8 **(Fre)**

SULFISOXAZOLE

ANALYSIS

High pressure liquid chromatographic determination of sulfisoxazole in dosage forms: collaborative study. Roos RW. **J Assoc Off Anal Chem** 1983 Sep;66(5):1182–5

BLOOD

Bilirubin–displacing effect of furosemide and sulfisoxazole. An in vitro and in vivo study in neonatal serum. Cashore WJ, et al. **Dev Pharmacol Ther** 1983;6(4):230–8

METABOLISM

Pharmacokinetics of sulfisoxazole in young and elderly subjects. Boisvert A, et al. **Gerontology** 1984;30(2):125–31

THERAPEUTIC USE

Continuous sulfa prophylaxis for urinary tract infection in renal transplant recipients. Peters C, et al. **Am J Surg** 1983 Nov;146(5):589–93

The bacteriology of recurrent otitis media and the effect of sulfisoxazole chemoprophylaxis. Liston TE, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):20–4

Sulfisoxazole chemoprophylaxis and recurrent otitis media. Liston TE, et al. **West J Med** 1984 Jan;140(1):47–9

[Experimental infections caused by atypical mycobacteria. 6. Experimental Mycobacterium fortuitum infection and trial chemotherapy] Kuze F, et al. **Kekkaku** 1983 Jul; 58(7):385–93 (Eng. Abstr.) **(Jpn)**

SULFITE OXIDASES see under **OXIDOREDUCTASES**

SULFITE REDUCTASES see under **OXIDOREDUCTASES**

SULFITES

Drug residue formation from ronidazole, a 5–nitroimidazole. V. Cysteine adducts formed upon reduction of ronidazole by dithionite or rat liver enzymes in the presence of cysteine. Wislocki PG, et al. **Chem Biol Interact** 1984 Apr; 49(1–2):13–25

The formation of an aluminum–epinephrine complex and its effect on the addition of bisulfite to epinephrine. Milano EA, et al. **J Parenter Sci Technol** 1983 Sep–Oct;37(5):165–9

Attachment of reporter groups to specific, selected cytidine residues in RNA using a bisulfite–catalyzed transamination reaction. Draper DE. **Nucleic Acids Res** 1984 Jan 25; 12(2):989–1002

ADMINISTRATION & DOSAGE

[Problems with the addition of sulfite to infusion solutions] Bässler KH, et al. **Infusionsther Klin Ernahr** 1984 Feb; 11(1):31–4 (Eng. Abstr.) **(Ger)**

[Sodium metabisulfite inhibition of the reaction between isoniazid and streptomycin in solution] Aleksandrova AE, et al. **Probl Tuberk** 1983 Aug;(8):54–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Chronic neurological deficits and Nesacaine–CE—an effect of the anesthetic, 2–chloroprocaine, or the antioxidant, sodium bisulfite? Wang BC, et al. **Anesth Analg** 1984 Apr; 63(4):445–7

Treatment of exposure to chemical personal protection agents [letter] Lee BH, et al. **Ann Emerg Med** 1984 Jun;13(6):487–8

Sulfites in foods and drugs. **FDA Drug Bull** 1983 Aug; 13(2):11–2

Adverse reactions to sulfites in drugs and foods. Settipane GA. **J Am Acad Dermatol** 1984 Jun;10(6):1077–80 (20 ref.)

Dose–dependent bronchospasm from sulfites in isoetharine. Koepke JW, et al. **JAMA** 1984 Jun 8;251(22):2982–3

The ubiquitous sulfites [editorial] Sogn D. **JAMA** 1984 Jun 8;251(22):2986–7

Are sulfite additives really safe? [letter] Huang AS, et al. **N Engl J Med** 1984 Aug 23;311(8):542

Sulfites in medicines [letter] Drew RH, et al. **NC Med J** 1984 Jun;45(6):418–9

Role of acetyl salicylic acid and sodium metabisulfite in chronic childhood asthma. Towns SJ, et al. **Pediatrics** 1984 May;73(5):631–7

[Problems with the addition of sulfite to infusion solutions] Bässler KH, et al. **Infusionsther Klin Ernahr** 1984 Feb; 11(1):31–4 (Eng. Abstr.) **(Ger)**

BLOOD

Identification of plasma proteins containing sulfite-reactive disulfide bonds. Gregory RE, et al. **Chem Biol Interact** 1984 Apr;49(1-2):55-69

METABOLISM

Reduction of bisulfite by the trithionate pathway by cell extracts from Desulfotomaculum nigrificans. Akagi JM. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):530-5
Lactoperoxidase, a dithionite ion dismutase. Ohlsson PI. **Eur J Biochem** 1984 Jul 16;142(2):233-8
A sulfate, sulfite and thiosulfate incorporating system in Candida utilis. Alonso A, et al. **Folia Microbiol (Praha)** 1984;29(1):8-13

PHARMACODYNAMICS

Inhibition of lysosomal phospholipases C and A in rabbit alveolar macrophages, polymorphonuclear leukocytes and rat liver by sodium bisulfite. Eisen D, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):10-7
Survival of Campylobacter jejuni in the presence of bisulfite and different atmospheres. Koidis P, et al. **Eur J Clin Microbiol** 1983 Aug;2(4):384-8
A study of the induction of gene conversion in yeast by sodium bisulphite under radical reaction conditions. Murthy MS, et al. **Food Chem Toxicol** 1983 Aug; 21(4):499-501
Effect of ferrous sulfate, sodium metabisulfite, and sodium pyruvate on survival of Campylobacter jejuni. Chou SP, et al. **J Clin Microbiol** 1983 Oct;18(4):986-7
Attenuation by antioxidants of Na+/K+ ATPase inhibition by toxic concentrations of isoproterenol in cultured rat myocardial cells. Acosta D, et al. **J Mol Cell Cardiol** 1984 Mar;16(3):281-4

TOXICITY

Effects of bisulfite (sulfur dioxide) on DNA synthesis and fidelity by DNA polymerase I. Mallon RG, et al. **Chem Biol Interact** 1983 Aug 15;46(1):101-8
A sulphite oxidase-deficient rat model: reproductive toxicology of sulphite in the female. Dulak L, et al. **Food Chem Toxicol** 1984 Aug;22(8):599-607
Health update on sulfites in food and drugs. Oberste DM. **J Arkansas Med Soc** 1984 Jul;81(2):130-2
Directed mutagenesis with sodium bisulfite. Shortle D, et al. **Methods Enzymol** 1983;100:457-68
Response of the bronchial mucociliary clearance system in rabbits to inhaled sulfite and sulfuric acid aerosols. Chen LC, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):123-31

SULFITES, INORGANIC see SULFITES

SULFITES, ORGANIC see SULFUROUS ACIDS

SULFOBROMOPHTHALEIN

ADMINISTRATION & DOSAGE

Acute pure red cell aplasia following bromosulphonphtalein injection in a patient with non Hodgkin lymphoma. Broccia G, et al. **Haematologica (Pavia)** 1983 Sep-Oct;68(5):680-3
[Comparative study of the danger of extravasation during infusions into the mammary vein or the jugular vein or the jugular vein in cattle (formation of blood clots, drug reflux)] Grottker S. **DTW** 1984 Mar 8;91(3):102-6 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Formation of a metabolite of dibromosulfophthalein (DBSP) in man [letter] Javitt NB. **Eur J Clin Pharmacol** 1983; 25(3):427-8
Pharmacokinetics of the hepatic transport of organic anions: influence of extra- and intracellular binding on hepatic storage of dibromosulfophthalein and interactions with indocyanine green. Meijer DK, et al. **J Pharmacokinet Biopharm** 1984 Feb;12(1):43-65

BLOOD

Bromsulphalein plasma kinetics after obstruction of the common bile duct in rats: curve fitting with a programmable calculator. Ristanović D, et al. **Comput Biol Med** 1983;13(3):245-55
Plasma clearance of sulfobromophthalein and its interaction with hepatic binding proteins in normal and analbuminemic rats: is plasma albumin essential for vectorial transport of organic anions in the liver? Inoue M, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7654-8

DIAGNOSTIC USE

The bromosulphthalein loading test in chronic alcoholic liver diseases. Buzzelli G, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):543-8
Narcotic effects on hepatic disposition of sulfobromophthalein in rats. Hurwitz A, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):68-72
[Clinico-statistical evaluation of the simultaneous clearance of sulfobromophthalein and galactose in chronic liver diseases] Rossi L, et al. **Quad Sclavo Diagn** 1983 Jun; 19(2):271-84 (Eng. Abstr.) **(Ita)**
[Evaluation of the hepatotoxicity of isoniazid using the bromsulphalein test in animal experiments] Litvinov AV, et al. **Probl Tuberk** 1983 Nov;(11):55-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Albumin influences sulfobromophthalein transport by hepatocytes of each acinar zone. Gumucio DL, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):G86-95
Biliary excretion of infused conjugated sulfobromophthalein in sheep heterozygote for the transport defect present in mutant Corriedale sheep. Barnhart JL, et al. **Am J Vet Res** 1983 Dec;44(12):2403-4
Effects of morphine and respiratory depression on sulfobromophthalein disposition in rats. Hurwitz A, et al. **Anesthesiology** 1984 Jun;60(6):537-40
Substrate induction of the biliary excretion of sulfobromophthalein in rats. Fischer E, et al. **Biochem Pharmacol** 1984 May 1;33(9):1557-9
Impairment of hepatic glutathione S-transferase activity as a cause of reduced biliary sulfobromophthalein excretion in clofibrate-treated rats. Foliot A, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2829-34
Acinar heterogeneity in hepatic transport of dibromosulfophthalein and ouabain studied by autoradiography, normal and retrograde perfusions and computer simulation. Groothuis GM, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3069-78
Altered clearance of sulphobromophthalein (BSP) in patients with pancreatic disease. Braganza JM. **Clin Chim Acta** 1984 Apr 13;138(2):163-73
A routine fitting of kinetic data to sums of exponentials with a programmable calculator. Ristanović D, et al. **Comput Biol Med** 1984;14(3):363-76
Hepatocytes of Zones 1 and 3 conjugate sulfobromophthalein with glutathione. Chen EH, et al. **Hepatology** 1984 May-Jun;4(3):467-76
Effect of albumin binding on extraction of sulfobromophthalein by perfused elasmobranch liver: evidence for dissociation-limited uptake. Weisiger RA, et al. **Hepatology** 1984 May-Jun;4(3):492-501
A comparison of the effect of bile salts on maximal hepatic excretion of certain organic anions in the rabbit under urethane and pentobarbitone. Esteller A, et al. **Q J Exp Physiol** 1984 Apr;69(2):227-34
The effect of thioacetamide on sulfobromophthalein and ouabain transport in isolated rat hepatocytes. Brown DJ, et al. **Toxicology** 1984 Aug;32(2):165-76
[Different effects of taurocholate and ursodeoxycholate on the maximal rate of biliary sulfobromophthalein secretion in hamsters] Delage Y, et al. **Gastroenterol Clin Biol** 1983 Aug-Sep;7(8-9):746-9 (Eng. Abstr.) **(Fre)**
[Effect of glycodihydrofusidate, a structural analog of bile salts, on the hepatic transport of bromosulfophthalein in rats] Montet JC, et al. **Gastroenterol Clin Biol** 1983 Oct; 7(10):770-6 (Eng. Abstr.) **(Fre)**

SULFONAMIDES

ADMINISTRATION & DOSAGE

A double-blind study of piretanide in the treatment of hypertension. Dols W, et al. **Curr Med Res Opin** 1983; 8(9):649-58
The use of combinations of trimethoprim and sulphonamides in the treatment of chest infections. Hughes DT. **J Antimicrob Chemother** 1983 Nov;12(5):423-34
[Pharmacotherapeutic aspects of trimethoprim combined with sulfonamides used in cattle] van den Heuvel WC. **Tijdschr Diergeneeskd** 1984 Jun 1;109(11):455-9 (Eng. Abstr.) **(Dut)**

ADVERSE EFFECTS

Cross-sensitivity between sulfonamides and furosemide [letter] Schneiweiss F. **Clin Pharm** 1983 Nov-Dec;2(6):510
Serious adverse reactions with sulfonamides. **FDA Drug Bull** 1984 Apr;14(1):5-6
[Hypercalcemia from altizide. Apropos of a case in a patient with extramembranous glomerulonephritis and renal failure] Caraman PL, et al. **Therapie** 1983 Sep-Oct; 38(5):563-4 **(Fre)**
[Acetylation phenotype in patients with dermatitis medicamentosa] Olszewska Z, et al. **Przegl Dermatol** 1983 Sep-Dec;70(5-6):487-92 (Eng. Abstr.) **(Pol)**

ANALYSIS

Role of anthranilic acid in background levels of sulfonamide in porcine livers when determined by the Tishler method. Parks OW. **J Assoc Off Anal Chem** 1983 Sep;66(5):1226-9
Demonstration of intracellular localization of calmodulin antagonist by wet-mounting radioautography. Ohno S, et al. **J Electron Microsc (Tokyo)** 1983;32(1):1-12
A radioimmunoassay to measure piretanide in human serum and urine. Heptner W, et al. **J Immunoassay** 1984; 5(1-2):13-27
A rapid thin-layer chromatographic screening method for five sulfonamides in animal tissues. Haagsma N, et al. **Vet Q** 1984 Jan;6(1):8-12
[Practical experiences with sulfonamide determination with the trimethoprim plate as an extension of the microbiological inhibitor test] Pollmann H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Mar 1;97(3):89-90 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

[Theoretical studies of the interaction between drugs and receptor models. 4. The sulfonamide inhibitor-human erythrocyte-carboanhydrase C complex] Höltje HD, et al. **Arch Pharm (Weinheim)** 1984 Jun;317(6):506-16 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Structure-activity studies on antihyperlipidemic N-benzoylsulfamates, N-benzylsulfamates, and benzylsulfonamides. Wyrick SD, et al. **J Pharm Sci** 1984 Mar;73(3):374-7
[Some 4-phenylthiopyridine-3-sulfonamides with hypolipemic properties] Delarge J, et al. **Ann Pharm Fr** 1983;41(1):55-60 (Eng. Abstr.) **(Fre)**
[The effect of various 2-phenylamino-3-pyridine carbamoylsulfonamides on blood lipids] Delarge J, et al. **J Pharm Belg** 1983 Nov-Dec;38(6):293-7 (Eng. Abstr.) **(Fre)**
[N-substituted p-fluorobenzene sulfonamides with antimicrobial activity. I] Vigorita MG, et al. **Farmaco [Sci]** 1984 Jun;39(6):514-23 (Eng. Abstr.) **(Ita)**

HISTORY

Landmark perspective. Sulfonamides and meningitis. Scheld WM, et al. **JAMA** 1984 Feb 10;251(6):791-4
Introduction of sulfonamide therapy for gonorrhea. Kampmeier RH. **Sex Transm Dis** 1983 Apr-Jun;10(2):81-4

METABOLISM

Serum and milk concentrations of several sulphonamides and their N4-acetyl metabolites following oral administration to cows. Soback S, et al. **Acta Vet Scand** 1983;24(4):374-83
Dissociation constants for carbonic anhydrase--sulfonamide binding by high-performance liquid chromatography. Osborne WR, et al. **Anal Biochem** 1984 Mar;137(2):302-6
The binding of sulfonamides to horse liver alcohol dehydrogenase. Western A, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):731-8
In vitro and in situ models for the prediction of in vivo absorption behavior of sulfonamides following dissolution. Uekama K, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep; 31(9):3284-91
Renal actions of piretanide and three other 'loop' diuretics. McNabb WR, et al. **Clin Pharmacol Ther** 1984 Mar; 35(3):328-37
Effects of cardiac failure on the pharmacokinetics of the diuretic tizolemide. Beermann B, et al. **Eur Heart J** 1984 Apr;5(4):338-42
Pharmacodynamics and urine pharmacokinetics of three doses of piretanide. Meyer BH, et al. **Eur J Clin Pharmacol** 1983;25(6):783-5
Pharmacokinetic analysis of the level of sulfonamide-trimethoprim combination in calves. Roliński Z, et al. **Pol J Pharmacol Pharm** 1984 Jan-Feb;36(1):35-40

PHARMACODYNAMICS

Carbonic anhydrase: the middle years, 1945-1960, and introduction to pharmacology of sulfonamides. Maren TH. **Ann NY Acad Sci** 1984;429:10-7
The general physiology of reactions catalyzed by carbonic anhydrase and their inhibition by sulfonamides. Maren TH. **Ann NY Acad Sci** 1984;429:568-79
Effects of furosemide, piretanide, and water loading on urinary excretion of cefazolin in humans. Morgant C, et al. **Antimicrob Agents Chemother** 1984 May;25(5):618-21
Agar disk elution method for susceptibility testing of Mycobacterium marinum and Mycobacterium fortuitum complex to sulfonamides and antibiotics. Stone MS, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):486-93
Vascular effects of piretanide. Studies on extrarenal action in several animal models. Klaus E, et al. **Arzneimittelforsch** 1983;33(9):1273-6
Renal effects of piretanide in dogs. Omosu M, et al. **Arzneimittelforsch** 1983;33(9):1277-80
Calmodulin antagonists inhibit formation of platelet-activating factor in stimulated human neutrophils. Billah MM, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):629-35
Effects of calmodulin antagonists on human ovarian cancer cell proliferation in vitro. Kikuchi Y, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):385-92
Divergent pharmacological responses to two calmodulin inhibitors, chlorpromazine and W-7, in rat pancreatic acinar cells. Heisler S, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):309-13
Inhibition of human breast cancer colony formation by anticalmodulin agents: trifluoperazine, W-7, and W-13. Wei JW, et al. **Cancer Chemother Pharmacol** 1983; 11(2):86-90
Potent antitumor promoting activity of N-6-aminohexyl)-5-chloro-1-naphthalenesulfonamide, a calmodulin antagonist, in mouse skin tumor formation induced by 7,12-dimethylbenz[a]anthracene plus teleocidin. Nishino H, et al. **Carcinogenesis** 1984 Feb;5(2):283-5
Kinetic analysis of tolbutamide-sulfonamide interaction in rabbits based on clearance concept. Prediction of species

difference from in vitro plasma protein binding and metabolism. Sugita O, et al. **Drug Metab Dispos** 1984 Jan-Feb;12(1):131-8

Correlation between potency of calmodulin inhibitors and effects on cellular levels and cytotoxic activity of doxorubicin (adriamycin) in resistant P388 mouse leukemia cells. Ganapathi R, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):799-806

Dissemination of streptomycin and sulfonamide resistance by plasmid pBP1 in Escherichia coli. Korfmann G, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):463-8

Interaction between quercetin and Ca2+-calmodulin complex: possible mechanism for anti-tumor-promoting action of the flavonoid. Nishino H, et al. **Gann** 1984 Apr; 75(4):311-6

Enhancement of antibody-independent phagocytosis by N-(6-aminohexyl)-5-chloro-1-naphthalenesulfonamide (W-7). Shimura K, et al. **Immunol Commun** 1983; 12(4):363-74

Antagonism of the cardiac effects of leukotriene C4 by compound SKF 88046: dissociation of effects on contractility and coronary flow. Burke JA, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb;6(1):122-5

Loss of alpha 2-macroglobulin and epidermal growth factor surface binding induced by phenothiazines and naphthalene sulfonamides. DiPaola M, et al. **J Cell Physiol** 1984 Feb; 118(2):193-202

An anticalmodulin drug, W-7, inhibits the voltage-dependent calcium current in Paramecium caudatum. Hennessey TM, et al. **J Exp Biol** 1984 May;110:169-81

Antihyperlipidemic activity of o-chlorobenzylsulfonamide in rodents. Hall IH, et al. **J Pharm Sci** 1984 Mar;73(3):378-81

Structure-activity relationships of sulfonamide drugs and human carbonic anhydrase C: modeling of inhibitor molecules into the receptor site of the enzyme with an interactive computer graphics display. Vedani A, et al. **J Pharm Sci** 1984 Mar;73(3):352-8

Stimulant effects of W-7, a calmodulin-antagonist, on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacobiodyn** 1984 May;7(5):346-9

SK&F 88046: a unique pharmacologic antagonist of bronchoconstriction induced by leukotriene D4, thromboxane and prostaglandins F2 alpha and D2 in vitro. Weichman BM, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):128-32

The effect of 5% mafenide acetate solution on bacterial control in infected rat burns. Murphy RC, et al. **J Trauma** 1983 Oct;23(10):878-81

Effects of W-7 on catecholamine release and 45Ca2+ uptake in cultured adrenal chromaffin cells. Sasakawa N, et al. **Life Sci** 1983 Nov 14;33(20):2017-24

Naphthalenesulfonamides as calmodulin antagonists. Hidaka H, et al. **Methods Enzymol** 1983;102:185-94

Physical structure and genetic expression of the sulfonamide-resistance plasmid pLS80 and its derivatives in Streptococcus pneumoniae and Bacillus subtilis. Lopez P, et al. **MGG** 1984;195(3):403-10

Calmodulin antagonists enhance calcium binding to calmodulin. Inagaki M, et al. **Pharmacology** 1983; 27(3):125-9

The effects of piretanide on catecholamine metabolism, plasma renin activity and serum aldosterone: a double-blind pilot comparison against hydrochlorothiazide in patients with essential hypertension. Verho M, et al. **Pharmatherapeutica** 1984;3(9):595-606

Changes in drug action in growing animals. Simunek J. **Vet Res Commun** 1983 Dec;7(1-4):337-48

[Critical remarks on trimethoprim/sulfonamide combinations in veterinary medicine] Löscher W. **DTW** 1984 Apr 9; 91(4):135-9 (Eng. Abstr.) **(Ger)**

[In vitro resistance of various organisms isolated from urinary tract infections to a trimethoprim-sulfonamide drug combination] Bollmann R, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):439-40 (Eng. Abstr.) **(Ger)**

[Sensitivities of atypical mycobacteria to various drugs. VI. Antibacterial effects of sulfonamides and their combinations in vitro] Sakurai N, et al. **Kekkaku** 1983 Aug;58(8):415-20 (Eng. Abstr.) **(Jpn)**

[Antibiotic consumption and changes in the resistance pattern of Escherichia coli] Kristiansen BE, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1686-8 (Eng. Abstr.) **(Nor)**

[Action of altozar, altozide SR-10 and derivatives of farnesylic and 3,11-dimethyl-2-dodecenoic acids on Rhodnius prolixus Stal. bugs] Kul'kova TA, et al. **Med Parazitol (Mosk)** 1983 Jul-Aug;(4):46-51 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Nimesulide and antibiotics in the treatment of acute urinary tract infections. Pfändner K. **Arzneimittelforsch** 1984; 34(1):77-9

Nimesulide for treatment of acute inflammation of the upper respiratory tract. Nouri ME. **Clin Ther** 1984;6(2):142-50

Nimesulide and antibiotics in the treatment of acute infections of the respiratory tract. Reiner M. **Curr Med Res Opin** 1983;8(7):487-92

Antitumor effect of calmodulin antagonist against MH-134 hepatoma, Ehrlich ascites carcinoma and B-16 melanocarcinoma in mice. Ito H, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1183-4

Comparison of the short-term effects of the loop diuretic piretanide and furosemide in patients with renal insufficiency. Marone C, et al. **Eur J Clin Pharmacol** 1984; 26(4):413-8

A double-blind multicentre study of piretanide and hydrochlorothiazide in patients with essential hypertension. Buckert C, et al. **J Int Med Res** 1984;12(2):81-6

Nimesulide in the treatment of fever: a double-blind, crossover clinical trial. Reiner M, et al. **J Int Med Res** 1984;12(2):102-7

Effects of extracellular calmodulin and calmodulin antagonists on B16 melanoma cell growth. Mac Neil S, et al. **J Invest Dermatol** 1984 Jul;83(1):15-9

[Clinical comparative trial of piretanide and furosemide in patients with advanced renal insufficiency. Drug levels and diuretic potency of single oral doses] Heuer LJ, et al. **Arzneimittelforsch** 1983;33(9):1318-21 (Eng. Abstr.) **(Ger)**

[Chronic cardiac insufficiency. Treatment with a vasoactive diuretic. Effectiveness and tolerance of piretanide (Arelix mite)] Schöpp W. **ZFA (Stuttgart)** 1983 Nov 10; 59(31):1767-72 **(Ger)**

TOXICITY

Construction of a shuttle vector and expression in Streptomyces lividans of the sulfonamide-resistance gene derived from Escherichia coli plasmid pSAS1206. Shareck F, et al. **Can J Microbiol** 1984 Apr;30(4):515-8

Acute toxicity of some silver salts of sulfonamides in mice and the efficacy of penicillamine in silver. Horner HC, et al. **Drug Chem Toxicol** 1983;6(3):267-77

SULFONES

Circular dichroism study of thyroxine-binding globulin derivatized with p-iodophenylsulfonyl chloride. Siegel JS, et al. **Int J Biochem** 1984;16(5):575-7

Osteoinduction within porous polysulfone implants at extraosseous sites using demineralized allogeneic bone matrix. Vandersteenhoven JJ, et al. **J Biomed Mater Res** 1983 Sep;17(5):793-806

Polysulphone membrane mimicking human glomerular basement membrane [letter] Streicher E, et al. **Lancet** 1983 Nov 12;2(8359):1136

ADMINISTRATION & DOSAGE

[Effectiveness of the treatment of experimental destructive pulmonary tuberculosis with antibacterial drugs combined with levamisole and diucifon] Khomenko AG, et al. **Probl Tuberk** 1984 Apr;(4):55-9 (Eng. Abstr.) **(Rus)**

[Effectiveness of levamisole, prodigiozan and diucifon in the treatment of acute pneumonia] Sil'vestrov VP, et al. **Ter Arkh** 1983;55(12):56-61 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Gynecomastia in epileptics treated with phenobarbital, phenytoin and fluoresone: two case reports. Rossi L, et al. **Ital J Neurol Sci** 1983 Jun;4(2):207-10

ANALYSIS

Analytical method for minute amounts of polychlorinated biphenyl methylsulfones from fatty tissue. Haraguchi K, et al. **J Anal Toxicol** 1984 Jul-Aug;8(4):177-81

BLOOD

[Plasma levels of DDS in leprosy patients admitted in the National Sanatorium Oshima Seisho-en] Kubo E, et al. **Nippon Rai Gakkai Zasshi** 1983 Jan-Mar;52(1):29-34 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis and biological activity of some di(nitrothienyl)- and di(acetylaminothienyl)sulfones. Ronsisvalle G, et al. **Farmaco [Sci]** 1983 Nov;38(11):877-83

Uracil, 2,4-dichlorophenol and diphenylether derivatives with antimicrobial activity. Badawi A, et al. **Pharmazie** 1983 Dec;38(12):838-41

[Preparation and protozoocidal properties of heterocyclic sulfides and sulfones] Jamoulle JC, et al. **Ann Pharm Fr** 1983;41(1):61-8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

NMR titration studies of histidine 57 and the [methylene-13C]PMS group in the phenylmethanesulfonyl (PMS) derivative of Streptomyces erythraeus trypsin. Sakiyama F, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1661-9

METABOLISM

Papain hydrolysis of X-phenyl-N-methanesulfonyl glycinates: a quantitative structure-activity relationship and molecular graphics analysis. Carotti A, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):112-25

PHARMACODYNAMICS

Effect of 1.1.1 trifluoro-N-(2-methyl-4-phenyl sulfonyl) methane sulfonamide (Destun 50WP) on rat hepatic microsomal enzymes, aniline hydroxylase and amino-pyrine N-demethylase. Thabrew MI, et al. **Eur J Drug Metab Pharmacokinet** 1983 Oct-Dec;8(4):321-7

Direct photoaffinity labeling of the high affinity nitrendipine-binding site in subcellular membrane fractions isolated from canine myocardium. Campbell KP, et al. **J Biol Chem** 1984 May 10;259(9):5384-7

Dermatitis herpetiformis: effects of sulfones and sulfonamides on neutrophil myeloperoxidase-mediated iodination and cytotoxicity. Kazmierowski JA, et al. **J Clin Immunol** 1984 Jan;4(1):55-64

Measurement of specific antibodies in human intestinal aspirate: effect of the protease inhibitor phenylmethylsulphonyl fluoride. Hohmann A, et al. **J Immunol Methods** 1983 Nov 11;64(1-2):199-204

Differential effect of the serine protease inhibitor phenyl methyl sulfonyl fluoride on cytochemically detectable esterases in human leucocytes and platelets. Dufer J, et al. **Scand J Haematol** 1984 Jan;32(1):25-32

The time course of protection from delayed neurotoxicity induced by tri-o-cresyl phosphate and O,O-diisopropyl phosphorofluoridate by phenyl methyl sulfonyl fluoride in chickens. Carrington CD, et al. **Toxicol Lett** 1983 Sep; 18(3):251-6

Late preventive effects of phenylmethylsulfonyl-fluoride on carbon tetrachloride-induced liver necrosis. de Ferreyra EC, et al. **Toxicol Lett** 1984 May;21(2):173-8

Correlation between alpha-amylase production and sporulation in Bacillus licheniformis CUMC 305 with respect to the effect of some carbohydrates and phenylmethylsulfonyl fluoride treatment. Krishnan T, et al. **Zentralbl Mikrobiol** 1983;138(6):475-85

[Gamma-oxosulfones as aldehyde dehydrogenase inhibitors] Messinger P, et al. **Arch Pharm (Weinheim)** 1983 Aug; 316(8):663-7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Late preventive effects on dimethylnitrosamine, thioacetamide or galactosamine-induced liver necrosis of the inhibitor of proteases, phenylmethylsulfonyl fluoride. de Ferreyra EC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec;42(3):505-8

An electrophysiologic and ultrastructural study of the phenylmethanesulfonyl fluoride protection against a delayed organophosphorus neuropathy. Drakontides AB, et al. **Toxicol Appl Pharmacol** 1983 Sep 30;70(3):411-22

[Clinico-immunologic aspects of patients with chronic obstructive bronchitis. Immunomodulating therapy] Martsinovskiĭ VIu, et al. **Ter Arkh** 1983;55(12):61-4 (Eng. Abstr.) **(Rus)**

[Possible use of diucifon in true eczema] Kubanova AA, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):24-6 (Eng. Abstr.) **(Rus)**

[Effects of diucifon on immunological indicators and dynamics of the cutaneous process in eczema patients] Kubanova AA, et al. **Vestn Dermatol Venerol** 1984 May; (5):13-5 (Eng. Abstr.) **(Rus)**

TOXICITY

Perfluidone, a fluorinated arylalkylsulphonamide carries protons across mitochondrial coupling membrane. Olorunsogo OO, et al. **Dev Toxicol Environ Sci** 1983; 11:345-8

SULFONIC ACIDS

Platelet adhesion onto microcapsule membranes with different degrees of sulfonation. Muramatsu N, et al. **J Biomed Mater Res** 1983 Nov;17(6):959-71

BIOSYNTHESIS

The oxidative generation of sulfonic acid groups in neuromelanin and lipofuscin in the human brain. Barden H. **J Histochem Cytochem** 1984 Mar;32(3):329-36

BLOOD

Identification of plasma proteins containing sulfite-reactive disulfide bonds. Gregory RE, et al. **Chem Biol Interact** 1984 Apr;49(1-2):55-69

CHEMICAL SYNTHESIS

Synthesis and antibacterial activity of 3-acylamino-3-methoxy-2-azetidinone-1-sulfonic acid derivatives. Matsuo T, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2200-8

Structure-activity studies on sulfamate sweetners III: structure-taste relationships for heterosulfamates. Spillane WJ, et al. **J Pharm Sci** 1983 Aug;72(8):852-6

Structure-activity studies on antihyperlipidemic N-benzoylsulfamates, N-benzylsulfamates, and benzylsulfonamides. Wyrick SD, et al. **J Pharm Sci** 1984 Mar;73(3):374-7

[Relation between chemical constitution and sweet taste. XV. Sulfamic acids and sulfur chlorides] de Nardo M, et al. **Farmaco [Sci]** 1984 Feb;39(2):125-32 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Colorimetric assay for monoamine oxidase in tissues using peroxidase and 2,2'-azinodi(3-ethylbenzthiazoline-6-sulfonic acid) as chromogen. Szutowicz A, et al. **Anal Biochem** 1984 Apr; 138(1):86-94

PHARMACODYNAMICS

Pharmacology of the excitatory actions of sulphonic and sulphinic amino acids. Mewett KN, et al. **Adv Biochem Psychopharmacol** 1983;37:163–74

[Relation between chemical constitution and sweet taste. XV. Sulfamic acids and sulfur chlorides] de Nardo M, et al. **Farmaco [Sci]** 1984 Feb;39(2):125–32 (Eng. Abstr.) **(Ita)**

SULFONIUM COMPOUNDS see under ONIUM COMPOUNDS

SULFONYLDIANILINE see DAPSONE

SULFONYLUREA COMPOUNDS

Adsorption of sulfonylureas onto activated charcoal in vitro. Kannisto H, et al. **J Pharm Sci** 1984 Feb;73(2):253–6

Stoichiometry of calcium binding by hypoglycemic sulfonylureas. Deleers M, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov; 42(2):181–201

ADMINISTRATION & DOSAGE

Sulphonylurea in combination with insulin therapy: does it make sense? A review. Kylliästinen M. **Ann Clin Res** 1983; 15 Suppl 37:29–32 (27 ref.)

ADVERSE EFFECTS

Lack of weight gain with gliclazide treatment for 30 months in type II diabetes. Robb GH, et al. **Curr Med Res Opin** 1984;9(1):7–9

Hyponatremia and sulfonylureas [letter] Matz R. **Diabetes Care** 1984 Mar–Apr;7(2):201–2

[Risks of peroral treatment of diabetes] Rybka J. **Vnitr Lek** 1983 Nov;29(11):1114–8 (Eng. Abstr.) **(Cze)**

BLOOD

[Influence of fasting on elimination of sulfonylurea compounds from plasma in rabbits] Tsukiai S, et al. **Yakugaku Zasshi** 1983 Oct;103(10):1077–84 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Hypoglycemic compounds. Sulfanilylurea derivatives containing amino acids and dipeptides. I. Vicentini CB, et al. **Farmaco [Sci]** 1983 Aug;38(8):595–602

Hypoglycemic compounds. Amino acid derivatives of sulfonylurea. II. Vicentini CB, et al. **Farmaco [Sci]** 1983 Sep;38(9):672–8

Synthesis and antidiabetic activity of some sulfonylurea derivatives of 3,4,5–trisubstituted pyrazoles. Soliman R, et al. **J Pharm Sci** 1983 Sep;72(9):1004–7

Synthesis and antidiabetic activity of some sulfonylurea derivatives of 3,5–disubstituted pyrazoles. Soliman R, et al. **J Pharm Sci** 1983 Sep;72(9):999–1004

METABOLISM

Glibenclamide is exceptional among hypoglycaemic sulphonylureas in accumulating progressively in beta–cell–rich pancreatic islets. Hellman B, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):385–90

Clinical pharmacokinetics of sulfonylureas: a brief review. Melander A, et al. **Ann Clin Res** 1983;15 Suppl 37:12–5

Bioavailability of glipizide and its effect on blood glucose and insulin levels in patients with non–insulin–dependent diabetes. Peterson CM, et al. **Diabetes Care** 1982 Sep–Oct; 5(5):497–500

Binding of hypoglycaemic sulphonylureas to an artificial phospholipid bilayer. Deleers M, et al. **Diabetologia** 1984 Jan;26(1):55–9

PHARMACODYNAMICS

The mechanism of sulfonylurea stimulation of insulin release. Hellman B. **Acta Biol Med Ger** 1982;41(12):1211–9

Effect of sulfonylurea on glucose, insulin and C–peptide responses to a meal stimulus in a patient with type 2 diabetes and liver disease. Ahrén B, et al. **Acta Med Scand** 1984;215(5):487–91

Extrapancreatic effects of a sulphonylurea. Decrease in xylose absorption by glipizide in type II diabetics. Kollind M, et al. **Acta Med Scand** 1984;215(5):443–5

Metabolic effects of sulfonylurea drugs. A review. Groop L. **Ann Clin Res** 1983;15 Suppl 37:16–20 (27 ref.)

Drug interactions of gliclazide and other sulfonylureas in protein binding in vitro and in hypoglycemic effect in rats. Fujii T, et al. **Arzneimittelforsch** 1983;33(11):1535–7

Effect of hypoglycemic sulfonylureas on Ca2+ fluxes across lipid bilayers. Gylfe E, et al. **Biochem Med** 1984 Apr; 31(2):246–53

Modulation by a sulfonylurea of insulin–dependent glycogenesis, but not of insulin binding, in cultured rat hepatocytes. Evidence for a postreceptor mechanism of action. Fleig WE, et al. **Diabetes** 1984 Mar;33(3):285–90

Sulfonylureas improve insulin binding and insulin action in non–insulin–dependent diabetes mellitus. Beck–Nielsen H, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:100–5

Oral sulfonylurea agents suppress hepatic glucose production in non–insulin–dependent diabetic individuals. DeFronzo RA, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:72–80

Effects of biguanides and sulfonylureas on insulin receptors in cultured cells. Goldfine ID, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:54–8

The impact of sulfonylurea treatment upon the mechanisms responsible for the insulin resistance in type II diabetes. Kolterman OG, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:81–8 (43 ref.)

Cellular loci of sulfonylurea actions. Lebovitz HE. **Diabetes Care** 1984 May–Jun;7 Suppl 1:67–71 (33 ref.)

Sulfonylurea effects on target tissues for insulin. McCaleb ML, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:42–6

Prolonged sulfonylurea administration decreases insulin resistance and increases insulin secretion in non–insulin–dependent diabetes mellitus: evidence for improved insulin action at a postreceptor site in hepatic as well as extrahepatic tissues. Mandarino LJ, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:89–99

Acute and chronic effects of sulfonylurea drugs on pancreatic islet function in man. Pfeifer MA, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:25–34 (52 ref.)

Extrapancreatic action of the sulphonylurea gliquidone: post–receptor effect on insulin–stimulated glycogen synthesis in rat hepatocytes in primary culture. Rinninger F, et al. **Diabetologia** 1984 Jun;26(6):462–5

Gliclazide. A preliminary review of its pharmacodynamic properties and therapeutic efficacy in diabetes mellitus. Holmes B, et al. **Drugs** 1984 Apr;27(4):301–27 (107 ref.)

Synergistic effect of a tumor–promoting phorbol ester and a hypoglycemic sulfonylurea upon insulin release. Malaisse WJ, et al. **Endocrinology** 1983 Nov;113(5):1870–7

Glipizide increases plasma insulin but not C–peptide level after a standardized breakfast in type 2 diabetic patients. Scheen AJ, et al. **Eur J Clin Pharmacol** 1984;26(4):471–4

Receptor binding sites of hypoglycemic sulfonylureas and related [(acylamino)alkyl]benzoic acids. Brown GR, et al. **J Med Chem** 1984 Jan;27(1):79–81

Effect of gliclazide on prostaglandin I2 formation in normal and streptozotocin–induced diabetic animals. Fujitani B, et al. **Jpn J Pharmacol** 1983 Oct;33(5):965–70

Extrapancreatic action of sulfonylureas: hypoglycemic effects are not dependent on altered insulin binding or inhibition of transglutaminase. Nowak SM, et al. **Metabolism** 1983 Apr;32(4):398–402

Influence of extracellular pH upon the ionic and secretory response to gliclazide in pancreatic islets. Billaudel B, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):139–58

Synergistic effect of hypoglycemic sulfonylureas and negative phospholipids on calcium transport: ionic and conformational aspects. Deleers M, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):407–24

Comparison of the cationic and secretory response of pancreatic islets to gliclazide and/or potassium. Mathias PC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):389–400

[Long–term effect of gliclazide on platelet function in diabetes] Pan CY. **Chung Hua I Hsueh Tsa Chih** 1984 Apr; 64(4):233–5 **(Chi)**

[Derivatives of pyrazole–1–carboxylic acid. VII. Synthesis and hypoglycemic properties of various N–(4–[2–(alkyl–2–pyrazoline–1–carbonamido)–ethyl]–benz Brzozowski Z, et al. **Acta Pol Pharm** 1983;40(2):134–8 (Eng. Abstr.) **(Pol)**

[Mechanism of action of sulfonylureas at the pancreatic and extra–pancreatic levels in prolonged treatment in noninsulin–dependent diabetic patients] Serrano Ríos M, et al. **Rev Clin Esp** 1983 Dec 31;171(6):385–90 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

New perspectives in noninsulin–dependent diabetes mellitus and the role of glipizide in its treatment. Proceedings of a symposium. **Am J Med** 1983 Nov 30;75(5B):1–99

Long–term safety and efficacy of glipizide. Feinglos MN, et al. **Am J Med** 1983 Nov 30;75(5B):60–6

Mechanism of action of the second–generation sulfonylurea glipizide. Lebovitz HE, et al. **Am J Med** 1983 Nov 30; 75(5B):46–54

Clinical pharmacology of glipizide. Melander A, et al. **Am J Med** 1983 Nov 30;75(5B):41–5

Effect of glipizide treatment on various aspects of glucose, insulin, and lipid metabolism in patients with noninsulin–dependent diabetes mellitus. Reaven GM. **Am J Med** 1983 Nov 30;75(5B):8–14

Glipizide: an overview. Shuman CR. **Am J Med** 1983 Nov 30;75(5B):55–9

Plasma HDL in non–insulin–dependent diabetes and the effect of various types of treatment. Shoukry M, et al. **Atherosclerosis** 1983 Dec;49(3):333–8

Effect of middle–term gliclazide treatment on insulin secretion in non–insulin dependent diabetics. Brogard JM, et al. **Curr Med Res Opin** 1984;9(1):56–63

The acute and chronic effects of sulfonylurea therapy in type II diabetic subjects. Kolterman OG, et al. **Diabetes** 1984 Apr;33(4):346–54

Sulfonylureas: background and development of the field. Levine R. **Diabetes Care** 1984 May–Jun;7 Suppl 1:3–7

Non–insulin–dependent diabetes: 10–year outcome in relation to initial response to diet and subsequent sulfonylurea therapy. Sönksen PH, et al. **Diabetes Care** 1984 May–Jun; 7 Suppl 1:59–66

Diabetic control with gliquidone—a short acting sulphonylurea. Borthwick LJ, et al. **Eur J Clin Pharmacol** 1984;26(4):475–9

Oral hypoglycemic agents for treatment of NIDDM. Skillman TG. **Geriatrics** 1984 Sep;39(9):77–8, 80–3, 87

The effect of sulphonylurea therapy on in vivo insulin sensitivity in non–insulin dependent diabetics. Ponchner M, et al. **Horm Metab Res** 1984 Apr;16(4):208

Glyburide and glipizide. **Med Lett Drugs Ther** 1984 Aug 31; 26(669):79–80

Glipizide for reversal of early diabetic microangiopathy [letter] **N Engl J Med** 1984 May 24;310(21):1389–90

Drug–induced reversal of early diabetic microangiopathy. Camerini–Davalos RA, et al. **N Engl J Med** 1983 Dec 22; 309(25):1551–6

Insulin and oral hypoglycemic agents. Price MJ. **Nurs Clin North Am** 1983 Dec;18(4):687–706 (63 ref.)

Gliclazide: a new sulphonylurea [letter] Sullivan JT, et al. **NZ Med J** 1984 Jan 11;97(747):22–3

Improved outlook for diabetics. Recent advances in management. Verdonk CA. **Postgrad Med** 1983 Nov; 74(5):195–210

Effect of chlorpropamide and gliclazide on plasminogen activator activity in vascular walls in patients with maturity onset diabetes. Almér LO. **Thromb Res** 1984 Jul 1; 35(1):19–25

[Preliminary report on 30 cases of non–insulin–dependent diabetes (NIDD) treated with gliclazide] Pan CY. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):426–8 (Eng. Abstr.) **(Chi)**

[Diabetic retinopathy. Effects of gliclazide] Lesobre B. **Journ Annu Diabetol Hotel Dieu** 1983;:275–80 (28 ref.) **(Fre)**

[Metabolic effects of gliclazide in diabetes type II patients. Study with indirect calorimetry] Golay A, et al. **Schweiz Med Wochenschr** 1984 Feb 25;114(8):261–4 (Eng. Abstr.) **(Fre)**

[Insulinotropic effect of diamicron after oral fructose tolerance test in patients with non–insulin–dependent diabetes mellitus] Balabolkin MI, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):8–12 (Eng. Abstr.) **(Rus)**

[Sulfonylureas and diabetes mellitus (editorial)] Ascaso JF. **Med Clin (Barc)** 1983 Sep 17;81(7):302–4 **(Spa)**

[Long–term effects of glipizide at the pancreatic and extra–pancreatic level in non–insulin dependent diabetics] Sánchez MS, et al. **Rev Med Chil** 1984 Feb;112(2):107–14 (Eng. Abstr.) **(Spa)**

TOXICITY

The sulfonylurea herbicide sulfometuron methyl is an extremely potent and selective inhibitor of acetolactate synthase in Salmonella typhimurium. LaRossa RA, et al. **J Biol Chem** 1984 Jul 25;259(14):8753–7

SULFOXIDES

ISOLATION & PURIFICATION

Direct optical resolution of a series of pharmacologically active racemic sulfoxides by high–performance liquid affinity chromatography. Allenmark S, et al. **Anal Biochem** 1984 Feb;136(2):293–7

METABOLISM

The myeloperoxidase–dependent metabolism of leukotrienes C4, D4, and E4 to 6–trans–leukotriene B4 diastereoisomers and the subclass–specific S–diastereoisomeric sulfoxides. Lee CW, et al. **J Biol Chem** 1983 Dec 25;258(24):15004–10

SULFOXYPHENYLPYRAZOLIDIN see SULFINPYRAZONE

SULFUR

Aerosolization of technetium Tc 99m sulfur colloid during preparation. Ponto JA. **Am J Hosp Pharm** 1983 Oct; 40(10):1695–6

The role of Thiobacillus albertis glycocalyx in the adhesion of cells to elemental sulfur. Bryant RD, et al. **Can J Microbiol** 1984 Jan;30(1):81–90

ADVERSE EFFECTS

Irritative contact dermatitis to scabicides as a sort of postscabies dermatitis. Farkaš J. **Derm Beruf Umwelt** 1983; 31(6):189–90

ANALYSIS

Characterization of [4Fe–4S]2+, [4Fe–4Se]2+ and hybrid (S, Se) clusters in Clostridium pasteurianum ferredoxin. A resonance Raman study. Moulis JM, et al. **Biochem J** 1984 May 1;219(3):829–32

The sulphur content of chondrocyte nuclei. Mitchell N, et al. **Histochemistry** 1984;80(1):73–8

The element distribution in ultrathin cryosections of cultivated fibroblast cells. Zierold K, et al. **Histochemistry** 1984;80(4):333–7

Classification of iron–sulfur cores in ferredoxins by 1H nuclear magnetic resonance spectroscopy. Nagayama K, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):893–902

Capillary GC/MS determination of organic sulfur

compounds detected in oyster and mussel caught in the sea as an oil pollution index. Ogata M, et al. **J Chromatogr Sci** 1983 Sep;21(9):420–4

[Analytical ion microscopy, a new approach to the study of iodine and sulfur in the thyroid gland] Larras-Regard E. **C R Seances Acad Sci [III]** 1984;298(9):271–4 (Eng. Abstr.) **(Fre)**

[Localization of iron and sulfur in the lysosomes of thyroid epithelium using electron probe microanalysis and X-ray spectrometry] Larras-Regard E. **C R Soc Biol (Paris)** 1984; 178(2):125–9 (Eng. Abstr.) **(Fre)**

[Identification and distribution of sulfur in Thiobacillus ferrooxidans cells] Gromova LA, et al. **Mikrobiologiia** 1983 May–Jun;52(3):455–60 (Eng. Abstr.) **(Rus)**

[Phenotypic and technological influences of the Lupinus mutabilis (Tarwi) seed on its methionine availability and sulfur content] Oliveros M, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):573–87 (Eng. Abstr.) **(Spa)**

BLOOD

[Sulfur and selenium levels in the blood of patients with rheumatoid arthritis and ankylosing spondylitis] Zielonka E, et al. **Reumatologia** 1982;20(3–4):217–20 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Detection of hepatic metastases: comparison of EOE–13 computed tomography and scintigraphy. Miller DL, et al. **AJR** 1983 Nov;141(5):931–5

Assessment of gastric motility using meal labeled with technetium–99m sulfur colloid. Matolo NM, et al. **Am J Surg** 1983 Dec;146(6):823–6

Radionuclide localization of massive pulmonary hemorrhage. Haponik EF, et al. **Chest** 1984 Aug;86(2):208–12

Loose knee prosthesis. Detection by scintigraphic arthrography. Abdel-Dayem HM, et al. **Clin Nucl Med** 1983 Aug;8(8):355–7

Splenic artery aneurysm diagnosed by Tc–99m abdominal flow study. Abdel-Dayem HM, et al. **Clin Nucl Med** 1984 Jan;9(1):43

Cavo-portal shunting in superior and inferior vena caval obstruction. Desai AG, et al. **Clin Nucl Med** 1983 Aug; 8(8):365–8

Superior visualization of hepatic metastases with Tc–99m disofenin as compared with Tc–99m sulfur colloid. Kochar AS. **Clin Nucl Med** 1984 May;9(5):293

Bleeding from intrahepatic lesion. Levy HA, et al. **Clin Nucl Med** 1984 Feb;9(2):106

Variation of the spleen–liver activity ratio due to a change in position. Makler PT Jr, et al. **Clin Nucl Med** 1984 Feb; 9(2):85–8

Radiocolloid redistribution and multiple splenic infarcts in myelofibrosis. Polga JP, et al. **Clin Nucl Med** 1983 Aug; 8(8):335–6

Unusual distribution of radiocolloid and radiogallium in a case of bile leakage from a T-tube. Rao H, et al. **Clin Nucl Med** 1983 Nov;8(11):554

Splenic rotation to the 'upside down' configuration. Shapiro H, et al. **Clin Nucl Med** 1984 Jun;9(6):361–2

Discordant Tc–99m sulfur colloid and In–113m chloride blood pool images in patients with acute amebic liver abscess. Shih WJ, et al. **Clin Nucl Med** 1983 Jul;8(7):312–4

Radionuclide diagnosis of splenic rupture in infectious mononucleosis. Vezina WC, et al. **Clin Nucl Med** 1984 Jun; 9(6):341–4

Hepatic adenoma. Demonstration of discordant uptake with Tc–99m sulfur colloid and Tc–99m DISIDA. Vincent LM, et al. **Clin Nucl Med** 1984 Jul;9(7):415–4

Sulfur colloid distribution in normal hips. Williams AG Jr, et al. **Clin Nucl Med** 1983 Oct;8(10):490–2

Focal marrow replacement in intervertebral disc space infection. Demonstrated by Tc–99m sulfur colloid imaging. Wiseman J, et al. **Clin Nucl Med** 1984 May;9(5):291–2

Routine studies of swallowed radionuclide transit in paediatrics: experience with 400 patients. Guillet J, et al. **Eur J Nucl Med** 1984;9(2):86–90

Massive splenomegaly with multiple defects in a chronic myelogenous leukemia demonstrated by 99mTc-sulfur colloid scintigraphy. Shih WJ, et al. **Eur J Nucl Med** 1983; 8(11):509–11

Comparison of Tc–99m labeled liver and liver paté as markers for solid–phase gastric emptying. Christian PE, et al. **J Nucl Med** 1984 Mar;25(3):364–6

Intraperitoneal injection of technetium–99m sulfur colloid in visualization of a peritoneo–vaginalis connection. Ducassou D, et al. **J Nucl Med** 1984 Jan;25(1):68–9

Scintigraphic demonstration of tracheo–esophageal fistula. Dunn EK, et al. **J Nucl Med** 1983 Dec;24(12):1151–4

Scintigraphic estimation of arterial and portal blood supplies to the liver. Fleming JS, et al. **J Nucl Med** 1983 Dec; 24(12):1108–13

Re: Normal appearance and reproducibility of liver–spleen studies with Tc–99m sulfur colloid and Tc–99m microalbumin colloid [letter] Green AM. **J Nucl Med** 1983 Oct;24(10):971–2

Diffuse lung uptake of Tc–99m sulfur colloid in infectious mononucleosis [letter] Hammes CS, et al. **J Nucl Med** 1983 Nov;24(11):1083–4

Discordant hepatic uptake between Tc–99m sulfur colloid and Tc–99m DISIDA in hypervitaminosis A. Vincent LM, et al. **J Nucl Med** 1984 Feb;25(2):207–8

Improving the technique of nuclear cystography: the manometric approach. Sfakianakis GN, et al. **J Urol** 1984 Jun;131(6):1061–4

Detection of deep venous thrombosis with Tc–99m sulfur colloid [letter] Maurer AH, et al. **Radiology** 1984 Mar; 150(3):842–3

The detection of gastrointestinal bleeding using nuclear medicine techniques; a local experience and review. Wilson MA, et al. **Wis Med J** 1984 Jan;83(1):15–9

METABOLISM

Oxidation of organosulfur compounds by the microsomal fraction of germinating pea seeds (Pisum sativum). Doerge DR, et al. **Biochem Biophys Res Commun** 1984 Jun 29; 121(3):1001–5

Determination of the metabolic origins of the sulfur and 3'-nitrogen atoms in biotin of Escherichia coli by mass spectrometry. DeMoll E, et al. **Biochemistry** 1984 Jan 31; 23(3):558–62

Content and localization of FMN, Fe–S clusters and nickel in the NAD–linked hydrogenase of Nocardia opaca 1b. Schneider K, et al. **Eur J Biochem** 1984 Jul 2;142(1):75–84

Electron spin relaxation of CuA and cytochrome a in cytochrome c oxidase. Comparison to heme, copper, and sulfur radical complexes. Brudvig GW, et al. **J Biol Chem** 1984 Sep 10;259(17):11001–9

[35S]autoradiographic study of sulfated GAG accumulation and turnover in embryonic mouse tooth germs. Lau EC, et al. **J Craniofac Genet Dev Biol** 1983;3(2):117–31

Mutations affecting the sulphur assimilation pathway in Aspergillus nidulans: their effect on sulphur amino acid metabolism. Paszewski A, et al. **J Gen Microbiol** 1984 May; 130 (Pt 5):1113–21

The effect of exercise on the deposition of an inhaled aerosol. Morgan WK, et al. **Respir Physiol** 1984 Jun;56(3):327–38

[Nature of the sulfur–containing component and its function in Thiobacillus ferrooxidans] Karavaĭko GI, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):559–62 (Eng. Abstr.) **(Rus)**

[Utilization of different sulfur sources by propionic acid bacteria] Vorob'eva LI, et al. **Mikrobiologiia** 1983 Nov–Dec;52(6):875–9 (Eng. Abstr.) **(Rus)**

[Utilization and transformation of sulfur–containing compounds by hens] Lagodiuk PZ, et al. **Prikl Biokhim Mikrobiol** 1984 Mar–Apr;20(2):260–6 (Eng. Abstr.) **(Rus)**

[35S incorporation into the mandibular bone during the course of the healing process in fractures in rats] Sumarokov DD, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):49–51 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Binding of ligands to the catalytic zinc ion in horse liver alcohol dehydrogenase. Syvertsen C, et al. **Arch Biochem Biophys** 1984 Jan;228(1):159–69

Sulfur specifically inhibits adenylate kinase in assays for creatine kinase. Russell PJ, et al. **Clin Chem** 1984 Sep; 30(9):1555–7

Initiation of meiosis and sporulation of Saccharomyces cerevisiae by sulfur or guanine deprivation. Freese EB, et al. **Dev Biol** 1984 Apr;102(2):438–51

[The effect of vaporization with thermal sulfurous water on phospholipids in the broncho–alveolar lavage solution following hypobaric hypoxia in the rat] Prévost MC, et al. **Arch Int Physiol Biochim** 1983 Sep;91(3):197–203 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Attempted prevention and treatment of Geigeria filifolia Mattf. poisoning (vermeersiekte) in sheep. Joubert JP. **J S Afr Vet Assoc** 1983 Dec;54(4):255–8

URINE

Indican, ethereal and other forms of S eliminated in 24 hours urine by elderly Indian subjects. Joshi SV, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):200–2

Purge and trap flame photometric gas chromatography technique for the speciation of trace organotin and organosulfur compounds in a human urine standard reference material (SRM). Olson GJ, et al. **Int J Environ Anal Chem** 1983;15(4):249–61

SULFUR AMINO ACIDS see AMINO ACIDS, SULFUR

SULFUR DIOXIDE

ADMINISTRATION & DOSAGE

Neurochemical changes by inhalation of environmental pollutants sulfur dioxide and hydrogen sulfide: degradation of total lipids, elevation of lipid peroxidation and enzyme activity in discrete regions of the guinea pig brain and spinal cord. Haider SS, et al. **Ind Health** 1984;22(1):23–31

[Changes in various indicators of lipid metabolism during isolated and combined exposure to hydrogen fluoride, sulfur dioxide and hydrogen sulfide in various concentrations] Altbaev TKh. **Gig Tr Prof Zabol** 1984 Jun; (6):16–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effect of exercise rate and route of inhalation on sulfur–dioxide–induced bronchoconstriction in asthmatic subjects. Bethel RA, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):592–6

Sulfur dioxide–induced bronchoconstriction in freely breathing, exercising, asthmatic subjects. Bethel RA, et al. **Am Rev Respir Dis** 1983 Dec;128(6):987–90

Long–term effects of exposure to sulfur dioxide [letter] Byatt CM, et al. **Am Rev Respir Dis** 1984 Jul;130(1):147

Long–term effects of exposure to sulfur dioxide. Lung function four years after a pyrite dust explosion. Härkönen H, et al. **Am Rev Respir Dis** 1983 Nov;128(5):890–3

Comparative effects of sulfur dioxide exposures at 5 degrees C and 22 degrees C in exercising asthmatics. Linn WS, et al. **Am Rev Respir Dis** 1984 Feb;129(2):234–9

Magnitude of the interaction between the bronchomotor effects of sulfur dioxide and those of dry (cold) air. Sheppard D, et al. **Am Rev Respir Dis** 1984 Jul;130(1):52–5

Airway effects of low concentrations of sulfur dioxide: dose–response characteristics. Schachter EN, et al. **Arch Environ Health** 1984 Jan–Feb;39(1):34–42

Dose considerations in the SO2–exposed exercising asthmatic. Colucci AV, et al. **Environ Health Perspect** 1983 Oct;52:221–32

Controlled clinical studies of air pollutant exposure: evaluating scientific information in relation to air quality standards. Hackney JD, et al. **Environ Health Perspect** 1983 Oct;52:187–91

Current toxicological information as the basis for sulfur oxide standards. Mehlman MA. **Environ Health Perspect** 1983 Oct;52:261–6

Time course of exercise–induced bronchoconstriction in asthmatics exposed to sulfur dioxide. Hackney JD, et al. **Environ Res** 1984 Aug;34(2):321–7

Sulfur dioxide and exercise: relationships between response and absorption in upper airways. Kleinman MT. **J Air Pollut Control Assoc** 1984 Jan;34(1):32–7

Interaction of sulfur dioxide and dry cold air in causing bronchoconstriction in asthmatic subjects. Bethel RA, et al. **J Appl Physiol** 1984 Aug;57(2):419–23

Sulfur dioxide exposure in Portland cement plants. **MMWR** 1984 Apr 13;33(14):195–6

[Effect of environmental pollution on the human respiratory system] Nikodemowicz E. **Folia Med Cracov** 1982–83; 24(3–4):173–80 (Eng. Abstr.) **(Pol)**

[Correlations between the aerosanitary conditions and the number of deaths from selected disease entities and groups] Powroźnik M, et al. **Folia Med Cracov** 1982–83; 24(3–4):211–20 (Eng. Abstr.) **(Pol)**

[Evaluation of the state of the respiratory tract of power plant overhaul workers] Pierzchała W, et al. **Pneumonol Pol** 1983 Jun;51(6):347–52 (Eng. Abstr.) **(Pol)**

ANALYSIS

A tube diffusion dosimeter for sulfur dioxide. Coleman SR. **Am Ind Hyg Assoc J** 1983 Sep;44(9):631–7

Laboratory and field comparison of three methods for monitoring sulfur dioxide in air. Kring EV, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):929–36

Presence of sulfur dioxide in commonly used bronchodilator solutions. Koepke JW, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):504–8

[Studies of the vertical structure of SO2 emission load using measurements at a high–rise building] Zimmermann U, et al. **Z Gesamte Hyg** 1983 Dec;29(12):754–7 (Eng. Abstr.) **(Ger)**

[Studies of SO2 adsorption using air sampling hoses made of different materials] Kherrman G, et al. **Gig Sanit** 1984 Apr;(4):57–9 **(Rus)**

ANTAGONISTS & INHIBITORS

[Study of the protective effects of phenobarbital and aminopyrine in a toxicologic experiment] Gichev IuP, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):55–7 **(Rus)**

DIAGNOSTIC USE

Airway receptors in cough. Sant'Ambrogio G, et al. **Bull Eur Physiopathol Respir** 1984 Jan–Feb;20(1):43–7

IMMUNOLOGY

Effects of subchronic exposure to a mixture of O3, SO2, and (NH4)2SO4 on host defenses of mice. Aranyi C, et al. **J Toxicol Environ Health** 1983 Jul;12(1):55–71

PHARMACODYNAMICS

Effect of SO2 exposure on nasal mucociliary clearance in intact chickens. Ukai K, et al. **Auris Nasus Larynx** 1983; 10(2):97–107

Modulation of sulfur dioxide–induced airways hyperresponsiveness in the conscious dog. Lewis AJ, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):188–90

Effects of sulfur dioxide and formaldehyde on particle clearance in the rat. Mannix RC, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):429–40

The effect of sulfur dioxide on the response of rabbits to expiratory loads. Davenport PW, et al. **Respir Physiol** 1984 Jun;56(3):359–68

[Bronchoconstriction and hypersecretion following sulfur

dioxide--a laryngeal reflex?] Hahn HL, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:666-9 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Effect of infection and SO2 exposure on nasal and paranasal mucociliary clearance in intact chickens. Ukai K, et al. **Arch Otorhinolaryngol** 1984;239(1):1-6

POISONING

Acute occupational exposure to sulfur dioxide--Missouri. **MMWR** 1983 Oct 21;32(41):541-2

TOXICITY

Sulfur dioxide and ammonium sulfate effects on pulmonary function and bronchial reactivity in human subjects. Kulle TJ, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):156-61

Terrestriality in the cyprinodontid fish Rivulus marmoratus: potential utility in H2S and other bioassays. Abel DC. **Bull Environ Contam Toxicol** 1984 Jul;33(1):33-9

Effects of bisulfite (sulfur dioxide) on DNA synthesis and fidelity by DNA polymerase I. Mallon RG, et al. **Chem Biol Interact** 1983 Aug 15;46(1):101-8

Gaseous oxide toxicity evaluated with cell monolayers on collagen-coated, gas-permeable teflon membranes. Gabridge MG, et al. **Environ Health Perspect** 1984 Mar; 54:347-52

Effects of sulfur dioxide and ozone on hypertension sensitive and resistant rats. Drew RT, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):298-302

[Epidemiological evaluation of cancer risk in relation to environmental pollution] Jędrychowski W. **Folia Med Cracov** 1982-83;24(3-4):181-91 (Eng. Abstr.) (Pol)

SULFUR HEXAFLUORIDE see under FLUORIDES

SULFUR OXIDES

TOXICITY

[Formation of toxic complex nitrogen- and sulfur-containing compounds during fuel combustion] Volikov AN, et al. **Gig Sanit** 1983 Aug;(8):82-3 (4 ref.) (Rus)

SULFUR RADIOISOTOPES

Comparisons using 35S- and 32P-labeled DNA for hybridization on nitrocellulose filters. Radford AJ. **Anal Biochem** 1983 Oct 15;134(2):269-71

ADMINISTRATION & DOSAGE

The radiation dose to man following the intravenous injection of radiosulphate (Na2(35)SO4). Burke BJ, et al. **Int J Appl Radiat Isot** 1983 Sep;34(9):1139-41

DIAGNOSTIC USE

Effect of diabetes on in vivo metabolism of [35S]-labeled glomerular basement membrane. Cohen MP, et al. **Diabetes** 1984 Jan;33(1):8-12

SULFURIC ACID ESTERS see under SULFURIC ACIDS

SULFURIC ACIDS

ADVERSE EFFECTS

Acid rain: toxic metals [editorial] **Lancet** 1984 Mar 24; 1(8378):659-60

[Percutaneous resorption of 131I in acid solutions and decontamination of the burned surface] Il'in LA, et al. **Gig Sanit** 1984 Mar;(3):48-50 (Eng. Abstr.) (Rus)

ANALYSIS

Complete tyrosine-O-sulphation of gastrin in neonatal rat pancreas. Brand SJ, et al. **Nature** 1984 May 31-Jun 6; 309(5967):456-8

BLOOD

Identification and quantitation of steroids in sulfate fractions from plasma of pregnant chimpanzee, orangutan, and rhesus monkey. Axelson M, et al. **Endocrinology** 1984 Feb; 114(2):337-44

Sulfation of gastrin in Zollinger--Ellison sera: evidence for association between sulfation and proteolytic processing. Andersen BN, et al. **Regul Pept** 1983 Jul;6(3):231-9

CHEMICAL SYNTHESIS

The synthesis of S-(3-aminopropyl)thiosulfuric acid. Sanjust E, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):245-7

METABOLISM

Nucleotide sequence cleavage of guanine-modified DNA with aflatoxin B1, dimethyl sulfate, and mitomycin C by bleomycin and deoxyribonuclease I. Suzuki T, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):916-22

In vivo quantification of renal glucuronide and sulfate conjugation of 1-naphthol and p-nitrophenol in the rat. Tremaine LM, et al. **Biochem Pharmacol** 1984 Feb 1; 33(3):419-27

Vectorial release of sulfoconjugates in the vascularly perfused mouse small intestine. Wollenberg P, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):205-8

Formation of glucuronide, sulphate and glutathione conjugates of benzo[a]pyrene metabolites in hepatocytes isolated from inbred strains of mice. Zaleski J, et al. **Carcinogenesis** 1983 Nov;4(11):1359-66

Biodegradation and utilization of monomethyl sulfate by specialized methylotrophs. Ghisalba O, et al. **Experientia** 1983 Nov 15;39(11):1257-63

Clearance of sulfuric acid-introduced 35S from the respiratory tracts of rats, guinea pigs and dogs following inhalation or instillation. Dahl AR, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):293-7

Deposition of sulfuric acid mist in the respiratory tracts of guinea pigs and rats. Dahl AR, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2-3):371-83

PHARMACODYNAMICS

Effect of glutathione levels, sulfate levels, and metabolic inhibitors on covalent binding of 2-amino-3-methylimidazo[4,5-f]quinoline and 2-acetylaminofluorene to cell macromolecules in primary monolayer cultures of adult rat hepatocytes. Loretz LJ, et al. **Carcinogenesis** 1984 Jul;5(7):895-9

ADP-ribosylation of nuclear proteins in vivo. Identification of histone H2B as a major acceptor for mono- and poly(ADP-ribose) in dimethyl sulfate-treated hepatoma AH 7974 cells. Adamietz P, et al. **J Biol Chem** 1984 Jun 10;259(11):6841-6

Effect of extracellular fluid volume depletion on renal regulation of acid-base and potassium equilibrium during prolonged mineral acid administration. Hulter HN, et al. **J Lab Clin Med** 1984 Jun;103(6):854-68

[Chemical and biological properties of Persteril containing an anticorrosive agent] Kneiflová J. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul;32(4):230-4 (Eng. Abstr.) (Cze)

[Bactericidal effect of Persteril solution with added detergents] Podstatová H, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:143-52 (Ger)

[Changes in the nucleus-nucleolus apparatus and nucleic acid content in animal cells (fish, rabbit) exposed to minimal (threshold) doses of different biostimulants] Khvoles AG, et al. **Dokl Akad Nauk SSSR** 1983 Jul-Aug;271(1):238-40 (Rus)

POISONING

Laryngeal cancer and occupational exposure to sulfuric acid. Soskolne CL, et al. **Am J Epidemiol** 1984 Sep;120(3):358-69

TOXICITY

Dose-dependent effects of submicrometer sulfuric acid aerosol on particle clearance from ciliated human lung airways. Leikauf GD, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):285-92

Measurement of respiratory tract ammonia in the rabbit and implications to sulfuric acid inhalation studies. Vollmuth TA, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):455-64

Physiological and histological alterations in the bronchial mucociliary clearance system of rabbits following intermittent oral or nasal inhalation of sulfuric acid mist. Schlesinger RB, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2-3):441-65

Molecular dosimetry of DNA damage caused by alkylation. II. The induction and repair of different classes of single-strand breaks in cultured mammalian cells treated with ethylating agents. Dogliotti E, et al. **Mutat Res** 1984 Jul-Aug;132(1-2):41-9

Response of the bronchial mucociliary clearance system in rabbits to inhaled sulfite and sulfuric acid aerosols. Chen LC, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):123-31

Evaluation of concentration-response relationships for histamine and sulfuric acid aerosols in unanesthetized guinea pigs for their effects on ventilatory response to CO2. Schaper M, et al. **Toxicol Appl Pharmacol** 1984 May; 73(3):533-42

Exposure-response relationship of bronchial mucociliary clearance in rabbits following acute inhalations of sulfuric acid mist. Schlesinger RB, et al. **Toxicol Lett** 1984 Aug; 22(2):249-54

The pathogenesis of synergistic lung damage in mice by an environmental irritant (H2SO4) and particulate antigen. Birnbaum SC, et al. **Toxicology** 1983;28(3):261-9

SULFUROUS ACIDS

METABOLISM

Reduction of bisulfite by the trithionate pathway by cell extracts from Desulfotomaculum nigrificans. Akagi JM. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):530-5

SULFURTRANSFERASES

The high resolution three-dimensional structure of bovine liver rhodanese. Hol WG, et al. **Fundam Appl Toxicol** 1983 Sep-Oct;3(5):370-6 (28 ref.)

ANALYSIS

Alkaline butanol extraction of bile salt and steroid sulfate esters: application to the assay of sulfotransferases. Barnes S, et al. **Anal Biochem** 1983 Sep;133(2):470-5

The sulfurtransferases. Westley J, et al. **Fundam Appl Toxicol** 1983 Sep-Oct;3(5):377-82 (19 ref.)

Rhodanese from Cercopithecus aethiops (vervet monkey) liver. II. Aspects of enzyme kinetics and mechanism of action. Janse van Rensburg L, et al. **Int J Biochem** 1984; 16(5):547-51

Topography of cerebroside sulfotransferase in Golgi-enriched vesicles from rat brain. Tennekoon G, et al. **J Cell Biol** 1983 Oct;97(4):1107-12

ANTAGONISTS & INHIBITORS

p-Chloromercuribenzoate specifically modifies thiols associated with the active sites of beta-ketoadipate enol-lactone hydrolase and succinyl CoA: beta-ketoadipate CoA transferase. Yeh WK, et al. **Arch Microbiol** 1984 Jun; 138(2):102-5

Hepatic macromolecular covalent binding of the hepatocarcinogen 2,6-dinitrotoluene and its 2,4-isomer in vivo: modulation by the sulfotransferase inhibitors pentachlorophenol and 2,6-dichloro-4-nitrophenol. Kedderis GL, et al. **Carcinogenesis** 1984 Sep;5(9):1199-204

BLOOD

Human platelet phenol sulfotransferase: stability of two forms of the enzyme with time and presence of a racial difference. Anderson RJ, et al. **Clin Chim Acta** 1984 Apr 13; 138(2):185-96

Assay of phenol sulphotransferase in human blood. Pennings EJ, et al. **Clin Chim Acta** 1983 Oct 31;134(1-2):199-206

Platelet monoamine oxidase and phenolsulphotransferase M and P in cancer. Rampling RP, et al. **Clin Chim Acta** 1984 Jun 13;139(3):303-12

Platelet phenol sulfotransferase and erythrocyte catechol-O-methyltransferase activities: correlation with methyldopa metabolism. Campbell NR, et al. **Clin Pharmacol Ther** 1984 Jan;35(1):55-63

Catecholamine sulfates and platelet phenolsulfotransferase activity in essential hypertension. Kuchel O, et al. **J Lab Clin Med** 1984 Aug;104(2):238-44

Platelet phenolsulphotransferase activity in Parkinson's disease. Glover V, et al. **J Neural Transm** 1983; 57(1-2):95-102

Low platelet monoamine oxidase activity in headache: no correlation with phenolsulphotransferase, succinate dehydrogenase, platelet preparation method or smoking. Littlewood J, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):338-43

Thermolabile and thermostable human platelet phenol sulfotransferase. Substrate specificity and physical separation. Reiter C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):140-7

Platelet phenolsulfotransferase activity and the headache spectrum. Sandler M, et al. **Psychopharmacol Bull** 1984 Summer;20(3):539-41

DEFICIENCY

Strong evidence from studies with brachymorphic mice and pentachlorophenol that 1'-sulfoöxysafrole is the major ultimate electrophilic and carcinogenic metabolite of 1'-hydroxysafrole in mouse liver. Boberg EW, et al. **Cancer Res** 1983 Nov;43(11):5163-73

GENETICS

Biochemical expression of mosaicism in female mice heterozygous for the jimpy gene. Benjamins JA, et al. **J Neurochem** 1984 Feb;42(2):487-92

A genetic study of platelet phenolsulphotransferase activity in normal and schizophrenic twins. Reveley AM, et al. **J Psychiatr Res** 1982-83;17(3):303-7

ISOLATION & PURIFICATION

Purification and characterization of 3'-phosphoadenylylsulfate: N-desulfoheparan sulfate sulfotransferase from arterial tissue. Göhler D, et al. **Eur J Biochem** 1984 Jan 16;138(2):301-8

Rhodanese from Cercopithecus aethiops (vervet monkey) liver. I. Purification and some physical characteristics. Janse van Rensburg L, et al. **Int J Biochem** 1984; 16(5):539-46

METABOLISM

Protamine modulation of sulfotransferase activity from chicken embryo epiphyseal cartilages changes with the degree of sulfation of the acceptor. Salač ML, et al. **Arch Biochem Biophys** 1984 May 15;231(1):243-52

In-vitro biosynthesis of sulphatoglycosphingolipids by rat submandibular salivary glands. Liau YH, et al. **Arch Oral Biol** 1983;28(11):1001-6

Development and characteristics of an oestrogen sulphotransferase in placenta and uterus of the pregnant mouse. Comparison between mouse and rat. Hobkirk R, et al. **Biochem J** 1983 Nov 15;216(2):451-7

Competition between sulphation and glucuronidation in the rat in vivo: enzyme kinetics and pharmacokinetics of

conjugation. Mulder GJ, et al. **Biochem Soc Trans** 1984 Feb;12(1):17–20

Glucocorticoid sulphotransferases in rats and other animal species. Singer SS. **Biochem Soc Trans** 1984 Feb;12(1):35–9

Incorporation of cis–parinaric acid, a fluorescent fatty acid, into synaptosomal phospholipids by an acyl–CoA acyltransferase. Harris WE, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):79–91

Sulphate conjugation of beta 2–adrenoceptor stimulating drugs by platelet and placental phenol sulphotransferase. Sodha RJ, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):106–8

Differences in the binding of sulfate, selenate and thiosulfate ions to bovine liver rhodanese, and a description of a binding site for ammonium and sodium ions. An X–ray diffraction study. Lijk LJ, et al. **Eur J Biochem** 1984 Jul 16;142(2):399–408

Enzymic synthesis of the iron–sulfur cluster of spinach ferredoxin. Pagani S, et al. **Eur J Biochem** 1984 Jul 16; 142(2):361–6

Growth properties and biochemical characterization of mouse Schwann cells cultured in vitro. White FV, et al. **Exp Cell Res** 1983 Oct;148(1):183–94

Interaction of rhodanese with intermediates of oxygen reduction. Cannella C, et al. **FEBS Lett** 1983 Oct 3; 162(1):180–4

Renal ketone body metabolism. Distribution of 3–oxoacid CoA–transferase and 3–hydroxybutyrate dehydrogenase along the mouse nephron. Guder WG, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1727–37

A sulfotransferase–sulfatase system in avian oviduct which catalyzes a conversion of UDP–N–acetylgalactosamine 4–sulfate to the 6–sulfate isomer. Otsu K, et al. **J Biol Chem** 1984 May 25;259(10):6403–10

Effect of ethanol on the enzymatic sulfation of glycosphingolipids in gastric mucosa. Slomiany A, et al. **J Biol Chem** 1984 May 10;259(9):5792–6

Enzymatic sulfation of glycosphingolipids in rat parotid salivary glands. Zdebska E, et al. **J Dent Res** 1983 Oct; 62(10):1026–30

Bile salt sulfotransferase: alterations during maturation and non–inducibility during substrate ingestion. Balistreri WF, et al. **J Lipid Res** 1984 Mar;25(3):228–35

Regional and subcellular distribution of cyanide metabolizing enzymes in the central nervous system. Mimori Y, et al. **J Neurochem** 1984 Aug;43(2):540–5

Characterization of human brain phenolsulphotransferase. Rein G, et al. **J Neurochem** 1984 Jan;42(1):80–5

Sulfate conjugation of dopamine in rat brain: regional distribution of activity and evidence for neuronal localization. Rivett AJ, et al. **J Neurochem** 1984 May; 42(5):1444–9

Human brain phenol sulfotransferase: biochemical properties and regional localization. Young WF Jr, et al. **J Neurochem** 1984 Sep;43(3):706–15

p–Nitrophenol sulfation in rat liver cytosol: multiple forms and substrate inhibition of aryl sulfotransferase. Mizuma T, et al. **J Pharmacobiodyn** 1983 Nov;6(11):851–8

Sulfurylation of deoxycorticosterone in human fetal tissues. Casey ML, et al. **J Steroid Biochem** 1983 Oct;19(4):1403–6

Estrogen sulfatase and estrogen sulfotransferase in human primary mammary carcinoma. Tseng L, et al. **J Steroid Biochem** 1983 Oct;19(4):1413–7

The effect of chondroitin sulfate molecular weight and degree of sulfation on the activity of a sulfotransferase from chicken embryo epiphyseal cartilages. Mourão PA, et al. **Mol Cell Biochem** 1983;57(1):49–60

Enzymic synthesis of steroid sulfates XVI. Specificity and regulation of human adrenal hydroxysteroid sulfotransferase. Adams JB, et al. **Steroids** 1983 May; 41(5):575–86

PHYSIOLOGY

Metabolic activation of 7,12–dimethylbenz[alpha]anthracene (DMBA) and 7–methylbenz[alpha]anthracene (7–MBA) by rat liver P–450 and sulfotransferase. Watabe T. **J Toxicol Sci** 1983 May;8(2):119–31

SULINDAC see under **INDENES**

SULOCTIDIL see under **PROPANOLAMINES**

SULPIRIDE

ADMINISTRATION & DOSAGE

Cerebral glutamate, neuroleptic drugs and schizophrenia: increase of cerebrospinal fluid glutamate levels and decrease of striate body glutamate levels following sulpiride treatment in rats. Kim JS, et al. **Eur Neurol** 1983; 22(5):367–70

[Long–term use of 200 mg Dogmatil. Apropos of 13 cases] Planche R. **Sem Hop Paris** 1984 Mar 22;60(13):944–8 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Effect of sultopride on prolactin secretion in rats. Mizuchi A, et al. **Arch Int Pharmacodyn Ther** 1984 Feb; 267(2):232–40

Determination of sultopride in serum and saliva by high–performance liquid chromatography. Nishihara K, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4144–6

Veralipride versus conjugated oestrogens: a double–blind study in the management of menopausal hot flushes. Wesel S, et al. **Curr Med Res Opin** 1984;8(10):696–700

Absorption, metabolism and excretion of 14C–sultopride in the rat. Dross K, et al. **Eur J Drug Metab Pharmacokinet** 1984 Jan–Mar;9(1):1–9

Synthesis and neuroleptic activity of N–[(1–ethyl–2–pyrrolidinyl)methyl]–2–methoxy–5–sulfonamides. Ogata M, et al. **J Med Chem** 1984 Sep;27(9):1137–41

Amisulpride—an open clinical study of a new benzamide in schizophrenic patients. Mann K, et al. **Pharmacopsychiatry** 1984 Jul;17(4):111–5

Effects of chronic sultopride treatment on endocrine systems in psychotic women. Miyachi Y, et al. **Psychopharmacology (Berlin)** 1984;82(4):287–90

Regional distribution of sultopride and sulpiride in rat brain measured by radioimmunoassay. Mizuchi A, et al. **Psychopharmacology (Berlin)** 1983;81(3):195–8

[Early excitomotor syndrome during treatment with veralipride] Bouchez B, et al. **LARC Med** 1984 Mar; 4(3):178–9 **(Fre)**

[Active treatment of behavior problems of the mentally retarded. Sultopride] Amedro MJ, et al. **Sem Hop Paris** 1983 Dec 15;59(47):3327–31 (Eng. Abstr.) **(Fre)**

[Efficacy and clinical and biological tolerability of the long–term administration of veralipride. Apropos of 74 cases] Dargent D, et al. **Sem Hop Paris** 1983 Nov 3; 59(40):2778–80 (Eng. Abstr.) **(Fre)**

[Veralipride and menopause] Laffargue F, et al. **Sem Hop Paris** 1983 Sep 1;59(29–30):2127–30 (Eng. Abstr.) **(Fre)**

[Longterm psychosis and sultopride] Morel D. **Sem Hop Paris** 1983 Sep 22;59(33):2337–41 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Prolactin response to stimulation in obesity. Sannia A, et al. **Horm Metab Res** 1983 Aug;15(8):411

Plasma growth hormone responses to sulpiride in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 1984 Apr;142(4):445–52

Persistence of impaired PRL responses to sulpiride in patients with PRL secreting pituitary adenomas after successful hypophysectomy. Hanew K, et al. **Tohoku J Exp Med** 1983 Jul;140(3):225–33

[Effect of metoclopramide and sulpiride on the secretory activity of the stomach in patients with duodenal ulcer] Fisher AA, et al. **Klin Med (Mosk)** 1984 Jan;62(1):80–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Autoradiographic localization of [3H]sulpiride binding sites in the rat brain. Gehlert DR, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):311–2

Stereoselectivity of S– and R–sulpiride for pre– and postsynaptic dopamine receptors in the canine kidney. Bass AS, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):67–71

Comparison of dopamine receptor sites labeled by [3H]–S–sulpiride and [3H]–spiperone in striatum. Zahniser NR, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):592–9

Regional distribution of sultopride and sulpiride in rat brain measured by radioimmunoassay. Mizuchi A, et al. **Psychopharmacology (Berlin)** 1983;81(3):195–8

PHARMACODYNAMICS

Effects of prolactin, bromocriptine and sulpiride on estrogen and lactogenic receptors in the rat adrenal gland. Lüthy IA, et al. **Act Physiol Pharamacol Latinoam** 1984; 34(1):15–23

Sulpiride in tardive dyskinesia. Gerlach J, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:93–102

Effects of sulpiride on persistent neuroleptic–induced dyskinesia in monkeys. Häggström JE. **Acta Psychiatr Scand [Suppl]** 1984;311:103–8

Time course for effects of sulpiride and chlorpromazine on monoamine metabolite and prolactin levels in cerebrospinal fluid from schizophrenic patients. Härnryd C, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:75–92

Behavioural and biochemical studies with the benzamide sulpiride in rats. Herrera–Marschitz M, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:147–62

Modification by sulpiride, pimozide, or domperidone of apomorphine's effects on learning in hypoxic rats. Saligaut C, et al. **Aviat Space Environ Med** 1983 Aug;54(8):725–9

Changes in apomorphine–induced stereotypy as a result of subacute neuroleptic treatment correlates with increased D–2 receptors, but not with increases in D–1 receptors. Fleminger S, et al. **Biochem Pharmacol** 1983 Oct 1; 32(19):2921–7

Effects of sulpiride treatment on the levels of immunoreactive beta–endorphin in rat hypothalamic nuclei. Nohtomi A, et al. **Brain Res** 1984 May 21;300(1):152–6

Effect of sulpiride isomers on gastric acid and gastrin secretion in healthy man. Caldara R, et al. **Eur J Clin Pharmacol** 1983;25(3):319–22

Unresponsiveness of prolactin to repeated injection of sulpiride in man. Cohen H, et al. **Eur J Clin Pharmacol** 1983;25(2):275–7

The role of the median raphe nucleus in sulpiride–induced potentiation of apomorphine hypermotility. Fink H, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):123–4

Prolactin response to the dopamine antagonists sulpiride and domperidone. Further evidence for pituitary dopamine deficiency in hyperprolactinemic disorders of different etiology. Ferrari C, et al. **Gynecol Obstet Invest** 1983; 16(5):299–306

Interaction of sulpiride with human pituitary dopaminergic receptors is sodium dependent. Serri O, et al. **Horm Res** 1984;19(3):153–7

Prolactin response to sulpiride in ovulatory women (a clue for the screening of hyperprolactinemic states). Nahoum CR, et al. **Int J Fertil** 1984;29(1):20–4

Effects of sulpiride induced hyperprolactinemia on testosterone secretion and metabolism before and after HCG in normal men. Bernini GP, et al. **J Endocrinol Invest** 1983 Aug;6(4):287–91

Effects of dopaminergic drugs on cerebellar prostaglandin concentrations. Millia C, et al. **J Neurochem** 1983 Oct; 41(4):1190–1

Role of calmodulin–dependent phosphorylation in chronic sulpiride–induced striatal dopamine receptor supersensitivity. Lau YS, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):32–7

Sulpiride: assessment of a pharmacologically and chemically distinct neuroleptic. Rich TD. **Med Hypotheses** 1984 May; 14(1):69–81

Sulpiride isomers exhibit reversed stereospecificity for D–1 and D–2 dopamine receptors in the CNS. Leff SE, et al. **Neuropharmacology** 1984 May;23(5):589–90

The 'presynaptic' blocking potency of sulpiride and haloperidol in the rat is age–dependent. Ogren SO, et al. **Neurosci Lett** 1984 May 4;46(2):203–7

Inhibition in carotid body chemoreceptors mediated by D–2 dopaminoceptors: antagonism by benzamides. Zapata P, et al. **Neurosci Lett** 1983 Dec 2;42(2):179–84

Antidepressant versus neuroleptic activities of sulpiride isomers on four animal models of depression. Vaccheri A, et al. **Psychopharmacology (Berlin)** 1984;83(1):28–33

Effects of dopamine and dopamine antagonists on postprandial release of pancreatic polypeptide in dogs and in healthy volunteers. Linnestad P, et al. **Scand J Gastroenterol** 1983 Jan;18(1):81–5

The effect of sulpiride administration on maternal and fetal plasma prolactin levels, and fetal growth in rats. Fukaya T, et al. **Tohoku J Exp Med** 1983 Nov;141(3):323–6

[Sulpiride (stereoisomers, racemic) and dopamine: actions and interactions on renal circulation] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):169–74 (Eng. Abstr.) **(Ita)**

[Sulpiride (stereoisomers, racemic) and dopamine: actions and interactions on tubular reabsorption] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):175–80 (Eng. Abstr.) **(Ita)**

[Sulpiride (stereoisomers, racemic) and dopamine: actions and interactions on renal excretion of hydro–saline] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):181–6 (Eng. Abstr.) **(Ita)**

[Stereoisomers of sulpiride and dopamine: interaction on kidney function in humans] Agnoli GC, et al. **Boll Soc Ital Cardiol** 1983 Jun;28(6):489–508 (Eng. Abstr.) **(Ita)**

[Interference of sulpiride on the effects of ibopamine at the level of peripheral circulation] Musacci GF, et al. **Boll Soc Ital Cardiol** 1982 Dec;27(12):1163–9 (Eng. Abstr.) **(Ita)**

[Case of intrathoracic pheochromocytoma occurring 9 years after resection of intraabdominal paraaortic pheochromocytoma: effect of metoclopramide and sulpiride on catecholamine secretion in vitro] Oishi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20; 59(10):1608–19 (Eng. Abstr.) **(Jpn)**

[Absorption and urinary excretion of digoxin in the presence of hyoscine butyl bromide and sulpiride in healthy subjects] Jiménez Alonso J, et al. **Rev Esp Cardiol** 1983;36(2):121–3 (Eng. Abstr.) **(Spa)**

[Effect of sulpiride and castration on mammary carcinogenesis caused by 7,12–dimethylbenzanthracene in the Wistar rat] Martorell M, et al. **Rev Esp Oncol** 1982; 29(2):289–300 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

The use of substituted benzamides in psychiatry. Proceedings of a symposium held during the 13th CINP Congress. Jerusalem, June 20–25, 1982. **Acta Psychiatr Scand [Suppl]** 1984;311:1–162

Relationships between drug concentrations in serum and CSF, clinical effects and monoaminergic variables in schizophrenic patients treated with sulpiride or chlorpromazine. Alfredsson G, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:49–74

Effect of sulpiride in endogenous depression. Benkert O, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:43–8

Clinical evaluation of sulpiride in schizophrenic patients—a double–blind comparison with chlorpromazine. Härnryd C, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:7–30

Sulpiride versus haloperidol, a clinical trial in schizophrenia. A preliminary report. Munk–Andersen E, et al. **Acta Psychiatr Scand [Suppl]** 1984;311:31–41

Neuroleptics in the short–term treatment of anorexia nervosa. A double–blind placebo–controlled study with sulpiride. Vandereycken W. **Br J Psychiatry** 1984 Mar;144:288–92

Sulpiride: an advance in neuroleptics? **Drug Ther Bull** 1984 Apr 20;22(8):31–2

A double blind trial of sulpiride in Huntington's disease and tardive dyskinesia. Quinn N, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):844–7

Treatment of inadequate lactation with oral sulpiride and buccal oxytocin. Ylikorkala O, et al. **Obstet Gynecol** 1984 Jan;63(1):57–60

A randomized double blind group comparative study of sulpiride and amitriptyline in affective disorder. Standish-Barry HM, et al. **Psychopharmacology (Berlin)** 1983;81(3):258–60

[Controlled study of the disinhibiting effect of low doses of sulpiride in severe schizophrenic psychoses] Petit M, et al. **Encephale** 1984;10(1):25–8 (Eng. Abstr.) **(Fre)**

[Dogmatil and vertigo in the aged subject. Apropos of 10 years' prescribing] Lebon P. **Sem Hop Paris** 1983 Nov 24; 59(43):3015–7 (Eng. Abstr.) **(Fre)**

[Sulpiride and depression] Lestynek JL. **Sem Hop Paris** 1983 Sep 22;59(33):2354–7 (Eng. Abstr.) **(Fre)**

[Effect of phenibut and eglonyl on frequency of tachyarrhythmia paroxysms and central hemodynamics in patients with neurocirculatory dystonia] Skibitskil VV. **Vrach Delo** 1983 Aug;(8):22–5 (Eng. Abstr.) **(Rus)**

SULTHIAME see under **THIAZINES**

SUNBURN

COMPLICATIONS

Laser test treatments for postsolar poikiloderma [letter] Goldman L, et al. **Arch Dermatol** 1984 May;120(5):578–9

Drug eruptions presenting at sites of prior radiation damage (sunlight and electron beam). Shelley WB, et al. **J Am Acad Dermatol** 1984 Jul;11(1):53–7

ETIOLOGY

Photobiology of melanin pigmentation: dose/response of skin to sunlight and its contents. Pathak MA, et al. **J Am Acad Dermatol** 1983 Nov;9(5):724–33

[Reduced UV erythema sensitivity of unaffected psoriatic skin] Meffert H, et al. **Dermatol Monatsschr** 1983; 169(11):691–4 (Eng. Abstr.) **(Ger)**

[Results of phototoxic tests depending upon the season] Dulczewska-Kłopotowska M. **Przegl Dermatol** 1983 May-Jun;70(3):243–8 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Quantitative studies on sunburn cell formation in mouse epidermis. Obata M. **Tohoku J Exp Med** 1983 Aug; 140(4):395–405

[Quantitative studies on sunburn cell formation in mouse epidermis—interactions of various wavelengths] Obata M. **Nippon Hifuka Gakkai Zasshi** 1983 Jul;93(8):811–7 **(Jpn)**

PREVENTION & CONTROL

Topical indomethacin protects from UVB and UVA irradiation. Gschnait F, et al. **Arch Dermatol Res** 1984; 276(2):131–2

Choosing a sunscreen—a burning issue! Michalko KJ. **Dimens Health Serv** 1984 Jul;61(7):30

Effect of indomethacin on alteration of ATPase-positive Langerhans cell density and cutaneous sunburn reaction induced by ultraviolet-B radiation. Lim HW, et al. **J Invest Dermatol** 1983 Nov;81(5):455–8

[Injuries due to solar radiation and their prevention (editorial)] Wolman M. **Harefuah** 1983 May 15; 104(10):472–4 **(Heb)**

SUNLIGHT

Pasteurization of naturally contaminated water with solar energy. Ciochetti DA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):223–8

Recommended UV exposure limits for tanning equipment, and spectral irradiances of solarium lamps, sunlamps and daylight. Wilkinson FJ. **Australas Phys Eng Sci Med** 1983 Jan-Mar;6(1):26–34

Vitamin D deficiency osteomalacia in elderly persons. Smith P, et al. **Compr Ther** 1984 Jul;10(7):24–32

Vitamin D status of the elderly in relation to age and exposure to sunlight. Dattani JT, et al. **Hum Nutr Clin Nutr** 1984 Mar;38(2):131–7

Factors contributing to vitamin D status near retirement age. Holdsworth MD, et al. **Hum Nutr Clin Nutr** 1984 Mar; 38(2):139–49

The contribution of dietary vitamin D and sunlight to the plasma 25-hydroxyvitamin D in the elderly. Sheltawy M, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):191–4

Heliotaxic epilepsy. Vasudeva Iyer G, et al. **J Assoc Physicians India** 1983 May;31(5):283–5

Weather and shade effects on cow corral activities. Shultz TA. **J Dairy Sci** 1984 Apr;67(4):868–73

Morphologic alterations of epidermal melanocytes and melanosomes in PUVA lentigines: a comparative ultrastructural investigation of lentigines induced by PUVA and sunlight. Nakagawa H, et al. **J Invest Dermatol** 1984 Jan;82(1):101–7

The effect of aging and chronic sun exposure on human Langerhans cell populations. Thiers BH, et al. **J Invest Dermatol** 1984 Mar;82(3):223–6

A theory of the etiology and pathogenesis of human cutaneous malignant melanoma. D'Arcy C, et al. **JNCI** 1983 Oct;71(4):651–6

Circularly polarized solar radio bursts associated with sunspot activities and their possible significance in the formation of chirally asymmetric biotic substances from a chirally symmetric prebiotic medium. Hokkyo N. **Orig Life** 1984;14(1-4):447–50

Xeroderma pigmentosum fibroblasts including cells from XP variants are abnormally sensitive to the mutagenic and cytotoxic action of broad spectrum simulated sunlight. Patton JD, et al. **Photochem Photobiol** 1984 Jan;39(1):37–42

Fibroblasts from patients with hereditary cutaneous malignant melanoma are abnormally sensitive to the mutagenic effect of simulated sunlight and 4-nitroquinoline 1-oxide. Howell JN, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1179–83

Killing of bacteria during solar eclipse and its biological implications. Banerjee SK, et al. **Radiat Environ Biophys** 1983;22(3):235–8

Vitamin D metabolism and anticonvulsant therapy: effect of sunshine on incidence of osteomalacia. Williams C, et al. **South Med J** 1984 Jul;77(7):834–6, 842

[The effect of sunlight on the air temperature in camping tents] Schubert A, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):761–3 (Eng. Abstr.) **(Ger)**

[Psychohygienic significance of insolating the residential building areas of a large city] Beliaev II, et al. **Gig Sanit** 1984 Mar;(3):13–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The dangerous light. Tengroth B. **Acta Ophthalmol [Suppl] (Copenh)** 1984;164:14–6

Taking the sizzle out of the sun. Araujo OE, et al. **Am Pharm** 1984 Jun;NS24(6):42–6

Polymorphous light eruption. A seven-year follow-up evaluation of 114 patients. Jansén CT, et al. **Arch Dermatol** 1984 Jul;120(7):862–5

Papular polymorphous light eruption. Fibrin, complement, and immunoglobulin deposition. Muhlbauer JE, et al. **Arch Dermatol** 1984 Jul;120(7):866–8

Actinic granuloma of the conjunctiva. Ferry AP, et al. **Arch Ophthalmol** 1984 Aug;102(8):1200–2

Solar ultraviolet radiation and skin cancer. A public education program. Schreiber MM, et al. **Ariz Med** 1983 Jul;40(7):469–72

Persistent acantholytic dermatosis related to actinic damage. Fawcett HA, et al. **Br J Dermatol** 1983 Sep;109(3):349–54

Pigmentation and skin reaction to sun as risk factors for cutaneous melanoma: Western Canada Melanoma Study. Elwood JM, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):99–102

The pathogenesis of cutaneous malignant melanoma [letter] Philipp R, et al. **Br Med J [Clin Res]** 1984 Jan 21; 288(6412):237

Study of ultraviolet radiation and genotoxic effects of natural sunlight in relation to skin cancer in Saudi Arabia. Hannan MA, et al. **Cancer Res** 1984 May;44(5):2192–7

Determinants of intentions to take precautions against skin cancer. Hill D, et al. **Community Health Stud** 1984; 8(1):33–44

Benign skin changes associated with chronic sunlight exposure. Goldberg LH, et al. **Cutis** 1984 Jul;34(1):33–8, 40

Disseminated superficial actinic porokeratosis with hyperkeratotic lesions. Schuldenfrei JA, et al. **Cutis** 1984 Apr;33(4):369–70

Solcoderm in the treatment of solar and seborrheic keratoses. Feuerman EJ, et al. **Dermatologica** 1984;168 Suppl 1:33–5

Socio-economic status, indoor and outdoor work, and malignant melanoma. Cooke KR, et al. **Int J Cancer** 1984 Jul 15;34(1):57–62

Cutaneous immunofluorescence studies in adult rheumatoid arthritis in sun-exposed and non-sun-exposed areas. Ma AS, et al. **Int J Dermatol** 1984 May;23(4):269–72

Ultraviolet A phototherapy in the prophylaxis of solar urticaria. Bernhard JD, et al. **J Am Acad Dermatol** 1984 Jan;10(1):29–33

Photocarcinogenesis, skin cancer, and aging. Epstein JH. **J Am Acad Dermatol** 1983 Oct;9(4):487–502 (173 ref.)

Reusable ultraviolet monitors: design, characteristics, and efficacy. Fanselow DL, et al. **J Am Acad Dermatol** 1983 Nov;9(5):714–23

Photosensitization associated with exposure of cattle to moldy straw. Bagley CV, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):802–3

Disseminated superficial actinic porokeratosis. Kyler JR, et al. **J Arkansas Med Soc** 1984 Apr;80(11):548–9

Metastases of sun-induced SCC [letter] Epstein E Sr. **J Dermatol Surg Oncol** 1984 Jun;10(6):418

Sun exposure habits in patients with cutaneous melanoma: a case control study. Lew RA, et al. **J Dermatol Surg Oncol** 1983 Dec;9(12):981–6

Metastasis from sun-induced squamous-cell carcinoma of the skin: an uncommon event. Lund HZ. **J Dermatol Surg Oncol** 1984 Mar;10(3):169–70

Cutaneous malignant melanoma and indicators of total accumulated exposure to the sun: an analysis separating histogenetic types. Holman CD, et al. **JNCI** 1984 Jul; 73(1):75–82

Cancer, warts, and sunshine in renal transplant patients. A case-control study. Boyle J, et al. **Lancet** 1984 Mar 31; 1(8379):702–5

Malignant disease in atomic test observers: possible interaction with sunlight [letter] Bridges BA. **Lancet** 1983 Oct 1;2(8353):794–5

Non-melanotic skin cancer and solar keratoses in Victoria. Marks R, et al. **Med J Aust** 1983 Dec 10-24;2(12):619–22

Is the Unsuit unsuitable? [letter] Rigel DS, et al. **N Engl J Med** 1984 Jul 19;311(3):200

Protection from light-rays by cold-weather goggles. Luria SM, et al. **Percept Mot Skills** 1983 Oct;57(2):515–24

Late features of solar retinopathy. Tarr KH, et al. **Trans Ophthalmol Soc NZ** 1983;35:26–8

[Possible hazards of solariums] Swanbeck G. **Hautarzt** 1984 Apr;35(4):173–4 **(Ger)**

[Light and sun protection] Schmersahl P. **Med Monatsschr Pharm** 1984 May;7(5):142–6 **(Ger)**

[Injuries due to solar radiation and their prevention (editorial)] Wolman M. **Harefuah** 1983 May 15; 104(10):472–4 **(Heb)**

[Tanning, is it a sign of health or not?] Benzo ML. **Minerva Med** 1983 Sep 22;74(36):2126–8 **(Ita)**

[Studies on the pathomechanism of solar urticaria] Kojima M. **Arerugi** 1984 Apr;33(4):224–30 (Eng. Abstr.) **(Jpn)**

[Is sunbathing healthy or harmful?] Moan J, et al. **Tidsskr Nor Laegeforen** 1983 Jul 10;103(19–21):1425–9 (Eng. Abstr.) **(Nor)**

[Effect of insolation on the cellular ultrastructure of the epidermis] Semkin VI, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar-Apr;(2):250–8 (Eng. Abstr.) **(Rus)**

SUNSCREENING AGENTS

Sunscreens. **Med Lett Drugs Ther** 1984 Jun 8;26(663):56–8

[Local protection of normal skin from sunshine] Klemp P, et al. **Ugeskr Laeger** 1984 Apr 16;146(16):1189–94 (Eng. Abstr.) **(Dan)**

ADMINISTRATION & DOSAGE

Topical protection against long-wave ultraviolet A. Jarratt M, et al. **J Am Acad Dermatol** 1983 Sep;9(3):354–60

ADVERSE EFFECTS

Allergic reaction to phenyl dimethicone in a sunscreen [letter] Edwards EK Jr, et al. **Arch Dermatol** 1984 May; 120(5):575–6

Commentary and update: cutaneous sensitivity to monoglyceryl para-aminobenzoate. Mathias CG. **Cleve Clin Q** 1983 Summer;50(2):85–6

Contact dermatitis from Eusolex 6300. Hunloh W, et al. **Contact Dermatitis** 1983 Jul;9(4):333–4

Contact dermatitis from witisol, a sunscreen agent. Mørk NJ, et al. **Contact Dermatitis** 1984 Feb;10(2):122–3

[Local sun screening agents] Volden G. **Tidsskr Nor Laegeforen** 1984 Jun 30;104(19–21):1323–5 **(Nor)**

ANALYSIS

Assay of mixtures of padimate-O and oxybenzone in sunscreen formulations by high-performance liquid chromatography. Tan HS, et al. **J Chromatogr** 1984 May 18;291:275–82

CLASSIFICATION

Choosing a sunscreen. Relling MV, et al. **Ariz Med** 1983 Aug;40(8):550–4

PHARMACODYNAMICS

Animal assays for anti-psoriatic, retinoid and sun protective agents. Lowe NJ, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:98–108 (32 ref.)

An animal model to determine sunscreen protectiveness against both vascular injury and epidermal cell damage. Sambuco CP, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):737–43

Effect of film irregularities on sunscreen efficacy. O'Neill JJ. **J Pharm Sci** 1984 Jul;73(7):888–91

THERAPEUTIC USE

Taking the sizzle out of the sun. Araujo OE, et al. **Am Pharm** 1984 Jun;NS24(6):42–6

Sunscreen use and sun exposure. Trends in a white population. Johnson EY, et al. **Arch Dermatol** 1984 Jun; 120(6):727–31

Sunscreen effectiveness: theoretical and practical considerations. Watson A. **Australas J Dermatol** 1983 Apr; 24(1):17–22

Choosing a sunscreen—a burning issue! Michalko KJ. **Dimens Health Serv** 1984 Jul;61(7):30

Efficacy of topical sunscreen preparations on the human skin: combined indoor-outdoor study. Azizi E, et al. **Isr J Med Sci** 1984 Jul;20(7):569–77

TOXICITY

Is psoralen-containing sunscreen tumorigenic in hairless mice? [letter] Magnus IA, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):293–4

SUNSTROKE

OCCURRENCE

[Various hazards of helio-balneology, fishing and underwater hunting in the Mediterranean near the shores of Cyrenaika, Libya] Piotrowski M, et al. **Wiad Lek** 1984 Feb 1; 37(3):241-3 **(Pol)**

SUPEREGO

The preoedipal development of the critical superego and its manifestations in psychoanalytic group psychotherapy. Edwards N. **Int J Group Psychother** 1984 Jan;34(1):47-66

Sartre: ego and superego functions in fiction and ideology. Schneiderman L. **J Am Acad Psychoanal** 1984 Jul; 12(3):363-85

Narcissism and superego development. Tyson P, et al. **J Am Psychoanal Assoc** 1984;32(1):75-98

[The concept of the representational world (translation of 1962 article)] Sandler J, et al. **Psyche (Stuttg)** 1984 Mar; 38(3):235-53 **(Ger)**

SUPERFETATION

[Case of uterine pregnancy with the superfetation of an extrauterine pregnancy] Ivanov K. **Akush Ginekol (Sofiia)** 1983;22(5):408-9 **(Bul)**

SUPERIOR COLLICULUS

ABNORMALITIES

Aberrant retinotectal projection induced by larval unilateral enucleation in Xenopus. Straznicky C, et al. **Neurosci Lett** 1983 Aug 19;39(1):5-10

ANALYSIS

Immunocytochemical localization of glutamic acid decarboxylase in normal and deafferented superior colliculus: evidence for reorganization of gamma-aminobutyric acid synapses. Houser CR, et al. **J Neurosci** 1983 Oct;3(10):2030-42

ANATOMY & HISTOLOGY

Does the early exuberant retinal projection to the superior colliculus in the neonatal rat develop synaptic connections? Jeffery G, et al. **Brain Res** 1984 May;316(1):135-8

An electron microscope study of the cortico-pretecto-olivary projection in the cat by a combined degeneration and horseradish peroxidase tracing technique. Kitao Y, et al. **Brain Res** 1983 Nov 28; 280(1):139-42

Retinopretectal projections in albino and pigmented rabbits: an autoradiographic study. Klooster J, et al. **Brain Res** 1983 Dec 12;288(1-2):1-12

Massive retinotectal projection in rats. Linden R, et al. **Brain Res** 1983 Aug 1;272(1):145-9

Functional anatomy of the tectum mesencephali of the goldfish. An explorative analysis of the functional implications of the laminar structural organization of the tectum. Meek J. **Brain Res** 1983 Dec;287(3):247-97 (280 ref.)

Hyperstriatal-tectal projections in the pigeon (Columba livia) as demonstrated by the retrograde double-label fluorescence technique. Miceli D, et al. **Brain Res** 1983 Oct 3;276(1):147-53

The projection from the superior colliculus to the dorsal lateral geniculate nucleus in the rat. Reese BE. **Brain Res** 1984 Jul 2;305(1):162-8

Parabigeminal projections to the superior colliculus in the cat. Roldán M, et al. **Brain Res** 1983 Nov 28;280(1):1-13

Neuroanatomy and electrophysiology of the lacertilian nucleus isthmi. Wang SR, et al. **Brain Res** 1983 Sep 26; 275(2):355-60

Organization of the intercollicular pathway in rat. Yamasaki DS, et al. **Brain Res** 1984 May 23;300(2):368-71

A direct projection from the retina to the intermediate gray layer of the superior colliculus demonstrated by anterograde transport of horseradish peroxidase in monkey, cat and rat. Beckstead RM, et al. **Exp Brain Res** 1983; 52(2):261-8

Electrophysiological and anatomical demonstration of an overlapping striate and tectal projection to the lateral posterior-pulvinar complex of the cat. Benedek G, et al. **Exp Brain Res** 1983;52(2):157-69

Neurons of the superficial tectal gray. An intracellular HRP-study on the kitten superior colliculus in vitro. Grantyn R, et al. **Exp Brain Res** 1984;55(1):172-6

Neonatal superior collicular lesions alter visual callosal development in hamster. Mooney RD, et al. **Exp Brain Res** 1984;55(1):9-25

Projections from the pretectal complex to the thalamic lateral dorsal nucleus of the cat. Robertson RT, et al. **Exp Brain Res** 1983;51(2):157-71

Relation of the parabigeminal nucleus to the superior colliculus and dorsal lateral geniculate nucleus in the hooded rat. Sefton AJ, et al. **Exp Brain Res** 1984; 56(1):144-8

Retinal terminals in the goldfish optic tectum: identification and characterization. Airhart MJ, et al. **J Comp Neurol** 1984 Jul 1;226(3):377-90

An EM-autoradiographic analysis of the projection from cortical areas 17, 18, and 19 to the superior colliculus in the cat. Behan M. **J Comp Neurol** 1984 Jun 1;225(4):591-604

Changes in the topographically organized connections between the nucleus isthmi and the optic tectum after partial tectal ablation in adult goldfish. Dunn-Meynell AA, et al. **J Comp Neurol** 1984 Aug 20;227(4):497-510

Corticotectal terminals in the superior colliculus of the rabbit: a light- and electron microscopic analysis using horseradish peroxidase (HRP)-tetramethylbenzidine (TMB). Holländer H, et al. **J Comp Neurol** 1983 Sep 1;219(1):81-7

Studies of the principal sensory and spinal trigeminal nuclei of the rat: projections to the superior colliculus, inferior olive, and cerebellum. Huerta MF, et al. **J Comp Neurol** 1983 Oct 20;220(2):147-67

Relationships between the nigrotectal pathway and the cells of origin of the predorsal bundle. May PJ, et al. **J Comp Neurol** 1984 Jul 1;226(3):357-76

The lateral suprasylvian corticotectal projection in cats. Segal RL, et al. **J Comp Neurol** 1984 May 10;225(2):259-75

Visualization of HRP-filled axons in unsectioned, flattened optic tecta of frogs. Udin SB, et al. **J Neurosci Methods** 1983 Dec;9(4):283-5

A pretectal projection upon the accessory optic nucleus in the pigeon: an anatomical and electrophysiological study. Azevedo TA, et al. **Neurosci Lett** 1983 Dec 23;43(1):13-8

Use of a lectin-peroxidase conjugate (WGA-HRP) to assess the retinotopic precision of goldfish optic terminals. Cook JE, et al. **Neurosci Lett** 1984 Jul 13;48(1):61-6

Projections from auditory structures to the superior colliculus in the rat. Druga R, et al. **Neurosci Lett** 1984 Apr 6; 45(3):247-52

Laminar origin of the tecto-thalamic projections in the albino rat. Sugita S, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):143-7

Elimination of ipsilateral retinotectal projections in mono-ophthalmic chick embryos. Thanos S, et al. **Neurosci Lett** 1984 Feb 10;44(2):143-8

[Experimental anatomic study of the topography of the retinofugal projections in Discoglossus pictus (Amphibia, Anura). II. The tectum: existence of a double-system of primary optic projections] Cordier-Picouet MJ. **J Hirnforsch** 1983;24(6):645-53 (Eng. Abstr.) **(Fre)**

[Functional organization of the intermediate and deep layers of the superior colliculus of the monkey] Gentilucci M, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):831-7 (Eng. Abstr.) **(Ita)**

[Cortical afferent inputs into the superior colliculi in the cat] Obukhova GP, et al. **Arkh Anat Gistol Embriol** 1984 Jun; 86(6):11-5 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Effects of chronic hypoxia on microcirculation of the central nervous system during embryonic development] Roncali L, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):37-43 (Eng. Abstr.) **(Ita)**

CYTOLOGY

The influence exerted by Nembutal on reactivity of the superior colliculus neurons. Dec K, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(6):329-35

Dorsotemporal retinal ganglion cell axons of goldfish are located in the dorsal rather than ventral optic tract. Springer AD, et al. **Brain Res** 1983 Aug 22;273(1):152-5

Interhemispheric and subcortical collaterals of single cortical neurons in the adult cat. Weber JT, et al. **Brain Res** 1983 Oct 16;276(2):333-8

Composition of the supraoptic decussation of the chick (Gallus gallus). A possible factor limiting interhemispheric transfer of visual information. Saleh CN, et al. **Cell Tissue Res** 1984;236(3):601-9

The optic tectum of the carp: pyramidal neurons of the SFGS. Lara J, et al. **J Hirnforsch** 1983;24(6):607-12

Development of the retinal pathway to the pretectum of the cat. Williams RW, et al. **Neuroscience** 1983 Dec; 10(4):1249-67

Fiber-fiber interaction and tectal cues influence the development of the chicken retinotectal projection. Thanos S, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1906-10

Large layer VI neurons of monkey striate cortex (Meynert cells) project to the superior colliculus. Fries W, et al. **Proc R Soc Lond [Biol]** 1983 Aug 22;219(1214):53-9

DRUG EFFECTS

Inhibitory mechanism in zebrafish optic tectum: visual response properties of tectal cells altered by picrotoxin and bicuculline. Sajovic P, et al. **Brain Res** 1983 Jul 25; 271(2):227-40

EMBRYOLOGY

Survival of isthmo-optic neurons after early removal of one eye. O'Leary DD, et al. **Brain Res** 1984 Feb;314(2):293-310

Demonstration of a polarizing signal that reverses future retinotectal patterns across Nuclepore filter barriers, in Xenopus embryonic eye. Sullivan K, et al. **Cell Differ** 1984 Apr;14(1):33-45

Homotopic and heterotopic transplantations of quail tectal primordia in chick embryos: organization of the retinotectal projections in the chimeric embryos. Alvarado-Mallart RM, et al. **Dev Biol** 1984 Jun;103(2):378-98

The effect of early unilateral enucleation on development of the optic tectum of the Egyptian toad, Bufo regularis Reuss. Khalil SH, et al. **Folia Morphol (Praha)** 1983; 31(3):305-10

Normal development of the optic tectum of the Egyptian toad Bufo regularis Reuss. Khalil SH, et al. **Folia Morphol (Praha)** 1983;31(3):293-304

Development of the transient ipsilateral retinotectal projection in the chick embryo: a numerical fluorescence-microscopic analysis. Thanos S, et al. **J Comp Neurol** 1984 Apr 10;224(3):407-14

Topological distribution of different forms of neural cell adhesion molecule in the developing chick visual system. Schlosshauer B, et al. **Nature** 1984 Jul 12-18; 310(5973):141-3

The topography of the initial retinotectal projection. Holt CE. **Prog Brain Res** 1983;58:339-45

ENZYMOLOGY

The distribution of hexokinase compared to cytochrome oxidase and acetylcholinesterase in the somatosensory cortex and the superior colliculus of the rat. Sandell JH. **Brain Res** 1984 Jan 9;290(2):384-9

GROWTH & DEVELOPMENT

Development of the superior colliculus. Stein BE. **Annu Rev Neurosci** 1984;7:95-125 (241 ref.)

Observations on postnatal neurogenesis in the superior colliculus and the pretectum in the opossum. Cavalcante LA, et al. **Brain Res** 1984 Apr;315(2):241-9

Quantitation of synaptic vesicle antigen in rabbit superior colliculus during normal development and after neonatal visual cortical lesion. Greif KF, et al. **Brain Res** 1983 Sep 19;275(1):143-7

Postnatal development of cat superior colliculus. I. Presumptive neurons, immature neurons and degenerating cells in the intermediate and deep layers. Warton SS, et al. **Brain Res** 1984 May;316(1):101-11

Postnatal development of corticotectal neurons in the kitten striate cortex: a quantitative study with the horseradish peroxidase technique. Tsumoto T, et al. **J Comp Neurol** 1983 Sep 1;219(1):88-99

Ganglion cell death during development of ipsilateral retino-collicular projection in golden hamster. Insausti R, et al. **Nature** 1984 Mar 22-28;308(5957):362-5

IMMUNOLOGY

Laminar organization of peptide-like immunoreactivity in the anuran optic tectum. Kuljis RO, et al. **J Comp Neurol** 1982 Dec 1;212(2):188-201

Cluster-and-sheet pattern of enkephalin-like immunoreactivity in the superior colliculus of the cat. Graybiel AM, et al. **Neuroscience** 1984 May;12(1):191-214

METABOLISM

Development of specific binding sites for [3H]kainic acid and [3H]muscimol in the chick optic tectum: modulation by early changes in visual input. Ramírez G, et al. **Adv Biochem Psychopharmacol** 1983;37:187-98

The effects of unilateral neonatal removal of visual cortex on transmitter parameters in the adult superior colliculus and lateral geniculate body. Kvale I, et al. **Brain Res** 1983 Dec;313(2):261-6

In vitro protein synthesis in the goldfish retinotectal pathway during regeneration: evidence for specific axonal proteins of retinal origin in the optic nerve. Quitschke W, et al. **J Neurochem** 1983 Oct;41(4):1137-42

Analysis of the apparent biphasic axonal transport kinetics of fucosylated glycoproteins. Goodrum JF, et al. **J Neurosci** 1984 Jul;4(7):1830-9

Dopamine receptor binding sites in the rat superior colliculus. Chivers JK, et al. **J Pharm Pharmacol** 1984 Jul;36(7):484-8

Monocular stimulation increases deoxyglucose uptake in ipsilateral primary optic centers of the rat. Isseroff A, et al. **Neurosci Lett** 1983 Nov 11;41(3):277-82

PATHOLOGY

Neonatal auditory cortex lesions result in aberrant crossed corticotectal and corticothalamic projections in rats. Land PW, et al. **Brain Res** 1984 Jan;314(1):126-30

Optic axons ignore denervated foreign territory in goldfish tectum. Marotte LR. **J Comp Neurol** 1984 May 20; 225(3):372-86

PHYSIOLOGY

The labeling of the retina and optic tectum gangliosides and glycoproteins of chickens in darkness or exposed to light. Caputto R. **Adv Exp Med Biol** 1984;174:147-54

Generation of grouped discharges by tectal projection cells. Grantyn A, et al. **Arch Ital Biol** 1984 Mar;122(1):59-71

Cholinergic system in the toad's (Bufo bufo L.) visual system. Hock FJ. **Behav Neural Biol** 1983 Jul;38(2):313-6

Effects of telencephalic ablation on visual unit, sustained potential shift, and EEGs recorded from the toad tectum in response to a visual stimulus. Laming PR, et al. **Behav Neurosci** 1984 Feb;98(1):118-24

Visual activation of neurons in the primate pulvinar depends on cortex but not colliculus. Bender DB. **Brain Res** 1983 Nov 21;279(1-2):258-61

Lesions of the superior colliculus in the rat differentiate between nigrostriatal and mesolimbic dopamine systems.

Dawbarn D, et al. **Brain Res** 1982 Mar 4;235(1):148–55
Organization of projections from the superior colliculus to the thalamic lateral posterior nucleus in the rat. Donnelly JF, et al. **Brain Res** 1983 Dec 12;288(1–2):315–9
Anterograde axoplasmic transport of peroxidase in the rat visual system after intraocular neurotoxin injection. Gomez–Ramos P, et al. **Brain Res** 1984 Jan 9;290(2):211–8
Effects on eye movements of a GABA agonist and antagonist injected into monkey superior colliculus. Hikosaka O, et al. **Brain Res** 1983 Aug 8;272(2):368–72
Visual receptive thalamopetal neurons in the optic tectum of teleosts (Holocentridae). Ito H, et al. **Brain Res** 1984 Jan 9;290(2):201–10
An anterograde HRP study of the retinocollicular pathways in normal hamsters and hamsters with one eye enucleated at birth. Jen LS, et al. **Brain Res** 1984 Feb 27;294(1):169–73
Some efferent connections of the superficial pretectum in the goldfish. Northcutt RG, et al. **Brain Res** 1984 Mar 26; 296(1):181–4
Effects of stroboscopic rearing on the response properties and laminar distribution of single units in the rabbit superior colliculus. Pearson HE, et al. **Brain Res** 1983 Sep; 285(3):241–50
'Corollary discharge' neurons in cat superior colliculus. Peck CK. **Brain Res** 1984 Feb 20;293(2):381–5
Neurons in the superior colliculus of echo–locating bats respond to ultrasonic signals. Sun X, et al. **Brain Res** 1983 Sep 19;275(1):148–52
Local excitability in the superior colliculus influences evoked responses of lateral geniculate cells in rabbits. Molotchnikoff S, et al. **Brain Res Bull** 1983 Nov; 11(5):533–45
Regional effect of monosodium–L–glutamate on the superficial layers of superior colliculus in rat. Seress L, et al. **Cell Tissue Res** 1984;235(2):453–7
In vitro experiments on axon guidance demonstrating an anterior–posterior gradient on the tectum. Bonhoeffer F, et al. **EMBO J** 1982;1(4):427–31
The striato–nigro–collicular pathway and explosive running behaviour: functional interaction between neostriatal dopamine and collicular GABA. Cools AR, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):71–7
Inhibitory nigral influence on tectospinal neurons, a possible implication of basal ganglia in orienting behavior. Chevalier G, et al. **Exp Brain Res** 1984;53(2):320–6
Effects of damage to superior colliculi and pre–tectum on movement discrimination in rhesus monkeys. Cowey A, et al. **Exp Brain Res** 1984;56(1):79–91
Representation of the binocular visual field in the superior colliculus of the albino rat. Diao YC, et al. **Exp Brain Res** 1983;52(1):67–72
Passive membrane properties, afterpotentials and repetitive firing of superior colliculus neurons studied in the anesthetized cat. Grantyn R, et al. **Exp Brain Res** 1983; 50(2–3):377–91
Double labeling of retinofugal projections in the cat: a study using anterograde transport of 3H–proline and horseradish peroxidase. Hoffmann KP, et al. **Exp Brain Res** 1984; 53(2):420–30
Zonal termination of the tecto–olivocerebellar pathway in the cat. Jeneskog T. **Exp Brain Res** 1983;49(3):353–62
Suppressive regions in the visual receptive fields of single cells of the pigeon's optic tectum. Leresche N, et al. **Exp Brain Res** 1984;53(2):327–34
Visual orientation and detection following lesions of the superior colliculus in rats. Milner AD, et al. **Exp Brain Res** 1984;56(1):106–14
Cortical and tectal control of visual orientation in the gerbil: evidence for parallel channels. Mlinar EJ, et al. **Exp Brain Res** 1984;55(1):33–48
Visual perception fields in the superficial layers of the opossum's superior colliculus: representation of the ipsi and contralateral hemifields by each eye. Ramôa AS, et al. **Exp Brain Res** 1983;49(3):373–80
Auditory compensation of the effects of visual deprivation in the cat's superior colliculus. Rauschecker JP, et al. **Exp Brain Res** 1983;50(1):69–83
Interactions between visually and electrically elicited saccades before and after superior colliculus and frontal eye field ablations in the rhesus monkey. Schiller PH, et al. **Exp Brain Res** 1983;49(3):381–92
Perioral biting reflex and turning after intranigral injection of a GABA– or metenkephalin–agonist: role of the thalamus and superior colliculus. Welzl H, et al. **Exp Brain Res** 1984;55(3):438–44
Effects of permeability of midtectal barriers in goldfish on compression of the visuotectal projection rostrally and regenerative escape caudally. Edwards MA, et al. **J Comp Neurol** 1984 Jun 10;226(1):141–53
Retinotectal terminals in the superior colliculus of the rabbit: a light and electron microscopic analysis. Schönitzer K, et al. **J Comp Neurol** 1984 Feb 20;223(2):153–62
A comparison of the normal and regenerated retinotectal pathways of goldfish. Stuermer CA, et al. **J Comp Neurol** 1984 Feb 10;223(1):57–76
Regeneration of the retinotectal projection following compression onto a half tectum in goldfish. Schmidt JT. **J Embryol Exp Morphol** 1983 Oct;77:39–51
Visual cortical inputs to deep layers of cat's superior colliculus. Berson DM, et al. **J Neurophysiol** 1983 Nov; 50(5):1143–55
Topographic organization of somatosensory corticotectal influences in cat. Clemo HR, et al. **J Neurophysiol** 1984 May;51(5):843–58
Effect of eye rotation on visual–field map onto superior colliculus and visual cortex. Gordon B, et al. **J Neurophysiol** 1983 Sep;50(3):618–30
Anatomical and functional organization of pathway from superior colliculus to lateral posterior nucleus in hamster. Mooney RD, et al. **J Neurophysiol** 1984 Mar;51(3):407–31
Visual response properties in the tectorecipient zone of the cat's lateral posterior–pulvinar complex: a comparison with the superior colliculus. Chalupa LM, et al. **J Neurosci** 1983 Dec;3(12):2587–96
An evaluation of the hypothesis of shifting terminals in goldfish optic tectum. Easter SS Jr, et al. **J Neurosci** 1984 Apr;4(4):1052–63
Target selection by surgically misdirected optic fibers in the tectum of goldfish. Meyer RL. **J Neurosci** 1984 Jan; 4(1):234–50
Rules of order in the retinotectal fascicles of goldfish. Stuermer CA, et al. **J Neurosci** 1984 Apr;4(4):1045–51
The visuotectal projection following translocation of grafts within an optic tectum in the goldfish. Gaze RM, et al. **J Physiol (Lond)** 1983 Nov;344:257–75
Altered somatosensory receptive fields in hamster colliculus after infraorbital nerve section and xylocaine injection. Jacquin MF, et al. **J Physiol (Lond)** 1984 Mar;348:471–92
Cells responsive to free–field auditory stimuli in guinea–pig superior colliculus: distribution and response properties. King AJ, et al. **J Physiol (Lond)** 1983 Sep;342:361–81
Real–time optical imaging of naturally evoked electrical activity in intact frog brain. Grinvald A, et al. **Nature** 1984 Apr 26–May 2;308(5962):848–50
Auditory receptive fields in primate superior colliculus shift with changes in eye position. Jay MF, et al. **Nature** 1984 May 24–30;309(5966):345–7
Specification of tecto–motor outflow in toads by antidromic stimulation of tecto–bulbar/spinal pathways. Satou M, et al. **Naturwissenschaften** 1984 Jan;71(1):52–3
Ketamine–induced modification of photic evoked potentials in the superior colliculus of hooded rats. Hetzler BE, et al. **Neuropharmacology** 1984 Apr;23(4):473–6
Neuronal level of organization of the visual analyzer in frog tectum. Aleinikova TV, et al. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):313–8
Neonatal retinal ganglion cell cultures of high purity: effect of superior colliculus on their survival. Armson PF, et al. **Neurosci Lett** 1983 Jul 29;38(2):181–6
The retinal location and fate of ganglion cells which project to the ipsilateral superior colliculus in neonatal albino and hooded rats. Martin PR, et al. **Neurosci Lett** 1983 Nov 11;41(3):219–26
Long collateral branches of substantia nigra pars reticulata axons to thalamus, superior colliculus and reticular formation in monkey and cat. Multiple retrograde neuronal labeling with fluorescent dyes. Beckstead RM. **Neuroscience** 1983 Nov;10(3):767–79
Spatio–temporal organization of a branched tecto–spinal/tecto–diencephalic neuronal system. Chevalier G, et al. **Neuroscience** 1984 Jun;12(2):427–39
Unilateral injection of GABA agonists in the superior colliculus: asymmetry to tactile stimulation. Di Scala G, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):281–5
Rotational behavior following cholinergic stimulation of the superior colliculus in rats. Weldon DA, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):813–20
Dissociation of stimulation–bound feeding and apomorphine–induced gnawing by lesions of superior colliculus. Dean P, et al. **Physiol Behav** 1984 Mar; 32(3):417–22
Alteration of the retinotectal map in Xenopus by antibodies to neural cell adhesion molecules. Fraser SE, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4222–6
Peptides from the regenerating central nervous system of goldfish stimulate glia. Giulian D. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3567–71
Transported proteins in the regenerating optic nerve: regulation by interactions with the optic tectum. Benowitz LI, et al. **Science** 1983 Oct 14;222(4620):185–8
Early auditory experience aligns the auditory map of space in the optic tectum of the barn owl. Knudsen EI. **Science** 1983 Nov 25;222(4626):939–42
[Small–field receptor monocular neurons in the optic tectum of frogs: analytical properties and problems of classification] Gaillard F. **J Physiol (Paris)** 1984; 79(3):139–44 (Eng. Abstr.) (Fre)
[Neural activities of the central grey matter in saccadic eye movements] Nagata R, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1127–31 (Eng. Abstr.) (Jpn)
[Neuron–vascular connections in the superior geniculate body and anterior bigeminal body of cats after acceleration] Boiarkina IV. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):63–5 (Eng. Abstr.) (Rus)
[Function of the superior colliculi of the corpora quadrigemina during creation of a local focus of increased excitability in the mesencephalic reticular formation and sensomotor cortex] Panakhova EN, et al. **Zh Vysh Nerv Deiat** 1984 Jan–Feb;34(1):115–23 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Expansion and retinotopic order in the goldfish retinotectal map after large retinal lesions. Udin SB, et al. **Exp Brain Res** 1983;50(2–3):347–52

ULTRASTRUCTURE

The morphology and maturation of the optic tectum of the small shark (Hemiscyllium plagiosum): a morphometrical, ultrastructural and histochemical study. Yew DT, et al. **Anat Anz** 1983;154(5):397–411
A pattern of optic axons in the normal goldfish tectum consistent with the caudal migration of optic terminals during development. Cook JE, et al. **Exp Brain Res** 1983; 52(1):147–51
Cytoarchitecture and ultrastructure of nucleus prethalamicus, with special reference to degenerating afferents from optic tectum and telencephalon, in a teleost (Holocentrus ascensionis). Ito H, et al. **J Comp Neurol** 1983 Dec 20; 221(4):401–15
Nigral and cerebellar synaptic terminals in the intermediate and deep layers of the cat superior colliculus revealed by lesioning studies. Warton S, et al. **Neuroscience** 1983 Nov; 10(3):789–800
Matrix area activity in the regenerating optic tectum of Rana esculenta. del Grande P, et al. **Z Mikrosk Anat Forsch** 1984; 98(1):72–80

SUPERIOR MESENTERIC ARTERY SYNDROME see under **DUODENAL OBSTRUCTION**

SUPEROVULATION see under **OVULATION**

SUPEROXIDE

Preparation and stabilization of aqueous/ethanolic superoxide solutions. Bielski BH, et al. **Anal Biochem** 1983 Aug; 133(1):170–8
Oxidation of alpha–tocopherol in micelles and liposomes by the hydroxyl, perhydroxyl, and superoxide free radicals. Fukuzawa K, et al. **Arch Biochem Biophys** 1983 Oct 1; 226(1):242–51
On the mechanism of production of superoxide radical by reaction mixtures containing NADH, phenazine methosulfate, and nitroblue tetrazolium. Picker SD, et al. **Arch Biochem Biophys** 1984 Jan;228(1):155–8
Asbestos catalyzes hydroxyl and superoxide radical generation from hydrogen peroxide. Weitzman SA, et al. **Arch Biochem Biophys** 1984 Jan;228(1):373–6
Desferrioxamine: a scavenger of superoxide radicals? Sinaceur J, et al. **Biochem Pharmacol** 1984 May 15; 33(10):1693–4
Mechanism of deoxyribonucleic acid breakage induced by 4'–(9–acridinylamino)methanesulfon–m–anisidide and copper: role for cuprous ion and oxygen free radicals. Wong A, et al. **Biochemistry** 1984 Jun 19;23(13):2946–52
DNA damage by superoxide–generating systems in relation to the mechanism of action of the anti–tumour antibiotic adriamycin. Rowley DA, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):86–93
Oxidation of glutathione by the superoxide radical to the disulfide and the sulfonate yielding singlet oxygen. Wefers H, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):29–36
Lipid peroxidation initiated by superoxide–dependent hydroxyl radicals using complexed iron and hydrogen peroxide. Gutteridge JM. **FEBS Lett** 1984 Jul 9; 172(2):245–9
Generation of hydrogen peroxide and superoxide anion radical from cigarette smoke. Nakayama T, et al. **Gann** 1984 Feb;75(2):95–8
Studies on the phenazine methosulphate—tetrazolium salt capture reaction in NAD(P)+–dependent dehydrogenase cytochemistry. III. The role of superoxide in tetrazolium reduction. Raap AK. **Histochem J** 1983 Oct;15(10):977–86
On reaction of sterol hydroperoxides with superoxide. Made Gowda NM, et al. **J Steroid Biochem** 1984 Apr; 20(4A):917–22
Search for singlet oxygen luminescence in the disproportionation of HO2/O2. Arudi RL, et al. **Photochem Photobiol** 1984 May;39(5):703–6
Inhibition of DNA–ethidium bromide intercalation due to free radical attack upon DNA. II. Copper(II)–catalysed DNA damage by O.2–. Prütz WA. **Radiat Environ Biophys** 1984;23(1):7–18
[Formation of complexes of superoxide anion radicals with Ca++] Babizhaev MA, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):47–8 (Eng. Abstr.) (Rus)

ANALYSIS

Pulse radiolysis methodology. Asmus KD. **Methods Enzymol** 1984;105:167–78
Spin trapping of superoxide and hydroxyl radicals. Rosen GM, et al. **Methods Enzymol** 1984;105:198–209
Methods for the study of superoxide chemistry in nonaqueous solutions. Valentine JS, et al. **Methods Enzymol** 1984; 105:71–81

BIOSYNTHESIS

Changes in superoxide anion production in neutrophils from multitransfused beta–thalassemia patients: correlation with ferritin levels and liver damage. de Martino M, et al. **Acta Haematol (Basel)** 1984;71(5):289–98
X–ray effects on lens DNA–implications of superoxide (O(2)). Srivastava VK, et al. **Acta Ophthalmol (Copenh)**

1983 Oct;61(5):860–8

Increased chemiluminescence and superoxide production in the liver of chronically ethanol–treated rats. Boveris A, et al. **Arch Biochem Biophys** 1983 Dec;227(2):534–41

Superoxide generation by NADPH–cytochrome P–450 reductase: the effect of iron chelators and the role of superoxide in microsomal lipid peroxidation. Morehouse LA, et al. **Arch Biochem Biophys** 1984 Jul;232(1):366–77

Alpha 2–macroglobulin 'fast' forms inhibit superoxide production by activated macrophages. Hoffman M, et al. **Biochim Biophys Acta** 1983 Nov 8;760(3):421–3

Adenosine deaminase is not required for the generation of superoxide anion. Cronstein BN, et al. **Clin Immunol Immunopathol** 1984 Mar;30(3):495–9

Impaired oxidative metabolism by leukocytes from renal transplant recipients: a potential mechanism for the increased susceptibility to infection. Shah SV, et al. **Clin Nephrol** 1984 Feb;21(2):89–90, 91–2

Poly–L–arginine and an N–formylated chemotactic peptide act synergistically with lectins and calcium ionophore to induce intense chemiluminescence and superoxide production in human blood leukocytes. Modulation by metabolic inhibitors, sugars, and polyelectrolytes. Ginsburg I, et al. **Inflammation** 1984 Mar;8(1):1–26 (49 ref.)

Effect of antiinflammatory agents on neutrophil superoxide production in rheumatoid arthritis. Spisani S, et al. **Inflammation** 1984 Mar;8(1):45–52

Superoxide production in neutrophils of patients with rheumatoid arthritis and Felty's syndrome. Chiu PL, et al. **J Rheumatol** 1983 Oct;10(5):694–700

Generation of superoxide anions during phagocytosis by monocytes of uremic patients. Glazer T, et al. **Nephron** 1984;38(1):40–3

BLOOD

Superoxide anion (O2–) production by neutrophils in refractory anemia with excess of blasts. Takahashi I, et al. **Acta Med Okayama** 1983 Oct;37(5):417–21

Low superoxide levels in blood phagocytic cells in Down's syndrome. Annerén G, et al. **Acta Paediatr Scand** 1984 May;73(3):345–8

Effect of Coxiella burnetii on the stimulation of hexose monophosphate shunt and on superoxide anion production in human polymorphonuclear leukocytes. Ferenčík M, et al. **Acta Virol (Praha)** 1984 May;28(3):246–50

Urate crystal–induced superoxide radical production by human neutrophils. Salerno C, et al. **Adv Exp Med Biol** 1984;165 Pt A:189–92

Pseudo–inhibitors of neutrophil superoxide production: evidence that soybean–derived polypeptides are superoxide dismutases. Abramovitz AS, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):22–9

Diacylglycerol, 1–oleoyl–2–acetyl–glycerol, stimulates superoxide–generation from human neutrophils. Fujita I, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):318–24

Superoxide release by neutrophils: synergistic effects of a phorbol ester and a calcium ionophore. Robinson JM, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):734–9

Activation of the human neutrophil respiratory burst with zymosan–activated serum. Smith RJ, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):695–701

Effect of anti–inflammatory drugs on leukocyte superoxide production by soluble and particulate stimuli. Spisani S, et al. **Biochem Int** 1984 Jul;9(1):1–8

Enhancement of neutrophil response by SH–containing compounds: modulation of superoxide and hydrogen peroxide production. Rajkovic IA, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1249–56

Superoxide production of human polymorphonuclear leukocytes stimulated by leukotriene B4. Sumimoto H, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):271–7

The effect of lipid peroxidation on transport function in human erythrocytes. Maridonneau I, et al. **Biomed Biochim Acta** 1983;42(11–12):S58–62

Superoxide radicals in the metabolism of the red cell. Müller M, et al. **Biomed Biochim Acta** 1983;42(11–12):S297–301

Haemoglobin oxidation and free radical production in the red cell. Winterbourn CC. **Biomed Biochim Acta** 1983; 42(11–12):S134–8

The interactive effects of fluoride and N–formyl–L–methionyl–L–leucyl–L–phenylalanine on superoxide production and cAMP levels in human neutrophils. Wong K. **Can J Biochem Cell Biol** 1983 Jul; 61(7):569–78

The measurement of superoxide anion production by granulocytes In whole blood. A clinical test for the evaluation of phagocyte function and serum opsonic capacity. Bellavite P, et al. **Eur J Clin Invest** 1983 Aug; 13(4):363–8

An opsonised electrode. The direct electrochemical detection of superoxide generated by human neutrophils. Green MJ, et al. **FEBS Lett** 1984 May 7;170(1):69–72

Triphenyltin chloride inhibits superoxide production by human neutrophils stimulated with a surface active agent. Matsui H, et al. **FEBS Lett** 1983 Dec 12;164(2):251–4

Effect of maleimide derivatives, sulfhydryl reagents, on stimulation of neutrophil superoxide anion generation with concanavalin A. Yamashita T. **FEBS Lett** 1983 Dec 12; 164(2):267–71

Superoxide radical production by human leukocytes exposed to immune complexes: inhibitory action of gold compounds. Roisman FR, et al. **Inflammation** 1983 Dec; 7(4):355–62

Separation of three menadione–dependent, O2—generating, pyridine nucleotide–oxidizing enzymes in guinea pig polymorphonuclear leukocytes. Sakane F, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):931–6

Inhibition of superoxide production in human neutrophils by purified soybean polypeptides. Re–evaluation of the involvement of proteases. Abramovitz AS, et al. **J Biol Chem** 1983 Dec 25;258(24):15153–7

Effects of free fatty acids on release of superoxide and on change of shape by human neutrophils. Reversibility by albumin. Badwey JA, et al. **J Biol Chem** 1984 Jun 25; 259(12):7870–7

Leishmanial phosphatase blocks neutrophil O–2 production. Remaley AT, et al. **J Biol Chem** 1984 Sep 25; 259(18):11173–5

Generatiɔn of superoxide ion in human red blood cell lysates. Scarpa M, et al. **J Biol Chem** 1984 Sep 10;259(17):10657–9

Iron mobilization from ferritin by superoxide derived from stimulated polymorphonuclear leukocytes. Possible mechanism in inflammation diseases. Biemond P, et al. **J Clin Invest** 1984 Jun;73(6):1576–9

Functional maturation of membrane potential changes and superoxide–producing capacity during differentiation of human granulocytes. Kitagawa S, et al. **J Clin Invest** 1984 Apr;73(4):1062–71

Adenosine: a physiological modulator of superoxide anion generation by human neutrophils. Cronstein BN, et al. **J Exp Med** 1983 Oct 1;158(4):1160–77

Cyclical abnormalities in the bactericidal function, superoxide production, and lysozyme activity of neutrophils obtained from a healthy woman during menstruation: reversal by pretreatment with aspirin. Berger EM, et al. **J Infect Dis** 1984 Mar;149(3):413–9

The comparative responses of human polymorphonuclear leukocytes obtained by counterflow centrifugal elutriation and Ficoll–Hypaque density centrifugation. I. Resting volume, stimulus–induced superoxide production, and primary and specific granule release. Berkow RL, et al. **J Lab Clin Med** 1983 Nov;102(5):732–42

Lag period for superoxide anion generation and lysosomal enzyme release from human neutrophils: effects of calcium antagonists and anion channel blockers. Smolen JE. **J Lab Clin Med** 1984 Jul;104(1):1–10

Cytochalasin B facilitates the inhibition of human polymorphonuclear leukocyte generation of superoxide by verapamil. Steiner RD, et al. **J Lab Clin Med** 1984 Jun; 103(6):949–58

Suppression of superoxide generation by normal polymorphonuclear leucocytes preincubated in plasma from patients with rheumatoid arthritis and neutropenia. Friman C, et al. **Med Biol** 1984;62(2):89–90

Measurement of oxidizing radicals by polymorphonuclear leukocytes. Clifford DP, et al. **Methods Enzymol** 1984; 105:393–8

Measurement of O2– production by human neutrophils. The preparation and assay of NADPH oxidase–containing particles from human neutrophils. Markert M, et al. **Methods Enzymol** 1984;105:358–65

[Evaluation of the production of superoxide anions (O2–) by neutrophils as an explanation of their impaired bactericidal capacity in patients with diabetes mellitus] Wierusz–Wysocka B, et al. **Pol Arch Med Wewn** 1984 Feb; 71(2):101–7 (Eng. Abstr.) **(Pol)**

METABOLISM

Posthypotensive generation of superoxide free radicals—possible role in the pathogenesis of the intestinal mucosal damage. Schoenberg MH, et al. **Acta Chir Scand** 1984;150(4):301–9

Generation of active forms of oxygen at Cu2+–catalyzed oxidation of haemoglobin—haemiluminescent study. Bochev P, et al. **Acta Physiol Pharmacol Bulg** 1983; 9(1):59–65

Ascorbic acid: a scavenger of superoxide radical. Som S, et al. **Acta Vitaminol Enzymol** 1983;5(4):243–50

Anti–inflammatory effects of polyamines in serotonin and carrageenan paw edemata – possible mechanism to increase vascular permeability inhibitory protein level which is regulated by glucocorticoids and superoxide radical. Oyanagui Y. **Agents Actions** 1984 Feb;14(2):228–37

Stimulus specificity of prostaglandin inhibition of rabbit polymorphonuclear leukocyte lysosomal enzyme release and superoxide anion production. Fantone JC, et al. **Am J Pathol** 1984 Apr;115(1):9–16

Rat neutrophil activation and effects of lipoxygenase and cyclooxygenase inhibitors. Ward PA, et al. **Am J Pathol** 1984 Aug;116(2):223–33

Myocardial alterations due to free–radical generation. Burton KP, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H776–83

Effects of a series of chloromethyl ketone protease inhibitors on superoxide release and the glutathione system in human polymorphonuclear leukocytes and alveolar macrophages. Sibille Y, et al. **Am Rev Respir Dis** 1984 Jul;130(1):110–4

Effect of chelating agents and superoxide on human neutrophil NAD(P)H oxidation. Goetz MB, et al. **Anal Biochem** 1984 Feb;137(1):230–5

Monocyte superoxide anion production in rheumatoid arthritis: preliminary evidence for enhanced rates of superoxide anion production by monocytes from patients receiving penicillamine, sodium aurothiomalate and corticosteroids. Hurst NP, et al. **Ann Rheum Dis** 1984 Feb; 43(1):28–33

Vanadate and molybdate stimulate the oxidation of NADH by superoxide radical. Darr D, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):562–5

Changes in protein phosphorylation in guinea pig polymorphonuclear leukocytes by treatment with membrane–perturbing agents which stimulate superoxide anion production. Okamura N, et al. **Arch Biochem Biophys** 1984 Jan;228(1):270–7

Superoxide anion permeability of phospholipid membranes and chloroplast thylakoids. Takahashi MA, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):558–66

Oxygen radical formation induced by gossypol in rat liver microsomes and human sperm. de Peyster A, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):573–9

Superoxide–dependent lipid peroxidation. Problems with the use of catalase as a specific probe for fenton–derived hydroxyl radicals. Gutteridge JM, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):901–7

Reaction of biological phenolic antioxidants with superoxide generated by cytochrome P–450 model system. Tajima K, et al. **Biochem Biophys Res Commun** 1983 Sep 30; 115(3):1002–8

Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'–(9–acridinylamino)–methanesulfon–m–anisidide, and neocarzinostatin. Doroshow JH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2935–9

Inhibition of oxygen radical metabolism in phorbol ester–activated polymorphonuclear leukocytes by an antitumor promoting copper complex with superoxide dismutase–mimetic activity. Kensler TW, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3485–7

Free radical metabolism of hydralazine. Binding and degradation of nucleic acids. Sinha BK, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3279–84

Stimulation of the human neutrophil superoxide anion–generating system with 1–O–hexadecyl/octadecyl–2–acetyl–sn–glyceryl–3–phosphorylcholine. Smith RJ, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):973–8

Relationship of cyclic–AMP levels in leukotriene B4–stimulated leukocytes to lysosomal enzyme release and the generation of superoxide anions. Claesson HE, et al. **Biochim Biophys Acta** 1984 May 22;804(1):52–7

The production of oxygen–centered radicals by bacillus–Calmette–Guerin–activated macrophages. An electron paramagnetic resonance study of the response to phorbol myristate acetate. Hume DA, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):245–50

Production of active oxygen species (1O2 and O2–.) by psoralens and ultraviolet radiation (320–400 nm). Pathak MA, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):115–26

Inhibition of the O2– –generating NADPH oxidase of guinea–pig polymorphonuclear leukocytes by rabbit antibody to homologous liver NADPH–cytochrome c (P–450) reductase. Takayama H, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):151–7

Hyperoxia enhances lung and liver nuclear superoxide generation. Yusa T, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):167–74

Lipid peroxidation and the reactions of superoxide and hydrogen peroxide in mouse spermatozoa. Alvarez JG, et al. **Biol Reprod** 1984 May;30(4):833–41

Formation of superoxide radicals after FeCl3 injection into rat isocortex. Willmore LJ, et al. **Brain Res** 1983 Oct 31; 277(2):393–6

Deficient superoxide–generating activity and its activation of blood monocytes in cancer patients. Nakagawara A, et al. **Cancer Lett** 1984 Mar;22(2):157–62

Oxygen radical detoxification enzymes in doxorubicin–sensitive and –resistant P388 murine leukemia cells. Ramu A, et al. **Cancer Res** 1984 May;44(5):1976–80

Activated oxygen and mammalian nitrate biosynthesis. Dull BJ, et al. **Carcinogenesis** 1984 Sep;5(9):1161–4

Free radical mediation of the effects of acidosis on calcium transport by cardiac sarcoplasmic reticulum in whole heart homogenates. Hess ML, et al. **Cardiovasc Res** 1984 Mar; 18(3):149–57

Role of intrapulmonary release of eicosanoids and superoxide anion as mediators of pulmonary dysfunction and endothelial injury in sheep with intermittent complement activation. Perkowski SZ, et al. **Circ Res** 1983 Nov; 53(5):574–83

Superoxide radical involvement in the pathogenesis of burn shock. Sáez JC, et al. **Circ Shock** 1984;12(4):229–39

NADPH oxidase of neutrophils forms superoxide anion but does not reduce cytochrome c and dichlorophenolindophenol. Bellavite P, et al. **FEBS Lett** 1984 May 7;170(1):157–61

Photogeneration of superoxide by adriamycin and daunomycin. An electron spin resonance and spin trapping study. Carmichael AJ, et al. **FEBS Lett** 1983 Dec 12; 164(2):401–5

Partial defect of neutrophil oxidative metabolism in Crohn's disease. Verspaget HW, et al. **Gut** 1984 Aug;25(8):849–53

Production of superoxide anion, prostaglandins, and hydroxyeicosatetraenoic acids by macrophages from hypersensitivity–type (Schistosoma mansoni egg) and foreign body–type granulomas. Chensue SW, et al. **Infect Immun** 1983 Dec;42(3):1116–25

Biphasic effects of muramyl dipeptide or lipopolysaccharide on superoxide anion-generating activities of macrophages. Yagawa K, et al. **Infect Immun** 1984 Jul;45(1):82-6
Differential inhibition of neutrophil superoxide generation by nonsteroidal antiinflammatory drugs. Gay JC, et al. **Inflammation** 1984 Jun;8(2):209-22
Evidence for the participation of superoxide anion radical in altering the adhesive interaction between granulocytes and endothelium, in vivo. Del Maestro RF, et al. **Int J Microcirc Clin Exp** 1982;1(2):105-20
Triggering of the superoxide generation of macrophages by crosslinking of Fc gamma receptor. Aida Y, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1067-72
Kinetics of superoxide formation by respiratory chain NADH- dehydrogenase of bovine heart mitochondria. Kang D, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1301-6
Oxygen metabolism of human colostral macrophages: comparison with monocytes and polymorphonuclear leukocytes. Tsuda H, et al. **J Biochem (Tokyo)** 1984 May; 95(5):1237-45
Generation of free radical metabolites and superoxide anion by the calcium indicators arsenazo III, antipyrylazo III, and murexide in rat liver microsomes. Docampo R, et al. **J Biol Chem** 1983 Dec 25;258(24):14920-5
Development of the superoxide-generating system during differentiation of the HL-60 human promyelocytic leukemia cell line. Newburger PE, et al. **J Biol Chem** 1984 Mar 25;259(6):3771-6
Excretion of superoxide by phagocytes measured with cytochrome c entrapped in resealed erythrocyte ghosts. Roos D, et al. **J Biol Chem** 1984 Feb 10;259(3):1770-5
Enzymatic basis of macrophage activation. Kinetic analysis of superoxide production in lysates of resident and activated mouse peritoneal macrophages and granulocytes. Tsunawaki S, et al. **J Biol Chem** 1984 Apr 10; 259(7):4305-12
Inhibition of oxygen-centered free radical formation by the stable prostacyclin-mimetic iloprost (ZK 36 374) in acute myocardial ischemia [letter] Thiemermann C, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):365-6
Determinants of the production of active oxygen species by granulocytes and macrophages. Karnovsky ML, et al. **J Clin Chem Clin Biochem** 1983 Sep;21(9):545-53
Role of superoxide anion in host cell injury induced by mycoplasma pneumoniae infection. A study in normal and trisomy 21 cells. Almagor M, et al. **J Clin Invest** 1984 Mar; 73(3):842-7
Oxidized N-formylmethionyl-leucyl-phenylalanine: effect on the activation of human monocyte and neutrophil chemotaxis and superoxide production. Harvath L, et al. **J Immunol** 1984 Sep;133(3):1471-6
Activation of murine macrophage cell lines. Possible involvement of protein kinases in stimulation of superoxide production. Kiyotaki C, et al. **J Immunol** 1984 Aug; 133(2):923-31
Oxygen metabolism in cloned macrophage cell lines: glucose dependence of superoxide production, metabolic and spectral analysis. Kiyotaki C, et al. **J Immunol** 1984 Feb; 132(2):857-66
The use of acetylated cytochrome c in detecting superoxide anion production in rabbit alveolar macrophages. Nasrallah VN Jr, et al. **J Immunol** 1983 Nov;131(5):2104-6
The role of active oxygen (1O2 and O(2)) induced by crude coal tar and its ingredients used in photochemotherapy of skin diseases. Joshi PC, et al. **J Invest Dermatol** 1984 Jan; 82(1):67-73
Superoxide generation by neonatal and adult rabbit alveolar macrophages. Sherman MP, et al. **J Leukocyte Biol** 1984 Jul;36(1):39-50
Effect of superoxide generation on rat heart mitochondrial pyruvate utilization. Guarnieri C, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):859-62
Effect of gold compounds on phorbol myristic acetate (PMA) activated superoxide (O2-) production by mouse peritoneal macrophages. Sung CP, et al. **J Rheumatol** 1984 Apr; 11(2):153-7
Involvement of hydroxyl free radical, but not superoxide, in the cytolytic pathway of natural killer cells. Revision of an earlier hypothesis. Duwe AK, et al. **Med Biol** 1984; 62(2):95-100
Neutrophil function and HLA-B27. Superoxide production and yersinicidal activity of neutrophils from patients with previous yersinia arthritis. Repo H, et al. **Med Biol** 1984; 62(2):91-4
An etiologic basis for congestive heart failure on the molecular level. Peterson DA. **Med Hypotheses** 1984 Jan; 13(1):109-13
Determination of the production of superoxide radicals and hydrogen peroxide in mitochondria. Boveris A. **Methods Enzymol** 1984;105:429-35
Biochemistry of oxygen radical species. Brunori M, et al. **Methods Enzymol** 1984;105:22-35
Systemic consequences of O2- production. Del Maestro R. **Methods Enzymol** 1984;105:386-9
Overview: biological sources of O2-. Fridovich I. **Methods Enzymol** 1984;105:59-61
Role of iron in oxygen radical reactions. Halliwell B, et al. **Methods Enzymol** 1984;105:47-56
Exacerbation of superoxide radical formation by paraquat. Hassan HM. **Methods Enzymol** 1984;105:523-32
Measurement of O2- secreted by monocytes and macrophages. Johnston RB Jr. **Methods Enzymol** 1984; 105:365-9
Superoxide production. O'Brien PJ. **Methods Enzymol** 1984; 105:370-8
Detection and measurement of drug-induced oxygen radical formation. Smith MT, et al. **Methods Enzymol** 1984; 105:505-10
Superoxide anion generated by potassium superoxide is cytotoxic and mutagenic to chinese hamster ovary cells. Cunningham ML, et al. **Mutat Res** 1983 Sep; 121(3-4):299-304
Manganese ions, oxidation reactions and the superoxide radical. Halliwell B. **Neurotoxicology (Park Forest Il)** 1984 Spring;5(1):113-7
Superoxide production of polymorphonuclear leukocytes in patients with hematological disorders. Kitamura T, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1487-96
Superoxide anion (O2) production by neutrophils in leukemia and related diseases. Takahashi I, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1497-505
Superoxide formation by neutrophils during phagocytosis. Takeshige K, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Dec;46(7):1443-50
Inhibiting effect of levamisole on superoxide production from rat mast cells. Schinetti ML, et al. **Pharmacol Res Commun** 1984 Jan;16(1):101-7
Involvement of superoxide ions in the oxidation of NADH by melanins. Crippa PR, et al. **Physiol Chem Phys** 1983; 15(1):51-6
Studies on the possible involvement of singlet oxygen and superoxide anion radicals in the cyclo-oxygenase reaction. Baumann J, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):139-52
Changes in the activity of superoxide-dismutase (SOD) under the influence of 60Co-gamma irradiation and the O2-scavenger ability of SH-containing radioprotectors in vivo and in vitro. Schweitzer K, et al. **Radiobiol Radiother (Berl)** 1983;24(6):753-61
A role for glutathione disulfide as a scavenger of oxygen radicals produced by 2,3-dichloro-1,4-naphthoquinone. Pritsos CA, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov;42(2):271-80
Regulation of superoxide anion release by mouse macrophages in culture. Berton G, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):610-3
[Reduced production of superoxide (02(-))] in peritoneal macrophages of the rat submitted to acute alcoholic intoxication] Andreana A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1714-7 (Eng. Abstr.) **(Ita)**
[Generation of superoxide radical by neutrophils in Behçet's disease] Fujita Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):621-6 (Eng. Abstr.) **(Jpn)**
[Permeability of bilayer phospholipid membranes to superoxide oxygen radicals] Gus'kova RA, et al. **Biokhimiia** 1984 May;49(5):758-66 (Eng. Abstr.) **(Rus)**
[Formation of superoxide radicals in the mitochondria of skeletal muscle] Koshkin VV. **Biokhimiia** 1983 Dec; 48(12):1965-9 (Eng. Abstr.) **(Rus)**
[The role of the system of superoxide radical formation and detoxication in the mechanism of the antineoplastic effect of adriamycin] Tarakhovskiĭ AM, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):86-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Oxygen radicals: effects on intestinal vascular permeability. Parks DA, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G167-70
Oxygen free-radicals mediate an inhibition of proteoglycan synthesis in cultured articular cartilage. Bates EJ, et al. **Ann Rheum Dis** 1984 Jun;43(3):462-9
Superoxide and hydrogen peroxide-dependent lipid peroxidation in intact and triton-dispersed erythrocyte membranes. Girotti AW, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):474-80
Superoxide enhances photobleaching during cellular immune attack against fluorescent lipid monolayer membranes. Hafeman DG, et al. **Biochim Biophys Acta** 1984 Apr 25; 772(1):20-8
Superoxide anion radical as an indirect mediator in ocular inflammatory disease. Sery TW, et al. **Curr Eye Res** 1984 Jan;3(1):243-52
Acute and irreversible injury following exposure of cultured cells to reactive oxygen metabolites. Thaw HH, et al. **Eur J Cell Biol** 1983 Jul;31(1):46-54
Pneumocystis carinii: oxygen uptake, antioxidant enzymes, and susceptibility to oxygen-mediated damage. Pesanti EL. **Infect Immun** 1984 Apr;44(1):7-11
Identifying superoxide-sensitive progenitor cells in mouse bone marrow. Chelack WS, et al. **Int J Radiat Biol** 1983 Nov;44(5):523-9
The reaction of superoxide radical with catalase. Mechanism of the inhibition of catalase by superoxide radical. Shimizu N, et al. **J Biol Chem** 1984 Apr 10;259(7):4414-8
The analogous mechanisms of enzymatic inactivation induced by ascorbate and superoxide in the presence of copper. Shinar E, et al. **J Biol Chem** 1983 Dec 25;258(24):14778-83
The effect of oxygen-derived free radicals on gingival proteoglycans and hyaluronic acid. Bartold PM, et al. **J Periodont Res** 1984 Jul;19(4):390-400

PHYSIOLOGY

Complementation in monocyte hybrids revealing genetic heterogeneity in chronic granulomatous disease. Hamers MN, et al. **Nature** 1984 Feb 9-15;307(5951):553-5

RADIATION EFFECTS

Generation of superoxide radicals in aqueous and ethanolic solutions by vacuum-UV photolysis. Bielski BH. **Methods Enzymol** 1984;105:81-8

TOXICITY

Disorder in human myelin induced by superoxide radical: an in vitro investigation. Chia LS, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):141-6
Chromosome damage caused by enzymically generated active oxygen species. Phillips BJ, et al. **Dev Toxicol Environ Sci** 1983;11:371-4
Free radicals-induced changes in mesenteric microvascular dimensions in the anesthetized cat. Okabe E, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1233-9
Determination of microbial damage caused by oxygen free radicals, and the protective role of superoxide dismutase. Hassan HM. **Methods Enzymol** 1984;105:404-12
Determination of the mutagenicity of oxygen free radicals using microbial systems. Hassan HM, et al. **Methods Enzymol** 1984;105:254-63
Genetic damage in CHO cells exposed to enzymically generated active oxygen species. Phillips BJ, et al. **Mutat Res** 1984 May;126(3):265-71
Induction of chromosomal aberrations in cultured Chinese hamster cells in a superoxide-generating system. Sofuni T, et al. **Mutat Res** 1984 May;140(1):27-31

SUPEROXIDE DISMUTASE

Manganese and iron superoxide dismutases are structural homologs. Stallings WC, et al. **J Biol Chem** 1984 Sep 10; 259(17):10695-9
Electrostatic recognition between superoxide and copper, zinc superoxide dismutase. Getzoff ED, et al. **Nature** 1983 Nov 17-23;306(5940):287-90
Structure and mechanism of copper, zinc superoxide dismutase. Tainer JA, et al. **Nature** 1983 Nov 17-23; 306(5940):284-7
Bis[cyclo(histidylhistidine)]copper(II) complex that mimicks the active center of superoxide dismutase has its catalytic activity. Kubota S, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3283-6

ADMINISTRATION & DOSAGE

Canine myocardial reperfusion injury. Its reduction by the combined administration of superoxide dismutase and catalase. Jolly SR, et al. **Circ Res** 1984 Mar;54(3):277-85
[Therapy of acute radiation cystitis. A case report] Mayer P, et al. **Urologe [Ausg A]** 1984 Jan;23(1):65-7 (Eng. Abstr.) **(Ger)**
[Radioprotective effect of superoxide dismutase and a deuteroporphyrin-IX derivative on radiation-damaged mammalian cells] Iartsev EI, et al. **Radiobiologiia** 1983 Sep-Oct;23(5):620-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

A rotating disk electrode for kinetic studies of superoxide dismutases: applicability in a wide pH range and for continuous monitoring of enzyme inactivation. Argese E, et al. **Anal Biochem** 1983 Jul 1;132(1):110-4
Superoxide dismutase assay using alkaline dimethylsulfoxide as superoxide anion-generating system. Hyland K, et al. **Anal Biochem** 1983 Dec;135(2):280-7
The pyrogallol assay for superoxide dismutase: absence of a glutathione artifact. Roth EF Jr, et al. **Anal Biochem** 1984 Feb;137(1):50-3
CuZn superoxide dismutase, Mn superoxide dismutase, catalase and glutathione peroxidase in glutathione-deficient human fibroblasts. Marklund SL, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):302-5
Purification and properties of a manganese-containing superoxide dismutase from Acholeplasma laidlawii. Reinards R, et al. **Hoppe Seylers Z Physiol Chem** 1984 May; 365(5):577-85
Variation of superoxide dismutase levels in extracts of Mycobacterium leprae from armadillo liver. Wheeler PR. **Int J Lepr** 1984 Mar;52(1):49-54
The immunolocalization of copper-zinc superoxide dismutase in canine tissues. Thaete LG, et al. **J Histochem Cytochem** 1983 Dec;31(12):1399-406
Enzyme-linked immunosorbent assay for human manganese-containing superoxide dismutase and its content in lung cancer. Iizuka S, et al. **JNCI** 1984 May;72(5):1043-9
Lowered superoxide dismutase activity in distant organs of tumor-bearing mice. Leuthauser SW, et al. **JNCI** 1984 May;72(5):1065-74
Superoxide dismutase assays. Flohé L, et al. **Methods Enzymol** 1984;105:93-104
Subcellular distribution of superoxide dismutases in rat liver. Geller BL, et al. **Methods Enzymol** 1984;105:105-14
Assay of superoxide dismutase activity in tumor tissue. Oberley LW, et al. **Methods Enzymol** 1984;105:457-64
Superoxide dismutase activities in Yoshida ascites tumor cells. Vanella A, et al. **Pharmacol Res Commun** 1983 Jul;

15(7):641–6

[Variations in pulmonary superoxide dismutase in human pathology (letter)] Kopferschmitt J, et al. **Presse Med** 1983 Dec 17;12(46):2948–9 **(Fre)**

[Several anatomo–biological aspects of reactive arthritis] Laoussadi S, et al. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):787–93 **(Fre)**

[Superoxide dismutase, glutathione peroxidase and catalase in experimental retinal siderosis] Hiramitsu T, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1362–70 (Eng. Abstr.) **(Jpn)**

[Superoxide dismutase model] Kimura E, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):177–88 (71 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Affinity inactivation of bovine Cu,Zn superoxide dismutase by hydroperoxide anion, HO2–. Fuchs HJ, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1107–13

Phosphate is an inhibitor of copper–zinc superoxide dismutase. Mota de Freitas D, et al. **Biochemistry** 1984 Apr 24;23(9):2079–82

Post–irradiation diethyldithiocarbamate–inhibition of CuZn superoxide dismutase reduces clonogenic survival of Chinese hamster V–79 cells. Westman G, et al. **Int J Radiat Biol** 1984 Jan;45(1):11–20

BIOSYNTHESIS

Biochemical characteristics of rat superoxide dismutase and the effect caused by paraquat injection on the enzyme activity in various tissues. Andersen RA, et al. **Gen Pharmacol** 1984;15(3):205–10

BLOOD

Superoxide dismutase activity and reduced glutathione content in erythrocytes of uremic patients on chronic dialysis. Vanella A, et al. **Acta Haematol (Basel)** 1983; 70(5):312–5

Immunoreactive copper–zinc superoxide–dismutase (SOD–1) in mosaic trisomy 21 and normal subjects. Baeteman MA, et al. **Acta Paediatr Scand** 1984 May;73(3):341–4

Enzymes of leukocyte oxidative metabolism in Down's syndrome. Björkstén B, et al. **Acta Paediatr Scand** 1984 Jan;73(1):97–101

Superoxide dismutase activity in leukemic blasts of children with acute leukemia. Yoshimitsu K, et al. **Acta Paediatr Scand** 1984 Jan;73(1):92–6

Leucocyte superoxide dismutase in rheumatoid arthritis. Youssef AA, et al. **Ann Rheum Dis** 1983 Oct;42(5):558–62

An NMR study of the oxidation state of Cu,Zn superoxide dismutase in human red blood cells. Scarpa M, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1276–81

Selective binding behavior of zinc(II) and copper(II) ions to their native sites of apo–bovine superoxide dismutase. Hirose J, et al. **Biochem Int** 1984 Mar;8(3):401–8

An extended–X–ray–absorption–fine–structure study of bovine erythrocyte superoxide dismutase in aqueous solution. Direct evidence for three–co–ordinate Cu(I) in reduced enzyme. Blackburn NJ, et al. **Biochem J** 1984 May 1;219(3):985–90

Co(II) derivatives of Cu,Zn–superoxide dismutase with the cobalt bound in the place of copper. A new spectroscopic tool for the study of the active site. Desideri A, et al. **Biochim Biophys Acta** 1984 Mar 29;785(3):111–7

Superoxide dismutase, catalase, and glutathione peroxidase in red blood cells from patients with malignant diseases. Gonzales R, et al. **Cancer Res** 1984 Sep;44(9):4137–9

Erythrocyte antioxidant enzymes and selenium serum levels in an Andean population. Agostoni A, et al. **Clin Chim Acta** 1983 Sep 30;133(2):153–7

Superoxide dismutase in diabetic polymorphonuclear leukocytes. Nath N, et al. **Diabetes** 1984 Jun;33(6):586–9

Favism: a hemolytic disease associated with increased superoxide dismutase and decreased glutathione peroxidase activities in red blood cells. Mavelli I, et al. **Eur J Biochem** 1984 Feb 15;139(1):13–8

Effect of chloroquine on the peroxide scavenging enzymes glutathione level & lipid peroxidation in rat erythrocytes. Nair CR, et al. **Indian J Med Res** 1984 Jan;79:118–24

Superoxide dismutase, reduced glutathione and TBA–reactive products in erythrocytes of patients with multiple sclerosis. Polidoro G, et al. **Int J Biochem** 1984; 16(5):505–9

Identification of trout and salmon bloods by simple immunological technique and by electrofocusing patterns of red cell enzyme superoxide dismutase. Sutton JG, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1164–74

Generation of superoxide ion in human red blood cell lysates. Scarpa M, et al. **J Biol Chem** 1984 Sep 10;259(17):10657–9

The identification of trout and salmon blood on the basis of the enzyme, superoxide dismutase, observed by isoelectric focusing. Sutton JG. **J Forensic Sci Soc** 1983 Jul;23(3):241–3

The levels of superoxide dismutase, catalase, and carbonic anhydrase in erythrocytes of patients with Down's syndrome. Ohno H, et al. **Klin Wochenschr** 1984 Mar 15; 62(6):287–8

Variation of superoxide dismutase levels in fetal calf serum. Baret A, et al. **Mutat Res** 1983 Sep;121(3–4):293–7

Erythrocyte antioxidant enzymes in multiple sclerosis and the effect of hyperbaric oxygen. Hunter MI, et al. **Neurochem Res** 1984 Apr;9(4):507–16

Host superoxide dismutase incorporation by intraerythrocytic plasmodia. Fairfield AS, et al. **Prog Clin Biol Res** 1984; 155:13–23

Measurement of superoxide dismutase, diamine oxidase and caeruloplasmin oxidase in the blood of thoroughbreds. Smith P, et al. **Res Vet Sci** 1983 Sep;35(2):160–4

Use of erythrocyte copper:zinc superoxide dismutase activity and hair or fleece copper concentrations in the diagnosis of hypocuprosis in ruminants. Suttle NF, et al. **Res Vet Sci** 1983 Jul;35(1):47–52

Effect of long–term penicillamine therapy on erythrocyte CuZn superoxide dismutase activity. Marklund SL, et al. **Scand J Clin Lab Invest** 1984 Feb;44(1):13–7

[Erythrocyte superoxide dismutase in the chronic alcoholic with hepatic lesions (letter)] Emerit J, et al. **Presse Med** 1984 May 12;13(20):1277–8 **(Fre)**

[Determination of superoxide dismutase (sod) in erythrocytes in glucose–6–phosphate dehydrogenase deficiency (G6PD–deficiency)] Grieger M, et al. **Folia Haematol (Leipz)** 1983;110(3):427–36 (Eng. Abstr.) **(Ger)**

[Studies on serum lipid peroxide values and erythrocyte superoxide dismutase activities in the aged] Higashihara E, et al. **Nippon Ronen Igakkai Zasshi** 1983 Sep; 20(5):385–90 (Eng. Abstr.) **(Jpn)**

[Inhibition of lipid peroxidation by superoxide dismutase and ceruloplasmin] Pogosian GG, et al. **Biokhimiia** 1983 Jul; 48(7):1129–34 (Eng. Abstr.) **(Rus)**

[Activity and isoenzyme spectrum of human plasma and erythrocyte superoxide dismutase] Dubinina EE, et al. **Lab Delo** 1983;(10):30–3 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Manganese–containing superoxide–dismutase deficiency in polymorphonuclear leukocytes of adults with rheumatoid arthritis. Pasquier C, et al. **Inflammation** 1984 Mar; 8(1):27–32

GENETICS

Cloning of the iron superoxide dismutase gene (sodB) in Escherichia coli K–12. Sakamoto H, et al. **J Bacteriol** 1984 Jul;159(1):418–20

Isolation of the Escherichia coli iron superoxide dismutase gene: evidence that intracellular superoxide concentration does not regulate oxygen–dependent synthesis of the manganese superoxide dismutase. Nettleton CJ, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4970–3

ISOLATION & PURIFICATION

Joint purification of mangano and cuprozinc superoxide dismutases from a single source—a simplified method. Asayama K, et al. **Anal Biochem** 1984 Feb;136(2):336–9

A simple, rapid and efficient isolation of erythrocyte Cu2Zn2–superoxide dismutase. Gärtner A, et al. **Biochem J** 1984 Jul 15;221(2):549–51

A hybrid superoxide dismutase containing both functional iron and manganese. Clare DA, et al. **J Biol Chem** 1984 May 10;259(9):5932–6

Isolation and characterization of superoxide dismutase. Bannister JV, et al. **Methods Enzymol** 1984;105:88–93

METABOLISM

Glutathione peroxidase, superoxide dismutase, and glutathione S–transferase activities in human lung. Jenkinson SG, et al. **Am Rev Respir Dis** 1984 Aug; 130(2):302–4

Use of superoxide dismutase and catalase to protect catecholamines from oxidation in tissue culture studies. Mahan LC, et al. **Anal Biochem** 1984 Jan;136(1):208–16

Positive correlation between superoxide dismutase and resistance to paraquat toxicity in the green alga Chlorella sorokiniana. Rabinowitch HD, et al. **Arch Biochem Biophys** 1983 Sep;225(2):640–8

Superoxide dismutase in the central nervous system of Torpedo marmorata. Pisanti FA, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):343–7

The effects of hypolipidemic agents derived from procetofenic acid on the activity of superoxide dismutase and glutathione peroxidase and on malonyl dialdehyde production of rat liver. Ciriolo MR, et al. **Arzneimittelforsch** 1984;34(4):465–7

Pseudo–inhibitors of neutrophil superoxide production: evidence that soybean–derived polypeptides are superoxide dismutases. Abramovitz AS, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):22–9

Regulation of Mn–SOD activity in the mouse heart: glucose effect. Kasemset D, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):682–6

Multiple electrophoretic variants of Cu, Zn superoxide dismutase as expression of the enzyme aging. Effects of H2O2, ascorbate and metal ions. Mavelli I, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):677–81

Radioprotection by superoxide dismutase of macrophage progenitor cells from mouse bone marrow. Petkau A, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1089–95

Destruction of tryptophan residues by hydrogen peroxide in iron–superoxide dismutase. Yamakura F. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):635–41

Effect of superoxide dismutase on hydroxylase activity and hydrogen peroxide formation in anthranilamide hydroxylation by a rat liver microsomal monooxygenase system. Ohta Y, et al. **Biochem Int** 1984 May;8(5):617–27

Superoxide dismutase–sensitive, NAD(P)H–dependent reduction of oxygen by the membrane–bound redox chains of liver microsomes and hepatoma nuclei in the presence of adrenaline. Peskin AV, et al. **Biochem Int** 1984 May; 8(5):733–8

Properties of extracellular superoxide dismutase from human lung. Marklund SL. **Biochem J** 1984 May 15;220(1):269–72

Pharmacokinetic and anti–inflammatory properties in the rat of superoxide dismutases (Cu SODs and Mn SOD) from various species. Baret A, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2755–60

Effects of chloroquine on lysosomal enzymes, NADPH–induced lipid peroxidation, and antioxidant enzymes of rat retina. Bhattacharyya B, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2965–8

Glutathione peroxidase (EC 1.11.1.9), glutathione–S–transferase (EC 2.5.1.13), superoxide dismutase (EC 1.15.1.1) and catalase (EC 1.11.1.6) activities in tissues of ducklings deprived of vitamin E and selenium. Xu GL, et al. **Br J Nutr** 1983 Sep;50(2):437–44

Oxygen radical detoxification enzymes in doxorubicin–sensitive and –resistant P388 murine leukemia cells. Ramu A, et al. **Cancer Res** 1984 May;44(5):1976–80

Superoxide dismutase provides protection against the hyperoxia in the retina of the rainbow trout (Salmo gairdneri). Desrochers PE, et al. **Comp Biochem Physiol [B]** 1983;76(2):241–7

Distribution of superoxide dismutase in the ground squirrel (Citellus citellus): effect of the hibernation and arousal. Petrović VM, et al. **Comp Biochem Physiol [B]** 1983; 75(4):699–700

Comparative studies on superoxide dismutase and catalase activities in livers of fish and other Antarctic vertebrates. Witas H, et al. **Comp Biochem Physiol [C]** 1984;77(2):409–11

Glutathione peroxidase, glutathione reductase and superoxide dismutase in the aging lens. Ohrloff C, et al. **Curr Eye Res** 1984 Jan;3(1):109–15

Superoxide dismutase activity in brains from chronic alcoholics. Marklund SL, et al. **Drug Alcohol Depend** 1983 Nov;12(3):209–15

Superoxide dismutase in mouse brain, liver and heart in the presence and absence of dietary vitamin E1. Gavino VC, et al. **Enzyme** 1983;30(3):162–5

Localization of corneal superoxide dismutase by biochemical and histocytochemical techniques. Redmond TM, et al. **Exp Eye Res** 1984 Apr;38(4):369–78

Differentiation–arrested rat fetal lung in primary monolayer cell culture. III. Antioxidant enzyme activity. Tanswell AK, et al. **Exp Lung Res** 1984;6(2):149–58

Increases in lung prolyl hydroxylase and superoxide dismutase activities during bleomycin–induced lung fibrosis in hamsters. Giri SN, et al. **Exp Mol Pathol** 1983 Dec; 39(3):317–26

Mitomycin C–induced deoxyribose degradation inhibited by superoxide dismutase. A reaction involving iron, hydroxyl and semiquinone radicals. Gutteridge JM, et al. **FEBS Lett** 1984 Feb 13;167(1):37–41

Hepatic superoxide dismutase activity in the mouse infected with Plasmodium berghei. Kulkarni AB, et al. **Folia Parasitol (Praha)** 1984;31(1):89–91

Effects of neuroleptics on the lipid peroxidation and peroxide metabolism enzyme activities in various discrete areas of the rat brain. Szabó L, et al. **Gen Pharmacol** 1983; 14(5):537–9

Copper–zinc and manganese superoxide dismutase activities in cardiac and skeletal muscles during aging in male rats. Lammi–Keefe CJ, et al. **Gerontology** 1984;30(3):153–8

Transformation affects superoxide dismutase activity. Loven DP, et al. **Int J Cancer** 1984 Jun 15;33(6):783–6

The relationship of oxygen uptake to superoxide dismutase and catalase activity in human skeletal muscle. Jenkins RR, et al. **Int J Sports Med** 1984 Feb;5(1):11–4

Oxygen toxicity in Streptococcus mutans: manganese, iron, and superoxide dismutase. Martin ME, et al. **J Bacteriol** 1984 Aug;159(2):745–9

Liposome–mediated augmentation of superoxide dismutase in endothelial cells prevents oxygen injury. Freeman BA, et al. **J Biol Chem** 1983 Oct 25;258(20):12534–42

Damaging effects of oxygen radicals on resealed erythrocyte ghosts. Girotti AW, et al. **J Biol Chem** 1984 Feb 10; 259(3):1744–52

Pulmonary superoxide dismutase activity in the mouse infected with Ancylostoma caninum larvae. Kulkarni AB, et al. **J Helminthol** 1983 Sep;57(3):237–9

Resistance of Nocardia asteroides to oxygen–dependent killing by neutrophils. Filice GA. **J Infect Dis** 1983 Nov; 148(5):861–7

Effects of chlorpromazine on the activities of antioxidant enzymes and lipid peroxidation in the various regions of aging rat brain. Roy D, et al. **J Neurochem** 1984 Mar; 42(3):628–33

Lipid peroxidation and superoxide dismutase activity in muscle and erythrocytes in Duchenne muscular dystrophy. Mechler F, et al. **J Neurol Sci** 1984 Mar;63(3):279–83

The effects of high dietary zinc and copper deficiency on the activity of copper–requiring metalloenzymes in the growing rat. L'Abbé MR, et al. **J Nutr** 1984 May; 114(5):813–22

The effects of dietary zinc on the activity of copper-requiring metalloenzymes in the rat. L'Abbé MR, et al. J Nutr 1984 May;114(5):823–8

Changes in tissue growth, concentrations of copper, iron, cytochrome oxidase and superoxide dismutase subsequent to dietary or genetic copper deficiency in mice. Prohaska JR. J Nutr 1983 Oct;113(10):2048–58

Superoxide dismutase activity and lipid peroxidation in the rat: developmental correlations affected by manganese deficiency. Zidenberg-Cherr S, et al. J Nutr 1983 Dec; 113(12):2498–504

Superoxide dismutase levels following liver and kidney intoxication. Adachi T, et al. J Pharmacobiodyn 1983 Jun; 6(6):433–7

The role of superoxide dismutase and gene amplification in carcinogenesis. Oberley LW, et al. J Theor Biol 1984 Feb 7;106(3):403–22

Superoxide dismutase activity in early stages of development in normal and dystrophic chickens. Mizuno Y. Life Sci 1984 Mar 5;34(10):909–14

Genetically determined conidial longevity is positively correlated with superoxide dismutase, catalase, glutathione peroxidase, cytochrome c peroxidase, and ascorbate free radical reductase activities in Neurospora crassa. Munkres KD, et al. Mech Ageing Dev 1984 Jan;24(1):83–100

Effect of physical activity on superoxide dismutase, catalase, inorganic peroxides and glutathione in the adult male housefly, Musca domestica. Sohal RS, et al. Mech Ageing Dev 1984 Jul;26(1):75–81

Overview: biological sources of O2-. Fridovich I. Methods Enzymol 1984;105:59–61

Determination of microbial damage caused by oxygen free radicals, and the protective role of superoxide dismutase. Hassan HM. Methods Enzymol 1984;105:404–12

Exacerbation of superoxide radical formation by paraquat. Hassan HM. Methods Enzymol 1984;105:523–32

Effects of detergents on indirect assays for superoxide dismutase activity. Ljutakova SG. Methods Find Exp Clin Pharmacol 1984 Mar;6(3):125–9

An iron-containing superoxide dismutase in Tritrichomonas foetus. Kitchener KR, et al. Mol Biochem Parasitol 1984 May;12(1):95–9

Age pigments and superoxide dismutase activity in the central nervous system of Torpedo marmorata [letter] Aloj Totàro E, et al. Neurosci Lett 1984 Apr 6;45(3):341–2

Preparation for birth into an O2-rich environment: the antioxidant enzymes in the developing rabbit lung. Frank L, et al. Pediatr Res 1984 Mar;18(3):240–4

Liver superoxide dismutases and catalase during ethanol inhalation and withdrawal. Ribière C, et al. Pharmacol Biochem Behav 1983;18 Suppl 1:263–6

Evidence for increased peroxidative activity in muscles from streptozotocin-diabetic rats. Lammi-Keefe CJ, et al. Proc Soc Exp Biol Med 1984 May;176(1):27–31

Interferon-induced biochemical changes in cell membranes: possible role of cellular enzyme superoxide dismutase. Pottathil R, et al. Prog Clin Biol Res 1983;135:275–97 (65 ref.)

The effect of superoxide dismutase and catalase on metabolism of 3H-arachidonic acid by washed platelets. Ellis EF, et al. Prostaglandins Leukotrienes Med 1984 Feb; 13(2):153–7

Enzymatic responses to radiation in cultured vascular endothelial and smooth muscle cells. Rubin DB, et al. Radiat Res 1984 Aug;99(2):420–32

Changes in the activity of superoxide-dismutase (SOD) under the influence of 60Co-gamma irradiation and the O2-scavenger ability of SH-containing radioprotectors in vivo and in vitro. Schweitzer K, et al. Radiobiol Radiother (Berl) 1983;24(6):753–61

Estrogen effects on NADH oxidase and superoxide dismutase i prepubertal female rats. Rajan R, et al. Steroids 1982 Dec; 40(6):651–60

Influence of rat brain superoxide dismutase inhibition by diethyldithiocarbamate upon the rate of development of central nervous system oxygen toxicity. Puglia CD, et al. Toxicol Appl Pharmacol 1984 Sep 15;75(2):258–64

Tissue trace elements and lung superoxide dismutase activity in mice exposed to ozone. Dubick MA, et al. Toxicol Lett 1983 Jul;17(3–4):355–60

[Role of active oxygen in cataract formation in galactose-fed rats] Hiraiwa N, et al. Nippon Ganka Gakkai Zasshi 1984 Jan;88(1):185–92 (Eng. Abstr.) (Jpn)

[Oxygen intermediates production and superoxide dismutase activity in severe cement dermatitis] Uchida K, et al. Nippon Hifuka Gakkai Zasshi 1983 Nov;93(12):1303–10 (Jpn)

[Effect of alpha-tocopherol on superoxide dismutase and glutathione lipoperoxidase activities of mouse liver cytosol and mitochondria] Lankin VZ, et al. Biokhimiia 1983 Sep; 48(9):1555–9 (Eng. Abstr.) (Rus)

[Relation between the activity of antioxidant systems and endogenous lipid peroxidation in the myocardium of the left and right heart ventricles] Kagan VE, et al. Biull Eksp Biol Med 1984 Jun;97(6):664–6 (Rus)

[Action of diethyldithiocarbamate on superoxide dismutase activity in the rat heart] Matiushin AI, et al. Farmakol Toksikol 1983 Jul-Aug;46(4):46–9 (Eng. Abstr.) (Rus)

[Activity of enzymes with an antioxidant action in the myocardium and blood of the rat during cardiovascular insufficiency] Poberezkina NB, et al. Ukr Biokhim Zh 1984 Jan-Feb;56(1):75–8 (Eng. Abstr.) (Rus)

[Hormonal regulation of superoxide dismutase turnover in rat liver] Komov VP, et al. Vopr Med Khim 1983 Sep-Oct; 29(5):79–82 (Eng. Abstr.) (Rus)

[Content of hydroperoxides in lipids, superoxide dismutase and glucose-6-phosphate dehydrogenase activity of erythrocytes in alcoholic intoxication] Storozhok SA. Vopr Med Khim 1983 Nov-Dec;29(6):31–4 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Catecholamine stimulation of copper dependent haemolysis: protective action of superoxide dismutase, catalase, hydroxyl radical scavengers and serum proteins (ceruloplasmin, albumin and apotransferrin). Løvstad RA. Acta Pharmacol Toxicol (Copenh) 1984 May;54(5):340–5

Bleomycin cytotoxicity is prevented by superoxide dismutase in vitro. Cunningham ML, et al. Cancer Lett 1983 Dec; 21(2):149–53

Enhancement of cysteamine cytotoxicity by hyperthermia and its modification by catalase and superoxide dismutase in Chinese hamster ovary cells. Issels RD, et al. Cancer Res 1984 Sep;44(9):3911–5

The induction of ornithine decarboxylase by phorbol 12-myristate 13-acetate or by serum is inhibited by antioxidants. Friedman J, et al. Carcinogenesis 1983 Nov; 4(11):1425–7

Oxygen radicals mediate the cerebral arteriolar dilation from arachidonate and bradykinin in cats. Kontos HA, et al. Circ Res 1984 Sep;55(3):295–303

Effects of free radical scavengers on renal circulation after ischaemia in the rabbit. Hansson R, et al. Clin Sci 1983 Dec;65(6):605–10

Oxygen metabolites stimulate thromboxane production and vasoconstriction in isolated saline-perfused rabbit lungs. Tate RM, et al. J Clin Invest 1984 Aug;74(2):608–13

Role of oxygen intermediates in UV-induced epidermal cell injury. Danno K, et al. J Invest Dermatol 1984 Sep; 83(3):166–8

Anti-inflammatory and pharmacokinetic properties of superoxide dismutase derivatized with polyethylene glycol via active esters. Veronese FM, et al. J Pharm Pharmacol 1983 Nov;35(11):757–8

Peroxy free radicals and enzyme inactivation in radiation injury and oxygen toxicity: protection by superoxide dismutase and antioxidants? [letter] Willson RL. Lancet 1984 Apr 7;1(8380):804

Inhibition by superoxide dismutase and catalase of the damage of isolated Leishmania mexicana amazonensis by phenazine methosulfate. Nabi ZF, et al. Mol Biochem Parasitol 1984 Mar;10(3):297–303

Inhibition of the genotoxicity of bleomycin by superoxide dismutase. Cunningham ML, et al. Mutat Res 1984 Mar; 135(3):199–202

The effect of superoxide dismutase on the radiosensitivity of bacterial spores at various oxygen concentrations. Gazsó GL, et al. Radiat Environ Biophys 1984;23(1):69–73

[Histologic studies of the effect of superoxide dismutase on an arthrosis model in rabbits] Gialamas J, et al. Z Rheumatol 1984 May-Jun;43(3):142–7 (Eng. Abstr.) (Ger)

[Kidney transplantation. VIII. Experimental study on functional protection of the ischemic kidney using superoxide dismutase] Kuniyoshi M, et al. Nippon Hinyokika Gakkai Zasshi 1983 May;74(5):808–11 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Superoxide dismutase and chilling injury in Chlorella ellipsoidea. Clare DA, et al. Arch Biochem Biophys 1984 May 15;231(1):158–63

Endogenous anti-inflammatory factors. Lewis DA. Biochem Pharmacol 1984 Jun 1;33(11):1705–14 (159 ref.)

Toxicity of oxygen radicals in cultured pulmonary endothelial cells. Autor AP, et al. J Toxicol Environ Health 1984;13(2–3):387–95

Dressing the SOD [news] Pain RH. Nature 1983 Nov 17–23; 306(5940):228

RADIATION EFFECTS

Biochemical analysis of cerebrum of fetal rat X-irradiated in utero—DNA, RNA, superoxide dismutase and lipid peroxide—. Sakuraba H, et al. Brain Dev 1983;5(5):457–63

[Effect of ionizing radiation on the superoxide dismutase content and turnover in the rat liver] Komov VP, et al. Radiobiologiia 1984 Jan-Feb;24(1):25–8 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Superoxide dismutase with heparin prevents increased lung vascular permeability during air emboli in sheep. Flick MR, et al. J Appl Physiol 1983 Oct;55(4):1284–91

Protection against oxygen toxicity by intravenous injection of liposome-entrapped catalase and superoxide dismutase. Turrens JF, et al. J Clin Invest 1984 Jan;73(1):87–95

Defense against free radicals has therapeutic implications [news] Simmons K. JAMA 1984 May 4;251(17):2187, 2191–2

Possible role of glutathione in the antitumor effect of a copper-containing synthetic superoxide dismutase in mice. Oberley LW, et al. JNCI 1983 Nov;71(5):1089–94

Clinical aspects of superoxide dismutase. Marklund SL. Med Biol 1984;62(2):130–4

Effects of superoxide dismutase and catalase on disseminated intravascular coagulation in rats. Yoshikawa T, et al. Thromb Haemost 1983 Dec 30;50(4):869–72

[Treatment of hypertrophic scars and keloids with Orgotein] Grösser A, et al. Hautarzt 1984 Jul;35(7):377–8 (Eng. Abstr.) (Ger)

[Treatment of ulcus simplex of the bladder and ulcerating radiogenic cystitis with superoxide dismutase] Reuss K, et al. Urologe [Ausg A] 1983 Sep;22(5):290–3 (Eng. Abstr.) (Ger)

[Anti-inflammatory effect of Cu-Zn superoxide dismutase on carrageenin-induced arthritis in rabbits] Ohno H, et al. Nippon Yakurigaku Zasshi 1983 Nov;82(5):375–81 (Eng. Abstr.) (Jpn)

SUPERSTITIONS

The validity of 'biorhythmic' theory questioned. James A. Br J Psychol 1984 May;75 (Pt 2):197–200

Clusters of disaster: superstition and the physician. Blacher RS. Gen Hosp Psychiatry 1983 Dec;5(4):279–84

Mothers' beliefs as to causation and prevention of birth defects in Ile-Ife, Nigeria. Ojofeitimi EO, et al. J R Soc Health 1984 Jun;104(3):116–8

Sickle cell anaemia and reincarnation beliefs in Nigeria [letter] Edelstein SJ, et al. Lancet 1983 Nov 12;2(8359):1140

Sickle cell anaemia and reincarnation beliefs in Nigeria [letter] Onwubalili JK. Lancet 1983 Dec 17;2(8364):1423

[Superstition, faith, delusion] Haenel T. Schweiz Arch Neurol Neurochir Psychiatr 1983; 133(2):295–310 (Eng. Abstr.) (Ger)

HISTORY

[Economic and social background of witch hunts] Tamáska P. Orv Hetil 1983 Sep 18;124(38):2322, 2325 (Hun)

SUPPOSITORIES

Suppositories for systemic medication: an underused approach. Drug Ther Bull 1983 Jul 15;21(14):53–6

[Study on the pharmaceutical preparations for rectal administration] Li RS. Chung Yao Tung Pao 1984 Jan; 9(1):21–4 (Chi)

[Effect of thermal preparation conditions and the concentration of drugs in suspension on release from suppositories containing lipophilic excipients] Ragazzi E, et al. Farmaco [Prat] 1984 Jan;39(1):3–19 (Eng. Abstr.) (Ita)

SUPPRESSION, GENETIC

Intragenic suppressor mutations that restore export of maltose binding protein with a truncated signal peptide. Bankaitis VA, et al. Cell 1984 May;37(1):243–52

Histone-H1-dependent chromatin superstructures and the suppression of gene activity. Weintraub H. Cell 1984 Aug; 38(1):17–27

The Schizosaccharomyces pombe sup3-i suppressor recognizes ochre, but not amber codons in vitro and in vivo. Hottinger H, et al. EMBO J 1984 Feb;3(2):423–8

Inactivation of essential division genes, ftsA, ftsZ, suppresses mutations at sfiB, a locus mediating division inhibition during the SOS response in E. coli. Jones CA, et al. EMBO J 1984 May;3(5):1181–6

Construction of a UGA suppressor tRNA by modification in vitro of yeast tRNACys. Vacher J, et al. Eur J Biochem 1984 Jan 2;138(1):77–81

The yeast cloning vector YEp13 contains a tRNALeu3 gene that can mutate to an amber suppressor. Fischhoff DA, et al. Gene 1984 Mar;27(3):239–51

Recessive UAA suppressors of the yeast Saccharomyces cerevisiae. Ono BI, et al. Genetics 1982 Dec;102(4):653–64

A fragile X suppressor in the normal human blood? Soudek D, et al. Hum Genet 1983;65(1):88–9

Effect of dnaA and rpoB mutations on attenuation in the trp operon of Escherichia coli. Atlung T, et al. J Bacteriol 1983 Dec;156(3):985–92

Map location of the pcbA mutation and physiology of the mutant. Bryan SK, et al. J Bacteriol 1984 Apr; 158(1):216–21

Isolation of Bacillus subtilis mutants pleiotropically insensitive to glucose catabolite repression. Fisher SH, et al. J Bacteriol 1984 Mar;157(3):942–4

Promoter mutation causing catabolite repression of the Salmonella typhimurium leucine operon. Gemmill RM, et al. J Bacteriol 1984 Jun;158(3):948–53

Suppression by thymidine-requiring mutants of Escherichia coli K-12. Herrington MB, et al. J Bacteriol 1984 Jan; 157(1):126–9

Suppressors of lysine codons may be misacylated lysine tRNAs. Murgola EJ, et al. J Bacteriol 1983 Nov; 156(2):917–9

Defined set of cloned termination suppressors: in vivo activity of isogenetic UAG, UAA, and UGA suppressor tRNAs. Raftery LA, et al. J Bacteriol 1984 Jun; 158(3):849–59

Suppression of Escherichia coli recF mutations by recA-linked srfA mutations. Volkert MR, et al. J Bacteriol 1984 Feb;157(2):498–506

An antisuppressor mutation of Schizosaccharomyces pombe affects the post-transcriptional modification of the 'wobble' base in the anticodon of tRNAs. Heyer WD, et al. **J Biol Chem** 1984 Mar 10;259(5):2856–62

Interactions of ribosomal antibiotics and informational suppressors of Aspergillus nidulans. Martinelli SD. **J Gen Microbiol** 1984 Mar;130 (Pt 3):575–82

Revertants from the HLA class II regulatory mutant 6.1.6: implications for the regulation of Ia gene expression. Levine F, et al. **J Immunol** 1984 Feb;132(2):959–62

A nuclear mutation that post-transcriptionally blocks accumulation of a yeast mitochondrial gene product can be suppressed by a mitochondrial gene rearrangement. Müller PP, et al. **J Mol Biol** 1984 Jun 5;175(4):431–52

Codon context effects in missense suppression. Murgola EJ, et al. **J Mol Biol** 1984 May 5;175(1):19–27

Nucleotide substitution in the amino acid acceptor stem of lysine transfer RNA causes missense suppression. Prather NE, et al. **J Mol Biol** 1984 Jan 15;172(2):177–84

Suppression of a VP1 mutant of simian virus 40 by missense mutations in serine codons of the viral agnogene. Margolskee RF, et al. **J Virol** 1983 Nov;48(2):405–9

Functional suppression in mammalian cells of nonsense mutations in the herpes simplex virus thymidine kinase gene by suppressor tRNA genes. Summers WP, et al. **J Virol** 1983 Aug;47(2):376–9

Identification and linkage analyses of a gene, Rcs-1, suppressing spontaneous SJL/J lymphoma expression. Bubbers JE. **JNCI** 1984 Feb;72(2):441–6

A mitochondrial ribosomal RNA mutation and its nuclear suppressors. Contamine V, et al. **MGG** 1984;193(2):280–7

The gyrB gene product functions in both initiation and chain polymerization of Escherichia coli chromosome replication: suppression of the initiation deficiency in gyrB-ts mutants by a class of rpoB mutations. Filutowicz M, et al. **MGG** 1983;191(2):282–7

Mitochondrial ribosomal RNA genes of yeast: their mutations and a common nuclear suppressor. Julou C, et al. **MGG** 1984;193(2):275–9

Isolation and mapping of a new suppressor mutation of an early sporulation gene spoOF mutation in Bacillus subtilis. Kawamura F, et al. **MGG** 1983;192(3):330–4

Suppressors of a temperature-sensitive copy-number mutation in plasmid NTP1. Moser DR, et al. **MGG** 1983; 192(1–2):95–100

Missense and nonsense suppressors derived from a glycine tRNA by nucleotide insertion and deletion in vivo. Murgola EJ, et al. **MGG** 1984;193(1):76–81

A temperature-sensitive mutant of Escherichia coli that shows enhanced misreading of UAG/A and increased efficiency for some tRNA nonsense suppressors. Rydén SM, et al. **MGG** 1984;193(1):38–45

Molecular biology. Transposable elements and suppressor genes [news] Jackson IJ. **Nature** 1984 Jun 28–Jul 4; 309(5971):751–2

Construction of mutants of Moloney murine leukemia virus by suppressor-linker insertional mutagenesis: positions of viable insertion mutations. Lobel LI, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4149–53

Retinoblastoma: clues to human oncogenesis. Murphree AL, et al. **Science** 1984 Mar 9;223(4640):1028–33 (46 ref.)

[Cloning of the gene sup 1 of Saccharomyces cerevisiae yeasts] Surguchev AP, et al. **Dokl Akad Nauk SSSR** 1983; 272(4):987–91 **(Rus)**

DRUG EFFECTS

Phenotypic suppression of opal mutants by L-tryptophan. Sambol AR, et al. **Microbios** 1984;39(155):19–27

SUPPRESSOR CELLS

Decreased helper/suppressor cell ratios after treatment with factor VIII and IX concentrates and fresh frozen plasma. Ragni MV, et al. **Am J Med** 1984 Feb;76(2):206–10

Altered helper and suppressor lymphocyte populations in surgical patients. A measure of postoperative immunosuppression. Hansbrough JF, et al. **Am J Surg** 1984 Sep;148(3):303–7

Reduced helper (OKT4+): suppressor (OKT8+) T ratios in aplastic anaemia: relation to immunosuppressive therapy. Kuriyama K, et al. **Br J Haematol** 1984 Jun;57(2):329–36

T-lymphocyte subsets in normal menstrual cycle. Bolis PF, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):115–7

B lymphocyte subpopulations and T-cell subsets in primary chronic glomerulonephritis [letter] Fornasieri A, et al. **Clin Nephrol** 1983 Nov;20(5):267–8

Loss of suppressor T-cells in active inflammatory bowel disease. Godin NJ, et al. **Gut** 1984 Jul;25(7):743–7

Helper/suppressor ratio in multiple sclerosis [letter] Thompson AJ, et al. **Ir Med J** 1984 Apr;77(4):119

Suppressor T cell numbers and function in atopic patients with high serum IgE levels. Armitstead JG, et al. **J Clin Lab Immunol** 1983 Dec;12(4):179–85

Stress, cortisol, and lymphocyte subpopulations [letter] Baker GH, et al. **Lancet** 1984 Mar 10;1(8376):574

Normal T-cell subset ratios in patients with severe haemophilia A treated with cryoprecipitate [letter] Rasi VP, et al. **Lancet** 1984 Feb 25;1(8374):461

Is cytomegalovirus infection a major cause of T cell alterations after (autologous) bone-marrow transplantation? Verdonck LF, et al. **Lancet** 1984 Apr 28;1(8383):932–5

ANALYSIS

Decrease in suppressor/cytotoxic T-cells with histamine receptors in patients with chronic active hepatitis. Colombo M, et al. **Liver** 1984 Jun;4(3):201–7

Enumeration of T cell subsets and functional suppressor cell assays in patients with rheumatoid arthritis and HLA-B27-associated arthritis. Lemm G, et al. **Z Rheumatol** 1984 May-Jun;43(3):106–12

[Subpopulations of helper and suppressor T lymphocytes in psoriasis vulgaris] Kokelj F, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):9–11 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Exacerbation of myasthenia gravis after removal of a thymoma having a membrane phenotype of suppressor T cells. Kuroda Y, et al. **Ann Neurol** 1984 Apr;15(4):400–2

T helper/suppressor ratio and acute attacks in multiple sclerosis. O'Keeffe F, et al. **Ir Med J** 1984 Feb;77(2):39–41

Classification of patients with T-cell chronic lymphocytic leukemia and expansions of granular lymphocytes: heterogeneity of Italian cases by a multiparameter analysis. Pandolfi F, et al. **J Clin Immunol** 1984 May;4(3):174–84

Cyclophosphamide-sensitive contrasuppression in TNP-anterior chamber associated immune deviation (TNP-ACAID). Waldrep JC, et al. **J Immunol** 1983 Dec; 131(6):2746–50

The effect of 1,2-dimethylhydrazine (DMH) carcinogenesis on peripheral T cell subsets in the Wistar Furth rat. Ross DS, et al. **J Surg Oncol** 1984 Aug;26(4):238–44

Alterations in T-lymphocyte subsets among Danish haemophiliacs: relation to source of factor VIII preparations and high dose factor VIII treatment. Gerstoft J, et al. **Scand J Haematol** 1984 May;32(5):544–51

[Subpopulations of thymus-dependent blood lymphocytes. Importance for clinical medicine and research] Mitrou PS, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1888–93 **(Ger)**

CYTOLOGY

Studies on the suppression of lymphocyte proliferation by concanavalin-A activated mononuclear cells in normal individuals. Victorino RM, et al. **Acta Med Port** 1983 Nov-Dec;4(11–12):465–70

Abnormal T-cell subpopulations in hemophilic patients receiving factor VIII concentrates from voluntary donors. Wearne A, et al. **Aust NZ J Med** 1984 Apr;14(2):149–53

Preservation of the helper and suppressor/cytotoxic T-lymphocyte phenotype in continuous culture. Gramatzki M, et al. **Eur J Immunol** 1984 Aug;14(8):762–5

Generation of CFUC suppressor T cells in vitro: VII. T derived colony inhibitory activity (Td/CIA) has no suppressor effect on in vitro immunoglobulin production. Bacigalupo A, et al. **Exp Hematol** 1983 Jul;11(6):506–11

Suppressor cells in antithymocyte globulin-induced transplantation tolerance in the adult rat. Olausson M, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):184–7

Establishment and characterization of continuous murine non-specific suppressor T cell lines. Ezawa K, et al. **Jpn J Exp Med** 1983 Jun;53(3):139–46

Construction of human suppressor T cell hybridomas. Greene WC, et al. **Lymphokine Res** 1983;2(2):53–60

Enumeration of T cell subsets with monoclonal antibodies in minor salivary glands of patients with rheumatoid arthritis. Syrjänen SM, et al. **Scand J Dent Res** 1984 Aug; 92(4):275–81

[Activated and cytotoxic-suppressive T cells in rheumatoid polyarthritis] Mercier P, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):595–602 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

A continued evaluation of the experimental conditions of a Con A-induced suppressor test system. Davidsen B, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Aug; 91(4):283–91

Benoxaprofen activation of suppressor activity in mononuclear leucocytes by a pro-oxidative mechanism in vitro. Eftychis H, et al. **Agents Actions** 1984 Jun; 14(5–6):649–53

Modulation of bleomycin-induced pulmonary fibrosis in the BALB/c mouse by cyclophosphamide-sensitive T cells. Schrier DJ, et al. **Am J Pathol** 1984 Aug;116(2):270–8

Aclacinomycin inhibits suppressor cells in vivo and in vitro. Orbach-Arbouys S, et al. **Behring Inst Mitt** 1984 May; (74):258–61

Concanavalin A induced suppressor cell activity and autorosette forming cells in chronic myeloid leukemia patients. Somasundaram R, et al. **Br J Cancer** 1983 Dec; 48(6):783–90

Third annual Sapporo Cancer Seminar. Biological responses in cancer chemotherapy. **Cancer Res** 1983 Dec;43(12 Pt 1):6109–12

Reversal of immunological tolerance by aclacinomycin through inhibition of suppressor cell activity. Orbach-Arbouys S, et al. **Cell Immunol** 1983 Oct 15; 81(2):384–90

The differential effect of 2-deoxyguanosine on concanavalin A-induced suppressor and cytotoxic activity. Varey AM, et al. **Cell Immunol** 1983 Oct 1;81(1):99–104

In vitro correction of a deficiency of Con A-induced suppressor cell function in primary biliary cirrhosis by a pharmacological concentration of colchicine. Ilfeld D, et al. **Clin Exp Immunol** 1984 Aug;57(2):438–42

Effect of colchicine on immunoregulatory abnormalities in familial Mediterranean fever. Schlesinger M, et al. **Clin Exp Immunol** 1983 Oct;54(1):73–9

The induction of oxazolone-specific T suppressor afferent cells in mice by hapten-modified isologous IgG. Marcinkiewicz J, et al. **Eur J Immunol** 1984 Aug; 14(8):759–62

Evidence of suppressor activity mediated by concanavalin-A stimulated cells towards aspecific LIF production. Beatrice F, et al. **G Batteriol Virol Immunol** 1982 Jan-Jun; 75(1–6):16–24

The effect of cimetidine treatment on suppressor T cells in duodenal ulcer patients. Tchórzewski H, et al. **Immunol Lett** 1984;7(5):285–8

A chemical carcinogen, 3-methylcholanthrene, alters T-cell function and induces T-suppressor cells in a mouse model system. Alfred LJ, et al. **Immunology** 1983 Oct;50(2):207–13

Pharmacologic modulation in vitro of human histamine-induced suppressor cell activity. Rocklin RE, et al. **Int J Immunopharmacol** 1984;6(3):179–86

Conversion of normal host splenocytes to suppressor cells by tumor-induced suppressor T-cell-derived factor(s): cyclophosphamide treatment reverses inhibitory activity. Elgert KD, et al. **J Biol Response Mod** 1983;2(3):238–50

Effects of antithyroid drugs on Con A-induced suppressor cell activity. Okabe N, et al. **J Clin Lab Immunol** 1984 Apr;13(4):167–9

Indomethacin sensitive suppressor cells in Crohn's disease: a possible role in decreased lymphocyte responsiveness. Victorino RM. **J Clin Lab Immunol** 1983 Aug; 11(4):197–201

Inhibition of T suppressor cell expression by histamine type 2 (H2) receptor antagonists. Griswold DE, et al. **J Immunol** 1984 Jun;132(6):3054–7

Effect of N-(2-carboxyphenyl)-4-chloroanthranilic acid disodium salt (CCA) on the induction of helper and suppressor T cells in vitro and in vivo. Yamamoto I, et al. **Jpn J Pharmacol** 1983 Aug;33(4):859–66

Sparing of suppressor cells: a critical action of cyclosporine. Kupiec-Weglinski JW, et al. **Transplantation** 1984 Aug; 38(2):97–101

Absence of dependence on cyclophosphamide-sensitive suppressor cells in suppression of cell-mediated immunity by cyclosporine in the guinea pig. Thomson AW, et al. **Transplantation** 1984 Jul;38(1):76–7

[Are suppressor T-cells the primary target cells of lead immunotoxicity?] Hambach A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):316–28 (Eng. Abstr.) **(Ger)**

[Suppressor activity changes in human T-lymphocytes as affected by adreno- and cholinotropic substances] Salmasi ZhM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):71–5 (Eng. Abstr.) **(Rus)**

[Effect of type II neuroleptanalgesia on the suppressor T-lymphocyte population] Pacheco M, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):49–51 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Monitoring of suppressor cell activity in nine renal transplant patients. Petri I, et al. **Acta Chir Hung** 1984;25(2):119–23

T-ALL related to intermediate cortical/medullary thymocytes displaying functional and surface characteristics of suppressor T cells. Herrmann F, et al. **Acta Haematol (Basel)** 1984;71(1):1–7

Sensitivity of preincubated lymphocytes to suppressor regulation. Kalmár L, et al. **Acta Med Hung** 1983; 40(4):195–202

Effect of cyclophosphamide on spleen cell suppressor activity and tumour growth in mice. Larsen FS, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Oct; 91(5):323–33

In vivo inhibition by intact mouse serum of the activity of the flavivirus-induced T-suppressors of autoreactive T-lymphocytes. Khozinsky VV, et al. **Acta Virol (Praha)** 1984 May;28(3):212–7

Decreased T cell ecto-5'-nucleotidase activity in agammaglobulinemia patients is not due to altered proportions of helper and suppressor T cells as defined by the monoclonal antibodies OKT4 and OKT8. Thompson LF, et al. **Adv Exp Med Biol** 1984;165 Pt B:153–8

Inhibition of murine suppressor T cell development by 2'-deoxyguanosine in vivo. van den Akker TW, et al. **Adv Exp Med Biol** 1984;165 Pt B:183–8

T helper and T suppressor subpopulations in pollinosis. Effect of specific immunotherapy. Dominguez MA, et al. **Allergol Immunopathol (Madr)** 1983 Nov-Dec;11(6):415–20

Functional diversity within the suppressor phenotype as defined by monoclonal antibody in T-cell prolymphocytic leukemia. Zamkoff KW, et al. **Am J Hematol** 1984 May; 16(4):409–17

Quantitative changes in T helper or T suppressor/cytotoxic lymphocyte subsets that distinguish acquired immune deficiency syndrome from other immune subset disorders. Fahey JL, et al. **Am J Med** 1984 Jan;76(1):95–100

Suppressor cells in end-stage renal disease. Functional assays and monoclonal antibody analysis. Raskova J, et al. **Am J Med** 1984 May;76(5):847–53

T-cell subsets in patients with preeclampsia [letter] Siegel I, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):583–4
Inhibition of Candida albicans—induced lymphocyte proliferation by lymphocytes and sera from women with recurrent vaginitis. Witkin SS, et al.
Am J Obstet Gynecol 1983 Dec 1;147(7):809–11
Local active suppression by suppressor cells in the decidua: a review. Clark DA, et al. **Am J Reprod Immunol** 1984 Mar;5(2):78–83 (74 ref.)
Induction of suppressor cell activity by human pregnancy serum. Nakamura T, et al. **Am J Reprod Immunol** 1983 Oct–Nov;4(3):133–8
Effector and regulator functions of splenic and thymic lymphocytes in the clawed toad Xenopus. Hsu E, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):277–92
Control of isotype expression by helper T-cell clones and suppressor cells. Thèze J, et al. **Ann Immunol (Paris)** 1983 Jul–Aug;134D(1):55–61 (14 ref.)
Augmentation of delayed-type hypersensitivity reactions to ovalbumin by cyclophosphamide in the mouse: strain variability, antigen specificity and nature of the suppressor cell. Thomson AW, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):267–75
Anapsos, an antipsoriatic drug which increases the proportion of suppressor cells in human peripheral blood. Vargas J, et al. **Ann Immunol (Paris)** 1983 May–Jun;134C(3):393–400
Suppressor T-lymphocytes in multiple sclerosis: analysis of patients with acute relapsing and chronic progressive disease. Paty DW, et al. **Ann Neurol** 1983 Oct;14(4):445–9
Low T8 antigen density on lymphocytes in active multiple sclerosis. Reder AT, et al. **Ann Neurol** 1984 Aug; 16(2):242–9
The use of a small synthetic antigen to study immune regulation by way of idiotypes. Bellone CJ, et al.
Ann NY Acad Sci 1983;418:74–83
Cellular and molecular mechanisms that regulate idiotype expression in myeloma cells. Lynch RG, et al.
Ann NY Acad Sci 1983;418:346–55
Maternal–fetal transfer of a state of idiotypic suppression. Nisonoff A, et al. **Ann NY Acad Sci** 1983;418:40–7
Idiotype determined circuits in maternally suppressed mice. Victor C, et al. **Ann NY Acad Sci** 1983;418:220–9
Decreased T-suppressor cell activity in rats with adjuvant arthritis. Binderup L. **Ann Rheum Dis** 1983 Dec;42(6):693–8
Lymphocyte–macrophage co-operation during induction of T-suppressor cell activity in rats with adjuvant arthritis. Binderup L. **Ann Rheum Dis** 1983 Dec;42(6):687–92
Suppressor cell number and function in alopecia areata. Hordinsky MK, et al. **Arch Dermatol** 1984 Feb; 120(2):188–94
Suppression of contact sensitivity to picryl chloride. Interaction between T suppressor auxiliary cells, suppressor factors and macrophages. Marcinkiewicz J.
Arch Immunol Ther Exp (Warsz) 1983;31(6):849–55
Suppressor T cell memory. Induction and recall of HGG-specific memory suppressor T cells and their role in regulation of antibody production. Loblay RH, et al. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):11–25
Correlation between helper/suppressor ratio and IgA levels in the peripheral blood from patients with liver diseases. Fiorini G, et al. **Biomed Pharmacother** 1983;37(4):180–3
Suppressor T-cell circuit in man. Heijnen CJ, et al.
Birth Defects 1983;19(3):15–20
Diminished helper/suppresor lymphocyte ratios and natural killer activity in recipients of repeated blood transfusions. Kaplan J, et al. **Blood** 1984 Jul;64(1):308–10
Functional properties of neoplastic T cells in adult T cell lymphoma/leukemia patients from the Caribbean. Miedema F, et al. **Blood** 1984 Feb;63(2):477–81
T lymphocyte-mediated graft—antigraft reactivity during graft-versus-host reaction in vitro. von Melchner H, et al. **Blood** 1984 Apr;63(4):812–7
Functional characterization of T lymphocytes grown in semisolid agar. Ludwig CU, et al. **Blut** 1983 Oct; 47(4):185–93
Spontaneous and Concanavalin A-induced suppressor activity in control and Hodgkin's disease patients. Akbar AN, et al. **Br J Cancer** 1984 Mar;49(3):349–56
Suppressor T cells in BCG-treated mice interfere with an in vivo specific antitumoral immune response. Payelle B, et al. **Br J Cancer** 1984 Jun;49(6):759–68
Epidermal T lymphocytes and HLA-DR expression in psoriasis. Baker BS, et al. **Br J Dermatol** 1984 May; 110(5):555–64
Polyclonal B-cell activation and increased lymphocyte helper-suppressor ratios in discoid lupus erythematosus. Wangel AG, et al. **Br J Dermatol** 1984 Jun;110(6):665–9
Study of the target cell of the dengue virus-induced suppressor signal. Shukla MI, et al. **Br J Exp Pathol** 1984 Apr;65(2):267–73
Differential cyclophosphamide sensitivity of T lymphocytes of the dengue virus-induced suppressor pathway. Shukla MI, et al. **Br J Exp Pathol** 1984 Aug;65(4):397–403
Increased suppressor- and normal helper T-cell activity in patients with B-cell chronic lymphatic leukaemia (B-CLL) [letter] Sieber G, et al. **Br J Haematol** 1983 Nov;55(3):561–3
Suppressor cells in the thoracic duct lymph of tolerant, spleen-grafted rats. Stepkowski SM, et al. **Can J Surg** 1984 Jan;27(1):22–4
Epitheliotropic lymphoma of the small bowel. Report of a fatal case with cytotoxic/suppressor T-cell immunotype. Foucar K, et al. **Cancer** 1984 Jul 1;54(1):54–60
Increased proportion of suppressor/cytotoxic (OKT8+) cells in patients with Hodgkin's disease in long-lasting remission. Lauria F, et al. **Cancer** 1983 Oct 15;52(8):1385–8
Concanavalin A-induced and spontaneous suppressor cell activities in peripheral blood lymphocytes and spleen cells from gastric cancer patients. Toge T, et al. **Cancer** 1983 Nov 1;52(9):1624–31
Characterization of multiple immune defects in human malignant lymphoma. Whisler RL, et al. **Cancer** 1984 Jun 15;53(12):2628–34
Supernatant derived from a human hepatocellular carcinoma cell line (PLC/PRF/5) activates a population of T-suppressor cells. Keong A, et al.
Cancer Immunol Immunother 1983;15(3):178–82
Gamma-irradiation facilitates the expression of adoptive immunity against established tumors by eliminating suppressor T cells. North RJ.
Cancer Immunol Immunother 1984;16(3):175–81
Suppressor and reactive lymphocytes in radiation leukemia virus (RadLV)-induced leukemogenesis. Yefenof E, et al. **Cancer Immunol Immunother** 1983;16(1):48–52
BCG-induced macrophages as suppressor cells. Druker BJ, et al. **Cancer Invest** 1983;1(2):151–61 (128 ref.)
Impairment of concanavalin A-inducible suppressor activity following administration of cyclophosphamide to patients with advanced cancer. Berd D, et al. **Cancer Res** 1984 Mar; 44(3):1275–80
Role of suppressor cells in the decline of natural killer cell activity in estrogen-treated mice. Milisauskas VK, et al. **Cancer Res** 1983 Nov;43(11):5240–3
Negative and positive immunobiological responses in mice pretreated with Bacillus Calmette-Guérin cell wall. Mizushima Y, et al. **Cancer Res** 1984 Jan;44(1):20–4
Enhanced suppressor macrophage activity associated with termination of the L5178Y cell tumor-dormant state in DBA/2 mice. Robinson MK, et al. **Cancer Res** 1983 Dec; 43(12 Pt 1):5831–6
Suppression of delayed-type hypersensitivity to third party 'bystander' alloantigens by antigen-specific suppressor T cells. Bianchi AT, et al. **Cell Immunol** 1983 Oct 15; 81(2):333–44
Experimental erythrocyte autoantibodies. V. Induction and suppression of red blood cell autoantibodies in mice injected with rat bromelain-treated red blood cells. Cox KO, et al. **Cell Immunol** 1983 Oct 1;81(1):22–7
Inhibitors of prostaglandin synthesis block the induction of staphylococcal enterotoxin B-activated T-suppressor cells. Donnelly RP, et al. **Cell Immunol** 1983 Oct 1;81(1):61–70
Comparative analysis of the suppression by cord blood mononuclear cells of adult and neonatal lymphocytes. Dwyer JM, et al. **Cell Immunol** 1983 Oct 1;81(1):81–7
Characterization of two suppressor cells that together prevent in vivo development of cytolytic T cells to hapten-altered self. Gautam SC, et al. **Cell Immunol** 1984 Aug;87(1):23–34
The role of PNP enzyme in autologous rosette-forming cells. Goldschmidt-Clermont P, et al. **Cell Immunol** 1984 Sep; 87(2):340–7
Effect of irradiation on human T-cell proliferation: low dose irradiation stimulates mitogen-induced proliferation and function of the suppressor/cytotoxic T-cell subset. Gualde N, et al. **Cell Immunol** 1984 Apr 1;84(2):439–45
Tumor bearer T cells suppress Bacillus Calmette-Guérin-potentiated antitumor responses. III. Identification of an auxiliary efferent suppressor-T-cell population. Hawrylko E, et al. **Cell Immunol** 1984 Sep; 87(2):566–79
Suppressor T-lymphocytes in the spinal cord of Lewis rats recovered from acute experimental allergic encephalomyelitis. Hickey WF, et al. **Cell Immunol** 1984 Apr 15;85(1):284–8
Selective emigration of suppressor T cells from Peyer's patches. Jeurissen SH, et al. **Cell Immunol** 1984 Apr 15; 85(1):264–9
T and B cells induce macrophages which suppress proliferation but not lymphokine secretion. Li W, et al. **Cell Immunol** 1984 Sep;87(2):366–78
Suppression of interleukin-2 production by human concanavalin A-induced suppressor cells. Lomnitzer R, et al. **Cell Immunol** 1984 Jul;86(2):362–70
The suppression of mitogen responses associated with resistance to experimental autoimmune encephalomyelitis requires adherent and T cells. Lyman WD, et al.
Cell Immunol 1984 May;85(2):542–8
Immunologic suppression after oral administration of antigen. III. Activation of suppressor-inducer cells in the Peyer's patches. Mattingly JA. **Cell Immunol** 1984 Jun;86(1):46–52
Neonatal splenic suppressor cells in the chicken. I. In vivo suppression of the immune response to bovine serum albumin by normal and tolerized neonatal spleen cells. Morgan AS, et al. **Cell Immunol** 1983 Dec;82(2):370–7
Regulation of naturally occurring autoantibody secretion by a radiosensitive lymphocyte: initial characterization and ontogeny. Moticka EJ. **Cell Immunol** 1983 Oct 1; 81(1):36–44
Effector activity of OKT4+ and OKT8+ T-cell subsets in lectin-dependent cell-mediated cytotoxicity against adherent HEp-2 cells. Perl A, et al. **Cell Immunol** 1984 Mar;84(1):185–93
Suppression of B-cell and T-cell responses by the prostaglandin-induced T-cell-derived suppressor (PITS). II. Resolution of multiple PITS beta factors. Rogers TJ, et al. **Cell Immunol** 1984 Sep;87(2):703–7
Relationships between suppressor macrophages and macrophage precursors in the spleens from tumor-bearing mice. Shibata Y, et al. **Cell Immunol** 1984 Apr 15; 85(1):45–57
Feedback suppression of the immune response in vivo. III. Lyt-1+ B cells are suppressor-inducer cells. Shimamura T, et al. **Cell Immunol** 1984 Jan;83(1):221–4
Immunoregulation by mouse T-cell clones. I. Suppression and amplification of cytotoxic responses by cloned H-Y-specific cytolytic T lymphocytes. Simon MM, et al. **Cell Immunol** 1984 Jun;86(1):206–21
Lymphocyte function in experimental African trypanosomiasis. VII. Loss of antigen-nonspecific suppressor-T-cell activity. Sizemore RC, et al.
Cell Immunol 1984 Sep;87(2):684–91
A study of the mechanism of Con A-induced immunosuppression in vivo. Smith SR, et al.
Cell Immunol 1984 Aug;87(1):147–58
alpha-Fucose inhibits human mixed-lymphocyte culture reactions and subsequent suppressor cell generation. Stankova J, et al. **Cell Immunol** 1984 Jan;83(1):83–91
Epitope-specific regulation. IV. In vitro studies with suppressor T cells induced by carrier/hapten-carrier immunization. Tagawa M, et al. **Cell Immunol** 1984 Jul; 86(2):327–36
Effects of pertussis toxin on delayed-type hypersensitivity responses and on the activity of suppressor T cells on the responses. Tamura S, et al. **Cell Immunol** 1983 Oct 15; 81(2):219–28
Interleukin 2 induction of antigen-nonspecific suppressor cells. Thoman ML, et al. **Cell Immunol** 1984 Apr 15; 85(1):215–24
Induction of suppressor T cells in asthmatic children by theophylline treatment. Shohat B, et al. **Clin Allergy** 1983 Sep;13(5):487–93
Specific suppressor T cell function in a patient with Graves' disease and her healthy identical twin. Balázs C, et al.
Clin Endocrinol (Oxf) 1984 Jun;20(6):683–93
Anti-lymphocyte antibodies in lethal mouse malaria. II. Induction of an autoantibody specific suppressor T cell by non-lethal P. yoelii. de Souza JB, et al.
Clin Exp Immunol 1983 Oct;54(1):110–6
Spontaneous suppressor cell activity in the peripheral blood of patients with malignant and chronic inflammatory bowel diseases. Doldi K, et al. **Clin Exp Immunol** 1984 Mar; 55(3):655–63
Surface Lyt phenotype of suppressor cells in C57BL/6 mice infected with Mycobacterium lepraemurium. Hoffenbach A, et al. **Clin Exp Immunol** 1983 Oct;54(1):151–7
Depression of the generation of cell-mediated cytotoxicity by suppressor cells after surgery. Miyazaki S, et al.
Clin Exp Immunol 1983 Nov;54(2):573–9
Tumour-induced suppressor macrophages in rats: differences in their suppressive effects on the Con A and PHA responses. Mizushima Y, et al. **Clin Exp Immunol** 1984 Aug; 57(2):371–9
Induction of non-specific human suppressor cells in vitro by defined Onchocerca volvulus antigens. Ouaissi MA, et al. **Clin Exp Immunol** 1983 Sep;53(3):634–44
In vitro and in vivo actions of acetylcholine receptor educated suppressor T cell lines in murine experimental autoimmune myasthenia gravis. Pachner AR, et al.
Clin Exp Immunol 1984 Jun;56(3):659–68
T cell subsets in patients with rheumatoid arthritis: reduction of cells with Leu 2A phenotype in patients with serum IgG immunocomplexes. Queiros MV, et al.
Clin Exp Immunol 1983 Nov;54(2):509–14
Suppressor cell activity and phenotypes in the blood or tissues of patients with leprosy. Rea TH.
Clin Exp Immunol 1983 Nov;54(2):298–304 (25 ref.)
Hyperglobulinaemia in chronic liver disease: relationships between in vitro immunoglobulin synthesis, short lived suppressor cell activity and serum immunoglobulin levels. Rong PB, et al. **Clin Exp Immunol** 1984 Mar;55(3):546–52
Induction of suppressor cell activities in normal lymphocytes by sera from gastric cancer patients. Toge T, et al.
Clin Exp Immunol 1983 Oct;54(1):80–6
Identification of B-cell and T-helper-cell defects, and of suppressor cell hyperactivity, in humoral immunodeficiency. Jones BM.
Clin Immunol Immunopathol 1984 Jul;32(1):41–51
In vitro differences in lymphocyte subpopulation reactivity in lung cancer patients: purified protein derivative-specific suppressor T lymphocytes in patients who have received Bacillus Calmette-Guerin. Ostenson RC, et al.
Clin Immunol Immunopathol 1984 Feb;30(2):233–40
Suppressor cell numbers and activity in non-transfused renal dialysis patients. Smith MD, et al. **Clin Nephrol** 1983 Sep; 20(3):130–5
Suppressor T cells and the immune response to tumors. Schatten S, et al. **CRC Crit Rev Immunol** 1984;4(4):335–79 (302 ref.)
Effects of Corynebacterium parvum after intraperitoneal injection in hamsters. Duthu A, et al.
Dev Comp Immunol 1984 Winter;8(1):231–6
T lymphocyte subsets in patients with newly diagnosed type 1 (insulin-dependent) diabetes: a prospective study. Buschard K, et al. **Diabetologia** 1983 Sep;25(3):247–51
Cellular basis of concanavalin A-activated T-cell-mediated suppression of DNA synthesis by PHA-stimulated lymphocytes from patients with Kenyan visceral

leishmaniasis. Koech DK. **East Afr Med J** 1983 Dec; 60(12):838–42

Autoregulation of autoantibody synthesis in mercuric chloride nephritis in the Brown Norway rat. I. A role for T suppressor cells. Bowman C, et al. **Eur J Immunol** 1984 May;14(5):464–70

Induction of memory and effector suppressor T cells by perinatal exposure to antigen. Fazekas de St. Groth B, et al. **Eur J Immunol** 1984 Mar;14(3):228–35

Suppression of the cytotoxic T cell response to minor alloantigens in vivo. Linked recognition by suppressor T cells. Gascoigne NR, et al. **Eur J Immunol** 1984 Mar; 14(3):210–5

Suppression of the cytotoxic T cell response to minor alloantigens in vivo. II. Fine specificity of suppressor T cells and lack of restriction by immunoglobulin heavy chain–linked gene products. Gascoigne NR. **Eur J Immunol** 1984 Jul;14(7):677–80

Induction of suppressive cells within the T4 subset by a human T–T hybridoma–produced factor. Grillot–Courvalin C, et al. **Eur J Immunol** 1983 Dec; 13(12):1013–6

Self– and allo–specific suppressor T cells evoked by intravenous injection of F protein. Lukic ML, et al. **Eur J Immunol** 1984 Aug;14(8):766–8

Cloned human T lymphocytes with lymphostimulatory capacity preferentially activate suppressor cells. Pawelec G, et al. **Eur J Immunol** 1984 Apr;14(4):335–40

Idiotypic and fine specificity analysis of a (4–hydroxy–3–nitrophenyl)acetyl (NP)–specific suppressor T cell hybridoma at the level of cell surface structures, isolated receptor material and functional suppressor factor. Suzuki G, et al. **Eur J Immunol** 1983 Sep;13(9):711–9

In vivo regulation of the cytolytic T cell response to hapten–altered self: suppressor T cells induced in the regional lymph nodes by exposure to syngeneic spleen cells. Wong HL, et al. **Eur J Immunol** 1984 Jul;14(7):629–33

Regeneration and the immune system. II. Suppressor activities of lymphocytes activated in vivo by liver regeneration and their genetic control. Yokomuro K, et al. **Eur J Immunol** 1983 Nov;13(11):883–9

Allosuppression: evidence for the involvement of both 'noncytotoxic' and cytotoxic T cells. Zamoyska R, et al. **Eur J Immunol** 1984 Jul;14(7):645–51

Spleen transplantation in the dog as a model for studying immunological feedback reactions. Hofmann GO, et al. **Eur Surg Res** 1984;16(1):40–6

Differential antigen presentation in tumor immunity. Schatten S, et al. **Fed Proc** 1984 Jun;43(9):2460–4 (32 ref.)

Role of natural suppressor cells in allograft tolerance. Strober S, et al. **Fed Proc** 1984 Feb;43(2):263–5

Immune status in Crohn's disease. VI. Immunoregulation evaluated by multiple, distinct T–suppressor cell assays of lymphocyte proliferation, and by enumeration of immunoregulatory T–lymphocyte subsets. Auer IO, et al. **Gastroenterology** 1984 Jun;86(6):1531–43

Hypogammaglobulinemia due to abnormal suppressor T–cell activity in Crohn's disease. Elson CO, et al. **Gastroenterology** 1984 Mar;86(3):569–76

Suppression of immunoglobulin synthesis by lymphocyte subpopulations in patients with Crohn's disease. James SP, et al. **Gastroenterology** 1984 Jun;86(6):1510–8

Increased concanavalin A induced suppression in treated and untreated coeliac disease. O'Farrelly C, et al. **Gut** 1984 Jun; 25(6):644–8

Interactions between radioresistant T cells from plasmacytoma–bearing mice and radiosensitive T cells from normal mice leading to suppression. Muul LM, et al. **Hematol Oncol** 1983 Jan–Mar;1(1):85–92

Which twin has T–cell defect? Graves' study shows for sure [news] **Hosp Pract** 1983 Oct;18(10):41, 47–8

Antigen–specific suppressor T–cell factors. Kapp JA, et al. **Hosp Pract [Off]** 1984 Aug;19(8):85–7, 91, 95–8

Rheumatoid arthritis: evidence for a defect in T–cell function. Vaughan JH. **Hosp Pract [Off]** 1984 May;19(5):101–7

Strong lymphoproliferative suppressive function of PLT clones specific for SB–like antigens. Pawelec G, et al. **Hum Immunol** 1984 Mar;9(3):145–57

Alloproliferative human T cell clones primed and cultured in vitro lose proliferative and gain suppressive activity with age. Pawelec G, et al. **Hum Immunol** 1984 Jun;10(2):135–42

The phenotype of antigen–specific suppressor T cells generated in human mixed leucocyte culture depends on the nature of the major histocompatibility regions recognized. Ress SR, et al. **Hum Immunol** 1984 May; 10(1):41–55

Radiosensitive suppressor T cells for LIF production in mixed lymphocyte reactions. Sandru G, et al. **Immunobiology** 1984 May;166(3):263–74

Evaluation of the immunosuppression in an experimental model of autoimmunity: suppressor activity of spleen cells from cyclophosphamide–treated rats. Serra HM, et al. **Immunol Lett** 1983;7(3):163–9

Network regulation among T cells: qualitative and quantitative studies on suppression in the non–immune state. Cooper J, et al. **Immunol Rev** 1984 Jun;79:63–86 (46 ref.)

Suppression of the mixed lymphocyte reaction by alloantigen–primed and –stimulated human spleen lymphocytes. Akbar AN, et al. **Immunology** 1984 Feb; 51(2):361–6

Antigen–induced suppression in man: non–specific suppression mediated via OKT8+ cells. Cohen MG, et al. **Immunology** 1984 Aug;52(4):589–98

Suppressor cells induced by BCG release non–specific factors in vitro which inhibit DNA synthesis and interleukin–2 production. Colizzi V, et al. **Immunology** 1984 Jan; 51(1):65–71

Induction of suppressor T cells for lymph node cell proliferation after contact sensitization of mice with a poison oak urushiol component. Dunn IS, et al. **Immunology** 1984 Apr;51(4):773–81

Altered lymphocyte recognition repertoire during ageing. III. Changes in MHC restriction patterns in parental T lymphocytes and diminution in T suppressor function. Gorczynski RM, et al. **Immunology** 1984 Aug;52(4):611–20

Allospecific suppression without requirement for participation of Ly 2+ cells. Holáň V, et al. **Immunology** 1984 Mar;51(3):469–75

Feedback control of the secondary antibody response. II. Differences in the rate of induction of T–helper and T–suppressor memory. Kennedy MW, et al. **Immunology** 1983 Oct;50(2):297–302

Immunoregulation in experimental filariasis. III. Demonstration and characterization of antigen–specific suppressor cells in the spleen of Brugia pahangi–infected jirds. Lammie PJ, et al. **Immunology** 1984 Jun;52(2):211–9

Suppressor T cells for delayed–type hypersensitivity to Japanese encephalitis virus. Mathur A, et al. **Immunology** 1984 Jul;52(3):395–402

Bovine monocytes and macrophages: an accessory role in suppressor–cell generation by Con A and in lectin–induced proliferation. Ohmann HB, et al. **Immunology** 1983 Oct; 50(2):189–97

Analysis of the T suppressor cell circuit which regulates contact sensitivity in mice infected with the virus of Newcastle disease. Salerno A, et al. **Immunology** 1984 Feb; 51(2):305–11

Feedback control of the secondary antibody response. I. A suppressor, suppressor–inducer mechanism from the interaction of B–memory cells with Lyt 2– T cells. Thomas DB, et al. **Immunology** 1983 Oct;50(2):289–95

Induction and Ly phenotype of suppressor T cells in mice during primary infection with dengue virus. Wong PY, et al. **Immunology** 1984 Jan;51(1):51–6

Suppressor cells in levamisole–treated mice: a possible role of T–cell–mediated feedback suppression in the drug–induced suppression of the humoral immune response. Kurakata S, et al. **Immunopharmacology** 1983 Dec; 6(4):279–87

Immunoregulation of genetically controlled acquired responses to Leishmania donovani infection in mice: demonstration and characterization of suppressor T cells in noncure mice. Blackwell JM, et al. **Infect Immun** 1984 Apr;44(1):97–102

T suppressor cells as well as anti–hapten and anti–idiotype B lymphocytes regulate contact sensitivity to oxazolone in mice injected with purified protein derivative from Mycobacterium tuberculosis. Campa M, et al. **Infect Immun** 1984 Sep;45(3):701–7

Immunity to herpes simplex virus type 2: recurrent lesions are associated with the induction of suppressor cells and soluble suppressor factors. Iwasaka T, et al. **Infect Immun** 1983 Dec;42(3):955–64

Experimental erythrocyte autoimmunity. IV. Differential susceptibility to irradiation of suppressor cells for anti–rat RBC antibodies and suppressor cells for mouse RBC autoantibodies. Cox KO, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):89–91

Demonstration of long–lived memory T suppressor cells in the IgE response. HayGlass KT, et al. **Int Arch Allergy Appl Immunol** 1984;74(4):365–72

Activation of distinct T cell subsets involved in IgM antibody response of mice by pertussis toxin from Bordetella pertussis strain Maeno. Kumazawa Y, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):132–8

Defective concanavalin A–induced suppressor cell activity in lupus nephritis. Matsumoto K, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):48–51

Differential activities of rabbit bone marrow suppressor cells. Soderberg LS. **Int Arch Allergy Appl Immunol** 1984; 74(4):341–6

Regulation of constitutive bone marrow cell proliferation by bone marrow suppressor cells. Soderberg LS. **Int Arch Allergy Appl Immunol** 1984;74(4):305–10

Transduction of effector–suppressor T cells by an antigen–specific suppressor T cell factor and Lyt–1+,2+,3+ T cells. Tokuhisa T, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):120–5

Lymphoreticular cells isolated by centrifugal elutriation from a mammary adenocarcinoma. I. Characterization of an in situ lymphocyte suppressor population by surface markers and functional reactivity. Buessow SC, et al. **Int J Cancer** 1984 Jan 15;33(1):79–85

Role of T suppressor cells in the cycling of the immune response against a murine fibrosarcoma. Payelle B, et al. **Int J Cancer** 1984 Jul 15;34(1):95–100

Correction of an in vitro immunoregulatory defect in atopic subjects by the immunostimulating drug fanetizole mesylate (CP–48,810). Rocklin RE, et al. **Int J Immunopharmacol** 1984;6(1):1–8

ConA–induced suppressor cells in lepromatous leprosy patients during and after erythema nodosum leprosum. Sasiain MC, et al. **Int J Lepr** 1983 Sep;51(3):321–7

Anterior chamber–associated immune deviation induced by TNP–splenocytes (TNP–ACAID). II. Suppressor T–cell networks. Waldrep JC, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1339–45

Induction of suppressor T cells to dinitrofluorobenzene contact sensitivity by application of sensitizer through Langerhans cell–deficient skin. II. Kinetics of the induction of suppressor T cells. Kanagawa H, et al. **J Am Acad Dermatol** 1983 Nov;9(5):680–5

Prostaglandin–related and adherent cell suppressor system in apparently cured Hodgkin's disease patients. Haim N, et al. **J Biol Response Mod** 1984;3(2):219–25

Immunoregulatory cell subsets in Goodpasture's syndrome: evidence for selective T suppressor–cell depletion during active autoimmune disease. Ligler FS, et al. **J Clin Immunol** 1983 Oct;3(4):368–74

Role of normal adherent cells in the regulation of the autologous mixed lymphocyte reactions in humans. Pierri I, et al. **J Clin Immunol** 1984 May;4(3):197–201

Decreased T lymphocyte migration in patients with malignancy mediated by a suppressor cell population. Hesse DG, et al. **J Clin Invest** 1984 Apr;73(4):1078–85

Activation of antigen–specific suppressor T cells in the presence of cyclosporin requires interactions between T cells of inducer and suppressor lineage. Mohagheghpour N, et al. **J Clin Invest** 1983 Dec;72(6):2092–100

Immunoregulatory subsets of the T helper and T suppressor cell populations in homosexual men with chronic unexplained lymphadenopathy. Nicholson JK, et al. **J Clin Invest** 1984 Jan;73(1):191–201

Concanavalin A–induced suppressor cells. Armitstead JG, et al. **J Clin Lab Immunol** 1984 Jan;13(1):1–10 (102 ref.)

Characterization of human effector and suppressor T cells by their activity in mixed lymphocyte reaction and by monoclonal antibody phenotyping. Talpaz M, et al. **J Clin Lab Immunol** 1983 Dec;12(4):217–20

Effect of anergy on short–lived suppressor cells in patients with cirrhosis or peripheral vascular disease. Ulrich F, et al. **J Clin Lab Immunol** 1984 Apr;13(4):161–5

Suppressor T cell activity and antibodies to alcohol altered hepatocytes [letter] Pons Romero F, et al. **J Clin Pathol** 1984 May;37(5):598

Study on the suppressor phenomenon induced in contact hypersensitivity reaction. Kotake K, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):447–53

T cell regulation of b cell activation. Cloned Lyt–1+2–T suppressor cells inhibit the major histocompatibility complex–restricted interaction of T helper cells with B cells and/or accessory cells. Asano Y, et al. **J Exp Med** 1983 Oct 1;158(4):1178–90

Regulation of the antibody response to type III pneumococcal polysaccharide by contrasuppressor T cells. Braley–Mullen H. **J Exp Med** 1984 Jul 1;160(1):42–54

Generation and decay of the immune response to a progressive fibrosarcoma. II. Failure to demonstrate postexcision immunity after the onset of T cell–mediated suppression of immunity. Bursuker I, et al. **J Exp Med** 1984 May 1;159(5):1312–21

Antigen–specific suppression of human antibody responses by allogeneic T cells. I. Frequency and antigen specificity of allogeneic suppressor T cells and their role in major histocompatibility complex–controlled genetic restriction. Callard RE, et al. **J Exp Med** 1984 Apr 1;159(4):1225–37

Mechanisms of Ly2 suppressor cell activity. Activation of an Ly1 I–J+ cell is required to transduce the suppresive signal. Flood PM, et al. **J Exp Med** 1984 May 1; 159(5):1413–28

The role of I–J and Igh determinants on F1–derived suppressor factor in controlling restriction specificity. Minami M, et al. **J Exp Med** 1983 Nov 1;158(5):1428–43

Antiidiotypic immunity in interstitial nephritis. II. Rats developing anti–tubular basement membrane disease fail to make an antiidiotypic regulatory response: the modulatory role of an RT7.1+, OX8– suppressor T cell mechanism. Neilson EG, et al. **J Exp Med** 1984 Apr 1;159(4):1009–26

Generation and decay of the immune response to a progressive fibrosarcoma. I. Ly–1+2– suppressor T cells down–regulate the generation of Ly–1–2+ effector T cells. North RJ, et al. **J Exp Med** 1984 May 1;159(5):1295–311

Allosuppressor and allohelper T cells in acute and chronic graft–vs–host disease. V. F1 mice with secondary chronic GVHD contain F1–reactive allohelper but no allosuppressor T cells. Pals ST, et al. **J Exp Med** 1984 Feb 1;159(2):508–23

Mechanisms of suppression in the transfer of contact sensitivity. Analysis of an I–J+ molecule required for Ly2 suppressor cell activity. Ptak W, et al. **J Exp Med** 1983 Dec 1;158(6):1822–35

Suppressor T cell growth and differentiation. Identification of a cofactor required for suppressor T cell function and distinct from interleukin 2. Rich S, et al. **J Exp Med** 1984 May 1;159(5):1473–90

Purification and characterization of an L–glutamic acid60–L–alanine30–L–tyrosine10 (GAT)–specific suppressor factor from genetic responder mice. Sorensen CM, et al. **J Exp Med** 1983 Oct 1;158(4):1034–47

Reversal of infectious mononucleosis–associated suppressor T cell activity by D–mannose. Tosato G, et al. **J Exp Med** 1983 Oct 1;158(4):1048–60

Inactivation of specific anti–H–2 suppressor T cells by antisera to I–J and I–C subregion products of the H–2 complex. Brondz BD, et al. **J Immunogenet** 1983 Dec;

10(6):425–38
Suppression of the responsiveness of lymphocytes from cancer patients triggered by co-culture with autologous tumor-derived cells. Akiyama M, et al. J Immunol 1983 Dec;131(6):3085–90
Activation of type III pneumococcal polysaccharide-specific suppressor T cells in cyclophosphamide-treated mice requirement for recognition of antigen and I-J determinants on antigen coupled to syngeneic spleen cells. Braley-Mullen H. J Immunol 1983 Nov;131(5):2190–5
NK and T cell subsets regulate antibody production by human in vivo antigen-induced lymphoblastoid B cells. Brieva JA, et al. J Immunol 1984 Feb;132(2):611–5
Influence of 2'-deoxyguanosine upon the development of DTH effector T cells and suppressor T cells in vivo. Bril H, et al. J Immunol 1984 Feb;132(2):599–604
The mechanisms of inhibition of human IL 2 production. II. PGE2 induction of suppressor T lymphocytes. Chouaib S, et al. J Immunol 1984 Apr;132(4):1851–7
Immunoregulatory activities of autoreactive T cells: an I-A-specific T cell clone mediates both help and suppression of antibody responses. Clayberger C, et al. J Immunol 1984 May;132(5):2237–43
Deoxyadenosine modulates human suppressor T cell function and B cell differentiation stimulated by Staphylococcus aureus protein A. Cohen AH, et al. J Immunol 1984 Apr; 132(4):1761–6
Regulation of the primary in vitro response to TNP-polymerized ova'bumin by T suppressor cells induced by ovalbumin ceding. Cowdery JS, et al. J Immunol 1984 Jun;132(6):2783–9
Activation of antigen-specific suppressor T lymphocytes in man involves dual recognition of self class I MHC molecules and Leu-4/T3-associated structures on the surface of inducer T lymphocytes. Damle NK, et al. J Immunol 1984 Sep;133(3):1235–40
Alloantigen-specific cytotoxic and suppressor T lymphocytes are derived from phenotypically distinct precursors. Damle NK, et al. J Immunol 1983 Nov;131(5):2296–300
Soluble antigen-primed inducer T cells activate antigen-specific suppressor T cells in the absence of antigen-pulsed accessory cells: phenotypic definition of suppressor-inducer and suppressor-effector cells. Damle NK, et al. J Immunol 1984 Feb;132(2):644–50
IgE class-specific suppressor T cells and factors in humans. Deguchi H, et al. J Immunol 1983 Dec;131(6):2751–6
The allogeneic effect: the mechanism of allosuppression by Lyt-1, Is- T cells. Eastman AY, et al. J Immunol 1984 Sep;133(3):1155–62
Prevention of granuloma development in the mouse by using T cell hybridoma products. Ginsburg CH, et al. J Immunol 1984 Jan;132(1):203–8
Human suppressor cell induction in vitro: preferential activation by class I MHC antigen. Goeken NE. J Immunol 1984 May;132(5):2291–9
Functional clonal deletion and suppression as complementary mechanisms operative in adult hapten-induced cytotoxic T cell tolerance. Good MF, et al. J Immunol 1983 Dec; 131(6):2662–9
Proliferative and cytotoxic immune functions in aging mice. II. Decreased generation of specific suppressor cells in alloreactive cultures. Gottesman SR, et al. J Immunol 1984 Oct;133(4):1782–7
Epidermal antigen-presenting cells in activation of suppression: identification of a new functional type of ultraviolet radiation-resistant epidermal cell. Granstein RD, et al. J Immunol 1984 Feb;132(2):563–5
Isotype-specific human suppressor T cells for IgE synthesis activated by IgE-anti-IgE immune complexes. Hassner A, et al. J Immunol 1984 Jun;132(6):2844–9
Modulation of F1 cytotoxic potentials by GvHR: role and mode of action of non-MHC genes that determine the hybrid resistance to GvHR-associated suppression of F1 cytotoxic potential. Ishikawa H, et al. J Immunol 1984 May; 132(5):2218–25
Delineation of suppressor and helper activity within the OKT4-defined T lymphocyte subset in human newborns. Jacoby DR, et al. J Immunol 1983 Oct;131(4):1765–70
Regulation of anti-hapten antibody responses in vivo: memory, carrier-specific Lyt-2+ T cells can terminate antibody production without altering the peak of response. Kanellopoulos-Langevin C, et al. J Immunol 1984 Apr; 132(4):1639–46
A new mediator (suppressor cell induction factor) activating T cell-mediated suppression: characterization of suppressor cells, kinetics of their generation, and mechanism of their action. Kasakura S, et al. J Immunol 1983 Nov; 131(5):2307–15
Suppression of BCG cell wall-induced delayed-type hypersensitivity by pretreatment with killed BCG: induction of nonspecific suppressor T cells by the adjuvant portion (MDP) and of specific suppressor T cells by the antigen portion (TAP). Kato K, et al. J Immunol 1984 Jun; 132(6):2790–5
Characterization of a phenotypically distinct subpopulation of Leu-2+ cells that suppresses T cell proliferative responses. Landay A, et al. J Immunol 1983 Dec; 131(6):2757–61
Human antigen-specific IgA responses in blood and secondary lymphoid tissue: an analysis of help and suppression. McCaughan GW, et al. J Immunol 1984 Mar; 132(3):1190–6
A human alloreactive inducer T cell clone that selectively activates antigen-specific suppressor T cells. Mohagheghpour N, et al. J Immunol 1984 Jul;133(1):133–6
Accessory cells in immune suppression. I. Role of I-A+ accessory cells in effector phase idiotype-specific suppression of myeloma function. Moser G, et al. J Immunol 1983 Oct;131(4):1728–33
Effect of activated lymphocytes on the regulation of hematopoiesis: suppression of in vitro granulopoiesis by OKT8+Ia+T cells induced by alloantigen stimulation. Nakao S, et al. J Immunol 1984 Jan;132(1):160–4
Establishment and functional analysis of a cloned, antigen-specific suppressor effector T cell line. Nakauchi H, et al. J Immunol 1984 Jan;132(1):88–94
Antigen-specific suppressor T lymphocytes (Leu-2a+3a-) in human schistosomiasis japonica. Ohta N, et al. J Immunol 1983 Nov;131(5):2524–8
Natural suppressor (NS) cells found in the spleen of neonatal mice and adult mice given total lymphoid irradiation (TLI) express the null surface phenotype. Oseroff A, et al. J Immunol 1984 Jan;132(1):101–10
Allosuppressor- and allohelper-T cells in acute and chronic graft-vs-host disease. IV. Activation of donor allosuppressor cells is confined to acute GVHD. Pals ST, et al. J Immunol 1984 Apr;132(4):1669–78
Suppressor T cell recognition of major and minor histocompatibility alloantigens: selected suppression of MHC-directed responses by minor alloantigen Ts. Perry LL, et al. J Immunol 1984 Jul;133(1):16–23
Production of antigen-specific contrasuppressor cells and factor, and their use in augmentation of cell-mediated immunity. Ptak W, et al. J Immunol 1984 Aug;133(2):623–8
Antigen-specific T contrasuppressor factor in cell-mediated immunity: interactions leading to eradication of the tolerant state. Ptak W, et al. J Immunol 1984 Sep;133(3):1124–30
Class I restricted interaction between suppressor and cytolytic cells in the response to minor histocompatibility antigens. Rammensee HG, et al. J Immunol 1984 Feb; 132(2):668–72
Spleen cell-mediated suppression of IgG production to a non-parasite antigen during chronic Trypanosoma cruzi infection in mice. Reed SG, et al. J Immunol 1983 Oct; 131(4):1978–82
Cutaneous leishmaniasis in anti-IgM-treated mice: enhanced resistance due to functional depletion of a B cell-dependent T cell involved in the suppressor pathway. Sacks DL, et al. J Immunol 1984 Apr;132(4):2072–7
Regulation of the immune response to tumor antigens. X. Activation of third-order suppressor T cells that abrogate anti-tumor immune responses. Schatten S, et al. J Immunol 1984 Aug;133(2):1064–9
Identification and initial characterization of concanavalin A- and interferon-induced human suppressor factors: evidence for a human equivalent of murine soluble immune response suppressor (SIRS). Schnaper HW, et al. J Immunol 1984 May;132(5):2429–35
Suppressor T cell activation by human leukocyte interferon. Schnaper HW, et al. J Immunol 1983 Nov;131(5):2301–6
Characterization of anti-idiotypic suppressor T cells (Tsid) induced after antigen priming. Sherr DH, et al. J Immunol 1984 Sep;133(3):1142–50
Enterically induced regulation of systemic immune responses. II. Suppression of proliferating T cells by an Lyt-1+, 2- T effector cell. Silverman GA, et al. J Immunol 1983 Dec; 131(6):2656–61
Mechanisms of contact photosensitivity in mice. IV. Antigen-specific suppressor T cells induced by preirradiation of photosensitizing site to UVB. Takigawa M, et al. J Immunol 1984 Mar;132(3):1124–9
T cells from naive mice suppress the in vitro cytotoxic response against endogenous Gross virus-induced tumor cells. Tilkin AF, et al. J Immunol 1984 Jan;132(1):520–6
Induction of suppressor T cells by interleukin 2. Ting CC, et al. J Immunol 1984 Jul;133(1):261–6
Epstein-Barr virus induces normal B cell responses but defective suppressor T cell responses in patients with systemic lupus erythematosus. Tsokos GC, et al. J Immunol 1983 Oct;131(4):1797–801
A role for macrophages in suppressor cell induction. Usui M, et al. J Immunol 1984 Apr;132(4):1728–34
Requirements for suppressor T cell activation. Usui M, et al. J Immunol 1984 Sep;133(3):1137–41
Tolerance to Mls-disparate cells induces suppressor T cells that act at the helper level to prevent in vivo generation of cytolytic lymphocytes to hapten-altered self. Vargo PM, et al. J Immunol 1984 Jun;132(6):2796–801
Influence of radiation field and fractionation schedule of total lymphoid irradiation (TLI) on the induction of suppressor cells and stable chimerism after bone marrow transplantation in mice. Waer M, et al. J Immunol 1984 Feb;132(2):985–90
Suppression of cell-mediated immune responses after total lymphoid irradiation (TLI). I. Characterization of suppressor cells of the mixed lymphocyte reaction. Weigensberg M, et al. J Immunol 1984 Feb;132(2):971–8
T antigen expression by human lymphocytes in relation to E rosette affinity. Pezzutto A, et al. J Immunol Methods 1984 Jan 20;66(1):1–7
Increased numbers of suppressor-cytotoxic cells in a patient with carbamazepine hypersensitivity. Blijham GH, et al. J Immunopharmacol 1984;6(1-2):79–85
Immunomodulatory interactions of suppressor cells, cell-mediated immunity, and cyclophosphamide in experimental pyelonephritis. Miller T. J Infect Dis 1983 Dec;148(6):1096–100
Suppression of cellular reactivity to group A streptococcal antigens in patients with acute poststreptococcal glomerulonephritis. Reid HF, et al. J Infect Dis 1984 Jun; 149(6):841–50
Specific immunologic tolerance to dinitrofluorobenzene following topical application of dinitrothiocyanobenzene: modulation by suppressor T cells. Iijima M, et al. J Invest Dermatol 1983 Oct;81(4):325–30
Analysis of T regulator cell surface markers and functional properties in multiple sclerosis. Antel JP, et al. J Neuroimmunol 1984 Apr;6(2):93–103
Circulating lymphocyte subpopulations in experimental allergic neuritis. Feasby TE, et al. J Neuroimmunol 1984 Jun;6(3):209–14
Disease activity markers in multiple sclerosis. Another look at suppressor cells defined by monoclonal antibodies OKT4, OKT5, and OKT8. Rice GP, et al. J Neuroimmunol 1984 Apr;6(2):75–84
Depressed T lymphocyte function in brain tumor patients: monocytes as suppressor cells. Wood GW, et al. J Neurooncol 1983;1(2):87–94
Dynamics of T-suppressor and T-helper lymphocytes and haemolytic plaque-forming cells during normal pregnancy in the sow. Georgieva R. J Reprod Immunol 1984 May; 6(3):151–6
Role of suppressor T cells in herpes simplex virus-induced immune deviation. Whittum JA, et al. J Virol 1984 Aug; 51(2):556–8
Administration of nonsteroidal anti-inflammatory agents in patients with rheumatoid arthritis. Effects on indexes of cellular immune status and serum rheumatoid factor levels. Goodwin JS, et al. JAMA 1983 Nov 11;250(18):2485–8
A case of selective IgM deficiency: isotype-specific suppressor T lymphocytes. Matsushita S, et al. Jpn J Med 1984 May;23(2):149–51
Infection-induced immunosuppression in pyelonephritis: characteristics of the suppressor cell(s). Miller TE, et al. Kidney Int 1983 Sep;24(3):313–22
T-cell subset distribution in chronically aborting women [letter] Bertotto A, et al. Lancet 1984 Jan 14;1(8368):108
Abnormalities of circulating lymphocyte subsets in haemophiliacs in an AIDS-free population. Carr R, et al. Lancet 1984 Jun 30;1(8392):1431–4
Numerical and functional deficiency of suppressor T cells precedes development of atopic eczema. Chandra RK, et al. Lancet 1983 Dec 17;2(8364):1393–4
Antigen-specific suppressor cell function and autoimmune diseases [letter] How J, et al. Lancet 1984 Aug 25; 2(8400):463
Effect of temperature and storage on lymphocyte subpopulations [letter] Murray PI, et al. Lancet 1983 Dec 10;2(8363):1373–4
Antigen specific suppressor cell function in autoimmune chronic active hepatitis. Vento S, et al. Lancet 1984 Jun 2;1(8388):1200–4
Evaluation of blocking mechanisms against immunological responses in patients with laryngeal carcinoma. Morra B, et al. Laryngoscope 1984 Jun;94(6):825–8
Regulatory counteraction to IL-2 activity. Kramer MD, et al. Lymphokine Res 1983;2(3):77–82 (31 ref.)
T-cell chronic lymphocytic leukemia with morphologic and immunologic characteristics of cytotoxic/suppressor phenotype. Phyliky RL, et al. Mayo Clin Proc 1983 Nov; 58(11):709–20
Fc epsilon R and Fc gamma R expressed on murine IgE-specific suppressor T hybridomas. Dissociation between suppressor activity and Fc epsilon R expression. Yodoi J, et al. Microbiol Immunol 1983;27(10):877–91
Immunoregulatory T cells in measles. The relationship between reduced lymphocyte proliferative response to PHA and increased proportion of circulating suppressor-cytotoxic T cells. Bertotto A, et al. Microbiologica 1984 Jan;7(1):21–7
Differential induction of help and suppression in mice by bifunctional antigens administered via different routes. Kaymakcalan Z, et al. Mol Immunol 1984 Jun;21(6):529–36
Photoaffinity-labeled hapten-binding T-cell receptor on a suppressor T-cell hybridoma. Kumagai Y, et al. Mol Immunol 1984 Jun;21(6):545–59
Suppressor cell phenotype deficiency and its restoration by thymopoietin pentapeptide in atopic dermatitis. Kang K, et al. Monogr Allergy 1983;18:181–5 (20 ref.)
Regulation of human IgE response by IgE class-specific suppressor T cells or suppressor factor(s). Kishimoto T, et al. Monogr Allergy 1983;18:75–82
Non-specific immunosuppression by Cryptococcus neoformans infection. Blackstock R, et al. Mycopathologia 1984 Apr 30;86(1):35–43
Abnormal T-lymphocyte subpopulations in healthy subjects after tetanus booster immunization [letter] Eibl MM, et al. N Engl J Med 1984 Jan 19;310(3):198–9
Reduction of suppressor T lymphocytes in the tropical splenomegaly syndrome. Hoffman SL, et al. N Engl J Med 1984 Feb 9;310(6):337–41
Genetically restricted antigen presentation for immunological tolerance and suppression. Lowy A, et al. Nature 1984 Mar 22-28;308(5957):373–5
Multiple sclerosis: relation of in vitro IgG secretion to T suppressor cell number and function. Antel JP, et al.

Neurology (NY) 1984 Sep;34(9):1155–60
Facilitation of tumor metastasis by operative stress and participation of cell-mediated immunity. Experimental study. Takekoshi T, et al. **Oncology** 1984;41(4):245–51
Deficiency of Con A–induced suppressor cell activity in peripheral blood mononuclear cells from Thai adults naturally infected with Plasmodium falciparum and Plasmodium vivax. Gilbreath MJ, et al. **Parasite Immunol** 1983 Sep;5(5):431–40
Immunoregulation of genetically controlled acquired responses to Leishmania donovani infection in mice: the effects of parasite dose, cyclophosphamide and sublethal irradiation. Ulczak OM, et al. **Parasite Immunol** 1983 Sep; 5(5):449–63
Suppressor T-cell activity in newborns and mothers. Altman Y, et al. **Pediatr Res** 1984 Feb;18(2):123–6
Response of human newborn lymphocytes to alloantigen: lack of evidence for suppression induction. Hayward AR, et al. **Pediatr Res** 1984 May;18(5):414–9
Ontogenic development and biological role of fetal suppressor cells and newborn contrasuppressor cells in mice. Skowron-Cendrzak A. **Pol J Pharmacol Pharm** 1984 Mar-Jun;36(2–3):177–85 (45 ref.)
Cell-type-specific cDNA probes and the murine I region: the localization and orientation of Ad alpha. Davis MM, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2194–8
Evidence for two suppressor factors secreted by a single cell suggests a solution to the J-locus paradox. Ikezawa Z, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6637–41
Chronic treatment with rabbit anti-mouse mu-chain antibody alters the characteristic immunoglobulin heavy-chain restriction of murine suppressor T-cell factors. Sy MS, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3846–50
Effect of temperature on suppressor cells in chicken spleen cell cultures. Bhogal BS, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):414–8
Immunoregulation in multiple sclerosis. Weiner HL, et al. **Prog Brain Res** 1983;59:339–43
Experimental autoimmune encephalomyelitis in mice: Lyt and Ia phenotypes of the effector and suppressor cells. Bernard CC, et al. **Prog Clin Biol Res** 1984;146:277–84
Suppressor cells and chronic HBV infection. Eddleston AL. **Prog Clin Biol Res** 1983;143:299–307
Gene specific and antigen specific strategies for the induction of suppressor T cells to myelin basic protein. Steinman L, et al. **Prog Clin Biol Res** 1984;146:393–7
Decreased helper-suppressor cell ratios following treatment with blood products: factor VIII and IX concentrates and fresh frozen plasma. Ragni MV, et al. **Scand J Haematol [Suppl]** 1984;40:371
An OKT4+ T-cell population with suppressor activity in Sézary syndrome. Farnarier-Seidel C, et al. **Scand J Immunol** 1983 Nov;18(5):389–98
The prognosis of asymptomatic homosexual men with decreased T-helper to T-suppressor ratio. Gerstoft J, et al. **Scand J Immunol** 1984 Mar;19(3):275–80
Composition of a suppressor factor that inhibits the immune response to lactate dehydrogenase B. Ikezawa Z, et al. **Scand J Immunol** 1984 Aug;20(2):113–23
Immunoregulatory pathways in adult responder mice. I. Induction of GAT-specific tolerance and suppressor T cells for cellular and humoral responses. Jenkins MK, et al. **Scand J Immunol** 1984 Jun;19(6):501–12
Kinetic analysis of subset growth and B-cell activation in pokeweed mitogen-stimulated cultures of peripheral blood mononuclear cells depleted of or enriched for OKT8+ cells. Jones BM. **Scand J Immunol** 1983 Nov;18(5):399–406
Interaction of suppressor and helper antigenic determinants in the dominance of either tolerance or immunity. Kölsch E. **Scand J Immunol** 1984 May;19(5):387–93 (33 ref.)
Colony formation by subpopulations of human T lymphocytes. V. Helper and suppressor activity of cloned human T-cell lines. Sønderstrup-Hansen G, et al. **Scand J Immunol** 1984 May;19(5):481–4
Auto-delayed-type hypersensitivity induced in immunodeficient mice with syngeneic modified self-antigens. II. Suppressor T cells control the autoimmune response. Tarcic N, et al. **Scand J Immunol** 1984 Feb;19(2):111–21
Plaque-forming cells in man. II. Evidence of the existence of active suppressor cells in peripheral blood of normal plaque-forming cell non-responders. Tauris P. **Scand J Immunol** 1983 Sep;18(3):249–53
Impaired conA suppressor cell activity in patients with rheumatoid arthritis shows normalization during fasting. Sköldstam L, et al. **Scand J Rheumatol** 1983;12(4):369–73
Immunologic inhibition of ultraviolet radiation-induced tumor suppressor cell activity. Granstein RD, et al. **Science** 1984 May 11;224(4649):615–7
Tracking the lost I-J suppressor region [news] Marx JL. **Science** 1984 Feb 10;223(4636):573–4
A cyclophosphamide-sensitive suppressor T cell circuit induced by thermal injury. Kupper TS, et al. **Surgery** 1984 Jun;95(6):699–706
Suppressor cell induction in donor-specific transfused mouse heart recipients. Shelby J, et al. **Surgery** 1984 Aug; 96(2):296–301
I-J subregion and suppressor signals. Bromberg JS, et al. **Surv Immunol Res** 1982;1(1):67–75 (35 ref.)
Immune reactions in the eye. Foster CS, et al. **Surv Immunol Res** 1982;1(1):93–108
Concanavalin A–induced suppressor cell activity in patients with intracranial glioma. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):173–81
Thymosin (TFX) and suppressor cells of immunoglobulin (Ig) production in man. Korczak-Kowalska G, et al. **Thymus** 1983 Sep;5(5–6):447–8
Helper and suppressor T-cells regulating killer cells of EB virus infected cells. Yoshimura N, et al. **Tohoku J Exp Med** 1983 Aug;140(4):353–62
Suppressor factors in tumor immunity. Hellström KE, et al. **Transplant Proc** 1984 Apr;16(2):470–3
Evidence for donor-specific cell-mediated lympholysis unresponsiveness and suppressor cells in well functioning kidney transplants. Seki Y, et al. **Transplant Proc** 1983 Dec; 15(6):2131–5
Increase in neonatal suppressor cell activity resulting from the graft-versus-host reaction. Argyris BF. **Transplantation** 1984 Sep;38(3):247–51
Suppressor cells and their role in the survival of immunologically enhanced rat kidney allografts. Batchelor JR, et al. **Transplantation** 1984 Jan;37(1):43–6
Suppression of antigraft immunity by preimmunization. II. Characterization of the suppressor cells. Bianchi AT, et al. **Transplantation** 1984 May;37(5):490–9
Expression of OKT 8 antigen and Fc gamma receptors by suppressor cells mediating specific unresponsiveness between recipient and donor in renal-allograft-tolerant patients. Charpentier BM, et al. **Transplantation** 1983 Nov; 36(5):495–501
Suppressor T cells in rats with prolonged cardiac allograft survival after treatment with cyclosporine. Hall BM, et al. **Transplantation** 1984 Jun;37(6):595–600
Identification of donor-derived antigen-specific suppressor cells in murine bone marrow chimeras prepared with total-lymphoid irradiation. Okada S, et al. **Transplantation** 1983 Oct;36(4):417–22
Control by positive and negative regulatory cells of the generation of antigen-specific suppressor T cells that inhibit cytotoxic T cell responses to alloantigens. Pilarski LM, et al. **Transplantation** 1984 Jul;38(1):55–62
Blood transfusions, suppressor T cells, and renal transplant survival. Smith MD, et al. **Transplantation** 1983 Dec; 36(6):647–50
Specific LIF production in laryngeal cancer patients: evidence of suppressor activity exerted by adherent cells. Cortesina G, et al. **Tumori** 1983 Dec 31;69(6):497–502
[Suppressor cell activity in patients with viral hepatitis] Ji ZH. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):230–2 (Chi)
[Spontaneous suppressive lymphocytes in patients with glomerulonephritis] Korčáková L, et al. **Cas Lek Cesk** 1983 Dec 23;122(51):1588–91 (Eng. Abstr.) (Cze)
[Changes in the suppressive activity of splenic lymphocytes of mice induced in vitro by sodium periodate during magnesium deficiency] Claverie-Benureau S, et al. **C R Seances Acad Sci [III]** 1983;296(21):985–8 (Eng. Abstr.) (Fre)
[Activation by injectable gamma globulins of the suppressive functions of the humoral response tested in vitro] Durandy A, et al. **Presse Med** 1983 Nov 17;12(41):2567–71 (Eng. Abstr.) (Fre)
[OKT-8+ suppressor T-lymphocytes are increased in patients with stable multiple myeloma] Ludwig C, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1451–4 (Eng. Abstr.) (Ger)
[Defects in immunoregulatory circuits activated by concanavalin A in patients with Behçet's disease] Takada S, et al. **Arerugi** 1983 Jul;32(7):393–8 (Eng. Abstr.) (Jpn)
[Analysis of concanavalin A-induced suppressor and helper cells by autologous erythrocyte rosette formation and monoclonal antibody methods] Takada S, et al. **Arerugi** 1983 Apr;32(4):213–20 (Eng. Abstr.) (Jpn)
[Suppression of IgE antibody production provoked by intravenous injection of antigen-pulsed heterogenetic spleen cells—a study on genetic regulation in induction of immediate tolerance and suppressor cells] Yagi S. **Arerugi** 1983 Apr;32(4):199–208 (Eng. Abstr.) (Jpn)
[Culture of TCGF-dependent immunosuppressor T cells in gastric cancer patients and phenotypic characterization of the cell surface, using monoclonal antibodies and a fluorescence-activated cell sorter (FACS)] Koyama S, et al. **Gan No Rinsho** 1984 Jul;30(8):912–24 (Eng. Abstr.) (Jpn)
[Significance of human Tr cell in gastric cancer —with special reference to suppressor cell activity] Itagaki E, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):123–9 (Eng. Abstr.) (Jpn)
[Influence of anesthesia on immune system—studies on the fluctuation of lymphocyte subpopulations] Tokutomi Y, et al. **Masui** 1983 Dec;32(12):1523–8 (Eng. Abstr.) (Jpn)
[Influence of the surgical stress on graft-versus-host reaction in mice—the suppressor activity to GVH reaction induced by the surgical operation] Kojima K, et al. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):1–7 (Eng. Abstr.) (Jpn)
[Analysis of suppressor cell activities in spleen cells from gastric cancer patients and the effect of splenectomy on prognosis of gastric cancer] Toge T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):961–4 (Eng. Abstr.) (Jpn)
[Lymphocyte function in patients with plane warts—lymphocyte transformation and ConA–induced suppressor cell activity] Hayashi R. **Nippon Hifuka Gakkai Zasshi** 1983 Nov;93(12):1311–7 (Jpn)
[Immune response to egg white lysozyme (HEL). I. characteristics of suppressor T cells related to HEL-specific T cell proliferative responses] Nagatani T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Sep; 93(10):1059–67 (Jpn)
[Immune response to hen egg-white lysozyme (HEL). II. Characteristics of T cell hybridoma-derived suppressor factor] Nagatani T. **Nippon Hifuka Gakkai Zasshi** 1983 Oct; 93(11):1207–17 (Jpn)
[Cell mediated immunity in primary renal diseases: Concanavalin A induced suppressor T cell function and autologous mixed lymphocyte reaction] Fujii Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1325–33 (Eng. Abstr.) (Jpn)
[Suppressor mechanism in tumor immunology: characteristics of suppressor T-cells in glioma-bearing mice] Yamasaki T, et al. **No To Shinkei** 1983 Jul;35(7):703–9 (Eng. Abstr.) (Jpn)
[A case of acute T lymphoblastic leukemia with suppressor function] Takeichi N, et al. **Rinsho Ketsueki** 1984 Apr; 25(4):561–7 (Eng. Abstr.) (Jpn)
[Induction of T-suppressors of delayed-type hypersensitivity with a background of T-effector formation] Chernousov AD, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):62–5 (Eng. Abstr.) (Rus)
[Immunoregulator cells of a nonlymphoid nature—Er-suppressors] Kozlov VA, et al. **Dokl Akad Nauk SSSR** 1984 Mar-Apr;275(1):247–9 (Rus)
[Human bone marrow suppressor cells] Petrov RV, et al. **Dokl Akad Nauk SSSR** 1984 Jan-Feb;274(1):207–10 (Rus)
[Micromethod of determining the activity of suppressor cells and lymphocyte blast transformation based on glucose consumption by mitogen-activated blasts] Gordienko SM. **Lab Delo** 1984;(4):195–9 (Rus)
[Role of suppressor cells in the regulation of production of the macrophage migration inhibitory factor in mice with opposite reaction to tuberculin and Candida albicans antigens] Vorob'ev KV, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):49–52 (Eng. Abstr.) (Rus)
[The regulatory link in the immune system in glomerulonephritis in children] Chebotareva VD, et al. **Pediatriia** 1984 Jun;(6):26–9 (Eng. Abstr.) (Rus)
[Functional activity of blood immunoregulator cells in chronic nonspecific lung diseases] Ziborov IuI, et al. **Ter Arkh** 1984;56(3):74–8 (Eng. Abstr.) (Rus)
[Activity of suppressor lymphocytes in relation to autologous and allogenic target cells in children with neurodermatitis] Zverykova FA, et al. **Vestn Dermatol Venerol** 1983 Oct; (10):8–11 (Eng. Abstr.) (Rus)
[Lymphocyte subpopulations in malignant growths] Kadagidze ZG. **Vopr Onkol** 1984;30(1):90–7 (60 ref.) (Rus)
[Role of virus-induced cytotoxic autoreactive T-lymphocytes and T-suppressors in the pathogenesis of an experimental infection in mice cause by the Langat virus] Khozinskiĭ VV, et al. **Vopr Virusol** 1984 May-Jun; 29(3):350–5 (Eng. Abstr.) (Rus)
[T-suppressors in experimental adjuvant arthritis and immunosuppression] Madzhidov UV. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):65–8 (Eng. Abstr.) (Rus)
[Suppressor T-lymphocytes in continuously progressive juvenile schizophrenia] Maznina TP, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1065–9 (Eng. Abstr.) (Rus)
[Is late-appearing idiopathic hypogammaglobulinemia a suppressor T lymphocyte disease?] Estruch R, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):58–60 (Eng. Abstr.) (Spa)

PATHOLOGY

Death due to splenic rupture in suppressor cell mycosis fungoides: a case report. Bennett SR, et al. **Am J Clin Pathol** 1984 Jul;82(1):104–9
Dual immunofluorescent analysis of human peripheral blood lymphocytes. Thornthwaite JT, et al. **Am J Clin Pathol** 1984 Jul;82(1):48–56
Increased ratio of helper to suppressor T cells in alopecia areata. Majewski BB, et al. **Br J Dermatol** 1984 Feb; 110(2):171–5
Imbalance of helper and suppressor T lymphocytes in malignant non-Hodgkin lymphomas: an in situ morphometric analysis. Gattringer C, et al. **Int J Cancer** 1984 Jun 15;33(6):751–7

PHYSIOLOGY

Participation of granulocytes in in vitro regulation of suppressor cell activity. Czernicki J. **Acta Physiol Pol** 1983 Jan-Feb;34(1):99–109
Suppressor T-lymphocytes in pregnancy. Vanderbeeken Y, et al. **Am J Reprod Immunol** 1984 Jan-Feb;5(1):20–4
Histamine-induced suppressor macrophage inhibits fibroblast growth and wound healing. Kenyon AJ, et al. **Am J Vet Res** 1983 Nov;44(11):2164–6
Suppressor T cell function in patients with rheumatoid arthritis complicated by vasculitis. Abe T, et al.

Arthritis Rheum 1984 Jul;27(7):752–9
'Helper' and 'suppressor' T lymphocytes regulating blood cell formation in man. Barr RD. Biomed Pharmacother 1983;37(3):107–12 (126 ref.)
Histamine–induced suppressor–cell activity. Beer DJ, et al. J Allergy Clin Immunol 1984 Apr;73(4):439–52 (75 ref.)
Suppressor cells in the human maternal–fetal relationship. Stankova J, et al. J Reprod Immunol 1984 Jan;6(1):49–59

RADIATION EFFECTS

Suppression of pokeweed mitogen–stimulated immunoglobulin production in patients with rheumatoid arthritis after treatment with total lymphoid irradiation. Kotzin BL, et al. J Immunol 1984 Feb;132(2):1049–55
Modulation of T cell differentiation, antigen expression, and radiosensitivity of suppressor cells during late phases of graft–versus–host reactivity. Hurtenbach U, et al. Transplantation 1984 Sep;38(3):256–62

SUPPRESSOR MUTATION see SUPPRESSION, GENETIC

SUPPURATION

COMPLICATIONS

Hyperkeratosis, periodontosis, and chronic pyogenic infections in a 15–year–old boy. Part One. Shams El Din A, et al. Ann Allergy 1984 Jul;53(1):11–4
Hyperkeratosis, periodontosis, and chronic pyogenic infections in a 15–year–old boy. Part Two. Shams El Din A, et al. Ann Allergy 1984 Jul;53(1):55–6

ETIOLOGY

The search for pus. Polk HC, et al. Br J Hosp Med 1983 Sep;30(3):199, 201–2 (25 ref.)

METABOLISM

Rifampicin in collections of pus—a kinetic study in human abscesses. Suter F, et al. J Antimicrob Chemother 1984 Jun; 13 Suppl C:43–7

MICROBIOLOGY

Klebocin types in urinary and purulent fluid isolates of Klebsiella pneumoniae. Kaur I, et al. Indian J Med Res 1983 May;77:599–601
R–plasmids in Klebsiella pneumoniae isolated from urine and purulent fluids. Kaur I, et al. Indian J Med Res 1983 May; 77:594–8
[Pathogenic role of Actinomyces apart from actinomycosis. Apropos of 2 cases of acute suppurations with Actinomyces odontolyticus] Peloux Y, et al. Sem Hop Paris 1983 Dec 1;59(44):3063–4 (Eng. Abstr.) (Fre)

PATHOLOGY

[Spontaneous restoration of the patency of the parotid duct after its complete rupture due to a suppurative wound] Kolesnik GA. Stomatologiia (Mosk) 1983 Sep–Oct; 62(5):78–9 (Rus)

SURGERY

[Current methods of treating complicated forms of suppurative infections of the hand] Liubinetskil AL, et al. Klin Khir 1984 Jan;(1):4–7 (Eng. Abstr.) (Rus)

THERAPY

[Experimento–clinical basis for using papain in purulent surgery] Udod VM, et al. Vestn Khir 1984 Jun;132(6):48–51 (Eng. Abstr.) (Rus)

SUPRACHIASMATIC NUCLEUS

ANALYSIS

Circadian rhythm of adenosine–3',5'–monophosphate content in suprachiasmatic nucleus (SCN) and ventromedial hypothalamus (VMH) in the rat. Murakami N, et al. Brain Res 1983 Oct 16;276(2):297–304
Identification of serotonin– and vasopressin immunoreactivities in the suprachiasmatic nucleus of four mammalian species. Ueda S, et al. Cell Tissue Res 1983; 234(2):237–48

ANATOMY & HISTOLOGY

[Extrahypothalamic efferent pathways of the suprachiasmatic nucleus in the rat] Bons N, et al. C R Seances Acad Sci [III] 1983;297(6):347–50 (Eng. Abstr.) (Fre)

CYTOLOGY

Identical immunoreactivity of afferents to the rat suprachiasmatic nucleus with antisera against avian pancreatic polypeptide, molluscan cardioexcitatory peptide and neuropeptide Y. Moore RY, et al. Cell Tissue Res 1984; 236(1):41–6
Numbers of neurons and astroglial cells in the suprachiasmatic nucleus of male and female rats. Güldner FH. Exp Brain Res 1983;50(2–3):373–6

DRUG EFFECTS

Suprachiasmatic neurons in tissue slices from ovariectomized rats: electrophysiological and neuropharmacological characterization and the effects of estrogen treatment. Kow LM, et al. Brain Res 1984 Apr 16;297(2):275–86
Prolactin and LH release induced by kainic acid administration within the preoptic–suprachiasmatic region in behaving male rats. Colombo JA, et al. Exp Brain Res 1983;52(2):257–60
Suppression of the lordosis reflex in female rats by chronic central melatonin implants. de Catanzaro D, et al. Horm Behav 1984 Jun;18(2):216–23
Effect of amino acids and monoamines on the neuronal activity of suprachiasmatic nucleus in hypothalamic slice preparations. Shibata S, et al. Jpn J Pharmacol 1983 Dec; 33(6):1225–31
Inhibitory and excitatory effects of histamine on suprachiasmatic neurons in rat hypothalamic slice preparation. Liou SY, et al. Neurosci Lett 1983 Oct 31; 41(1–2):109–13
Different effects of amino acids, acetylcholine and monoamines on neuronal activity of suprachiasmatic nucleus in rat pups and adults. Shibata S, et al. Neurosci Lett 1983 Aug 29;39(2):187–92
Avian pancreatic polypeptide phase shifts hamster circadian rhythms when microinjected into the suprachiasmatic region. Albers HE, et al. Science 1984 Feb 24; 223(4638):833–5

METABOLISM

Voltammetric measurements of 5–hydroxyindole compounds in the suprachiasmatic nuclei: circadian fluctuations. Faradji H, et al. Brain Res 1983 Nov 21;279(1–2):111–9
Aromatic L–amino acid decarboxylase in the rat brain: coexistence with vasopressin in small neurons of the suprachiasmatic nucleus. Jaeger CB, et al. Brain Res 1983 Oct 16;276(2):362–6
Effects of gonadal steroids on the in vivo binding of [125I]alpha–bungarotoxin to the suprachiasmatic nucleus. Miller MM, et al. Brain Res 1984 Jan 2;290(1):67–75
In vivo metabolic activity of the suprachiasmatic nuclei: a comparative study. Schwartz WJ, et al. Brain Res 1983 Sep 5;274(1):184–7
Human brain contains vasopressin and vasoactive intestinal polypeptide neuronal subpopulations in the suprachiasmatic region. Stopa EG, et al. Brain Res 1984 Apr 9; 297(1):159–63
The fine structures of the VIP–like immunoreactive neurons in the cat hypothalamus. Obata–Tsuto HL, et al. Brain Res Bull 1984 Mar;12(3):315–21
The suprachiasmatic nuclei of the fetal rat: characterization of a functional circadian clock using 14C–labeled deoxyglucose. Reppert SM, et al. J Neurosci 1984 Jul; 4(7):1677–82
Serotoninergic endings on VIP–neurons in the suprachiasmatic nucleus and on ACTH–neurons in the arcuate nucleus of the rat hypothalamus. A combination of high resolution autoradiography and electron microscopic immunocytochemistry. Kiss J, et al. Neurosci Lett 1984 Feb 10;44(2):119–24
Functional activity of the suprachiasmatic nuclei in the fetal primate. Reppert SM, et al. Neurosci Lett 1984 May 4; 46(2):145–9
Effect of vasoactive intestinal peptide on serotonin release in the suprachiasmatic area of the rat. Modulation by oestradiol. Hery M, et al. Peptides (Fayetteville) 1984 Mar–Apr;5(2):313–7

PHYSIOLOGY

Periventricular and suprachiasmatic lesion effects on photoperiodic responses of the hamster hypophyseal–gonadal axis. Eskes GA, et al. Biol Reprod 1984 Jun;30(5):1073–81
Role of the suprachiasmatic nuclei in the circadian timing system of the squirrel monkey. II. Light–dark cycle entrainment. Albers HE, et al. Brain Res 1984 May 23; 300(2):285–93
Role of the suprachiasmatic nuclei in the circadian timing system of the squirrel monkey. I. The generation of rhythmicity. Albers HE, et al. Brain Res 1984 May 23; 300(2):275–84
Neural control of the daily rhythm of sexual behavior in the male golden hamster. Eskes GA. Brain Res 1984 Feb 13;293(1):127–41
Light responsiveness of the suprachiasmatic nucleus within the island with the retino–hypothalamic tract spared. Inouye ST. Brain Res 1984 Mar 5;294(2):263–8
Excitatory effects of the suprachiasmatic nucleus on the ventromedial nucleus in the rat hypothalamic slice. Kita H, et al. Brain Res 1982 Mar 4;235(1):137–41
The circadian rhythm of oxytocin in primate cerebrospinal fluid: effects of destruction of the suprachiasmatic nuclei. Reppert SM, et al. Brain Res 1984 Jul 30;307(1–2):384–7
Electrophysiological studies of the development of suprachiasmatic neuronal activity in hypothalamic slice preparations. Shibata S, et al. Brain Res 1984 Mar; 315(1):29–35
Influence of environmental light–dark cycle and enucleation on activity of suprachiasmatic neurons in slice preparations. Shibata S, et al. Brain Res 1984 Jun 4;302(1):75–81
Responses of suprachiasmatic nucleus neurons to optic nerve stimulation in rat hypothalamic slice preparation. Shibata S, et al. Brain Res 1984 Jun 4;302(1):83–9
Additional evidence that the suprachiasmatic nucleus is the center for regulation of insulin secretion and glucose homeostasis. Yamamoto H, et al. Brain Res 1984 Jun 25; 304(2):237–41
Field potentials in the suprachiasmatic nucleus of rat hypothalamic slice produced by optic nerve stimulation. Shibata S, et al. Brain Res Bull 1984 Apr;12(4):377–9
Suprachiasmatic nucleus: numbers of synaptic appositions and various types of synapses. A morphometric study on male and female rats. Güldner FH. Cell Tissue Res 1984; 235(2):449–52
Development of the circadian rhythm of neuronal activity in suprachiasmatic nucleus of rat hypothalamic slices. Shibata S, et al. Neurosci Lett 1983 Dec 30;43(2–3):231–4
The effect of sleep deprivation on sleep in rats with suprachiasmatic lesions. Tobler I, et al. Neurosci Lett 1983 Nov 21;42(1):49–54
Biorhythm of arginine– vasopressin in the paraventricular, supraoptic and suprachiasmatic nuclei of rats. Noto T, et al. Peptides (Fayetteville) 1983 Nov–Dec;4(6):875–8
Suprachiasmatic nuclei lesions eliminate circadian temperature and sleep rhythms in the rat. Eastman CI, et al. Physiol Behav 1984 Mar;32(3):357–68
Auditory entrainment of primate drinking rhythms following partial suprachiasmatic nuclei lesions. Fuller CA, et al. Physiol Behav 1983 Oct;31(4):573–6
Effects of restricted feeding on single neuron activity of suprachiasmatic neurons in rat hypothalamic slice preparation. Shibata S, et al. Physiol Behav 1983 Oct; 31(4):523–8
Recovery sleep following sleep deprivation in intact and suprachiasmatic nuclei–lesioned rats. Mistlberger RE, et al. Sleep 1983;6(3):217–33

SUPRAOPTIC NUCLEUS

ANALYSIS

Isolation and NH2–terminal sequence of a highly conserved human and porcine pituitary protein belonging to a new superfamily. Immunocytochemical localization in pars distalis and pars nervosa of the pituitary and in the supraoptic nucleus of the hypothalamus. Seidah NG, et al. Arch Biochem Biophys 1983 Sep;225(2):525–34

ANATOMY & HISTOLOGY

The effects of transverse cuts caudal to the preoptic recess on the hypothalamo–neurohypophyseal neurosecretory system. Carithers J, et al. Brain Res 1984 Jul 9; 305(2):247–57
Direct pathway from neurons in the ventrolateral medulla relaying cardiovascular afferent information to the supraoptic nucleus in the cat. Ciriello J, et al. Brain Res 1984 Feb 6;292(2):221–8
The distribution and cells of origin of serotonergic inputs to the paraventricular and supraoptic nuclei of the rat. Sawchenko PE, et al. Brain Res 1983 Oct 31;277(2):355–60
Regeneration of central catecholamine fibers in young and aged rat brain. Phelps CJ, et al. Brain Res Bull 1983 Dec; 11(6):735–40
Axon collaterals of supraoptic neurones: anatomical and electrophysiological evidence for their existence in the lateral hypothalamus. Mason WT, et al. Neuroscience 1984 Jan;11(1):169–82

BLOOD SUPPLY

[Features of microcirculation in the neurosecretory nuclei of the human hypothalamus in sudden cardiac death] Bogdanovich NK. Zh Nevropatol Psikhiatr 1984; 84(5):708–11 (Eng. Abstr.) (Rus)
[Arterial blood supply of the supraoptic nucleus in the golden hamster] Gudović R, et al. Med Pregl 1983;36(7–8):315–7 (Eng. Abstr.) (Scr)

CYTOLOGY

Synaptic activation of phasic bursting in rat supraoptic nucleus neurones recorded in hypothalamic slices. Hatton GI, et al. J Physiol (Lond) 1983 Dec;345:297–317
[Karyovolumetric reactions of large cell neurosecretory nuclear regions, supraoptic nucleus and paraventricular nucleus, in swine and calves and their possible relation to sexual function] Brauer E. Arch Exp Veterinarmed 1984 Jan;38(1):115–9 (Eng. Abstr.) (Ger)
[Characteristics of osmotic sensitivity of cells of the supraoptic nucleus of the rat hypothalamus] Lutsik EA, et al. Fiziol Zh SSSR 1984 Apr;70(4):385–91 (Eng. Abstr.) (Rus)
[Effect of hydrocortisone on metabolism in the cells of the supraoptic nucleus in paradoxical sleep deprivation] Panov AN, et al. Fiziol Zh SSSR 1983 Oct;69(10):1357–61 (Rus)

DRUG EFFECTS

Effects of morphine and D–Ala, D–Leu enkephalin on the electrical activity of supraoptic neurosecretory cells in vitro. Wakerley JB, et al. Neuroscience 1983 Sep; 10(1):73–81
[Reactions of dedifferentiated cells of the supraoptic nucleus of the hypothalamus to cholinergic stimulation in tissue

culture] Prutskov VI, et al. **Nerv Syst** 1983;24:22–6 (17 ref.) **(Rus)**

ENZYMOLOGY

Increased concentrations of immunoreactive cathepsin D in supraoptic nucleus of the Brattleboro rat. Whitaker JN, et al. **Brain Res** 1983 Oct 24;277(1):181–5

GROWTH & DEVELOPMENT

Development of the catecholamine innervation of the supraoptic nucleus in the Brattleboro rat. Sladek JR Jr, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:151–5

METABOLISM

Analysis of the neurohypophyseal components accumulating in the supraoptic nucleus of the rat after injection of colchicine. Birkett SD, et al. **Arch Biochem Biophys** 1983 Sep;225(2):430–5

The distribution and cells of origin of ACTH(1–39)–stained varicosities in the paraventricular and supraoptic nuclei. Sawchenko PE, et al. **Brain Res** 1982 Jan 28;232(2):365–74

Characterization of the 'giant precursors' (70–80K) of vasopressin and oxytocin in the rat hypothalamus. Moore GJ, et al. **Prog Brain Res** 1983;60:253–6

PHYSIOLOGY

Electrophysiological identification of neurons in ventrolateral medulla sending collateral axons to paraventricular and supraoptic nuclei in the cat. Caverson MM, et al. **Brain Res** 1984 Jul 9;305(2):375–9

Electrophysiological evidence that noradrenergic afferents selectively facilitate the activity of supraoptic vasopressin neurons. Day TA, et al. **Brain Res** 1984 Jun 15; 303(2):233–40

Alpha-adrenergic activation of rat hypothalamic supraoptic neurons maintained in vitro. Randle JC, et al. **Brain Res** 1984 Jul 30;307(1–2):374–8

Subfornical organ—supraoptic nucleus connections: an electrophysiologic study in the rat. Sgro S, et al. **Brain Res** 1984 Jun 11;303(1):7–13

Possible projections from regions of paraventricular and supraoptic nuclei to the spinal cord: electrophysiological studies. Yamashita H, et al. **Brain Res** 1984 Apr 2; 296(2):373–8

Mapping of cholinergic neurons associated with rat supraoptic nucleus: combined immunocytochemical and histochemical identification. Mason WT, et al. **Brain Res Bull** 1983 Nov;11(5):617–26

Immunocytochemistry and ultrastructure of the neuropil located ventral to the rat supraoptic nucleus. Yulis CR, et al. **Cell Tissue Res** 1984;236(1):171–80

Altered baroreceptor inputs to the supraoptic nucleus of the Brattleboro rat. Leng G, et al. **Exp Brain Res** 1984; 54(3):571–4

Complex action potential waveform recorded from supraoptic and paraventricular neurones of the rat: evidence for sodium and calcium spike components at different membrane sites. Mason WT, et al. **Exp Brain Res** 1984;56(1):135–43

Supraoptic neurosecretory cells: synaptic inputs from the nucleus accumbens in the rat. Shibuki K. **Exp Brain Res** 1984;53(2):341–8

Correlations between the firing of supraoptic neurones in slices of rat brain. Thomson AM. **Exp Brain Res** 1984; 54(2):217–24

Analysis of intracellularly recorded phasic bursting by mammalian neuroendocrine cells. Andrew RD, et al. **J Neurophysiol** 1984 Mar;51(3):552–66

Activity patterns and osmosensitivity of rat supraoptic neurones in perfused hypothalamic explants. Bourque CW, et al. **J Physiol (Lond)** 1984 Apr;349:631–42

Effect of cooling on supraoptic neurohypophysial neuronal activity and on urine flow in the rat. Ferguson AV, et al. **J Physiol (Lond)** 1984 Jul;352:103–12

The effect of lipofuscin on cellular function. Davies I, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):347–56

Role of the supraoptic nucleus of the hypothalamus in the regulation of the estrous function in rats under conditions of local hypothermia. Avetisyan AM, et al. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):497–500

Extrinsic control of phasic supraoptic neurones in vitro: burst initiation and termination following brief changes in excitatory drive. Wakerley JB, et al. **Neurosci Lett** 1983 Dec 11;42(3):329–34

Supraoptic neurons sustain high frequency firing when extracellular Ca2+ is replaced with other divalent cations in rat brain slices. Thomson AM. **Neuroscience** 1984 Jun; 12(2):495–502

Biorhythm of arginine- vasopressin in the paraventricular, supraoptic and suprachiasmatic nuclei of rats. Noto T, et al. **Peptides (Fayetteville)** 1983 Nov–Dec;4(6):875–8

In vitro and in vivo studies on development and regeneration of vasopressin neurons. Scharoun SL, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:157–67

The afferent pathway for carotid body chemoreceptor input to the hypothalamic supraoptic nucleus in the rat. Harris MC, et al. **Pflugers Arch** 1984 Jan;400(1):80–7

Possible control by oxytocin of periodical and synchronous neurosecretory bursts of oxytocin cells. Freund-Mercier MJ, et al. **Prog Brain Res** 1983;60:197–201

Organization of neural inputs to the supraoptic and paraventricular nuclei: anatomical aspects. Morris JF. **Prog Brain Res** 1983;60:3–18 (95 ref.)

The organization and biochemical specificity of afferent projections to the paraventricular and supraoptic nuclei. Sawchenko PE, et al. **Prog Brain Res** 1983;60:19–29

Regulation of vasopressin release by neurotransmitters, neuropeptides and osmotic stimuli. Sladek CD. **Prog Brain Res** 1983;60:71–90 (191 ref.)

In vitro studies of the control of phasic discharge in neurosecretory cells of the supraoptic nucleus. Wakerley JB, et al. **Prog Brain Res** 1983;60:53–9

Role of neurones in the supraoptic and paraventricular nuclei in cardiovascular control. Yamashita H, et al. **Prog Brain Res** 1983;60:459–68

Recurrent inhibition: a recurring misinterpretation [letter] Leng G, et al. **Q J Exp Physiol** 1984 Apr;69(2):393–5

[Participation of the hypothalamus and supraoptic–hypophyseal neurosecretory system in regulation of gastric secretion stimulated by insulin] Kosenko AF, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):543–8 (Eng. Abstr.) **(Rus)**

[Effect of hypothalamus stimulation on blood levels of various trace elements and coupled metalloenzymes] Voroshilovskaia SP. **Fiziol Zh** 1983 Jul–Aug;29(4):461–4 **(Rus)**

[Projections of the visceral and somatic afferent systems to identified neurons of the supraoptic nucleus] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):279–83 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Reaction of the supraoptic and paraventricular hypothalamic nuclei to cooling in rats in an altered gaseous environment] Sergeeva ES, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1238–43 **(Rus)**

SECRETION

Release of oxytocin and vasopressin by magnocellular nuclei in vitro: specific facilitatory effect of oxytocin on its own release. Moos F, et al. **J Endocrinol** 1984 Jul;102(1):63–72

[Neurosecretory function of the hypothalamus after Cynkotox poisoning] Pietrzak M, et al. **Endokrynol Pol** 1983;34(4):275–87 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

A procedure for small-volume brain grafting; vasopressin cells in neonatal and adult Brattleboro rats. Boer GJ, et al. **J Neurosci Methods** 1984 May;11(1):39–45

ULTRASTRUCTURE

The effect of cerebral ischemia on the ultrastructure of the hypothalamo-neurohypophysial system of the mongolian gerbil. The supraoptic and paraventricular nuclei. Loesch A. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):545–56

Terminal degeneration in supraoptic nucleus following subfornical organ lesions: ultrastructural observations in the rat. Renaud LP, et al. **Brain Res** 1983 Sep 26;275(2):365–8

Evidence that oxytocin-secreting neurones are involved in the ultrastructural reorganisation of the rat supraoptic nucleus apparent at lactation. Theodosis DT, et al. **Cell Tissue Res** 1984;235(1):217–9

Evidence for structural plasticity in the supraoptic nucleus of the rat hypothalamus in relation to gestation and lactation. Theodosis DT, et al. **Neuroscience** 1984 Jan; 11(1):183–93

[Emission of 2 axons by magnocellular neurons of the rat hypothalamus in culture] Dreifuss JJ, et al. **J Physiol (Paris)** 1982;78(6):509–13 (Eng. Abstr.) **(Fre)**

[Zinc-iodo-osmium-impregnated synaptic vesicles in neuropils of the supraoptic nucleus and paraventricular nucleus of water-deprived rats] Loesch A. **Neuropatol Pol** 1984;22(1):39–62 (Eng. Abstr.) **(Pol)**

SUPRASELLAR CYST see **CRANIOPHARYNGIOMA**

SUPROFEN see under **PHENYLPROPIONATES**

SURAL NERVE see under **SPINAL NERVES**

SURAMIN

Suramin-induced storage disease. Mucopolysaccharidosis. Constantopoulos G, et al. **Am J Pathol** 1983 Nov; 113(2):266–8

IMMUNOLOGY

[Effect of antitoxic serotherapy in animals immunostimulated with suramin] Solomonova K, et al. **Acta Microbiol Bulg** 1983;13:16–9 (Eng. Abstr.) **(Bul)**

[Immunological status of onchocerciasis patients and its changes during diethylcarbamazine and suramin treatment (a review of the literature)] Ovusu A. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):81–7 (77 ref.) **(Rus)**

PHARMACODYNAMICS

The inhibition of yellow fever virus multiplication by suramin: a preliminary note. Croon JJ, et al. **Acta Leiden** 1980 Dec;48:5–8

Effect of suramin on pinocytosis by resident rat peritoneal macrophages: an analysis using four different substrates. Pratten MK, et al. **Chem Biol Interact** 1983 Oct 15; 47(1):79–86

Response of the rat's hepatic drug-metabolizing enzyme system to chemotherapy of Trypanosoma b. brucei infections with Berenil and Suramin. Emerole GO, et al. **Enzyme** 1984;31(3):129–36

The mode of action of suramin on the filarial worm Brugia pahangi. Howells RE, et al. **Parasitology** 1983 Aug;87 (Pt 1):29–48

Suramin sensitivity of stocks of Trypanosoma evansi isolated in the Sudan. Abebe G, et al. **Trop Anim Health Prod** 1983 Aug;15(3):151–2

[Serum levels of IgG and IgA in rabbits immunostimulated with naganol and isoprinosine] Stoev K, et al. **Acta Microbiol Bulg** 1984;14:116–9 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

Treatment with suramin and 2-substituted 5-nitroimidazoles of chronic murine Trypanosoma brucei infections with central nervous system involvement. Jennings FW, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):693–8

[Treatment of onchocerciasis with low, increasing doses of suramin in hyperendemic communities of Western Africa: 2. Clinical parasitologic and ophthalmologic results in a zone where transmission is controlled] Rougemont A, et al. **Bull WHO** 1984;62(2):261–9 (Eng. Abstr.) **(Fre)**

SURFACE-ACTIVE AGENTS

see related

PULMONARY SURFACTANT

The effect of domestic detergents on the population dynamics of the immature stages of two competitor mosquitoes, Culex cinereus Theobald and Culex quinquefasciatus Say (Diptera, Culicidae) in Kenya. Subra R, et al. **Acta Trop (Basel)** 1984 Mar;41(1):69–75

Prentice Medal lecture: contact lens wettability—myths, mysteries, and realities. Fatt I. **Am J Optom Physiol Opt** 1984 Jul;61(7):419–30

Fluorimetric determination of critical micelle concentration avoiding interference from detergent charge. Chattopadhyay A, et al. **Anal Biochem** 1984 Jun; 139(2):408–12

A method to measure critical detergent parameters. Preparation of liposomes. Lasch J, et al. **Anal Biochem** 1983 Sep;133(2):486–91

Use of benzyldimethyl-n-hexadecylammonium chloride ('16-BAC'), a cationic detergent, in an acidic polyacrylamide gel electrophoresis system to detect base labile protein methylation in intact cells. Macfarlane DE. **Anal Biochem** 1983 Jul 15;132(2):231–5

The use of a zwitterionic detergent in two-dimensional gel electrophoresis of trout liver microsomes. Perdew GH, et al. **Anal Biochem** 1983 Dec;135(2):453–5

Quantitation of human immunoglobulin G and albumin in electroimmunodiffusion gels containing ionic and nonionic detergents. Shapshak P, et al. **Anal Biochem** 1983 Jul 15; 132(2):305–11

Structure of a bacterial photosynthetic membrane: integrity of reaction centers following proteolysis and detergent solubilization. Jacob JS, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):164–71

Affinity purification of mycobacterial polymethyl polysaccharides and a study of polysaccharide-lipid interactions by 1H NMR. Hindsgaul O, et al. **Biochemistry** 1984 Jan 31;23(3):577–84

Phospholipid vesicle formation using nonionic detergents with low monomer solubility. Kinetic factors determine vesicle size and permeability. Ueno M, et al. **Biochemistry** 1984 Jun 19;23(13):3070–6

Reconstitution of a protein into lipid vesicles using natural detergents. Christiansen K, et al. **Biochim Biophys Acta** 1983 Nov 9;735(2):225–33

Multicentre comparative clinical evaluation of daily care solutions for rigid gas-permeable contact lenses. Stein HA, et al. **Can J Ophthalmol** 1984 Jun;19(4):169–72

Growth and survival of Serratia marcescens in hard contact lens wetting solutions. Ahearn DG, et al. **CLAO J** 1984 Apr–Jun;10(2):172–4

31P NMR as a tool for monitoring detergent solubilization of sarcoplasmic reticulum membranes. Roux M, et al. **FEBS Lett** 1984 Jun 11;171(2):169–72

Binding of cationic & anionic detergents to casein in presence and absence of milk fat. Sadhukhan BK, et al. **Indian J Biochem Biophys** 1983 Apr;20(2):66–73

Handwashing agents. Crow S. **Infect Control** 1983 Sep–Oct; 4(5):404

Failure of enzyme encapsulation to prevent sensitization of workers in the dry bleach industry. Liss GM, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):348–55

Detergent-induced solubilization of cytochrome c oxidase as detected in a novel reconstituted system. Madden TD, et al. **J Biol Chem** 1984 Jun 25;259(12):7655–8

Bovine viral diarrhea virus: purification of surface proteins in detergent-containing buffers by fast protein liquid chromatography. Kärsnäs P, et al. **J Chromatogr** 1983 Aug 26;266:643–9

Purification of detergent-extracted Sendai virus proteins by reversed-phase high-performance liquid chromatography. van der Zee R, et al. **J Chromatogr** 1983 Aug 26;266:577–84

Cholesterol solubility in mixed micellar solutions of ionic and non-ionic surfactants. Pal S, et al. **J Lipid Res** 1983 Oct; 24(10):1281-90

Improvement in conditions for solubilisation and characterisation of brain D2 dopamine receptors using various detergents. Wheatley M, et al. **J Neurochem** 1984 Oct;43(4):926-34

Phase studies of ethoxylated surfactants-oil-water-undecylenic acid. Bulut F, et al. **J Pharm Pharmacol** 1983 Aug;35(8):486-8

Evidence for the intrusion of polyoxyethylene into the hydrocarbon core of non-ionic surfactant micelles. Elworthy PH, et al. **J Pharm Pharmacol** 1984 Feb; 36(2):116-7

Solubility parameter and hydrophilic-lipophilic balance of nonionic surfactants. Schott H. **J Pharm Sci** 1984 Jun; 73(6):790-2

Effect of inorganic additives on solutions of nonionic surfactants VI: Further cloud point relations. Schott H, et al. **J Pharm Sci** 1984 Jun;73(6):793-9

Effect of inorganic additives on solutions of nonionic surfactants V: Emulsion stability. Schott H, et al. **J Pharm Sci** 1983 Dec;72(12):1427-36

'De-watering' capabilities of surfactants in human amniotic fluid. Hills BA. **J Physiol (Lond)** 1984 Mar;348:369-81

The effect of a microbicidal cleaner on the retentive strength of two cements. Richter WA, et al. **J Prosthet Dent** 1984 Jan;51(1):46-8

Bar soap and liquid soap [letter] Heinze JE. **JAMA** 1984 Jun 22-29;251(24):3222-3

Effect of different detergent systems on the molecular size of UDP glucuronosyltransferase and other microsomal drug-metabolizing enzymes. Mackenzie PI, et al. **Membr Biochem** 1984;5(3):193-207

Solubilization and immunoprecipitation of 125I-labelled antigens from Plasmodium knowlesi schizont-infected erythrocytes using non-ionic, anionic and zwitterionic detergents. Howard RJ, et al. **Parasitology** 1984 Feb;88 (Pt 1):27-36

Light driven transport of bilirubin through a bulk liquid membrane. Eichinger D, et al. **Photochem Photobiol** 1983 Aug;38(2):193-5

Ionic milieu and volume adjustments in detergent-extracted thymic nuclei. Kellermayer M, et al. **Physiol Chem Phys** 1983;15(4):345-54

Rust removal from surgical instruments [letter] Kasdan A, et al. **Plast Reconstr Surg** 1984 May;73(5):856-7

The effect of surfactants on the interaction of factor XII with surfaces. Silverberg M, et al. **Thromb Res** 1983 Jul 15;31(2):255-60

The hairless mouse as a model for quantitating skin deposition of 3,4,4'-trichlorocarbanilide in bar soap. Demetrulias J, et al. **Toxicol Lett** 1984 Aug;22(2):241-8

[Bacteriological study of hands and the use of soap in the hospital environment] Jacques L, et al. **Biomed Pharmacother** 1983;37(9-10):415-8 (Eng. Abstr.) **(Fre)**

[The formation of trihalomethanes precursor in anionic surfactant biodegradation] Kosaka M, et al. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):870-6 (Eng. Abstr.) **(Jpn)**

[Prevention of adsorption of insulin by containers] Asakawa N. **Yakugaku Zasshi** 1984 Mar;104(3):311-5 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Experiments in the combination of Haemo-Sol, a special detergent for laboratory glassware and surgical instruments, with instrument disinfectants--indications for medical practice] Mielke U, et al. **Z Gesamte Hyg** 1984 Jan;30(1):44-6 (Eng. Abstr.) **(Ger)**

[Use of surface active agents for prevention of experimental syphilis] Skuratovich AA, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):29-32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Matting of scalp hair due to shampooing: a hypothesis as to the cause. Dawber R. **Clin Exp Dermatol** 1984 Mar; 9(2):209-11

Skin irritancy of commercially available soap and detergent bars as measured by water vapour loss. van der Valk PG, et al. **Derm Beruf Umwelt** 1984;32(3):87-90

Dawn diarrhea. Harrison CA, et al. **Endoscopy** 1984 Jan; 16(1):33-4

Soap is the major cause of dysuria [letter] Ravnskov U. **Lancet** 1984 May 5;1(8384):1027-8

Do detergent residues damage the gut? [letter] Roe FJ. **Lancet** 1984 Sep 1;2(8401):525

[State of the skin of workers in the manufacture of synthetic detergents with a sulfanol base] Alekperov II, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):59-60 (Eng. Abstr.) **(Rus)**

ANALYSIS

Surfactants identified in synovial fluid and their ability to act as boundary lubricants. Hills BA, et al. **Ann Rheum Dis** 1984 Aug;43(4):641-8

IL6.b Analysis of cosmetics, cutting fluids and other products containing detergents, surfactants and amines. Spiegelhalder B, et al. **IARC Sci Publ** 1983;45:259-63

Gas chromatographic methods for determination of gamma-BHC in technical emulsifiable concentrates and water-dispersible powder formulations and in lindane shampoo and lotion: collaborative study. Miles JW, et al. **J Assoc Off Anal Chem** 1984 Jul-Aug;67(4):834-7

Contamination of toiletries and cosmetic products with volatile and nonvolatile N-nitroso carcinogens. Spiegelhalder B, et al. **J Cancer Res Clin Oncol** 1984; 108(1):160-3

Analysis of zinc pyrithione in shampoos by reversed-phase high-performance liquid chromatography. Cheng H, et al. **J Chromatogr** 1984 May 18;291:434-8

[Estimate of tetrachloroethylene exposure level during washing with a detergent containing tetrachloroethylene] Kojima S, et al. **Eisei Shikenjo Hokoku** 1983;(101):98-101 (Eng. Abstr.) **(Jpn)**

[Hygienic significance of surface-active agents in the environment] Voloshchenko OI, et al. **Gig Sanit** 1984 Jan; (1):53-5 **(Rus)**

[Characteristics of phospholipids of pharyngeal aspirates in newborn infants depending on the use of glucocorticoids in the prenatal period for the prevention of respiratory disorders] Kuptsov VA. **Pediatriia** 1984 Mar;(3):32-4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Extraction of detergents from hydrophobic proteins with isopentanol: application to electrophoretic analysis of photosynthetic bacterial hydrophobic proteins. Salcedo JR, et al. **Anal Biochem** 1983 Jul 15;132(2):324-7

METABOLISM

Effects of binding of amphipathic compounds to carrier proteins on their enzymic biotransformation by membrane-bound enzymes. Heirwegh KP. **Biochem Soc Trans** 1984 Feb;12(1):11-3

Aggregation of porcine pancreatic phospholipase A2 and Its zymogen induced by submicellar concentrations of negatively charged detergents. Hille JD, et al. **Biochemistry** 1983 Nov 8;22(23):5347-53

Unusual kinetic behavior of porcine pancreatic (pro)phospholipase A2 on negatively charged substrates at submicellar concentrations. Hille JD, et al. **Biochemistry** 1983 Nov 8;22(23):5353-8

Absorption and elimination of a branched-chain alkylpolyethoxylate surfactant in rats. Calvin G, et al. **Toxicol Lett** 1983 Sep;18(3):351-7

Elimination- and biodistribution studies of [14C]dodecylbenzene sulfonate in rats, following low dosing in the daily diet and a single i.p. administration. Lay JP, et al. **Toxicol Lett** 1983 Jun;17(1-2):187-92

[Microorganisms destroying a number of nonionogenic surface-active substances] Udod VM, et al. **Mikrobiologiia** 1983 May-Jun;52(3):370-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Detergent extraction from rat synaptosomal plasma membranes reveals difference in mu and delta opioid receptor binding. Grynne BH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):201-9

Studies on hydragogue drugs: light and electron microscopic examination of the isolated rat colonic mucosa exposed to deoxycholic acid and synthetic surfactants. Landsverk T, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):22-32

Pluronic L-81: a potent inhibitor of the transport of intestinal chylomicrons. Tso P, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G32-6

Effects of detergents on the activity of alpha 2-macroglobulin-protease complexes. Finlay TH, et al. **Ann NY Acad Sci** 1983;421:340-51

Detergent-induced distinctions between fluoride- and vanadate-stimulated adenylate cyclases and their responses to guanine nucleotides. Combest WL, et al. **Arch Biochem Biophys** 1983 Sep;225(2):916-27

Effects of detergents on the lecithin:cholesterol acyltransferase reaction. Park MC, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):290-8

Effect of intrabiliary administration of Triton X-100 on biliary excretory function in the rat. Sweeney EF, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2309-13

Dolichyl phosphate phosphatase in rat liver microsomes. Avoidance of the use of detergent in testing the effect of phospholipids on dolichyl phosphate phosphatase. Boscoboinik DO, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):41-8

Stabilization of dextransucrase from Leuconostoc mesenteroides NRRL B-512F by nonionic detergents, poly(ethylene glycol) and high-molecular-weight dextran. Miller AW, et al. **Biochim Biophys Acta** 1984 Mar 29; 785(3):89-96

Effect of synthetic detergents on some of the behavioral patterns of fish fingerlings (Cirrhina mrigala) and its relation to ecotoxicology. Lal H, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):109-15

On the interaction between synthetic detergents and enzymatic proteins. Treves C, et al. **Can J Biochem Cell Biol** 1984 Jan;62(1):55-9

Prevalence of extreme detergent resistance among the Enterobacteriaceae. Kramer VC, et al. **Can J Microbiol** 1984 May;30(5):711-3

The surface activity of PVP and other polymers and their antihemolytic capacity. Williams RJ. **Cryobiology** 1983 Oct; 20(5):521-6

Glucuronidation of propranolol by dog liver microsomes. Effects of enantiomeric inhibition and detergent treatment on stereoselectivity. Wilson BK, et al. **Drug Metab Dispos** 1984 Mar-Apr;12(2):161-4

Interaction of tubulin with non-denaturing amphiphiles. Andreu JM. **EMBO J** 1982;1(9):1105-10

Induction of proteolytic activity in serum by treatment with anionic detergents and organic solvents. Berger D, et al. **Experientia** 1983 Oct 15;39(10):1109-11

Binding of fibronectin to gelatin and heparin: effect of surface denaturation and detergents. Haas R, et al. **FEBS Lett** 1984 Sep 3;174(2):279-83

Temperature dependence of palmitoly-CoA synthetase of chicken liver microsomes: effect of Triton X-100 & lysophosphatidyl choline. Amur SG, et al. **Indian J Biochem Biophys** 1983 Jun;20(3):141-5

Interaction of cationic detergents, cetyl- and dodecyl-trimethylammonium bromides, with lysozyme. Subramanian M, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):413-21

Effect of a zwitterionic detergent on the state of aggregation and catalytic activity of cytochrome P-450LM2 and NADPH-cytochrome P-450 reductase. Wagner SL, et al. **J Biol Chem** 1984 Feb 25;259(4):2390-5

The detergent solubility properties of a malarial (Plasmodium knowlesi) variant antigen expressed on the surface of infected erythrocytes. Howard RJ, et al. **J Cell Biochem** 1984;24(3):297-306

Disruptive effects of tris and sodium lauroyl sarcosinate on the outer membrane of Pseudomonas cepacia shown by fluorescent probes. Anwar H, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2017-20

Assessment of the remanent antibacterial effect of a 2% triclosan-detergent preparation on the skin. Bartzokas CA, et al. **J Hyg (Lond)** 1983 Dec;91(3):521-8

Evaluation of disinfectants in the domestic environment under 'in use' conditions. Scott E, et al. **J Hyg (Lond)** 1984 Apr;92(2):193-203

The behavior of the solubilized receptor for immunoglobulin E in polyethylene glycol-detergent solutions: characterization and potential applications. Rivera J, et al. **J Immunol** 1984 Aug;133(2):863-71

Studies on the detergent inhibition of pancreatic lipase activity. Gargouri Y, et al. **J Lipid Res** 1983 Oct; 24(10):1336-42

Detergent effects on the phosphatidylinositol-specific phospholipase C in rat brain synaptosomes. Manning R, et al. **J Neurochem** 1983 Dec;41(6):1735-43

The effects of detergents on the composition of postsynaptic densities. Somerville RA, et al. **J Neurochem** 1984 Jul; 43(1):184-91

Interactions of ionic and non-ionic surfactants with plasma low density lipoprotein. Tucker IG, et al. **J Pharm Pharmacol** 1983 Nov;35(11):705-11

Percutaneous absorption of flufenamic acid in rabbits: effect of dimethyl sulfoxide and various nonionic surface-active agents. Hwang CC, et al. **J Pharm Sci** 1983 Aug; 72(8):857-60

Studies on spermicidal activity of surfactants. I. Correlation between spermicidal effect and physicochemical properties of p-menthanylphenyl polyoxyethylene (8.8) ether and related surfactants. Furuse K, et al. **J Pharmacobiodyn** 1983 Jun;6(6):359-72

Morphine-morphine glucuronide pools in the rat liver: effects of Triton X-100. Sweeney EF, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):19-27

The action of alcohols and other non-ionic surface active substances on the sodium current of the squid giant axon. Haydon DA, et al. **J Physiol (Lond)** 1983 Aug;341:411-27

Modulation of amino acid transport in preimplantation mouse embryos by low concentrations of non-ionic and zwitterionic detergents. Keefer CL, et al. **J Reprod Fertil** 1984 Mar;70(2):399-407

Inhibition of carp liver mitochondrial monoamine oxidase by some commonly-used detergents. Kinemuchi H, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1007-15

Binding, activation, and solubilization of the Ca2+-ATPase from sarcoplasmic reticulum by nonionic detergents. Dean WL, et al. **Membr Biochem** 1984;5(3):181-91

Effects of detergents on indirect assays for superoxide dismutase activity. Ljutakova SG. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):125-9

Effect of detergent solutions upon distal lung phospholipids. Tapu V, et al. **Morphol Embryol (Bucur)** 1983 Jul-Sep; 29(3):197-201

Effect of some selected salts and non-ionic surfactants on the antimicrobial activity of nalidixic acid. Gadalla MA, et al. **Pharmazie** 1983 Dec;38(12):858-9

The fate of oil and oil-dispersant mixtures in freshwater ponds. Nagy E, et al. **Sci Total Environ** 1984 Apr 19; 35(2):115-33

[Possibilities of using amphoteric surface agents in the campaign against the agents of schistosomiasis transmission] Combes C, et al. **Ann Parasitol Hum Comp** 1983;58(4):353-9 (Eng. Abstr.) **(Fre)**

[Action of various detergents in use in Cameroon on the vitality of Schistosoma mansoni cercariae: influence of the hardness factor of water] Mimpfoundi R, et al. **C R Soc Biol (Paris)** 1983;177(3):338-46 (Eng. Abstr.) **(Fre)**

[Comparison of 2 antiseptic soaps used for preoperative showers] Enjalbert L, et al. **Pathol Biol (Paris)** 1984 Jun; 32(5 Pt 2):604–6 (Eng. Abstr.) **(Fre)**

[Qualitative and quantitative analysis of the residual hand flora after hygienic-type washing with a soap and a foaming antiseptic solution] Greil JD, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):596–8 (Eng. Abstr.) **(Fre)**

[Effectiveness of 9 soaps and/or antiseptics on hand flora after surgical-type washing] Reverdy ME, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):591–5 (Eng. Abstr.) **(Fre)**

[Simple methods for the pretreatment of specimens for determining mycobacteria in culture] Kalich R, et al. **Z Gesamte Hyg** 1983 Jul;29(7):380–3 (Eng. Abstr.) **(Ger)**

[Surface-active properties of antibiotics] Maldanov VV, et al. **Antibiotiki** 1983 Sep;28(9):663–5 (Eng. Abstr.) **(Rus)**

[Non-ionogenic detergents in the study of cellular ultrastructure] Karaganov IaL, et al. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):5–27 **(Rus)**

[Sanitary control over the use of dispersants for the surface cleanup of oil films from reservoirs] Galiev MA, et al. **Gig Sanit** 1984 Jun;(6):64–6 **(Rus)**

[Probability approach to evaluating the complex (inhalational and percutaneous) action of sulfonol chloride on the body] Voloshchenko OI, et al. **Gig Sanit** 1983 Aug;(8):42–5 (8 ref.) **(Rus)**

[Thermostability of brain Na+, K+ -ATPase in the presence of surface-active agents] Kravtsova VV, et al. **Ukr Biokhim Zh** 1983 Jul–Aug;55(4):392–7 (Eng. Abstr.) **(Rus)**

[Effect of surface-active agents on agents of venereal diseases] Krivoshein IuS, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):30–3 (Eng. Abstr.) **(Rus)**

[Surface antigen structure of Neisseria meningitidis. I. The isolation of a serotypic antigenic complex of N. meningitidis strain B16B6 by direct detergent treatment and its immunochemical characteristics] Gorshkova VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):41–5 (Eng. Abstr.) **(Rus)**

POISONING

Pulmonary function of exposed and control workers in a Nigerian nonsoapy detergent factory. Oleru UG. **Arch Environ Health** 1984 Mar–Apr;39(2):101–6

Do detergent residues damage the gut? [editorial] **Lancet** 1984 Aug 18;2(8399):384

Dilute the poison—a case of fatal water intoxication. Sarvesvaran R. **Med Sci Law** 1984 Apr;24(2):92–4

STANDARDS

[Use of hand-washing pastes] Würbach G, et al. **Z Arztl Fortbild (Jena)** 1983;77(19):815–8 **(Ger)**

THERAPEUTIC USE

Aural barotrauma and surfactant. Hills BA. **Aviat Space Environ Med** 1983 Nov;54(11):1039

A comparison of pre-operative bathing with chlorhexidine-detergent and non-medicated soap in the prevention of wound infection. Ayliffe GA, et al. **J Hosp Infect** 1983 Sep;4(3):237–44

Artificial surfactant [letter] **Lancet** 1984 Apr 28;1(8383):954–6

[Modification of the development of experimental mouse tuberculosis by administration of a non-ionic detergent Triton WR-1339] Kondo E, et al. **Kekkaku** 1984 Apr; 59(4):295–302 (Eng. Abstr.) **(Jpn)**

[Treatment of purulent wounds with ethonium] Kavkalo DN. **Klin Khir** 1984 Jan;(1):47–9 (Eng. Abstr.) **(Rus)**

[Antibiotic interaction with surface-active substances (a review of the literature)] Gudz' OV, et al. **Vrach Delo** 1983 Nov;(11):103–8 (50 ref.) **(Rus)**

TOXICITY

Search for a nontoxic surgical scrub solution for periorbital lacerations. Bryant CA, et al. **Ann Emerg Med** 1984 May; 13(5):317–21

Is chronic detergent ingestion harmful to the gut? Mercurius-Taylor LA, et al. **Br J Ind Med** 1984 May; 41(2):279–81

Phytotoxicity of nonionic surfactants to sugarcane. Singh M, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):119–24

Influence of detergent washing powders on minimal eliciting patch test concentrations of nickel and chromium. Allenby CF, et al. **Contact Dermatitis** 1983 Nov;9(6):491–9

Toxicity of handcleaners. van Ketel WG, et al. **Dermatologica** 1984;168(2):94–9

Comparative studies on ecotoxicology of synthetic detergents. Lal H, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):538–45

45Ca uptake from water by snails (Lymnaea vulgaris) in control and detergent-polluted samples. Misra V, et al. **Ecotoxicol Environ Safety** 1984 Feb;8(1):97–9

Interactions of C12 surfactants with the skin: studies on enzyme release and percutaneous absorption in vitro. Gibson WT, et al. **Food Chem Toxicol** 1983 Oct;21(5):581–6

Interactions of C12 surfactants with the skin: changes in enzymes and visible and histological features of rat skin treated with sodium lauryl sulphate. Gibson WT, et al. **Food Chem Toxicol** 1983 Oct;21(5):587–94

Detergent-resistant Streptococcus faecium derivatives that display conditional penicillin lysis. Pucci MJ, et al. **J Bacteriol** 1984 Aug;159(2):805–7

Cell killing by lysosomotropic detergents. Miller DK, et al. **J Cell Biol** 1983 Dec;97(6):1841–51

Skin irritancy of surfactants as assessed by water vapor loss measurements. van der Valk PG, et al. **J Invest Dermatol** 1984 Mar;82(3):291–3

Surfactants selectively ablate enteric neurons of the rat jejunum. Fox DA, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):538–44

Study on subacute toxicity of intravenous sorbitan trioleate (STO) in Wistar rats. Yamamoto H, et al. **J Toxicol Sci** 1983 Nov;8(4):301–10

Dielectric studies on the reaction of the intracellular matter of fish red blood cells to detergent toxicity. Bielinska I, et al. **Phys Med Biol** 1984 May;29(5):525–34

Study of long term effects of oil and oil-dispersant mixtures on freshwater microbial populations in man made ponds. Dutka BJ, et al. **Sci Total Environ** 1984 Apr 19;35(2):135–48

The fate and impact of oil and oil-dispersant mixtures in freshwater pond ecosystems: introduction. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):105–13

Impact of oil and oil-dispersant mixtures on flora and water chemistry parameters in freshwater ponds. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):169–90

Impact of oil and oil-dispersant mixtures on the fauna of freshwater ponds. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):191–206

The impact of oil and oil-dispersant mixtures on fungi in freshwater ponds. Sherry JP. **Sci Total Environ** 1984 Apr 19;35(2):149–67

A novel approach to the search for in vitro alternatives to in vivo eye irritancy testing. Muir CK, et al. **Toxicol Lett** 1983 Aug;18(1-2):1–5

[Development of an objective test of ocular irritation in mice: value in galenic pharmacy and biopharmaceutics. 1. Surface-active agents] Etter JC, et al. **Pharm Acta Helv** 1984;59(1):8–15 (Eng. Abstr.) **(Fre)**

[Effect of oral administration of sodium dialkyl sulfosuccinate on pre- and post-natal development in mice] Momma J, et al. **Eisei Shikenjo Hokoku** 1983;(101):48–55 (Eng. Abstr.) **(Jpn)**

[Establishment of a hygienic norm for sodium alkylbenzene sulfonate in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1983 Jun;(6):81–2 **(Rus)**

[Hygienic characteristics of the formula composition of synthetic detergents and cleaning agents and their regulation] Rapoport KA, et al. **Gig Sanit** 1984 Jun;(6):23–5 (Eng. Abstr.) **(Rus)**

[Oxidation and reduction of glutathione in rat organs during the administration of ethonium] Meshchishen IF, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):571–3 (Eng. Abstr.) **(Rus)**

[Effect of body uptake of sulfonol chloride on the information value of hematological and biochemical indices] Voloshchenko OI, et al. **Vrach Delo** 1983 Nov;(11):101–3 (Eng. Abstr.) **(Rus)**

SURFACE ANTIGENS see ANTIGENS, SURFACE

SURFACE PROPERTIES

Radiographic demonstration of a liquid surface bounded by a partially wettable solid surface. Nilson AE. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):81–93

Surface chemical factors presaging bioadhesive events. Baier RE. **Ann NY Acad Sci** 1983;416:34–57

Nonspecific cell surface properties: contact angle of water on dried cell monolayers. Mege JL, et al. **Immunol Commun** 1984;13(3):211–27

Comparison of geometric and 'real' surface areas of cochlear electrodes. Rizer FM, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):417–20

Ultrasonic and jet aerosolization of phospholipids and the effects on surface activity. Marks LB, et al. **Pediatr Res** 1983 Sep;17(9):742–7

[Surface analysis of intramuscular bioglass ceramic implants using pro ton-induced x-ray emission] Dittmar A, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):103–8 (Eng. Abstr.) **(Ger)**

[Behavior of cultured cells on the surface of A12O3 ceramics of different consistencies] Neupert G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):109–15 (Eng. Abstr.) **(Ger)**

[Quantitative aspects of the agar micro-co[illegible] procedure for multiple copies of various materials occurring in hospitals] Mielke U, et al. **Z Gesamte Hyg** 1983 Jul;29(7):376–9 (Eng. Abstr.) **(Ger)**

[Thin film coating of solid substrates having complex surface structures by plasma-polymerized tetrafluoroethylene] Kitade T, et al. **Yakugaku Zasshi** 1983 Jul;103(7):719–25 (Eng. Abstr.) **(Jpn)**

SURFACE TENSION

A survey of surface hemorheological experiments on the inhibition of fibrinogenin formation employing surface layers of fibrinogen systems with heparins and other substances. A contribution on antithrombogenic action. Copley AL, et al. **Thromb Res** 1984 Aug 1;35(3):237–56 (55 ref.)

Determination of the surface tension of protein coated materials by means of the advancing solidification front technique. Absolom DR, et al. **Trans Am Soc Artif Intern Organs** 1983;29:146–51

SURFACTANT, PULMONARY see PULMONARY SURFACTANT

SURFACTANTS see SURFACE-ACTIVE AGENTS

SURGERY

Surgeons' and other consultees' responses to psychiatric recommendations [letter] Lichstein P. **Am J Psychiatry** 1984 Feb;141(2):323–4

A 'Swift' medical fantasy. Barker WF. **Am J Surg** 1984 Jul; 148(1):2–6

Lance and liability. An update. Hough JD. **Am J Surg** 1984 May;147(5):574–7

Surgical research—curiosity and luck: personal observations and prejudices. Calne RY. **Ann R Coll Surg Engl** 1984 May; 66(3):211–3

The skeptical chirurgeon. Goligher J. **Ann R Coll Surg Engl** 1984 May;66(3):207–10

Non-invasive imaging techniques in surgery. Khan O, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):127–34

Presidential address: Mr. Hunter builds his dream department. Cohn I Jr. **Ann Surg** 1984 May;199(5):491–501

Difficult physicians in the OR. Gatch G, et al. **AORN J** 1983 Sep;38(3):403–10

Nurse-physician committee eases tension in OR. Mailhot C, et al. **AORN J** 1983 Sep;38(3):411–5

The elective surgeon's reaction to change and conflict. Wright MR. **Arch Otolaryngol** 1984 May;110(5):318–22

Rural rotations for senior surgical residents. Influence on future practice location. Asher EF, et al. **Arch Surg** 1984 Oct;119(10):1120–4

Surgical decision making and operative rates. Rutkow IM, et al. **Arch Surg** 1984 Aug;119(8):899–905

Research and the college [editorial] Ludbrook J. **Aust NZ J Surg** 1983 Oct;53(5):393–4

How might we improve surgical services for rural populations in developing countries? [letter] **Br Med J [Clin Res]** 1984 Aug 25;289(6443):494–5

General surgical workload in England and Wales. Allen-Mersh TG, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1115–8

Fostering surgical science. Harrison RC. **Can J Surg** 1983 Nov;26(6):486–7

The reach to recovery program. An evaluation of the attitudes of Connecticut surgeons. Sparks FC, et al. **Cancer** 1984 Jun 15;53(12):2741–5

Surgical oncology research development: the perspective of the National Cancer Institute. Chabner BA, et al. **Cancer Treat Rep** 1984 Jun;68(6):825–9

Surgeons and general practitioners—do they ever meet? Forman S. **Clin Oncol** 1984 Mar;10(1):5–9

Penetrating anorectal injury. An unrecognized hazard for surgeons. Dennison AR, et al. **Dis Colon Rectum** 1984 Sep; 27(9):624–5

Heart rates of surgeons in theatre. Becker WG, et al. **Ergonomics** 1983 Aug;26(8):803–7

From academics to practice. Kouchoukos NT. **Int J Cardiol** 1983 Aug;4(1):112–5

American Association for Hand Surgery. **J Hand Surg [Am]** 1984 Mar;9(2):288–96

The surgeon and I, the family doctor. Forster L. **J Kans Med Soc** 1983 Sep;84(9):475

The surgeon's role in chronic peritoneal dialysis. Atkinson JB, et al. **J Pediatr Surg** 1983 Aug;18(4):468–71

Surgical research: a contradiction in terms? Folkman J. **J Surg Res** 1984 Apr;36(4):294–9

Presidentail address. Surgery as applied physiology. Harken AH. **J Surg Res** 1984 Apr;36(4):289–93

Military science and military surgery: 1984 Fitts lecture, A.A.S.T. Scott R. **J Trauma** 1984 Jul;24(7):553–6

Nurse surgeons [letter] **N Engl J Med** 1983 Dec 8; 309(23):1461–2

Ways for surgeons to increase the efficiency of their use of hospitals. Egdahl RH. **N Engl J Med** 1983 Nov 10; 309(19):1184–7

Cancer control research in American College of Surgeons approved programs. Smart CR. **Prog Clin Biol Res** 1983; 130:37–46

Factors affecting the use of surgical physician assistants. Perry HB, et al. **Public Health Rep** 1984 Jan–Feb;99(1):84–7

Hepatitis B as an occupational disease of surgeons. Lemmer JH. **Surg Gynecol Obstet** 1984 Jul;159(1):91–100 (91 ref.)

Reporting clinical trials in general surgical journals. Emerson JD, et al. **Surgery** 1984 May;95(5):572–9

The academic surgeon: a young surgeon's perspective [editorial] Glenn J. **Surgery** 1984 Jan;95(1):123–4

[Members of the Academy of Surgery] **Chirurgie** 1984; 110(1):I–IX **(Fre)**

[Experts' commission on questions of physician's liability in regard to the activities of the surgeon] Kohnle E. **Chirurg** 1984 Jan;55(1):60–4 **(Ger)**

[Present and future of surgical publications] **Langenbecks Arch Chir** 1983;361:835–71 **(Ger)**

[The science of surgery and surgical research on experimental animals] Kraljević L. **Lijec Vjesn** 1983 Jul–Aug; 105(7–8):314–5 (Eng. Abstr.) **(Scr)**

[The advantages of a pediatric education in the training of

a surgeon] Porras-Ramírez G. **Bol Med Hosp Infant Mex** 1983 Sep;40(9):527-9 (Eng. Abstr.) (Spa)

ECONOMICS

Productive surgeons [editorial] **Lancet** 1984 Feb 18; 1(8373):377

Medicaid participation by medical and surgical specialists. Mitchell JB. **Med Care** 1983 Sep;21(9):929-38

Trend analysis of surgery revenues at Osaka University Hospital. Jitsukawa S. **Med Instrum** 1984 Jan-Feb; 18(1):84-5

EDUCATION

The scope of requirements and methods of verifying knowledge of pathophysiology in qualification examinations for specialization in surgery. Novák J, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3-4):229-32

Retention of pathophysiologic knowledge in time of the surgical degree examination. Votoček J, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3-4):225-7

Who said surgeons had to be trained in gastrointestinal endoscopy? [editorial] Achord JL. **Am J Gastroenterol** 1984 Apr;79(4):322-3

The University of Utah training program in otolaryngology—head and neck surgery. Parkin JL. **Am J Otol** 1984 Apr;5(4):333-4

The personal computer as a clinical research and teaching tool. Sladen JG. **Am J Surg** 1984 May;147(5):654-9

Influence of programmed textbook review on American Board of Surgery In-service Examination scores. Dean RE, et al. **Am Surg** 1984 Jul;50(7):345-9

Reflections concerning resident surgical training. Organ CH Jr. **Am Surg** 1984 Jan;50(1):6-9

Endoscopy training in a general surgery program. Results of a survey. Schwesinger WH, et al. **Arch Surg** 1984 Apr; 119(4):384-6

The Surgical Residency Clearing House: problems on both sides of the fence [editorial] Worth MH Jr. **Curr Surg** 1984 Jan-Feb;41(1):1-3

Surgical education of gynecologists, II. Gusberg SB. **Gynecol Oncol** 1984 Jul;18(3):275-7

The West of Scotland Surgical Training Scheme: the fate of the first 80 trainees. Gentleman D, et al. **Health Bull (Edinb)** 1984 May;42(3):119-25

Education in hand surgery. Smith RJ. **J Hand Surg** 1983 Sep;8(5 Pt 2):655-9

Education of the surgical specialist. Smith RJ. **J Hand Surg** 1983 Sep;8(5 Pt 1):509-15

A brief history of the University of Kentucky Department of Surgery. Clark D, et al. **J Ky Med Assoc** 1984 Jul; 82(7):343-7

A 10-year review of the Utah undergraduate surgical honors program. Nelson EW, et al. **J Med Educ** 1984 Sep; 59(9):749-50

Pediatric surgery in the community hospital. Rathauser F. **J Med Soc NJ** 1983 Aug;80(8):617-24

A critical analysis of clerkship grading procedures. Lazaro EJ, et al. **J Natl Med Assoc** 1983 Nov;75(11):1083-6

Teaching surgical oncology to medical students. Jewell WR, et al. **J Surg Oncol** 1983 Nov;24(3):218-20

What price the mastership of surgery? Burnand KG, et al. **Lancet** 1984 May 19;1(8386):1114-5

Masters of surgery [letter] Cotton LT. **Lancet** 1984 Jun 9; 1(8389):1300

Masters of surgery [letter] Potter J. **Lancet** 1984 Jun 30; 1(8392):1473-4

Graduate medical training [letter] Mann LI. **Obstet Gynecol** 1983 Nov;62(5):670-2

Academic surgery: is there enough attraction to propagate the species? [editorial] Bingham HG. **Plast Reconstr Surg** 1984 Sep;74(3):417-8

Antibiotic prophylaxis in surgery: improvement after a multihospital educational program. Crossley KB. **South Med J** 1984 Jul;77(7):864-7

Impact of a surgical postgraduate course on undergraduate surgical performance. Richardson JD, et al. **South Med J** 1984 Mar;77(3):367-9

Development of an objective rating system for residency applications. Clarke JR, et al. **Surgery** 1984 Aug;96(2):302-7

Significance of the in-training examination in a surgical residency program. Garvin PJ, et al. **Surgery** 1984 Jul; 96(1):109-13

Presidential address: perspectives in medical education. Imbembo AL. **Surgery** 1984 Jul;96(1):88-91

Society of University Surgeons. Presidential address: how big the bite? Jaffe BM. **Surgery** 1984 Aug;96(2):129-32

Relationship between type of surgical clerkship, order of completion, and achievement on patient management problems. Papp KK, et al. **Surgery** 1984 Jul;96(1):102-8

Pitfalls in evaluating the surgical student. Stillman RM. **Surgery** 1984 Jul;96(1):92-6

Validity of multiple-choice examinations in surgery. Stillman RM. **Surgery** 1984 Jul;96(1):97-101

A course in surgical technique for residents in ophthalmology. Kirby TJ. **Trans Am Ophthalmol Soc** 1983; 81:333-57

[Activity of the Department of Surgery at the Institute for Postgraduate Education of Physicians and Pharmacists] Novák J. **Rozhl Chir** 1983 Dec;62(12):796-801 (Cze)

[Legal requirements in the clinical use of assistant physicians in specialty education: a clarifying decision of the federal court] Kern BR. **Chirurg** 1984 May;55(5):357-9 (Ger)

[Legal requirements in the use of assistant physicians in specialist education] Kern BR. **Chirurg** 1983 Aug; 54(8):558-9 (Ger)

[Surgical teaching—a model for clinical education] Lernau OZ, et al. **Harefuah** 1983 Mar 15;104(6):247-9 (Eng. Abstr.) (Heb)

[The teaching of accident surgery in medical school] Kazár G. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):81-4 (Eng. Abstr.) (Hun)

[A teaching experience in surgical technic at the University of São Paulo Medical School] Lima-Gonçalves E, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep-Oct; 38(5):200-5 (Eng. Abstr.) (Por)

[Ideologico-political and moral-ethical education of students in the teaching of surgery] **Khirurgiia (Mosk)** 1983 Sep; (9):3-6 (Rus)

[Training of surgeons in a district hospital] Borovyĭ EM. **Klin Khir** 1983 Nov;(11):55-7 (Rus)

[Training students in practical skills during their instruction in surgery] Chukhrienko DP, et al. **Klin Khir** 1984 May; (5):39-40 (Rus)

[Development of forms and methods of teaching and educational work in a surgical subinternship] Kharaberiush VA, et al. **Klin Khir** 1984 Mar;(3):45-6 (Rus)

[Various organizational methodologic aspects of surgical instruction during the internship] Kharaberiush VA, et al. **Klin Khir** 1984 Feb;(2):66-8 (Rus)

[Business games in raising the qualifications of surgeons in institutes of postgraduate medical training in departments of operative surgery with topographic anatomy] Toporov GN. **Klin Khir** 1984 Mar;(3):47-8 (Rus)

[Optimizing the educational process and features of the teaching of combustiology at a college for the advanced training of physicians] Turbin BN, et al. **Klin Khir** 1984 May;(5):38-9 (Rus)

[Methodology of clinical case discussions with 4th-year students in the Department of Surgery] Nechaĭ AI. **Klin Med (Mosk)** 1984 May;62(5):137-8 (Eng. Abstr.) (Rus)

[Educational experimental laboratory as a factor for improving the effectiveness of training in military field surgery] Karpov SP. **Ortop Travmatol Protez** 1984 May; (5):60-1 (Rus)

[Standardized program of postgraduate physician training in surgery] Samofalov VP, et al. **Sov Med** 1984;(5):68-72 (Rus)

[Professional training of military surgeons] Fedun AA. **Voen Med Zh** 1983 Aug;(8):28-30 (Rus)

[Improved method for exercises in military field surgery] Kochetov GP, et al. **Voen Med Zh** 1984 Jun;(6):15-6 (Rus)

[Improvement in the teaching of military field surgery in the medical institute] Tanasienko ID, et al. **Voen Med Zh** 1984 Jul;(7):22-4 (Rus)

[Pediatric training in the education of the surgeon (letter)] Porras Ramírez G. **Bol Med Hosp Infant Mex** 1984 Mar; 41(3):179-80 (Spa)

[The training of the surgeon according to an epidemiological model] Vélez Gil A, et al. **Educ Med Salud** 1983; 17(2):129-37 (Eng. Abstr.) (Spa)

HISTORY

Traditional surgery of the Alaska natives. Fortuine R. **Alaska Med** 1984 Jan-Mar;26(1):22-5

Ships' surgeons and naturalists in the early history of Alaska. Part 1: Voyages of discovery, 1741-1786. Fortuine R. **Alaska Med** 1984 Apr-Jun;26(2):57-61

John Hunter's application of science to surgery. Cohen B. **Ann R Coll Surg Engl** 1984 Jan;66(1):59-62

El Zahrawi (936-1013 AD), the father of operative surgery [letter] Wijesinha SS. **Ann R Coll Surg Engl** 1983 Nov; 65(6):423

The reception of new operations. Ravitch MM. **Ann Surg** 1984 Sep;200(3):231-46

The barber-surgeons of London. Robinson JO. **Arch Surg** 1984 Oct;119(10):1171-5

Steinach operation [letter] Fraser I. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):242

The bicentenary of the Royal College of Surgeons in Ireland 1784-1984. O'Brien E. **Br Med J [Clin Res]** 1983 Dec 24-31;287(6409):1988-90

Surgeons and surgery in Victorian Yeovil. Guy JR. **Bristol Med Chir J** 1984 Apr;99(370):48-50

Med-Chi is 140 years old: a historical sketch of the Montreal Medical Chirurgical Society. Entin MA. **Can J Surg** 1983 Nov;26(6):563-5

The history of surgery for morbid obesity. MacLean LD, et al. **Can J Surg** 1984 Mar;27(2):126-7

Surgery and hospitals: the Sri Lanka tradition. Wijesinha SS, et al. **Ceylon Med J** 1983 Mar;28(1):48-52

The 'back school' of Delpech in Montpellier. Peltier LF. **Clin Orthop** 1983 Oct;(179):4-9

France, the fundament, and the rise of surgery. Bodemer CW. **Dis Colon Rectum** 1983 Nov;26(11):743-50

Louisiana's place in American surgery. McDonald JC. **J La State Med Soc** 1984 Jan;136(1):3-8

First operation under ether anesthesia: a correction [letter] Eavey RD. **N Engl J Med** 1983 Oct 20;309(16):990-1

Two great American surgeons, each with four aces. Longmire WP Jr. **Pharos** 1983 Summer;46(3):9-14

Carl August Burow. Goldwyn RM. **Plast Reconstr Surg** 1984 Apr;73(4):687-90

Yu. Yu. Voronoy and the first human kidney allograft. Hamilton DN, et al. **Surg Gynecol Obstet** 1984 Sep; 159(3):289-94

Airborne contamination of the operative wound. Ravitch MM, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):177-88

The marrow of the tragedy (Harvey Cushing). Tilney NL. **Surg Gynecol Obstet** 1983 Oct;157(4):380-8

The surgical garb. Doberneck RC, et al. **Surgery** 1984 Jun; 95(6):694-8

[Reminiscences on the 1st Surgical Clinic from Jirásek's time] Knobloch J. **Cas Lek Cesk** 1983 Jul 15;122(28):871-5 (Cze)

[History of 100 years of the 1st Czech Surgical Clinic in Prague] Vlček J. **Cas Lek Cesk** 1983 Jul 15;122(28):865-70 (Cze)

[History of the surgical clinical at the Charles University Medical School in Prague] Vojtíšek V. **Rozhl Chir** 1983 Jul;62(7):533-8 (Cze)

[History of biliary surgery. Apropos of the centennial of the first cholecystectomy] Arianoff AA. **Acta Chir Belg** 1983 Jul-Aug;83(4):241-52 (Eng. Abstr.) (Fre)

[Napoleon III and surgery] Decaux A. **Chirurgie** 1984; 110(1):23-8 (Fre)

[César Roux (1857-1934) and his times] Saegesser F. **Rev Med Suisse Romande** 1984 Jun;104(6):403-64 (Fre)

[Medical legislation in Württemberg in the 19th century, with special reference to the surgeon and the barber-surgeon] Weiss C, et al. **MMW** 1983 Nov 4;125(44):1005-10 (Ger)

[Our surgical heritage. Franz König (1832-1910)—trends and developments in surgery in his time] Paul U. **Zentralbl Chir** 1983;108(22):1451-6 (Ger)

[Our surgical heritage. Johann Friedrich August von Esmarch -- his life and work (9 January 1823-23 February 1908)] Schmauss AK. **Zentralbl Chir** 1983;108(24):1577-83 (Ger)

[Our surgical heritage: The tragic destinies of surgeons. 1882: the tragedy of 'Dr. Block from Danzig'] Schober KL. **Zentralbl Chir** 1984;109(5):366-73 (Eng. Abstr.) (Ger)

[Our surgical heritage. 100 years ago (49)] Schober KL. **Zentralbl Chir** 1983;108(17):1117-20 (Ger)

[Our surgical heritage. The work of Georg Axhausen at the Surgical Clinic of the Charité—Berlin] Taubert E. **Zentralbl Chir** 1983;108(14):913-7 (Ger)

[Dr. Leon StanisŁaw Szuman (1852-1920), surgeon, social worker and poet] Sieńkowski E. **Arch Hist Med (Warsz)** 1984;47(1):133-41 (Eng. Abstr.) (Pol)

[900 sessions of the Scientific Society of Kiev and the Kiev Region] Kovalev MM, et al. **Klin Khir** 1984 Apr;(4):58-61 (Rus)

[Medical circle of the prominent Russian poet V.A. Zhukovskiĭ (on the 200th anniversary of his birth)] Arkhangel'skiĭ GV. **Klin Med (Mosk)** 1984 May; 62(5):139-44 (Rus)

[V. A. Oppel' and the development of physiological surgery] Kotel'nikov VP. **Klin Med (Mosk)** 1984 May;62(5):14,5-8 (Rus)

[Surgeons in the Middle Ages] Mirskiĭ MB. **Klin Med (Mosk)** 1984 Feb;62(2):144-7 (Rus)

[Growth and achievements of surgery of pulmonary tuberculosis in the USSR] Bogush LK. **Probl Tuberk** 1983 Oct;(10):3-7 (1 ref.) (Rus)

[Classification of historico-medical sources of the Soviet period] Bachev VI. **Sov Zdravookhr** 1983;(9):58-9 (Rus)

[Professor A. A. Kiter—Pirogov's first disciple (on the 170th birthday of A. A. Kiter)] Mirskiĭ MB, et al. **Sov Zdravookhr** 1983;(11):68-71 (Rus)

[The Kalinkin Surgical Institute (on the 200th anniversary of its foundation)] Shabunin AV. **Sov Zdravookhr** 1983; (11):66-7 (Rus)

[The prominent Russian surgeon E.I. Bogdanovskiĭ (on the 150th anniversary on his birth)] Mirskiĭ MB. **Vestn Khir** 1984 Mar;132(3):143-5 (Rus)

[Reminiscences of the Serbian Military Medical Service during the 2d Balkan War in 1913. From the memoirs of Dr. Julije Budisavljević and his colleagues at the Surgical Clinic in Innsbruck] Djordjević SP. **Srp Arh Celok Lek** 1983 Jun;111(6):853-9 (Scc)

[The seal of the surgeon-barber guild in Karlovaci in the 18th century] Straser P, et al. **Med Pregl** 1982;35(11-12):493 (Scr)

MANPOWER

Surgeons and operating rooms: underutilized resources. Gil AV, et al. **Am J Public Health** 1983 Dec;73(12):1361-5

Surgical emergencies and manpower. Stower MJ, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):117-9

Night and day [editorial] Jones PF. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):145-6

Manpower problems in general surgery [letter] Rothnie NG. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1764

Medical and surgical manpower and economic phenomena [editorial] Moore FD. **Surgery** 1984 Mar;95(3):374-5

Policy proposal for correcting the imbalance in general surgical manpower. Perry HB, et al. **Surgery** 1984 Feb; 95(2):243-8

Surgery and the GMENAC report: a reality test. Williams DC. **Surgery** 1984 Mar;95(3):347-52

STANDARDS

Itinerant surgery: at home and on the road [editorial] Maloney JV Jr. **Ann Surg** 1984 Aug;200(2):115–6
How might we improve surgical services for rural populations in developing countries [editorial] Nundy S. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):71–2
Assessment of nutritional depletion and immune competence: a comparison of clinical examination and objective measurements. Pettigrew RA, et al. **JPEN** 1984 Jan–Feb; 8(1):21–4
Assessment of the proficiency of the surgeon in providing basic and advanced cardiac life support. Shannon FL, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):9–12
Neuropsychologic predictors of operative skill among general surgery residents. Schueneman AL, et al. **Surgery** 1984 Aug;96(2):288–95

TRENDS

Presidential address. The role of research in the surgery of tomorrow. Thompson JC. **Am J Surg** 1984 Jan;147(1):2–8
President's address. Chirurgeon generalis—an endangered species. Higgins GA. **Am Surg** 1984 Jan;50(1):1–5
Care of the injured. Who will do it? Ledgerwood AM. **Am Surg** 1984 Jun;50(6):293–6
Paediatric urology in the evolution of surgery. Williams DI. **Ann R Coll Surg Engl** 1984 May;66(3):159–63
Doing and thinking: a view from the operating room [editorial] Paton BC. **Circulation** 1984 Sep;70(3):337–8
Emergence of pediatric surgery in India [editorial] Upadhyaya P. **Indian J Pediatr** 1983 Jan–Feb;50(402):49–50
Surgery in transition. One discipline or many? [editorial] Carey LC. **Postgrad Med** 1984 Jan;75(1):13, 16, 19
Current surgical interests in China. Tseng HC, et al. **Surgery** 1984 Feb;95(2):169–74
What is new in Sweden? Changing pattern of general surgery. Bergentz SE. **World J Surg** 1984 Feb;8(1):129–31
[Surgical radiology] Morissette JJ. **Union Med Can** 1983 Oct; 112(10):884–8 (Eng. Abstr.) **(Fre)**
[Surgery and anesthesiology today. Lecture for the opening of the Central European Anesthesia Congress on 13 September 1983] Buff HU. **Anaesthesist** 1984 Apr; 33(4):169–72 **(Ger)**
[Developmental trends in orthopedics with special reference to its surgical aspects] Seyfarth H. **Z Orthop** 1984 Jul–Aug; 122(4):480–3 **(Ger)**
[50 years of surgery—trends and changes] Erlik D. **Harefuah** 1983 Dec 15;105(12):426–9 **(Heb)**
[Lights and shadows in the surgical day hospital today] Montorsi W. **Minerva Med** 1983 Oct 6;74(38):2248–52 **(Ita)**
[Use of the achievements of science and advanced research in the practice of surgery] **Vestn Khir** 1984 Jan;132(1):3–8 **(Rus)**

SURGERY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

SURGERY, MINOR

Recovery after fentanyl and alfentanil in anaesthesia for minor surgery. Kay B, et al. **Br J Anaesth** 1983;55 Suppl 2:169S–171S
Intravenous anaesthesia for minor surgery. A comparison of etomidate or Althesin with fentanyl and alfentanil. Kay B, et al. **Br J Anaesth** 1983;55 Suppl 2:165S–167S
[Anesthesia during minor surgery in children] Kireev SS, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):11–3 (Eng. Abstr.) **(Rus)**

METHODS

[Pilonidal sinus: the benefits of treatment] Merkelbach JW. **Ned Tijdschr Geneeskd** 1984 Apr 21;128(16):774–5 **(Dut)**

SURGERY, OFFICE see **AMBULATORY SURGERY**

SURGERY, OPERATIVE

see related
INTRAOPERATIVE COMPLICATIONS
OPERATING ROOMS
POSTOPERATIVE COMPLICATIONS

Plasma catecholamines during surgical stress: differences between neurolept and enflurane anaesthesia. Hamberger B, et al. **Acta Anaesthesiol Scand** 1983 Aug;27(4):307–10
Metabolic correlates in infants and children during anaesthesia and surgery. Lindahl SG, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):52–6
Effect of surgical trauma on plasma insulin and somatostatin in response to glucose. Stenberg A, et al. **Acta Chir Scand** 1984;150(2):119–22
Nutritional assessment and clinical course in 112 elective surgical patients. Symreng T, et al. **Acta Chir Scand** 1983; 149(7):657–62
Abstracts from the 41st congress of the Nordic Surgical Society. Uppsala, Sweden, June 15–17, 1983. **Acta Chir Scand [Suppl]** 1983;516:11–80
Role of scrape cytology in rapid intraoperative diagnosis. Value and limitations. Shidham VB, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):477–82
Total parenteral nutrition in surgical patients. Brennan MF, et al. **Adv Surg** 1984;17:1–36 (92 ref.)
Relation of the relative dose response to liver concentrations of vitamin A in generally well-nourished surgical patients. Amédée-Manesme O, et al. **Am J Clin Nutr** 1984 Jun; 39(6):898–902
Needle aspiration biopsy: role and limitations in surgical decision making. Schultenover SJ, et al. **Am J Clin Pathol** 1984 Oct;82(4):405–10
Effects of surgical stress and insulin on cardiovascular function and norepinephrine kinetics. Christensen NJ, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E29–34
Lessons in surgery for the Third World [editorial] Yankauer A. **Am J Public Health** 1983 Dec;73(12):1359–60
Bronchoscopy in the critically ill surgical patient. Snow N, et al. **Am Surg** 1984 Aug;50(8):441–5
Medical diseases in surgical patients in Hong Kong. Yeung ML. **Anaesth Intensive Care** 1984 Feb;12(1):33–40
Insulin-dependent diabetic patients during surgery and labour. Use of continuous intravenous insulin-glucose-potassium infusions. Bowen DJ, et al. **Anaesthesia** 1984 May;39(5):407–11
Diabetes and anaesthesia—a promise unfulfilled? [editorial] Hall GM. **Anaesthesia** 1984 Jul;39(7):627–8
Insulin-dependent diabetes during the peri-operative period. An assessment of continuous glucose-insulin-potassium infusion, and traditional treatment. Thomas DJ, et al. **Anaesthesia** 1984 Jul;39(7):629–37
The management of insulin dependent diabetes during cardiopulmonary bypass and general surgery. Thomas DJ, et al. **Anaesthesia** 1983 Nov;38(11):1047–52
The response of patients with neuromuscular disorders to muscle relaxants: a review. Azar I. **Anesthesiology** 1984 Aug;61(2):173–87 (172 ref.)
Awareness during surgery. Blacher RS. **Anesthesiology** 1984 Jul;61(1):1–2
Recall of surgery for major trauma. Bogetz MS, et al. **Anesthesiology** 1984 Jul;61(1):6–9
Prevention of intraoperative myocardial ischemia during noncardiac surgery with intravenous nitroglycerin. Coriat P, et al. **Anesthesiology** 1984 Aug;61(2):193–6
Patent foramen ovale and sitting position [letter] Fischler M, et al. **Anesthesiology** 1984 Jan;60(1):83
In defense of restricting oxygen in bleomycin-treated surgical patients [letter] Goldiner PL, et al. **Anesthesiology** 1984 Aug;61(2):225–7
Continuous pharyngeal suction during surgery [letter] Greemberg L, et al. **Anesthesiology** 1984 Jan;60(1):82
Preanesthetic cimetidine and metoclopramide for acid aspiration prophylaxis in elective surgery. Manchikanti L, et al. **Anesthesiology** 1984 Jul;61(1):48–54
Guidelines for randomized trials to determine incidence of perioperative myocardial infarction [letter] Morris A. **Anesthesiology** 1984 Aug;61(2):213
Avoiding sticky situations [letter] Sternick CS, et al. **Anesthesiology** 1984 Jul;61(1):113
New approaches to assessment of drug disposition in the surgical patient. Vesell ES, et al. **Anesthesiology** 1984 Jun; 60(6):529–33 (27 ref.)
Another opinion about second opinions [editorial] Fisher JC. **Ann Plast Surg** 1984 Aug;13(2):95–6
Surgical wound management with adhesive polyurethane membrane [letter] Drake D. **Ann R Coll Surg Engl** 1984 Jan;66(1):74–5
Energy requirements of surgical patients during intravenous nutrition. Macfie J. **Ann R Coll Surg Engl** 1984 Jan; 66(1):39–42
Branched chain metabolic support. A prospective, randomized, double-blind trial in surgical stress. Cerra FB, et al. **Ann Surg** 1984 Mar;199(3):286–91
Remedial surgery following failed gastroplasty for morbid obesity. Eckhauser FE, et al. **Ann Surg** 1983 Nov; 198(5):585–91
Cardiac risks and complications of noncardiac surgery. Goldman L. **Ann Surg** 1983 Dec;198(6):780–91 (78 ref.)
Re-operation for intra-abdominal sepsis. Indications and results in modern critical care setting. Hinsdale JG, et al. **Ann Surg** 1984 Jan;199(1):31–6
The measurement of intra-abdominal pressure as a criterion for abdominal re-exploration. Kron IL, et al. **Ann Surg** 1984 Jan;199(1):28–30
In vivo and in vitro humoral immunity in surgical patients. Nohr CW, et al. **Ann Surg** 1984 Sep;200(3):373–80
Clinical significance of preoperative nutritional status in 215 noncancer patients. Warnold I, et al. **Ann Surg** 1984 Mar; 199(3):299–305
Intraoperative ultrasound. Hurwitz M. **AORN J** 1983 Dec; 38(6):979–84
Surgery in very low birthweight infants [editorial] Kiely EM. **Arch Dis Child** 1984 Aug;59(8):707–8
Effects of the administration of progesterone and adrenal medullectomy on the plasma fibrinogen levels in rats with surgical injury (laparotomy). Palma JA, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):81–5
Early urgent relaparotomy. Harbrecht PJ, et al. **Arch Surg** 1984 Apr;119(4):369–74
Surgical use of fluosol-DA in Jehovah's Witness patients. Ohyanagi H, et al. **Artif Organs** 1984 Feb;8(1):10–8
Microcomputers in surgery: a data file and analysis program. Isbister WH. **Aust NZ J Surg** 1983 Oct;53(5):465–9
Sympathoadrenal responses to anaesthesia and surgery. Derbyshire DR, et al. **Br J Anaesth** 1984 Jul;56(7):725–39 (98 ref.)
Ventilation and gas exchange during anaesthesia and surgery in spontaneously breathing infants and children. Lindahl SG, et al. **Br J Anaesth** 1984 Feb;56(2):121–9
Gastric emptying and drug absorption before surgery. Marsh RH, et al. **Br J Anaesth** 1984 Feb;56(2):161–4
Abnormalities of muscle metabolism and histology in malnourished patients awaiting surgery: effects of a course of intravenous nutrition. Church JM, et al. **Br J Surg** 1984 Jul;71(7):563–9
Energy and protein requirements of general surgical patients requiring intravenous nutrition. Hill GL, et al. **Br J Surg** 1984 Jan;71(1):1–9 (88 ref.)
Naftidrofuryl and the nitrogen, carbohydrate, and lipid responses to moderate surgery. Jackson JM, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):581–4
Can nocturnal emergency surgery be reduced? Sherlock DJ, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):170–1
Non-cardiac surgery in patients with prior myocardial revascularization. Cruchley PM, et al. **Can Anaesth Soc J** 1983 Nov;30(6):629–34
Walter C. Mackenzie Research Day. Abstracts. **Can J Surg** 1983 Sep;26(5):439–52
Postoperative serum zinc and copper concentration changes. Jiang ZM, et al. **Chin Med J [Engl]** 1983 Apr;96(4):262–4
Morphine and postoperative rewarming in critically ill patients. Rodriguez JL, et al. **Circulation** 1983 Dec; 68(6):1238–46
The significance of changes in blood lymphocyte populations following surgical operations. Hamid J, et al. **Clin Exp Immunol** 1984 Apr;56(1):49–57
Depression of the generation of cell-mediated cytotoxicity by suppressor cells after surgery. Miyazaki S, et al. **Clin Exp Immunol** 1983 Nov;54(2):573–9
Prognostic significance of indocyanine green clearance in critically ill surgical patients. Kholoussy AM, et al. **Crit Care Med** 1984 Feb;12(2):115–6
Herpes simplex virus reactivation in surgical patients. Porteous C, et al. **Crit Care Med** 1984 Aug;12(8):626–8
Lasers in surgery. Dixon JA. **Curr Probl Surg** 1984 Sep; 21(9):1–65 (221 ref.)
Waste not, want not: use of blood in elective operations—improved utilization of blood by use of blood-ordering protocols and the type and screen. Gryskiewicz JM, et al. **Curr Surg** 1983 Sep–Oct;40(5):371–7
Management of diabetes during surgery. A retrospective study of 112 cases. Thai AC, et al. **Diabete Metab** 1984 May;10(2):65–70
Insulin delivery during surgery in the diabetic patient. George K, et al. **Diabetes Care** 1982 May–Jun;5 Suppl 1:65–77 (69 ref.)
The surgeon's mental load during decision making at various stages of operations. Czyżewska E, et al. **Eur J Applied Physiol** 1983;51(3):441–6
European Society for Surgical Research. 19th congress, Zurich, April 9–11, 1984. Abstracts. **Eur Surg Res** 1984;16 Suppl 1:1–123
Reflections on controlled clinical trials in surgery: a plea for clinical, not only for statistical criteria. Invited comment. Lorenz W. **Eur Surg Res** 1984;16(1):7–8
Surgical trial: possibilities and objections. Merlo G. **Eur Surg Res** 1984;16(1):1–6
Hypnosis with medical/surgical patients. Spiegel D. **Gen Hosp Psychiatry** 1983 Dec;5(4):265–77
Inhibition of aldosterone response to surgical injury by preoperative high saline intake. Micali B, et al. **Horm Metab Res** 1983 Sep;15(9):463
The effect of surgical trauma and insulin on whole-body protein turnover in parenterally-fed undernourished patients. Powell-Tuck J, et al. **Hum Nutr Clin Nutr** 1984 Jan;38(1):11–22
Effect of intravenous 3-hydroxybutyrate on postoperative nitrogen balance. Woods WG, et al. **Hum Nutr Clin Nutr** 1983 Sep;37(5):391–4
The importance of pulmonary complications as a cause of death in surgical patients. Tóth T, et al. **Int Surg** 1984 Jan–Mar;69(1):35–7
The use and misuse of antibiotics in surgery. Li Voti P, et al. **Ital J Surg Sci** 1984;14(2):149–50
The medical evaluation and management of the elderly surgical patient. Johnson JC. **J Am Geriatr Soc** 1983 Oct; 31(10):621–5
Techniques in nutritional assessment. Liszewski RF, et al. **J Am Osteopath Assoc** 1984 Mar;83(7):493–5
Early plasma protein and mineral changes after surgery: a two stage process. Myers MA, et al. **J Clin Pathol** 1984 Aug;37(8):862–6
Total body bathing with 'Hibiscrub' (chlorhexidine) in surgical patients: a controlled trial. Leigh DA, et al. **J Hosp Infect** 1983 Sep;4(3):229–35
An approach for the management of certain postsurgical vital functions in poor-risk patients. Rao LN, et al. **J Indian Med Assoc** 1983 Jun;80(11–12):188–9
Positive pressure ventilation. Respiratory effects on EKG axes. Engelking KG, et al. **J Kans Med Soc** 1983 Sep; 84(9):448–9
Evaluation of the cardiac patient for non-cardiac surgery. Silverman BD, et al. **J Med Assoc Ga** 1984 May;73(5):315–8
The Blue Shield of New Jersey second surgical opinion program. Cunniff CL. **J Med Soc NJ** 1983 Oct;80(10):821–2
Intra-operative ultrasound. Johnson I. **J Neurosurg Nurs** 1984 Aug;16(4):208–10
Nutritional support for the geriatric surgical patient. Organ CH Jr, et al. **J Okla State Med Assoc** 1983 Sep;76(9):317–23

Healthy young children's concepts of hospitals, medical personnel, operations, and illness. Redpath CC, et al. **J Pediatr Psychol** 1984 Mar;9(1):29–40

The effect of malignant epithelial tumors, surgical therapy, and bacterial sepsis upon various parameters of interferon system. Ikossi-O'Connor MG, et al. **J Surg Oncol** 1984 May;26(1):27–34

The effect of major trauma on the pathways of thyroid hormone metabolism. Aun F, et al. **J Trauma** 1983 Dec; 23(12):1048–51

Space station, shuttle offer new medical possibilities [news] Gunby P. **JAMA** 1984 May 11;251(18):2314–5

Frozen sections. Their use and abuse. Kindschi GW. **JAMA** 1984 May 18;251(19):2559–60

Active metabolic expenditure of gastroenterological surgical patients receiving intravenous nutrition. MacFie J. **JPEN** 1984 Jul–Aug;8(4):371–6

Does modified amino acid total parenteral nutrition alter immune–response in high level surgical stress. Nuwer N, et al. **JPEN** 1983 Nov–Dec;7(6):521–4

Assessment of nutritional depletion and immune competence: a comparison of clinical examination and objective measurements. Pettigrew RA, et al. **JPEN** 1984 Jan–Feb; 8(1):21–4

Depression of the generation of cell–mediated cytotoxicity after surgery. Miyazaki S, et al. **Jpn J Surg** 1983 May; 13(3):191–5

Contribution of the private sector to elective surgery in England and Wales. Nicholl JP, et al. **Lancet** 1984 Jul 14; 2(8394):89–92

Suppression by etomidate of normal cortisone response to anaesthesia and surgery [letter] Sear JW, et al. **Lancet** 1983 Oct 29;2(8357):1028

The surgeon's duty to warn of risks. Wells WT. **Lancet** 1984 Apr 28;1(8383):974

The problem of induction in clinical decision making. Hanckel FS. **Med Decis Making** 1984;4(1):59–68

Lasers in plastic and general surgery. Aronoff BL. **Med Instrum** 1983 Nov–Dec;17(6):415–6

Laser applications in thoracic and cardiovascular surgery. Mirhoseini M. **Med Instrum** 1983 Nov–Dec;17(6):401–3

Antimicrobial prophylaxis for surgery. **Med Lett Drugs Ther** 1983 Dec 23;25(651):113–6

Urinary excretion and efflux from the leg of 3–methylhistidine before and after major surgical operation. Rennie MJ, et al. **Metabolism** 1984 Mar;33(3):250–6

Risk–benefit ratio: hazardous surgery and experimental therapy. Rosner F. **Mt Sinai J Med (NY)** 1984 Jan–Feb; 51(1):58–9

Major surgery and scleromyxedema [letter] Herr HW. **N Engl J Med** 1984 Mar 22;310(12):788–9

Major surgery in patients undergoing hemodialysis. Takagi H, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):109–16

Management of the patient with diabetes mellitus during surgery or illness. Bovington MM, et al. **Nurs Clin North Am** 1983 Dec;18(4):661–71

Medical and surgical considerations for women in spaceflight. Rock JA, et al. **Obstet Gynecol Surv** 1984 Aug;39(8):525–35

Smoke evacuator for laser surgery. Miller GW, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):582–3

Intravenous nitrogen intake requirements in full–term newborns undergoing surgery. Zlotkin SH. **Pediatrics** 1984 Apr;73(4):493–6

Surgical decision making. Eiseman B. **Proc Annu Meet Med Sect Am Counc Life Insur** 1983; :109–14

Blood usage: physicians' order practices for four elective surgical procedures. Newhouse RE, et al. **RI Med J** 1983 Dec;66(12):517–9

Systemic antibiotic therapy in surgical patients. Geelhoed GW, et al. **South Med J** 1984 Mar;77(3):355–9 (33 ref.)

Symposium on surgery in the cardiac patient. **Surg Clin North Am** 1983 Oct;63(5):975–1152

The anesthetic evaluation and management of the surgical patient with heart disease. Bull AP. **Surg Clin North Am** 1983 Oct;63(5):1035–48 (9 ref.)

Monitoring and perioperative intervention in the postoperative patient with heart disease. Campbell DB, et al. **Surg Clin North Am** 1983 Oct;63(5):1057–67 (12 ref.)

Diagnosis and management of cardiac arrhythmias in the postoperative period. Davis D. **Surg Clin North Am** 1983 Oct;63(5):1091–102 (22 ref.)

The management of the cardiac patient requiring noncardiac surgery. Preoperative evaluation and management of the surgical patient with heart disease. Hermanovich J Jr. **Surg Clin North Am** 1983 Oct;63(5):985–91 (20 ref.)

Diagnosis and management of myocardial ischemia in the postoperative period. Leaman DM, et al. **Surg Clin North Am** 1983 Oct;63(5):1081–9 (9 ref.)

Clinical assessment of the surgical patient with heart disease. Liedtke AJ. **Surg Clin North Am** 1983 Oct;63(5):977–83 (15 ref.)

Wound healing with diabetes mellitus. Better glucose control for better wound healing in diabetes. McMurry JF Jr. **Surg Clin North Am** 1984 Aug;64(4):769–78

The hypertensive surgical patient. Controversies in management. Martin DE, et al. **Surg Clin North Am** 1983 Oct;63(5):1017–33 (29 ref.)

Evaluation of surgical patients with peripheral vascular disease. Nicholas GC. **Surg Clin North Am** 1983 Oct; 63(5):993–1002 (17 ref.)

Pacemakers in noncardiac surgery. O'Neill MJ Jr, et al. **Surg Clin North Am** 1983 Oct;63(5):1103–12 (37 ref.)

Perioperative management of drug therapy. Pennock JL. **Surg Clin North Am** 1983 Oct;63(5):1049–56 (25 ref.)

Assessment of risk factors and surgical outcome. Schneider AJ. **Surg Clin North Am** 1983 Oct;63(5):1113–26 (21 ref.)

Respiratory care of the surgical patient with cardiac disease. Tantum KR. **Surg Clin North Am** 1983 Oct;63(5):1069–79 (17 ref.)

Evaluation of the pediatric surgical patient with congenital heart disease. Werner JC, et al. **Surg Clin North Am** 1983 Oct;63(5):1003–15 (22 ref.)

Operative risk of general surgical procedures in patients with previous myocardial revascularization. Prorok JJ, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):214–6

Reflections on a first year of surgery in West Africa. Peppiatt R. **Trop Doct** 1983 Oct;13(4):187–8

Patient positioning for posterior lumbotomy. Novicki DE, et al. **Urology** 1983 Sep;22(3):303

Relation between surgical volume and postoperative wound infection [letter] Greif JM, et al. **West J Med** 1984 Jan; 140(1):99–100

Preoperative assessment of the elderly. Djokovic JL. **Wis Med J** 1983 Aug;82(8):20–2

Lasers in general surgery. Aronoff BL. **World J Surg** 1983 Nov;7(6):681–3

Acid–base problems in surgery. Clark J, et al. **World J Surg** 1983 Sep;7(5):590–8

The use of lasers in current surgical practice—an introduction. Salmon PR. **World J Surg** 1983 Nov; 7(6):679–80

[Non–cardiac surgery and myocardial infarction] Tong M. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):291–2 (Chi)

[Diabetes and surgery] Huang HY. **Chung Hua I Hsueh Tsa Chih** 1984 Mar;64(3):162–5 (Chi)

[Changes in serum zinc and copper concentrations after operative trauma] Jiang ZM. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):607–8 (Eng. Abstr.) (Chi)

[Hypercoagulation state in the postoperative period] Pstružinová H, et al. **Rozhl Chir** 1983 Sep;62(8–9):561–7 (Eng. Abstr.) (Cze)

[Total parenteral nutrition in surgery] van de Velde CJ, et al. **Ned Tijdschr Geneeskd** 1983 Sep 10;127(37):1681–6 (77 ref.) (Dut)

[Acta Belgica Chirurgica Index for the years 1961–1981] **Acta Chir Belg** 1982;81:1–202 (Fre)

[Towards a daily surgical hospital II. Analytical study of the evaluation criteria for Newman's test] Zozime JP, et al. **Agressologie** 1984 Jan;25(1):25–8 (Eng. Abstr.) (Fre)

[Antiprothrombinase antibodies and surgery] Gouin F. **Ann Fr Anesth Reanim** 1984;3(4):244–5 (Fre)

[Surgery and circulating antiprothrombinase–type anticoagulant in the Soulier–Boffa syndrome] Martin C, et al. **Ann Fr Anesth Reanim** 1984;3(4):306–8 (Eng. Abstr.) (Fre)

[Absence of postanesthetic hypersomnia in Gelineau's syndrome (letter)] Racle JP, et al. **Ann Fr Anesth Reanim** 1984;3(1):79 (Fre)

[Surgery] **Rev Med Brux** 1984 Mar;5(3):195–211 (Fre)

[Cardiovascular complications in hypertensive patients during the peroperative phase] Hartung HJ, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):196–8 (Eng. Abstr.) (Ger)

[Time and incidence of peroperative cardiovascular complications in geriatric patients] Osswald PM, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):193–5 (Eng. Abstr.) (Ger)

[Use of neomycin–bacitracin irrigating solution with intraoperative autotransfusions during orthopedic operations] Paravicini D, et al. **Arzneimittelforsch** 1983; 33(7):997–9 (Eng. Abstr.) (Ger)

[Immunoglobulins for patients at risk in surgery] Eckert P. **Beitr Infusionther Klinis Ernahr** 1983;11:34–8 (Ger)

[Residual monomer content in bone cement following endoprostheses reoperation] Werner K. **Beitr Orthop Traumatol** 1983 Dec;30(12):645–8 (Eng. Abstr.) (Ger)

[Secondary resection in primarily omitted thyroidectomy as a prerequisite for multimodal therapy of differentiated thyroid cancers] Günther B, et al. **Chirurg** 1984 May; 55(5):336–8 (Eng. Abstr.) (Ger)

[Geriatric psychiatry aspects of surgical patients] Kanowski S, et al. **Chirurg** 1984 Feb;55(2):70–4 (Ger)

[Multimorbidity and surgical risk] Nobbe F, et al. **Chirurg** 1984 Feb;55(2):65–9 (16 ref.) (Ger)

[Surgery in the aged: assessment criteria of indications for surgery] Röher HD. **Chirurg** 1984 Feb;55(2):75–8 (Ger)

[Operative strategy in abdominal surgery in the aged: standard technics and alternatives] Witte J, et al. **Chirurg** 1984 Feb;55(2):79–86 (Ger)

[Operative strategy of emergency surgery in the aged: standard technics and alternatives] Zimmermann HG. **Chirurg** 1984 Feb;55(2):87–94 (Ger)

[Demands for preserved blood and blood transfusions in planned operations] Boden B, et al. **Folia Haematol (Leipz)** 1984;111(3):330–3 (Eng. Abstr.) (Ger)

[In which operations is antibiotic prevention carried out with only a a single dose? Results of a survey among chief physicians in general surgery in German–speaking Switzerland] Mindermann T, et al. **Fortschr Med** 1984 Mar 15;102(10):253–4 (Eng. Abstr.) (Ger)

[Postoperative metabolism] Ahnefeld FW. **Infusionsther Klin Ernahr** 1983 Oct;10(5):232–42 (Ger)

[Surgery. Current overviews] **Langenbecks Arch Chir** 1983; 361:35–78 (Ger)

[Prophylactic perioperative digitalis therapy] Löllgen H, et al. **Med Welt** 1983 Nov 25;34(47):1340–3 (Ger)

[Preventive treatment with lithium and surgical interventions. Guidelines for therapy] Schou M, et al. **MMW** 1983 Jul 22;125(32–33):705–6 (Ger)

[Unsuccessful intervertebral disk operation. Indications and contraindications for reoperation] Schroeder S, et al. **MMW** 1983 Jul 22;125(29–30):681–4 (Eng. Abstr.) (Ger)

[Surgical interventions in tuberculosis patients] Wolfart W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:451–4 (Eng. Abstr.) (Ger)

[Comparative study of a new commercially produced combination solution (fat, carbohydrates, aminoacids) for complete parenteral feeding of surgery patients in intensive care] Leutenegger A, et al. **Schweiz Med Wochenschr** 1984 May 26;114(21):742–53 (Eng. Abstr.) (Ger)

[The intoxicated surgical patient] Liczkowski B, et al. **Z Arztl Fortbild (Jena)** 1984;78(1):11–2 (Ger)

[The behavior of hemodynamic parameters during surgery in childhood] Bennek J, et al. **Z Kinderchir** 1983 Aug; 38(4):195–8 (Eng. Abstr.) (Ger)

[Preoperative examinations by internists before reoperation] Kettner W, et al. **Zentralbl Chir** 1984;109(5):297–308 (Eng. Abstr.) (Ger)

[Intervention radiologic treatments of the bile ducts as an alternative to reoperation] Reichenbach F. **Zentralbl Chir** 1983;108(16):1007–16 (Eng. Abstr.) (Ger)

[CT 1341 programmed anesthesia] Macoretta P, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec; 25(7–12):196–207 (Eng. Abstr.) (Ita)

[Fazadinium bromide. Preliminary note on its clinical pharmacokinetics] Busi T, et al. **Minerva Anestesiol** 1983 Sep;49(9):485–9 (Eng. Abstr.) (Ita)

[Psychological and emotional responses to anesthesia and surgery] Cardaci SB, et al. **Minerva Anestesiol** 1983 Jun; 49(6):357–70 (Eng. Abstr.) (Ita)

[The use of fazadinium bromide, a new synthetic muscle relaxant, in general surgery] Falcone G, et al. **Minerva Anestesiol** 1983 Jun;49(6):381–3 (Eng. Abstr.) (Ita)

[Current use of collagen sheets in surgery] Fincato M, et al. **Minerva Chir** 1983 Oct 15;38(19):1621–2 (Ita)

[Tissues and the laser in surgery. Principles and general considerations] Galletti G. **Minerva Chir** 1983 Oct 15; 38(19):1429–32 (Ita)

[Considerations on time factors and forms of cicatrization of the silastic sponge tampon. II.] Jannelli O, et al. **Minerva Chir** 1983 Oct 15;38(19):1511–3 (Ita)

[Control of glucide metabolism in the surgical diabetic patient] Laffranchini GS, et al. **Minerva Chir** 1983 Oct 15; 38(19):1531–6 (Ita)

[Use of piperacillin in the critical surgery patient] Piscitelli L, et al. **Minerva Chir** 1984 Jan 15–31;39(1–2):73–6 (Eng. Abstr.) (Ita)

[Effect of anesthesia and operation on complement system and platelet aggregation] Kim S, et al. **Masui** 1984 Jan; 33(1):38–42 (Eng. Abstr.) (Jpn)

[The effects of L- and D,L-lactated Ringer's solutions on body fluids and lactate metabolism during surgery] Kitamura S, et al. **Masui** 1984 Feb;33(2):148–53 (Eng. Abstr.) (Jpn)

[Effects of music on plasma stress hormones in surgical patients] Satoh Y, et al. **Masui** 1983 Oct;32(10):1206–11 (Eng. Abstr.) (Jpn)

[Renal function during surgery] Takehara Y, et al. **Masui** 1983 May;32(5):527–32 (Eng. Abstr.) (Jpn)

[Effects of enflurane on intraventricular pressure in surgical patients] Tanioka F, et al. **Masui** 1984 May;33(5):482–4 (Eng. Abstr.) (Jpn)

[Episodic secretion of ACTH during halothane anesthesia and surgery] Yao M, et al. **Masui** 1984 May;33(5):525–31 (Eng. Abstr.) (Jpn)

[Plasma bromide ion contents during halothane anesthesia and surgery] Yao M, et al. **Masui** 1983 Aug;32(8):976–80 (Eng. Abstr.) (Jpn)

[The 83rd symposium of the Japan Surgical Society. April 5–6, 1984, Osaka Abstracts] **Nippon Geka Gakkai Zasshi** 1983 Feb;84 Suppl:61–403 (Jpn)

[The 84th general meeting of the Japan Surgical Society. 29–31 March 1984, Kyoto, Abstracts] **Nippon Geka Gakkai Zasshi** 1984 Feb;85 Suppl:69–477 (Jpn)

[Influence of the surgical stress on graft–versus–host reaction in mice—the suppressor activity to GVH reaction induced by the surgical operation] Kojima K, et al. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):1–7 (Eng. Abstr.) (Jpn)

[A study on carbohydrate metabolism in surgical patients with special reference to changes of plasma glucagon levels] Matsubara Y. **Nippon Geka Gakkai Zasshi** 1983 Jul; 84(7):591–601 (Eng. Abstr.) (Jpn)

[Gastric mucosal defensive factor in various gastric diseases—with special reference to the influence of the operative insult and obstructive jaundice] Miyakawa H, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):238–43 (Eng. Abstr.) (Jpn)

[The study of pituitary and adrenal cortical hormones before and after surgery] Ashiki A. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1661–73 (Eng. Abstr.) **(Jpn)**

[Problems of the qualification and preparation for non-cardiac surgery in patients with coexisting diseases of the circulatory system] Dubiel JP. **Przegl Lek** 1983; 40(8):623–30 **(Pol)**

[Enteral feeding in surgery — comparative study of 3 different diets] Faintuch J, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):121–5 (Eng. Abstr.) **(Por)**

[Correction of hemostasis in surgical interventions on von Willebrand's disease patients] Papaian LP, et al. **Gematol Transfuziol** 1983 Dec;28(12):22–6 (Eng. Abstr.) **(Rus)**

[Combined surgical interventions in surgical practice] Malinovskii NN, et al. **Khirurgiia (Mosk)** 1983 Dec; (12):63–8 **(Rus)**

[Clinical use of benzofurocaine for local and conduction anesthesia in general and microsurgical procedures] Arzumanov VS, et al. **Klin Khir** 1983 Dec;(12):40–2 (Eng. Abstr.) **(Rus)**

[Tensiometry of wounds in daily surgical practice] Kovalenko IV. **Klin Khir** 1984 Jan;(1):52–4 (Eng. Abstr.) **(Rus)**

[Emergency surgical interventions in hemophilia] Terekhov NT, et al. **Klin Khir** 1984 Mar;(3):30–3 (Eng. Abstr.) **(Rus)**

[Use of ganglionic blockade without hypotension in surgery on patients with hypertension] Dedenko IK, et al. **Klin Med (Mosk)** 1983 Nov;61(11):58–61 **(Rus)**

[Study of the culture media for the detection of bacteremia in surgical patients] Vishnevskaia SM. **Lab Delo** 1983; (11):58–60 (Eng. Abstr.) **(Rus)**

[Effect of the extent of surgical injury and tactics of postoperative management on hormonal response among oncologic patients] Khmelevskiĭ IaM, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):63–72 (Eng. Abstr.) **(Rus)**

[Intravenous monoanesthesia and antianesthetics in emergency surgery] D'iachenko PK, et al. **Vestn Khir** 1984 Apr;132(4):113–8 (Eng. Abstr.) **(Rus)**

[Treatment of surgical diseases in patients with diabetes mellitus] Genyk SN, et al. **Vestn Khir** 1983 Oct; 131(10):145–8 (38 ref.) **(Rus)**

[Diabetic patients and surgical interventions. Guidelines for the preoperative preparation and postoperative care of these patients] Ivković-Lazar T. **Med Pregl** 1984; 37(1–2):51–3 (Eng. Abstr.) **(Scr)**

[Relation between preoperative and hospital stress and plasma levels of beta-endorphin] Miralles F, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):67–71 (Eng. Abstr.) **(Spa)**

[Autotransfusion in elective surgery] Vázquez Valdés E, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):221–4 (Eng. Abstr.) **(Spa)**

[Characteristics of surgical services in Chile and the most frequently performed operations in different types of hospitals] Csendes A, et al. **Rev Med Chil** 1983 Oct; 111(10):1065–74 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hypokalemia of various etiologies complicating elective surgical procedures. Sack RA, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):74–8

Vertical tarsal buckling as a complication of levator aponeurosis repair for acquired blepharoptosis. Patipa M, et al. **Am J Ophthalmol** 1984 Jan;97(1):93–9

Altered helper and suppressor lymphocyte populations in surgical patients. A measure of postoperative immunosuppression. Hansbrough JF, et al. **Am J Surg** 1984 Sep;148(3):303–7

Telogen effluvium after anesthesia and surgery. Desai SP, et al. **Anesth Analg** 1984 Jan;63(1):83–4

Life-threatening perioperative apnea in the ex-'premie' [editorial] Gregory GA, et al. **Anesthesiology** 1983 Dec; 59(6):495–8

Perioperative myocardial reinfarction: a glimmer of hope—a note of caution [editorial] Lowenstein E, et al. **Anesthesiology** 1983 Dec;59(6):493–4

Reinfarction following anesthesia in patients with myocardial infarction. Rao TL, et al. **Anesthesiology** 1983 Dec; 59(6):499–505

Rupture of the common femoral artery during hip replacement surgery. A report of two cases. Paavolainen P, et al. **Ann Chir Gynaecol** 1983;72(4):232–5

Outcome of anesthesia and surgery in hypothyroid patients. Weinberg AD, et al. **Arch Intern Med** 1983 May; 143(5):893–7

Levator injury during blepharoplasty. Baylis HI, et al. **Arch Ophthalmol** 1984 Apr;102(4):570–1

Hospital costs of surgical complications. Mason LB, et al. **Arch Surg** 1984 Sep;119(9):1065–6

Immunosuppressive effect of surgery evaluated by the multitest cell-mediated immunity system. Berti Riboli E, et al. **Can J Surg** 1984 Jan;27(1):60–3

Assessing cardiac risk in patients who undergo noncardiac surgical procedures. Zeldin RA. **Can J Surg** 1984 Jul; 27(4):402–4

Tubes, wires, and rods seen in chest roentgenograms. Kattan KR, et al. **CRC Crit Rev Diagn Imaging** 1984;21(3):257–87 (50 ref.)

Calcaneus deformity in cerebral palsy. Dillin W, et al. **Foot Ankle** 1983 Nov–Dec;4(3):167–70

How much insult the human eye can tolerate. Shroff AP, et al. **Indian J Ophthalmol** 1983 Jul;31(4):451–3

Surgical injury to the ureter: a report on 21 injuries in 19 patients. Grace PA, et al. **Ir Med J** 1983 Oct;76(10):418–20

The influence of general anesthesia and surgery on cell-mediated cytotoxicity and interferon production. Møller-Larsen F, et al. **J Clin Lab Immunol** 1983 Oct; 12(2):69–75

Iatrogenic Horner's syndrome secondary to chest tube thoracostomy. Fleishman JA, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):205–10

Traumatic middle meningeal arteriovenous fistula caused by three-point skull fixation. Case report. Inagawa T, et al. **J Neurosurg** 1984 Apr;60(4):853–5

Consequences of dural defects acquired in infancy. Winston K, et al. **J Neurosurg** 1983 Nov;59(5):839–46

Effects of surgery and epidural or general anaesthesia on testosterone, 17-hydroxyprogesterone and cortisol plasma levels in prepubertal boys. Boninsegni R, et al. **J Steroid Biochem** 1983 Dec;19(6):1783–7

In vitro leukocyte endogenous mediator production is not impaired following surgical stress in moderately malnourished patients. Duncan JL, et al. **JPEN** 1984 Mar–Apr;8(2):174–7

Angiographic demonstration of postoperative cortical artery stenosis induced by Biemer temporary clips. Fein JM, et al. **Neurosurgery** 1983 Nov;13(5):520–2

Use of an anal sphincter pressure monitor during operations on the sacral spinal cord and nerve roots. Pang D, et al. **Neurosurgery** 1983 Nov;13(5):562–8

Alterations in circadian excretion of urinary variables and physiological indicators of stress following surgery. Farr L, et al. **Nurs Res** 1984 May–Jun;33(3):140–6

Effects of nongynecological surgery on the menstrual cycle. McKeever P, et al. **Nurs Res** 1984 Jan–Feb;33(1):42–6

Pulmonary dysfunction and surgical risk. How to assess and minimize the hazards. Okeson GC. **Postgrad Med** 1983 Nov;74(5):75–83

Evolution of antithrombin III during the postoperative period. Rodzynek JJ, et al. **Scand J Haematol** 1984 Aug; 33(2):207–11

Symposium on complications of common procedures. **Surg Clin North Am** 1983 Dec;63(6):1153–371

Increased risk of malignancy and uterine disease following perimenarchal hospitalization: an estrogen window effect. Meyer KK, et al. **Surgery** 1983 Oct;94(4):548–53

Right atrium perforation by a pleural drain. Report of a case with survival. Casillas JA, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):247–8

Effect of trauma on malaria infection. Aina AO. **World J Surg** 1983 Jul;7(4):527–31

[Iatrogenic injuries of the urogenital organs] Scheinar J. **Rozhl Chir** 1984 Apr;63(4):283–8 (Eng. Abstr.) **(Cze)**

[Computer records of anesthesiology information. Evaluation of the operative risk] Tartière J, et al. **Ann Fr Anesth Reanim** 1984;3(1):63–75 (Eng. Abstr.) **(Fre)**

[Iatrogenic lesions of the urethra] Rochat JB, et al. **Rev Med Suisse Romande** 1983 Nov;103(11):955–9 **(Fre)**

[Intragastric pH increase using antacids or secretin for stress ulcer prevention in surgical risk patients] Lehmann L, et al. **Chirurg** 1984 Jul;55(7):455–60 (Eng. Abstr.) **(Ger)**

[Expert testimonial aspects in urologic gynecology] Altwein JE. **Gynakologe** 1983 Dec;16(4):248–57 **(Ger)**

[Surgical risk research] **Langenbecks Arch Chir** 1983; 361:241–87 **(Ger)**

[Evaluation of the risk of thromboembolic complications during major surgical procedures] Roggendorf H, et al. **Med Welt** 1983 Dec 9;34(49):1392–5 **(Ger)**

[Hemodynamic evaluation in surgical trauma] Cagossi M, et al. **Chir Patol Sper** 1982 Dec;30(6):213–36 (Eng. Abstr.) **(Ita)**

[Possibility of obtaining a metabolic homeostasis in the surgery patient by a defined diet] Cristallo M, et al. **Minerva Dietol Gastroenterol** 1983 Oct–Dec;29(4):327–36 (Eng. Abstr.) **(Ita)**

[The risks of general surgery in heart disease patients] Setlacec D, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):1–8 (Eng. Abstr.) **(Rum)**

[Effect of endotracheal anesthesia, surgery and degree of blood loss on the state of the liver in patients with interrupted extrauterine pregnancy] Akunts KB, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):48–50 (Eng. Abstr.) **(Rus)**

[Role of parietal cells of the gastric mucosa in the development of acute postoperative ulcers and erosions] Medvetskiĭ EB, et al. **Klin Khir** 1983 Jul;(8):48–51 (Eng. Abstr.) **(Rus)**

[Errors and dangers in aortocoronary bypass surgery] Shabalkin BV, et al. **Klin Khir** 1983 Jul;(7):63–5 **(Rus)**

[Intraoperative and early postoperative complications of vagotomy] Spivak VP, et al. **Klin Khir** 1983 Jul;(8):65–7 **(Rus)**

[Myocardial damage and contractile function in patients undergoing surgery for the Leriche syndrome] Ashurov BM. **Klin Med (Mosk)** 1983 Jul;61(7):30–4 (Eng. Abstr.) **(Rus)**

[Intestinal obstruction after removal of an aortic vascular prosthesis] Belokonev VI. **Vestn Khir** 1983 Aug;131(8):58 **(Rus)**

[Relative risk of pulmonary embolism after surgery] Daniš J, et al. **Rozhl Chir** 1984 Mar;63(3):189–94 (Eng. Abstr.) **(Slo)**

CLASSIFICATION

The need to redefine levels of surgical care. Davis JE. **JAMA** 1984 May 18;251(19):2527–8

Classification of hospital patients as 'surgical.' Implications of the shift to ICD-9-CM. Tedeschi P, et al. **Med Care** 1984 Mar;22(3):189–92

ECONOMICS

Strategies for cost containment in surgical patients [letter] Zawacki BE. **Ann Surg** 1984 Jul;200(1):104–5

Costs, risks, and benefits of hand surgery. Chase RA. **J Hand Surg** 1983 Sep;8(5 Pt 2):644–8

Surgical treatment of hidradenitis suppurativa. Rogers IW, et al. **J La State Med Soc** 1983 Oct;135(10):21–4

Discounting surgical benefits. Enucleation versus resection of the prostate. Woodward R, et al. **J Med Syst** 1983 Dec; 7(6):481–93

Cost-efficient surgery [letter] **N Engl J Med** 1984 Mar 29; 310(13):856–7

Second surgical opinion programs: evaluation deficiencies. Dunham MH, et al. **Wis Med J** 1984 Apr;83(4):23–4

METHODS

Nasogastric biliary endoprosthesis removal. Yrizarry JM, et al. **AJR** 1984 Oct;143(4):819–20

Techniques for surgical repair of vesicovaginal fistulae. Frang D, et al. **Int Urol Nephrol** 1983;15(2):161–9

MORTALITY

Anaesthesia-related surgical mortality. Lunn JN, et al. **Anaesthesia** 1983 Nov;38(11):1090–6

Deaths associated with anaesthesia and surgery at the Kenyatta National Hospital, Nairobi, 1972–1979. Kahuho SK, et al. **East Afr Med J** 1983 Mar;60(3):134–9

Surgical rates and mortality. A correlational analysis. Roos LL Jr. **Med Care** 1984 Jun;22(6):586–8

Review of surgical mortality. Kulunga A, et al. **Papua New Guinea Med J** 1983 Mar;26(1):13–6

Surgical procedures in nonagenarians. Michel SL, et al. **West J Med** 1984 Jul;141(1):61–3

[Mortality and complications of operations in a surgical department (1977–1981)] Merkelbach JW. **Ned Tijdschr Geneeskd** 1984 Apr 7;128(14):660–7 (Eng. Abstr.) **(Dut)**

[Perioperative and perinatal morbidity and mortality. Pilot study by a working team of Swiss gynecological hospitals] Hochuli E. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):2–7 (Eng. Abstr.) **(Ger)**

[Development of pediatric surgery as shown by the postoperative mortality of neonates and infants] Schickedanz H, et al. **Padiatr Grenzgeb** 1983;22(5):313–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Teaching children through play therapy. Betz CL. **AORN J** 1983 Oct;38(4):709–24

Anxiety in surgical patients' families. Kathol DK. **AORN J** 1984 Jul;40(1):131–7

Preoperative fears of older children. Timmerman RR. **AORN J** 1983 Nov;38(5):827, 830–1, 834

Surgery in the aged. Lomax AJ, et al. **Can J Surg** 1983 Nov; 26(6):550–1

Psychological preparation for elective surgery. Galland L. **Conn Med** 1984 Jun;48(6):355–6

The briefest encounter: psychotherapy for medical and surgical patients. Blacher RS. **Gen Hosp Psychiatry** 1984 Jul;6(3):226–32

Psychic trauma and masochism. Glenn J. **J Am Psychoanal Assoc** 1984;32(2):357–86

Influence of arousal, previous experience, and age on surgery preparation of same day of surgery and in-hospital pediatric patients. Faust J, et al. **J Consult Clin Psychol** 1984 Jun; 52(3):359–65

How to recognize and control the problem patient. Wright MR. **J Dermatol Surg Oncol** 1984 May;10(5):389–95

Subjective health assessments and the perceived outcome of minor surgery. Hunt SM, et al. **J Psychosom Res** 1984; 28(2):105–14

Variables that affect the school-age child's reaction to hospitalization and surgery: a review of the literature. Lambert SA. **Matern Child Nurs J** 1984 Spring;13(1):1–18

Children's locus of control beliefs as predictors of preoperative coping behavior. Lamontagne LL. **Nurs Res** 1984 Mar–Apr;33(2):76–9, 85

Agreement for surgical patients on two situations for the trait anxiety inventory. Boeke S, et al. **Psychol Rep** 1984 Feb;54(1):278

Agreement for surgical patients on two instructional situations for the state anxiety inventory. Boeke S, et al. **Psychol Rep** 1983 Oct;53(2):536–8

Additional analyses regarding locus of control expectancies of surgical patients. Larde J, et al. **Psychol Rep** 1984 Feb; 54(1):28

Necessary considerations for surgery preparation: age and previous experience. Melamed BG, et al.

Psychosom Med 1983 Dec;45(6):517–25
[A pamphlet for admission to the hospital. Use in the surgical pediatric service] Glorion F, et al.
Neuropsychiatr Enfance Adolesc 1983 Jul;31(7):329–32 (Eng. Abstr.) (Fre)
[The preoperative mental state] Tolksdorf W.
Fortschr Med 1984 Mar 29;102(12):342–5 (Eng. Abstr.) (Ger)
[Patient, disease, hospital] Schmitt W. Zentralbl Chir 1983; 108(14):849–54 (Eng. Abstr.) (Ger)

REHABILITATION

Study of Intralipid 20% intravenous fat emulsion in post-surgical neonates. DeLuca FG.
Acta Chir Scand [Suppl] 1983;517:165–8
Muscle and plasma amino acids after Neopham therapy in adult surgical patients. Kinney JM.
Acta Chir Scand [Suppl] 1983;517:103–11
Experience with a new amino acid solution (Neopham) in general surgical patients. Soroff H, et al.
Acta Chir Scand [Suppl] 1983;517:113–21
[Restoration of work capacity after major vascular surgical interventions. Expectations and reality] Arndt M, et al.
Dtsch Med Wochenschr 1984 Apr 20;109(16):616–7 (Eng. Abstr.) (Ger)

STANDARDS

Operative ultrasonography. Sigel B, et al. Surg Annu 1983; 15:25–40
[Quality assurance in medicine. A contribution of surgery] Schega W. Dtsch Med Wochenschr 1984 Jan 13;109(2):43–5 (Ger)
[Quality control in surgery] Langenbecks Arch Chir 1983; 361:789–815 (Ger)

TRENDS

What's new in surgery. The ACS Clinical Congress. Klann SS, et al. AORN J 1984 Feb;39(2):194–209
Surgical decision making and operative rates. Rutkow IM, et al. Arch Surg 1984 Aug;119(8):899–905
Can nocturnal emergency surgery be reduced? [letter]
Br Med J [Clin Res] 1984 Aug 11;289(6441):378–9
Five-year study of surgical rates in Ontario's counties. Vayda E, et al. Can Med Assoc J 1984 Jul 15;131(2):111–5
Review of general surgery 1982. Ellis H. Postgrad Med J 1983 Jul;59(693):403–22 (127 ref.)
[Status of surgical care in the RSFSR and prospects for its development] Sergeev GV. Sov Med 1984;(5):3–9 (Rus)

UTILIZATION

Surgical waiting lists [editorial] Morris D.
Br Med J [Clin Res] 1984 Aug 4;289(6440):271–2

VETERINARY

Correction of congenital defects of the urogenital system. Rawlings CA. Vet Clin North Am [Small Anim Pract] 1984 Jan;14(1):49–60 (44 ref.)

SURGERY, ORAL

Five studies on ibuprofen for postsurgical dental pain. Cooper SA. Am J Med 1984 Jul 13;77(1A):70–7
Cardiac dysrhythmia associated with general anaesthesia for oral surgery. Its prevention by the prophylactic use of an oral beta-adrenergic blocker. Hanna MH, et al.
Anaesthesia 1983 Dec;38(12):1192–4
Outpatient oral surgery. McDonald PJ. Aust Dent J 1983 Oct;28(5):286–91
Manpower imbalance in oral surgery [letter] Br Dent J 1984 Apr 7;156(7):239
Oral and maxillofacial surgery: an update. Guralnick W, et al. Br Dent J 1984 Apr 21;156(8):281–5
Manpower imbalance in oral surgery [letter] Ray KR.
Br Dent J 1984 Mar 24;156(6):198–9
Consultant oral surgeons in the NHS [letter] Watts KD.
Br Dent J 1983 Nov 5;155(9):292
Fentiazac in postsurgical dental pain. Fandiño LE.
Clin Ther 1984;6(3):252–8
The 18th annual congress of the Scandinavian Association of Oral Surgeons (SAOS) scientific program. Abstracts. Int J Oral Surg 1983 Aug;12(4):256–86
Future of oral and maxillofacial surgery [letter]
J Am Dent Assoc 1984 Mar;108(3):298, 300
A distinction with a difference [letter] Belinfante L.
J Oral Maxillofac Surg 1984 Aug;42(8):483
Protecting the public and the practitioner [editorial] Laskin DM. J Oral Maxillofac Surg 1984 Sep;42(9):554
Disinfection procedures and infection control in the outpatient oral surgery practice. Reingold AL, et al.
J Oral Maxillofac Surg 1984 Sep;42(9):568–72
Perturbation of cobalt 60 radiation doses by metal objects implanted during oral and maxillofacial surgery. Tatcher M, et al. J Oral Maxillofac Surg 1984 Feb;42(2):108–10
Handicapped oral surgeon receives special award (Mark Swerdloff). NY State Dent J 1983 Dec;49(10):788
[Premedication and anxiety in operative dentistry and maxillofacial surgery] Lepaul M, et al.
Actual Odontostomatol (Paris) 1983 Dec;144:713–32 (Fre)
[Sedation analgesia in dentistry and oral surgery] Divinyi T. Fogorv Sz 1984 Feb;77(2):41–5 (Eng. Abstr.) (Hun)
[The use of antibiotics in dento-alveolar surgery] Simon G, et al. Fogorv Sz 1983 Oct;76(10):289–94 (Eng. Abstr.) (Hun)
[Evaluation of the use of cephalexin monohydrate in postoperative prophylaxis in oral surgery] Polastri F, et al. Minerva Stomatol 1983 Jul–Aug;32(4):617–21 (15 ref.) (Eng. Abstr.) (Ita)
[Photographic processing system for radiography in dentistry and maxillofacial surgery] Re G, et al.
Minerva Stomatol 1983 Jul–Aug;32(4):583–6 (0 ref.) (Eng. Abstr.) (Ita)
[Future of antibiotic therapy in various fields of medicine. 8. Dentistry and oral surgery] Tamai K. Nippon Rinsho 1984 Mar;42(3):624–8 (Jpn)
[Centralized patient rehabilitation in surgical dentistry] Derbina MM, et al. Stomatologiia (Mosk) 1984 Jan–Feb; 63(1):64–6 (Eng. Abstr.) (Rus)
[Autotransfusion in the practice of surgical dentistry] Iunuskhodzhaev E, et al. Stomatologiia (Mosk) 1983 Sep–Oct;62(5):60–3 (Eng. Abstr.) (Rus)
[Evaluation of the adequacy of premedication with droperidol, dipidolor and seduxen in oral surgery operations] Shugailov IA, et al. Stomatologiia (Mosk) 1984 Mar–Apr;63(2):33–5 (Eng. Abstr.) (Rus)
[Combined anesthesia using subnarcotic doses of ketamine in dental surgical interventions] Starodubtsev VS, et al. Stomatologiia (Mosk) 1984 Jul–Aug;63(4):51–4 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Postoperative complications in oral surgery. A study of cases treated during 1980. Nordenram A. Swed Dent J 1983; 7(3):109–14

EDUCATION

Eighteen years and then? Broadway RT. Br Dent J 1983 Dec 10;155(11):372
[Preparation of a lecture on oral surgery based on a combination of rational and emotional approaches] Bernadskii IuI, et al. Stomatologiia (Mosk) 1984 Jan–Feb; 63(1):84–5 (Rus)
[Teaching problems of deontology in a department of oral surgery] Ermolov VF, et al. Stomatologiia (Mosk) 1983 Jul–Aug;62(4):76 (Rus)
[Use of the International Histological Classification of Tumors in the teaching of oral surgery] Rud'ko VF, et al. Stomatologiia (Mosk) 1984 May–Jun;63(3):82–5 (Rus)

INSTRUMENTATION

New retractor for increasing visibility and reducing operating time of intraoral vertical oblique osteotomy. Petri WH 3d. Milit Med 1984 Jan;149(1):24–5

MANPOWER

Manpower imbalance in oral surgery [letter] Br Dent J 1984 Jan 7;156(1):6
Manpower imbalance in oral surgery [letter] Avery BS.
Br Dent J 1984 Jun 23;156(12):431
Manpower imbalance in oral surgery [letter] Carroll MJ.
Br Dent J 1984 May 19;156(10):349–50
Imbalance of manpower in oral surgery [letter] Wood GD.
Br Dent J 1983 Nov 5;155(9):290–1

METHODS

Oral surgery procedures for the handicapped. Church LE.
J R Soc Health 1984 Apr;104(2):47–51
[Cryotherapy: the question of indications for its use in dentistry] Ragot JP. Actual Odontostomatol (Paris) 1984 Jun;146:251–63 (Eng. Abstr.) (Fre)
[The platysma musculocutaneous flap. Its use in transmaxillary buccopharyngectomies] Delerm A, et al.
Ann Chir Plast Esthet 1984;29(1):38–41 (Eng. Abstr.) (Fre)
[Round table 'Electrosurgery in today's practice'] Bouchier G, et al. Rev Odontostomatol (Paris) 1983 Nov–Dec; 12(6):432–40 (Fre)

REHABILITATION

[Organization of offices for the rehabilitation of dental surgery patients] Lur'e TM, et al. Stomatologiia (Mosk) 1984 Jul–Aug;63(4):73–5 (Rus)

TRENDS

Future of oral surgery [letter] Aust Dent J 1984 Feb; 29(1):57–9
Future of oral surgery [letter] Fitzpatrick B. Aust Dent J 1983 Oct;28(5):320
The future of oral and maxillofacial surgery. Guralnick W.
Br Dent J 1984 Jul 21;157(2):51–4
Responses to future of oral and maxillofacial surgery [letter]
J Am Dent Assoc 1984 Apr;108(4):460, 462
Changing specialty of oral and maxillofacial surgery [letter] Douglas BL. J Am Dent Assoc 1984 Jan;108(1):8

SURGERY, ORAL, PREPROSTHETIC

Hydroxylapatite, beta tricalcium phosphate, and autogenous and allogeneic bone for filling periodontal defects, alveolar ridge augmentation, and pulp capping. Council on Dental Materials, Instruments, and Equipment Council on Dental Research Council on Dental Therapeutics.
J Am Dent Assoc 1984 May;108(5):822, 825, 827 passim
A radiographic method for measuring augmented alveolar ridges. Rothstein SS, et al. J Oral Maxillofac Surg 1984 Jan;42(1):61–3
Mastication after surgical reconstruction of the mandibular residual ridge. Renaud M, et al. J Oral Rehabil 1984 Jan; 11(1):79–84
Staple implant through bone graft at inferior border of mandible. Chin DC. Oral Surg 1983 Nov;56(5):477–9

ADVERSE EFFECTS

Early bone grafting in complete cleft lip and palate cases following maxillofacial orthopedics. II. The soft tissue development from seven to thirteen years of age. Larson O, et al. Scand J Plast Reconstr Surg 1983;17(1):51–62

METHODS

A review of surgical procedures designed to increase the functional height of the resorbed alveolar ridge. Matras H. Int Dent J 1983 Dec;33(4):332–8
Localized ridge augmentation with hydroxylapatite: report of case. Cohen HV. J Am Dent Assoc 1984 Jan;108(1):54–6
Augmentation of rat mandibular ridge with demineralized bone implants. Kaban LB, et al. J Dent Res 1984 Jul; 63(7):998–1002
Augmentation of the atrophic maxilla with interpositional autogenous bone grafts. Piecuch JF, et al.
J Maxillofac Surg 1984 Jun;12(3):133–8
Histologic study of hydroxylapatite as an implant material for mandibular augmentation. Chang CS, et al.
J Oral Maxillofac Surg 1983 Nov;41(11):729–37
Long-term follow up of transoral rib grafts for mandibular atrophy. Davis WH, et al. J Oral Maxillofac Surg 1984 Sep;42(9):606–9
Augmentation of an atrophic edentulous mandible by interpositional grafting with hydroxylapatite. Frame JW, et al. J Oral Maxillofac Surg 1984 Feb;42(2):89–92
Alveolar ridge augmentation using nonresorbable hydroxylapatite with or without autogenous cancellous bone. Kent JN, et al. J Oral Maxillofac Surg 1983 Oct; 41(10):629–42
Use of hydroxylapatite for the augmentation of deficient alveolar ridges. Rothstein SS, et al.
J Oral Maxillofac Surg 1984 Apr;42(4):224–30
Preprosthetic improvement of the alveolar region by grafting with attached oral mucosa. Griffiths WG, et al.
J Prosthet Dent 1984 Jul;52(1):5–8
Surgical modification of the hyperplastic anterior maxillary ridge. Keagle JG, et al. J Prosthet Dent 1984 Jun; 51(6):748–50
Surgical and prosthodontic reconstruction of the severely handicapped edentulous patient. Masella R, et al.
J Prosthet Dent 1983 Sep;50(3):377–83
Review of surgical ridge augmentation procedures for the atrophied mandible. Van Sickels JE, et al.
J Prosthet Dent 1984 Jan;51(1):5–10 (34 ref.)
HTR (hard tissue replacement) for edentulous ridge augmentation. Ashman A, et al. NY J Dent 1983 Dec; 53(8):387–92
Implantation of bladevents and corevents into an iliac crest augmented ridge. Linkow LI. NY J Dent 1983 Dec; 53(8):383–6
Biomaterials for alveolar ridge maintenance and augmentation. Legeros RZ, et al. NY State Dent J 1983 Oct;49(8):570–5 (77 ref.)
Early bone grafting in complete cleft lip and palate cases following maxillofacial orthopedics. I. The method and the skeletal development from seven to thirteen years of age. Nordin KE, et al. Scand J Plast Reconstr Surg 1983; 17(1):33–50
[Reconstructive alveoloplasty. Interventions for alveolar crest augmentation.1 A clinical note] Magnani G, et al.
Minerva Stomatol 1984 Jan–Feb;33(1):187–9 (Eng. Abstr.) (Ita)
[Augmentation of the alveolar ridge of the maxillary bone with a rib transplant] Kobler P, et al.
Chir Maxillofac Plast 1983;13(1):19–23 (Eng. Abstr.) (Ser)

SURGERY, OUTPATIENT see AMBULATORY SURGERY

SURGERY, PLASTIC

Surgical treatment of maxillocraniofacial deformities. Kobus K, et al. Acta Chir Plast (Prague) 1984;26(1):11–29
Attempt to reconstruct the auricle using the ear cartilage from a living donor. Krutchinskij GV, et al.
Acta Chir Plast (Prague) 1984;26(2):100–6
Specificities of skin plastic operations in the perianal, perineal and surrounding regions. Temelkov T, et al.
Acta Chir Plast (Prague) 1983;25(3):146–54
A technique for reduction mammoplasty. Andrews JM.
Aesthetic Plast Surg 1984;8(1):55–8
The value of anatomical study of the platysma muscle in cervical lifting. Cardoso de Castro C.
Aesthetic Plast Surg 1984;8(1):7–11
Recurrent Mondor's disease after augmentation

mammoplasty. Elsahy NI. **Aesthetic Plast Surg** 1983; 7(4):259–60

The bilateral conchal cartilage graft: a new technique in augmentation rhinoplasty. Muenker R. **Aesthetic Plast Surg** 1984;8(1):37–42

Reduction mammoplasty and mastopexy: a personal technique. Nicolle FV. **Aesthetic Plast Surg** 1984;8(1):43–50

Follow-up study of the reconstruction of microtia using Silastic frame. Ohmori S, et al. **Aesthetic Plast Surg** 1984; 8(1):1–6

Reduction mammoplasty: some observations and reflections. Strömbeck JO. **Aesthetic Plast Surg** 1983;7(4):249–51

Asymmetries of the breast: a classification system. Vandenbussche F. **Aesthetic Plast Surg** 1984;8(1):27–36

The coronal brow lift. Fett DR, et al. **Am J Ophthalmol** 1983 Dec;96(6):751–4

Rehabilitation of newly reconstructed thumb. Pho RW, et al. **Ann Acad Med Singapore** 1983 Jul;12(3):380–6

Angres permalid-liner method: a new surgical procedure. Angres GG. **Ann Ophthalmol** 1984 Feb;16(2):145–8

Re: Brown et al: use of autologous blood [letter] **Ann Plast Surg** 1983 Nov;11(5):452

Correction of webbed neck defects. Agris J, et al. **Ann Plast Surg** 1983 Oct;11(4):299–307

Muscular plastic for aesthetic conformation of abdominal girdle. Appiani E. **Ann Plast Surg** 1984 Aug;13(2):97–106

Nasal degloving injuries. Hallock GG. **Ann Plast Surg** 1984 Jun;12(6):537–41

Reconstruction of a lower eyelid defect using the temporalis muscle. Hallock GG. **Ann Plast Surg** 1984 Aug; 13(2):157–62

Anterior cranial fossa tumors. Jackson IT, et al. **Ann Plast Surg** 1983 Dec;11(6):479–89

The skull as a bone graft donor site. Jackson IT, et al. **Ann Plast Surg** 1983 Dec;11(6):527–32

An interview with Clarence Monroe, M.D. [interview by Desmond A. Kernahan] Monroe C. **Ann Plast Surg** 1983 Nov;11(5):443–6

An interview with John C. Mustardé, F.R.C.S. conducted by Lars M. Vistnes, M.D., F.R.C.S. Mustardé JC. **Ann Plast Surg** 1983 Aug;11(2):144–8

Postmastectomy breast reconstruction with a trilobe cutaneous pattern. Ross DA, et al. **Ann Plast Surg** 1984 Aug;13(2):126–34

Bilateral oblique facial cleft. Sano S, et al. **Ann Plast Surg** 1983 Nov;11(5):434–7

Subcutaneous mastectomy: current state of the art. Woods JE. **Ann Plast Surg** 1983 Dec;11(6):541–50

Congenital unilateral hypoplasia of the female breast associated with a large melanotic spot: report of two cases. Zubowicz V, et al. **Ann Plast Surg** 1984 Feb;12(2):204–6

Scleroderma, primary biliary cirrhosis, and Sjögren's syndrome after cosmetic breast augmentation with silicone injection: a case report of possible human adjuvant disease. Okano Y, et al. **Ann Rheum Dis** 1984 Jun;43(3):520–2

Intradermal implantation of bovine collagen. Humoral immune responses associated with clinical reactions. Siegle RJ, et al. **Arch Dermatol** 1984 Feb;120(2):183–7

512 rhytidectomies. A retrospective study. Kamer FM, et al. **Arch Otolaryngol** 1984 Jun;110(6):368–70

Gillies' corner stitch revisited. McQuown SA, et al. **Arch Otolaryngol** 1984 Jul;110(7):450–3

Lidocaine v bupivacaine in facial plastic surgery. A clinical trial. Maimon WN, et al. **Arch Otolaryngol** 1984 Aug; 110(8):525–8

Functional and aesthetic consequences of total platysma resection. Sachs ME, et al. **Arch Otolaryngol** 1984 Jul; 110(7):448–9

Basic oculoplastic surgery. Milverton EJ. **Aust J Ophthalmol** 1984 Feb;12(1):83–9

Breast implants. Rayner CR. **Br J Hosp Med** 1983 Oct; 30(4):243–4, 246–7

The injured ear: a review of 50 cases. Bardsley AF, et al. **Br J Plast Surg** 1983 Oct;36(4):466–9

The results of breast reconstruction following mastectomy. Cooper GG, et al. **Br J Plast Surg** 1984 Jul;37(3):369–72

Latissimus dorsi myocutaneous free flap vascularised by an extra-anatomic graft in the lower limb following traumatic disruption of the popliteal artery. Fisher J, et al. **Br J Plast Surg** 1983 Oct;36(4):480–2

Some uses of hexcelite as a splintage material in plastic and burns surgery. Green AR, et al. **Br J Plast Surg** 1984 Apr; 37(2):241–6

Reconstruction of the zygoma, temporo-mandibular joint and mandible using a compound pectoralis major osteo-muscular flap. Jones NF, et al. **Br J Plast Surg** 1983 Oct;36(4):491–7

The vascular features of plexiform neurofibroma with some observations on the importance of pre-operative angiography and the value of pre-operative intra-arterial embolisation. Littlewood AH, et al. **Br J Plast Surg** 1983 Oct;36(4):501–6

Breast reconstruction. State of the art. Dinner MI, et al. **Cancer** 1984 Feb 1;53(3 Suppl):809–14

Plastic and reconstructive surgery in otolaryngology [editorial] Bull TR. **Clin Otolaryngol** 1984 Apr;9(2):65–6

Symposium on advances in breast reconstruction. **Clin Plast Surg** 1984 Apr;11(2):229–390

Symposium on aesthetic neck lift. **Clin Plast Surg** 1983 Jul; 10(3):361–591

Immediate reconstruction of the breast following modified radical mastectomy for carcinoma of the breast. Georgiade GS. **Clin Plast Surg** 1984 Apr;11(2):383–8

Contemporary options in the operative treatment of breast cancer. Rozin RR, et al. **Clin Plast Surg** 1984 Apr; 11(2):231–6

Surgery for the congenitally malformed external ear. Bogdasarian RS, et al. **Ear Nose Throat J** 1983 Dec; 62(12):635–43

The lower trapezius myocutaneous flap for head and neck reconstruction. Dinner MI, et al. **Head Neck Surg** 1983 Sep–Oct;6(1):613–7

Face lift, part 2: Etiology of platysma cording and its relationship to treatment. Webster RC, et al. **Head Neck Surg** 1983 Sep–Oct;6(1):590–5

Face lift, Part 3: Plication of the superficial musculoaponeurotic system. Webster RC, et al. **Head Neck Surg** 1983 Nov–Dec;6(2):696–701

Plastic surgery update. Part one: facial surgery. Swartz RM, et al. **IMJ** 1984 Mar;165(3):195–200 (9 ref.)

Cosmetic surgery—an overview [editorial] Prendiville JB. **Ir Med J** 1984 Jun;77(6):155–6

Shave excision and plastic molding [letter] Brooks NA. **J Am Acad Dermatol** 1984 Mar;10(3):529–30

Injectable collagen implant—update. Castrow FF 2d, et al. **J Am Acad Dermatol** 1983 Dec;9(6):889–93

On the advent of dermatologic plastic surgery [editorial] Field LM. **J Am Acad Dermatol** 1983 Oct;9(4):596–8

Hypnosis as a primary anesthetic in reconstructive and cosmetic facial surgery. Zysman SA, et al. **J Am Soc Psychosom Dent Med** 1983;30(3):102–6

Basal-cell carcinoma of the eyebrow region. Dzubow LM. **J Dermatol Surg Oncol** 1984 Aug;10(8):609–14

Revision of a depressed scar. Harahap M. **J Dermatol Surg Oncol** 1984 Mar;10(3):206–9

Coping with the complexities of informed consent in dermatologic surgery. Redden EM, et al. **J Dermatol Surg Oncol** 1984 Feb;10(2):111–6

Nail bed repair and reconstruction by reverse dermal grafts. Clayburgh RH, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):594–8

Abdominoplasty. Graham JK. **J La State Med Soc** 1983 Jul; 135(7):11–3

Breast reconstruction following mastectomy. Bostwick J 3d. **J Med Assoc Ga** 1983 Jul;72(7):507–8

Collagen pretest. Pierce HE. **J Natl Med Assoc** 1984 Mar; 76(3):304–5

Collagen implant: an early assessment. Ellis DA, et al. **J Otolaryngol** 1984 Aug;13(4):267–70

Burns and plastic surgery in the South Atlantic campaign 1982. Chapman CW. **J R Nav Med Serv** 1983 Summer; 69(2):71–9

Lasers in plastic and general surgery. Aronoff BL. **Med Instrum** 1983 Nov–Dec;17(6):415–6

Breast conservation and breast reconstruction [letter] Sundstrup B. **Med J Aust** 1983 Nov 26;2(11):538–9

The pectoralis major myocutaneous flap in the primary reconstruction of oro-facial defects. Krishnan MM, et al. **Med J Malaysia** 1983 Jun;38(2):126–30

Informed consent in plastic surgery. Golan J, et al. **Med Law** 1983;2(2):113–5

The use of the laser in plastic surgery. Weissman F. **Mich Med** 1984 Jun;83(30):283–4

Tarsal polishing and mucous membrane grafting for cicatricial entropion, trichiasis and epidermalization. McCord CD Jr, et al. **Ophthalmic Surg** 1983 Dec; 14(12):1021–5

Ophthalmic consequences in chain-saw facial injuries. Yeatts RP, et al. **Ophthalmic Surg** 1984 Feb;15(2):128–31

The practice of aesthetic surgery [letter] **Plast Reconstr Surg** 1983 Dec;72(6):920–3

The meaning of surgical margins. Abide JM, et al. **Plast Reconstr Surg** 1984 Mar;73(3):492–7

Humpty Dumpty on capsular contracture and complications [editorial] Brody GS. **Plast Reconstr Surg** 1984 Apr; 73(4):658–9

A statistical method for determining the suitability for cosmetic surgery [editorial] Christ JE. **Plast Reconstr Surg** 1984 Jan;73(1):124–5

Thinking before incising [letter] Cremone JC Jr. **Plast Reconstr Surg** 1984 Mar;73(3):500

Malar augmentation [letter] del Rio Legarreta J. **Plast Reconstr Surg** 1984 Jan;73(1):157–8

Response to Dr. Baker's presidential address [letter] Frileck SP. **Plast Reconstr Surg** 1984 Jun;73(6):1000–1

Consultation for breast reconstruction [editorial] Goldwyn RM. **Plast Reconstr Surg** 1984 May;73(5):818–9

Presidential address. Mirror, mirror on the wall. Gorney M. **Plast Reconstr Surg** 1984 Jul;74(1):117–22

Adrenaline as a time saver [letter] Johnson HA. **Plast Reconstr Surg** 1984 Jan;73(1):156

Clinical variations in the utilization of Zyderm I and II [letter] Kaplan EN. **Plast Reconstr Surg** 1984 Feb;73(2):329

Postoperative alopecia in a woman after a lengthy plastic surgical procedure. Kosanin RM, et al. **Plast Reconstr Surg** 1984 Feb;73(2):308–9

Orbital abscess following blepharoplasty. Rees TD, et al. **Plast Reconstr Surg** 1984 Jan;73(1):126–7

Symmastia: the problem of medial confluence of the breasts. Spence RJ, et al. **Plast Reconstr Surg** 1984 Feb;73(2):261–9

A psychological profile of women selected for augmentation mammaplasty. Schlebusch L, et al. **S Afr Med J** 1983 Sep 24;64(13):481–3

Adjustment of the contralateral breast following breast reconstruction. Asplund O, et al. **Scand J Plast Reconstr Surg** 1983;17(3):225–32

Nipple and areola reconstruction. A study in 79 mastectomized women. Asplund O. **Scand J Plast Reconstr Surg** 1983;17(3):233–40

Some general surgical principles as applied to aesthetic surgery. Pers M. **Scand J Plast Reconstr Surg** 1983; 17(3):187–90

Immediate reconstruction in the treatment of primary carcinoma of the breast. Frazier TG, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):413–4

The surgery of beauty. Wallace AF. **Trans Med Soc Lond** 1981–82;98:17–23

Reconstruction of abdominal wall and mons pubis in females with bladder exstrophy. Anderl H, et al. **Urology** 1983 Sep; 22(3):247–50

[Report of 55 cases of free forearm flap transplantation for the repair of maxillofacial defects] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):84–6 (Chi)

[Esthetic operations in children with Down's syndrome] Bouman FG. **Ned Tijdschr Geneeskd** 1983 Dec 17; 127(51):2338–9 (Dut)

[A new weapon in plastic surgery: the cutaneous aponeurotic flap. Its application in the repair of tissue losses of the lower limb. Apropos of 10 cases] Gréco JM, et al. **Ann Chir Plast Esthet** 1983;28(3):211–24 (Eng. Abstr.) (Fre)

[Experimental surgery at the Boucicaut Hospital in 1982] Mitz V. **Ann Chir Plast Esthet** 1983;28(3):294–7 (Eng. Abstr.) (Fre)

[Use of a peripheral vasoconstrictor: ornithine-8-vasopressin (POR 8) in plastic and esthetic surgery] Mouly R, et al. **Ann Chir Plast Esthet** 1983;28(4):390–2 (Eng. Abstr.) (Fre)

[Autotransfusion: value in plastic surgery. Technic and indications] Nicoletis C, et al. **Ann Chir Plast Esthet** 1983; 28(3):274–6 (Eng. Abstr.) (Fre)

[Breast reconstruction without prosthesis by an abdominal musculocutaneous flap connected to the rectus abdominis] Petit JY, et al. **Ann Chir Plast Esthet** 1983;28(3):283–6 (Eng. Abstr.) (Fre)

[Toward a more natural umbilicus in abdominoplasties] Wlodarczyk B, et al. **Ann Chir Plast Esthet** 1984;29(1):90–1 (Eng. Abstr.) (Fre)

[Prepuce plastic surgery, known as the Lille operation, in distal hypospadias. Apropos of 138 cases] Wallon P, et al. **Chir Pediatr** 1984;25(1):53–7 (Eng. Abstr.) (Fre)

[Tumor of the scalp invading the skull. Status after scalp removal and Reverdin's grafts] Maillard GF, et al. **Schweiz Rundsch Med Prax** 1984 Apr 17;73(16):503–5 (Eng. Abstr.) (Fre)

[Plastic surgery] **Arch Otorhinolaryngol [Suppl]** 1983;2:60–73 (Ger)

[Pre-invasive tumors and precancerous conditions of the breast: subcutaneous mastectomy and reconstruction-plasty. Indications and results] Bohmert H. **Chirurg** 1984 Mar;55(3):152–61 (Ger)

[The extent of physician's responsibility in the recovery of amputated limbs. Court decision on the question of plastic and reconstructive hand surgery] Kern BR. **Chirurg** 1984 Feb;55(2):128–30 (Ger)

[Results of follow-up examinations after reduction mammoplasty] Werner C, et al. **Geburtshilfe Frauenheilkd** 1983 Sep;43(9):567–72 (Eng. Abstr.) (Ger)

[Mammoplasty planning using the Strömbeck technic] Eckert P. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):122–6 (Eng. Abstr.) (Ger)

[Long-term results following breast augmentation] Herndl E, et al. **Handchir Mikrochir Plast Chir** 1984 Jun; 16(2):118–21 (Eng. Abstr.) (Ger)

[Aspiration lipectomy, a status determination] Kesselring UK. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):115–7 (Eng. Abstr.) (Ger)

[Immediate breast reconstruction following mastectomy for carcinoma] Köhnlein HE. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):149–51 (Eng. Abstr.) (Ger)

[Adipose tissue in plastic surgery] Smahel J. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):111–4 (Eng. Abstr.) (Ger)

[Possibilities for using the tensor fasciae latae flap] Vossmann H. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):131–4 (Eng. Abstr.) (Ger)

[Plastic surgery – injuries of the face and extremities. Indications and surgical technic for primary reconstruction. a) The face] **Langenbecks Arch Chir** 1983;361:659–81 (Ger)

[Porous synthetic materials in external ear reconstruction] Berghaus A, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul; 62(7):320–7 (Eng. Abstr.) (Ger)

[Variability of island flaps for closure of cervicofacial defects] Krisch A. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul; 62(7):334–7 (Eng. Abstr.) (Ger)

[Late results of corrective surgery of prominent auricles] Rasinger GA, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul;62(7):328–30 (Eng. Abstr.) (Ger)

[Plastic surgery in the ENT area in childhood] Staindl O. **Laryngol Rhinol Otol (Stuttg)** 1984 Mar;63(3):105–8 (Eng. Abstr.) (Ger)

[Surgery of juvenile external ear abnormalities] Weerda H. **Laryngol Rhinol Otol (Stuttg)** 1984 Mar;63(3):120–2 (Eng.

Abstr.) (Ger)
[Psychosomatic effect of mammoplasty] Badura HO. **Psychother Psychosom Med Psychol** 1983 Sep;33(5):179–82 (Eng. Abstr.) (Ger)
[Psychosocial aspects of breast reconstruction after mastectomy] Buddeberg C, et al. **Schweiz Rundsch Med Prax** 1984 Apr 17;73(16):507–10 (Eng. Abstr.) (Ger)
[Plastic reconstruction of complex deformities in the orbital region] Clodius L. **Schweiz Rundsch Med Prax** 1984 Apr 17;73(16):497–501 (Eng. Abstr.) (Ger)
[Facial plastic surgery in Down's syndrome] Wexler MR, et al. **Harefuah** 1984 May 15;106(10):439–43 (Eng. Abstr.) (Heb)
[New prospects of tissue synthesis in plastic surgery] Donati L, et al. **Minerva Chir** 1983 Oct 15;38(19):1505–6 (Ita)
[Treatment of granulating wounds in plastic surgery] Donati L, et al. **Minerva Chir** 1983 Oct 15;38(19):1527–30 (Ita)
[Use of low-potency lasers in plastic surgery] Tagliabue P, et al. **Minerva Med** 1984 Feb 11;75(5):177–84 (Eng. Abstr.) (Ita)
[Reconstruction after cancer surgery of head and neck region] Bretteville G, et al. **Tidsskr Nor Laegeforen** 1983 Oct 20;103(29):1978–81, 91 (Eng. Abstr.) (Nor)
[Use of an ointment containing levomycetin, methyluracil and aloe extract in plastic operations with transplantation of free flaps of the mucosa or skin] Krasnikov PG. **Oftalmol Zh** 1984;(1):14–6 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis in plastic surgery of the breast] Vishnevskiĭ AA, et al. **Sov Med** 1984;(3):36–41 (Eng. Abstr.) (Rus)
[Prolonged intra-arterial infusions of antibiotics and plastic operations in the treatment of severe injuries of the extremities complicated by infection] Kazarezov MV, et al. **Vestn Khir** 1983 Sep;131(9):90–4 (Eng. Abstr.) (Rus)
[Oblique facial clefts] Koželj V. **Chir Maxillofac Plast** 1983; 13(1):3–10 (Eng. Abstr.) (Slv)

ADVERSE EFFECTS

Carcinoma in augmented breasts. Gottlieb V, et al. **Ann Plast Surg** 1984 Jan;12(1):67–9
Delayed extrusion of inflatable breast prosthesis [letter] Schmidt GH. **Ann Plast Surg** 1984 Jan;12(1):96
Clinical spectrum of connective tissue disease after cosmetic surgery. Observations on eighteen patients and a review of the Japanese literature. Kumagai Y, et al. **Arthritis Rheum** 1984 Jan;27(1):1–12
Complications of cervicofacial rhytidectomy. Baker DC. **Clin Plast Surg** 1983 Jul;10(3):543–62
Long-term study of complications of neck lift. Guerrerosantos J, et al. **Clin Plast Surg** 1983 Jul; 10(3):563–72
Complications of breast reconstruction. Scheflan M, et al. **Clin Plast Surg** 1984 Apr;11(2):343–50
Paraffinomas of the breast. Alagaratnam TT, et al. **J R Coll Surg Edinb** 1983 Jul;28(4):260–3
Autoimmune disease developing after augmentation mammoplasty: report of 3 cases. Fock KM, et al. **J Rheumatol** 1984 Feb;11(1):98–100
Silicone pneumonitis [letter] Manresa JM, et al. **Lancet** 1983 Dec 10;2(8363):1373
Cutaneous necrosis after rhytidectomy [letter] Braddock SW. **Plast Reconstr Surg** 1984 Jun;73(6):998
Inflammation and silicone prostheses [letter] Cocke WM Jr. **Plast Reconstr Surg** 1984 Aug;74(2):314
Effect of implants on chest wall [letter] Jobe RP. **Plast Reconstr Surg** 1983 Dec;72(6):919–20
Inguinal lymphocele as a complication of thighplasty. Leitner DW, et al. **Plast Reconstr Surg** 1983 Dec;72(6):878–81
Treatment of temporal scalp wound separation in the rhytidectomy patient. Vecchione TR. **Plast Reconstr Surg** 1984 May;73(5):837–9
[Complications and failures of otoplasty] Sénéchal B, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(7):493–8 (Eng. Abstr.) (Fre)
[Treatment of lip deformities secondary to unilateral chyloplasty] Modolin M, et al. **Rev Paul Med** 1984 May-Jun;102(3):125–8 (Eng. Abstr.) (Por)

ECONOMICS

Who pays for cosmetic revisional surgery? [letter] McKinney P. **Plast Reconstr Surg** 1984 Mar;73(3):502

EDUCATION

Guest editor's introduction to the Emory issue. Jurkiewicz MJ. **Ann Plast Surg** 1984 Feb;12(2):98–9
The history of Baylor College of Medicine affiliated residency in plastic surgery. Spira M, et al. **Ann Plast Surg** 1983 Oct;11(4):268–72
Fellowship training in facial plastic and reconstructive surgery [editorial] Holt GR. **Arch Otolaryngol** 1984 Feb; 110(2):70–1
Specialist FRCS in plastic surgery: irritating irrelevance or desirable diploma? Kay Kilner prize essay: 1983. Timmons MJ. **Br J Plast Surg** 1984 Jul;37(3):303–6

HISTORY

Sushruta Samhita (Sushruta's Collection) (800–600 B.C.?). Pioneers of plastic surgery. Hauben DJ. **Acta Chir Plast (Prague)** 1984;26(2):65–8
Abdominoplasty: peri- and supra-umbilical lipectomy. Hakme F. **Aesthetic Plast Surg** 1983;7(4):213–20
Milestones in modern plastic surgery. A study of the vascularization of experimental bone grafts by means of radioactive phosphorus and the transparent chamber. By Clifford L. Kiehn, Frank Cebul, Marvin Berg, James Gutentag and Donald M. Glover. 1952. **Ann Plast Surg** 1984 Mar;12(3):287–95
Milestones in modern plastic surgery. Restoration of function and balance of the wrist and hand by tendon transfers. By William L. White, M.D. 1960. **Ann Plast Surg** 1984 Jun; 12(6):547–68
Milestones in modern plastic surgery. Method of preventing raw area on nasal surface of soft palate in push-back surgery. By Thomas D. Cronin. 1957. **Ann Plast Surg** 1984 Aug;13(2):163–71
Address at dinner honoring William L. White, M.D. Goldwyn RM. **Ann Plast Surg** 1984 Jun;12(6):569–72
The development of plastic surgery during the past sixty years. Hamm WG. **Ann Plast Surg** 1984 Feb;12(2):102–4
An interview with Joseph E. Murray, M.D. conducted by Joel M. Noe, M. D. Murray JE. **Ann Plast Surg** 1984 Jan; 12(1):84–9
History of the discovery of the musculocutaneous flap method as a universal and immediate substitute for the method of delay. Orticochea M. **Br J Plast Surg** 1983 Oct; 36(4):524–8
Joseph: the father of plastic surgery. The first Joseph lecture, April 1983. Wallace AF. **Br J Plast Surg** 1984 Jul; 37(3):412–20
Julien Bourguet. The pioneer in aesthetic surgery of the neck. Marchac D. **Clin Plast Surg** 1983 Jul;10(3):363–5
History and plastic surgery: systems of recovering our past. Morain WD. **Clin Plast Surg** 1983 Oct;10(4):595–601
John Staige Davis: pioneer American plastic surgeon. Sargent LA, et al. **Clin Plast Surg** 1983 Oct;10(4):653–6
The influence of the Battle of Jutland on plastic surgery. Wallace AF. **Clin Plast Surg** 1983 Oct;10(4):657–63
Plastic Surgery in the late 1920s. Three points of view. Zacher JB. **Clin Plast Surg** 1983 Oct;10(4):665–7
Priorities in plastic surgery. Freshwater MF. **Plast Reconstr Surg** 1984 Jun;73(6):987–90
Gatewood and the first thenar pedicle. Meals RA, et al. **Plast Reconstr Surg** 1984 Feb;73(2):315–9
Louis Ombredanne and the origin of muscle flap use for immediate breast mound reconstruction. Teimourian B, et al. **Plast Reconstr Surg** 1983 Dec;72(6):905–10
[Our surgical heritage. Aulus (Aurelius) Cornelius Celsus (25 B.C. – 50 A.D.) – father of plastic surgery] Hauben DJ. **Zentralbl Chir** 1984;109(6):441–3 (Ger)
[Our surgical heritage. Pioneers of plastic surgery in the Renaissance (1)] Hauben DJ. **Zentralbl Chir** 1984; 109(9):631–7 (Ger)

INSTRUMENTATION

Hooked forceps. Peled IJ. **Ann Plast Surg** 1984 Apr; 12(4):385–6
Skin fish hook. Peled IJ. **Ann Plast Surg** 1984 Jun;12(6):573
Lower-eyelid distractor. Liu D, et al. **Plast Reconstr Surg** 1984 Jan;73(1):137–9
Thermal danger of Steinmann pins [letter] Reiffel RS. **Plast Reconstr Surg** 1984 Jun;73(6):995–6
Instant photography [letter] Ship AG. **Plast Reconstr Surg** 1984 Mar;73(3):501–2
Umbrella-tipped suction cannula [letter] Uysal T. **Plast Reconstr Surg** 1983 Nov;72(5):736
[Our experience with the use of a helium-neon and infrared middle-power laser in plastic, reparative and esthetic surgery. Preliminary study of 57 cases] Amar R. **Ann Chir Plast Esthet** 1984;29(2):187–200 (Eng. Abstr.) (Fre)
[External fixation as an aid in plastic surgery] Steinig HJ, et al. **Zentralbl Chir** 1984;109(1):42–8 (Eng. Abstr.) (Ger)

METHODS

Reconstruction of scalp defects by means of combined plasty and tubed flaps. Bondar VS. **Acta Chir Plast (Prague)** 1984; 26(2):94–9
Clinical features and treatment of bilateral cicatrical deformities of the eyelids. Khitrov FM, et al. **Acta Chir Plast (Prague)** 1984;26(2):84–93
Abdominoplasty: technical refinement and analysis of 130 cases in 8 years' follow-up. Avelar JM. **Aesthetic Plast Surg** 1983;7(4):205–12
Aesthetic cervicofacial surgery for head and neck tumor patients. Barrett BM Jr, et al. **Aesthetic Plast Surg** 1984; 8(2):123–8
Breast reconstruction: a better skin pattern. Broadbent TR, et al. **Aesthetic Plast Surg** 1983;7(3):145–8
Suction curettage lipectomy. Chajchir A, et al. **Aesthetic Plast Surg** 1983;7(4):195–203
Body sculpturing by lipo-suction extraction. Dolsky RL. **Aesthetic Plast Surg** 1984;8(2):75–83
The various etiological factors of 'hard capsule' formation in breast augmentations. Ferreira JA. **Aesthetic Plast Surg** 1984;8(2):109–17
Umbilicoplasty: conversion of 'outie' to 'innie'. Hodgkinson DJ. **Aesthetic Plast Surg** 1983;7(4):221–2
Preservation of the female sideburn. Lewis CM. **Aesthetic Plast Surg** 1984;8(2):91–6
Surgical and conservative repair of Stahl's ear. Nakajima T, et al. **Aesthetic Plast Surg** 1984;8(2):101–7
Blepharoplasty in Japan. Onizuka T, et al. **Aesthetic Plast Surg** 1984;8(2):97–100
A critical study of the approaches for the insertion of mammary prosthesis. Peixoto G. **Aesthetic Plast Surg** 1984; 8(2):85–9
Lipo-suction. 'New wave' plastic surgery. Baj PA. **Am J Nurs** 1984 Jul;84(7):892–3
Reconstruction of the breast: where do we fall short? An evolution of ideas. Vasconez LO, et al. **Am J Surg** 1984 Jul;148(1):103–10
A new approach to bilateral cleft lip repair. Lee ST. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):347–51
Mastopexy and breast reduction in Asians. Neri JB. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):456–9
Rhytidectomy in orientals. Onizuka T, et al. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):452–5
Philtrum formation in cleft lip surgery. Reichert H. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):337–40
Reconstruction of the vermillion for bilateral complete cleft lip. Takahashi H, et al. **Ann Acad Med Singapore** 1983 Apr; 12(2 Suppl):352–8
Radical muscle mobilisation in surgery for a unilateral cleft lip. Thatte RL. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):341–6
Acquired ptosis in patients undergoing upper eyelid blepharoplasty. Patipa M, et al. **Ann Ophthalmol** 1984 Mar; 16(3):266, 268–70
Bilateral cleft lip repair: 'putting it all together'. Black PW, et al. **Ann Plast Surg** 1984 Feb;12(2):118–27
Cleft lip nasal deformity. Broadbent TR, et al. **Ann Plast Surg** 1984 Mar;12(3):216–34
Three dermal pedicles for nipple-areola complex movement in reduction of gigantomastia. Cardoso AD, et al. **Ann Plast Surg** 1984 May;12(5):419–27
T abdominoplasty to remove multiple scars from the abdomen. Cardoso de Castro C, et al. **Ann Plast Surg** 1984 Apr;12(4):369–73
An unusual approach to a case of breast asymmetry. Cronin ED, et al. **Ann Plast Surg** 1984 May;12(5):461–5
Upper transverse rectus abdominis flap: the flag flap. De la Plaza R, et al. **Ann Plast Surg** 1984 May;12(5):410–8
The improvement of the gummy smile using the implant spacer technique. Ellenbogen R, et al. **Ann Plast Surg** 1984 Jan;12(1):16–24
Lateral facial clefts: closure with W-plasty and implications of speech and language development. Habal MB, et al. **Ann Plast Surg** 1983 Sep;11(3):182–7
The tri-plane face lift dissection. Hamra ST. **Ann Plast Surg** 1984 Mar;12(3):268–74
Abdominal wall competence in transverse abdominal island flap operations. Hartrampf CR Jr. **Ann Plast Surg** 1984 Feb;12(2):139–46
Breast reconstruction: a review. Kincaid SB. **Ann Plast Surg** 1984 May;12(5):431–48 (129 ref.)
Flexibility in face lift technique. Lewis JR Jr. **Ann Plast Surg** 1984 Feb;12(2):157–70
The 'maxi-SMAS': management of the platysma bands in rhytidectomy. McKinney P, et al. **Ann Plast Surg** 1984 Mar;12(3):260–7
Musculocutaneous flap or muscle flap and skin graft? Nahai F, et al. **Ann Plast Surg** 1984 Feb;12(2):199–203
The 'SMAS sling': an additional fixation in face lift surgery. Randall P, et al. **Ann Plast Surg** 1984 Jan;12(1):5–9
Reconstruction of breasts following mastectomy with polyurethane-covered, gel-filled prostheses. Schatten WE. **Ann Plast Surg** 1984 Feb;12(2):147–56
Maintaining the first knot in instrument tying. Wittels NP. **Ann Plast Surg** 1984 May;12(5):483–4
Augmentation mentoplasty with polyamide mesh. Update. Beekhuis GJ. **Arch Otolaryngol** 1984 Jun;110(6):364–7
Reconsideration of fat pad management in lower lid blepharoplasty surgery. Cook TA, et al. **Arch Otolaryngol** 1984 Aug;110(8):521–4
Autologous fascia grafts in head and neck plastic surgery. Everton DM, et al. **Arch Otolaryngol** 1984 Jul; 110(7):458–62
The face-lift incision. Johnson CM Jr, et al. **Arch Otolaryngol** 1984 Jun;110(6):371–3
Muscle transposition for facial reanimation. Indications and results. May M. **Arch Otolaryngol** 1984 Mar;110(3):184–9
Submental liposuction extraction with hard chin augmentation. Newman J, et al. **Arch Otolaryngol** 1984 Jul; 110(7):454–7
Repair of head and neck defects with thin and double-lined pectoralis flaps. Smith PG, et al. **Arch Otolaryngol** 1984 Jul;110(7):468–73
Skin grafts in intraoral reconstruction. A new stenting method. Teichgraeber J, et al. **Arch Otolaryngol** 1984 Jul; 110(7):463–7
Reconstruction of the lower lid. Steinkogler FJ. **Br J Ophthalmol** 1984 Jul;68(7):507–10
Use of large composite grafts in the reconstruction of deformities of the nose and ear. Avelar JM, et al. **Br J Plast Surg** 1984 Jan;37(1):55–60
A multiple territory free tissue transfer for reconstruction of a large scalp defect. Batchelor AG, et al. **Br J Plast Surg** 1984 Jan;37(1):76–9
The pressure button: a refinement of the traditional 'tie-over' dressing. Burd DA. **Br J Plast Surg** 1984 Jan;37(1):127–9
Peri-alar skin excision and lip advancement in the closure

of lip defects. Earley MJ. **Br J Plast Surg** 1984 Jan; 37(1):50–1

Mammaplasty: a technique of comprehensive correction of the ptotic breast. Ho LC, et al. **Br J Plast Surg** 1983 Oct; 36(4):510–8

Total reconstruction of the burned face. The Bradshaw Lecture 1958. McIndoe AH. **Br J Plast Surg** 1983 Oct; 36(4):410–20

Reconstruction of the lower lip with a fan-shaped flap based on the facial artery. Nakajima T, et al. **Br J Plast Surg** 1984 Jan;37(1):52–4

A fortuitous donor site for full-thickness skin grafts in the correction of syndactyly. Rowsell AR, et al. **Br J Plast Surg** 1984 Jan;37(1):31–4

Secondary correction of the unilateral cleft lip nose deformity. Tolhurst DE. **Br J Plast Surg** 1983 Oct; 36(4):449–54

Fasciotomy and Z-plasty in the management of Dupuytren's contracture. Watson JD. **Br J Plast Surg** 1984 Jan; 37(1):27–30

Y to V instead of Z to N. Ebbehøj J. **Burns Incl Therm Inj** 1983 Nov;10(2):121–3

Immediate reconstruction of the breast after mastectomy. Is it safe? Webster DJ, et al. **Cancer** 1984 Mar 15;53(6):1416–9

Hand reconstruction. Yu ZJ, et al. **Chin Med J [Engl]** 1983 Apr;96(4):243–6

Symposium on body contouring surgery. **Clin Plast Surg** 1984 Jul;11(3):391–568

Observations on cervical rhytidectomy–platysmaplasty. Appiani E. **Clin Plast Surg** 1983 Jul;10(3):479–90

Reconstruction of the breast by tissue expansion. Argenta LC. **Clin Plast Surg** 1984 Apr;11(2):257–64

Platysma–SMAS cervicofacial rhytidoplasty. Aston SJ. **Clin Plast Surg** 1983 Jul;10(3):507–20 (42 ref.)

A ten-year experience with reduction mammoplasty and abdominoplasty. What is happening in our part of the world? Baran NK, et al. **Clin Plast Surg** 1984 Jul; 11(3):479–89

Body sculpturing. Baroudi R. **Clin Plast Surg** 1984 Jul; 11(3):419–43

Direct alternatives for neck skin redundancy in males. Biggs TM, et al. **Clin Plast Surg** 1983 Jul;10(3):423–8

Concepts of neck lift. Biggs TM, et al. **Clin Plast Surg** 1983 Jul;10(3):367–78

Breast reconstruction with the latissimus dorsi musculocutaneous flap. Cohen BE, et al. **Clin Plast Surg** 1984 Apr;11(2):287–302

Surgical correction of aesthetic contour problems of the neck. Connell BF, et al. **Clin Plast Surg** 1983 Jul;10(3):491–505

Morbid obesity. Davis TS. **Clin Plast Surg** 1984 Jul; 11(3):517–24

The operative technique of the transverse abdominal island flap for breast reconstruction. Dinner MI, et al. **Clin Plast Surg** 1984 Apr;11(2):317–31

Breast reconstruction without skin flaps. Dowden RV, et al. **Clin Plast Surg** 1984 Apr;11(2):265–75

The risks of suction lipectomy. Their prevention and treatment. Gargan TJ, et al. **Clin Plast Surg** 1984 Jul; 11(3):457–63

Immediate reconstruction of the breast following modified radical mastectomy for carcinoma of the breast. Georgiade GS. **Clin Plast Surg** 1984 Apr;11(2):383–8

Secondary hip–buttock–thigh plasty. Guerrerosantos J. **Clin Plast Surg** 1984 Jul;11(3):491–503

Neck lift. Simplified surgical technique, refinements, and clinical classification. Guerrerosantos J. **Clin Plast Surg** 1983 Jul;10(3):379–404

Illouz's technique of body contouring by lipolysis. Illouz YG. **Clin Plast Surg** 1984 Jul;11(3):409–17

Breast shaping procedures, abdominoplasty, and thighplasty in Australia. Isaacs G. **Clin Plast Surg** 1984 Jul;11(3):525–48 (21 ref.)

Body contouring with suction lipectomy. Kesselring UK. **Clin Plast Surg** 1984 Jul;11(3):393–408

Surgical considerations in managing the remaining breast during postmastectomy breast reconstruction. Labandter HP, et al. **Clin Plast Surg** 1984 Apr;11(2):365–8

Superficial fascia rhytidectomy. A restoration of the SMAS with control of the cervicomental angle. Lemmon ML. **Clin Plast Surg** 1983 Jul;10(3):449–78

Nipple-areola reconstruction. Little JW 3d. **Clin Plast Surg** 1984 Apr;11(2):351–64

Posterior auricular nerve preservation, double chin leveling, and earlobe reimplantation during neck lifts. Loeb R. **Clin Plast Surg** 1983 Jul;10(3):405–22

Selection of secondary breast reconstruction procedures. Maxwell GP. **Clin Plast Surg** 1984 Apr;11(2):253–6

SMAS–platysma facelift. A bidirectional cervicofacial rhytidectomy. Owsley JQ Jr. **Clin Plast Surg** 1983 Jul; 10(3):429–40

Plastic surgery of the abdomen with improvement in the body contour. Physiopathology and treatment of the aponeurotic musculature. Psillakis JM. **Clin Plast Surg** 1984 Jul; 11(3):465–77

Secondary thigh-buttock deformities after classical techniques. Prevention and treatment. Regnault P, et al. **Clin Plast Surg** 1984 Jul;11(3):505–16

Prophylactic mastectomy with immediate reconstruction for the high-risk woman. Rubin LR. **Clin Plast Surg** 1984 Apr; 11(2):369–81

The lower thoracic advancement technique in breast reconstruction. Ryan JJ. **Clin Plast Surg** 1984 Apr; 11(2):277–86

Building a breast without a prosthesis. The transverse abdominal island flap. Scheflan M. **Clin Plast Surg** 1984 Apr;11(2):303–15

Lipexheresis (liposuction) for body contouring. Schrudde J. **Clin Plast Surg** 1984 Jul;11(3):445–56

Microvascular free flap breast reconstruction. Shaw WW. **Clin Plast Surg** 1984 Apr;11(2):333–41

Japanese suction-assisted lipectomy. Shirakabe T. **Clin Plast Surg** 1984 Jul;11(3):549–65

The platysma muscle. Anatomic considerations for aesthetic surgery of the anterior neck. Vistnes LM, et al. **Clin Plast Surg** 1983 Jul;10(3):441–8

One surgeon's experience with surgical contouring of the neck. Weisman PA. **Clin Plast Surg** 1983 Jul;10(3):521–41

Expanded applications of platysma surgery. Wilkinson TS, et al. **Clin Plast Surg** 1983 Jul;10(3):573–87

Solcoderm as a tool for the plastic surgeon. The treatment of verrucae. Hettich R. **Dermatologica** 1984;168 Suppl 1:36–42

Secondary facial reconstructive procedures. Thomas JR, et al. **Ear Nose Throat J** 1983 Aug;62(8):421–32

The mastectomy defect. A philosophy of reconstruction. Bostwick J, et al. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):145–8

Breast construction in Poland's syndrome. Case report. Eriksson E. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):152–3

Approach to and reconstruction for lesions of the posterior third of the tongue via midline labiomandibular glossotomy. Alperin KM, et al. **Head Neck Surg** 1984 Jan–Feb; 6(3):744–50

Closure of large orbital–maxillary defects with free latissimus dorsi myocutaneous flaps. Baker SR. **Head Neck Surg** 1984 Mar–Apr;6(4):828–35

Reconstruction for cervical irradiation ulcers with myocutaneous flaps. Strawberry CW, et al. **Head Neck Surg** 1984 Mar–Apr;6(4):836–41

Face lift, part 5: suspending sutures for platysma cording. Webster RC, et al. **Head Neck Surg** 1984 Mar–Apr; 6(4):870–9

Face lift, Part 4: Use of superficial musculoaponeurotic system suspending sutures. Webster RC, et al. **Head Neck Surg** 1984 Jan–Feb;6(3):780–91

Plastic surgery update. Part two: Cosmetic surgery for breasts, trunk and extremities. Swartz RM, et al. **IMJ** 1984 Apr;165(4):269–75

Facelift surgery update: suction-assisted rhytidectomy and other improvements. Chrisman BB, et al. **J Dermatol Surg Oncol** 1984 Jul;10(7):544–8

Lipo-suction surgery: a review. Field LM. **J Dermatol Surg Oncol** 1984 Jul;10(7):530–8 (40 ref.)

Injectable collagen update. Klein AW, et al. **J Dermatol Surg Oncol** 1984 Jul;10(7):519–22

Tattoo removal using serial tangential excision and polyurethane membrane dressing. Wheeland RG, et al. **J Dermatol Surg Oncol** 1983 Oct;9(10):822–6

Functioning free muscle transplantation. Manktelow RT, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):32–9

Ring finger transfer in reconstruction of transmetacarpal amputations. Morrison WA, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):4–11

Reduction mammoplasty. Graham JK. **J La State Med Soc** 1983 Sep;135(9):22–4

Rhomboid-to-'W' technique for excision and closure of facial skin lesions. Izaguirre H, et al. **J Maxillofac Surg** 1983 Oct; 11(5):207–10

Repair of facial defects with advancement-rotation flaps. Lawson VG. **J Otolaryngol** 1983 Aug;12(4):246–8

Suction assisted lipectomy. Maguire CP. **J SC Med Assoc** 1984 Jul;80(7):328–30

The early treatment and reconstruction of eyelid burns. Frank DH, et al. **J Trauma** 1983 Oct;23(10):874–7

Superior based trapezius flap. Donald PJ, et al. **Laryngoscope** 1984 Jul;94(7):969–73

Nasal tip surgery—a simple technique to aid in symmetry. Giunta SX. **Laryngoscope** 1984 Jul;94(7):974–6

Broken geometrical pattern used for facial scar revision. Harnick DB. **Laryngoscope** 1984 Jun;94(6):841–2

Reconstruction of the tongue. Mikaelian DO. **Laryngoscope** 1984 Jan;94(1):34–7

A simple prosthesis for correction of cryptotia. Muraoka M, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):243–8

Thin haired coronal lift W-plasty incision. Newman J, et al. **Laryngoscope** 1984 Mar;94(3):407–9

Immediate total scalp and skull reconstruction. Smith PJ, et al. **Microsurgery** 1983;4(1):23–7

Thumb reconstruction in the era of microsurgery: case reports. Lichtman DM, et al. **Milit Med** 1984 May; 149(5):246–50

Breast reconstruction following mastectomy. Georgiade G, et al. **NC Med J** 1984 Feb;45(2):81–5

The role of the argon laser in plastic surgery. Riefkohl R. **NC Med J** 1984 Apr;45(4):220–1

Prevention of blindness after blepharoplasty. Callahan MA. **Ophthalmology (Rochester)** 1983 Sep;90(9):1047–51

Avoidance of complications in lower lid blepharoplasty. McCord CD Jr, et al. **Ophthalmology (Rochester)** 1983 Sep; 90(9):1039–46

Levator aponeurosis surgery for the correction of acquired ptosis. Analysis of 113 procedures. Older JJ. **Ophthalmology (Rochester)** 1983 Sep;90(9):1056–9

Facial contouring after trauma. Cassisi NJ, et al. **Otolaryngol Clin North Am** 1983 Aug;16(3):709–16

Primary and late plastic repair of soft tissue injuries. Farrior RT, et al. **Otolaryngol Clin North Am** 1983 Aug; 16(3):697–708

Inframammary pulse generator placement for maximizing cosmetic effect. Belott PH, et al. **PACE** 1983 Nov; 6(6):1241–4

Gummy smile [letter] **Plast Reconstr Surg** 1984 Apr; 73(4):697–8

Eye-liner implants: a new cosmetic procedure. Angres GG. **Plast Reconstr Surg** 1984 May;73(5):833–6

Severe self-mutilation of hands in a nonpsychotic, nonretarded patient. Arons MS, et al. **Plast Reconstr Surg** 1984 Aug;74(2):282–6

Cross-leg fasciocutaneous flaps. Barclay TL, et al. **Plast Reconstr Surg** 1983 Dec;72(6):843–7

Breast reconstruction using an inflatable breast implant with detachable reservoir. Becker H. **Plast Reconstr Surg** 1984 Apr;73(4):678–83

Double Z-plasty for rhombic defects [letter] Becker H. **Plast Reconstr Surg** 1983 Dec;72(6):917

Augmentation of the atrophic mandible with a vascularized rib graft. Bloom CY, et al. **Plast Reconstr Surg** 1984 May; 73(5):820–3

Reconstruction of the nipple: a new technique. Bosch G, et al. **Plast Reconstr Surg** 1984 Jun;73(6):977–81

The inner arm fasciocutaneous flap. Budo J, et al. **Plast Reconstr Surg** 1984 Apr;73(4):629–32

Experience with the transverse lower rectus abdominis operation for breast reconstruction. Bunkis J, et al. **Plast Reconstr Surg** 1983 Dec;72(6):819–29

Forearm flap in one-stage reconstruction of the penis. Chang TS, et al. **Plast Reconstr Surg** 1984 Aug;74(2):251–8

Coverage of wounds in the distal lower leg by advancement of an enlarged medial gastrocnemius skin flap. Cheng HH, et al. **Plast Reconstr Surg** 1984 Apr;73(4):671–7

Suction lipectomy: a retrospective analysis of 100 patients. Courtiss EH. **Plast Reconstr Surg** 1984 May;73(5):780–96

Latissimus dorsi free flaps in the elderly: an alternative to below-knee amputation. Dabb RW, et al. **Plast Reconstr Surg** 1984 Apr;73(4):633–40

Surgical treatment of the epicanthal fold. del Campo AF. **Plast Reconstr Surg** 1984 Apr;73(4):566–71

The L-shaped combined vertical and transverse abdominal island flap for breast reconstruction. Dinner MI, et al. **Plast Reconstr Surg** 1983 Dec;72(6):894–8

Breast reduction for asymmetrical hypertrophy. Dowden RV, et al. **Plast Reconstr Surg** 1984 Jun;73(6):928–32

The bladder flap for urethral reconstruction in total phalloplasty. Edgerton MT, et al. **Plast Reconstr Surg** 1984 Aug;74(2):259–66

Tailoring of the new breast using the transverse abdominal island flap. Elliott LF, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):887–93

Correction of thin lips: 'lip lift'. Fanous N. **Plast Reconstr Surg** 1984 Jul;74(1):33–41

Blepharochalasis after a bee sting. Finney JL, et al. **Plast Reconstr Surg** 1984 May;73(5):830–2

Lipodissection in body sculpturing: the dry procedure. Fournier PF, et al. **Plast Reconstr Surg** 1983 Nov; 72(5):598–609

Suction-assisted lipectomy, suction lipectomy, lipolysis, and lipexeresis. Grazer FM. **Plast Reconstr Surg** 1983 Nov; 72(5):620–3

Mastectomy reconstruction without a prosthetic implant. Hokin JA. **Plast Reconstr Surg** 1983 Dec;72(6):810–18

Successful replantation of an amputated upper lip. Höltje WJ. **Plast Reconstr Surg** 1984 Apr;73(4):664–70

Body contouring by lipolysis: a 5-year experience with over 3000 cases. Illouz YG. **Plast Reconstr Surg** 1983 Nov; 72(5):591–7

Eyelid reconstruction [letter] Jones HW. **Plast Reconstr Surg** 1984 Jun;73(6):994

Parotid fascia and face lifting: a critical evaluation of the SMAS concept. Jost G, et al. **Plast Reconstr Surg** 1984 Jul;74(1):42–51

Earlobe repair: a new technique. Kalimuthu R, et al. **Plast Reconstr Surg** 1984 Aug;74(2):299–300

Regional fat aspiration for body contouring. Kesselring UK. **Plast Reconstr Surg** 1983 Nov;72(5):610–9

Cartilage tube formation by perichondrium: a new concept for tracheal reconstruction. Kon M, et al. **Plast Reconstr Surg** 1983 Dec;72(6):791–7

Early surgery for craniofacial synostosis: an 8-year experience. McCarthy JG, et al. **Plast Reconstr Surg** 1984 Apr;73(4):521–33

Intracranial enlargement of the orbital cavity and palpebral remodeling for orbitopalpebral neurofibromatosis. Marchac D. **Plast Reconstr Surg** 1984 Apr;73(4):534–43

Degloving injury to hand [letter] Martini DZ. **Plast Reconstr Surg** 1984 Aug;74(2):314

Free latissimus dorsi muscle flap with skin graft for treatment of traumatic chronic bony wounds. May JW Jr, et al. **Plast Reconstr Surg** 1984 Apr;73(4):641–51

Reconstruction of vermilion in unilateral and bilateral cleft lips. Noordhoff MS. **Plast Reconstr Surg** 1984 Jan; 73(1):52–61

Methods to improve old results of punch hair grafting. Nordström RE. **Plast Reconstr Surg** 1983 Dec;72(6):803–9

Nihil sub sole novi [letter] Proserpi SV. **Plast Reconstr Surg** 1984 Jun;73(6):998

Some thoughts on suction-assisted lipectomy. Reed LS. **Plast Reconstr Surg** 1983 Nov;72(5):624-6
A rationale for modifying the site of insertion of the cricochea pharyngoplasty. Riski JE, et al. **Plast Reconstr Surg** 1984 Jun;73(6):882-94
Local arterialized island flap coverage of difficult hand defects preserving donor digit sensibility. Rose EH. **Plast Reconstr Surg** 1983 Dec;72(6):848-58
Management of burn contractures of the perineum. Sawhney CP. **Plast Reconstr Surg** 1983 Dec;72(6):837-42
Free periosteal graft repair of maxillary clefts in adolescents. Schultz RC. **Plast Reconstr Surg** 1984 Apr;73(4):556-65
Silicone implant under a skin graft for breast reconstruction after radical mastectomy. Siegel R. **Plast Reconstr Surg** 1983 Nov;72(5):720-3
Improvement of the 'young' fatty neck. Singer R. **Plast Reconstr Surg** 1984 Apr;73(4):582-9
Disposable cautery as source of batteries [letter] Smoot EC. **Plast Reconstr Surg** 1983 Nov;72(5):736-7
The aesthetics of ear placement [letter] Tanzer RC. **Plast Reconstr Surg** 1984 Apr;73(4):702-3
The extended deep inferior epigastric flap: a clinical technique. Taylor GI, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):751-65
Face and neck suction-assisted lipectomy associated with rhytidectomy. Teimourian B. **Plast Reconstr Surg** 1983 Nov;72(5):627-33
Polaroids and plastic surgery [letter] Vinelli FR. **Plast Reconstr Surg** 1983 Dec;72(6):917-8
Primary veloplasty [letter] Witzel MA, et al. **Plast Reconstr Surg** 1984 Jun;73(6):997-8
Breast reconstruction with submuscular prosthesis after modified radical or simple mastectomy. Surgical technique and early complications. Asplund O. **Scand J Plast Reconstr Surg** 1983;17(2):141-6
Electric oral burns in Danish children with special reference to prevention. Fogh-Andersen P, et al. **Scand J Plast Reconstr Surg** 1984;18(1):107-10
Simultaneous umbilicoplasty and closure of small omphaloceles. Ricketts RR, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):572-3
Plastic surgery for burns of the head and neck. Montandon D, et al. **Z Kinderchir** 1983 Apr;38 Suppl:19-22
[Modification of the Pitanguy method of reduction mammaplasty—planning and surgical technic (preliminary report)] Tepavicharova P. **Khirurgiia (Sofiia)** 1983; 36(5):413-8 (Eng. Abstr.) **(Bul)**
[Reconstruction of the hand] Yu ZJ. **Chung Hua I Hsueh Tsa Chih** 1983 Nov;63(11):673-5 (Eng. Abstr.) **(Chi)**
[Use of total and tunnel forehead flaps in reconstruction of defects after resection of oral and maxillofacial tumor] Qiu WL. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun; 18(2):70-3 **(Chi)**
[New approaches in the treatment of soft tissue defects] Stockarová D, et al. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):556-68 (Eng. Abstr.) **(Cze)**
[Initial experience with breast reconstruction using a myocutaneous flap] Stockarová D. **Rozhl Chir** 1983 Dec; 62(12):841-8 (Eng. Abstr.) **(Cze)**
[Protruding ears. A modified Stenström/Warrer plastic technic] Nielsen F, et al. **Ugeskr Laeger** 1984 Feb 13; 146(7):507-8 (Eng. Abstr.) **(Dan)**
[A case of hypertrophy of the earlobes] Schoofs M, et al. **Acta Chir Belg** 1984 Jan-Feb;84(1):43-50 (Eng. Abstr.) **(Fre)**
[Use of full-thickness auricular grafts in palpebral surgery] George JL, et al. **Bull Soc Ophtalmol Fr** 1983 Aug-Sep; 83(8-9):1057-61 (Eng. Abstr.) **(Fre)**
[Congenital absence of the vagina. Anatomo-clinical study and therapeutic results apropos of 93 cases] Lefranc JP, et al. **J Chir (Paris)** 1984 Apr;121(4):245-51 (Eng. Abstr.) **(Fre)**
[Surgical correction of turkey neck] Bonnefon A. **J Fr Otorhinolaryngol** 1983 Nov;32(9):571-4 **(Fre)**
[Double face-lifting] Bonnefon A. **J Fr Otorhinolaryngol** 1983 Oct;32(8):501-5 (Eng. Abstr.) **(Fre)**
[Personal technic and value of an operation with a functional purpose in major aplasias of the ear] Cotin G. **J Fr Otorhinolaryngol** 1983 Nov;32(9):578-80 **(Fre)**
[Palliative treatment of longstanding facial paralysis. Use of cutaneous plastic surgery] Capdeville P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):67-8 (Eng. Abstr.) **(Fre)**
[Possibilities of excision offered by new repair technics in tumors of the oral cavity] Meley M, et al. **Rev Otoneuroophtalmol** 1983 Oct-Dec;55(5):371-86 (Eng. Abstr.) **(Fre)**
[Pregnancy and cosmetic surgery] Brodeur A, et al. **Union Med Can** 1984 Mar;113(3):169-71, 164 (Eng. Abstr.) **(Fre)**
[Preliminary report of the results of syndactyly surgery] Helbig B, et al. **Handchir Mikrochir Plast Chir** 1984 Mar; 16(1):44-7 (Eng. Abstr.) **(Ger)**
[Syndactylia results] Rolle A, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):52-5 (Eng. Abstr.) **(Ger)**
[Correction of the auricle] Walter C. **HNO** 1983 Nov; 31(11):381-6 (Eng. Abstr.) **(Ger)**
[Surgical treatment of prominent auricle, presentation of a tested procedure] Kastenbauer [illegible]. **Laryngol Rhinol Otol (Stuttg)** 1983 Nov;62(11):512-5 (Eng. Abstr.) **(Ger)**
[Our experiences with Glenn-Anderson's and Cohen's antireflux plastic surgery in vesico-ureteral reflux] Albescu IV, et al. **Urologe [Ausg A]** 1983 Nov;22(6):443-5 (Eng. Abstr.) **(Ger)**
[Helicoid plasty in the treatment of phimosis] Codega G, et al. **Minerva Chir** 1983 Nov 30;38(22):1903-7 (Eng. Abstr.) **(Ita)**
[Approaches for extra- and intraoral surgical intervention in correcting dysgnathia with severe underdevelopment of the middle third of the face] Ferronato G. **Minerva Stomatol** 1983 Nov-Dec;32(6):851-60 (Eng. Abstr.) **(Ita)**
[Scrotoplasty for repair of prepenile scrotum] Mori Y, et al. **Hinyokika Kiyo** 1983 Feb;29(2):199-206 (Eng. Abstr.) **(Jpn)**
[Restoration of eyebrows lost as a result of burns] Iudenich VV, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):99-103 (Eng. Abstr.) **(Rus)**
[Surgical correction of the aging face] Tepavicharova P, et al. **Khirurgiia (Sofiia)** 1983;36(6):523-7 (Eng. Abstr.) **(Rus)**
[Radionuclide studies of reparative osteogenesis during modeling the shape of the leg] Sveshnikov AA, et al. **Med Radiol (Mosk)** 1984 Jul;29(7):8-11 (Eng. Abstr.) **(Rus)**
[Plastic repair of facial and neck defects with a complex flap incorporating the greater pectoral muscle] Nerobeev AI. **Stomatologiia (Mosk)** 1984 Jul-Aug;63(4):41-4 (Eng. Abstr.) **(Rus)**
[Results of treating bilateral congenital cleft lip using the modified Hagedorn-Barsky method] Dots VI, et al. **Vestn Khir** 1984 Feb;132(2):92-5 (Eng. Abstr.) **(Rus)**
[Plastic surgery of the arteries using autologous veins in free transplantation of combined flaps with microvascular anastomoses] Krylov VS, et al. **Vestn Khir** 1983 Dec; 131(12):47-50 (Eng. Abstr.) **(Rus)**
[Timing of reconstructive surgery after removal of malignant maxillofacial and laryngeal neoplasms] Balon LR. **Vopr Onkol** 1984;30(3):60-7 (Eng. Abstr.) **(Rus)**
[Surgical treatment of facial defects due to deep burns] Brkić E. **Chir Maxillofac Plast** 1983;13(2-3):91-104 (Eng. Abstr.) **(Scr)**
[Covering facial defects using an island flap with a subcutaneous pedicle. V. Y advancement] Matulić Z, et al. **Chir Maxillofac Plast** 1982;12(1):21-6 (Eng. Abstr.) **(Scr)**
[Pectoralis major island flap in head and neck reconstruction] Virag M. **Chir Maxillofac Plast** 1982;12(1):11-20 (Eng. Abstr.) **(Scr)**
[Use of the compound trapezius osteomyocutaneous flap in face and mouth reconstruction] Zajc I. **Chir Maxillofac Plast** 1982;12(1):27-31 (Eng. Abstr.) **(Scr)**
[Sterno-cleido-clavicular pedical flap in the reconstruction of the mandible] Kralj Z, et al. **Lijec Vjesn** 1983 Sep; 105(9):369-72 (Eng. Abstr.) **(Scr)**
[Reconstruction of the mandible: when, how and why?] Virag M. **Lijec Vjesn** 1983 Sep;105(9):373-6 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

The meaning of concepts related to breast reconstruction. Clifford E, et al. **Ann Plast Surg** 1984 Jul;13(1):34-7
Psychological considerations in breast reconstruction. Goldberg P, et al. **Ann Plast Surg** 1984 Jul;13(1):38-43
SAFE: a practical guide to psychological factors in selecting patients for facial cosmetic surgery. Lavell S, et al. **Ann Plast Surg** 1984 Mar;12(3):256-9
Psychosocial issues in breast reconstruction. Intrapsychic, interpersonal, and practical concerns. Schain WS, et al. **Clin Plast Surg** 1984 Apr;11(2):237-51
Breast reconstruction; a patient's view [letter] Levison J. **Plast Reconstr Surg** 1984 Apr;73(4):703
Postrhytidectomy psychosis: a rare complication. Schweitzer I, et al. **Plast Reconstr Surg** 1984 Sep;74(3):419-22
The psychological impact of immediate breast reconstruction for women with early breast cancer. Stevens LA, et al. **Plast Reconstr Surg** 1984 Apr;73(4):619-28
Psychiatric consultation in plastic surgery: the surgeon's perspective. Greer DM. **Psychosomatics** 1984 Jun;25(6):470, 472-4
Psychiatric consultation in plastic surgery: the psychiatrist's perspective. Mohl PC. **Psychosomatics** 1984 Jun;25(6):471, 474-6
Personality characteristics of the cosmetic surgical insatiable patient. Groenman NH, et al. **Psychother Psychosom** 1983; 40(1-4):241-5
[Toward surgery of the individual. Reflexions on the psychologic aspects of plastic and reconstructive surgery] de Hann BB. **Schweiz Rundsch Med Prax** 1984 Apr 10; 73(15):469-72 (Eng. Abstr.) **(Fre)**

TRENDS

Lipo-suction surgery: history and development. Newman J, et al. **J Dermatol Surg Oncol** 1984 Jun;10(6):467-9
Plastic surgery in the year 2000. Edgerton MT. **Plast Reconstr Surg** 1984 Jun;73(6):965-8
Ethical and social concerns in facial surgical decision making. Strauss RP. **Plast Reconstr Surg** 1983 Nov;72(5):727-30
[Advances in plastic surgery] Eskeland G, et al. **Tidsskr Nor Laegeforen** 1983 Oct 20;103(29):1969-72 (Eng. Abstr.) **(Nor)**

VETERINARY

Cosmetic surgery creates a new breed: the San Simeon Stripback [editorial] McMillan FD. **Mod Vet Pract** 1984 Feb;65(2):84-6

SURGERY, VETERINARY see under **VETERINARY MEDICINE**

SURGICAL DIATHERMY see **ELECTROCOAGULATION**

SURGICAL EQUIPMENT

Harrington instrumentation for thoracic and lumbar vertebral fractures. Svensson O, et al. **Acta Orthop Scand** 1984 Feb; 55(1):38-47
A new drape support for ophthalmic surgery [letter] Taylor GA. **Am J Ophthalmol** 1984 Mar;97(3):391-3
An expandable surgical chamber for use in conditions of weightlessness. Rock JA. **Aviat Space Environ Med** 1984 May;55(5):403-4
A new auxiliary universal surgi-light. Berci G, et al. **Br J Surg** 1984 Feb;71(2):160
Splash basin contamination in orthopaedic surgery. Baird RA, et al. **Clin Orthop** 1984 Jul-Aug;(187):129-33
A controlled trial of a plastic wound ring drape to prevent contamination and infection in colorectal surgery. Nyström PO, et al. **Dis Colon Rectum** 1984 Jul;27(7):451-3
A description of the use of the Lloyd-Davies stirrups in restorative resection by stapling and abdominoperineal excision of the rectum. Thorlakson RH. **Dis Colon Rectum** 1984 Sep;27(9):627-9
The dynamic Morris biphase appliance for stabilization of flail facial bones. Morris DM, et al. **Head Neck Surg** 1983 Nov-Dec;6(2):702-5
A ventilation and surgical drape elevator device. Lipsky W. **J Am Intraocul Implant Soc** 1984 Winter;10(1):83-4
Potential hazard from surgical suction installations [letter] Shaw A, et al. **Lancet** 1984 Aug 4;2(8397):293
Instrumentation for urologic laser surgery. Sacknoff EJ. **Med Instrum** 1983 Nov-Dec;17(6):404-6
The hand table for pediatric microsurgery. Matloub HS, et al. **Microsurgery** 1983;4(3):182
Use of an anal sphincter pressure monitor during operations on the sacral spinal cord and nerve roots. Pang D, et al. **Neurosurgery** 1983 Nov;13(5):562-8
Lasers in medicine and surgery. McCaughan JS Jr, et al. **Ohio State Med J** 1984 Apr;80(4):322-3
Lamellar keratoplasty using a freezing platform. Clayton T, et al. **Ophthalmic Surg** 1984 Jul;15(7):592-5
Smoke evacuator for laser surgery. Miller GW, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):582-3
Comparison of the wedge turning frame and kinetic treatment table in the acute care of spinal cord injury patients. Brackett TO, et al. **Surg Neurol** 1984 Jul;22(1):53-6
New versatile operating room table and mobile C-arm fluoroscopic system. Wosnitzer M. **Urology** 1984 Apr; 23(4):399-401
[Treatment of detachments caused by giant tears and retinal inversion using a multiple decubitus table] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):699-702 (Eng. Abstr.) **(Fre)**
[Newly developed surgical table for hand surgery] Mannerfelt L. **Chirurg** 1983 Sep;54(9):621-2 **(Ger)**
[A device for determining precision of movement] Guk EP, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):56-7 **(Rus)**
[Elbow rests for the surgeon's arms with independent attachment to the operating table] Anisimov VF. **Med Tekh** 1983 Nov-Dec;(6):42-3 (Eng. Abstr.) **(Rus)**
[Experience with the use of specialized laser emitters in oncology] Pletnev SD, et al. **Sov Med** 1984;(3):30-2 (Eng. Abstr.) **(Rus)**
[Technical equipment for burn surgery] Bandakov LF. **Vestn Khir** 1984 Feb;132(2):65-7 **(Rus)**

HISTORY

[History of the development of laser surgery] Korepanov VI. **Sov Med** 1984;(3):61-5 **(Rus)**

STANDARDS

Demise of aseptic barrier committee: success and failure. Beck W, et al. **AORN J** 1983 Sep;38(3):384-8
Operating theatre and equipment. Bewes P. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1284-6
Liquid repellency and surgical fabric barrier properties. Olderman GM. **Eng Med** 1984 Jan;13(1):35-43
Electric infusion pole adjuster. Blankenship GW, et al. **Ophthalmic Surg** 1984 Apr;15(4):317-8
Compensating for thermally caused dimensional changes in the cryolathe. Safir A, et al. **Ophthalmic Surg** 1984 Apr; 15(4):306-9

VETERINARY

Large animal surgery table designed to match the needs of modern surgery. Cady JW. **Mod Vet Pract** 1982 Sep; 63(9):751-2

SURGICAL FLAPS

Application of forearm island flap to repair of hand injury. Hong GX, et al. **Acta Acad Med Wuhan** 1983;3(4):253–6
Reconstruction of scalp defects by means of combined plasty and tubed flaps. Bondar VS. **Acta Chir Plast (Prague)** 1984; 26(2):94–9
The effect of inadequate venous or arterial blood supply on the survival of abdominal islands flaps in rats. Heiner H, et al. **Acta Chir Plast (Prague)** 1984;26(1):1–10
Experience with trapezius myocutaneous and osteomyocutaneous flaps. Kenyeres M. **Acta Chir Plast (Prague)** 1984;26(1):39–51
The long-termed results of the plastic surgery of the eyelids and orbital region defects resulting from wartime firearms wounds. Zajkova MV, et al. **Acta Chir Plast (Prague)** 1983; 25(3):127–36
A rare case of absence of vagina with the presence of functioning uterus: surgical treatment. Jasonni VM, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):137–40
A clinico–experimental study on various wrapping materials of cerebral aneurysms. Ebina K, et al. **Acta Neurochir (Wien)** 1984;72(1–2):61–71
The repair of soft tissue defects in the lower leg. A comparison of different flap techniques. Riegels–Nielsen P, et al. **Acta Orthop Scand** 1983 Oct;54(5):772–6
The autogenous mucosal cyst. An experimental study with special reference to reconstructive surgery of the airway. Löfgren L, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):171–84
Microsurgery: replantation, and free flaps. Nahai F, et al. **Adv Surg** 1984;17:73–98 (77 ref.)
Cosmetic correction of alopecia. McCray MK, et al. **Am Fam Physician** 1983 Oct;28(4):207–14
Versatile sling–support for groin flap. Gwin CH, et al. **Am J Occup Ther** 1983 Aug;37(8):561–3
Combined viable composite graft and temporal semicircular skin flap procedure. Putterman AM. **Am J Ophthalmol** 1984 Sep 15;98(3):349–54
The pectoralis major myocutaneous flap in head and neck reconstruction. Analysis of complications. Mehrhof AI Jr, et al. **Am J Surg** 1983 Oct;146(4):478–82
Mandibular reconstruction in irradiated patients utilizing myosseous–cutaneous flaps. Pearlman NW, et al. **Am J Surg** 1983 Oct;146(4):474–7
Gracilis muscle flap for the persistent perineal sinus of inflammatory bowel disease. Ryan JA Jr. **Am J Surg** 1984 Jul;148(1):64–70
The island cheek flap: repair of cervical esophageal stricture and new extended indications. Sasaki TM, et al. **Am J Surg** 1984 May;147(5):650–3
Some observations on 112 pectoralis major myocutaneous flaps. Wilson JS, et al. **Am J Surg** 1984 Feb;147(2):273–9
Osteoradionecrosis of the chest wall. Management of postresection defects using Marlex mesh and a rotated latissimus dorsi myocutaneous flap. Hines GL, et al. **Am Surg** 1983 Nov;49(11):608–11
Anatomical basis for the use of the pectoralis major myocutaneous flap in reconstructive surgery. Ducasse A, et al. **Anat Clin** 1984;5(4):245–9
Anatomical basis for the use of muscle flaps in the leg. Mairesse JL, et al. **Anat Clin** 1984;6(1):11–5
Growth in width following pharyngeal flap surgery. Long RE Jr, et al. **Angle Orthod** 1984 Jan;54(1):55–66
Fasciocutaneous flaps in the leg. Arianayagam C, et al. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):436–40
A new fascial flap for use in craniofacial surgery. Avelar JM. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):382–7
Closure of post laryngectomy pharyngocutaneous fistula with sternocleidomastoid muscle flap. Gupta AK, et al. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):407–10
Pharyngo–oesophageal reconstruction by myocutaneous flaps. Meyer R, et al. **Ann Acad Med Singapore** 1983 Apr; 12(2 Suppl):402–6
One stage random pattern de–epithelialized 'turn over' flap in the treatment of complicated wounds of the leg. Thatte RL. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):441–5
Recent advances in reconstruction in the head and neck region. Wilson JS. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):396–401
Wound tension and blood flow in skin flaps. Larrabee WF Jr, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):112–5
The sleeve autograft in congenital cholesteatoma. Wehrs RE. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):571–6
Use of omental transposition flaps for soft–tissue reconstruction. Arnold PG, et al. **Ann Plast Surg** 1983 Dec; 11(6):508–12
Management of failed total hip arthroplasty with muscle flaps. Arnold PG, et al. **Ann Plast Surg** 1983 Dec; 11(6):474–8
The rhomboid–to–W flap. Becker H. **Ann Plast Surg** 1983 Aug;11(2):125–30
The rectus abdominis free flap for lower extremity reconstruction. Bunkis J, et al. **Ann Plast Surg** 1983 Nov; 11(5):373–80
Three dermal pedicles for nipple–areola complex movement in reduction of gigantomastia. Cardoso AD, et al. **Ann Plast Surg** 1984 May;12(5):419–27
Belaboring a principle. Chase RA. **Ann Plast Surg** 1983 Sep; 11(3):255–60
Coverage of the calvarium with a free parascapular flap. Chiu DT, et al. **Ann Plast Surg** 1984 Jan;12(1):60–6
Methods of providing sensation to anesthetic areas. Coleman JJ 3d, et al. **Ann Plast Surg** 1984 Feb;12(2):177–86
Neurovascular island flaps from the plantar vessels and nerves for foot reconstruction. Colen LB, et al. **Ann Plast Surg** 1984 Apr;12(4):327–32
The V–Y rotational flap for nasal tip defects. Cronin TD. **Ann Plast Surg** 1983 Oct;11(4):282–8
Upper transverse rectus abdominis flap: the flag flap. De la Plaza R, et al. **Ann Plast Surg** 1984 May;12(5):410–8
Re: Drever: lower abdominal transverse rectus abdominis myocutaneous flap for breast reconstruction [letter] Dinner MI, et al. **Ann Plast Surg** 1983 Nov;11(5):453–4
Refinements in the use of the transverse abdominal island flap for postmastectomy reconstruction. Dinner MI, et al. **Ann Plast Surg** 1983 Nov;11(5):362–72
Re: Dinner et al: refinements in use of transverse abdominal island flap [letter] Drever JM. **Ann Plast Surg** 1984 Jun; 12(6):575
A modified gluteus maximus musculocutaneous free flap based on the inferior gluteal vessels. Erk Y, et al. **Ann Plast Surg** 1983 Oct;11(4):344–6
The island pedicle rotation advancement gastrocnemius musculocutaneous flap for complete coverage of the popliteal fossa. Ersek RA, et al. **Ann Plast Surg** 1984 Jun; 12(6):533–6
The gluteus maximus musculocutaneous V–Y advancement flap for large sacral defects. Fisher J, et al. **Ann Plast Surg** 1983 Dec;11(6):517–22
Designing the latissimus dorsi free flap for knee coverage. Fisher J, et al. **Ann Plast Surg** 1983 Dec;11(6):554–62
Pelvic floor reconstruction using the rectus abdominis muscle flap. Giampapa V, et al. **Ann Plast Surg** 1984 Jul;13(1):56–9
The effect of hyaluronidase and dimethyl sulfoxide (DMSO) on experimental skin flap survival. Grossman JA, et al. **Ann Plast Surg** 1983 Sep;11(3):223–6
Re: Scheflan and Dinner: the transverse abdominal island flap [letter] Guthrie RH Jr. **Ann Plast Surg** 1983 Nov; 11(5):451–2
Denervated muscle flaps: mass and thickness changes following denervation. Hagerty R, et al. **Ann Plast Surg** 1984 Feb;12(2):171–6
Abdominal wall competence in transverse abdominal island flap operations. Hartrampf CR Jr. **Ann Plast Surg** 1984 Feb;12(2):139–46
Simultaneous bilateral staged groin flaps for coverage of mutilating injuries of the hand. Heath PM, et al. **Ann Plast Surg** 1983 Dec;11(6):462–8
A comparison of three techniques of palatorrhaphy: early speech results. Holtmann B, et al. **Ann Plast Surg** 1984 Jun;12(6):514–8
Standardization of the dorsal rat flap model. Hurn IL, et al. **Ann Plast Surg** 1983 Sep;11(3):210–3
Rectus abdominis muscle flaps for closure of osteomyelitis hip defects. Irons GB. **Ann Plast Surg** 1983 Dec; 11(6):469–73
Use of the omental free flap for soft–tissue reconstruction. Irons GB, et al. **Ann Plast Surg** 1983 Dec;11(6):501–7
The lateral upper arm flap: anatomy and clinical applications. Katsaros J, et al. **Ann Plast Surg** 1984 Jun;12(6):489–500
Surgical repair of large meningomyeloceles. Lehrman A, et al. **Ann Plast Surg** 1984 Jun;12(6):501–7
Island toe flaps in neurotrophic ulcers of the foot and ankle. Morain WD. **Ann Plast Surg** 1984 Jul;13(1):1–8
Musculocutaneous flap or muscle flap and skin graft? Nahai F, et al. **Ann Plast Surg** 1984 Feb;12(2):199–203
A retrospective study of thick split–thickness plantar skin grafts to resurface the palm. Nakamura K, et al. **Ann Plast Surg** 1984 Jun;12(6):508–13
The vascular supply to the skin: an anatomical and physiological reappraisal—Part II. Pearl RM, et al. **Ann Plast Surg** 1983 Sep;11(3):196–205
Tensor fascia lata musculocutaneous flap for abdominal wall reconstruction. Peled IJ, et al. **Ann Plast Surg** 1983 Aug; 11(2):141–3
Tissue pH monitoring in microsurgery: a preliminary evaluation of continuous tissue pH monitoring as an indicator of perfusion disturbances in microvascular free flaps. Raskin DJ, et al. **Ann Plast Surg** 1983 Oct;11(4):331–9
Effect of intraarterial prostacyclin on survival of skin flaps in the pig: biphasic response. Reus WF, et al. **Ann Plast Surg** 1984 Jul;13(1):29–33
Reduction mammaplasty with inferiorly based glandular flap [letter] Silversmith PE. **Ann Plast Surg** 1983 Sep;11(3):266
The conchal flap: an adjunct in otoplasty. Spira M, et al. **Ann Plast Surg** 1983 Oct;11(4):291–8
Secondary island composite flap: an experimental study in ear reconstruction. Stal S, et al. **Ann Plast Surg** 1983 Oct; 11(4):321–7
The superficial inferior epigastric artery flap for coverage of hand and forearm defects. Stevenson TR, et al. **Ann Plast Surg** 1984 Apr;12(4):333–9
Facial contour reconstruction with free flaps. Tweed AE, et al. **Ann Plast Surg** 1984 Apr;12(4):313–20
Upper–extremity free skin flap transfer: results and utility as compared with conventional distant pedicle skin flaps. Wood MB, et al. **Ann Plast Surg** 1983 Dec;11(6):523–6
Reconstruction of nonhealing perineal wounds with gracilis muscle flaps. Woods JE, et al. **Ann Plast Surg** 1983 Dec; 11(6):513–6
The use of pedicled transplants of sigmoid colon or other parts of the intestinal tract for vaginal reconstruction [letter] **Ann R Coll Surg Engl** 1984 May;66(3):223
Chest wall reconstruction. Experience with 100 consecutive patients. Arnold PG, et al. **Ann Surg** 1984 Jun;199(6):725–32
Coverage of the infected wound. Mathes SJ, et al. **Ann Surg** 1983 Oct;198(4):420–9
Sealing the postpneumonectomy space: use of a pectoralis major myodermal flap. de la Rocha AG, et al. **Ann Thorac Surg** 1984 Sep;38(3):221–6
Reversed subclavian flap angioplasty for arch coarctation of the aorta. Hart JC, et al. **Ann Thorac Surg** 1983 Dec; 36(6):715–7
Single–stage complete muscle flap closure of the postpneumonectomy empyema space: a new method and possible solution to a disturbing complication. Miller JI, et al. **Ann Thorac Surg** 1984 Sep;38(3):227–31
Microvascular reconstructive surgery: free tissue transfer. Cohen BE, et al. **AORN J** 1983 Oct;38(4):602–9
OR nurse's role during flap transfer. Moore BG. **AORN J** 1983 Oct;38(4):610–2
Limbus– v fornix–based conjunctival flap in trabeculectomy. A long–term randomized study. Shuster JN, et al. **Arch Ophthalmol** 1984 Mar;102(3):361–2
Tongue flap reconstruction of the hypopharynx. Calcaterra TC. **Arch Otolaryngol** 1983 Nov;109(11):750–2
Costal blood supply in free flap grafting. Donald PJ. **Arch Otolaryngol** 1984 Feb;110(2):99–102
Rotary–door flap in laryngotracheal reconstruction. Eliachar I, et al. **Arch Otolaryngol** 1984 Sep;110(9):585–90
Autologous fascia grafts in head and neck plastic surgery. Everton DM, et al. **Arch Otolaryngol** 1984 Jul; 110(7):458–62
Latissimus dorsi myocutaneous flap [letter] Lewinsky BS. **Arch Otolaryngol** 1984 May;110(5):341
Gillies' corner stitch revisited. McQuown SA, et al. **Arch Otolaryngol** 1984 Jul;110(7):450–3
Osteomyocutaneous reconstruction of the oral cavity. Maisel RH, et al. **Arch Otolaryngol** 1983 Nov;109(11):731–4
Creation of free flaps by arterialization of the venous system. Mundy JC, et al. **Arch Otolaryngol** 1984 Apr;110(4):221–3
Assessment of delay in bilateral thoracoabdominal island flaps in the rat. Norton KJ, et al. **Arch Otolaryngol** 1984 Oct; 110(10):660–3
Complications after pectoralis major myocutaneous flap reconstruction of head and neck defects. Ossoff RH, et al. **Arch Otolaryngol** 1983 Dec;109(12):812–4
The cheek–neck rotation flap for closure of temporozygomatic–cheek wounds. Patterson HC, et al. **Arch Otolaryngol** 1984 Jun;110(6):388–93
The deltopectoral flap v the pectoralis major myocutaneous flap. Which one? Price JC, et al. **Arch Otolaryngol** 1984 Jan;110(1):35–40
Immediate pharyngoesophageal reconstruction. Use of a quilted skin–grafted pectoralis major muscle flap. Robertson MS, et al. **Arch Otolaryngol** 1984 Jun; 110(6):386–7
Repair of head and neck defects with thin and double–lined pectoralis flaps. Smith PG, et al. **Arch Otolaryngol** 1984 Jul;110(7):468–73
Skin grafts in intraoral reconstruction. A new stenting method. Teichgraeber J, et al. **Arch Otolaryngol** 1984 Jul; 110(7):463–7
Managing the outer limits of reconstruction with microsurgical free tissue transfer. Banis JC Jr, et al. **Arch Surg** 1984 Jun;119(6):673–9
Treatment of severe leg wounds with muscle and musculocutaneous flaps. Zubowicz VN, et al. **Arch Surg** 1984 Aug;119(8):921–5
The disposable modified fornix flap for cataract surgery. Francis IC, et al. **Aust J Ophthalmol** 1984 Feb;12(1):57–9
A clinical study of the use of musculocutaneous island flaps for reconstruction in head and neck surgery. Englund R, et al. **Aust NZ J Surg** 1983 Oct;53(5):453–8
Anomalous right subclavian artery and coarctation of the aorta. Surgical implications and the use of the right subclavian artery as a flap. Odell JA, et al. **Br Heart J** 1984 Jun;51(6):666–9
Composite osteo–cutaneous groin flap for the reconstruction of wrist and forearm defects. Acartürk S, et al. **Br J Plast Surg** 1984 Jul;37(3):388–93
Effect of naftidrofuryl oxalate (Praxilene) on blood flow in the experimental saphenous flap model. Awwad AM, et al. **Br J Plast Surg** 1983 Oct;36(4):460–2
The salvage of congested skin flaps by the application of leeches. Batchelor AG, et al. **Br J Plast Surg** 1984 Jul; 37(3):358–60
The anatomical vascular basis of the axillary fascio–cutaneous pedicled flap. Cormack GC, et al. **Br J Plast Surg** 1983 Oct;36(4):425–7
A classification of fascio–cutaneous flaps according to their patterns of vascularisation. Cormack GC, et al. **Br J Plast Surg** 1984 Jan;37(1):80–7
The superficial external pudendal artery (SEPA) axial–pattern flap. Dias AD. **Br J Plast Surg** 1984 Apr; 37(2):256–61
A compound radial artery forearm flap in hand surgery: an original modification of the Chinese forearm flap. Foucher G, et al. **Br J Plast Surg** 1984 Apr;37(2):139–48
Potential problems with the transverse rectus abdominis myocutaneous flap in breast reconstruction and how to avoid them. Georgiade GS, et al. **Br J Plast Surg** 1984 Jan;37(1):121–5
A neurovascular island flap from the first web space of the

foot to repair a defect over the heel: case report. Gulyás G, et al. **Br J Plast Surg** 1984 Jul;37(3):398–401

The application of de-epithelialised 'turn-over' flaps to the treatment of inverted nipples. Haeseker B. **Br J Plast Surg** 1984 Apr;37(2):253–5

Splitting the prepuce to provide two independently vascularised flaps: a one-stage repair of hypospadias and congenital short urethra. Harris DL. **Br J Plast Surg** 1984 Jan;37(1):108–16

Lateral calcaneal artery island flaps. Holmes J, et al. **Br J Plast Surg** 1984 Jul;37(3):402–5

The antecubital fascio-cutaneous flap. Lamberty BG, et al. **Br J Plast Surg** 1983 Oct;36(4):428–33

The detrimental effect of cigarette smoking on flap survival: an experimental study in the rat. Lawrence WT, et al. **Br J Plast Surg** 1984 Apr;37(2):216–9

The use of a rectus abdominis myocutaneous flap to reconstruct a groin defect. Logan SE, et al. **Br J Plast Surg** 1984 Jul;37(3):351–3

Soft tissue reconstruction of the breast using an extended composite latissimus dorsi myocutaneous flap. Marshall DR, et al. **Br J Plast Surg** 1984 Jul;37(3):361–8

The use of subcutaneous tissue flaps in the repair of soft tissue defects of the forearm and hand: an experimental and clinical study of a new technique. Marty FM, et al. **Br J Plast Surg** 1984 Jan;37(1):95–102

The lateral thigh fascio-cutaneous flap in the repair of ischial and trochanteric defects. Maruyama Y, et al. **Br J Plast Surg** 1984 Jan;37(1):103–7

Recurrent cystosarcoma phylloides of breast: extensive full-thickness excision of chest wall with immediate repair using steel mesh and a latissimus dorsi myocutaneous flap. Mindikoğlu AN, et al. **Br J Plast Surg** 1983 Oct; 36(4):519–21

Reconstruction of the lower lip with a fan-shaped flap based on the facial artery. Nakajima T, et al. **Br J Plast Surg** 1984 Jan;37(1):52–4

Reconstruction of a large lateral abdominal wall defect with an ilio-lumbar bi-pedicled flap. Ohtsuka H, et al. **Br J Plast Surg** 1984 Jul;37(3):327–9

History of the discovery of the musculocutaneous flap method as a universal and immediate substitute for the method of delay. Orticochea M. **Br J Plast Surg** 1983 Oct; 36(4):524–8

A reversed-dermis Tagliacotian flap in the reconstruction of a badly burned nose. Pakiam A. **Br J Plast Surg** 1983 Oct;36(4):485–7

Tongue flap repair of cleft palate fistulae. Pigott RW, et al. **Br J Plast Surg** 1984 Jul;37(3):285–93

A gracilis myocutaneous flap for reconstruction of the scrotum. Ramos RR, et al. **Br J Plast Surg** 1984 Apr; 37(2):171–4

Oral mucosal flaps in midfacial reconstruction. Rayner CR. **Br J Plast Surg** 1984 Jan;37(1):43–7

One-stage flap repair with vascularised tendon grafts in a dorsal hand injury using the 'Chinese' forearm flap. Reid CD, et al. **Br J Plast Surg** 1983 Oct;36(4):473–9

The adaptation of the 'crane principle' to vascularise a free lipo-dermal graft. Sanders R, et al. **Br J Plast Surg** 1983 Oct;36(4):488–90

The free thigh flap: a new free flap concept based on the septocutaneous artery. Song YG, et al. **Br J Plast Surg** 1984 Apr;37(2):149–59

The radial forearm flap in the management of soft tissue injuries of the hand. Soutar DS, et al. **Br J Plast Surg** 1984 Jan;37(1):18–26

The versatile deep inferior epigastric (inferior rectus abdominis) flap. Taylor GI, et al. **Br J Plast Surg** 1984 Jul;37(3):330–50

The use of the fascia of the lower leg as a roll-over flap: its possible clinical applications in reconstructive surgery. Thatte RL, et al. **Br J Plast Surg** 1984 Jan;37(1):88–94

Lower limb salvage using an extended free radial forearm flap. Waterhouse N, et al. **Br J Plast Surg** 1984 Jul; 37(3):394–7

Radical cure of pilonidal sinus by a transposition rhomboid flap. Azab AS, et al. **Br J Surg** 1984 Feb;71(2):154–5

Mastectomy with primary reconstruction [letter] Chetty U, et al. **Br J Surg** 1984 May;71(5):402

Central breast carcinoma treated by simultaneous mastectomy and latissimus dorsi flap reconstruction. Nash AG, et al. **Br J Surg** 1983 Nov;70(11):654–5

Latissimus dorsi reconstruction of the breast [letter] **Br Med J [Clin Res]** 1983 Sep 24;287(6396):909–10

Microvascular free tissue transfer [editorial] Jones B. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):345–6

Free transplantation of sub-axillary lateral thoraco-dorsal flap in burn surgery. Yang ZN, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):164–9

Violation of surgical principles in periodontal flap surgery—its consequences. Pruthi VK. **Can Dent Assoc J** 1984 Apr;50(4):320–3

Gracilis myocutaneous flap for reconstructing perineal defects resulting from radiation and radical surgery. Palmer JA, et al. **Can J Surg** 1983 Nov;26(6):510–2

Extended myocutaneous flap to cover major pelvic and craniofacial defects. Temple WJ, et al. **Can J Surg** 1983 Nov;26(6):517–20

Limberg-latissimus dorsi myocutaneous flap for closure of myelomeningocele. Munro IR, et al. **Childs Brain** 1983; 10(6):381–6

Cross-bridge transplantation of free latissimus dorsi skin flap in one case. Yu ZJ, et al. **Chin Med J [Engl]** 1983 Oct; 96(10):772–6

Pedicle graft epiphysis transplantation. Téôt L, et al. **Clin Orthop** 1983 Nov;(180):206–18

Utilization of the extensor retinaculum in the radiocarpal joint of rheumatoid wrists. Torisu T, et al. **Clin Orthop** 1983 Dec;(181):179–85

An experimental study of reconstructive procedures in lesions of the meniscus. Use of synovial flaps and carbon fiber implants for artificially made lesions in the meniscus of the rabbit. Veth RP, et al. **Clin Orthop** 1983 Dec; (181):250–4

Historical review of pharyngo-oesophageal reconstruction after resection for carcinoma of pharynx and cervical oesophagus. Missotten FE. **Clin Otolaryngol** 1983 Oct; 8(5):345–62

The triangular island skin flap for treatment of anal ectropion. Peled IJ, et al. **Dis Colon Rectum** 1984 Jan;27(1):33–4

Gluteus maximus myocutaneous flap for the treatment of recalcitrant pilonidal disease. Perez-Gurri JA, et al. **Dis Colon Rectum** 1984 Apr;27(4):262–4

One-stage urethroplasty for urethral stricture. Free full thickness skin graft versus cutaneous island flap urethroplasty. Boccon-Gibod L, et al. **Eur Urol** 1984; 10(1):32–5

Foot reconstruction by free flap transfer. Wood MB, et al. **Foot Ankle** 1983 Jul-Aug;4(1):2–7

Chest wall metastasis via a deltopectoral flap. A case report. Oka M, et al. **Fukuoka Igaku Zasshi** 1984 Apr;75(4):210–5

Immediate vaginal reconstruction following resection for malignancy using the gluteal thigh flap. Achauer BM, et al. **Gynecol Oncol** 1984 Sep;19(1):79–89

Free composite tissue transfer in a compound hand injury. Van Genechten F, et al. **Hand** 1983 Oct;15(3):325–8

Experience with 33 epigastric rectus flaps in breast reconstruction. Lejour M, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):257–60

Two-point discrimination in cross-finger flaps. Nicolai JP, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):241–4

Baldness surgery—reduction versus flap. Uebel CO. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):250–3

The lower trapezius myocutaneous flap for head and neck reconstruction. Dinner MI, et al. **Head Neck Surg** 1983 Sep-Oct;6(1):613–7

An unusual complication of the pectoralis major myocutaneous flap. Donegan JO, et al. **Head Neck Surg** 1984 May-Jun;6(5):982–3

Reconstruction of the larynx and cervical trachea with the pectoralis major myocutaneous island flap. Eliachar I, et al. **Head Neck Surg** 1984 Mar-Apr;6(4):880–3

Correction of cervical esophageal stricture using an axial island cheek flap. Sasaki TM, et al. **Head Neck Surg** 1983 Sep-Oct;6(1):596–9

Reconstruction for cervical irradiation ulcers with myocutaneous flaps. Strawberry CW, et al. **Head Neck Surg** 1984 Mar-Apr;6(4):836–41

Scleral wick trabeculectomy. Maheshwari RK, et al. **Indian J Ophthalmol** 1983 Nov-Dec;31(6):797–8

Further report on trabeculectomy 'trabeculectomy with scleral flap'. Patel CK, et al. **Indian J Ophthalmol** 1983 Nov-Dec;31(6):749–50

Omental transposition flap in colorectal carcinoma: adjunctive use in prevention and treatment of radiation complications. Russ JE, et al. **Int J Radiat Oncol Biol Phys** 1984 Jan;10(1):55–62

Internal drainage of lymphocele by a pedicled omental flap. Ali Khan S, et al. **Int Urol Nephrol** 1983;15(4):333–8

An unusual case of rectourethral fistula. Restoration by using a flap from the bladder. Kokotas N, et al. **Int Urol Nephrol** 1983;15(1):61–3

The role of musculocutaneous flaps in the closure of pressure sores: present status. Lopez EM. **J Am Paraplegia Soc** 1983 Oct;6(4):87–9

Functional reconstruction of an extremity by free tissue transfer of the latissimus dorsi [letter] Buncke HH. **J Bone Joint Surg [Am]** 1984 Jun;66(5):806

Reconstruction of a large femoral defect using a vascular pedicle iliac graft. Case report. Leung PC. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1179–80

The efficacy of free tissue transfer in the treatment of osteomyelitis. Weiland AJ, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):181–93

Long-term effect of surgical/non-surgical treatment of periodontal disease. Lindhe J, et al. **J Clin Periodontol** 1984 Aug;11(7):448–58

The effects of the inverse bevel flap procedure on gingival contour and plaque accumulation. Newman PS. **J Clin Periodontol** 1984 Jul;11(6):361–6

The postauricular vertical hair-bearing transposition flap. Bouhanna P. **J Dermatol Surg Oncol** 1984 Jul;10(7):551–4

Repigmentation of leukoderma by autologous epidermal grafting. Falabella R. **J Dermatol Surg Oncol** 1984 Feb; 10(2):136–44

The infra-auricular full-thickness donor site with V—Y closure. Field LM. **J Dermatol Surg Oncol** 1984 May; 10(5):345–6

Surgical flaps: the upper-to-lower eyelid transposition flap. Field LM. **J Dermatol Surg Oncol** 1983 Oct;9(10):809–12

Enhancing the survival of full-thickness grafts. Hill TG. **J Dermatol Surg Oncol** 1984 Aug;10(8):639–42

The usefulness and versatility of V-Y advancement flaps. Peled IJ, et al. **J Dermatol Surg Oncol** 1983 Dec; 9(12):1003–6

Use of the bipedicled scalp flap for forehead reconstruction. Stoner JG, et al. **J Dermatol Surg Oncol** 1984 Mar; 10(3):213–5

Treatment of leg ulcers with split-thickness skin grafts. van den Hoogenband HM. **J Dermatol Surg Oncol** 1984 Aug; 10(8):605–8

Local flaps for resurfacing foot defects: a vascular perspective. Lombardo M, et al. **J Foot Surg** 1982 Winter; 21(4):302–4

A nondiabetic neurotrophic ulcer of the heel. Shapiro GD, et al. **J Foot Surg** 1982 Winter;21(4):285–91

Principles of soft tissue replacement for the hand. Beasley RW. **J Hand Surg** 1983 Sep;8(5 Pt 2):781–4

Nail bed repair and reconstruction by reverse dermal grafts. Clayburgh RH, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):594–8

Bone and osteocutaneous microvascular free flaps. Kleinert HE. **J Hand Surg** 1983 Sep;8(5 Pt 2):735–7

Dorsal transposition flap for reconstruction of lateral or medial oblique amputations of the thumb with exposure of bone. Ogunro O. **J Hand Surg** 1983 Nov;8(6):894–8

The development of tissue transfer in hand surgery. Chase RA. **J Hand Surg [Am]** 1984 Jul;9(4):463–77

Double Z-rhombic repair of both large and small defects of the upper extremity. Cuono CB. **J Hand Surg [Am]** 1984 Mar;9(2):197–202

The pronator quadratus muscle flap. Dellon AL, et al. **J Hand Surg [Am]** 1984 May;9(3):423–7

Reconstruction and sensitization of the amputated thumb. Kartchinov KD. **J Hand Surg [Am]** 1984 Jul;9(4):478–84

Double V-Y flap for correction of proximal interphalangeal joint flexion contractures. Nathan PA. **J Hand Surg [Am]** 1984 Jan;9A(1):48–52

The use of the osteocutaneous groin flap in gunshot wounds of the hand. Reinisch JF, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):12–7

Immediate reconstruction of the wrist and dorsum of the hand with a free osteocutaneous groin flap. Swartz WM. **J Hand Surg [Am]** 1984 Jan;9A(1):18–21

The split sternomastoid muscle flap. A method to improve the bed for brachial plexus grafts. Rayner CR. **J Hand Surg [Br]** 1984 Jun;9(2):113–6

Trends in minimizing deformity in head and neck resections. Conley J. **J Laryngol Otol** 1983 Nov;97(11):1047–52

The iliac bone or osteocutaneous transplant pedicled to the deep circumflex iliac artery. I. Anatomical and technical considerations. Bitter K, et al. **J Maxillofac Surg** 1983 Oct; 11(5):195–200

The iliac bone or osteocutaneous transplant pedicled to the deep circumflex iliac artery. II. Clinical application. Bitter K, et al. **J Maxillofac Surg** 1983 Dec;11(6):241–7

Reconstruction of the orbital floor with the muscle-bone flap (temporal muscle with coronoid process). Curioni C, et al. **J Maxillofac Surg** 1983 Dec;11(6):263–8

Immediate reconstruction using a scalp-forehead flap for the entire upper lip defect with the application of lyophilized porcine skin to surgical wounds. A case report of a malignant melanoma in the upper lip and oral mucosa. Kudo K, et al. **J Maxillofac Surg** 1983 Dec;11(6):275–8

Medial canthal tendon reconstruction. Moss AL. **J Maxillofac Surg** 1984 Jun;12(3):131–2

Reconstruction experience with myocutaneous and osteomyocutaneous skin flaps in oncological surgery of the head and neck. Navarro Vila C, et al. **J Maxillofac Surg** 1984 Jun;12(3):107–13

Utilization of the pedicle of the temporal-forehead-flap to close defects in the maxilla after tumour surgery. Noorman van der Dussen MF. **J Maxillofac Surg** 1983 Oct; 11(5):204–6

A new technique for the repair of lateral defects of the upper lip. Paulus GW. **J Maxillofac Surg** 1984 Jun;12(3):128–30

The versatility of genioplasty using a broad pedicle. Bell WH, et al. **J Oral Maxillofac Surg** 1983 Dec;41(12):763–9

Clips for the control of hemorrhage from the bitemporal scalp flap. Hammersley N. **J Oral Maxillofac Surg** 1983 Oct; 41(10):686–7

Bipedicled cervical skin flap for repair after resection of oral cancer. Inokuchi T, et al. **J Oral Maxillofac Surg** 1984 Apr;42(4):257–61

Periodontal evaluation of two mucoperiosteal flaps used in removing impacted mandibular third molars. Stephens RJ, et al. **J Oral Maxillofac Surg** 1983 Nov;41(11):719–24

Effects of irradiation of skin flaps. Sumi Y, et al. **J Oral Maxillofac Surg** 1984 Jul;42(7):447–52

Hair-bearing flaps in head and neck reconstructive surgery. Freeman JL, et al. **J Otolaryngol** 1984 Apr;13(2):105–8

Repair of facial defects with advancement-rotation flaps. Lawson VG. **J Otolaryngol** 1983 Aug;12(4):246–8

Chest wall metastasis as a complication of myocutaneous flap reconstruction. Robbins KT, et al. **J Otolaryngol** 1984 Feb; 13(1):13–4

Congenital eyelid anomalies in children. Crawford JS. **J Pediatr Ophthalmol Strabismus** 1984 Jul-Aug;21(4):140–9

Traumatic upper arm defect treated with latissimus dorsi muscle transposition. Stevenson TR, et al. **J Pediatr Orthop** 1984 Jan;4(1):111–3

The reverse latissimus dorsi flap for congenital diaphragmatic hernia repair. Bianchi A, et al. **J Pediatr Surg** 1983 Oct; 18(5):560–3

The effect of antifibrinolytic agents on the healing of modified Widman flaps in monkeys. Bergenholtz A, et al. **J Periodont Res** 1984 Mar;19(2):210–13

Comparison of results following modified Widman flap surgery with and without surgical dressing. Allen DR, et al. **J Periodontol** 1983 Aug;54(8):470–5

Revascularization following the lateral sliding flap procedure. Caffesse RG, et al. **J Periodontol** 1984 Jun;55(6):352–8

Etidocaine HCl local anesthetic for periodontal flap surgery. Hlava GL, et al. **J Periodontol** 1984 Jun;55(6):364–7

Revascularization following a combined gingival flap–split thickness flap procedure in monkeys. Kon S, et al. **J Periodontol** 1984 Jun;55(6):345–51

Pocket epithelium removal via crestal and subcrestal scalloped internal bevel incisions. Litch JM, et al. **J Periodontol** 1984 Mar;55(3):142–8

A histometric evaluation of the effect of citric acid preparation upon healing of coronally positioned flaps in nonhuman primates. Woodyard SG, et al. **J Periodontol** 1984 Apr;55(4):203–12

Nephrobronchial fistula. Closure by thoraco–abdominal approach and the use of free fascia lata graft. (A case report). Sachdeva NK, et al. **J Postgrad Med** 1983 Apr; 29(2):108–10, 110A

Free autogenous graft coverage of vital retained roots. Lambert PM, et al. **J Prosthet Dent** 1983 Nov;50(5):611–7

Inlay fascial graft for the treatment of multiple benign urethral fistulas. Lau JT, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):113–4

Are pinch grafts of historical interest only? [letter] Wood LE. **J R Coll Surg Edinb** 1984 Mar;29(2):126

Management of osteoradionecrosis of the mandible with myocutaneous flaps. Baker SR. **J Surg Oncol** 1983 Dec; 24(4):282–9

Pelvic abscess following preoperative radiation and abdominoperineal resection: management with a free flap. Kraybill WG, et al. **J Surg Oncol** 1984 Jan;25(1):18–20

Primary head and neck reconstruction with a simultaneous ipsilateral pectoralis major myocutaneous flap and a deltopectoral flap. Morris DM, et al. **J Surg Oncol** 1984 Jan;25(1):50–3

Comparison of blood flow and cell function in ischemic skin flaps. Bean D, et al. **J Surg Res** 1984 Jul;37(1):69–74

Musculocutaneous flaps for head and neck reconstruction. Bueno RA, et al. **J Tenn Med Assoc** 1983 Oct;76(10):637–43

Gracilis myocutaneous flap reconstruction after radical vulvectomy and posterior exenteration. McComas BC, et al. **J Tenn Med Assoc** 1984 Jan;77(1):17–9

The broadly based pericardial flap. A tissue for atrial wall replacement that grows. Guyton RA, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):619–25

Subclavian flap repair of coarctation of the aorta in neonates. Realization of growth potential? Moulton AL, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):220–35

The gastrocnemius myocutaneous flap in lower–extremity injuries. Gryskiewicz JM, et al. **J Trauma** 1984 Jun; 24(6):539–43

Soft–tissue reconstruction of the leg associated with the use of the Hoffmann external fixator. Velazco A, et al. **J Trauma** 1983 Dec;23(12):1052–7

Aesthetic repair of meatal stricture. De Sy WA. **J Urol** 1984 Oct;132(4):678–9

Neourethra: a new two–stage procedure for reconstruction of the functional urethra. Thüroff JW, et al. **J Urol** 1983 Dec;130(6):1228–33

Tumor implantation in a skin flap. Schouten JT. **JAMA** 1983 Nov 18;250(19):2670

Tracheostomy and the Björk flap [letter] McGregor IA, et al. **Lancet** 1983 Nov 26;2(8361):1259

Extended single transverse neck incision for composite resections: an update of technique and results. Becker GD. **Laryngoscope** 1984 May;94(5 Pt 1):605–7

Bipedicled delay of the deltopectoral flap in raising the pectoral myocutaneous flap. Davis RK, et al. **Laryngoscope** 1984 Apr;94(4):554–5

Superior based trapezius flap. Donald PJ, et al. **Laryngoscope** 1984 Jul;94(7):969–73

A longer muscle pedicle for pectoralis myocutaneous flap. Krespi YP, et al. **Laryngoscope** 1983 Oct;93(10):1360–1

Nonbacterial inflammation as a means of enhancing skin flap survival. Liston SL. **Laryngoscope** 1984 Aug;94(8):1075–85 (108 ref.)

Reconstruction of the tongue. Mikaelian DO. **Laryngoscope** 1984 Jan;94(1):34–7

Reconstruction of the hypopharynx following extensive loss of mucosa. Sambataro G, et al. **Laryngoscope** 1984 May; 94(5 Pt 1):671–6

Gracilis myocutaneous vaginal reconstruction. Heath PM, et al. **Mayo Clin Proc** 1984 Jan;59(1):21–4

Palatal pleomorphic adenoma and its management with island flaps. Janakarajah N, et al. **Med J Malaysia** 1983 Sep; 38(3):251–4

The pectoralis major myocutaneous flap in the primary reconstruction of oro–facial defects. Krishnan MM, et al. **Med J Malaysia** 1983 Jun;38(2):126–30

Stereomicroscopy as a diagnostic aid in evaluating the viability of island flaps: an experimental study. Ballantyne DL, et al. **Microsurgery** 1983;4(2):87–94

The study and clinical application of the osteocutaneous flap of fibula. Chen ZW, et al. **Microsurgery** 1983;4(1):11–6

Dorsalis pedis free flap to close extensive palate fistulae. Corrêa Chem R, et al. **Microsurgery** 1983;4(1):35–9

Comparison of two laser Doppler flowmeters for the monitoring of dermal blood flow. Fischer JC, et al. **Microsurgery** 1983;4(3):164–70

Critical comparison of transcutaneous PO2 and tissue pH as indices of perfusion. Raskin DJ, et al. **Microsurgery** 1983; 4(1):29–33

Experience with epigastric free flap transfer in the rat: technique and results. Ruby LK, et al. **Microsurgery** 1984; 5(2):102–4

Immediate total scalp and skull reconstruction. Smith PJ, et al. **Microsurgery** 1983;4(1):23–7

Thumb reconstruction with an iliac bone graft and a dorsalis pedis flap transplant including the extensor digitorum brevis muscle for restoring opposition: a case report. Tamai S, et al. **Microsurgery** 1983;4(2):81–6

Upper extremity reconstruction by free tissue transfer. Wood MB, et al. **Mian Med** 1983 Aug;66(8):503–8

Repair of rectovaginal fistula in Crohn's disease by rectal mucosal advancement flap. Farkas AM, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct;50(5):420–3

Use of trapezius muscle for closure of complicated upper spinal defects. Seyfer AE, et al. **Neurosurgery** 1984 Mar; 14(3):341–5

Construction of a neovagina after exenteration using the vulvobulbocavernosus myocutaneous graft. Hatch KD. **Obstet Gynecol** 1984 Jan;63(1):110–4

Repair of urinary tract fistulas with bulbocavernosus myocutaneous flaps. Hoskins WJ, et al. **Obstet Gynecol** 1984 Apr;63(4):588–93

Posthysterectomy vault prolapse: sacral colpopexy with dura mater graft. Lansman HH. **Obstet Gynecol** 1984 Apr; 63(4):577–82

The role of the browplasty rotational flap in lower eyelid reconstruction. Hurwitz JJ, et al. **Ophthalmic Surg** 1984 May;15(5):382–5

The treatment of necrotizing scleritis with an autogenous periosteal graft. Koenig SB, et al. **Ophthalmic Surg** 1983 Dec;14(12):1029–32

Effect of varying size of scleral flap and corneal block on trabeculectomy. Starita RJ, et al. **Ophthalmic Surg** 1984 Jun;15(6):484–7

Treatment of Lower lid retraction by tarsal–conjunctival and skin–muscle transposition flaps. Wiggs EO. **Ophthalmic Surg** 1983 Aug;14(8):663–5

Reconstruction of the eyelid using a myocutaneous island flap. Stephenson C. **Ophthalmology (Rochester)** 1983 Sep; 90(9):1060–5

Flap designs for gaining access to periapical lesions. Nosonowitz DM. **Oral Surg** 1983 Nov;56(5):537–41

A modification of the pedicle graft in the treatment of gingival recession. Svoboda PJ, et al. **Oral Surg** 1984 Feb; 57(2):143–6

Lower–extremity muscle flaps. Arnold PG, et al. **Orthop Clin North Am** 1984 Jul;15(3):441–9

Vascularized muscular and musculocutaneous flaps for management of osteomyelitis. Irons GB, et al. **Orthop Clin North Am** 1984 Jul;15(3):473–80

Chronic osteomyelitis treated with a muscle flap. Ruttle PE, et al. **Orthop Clin North Am** 1984 Jul;15(3):451–9

Musculocutaneous and free flaps: physiology and practical considerations. Panje WR. **Otolaryngol Clin North Am** 1984 May;17(2):401–12

Tracheal reconstruction with a pleuroperiosteal flap. Krespi YP, et al. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):610–4

Fiberoptic fluorometer for skin flap assessment. Weisman RA, et al. **Otolaryngol Head Neck Surg** 1983 Aug; 91(4):377–9

Instep flap: misnomer? [letter] Altchek ED. **Plast Reconstr Surg** 1984 Mar;73(3):501

Latissimus dorsi flap for the head and neck [letter] Arianayagam C. **Plast Reconstr Surg** 1984 Jan;73(1):156–7

The serratus anterior muscle: intrathoracic and extrathoracic utilization. Arnold PG, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):240–8

The lateral intercostal neurovascular free flap. Badran HA, et al. **Plast Reconstr Surg** 1984 Jan;73(1):17–26

Cross–leg fasciocutaneous flaps. Barclay TL, et al. **Plast Reconstr Surg** 1983 Dec;72(6):843–7

Repair of the contracted eye socket using a flap from the upper eyelid. Björnsson A, et al. **Plast Reconstr Surg** 1984 Aug;74(2):287–91

Bilobed latissimus dorsi flap for a decubitus ulcer. Bleicher JN, et al. **Plast Reconstr Surg** 1984 Mar;73(3):459–61

The inner arm fasciocutaneous flap. Budo J, et al. **Plast Reconstr Surg** 1984 Apr;73(4):629–32

Experience with the transverse lower rectus abdominis operation for breast reconstruction. Bunkis J, et al. **Plast Reconstr Surg** 1983 Dec;72(6):819–29

Forearm flap in one–stage reconstruction of the penis. Chang TS, et al. **Plast Reconstr Surg** 1984 Aug;74(2):251–8

Nipple reconstruction with a T flap. Chang WH. **Plast Reconstr Surg** 1984 Jan;73(1):140–3

Coverage of wounds in the distal lower leg by advancement of an enlarged medial gastrocnemius skin flap. Cheng HH, et al. **Plast Reconstr Surg** 1984 Apr;73(4):671–7

Increased survival and vascularity of random–pattern skin flaps elevated in controlled, expanded skin. Cherry GW, et al. **Plast Reconstr Surg** 1983 Nov;72(5):680–7

Fasciocutaneous flap [letter] Christ JE. **Plast Reconstr Surg** 1983 Nov;72(5):739

Use of the greater omentum as a vascular supply for free–flap transfer. Clement RW, et al. **Plast Reconstr Surg** 1984 Jul; 74(1):131–2

Innervated cross–finger flap [letter] Cohen BE. **Plast Reconstr Surg** 1984 May;73(5):859

An innervated cross–finger flap for fingertip reconstruction. Cohen BE, et al. **Plast Reconstr Surg** 1983 Nov; 72(5):688–97 (29 ref.)

Fasciocutaneous flap nomenclature [letter] Cormack GC, et al. **Plast Reconstr Surg** 1984 Jun;73(6):996

Fasciocutaneous vessels in the upper arm: application to the design of new fasciocutaneous flaps. Cormack GC, et al. **Plast Reconstr Surg** 1984 Aug;74(2):244–50

Latissimus dorsi free flaps in the elderly: an alternative to below–knee amputation. Dabb RW, et al. **Plast Reconstr Surg** 1984 Apr;73(4):633–40

The proximal inset thenar flap for fingertip reconstruction. Dellon AL. **Plast Reconstr Surg** 1983 Nov;72(5):698–704

The value of the anterior rectus sheath in the transverse abdominal island flap. Dinner MI, et al. **Plast Reconstr Surg** 1983 Nov;72(5):724–6

The L–shaped combined vertical and transverse abdominal island flap for breast reconstruction. Dinner MI, et al. **Plast Reconstr Surg** 1983 Dec;72(6):894–8

The vascular anatomy and dissection of the free scapular flap. dos Santos LF. **Plast Reconstr Surg** 1984 Apr; 73(4):599–604

The bladder flap for urethral reconstruction in total phalloplasty. Edgerton MT, et al. **Plast Reconstr Surg** 1984 Aug;74(2):259–66

Tailoring of the new breast using the transverse abdominal island flap. Elliott LF, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):887–93

Late necrosis of a latissimus dorsi free flap. Fisher J, et al. **Plast Reconstr Surg** 1984 Aug;74(2):274–81

The effect of delay on flap survival in an irradiated field. Fisher JC, et al. **Plast Reconstr Surg** 1984 Jan;73(1):99–104

Sideburn reconstruction for postrhytidectomy deformity. Fodor PB, et al. **Plast Reconstr Surg** 1984 Sep;74(3):430–4

Use of pericranial flap in scalp wounds with exposed bone. Fonseca JL. **Plast Reconstr Surg** 1983 Dec;72(6):786–90

A marking scissors for face lifts and other flaps [letter] Freeman BS. **Plast Reconstr Surg** 1984 Apr;73(4):703–4

Assessment of neovascularization and timing of flap division. Gatti JE, et al. **Plast Reconstr Surg** 1984 Mar;73(3):396–402

A tissue–expanding vermilion myocutaneous flap for lip repair. Goldstein MH. **Plast Reconstr Surg** 1984 May; 73(5):768–70

Scanning electron microscopy of irradiated recipient blood vessels in head and neck free flaps. Guelinckx PJ, et al. **Plast Reconstr Surg** 1984 Aug;74(2):217–26

A dermal–fat flap for nipple reconstruction. Hartrampf CR Jr, et al. **Plast Reconstr Surg** 1984 Jun;73(6):982–6

Use of a temporal musculoperiosteal flap in the treatment of craniofacial abnormalities: experimental study. Hauben DJ, et al. **Plast Reconstr Surg** 1984 Sep;74(3):355–61

Congenital scalp defect with distal limb anomalies: brachydactyly and hypoplastic toes. Hidalgo JE, et al. **Plast Reconstr Surg** 1983 Nov;72(5):708–12

Breast reconstruction with an external oblique abdominis muscle turnover flap and a bipedicled abdominal skin flap. Holle J, et al. **Plast Reconstr Surg** 1984 Mar;73(3):469–73

Reconstruction of the heel pad by flexor digitorum brevis musculocutaneous flap transfer. Ikuta Y, et al. **Plast Reconstr Surg** 1984 Jul;74(1):86–96

Effect of allopurinol on the survival of hyperemic island skin flaps. Im MJ, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):276–8

Monitors for the cutaneous microcirculation. Jones BM. **Plast Reconstr Surg** 1984 May;73(5):843–50 (75 ref.)

The medial gastrocnemius muscle flap: a local free flap. Keller A, et al. **Plast Reconstr Surg** 1984 Jun;73(6):974–6

A new version of the trapezius osteomyocutaneous flap for reconstruction of the lateral wall of the orbit and the malar region. Kenyeres N. **Plast Reconstr Surg** 1984 Aug; 74(2):295–8

Skin flap failure: pathophysiology. Kerrigan CL. **Plast Reconstr Surg** 1983 Dec;72(6):766–77

Release of axillary scar contracture with a latissimus dorsi flap. Knowlton EW. **Plast Reconstr Surg** 1984 Jul; 74(1):124–6

Extended vomer flaps in cleft palate repair: a preliminary report. Kobus K. **Plast Reconstr Surg** 1984 Jun; 73(6):895–903

The pectoralis major costomyocutaneous flap for mandibular reconstruction. Lam KH, et al. **Plast Reconstr Surg** 1984 Jun;73(6):904–10

Musculocutaneous flap reconstruction of chest–wall defects: an experience with 50 patients. Larson DL, et al. **Plast Reconstr Surg** 1984 May;73(5):734–40

Rectus abdominis flaps [letter] Lejour M. **Plast Reconstr Surg** 1984 Feb;73(2):327–9

Designing latissimus dorsi flaps [letter] McAvoy JM. **Plast Reconstr Surg** 1984 Feb;73(2):323

Subfascial arterialized sole of the foot flap. McCarthy JG. **Plast Reconstr Surg** 1984 Apr;73(4):691

The spectrum of calvarial bone grafting: introduction of the vascularized calvarial bone flap. McCarthy JG, et al. **Plast Reconstr Surg** 1984 Jul;74(1):10–8

Correction of depressed supratarsal sulcus by an arterial subcutaneous composite flap. Maillard GF, et al. **Plast Reconstr Surg** 1984 Sep;74(3):362–7

Gastrocnemius transposition flap in conjunction with limb–sparing surgery for primary bone sarcomas around the knee. Malawer MM, et al. **Plast Reconstr Surg** 1984 May;73(5):741–50

Muscle transplantation by fascicular territory. Manktelow RT, et al. **Plast Reconstr Surg** 1984 May;73(5):751–7
Dynamic variations in blood flow as measured by laser Doppler velocimetry: a study in rat skin flaps. Marks NJ, et al. **Plast Reconstr Surg** 1984 May;73(5):804–10
Free latissimus dorsi muscle flap with skin graft for treatment of traumatic chronic bony wounds. May JW Jr, et al. **Plast Reconstr Surg** 1984 Apr;73(4):641–51
Lateral cervical advancement flaps for the correction of webbed–neck deformity. Menick FJ, et al. **Plast Reconstr Surg** 1984 Feb;73(2):223–9
Longitudinal split anterior tibial muscle flap with preserved function. Møller–Larsen F, et al. **Plast Reconstr Surg** 1984 Sep;74(3):398–401
Closure of large spina bifida cystica defects with bilateral bipedicled musculocutaneous flaps. Moore TS, et al. **Plast Reconstr Surg** 1984 Feb;73(2):288–92
Midfacial and total nasal reconstruction with bilateral pectoralis major myocutaneous flaps. Morgan RF, et al. **Plast Reconstr Surg** 1984 May;73(5):824–6
Quantitation of skin–flap survival: a computer–based method. Nichter LS, et al. **Plast Reconstr Surg** 1984 Apr;73(4):684–6
Labat and the three–lobed forehead flap [letter] Ortiz–Monasterio F. **Plast Reconstr Surg** 1984 Apr; 73(4):705
The anatomy of the epigastric flap in the experimental rat. Petry JJ, et al. **Plast Reconstr Surg** 1984 Sep;74(3):410–3
The internal oblique muscle flap: an anatomic and clinical study. Ramasastry SS, et al. **Plast Reconstr Surg** 1984 May; 73(5):721–33
The sliding gluteus maximus myocutaneous flap: its relevance in ambulatory patients. Ramirez OM, et al. **Plast Reconstr Surg** 1984 Jul;74(1):68–75
A new technique for reconstruction of an open above–knee amputation. Rees R, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):882–6
The effect of cigarette smoking on skin–flap survival in the face lift patient. Rees TD, et al. **Plast Reconstr Surg** 1984 Jun;73(6):911–5
Tongue–flap reconstruction of the lip vermilion in hemifacial atrophy. Rees TD, et al. **Plast Reconstr Surg** 1983 Nov; 72(5):643–7
The abductor digiti minimi muscle flap: a salvage technique for palmar wrist pain. Reisman NR, et al. **Plast Reconstr Surg** 1983 Dec;72(6):859–65
Enhancement of skin–flap survival using nitroglycerin ointment. Rohrich RJ, et al. **Plast Reconstr Surg** 1984 Jun; 73(6):943–8
Local arterialized island flap coverage of difficult hand defects preserving donor digit sensibility. Rose EH. **Plast Reconstr Surg** 1983 Dec;72(6):848–58
Microvascular gastrocnemius muscle transfer to the distal leg using saphenous vein grafts. Salibian AH, et al. **Plast Reconstr Surg** 1984 Feb;73(2):302–7
Pathophysiology of skin flaps raised on expanded pig skin. Sasaki GH, et al. **Plast Reconstr Surg** 1984 Jul;74(1):59–67
Meningomyelocele closure with distally based latissimus dorsi flap. Scheflan M, et al. **Plast Reconstr Surg** 1984 Jun; 73(6):956–9
Rectus abdominis myocutaneous flaps [letter] Scheflan M. **Plast Reconstr Surg** 1983 Nov;72(5):737–9
Fluorescein and flap viability [letter] Silverman DG, et al. **Plast Reconstr Surg** 1984 Feb;73(2):326–7
More experience with the 'reverse' latissimus dorsi musculocutaneous flap: precise location of blood supply. Stevenson TR, et al. **Plast Reconstr Surg** 1984 Aug; 74(2):237–43
Use of the pharyngeal flap in the treatment of congenital velopharyngeal incompetence. Stueber K, et al. **Plast Reconstr Surg** 1984 Feb;73(2):219–22
Postoperative irradiation after reconstructive surgery: comparative study of radiosensitivity between free–skin grafts and skin flaps. Sumi Y, et al. **Plast Reconstr Surg** 1984 Sep;74(3):385–92
Effects of hyperbaric oxygen and hyperbaric air on the survival of island skin flaps. Tan CM, et al. **Plast Reconstr Surg** 1984 Jan;73(1):27–30
The extended deep inferior epigastric flap: a clinical technique. Taylor GI, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):751–65
Experimental study of tissue graft vascularization by means of vascular implantation and subcutaneous burying. Tzuyao S. **Plast Reconstr Surg** 1984 Mar;73(3):403–10
Rhytidectomy flap necrosis in Raynaud's disease. Vecchione TR. **Plast Reconstr Surg** 1983 Nov;72(5):713–9
The posterior calf fasciocutaneous free flap. Walton RL, et al. **Plast Reconstr Surg** 1984 Jul;74(1):76–85
Vascular island skin–flap tolerance to warm ischemia: an analysis by perfusion fluorometry. Weinberg H, et al. **Plast Reconstr Surg** 1984 Jun;73(6):949–55
Drug treatment and flap survival. Wray RC Jr, et al. **Plast Reconstr Surg** 1984 Jun;73(6):939–42
Peroneal flap for reconstruction in the extremity: preliminary report. Yoshimura M, et al. **Plast Reconstr Surg** 1984 Sep; 74(3):402–9
Urinary incontinence in children: treatment with free autogenous muscle transplantation. Hakelius L, et al. **Prog Pediatr Surg** 1984;17:155–67
Improvement of continence by myoplasty of the pelvic floor. Holle J, et al. **Prog Pediatr Surg** 1984;17:123–30
Smooth muscle reverse plasty. A new method to treat anorectal incontinence in infants with high anal and rectal atresia. Results after gracilis plasty and free muscle transplantation. Holschneider AM, et al. **Prog Pediatr Surg** 1984;17:131–45
Problems of anal continence operations. Sauer H, et al. **Prog Pediatr Surg** 1984;17:147–53
Reconstruction of the abdominal wall using a tensor fasciae latae musculocutaneous island flap. A case report. Scholtz JF, et al. **S Afr Med J** 1983 Nov 19;64(22):873–4
Microvascular free flaps in early reconstruction of burns in the hand and forearm. Case reports. Asko–Seljavaara S, et al. **Scand J Plast Reconstr Surg** 1984;18(1):139–44
Distally based fasciocutaneous flap from the sural region. A preliminary report. Donski PK, et al. **Scand J Plast Reconstr Surg** 1983;17(3):191–6
A new method of skin graft adhesion. Vibe P, et al. **Scand J Plast Reconstr Surg** 1983;17(3):263–4
Myocutaneous and muscle flap reconstruction of problem wounds. Tobin GR. **Surg Clin North Am** 1984 Aug; 64(4):667–81
Retrocolic omental pedicle flap for routine plication of abdominal aortic grafts. Bunt TJ, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):591–2
Assurance of flap symmetry following mastectomy using intraoperative measurement. Gold JP. **Surg Gynecol Obstet** 1984 Feb;158(2):169–72
The management of recurrent inguinal hernias by muscle transposition—a preliminary communication. Ger R, et al. **Surgery** 1984 Jun;95(6):712–6
The dynamic properties of tissue oxygen in healing flaps. Gottrup F, et al. **Surgery** 1984 May;95(5):527–36
Histo–anatomical backgrounds of subclavian flap aortoplasty in coarctation of the aorta. van Meurs–van Woezik H, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):72–7
Operative occlusion of urethral fistulas by pyramidal muscle–fascial strips. Rothauge CF, et al. **Urology** 1983 Dec;22(6):644–5
Use of scrotal skin to cover cutaneous defects resulting from palliative lymph node dissections in groin and suprapubic area. Schulze KA, et al. **Urology** 1984 Mar;23(3):260–3
Results of hypospadias repair according to the principle of the buried strip. Svensson J, et al. **Z Kinderchir** 1983 Aug; 38(4):237–9
[Flap method in the repair of urinary fistula—an analysis of 29 cases] Su YK. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):226–8 (Eng. Abstr.) (Chi)
[Reconstruction of the thumb with a big–toe free flap—analysis of 12 cases] Yu ZJ. **Chung Hua I Hsueh Tsa Chih** 1983 Dec;63(12):750–3 (Chi)
[Report of 55 cases of free forearm flap transplantation for the repair of maxillofacial defects] Liu SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):84–6 (Chi)
[Use of total and tunnel forehead flaps in reconstruction of defects after resection of oral and maxillofacial tumor] Qiu WL. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun; 18(2):70–3 (Chi)
[Free forearm flap transplantation in reconstruction of oral and maxillofacial defects—report of 13 cases] Wang GH. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):205–8 (Chi)
[Application of forearm skin flap for total rhinoplasty] Chen BJ. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):348–50 (Eng. Abstr.) (Chi)
[Composite skin and cartilage free grafts from the ear for repair of partial nasal defects] Hu YS. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):746–7 (Eng. Abstr.) (Chi)
[Reconstruction of the urethra with a transposed pedicle skin–tube from the labium majus] Ke C. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):364 (Eng. Abstr.) (Chi)
[Urethroplasty with a skin tube: report of 6 cases] Li JQ. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):423 (Eng. Abstr.) (Chi)
[Axial flap in repairing traumatic defects of hands and feet] Luo JH. **Chung Hua Wai Ko Tsa Chih** 1983 Oct; 21(10):609–10 (Eng. Abstr.) (Chi)
[Vascularization of an autogenous free composite tissue block using vascular implantation and subcutaneous burying: an experimental study] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):403–6 (Eng. Abstr.) (Chi)
[One–stage total rhinoplasty using a mid–forehead island flap: report of 36 cases] Tian BS. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):481–2 (Chi)
[Intracranial transplantation of free omentum for moyamoya disease] Xu WL. **Chung Hua Wai Ko Tsa Chih** 1984 Feb; 22(2):76–7 (Eng. Abstr.) (Chi)
[Free grafting of a lateral brachial skin flap] Yang GF. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):272–4 (Eng. Abstr.) (Chi)
[Clinical application of medial skin flap of leg—analysis of 9 cases] Zhang SC. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):743–5 (Eng. Abstr.) (Chi)
[An anatomical study on pedicled skin flaps in intermuscular spaces] Zhong SZ. **Chung Hua Wai Ko Tsa Chih** 1983 Oct; 21(10):596–9 (Eng. Abstr.) (Chi)
[Reconstruction of digital flexion function with a free latissimus dorsi myocutaneous flap by microneurovascular surgery] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1983 May; 21(5):268–71 (Eng. Abstr.) (Chi)
[Transposition or transplantation of a myocutaneous flap for traumatic osteomyelitis of extremities] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):369–70 (Eng. Abstr.) (Chi)
[New approaches in the treatment of soft tissue defects] Stockarová D, et al. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):556–68 (Eng. Abstr.) (Cze)
[Initial experience with breast reconstruction using a myocutaneous flap] Stockarová D. **Rozhl Chir** 1983 Dec; 62(12):841–8 (Eng. Abstr.) (Cze)
[Importance of the Limberg triple flap in the surgical treatment of cancer of the breast in the male] Michel P, et al. **Acta Chir Belg** 1984 May–Jun;84(3):138–43 (Eng. Abstr.) (Fre)
[Reparative procedures following total circular pharyngolaryngectomy] Hamoir M. **Acta Otorhinolaryngol Belg** 1984;38(1):17–29 (Fre)
[Our experience with musculo–cutaneous flaps in cervico–facial oncology] Pech A, et al. **Acta Otorhinolaryngol Belg** 1983;37(6):894–9 (Fre)
[Free aponeurotic sub–cervical flap in the surgical treatment of urinary stress incontinence in women] Cukier J. **Acta Urol Belg** 1984 Apr;52(2):322–5 (Eng. Abstr.) (Fre)
[Value of the latissimus dorsi musculocutaneous flap in the covering of enlarged thoracic parietectomies] Martigne C, et al. **Ann Chir** 1984 Mar;38(2):167–70 (Eng. Abstr.) (Fre)
[Reconstruction of the upper eyelid. The lower eyelid flap] Banzet P, et al. **Ann Chir Plast Esthet** 1984;29(2):109–12 (Eng. Abstr.) (Fre)
[Musculocutaneous flap of the pectoralis major and resection of the anterior mandibular arch] Beziat JL, et al. **Ann Chir Plast Esthet** 1983;28(4):379–82 (Eng. Abstr.) (Fre)
[Our experience with covering ischial pressure sores with musculocutaneous flaps] Cariou JL, et al. **Ann Chir Plast Esthet** 1983;28(4):337–47 (Eng. Abstr.) (Fre)
[The platysma musculocutaneous flap. Its use in transmaxillary buccopharyngectomies] Delerm A, et al. **Ann Chir Plast Esthet** 1984;29(1):38–41 (Eng. Abstr.) (Fre)
[The pectoralis major musculocutaneous flap. Anatomical study] Desphieux JL, et al. **Ann Chir Plast Esthet** 1984; 29(1):23–6 (Eng. Abstr.) (Fre)
[Our experience with the parascapular free flap. Apropos of 7 cases] Fissette J, et al. **Ann Chir Plast Esthet** 1983; 28(3):232–6 (Eng. Abstr.) (Fre)
[Treatment of tissue losses at the fingertip] Foucher G, et al. **Ann Chir Plast Esthet** 1984;29(1):64–8 (Eng. Abstr.) (Fre)
[Free inguinal cutaneomuscular flap connected to the deep circumflex iliac pedicle] Gomis R, et al. **Ann Chir Plast Esthet** 1983;28(3):225–31 (Eng. Abstr.) (Fre)
[Value of the clavicle osteomyocutaneous flap in extensive loss of substance on the face. A clinical case] Gouet O. **Ann Chir Plast Esthet** 1984;29(1):34–7 (Eng. Abstr.) (Fre)
[A new weapon in plastic surgery: the cutaneous aponeurotic flap. Its application in the repair of tissue losses of the lower limb. Apropos of 10 cases] Gréco JM, et al. **Ann Chir Plast Esthet** 1983;28(3):211–24 (Eng. Abstr.) (Fre)
[Value of trapezius musculocutaneous flaps in reconstructive cervicofacial surgery] Guedon C, et al. **Ann Chir Plast Esthet** 1984;29(1):27–33 (Eng. Abstr.) (Fre)
[Subtotal reconstruction of the nose with a Washio flap] Maillard GF, et al. **Ann Chir Plast Esthet** 1983;28(4):319–24 (Eng. Abstr.) (Fre)
[Therapeutic strategy in the repair of temporoparietal alopecia: value of the median or paramedian sagittal flap. Apropos of 6 cases] Mitz V, et al. **Ann Chir Plast Esthet** 1984;29(1):48–52 (Eng. Abstr.) (Fre)
[Reflections on 7 years' use of the inserted flap] Nataf J. **Ann Chir Plast Esthet** 1984;29(1):53–7 (Eng. Abstr.) (Fre)
[Breast reconstruction without prosthesis by an abdominal musculocutaneous flap connected to the rectus abdominis] Petit JY, et al. **Ann Chir Plast Esthet** 1983;28(3):283–6 (Eng. Abstr.) (Fre)
[Hatchet flap for the repair of cutaneous excisions on the nose. Apropos of 30 cases] Reynaud JP. **Ann Chir Plast Esthet** 1983;28(4):369–75 (Eng. Abstr.) (Fre)
[The naso–cheek or nasolabial rotation flap with subcutaneous pedicle in the repair of tissue loss above the lip] Simons G, et al. **Ann Chir Plast Esthet** 1984;29(1):74–7 (Eng. Abstr.) (Fre)
[Evaluation of the use of the acromiothoracic musculocutaneous flap in cervicofacial oncology. Apropos of 137 cases] Soussaline M, et al. **Ann Chir Plast Esthet** 1984;29(2):135–9 (Eng. Abstr.) (Fre)
[A pharaonic lip reconstruction] Soussaline M. **Ann Chir Plast Esthet** 1983;28(4):397–8 (Eng. Abstr.) (Fre)
[Value of composite chondrocutaneous grafts in the repair of ear and nose substance loss] Thai Minh B, et al.

Ann Chir Plast Esthet 1983;28(4):376–8 (Eng. Abstr.) (Fre)

[Flaps in the reconstructive surgery of dermatologic epitheliomas of the nose (excluding rhinopoiesis). Apropos of 144 surgically treated cases] Beauvillain C, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):341–8 (Eng. Abstr.) (Fre)

[Repair of loss of substance in the auriculotemporal region using a trapezius musculocutaneous flap] Blanchon CE. **Ann Otolaryngol Chir Cervicofac** 1983;100(7):533–6 (Eng. Abstr.) (Fre)

[Mandibular reconstruction by composite musculocutaneous flap in glossopelvimandibular excisions] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(7):505–12 (Eng. Abstr.) (Fre)

[Survival of bone after osteomuscular transposition. Histological study in man and an experimental model] Guédon C, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(4):313–8 (Eng. Abstr.) (Fre)

[Value of the pectoralis major musculocutaneous flap in the repair of the posterior wall of the pharynx and the lateral wall of the hypopharynx] Junien-Lavillauroy C, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):355–7 (Eng. Abstr.) (Fre)

[Our experience with the pectoralis major musculocutaneous flap. Apropos of 57 cases] Lefebvre JL, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):323–5 (Eng. Abstr.) (Fre)

[Use of pectoralis major myocutaneous flaps in cervicofacial surgery. Our experience with 46 cases] Lelievre G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):327–30 (Eng. Abstr.) (Fre)

[Role of musculocutaneous flaps in pelvibuccopharyngectomy] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):299–305 (Eng. Abstr.) (Fre)

[Glottic reconstruction with a flap of thyroid perichondrium] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(4):319–22 (Eng. Abstr.) (Fre)

[Use of the pectoralis major myocutaneous flap in transmaxillary buccopharyngectomy] Peynegre R, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):307–11 (Eng. Abstr.) (Fre)

[Myocutaneous flaps in cervicofacial oncology. Results apropos of 87 patients] Richard J, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):349–53 (Eng. Abstr.) (Fre)

[The Chinese anti-brachial radial flap: anatomic study] Jacob Y, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):99–103 (Eng. Abstr.) (Fre)

[Lateral calcaneal flaps] Jacob Y, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):105–9 (Eng. Abstr.) (Fre)

[The use of the pectoralis major myocutaneous flap in cervicofacial and particularly buccopharyngeal, surgery. Apropos of 42 cases] Lefebvre JL, et al. **Bull Cancer (Paris)** 1984;71(1):35–9 (Eng. Abstr.) (Fre)

[Reconstruction of the lower eyelid using the upper eyelid] Morax S, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:476–80 (Fre)

[Incorrect use of electrosurgery: correction using a pedicled graft] Roy S. **Can Dent Assoc J** 1984 Apr;50(4):325–8 (Eng. Abstr.) (Fre)

[Sternocleidomastoid musculocutaneous flap in reconstruction of the mouth following cancer excision] Gumener R, et al. **Helv Chir Acta** 1984 Apr;51(1):9–15 (Eng. Abstr.) (Fre)

[Introduction to reconstructive surgery of oropharyngeal cancer] Montandon D. **Helv Chir Acta** 1984 Jan;50(5):581–6 (Eng. Abstr.) (Fre)

[Immediate repair of losses of anthelix substance after excision of tumors in this area, using a mastoid flap] Blanchon C. **J Fr Otorhinolaryngol** 1984 Jun;33(6):281–5 (Fre)

[Total circular pharyngolaryngectomy: methods of reconstruction of the digestive tract with an antibrachial flap having a radial pedicle] Zanaret M, et al. **J Fr Otorhinolaryngol** 1984 Jun;33(6):286–90 (Fre)

[The Chinese flap (letter)] Masquelet AC. **Presse Med** 1984 Jan 14;13(1):43 (Fre)

[The plantar flap in reconstructive surgery of the foot] Masquelet AC, et al. **Presse Med** 1984 Apr 7;13(15):935–6 (Eng. Abstr.) (Fre)

[The internal plantar island flap. Anatomic study and surgical applications] Oberlin C, et al. **Rev Chir Orthop** 1984; 70(2):151–4 (Eng. Abstr.) (Fre)

[Palliative treatment of longstanding facial paralysis. Use of cutaneous plastic surgery] Capdeville P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(1):67–8 (Eng. Abstr.) (Fre)

[Use of the myopectoral flap in the reconstruction of losses of oropharyngeal substance in cervicofacial oncology] Laur P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):93–9 (Eng. Abstr.) (Fre)

[Possibilities of excision offered by new repair technics in tumors of the oral cavity] Meley M, et al. **Rev Otoneuroophtalmol** 1983 Oct–Dec;55(5):371–86 (Eng. Abstr.) (Fre)

[Treatment of nasal saddle-back deformities using a median naso-frontal five-point star flap] Dupuis A, et al. **Rev Stomatol Chir Maxillofac** 1983;84(5):289–93 (Eng. Abstr.) (Fre)

[Musculocutaneous flaps in maxillofacial surgery] Meley M, et al. **Rev Stomatol Chir Maxillofac** 1983;84(4):177–89 (Eng. Abstr.) (Fre)

[Rotation flap from the anterior tonsillar pillar for the reconstruction of the intermaxillary commissure and posterior portion of the cheek] Pellerin P, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):38–40 (Eng. Abstr.) (Fre)

[Nasogenial flaps] Roulaud JP, et al. **Rev Stomatol Chir Maxillofac** 1984;85(2):109–10 (Eng. Abstr.) (Fre)

[Use of neck muscle in the correction of facial asymmetry. The Barron-Tessier flap] Talmant JC. **Rev Stomatol Chir Maxillofac** 1983;84(5):283–8 (Eng. Abstr.) (Fre)

[Results of follow-up studies in the treatment of chronic fibular ligament insufficiency using autologous corium] Träger D. **Aktuel Traumatol** 1984 Aug;14(4):181–4 (Eng. Abstr.) (Ger)

[2 variant plastic defect coverings after resection of extensive tumors of the extremities] Jaeger K, et al. **Chirurg** 1983 Oct;54(10):687–9 (Ger)

[Autologous dermal implantation: a facultative carcinogen?] Omanik S, et al. **Chirurg** 1984 May;55(5):352 (Ger)

[Vestibuloplasty of the maxilla with palatal split mucous membrane transplants. Technic and results] Hardt N, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):785–9 (Eng. Abstr.) (Ger)

[An extremely long Abbé flap for simultaneous reconstruction of a defect of the upper lip and the columella] Dirnberger F, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):254–6 (Eng. Abstr.) (Ger)

[Hidradenitis suppurativa—treatment with myocutaneous island flap or the traditional method] Gorkisch K, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):135–8 (Eng. Abstr.) (Ger)

[Modification of osteomyelitis with free musculocutaneous transplants] Jaeger K, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):158–63 (Eng. Abstr.) (Ger)

[A new combined local transferable flap technic for closure of pretibial soft tissue defects] Müller HA, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):268–72 (Eng. Abstr.) (Ger)

[Free forearm flap as a possibility for simultaneous reconstruction of damaged peripheral circulation and skin] Partecke BD, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):3–6 (Eng. Abstr.) (Ger)

[Covering of tissue defects of the lower extremities using free cutaneous or myocutaneous flaps and island flaps] Partecke BD, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):11–4 (Eng. Abstr.) (Ger)

[The musculocutaneous flap in body cavity repair following extensive tumor resection] Pfandlsteiner G. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):127–30 (Eng. Abstr.) (Ger)

[Reconstruction of scrotum with a free flap. Late results] Rheiner P. **Handchir Mikrochir Plast Chir** 1983 Dec; 15(4):261–4 (Eng. Abstr.) (Ger)

[Experiences with dorsalis pedis flaps] Scharnagl E. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):7–10 (Eng. Abstr.) (Ger)

[Joint saving forearm replantation using pedicled latissimus dorsi island flap] Tizian C, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):106–10 (Eng. Abstr.) (Ger)

[Possibilities for using the tensor fasciae latae flap] Vossmann H. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):131–4 (Eng. Abstr.) (Ger)

[Myocutaneous island flaps in the reconstruction of surgical defects of the oral cavity and oropharynx] Grossenbacher R, et al. **Helv Chir Acta** 1984 Apr;51(1):5–8 (Eng. Abstr.) (Ger)

[Long-term results following goniotrepanation with a scleral flap (Elliot-Fronimopoulos)] Schnaudigel OE. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):202–3 (Eng. Abstr.) (Ger)

[An elastic ileostomy sphincter using an autologous small intestine muscle flap] Braun J, et al. **Langenbecks Arch Chir** 1984;362(3):193–204 (Eng. Abstr.) (Ger)

[Tubed pedicle flap in the head-neck area from a current viewpoint] Haas E. **Laryngol Rhinol Otol (Stuttg)** 1983 Nov;62(11):516–21 (Eng. Abstr.) (Ger)

[Skin replacement as a temporary measure in post-traumatic tissue defects] Betz A, et al. **Orthopade** 1983 Sep; 12(4):193–204 (Ger)

[Soft tissue-plasty for the restoration of infected defects of the lower extremity] Habermeyer P, et al. **Orthopade** 1983 Sep;12(4):205–17 (Ger)

[Chronic sole defect of the foot] Mühlbauer W, et al. **Orthopade** 1983 Sep;12(4):224–8 (Ger)

[Free myocutaneous flap-plasty] Wilker D, et al. **Orthopade** 1983 Sep;12(4):218–23 (Ger)

[Reconstruction of the urethra in women using a bladder flap] Ackermann D, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):46–9 (Eng. Abstr.) (Ger)

[Animal experimental studies of the smooth muscle pedicle flap (tunnel graft) in the goat] Holschneider AM, et al. **Z Kinderchir** 1984 Jun;39(3):191–201 (Eng. Abstr.) (Ger)

[Surgical treatment of postirradiation rectovaginal fistula by sigmoidal flap] Slutzker D, et al. **Harefuah** 1984 Mar 15; 106(6):258–60 (Eng. Abstr.) (Heb)

[Biologic bases of musculo-cutaneous flaps most frequently used in cervico-maxillo-facial surgery] Bozzetti A, et al. **Acta Biomed Ateneo Parmense** 1983;54(5–6):393–8 (Eng. Abstr.) (Ita)

[Basocellular epithelioma of the inferior eyelid border. Personal technic for repairing loss of substance] Buttafarro F, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct; 118(5):335–7 (Eng. Abstr.) (Ita)

[Technic of production of microvascularized free flaps] Ortensi A, et al. **Minerva Chir** 1984 May 15;39(9):775–9 (Eng. Abstr.) (Ita)

[The transverse submammary skin incision for the median sternotomy] Kobayashi Y, et al. **Kyobu Geka** 1984 Jun; 37(6):441–4 (Eng. Abstr.) (Jpn)

[Intrathoracic application of latissimus dorsi muscle flap for extended radical esophagectomy] Kawahara H, et al. **Nippon Geka Gakkai Zasshi** 1984 Apr;85(4):300–6 (Eng. Abstr.) (Jpn)

[Tensor fascia lata myocutaneous flaps for coverage of the skin defect after extensive resection of penile cancer] Ishikawa S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1113–21 (Eng. Abstr.) (Jpn)

[Mastoid obliteration technics with autograft tissue—a new trial using a piece from the iliac crest and a temporalis osteomuscular flap] Kikawada T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Aug;86(8):855–62 (Eng. Abstr.) (Jpn)

[Repair of intraoral and pharyngeal defects with latissimus dorsi myocutaneous island flap] Yamamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20;86(6):635–43 (Eng. Abstr.) (Jpn)

[Use of the skin-adipose tissue flaps in the surgical treatment of post-traumatic defects of finger bulbs] Faflik J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):219–21 (Eng. Abstr.) (Pol)

[Dermatoplasty in the treatment of open fractures of crural bones and weight-bearing areas] Kobus K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):213–7 (Eng. Abstr.) (Pol)

[Muscular, musculo-cutaneous and cutaneous island flaps in the treatment of open fractures and weight-bearing] Kobus K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):315–21 (Eng. Abstr.) (Pol)

[Management of skin defects in open fractures and post-traumatic osteomyelitis of crural bones] Konzal S, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):455–9 (Eng. Abstr.) (Pol)

[Problems of skin and soft tissues in the treatment of chronic secondary osteomyelitis] Plaue R. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):41–3 (Eng. Abstr.) (Pol)

[Clinical use of muscle and musculo-cutaneous flaps from gastrocnemius muscle] Podlewski J. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):431–4 (Eng. Abstr.) (Pol)

[Free multi-tissue microvascular transplants in the treatment of pseudarthrosis] Solonen KA. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):49–52 (Eng. Abstr.) (Pol)

[Skin transplantation in the treatment of varicose ulcers caused by post-thrombotic syndrome] Napierala M, et al. **Pol Tyg Lek** 1983 Nov 7;38(45):1381–3 (Eng. Abstr.) (Pol)

[Muscle and skin-muscle flaps used in the crural area] Towpik E. **Wiad Lek** 1983 Nov 15;36(22):1867–70 (10 ref.) (Eng. Abstr.) (Pol)

[Long-term follow-up in extensive surgically treated scalp avulsion] Zawiejska-Daraż M, et al. **Wiad Lek** 1983 Oct 1;36(19):1625–9 (Eng. Abstr.) (Pol)

[Reconstruction of the vulva, perineum and perianal region with a myocutaneous flap of the gracilis muscle] Monteiro Júnior AA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):137–40 (Eng. Abstr.) (Por)

[Skin homograft in the treatment of burns] Russo A do C. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Aug;38(4):173–6 (Eng. Abstr.) (Por)

[Morpho-functional characteristics of the artificial vagina] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1983 Jul; (7):64–7 (Eng. Abstr.) (Rus)

[Clinico-anatomical substantiation of abdominal-perineal proctectomy in distal cancer of the rectum] Amelina OP, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):98–101 (Eng. Abstr.) (Rus)

[Dermatoplasty in avulsion of the skin of the male genital organs] Gervaziev VB, et al. **Khirurgiia (Mosk)** 1984 Apr; (4):98–102 (Eng. Abstr.) (Rus)

[Correction of post-burn deformities and contractures of the neck] Grishkevich VM, et al. **Khirurgiia (Mosk)** 1984 Jan; (1):111–6 (Rus)

[Dermatoplasty in the restoration of blood circulation and the function of the hand after electric burn] Ivanova NP, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):62–7 (Eng. Abstr.) (Rus)

[Evaluation of current methods of diaphragm grafting in hiatal hernia (literature review)] Khudalbergenov AM, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):127–32 (110 ref.) (Rus)

[3-ray stellate forehead skin flap] Troshev K. **Khirurgiia (Sofiia)** 1983;36(6):527–9 (Eng. Abstr.) (Rus)

[Inferior shoulder skin-adipose flap for microvascular plasty of tissue defects] Driuk NF, et al. **Klin Khir** 1983 Jul; (7):55–8 (Eng. Abstr.) (Rus)

[Plastic surgery with myocutaneous flaps as a conservative reconstructive method of treating burns and frostbite] Vikhriev BS, et al. **Klin Khir** 1984 Mar;(3):14–7 (Eng. Abstr.) **(Rus)**

[Correction of post–burn combined deformities of the face and neck with a bilobed cervicothoracic dermato–adipose flap] Grishkevich VM, et al. **Ortop Travmatol Protez** 1983 Nov;(11):27–30 (Eng. Abstr.) **(Rus)**

[Indications for free autoplasty of defects using bone, skin or dermo–osseous transplants on vascular pedicles] Volkov MV, et al. **Ortop Travmatol Protez** 1983 Aug;(8):1–4 (Eng. Abstr.) **(Rus)**

[1–stage plastic repair of the lower lip with a U–shaped flap in the removal of precancerous and benign growths] Kats AG. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):53–5 (Eng. Abstr.) **(Rus)**

[Motor reinnervation of an Abbé flap and of a free full–thickness flap from the lower lip] Kozin IA, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):53–7 (Eng. Abstr.) **(Rus)**

[Plastic repair of facial and neck defects with a complex flap incorporating the greater pectoral muscle] Nerobeev AI. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):41–4 (Eng. Abstr.) **(Rus)**

[Comprehensive evaluation of the viability of a Filatov pedicle flap] Selga GS. **Stomatologiia (Mosk)** 1984 Jul–Aug; 63(4):45–8 (Eng. Abstr.) **(Rus)**

[Principles of microsurgical transplantation of tissue complexes in reconstructive surgery of the limbs] Belousov AE, et al. **Vestn Khir** 1984 Jan;132(1):108–11 (Eng. Abstr.) **(Rus)**

[Free stamp–graft autodermoplasty in the treatment of granulating wounds and ulcers] D'iachenko PK, et al. **Vestn Khir** 1984 May;132(5):94–8 (Eng. Abstr.) **(Rus)**

[Restoration of sensation in free skin transplants] Dmitriev GI, et al. **Vestn Khir** 1984 Jan;132(1):116–20 (Eng. Abstr.) **(Rus)**

[Plastic repair of ulcers of the plantar surface of the foot with local tissues] Iudenich VV, et al. **Vestn Khir** 1984 Jun;132(6):99–103 (Eng. Abstr.) **(Rus)**

[Plastic surgery of the arteries using autologous veins in free transplantation of combined flaps with microvascular anastomoses] Krylov VS, et al. **Vestn Khir** 1983 Dec; 131(12):47–50 (Eng. Abstr.) **(Rus)**

[Use of a complex flap including skin and the trapezius muscle for head and neck reconstruction] Nerobeev AI. **Vestn Khir** 1984 Jan;132(1):112–6 (Eng. Abstr.) **(Rus)**

[Use of an ointment for preparation of burn wounds for dermatoplasty] Sovo ER, et al. **Vestn Khir** 1984 Jan; 132(1):121–2 **(Rus)**

[Correction of the foot after transplantation of the toes and foot tissues to the hands] Stepanov GA, et al. **Vestn Khir** 1983 Nov;131(11):120–6 (Eng. Abstr.) **(Rus)**

[Covering of skin defects of the hand by a free skin–adipose tissue flap with microvascular anastomosis] Stepanov GA, et al. **Vestn Khir** 1983 Sep;131(9):122–3 **(Rus)**

[Plastic repair of wound defects using skin–muscle flaps] Vikhriev BS, et al. **Vestn Khir** 1984 Feb;132(2):89–92 (Eng. Abstr.) **(Rus)**

[Plastic surgery of organs and tissues of the median facial area using Filatov's flap] Arzhantsev PZ, et al. **Voen Med Zh** 1983 Aug;(8):36–41 **(Rus)**

[Criteria of effectiveness of autodermoplasty in burns] Strel'nikov BE, et al. **Voen Med Zh** 1984 May;(5):52–3 **(Rus)**

[Timing of reconstructive surgery after removal of malignant maxillofacial and laryngeal neoplasms] Balon LR. **Vopr Onkol** 1984;30(3):60–7 (Eng. Abstr.) **(Rus)**

[Reconstructive operations using the latissimus dorsi muscle for correcting the postmastectomy syndrome] Milanov NO, et al. **Vopr Onkol** 1983;29(9):7–10 (Eng. Abstr.) **(Rus)**

[Surgical treatment of facial defects due to deep burns] Brkić E. **Chir Maxillofac Plast** 1983;13(2–3):91–104 (Eng. Abstr.) **(Scr)**

[Pectoralis major island flap in head and neck reconstruction] Virag M. **Chir Maxillofac Plast** 1982;12(1):11–20 (Eng. Abstr.) **(Scr)**

[Use of the compound trapezius osteomyocutaneous flap in face and mouth reconstruction] Zajc I. **Chir Maxillofac Plast** 1982;12(1):27–31 (Eng. Abstr.) **(Scr)**

[Metabolic tests in the clinical evaluation of the vitality of regional skin flaps] Kralj Z, et al. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):56–60 (Eng. Abstr.) **(Scr)**

[Sterno–cleido–clavicular pedical flap in the reconstruction of the mandible] Kralj Z, et al. **Lijec Vjesn** 1983 Sep; 105(9):369–72 (Eng. Abstr.) **(Scr)**

[Urethral reconstruction with free dorsalis pedis flap with microvascular anastomosis] Ochoa–Díaz López JE, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:76–80 (Eng. Abstr.) **(Spa)**

[Parascapular cutaneous flap for repairing ulcers in a diffuse angioma of the whole lower extremity] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):14–6 **(Spa)**

[Osteomyocutaneous flap of pectoralis muscles. Personal technic] Serra Renom JM. **Rev Med Univ Navarra** 1983 Jun;27(2):28–30 **(Spa)**

[Cutaneous flap from the dorsum of the foot] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):21–4 **(Spa)**

[Hemifacial repair using a vascularized free flap of wide dorsal muscle. Mixed basal and spinocellular tumor] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun; 27(2):25–7 **(Spa)**

[A flap from the greater omentum for the oncologic repair of extensive loss of substance in the leg] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):35–8 **(Spa)**

[Cutaneous scapular flaps] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):11–3 **(Spa)**

[Graft of vascularized fibula: giant cell tumor of the radius] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun; 27(2):31–4 **(Spa)**

[Clinical applications of vascularized free flaps] Serra Renom JM. **Rev Med Univ Navarra** 1983 Jun;27(2):9–10 **(Spa)**

[Free dermis–fat double flap: progressive hemifacial atrophy (Romberg syndrome)] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):17–20 **(Spa)**

[Musculo–cutaneous flaps—a new dimension in reconstructive surgery] Eriksson E, et al. **Lakartidningen** 1983 Aug 10;80(32–33):2898–902 **(Swe)**

[Musculocutaneous flaps in the reconstruction or resection of oral and pharyngeal cancer] Relander M, et al. **Lakartidningen** 1984 Aug 29;81(35):3028–31 **(Swe)**

METHODS

Closure of large orbital–maxillary defects with free latissimus dorsi myocutaneous flaps. Baker SR. **Head Neck Surg** 1984 Mar–Apr;6(4):828–35

Fasciocutaneous flap, secondary axial pattern flap, and microvascular free flap in socket reconstruction. Guyuron B, et al. **Ophthalmology** 1984 Jan;91(1):94–101

Mini alar myocutaneous flaps for nasolabial–columella reconstruction. Conley J, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):380–3

Monitoring free flap perfusion by serial fluorometry. Denneny JC 3d, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):372–6

Conchal bowl and postauricular flaps for reconstruction of the external auditory canal. Wolfensberger M, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):404–6

Myocutaneous flaps tumor surgery of the head and neck. Cummings CW. **Prog Clin Biol Res** 1983;132D:407–20

Myocutaneous flap reconstruction of the trunk and extremities in cancer surgery. Larson DL. **Prog Clin Biol Res** 1983;132D:421–8

[The Poland syndrome and its plastic correction using complete anterior transposition of a muscular flap of the latissimus dorsi] Pfulg M, et al. **Schweiz Rundsch Med Prax** 1984 Apr 10;73(15):489–93 (Eng. Abstr.) **(Fre)**

[Iridocyclectomy with scleral flap] Oláh Z. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):500–2 (Eng. Abstr.) **(Ger)**

[Variability of island flaps for closure of cervicofacial defects] Krisch A. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul; 62(7):334–7 (Eng. Abstr.) **(Ger)**

[Skin flap reconstruction of the entire penile circumference. An unusual advanced case of penile induration (Peyronie's disease)] Kishev SV, et al. **Urologe [Ausg A]** 1983 Sep; 22(5):297–8 (Eng. Abstr.) **(Ger)**

[Transplantation of a scapular flap by microvascular anastomosis] Farkas J, et al. **Orv Hetil** 1984 Jul 22; 125(30):1811–3 (Eng. Abstr.) **(Hun)**

[Reconstruction of defects after radical extirpation of head and neck tumors by the authors' modification of the Ariyan method of using the pectoralis major muscle with a myocutaneous flap] Kásler M, et al. **Orv Hetil** 1983 Aug 14;124(33):2001–3 (Eng. Abstr.) **(Hun)**

VETERINARY

Skin grafting in horses. Stashak TS. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):215–25 (16 ref.)

SURGICAL INSTRUMENTS

Corrosion of aneurysm clips: evaluation and clinical implications. Part II: Individual performance. Dujovny M, et al. **Acta Neurochir (Wien)** 1984;72(3–4):257–69

Tarsorrhaphy fixation forceps [letter] Kramár P, et al. **Am J Ophthalmol** 1984 Mar;97(3):393

A modified flute needle [letter] Zivojnovic R, et al. **Am J Ophthalmol** 1983 Oct;96(4):548–9

Sternal safety blade for median or transverse sternotomy. Hodge J. **Am J Surg** 1984 Sep;148(3):402–3

Surgical cautery revisited. Keenan KM, et al. **Am J Surg** 1984 Jun;147(6):818–21

Avoidance of artifacts on computerized tomograms by selection of appropriate surgical clips. Weese JL, et al. **Am J Surg** 1984 May;147(5):684–7

Aortic compressor for aortic occlusion in hemorrhagic shock. Mahoney BD, et al. **Ann Emerg Med** 1984 Jan;13(1):11–6

A new technique for placing an intra–atrial line [letter] Simon RR, et al. **Ann Emerg Med** 1984 May;13(5):409–10

Keratoprosthesis: technique and instrumentation. Harris JK, et al. **Ann Ophthalmol** 1984 May;16(5):481–4

A new penetrating keratoplasty donor button forceps. Hofmann RF. **Ann Ophthalmol** 1984 Jun;16(6):584, 588, 590

The universal sterilization principle and a corollary. Furnas DW. **Ann Plast Surg** 1984 Apr;12(4):387–93

Skin fish hook. Peled IJ. **Ann Plast Surg** 1984 Jun;12(6):573

A simplified approach for drilling holes in the inferior orbital rim. Shively RE. **Ann Plast Surg** 1983 Nov;11(5):447–8

Pelvic osteotomy retractor. Bodey WN. **Ann R Coll Surg Engl** 1984 Mar;66(2):125–6

Towards an efficient retractor handle: an ergonomic study. Brearley S, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):382–4

Technical aids in performing transhiatal esophagectomy without thoracotomy. Orringer MB. **Ann Thorac Surg** 1984 Aug;38(2):128–32

Recommended practices: Sponge, sharp, and instrument counts. **AORN J** 1984 Mar;39(4):699–706

Double–ended needle holder for anterior segment surgery. Belin MW, et al. **Arch Ophthalmol** 1984 Jul;102(7):1093

Endothelial damage in monkeys after radial keratotomy performed with a diamond blade. Yamaguchi T, et al. **Arch Ophthalmol** 1984 May;102(5):765–9

One instead of two knives for surgical incision. Does it increase the risk of postoperative wound infection? Hasselgren PO, et al. **Arch Surg** 1984 Aug;119(8):917–20

Nasal retrieval forceps: a modified Kocher forceps. Nancarrow JD, et al. **Br J Plast Surg** 1984 Jul;37(3):411

The alar cartilage morselizer [letter] Rubin FF. **Br J Plast Surg** 1984 Jul;37(3):429

Elastic band ligation of haemorrhoids: a new applicator. Schofield PF, et al. **Br J Surg** 1984 Mar;71(3):212

Evacuation of smoke from laser surgery in the vagina [letter] MacLachlan TB. **Can Med Assoc J** 1983 Nov 15; 129(10):1082

A cement impactor for uniform cement penetration in the upper tibia. Kim YH, et al. **Clin Orthop** 1984 Jan–Feb; (182):206–10

Liver regeneration after atypical hepatectomy in the rat. A comparison of CO2 laser with scalpel and electrical diathermy. Chinali G, et al. **Eur Surg Res** 1983;15(5):284–8

Microwave coagulating scalpel. Taylor LS, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):834–6

Disposable drapes used in ocular surgery. Surendran TS, et al. **Indian J Ophthalmol** 1983 Sep;31(5):499–501

Bleach usage for CJD disinfection [letter] Scheidt A. **Infect Control** 1984 Jul;5(7):314

Wrinkle corner. A jig for accurate section of the femoral neck. Heyse–Moore GH. **Injury** 1984 Mar;15(5):347–50

Clinical results with the surgical keratometer. Kratz RP, et al. **Int Ophthalmol Clin** 1983 Winter;23(4):87–99

A posterior chamber implant forceps. Dossi F. **J Am Intraocul Implant Soc** 1984 Winter;10(1):87

A round ruby knife for ophthalmic surgery. Huber C, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):234–5

An arched hook for eliminating iris tuck with flexible anterior chamber IOLs. Levy JH. **J Am Intraocul Implant Soc** 1984 Winter;10(1):88

Instrumentation for preparation and placement of subcutaneous implants. Kallus T, et al. **J Biomed Mater Res** 1983 Sep;17(5):735–40

Incisional biopsy and seeding in hamster cheek pouch carcinoma. Safour IM, et al. **J Dent Res** 1984 Sep; 63(9):1116–20

A novel instrument and technique for atraumatic wound closure. Azab AS, et al. **J Dermatol Surg Oncol** 1984 Mar; 10(3):176–9

Dermatologic review: scalpel technique in removing heloma and hyperkeratosis. Scullion PG. **J Foot Surg** 1984 Jul–Aug;23(4):344–9

New instrumentation for removal of the fibular sesamoid. Troy TV. **J Foot Surg** 1984 May–Jun;23(3):248–9

Modified 69 blade for tenolysis. McDonough JJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):610–1

Modification of Cloward cervical retractor. Technical note. Leibrock LG, et al. **J Neurosurg** 1984 Jul;61(1):193–4

Transparent optical neurosurgical instruments. Technical note. Levy WJ. **J Neurosurg** 1984 Jan;60(1):208–10

Characteristics and use of ultra–long aneurysm clips. Sugita K, et al. **J Neurosurg** 1984 Jan;60(1):145–50

Booster clips for giant and thick–based aneurysms. Sundt TM Jr, et al. **J Neurosurg** 1984 Apr;60(4):751–62

Clips for the control of hemorrhage from the bitemporal scalp flap. Hammersley N. **J Oral Maxillofac Surg** 1983 Oct; 41(10):686–7

Surgeon's workshop. A stone–catching basket for arthroscopic removal of loose bodies. Spencer RF, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):112–3

New thoracotomy instruments—rib bradawl and rib approximator. Tinckler LF. **J R Coll Surg Edinb** 1983 Nov; 28(6):405–6

Ultrasonography in the detection of intra–abdominal retained surgical sponges. Barriga P, et al. **J Ultrasound Med** 1984 Apr;3(4):173–6

Tracheoesophageal fistula for Panje tube. Lewis DR, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1486

New retractor for increasing visibility and reducing operating time of intraoral vertical oblique osteotomy. Petri WH 3d. **Milit Med** 1984 Jan;149(1):24–5

A simple device to facilitate low anterior anastomosis [letter] Welvaart K, et al. **Neth J Surg** 1984 Apr;36(2):60

Cervical tong fixation [letter] DiSclafani A 3d. **Neurosurgery** 1984 Mar;14(3):382

Intracranial clips: an examination of the devices used for aneurysm surgery. Dujovny M, et al. **Neurosurgery** 1984 Mar;14(3):257–67

Posterior stabilization with an interlaminar clamp in cervical injuries: technical note and review of the long term experience with the method. Holness RO, et al. **Neurosurgery** 1984 Mar;14(3):318–22

Vacuum Fixation Ring for radial keratotomy. Gelender H, et al. **Ophthalmic Surg** 1984 Feb;15(2):126–7
An optic nerve clamp. Kurwa B, et al. **Ophthalmic Surg** 1984 Feb;15(2):132–3
Special scissors for oculoplastic surgery. Reeh MJ. **Ophthalmic Surg** 1983 Dec;14(12):1040
Multipurpose modified Ziegler knife. Wilson RS. **Ophthalmology (Rochester)** 1983 Sep;Suppl:136
A marking scissors for face lifts and other flaps [letter] Freeman BS. **Plast Reconstr Surg** 1984 Apr;73(4):703–4
A simplified method for air drill irrigation. Horowitz J, et al. **Plast Reconstr Surg** 1984 Feb;73(2):313–4
Rust removal from surgical instruments [letter] Kasdan A, et al. **Plast Reconstr Surg** 1984 May;73(5):856–7
A less obtrusive sucker for intraoral operations [letter] Kumar P, et al. **Plast Reconstr Surg** 1984 Jul;74(1):151
Lower-eyelid distractor. Liu D, et al. **Plast Reconstr Surg** 1984 Jan;73(1):137–9
A new system of intraocular instruments. II. Intraocular needleholder. Rappazzo JA, et al. **Retina** 1983;3(3):239–40
A simple method for catheter fixation of the cystic duct during cholangiography. Hampson LG, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):82–3
Techniques of ultrasonic dissection in resection of the liver. Putnam CW. **Surg Gynecol Obstet** 1983 Nov;157(5):474–8
A natural spreader for the pylorus. Raffensperger JG, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):77–8
A simple retraction device for operations upon the abdomen. Rao PS. **Surg Gynecol Obstet** 1984 Mar;158(3):290–1
A new flexible intestinal transposition forcep. Stoller JL. **Surg Gynecol Obstet** 1984 Apr;158(4):384–6
Cavitron ultrasonic surgical aspirator. Applications in urologic surgery. Addonizio JC, et al. **Urology** 1984 May; 23(5):417–20
Use of double-J urinary diversion stents in intestinal urinary diversion [letter] Cranidis AJ. **Urology** 1984 Feb;23(2):225
Urethrectomy using disposable vein stripper. Crawford VA. **Urology** 1984 May;23(5 Spec No):106
Advantage of Lowsley tractor in studying prostatic lesions. Khan SA, et al. **Urology** 1984 Jan;23(1):74
Use of Scott surgical retractor in pediatric urology. Livne PM, et al. **Urology** 1984 Sep;24(3):281–2
[A new design of a phleboextractor for the surgery of varicose veins of the lower extremities] Popov P, et al. **Khirurgiia (Sofiia)** 1983;36(1):79–82 (Eng. Abstr.) **(Bul)**
[Gradual screw-occlusive vascular clamp used in surgery of the internal carotid artery] Chen GR. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):419–20 (Eng. Abstr.) **(Chi)**
[Comparison of results obtained by laser and conventional instrumentation in vocal surgery. Pseudomyxoma and nodules] Muler H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):407–10 (Eng. Abstr.) **(Fre)**
[Forceps for non-traumatic extraction of intraocular foreign bodies] Kroll P, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:423–5 **(Fre)**
[Artefacts in the CT scan caused by surgical clips and central venous catheters and the use of new materials] Schadel A, et al. **Neurochirurgia (Stuttg)** 1984 Mar;27(2):44–6 (Eng. Abstr.) **(Ger)**
[Roentgen-transparent bone levers for bone surgery] Brinckmann P, et al. **Unfallheilkunde** 1983 Nov; 86(11):497–8 (Eng. Abstr.) **(Ger)**
[Rapid sterilization of small instruments using a dry heat contact method. (Preliminary report)] Horn H, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):455–6 **(Ger)**
[Modified MLW resectoscope for use as a urethrotome in urethrotomia interna] Bog H, et al. **Z Urol Nephrol** 1984 Apr;77(4):227–9 (Eng. Abstr.) **(Ger)**
[Easy-to-make pouch for catching excised tumor mass in left atrial myxoma] Sakurai S, et al. **Kyobu Geka** 1983 Sep; 36(9):719–21 **(Jpn)**
[Innovation of Hegar's needle holder] Yoshioka Y. **Kyobu Geka** 1984 Jun;37(6):445 **(Jpn)**
[Vein holder for coronary bypass surgery] Suma H, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):766–8 (Eng. Abstr.) **(Jpn)**
[New set of instruments for fixation of the cervix uteri] Petrova VM, et al. **Akush Ginekol (Mosk)** 1984 May; (5):69–70 **(Rus)**
[Changes in the instrument for transduodenal choledochoduodenostomy and papillosphincterotomy] Shor LM, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):130–1 **(Rus)**
[Application of interintestinal anastomosis using an enterotome] Zhandarov AV, et al. **Khirurgiia (Mosk)** 1983 Sep;(9):111–3 **(Rus)**
[Surgical retractor facilitating the approach to the major duodenal papilla] Iangibaev Z, et al. **Klin Khir** 1983 Sep; (9):71–2 **(Rus)**
[Surgical instruments left in the abdominal cavity for a long period] Polazhinets MN, et al. **Klin Khir** 1984 Jan;(1):70–1 **(Rus)**
[New technic and device for removing metal fragments from the posterior segment of the eye] Logal IM, et al. **Oftalmol Zh** 1983;38(5):297–9 (Eng. Abstr.) **(Rus)**
[Blade-holder for surgery on the lacrimal points and lacrimal canaliculi] Sultanov MIu. **Oftalmol Zh** 1983;38(4):250–1 **(Rus)**
[Tenotome for resecting the tendon of the iliopsoas muscle from the lesser trochanter] Abramov IuG, et al. **Ortop Travmatol Protez** 1984 Mar;(3):53 **(Rus)**
[Use of the laser 'Skal'pel'-1' laser device in polyclinics] Rutgaizer VM, et al. **Sov Zdravookhr** 1983;(11):42–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Instrument-marking tapes: an unnecessary hazard. Samit A, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):687–8

HISTORY

Old medical instruments. Herman JR. **Urology** 1984 Mar; 23(3):301–B, 308–I
[The acological cabinet, its origins and fate] Vlček J, et al. **Rozhl Chir** 1984 Feb;63(2):140–4 **(Cze)**

STANDARDS

Bacteriologic evaluation of electric clippers for surgical hair removal. Masterson TM, et al. **Am J Surg** 1984 Sep; 148(3):301–2
Operating theatre and equipment. Bewes P. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1284–6
Scleral retraction forceps for anterior chamber lens implantation. Frey JL. **J Am Intraocul Implant Soc** 1983 Summer;9(3):343
An intraocular lens carrier. Lopez OI, et al. **J Am Intraocul Implant Soc** 1983 Fall;9(4):477–9
A method for measuring the anterior chamber. Manchester PT Jr. **J Am Intraocul Implant Soc** 1983 Summer;9(3):341–2
Analysis of the Hessburg-Barron vacuum trephine. Duffin RM, et al. **Ophthalmic Surg** 1984 Jan;15(1):51–4
Use of diamond knives in ocular surgery. Galbavy EJ. **Ophthalmic Surg** 1984 Mar;15(3):203–5
Variation in disposable corneal trephine sharpness. Olson RJ. **Ophthalmic Surg** 1984 Jul;15(7):590–1
Clinical and ultrastructural analysis of variable speed corneal trephination. Schanzlin DJ, et al. **Ophthalmic Surg** 1983 Sep;14(9):755–8
Orbital tumor dissector and retractor. Sevel D. **Ophthalmic Surg** 1984 Apr;15(4):315–6
Diamond knife corneal incisions. Unterman SR, et al. **Ophthalmic Surg** 1984 Mar;15(3):199–202
One-motion posterior chamber lens implantation forceps. Volcker HE. **Ophthalmic Surg** 1984 May;15(5):425–6
[Upgrading the corrosion resistance of medical instruments made of chromium steel of the martensite class with electrochemical polishing] Chirkov VK, et al. **Med Tekh** 1983 Sep-Oct;(5):44–7 (Eng. Abstr.) **(Rus)**

SURGICAL MESH

Plastipore in reconstruction of the laryngo-tracheal complex. Joachims HZ, et al. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1-2):167–70
Osteoradionecrosis of the chest wall. Management of postresection defects using Marlex mesh and a rotated latissimus dorsi myocutaneous flap. Hines GL, et al. **Am Surg** 1983 Nov;49(11):608–11
Augmentation mentoplasty with polyamide mesh. Update. Beekhuis GJ. **Arch Otolaryngol** 1984 Jun;110(6):364–7
The morbidity of split-skin graft donor sites in the elderly: the case for mesh-grafting the donor site. Fatah MF, et al. **Br J Plast Surg** 1984 Apr;37(2):184–90
Marlex mesh abdominal rectopexy for rectal prolapse [letter] Mac Lellan DG. **Br J Surg** 1983 Dec;70(12):745
Knitted polypropylene (Marlex) mesh in the repair of incisional hernias. Lewis RT. **Can J Surg** 1984 Mar; 27(2):155–7
Intraperitoneal prolene mesh in hernia repair: a comparison of two techniques. McDonald S, et al. **Can J Surg** 1984 Mar;27(2):157–8
Comparison of unrepaired, primarily repaired, and polyglactin mesh-reinforced Achilles tendon lacerations in rabbits. Roberts JM, et al. **Clin Orthop** 1983 Dec; (181):244–9
Repair of paraileostomy hernia with polypropylene mesh reinforcement. Garnjobst W, et al. **Dis Colon Rectum** 1984 Apr;27(4):268–9
Small bowel exclusion from the pelvis by a polyglycolic acid mesh sling. Devereux DF, et al. **J Surg Oncol** 1984 Jun; 26(2):107–12
Biomaterials and herniology [letter] Berliner SD. **JAMA** 1984 Mar 16;251(11):1431–2
Influence of polylactic acid mesh on the incidence of localized osteitis. Brekke JH, et al. **Oral Surg** 1983 Sep; 56(3):240–5
The use of Dacron in the repair of hernias of the groin. Stoppa RE, et al. **Surg Clin North Am** 1984 Apr; 64(2):269–85
[Surgical treatment of urinary stress incontinence by using an Ampoxen sling under the urethra] Doganov N, et al. **Akush Ginekol (Sofiia)** 1983;22(4):311–6 (Eng. Abstr.) **(Bul)**
[Hydroxyproline concentration of muscle fibers and Bulgarian antimicrobial polyamide sheeting after multi-layer inguinal hernioplasty] Belchev B, et al. **Khirurgiia (Sofiia)** 1983;36(4):347–51 (Eng. Abstr.) **(Bul)**
[Use of antimicrobial polyamide cloth in oncosurgery] Dudunkov Z. **Khirurgiia (Sofiia)** 1983;36(5):496–8 (Eng. Abstr.) **(Bul)**
[Complex biochemical analysis of cicatricial connective tissue after implantation of the synthetic Bulgarian antimicrobial polyamide sheet into the abdominal wall of rabbits] Prodanov K, et al. **Khirurgiia (Sofiia)** 1984;37(2):101–7 **(Bul)**
[Use of the antimicrobial explantoplasts ampoxen and polycon in the surgical treatment of hepatic echinococcosis] Vasilev N, et al. **Khirurgiia (Sofiia)** 1984; 37(3):190–4 (Eng. Abstr.) **(Bul)**
[Experience with the use of a Bulgarian antimicrobial polyamide sheet in the surgical treatment of postoperative and recurrent hernias of the anterior abdominal wall] Zlatanov Z, et al. **Khirurgiia (Sofiia)** 1984;37(2):153–5 **(Bul)**
[Treatment of eviscerations by an absorbable endoprosthesis] Samama G, et al. **Ann Chir** 1983 Dec;37(9):685–8 (Eng. Abstr.) **(Fre)**
[Dacron mesh and surgical treatment of inguinal hernia] Stoppa R, et al. **Chirurgie** 1983;109(10):847–54 (Eng. Abstr.) **(Fre)**
[Treatment of laparoschisis. Use of a polyglactin 910 mesh (letter)] Gille P, et al. **Presse Med** 1984 Mar 17;13(11):683 **(Fre)**
[Pelvic peritonization with a polyglactin 910 mesh] Lehn E, et al. **Presse Med** 1984 Mar 31;13(14):881–2 (Eng. Abstr.) **(Fre)**
[Protection of sutures of the injured esophagus using polyglactin 910 (Vicryl) mesh] Arndt M, et al. **Chirurg** 1984 Jul;55(7):452–4 (Eng. Abstr.) **(Ger)**
[Pilous nevi of the hand] Andrae J, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):39–43 (Eng. Abstr.) **(Ger)**
[Abdominal rectopexy using polyglactin-910-(vicryl) mesh. Initial experiences] Arndt M, et al. **Helv Chir Acta** 1984 Mar;50(6):765–9 (Eng. Abstr.) **(Ger)**
[Blow out fracture of the medial orbital wall—plastic repair with tantalum mesh] Ishise J, et al. **No Shinkei Geka** 1984 Jan;12(1):101–6 (Eng. Abstr.) **(Jpn)**
[Our experience in using Bulgarian antibacterial polyamide sheeting in surgical practice] Chetrafilov D, et al. **Khirurgiia (Sofiia)** 1983;36(6):544–7 (Eng. Abstr.) **(Rus)**
[Use of low-frequency ultrasound and multicomponent collagen sheets to prevent dehiscence of intestinal sutures] Lutsevich OE, et al. **Sov Med** 1984;(3):54–8 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the liver after experimentally resecting it and covering its surface with BAPP and BAPK] Penchev R, et al. **Vestn Khir** 1984 Feb;132(2):32–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fistula following continent ileostomy. Thompson JS, et al. **Dis Colon Rectum** 1984 Mar;27(3):193–5

SURGICAL NURSING

Why nursing diagnoses are important in perioperative nursing. Allen JR. **AORN J** 1984 Aug;40(2):268–72
The burned patient. Perioperative nursing care. Engeman SA. **AORN J** 1984 Jul;40(1):36–41
Something different for lunch. Hercules PR. **AORN J** 1983 Dec;38(6):985–90
Perioperative nursing: a bibliography. Hunter T. **AORN J** 1984 Aug;40(2):204–5
Support for mastectomy. A clinical nursing research study. Lierman LM. **AORN J** 1984 Jun;39(7):1150–7
Rigid endoscopes. Proper care and maintenance. MacDonald E. **AORN J** 1984 Jun;39(7):1236–7, 1240, 1242 passim
Perioperative care plan guides: putting nursing diagnoses to work. Mackie R, et al. **AORN J** 1984 Aug;40(2):192–201
Independence and free will needed to be morally responsible. Payton RJ. **AORN J** 1984 Aug;40(2):262–5
Nurses' response to transplants. A systems view. Schaal PG, et al. **AORN J** 1984 Jan;39(1):42–5
Atrial septal defect. A nursing care plan. Weller D, et al. **AORN J** 1984 Mar;39(4):634–9, 642–3, 646
Liver transplantation. Intraoperative nursing care. West NJ. **AORN J** 1984 Jan;39(1):40–1
Nursing diagnosis: applications in perioperative practice. Yoder ME. **AORN J** 1984 Aug;40(2):183–8
Nursing care in the management of the maxillectomy patient. Carpenter MA, et al. **J Med Assoc Ga** 1983 Aug; 72(8):569–70
Nursing responsibilities in laser surgery. Cayton MM. **Med Instrum** 1983 Nov-Dec;17(6):419–21

ECONOMICS

Why hide the revenue produced by perioperative nursing care? Palmer PN. **AORN J** 1984 Jun;39(7):1121, 1123

EDUCATION

Project Alpha. A successful educational experience. Lowenstein L, et al. **AORN J** 1984 Jun;39(7):1196, 1198, 1200–1 passim
Education: Resources are available to help perioperative nurses. Manuel BJ. **AORN J** 1984 Mar;39(4):596–9
Videotape production: an inexpensive way to teach nursing skills. Rollant PD, et al. **AORN J** 1984 Jun;39(7):1136, 1138, 1140

METHODS

Cancer surgery. Help for the family in waiting. Watson S, et al. **Am J Nurs** 1984 May;84(5):604–7

Changes and similarities await the nurse entering ambulatory surgery practice. Applegeet CJ. **AORN J** 1984 Jul; 40(1):110–3

ORGANIZATION & ADMINISTRATION

Perioperative nursing. A special project. Barness SK, et al. **AORN J** 1984 Mar;39(4):609–15
Perioperative nursing. Implementing change. Phippen ML. **AORN J** 1984 Mar;39(4):601–8

STANDARDS

Recommended practices. Electrosurgery. **AORN J** 1984 Feb; 39(2):248–9, 252–4, 256

SURGICAL REPLANTATION see REPLANTATION

SURGICAL SCRUB see HANDWASHING

SURGICAL STAPLERS

Recurrence risk after stapled anastomosis for rectal carcinoma. Lasson AL, et al. **Acta Chir Scand** 1984; 150(1):85–9
Stapled esophagogastric anastomosis. Hopkins RA, et al. **Am J Surg** 1984 Feb;147(2):283–7 (18 ref.)
EEA stapling for control of acute variceal hemorrhage. Technique and indications. Mucha P Jr, et al. **Am J Surg** 1984 Sep;148(3):399–401
Experimental study of singly placed staples for an everted intestinal anastomosis. Okudaira Y, et al. **Am J Surg** 1984 Feb;147(2):234–6
Pelvic recurrence after anterior resection and EEA stapling anastomosis for potentially curable carcinoma of the rectum. Reid JD, et al. **Am J Surg** 1984 May;147(5):629–32
Horizontal gastroplasty. A safe, effective alternative to gastric bypass in the surgical management of morbid obesity. Jones KB Jr. **Am Surg** 1984 Mar;50(3):128–31
Low colorectal anastomosis with a modified circular stapler. Papachristou DN. **Am Surg** 1983 Nov;49(11):606–7
Right hemicolectomy: use of GIA stapler [letter] **Ann R Coll Surg Engl** 1984 Mar;66(2):147
Experience using the circular (EEA) stapling device to perform the anastomosis in right hemicolectomy. Crowson MC, et al. **Ann R Coll Surg Engl** 1984 Jul;66(4):286–7
Three years' experience with esophageal stapling devices [letter] Dorsey JS. **Ann Surg** 1984 Apr;199(4):486–7
Circular anastomosis stapler. An alternative to pursestring suture. Campion JP, et al. **Arch Surg** 1984 Feb;119(2):232–3
Skin staples in potentially contaminated wounds. Stillman RM, et al. **Arch Surg** 1984 Jul;119(7):821–2
A survey of postoperative function after rectal anastomosis with circular stapling devices. McDonald PJ, et al. **Br J Surg** 1983 Dec;70(12):727–9
Staple closure of the left atrial appendage. Landymore R, et al. **Can J Surg** 1984 Mar;27(2):144–5
Repair of defective EEA anastomosis. Makabeli G, et al. **Dis Colon Rectum** 1984 Jul;27(7):490–1
EEA stapler for mid-rectum carcinoma. Review of recent literature and own initial experience. Ohman U, et al. **Dis Colon Rectum** 1983 Dec;26(12):775–84
Simple techniques of enlarging the diameter of the bowel lumen for the performance of end-to-end anastomoses using the EEA stapler. Tchervenkov CI, et al. **Dis Colon Rectum** 1984 Sep;27(9):630–1
Multiple stapling for wrist arthrodesis in the nonrheumatoid patient. Benkeddache Y, et al. **J Hand Surg [Am]** 1984 Mar; 9(2):256–60
The EEA Autostapler in colorectal anastomosis. Varma JS, et al. **J R Coll Surg Edinb** 1984 Jan;29(1):27–30
Antesternal pharyngogastrostomy by oral insertion of a stapler. Tanaka T, et al. **Jpn J Surg** 1984 Mar;14(2):104–9
Recurrence of rectal cancer managed by stapled anastomosis [letter] **Lancet** 1984 Sep 1;2(8401):525
Recurrence of rectal cancer in patients managed by stapled anastomosis [letter] Johnson CD, et al. **Lancet** 1984 Jul 28;2(8396):219
Recurrence of rectal cancer in patients managed by stapled anastomosis [letter] Tagart RE. **Lancet** 1984 Aug 25; 2(8400):462
Staplers, two- and one-layer manual suturing in gastrointestinal surgery—a retrospective study of 553 patients. De Ruiter P. **Neth J Surg** 1983 Sep;35(4):150–4
The elusive surgical staple [letter] Hallock G. **Plast Reconstr Surg** 1984 Aug;74(2):314–5
Stapler transection of the oesophagus for bleeding oesophageal varices. Hoffmann J. **Scand J Gastroenterol** 1983 Sep;18(6):707–11 (36 ref.)
Symposium on surgical stapling techniques. **Surg Clin North Am** 1984 Jun;64(3):423–621
Automatic stapling techniques in abdominal hysterectomy. Beresford JM. **Surg Clin North Am** 1984 Jun;64(3):609–18
Errors and pitfalls in stapling gastrointestinal tract anastomoses. Chassin JL, et al. **Surg Clin North Am** 1984 Jun;64(3):441–59
Experience with stapling in rectal surgery. Gordon PH, et al. **Surg Clin North Am** 1984 Jun;64(3):555–66
Stapling technique for primary and secondary rectal anastomoses. Griffen FD, et al. **Surg Clin North Am** 1984 Jun;64(3):579–90
Stapling in gastroesophageal surgery. Griffen WO Jr. **Surg Clin North Am** 1984 Jun;64(3):529–42
Experience with gastrointestinal stapling at the Massachusetts General Hospital. Hedberg SE, et al. **Surg Clin North Am** 1984 Jun;64(3):511–28
Stapling techniques involving lung parenchyma. Hood RM. **Surg Clin North Am** 1984 Jun;64(3):469–80
Stapling techniques in esophageal replacement. Humphrey EW. **Surg Clin North Am** 1984 Jun;64(3):499–510
Varieties of stapled anastomoses in rectal resection. Ravitch MM. **Surg Clin North Am** 1984 Jun;64(3):543–54
Varieties of stapled anastomoses of the esophagus. Steichen FM. **Surg Clin North Am** 1984 Jun;64(3):481–98
Contemporary stapling instruments and basic mechanical suture techniques. Steichen FM, et al. **Surg Clin North Am** 1984 Jun;64(3):425–40
Use of staplers in pulmonary surgery. Takaro T. **Surg Clin North Am** 1984 Jun;64(3):461–8
Stapling techniques in operations for malignant disease of the female genital tract. Wheeless CR Jr. **Surg Clin North Am** 1984 Jun;64(3):591–608
A bullet shaped tip for the circular stapling device. Brodman HR, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):582–3
Re-establishing continuity after the Hartmann's procedure using the EEA stapler. Rotstein OD, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):378–9
Use of the EEA stapling instrument for control of bleeding esophageal varices. Wanamaker SR, et al. **Surgery** 1983 Oct;94(4):620–6
Pelvic recurrence rate after abdominoperineal resection and low anterior resection for rectal cancer before and after introduction of the stapling technique. Luke M, et al. **World J Surg** 1983 Sep;7(5):616–9
[Orthopedic application of a Ni-Ti shape-memory alloy compression staple] Dai KR. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):343–5 (Eng. Abstr.) **(Chi)**
[Automatic sutures in surgery] Huyghe J, et al. **Verh K Acad Geneeskd Belg** 1983;45(5):473–87 (Eng. Abstr.) **(Dut)**
[Treatment of recent articular fractures of the calcaneus. The place of surgical treatment and the value of osteosynthesis using a stool-shaped staple] Vidal J, et al. **Acta Orthop Belg** 1983;49(6):711–24 (Eng. Abstr.) **(Fre)**
[Colectomy by combined resection-anastomosis using linear mechanical sutures] Delière T, et al. **Presse Med** 1984 Mar 17;13(11):675–7 (Eng. Abstr.) **(Fre)**
[Mechanical anastomoses with the ILS stapler in surgery of the esophagus. 73 cases] Fekete F. **Presse Med** 1984 Jan 14;13(1):39–41 (Eng. Abstr.) **(Fre)**
[Partial splenectomy with the automatic stapler in the adult (letter)] Koyazounda A, et al. **Presse Med** 1984 May 19; 13(21):1336 **(Fre)**
[A new modification of the mechanical suture technic in deep anastomosis of the rectum] Arlt B, et al. **Chirurg** 1984 Jan; 55(1):53–4 **(Ger)**
[Anorectal continence following manual and mechanical anastomosis suture. Results of a controlled study of rectal surgery] Jostarndt L, et al. **Chirurg** 1984 Jun;55(6):385–90 (Eng. Abstr.) **(Ger)**
[Technic of rectum anastomoses in rectum resection. A controlled study: instrumental suture versus hand suture] Thiede A, et al. **Chirurg** 1984 May;55(5):326–35 (Eng. Abstr.) **(Ger)**
[Technic and transdiaphragmatic stapled anastomosis following resection of the distal esophagus in cancer of the cardia] Ulrich B, et al. **Chirurg** 1984 Apr;55(4):291–3 **(Ger)**
[Modification of a stapler for epidiaphragmatic esophagus anastomosis using the transabdominal approach] Ziegler H. **Chirurg** 1984 Apr;55(4):294–6 **(Ger)**
[Long-term follow-up of mechanical anastomoses in surgery of the large intestine. Prospective study of 683 patients] Athanasiadis S, et al. **Zentralbl Chir** 1983;108(23):1502–14 (Eng. Abstr.) **(Ger)**
[Our experience in the use of mechanical suturers in digestive surgery] Griffa B, et al. **Minerva Chir** 1983 Oct 31; 38(20):1745–6 **(Ita)**
[Total gastrectomy with mechanical sutures: real progress?] Guerrera C, et al. **Minerva Chir** 1984 Jan 15–31; 39(1–2):13–8 (Eng. Abstr.) **(Ita)**
[Suture of the residual bronchus after pneumonectomy. Experimental use of a disposable mechanical suturing device] Latteri M, et al. **Minerva Chir** 1983 Sep 30; 38(18):1319–22 (Eng. Abstr.) **(Ita)**
[The EEA stapler in digestive surgery. Initial experience] Lombardi M, et al. **Minerva Chir** 1983 Sep 15;38(17):1263–6 (Eng. Abstr.) **(Ita)**
[Gastric resection using mechanical staplers. Preliminary functional results] Mallardo N, et al. **Minerva Chir** 1984 Apr 15;39(7):459–62 (Eng. Abstr.) **(Ita)**
[The role of circular mechanical suturing devices in digestive surgery] Rebuffat C, et al. **Minerva Chir** 1983 Oct 15; 38(19):1493–6 (14 ref.) **(Ita)**
[The EEA circular mechanical stapler in digestive surgery. Analysis of 76 cases] Spina GP, et al. **Minerva Chir** 1984 Feb 28;39(4):197–203 (Eng. Abstr.) **(Ita)**
[Experiences with a mechanical stapler in respiratory tract surgery] Ogawa J, et al. **Kyobu Geka** 1983;36(7):552–4 (Eng. Abstr.) **(Jpn)**
[Suturing the stump of the stomach and the stump of the mesentery using the UO-40, UO-60 and NZhKA-60 surgical apparatus supplied with elastic compression clamps] Kanshin NN. **Vestn Khir** 1984 Jul;132(7):35–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Recurrent rectal carcinoma after anterior resection and rectal stapling. Anderberg B, et al. **Br J Surg** 1984 Feb; 71(2):98–100
Calculus formation in renal transplant patients. Motayne GG, et al. **J Urol** 1984 Sep;132(3):448–9
[Jejuno-ileal latero-lateral bypass. Defects of mechanical sutures] Doldi SB, et al. **Presse Med** 1984 Jun 16; 13(25):1571–2 (Eng. Abstr.) **(Fre)**
[Pitfalls of mechanical circular anastomoses] Stoppa R, et al. **Presse Med** 1984 Feb 11;13(5):281–2 (Eng. Abstr.) **(Fre)**

HISTORY

Staples and staplers. Ravitch MM, et al. **Adv Surg** 1984; 17:241–79 (78 ref.)

STANDARDS

Evaluation of the safety of end-to-end (EEA) stapling anastomoses across linear stapled closures. Julian TB, et al. **Surg Clin North Am** 1984 Jun;64(3):567–77

SURGICAL WOUND DEHISCENCE

CHEMICALLY INDUCED

The effects of gastrografin in postoperative intestinal anastamoses in animals. Henzes MJ, et al. **Curr Surg** 1984 Mar-Apr;41(2):92–4

DIAGNOSIS

Survival following complete detachment of an end-to-end aortic anastomosis. Wooster DL, et al. **Can J Surg** 1983 Nov;26(6):561–2
[Analysis of cases of asymptomatic scar dehiscence of the myometrium found during the second cesarean section] Sward J, et al. **Wiad Lek** 1983 Aug 1;36(15):1261–4 (Eng. Abstr.) **(Pol)**
[Fibrobronchoscopy in the diagnosis and treatment of bronchial stump insufficiency and empyema of the residual cavity] Poddubnyĭ BK, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):29–32 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Wound complications after closure of abdominal incisions with Dexon or Vicryl. A randomized double-blind study. Gammelgaard N, et al. **Acta Chir Scand** 1983;149(5):505–8
Abdominal wound evisceration. Banerjee SR, et al. **Curr Surg** 1983 Nov-Dec;40(6):432–4
Low anterior anastomotic dehiscence following preoperative irradiation with 6000 rads. Blake DP, et al. **Dis Colon Rectum** 1984 Mar;27(3):176–81
Leakage of low rectal anastomosis. An anatomic explanation? Foster ME, et al. **Dis Colon Rectum** 1984 Mar;27(3):157–8
Wound dehiscence: the Madigan Army Medical Center study. O'Reilly MJ, et al. **Milit Med** 1984 Mar;149(3):130–3
Separation of sutured tendon ends when different suture techniques and different suture materials are used. An experimental study in rabbits. Nyström B, et al. **Scand J Plast Reconstr Surg** 1983;17(1):19–23
Postoperative median sternotomy dehiscence. Harjula A, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):277–81
[Complications after sphincter-preserving operations in rectal cancer] Utkin VV, et al. **Khirurgiia (Mosk)** 1984 Jun; (6):76–9 **(Rus)**

MORTALITY

[Means of decreasing postoperative mortality in suture failure after operations on the stomach] Spivak VP, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):123–5 **(Rus)**

OCCURRENCE

Abdominal wound dehiscence [letter] Kuhn R. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):62
Previous cesarean section and trial of labor. Factors related to uterine dehiscence. Tahilramaney MP, et al. **J Reprod Med** 1984 Jan;29(1):17–21
[Postoperative hernias and eventrations] Damianov D, et al. **Khirurgiia (Sofiia)** 1983;36(4):389–93 **(Bul)**

PATHOLOGY

[Combination of rare pathologo-anatomic complications after resection of the stomach for duodenal ulcer] Milkov G, et al. **Khirurgiia (Sofiia)** 1984;37(1):59–63 **(Bul)**

PREVENTION & CONTROL

Abdominal wound closure. Carlson DC, et al. **Ala J Med Sci** 1984 Jan;21(1):49–53
Temporary defunctioning transcaecal tube ileostomy for left colon resections. Rangabashyam N, et al. **Indian J Gastroenterol** 1983 Jul;2(2):75–6
Burst abdomen. A preventable complication, monolayer closure of the abdominal incision with monofilament nylon. Mathur SK. **J Postgrad Med** 1983 Oct;29(4):223–9
[Device for the smooth retention or relaxation of wire support sutures] Pelzl H, et al. **Chirurg** 1983 Dec;

54(12):821–2 (Ger)
[Value of the routine documentation of wound infection and complication rates following general surgical interventions] Grundmann R, et al. **Zentralbl Chir** 1983;108(23):1485–96 (Eng. Abstr.) (Ger)
[Blocking of sliding knots—a supplement to surgical knots?] Meiss L. **Zentralbl Chir** 1983;108(16):1051–6 (Ger)
[Prevention of the incompetence of interintestinal anastomoses in peritonitis] Kulachek FG, et al. **Klin Khir** 1984 Jun;(6):71–2 (Rus)
[Use of low-frequency ultrasound and multicomponent collagen sheets to prevent dehiscence of intestinal sutures] Lutsevich OE, et al. **Sov Med** 1984;(3):54–8 (Eng. Abstr.) (Rus)
[Prevention of incompetence of sutures of the duodenal stump during gastrectomy in profuse duodenal ulcer hemorrhage] Polikov NG. **Vestn Khir** 1984 May; 132(5):27–9 (Eng. Abstr.) (Rus)
[Preventive measures in primary healing of episiotomies] Durolojkov M. **Jugosl Ginekol Opstet** 1983 Jan–Apr; 23(1–2):35–6 (Eng. Abstr.) (Ser)

RADIOGRAPHY

Fatal complication of the 'bonnet bypass': case report. Garrido E, et al. **Neurosurgery** 1983 Sep;13(3):320–1
[Early roentgen control following total gastrectomy] Sapounov S. **Chirurg** 1983 Aug;54(8):521–3 (Eng. Abstr.) (Ger)

SURGERY

Antegrade ureteral stenting for dehiscence, strictures, and fistulae. Lang EK. **AJR** 1984 Oct;143(4):795–801
Anatomical and physiological basis of parietal treatment of severe peritonitis and evisceration. Hannoun L, et al. **Anat Clin** 1984;5(4):235–43
Use of omental transposition flaps for soft-tissue reconstruction. Arnold PG, et al. **Ann Plast Surg** 1983 Dec; 11(6):508–12
Use of the omental free flap for soft-tissue reconstruction. Irons GB, et al. **Ann Plast Surg** 1983 Dec;11(6):501–7
Reconstruction of nonhealing perineal wounds with gracilis muscle flaps. Woods JE, et al. **Ann Plast Surg** 1983 Dec; 11(6):513–6
Dehiscence of aortic valve prostheses: analysis of a ten-year experience. Rizzoli G, et al. **Int J Cardiol** 1984 Aug; 6(2):207–21
Treatment of temporal scalp wound separation in the rhytidectomy patient. Vecchione TR. **Plast Reconstr Surg** 1984 May;73(5):837–9
[Treatment of eviscerations by an absorbable endoprosthesis] Samama G, et al. **Ann Chir** 1983 Dec;37(9):685–8 (Eng. Abstr.) (Fre)
[Inguinal hernia, recurrent hernia, rupture of scars] **Langenbecks Arch Chir** 1983;361:289–359 (Ger)
[Tactics and technic of abdominal closure in relaparotomy, abdominal dehiscence and peritonitis] Guthy E. **Zentralbl Chir** 1984;109(8):524–6 (Eng. Abstr.) (Ger)
[Rethoracotomy in the surgical treatment of lung cancer] Biriukov IuV, et al. **Grudn Khir** 1984 May–Jun;(3):45–9 (Eng. Abstr.) (Rus)
[Failure of the duodenal stump and gastrointestinal anastomosis after gastric resection in peptic ulcer] Aleksandrovich GL, et al. **Khirurgiia (Mosk)** 1984 Mar; (3):90–3 (Rus)
[Postoperative eventrations in appendicular peritonitis in children] Mankina NS, et al. **Klin Khir** 1984 Jun;(6):10–3 (Eng. Abstr.) (Rus)

THERAPY

Transrectal drainage of anastomotic leaks following low colonic anastomosis. Thorson AG, et al. **Dis Colon Rectum** 1984 Jul;27(7):492–4
Treatment of an anastomotic leak after ileocolostomy by percutaneous drainage and total parenteral nutrition. Feins RS, et al. **Wis Med J** 1984 Feb;83(2):15–6

SURGICAL WOUND INFECTION

BLOOD

[Pre- and postoperative fibronectin concentrations in the serum of patients with severe peritonitis in comparison with postoperative courses without complications] Seifert J, et al. **Chirurg** 1984 May;55(5):347–9 (Eng. Abstr.) (Ger)
[Do lowered hemoglobin and hematocrit levels have a favorable effect on early septic complications in colorectal surgery?] Jaeger K, et al. **Zentralbl Chir** 1983; 108(20):1287–92 (Eng. Abstr.) (Ger)
[Morphological characteristics of the erythrocytes of patients with suppurative surgical infection (light and scanning electron microscopy)] Kuzin MI, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):74–9 (Eng. Abstr.) (Rus)
[Diagnostic role of the determination of the plasma fatty acid spectrum in patients with suppurative surgical infection] Kuzin MI, et al. **Vestn Khir** 1984 May;132(5):3–8 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Prostaglandin E1 therapy. Is it associated with a higher incidence of wound infection in the cyanotic neonate? Fleming WH, et al. **Chest** 1984 Feb;85(2):241–3

COMPLICATIONS

Mediastinal cutaneous fistulae arising as a complication of major cardiac surgery: the value of sinography and injection of methylene blue in their radical excision and immediate repair. Herrera HR, et al. **Br J Plast Surg** 1983 Oct;36(4):421–4
Fatal toxic shock syndrome as a complication of orthopaedic surgery. A case report. Rovner RA, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):952–4
Surgical treatment of infected pseudoaneurysms after replacement of the ascending aorta. Bakker-de Wekker P, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):447–51
Acceleration of capsule formation around silicone implants by infection in a guinea pig model. Kossovsky N, et al. **Plast Reconstr Surg** 1984 Jan;73(1):91–8
Toxic shock syndrome with staphylococcal wound abscess after gynecologic surgery [letter] Spotkov J, et al. **South Med J** 1984 Jun;77(6):806
Abdominal sepsis in the surgical intensive care unit. Herman CM. **Surg Annu** 1984;16:1–12 (26 ref.)
Toxic shock syndrome due to occult postoperative wound infection. Bresler MJ. **West J Med** 1983 Nov;139(5):710–3
[Clinical experiences with postoperative osteomyelitis of the sternum with special reference to the use of gentamycin PMMA beads] Winzer KJ, et al. **Zentralbl Chir** 1983; 108(18):1163–7 (Ger)
[Arrosion of a common iliac artery following nephrectomy] Mambetalin ES, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug; (4):60–1 (Rus)

DIAGNOSIS

Changes in components of the plasma protease systems related to course and outcome of surgical sepsis. Smith-Erichsen N, et al. **Adv Exp Med Biol** 1984; 167:455–62
Complete blood cell counts after elective hysterectomy [letter] Chestnut D. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):475
Infection of occluded vascular grafts. Bunker TD. **Br J Clin Pract** 1984 Mar;38(3):116–7
Anaerobic infections in surgery. Smith EB. **J Natl Med Assoc** 1984 Feb;76(2):206–8
Postoperative intervertebral disc space infection. Rawlings CE 3d, et al. **Neurosurgery** 1983 Oct;13(4):371–6
Fever, leucocytosis and infection after open heart surgery. A log-linear regression analysis of 115 cases. Miholic J, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):45–8
[Infection from the viewpoint of the surgical intensive care physician] Inthorn D, et al. **Beitr Infusionther Klinis Ernahr** 1983;10:84–90 (Ger)
[Prediction of infectious complications in surgical patients] Kolesov AP, et al. **Vestn Khir** 1984 Feb;132(2):3–6 (Eng. Abstr.) (Rus)
[Immunoenzyme method of diagnosing suppurative-septic complications due to Pseudomonas aeruginosa and Proteus] Bulava GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):89–93 (Eng. Abstr.) (Rus)
['Vascular complication' of total hip prosthesis was most likely a deep infection] Lindberg L, et al. **Lakartidningen** 1984 Feb 8;81(6):428–9 (Swe)

DRUG THERAPY

Outcome of bacteremia in a surgical intensive care unit. Hemmer R, et al. **Acta Anaesthesiol Belg** 1983 Sep; 34(3):173–4
The role of muramyl dipeptide in the therapy of established experimental bacterial infection. Ausobsky JR, et al. **Br J Exp Pathol** 1984 Feb;65(1):1–9
A comparative study of netilmicin-cefoxitin and gentamicin-cefoxitin in surgical patients with serious systemic infection. Bubrick MP, et al. **Clin Ther** 1983; 5(5):515–24
Clinical studies on ceftazidime in surgery in Japan. Nakayama I. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:377–81
Ruptured femoral vein. A complication of the use of gentamicin beads in an infected excision arthroplasty of the hip. Fiddian NJ, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):493–4
Compatibility of several antibiotics or hydrocortisone when added to metronidazole solution for intravenous infusion. Bisaillon S, et al. **J Parenter Sci Technol** 1983 Jul–Aug; 37(4):129–32
Continual postoperative antibiotic peritoneal lavage in diffuse peritonitis complicating cesarean section. Rivlin ME, et al. **J Reprod Med** 1984 Mar;29(3):173–8
The use of antibiotics in pediatric abdominal surgery. Chang JH. **Pediatr Infect Dis** 1984 May–Jun;3(3):195–8
Antimicrobial therapy of infections following abdominal surgery. Schreiner A. **Scand J Gastroenterol [Suppl]** 1984; 90:77–81
Antibiotics in surgery. Hau T, et al. **Surg Annu** 1983; 15:177–205 (187 ref.)
Comparative study of parenteral piperacillin and cefoxitin in the treatment of surgical infections of the abdomen. Najem AZ, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):423–5
[Use of gentamicin-containing acrylic cement beads in septic complications of vascular surgery (letter)] Lefebvre-Vilardebo M, et al. **Presse Med** 1984 Jun 16; 13(25):1573–4 (Fre)
[Local antibiotic therapy of surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 8;101(34):1538–40 (Ger)
[Local antibiotic therapy of intrathoracic surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 22; 101(36):1631–4 (Ger)
[Treatment of palmar and tendon sheath infections following aponeurectomy with gentamycin PMMA minichains] Asche G. **Handchir Mikrochir Plast Chir** 1984 Jun; 16(2):93–6 (Eng. Abstr.) (Ger)
[Inflammatory conditions and indomethacin. Modification of severe life-threatening infections following surgery and injuries with indomethacin] Joncic DL. **Med Welt** 1983 Sep 16;34(37):1013–4 (Ger)
[Antibiotic therapy of surgical infections] Aeberhard P. **Ther Umsch** 1984 May;41(5):342–8 (Eng. Abstr.) (Ger)
[Clinical evaluation of cefroxadine in surgical infections] Hirayama T, et al. **Jpn J Antibiot** 1983 Jun;36(6):1435–8 (Eng. Abstr.) (Jpn)
[Clinical experience with cefoxitin in the field of gastrointestinal surgery] Ishikawa T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2007–16 (Eng. Abstr.) (Jpn)
[Clinical studies on effect of netilmicin in surgery] Nakayama I, et al. **Jpn J Antibiot** 1983 May;36(5):1109–31 (Eng. Abstr.) (Jpn)
[Experimental and clinical evaluation of latamoxef in pediatric surgery] Yura J, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2383–90 (Eng. Abstr.) (Jpn)
[Criteria for selection of the first, second and third generation cephem antibiotics. 2. Surgery] Sakai K, et al. **Nippon Rinsho** 1984 Mar;42(3):708–10 (Jpn)
[Use of gentamicin chains in the treatment of chronic suppurative osteomyelitis] Zwierzchowski H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):255–61 (Eng. Abstr.) (Pol)
[Clinico-laboratory evaluation of the effectiveness of the new aminoglycoside antibiotic brulamycin (tobramycin) in treating surgical infections] Blatun LA, et al. **Antibiotiki** 1984 Mar;29(3):228–32 (Eng. Abstr.) (Rus)
[Dimexide in the treatment of surgical wound infection] Danilenko MV, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):19–22 (Eng. Abstr.) (Rus)
[Early effective antibacterial therapy of suppurative processes and purulent complications after surgery] Furmanenko NF, et al. **Klin Khir** 1984 Jan;(1):68–70 (Eng. Abstr.) (Rus)
[Principles of antibiotic therapy in surgical infection] Navashin SM, et al. **Vestn Akad Med Nauk SSSR** 1983; (8):49–57 (Eng. Abstr.) (Rus)
[Urea as an antimicrobial and dehydration agent for the local treatment of suppurative surgical infection] Tiukina AA, et al. **Vestn Khir** 1984 Jul;132(7):57–9 (Eng. Abstr.) (Rus)
[Treatment, with immobilized antibacterial preparations, of postoperative suppurative-inflammatory complications in cancer patients] Kaban AP, et al. **Vrach Delo** 1984 Apr; (4):81–5 (Eng. Abstr.) (Rus)
[Cefoperazone. Experience in medico-surgical infections] López H, et al. **Rev Clin Esp** 1983 Oct 31;171(2):99–101 (Eng. Abstr.) (Spa)

ETIOLOGY

Wound complications after closure of abdominal incisions with Dexon or Vicryl. A randomized double-blind study. Gammelgaard N, et al. **Acta Chir Scand** 1983;149(5):505–8
Postoperative gas gangrene in abdomen and in extremity. A comparison in nine cases of clostridial myonecrosis. Knutson L. **Acta Chir Scand** 1983;149(6):567–71
Enclosure of bacteria within capillary multifilament sutures as protection against leukocytes. Osterberg B. **Acta Chir Scand** 1983;149(7):663–8
Effects of physical configuration and chemical structure of suture materials on bacterial adhesion. A possible link to wound infection. Chu CC, et al. **Am J Surg** 1984 Feb; 147(2):197–204
Femoral artery infection complicating intraaortic balloon pumping. Grantham RN, et al. **Am J Surg** 1983 Dec; 146(6):811–4
Should drains be used in routine cholecystectomy? Cathcart RS 3d, et al. **Am Surg** 1984 Sep;50(9):482–4
Does preoperative treatment with cimetidine increase the risk of postoperative infection? Lundell L, et al. **Ann Chir Gynaecol** 1983;72(6):312–6
The role of cimetidine in promoting infection after gastric surgery: primary or secondary effect? [editorial] Polk HC Jr, et al. **Ann Chir Gynaecol** 1983;72(6):289
Determinants of wound infection after colon surgery. Simchen E, et al. **Ann Surg** 1984 Mar;199(3):260–5
A prospective analysis of nosocomial wound infection after mastectomy. Beatty JD, et al. **Arch Surg** 1983 Dec; 118(12):1421–4
One instead of two knives for surgical incision. Does it increase the risk of postoperative wound infection? Hasselgren PO, et al. **Arch Surg** 1984 Aug;119(8):917–20
Echocardiographic features of bioprosthetic valve endocarditis. Nagata S, et al. **Br Heart J** 1984 Mar; 51(3):263–6
Bacterial contamination of intraocular lens surgery. Vafidis GC, et al. **Br J Ophthalmol** 1984 Aug;68(8):520–3
Splash basin contamination in orthopaedic surgery. Baird RA, et al. **Clin Orthop** 1984 Jul–Aug;(187):129–33

The significance of asymptomatic bacteriuria in patients undergoing hip/knee arthroplasty. Glynn MK, et al. **Clin Orthop** 1984 May;(185):151–4

Factors influencing the incidence and outcome of infection following total joint arthroplasty. Poss R, et al. **Clin Orthop** 1984 Jan–Feb;(182):117–26

Infection after total joint arthroplasty from distal extremity sepsis. Thomas BJ, et al. **Clin Orthop** 1983 Dec;(181):121–5

Audit of sepsis in operatioes for inflammatory bowel disease. Ambrose NS, et al. **Dis Colon Rectum** 1984 Sep;27(9):602–4

Contamination of irrigation solutions in an operating theatre. Andersson BM, et al. **Infect Control** 1984 Jul;5(7):339–41

Pneumococcal cellulitis [letter] Rodloff AC, et al. **Infection** 1983 Nov–Dec;11(6):346

Citrobacter diversus osteomyelitis. A case report. Boberg JS, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):300–4

The incidence of postoperative infection in outpatient podiatric surgery. Martin WJ, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):89–90

Complications during treatment of traumatic disruption of the suspensory apparatus in Thoroughbred horses. Bowman KF, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):706–15

Candida parapsilosis infection of a total hip-joint replacement: successful reimplantation after treatment with amphotericin B and 5-fluorocytosine. A case report. Younkin S, et al. **J Bone Joint Surg [Am]** 1984 Jan; 66(1):142–3

Charnley low-friction arthroplasty in diabetic patients. Menon TJ, et al. **J Bone Joint Surg [Br]** 1983 Nov; 65(5):580–1

Airborne contamination of wounds in joint replacement operations: the relationship to sepsis rates. Lidwell OM, et al. **J Hosp Infect** 1983 Jun;4(2):111–31

Multivariate analysis of determinants of postoperative wound infection in orthopaedic patients. Simchen E, et al. **J Hosp Infect** 1984 Jun;5(2):137–46

Post-operative wound infection with Gardnerella vaginalis. Sturm AW, et al. **J Infect** 1983 Nov;7(3):264–6

Does surgical glove powder decrease the inoculum of bacteria required to produce an abscess? Jaffray DC, et al. **J R Coll Surg Edinb** 1983 Jul;28(4):219–22

Management of the infected total joint arthroplasty. Rand JA, et al. **Orthop Clin North Am** 1984 Jul;15(3):491–504

An experimental model to assess factors associated with scleral buckle infection. Doft BH, et al. **Retina** 1983; 3(3):212–7

[3 cases of surgical wound superinfection in cerebral neurosurgery] Dautheribes M, et al. **Agressologie** 1983 Apr; 24(5):205–6 (Eng. Abstr.) (Fre)

[Evaluation of surgical infection in vascular and thoracic surgery. Prospective study of 2304 cases with special reference to type of operation and different types of infections] Andreassian B, et al. **Chirurgie** 1983;109(7):580–7 (Eng. Abstr.) (Fre)

[Septic complications of osteoarticular surgery in children] Mallet JF, et al. **Rev Chir Orthop** 1984;70 Suppl 2:101–4 (Fre)

[The hygienic significance of operating lights] Schmidt-Burbach G. **Unfallchirurgie** 1984 Jun;10(3):127–32 (Eng. Abstr.) (Ger)

[Infections in arterial reconstructive surgery after expanded polytetrafluoroethylene prosthesis] Leporelli P, et al. **Ann Ital Chir** 1983;55(6):513–24 (Ita)

[Sources of hospital infection in surgical wards] Kurdziel Z. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):159–63 (Eng. Abstr.) (Pol)

[Post-pericardiotomy syndrome] Piotrowska J, et al. **Kardiol Pol** 1983;26(7):595–600 (30 ref.) (Pol)

[Bacteroides infection in surgery (review of the literature)] Astrozhnikov IuV, et al. **Khirurgiia (Mosk)** 1983 Dec; (12):111–6 (57 ref.) (Rus)

[Surgical sepsis—current status of the problem] Kuzin MI, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):7–14 (Eng. Abstr.) (Rus)

[Possibilities of predicting inflammatory complications after extrafocal transosseous osteosynthesis] Gritsanov AI, et al. **Voen Med Zh** 1984 May;(5):29–31 (Rus)

[Effect of suture material on wound infection] Osterberg B. **Lakartidningen** 1984 Apr 25;81(17):1735–7 (Swe)

HISTORY

Airborne contamination of the operative wound. Ravitch MM, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):177–88

IMMUNOLOGY

Neutrophil function in surgical patients. Relationship to adequate bacterial defenses. Buffone V, et al. **Arch Surg** 1984 Jan;119(1):39–43

Modification of post-operative C. albicans sepsis by glucan immunostimulation. Browder IW, et al. **Int J Immunopharmacol** 1984;6(1):19–26

Role of preoperative Multitest findings on predicting postoperative infectious complications. Adami GF, et al. **Ital J Surg Sci** 1983;13(4):257–61

[Relationship of immunological status to infections complicating surgery of the large intestine] Nagy A, et al. **Zentralbl Chir** 1983;108(20):1272–9 (Eng. Abstr.) (Ger)

METABOLISM

Tissue oxygen tension in externally stabilized tibial fractures in rabbits during normal healing and infection. Aro H, et al. **J Surg Res** 1984 Sep;37(3):202–7

MICROBIOLOGY

Bacteriological assessment of patients undergoing major head and neck surgery. Bartzokas CA, et al. **Clin Otolaryngol** 1984 Apr;9(2):99–103

Comparison of wound edge flora after cataract surgery. Sharma SL, et al. **Indian J Ophthalmol** 1983 May; 31(3):281–4

The value of intraoperative wound cultures in predicting the bacteriology of wound infection after elective abdominal surgery. Waldron R, et al. **Ir J Med Sci** 1983 Aug; 152(8):300–2

Aerobic and anaerobic bacteria in neurosurgical infections. Per-operative culture with flexible contact agar film. Kamme C, et al. **J Hosp Infect** 1984 Jun;5(2):147–54

Caesarian section wounds 'infected' and 'uninfected' [letter] Meigh JA, et al. **J Hosp Infect** 1984 Mar;5(1):100–2

Characters of coagulase-negative staphylococci and micrococci from cases of endocarditis. Richardson JF, et al. **J Hosp Infect** 1984 Jun;5(2):164–71

Legionella pneumophila wound infection. Brabender W, et al. **JAMA** 1983 Dec 9;250(22):3091–2

Microbial contamination by a medical carbon dioxide laser. Eli I, et al. **Lasers Surg Med** 1983;3(1):39–44

Mycobacterium chelonei infections following eye surgery—Texas. **MMWR** 1983 Nov 18;32(45):591–2, 597–8

[Microbiologic studies of closed-wound drainage following urologic surgery] Ieger N, et al. **Khirurgiia (Sofiia)** 1983; 36(5):465–8 (Bul)

[Microbial contamination of the bile and its effects on the course of the surgical wound after cholecystectomy] Hanquinet P, et al. **Acta Chir Belg** 1984 Jan–Feb; 84(1):19–22 (Eng. Abstr.) (Fre)

[Prospective study of infection in biliary surgery. 3500 bacteriological samples in 509 surgically treated patients] Flament JB, et al. **Chirurgie** 1984;110(3):280–91 (Eng. Abstr.) (Fre)

[Pathogenic role of anaerobic bacteria in postoperative patients with digestive system surgery] Verhaeghe P, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):373–7 (Eng. Abstr.) (Fre)

[Pacemaker infection due to Achromobacter xylosoxidans] Ikeda K, et al. **Kyobu Geka** 1983 Sep;36(9):731–3 (Eng. Abstr.) (Jpn)

[Microbiological analysis of postoperative wound exudates from patients in general surgery clinics] Stelmaska-Dworak E, et al. **Wiad Lek** 1983 Dec 1;36(23):1931–5 (Eng. Abstr.) (Pol)

[Proteus infection of suppurative wounds and its antibacterial therapy] Kolker II, et al. **Sov Med** 1984;(5):118–20 (Rus)

[Bacteriological characteristics of a surgical hospital] Petrov VP, et al. **Vestn Khir** 1983 Jul;131(7):11–5 (Eng. Abstr.) (Rus)

[Serological passage of bacteria of the genus Providencia isolated from patients with wound, urological and intestinal infections] Raginskaia VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):44–7 (Eng. Abstr.) (Rus)

[Non-menstrual toxic shock syndrome] Fernández Guerrero ML, et al. **Rev Clin Esp** 1983 Oct 31;171(2):85–8 (Eng. Abstr.) (Spa)

[Bacteriological study of bile and/or gallbladder mucosa in patients operated on for biliary pathology] Nercelles P, et al. **Rev Med Chil** 1983 Apr;111(4):397–403 (Eng. Abstr.) (Spa)

OCCURRENCE

Effect of methods of postdischarge wound infection surveillance on reported infection rates. Rosendorf LL, et al. **Am J Infect Control** 1983 Dec;11(6):226–9

Wound infection following renal transplantation. Judson RT. **Aust NZ J Surg** 1984 Jun;54(3):223–4

Postoperative wound infection in foot and ankle surgery. Miller WA. **Foot Ankle** 1983 Sep–Oct;4(2):102–4

The incidence of wound sepsis in a community hospital. O'Malley MK, et al. **Ir J Med Sci** 1984 Apr;153(4):123–6

Neurosurgical wound infections: methodological and clinical factors affecting calculation of infection rates. Vlahov D, et al. **J Neurosurg Nurs** 1984 Jun;16(3):128–33

Postoperative wound infections in a children's hospital. Davis SD, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):114–6

Post-operative wound infection following gynaecological operations. Lui PS, et al. **Singapore Med J** 1984 Feb; 25(1):46–7

Relation between surgical volume and postoperative wound infection [letter] Greif JM, et al. **West J Med** 1984 Jan; 140(1):99–100

[Analysis of infectious sequelae of 1000 neurosurgical operations. Effects of prophylactic antibiotherapy] Raggueneau JL, et al. **Neurochirurgie** 1983;29(4):229–33 (Eng. Abstr.) (Fre)

[Infection incidence following closed or open nailing of closed fractures] Maatz R. **Aktuel Traumatol** 1983 Aug; 13(4):175–8 (72 ref.) (Eng. Abstr.) (Ger)

[Complications after pacemaker implantation in 129 consecutive patients] Sato T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):8–15 (Eng. Abstr.) (Jpn)

[Surgical wound infection in an angiology and vascular surgery service] Pujadas J, et al. **Angiologia** 1984 Sep–Oct; 36(5):219–27 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Cardiorespiratory and metabolic adequacy and their relation to survival in sepsis. Castagneto M, et al. **Circ Shock** 1983; 11(2):113–30

Wound healing in the intestinal wall. Effects of infection on experimental ileal and colonic anastomoses. Hesp FL, et al. **Dis Colon Rectum** 1984 Jul;27(7):462–7

[Changes in the vital systems in infection] Kuzin MI, et al. **Klin Med (Mosk)** 1983 Dec;61(12):78–82 (Rus)

PREVENTION & CONTROL

Prophylactic antibiotics in surgery. Naessens A, et al. **Acta Anaesthesiol Belg** 1983 Sep;34(3):163–71

Modern trends in colorectal surgery. Baradnay G, et al. **Acta Chir Hung** 1983;24(4):195–206

Comparison of metronidazole with doxycycline prophylaxis in elective colorectal surgery. A prospective, randomized multicentre study. Aberg C, et al. **Acta Chir Scand** 1984; 150(1):79–83

Single versus multiple dose doxycycline prophylaxis in elective colorectal surgery. Göransson G, et al. **Acta Chir Scand** 1984;150(3):245–9

Septic complications after appendicectomy for perforated appendicitis. A controlled clinical trial metronidazole and topical ampicillin. Schultz A, et al. **Acta Chir Scand** 1983; 149(5):517–20

Guideline for prevention of surgical wound infections. Simmons BP. **Am J Infect Control** 1983 Aug;11(4):133–43

Prevention of infection in high risk gastrointestinal surgery. Nichols RL. **Am J Med** 1984 May 15;76(5A):111–9 (42 ref.)

Perioperative antimicrobials at cesarean section: lavage versus three intravenous doses. Leveno KJ, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):463–4

Extraperitoneal cesarean section: a surgical form of infection prophylaxis? Wallace RL, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):172–7

Prophylaxis in surgical procedures. Johnson JT. **Am J Otolaryngol** 1983 Nov–Dec;4(6):433–4

Combined topical and systemic antibiotic prophylaxis in experimental wound infection. Bergamini TM, et al. **Am J Surg** 1984 Jun;147(6):753–6

Antimicrobial prophylaxis in elective colon surgery. Experience of 1,035 operations in a community hospital. Peck JJ, et al. **Am J Surg** 1984 May;147(5):633–7

Combined topical and systemic antibiotic prophylaxis in surgical wound infection [editorial] Pollock AV. **Am J Surg** 1984 Jun;147(6):838–9

Effects of gentamicin solution and cream on the healing of open wounds. Lee AH, et al. **Am J Vet Res** 1984 Aug; 45(8):1487–92

Prophylactic antibiotic usage in clean surgical procedures. Hoffman E. **Am Surg** 1984 Mar;50(3):161–4

Ampicillin versus cefamandole in biliary tract surgery. A prospective, randomized clinical and bacteriological study. Levi JU, et al. **Am Surg** 1984 Aug;50(8):412–7

Evaluation of efficacy of cefoxitin in the prevention of abdominal trauma infections. Mbawa NC, et al. **Am Surg** 1983 Nov;49(11):582–5

Colon operations without wound infection. Principles and techniques in 101 cases. Pello MJ, et al. **Am Surg** 1984 Jul;50(7):362–5

Whole bowel irrigation—an alternative to traditional bowel washout. Ho S, et al. **Ann Acad Med Singapore** 1983 Oct; 12(4):592–5

The prevention of wound infection after head and neck resections: a pilot study using gentamicin impregnated beads. Barton RP, et al. **Ann R Coll Surg Engl** 1984 Mar; 66(2):98–100

Metronidazole v ampicillin: differing effects on the postoperative recovery. Chant AD, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):96–7

The effect of cephradine prophylaxis on wound infection after arterial surgery through a groin incision. Chester JF, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):389–90

Topical antiseptics in addition to peroperative antibiotics in preventing post-appendicectomy wound infections. Galland RB, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):397–9

The place of antibiotics in preventing wound infection after clean operations in an Indian hospital: a prospective, randomised, controlled clinical trial. Nundy S, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):400–2

Surgical wound infections. A 5-year prospective study of 20,193 wounds at the Minneapolis VA Medical Center. Olson M, et al. **Ann Surg** 1984 Mar;199(3):253–9

Surgical suite reconstruction. Infection control. Adams RH, et al. **AORN J** 1984 Apr;39(5):868, 870, 872 passim

Efficacy of two third-generation cephalosporins in prophylaxis for head and neck surgery. Johnson JT, et al. **Arch Otolaryngol** 1984 Apr;110(4):224–7

Cefazolin sodium in prophylaxis [letter] Parell GJ. **Arch Otolaryngol** 1984 Sep;110(9):628

Ashley A. Miles and the prevention of infection following surgery. Presidential address. Burke JF. **Arch Surg** 1984 Jan;119(1):17–9

Trials on trial. A review of trials of antibiotic prophylaxis.

Evans M, et al. **Arch Surg** 1984 Jan;119(1):109–13

Systemic prophylactic antibiotics in elective biliary surgery. Kaufman Z, et al. **Arch Surg** 1984 Sep;119(9):1002–4

Combined preoperative antibiotic therapy and intraoperative topical povidone–iodine. Reduction of wound sepsis following emergency appendectomy. Sherlock DJ, et al. **Arch Surg** 1984 Aug;119(8):909–11

Skin staples in potentially contaminated wounds. Stillman RM, et al. **Arch Surg** 1984 Jul;119(7):821–2

Prophylactic administration of tinidazole in major gynaecological surgery. Chowdhury TA, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):163–6

The prevention of postappendicectomy sepsis by metronidazole and cotrimoxazole: a controlled double blind trial. Chiam HL, et al. **Aust NZ J Surg** 1983 Oct;53(5):421–5

Successful prophylaxis with tinidazole of infection after major head and neck surgery for malignant disease. Sweeney G, et al. **Br J Plast Surg** 1984 Jan;37(1):35–42

A Danish multicenter study: cefoxitin versus ampicillin + metronidazole in perforated appendicitis. **Br J Surg** 1984 Feb;71(2):144–6

Prophylaxis of postappendicectomy sepsis by metronidazole and cefotaxime; a randomized, prospective and double blind trial. Lau WY, et al. **Br J Surg** 1983 Nov;70(11):670–2

Single dose metronidazole with and without cefuroxime in elective colorectal surgery. Mitchell NJ, et al. **Br J Surg** 1983 Nov;70(11):668–9

Wound sepsis after low risk elective cholecystectomy: the effect of cefuroxime. Morran CG, et al. **Br J Surg** 1984 Jul;71(7):540–2

Wound infection following vasectomy. Randall PE, et al. **Br J Urol** 1983 Oct;55(5):564–7

Infection after abdominal surgery: five year prospective study. Krukowski ZH, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):278–80

Current status of antibiotic prophylaxis in surgical patients. Gilbert DN. **Bull NY Acad Med** 1984 May;60(4):340–57 (64 ref.)

Prevention and treatment of deep infection following total hip replacement. Josefsson G. **Can J Surg** 1983 Sep; 26(5):405–7

Are first–generation cephalosporins effective for antibiotic prophylaxis in elective surgery of the colon? Lewis RT, et al. **Can J Surg** 1983 Nov;26(6):504–7

Efficacy of a topical antibiotic irrigant in decreasing or eliminating bacterial contamination in surgical wounds. Benjamin JB, et al. **Clin Orthop** 1984 Apr;(184):114–7

Perioperative mezlociilin prophylaxis in cesarean section. Jaffe R, et al. **Clin Ther** 1984;6(4):467–74

Use of skin barriers in preventing surgical infections during operations. Moylan JA. **Curr Surg** 1983 Sep–Oct; 40(5):337–8

The prophylaxis of metronidazole in colorectal surgery. Olsen PR, et al. **Dan Med Bull** 1983 Sep;30(5):345–8

Intraincisional antibiotics in laparotomy wounds. Moesgaard F, et al. **Dis Colon Rectum** 1984 Mar;27(3):172–5

A controlled trial of a plastic wound ring drape to prevent contamination and infection in colorectal surgery. Nyström PO, et al. **Dis Colon Rectum** 1984 Jul;27(7):451–3

A simple regimen for control of postoperative sepsis in colorectal surgery. Rietz KA, et al. **Dis Colon Rectum** 1984 Aug;27(8):519–22

Wound infection rates following preoperative versus intraoperative commencement of antibiotic prophylaxis. Moesgaard F, et al. **Eur J Clin Microbiol** 1984 Jun; 3(3):199–202

Experimental animal model of surgical wound infection applicable to antibiotic prophylaxis. Moesgaard F, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):459–62

Mezlocillin single–dose prophylaxis in biliary tract surgery. Elke R, et al. **Eur Surg Res** 1983;15(6):297–301

Povidone–iodine (Betadine) as prophylaxis against wound infection in abdominal tubal ligation. Khanna A, et al. **Indian J Med Sci** 1984 Jan;38(1):1–2

Surgical scrub and skin disinfection. Ayliffe GA. **Infect Control** 1984 Jan;5(1):23–7

The cost implications of clean air systems and antibiotic prophylaxis in operations for total joint replacement. Lidwell OM. **Infect Control** 1984 Jan;5(1):36–7

Randomized clinical trial of short–term antibiotic prophylaxis in 750 patients undergoing vaginal and abdominal hysterectomy. Ferrari A, et al. **Int Surg** 1984 Jan–Mar; 69(1):21–7

The control of postoperative infection in general surgery. Ferraz EM, et al. **Int Surg** 1984 Jan–Mar;69(1):5–11

Systemic prophylaxis with gentamicin–metronidazole in appendicectomy and colorectal surgery: a prospective controlled clinical study. Gómez–Alonso A, et al. **Int Surg** 1984 Jan–Mar;69(1):17–20

Selective antibiotic prophylaxis in biliary surgery. Reiss R, et al. **Int Surg** 1984 Jan–Mar;69(1):13–6

Prophylactic antibiotics. Control of implant contamination. Hunter WN, et al. **J Am Podiatry Assoc** 1984 Jun; 74(6):284–90

Perioperative use of ceftazidime as a prophylactic agent in transurethral surgery. Childs SJ, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:71–6

Is pre–operative intra–incisional intra–parietal injection of antibiotics the ideal mode of administration as prophylaxis in abdominal surgery? Tanner AG. **J Antimicrob Chemother** 1984 Apr;13(4):305–8 (25 ref.)

Principles and methods of clean surgical wound irrigation. Hainge F, et al. **J Foot Surg** 1982 Winter;21(4):241–6

A prospective randomized trial to compare mezlocillin and metronidazole with cefuroxime and metronidazole as prophylaxis in elective colorectal operations. Ambrose NS, et al. **J Hosp Infect** 1983 Dec;4(4):375–82

Latamoxef for the prophylaxis of abdominal surgical wound infection: a controlled clinical trial. Ausobsky JR, et al. **J Hosp Infect** 1983 Sep;4(3):279–84

A comparison of pre–operative bathing with chlorhexidine–detergent and non–medicated soap in the prevention of wound infection. Ayliffe GA, et al. **J Hosp Infect** 1983 Sep;4(3):237–44

The influence of the total body exhaust suit on air and wound contamination in elective hip–operations. Blomgren G, et al. **J Hosp Infect** 1983 Sep;4(3):257–68

Metronidazole prophylaxis in colorectal surgery: the need for additional aminoglycoside? Hansell DT, et al. **J Hosp Infect** 1983 Dec;4(4):383–90

Prospective randomized trial of single dose cefuroxime against mezlocillin in elective gastric surgery. Morris DL, et al. **J Hosp Infect** 1984 Jun;5(2):200–4

Clinical and microbiological evaluation of piperacillin in elective biliary surgery. Morris DL, et al. **J Hosp Infect** 1983 Jun;4(2):159–64

Infection control for heart transplant operations. Newsom SW. **J Hosp Infect** 1984 Jun;5(2):118–20

An experimental evaluation of antiseptic wound irrigation. Platt J, et al. **J Hosp Infect** 1984 Jun;5(2):181–8

Prophylactic rectal metronidazole before appendicectomy: should we use it in children? [letter] Weaver LT. **J Hosp Infect** 1983 Jun;4(2):213–4

Suggested bacteriological standards for air in ultraclean operating rooms. Whyte W, et al. **J Hosp Infect** 1983 Jun; 4(2):133–9

Metronidazole in elective bowel surgery. Kapur ML, et al. **J Indian Med Assoc** 1983 Dec;81(11–12):191–3

Antimicrobial prophylaxis. Positano RG, et al. **J Natl Med Assoc** 1984 Jul;76(7):729, 732–6

Antibiotic prophylaxis in neurosurgery. A randomized controlled trial. Geraghty J, et al. **J Neurosurg** 1984 Apr; 60(4):724–6

Antibiotic prophylaxis in neurosurgery [letter] Hudson SJ, et al. **J Neurosurg** 1984 Sep;61(3):618–9

Metronidazole in the prevention of wound sepsis after elective colorectal surgery. Carr ND, et al. **J R Coll Surg Edinb** 1984 May;29(3):139–42

Peroperative cefoxitin. A double–blind prospective study in the prevention of wound infections. Utley RJ, et al. **J R Coll Surg Edinb** 1984 May;29(3):143–6

Effects of antibiotic prophylaxis on women undergoing nonelective cesarean section in a community hospital. Hager WD, et al. **J Reprod Med** 1983 Oct;28(10):687–90

A prospective comparison of two regimens of prophylactic antibiotics in abdominal trauma: cefoxitin versus triple drug. Hofstetter SR, et al. **J Trauma** 1984 Apr;24(4):307–10

Role of 'polyurethane membrane' in post operative wound management. Gardezi SA, et al. **JPMA** 1983 Sep; 33(9):219–22

One day vs. two days of prophylactic antibiotics in patients undergoing major head and neck surgery. Fee WE Jr, et al. **Laryngoscope** 1984 May;94(5 Pt 1):612–4

Antimicrobial prophylaxis for contaminated head and neck surgery. Johnson JT, et al. **Laryngoscope** 1984 Jan; 94(1):46–51

Clinical trial of prophylaxis of wound sepsis in elective colorectal surgery. Cephamandole with tinidazole versus tinidazole alone. **Med J Aust** 1983 Oct 29;2(9):440–3

Prophylaxis of anaerobic infections in obstetric surgery with injectable metronidazole. Scarpellini L. **Panminerva Med** 1984 Jan–Mar;26(1):19–22

Antimicrobial prophylaxis in pediatric surgical patients. American Academy of Pediatrics. Committee on infectious diseases, committee on drugs and section on surgery. **Pediatrics** 1984 Sep;74(3):437–9

Metronidazole v. cefoxitin in severe appendicitis—a trial to compare a single intraoperative dose of two antibiotics given intravenously. Corder AP, et al. **Postgrad Med J** 1983 Nov;59(697):720–3

Tinidazole prophylaxis in appendicectomies. A controlled study of single–dose versus 3–day therapy. Viitanen J, et al. **Scand J Gastroenterol** 1984 Jan;19(1):111–5

Penetration of antibiotics to tissues and infected foci. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;90:29–34

Antimicrobial prophylaxis in biliary and gastrointestinal surgery. Giercksky KE. **Scand J Gastroenterol [Suppl]** 1983; 85:104–10

Prophylactic regimens in colorectal surgery. Comparison between metronidazole used alone or in combination with either ampicillin or doxycycline. Roland M, et al. **Scand J Gastroenterol [Suppl]** 1984;90:37–52

Antimicrobial prophylaxis of infections in head and neck cancer surgery. Piccart M, et al. **Scand J Infect Dis [Suppl]** 1983;39:92–6

Prophylactic antibiotics in urologic surgery. Russo P, et al. **Semin Urol** 1983 May;1(2):155–63

Intraoperative antibiotic irrigation as prophylaxis in abdominal hysterectomy: a preliminary report. Nelson KJ, et al. **South Med J** 1984 Jun;77(6):700–2

A clinical evaluation of chlorhexidine gluconate spray as compared with iodophor scrub for preoperative skin preparation. Brown TR, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):363–6

A randomized prospective trial comparing the value of intravenous and preincisional cefamandole in reducing postoperative sepsis after operations upon the gastrointestinal tract. Dixon JM, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):303–7

Oral is superior to systemic antibiotic prophylaxis in operations upon the colon and rectum. Figueras–Felip J, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):359–62

Reducing the risk of wound infection in operations upon the colon. Gingold BS, et al. **Surg Gynecol Obstet** 1984 Jan; 158(1):9–12

Intraoperative antibiotic wound irrigation. Lord JW Jr. **Surg Gynecol Obstet** 1983 Oct;157(4):357–61

Povidone–iodine wound irrigation and wound sepsis. Rogers DM, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):426–30

A comparison of topical and systemic cefazolin for wound prophylaxis. Scher KS, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):117–9

Perioperative infection prophylaxis in vascular surgery—a randomized prospective study. Salzmann G. **Thorac Cardiovasc Surg** 1983 Aug;31(4):239–42

Wound prophylaxis in thoracic surgery: a new approach. Walker WS, et al. **Thorax** 1984 Feb;39(2):121–4

Wound infections in appendicitis: effective prophylaxis. Gaffney PR. **World J Surg** 1984 Jun;8(3):287–92

The influence of metronidazole prophylaxis and the method of closure on wound infection in non–perforating appendicitis in childhood. McLean MD, et al. **Z Kinderchir** 1983 Oct;38(5):283–5

[Use of chlorhexidine to control hospital infections following bladder surgery] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983; 36(4):352–4 (Bul)

[Use of antimicrobial polyamide cloth in oncosurgery] Dudunkov Z. **Khirurgiia (Sofiia)** 1983;36(5):496–8 (Eng. Abstr.) (Bul)

[Iodinated polyvinylpyrrolidone in gynecology and obstetrics] Presl J. **Cesk Gynekol** 1983 Sep;48(8):592–3 (Cze)

[Preventive antibiotics in vascular surgery: 25 years' experience at the Surgical Research Institute of Clinical and Experimental Medicine] Vaněk I, et al. **Rozhl Chir** 1984 Mar;63(3):197–203 (Eng. Abstr.) (Cze)

[Metronidazole or suction drainage. The value after abdominal hysterectomy] Poulsen HK, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3008–10 (Eng. Abstr.) (Dan)

[Fewer postoperative wound infections following a change of policy] Oostvogel HJ, et al. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):896–9 (Eng. Abstr.) (Dut)

[Trial prevention of the risk of infection during treatment of hydrocephalus in children by cerebrospinal fluid shunts] Duret N, et al. **Agressologie** 1983 May;24(6):239–42 (Eng. Abstr.) (Fre)

[Importance of the systematic culture of subcutaneous and extradural drainage tubes in neurosurgery] Fosse T, et al. **Agressologie** 1983 Apr;24(5):227–9 (Eng. Abstr.) (Fre)

[Peroperative prophylactic antibiotics in neurosurgery] Goldstein A, et al. **Agressologie** 1983 May;24(6):233–6 (Eng. Abstr.) (Fre)

[Antibiotic prophylaxis of postoperative infectious complications in neurosurgery] Urciuoli R, et al. **Agressologie** 1983 May;24(6):237–8 (Eng. Abstr.) (Fre)

[Evaluation by delayed hypersensitivity immune reactions of the infectious risk in digestive surgery. Experience with 1300 cases] Champault G. **J Chir (Paris)** 1984 Mar; 121(3):203–13 (Eng. Abstr.) (Fre)

[Evaluation of systemic antibiotic preventive treatment in colorectal surgery] Monrozies X, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):393–6 (Eng. Abstr.) (Fre)

[10 years' antibiotic prophylaxis in hip surgery] Reichel F. **Beitr Orthop Traumatol** 1983 Sep;30(9):450–8 (Eng. Abstr.) (Ger)

[Preventive use of antibiotics in surgery of the gastrointestinal tract] Hamelmann H, et al. **Chirurg** 1984 Apr;55(4):218–21 (Ger)

[Surgical hand disinfection using alcoholic rubbing disinfectants] Kalmár P, et al. **Chirurg** 1984 Apr;55(4):280–7 (Eng. Abstr.) (Ger)

[Perioperative antibiotic prophylaxis in elective splenectomy. A randomized prospective study] Seufert RM, et al. **Chirurg** 1984 Jun;55(6):381–4 (Eng. Abstr.) (Ger)

[Preventive use of antibiotics in vascular surgery] Vollmar J, et al. **Chirurg** 1984 Apr;55(4):227–31 (Ger)

[Indications for and results of intra–abdominal nebacetin instillation in surgical interventions in children] Willital GH. **Fortschr Med** 1983 Sep 15;101(35):1589–92 (Ger)

[Advantages and hazards of preventing infection following cesarean section—clinical and bacteriologic results of a high–dosage treatment with mezlocillin and oxacillin short–term preventive following clamping of the umbilical cord] Engel K, et al. **Geburtshilfe Frauenheilkd** 1984 Mar; 44(3):162–70 (Eng. Abstr.) (Ger)

[Effectiveness of pre–operative antibiotic prevention in hysterectomies and cesarean section] Hirsch HA, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):8–13 (Eng. Abstr.) (Ger)

[Hematogenous contact eczema following oral administration of neomycin] Menné T, et al. **Hautarzt** 1984 Jun; 35(6):319–20 (Eng. Abstr.) (Ger)

[Systemic mezlocillin prevention in elective colon surgery] Wenzel M, et al. **Med Welt** 1983 Sep 2;34(35):934–40 (Ger)

[A prospective, randomized comparative study between cefazolin and cefuroxime as perioperative antibiotic prevention in cardiovascular surgery] Geroulanos S, et al. **Schweiz Med Wochenschr** 1984 Mar 3;114(9):297–303 (Eng. Abstr.) (Ger)

[Recommendations for the systemic perioperative prevention of infections in gynecology and obstetrics] Kunz J, et al. **Schweiz Med Wochenschr** 1984 Jun 30;114(26):956–60 (Eng. Abstr.) (Ger)

[Experiences with perioperative short-term prevention in thoracic wall and colorectal surgery in children] Dietz HG, et al. **Z Kinderchir** 1984 Feb;39(1):3–5 (Eng. Abstr.) (Ger)

[Value of the routine documentation of wound infection and complication rates following general surgical interventions] Grundmann R, et al. **Zentralbl Chir** 1983;108(23):1485–96 (Eng. Abstr.) (Ger)

[Experience with intravenous metronidazole administration in the preoperative care of surgery of the large intestine] Vallent K, et al. **Zentralbl Chir** 1983;108(20):1293–8 (Eng. Abstr.) (Ger)

[Antibiotic prevention in surgery of the large intestine] Dionigi R, et al. **Minerva Chir** 1983 Jul 15–31; 38(13–14):1085–8 (Eng. Abstr.) (Ita)

[Short-term prevention with clindamycin and gentamicin in abdominal surgery. Randomized study] Ferrari G, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1089–94 (Eng. Abstr.) (Ita)

[Use of cefoxitin in the antibiotic prophylaxis of patients subjected to thoraco-pulmonary surgical intervention. Clinical and bacteriological study] Riggi M, et al. **Minerva Chir** 1984 Feb 15;39(3):161–4 (Eng. Abstr.) (Ita)

[Clinical evaluation of piperacillin in the urological field] Hayashida S, et al. **Hinyokika Kiyo** 1983 Apr;29(4):465–76 (Eng. Abstr.) (Jpn)

[Clinical experience with cefoxitin in the surgical field] Hirano Y, et al. **Jpn J Antibiot** 1984 Jan;37(1):104–10 (Eng. Abstr.) (Jpn)

[Clinical evaluation of latamoxef, an oxacephem antibiotic with special reference to transport of latamoxef into the lung tissues and prevention of postoperative infections after thoracotomy] Imaizumi M, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2081–92 (Eng. Abstr.) (Jpn)

[Clinical evaluation of cefmetazole for the prevention of postoperative wound infections] Konaga E, et al. **Jpn J Antibiot** 1984 Feb;37(2):247–55 (Eng. Abstr.) (Jpn)

[Experimental and clinical studies of latamoxef in intestinal surgery] Mori Y, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2093–7 (Eng. Abstr.) (Jpn)

[Clinical evaluation of cefoxitin in surgery] Namatame K, et al. **Jpn J Antibiot** 1983 Jun;36(6):1553–61 (Eng. Abstr.) (Jpn)

[Pharmacokinetic studies of cefmetazole in patients undergoing open-heart surgery] Sasahara K, et al. **Kyobu Geka** 1984 Mar;37(3):184–95 (Eng. Abstr.) (Jpn)

[Septic complications after total colectomy, excision of the rectal mucosa ileoanastomy and its prevention—with special reference to pelvic sepsis] Okamura T. **Nippon Geka Gakkai Zasshi** 1983 May;84(5):437–51 (Eng. Abstr.) (Jpn)

[Future of antibiotic therapy in various fields of medicine. 2. Surgery. b. Prophylactic administration of antibiotics] Nakayama I, et al. **Nippon Rinsho** 1984 Mar;42(3):582–6 (19 ref.) (Jpn)

[Netilmicin - its use in a surgical clinic] Orlowski T, et al. **Wiad Lek** 1983 Apr 15;36(8):639–43 (Eng. Abstr.) (Pol)

[Use of antibiotics for the prevention of postoperative suppurative complications in planned surgery] Kuzin MI, et al. **Antibiotiki** 1983 Jul;28(7):535–9 (Eng. Abstr.) (Rus)

[Prevention and cure of purulent postoperative wounds in patients with acquired heart lesions after surgery involving extracorporeal circulation] Malyshev IuI, et al. **Grudn Khir** 1984 Jul-Aug;(4):39–41 (Eng. Abstr.) (Rus)

[Bacteriologic monitoring of the microflora of wounds during autodermoplasty of patients with thermal burns] Kolker II, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):95–9 (Eng. Abstr.) (Rus)

[Immunotherapy of secondary immunologic deficiency states in patients with rheumatic heart disease] Solov'ev GM, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):54–8 (Eng. Abstr.) (Rus)

[Our experience in using Bulgarian antibacterial polyamide sheeting in surgical practice] Chetrafilov D, et al. **Khirurgiia (Sofiia)** 1983;36(6):544–7 (Eng. Abstr.) (Rus)

[Use of adsorbed staphylococcal anatoxin in the preoperative period in patients with ventral hernias] Iagovkin VF, et al. **Klin Khir** 1984 Mar;(3):64–5 (Rus)

[Aseptic method of anastomosing hollow viscera of the digestive system] Pekarskiĭ VV, et al. **Klin Khir** 1984 May; (5):59–60 (Rus)

[Method for preventing and treating suppurative complications of wounds] Balgabekov KI. **Ortop Travmatol Protez** 1983 Oct;(10):63 (Rus)

[Ultrasonic cavitation with antibacterial preparations in the primary surgical treatment of wounds] Mikhel'son ER, et al. **Ortop Travmatol Protez** 1983 Oct;(10):58 (Rus)

[Helium-neon laser in the prevention of suppuration and in the treatment of suppurative surgical wounds in tuberculotics] Demidov BS, et al. **Probl Tuberk** 1984 Jun; (6):50–3 (Eng. Abstr.) (Rus)

[Use of antimicrobial preparations in preventing the suppurative complications of abdominal operations] Korepanova VI, et al. **Sov Med** 1984;(1):73–7 (Rus)

[Prevention of wound suppuration after dental polyclinic operations] Biberman IaM, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):82–4 (Rus)

[Importance of the gnotobiological approach in the prevention and treatment of suppurative surgical infection in children] Isakov IuF, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):21–8 (Eng. Abstr.) (Rus)

[Risk factors and the prevention of suppurative complications in surgical patients] Kunitsyna TA, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):67–9 (Eng. Abstr.) (Rus)

[Continuous aspiration in prevention of postoperative wound suppuration] Kanshin NN, et al. **Vestn Khir** 1983 Jul; 131(7):15–8 (Eng. Abstr.) (Rus)

[Prevention of suppuration of surgical wounds in abdominal surgery] Korepanov VI, et al. **Vestn Khir** 1984 Jun; 132(6):129–34 (Eng. Abstr.) (Rus)

[Ways of improving bacteriological control in operating rooms] Nikishin VK, et al. **Vestn Khir** 1984 Mar; 132(3):129–30 (Rus)

[Electron microscopic study of the liver after experimentally resecting it and covering its surface with BAPP and BAPK] Penchev R, et al. **Vestn Khir** 1984 Feb;132(2):32–5 (Eng. Abstr.) (Rus)

[Use of CO2 laser for the prevention of postoperative wound suppuration] Skobelkin OK, et al. **Vestn Khir** 1984 Mar; 132(3):95–6 (Eng. Abstr.) (Rus)

[Prevention of post-appendectomy infections] Aguilar Luque J, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):121–5 (Eng. Abstr.) (Spa)

[Is the operation theater a necessity at an orthopedic surgery clinic?] Welin-Berger T. **Lakartidningen** 1983 Nov 30; 80(48):4672–3 (Swe)

RADIOGRAPHY

The drain-tract sinogram. Guide to the removal of drains and the diagnosis of postoperative abdominal sepsis. Dougherty SH, et al. **Am Surg** 1983 Sep;49(9):511–6

Use of computed tomography to assess mediastinal complications after median sternotomy. Kay HR, et al. **Ann Thorac Surg** 1983 Dec;36(6):706–14

CT appearance of a prosthetic methyl methacrylate mass mistaken for abscess. Beynon J, et al. **Radiology** 1984 Feb; 150(2):506

RADIONUCLIDE IMAGING

Indium-111 leucocyte scanning in the evaluation of painful hip arthroplasty. Mulamba L, et al. **Acta Orthop Scand** 1983 Oct;54(5):695–7

Demonstration of occult abdominal infection with indium-111 WBC and gallium-67 scintigraphy. Ahmed F, et al. **Clin Nucl Med** 1984 Jun;9(6):355–6

Detection of aortoarterial graft infections by leukocyte scintigraphy. Wilson DG, et al. **Clin Nucl Med** 1983 Sep; 8(9):421–3

Indium-111 oxine-labeled autologous leukocyte scans in the management of colorectal diseases. Crystal RF, et al. **Dis Colon Rectum** 1984 Apr;27(4):223–7

Laminectomy: effects on postoperative technetium and gallium scintigraphy. Silberstein EB, et al. **Radiology** 1984 Jun;151(3):785–7

RADIOTHERAPY

[Prevention of postoperative and wound complications—a promising direction of radiotherapy of nontumorous diseases] Kilkovskij AN, et al. **Radiobiol Radiother (Berl)** 1983;24(4):437–45 (Eng. Abstr.) (Ger)

SURGERY

Delayed aortic prosthetic reconstruction after removal of an infected graft. Reilly LM, et al. **Am J Surg** 1984 Aug; 148(2):234–9

Anatomical and physiological basis of parietal treatment of severe peritonitis and evisceration. Hannoun L, et al. **Anat Clin** 1984;5(4):235–43

Management of failed total hip arthroplasty with muscle flaps. Arnold PG, et al. **Ann Plast Surg** 1983 Dec; 11(6):474–8

Use of omental transposition flaps for soft-tissue reconstruction. Arnold PG, et al. **Ann Plast Surg** 1983 Dec; 11(6):508–12

Designing the latissimus dorsi free flap for knee coverage. Fisher J, et al. **Ann Plast Surg** 1983 Dec;11(6):554–62

A technique for skin grafting around abdominal wall fistulas. Fisher J, et al. **Ann Plast Surg** 1983 Dec;11(6):563–4

Use of the omental free flap for soft-tissue reconstruction. Irons GB, et al. **Ann Plast Surg** 1983 Dec;11(6):501–7

Coverage of the infected wound. Mathes SJ, et al. **Ann Surg** 1983 Oct;198(4):420–9

Priority of revascularization in patients with graft enteric fistulas, infected arteries, or infected arterial prostheses. Trout HH 3d, et al. **Ann Surg** 1984 Jun;199(6):669–83

The orthopedic approach in infected median sternotomy. Kinnard P, et al. **Can J Surg** 1984 May;27(3):297–8

Management of pelvic sepsis after Ivalon rectopexy. Lake SP, et al. **Dis Colon Rectum** 1984 Sep;27(9):589–90

Two-stage reimplantation for the salvage of infected total knee arthroplasty. Insall JN, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1087–98

Reimplantation for the salvage of an infected total knee arthroplasty. Rand JA, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1081–6

A six-year follow-up of infected total hip replacements managed by Girdlestone's arthroplasty. Bourne RB, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):340–3

The treatment of infected and uninfected non-union. Lifeso RM, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):573–9

Excision arthroplasty for infected total hip replacements. McElwaine JP, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):168–71

A surgical approach to infected descending thoracic aorta grafts. Case report and review of the literature. Fehrenbacher JW, et al. **J Indiana State Med Assoc** 1983 Sep;76(9):588–9

Use of trapezius muscle for closure of complicated upper spinal defects. Seyfer AE, et al. **Neurosurgery** 1984 Mar; 14(3):341–5

Reconstruction after median sternotomy infection. Pearl SN, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):47–52

[Importance of vitrectomy in suppurative endophthalmia following surgery of cataracts] Turut P, et al. **Bull Soc Ophtalmol Fr** 1983 Jun-Jul;83(6-7):809–15 (Eng. Abstr.) (Fre)

[Tactics and technic of abdominal closure in relaparotomy, abdominal dehiscence and peritonitis] Guthy E. **Zentralbl Chir** 1984;109(8):524–6 (Eng. Abstr.) (Ger)

[Treatment tactics in postoperative joint infection] Wissing H. **Zentralbl Chir** 1983;108(14):875–82 (Eng. Abstr.) (Ger)

[Surgical treatment of infected pacemaker] Nakayama Y, et al. **Kyobu Geka** 1983 Aug;36(8):671–3 (Eng. Abstr.) (Jpn)

[Surgical treatment of suppurative pericarditis after surgery with artificial circulation] Malakhova AV, et al. **Klin Khir** 1983 Jul;(7):42–4 (Eng. Abstr.) (Rus)

[Postoperative eventrations in appendicular peritonitis in children] Mankina NS, et al. **Klin Khir** 1984 Jun;(6):10–3 (Eng. Abstr.) (Rus)

[Surgical treatment of suppurative anterior mediastinitis after open heart surgery for congenital defects] Latsis AT, et al. **Vestn Khir** 1984 Feb;132(2):21–4 (Eng. Abstr.) (Rus)

THERAPY

Oxygen as an antibiotic. The effect of inspired oxygen on infection. Knighton DR, et al. **Arch Surg** 1984 Feb; 119(2):199–204

Intravenous gammaglobulin therapy for severe infections caused after treatment for malignant tumors of the female genital tract. Ito H, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):31–6

New approach to treatment of severe incisional abscesses following laparotomy. Wound closure under systemic antibiotic cover four days after drainage. Moesgaard F, et al. **Dis Colon Rectum** 1983 Nov;26(11):701–2

The use of an autogenous vaccine in the treatment of sternal wound infections following open heart procedures: a preliminary report. Livi U, et al. **Ital J Surg Sci** 1984; 14(1):17–20

Nosocomial postoperative tetanus infection. Brill LR, et al. **J Foot Surg** 1984 May-Jun;23(3):235–9

Management of recalcitrant median sternotomy wounds. Pairolero PC, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):357–64

Role of immunomodulation in surgical infections. Browder W. **Surv Immunol Res** 1983;2(3):299–301

[Treatment of severe wound infection after laparotomy by early resuturing] Moesgaard F, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3160–2 (Eng. Abstr.) (Dan)

[Anaerobic gangrene in the edges of a segmental hysterotomy. Severe infectious complication of a cesarean section. Sequelae. Apropos of a recent case] Rento JJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):525–32 (Eng. Abstr.) (Fre)

[Effect of infection morbidity on 5-year healing in radically operated cervix uteri cancer. 1968–1978 results] Gerstner GJ. **Gynakol Rundsch** 1984;24(2):98–104 (Ger)

[Current status of parenteral feeding with fat emulsions. Clinical experiences with infected patients] Eckart J, et al. **Infusionsther Klin Ernahr** 1983 Aug;10(4):172–82 (Eng. Abstr.) (Ger)

[Use of external fixation in the management of infectious complications of fractures] Kárpáti V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):33–42 (Eng. Abstr.) (Hun)

[Treatment of infected pseudarthroses by external fixation and temporary implantation of gentamicin chains] Börner M, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):45–8 (Eng. Abstr.) (Pol)

[Ultrasonics in the treatment of suppurative wounds] Kuznetsov VI, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):26–8 (Rus)

[Suppurative complications of hip joint endoprosthesis by the Sivash method] Dem'ianov VM, et al. **Ortop Travmatol Protez** 1983 Sep;(9):24–8 (Eng. Abstr.) (Rus)

[Our experience in immunohematologic evaluation of the

degree of effectiveness of hemosorption in surgical sepsis patients] Pashutin SB, et al. **Ter Arkh** 1983;55(11):117–9 **(Rus)**

[Principles of intensive therapy of sepsis] Avrutskiĭ MIa, et al. **Vestn Akad Med Nauk SSSR** 1984;(1):49–53 (Eng. Abstr.) **(Rus)**

[Intensive treatment of patients with surgical sepsis by means of dioxidine and hemosorption] Taranenko LD, et al. **Vestn Khir** 1983 Aug;131(8):48–50 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Non-sporeforming anaerobic bacteria in clean surgical wounds—air and skin contamination. Benediktsdóttir E, et al. **J Hosp Infect** 1984 Mar;5(1):38–49

VETERINARY

Focal metaphyseal osteomyelitis following open fracture in three horses. Stickle RL, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):797–8

Skin grafting in horses. Stashak TS. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):215–25 (16 ref.)

[Effect of herbazin 50 on the course of suppurative surgical infection in sheep] Karadzhov Ia, et al. **Vet Med Nauki** 1984;21(2):96–100 (Eng. Abstr.) **(Bul)**

[Epidemiological study of a multiresistant Enterobacter cloacae causing iatrogenic infection in a surgical unit] Baumgartner A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):73–7 (Eng. Abstr.) **(Ger)**

SURGICENTERS

Ambulatory surgery. Hospital-affiliated or freestanding units: which are best? Stetson PA. **AORN J** 1983 Dec; 38(6):1049–50, 1054

Elective surgery in a rural primary medical care program in the Central Amazon Valley. Dolan WV. **JAMA** 1984 Jan 27;251(4):498–501

ORGANIZATION & ADMINISTRATION

Block scheduling contributes to ambulatory surgery center success. Drier CA, et al. **AORN J** 1984 Mar;39(4):673–4

Strategies for ambulatory surgery. Poland V. **AORN J** 1984 Jun;39(7):1245, 1248–9, 1252–3

Con artist. Gray A. **Va Med** 1983 Nov;110(11):646–54

[Humanitarian mission in Kurdistan for International Medical Aid. How to settle and operate a surgical unit in a country at war] Grauwin MY. **LARC Med** 1984 Jun–Jul;4(6):388–91 **(Fre)**

[Results and perspectives of the activities of a center for emergency vascular surgery] Ratner GL, et al. **Sov Med** 1983;(8):61–3 **(Rus)**

[Principal ways of developing and improving ambulatory-polyclinical surgical services] Apanasenko BG, et al. **Vestn Khir** 1984 Mar;132(3):135–7 (31 ref.) **(Rus)**

SURVEY METHODS see **DATA COLLECTION**

SURVIVAL

Psychotherapy with survivors of the Beverly Hills Supper Club fire. Lindy JD, et al. **Am J Psychother** 1983 Oct; 37(4):593–610

Cognitive and personality functioning of Jewish holocaust survivors during the midlife transition (46–65) in Israel. Shanan J, et al. **Arch Psychol (Frankf)** 1983;135(4):275–94

Water survival: 20 years Canadian Forces aircrew experience. Brooks CJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):41–51

Physiological responses and survival time prediction for humans in ice-water. Hayward JS, et al. **Aviat Space Environ Med** 1984 Mar;55(3):206–11

Comparing survival distributions: a review for nonstatisticians. I. Muenz LR. **Cancer Invest** 1983; 1(5):455–66

Comparing survival distributions: a review for nonstatisticians. II. Muenz LR. **Cancer Invest** 1983; 1(6):537–45

Controlled psychodiagnostic studies of survivors of the Holocaust and their children. Rieck M, et al. **Isr J Psychiatry Relat Sci** 1983;20(4):312–24

Medical and social aspects of the nuclear arms race [editorial] Thomas L. **J Okla State Med Assoc** 1983 Aug;76(8):285–6

The danger of nuclear war [editorial] **Lancet** 1984 Apr 7; 1(8380):771

Survival in extreme conditions. Bloom M, et al. **Suicide Life Threat Behav** 1983 Fall;13(3):195–206

[Nutritional status during different regimens of consuming an emergency carbohydrate ration] Popov IG, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):80–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the nutritive status of canned meats in emergency 'survival' rations] Popov IG, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):59–68 (Eng. Abstr.) **(Rus)**

[Metabolism and nutritional status in plane crash situations without food reserves or with low-calorie rations] Popov IG, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):49–60 (Eng. Abstr.) **(Rus)**

SUSPENDING AGENTS see **EXCIPIENTS**

SUSPENSIONS

Bioavailability studies on an orally administered, oily suspension of a water soluble drug. Al-Hammami OM, et al. **Pharm Acta Helv** 1983;58(8):237–40

SUSTAINED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

SUTURE TECHNICS

Primary closure of the perineum and vacuum drainage after abdominoperineal excision. Brummelkamp WH, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):358–64

Sutures inserted into the gastric wall an experimental study. Bornemisza G, et al. **Acta Chir Hung** 1983;24(1):9–16

Contribution to the histological and microradiographic study of the craniostenosis. Dhem A, et al. **Acta Neurochir (Wien)** 1983;69(3–4):259–72

Absorbable intracutaneous skin closure after skin resection in entropion operations. Jensen KB, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):947–51

Abdominal wound closure. Carlson DC, et al. **Ala J Med Sci** 1984 Jan;21(1):49–53

A simple technique for securing a loop colostomy. Conklin WT, et al. **Am Surg** 1984 Sep;50(9):502

Anatomical and physiological basis of parietal treatment of severe peritonitis and evisceration. Hannoun L, et al. **Anat Clin** 1984;5(4):235–43

Vent stitch entrapment of Swan–Ganz catheters during cardiac surgery. Vucins EJ, et al. **Anesth Analg** 1984 Aug; 63(8):772–4

Adjusting adjustable eye muscle sutures in anesthetized patients. Bedrossian RH. **Ann Ophthalmol** 1983 Sep; 15(9):800, 802–4

Maintaining the first knot in instrument tying. Wittels NP. **Ann Plast Surg** 1984 May;12(5):483–4

One-layer colonic anastomosis with polyglycolic acid (Dexon) suture: a 3-year prospective audit. Motson RW, et al. **Ann R Coll Surg Engl** 1984 Jan;66(1):19–21

Techniques for multiple internal mammary artery bypass grafts. Tector AJ, et al. **Ann Thorac Surg** 1984 Sep; 38(3):281–6

Gillies' corner stitch revisited. McQuown SA, et al. **Arch Otolaryngol** 1984 Jul;110(7):450–3

Proper microsurgical nerve suture may impede Wallerian degeneration of completely transected nerves. An electron microscopic study. Erhart EA, et al. **Arq Neuropiquiatr** 1983 Sep;41(3):215–27

A simple two-handed surgeon's knot. Sandow MJ. **Aust NZ J Surg** 1984 Feb;54(1):75–6

Paralytic strabismus correction by adjustable suture technique. Docherty PT. **Br J Ophthalmol** 1984 May; 68(5):353–9

Rectosacral suture fixation for complete rectal prolapse in the elderly, the frail and the demented. Carter AE. **Br J Surg** 1983 Sep;70(9):522–3

The half blood knot for tying nylon in surgery. Wattchow DA, et al. **Br J Surg** 1984 May;71(5):333

Closure of laparoscopy incisions. Driscoll GL, et al. **Clin Reprod Fertil** 1982 Sep;1(3):241–2

Single-layer polypropylene colorectal anastomosis. Experience with 100 cases. Bailey HR, et al. **Dis Colon Rectum** 1984 Jan;27(1):19–23

Intestinal suturing. Review of the experimental foundations for traditional doctrines. Ballantyne GH. **Dis Colon Rectum** 1983 Dec;26(12):836–43 (51 ref.)

The experimental basis of intestinal suturing. Effect of surgical technique, inflammation, and infection on enteric wound healing. Ballantyne GH. **Dis Colon Rectum** 1984 Jan;27(1):61–71 (100 ref.)

Slip-knot flexor tendon suture in Zone II allowing immediate mobilisation. Brunelli G, et al. **Hand** 1983 Oct;15(3):352–8

Face lift, part 5: suspending sutures for platysma cording. Webster RC, et al. **Head Neck Surg** 1984 Mar–Apr; 6(4):870–9

Modulation of postkeratoplasty astigmatism by surgical and suturing techniques. Olson RJ. **Int Ophthalmol Clin** 1983 Winter;23(4):137–51

Modulation of postcataract astigmatism by suturing techniques. Stainer GA, et al. **Int Ophthalmol Clin** 1983 Winter;23(4):57–67

Freyer prostatectomy using a Malament suture—a five-year review. O'Malley VP, et al. **Ir Med J** 1984 Jul;77(7):206–8

Positioning an iris-clip IOL with an anterior loop stitch [letter] Shah P. **J Am Intraocul Implant Soc** 1984 Spring; 10(2):203–4

Acute rupture of the lateral ligament of the ankle. To suture or not to suture? Evans GA, et al. **J Bone Joint Surg [Br]** 1984 Mar;66(2):209–12

A novel instrument and technique for atraumatic wound closure. Azab AS, et al. **J Dermatol Surg Oncol** 1984 Mar; 10(3):176–9

The loop stitch. Bernstein G. **J Dermatol Surg Oncol** 1984 Aug;10(8):587

A permanent tendon-to-bone suture technique in the distal phalanx. Vercimak MP, et al. **J Hand Surg [Am]** 1984 Jan; 9A(1):146–7

A method of abdominal wound closure. Samson ID, et al. **J Med Soc NJ** 1984 Mar;81(3):205–10

Microvascular patch technique with and without Silastic T-tube bypass. Haines PC, et al. **J Neurosurg** 1984 Feb; 60(2):287–95

Muscular structural changes following fadenoperation. Alio JL, et al. **J Pediatr Ophthalmol Strabismus** 1984 May–Jun; 21(3):102–9

Suture fistula technique [letter] Shafer AD. **J Pediatr Surg** 1984 Jun;19(3):330–1

Burst abdomen. A preventable complication, monolayer closure of the abdominal incision with monofilament nylon. Mathur SK. **J Postgrad Med** 1983 Oct;29(4):223–9

Zigzag skin closure in the obese patient. Allison JG. **J R Coll Surg Edinb** 1983 Jul;28(4):270–1

Cervical cerclage. A review of 74 cases. Schwartz RP, et al. **J Reprod Med** 1984 Feb;29(2):103–6

Evaluation of suture techniques for mitral valve replacement. Newton JR Jr, et al. **J Thorac Cardiovasc Surg** 1984 Aug; 88(2):248–52

Surgical repair of extratemporal facial nerve: a comparison of suture repair and microfibrillar collagen repair. Parker G, et al. **Laryngoscope** 1984 Jul;94(7):950–3

Membrane approximation by continuous mattress sutures following septoplasty. Sessions RB. **Laryngoscope** 1984 May;94(5 Pt 1):702–3

Continuous- and interrupted-suture technique in microsurgical end-to-end anastomosis. Firsching R, et al. **Microsurgery** 1984;5(2):80–4

Comparison of suture technique on patency of polytetrafluoroethylene-microarterial anastomoses. Kon ND, et al. **Microsurgery** 1984;5(1):12–4

Effect of suture technique on blood velocity waveforms in the microvascular anastomosis of autogenous vein graft. Lee BY, et al. **Microsurgery** 1983;4(3):151–6

A microvascular surgical practice disc for beginners. Lee S, et al. **Microsurgery** 1983;4(1):67–9

Arterial anastomoses and autogenous interposition grafts in growing rats. Stoll AW, et al. **Microsurgery** 1983;4(4):245–9

Staplers, two- and one-layer manual suturing in gastrointestinal surgery—a retrospective study of 553 patients. De Ruiter P. **Neth J Surg** 1983 Sep;35(4):150–4

Outpatient cervical conization. Krebs HB. **Obstet Gynecol** 1984 Mar;63(3):430–4

Suture technique for implanting the superior notched loop of a posterior chamber intraocular lens. Bailey JR. **Ophthalmic Surg** 1983 Oct;14(10):861–2

Punctal ectropion test suture. Hecht SD, et al. **Ophthalmic Surg** 1984 Jul;15(7):598–9

Intracuticular versus subcuticular [letter] Petry JJ. **Plast Reconstr Surg** 1984 Mar;73(3):501

Nerve regeneration through synthetic biodegradable nerve guides: regulation by the target organ. Seckel BR, et al. **Plast Reconstr Surg** 1984 Aug;74(2):173–81

Impalement injuries of the palate. von Domarus H, et al. **Plast Reconstr Surg** 1983 Nov;72(5):656–8 (27 ref.)

Separation of sutured tendon ends when different suture techniques and different suture materials are used. An experimental study in rabbits. Nyström B, et al. **Scand J Plast Reconstr Surg** 1983;17(1):19–23

Symposium on surgical stapling techniques. **Surg Clin North Am** 1984 Jun;64(3):423–621

Automatic stapling techniques in abdominal hysterectomy. Beresford JM. **Surg Clin North Am** 1984 Jun;64(3):609–18

Experience with stapling in rectal surgery. Gordon PH, et al. **Surg Clin North Am** 1984 Jun;64(3):555–66

Stapling technique for primary and secondary rectal anastomoses. Griffen FD, et al. **Surg Clin North Am** 1984 Jun;64(3):579–90

Stapling in gastroesophageal surgery. Griffen WO Jr. **Surg Clin North Am** 1984 Jun;64(3):529–42

Experience with gastrointestinal stapling at the Massachusetts General Hospital. Hedberg SE, et al. **Surg Clin North Am** 1984 Jun;64(3):511–28

Stapling techniques involving lung parenchyma. Hood RM. **Surg Clin North Am** 1984 Jun;64(3):469–80

Stapling techniques in esophageal replacement. Humphrey EW. **Surg Clin North Am** 1984 Jun;64(3):499–510

Evaluation of the safety of end-to-end (EEA) stapling anastomoses across linear stapled closures. Julian TB, et al. **Surg Clin North Am** 1984 Jun;64(3):567–77

Varieties of stapled anastomoses in rectal resection. Ravitch MM. **Surg Clin North Am** 1984 Jun;64(3):543–54

Varieties of stapled anastomoses of the esophagus. Steichen FM. **Surg Clin North Am** 1984 Jun;64(3):481–98

Use of staplers in pulmonary surgery. Takaro T. **Surg Clin North Am** 1984 Jun;64(3):461–8

Stapling techniques in operations for malignant disease of the female genital tract. Wheeless CR Jr. **Surg Clin North Am** 1984 Jun;64(3):591–608

Reducing the risk of wound infection in operations upon the colon. Gingold BS, et al. **Surg Gynecol Obstet** 1984 Jan; 158(1):9–12

The surgeon's knot tied with one hand. Schaffer SR. **Surg Gynecol Obstet** 1984 Aug;159(2):171–2

A growth factor in fine vascular anastomoses. Starzl TE, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):164–5

A modified suture technique for tube gastrostomy. Strodel WE, et al. **Surg Gynecol Obstet** 1984 May;158(5):505–6

Skin sutures used as loop retractors during vasectomies. Reiss HF. **Urology** 1984 Apr;23(4):390–1

Complications following the use of the closed suturing technique for correction of left abomasal displacement in cows. Rutgers LJ, et al. **Vet Rec** 1983 Sep 17;113(12):255–7

[Results of application of continuous primary suture of the bronchial stump during pulmonary resection] Dakov I.

Khirurgiia (Sofiia) 1984;37(1):66–70 (Eng. Abstr.) (Bul)
[Experimental study on microsurgery and peripheral nerve suturing] Chen DS. Chung Hua I Hsueh Tsa Chih 1983 Jul;63(7):435–8 (Eng. Abstr.) (Chi)
[Microvascular anastomosis—assessment of modified continuous suturing in animal experiments] Zhou JG. Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1984 Feb; 17(1):12–5 (Eng. Abstr.) (Chi)
[Urgent (emergency) suture of the cervix for hemorrhage after childbirth] Balák K, et al. Cesk Gynekol 1984 May; 49(4):263–6 (Cze)
[Pilonidal cyst. A sequence treated with excision and primary suture] Angermann P, et al. Ugeskr Laeger 1984 Jan 2; 146(1):24–6 (Eng. Abstr.) (Dan)
[Is cervix cerclage a sensible procedure?] Slot MA, et al. Ned Tijdschr Geneeskd 1983 Oct 1;127(40):1813–6 (Dut)
[First Bo.elux Davis and Geck Symposium on surgical suture technics. Wound staples, adhesive plasters and suture materials] Rockele R. Acta Chir Belg 1983 Jul–Aug; 83(4):302–8 (Fre, Dut)
[The adventitial suture. Experimental study of its value in vascular microsurgery] el Danaf A, et al. Ann Chir Plast Esthet 1984;29(1):84–9 (Eng. Abstr.) (Fre)
[Experimental comparison of the reliability and speed of execution of 2 technics of vascular microsuture by triangulation and quadrangulation] Sokolow C, et al. Ann Chir Plast Esthet 1984;29(1):81–3 (Eng. Abstr.) (Fre)
[Suturing in blockage syndromes. Experience based on 7 ; ears and 130 cases] Hugonnier R, et al. Bull Soc Ophtalmol Fr 1983 Jun–Jul;83(6–7):823–5 (Fre)
[Interrupted sutures in keratoplasty] Mouillac–Gambarelli N, et al. Bull Soc Ophtalmol Fr 1983 Feb;83(2):315–6 (Eng. Abstr.) (Fre)
[Extra-capsular cataract operation using an artificial crystallin lens and 4 loop sutures of the iris. Safety method—apropos of 60 cases] Turut P, et al. Bull Soc Ophtalmol Fr 1983 Jun–Jul;83(6–7):765–8 (Eng. Abstr.) (Fre)
[Closing of median laparotomies: interrupted versus continuous sutures using slow absorption thread] Meyer P. Helv Chir Acta 1984 Jun;51(2):303–7 (Eng. Abstr.) (Fre)
[Experimental study of a new technic of sutureless tubal anastomosis in the rabbit] Sezeur A, et al. J Chir (Paris) 1983 Dec;120(12):713–5 (Eng. Abstr.) (Fre)
[Jejuno–ileal latero–lateral bypass. Defects of mechanical sutures] Doldi SB, et al. Presse Med 1984 Jun 16; 13(25):1571–2 (Eng. Abstr.) (Fre)
[Suture of the extensor tendons of the hand with assisted mobilization. Apropos of 120 cases] Allieu Y, et al. Rev Chir Orthop 1984;70 Suppl 2:69–73 (Fre)
[Experimental vascular microanastomosis: separated stitches or whip–stitch?] Mohr G, et al. Union Med Can 1984 Apr; 113(4):283–8 (Eng. Abstr.) (Fre)
[Anorectal continence following manual and mechanical anastomosis suture. Results of a controlled study of rectal surgery] Jostarndt L, et al. Chirurg 1984 Jun;55(6):385–90 (Eng. Abstr.) (Ger)
[Closure of the bile ducts following exploration] Lennert KA. Chirurg 1984 Jul;55(7):461–3 (Eng. Abstr.) (Ger)
[Technic of rectum anastomoses in rectum resection. A controlled study: instrumental suture versus hand suture] Thiede A, et al. Chirurg 1984 May;55(5):326–35 (Eng. Abstr.) (Ger)
[Posterior chamber intraocular lenses with additional fixation suture—indications and surgical technic] Konen C, et al. Fortschr Ophthalmol 1984;81(2):138–9 (Eng. Abstr.) (Ger)
[Microsurgical fascicular neurorrhaphy. Our method] Kuś H. Handchir Mikrochir Plast Chir 1983 Dec;15(4):235–7 (Eng. Abstr.) (Ger)
[Single–row wire suture of the sigmoid in Goodwin operations] Tóth C, et al. Z Urol Nephrol 1983 Nov; 76(11):707–11 (Eng. Abstr.) (Ger)
[Blocking of sliding knots—a supplement to surgical knots?] Meiss L. Zentralbl Chir 1983;108(16):1051–6 (Ger)
[Cesarean section using single–layer transisthmic uterine sutures] Koppel E, et al. Zentralbl Gynakol 1983; 105(23):1522–5 (Eng. Abstr.) (Ger)
[Comparative evaluation of the healing process of splenic lesions repaired with cyanoacrylate or with microsurgical sutures. Experimental research] Di Tondo U, et al. Ann Ital Chir 1983;55(2):179–94 (Eng. Abstr.) (Ita)
[Injuries of the anterior cruciate ligament. Indications and surgical technic] Aglietti P, et al. Arch Putti Chir Organi Mov 1983;33:301–8 (Eng. Abstr.) (Ita)
[Suture of the residual bronchus after pneumonectomy. Experimental use of a disposable mechanical suturing device] Latteri M, et al. Minerva Chir 1983 Sep 30; 38(18):1319–22 (Eng. Abstr.) (Ita)
[The EEA stapler in digestive surgery. Initial experience] Lombardi M, et al. Minerva Chir 1983 Sep 15;38(17):1263–6 (Eng. Abstr.) (Ita)
[Tissue response of the sagittal suture to mechanical stimulus—tissue culture method] Tsuchiya T. Kokubyo Gakkai Zasshi 1984 Mar;51(1):137–56 (Eng. Abstr.) (Jpn)
[Giant left atrium in mitral valve disease: a new plication procedure to relieve the compressions of left ventricular wall left bronchus and right lung] Kawazoe K, et al. Nippon Geka Gakkai Zasshi 1983 Jan;84(1):31–9 (Eng. Abstr.) (Jpn)
[Clinical investigations concerning the digital nerve suture using the microsurgical technique: with special reference to the evaluation of post–operative results] Usami F. Nippon Ika Daigaku Zasshi 1984 Jun;51(3):291–301 (Eng. Abstr.) (Jpn)
[Cerclage of the eyeball by the Arruga method with additional scleral buckling in the treatment of severe retinal detachment] Zagórski Z. Klin Oczna 1984 Feb;86(2):77–9 (Eng. Abstr.) (Pol)
[Suturing the incision in the lower uterine segment with endometrial clamping during cesarean section] Seiradov MD, et al. Akush Ginekol (Mosk) 1983 Aug;(8):54–6 (Eng. Abstr.) (Rus)
[Clinical use of everted intestinal sutures] Polda AI. Klin Khir 1984 Feb;(2):21–3 (Eng. Abstr.) (Rus)
[Intestinal sutures used in operations on the large intestine] Kanshin NN, et al. Sov Med 1984;(1):101–3 (Rus)
[Use of low–frequency ultrasound and multicomponent collagen sheets to prevent dehiscence of intestinal sutures] Lutsevich OE, et al. Sov Med 1984;(3):54–8 (Eng. Abstr.) (Rus)
[Morphological characteristics of the healing of mandibular fractures using a bone suture and a device for fixing bone fragments possessing a memory for shape] Panikarovskiĭ VV, et al. Stomatologiia (Mosk) 1984 Jan–Feb;63(1):6–10 (Eng. Abstr.) (Rus)
[Use of one–row sutures in gastrointestinal surgery] Kryshtal'skaia LR, et al. Vestn Khir 1984 Mar;132(3):100–1 (Rus)
[Protective suture in gastric and intestinal surgery] Nikitina TD, et al. Vestn Khir 1984 Mar;132(3):128 (Rus)
[Reducing the load on sutures during surgery of inguinal hernia] Zonov VF. Vestn Khir 1983 Sep;131(9):73–4 (Rus)
[New technic for continuous suturing in keratoplasty and cataract extraction] Krasnov MM. Vestn Oftalmol 1983 Sep–Oct;(5):67–8 (Rus)
[New method of using reinforced sutures in vascular surgery] Kushakovskiĭ OS, et al. Voen Med Zh 1984 May;(5):57–8 (Rus)
[Experimental microsurgical suturing of peripheral nerves] Belousov AE, et al. Zh Vopr Neirokhir 1983 Sep–Oct; (5):51–5 (Eng. Abstr.) (Rus)
[Indications and methods of treatment of injuries of the peripheral nerves. Comparative clinical results of the management of the median nerve and ulnar nerve using the epineural, perineural fascicular suture and transplantation] Margić K, et al. Acta Chir Iugosl 1983; 30(2):173–85 (Eng. Abstr.) (Ser)
[Suture of a child's spleen after trauma] Cimo D, et al. Bratisl Lek Listy 1984 May;81(5):603–5 (Eng. Abstr.) (Slo)
[Suture of peripheral meniscus rupture—a prospective study] Hamberg P, et al. Lakartidningen 1984 Aug 8; 81(32–33):2827–8 (Eng. Abstr.) (Swe)

ADVERSE EFFECTS

[Pitfalls of mechanical circular anastomoses] Stoppa R, et al. Presse Med 1984 Feb 11;13(5):281–2 (Eng. Abstr.) (Fre)

HISTORY

Classic articles in colonic and rectal surgery. William Stewart Halsted, 1852–1922. Circular suture of the intestine—an experimental study. Dis Colon Rectum 1984 Sep;27(9):633–7
Classic articles in colonic and rectal surgery. Donald Church Balfour, 1882–1963. A method of anastomosis between sigmoid and rectum. Dis Colon Rectum 1984 Aug; 27(8):559–62

INSTRUMENTATION

Apposing suture lines as an important factor towards neo–urethral fistulation in hypospadias surgery in children. Lau JT. Aust NZ J Surg 1983 Dec;53(6):573–5
Single layer abdominal wound closure in children. Narasimharao KL, et al. Aust NZ J Surg 1983 Dec; 53(6):577–9
A new purse–string instrument for low–stapled colorectal anastomoses. Rebuffat C, et al. Br J Surg 1984 Apr; 71(4):290
An instrument for the placement of multiple sutures for knee meniscus or ligament repair. Levy IM, et al. Clin Orthop 1984 Jun;(186):135–6
Suture holder for oral surgery. Kempf KK. J Oral Maxillofac Surg 1983 Nov;41(11):752
Endo–extralaryngeal needle carrier instrument. Lichtenberger G. Laryngoscope 1983 Oct;93(10):1348–50
Security of various knots commonly used in surgical practice. Trimbos JB. Obstet Gynecol 1984 Aug;64(2):274–80
Errors and pitfalls in stapling gastrointestinal tract anastomoses. Chassin JL, et al. Surg Clin North Am 1984 Jun;64(3):441–59
Contemporary stapling instruments and basic mechanical suture techniques. Steichen FM, et al. Surg Clin North Am 1984 Jun;64(3):425–40
[Transabdominal esophageal mucosal transection by using an auto–suture device (Takasago F–3000) in management of bleeding esophageal varices] Yu TJ, et al. Taiwan I Hsueh Hui Tsa Chih 1983 Apr;82(4):536–45 (Eng. Abstr.) (Chi)
[Technic of parietal retention using Maconor plates. Study of 4 years' of use at the Principal Hospital of Dakar] Breda Y, et al. Dakar Med 1983;28(1):251–6 (Eng. Abstr.) (Fre)
[Needles used in ocular microsurgery: comparative study using scanning electron microscopy] Colin J, et al. J Fr Ophtalmol 1984;7(1):63–70 (Eng. Abstr.) (Fre)
[A new modification of the mechanical suture technic in deep anastomosis of the rectum] Arlt B, et al. Chirurg 1984 Jan; 55(1):53–4 (Ger)
[Automatic suture devices: advantages and indications for gastrointestinal surgery] Allgöwer M, et al. Langenbecks Arch Chir 1984;362(2):139–50 (Ger)
[Use of polyester fibers in the surgical treatment of retinal detachment] Borowski J. Klin Oczna 1984 Feb;86(2):85–6 (Eng. Abstr.) (Pol)
[Treatment of patients with retinal detachment by the cerclage method] Huszcza A, et al. Klin Oczna 1984 Feb; 86(2):81–2 (Eng. Abstr.) (Pol)
[Use of new organ suturing instruments UDO–60 and UDO–38 in pediatric pulmonary surgery] Sergeev VM, et al. Grudn Khir 1984 Jul–Aug;(4):49–53 (Eng. Abstr.) (Rus)
[Gastrostomy with a stalk from the anterior wall of the stomach] Pirogov AI, et al. Khirurgiia (Mosk) 1983 Sep; (9):64–6 (Eng. Abstr.) (Rus)
[Method of suturing a cecostomy] Blinnichev NM, et al. Klin Khir 1984 Feb;(2):55–6 (Eng. Abstr.) (Rus)
[A needle for sutures in otorhinolaryngological operations] Markov GI, et al. Vestn Otorinolaringol 1984 Jan–Feb; (1):76 (Rus)
[Compression anastomoses in the surgery of transverse colon cancer] Knysh VI, et al. Vopr Onkol 1984;30(4):51–5 (Eng. Abstr.) (Rus)

STANDARDS

Total medial rectus loops in the treatment of convergent strabismus. Evens L. Bull Soc Belge Ophtalmol 1982; 201:41–6
Face lift, Part 4: Use of superficial musculoaponeurotic system suspending sutures. Webster RC, et al. Head Neck Surg 1984 Jan–Feb;6(3):780–91
New suturing material for medial canthal plication and repair. Mindlin AM, et al. Ophthalmic Surg 1984 Mar;15(3):210–1

VETERINARY

Evaluation of anastomoses of small intestine in dogs: crushing versus noncrushing suturing techniques. Bone DL, et al. Am J Vet Res 1983 Nov;44(11):2043–8
Esophagotomy in the pony: comparison of surgical techniques and form of feed. Stick JA, et al. Am J Vet Res 1983 Nov;44(11):2123–32
[Primary closure of the scrotal wound in the castration of stallions] Rutgers LJ, et al. Tijdschr Diergeneeskd 1983 Sep 15;108(18):717–22 (Eng. Abstr.) (Dut)

SUTURES

Experimental study of suture materials placed in the renal parenchyma. Mikó I, et al. Acta Chir Hung 1984;25(1):5–11
Absorbable suture in hernia repair. Dørflinger T, et al. Acta Chir Scand 1984;150(1):41–3
Enclosure of bacteria within capillary multifilament sutures as protection against leukocytes. Osterberg B. Acta Chir Scand 1983;149(7):663–8
Influence of capillary multifilament sutures on the antibacterial action of inflammatory cells in infected wounds. Osterberg B. Acta Chir Scand 1983;149(8):751–7
Recoiling suture and methylmethacrylate in aneurysm thrombosis. Preliminary report. Patil A, et al. Acta Neurochir (Wien) 1984;72(1–2):73–8
The use of a cautery for trimming exposed nylon sutures. Mansour AM, et al. Am J Ophthalmol 1983 Nov;96(5):691
Use of the argon laser in suture removal after cataract surgery [letter] Metz D, et al. Am J Ophthalmol 1984 Mar; 97(3):393–4
Effects of physical configuration and chemical structure of suture materials on bacterial adhesion. A possible link to wound infection. Chu CC, et al. Am J Surg 1984 Feb; 147(2):197–204
Bursting point of sutured limbal incisions. Weene LE. Ann Ophthalmol 1983 May;15(5):438–42
One–layer colonic anastomosis with polyglycolic acid (Dexon) suture: a 3–year prospective audit. Motson RW, et al. Ann R Coll Surg Engl 1984 Jan;66(1):19–21
Polypropylene suture fracture [letter] Aldrete V. Ann Thorac Surg 1984 Mar;37(3):264
Factors influencing peripheral nerve suture results. Müller H, et al. Arch Orthop Trauma Surg 1983;102(1):51–5
Abdominal wound closure with a continuous monofilament polypropylene suture. Experience with 1,000 consecutive cases. Knight CD, et al. Arch Surg 1983 Nov; 118(11):1305–8
Clinical and experimental studies with a resorbable transosseous ligature. Quayle AA, et al. Br J Oral Maxillofac Surg 1984 Feb;22(1):24–9
Differential effects of surgical suture materials in 1,2–dimethylhydrazine–induced rat intestinal neoplasia.

Calderisi RN, et al. **Cancer Res** 1984 Jul;44(7):2827–30
Flexible carbon fiber implants in the cervical spine [letter] Levander B, et al. **Clin Orthop** 1984 Jun;(186):311
Synthetic absorbable and nonabsorbable microsutures: a histological comparison. Driscoll GL, et al. **Clin Reprod Fertil** 1982 Jun;1(2):151–6
Immediate postplacental IUD insertion: a randomized trial of sutured (Lippes Loop and TCu22OC) and non-sutured (TCu22OC) models. Thiery M, et al. **Contraception** 1983 Oct;28(4):299–313
Single-layer polypropylene colorectal anastomosis. Experience with 100 cases. Bailey HR, et al. **Dis Colon Rectum** 1984 Jan;27(1):19–23
Histologic reaction to a new microsurgical suture in rabbit reproductive tissue. Leader A, et al. **Fertil Steril** 1983 Dec; 40(6):815–7
Comparison of the effects of polyglycolic acid and monofilament nylon sutures in the common bile duct of pigs. Galletti G, et al. **Ital J Surg Sci** 1984;14(2):111–7
Using the argon laser to cut corneoscleral sutures. Thompson FB. **J Am Intraocul Implant Soc** 1984 Winter;10(1):73–5
The effect of gamma irradiation on the enzymatic degradation of polyglycolic acid absorbable sutures. Chu CC, et al. **J Biomed Mater Res** 1983 Nov;17(6):1029–40
Polydioxanone in vascular surgery. First experience with an absorbable suture in femoro-popliteal bypass. Tuchmann A, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun; 25(3):225–9
Absorbable versus nonabsorbable suture for microneurorrhaphy. Cham RB, et al. **J Hand Surg [Am]** 1984 May;9(3):434–40
Burst abdomen. A preventable complication, monolayer closure of the abdominal incision with monofilament nylon. Mathur SK. **J Postgrad Med** 1983 Oct;29(4):223–9
Assessment of sutures for use in colonic surgery: an experimental study. Durdey P, et al. **J R Soc Med** 1984 Jun;77(6):472–7
Adhesion prophylaxis in rabbits with Surgicel and two absorbable microsurgical sutures. Galan N, et al. **J Reprod Med** 1983 Oct;28(10):662–4
Knotting and handling characteristics of coated synthetic absorbable sutures. Rodeheaver GT, et al. **J Surg Res** 1983 Dec;35(6):525–30
Efficacy of polyglycolic acid (Dexon) microsutures in peripheral nerve anastomoses in the rat: 1. Epineural suture. Lee S, et al. **Microsurgery** 1983;4(2):120–3
Effect of polyglycolic acid microsuture on rat uterine anastomoses. Lee S, et al. **Microsurgery** 1984;5(1):15–8
Security of various knots commonly used in surgical practice. Trimbos JB. **Obstet Gynecol** 1984 Aug;64(2):274–80
Brief ties with a vascular tourniquet. Lehmann AL. **Surg Gynecol Obstet** 1984 May;158(5):500–1
The role of seton in fistulotomy of the anus. Ramanujam PS, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):419–22
Abdominal wound closure—a comparison of monofilament nylon and polydioxanone [letter] Leese T, et al. **Surgery** 1984 Jan;95(1):125–6
Polydioxanone in cardiovascular surgery. Harjola PT, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):100–1
[Clindamycin in the primary suture of subcutaneous abscesses. A double-blind study of single dose compared with 4-day treatment] Larsen PN, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3162–4 (Eng. Abstr.) **(Dan)**
[Treatment of severe wound infection after laparotomy by early resuturing] Moesgaard F, et al. **Ugeskr Laeger** 1983 Oct 10;145(41):3160–2 (Eng. Abstr.) **(Dan)**
[First Benelux Davis and Geck Symposium on surgical suture technics. Wound staples, adhesive plasters and suture materials] Rockele R. **Acta Chir Belg** 1983 Jul–Aug; 83(4):302–8 **(Fre, Dut)**
[Biomechanical study of 3 types of trochanterotomies. Osteosynthesis with steel wire] Rouvillain JL, et al. **Acta Orthop Belg** 1983 Jul–Aug;49(4):495–511 **(Fre)**
[Comparative study of polypropylene, polyglactin 910 and polydioxanone for tracheal, esophageal and muscular sutures in rabbits] Guédon C, et al. **Ann Chir** 1983 Sep; 37(6):443–8 (Eng. Abstr.) **(Fre)**
[Synthetic absorbable polyglactine sutures in cataract surgery] Wade A, et al. **Dakar Med** 1983;28(3):405–7 (Eng. Abstr.) **(Fre)**
[Experimental study of an absorbable hemostatic clip] Ponsot Y, et al. **J Chir (Paris)** 1984 Jan;121(1):33–7 (Eng. Abstr.) **(Fre)**
[Absorbable polydioxanone monofilament in the surgery of the anterior segment of the eye] Desbordes JM, et al. **J Fr Ophtalmol** 1983;6(12):1007–10 (Eng. Abstr.) **(Fre)**
[Device for the smooth retention or relaxation of wire support sutures] Pelzl H, et al. **Chirurg** 1983 Dec; 54(12):821–2 **(Ger)**
[Resorbable suture material in cardiovascular surgery?] Tscheliessnigg KH, et al. **Chirurg** 1983 Nov;54(11):738–41 (Eng. Abstr.) **(Ger)**
[Suitability of resorbable sutures in the treatment of corneal wounds] Faulborn J, et al. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):464–6 (Eng. Abstr.) **(Ger)**
[Blood vessel wall regeneration in the use of a new monofilament, resorbable suture material for arterial anastomoses] Schmitz-Rixen T, et al. **Langenbecks Arch Chir** 1984;362(1):53–60 (Eng. Abstr.) **(Ger)**
[The problem of immobilization following tenosuture—an experimental study] Minta P. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(6):357–64 (Eng. Abstr.) **(Ger)**
[Tracheal tissue reactivity to sutures of polyglycolic acid and nylon. Comparative experimental study in swine] Galletti G, et al. **Minerva Chir** 1984 Feb 15;39(3):107–14 (Eng. Abstr.) **(Ita)**
[Experimental study of tensile strength at arterioprosthetic anastomosis] Kumamoto Y. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):102–9 (Eng. Abstr.) **(Jpn)**
[Choice of suture material] Andersen KS, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):405 **(Nor)**
[Suture materials in pulmonary and vascular surgery] Andersen KS, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29; 104(6):406–8 (Eng. Abstr.) **(Nor)**
[Suture materials in urology] Bakke A, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):410–2 (Eng. Abstr.) **(Nor)**
[Suture materials in surgery of the extremities] Mølster A, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):409–10 (Eng. Abstr.) **(Nor)**
[Usefulness of venous wall in prevention of adhesions after experimental tendon suture] Minta P. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):423–9 (Eng. Abstr.) **(Pol)**
[Is surgical treatment (circular suture by Mc Donald) of milder forms of cervix incompetence advisable?] Uszyński M, et al. **Ginekol Pol** 1983 Jul;54(7):465–70 (Eng. Abstr.) **(Pol)**
[Use of Magdeburg sutures in the treatment of senile entropion] Donotek-Barecka Z. **Klin Oczna** 1983 Oct; 85(10):361–2 (Eng. Abstr.) **(Pol)**
[Effect of the treatment of cervical incompetence in pregnant women by circular suture] Kowalski E, et al. **Przegl Lek** 1983;40(11):789–92 (Eng. Abstr.) **(Pol)**
[Choice of suture material for surgery on the biliary system] Muradaliev MA, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):105–7 (Eng. Abstr.) **(Rus)**
[Use of nichrome wire thread as a suture material] Korotkil VI, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):135 **(Rus)**
[Sutures for liver wounds] Milonov OB, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):127–9 **(Rus)**
[Experimental microanastomoses and microvenous autoprosthesis of veins using the microsurgical suture material 'Metallotraum'] Driuk NF, et al. **Klin Khir** 1983 Jul;(7):33–6 (Eng. Abstr.) **(Rus)**
[Experimental study of microsurgical atraumatic suture materials, Metallatraum and Ethilon] Mishalov VG, et al. **Klin Khir** 1984 Jan;(1):36–9 (Eng. Abstr.) **(Rus)**
[Gastrointestinal sutures in forming anastomoses after stomach operations] Chibis OA, et al. **Klin Med (Mosk)** 1984 Jan;62(1):91–5 (Eng. Abstr.) **(Rus)**
[Late sutures of the median and ulnar nerves] Goven'ko FS. **Ortop Travmatol Protez** 1983 Sep;(7):37–40 (Eng. Abstr.) **(Rus)**
[Serosophil—an absorbable suture material] Popovich TV. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):43–6 (Eng. Abstr.) **(Rus)**
[Hemostasis with removable sutures in the surgical treatment of prostatic adenoma] Mazin VV, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):54–6 (Eng. Abstr.) **(Rus)**
[Suturing defects of the walls of the right hepatic and inferior caval veins under conditions of retrograde perfusion of the liver] Granov AM, et al. **Vestn Khir** 1984 Jan;132(1):120–1 **(Rus)**
[The one-row wire suture in gastrointestinal surgery] Klimenko GA, et al. **Vestn Khir** 1984 May;132(5):58–9 **(Rus)**
[Protective suture in gastric and intestinal surgery] Nikitina TD, et al. **Vestn Khir** 1984 Mar;132(3):128 **(Rus)**
[Suture materials in cataract surgery] Dobromyslov AN, et al. **Vestn Oftalmol** 1983 Sep–Oct;(5):74–6 (75 ref.) **(Rus)**
[Proceedings of the 12th Intersectional Meeting of the Surgical Sections of Montenegro, Kosovo, Macedonia, Serbia, Vojvodina and Bosnia-Hercegovina. Jajce, 7 and 8 October 1982] **Acta Chir Iugosl** 1983;30 Suppl 2:1–164 **(Scr, Sec)**
[Vascular sutures using polyglycolic acid in growing arteries. Experimental study] Hernández González N, et al. **An Esp Pediatr** 1984 May;20(8):800–6 (Eng. Abstr.) **(Spa)**
[Effect of suture material on wound infection] Osterberg B. **Lakartidningen** 1984 Apr 25;81(17):1735–7 **(Swe)**

ADVERSE EFFECTS

Wound complications after closure of abdominal incisions with Dexon or Vicryl. A randomized double-blind study. Gammelgaard N, et al. **Acta Chir Scand** 1983;149(5):505–8
Giant papillary conjunctivitis in connection with corneoscleral supramid (nylon) suture knots. Wille H, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):75–83
Giant papillary conjunctivitis following cataract extraction. Friedman T, et al. **Ann Ophthalmol** 1984 Jan;16(1):50–2
Transepithelial elimination of suture material [letter] Goette DK. **Arch Dermatol** 1984 Sep;120(9):1137–8
Macroscopic and histologic tissue reaction to polydioxanone, a new, synthetic, monofilament microsuture. Laufer N, et al. **J Reprod Med** 1984 May;29(5):307–10
Acute, complete, extrinsic obstruction of the Björk-Shiley valve in the immediate postoperative period. Blasko EC, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):630–1
Colon cancer at sites of anastomosis [letter] Byrne PJ, et al. **Lancet** 1984 Jan 28;1(8370):225
Suture barb giant papillary conjunctivitis. Jolson AS, et al. **Ophthalmic Surg** 1984 Feb;15(2):139–40
Adverse reactions to virgin silk sutures in cataract surgery. Soong HK, et al. **Ophthalmology** 1984 May;91(5):479–83
Separation of sutured tendon ends when different suture techniques and different suture materials are used. An experimental study in rabbits. Nyström B, et al. **Scand J Plast Reconstr Surg** 1983;17(1):19–23
[Experimental study on the deleterious effect of silk suture in gastrointestinal anastomosis] Chen YY. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):84–6 (Eng. Abstr.) **(Chi)**
[Suture granuloma of the greater omentum simulating a tumor] Impieri M. **Ann Chir** 1984 May;38(4):313–4 (Eng. Abstr.) **(Fre)**
[Basic research on ultrasound surgery. VI: Comparative histological liver findings following treatment of the wound with ultrasound welding and suturing] Vetter J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):126–36 (Eng. Abstr.) **(Ger)**
[Failure of intestinal anastomosis in children] Stepanov EA, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):105–9 (Eng. Abstr.) **(Rus)**
[Suture threads as a cause of biliary calculi] Sitenko VM, et al. **Vestn Khir** 1984 Jan;132(1):47–52 (Eng. Abstr.) **(Rus)**

STANDARDS

Lifetime of polypropylene [letter] Casella JF, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):206–7
New suturing material for medial canthal plication and repair. Mindlin AM, et al. **Ophthalmic Surg** 1984 Mar;15(3):210–1
Comparison between absorbable and nonabsorbable, monofilament sutures for end-to-end arterial anastomoses in growing pigs. Steen S, et al. **Surgery** 1984 Feb; 95(2):202–8

VETERINARY

Comparison of carbon fibre and nylon suture for repair of transected flexor tendons in the horse. Nixon AJ, et al. **Equine Vet J** 1984 Mar;16(2):93–102

SUXAMETHONIUM see **SUCCINYLCHOLINE**

SV40 VIRUS

Transformation-associated changes in nuclear-coded mitochondrial proteins in 3T3 cells and SV40-transformed 3T3 cells. Zuckerman SH, et al. **Biochim Biophys Acta** 1984 Jul 20;804(3):285–90
Purification and partial amino acid sequence analysis of the cellular tumour antigen, p53, from mouse SV40-transformed cells. Leppard K, et al. **EMBO J** 1983; 2(11):1993–9
Transformation of mouse mammary epithelial cells by papovavirus SV40. Butel JS, et al. **Exp Mol Pathol** 1984 Feb;40(1):79–108
Extracellular matrix components produced by SV40-transformed human epidermal keratinocytes. Brown KW, et al. **Int J Cancer** 1984 Feb 15;33(2):257–63
Evidence for a transforming growth factor(s) in the serum-free conditioned medium of SV40-transformed 3T3 fibroblasts. Pirozzi S, et al. **Int J Cancer** 1984 Apr 15; 33(4):525–32
Transformation of rat cell by SV40 virus. Rosen P. **Med Hypotheses** 1983 Oct;12(2):125–8
[In vitro transformation of rat fibroblasts (3YI) with SV40: effect of cellular growth state, before and after virus inoculation, on frequency of transformation] Tamura H. **Fukuoka Igaku Zasshi** 1983 Dec;74(12):796–812 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Salt-resistant association of simian virus 40 T antigen with simian virus 40 DNA in nucleoprotein complexes. Rudolph K, et al. **J Virol** 1983 Aug;47(2):276–86
SV40 virus particles lack a psoralen-accessible origin and contain an altered nucleoprotein structure. Kondoleon SK, et al. **Virology** 1983 Sep;129(2):261–73

DRUG EFFECTS

Carcinogen-mediated induction of SV40 DNA amplification is enhanced by acrylamide in Chinese hamster CO60 cells. Vanhorick M, et al. **Carcinogenesis** 1983 Nov;4(11):1459–63

ENZYMOLOGY

Stepwise phosphorylation of the NH2-terminal region of the simian virus 40 large T antigen. Simmons DT. **J Biol Chem** 1984 Jul 10;259(13):8633–40

GENETICS

Analysis of gene expression using simian virus 40 vectors. Subramani S, et al. **Anal Biochem** 1983 Nov;135(1):1–15 (82 ref.)
The genetics of transformation by SV 40. Feunteun J, et al. **Arch Geschwulstforsch** 1983;53(4):301–2
The uptake and stability of simian-virus-40 DNA after calcium phosphate transfection of CV-1 cells. Strain AJ, et al. **Biochem J** 1984 Mar 1;218(2):475–82

Synthesis of simian virus 40 chromosomes in nuclear extracts from dihydroxyanthraquinone-treated cells. Ma X, et al. **Biochim Biophys Acta** 1984 Feb 24;781(1-2):173-82

Initiation of SV40 DNA replication after microinjection into Xenopus eggs. McTiernan CF, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):295-303

Repair of DNA-protein cross-links in an excision repair-deficient human cell line and its simian virus 40-transformed derivative. Gantt R, et al. **Cancer Res** 1984 May;44(5):1809-12

Structure of simian virus 40 DNA in primary and derived mouse tumors. Naimski P, et al. **Cancer Res** 1984 Sep; 44(9):3983-6

Heat shock protein synthesis and cell survival in clones of normal and simian virus 40-transformed mouse embryo cells. Omar RA, et al. **Cancer Res** 1984 Sep;44(9):3976-82

Metabolism of a transformation-sensitive amino acid fucoside in normal and simian virus 40-transformed human embryonic lung cells. Steiner SM, et al. **Cancer Res** 1984 Oct;44(10):4476-9

Enhancement of simian virus 40-induced transformation of nude mouse skin fibroblasts by 3-methylcholanthrene. Laaksonen AM, et al. **Carcinogenesis** 1984 Apr;5(4):489-94

Transgenic mice harboring SV40 T-antigen genes develop characteristic brain tumors. Brinster RL, et al. **Cell** 1984 Jun;37(2):367-79

The promoter-specific transcription factor Sp1 binds to upstream sequences in the SV40 early promoter. Dynan WS, et al. **Cell** 1983 Nov;35(1):79-87

Splicing pathways of SV40 mRNAs in X. laevis oocytes differ in their requirements for snRNPs. Fradin A, et al. **Cell** 1984 Jul;37(3):927-36

Essential contact residues within SV40 large T antigen binding sites I and II identified by alkylation-interference. Jones KA, et al. **Cell** 1984 Jan;36(1):155-62

Activation of the SV40 late promoter: direct effects of T antigen in the absence of viral DNA replication. Keller JM, et al. **Cell** 1984 Feb;36(2):381-9

Transformation mediated by the SV40 T antigens: separation of the overlapping SV40 early genes with a retroviral vector. Kriegler M, et al. **Cell** 1984 Sep;38(2):483-91

Construction and characterization of an SV40 mutant defective in nuclear transport of T antigen. Lanford RE, et al. **Cell** 1984 Jul;37(3):801-13

Specific interaction between enhancer-containing molecules and cellular components. Schöler HR, et al. **Cell** 1984 Feb; 36(2):403-11

Effect of a stem-loop structure within the SV40 replication origin upon SV40 T antigen binding to origin region sequences. Tenen DG, et al. **Cell** 1983 Sep;34(2):629-39

An SV40 'enhancer trap' incorporates exogenous enhancers or generates enhancers from its own sequences. Weber F, et al. **Cell** 1984 Apr;36(4):983-92

Proliferative activity and ribosomal RNA content of 3T3 and SV40-3T3 cells. Adam G, et al. **Cell Biol Int Rep** 1983 Nov;7(11):955-62

Unintegrated viral sequences in rat cells transformed by simian virus 40 and a temperature sensitive A gene mutant. Ramagopal S. **Cell Biol Int Rep** 1983 Sep;7(9):735-43

Nucleotide sequence-directed mapping of the nucleosomes of SV40 chromatin. Mengeritsky G, et al. **Cell Biophys** 1984 Mar;6(1):1-8

A mouse histone H4 gene carried by an SV40 vector is accurately expressed in infected monkey cells. Seiler-Tuyns A, et al. **DNA** 1984 Jun;3(3):215-22

Transcription of Simian Virus 40 chromosomes in an extract of HeLa cells. Beard P, et al. **EMBO J** 1982;1(1):9-14

High efficiency of replication and expression of foreign genes in SV40-transformed human fibroblasts. Boast S, et al. **EMBO J** 1983;2(12):2327-31

Both early and late control sequences of SV40 and polyoma promote transcription of Escherichia coli gpt gene in transfected cells. Bourachot B, et al. **EMBO J** 1982; 1(8):895-900

Detection of an element of the SV40 late promoter in vectors used for expression studies in COS cells. Cattaneo R, et al. **EMBO J** 1983;2(4):511-4

Assembly of transfected DNA into chromatin: structural changes in the origin-promoter-enhancer region upon replication. Cereghini S, et al. **EMBO J** 1984 Jun; 3(6):1243-53

Subclasses of simian virus 40 large T antigen: differential binding of two subclasses of T antigen from productively infected cells to viral and cellular DNA. Fanning E, et al. **EMBO J** 1982;1(9):1023-8

Expression of an mRNA coding gene under the control of an RNA polymerase I promoter. Fleischer S, et al. **EMBO J** 1983;2(12):2319-22

Simian virus 40 cRNA is processed into functional mRNA in microinjected monkey cells. Graessmann M, et al. **EMBO J** 1982;1(9):1081-8

Sequences controlling in vitro transcription of SV40 promoters. Hansen U, et al. **EMBO J** 1983;2(12):2293-303

Localization of T-antigen on simian virus 40 minichromosomes by immunoelectron microscopy. Harper F, et al. **EMBO J** 1984 Jun;3(6):1235-41

Elastic torsional strain in DNA within a fraction of SV40 minichromosomes: relation to transcriptionally active chromatin. Luchnik AN, et al. **EMBO J** 1982;1(11):1353-8

Host-specificities of papillomavirus, Moloney murine sarcoma virus and simian virus 40 enhancer sequences. Spandidos DA, et al. **EMBO J** 1983;2(7):1193-9

Unwinding of the DNA helix in simian virus 40 chromosome templates by RNA polymerase. Beard P, et al. **Eur J Biochem** 1984 Aug 15;143(1):39-45

Sister chromatid exchange in FR3T3 rat fibroblasts transformed by Simian virus 40. Cerni C, et al. **Exp Cell Res** 1984 Sep;154(1):83-94

A keratin of fetal skin is reexpressed in human keratinocytes transformed by SV40 virus or treated with the tumor promoter TPA. Darmon M, et al. **Exp Cell Res** 1984 Sep; 154(1):315-9

Visualization of anti-histone antibodies on SV40 minichromosomes by scanning transmission electron microscopy (STEM). Ghose D, et al. **Exp Cell Res** 1983 Aug;147(1):135-42

Regulation of lysosomal autophagy in transformed and non-transformed mouse fibroblasts under several growth conditions. Knecht E, et al. **Exp Cell Res** 1984 Sep; 154(1):224-32

Re-expression of differentiated properties in SV40-infected human epidermal keratinocytes induced by 5-azacytidine. Okada N, et al. **Exp Cell Res** 1984 Jul;153(1):198-207

Cellular content of ribosomal RNA in relation to the progression and competence signals governing proliferation of 3T3 and SV40-3T3 cells. Seuwen K, et al. **Exp Cell Res** 1984 Sep;154(1):10-24

Transformation of teratocarcinoma stem cells and fibroblasts with various vectors containing the Eco.gpt gene as a selection marker. Thillet J, et al. **Exp Cell Res** 1984 Apr; 151(2):494-501

Virus genome integration as a function of the host cell genome replicative cycle. Eremenko T, et al. **FEBS Lett** 1984 Apr 24;169(2):211-4

Molecular cloning and restriction mapping of a simian virus 40 deletion mutant derived from simian transformants expressing a non-karyophilic T antigen. Fantuzzi LF, et al. **FEBS Lett** 1984 May 7;170(1):125-30

Methylation of the SV40 HpaII site does not affect late viral gene expression in microinjected tissue culture cells. Graessmann M, et al. **FEBS Lett** 1984 Jul 23;173(1):151-4

A novel eukaryotic promoter element: the simian virus 40 72 base pair repeat. Wasylyk B, et al. **Fed Proc** 1984 Feb; 43(2):226-34

Expression in E. coli of a fusion protein encoded by parts of the SV40 and EBV genomes. Arrand JR. **Folia Biol (Praha)** 1984;30 Spec No:18-28

Inhibition of initiator-induced SV40 gene amplification in SV40-transformed Chinese hamster cells by infection with a defective parvovirus. Schlehofer JR, et al. **Int J Cancer** 1983 Nov 15;32(5):591-5

Changes in cellular DNA sequence adjacent to integrated viral genome in transplantable and nontransplantable guinea pig cells transformed by SV40. Iwamura Y, et al. **Intervirology** 1984;21(4):195-202

The inability of in vitro transforming SV40 subgenomes to cause tumors in vivo. Moyer MP, et al. **Intervirology** 1984; 21(2):87-95

Excision repair of pyrimidine dimers from simian virus 40 minichromosomes in vitro. Evans DH, et al. **J Biol Chem** 1984 Aug 25;259(16):10252-9

Simian virus 40-infected, interferon-treated cells contain 2',5'-oligoadenylates which do not activate cleavage of RNA. Hersh CL, et al. **J Biol Chem** 1984 Feb 10; 259(3):1731-7

Increased membrane-associated nucleoside diphosphate kinase activity as a possible basis for enhanced guanine nucleotide-dependent adenylate cyclase activity induced by picolinic acid treatment of simian virus 40-transformed normal rat kidney cells. Kimura N, et al. **J Biol Chem** 1983 Oct 25;258(20):12609-17

Preferential stimulation of transcription from simian virus 40 late and adeno IVa2 promoters in a HeLa cell extract. Natarajan V, et al. **J Biol Chem** 1983 Dec 10; 258(23):14652-5

Recombination in simian virus 40-infected cells. Structure of naturally arising variants ev-2114, ev-2102, and ev-1110. Sheflin L, et al. **J Biol Chem** 1983 Dec 10;258(23):14315-21

The uncoupling of macromolecular synthesis from cell division in SV3T3 cells by glucocorticoids: the imposition of a G2 block. Das HR, et al. **J Cell Physiol** 1983 Nov; 117(2):241-8

Changes in the levels of viral and cellular gene-transcripts in the cell cycle of SV40 transformed mouse cells. La Bella F, et al. **J Cell Physiol** 1983 Oct;117(1):62-8

Cell growth and differentiation in vitro in mouse macrophages transformed by a tsA mutant of simian virus 40. II. Changes in the distribution of DNA content during the reversible transition between macrophage and nonmacrophage states in the cultures of tsA640-transformed macrophages. Tanigawa T, et al. **J Cell Physiol** 1984 Aug;120(2):242-8

The physical state of hybrid genomes containing simian virus 40 and bovine papilloma virus DNA sequences in transformed clonal cell lines. Lehn H, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1413-8

Control of late simian virus 40 transcription by the attenuation mechanism and transcriptionally active ternary complexes are associated with the nuclear matrix. Abulafia R, et al. **J Mol Biol** 1984 Feb 5;172(4):467-87

DNA sequence studies of simian virus 40 chromosomal excision and integration in rat cells. Bullock P, et al. **J Mol Biol** 1984 Mar 25;174(1):55-84

Simian virus 40 illegitimate recombination occurs near short direct repeats. Hasson JF, et al. **J Mol Biol** 1984 Jul 25; 177(1):53-68

Sequence specificity for the initiation of RNA-primed simian virus 40 DNA synthesis in vivo. Hay RT, et al. **J Mol Biol** 1984 May 15;175(2):131-57

Rearrangements of host and viral DNA in mouse cells transformed by simian virus 40. Mounts P, et al. **J Mol Biol** 1984 Aug 15;177(3):431-60

Transformation of human choroid cells in vitro by SV40. Ultrastructural and cytogenetic analysis of cloned cell lines. Carruba G, et al. **J Submicrosc Cytol** 1984 Jul;16(3):459-70

Tumor induction by simian virus 40 in mice is controlled by long-term persistence of the viral genome and the immune response of the host. Abramczuk J, et al. **J Virol** 1984 Feb;49(2):540-8

Large-T-antigen-p53 complex formation is not cold sensitive in a cold-sensitive transformant induced by simian virus 40 mutant tsA1499. Bouck N, et al. **J Virol** 1984 Mar; 49(3):997-1001

A functional simian virus 40 origin of replication is required for the generation of a super T antigen with a molecular weight of 100,000 in transformed mouse cells. Chen S, et al. **J Virol** 1983 Nov;48(2):492-502

Evidence for variation of supercoil densities among simian virus 40 nucleoprotein complexes and for higher supercoil density in replicating complexes. Chen SS, et al. **J Virol** 1984 Jul;51(1):14-9

Critical spatial requirement within the origin of simian virus 40 DNA replication. Cohen GL, et al. **J Virol** 1984 Jul; 51(1):91-6

Localization of the simian virus 40 small t antigen in the nucleus and cytoplasm of monkey and mouse cells. Ellman M, et al. **J Virol** 1984 May;50(2):623-8

Simian virus 40 late promoter region able to initiate simian virus 40 early gene transcription in the absence of the simian virus 40 origin sequence. Ernoult-Lange M, et al. **J Virol** 1984 Apr;50(1):163-73

DNA binding properties of a mutant T antigen from the simian virus 40-transformed human cell line simian virus 80. Gruss C, et al. **J Virol** 1984 Jun;50(3):943-6

The adenovirus type 2-simian virus 40 hybrid virus Ad2+ND4 requires deletion variants to grow in monkey cells. Lewis AM Jr, et al. **J Virol** 1983 Aug;47(2):344-53

Binding of simian virus 40 a protein to DNA with deletions at the origin of replication. Lewton BA, et al. **J Virol** 1984 Jan;49(1):9-13

Subcellular distribution of viral structural proteins during simian virus 40 infection. Lin W, et al. **J Virol** 1984 May; 50(2):363-71

Suppression of a VP1 mutant of simian virus 40 by missense mutations in serine codons of the viral agnogene. Margolskee RF, et al. **J Virol** 1983 Nov;48(2):405-9

Simian virus 40 mutant T antigens with relaxed specificity for the nucleotide sequence at the viral DNA origin of replication. Margolskee RF, et al. **J Virol** 1984 Feb; 49(2):386-93

Two types of deletion within integrated viral sequences mediate reversion of simian virus 40-transformed mouse cells. Maruyama K, et al. **J Virol** 1984 Feb;49(2):479-89

Oligomerization of simian virus 40 large T antigen is not necessarily repressed by temperature-sensitive A gene lesions. Montenarh M, et al. **J Virol** 1984 Mar;49(3):658-64

Temperature-sensitive BC mutants of simian virus 40: block in virion assembly and accumulation of capsid-chromatin complexes. Ng SC, et al. **J Virol** 1984 May;50(2):471-7

Immunoprecipitation of some forms of simian virus 40 large-T antigen by antibodies to synthetic peptides. Paucha E, et al. **J Virol** 1984 Sep;51(3):670-81

Sequences locating the 5' ends of the major simian virus 40 late mRNA forms. Piatak M, et al. **J Virol** 1983 Nov; 48(2):503-20

Polyomavirus and simian virus 40 large T antigens bind to common DNA sequences. Pomerantz BJ, et al. **J Virol** 1984 Mar;49(3):925-37

Chromosomal sites of integration of simian virus 40 DNA sequences mapped by in situ hybridization in two transformed hybrid cell lines. Rabin M, et al. **J Virol** 1984 Feb;49(2):445-51

Antigenic structure of simian virus 40 large tumor antigen and association with cellular protein p53 on the surfaces of simian virus 40-infected and -transformed cells. Santos M, et al. **J Virol** 1984 Aug;51(2):376-83

Differential phosphorylation of cytoplasmic and nuclear variants of simian virus 40 large T antigen encoded by simian virus 40-adenovirus 7 hybrid viruses. Scheidtmann KH, et al. **J Virol** 1984 May;50(2):636-40

Infection of eucaryotic cells by helper-independent recombinant adenoviruses: early region 1 is not obligatory for integration of viral DNA. Van Doren K, et al. **J Virol** 1984 May;50(2):606-14

Expression of hepatitis B antigens with a simian virus 40 vector. Will H, et al. **J Virol** 1984 May;50(2):335-42

The number of ribosomes on simian virus 40 late 16S mRNA is determined in part by the nucleotide sequence of its leader. Barkan A, et al. **Mol Cell Biol** 1984 Apr;4(4):813-6

Simian virus 40 major late promoter: an upstream DNA sequence required for efficient in vitro transcription. Brady J, et al. **Mol Cell Biol** 1984 Jan;4(1):133-41

Reacquisition of a functional early region by a mouse transformant containing only defective simian virus 40 DNA. Chen S, et al. **Mol Cell Biol** 1984 Apr;4(4):666-70

Energy requirement for degradation of tumor-associated

protein p53. Gronostajski RM, et al. **Mol Cell Biol** 1984 Mar;4(3):442–8

Chromatin structure of simian virus 40–pBR322 recombinant plasmids in COS–1 cells. Innis JW, et al. **Mol Cell Biol** 1983 Dec;3(12):2203–10

S1 mapping of purified nascent transcripts of simian virus 40. Lycan DE, et al. **Mol Cell Biol** 1984 Apr;4(4):625–33

Human embryonic kidney cells: stable transformation with an origin–defective simian virus 40 DNA and use as hosts for human papovavirus replication. Major EO, et al. **Mol Cell Biol** 1984 Feb;4(2):379–82

Simian virus 40 large T–antigen point mutants that are defective in viral DNA replication but competent in oncogenic transformation. Manos MM, et al. **Mol Cell Biol** 1984 Jun;4(6):1125–33

Conversion through homologous recombination of the gene encoding Simian virus 40 115,000–molecular–weight super T antigen to a gene encoding a normal–size large T antigen variant. May P, et al. **Mol Cell Biol** 1984 Jun;4(6):1141–51

DNA–binding properties of simian virus 40 T–antigen mutants defective in viral DNA replication. Prives C, et al. **Mol Cell Biol** 1983 Nov;3(11):1958–66

Mutagenesis of a shuttle vector plasmid in mammalian cells. Razzaque A, et al. **Mol Cell Biol** 1984 Mar;4(3):435–41

Two distinct mechanisms regulate the levels of a cellular tumor antigen, p53. Reich NC, et al. **Mol Cell Biol** 1983 Dec;3(12):2143–50

Barriers to nuclease Bal31 digestion across specific sites in simian virus 40 chromatin. Scott WA, et al. **Mol Cell Biol** 1984 Apr;4(4):604–10

Analysis of processing and polyadenylation signals of the hepatitis B virus surface antigen gene by using simian virus 40–hepatitis B virus chimeric plasmids. Simonsen CC, et al. **Mol Cell Biol** 1983 Dec;3(12):2250–8

How damaged is the biologically active subpopulation of transfected DNA? Wake CT, et al. **Mol Cell Biol** 1984 Mar;4(3):387–98

Naturally arising recombinants that are missing portions of the simian virus 40 regulatory region. Woodworth–Gutai M, et al. **Mol Cell Biol** 1983 Nov;3(11):1930–6

Hormonal regulation of the transformation phenotype in simian virus 40–transformed rat embryonic preadipose cell lines. Yasumoto S. **Mol Cell Biol** 1984 Apr;4(4):712–21

Induction of altered chromatin structures by simian virus 40 enhancer and promoter elements. Jongstra J, et al. **Nature** 1984 Feb 23–29;307(5953):708–14

Sequence requirements for nuclear location of simian virus 40 large–T antigen. Kalderon D, et al. **Nature** 1984 Sep 6–11;311(5981):33–8

Identification of the replicative intermediates in SV40 DNA replication in vitro. Ariga H. **Nucleic Acids Res** 1984 Aug 10;12(15):6053–62

Mutational dissection of the 21 bp repeat region of the SV40 early promoter reveals that it contains overlapping elements of the early–early and late–early promoters. Baty D, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):915–32

Plasmids for the cloning and expression of full–length double–stranded cDNAs under control of the SV40 early or late gene promoter. Breathnach R, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7119–36

Attenuation in SV40 as a mechanism of transcription–termination by RNA polymerase B. Hay N, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1401–14

Transcription of methylated eukaryotic viral genes in a soluble in vitro system. Jove R, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4715–30

Transcription from SV 40–like monkey DNA sequences. Saffer JD, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4769–88

Statistical significance of partial base–pairing potential: implications for recombination of SV40 DNA in eukaryotic cells. Savageau MA, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6559–70

Production of infectious poliovirus from cloned cDNA is dramatically increased by SV40 transcription and replication signals. Semler BL, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5123–41

DNA polymerase and simian virus 40 infection of resting monkey cells: induction of aphidicolin resistant alpha–polymerase. Tanabe K, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8253–68

Short and long range activation by the SV40 enhancer. Wasylyk B, et al. **Nucleic Acids Res** 1984 Jul 25; 12(14):5589–608

Vacuum UV laser induced scission of simian virus 40 DNA. Johnson–Thompson M, et al. **Photochem Photobiol** 1984 Jan;39(1):17–24

Production of platelet–derived growth factor–like molecules and reduced expression of platelet–derived growth factor receptors accompany transformation by a wide spectrum of agents. Bowen–Pope DF, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2396–400

Stimulation of simian virus 40 late gene expression by simian virus 40 tumor antigen. Brady J, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2040–4

Expression of the transformation–sensitive protein 'cyclin' in normal human epidermal basal cells and simian virus 40–transformed keratinocytes. Celis JE, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3128–32

Nature and origin of the RNA associated with simian virus 40 large tumor antigen. Darlix JL, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5425–9

Complete DNA methylation does not prevent polyoma and simian virus 40 virus early gene expression. Graessmann M, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6470–4

Mapping of the late promoter of simian virus 40. Hartzell SW, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):23–7

A frameshift mutation affecting the carboxyl terminus of the simian virus 40 large tumor antigen results in a replication– and transformation–defective virus. Lewis ED, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7065–9

Transformation of human skeletal muscle cells by simian virus 40. Miranda AF, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(21):6581–5

Efficient coupled transcription and mRNA splicing in vitro using plasmids derived from early region 3 of adenovirus 2 and a nondefective adenovirus–simian virus 40 hybrid. Pawar S, et al. **Proc Natl Acad Sci USA** 1984 May; 81(9):2679–83

Resistance of human cells to tumorigenesis induced by cloned transforming genes. Sager R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7601–5

Stimulation of in vitro transcription from heterologous promoters by the simian virus 40 enhancer. Sassone–Corsi P, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):308–12

7S–K nuclear RNA from simian virus 40–transformed cells has sequence homology to the viral early promoter. Sohn U, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7090–4

Intracistronic complementation in the simian virus 40 A gene. Tornow J, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6312–6

cis and trans activation of globin gene transcription in transient assays. Treisman R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7428–32

Mouse primase initiation sites in the origin region of simian virus 40. Tseng BY, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2342–6

An SV40 mammalian inductest for putative carcinogens. Moore SP, et al. **Prog Nucleic Acid Res Mol Biol** 1983; 29:149–53

Characterization of a cellular protein that promotes SV40 infection in human cells. Righthand VF, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:154–7

A scanning electron microscope study of normal and SV40–infected human keratinocytes. Steinberg ML, et al. **Scan Electron Microsc** 1983;(Pt 1):343–9

Surface topography and extent of invasiveness of SV40 virus–transformed hamster brain cells and transformed cell–produced tumors. Walsh JW. **Scan Electron Microsc** 1984;(Pt 1):321–34

Events preceding stable integration of SV40 genomes in a human cell line. Hwang SP, et al. **Somatic Cell Genet** 1983 Jul;9(4):457–68

Genetic analysis of control of proliferation in fibroblastic cells in culture. II. Alteration in proliferative and survival phenotypes in a set of temperature–sensitive mutants of rat 3Y1 cells after infection or transformation with simian virus 40. Ohno K, et al. **Somatic Cell Mol Genet** 1984 Jan; 10(1):29–36

Novel role of viral gene expression in determining the tumor–inducing capacity of transformed cells. Levine AS, et al. **Transplant Proc** 1984 Apr;16(2):441–8

The nucleotide sequence at the recombination/integration sites of the hybrid viruses Ad2+ND3 and Ad2+ND5. Ahmed CM, et al. **Virology** 1984 Feb;133(1):233–7

Tumorigenic activity of polyoma virus and SV40 DNAs in newborn rodents. Bouchard L, et al. **Virology** 1984 May; 135(1):53–64

Transformation by purified early genes of simian virus 40. Chang LS, et al. **Virology** 1984 Mar;133(2):341–53

Cell lines derived from tumors induced in syngeneic rats by FR 3T3 SV40 transformants no longer synthesize the early viral proteins. de Lapeyriere O, et al. **Virology** 1984 May; 135(1):74–86

Recombination between simian virus 40 and adeno–associated virus: virion coinfection compared to DNA cotransfection. Grossman Z, et al. **Virology** 1984 Apr 15;134(1):125–37

SV40 deletion mutant (d1861) with agnoprotein shortened by four amino acids. Hay N, et al. **Virology** 1984 Aug; 137(1):160–70

Selective killing of carcinogen–treated SV40–transformed Chinese hamster cells by a defective parvovirus. Heilbronn R, et al. **Virology** 1984 Jul 30;136(2):439–41

Transforming potential of deletion mutants of the SV40 T antigen coding gene in Syrian hamster cells. Hirschhorn RR, et al. **Virology** 1984 Apr 15;134(1):220–9

Expression of unspliced NS1 mRNA, spliced NS2 mRNA, and a spliced chimera mRNA from cloned influenza virus NS DNA in an SV40 vector. Lamb RA, et al. **Virology** 1984 May;135(1):139–47

A detailed genetic analysis of the late complementation groups of simian virus 40. Mertz JE. **Virology** 1984 Jan 15;132(1):173–85

Sequence homology between polyoma virus, simian virus 40, and a papilloma–producing virus from a Syrian hamster: evidences for highly conserved sequences. Scherneck S, et al. **Virology** 1984 Aug;137(1):41–8

[Transfer of genes into animal cells] Söderlund H. **Duodecim** 1983;99(19):1408–15 (12 ref.) (Fin)

[Replication complex of SV40 DNA] Ariga H. **Tanpakushitsu Kakusan Koso** 1983 Aug;28(9):1080–5 (40 ref.) (Jpn)

[Replication of eukaryotic virus DNA] Ikeda JE. **Tanpakushitsu Kakusan Koso** 1983 Aug;28(9):1052–61 (64 ref.) (Jpn)

[Effects of enhancer sequences on the expression and integration of genes introduced into cells] Yamaizumi M. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(14):1599–612 (51 ref.) (Jpn)

[Induction of the replicative synthesis of DNA by SV40 virus T antigen introduced into cells using liposomes] Kulikov VV, et al. **Biokhimiia** 1984 May;49(5):836–41 (Eng. Abstr.) (Rus)

[Collagen biosynthesis on free and membrane–bound polyribosomes from normal and SV40 virus–transformed human fibroblasts] Berman AE, et al. **Dokl Akad Nauk SSSR** 1984;276(6):1506–10 (Rus)

[SV40 virus cloning and genome expression in the cells of Saccharomyces cerevisiae yeasts] Granovskil NN, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):211–3 (Rus)

[Detection of the biological activity of SV40 virus DNA after injection into the nuclei of simian cells] Povnitsa OIu, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):972–5 (Eng. Abstr.) (Rus)

[Mechanism of interferon action on expression of SV40 virus genome during lytic infection (a hypothesis)] Vevcherenko SG. **Mol Biol (Mosk)** 1984 May–Jun;18(3):632–6 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Lack of enhanced reactivation of simian virus 40 irradiated with van de Graaff electrons in U.V.–irradiated CV–1 monkey cells. Takimoto K. **Int J Radiat Biol** 1983 Dec; 44(6):653–7

Optimal conditions for titration of SV40 by the plaque assay method. Fendrick JL, et al. **J Virol Methods** 1983 Aug; 7(2):93–102

[In vitro transformation of rat fibroblasts (3YI) with SV40: effect of cellular growth state, before and after virus inoculation, on frequency of transformation] Tamura H. **Fukuoka Igaku Zasshi** 1983 Dec;74(12):796–812 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

The distribution of large T antigen in simian virus 40 nucleoprotein complexes. Milthorp P, et al. **Can J Microbiol** 1984 May;30(5):622–31

Monoclonal antibodies against simian virus 40 nuclear large T tumour antigen: epitope mapping, papova virus cross–reaction and cell surface staining. Ball RK, et al. **EMBO J** 1984 Jul;3(7):1485–91

An antibody to a synthetic peptide that recognises SV40 small–t antigen. Harvey R, et al. **EMBO J** 1982;1(4):473–7

Acylated simian virus 40 large T–antigen: a new subclass associated with a detergent–resistant lamina of the plasma membrane. Klockmann U, et al. **EMBO J** 1983;2(7):1151–7

Binding sites for monoclonal antibodies and for mRNPs on SV40 large T–antigen determined with a cleavage map. Schwyzer M, et al. **Eur J Biochem** 1983 Dec 1; 137(1–2):303–9

Extraction of SV40 T–antigen from lysates of transformed cells. Lenstra JA, et al. **FEBS Lett** 1984 Mar 12; 168(1):129–33

Inverse relationship between anti–SV40 TASA and anti–H–2 cytotoxic responses. De Giovanni C, et al. **J Cancer Res Clin Oncol** 1983;106(2):117–22

An oligomeric form of simian virus 40 large T–antigen is immunologically related to the cellular tumor antigen p53. Leppard KN, et al. **J Virol** 1984 May;50(2):457–64

Monoclonal antibody to simian virus 40 small t. Montano X, et al. **J Virol** 1984 Sep;51(3):760–7

DNA–binding activity of simian virus 40 large T antigen correlates with a distinct phosphorylation state. Scheidtmann KH, et al. **J Virol** 1984 Apr;50(1):1–12

Nonviable mutants of simian virus 40 with deletions near the 3' end of gene A define a function for large T antigen required after onset of viral DNA replication. Tornow J, et al. **J Virol** 1983 Sep;47(3):487–94

Protein kinase activities in immune complexes of simian virus 40 large T–antigen and transformation–associated cellular p53 protein. Van Roy F, et al. **Mol Cell Biol** 1984 Feb; 4(2):232–9

Tightly associated lipids may anchor SV40 large T antigen in plasma membrane. Henning R, et al. **Nature** 1983 Oct 20–26;305(5936):736–8

Cytolytic T lymphocyte response to SV40. Tevethia SS. **Surv Immunol Res** 1983;2(3):312–4

Biology of simian virus 40 (SV40) transplantation antigen (TrAg). X. Tumorigenic potential of mouse cells transformed by SV40 in high responder C57BL/6 mice and correlation with the persistence of SV40 TrAg, early proteins and sequences. Flyer DC, et al. **Virology** 1983 Nov; 131(1):207–20

Structural comparisons of wild–type and nuclear transport–defective simian virus 40 large tumor antigens. Jarvis DL, et al. **Virology** 1984 Apr 15;134(1):168–76

Abortive transformation of rat 3Y1 cells by simian virus 40: viral function overcoming inhibition of cellular proliferation under various conditions of culture. Okuda A, et al. **Virology** 1984 Feb;133(1):35–45

Simian virus 40 specific cytotoxic lymphocyte clones localize two distinct TSTA sites on cells synthesizing a 48 kD SV40 T antigen. Tevethia SS, et al. **Virology** 1984 Mar; 133(2):443–7

Characterization of human p53 antigens employing primate

specific monoclonal antibodies. Thomas R, et al. **Virology** 1983 Dec;131(2):502–17

Quantitative determination of papovavirus IgG antibodies in sera from cancer patients, labworkers and several groups of control persons by enzyme-linked immunosorbent assay (ELISA). Zimmermann W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):187–96

[Biological and ultrastructural characteristics of a line of human choroid transformed by SV40] Carruba G, et al. **Ann Ist Super Sanita** 1982;18(3):379–84 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Studies on the SV40-like papovavirus SV40-GBM. II. Molecular cloning in Escherichia coli of variant DNA molecules from glioblastoma-derived virus. Krause H, et al. **Gene** 1983 Dec;26(1):19–24

METABOLISM

SV40 virions and viral RNA metabolism are associated with cellular substructures. Ben-Ze'ev A, et al. **EMBO J** 1982; 1(10):1225–31

A simian virus 40-encoded protein of Mr 74,000 daltons is structurally related to the capsid proteins of the virus. Krippl B, et al. **J Cell Biochem** 1983;22(4):197–207

Initiation of simian virus 40 DNA replication in vitro. Ariga H, et al. **J Virol** 1983 Nov;48(2):481–91

Methylations of adenosine residues (m6A) in pre-mRNA are important for formation of late simian virus 40 mRNAs. Finkel D, et al. **Virology** 1983 Dec;131(2):409–25

Cell surface binding simian virus 40 large T antigen becomes anchored and stably linked to lipid of the target cells. Lange-Mutschler J, et al. **Virology** 1984 Jul 30; 136(2):404–13

PATHOGENICITY

Neoplastic transformation induced by adeno 12-SV40 hybrid virus in skin fibroblasts from humans genetically predisposed to cancer. Rhim JS, et al. **Cancer Detect Prev** 1983;6(3):345–53

Biologic properties of viable deletion mutants of simian virus 40 (SV40) rescued from the cells of an SV40-induced hamster lymphocytic leukemia. Diamandopoulos GT, et al. **JNCI** 1983 Dec;71(6):1319–26

PHYSIOLOGY

Progress of aging in human diploid cells transformed with a tsA mutant of simian virus 40. Ide T, et al. **Exp Cell Res** 1984 Feb;150(2):321–8

Interaction of simian virus 40 with human glioma cells. Fischer H, et al. **Hum Neurobiol** 1983;2(2):59–64

SV40 immortalization of adult human mesenchymal cells from neuroretina. Biological, functional and molecular characterization. Daya-Grosjean L, et al. **Int J Cancer** 1984 Mar 15;33(3):319–29

Stabilization of the large T protein in temperature-independent (type A) FR 3T3 rat cells transformed with the simian virus 40 tsA30 mutant. Imbert J, et al. **J Virol** 1983 Sep;47(3):442–51

The immunopathology of SV40-induced transformation. Mora PT. **Springer Semin Immunopathol** 1982;5(1):7–32 (114 ref.)

High-titer SV40 replication in human fibroblast cell lines derived from patients with Wiskott-Aldrich syndrome. Miyamura T, et al. **Virology** 1983 Sep;129(2):479–83

RADIATION EFFECTS

UV Irradiation induces an activity which stimulates Simian virus 40 rescue upon cell fusion. Nomura S, et al. **Mol Cell Biol** 1984 Jun;4(6):1159–62

Replicative intermediates in UV-irradiated simian virus 40. Clark JM, et al. **Mutat Res** 1984 Jul-Aug;132(1-2):1–14

Formation of pyrimidine dimers in Simian virus 40 chromosomes and DNA in vitro: effects of salt. Edenberg HJ. **Photochem Photobiol** 1984 May;39(5):587–91

SWALLOWING see **DEGLUTITION**

SWAMP FEVER see **EQUINE INFECTIOUS ANEMIA**

SWAMP FEVER VIRUS see **EQUINE INFECTIOUS ANEMIA VIRUS**

SWAYBACK see under **SHEEP DISEASES**

SWEAT

ANALYSIS

Composition of sweat of the horse during prolonged epinephrine (adrenaline) infusion, heat exposure, and exercise. Kerr MG, et al. **Am J Vet Res** 1983 Aug; 44(8):1571–7

Analysis of human sweat proteins by two-dimensional electrophoresis and ultrasensitive silver staining. Marshall T. **Anal Biochem** 1984 Jun;139(2):506–9

Measurement of osmolality and sodium concentration in heated-cup sweat collections for the investigation of cystic fibrosis. Kirk JM, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):369–73

A modified anaerobic method of sweat collection. Boysen TC, et al. **J Appl Physiol** 1984 May;56(5):1302–7

Electrophoretic patterns of proteins in cystic fibrosis sweat. Penneys NS, et al. **J Invest Dermatol** 1984 Sep;83(3):238–9

Early diagnosis of cystic fibrosis by means of sweat microosmometry. Schöni MH, et al. **J Pediatr** 1984 May; 104(5):691–4

Characterisation of glycoproteins in the sweat of the horse (Equus caballus). Eckersall PD, et al. **Res Vet Sci** 1984 Mar;36(2):231–4

[Trace-element content in sweat and organs of horses] Schmidt M. **DTW** 1984 May 7;91(5):197–8 (Eng. Abstr.) **(Ger)**

[A new type of sweat test and its use in children] Nowakowska A, et al. **Probl Med Wieku Rozwoj** 1979; 8:92–6 (Eng. Abstr.) **(Pol)**

METABOLISM

A field test of the sweat patch. Phillips EL, et al. **Alcoholism (NY)** 1984 Mar-Apr;8(2):233–7

SECRETION

Influence of calcium and cyclic nucleotides on beta-adrenergic sweat secretion in equine sweat glands. Bijman J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C10–3

Decreased sweat production in cystinosis. Gahl WA, et al. **J Pediatr** 1984 Jun;104(6):904–5

Age-related changes in the effects of drugs on the sweat glands. Sato K. **Pharmacol Ther** 1984;24(3):435–8 (10 ref.)

SWEAT GLAND DISEASES

COMPLICATIONS

Syringolymphoid hyperplasia with alopecia. Vakilzadeh F, et al. **Br J Dermatol** 1984 Jan;110(1):95–101

[Epidermoid carcinoma in Verneuil's disease] Crickx B, et al. **Ann Dermatol Venereol** 1983;110(9):705 **(Fre)**

DIAGNOSIS

Eccrine duct involvement by herpes zoster. Rinder HM, et al. **Arch Dermatol** 1984 Feb;120(2):261–2

DRUG THERAPY

Furunculosis and hidradenitis suppurativa response [letter] McDaniel DH, et al. **Arch Dermatol** 1984 Apr;120(4):437

ETIOLOGY

Acne vulgaris and hidradenitis suppurativa as presenting features of acromegaly. Chalmers RJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1346–7

IMMUNOLOGY

[Changes in the immunoreactivity of patients with dyshidrosis caused by Candida species and treated with desensitization] Halmy K, et al. **Dermatol Monatsschr** 1983;169(7):446–51 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Genetic and somatic radiation burden in the radiotherapy of inflammatory and degenerative diseases of bones, joints and soft tissues] Kirsch M, et al. **Radiobiol Radiother (Berl)** 1983;24(3):283–91 (Eng. Abstr.) **(Ger)**

SURGERY

Diverting sigmoid colostomy in severe hidradenitis of the buttocks, perineum, and scrotum [letter] Climo MS. **Ann Plast Surg** 1983 Nov;11(5):451

A comparison of skin grafting and healing by granulation following axillary excision for hidradenitis suppurativa [letter] Pittam MR, et al. **Ann R Coll Surg Engl** 1984 Jan; 66(1):73

Surgical treatment of hidradenitis suppurativa. Rogers IW, et al. **J La State Med Soc** 1983 Oct;135(10):21–4

[Complications of hidradenitis suppurativa of the perineum] Brink CF. **S Afr J Surg** 1984 May;22(2):109–12 (Eng. Abstr.) **(Afr)**

[Surgical treatment of chronic suppurative hidradenitis] Viiachki I, et al. **Khirurgiia (Sofiia)** 1984;37(1):43–6 **(Bul)**

[Results of multiple surgical therapy in pronounced acne conglobata] Priesack W, et al. **Chirurg** 1984 May; 55(5):343–6 (Eng. Abstr.) **(Ger)**

[Hidradenitis suppurativa—treatment with myocutaneous island flap or the traditional method] Gorkisch K, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):135–8 (Eng. Abstr.) **(Ger)**

SWEAT GLAND NEOPLASMS

DIAGNOSIS

Anti-keratin monoclonal antibodies: production, specificities and applications. Hashimoto K, et al. **J Cutan Pathol** 1983 Dec;10(6):529–39

Epidermotropic eccrine carcinoma [letter] Monson JR, et al. **J R Soc Med** 1984 Jan;77(1):85

DRUG THERAPY

A malignant eccrine poroma responds to isotretinoin (13-cis-retinoic acid). Roach M 3d. **Ann Intern Med** 1983 Oct;99(4):486–8

FAMILIAL & GENETIC

Generalized epidermolytic hyperkeratosis in the child of a parent with nevus comedonicus. Lookingbill DP, et al. **Arch Dermatol** 1984 Feb;120(2):223–6

IMMUNOLOGY

Expression of differentiation antigens in benign sweat gland tumours. Kariniemi AL, et al. **Br J Dermatol** 1984 Aug; 111(2):175–82

PATHOLOGY

Apocrine adenocarcinoma of the vulva with associated Paget's disease. Diagnosis of lymph node metastases by fine needle aspiration biopsy. James LP, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):178–84

Clear-cell syringoma. A study by conventional and electron microscopy. Feibelman CE, et al. **Am J Dermatopathol** 1984 Apr;6(2):139–50

Clear-cell syringoma. Association with diabetes mellitus. Furue M, et al. **Am J Dermatopathol** 1984 Apr;6(2):131–8

Combined adnexal tumor of the skin. Apisarnthanarax P, et al. **Arch Dermatol** 1984 Feb;120(2):231–3

Low-grade clear cell eccrine carcinoma. Cooper PH, et al. **Arch Dermatol** 1984 Aug;120(8):1076–8

Eruptive generalized clear cell syringomas. Diestelmeier MR, et al. **Arch Dermatol** 1983 Nov;119(11):927–9

Loss of membrane B2 microglobulin in eccrine porocarcinoma. Its association with the histopathologic and clinical criteria of malignancy. Holden CA, et al. **Arch Dermatol** 1984 Jun;120(6):732–5

Metastasizing eccrine sweat gland carcinoma. Report of a case. Okada N, et al. **Arch Dermatol** 1984 Jun;120(6):768–9

Mucinous adenocarcinoma of the eyelid. A case report. Gardner TW, et al. **Arch Ophthalmol** 1984 Jun;102(6):912

Papillary eccrine adenoma. Cooper PH, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):55–7

Extramammary Paget's disease. Arising in knee region in association with sweat gland carcinoma. de Blois GG, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):713–6

Tumours of the Moll's glands. Ni C, et al. **Br J Ophthalmol** 1984 Jul;68(7):502–6

Malignant eccrine poroma. Case report and review of the literature. Bottles K, et al. **Cancer** 1984 Apr 1;53(7):1579–85 (17 ref.)

Sweat gland carcinomas in children. Chow CW, et al. **Cancer** 1984 Mar 1;53(5):1222–7

Malignant chondroid syringoma. Report of a case with widespread metastasis and review of pertinent literature. Ishimura E, et al. **Cancer** 1983 Nov 15;52(10):1966–73 (24 ref.)

Clear cell syringoma. Kitamura K, et al. **Cutis** 1983 Aug; 32(2):169–72

The histology of eccrine poromas: a study of 14 cases. Pylyser K, et al. **Dermatologica** 1983;167(5):243–9

Amianthioma—a name to drop?[letter] Jeffrey IJ, et al. **Histopathology** 1983 Nov;7(6):977–8

Numerous syringomas of the forehead. Hempstead RW, et al. **Int J Dermatol** 1983 Oct;22(8):485–6

Sudoriparous angioma. Tharakaram S, et al. **Int J Dermatol** 1983 Sep;22(7):432–3

Syringoma of the ankle [letter] Port M, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):291–3

The significance of atypical nuclear changes in benign eccrine acrospiromas: a clinical and pathological study of 18 cases. Mambo NC. **J Cutan Pathol** 1984 Feb;11(1):35–44

Eccrine spiradenoma: clinical and pathologic study of 49 tumors. Mambo NC. **J Cutan Pathol** 1983 Oct;10(5):312–20

Clear cell hidradenocarcinoma—a case report with unusual in situ malignant changes. Al-Irhayim B. **J Surg Oncol** 1984 May;26(1):1–5

The polymorphic apocrine nevus: a study of a unique tumor including carcinoembryonic antigen staining. Schwartz RA, et al. **J Surg Oncol** 1984 Jul;26(3):183–6

Case for diagnosis: apocrine hidrocystoma. Dorsey KE. **Milit Med** 1984 Jan;149(1):43,47

[Benign adnexal tumors of late occurrence in verrucoid-sebaceous nevus (Jadassohn). Apropos of 7 cases] Bonvalet D, et al. **Ann Dermatol Venereol** 1983; 110(4):337–42 (Eng. Abstr.) **(Fre)**

[Tubular apocrine adenoma: apropos of a case] Kanitakis J, et al. **Dermatologica** 1984;169(1):23–8 (Eng. Abstr.) **(Fre)**

[Apocrine adenocarcinoma of the eyelids] Borroni G, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):323–6 (Eng. Abstr.) **(Ita)**

[Apocrine tubular adenoma] Pippione M, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):327–30 (Eng. Abstr.) **(Ita)**

[Neoplastic evolution of the organoid nevus. A case of metastasizing apocrine adenocarcinoma] Schiazza L, et al. **G Ital Dermatol Venereol** 1983 Jan-Feb;118(1):49–53 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

[Case of eccrine ductocarcinoma and freeze-fracture study] Seishima M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;

93(11):1157–66 (Jpn)

SWEAT GLANDS

Loss of membrane B2 microglobulin in eccrine porocarcinoma. Its association with the histopathologic and clinical criteria of malignancy. Holden CA, et al. **Arch Dermatol** 1984 Jun;120(6):732–5

Metastasizing eccrine sweat gland carcinoma. Report of a case. Okada N, et al. **Arch Dermatol** 1984 Jun;120(6):768–9

[Case of eccrine ductocarcinoma and freeze-fracture study] Seishima M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct; 93(11):1157–66 (Jpn)

ABNORMALITIES

Anhidrotic ectodermal dysplasia with relapsing uveitis. Biedner B. **Ann Ophthalmol** 1983 Aug;15(8):749–50

Partial sweat gland aplasia in incontinentia pigmenti Bloch-Sulzberger. Implications for nosologic classification. Rott HD. **Clin Genet** 1984 Jul;26(1):36–8

ANALYSIS

Extramammary Paget's disease—evidence for an apocrine origin. An immunoperoxidase study of gross cystic disease fluid protein-15, carcinoembryonic antigen, and keratin proteins. Mazoujian G, et al. **Am J Surg Pathol** 1984 Jan; 8(1):43–50

ANATOMY & HISTOLOGY

The fine structure of the swine sweat gland. I. The acini. de Melo VR, et al. **Anat Anz** 1984;156(1):51–6

CYTOLOGY

Cytology of the secretion in mammalian sweat glands. Kurosumi K, et al. **Int Rev Cytol** 1984;87:253–329 (90 ref.)

DRUG EFFECTS

Structural changes in axillary eccrine glands following long-term treatment with aluminium chloride hexahydrate solution. Hölzle E, et al. **Br J Dermatol** 1984 Apr; 110(4):399–403

The effects of a psychological 'stressor' and raised ambient temperature on the pharmacological responsiveness of human eccrine sweat glands: implications for sweat gland hyper-responsiveness in anxiety states. van den Broek MD, et al. **Eur J Clin Pharmacol** 1984;26(2):209–13

Age-related changes in the effects of drugs on the sweat glands. Sato K. **Pharmacol Ther** 1984;24(3):435–8 (10 ref.)

EMBRYOLOGY

The development of the sweat and sebaceous glands in the skin of the one-humped camel (Camelus dromedarius). Dougbag AS, et al. **Z Mikrosk Anat Forsch** 1983; 97(5):894–902

ENZYMOLOGY

[Effect of physiological body states (estrus and diestrus) on enzyme histochemistry in specific integumental glands of rats] Sokolov VE, et al. **Dokl Akad Nauk SSSR** 1983; 271(6):1499–501 (Rus)

IMMUNOLOGY

Anti-D47: a monoclonal antibody reacting with the secretory cells of human eccrine sweat glands. Kanitakis J, et al. **Br J Dermatol** 1983 Nov;109(5):509–13

Expression of differentiation antigens in benign sweat gland tumours. Kariniemi AL, et al. **Br J Dermatol** 1984 Aug; 111(2):175–82

INNERVATION

Collateral reinnervation of sweat glands. Kennedy WR, et al. **Ann Neurol** 1984 Jan;15(1):73–8

Quantitation of the sweating deficiency in diabetes mellitus. Kennedy WR, et al. **Ann Neurol** 1984 May;15(5):482–8

Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov; 14(5):573–80

Neonatal 6-hydroxydopamine treatment eliminates cholinergic sympathetic innervation and induces sensory sprouting in rat sweat glands. Yodlowski ML, et al. **J Neurosci** 1984 Jun;4(6):1535–48

Rodent eccrine sweat glands: a case of multiple efferent innervation. Kennedy WR, et al. **Neuroscience** 1984 Mar; 11(3):741–9

METABOLISM

Ultrastructural study of iron deposition in the eccrine sweat glands of patients with iron overload. Falanga V, et al. **Br J Dermatol** 1984 Jan;110(1):51–6

[The amyloid depositions at the area of the eccrine sweat glands in so-called secondary systemic amyloidosis and familial amyloid polyneuropathy] Morita S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):45–52 (Jpn)

PATHOLOGY

The Caspary-Robinson space. King DF. **Am J Dermatopathol** 1984 Apr;6(2):161–2

Papillary eccrine adenoma. Cooper PH, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):55–7

Dermal cylindromas originate from the eccrine sweat gland. Cotton DW, et al. **Br J Dermatol** 1984 Jul;111(1):53–61

The polymorphic apocrine nevus: a study of a unique tumor including carcinoembryonic antigen staining. Schwartz RA, et al. **J Surg Oncol** 1984 Jul;26(3):183–6

[Syringolymphoid hyperplasia with alopecia] Vakilzadeh F. **Z Hautkr** 1984 Jul 15;59(14):962–8 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Pathways of ionic flow through human skin in vivo. Grimnes S. **Acta Derm Venereol (Stockh)** 1984;64(2):93–8

The effects of initial levels of sweat duct filling and skin hydration on electrodermal response amplitude. Edelberg R. **Psychophysiology** 1983 Sep;20(5):550–7

Comparative studies of the effect of thermal stimulation on the permeability of the luminal cell junctions of the sweat gland to lanthanum. Jenkinson DM, et al. **Tissue Cell** 1983; 15(4):573–81

PHYSIOPATHOLOGY

Defective beta adrenergic response of cystic fibrosis sweat glands in vivo and in vitro. Sato K, et al. **J Clin Invest** 1984 Jun;73(6):1763–71

The sweating deficiency in diabetes mellitus: methods of quantitation and clinical correlation. Kennedy WR, et al. **Neurology (NY)** 1984 Jun;34(6):758–63

SECRETION

Influence of calcium and cyclic nucleotides on beta-adrenergic sweat secretion in equine sweat glands. Bijman J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C10–3

Cyclic GMP accumulation during cholinergic stimulation of eccrine sweat glands. Sato K, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C234–9

Measurement of sweating rate with capacitance sensors. Kraning KK, et al. **Ann Biomed Eng** 1983;11(2):131–46

Testosterone and dihydrotestosterone concentrations in elephant serum and temporal gland secretions. Rasmussen LE, et al. **Biol Reprod** 1984 Mar;30(2):352–62

ULTRASTRUCTURE

Ultrastructure of the secretory epithelium, nerve fibers, and capillaries in the mouse sweat gland. Quick DC, et al. **Anat Rec** 1984 Apr;208(4):491–9

The effects of thermal stimulation on the ultrastructure of the human atrichial sweat gland. I. The fundus. Montgomery I, et al. **Br J Dermatol** 1984 Apr;110(4):385–97

Tubulocisternal endoplasmic reticulum in human eccrine sweat glands. Baron DA, et al. **Lab Invest** 1984 Aug; 51(2):233–43

Electron microscopy of the canine apocrine sweat duct. Iwasaki T. **Nippon Juigaku Zasshi** 1983 Dec;45(6):739–46

Cystic fibrosis – ultrastructural and microanalytical studies. Roomans GM, et al. **Scan Electron Microsc** 1983;(Pt 2):697–712 (116 ref.)

SWEATING

see related
HYPERHIDROSIS
HYPOHIDROSIS

Sweat-patch testing detects inaccurate self-reports of alcohol consumption. Phillips M. **Alcoholism (NY)** 1984 Jan-Feb; 8(1):51–3

Predominantly beta-adrenergic control of equine sweating. Bijman J, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R349–53

Influence of abnormal Cl- impermeability on sweating in cystic fibrosis. Bijman J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C3–9

Circadian rhythm in sweating and cutaneous blood flow. Stephenson LA, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R321–4

Sweating during anaesthesia [letter] Layman PR. **Anaesthesia** 1984 Aug;39(8):846

Sweating with pulmonary edema [letter] Aderka D, et al. **Ann Intern Med** 1984 Sep;101(3):402

Quantitation of the sweating deficiency in diabetes mellitus. Kennedy WR, et al. **Ann Neurol** 1984 May;15(5):482–8

Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov; 14(5):573–80

The effects of thermal stimulation on the ultrastructure of the human atrichial sweat gland. I. The fundus. Montgomery I, et al. **Br J Dermatol** 1984 Apr;110(4):385–97

Chronic paroxysmal hemicrania. IX. On the mechanism of attack-related sweating. Saunte C, et al. **Cephalalgia** 1983 Sep;3(3):191–9

Cluster headache: on the mechanism behind attack-related sweating. Saunte C, et al. **Cephalalgia** 1983 Sep;3(3):175–85

Cluster headache: unilaterality as demonstrated by ictal forehead sweating. Sjaastad O. **Cephalalgia** 1983 Aug;3 Suppl 1:88–90

Endocrine concomitants of sweating and sweat depression. Candas V, et al. **Eur J Applied Physiol** 1984;52(2):225–9

A modified anaerobic method of sweat collection. Boysen TC, et al. **J Appl Physiol** 1984 May;56(5):1302–7

Reflex regulation of sweat rate by skin temperature in exercising humans. Johnson JM, et al. **J Appl Physiol** 1984 May;56(5):1283–8

Whole body sweat rate during exercise in the heat environment. Torii M, et al. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):99–102

Contribution of skin thermal sensitivities of large body areas to sweating response. Libert JP, et al. **Jpn J Physiol** 1984; 34(1):75–88

[Cholinergic urticaria with an anaphylactic reaction to physical stress] Mijailović B, et al. **Vojnosanit Pregl** 1984 Mar-Apr;41(2):127–9 (Scr)

DRUG EFFECTS

Cyclic GMP accumulation during cholinergic stimulation of eccrine sweat glands. Sato K, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C234–9

SWEATING, GUSTATORY

ETIOLOGY

Gustatory syndrome following radical neck dissection. Parkash S, et al. **Aust NZ J Surg** 1983 Oct;53(5):491–2

PHYSIOPATHOLOGY

[Anatomic and functional bases of Frey's syndrome: sensitive and sensorial stimulations] Galli S. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):89–91 (Eng. Abstr.) (Fre)

SWEETENING AGENTS

A practical compendium on sweetening agents. Murphy DH. **Am Pharm** 1983 Dec;NS23(12):32–7

Aspartame—a new low-calorie sweetener. Burgert SL. **Iowa Med** 1984 May;74(5):215–7

Recent developments in dental caries research. Grenby TH. **J R Soc Health** 1984 Feb;104(1):27–30 (20 ref.)

Sweeteners in our society. Rose DJ Jr, et al. **World Rev Nutr Diet** 1983;41:200–31 (47 ref.)

ADMINISTRATION & DOSAGE

Artificial sweeteners—a new dawn? Green RM, et al. **Br Dent J** 1984 Mar 10;156(5):161

ADVERSE EFFECTS

Downwind with bulk sweeteners. **Drug Ther Bull** 1983 Dec 30;21(26):104

ANALYSIS

Liquid chromatographic determination of aspartame in dry beverage bases and sweetener tablets with confirmation by thin layer chromatography. Daniels DH, et al. **J Assoc Off Anal Chem** 1984 May-Jun;67(3):513–5

CHEMICAL SYNTHESIS

Structure-activity studies on sulfamate sweetners III: structure-taste relationships for heterosulfamates. Spillane WJ, et al. **J Pharm Sci** 1983 Aug;72(8):852–6

[Relation between chemical constitution and sweet taste. XV. Sulfamic acids and sulfur chlorides] de Nardo M, et al. **Farmaco [Sci]** 1984 Feb;39(2):125–32 (Eng. Abstr.) (Ita)

ISOLATION & PURIFICATION

[Studies on the constituents of fructus Momordicae. I. On the sweet princple] Takemoto T, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1151–4 (Eng. Abstr.) (Jpn)

[Studies on the constituents of fructus Momordicae. III. Structure of mogrosides] Takemoto T, et al. **Yakugaku Zasshi** 1983 Nov;103(11):1167–73 (Eng. Abstr.) (Jpn)

METABOLISM

Digestion of maltitol in man, rat, and rabbit. Zunft HJ, et al. **Ann Nutr Metab** 1983;27(6):470–6

Studies on synthetic sweetening agents. XVIII. Metabolism of sodium cyclamate. (7). Dicyclohexylamine, a metabolite of sodium cyclamate in rabbits and rats. Suenaga A, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2079–84

Nondigestibility of a new sweetener, 'Neosugar,' in the rat. Oku T, et al. **J Nutr** 1984 Sep;114(9):1574–81

Comparative study of isomalt and sucrose by means of continuous indirect calorimetry. Thiébaud D, et al. **Metabolism** 1984 Sep;33(9):808–13

Bioavailability of glucose from Palatinit. Ziesenitz SC. **Z Ernahrungswiss** 1983 Sep;22(3):185–94

PHARMACODYNAMICS

Nutritional studies on maltitol. Part 1: Acceptability, energetic yield, effects on growth and blood biochemical parameters. Maranesi M, et al. **Acta Vitaminol Enzymol** 1984;6(1):3–9

Nutritional studies on maltitol. Part 2: Effect on lipid metabolism and fatty acid composition of different rat tissues. Maranesi M, et al. **Acta Vitaminol Enzymol** 1984; 6(1):11–5

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-induced ornithine decarboxylase activity in mouse epidermis by sweetening

agents and related compounds. Okamoto H, et al. **Cancer Lett** 1983 Nov;21(1):29–35

Potential cariogenicity of Lycasin 80/55 in comparison to starch, sucrose, xylitol, sorbitol and L-sorbose in rats. Havenaar R, et al. **Caries Res** 1984;18(4):375–84

Discriminative structural analysis using pattern recognition techniques in the structure–taste problem of perillartines. Takahashi Y, et al. **J Pharm Sci** 1984 Jun;73(6):737–41

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. III. Composition and bone resorbing potential of dental plaque. Hurttia H, et al. **Proc Finn Dent Soc** 1984;80(1):20–7

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. V. Response of hamster cheek pouch microcirculation to dental plaque. Luostarinen V, et al. **Proc Finn Dent Soc** 1984;80(1):35–9

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. II. Relative composition of free amino acids in human crevicular fluid. Mäkinen KK, et al. **Proc Finn Dent Soc** 1984;80(1):13–9

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. I. Clinical findings and analysis of gingival exudate. Paunio K, et al. **Proc Finn Dent Soc** 1984; 80(1):3–12

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. IV. Analysis of whole saliva. Tenovuo J, et al. **Proc Finn Dent Soc** 1984;80(1):28–34

TOXICITY

Safety evaluation of thaumatin (Talin protein). Higginbotham JD, et al. **Food Chem Toxicol** 1983 Dec;21(6):815–23

Artificial sweeteners and absence of bladder cancer risk in Copenhagen. Møller-Jensen O, et al. **Int J Cancer** 1983 Nov 15;32(5):577–82

Bacterial reversion assay and micronucleus test carried out on hydrogenated glucose syrups 'Malti-Towa' (powder) and maltitol crystal. Takizawa Y, et al. **Mutat Res** 1984 Aug–Sep;137(2–3):133–7

SWIFT'S DISEASE see **ACRODYNIA**

SWIMBLADDER see **AIR SACS**

SWIMMING

Phasic variations of extracellular potassium during fictive swimming in the lamprey spinal cord in vitro. Wallén P, et al. **Acta Physiol Scand** 1984 Mar;120(3):457–63

The use of aquatics with cerebral palsied adolescents. Peganoff SA. **Am J Occup Ther** 1984 Jul;38(7):469–73

Muscular blood flow distribution patterns in the hindlimb of swimming rats. Laughlin MH, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H398–403

Myoglobinemia and endurance exercise: a study of twenty-five participants in a triathlon competition. Thomas BD Jr, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):113–9

Heart rate and rhythm during underwater swimming. Jakopin J, et al. **Boll Soc Ital Cardiol** 1982;27(2):205–10

The specificity of energy utilisation by trained and untrained adolescent boys. Armstrong N, et al. **Br J Sports Med** 1983 Sep;17(3):193–9

Biological characteristics of young swimmers, tennis players and non-competitors. Bloomfield J, et al. **Br J Sports Med** 1984 Jun;18(2):97–103

Estimation of swimmers' physical condition by a swimming recovery test. Pilardeau P, et al. **Br J Sports Med** 1983 Sep;17(3):184–7

The acute effects of controlled breathing swimming on glycolytic parameters. Hsieh SS, et al. **Can J Appl Sport Sci** 1983 Sep;8(3):149–54

Drownings, other aquatic injuries and young Canadians. MacLachlan J. **Can J Public Health** 1984 May–Jun; 75(3):218–22

Simultaneous EMG of latissimus dorsi and sternocostal portion of pectoralis major muscles during butterfly natatory stroke. Vitti M, et al. **Electromyogr Clin Neurophysiol** 1984 Jan–Feb; 24(1–2):117–20

Plasma volume changes during submaximal swimming. McMurray RG. **Eur J Applied Physiol** 1983;51(3):347–56

Sex hormone profiles of premenarcheal athletes. Peltenburg AL, et al. **Eur J Applied Physiol** 1984;52(4):385–92

Influence of long-distance swimming on serum androgens in males. Brisson GR, et al. **Horm Metab Res** 1984 Mar; 16(3):160

Anthropometric characteristics of elite adolescent competitive swimmers. Thorland WG, et al. **Hum Biol** 1983 Dec;55(4):735–48

Biological maturation, body composition, and growth of female gymnasts and control groups of schoolgirls and girl swimmers, aged 8 to 14 years: a cross-sectional survey of 1064 girls. Peltenburg AL, et al. **Int J Sports Med** 1984 Feb;5(1):36–42

Studies on the lysosomal enzyme system of the liver in rats undergoing swimming training. Toncsev H, et al. **Int J Sports Med** 1984 Jun;5(3):152–5

ENT and aquatics. Caplan CH. **J Am Coll Health** 1983 Jun; 31(6):243–6

Spastic mutant axolotl: identification of a phenocopy pathway with implications for the control of axolotl swimming by the vestibulocerebellum. Elbert OE, et al. **J Comp Neurol** 1983 Oct 10;220(1):97–105

Mechanics, power output and efficiency of the swimming muskrat (Ondatra zibethicus). Fish FE. **J Exp Biol** 1984 May;110:183–201

Swimming and grommets. Smelt GJ, et al. **J Laryngol Otol** 1984 Mar;98(3):243–5

Naegleria fowleri infection acquired by mice through swimming in amebae-contaminated water. John DT, et al. **J Parasitol** 1983 Oct;69(5):871–4

Ringworm resulting from swimming with a polyurethane cast. Marks MI, et al. **J Pediatr Orthop** 1983 Sep;3(4):511–2

The dual role of serotonin in leech swimming. Kristan WB Jr, et al. **J Physiol (Paris)** 1982–83;78(8):743–7

Grommets and swimming [letter] Pashley NR. **J R Soc Med** 1983 Nov;76(11):986

Somatotype of Indian long distance (74 km and 19 km) swimmers of both sexes. De AK, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):319–21

Marathon swimmers: physiologic characteristics. Dwyer J. **J Sports Med Phys Fitness** 1983 Sep;23(3):263–72

Physiological effects of swim team training. Price P, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):306–10

Cardiac output in preadolescent competitive swimmers and in untrained normal children. Soto KI, et al. **J Sports Med Phys Fitness** 1983 Sep;23(3):291–9

Vastus lateralis muscle biopsy [letter] Gerard ES, et al. **JAMA** 1984 Jul 27;252(4):482–3

Physique of female swimmers and divers from the 1976 Montreal Olympics. Khosla T. **JAMA** 1984 Jul 27; 252(4):536–7

The freely-chosen swimming stroke rate in a maximal swim and on a biokinetic swim bench. Swaine I, et al. **Med Sci Sports Exerc** 1983;15(5):370–5

External ear canal exostosis and aquatic sports. Fabiani M, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(3):159–64

Effects of an aquatic fitness program on the muscular strength and endurance of patients with multiple sclerosis. Gehlsen GM, et al. **Phys Ther** 1984 May;64(5):653–7

Swimming immobility of REM sleep deprived rats reared in different environments. Hodgson JA. **Physiol Behav** 1984 Jan;32(1):17–23

The Wessex Dolphin pool hoist. Rouquette P. **Physiotherapy** 1984 May 10;70(5):207

Sudden swimming deaths: a psychomotor reinterpretation. Binik YM, et al. **Psychophysiology** 1983 Nov;20(6):670–81

Mood alteration with swimming—swimmers really do 'feel better'. Berger BG, et al. **Psychosom Med** 1983 Oct; 45(5):425–33

The CO2 responsiveness and ventilatory response to leg and arm exercise in female swimmers. Heigenhauser GJ, et al. **Respir Physiol** 1983 Aug;53(2):263–72

Swimming and diving accidents and spinal cord injury [letter] Scher AT. **S Afr Med J** 1983 Dec 10;64(25):966–7

Identified neurons in the lamprey spinal cord and their roles in fictive swimming. Rovainen CM. **Symp Soc Exp Biol** 1983;37:305–30

[Ear drum grommets and swimming] de Vries SJ, et al. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1276–9 (Eng. Abstr.) **(Dut)**

[Measurements of the imagery activity of swimmers] Chevalier-Girard N. **Can J Appl Sport Sci** 1983 Dec; 8(4):246–53 (Eng. Abstr.) **(Fre)**

[Swimming and medicine] Guerrin F. **LARC Med** 1984 Apr; 4(4):247–8 **(Fre)**

[Swimming without breathing. A frequent practice, an easy drowning (letter)] Roque D'Orbcastel O, et al. **Presse Med** 1984 Jun 23;13(26):1634 **(Fre)**

[Are swimming and sauna hazardous in the rehabilitation of heart patients?] Hoffmann A, et al. **Schweiz Med Wochenschr** 1983 Jul 30;113(30):1054–7 (Eng. Abstr.) **(Ger)**

[Modification of HDL-cholesterol level in serum by a 4-week-long swimming training during treatment in a resort] Biermann J, et al. **Z Arztl Fortbild (Jena)** 1984; 78(11):443–6 **(Ger)**

[Swim therapy in elderly patients with essential hypertension treated with beta receptor blockers] Winterfeld HJ, et al. **Z Gesamte Inn Med** 1983 Aug 15;38(16):441–4 (Eng. Abstr.) **(Ger)**

[Microbial colonization of the nasopharynx, external auditory canal, hair of the head and armpit in high performance swimmers] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):156–69 (Eng. Abstr.) **(Ger)**

[Modification of lipoprotein parameters in the initial phase of physical exercise in middle-aged cardiovascular patients] Biermann J, et al. **ZFA** 1984 May–Jun;39(3):163–7 (Eng. Abstr.) **(Ger)**

[Myoglobinuria and hypoglycemia after swimming in cold water] Shalit M, et al. **Harefuah** 1984 Mar 1;106(5):217–8 (Eng. Abstr.) **(Heb)**

[Maxillodentofacial pathology and traumatology in skin diving and wind surfing] Re G, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):375–6 (Eng. Abstr.) **(Ita)**

[Epileptic children and swimming] Matsuoka O, et al. **No To Hattatsu** 1983 Jul;15(4):301–9 (Eng. Abstr.) **(Jpn)**

[Epidemiology of dermatomycoses of the feet in swimmers] Kralewska W, et al. **Przegl Dermatol** 1983 May–Jun; 70(3):273–6 (Eng. Abstr.) **(Pol)**

[Device for graded application of muscular load to rats in an air-tight chamber] Iurova KS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):91–4 **(Rus)**

[Effect of carbostimulin on indices of acid-base balance and lactate concentration in the blood of swimmer-athletes] Verbitskil ON, et al. **Ukr Biokhim Zh** 1984 Jan–Feb; 56(1):94–6 (Eng. Abstr.) **(Rus)**

[Reaction of patients with a history of myocardial infarct to bathing under controlled swimming in swimming pools and in the sea] Akhmedzhanov MIu, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):27–9 (Eng. Abstr.) **(Rus)**

[Babies swimming—experience and guidelines] Eriksson BO, et al. **Lakartidningen** 1984 Aug 22;81(34):2920–31 **(Swe)**

[Hazards of babies swimming] Svan H, et al. **Lakartidningen** 1984 Aug 22;81(34):2910 **(Swe)**

SWIMMING POOLS

Giardiasis in an infant and toddler swim class. Harter L, et al. **Am J Public Health** 1984 Feb;74(2):155–6

Comparison of Vogel-Johnson and Baird-Parker media for membrane filtration recovery of staphylococci in swimming pool water. Klapes NA. **Appl Environ Microbiol** 1983 Dec;46(6):1318–22

Isolation and identification of pathogenic Naegleria australiensis (Amoebida, Vahlkampfiidae) from a spa in northern Italy. Scaglia M, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1282–5

Dermatoses associated with brominated swimming pools [letter] **Br Med J [Clin Res]** 1983 Sep 24;287(6396):913

Swimming pool hazard [letter] Jang E. **Can Dent Assoc J** 1984 Mar;50(3):195

Fencing of private swimming pools in New Zealand. Langley J. **Community Health Stud** 1983 Oct;7(3):285–9

A survey of pathogenic and free-living amoebae inhabiting swimming pool water in Mexico City. Rivera F, et al. **Environ Res** 1983 Oct;32(1):205–11

'Swimmer's ear' among children of kindergarten age and water quality of swimming pools in 11 Kibbutzim. Simchen E, et al. **Isr J Med Sci** 1984 Jul;20(7):584–8

Two unusual budding bacteria isolated from a swimming pool. Sly LI, et al. **J Appl Bacteriol** 1984 Jun;56(3):479–86

Isolation of sporothrix schenckii from the floor of an indoor swimming pool. Staib F, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):499–506

[The incidence of mycobacteria in spa swimming pools] Svorcová L, et al. **Fysiatr Reumatol Vestn** 1984 Jun; 62(3):138–46 (Eng. Abstr.) **(Cze)**

[Swimming pool granuloma—an atypical mycobacterial infection] Niedecken HW. **Hautarzt** 1984 Jul;35(7):373–6 (Eng. Abstr.) **(Ger)**

[Rehabilitation of patients with facial and skin disfigurement using behavior therapy desensitization in swimming pools] Strittmatter G, et al. **Rehabilitation (Stuttg)** 1984 Feb; 23(1):22–5 (Eng. Abstr.) **(Ger)**

[Use of hydrogen peroxide in the disinfection of water in sauna dipping pools] Jessen HJ. **Z Gesamte Hyg** 1984 Feb; 30(2):111–4 (Eng. Abstr.) **(Ger)**

[Germ transfer into swimming pool water by head hair] Mueller RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):280–96 (Eng. Abstr.) **(Ger)**

STANDARDS

Determinants of the microbiological characteristics of South Australian swimming pools. Esterman A, et al. **Appl Environ Microbiol** 1984 Feb;47(2):325–8

Enterovirus contamination of swimming pool water; correlation with bacteriological indicators. Cotor F, et al. **Virologie** 1983 Oct–Dec;34(4):251–6

SWINE

Studies on boar semen. III. Sperm concentration and seminal plasma total solids followed in Danish AI boars through a 10-year-period. Blom E, et al. **Acta Vet Scand** 1984; 25(1):107–12

Acute effects of the work environment on pulmonary functions of swine confinement workers. Donham KJ, et al. **Am J Ind Med** 1984;5(5):367–75

Transfer of pig embryos obtained from slaughtered sows [letter] Cameron RD. **Aust Vet J** 1984 May;61(5):167–8

Transfer of pig embryos collected from a sow slaughtered at an abattoir. Stone BA, et al. **Aust Vet J** 1984 Jan; 61(1):30–1

Pathology of sterile reflux in the pig. Heptinstall RH, et al. **Contrib Nephrol** 1984;39:344–57

The time factor in the development of sterile renal scarring following high-pressure vesicoureteral reflux. Hodson CJ, et al. **Contrib Nephrol** 1984;39:358–69

High pressure sterile vesicoureteral reflux and renal scarring: an experimental study in the pig and minipig. Ransley PG, et al. **Contrib Nephrol** 1984;39:320–43

A comparison of semisynthetic human insulin and porcine insulin in the treatment of established diabetes. Larsen ML, et al. **Dan Med Bull** 1984 Jun;31(3):243–4

A new model for coronary thrombosis in the pig: preliminary results with thrombolysis. van der Giessen WJ, et al.

Eur Heart J 1983 May;4 Suppl C:69–76

Domestic pigs in the study of myocardial ischemia. Verdouw PD, et al. **Eur Heart J** 1983 May;4 Suppl C:61–7 (66 ref.)

Whole body hyperthermia with a microwave regional boost: unexpected toxicity in the pig. Robins HI, et al. **Int J Radiat Biol** 1983 Nov;44(5):469–73

Factors affecting mortality in finishing pigs. Straw BE, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):452–5

Behavior and performance of pigs grouped by three different methods at weaning. Friend TH, et al. **J Anim Sci** 1983 Dec;57(6):1406–11

Neurotransmitters and biphasic respiratory response to hypoxia. Long WA, et al. **J Appl Physiol** 1984 Jul; 57(1):213–22

Human (Homo sapiens) responses to the pig (Sus scrofa) sex pheromone 5 alpha-androst-16-en-3-one. Filsinger EE, et al. **J Comp Psychol** 1984 Jun;98(2):219–22

Creation of left-to-right shunts in the newborn pig: a new model. Mavroudis C, et al. **J Surg Res** 1984 Mar;36(3):274–7

The toxicity of cyclopiazonic acid in weaned pigs. Lomax LG, et al. **Vet Pathol** 1984 Jul;21(4):418–24

The psychological interaction between the stockman and his animals and its influence on performance of pigs and dairy cows. Seabrook MF. **Vet Rec** 1984 Jul 28;115(4):84–7

Effect of a dietary supplement of biotin on pig hoof horn strength and hardness. Webb NG, et al. **Vet Rec** 1984 Feb 25;114(8):185–9

[Evaluation of the microbiological contamination of a milk feeding mixture (MKS)—Selasan] Olbrichová D, et al. **Vet Med (Praha)** 1984 Feb;29(2):95–100 (Eng. Abstr.) **(Cze)**

[Showering of slaughtering pigs. I. A prospective study of the preference of slaughtering pigs for showering after transport and its consequences for meat quality] van Putten G, et al. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):645–52 (Eng. Abstr.) **(Dut)**

[Immunity in the fetus and the newborn infant: a swine model] Salmon H. **Reprod Nutr Dev** 1984;24(2):197–206 (35 ref.) (Eng. Abstr.) **(Fre)**

[Bronchoscopy in swine—a method of intravital examination of the lower and upper respiratory tract] Neumann R, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):223–33 (Eng. Abstr.) **(Ger)**

[Performance of animal housing air studies from the veterinarian's viewpoint (field study)] Aengst C, et al. **DTW** 1983 Dec 5;90(12):509–12 (Eng. Abstr.) **(Ger)**

[Poll on the use of sty disinfectants in swine husbandry] Wellinger A. **Schweiz Arch Tierheilkd** 1983 Sep; 125(9):545–52 (Eng. Abstr.) **(Ger)**

[Method for environmentally useful processing of liquid manure from swine breeding installations] Wedekind P, et al. **Z Gesamte Hyg** 1984 Mar;30(3):161–4 (Eng. Abstr.) **(Ger)**

[Buprenorphine-nitrous oxide-oxygen anesthesia in swine as an animal model] Pfenninger E, et al. **Z Versuchstierkd** 1984;26(2):67–76 (Eng. Abstr.) **(Ger)**

[Hygienic evaluation of the modern methods of treating and decontaminating sewage from swine-breeding farm complexes] Vlodavets VV, et al. **Gig Sanit** 1983 Nov; (11):70–2 **(Rus)**

[Supplementation of swine feed rations with zeolite during cage rearing] Bartko P, et al. **Vet Med (Praha)** 1983 Jul; 28(7):429–35 (Eng. Abstr.) **(Slo)**

ANATOMY & HISTOLOGY

Scanning electron microscopy of exposed surfaces of the porcine placenta. Dantzer V. **Acta Anat (Basel)** 1984; 118(2):96–106

Electron microscopic and histochemical characterization of intra-arterial cushions of the rat and porcine uterine vascular bed. Heidger PM Jr, et al. **Acta Anat (Basel)** 1983; 117(3):239–47

Fluorescence microscopic study of the architecture and structure of an adrenergic network in the plexus myentericus (Auerbach), plexus submucosus externus (Schabadasch) and plexus submucosus internus (Meissner) of the porcine small intestine. Scheuermann DW, et al. **Acta Anat (Basel)** 1984;119(1):49–59

Scanning electron microscopy of porcine jejunal loops infused with Escherichia coli endotoxin. Vogelweid CM, et al. **Am J Vet Res** 1983 Dec;44(12):2391–4

The fine structure of the swine sweat gland. I. The acini. de Melo VR, et al. **Anat Anz** 1984;156(1):51–6

Adrenergic nerves in organs of the reproductive system of sexually immature pigs. Lakomy M, et al. **Anat Anz** 1983; 154(2):149–59

Morphology of the vesicular and bulbourethral glands in barrows and the changes induced by diethylstilboestrol. Lauwers H, et al. **Anat Histol Embryol** 1984 Mar; 13(1):50–63

Restriction of uterine space reduces litter size in feral Ossabaw swine. Hagen DR, et al. **Biol Reprod** 1984 Mar; 30(2):423–6

Brainstem cells of origin of the cervical vagus and cardiopulmonary nerves in the neonatal pig (Sus scrofa). Hopkins DA, et al. **Brain Res** 1984 Jul 23;306(1–2):63–72

Fiber types and metabolic characteristics in muscles of wild boars, normal and halothane sensitive Swedish landrace pigs. Essén-Gustavsson B, et al. **Comp Biochem Physiol [A]** 1984;78(1):67–71

Fine structure of the retinal rods and cones in the domestic pig. Braekevelt CR. **Graefes Arch Clin Exp Ophthalmol** 1983;220(6):273–8

Estimation of body composition of pigs. Ferrell CL, et al. **J Anim Sci** 1984 Apr;58(4):903–12

Semitendinosis muscle development in several strains of fetal and perinatal pigs. Hausman GJ, et al. **J Anim Sci** 1983 Dec;57(6):1608–17

Effect of teat number, teat abnormalities and underline length on litter sizes and weights at 21 and 42 days in swine. Jungst SB, et al. **J Anim Sci** 1983 Oct;57(4):802–6

Skull shape in relation to carcass fatness in pigs. Gregory NG, et al. **J Sci Food Agric** 1983 Dec;34(12):1397–403

Morphological studies of the mandible of the Indonesian native pigs and seven types of Asian wild boars. Hayashi Y, et al. **Nippon Juigaku Zasshi** 1984 Feb;46(1):99–104

Quantification of morphologic, cytologic, and kinetic parameters of unirradiated swine skin: a histologic model. Archambeau JO, et al. **Radiat Res** 1984 May;98(2):254–73

[Polymorphism of the solar plexus in swine] Paştea E. **Anat Anz** 1983;154(3):221–7 (Eng. Abstr.) **(Fre)**

[Light microscopy identification of alpha-melanotropin cells in the anterior lobe of the hypophysis in Landrace pigs] Dessy C, et al. **C R Seances Acad Sci [III]** 1983; 296(17):819–22 (Eng. Abstr.) **(Fre)**

[Histochemical studies of the epidermis of the hoof in swine] Geyer H. **Anat Histol Embryol** 1984 Jun;13(2):120–40 (Eng. Abstr.) **(Ger)**

[Karyovolumetric reactions of large cell neurosecretory nuclear regions, supraoptic nucleus and paraventricular nucleus, in swine and calves and their possible relation to sexual function] Brauer E. **Arch Exp Veterinarmed** 1984 Jan;38(1):115–9 (Eng. Abstr.) **(Ger)**

[Biomorphosis of the liver in swine. 1. Body length and mass as well as mass, interstitium and lobulation of the liver] Wesemeier H. **Arch Exp Veterinarmed** 1983 Nov; 37(6):927–37 (Eng. Abstr.) **(Ger)**

[Scanning electron microscope studies of the surface structure of the female genital tract of swine during diestrus] Duenbostel K, et al. **DTW** 1983 Dec 5; 90(12):528–33 (Eng. Abstr.) **(Ger)**

[Biomorphological differentiation of cumulus-ovocyte complexes in swine during preovulatory follicular development] Meinecke B, et al. **Zentralbl Veterinarmed [A]** 1984 Jun;31(5):370–85 (Eng. Abstr.) **(Ger)**

[Cholinergic fibers in the ligament system of the ovary in pigs] Szteyn S, et al. **Pol Arch Weter** 1983;23(4):137–43 (Eng. Abstr.) **(Pol)**

[Quantitative characteristics of the nucleolus organizer region of the chromosomes in the domestic pig] Stefanova VN. **Tsitologiia** 1984 Jan;26(1):40–5 (Eng. Abstr.) **(Rus)**

BLOOD

Obidoxime reactivation of organophosphate-inhibited cholinesterase activity in pigs. Gyrd-Hansen N, et al. **Acta Vet Scand** 1984;25(1):86–95

Plasma levels of 15-keto-13,14-dihydroprostaglandin F2 alpha in primiparous lactating sows. Kunavongkrit A, et al. **Acta Vet Scand** 1984;25(1):148–50

Endocrine effects of heat stress in boars. Larsson K, et al. **Acta Vet Scand** 1983;24(3):305–14

Blood acid-base curve nomogram for immature domestic pigs. Hannon JP. **Am J Vet Res** 1983 Dec;44(12):2385–90

Serum chemical values of gestating and lactating swine: reference values. Reese DE, et al. **Am J Vet Res** 1984 May; 45(5):978–80

Recombination between the S and the H blood group loci in pigs. Hojný J, et al. **Anim Blood Groups Biochem Genet** 1984;15(1):29–36

Changes in the density distribution of pig high density lipoproteins during incubation in vitro. Influence of esterified cholesterol transfer activity. Ha YC, et al. **Atherosclerosis** 1983 Sep;48(3):253–63

Haemoglobin values and some biochemical parameters of different breeds and sexes of pigs in a tropical humid environment. Kasali OB, et al. **Beitr Trop Landwirtsch Veterinarmed** 1983;21(2):219–24

Characteristics of sodium transport in pig (Sus scrofa) erythrocytes. Whittaker J, et al. **Biochem Med** 1983 Aug; 30(1):43–8

Concentrations of progesterone in arterial and venous plasma of fetal pigs and their dams in late gestation. Hagen DR, et al. **Biol Reprod** 1983 Nov;29(4):919–23

Clearance rate of gonadotrophin releasing hormone in peripheral plasma of the pig. Doble E, et al. **Can J Comp Med** 1983 Oct;47(4):491–3

The possibility of detecting fetal lymphocytes in the maternal blood of the domestic pig, Sus scrofa. Rudek Z, et al. **Cytogenet Cell Genet** 1983;36(3):580–3

Partial purification and characterization of porcine platelet-derived growth factor (PDGF). Poggi A, et al. **Exp Cell Res** 1984 Feb;150(2):436–41

The major serum protein of fetal and newborn pigs: biochemical properties and identification as a fetal form of alpha 1-acid glycoprotein. Lampreave F, et al. **Int J Biochem** 1984;16(1):47–53

E. coli growth in serum of iron dextran-supplement pigs. Knight CD, et al. **J Anim Sci** 1983 Aug;57(2):387–95

Serum concentrations of pituitary and adrenal hormones in female pigs exposed to two photoperiods. Kraeling RR, et al. **J Anim Sci** 1983 Nov;57(5):1243–50

Effect of parenteral iron on serum electrolytes of the baby pig. Ku PK, et al. **J Anim Sci** 1983 Sep;57(3):638–44

Serum folates during the reproductive cycle of sows. Matte JJ, et al. **J Anim Sci** 1984 Jul;59(1):158–63

Plasma concentrations of LH, prolactin, oestradiol-17 beta and progesterone in sows weaned after lactation for 10 or 35 days. Kirkwood RN, et al. **J Reprod Fertil** 1984 Jan; 70(1):95–102

The appearance and characteristics of early pregnancy factor in the pig. Morton H, et al. **J Reprod Fertil** 1983 Nov; 69(2):437–46

Blood coagulation studies in domestic pigs (Hanover breed) and minipigs (Goettingen breed). Köstering H, et al. **Lab Anim** 1983 Oct;17(4):346–9

Effects of arginine and cold exposure on secretory responses of insulin, glucagon and 11-hydroxycorticosteroids in piglets. Takahashi H. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):167–73

Serum estrogen concentrations during postnatal development in male pigs. Ford JJ. **Proc Soc Exp Biol Med** 1983 Nov; 174(2):160–4

A note on the metabolism of 5 alpha-androst-16-en-3-one in the young boar in vivo. Bonneau M, et al. **Reprod Nutr Dev** 1983;23(5):899–905

Serum concentration and properties of alpha-fetoprotein and serum level of albumin in sucking piglets. Fujimoto T, et al. **Res Vet Sci** 1984 Mar;36(2):212–6

Changes in the proportion and absolute number of T lymphocytes in piglets from birth until after weaning and in adults. McCauley I, et al. **Res Vet Sci** 1984 Jul;37(1):52–7

Density profile and cholesterol concentration of serum lipoproteins in pigs (Sus scrofa domestica) fed a hypercholesterolemic diet. Preliminary results. Beynen AC, et al. **Z Versuchstierkd** 1983;25(6):333–7

Prepubertal LH, oestradiol-17 beta and progesterone pattern in gilts. Andersson AM, et al. **Zentralbl Veterinarmed [A]** 1983 Jun;30(6):438–46

[Alkaline phosphatase activity and isoenzymes in the blood serum of cattle, sheep and swine] Antonov S, et al. **Vet Med Nauki** 1983;20(9):3–11 (Eng. Abstr.) **(Bul)**

[Use of dextrofer-100 and vitamin B12 on newborn pigs] Petkov PI, et al. **Vet Med Nauki** 1984;21(5):71–6 (Eng. Abstr.) **(Bul)**

[Changes in the total protein, cholesterol and blood sugar levels in thyroidectomized pigs] Petkov PI, et al. **Vet Med Nauki** 1983;20(9):45–50 (Eng. Abstr.) **(Bul)**

[Metabolism parameters in blood plasma of gilts in hormonally-induced and non-induced estrus] Götze M, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):751–62 (Eng. Abstr.) **(Ger)**

[Various parameters of mineral and carbohydrate metabolism in the blood serum of insemination boars] Knoblauch H, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):245–57 (Eng. Abstr.) **(Ger)**

[Relation between the concentration and quantity measures of blood in swine during the 1st week of life] Steinhardt M, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):849–62 (Eng. Abstr.) **(Ger)**

[Relation between blood properties of sows during pregnancy and their litter during parturition] Steinhardt M, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):559–67 (Eng. Abstr.) **(Ger)**

[Embryonic hemoglobins in mammals: sequences of zeta-, epsilon- and theta chains in domestic pigs (Sus scrofa domestica)] Bieber FA, et al. **Z Naturforsch [C]** 1983 Jul-Aug;38(7-8):613–6 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Histochemistry of connective tissue cells in subcutaneous adipose tissue of normal and decapitated pig fetuses. Hausman GJ. **Acta Anat (Basel)** 1984;118(3):147–52

Leydig cell development in the pig testis during the late fetal and early postnatal period: an electron microscopic study with attention to the influence of fetal decapitation. van Vorstenbosch CJ, et al. **Am J Anat** 1984 Feb;169(2):121–36

Nerve endings in the pulmonary trunk, ductus arteriosus and aorta of intact and decapitated pig fetuses. Macdonald AA, et al. **Anat Embryol (Berl)** 1983;168(3):395–404

The pig mesonephros. II. The proximal tubule: SEM, TEM and freeze-fracture images. Tiedemann K, et al. **Anat Embryol (Berl)** 1983;168(2):241–52

Effect of fetal decapitation on the composition and metabolic characteristics of pig skeletal muscle. MacLarty JL, et al. **Biol Neonate** 1984;45(3):142–9

The morphogenesis of the vasculature in swine fetal skin. Ali Ahmed MA, et al. **Gegenbaurs Morphol Jahrb** 1984; 130(2):297–306

Embryo transfer for conserving valuable genetic material from swine herds with pseudorabies. James JE, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):525–8

Muscle development in large and small pig fetuses. Wigmore PM, et al. **J Anat** 1983 Sep;137 (Pt 2):235–45

Histochemical and cellular aspects of adipose tissue development in decapitated pig fetuses: an ontogeny study. Hausman GJ, et al. **J Anim Sci** 1984 Jun;58(6):1540–9

Fetal hepatic and neural substrate utilization as affected by induced nutritional ketosis in swine. Steele NC, et al. **J Anim Sci** 1984 Jun;58(6):1388–95

Embryo transfer in swine. Davis DL, et al. **Mod Vet Pract** 1984 Mar;65(3):191–5

Effects of adrenergic agonists and antagonists on the blood pressure and heart rate of the pig fetus. Macdonald AA, et al. **Res Vet Sci** 1984 Jan;36(1):61–5

GENETICS

Phenotypic variation of erythrocyte glutathione peroxidase in the pig. Agar NS, et al.
Anim Blood Groups Biochem Genet 1984;15(1):63–6

Genetic polymorphism of the vitamin D binding protein (Gc protein) in pig plasma determined by agarose isoelectrofocusing. Ljungqvist L, et al.
Anim Blood Groups Biochem Genet 1983;14(4):293–7

Genetic relationship among several pig populations in East Asia analysed by blood groups and serum protein polymorphisms. Tanaka K, et al.
Anim Blood Groups Biochem Genet 1983;14(3):191–200

Cell cycle time and possible early DNA replication in C-band regions in the domestic pig (Sus scrofa) lymphocytes. Alonso RA, et al. **Ann Genet (Paris)** 1983;26(4):202–5

Factors affecting growth and survival of neonatal genetically obese and lean swine: cross fostering experiments. Mersmann HJ, et al. **Growth** 1984 Summer;48(2):209–20

Occurrence of two different reciprocal translocations in the same litter of domestic pigs. Gustavsson I, et al.
Hereditas 1983;99(2):257–67

The THA technique as applied to porcine chromosomes. Gustavsson I. **Hereditas** 1983;99(2):311–3

Performance of selected and control lines of Duroc and Yorkshire pigs and their reciprocal crossbred progeny. Bereskin B. **J Anim Sci** 1983 Oct;57(4):867–78

Genetic and phenotypic parameters estimated from Nebraska specific-pathogen-free swine field records. David PJ, et al. **J Anim Sci** 1983 Nov;57(5):1117–23

Breed and heterosis effects on testicular development and endocrine function of puberal boars. Fent RW, et al.
J Anim Sci 1983 Aug;57(2):425–32

Fetuses of lean and obese swine in late gestation: body composition, plasma hormones and muscle development. Hoffman EC, et al. **J Anim Sci** 1983 Sep;57(3):609–20

Heritability estimates for ages at farrowing, rebreeding interval and litter traits in swine. Irgang R, et al.
J Anim Sci 1984 Jul;59(1):67–73

Genetic and phenotypic parameters for sow productivity. Irvin KM, et al. **J Anim Sci** 1984 May;58(5):1144–50

Reciprocal recurrent selection for 21-day litter weight of crossbred gilts. I. Selection applied and genetic change in reproduction of crossbred gilts. Young LD, et al.
J Anim Sci 1983 Dec;57(6):1418–30

Reciprocal recurrent selection for 21-day litter weight of crossbred gilts. II. Reproductive performance of purebred females producing purebred and two-way cross litters and performance of purebred and crossbred pigs. Young LD, et al. **J Anim Sci** 1983 Dec;57(6):1431–9

NOR activity, heterochromatin differentiation, and the Robertsonian polymorphism in Sus scrofa L. Mayr B, et al. **J Hered** 1984 Jan–Feb;75(1):79–80

Radiosensitivity of swine lymphocytes: in vitro modifications of the cell cycle and kinetics of the appearance of chromosomal aberrations. Remy J, et al. **Mutat Res** 1984 Apr;126(2):169–75

[Halothane test in the selection of stress-negative swine] de Roose P, et al. **DTW** 1984 May 7;91(5):198–200, 203 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Growth patterns of limb bones in swine. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):161–70

Observations on the postnatal morphogenesis of the porcine humeral condyle and the pathogenesis of osteochondrosis. Kincaid SA, et al. **Am J Vet Res** 1983 Nov;44(11):2095–103

The influence of protein nutrition in early life on growth and development of the pig. 1. Effects on growth performance and body composition. Campbell RG, et al.
Br J Nutr 1983 Nov;50(3):605–17

The influence of protein nutrition in early life on growth and development of the pig. 2. Effects on the cellularity of muscle and subcutaneous adipose tissue. Campbell RG, et al. **Br J Nutr** 1983 Nov;50(3):619–26

Voluntary food intake of growing pigs given diets containing rapeseed meal, from different types and varieties of rape, as the only protein supplement. Lee PA, et al.
Br J Nutr 1983 Nov;50(3):661–71

The influence of transportation, proximity of adults and other stimuli on the age of onset of first puberty in the gilt. Stephens DB, et al. **Cornell Vet** 1984 Jul;74(3):187–97

Comparison of virginiamycin and salinomycin as growth promoters in growing-fattening pigs. De Wilde RO.
DTW 1984 Jan 9;91(1):22–4

Performance and carcass quality of swine injected daily with bacterially-synthesized human growth hormone. Baile CA, et al. **Growth** 1983 Autumn;47(3):225–36

Porcine growth hormone and prolactin: concentrations in the fetus and secretory patterns in the growing pig. Klindt J, et al. **Growth** 1984 Spring;48(1):1–15

Effect of protein level and supplemental lysine on growth and urea cycle enzyme activity in the pig. Rosebrough RW, et al. **Growth** 1983 Winter;47(4):348–60

Effect of space allowance and antibiotic feeding on performance of nursery pigs. NCR-89 committee on confinement management of swine. **J Anim Sci** 1984 Apr; 58(4):801–4

Restricted energy intake and elevated calcium and phosphorus intake for gilts during growth. IV. Characterization of metacarpal, metatarsal, femur, humerus and turbinate bones of sows during three parities. Arthur SR, et al. **J Anim Sci** 1983 Nov;57(5):1200–14

Developmental changes in serum ferritin of piglets. Furugouri K, et al. **J Anim Sci** 1983 Oct;57(4):960–5

The development of the inner layer of backfat in fetal and young pigs. Hausman GJ, et al. **J Anim Sci** 1984 Jun; 58(6):1550–60

Restricted energy intake and elevated calcium and phosphorus intake for boars during growth. II. Foot and leg measurements and toe and soundness scores. Kornegay ET, et al. **J Anim Sci** 1983 Nov;57(5):1182–99

Use of carbohydrate and fat as energy source by obese and lean swine. Mersmann HJ, et al. **J Anim Sci** 1984 Apr; 58(4):894–902

Breed prenatal, breed postnatal and heterosis effects for postweaning traits in swine. Toelle VD, et al.
J Anim Sci 1983 Aug;57(2):313–9

The lysine requirement of the growing boar versus barrow. Williams WD, et al. **J Anim Sci** 1984 Mar;58(3):657–65

Effects of meclofenamate on pulmonary vascular resistance correlate with postnatal age in young piglets. Redding GJ, et al. **Pediatr Res** 1984 Jul;18(7):579–83

Tiamulin feed premix in the improvement of growth performance of pigs in herds severely affected with enzootic pneumonia. Burch DG. **Vet Rec** 1984 Mar 3; 114(9):209–11

[Increasing the effectiveness of feed mixtures for the early weaning of piglets with the addition of fats or growth stimulators] Dvořák M. **Vet Med (Praha)** 1984 Mar; 29(3):151–62 (Eng. Abstr.) **(Cze)**

[Vitamin A requirement of growing swine. 1. Effect of vitamin A supply on growth of piglets and fattening swine] Schöne F, et al. **Arch Tierernahr** 1984 Mar;34(3):205–18 (Eng. Abstr.) **(Ger)**

[Effect of microclimate, supplementary mineral elements Cu, Mn and Zn and vitamins A + D3 on selected blood indicators and piglet rearing] Białkowski Z.
Pol Arch Weter 1983;23(4):23–35 (Eng. Abstr.) **(Pol)**

[Effect of ronidazole on the growth of weaned piglets and the levels of urea nitrogen in plasma and blood glucose] Siwecki J, et al. **Pol Arch Weter** 1983;23(4):37–49 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Leptospiral vaccines: immunogenicity of protein-free medium cultivated whole cell bacterins in swine. Bey RF, et al. **Am J Vet Res** 1983 Dec;44(12):2299–301

Enzyme-linked immunosorbent assay for detection of transmissible gastroenteritis virus antibody in swine sera. Nelson LD, et al. **Am J Vet Res** 1984 Aug;45(8):1654–7

Persistence of passively acquired antibodies to hemagglutinating encephalomyelitis virus in swine. Paul PS, et al. **Am J Vet Res** 1984 May;45(5):932–4

Non-MHC alloantigenic system in pigs (SLC) detected by leucoagglutination. Hruban V, et al.
Anim Blood Groups Biochem Genet 1983;14(4):299–304

Genetic variability at the pig SLA complex in U.S. breeds of pigs. Rothschild MF, et al.
Anim Blood Groups Biochem Genet 1983;14(4):251–5

Influence of birth prematurity on colostrum composition and subsequent immunity of piglets. Milon A, et al.
Ann Rech Vet 1983;14(4):533–40

Isolation and preliminary characterization of a purified pig zona antigen (PPZA) from porcine oocytes. Yurewicz EC, et al. **Biol Reprod** 1983 Sep;29(2):511–23

The effects of challenge on the humoral and cellular immune responses in pseudorabies vaccinated swine. Alva-Valdes R, et al. **Can J Comp Med** 1983 Oct;47(4):451–5

Serological cross-reactivity of porcine reference antisera to Mycoplasma hyopneumoniae, M. flocculare, M. hyorhinis and M. hyosynoviae indicated by the enzyme-linked immunosorbent assay, complement fixation and indirect hemagglutination tests. Freeman MJ, et al.
Can J Comp Med 1984 Apr;48(2):202–7

Immune response of sows and their offspring to pseudorabies virus: serum neutralization response to vaccination and field virus challenge. Wright JC, et al. **Can J Comp Med** 1984 Apr;48(2):184–91

Specific antibodies to porcine zona pellucida detected by quantitative radioimmunoassay in both fertile and infertile women. Kurachi H, et al. **Fertil Steril** 1984 Feb;41(2):265–9

Limited enzymatic cleavage of pig immunoglobulin G and of specific antibodies. III. Large-scale isolation of tryptic fragments of antibodies and of non-specific immunoglobulin and characteristics of the Fc fragment. Ošlovská Z, et al. **Folia Biol (Praha)** 1983;29(6):385–402

Cross-reactivity of human and a putative pig IgD. Pig IgD-like molecules as serum and lymphocyte components. Zikán J, et al. **Folia Microbiol (Praha)** 1983;28(6):474–83

Effects of dichlorvos on lymphocyte reactivity during pregnancy in the pig. Murray FA. **J Anim Sci** 1983 Nov; 57(5):1270–5

The effect of vaccination regimen on the transfer of foot and mouth disease antibodies from the sow to her piglets. Francis MJ, et al. **J Hyg (Lond)** 1984 Aug;93(1):123–31

Monoclonal antibodies reactive with swine lymphocytes. I. Antibodies to membrane structures that define the cytolytic T lymphocyte subset in the swine. Jonjić S, et al.
J Immunol 1984 Aug;133(2):647–52

Dynamics of T-suppressor and T-helper lymphocytes and haemolytic plaque-forming cells during normal pregnancy in the sow. Georgieva R. **J Reprod Immunol** 1984 May; 6(3):151–6

Labeled avidin-biotin enzyme-linked immunosorbent assay (LAB-ELISA) for detection of Japanese encephalitis antibody in swine sera. Chang HC, et al.
Jpn J Vet Res 1984 Apr;32(2):59–71

Lymphocyte transformation of peripheral blood lymphocytes and plaque forming cells of the spleen and the mesenteric lymph node in suckling piglets with and without immunopotentiators. Namioka S, et al. **Jpn J Vet Res** 1983 Apr;31(2):53–64

Physiologic concentrations of cortisol suppress cell-mediated immune events in the domestic pig. Westly HJ, et al.
Proc Soc Exp Biol Med 1984 Oct;177(1):156–64

Effect of the sow vaccination regimen on the decay rate of maternally derived foot-and-mouth disease antibodies in piglets. Francis MJ, et al. **Res Vet Sci** 1984 Jul;37(1):72–6

Porcine interleukin 2: parameters of production and biochemical characterization. Gasbarre LC, et al.
Vet Immunol Immunopathol 1984 Jan;5(3):221–36

Antibody responses of guinea-pigs, rabbits and pigs to inactivated porcine parvovirus vaccines. Joo HS, et al.
Vet Microbiol 1984 Feb;9(1):27–33

The effect of oral immunization on the population of lymphocytes migrating to the mammary gland of the sow. Kortbeek-Jacobs JM, et al. **Vet Microbiol** 1984 Jul; 9(3):287–99

[Protein fraction changes in swine raised under different conditions] Chenchev I, et al. **Vet Med Nauki** 1983; 20(8):24–7 (Eng. Abstr.) **(Bul)**

[Experimental study using a laser method for the aerosol immunization of pigs] Petrova A, et al. **Vet Med Nauki** 1984;21(5):93–7 (Eng. Abstr.) **(Bul)**

[Phagocytic activity of phagocytes in the peripheral blood of swine under the effect of various lighting conditions] Neumann R, et al. **Arch Exp Veterinarmed** 1983 Nov; 37(6):951–62 (Eng. Abstr.) **(Ger)**

[Measurement of the phagocytic activity of swine blood using a radioreagent technic] Neumann R, et al.
Arch Exp Veterinarmed 1984 Jan;38(1):21–36 (Eng. Abstr.) **(Ger)**

[Serotyping of Haemophilus pleuropneumoniae strains] Schimmel D, et al. **Arch Exp Veterinarmed** 1983 Jul; 37(4):549–51 (Eng. Abstr.) **(Ger)**

[Phagocytic activity of neutrophilic granulocytes and antibody formation in weaned piglets following immunization with human protein (methodological principles] Sedlag R, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):84–91 (Eng. Abstr.) **(Ger)**

[Changes of immunoglobulin concentrations (IgG, IgM, IgA) in the blood serum of sows during the reproductive cycle] Klobasa F, et al. **Berl Munch Tierarztl Wochenschr** 1984 May 1;97(5):166–71 (Eng. Abstr.) **(Ger)**

[Cell-mediated cytotoxicity and lymphocyte stimulation in suckling piglets with and without colostral immunity against Aujesky's disease virus] Wittmann G, et al.
Zentralbl Veterinarmed [B] 1984 May;31(4):303–18 (Eng. Abstr.) **(Ger)**

[Advantages of using swine serum in culturing animal and human cell lines] Mantsygin IuA, et al. **Tsitologiia** 1983 Oct;25(10):1197–201 (Eng. Abstr.) **(Rus)**

METABOLISM

Light and electron microscopy of cells in pig colostrum, milk and involution secretion. Lee CS, et al.
Acta Anat (Basel) 1983;117(3):270–80

Effect of preslaughter factors on serum creatine phosphokinase and lactate dehydrogenase enzyme activities in pigs. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1982; 30(4):221–6

Morphological and histological studies for the evaluation of several iron preparations in piglets. Glávits R, et al.
Acta Vet Hung 1983;31(1–3):103–12

Comparison of the effects of disodium ethylenediaminetetraacetate, theophylline, and deoxycholic acid on colonic ion transport and permeability. Argenzio RA, et al. **Am J Vet Res** 1983 Aug;44(8):1480–7

The importance of colostral immunoglobulins and their absorption from the intestine of the newborn animals. Kruse PE. **Ann Rech Vet** 1983;14(4):349–53

Modification in the transmural concentration of cholesterol and the transmural distribution of 131I-albumin in the aortas of pigs fed cholesterol: a preliminary report. Bell FP. **Artery** 1983;12(1):24–32

In vivo study of cholesterol turnover in tissues of adult sows. Aigueperse J, et al. **Biochimie** 1982 Mar;64(3):185–93

Effect of colostrum intake on metabolic rate and plasma glucose in the neonatal pig in relation to environmental temperature. Le Dividich J, et al. **Biol Neonate** 1984; 46(2):98–104

Intestinal transmission of macromolecules (BSA and FITC-labelled dextrans) in the neonatal pig. Influence of age of piglet and molecular weight of markers. Weström BR, et al. **Biol Neonate** 1984;46(1):20–6

Phenotypic variation in testosterone and luteinizing hormone production among boars: differential response to gonadotropin releasing hormone and adrenocorticotropic hormone. Juniewicz PE, et al. **Biol Reprod** 1983 Sep; 29(2):464–71

Regulation of prolactin secretion in the pregnant pig: effect of fetal hypophysectomy and fetal death in small litters. Kendall JZ, et al. **Biol Reprod** 1983 Sep;29(2):412–21

Posttesticular surface modifications and contributions of reproductive tract fluids to the surface polypeptide

composition of boar spermatozoa. Russell LD, et al. **Biol Reprod** 1984 May;30(4):959–78

Availability of lysine in vegetable protein concentrates as determined by the slope–ratio assay with growing pigs and rats and by chemical techniques. Batterham ES, et al. **Br J Nutr** 1984 Jan;51(1):85–99

Oxidation of an indicator amino acid by young pigs receiving diets with varying levels of lysine or threonine, and an assessment of amino acid requirements. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):391–9

Amino acid oxidation by young pigs receiving diets with varying levels of sulphur amino acids. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):383–90

Determination of amino acid requirements of young pigs using an indicator amino acid. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):369–82

Energy metabolism and body composition of young pigs given low–protein diets. McCracken KJ, et al. **Br J Nutr** 1984 Mar;51(2):225–34

Effect of heat–stable enterotoxin of Escherichia coli and theophylline on ion transport in porcine small intestine. Argenzio RA, et al. **Can J Comp Med** 1984 Jan;48(1):14–22

The radial distribution of succinate dehydrogenase activity in porcine muscle fibres. Swatland HJ. **Histochem J** 1984 Mar;16(3):321–9

Histochemistry of complex carbohydrates in the hairy skin of the domestic pig. Tsukise A, et al. **Histochem J** 1983 Sep;15(9):845–60

Properties of p–nitrophenyl phosphatase activity from porcine neutrophils. Castle AG, et al. **Int J Biochem** 1984; 16(4):411–6

Protein–amino nutrition of nonruminant animals with emphasis on the pig: past, present and future. Baker DH, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:284–99 (183 ref.)

Effect of lysine and threonine supplementation of sorghum gestation diets on nitrogen balance and plasma constituents in first–litter gilts. Cuaron JA, et al. **J Anim Sci** 1984 Mar; 58(3):631–7

The effect of diet on fecal moisture, osmolarity of fecal extracts, products of bacterial fermentation and loss of minerals in feces of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1403–11

Estrone, estradiol–17 beta and progesterone concentrations in uterine lymph and systemic blood throughout the porcine estrous cycle. Magness RR, et al. **J Anim Sci** 1983 Aug;57(2):449–55

Effect of sex on lipogenic activity in swine adipose tissue. Mersmann HJ. **J Anim Sci** 1984 Mar;58(3):600–4

Mineral and vitamin nutrition of swine. Miller ER, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:315–29 (179 ref.)

Effects of graded levels of lysine and excess arginine and threonine on young pigs fed practical diets. Rosell VL, et al. **J Anim Sci** 1984 Jul;59(1):135–40

Effects of source and particle size on the biological availability of calcium in calcium supplements for growing pigs. Ross RD, et al. **J Anim Sci** 1984 Jul;59(1):125–34

Arginine requirement of the young pig. Southern LL, et al. **J Anim Sci** 1983 Aug;57(2):402–12

Absorption, excretion and tissue residue in feedlot heifers injected with the synthetic prostaglandin, fenprostalene. Tomlinson RV, et al. **J Anim Sci** 1984 Jul;59(1):164–9

Age–related alterations in thyroid hormone binding properties of porcine skeletal muscle cytosol. Wilson DB, et al. **J Anim Sci** 1983 Dec;57(6):1443–55

Vitamin A and beta–carotene in bovine and porcine plasma, liver, corpora lutea, and follicular fluid. Chew BP, et al. **J Dairy Sci** 1984 Jun;67(6):1316–22

Immunocytochemical localization of acrosin in boar spermatozoa. Castellani–Ceresa L, et al. **J Exp Zool** 1983 Aug;227(2):297–304

25–Hydroxyvitamin D 1 alpha– and 24–hydroxylase activities in pig kidney homogenates: effect of vitamin D deficiency. Engstrom GW, et al. **J Nutr** 1984 Jan;114(1):119–26

Effect of plane of nutrition on adipose tissue lipid metabolism in genetically obese and lean pigs. Mersmann HJ, et al. **J Nutr** 1984 May;114(5):862–8

Distribution of alpha–fetoprotein in fetal plasma and in amniotic and allantoic fluids of the pig. Luft AJ, et al. **J Reprod Fertil** 1984 Mar;70(2):605–7

Dissimilarity of corpora lutea within the same ovaries or those from right and left ovaries of pigs during the oestrous cycle. Rao CV, et al. **J Reprod Fertil** 1984 Jan;70(1):61–6

Effects of Ca and P levels in the feed on serum calcium, phosphorus, alkaline phosphatase, hydroxyproline and 25–hydroxycholecalciferol levels, and on the ash content of the third metacarpal bone in pigs. Kääntee E. **Nord Vet Med** 1983 Jul–Sep;35(7–9):273–86

The piglet as a model for perinatal fatty acid metabolism in man. **Nutr Rev** 1984 Jul;42(7):257–8 (6 ref.)

Effects of Cloprostenol administration on neutral lipid and prostaglandin F metabolism by porcine luteal tissue. Waterman RA, et al. **Prostaglandins** 1984 Jan;27(1):131–46

A rapid thin–layer chromatographic screening method for five sulfonamides in animal tissues. Haagsma N, et al. **Vet Q** 1984 Jan;6(1):8–12

Irritation, bioavailability, and residue aspects of ten oxytetracycline formulations administered intramuscularly to pigs. Nouws JF. **Vet Q** 1984 Apr;6(2):80–4

Renal excretion of drugs during postnatal development in piglets. Friis C. **Vet Res Commun** 1983 Dec;7(1–4):349–52

Sulphur amino acid requirement of young pigs. Berende PL, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Aug; 50(3):93–100

[Single–cell bacterial protein in the mixed feeds for early weaned piglets] Bokhorov O, et al. **Vet Med Nauki** 1983; 20(5–6):34–40 (Eng. Abstr.) **(Bul)**

[Absorption of 35S–labeled cation exchangers in warm–blooded animals] Dedek W, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):741–50 (4 ref.) (Eng. Abstr.) **(Ger)**

[Metabolic studies of pregnant and nonpregnant gilts] Götze M, et al. **Arch Exp Veterinarmed** 1984 Jan;38(1):120–8 (Eng. Abstr.) **(Ger)**

[Antimicrobial activity in tissues of swine following subcutaneous administration of turimycin] Hoffmann H, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):599–607 (Eng. Abstr.) **(Ger)**

[Effect of a supplement of partly hydrolized straw meal to a diet of fish meal and horse beans on N balance and amino acid excretion in the feces of swine] Bergner H, et al. **Arch Tierernahr** 1983 Dec;33(12):815–25 (Eng. Abstr.) **(Ger)**

[Nutritive physiological effect of dietary fats in rations for growing swine. 2. Effect of an isocaloric exchange of carbohydrate energy versus fat energy in piglets on growth and various metabolic parameters in the subsequent fattening period] Berschauer F, et al. **Arch Tierernahr** 1983 Oct–Nov;33(10–11):761–80 (Eng. Abstr.) **(Ger)**

[Nutritional–physiological effects of dietary fats in rations for growing pigs. 4. Effects of sunflower oil and coconut oil on protein and fat retention, fatty acid pattern of back fat and blood parameters in piglets] Berschauer F, et al. **Arch Tierernahr** 1984 Jan;34(1):19–33 (Eng. Abstr.) **(Ger)**

[Nutrition physiology effects of dietary fats in rations for growing pigs. 5. Effects of soy bean oil and lard on protein retention in piglets] Berschauer F. **Arch Tierernahr** 1984 Feb;34(2):123–33 (Eng. Abstr.) **(Ger)**

[Nitrogen metabolism in growing swine receiving a bacterial protein supplement (Alcaligenes eutrophus) instead of soybean meal] Greife HA, et al. **Arch Tierernahr** 1984 Mar; 34(3):179–90 (Eng. Abstr.) **(Ger)**

[Blood urea concentration, a parameter for the assessment of protein metabolism in pregnant sows. 2. Relations between blood urea concentration and urine nitrogen excretion as well as estimation of urine nitrogen excretion from the blood urea concentration] Herrmann U, et al. **Arch Tierernahr** 1983 Oct–Nov;33(10–11):749–59 (Eng. Abstr.) **(Ger)**

[Absorption and utilization of amino acids infused into the cecum of growing swine. 3. Studies with 15N– and 14C–labeled isoleucine] Krawielitzki K, et al. **Arch Tierernahr** 1983 Oct–Nov;33(10–11):731–42 (Eng. Abstr.) **(Ger)**

[Absorption and use of amino acids infused into the cecum of growing pigs. 4. Comparative studies on oral or cecal administration of 15N–lysine and 15N–urea, respectively] Krawielitzki K, et al. **Arch Tierernahr** 1984 Jan;34(1):1–18 (Eng. Abstr.) **(Ger)**

[Nitrogen metabolism in growing swine with special reference to the efficacy of lysine from various lysine sources] Liebert F, et al. **Arch Tierernahr** 1984 May–Jun; 34(5–6):379–85 (Eng. Abstr.) **(Ger)**

[Protein and amino acid digestibility in various sections of the intestines in swine. 3. Amino acid composition of chyme and fecal proteins] Poppe S, et al. **Arch Tierernahr** 1983 Oct–Nov;33(10–11):743–8 (Eng. Abstr.) **(Ger)**

[Nonessential amino acid content in early weaned piglets following qualitatively and quantitively different protein supplies] Staudacher W, et al. **Arch Tierernahr** 1984 May–Jun;34(5–6):367–77 (Eng. Abstr.) **(Ger)**

[Calculation of water vapor formation in a swine–fattening stall by determination of the rate of airflow over the carbon dioxide scale] Hilliger HG. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):55–7 (Eng. Abstr.) **(Ger)**

[Evaluation of the stomach contents of slaughtered pigs in animal nutrition] Kamphues J, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1;97(6):202–5 (Eng. Abstr.) **(Ger)**

[Thermogenesis from the breakdown of a ketogenic diet in an experimental model using swine] Kirchgessner M, et al. **Int J Vitam Nutr Res** 1984;54(1):99–106 (Eng. Abstr.) **(Ger)**

[Sewage sludge and trace element metabolism in ruminants and swine] Kessler J. **Schweiz Arch Tierheilkd** 1983 Oct; 125(10):673–83 **(Ger)**

[Palatinit—digestibility and energy utilization in model experiments with sows] Kirchgessner M, et al. **Z Ernahrungswiss** 1983 Dec;22(4):234–40 (Eng. Abstr.) **(Ger)**

[Trace element balance (Cu, Zn, Ni and Mn) in lactating sows] Kirchgessner M, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4–5):230–9 (Eng. Abstr.) **(Ger)**

[Intake of amino acids by small intestine tissue in vitro. 5. Summary report of the results in rats, swine, young bulls and cattle] Reichl JR, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb; 51(1–2):3–13 (Eng. Abstr.) **(Ger)**

[Digestibility of energy and crude nutrients in swine depending on feeding level and live weight] Roth FX, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb; 51(1–2):79–87 (Eng. Abstr.) **(Ger)**

[Intake of amino acids in small intestine tissue in vitro. 2. Studies of swine fed rations of various protein content] Rothschild B, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4–5):208–15 (Eng. Abstr.) **(Ger)**

[Glucose, lactate, and pyruvate consumption of the myocardium in German Landrace and crossed German Landrace and wild swine (F1 and F2)] Thielscher HH. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):565–84 (Eng. Abstr.) **(Ger)**

[Activity of NADP H–generating dehydrogenases in the liver and adipose tissue of swine with different fat content in their diets] Snitinskii VV, et al. **Fiziol Zh** 1983 Sep–Oct; 29(5):600–3 **(Rus)**

[Effect of insulin and cortisol on oxidation of (1–14C)glucose, (6–14C)glucose, (1–14C)palmitate and (1–14C)leucine in the tissues of swine during the neonatal period] Snitinskii VV, et al. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):162–6 (Eng. Abstr.) **(Rus)**

[The effect of heat stress on acid–base homeostasis in pigs] Bartko P, et al. **Vet Med (Praha)** 1984 Jun;29(6):337–44 (Eng. Abstr.) **(Slo)**

[The effect of polychlorinated biphenyls (PCB) on liver aniline hydroxylase activity and on certain metabolic parameters in the blood of pigs] Guoth J, et al. **Vet Med (Praha)** 1984 Jan;29(1):29–38 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Genetic and phenotypic characteristics of a new group of Campylobacter isolated from pigs and cattle. Ursing J, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):71–2

Antibacterial effect of volatile fatty acids on enterobacteriaceae in the large intestine. Prohászka L, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):9–16

Mycoplasmas isolated from Norwegian pig lungs. Bakke T. **Acta Vet Scand** 1983;24(3):331–3

Antibiotic resistance of members of the genus Salmonella isolated from chickens, turkeys, cattle, and swine in the United States during October 1981 through September 1982. Blackburn BO, et al. **Am J Vet Res** 1984 Jun; 45(6):1245–9

In vitro susceptibility of Escherichia coli of swine origin to carbadox and other antimicrobials. Das NK. **Am J Vet Res** 1984 Feb;45(2):252–4

Bacteriophage typing of Staphylococcus hyicus subsp hyicus isolated from pigs. Kawano J, et al. **Am J Vet Res** 1983 Aug;44(8):1476–9

Bacteria isolated from lymph nodes of California slaughter swine. Morse JW, et al. **Am J Vet Res** 1984 Aug; 45(8):1648–9

Cloning and comparison of heat–stable enterotoxin genes from Escherichia coli strains of bovine, porcine, and avian origins. Sekizaki T, et al. **Am J Vet Res** 1984 Feb; 45(2):314–8

Some characteristics and antibiotic resistance of anaerobic bacteria from the ceca and colons of pigs fed chlortetracycline–containing and unmedicated diets. Dawson KA, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):210–2

Antibiotic resistance of fecal coliforms after long–term withdrawal of therapeutic and subtherapeutic antibiotic use in a swine herd. Langlois BE, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1433–4

Cellulolytic bacteria from pig large intestine. Varel VH, et al. **Appl Environ Microbiol** 1984 Jan;47(1):219–21

Antigenic and genetic characterization of H1 influenza viruses isolated from feral ducks and swine in Japan. Arikawa J, et al. **Arch Virol** 1983;78(1–2):19–27

Mycobacteria isolated from apparently normal swine lymph nodes in Uruguay. Saenz A, et al. **Bull Pan Am Health Organ** 1984;18(1):63–8

Effect of pH, temperature and media on acid and alkaline phosphatase activity in 'clinical' and 'nonclinical' isolates of Bordetella bronchiseptica. Mobley DM, et al. **Can J Comp Med** 1984 Apr;48(2):175–8

Isolation, serotyping and drug resistance of salmonellae in scouring pigs in Taiwan. Hsu FS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):283–90

Identification of three new serotypes of group E streptococci isolated from swine. Wessman GE, et al. **Cornell Vet** 1983 Oct;73(4):307–13

Isolation of Corynebacterium suis from the prepuce of boars. Pijoan C, et al. **J Am Vet Med Assoc** 1983 Aug 15; 183(4):428–9

Antibiotic resistance in anaerobic and coliform bacteria from the intestinal tract of swine fed therapeutic and subtherapeutic concentrations of chlortetracycline. Dawson KA, et al. **J Anim Sci** 1984 Jan;58(1):123–31

Multiple antibiotic resistance in fecal, cecal and colonic coliforms from pigs fed therapeutic and subtherapeutic concentrations of chlortetracycline. Dawson KA, et al. **J Anim Sci** 1983 Nov;57(5):1225–34

Antibiotic resistance of fecal coliforms from swine fed subtherapeutic and therapeutic levels of chlortetracycline. Langlois BE, et al. **J Anim Sci** 1984 Mar;58(3):666–74

Isolation of Yersinia enterocolitica and related species from porcine samples obtained from an abattoir. Harmon MC, et al. **J Appl Bacteriol** 1984 Jun;56(3):421–7

The adherence of lactic acid bacteria to the columnar

epithelial cells of pigs and calves. Mäyrä-Mäkinen A, et al. **J Appl Bacteriol** 1983 Oct;55(2):241–5

Prevalence of heat-stable II enterotoxigenic Escherichia coli in pigs, water, and people at farms in Thailand as determined by DNA hybridization. Echeverria P, et al. **J Clin Microbiol** 1984 Apr;19(4):489–91

Rapid latex particle agglutination test for Escherichia coli strains of porcine origin producing heat-labile enterotoxin. Finkelstein RA, et al. **J Clin Microbiol** 1983 Dec; 18(6):1417–8

Campylobacter jejuni and Campylobacter coli serotypes isolated from chickens, cattle, and pigs. Munroe DL, et al. **J Clin Microbiol** 1983 Oct;18(4):877–81

Characterization and pathogenicity of Yersinia pseudotuberculosis isolated from swine and other animals. Tsubokura M, et al. **J Clin Microbiol** 1984 Jun;19(6):754–6

Comparison of atypical rotaviruses from calves, piglets, lambs and man. Snodgrass DR, et al. **J Gen Virol** 1984 May;65 (Pt 5):909–14

The effect of antibiotics on mannose-resistant haemagglutination by K88- and K99-positive Escherichia coli strains. Sojgaard H, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):187–93

Drug resistance and conjugative R plasmids in fecal Escherichia coli strains isolated from healthy younger animals (chickens, piglets, calves) and children. Kanai H, et al. **Microbiol Immunol** 1983;27(12):1031–41

Drug susceptibility of Haemophilus pleuropneumoniae strains isolated from pigs. Inoue A, et al.
Nippon Juigaku Zasshi 1984 Apr;46(2):175–80

In vivo transfer of enterotoxin plasmid among Escherichia coli strains in gnotobiotic pigs. Sekizaki T, et al.
Nippon Juigaku Zasshi 1983 Apr;45(2):255–7

Behaviour of Campylobacter sputorum subspecies mucosalis in gnotobiotic pigs. McCartney E, et al. **Res Vet Sci** 1984 May;36(3):290–7

Ecological studies of Yersinia enterocolitica. I. Dissemination of Y. enterocolitica in pigs. Fukushima H, et al.
Vet Microbiol 1983 Oct;8(5):469–83

Inducement of cytopathic changes and plaque formation by porcine haemagglutinating encephalomyelitis virus. Sato K, et al. **Vet Microbiol** 1983 Nov;8(6):521–30

Leptospira interrogans serovar hardjo in pigs: a new host–parasite relationship in the United Kingdom. Hathaway SC, et al. **Vet Rec** 1983 Aug 13;113(7):153–4

Isolation of Campylobacter hyointestinalis from pigs in the United Kingdom. Lambert M, et al. **Vet Rec** 1984 Aug 11;115(6):128–9

Campylobacter in healthy slaughter pigs: a possible source of infection for man. Sticht-Groh V. **Vet Rec** 1982 Jan 30;110(5):104–6

A seroepizootiological study of Parvovirus in pig herds. Vannier P, et al. **Zentralbl Veterinarmed [B]** 1984 Feb; 31(1):36–45

[Properties of E. coli isolated from pigs] Van TK.
Vet Med Nauki 1984;21(2):18–23 (Eng. Abstr.) **(Bul)**

[Resistance of Aujeszky disease viruses, present in the blood of pigs, to potassium thiosulphate and hydrogen chloride] Večerka P, et al. **Vet Med (Praha)** 1984 May;29(5):279–85 (Eng. Abstr.) **(Cze)**

[Dynamics of antibiotic resistance of strains of Escherichia coli isolated from feces of weaned piglets (the case of the Lwanika– Lubumbashi (Zaire) farm] Mposhy M, et al.
Rev Elev Med Vet Pays Trop 1983;36(3):247–50 (Eng. Abstr.) **(Fre)**

[Occurrence of treponemas in swine. 2. Characterization of treponema strains based on their hemolyzing and serological properties as well as indole formation and virulence testing] Amtsberg G, et al.
Berl Munch Tierarztl Wochenschr 1984 May 1;97(5):171–6 (Eng. Abstr.) **(Ger)**

[Occurrence of Campylobacter species in swine. II. Cultural behavior, differentiation and resistance testing of isolated Campylobacter strains] Hasselbach P, et al.
Berl Munch Tierarztl Wochenschr 1984 Apr 1;97(4):113–9 (Eng. Abstr.) **(Ger)**

[Occurrence of treponemas in swine. 1. Cultural demonstration and resistance testing] Meier C, et al.
Berl Munch Tierarztl Wochenschr 1984 Apr 1;97(4):131–4 (Eng. Abstr.) **(Ger)**

[Changes of bacterial flora in swine stalls depending on stall temperature under experimental conditions] Lehner B, et al. **DTW** 1984 Jun 8;91(6):222–4 (Eng. Abstr.) **(Ger)**

[Comparative use of 2 commercially available selective culture media for isolation of Yersinia enterocolitica from tonsils of slaughter swine] Weber A, et al.
Zentralbl Veterinarmed [B] 1983 Aug;30(7):532–6 (Eng. Abstr.) **(Ger)**

[Cultural, biochemical and serological characteristics of Mycobacteria, avium and atypical, isolated from pigs slaughtered in the Białystok abattoirs] Hołub M.
Pol Arch Weter 1983;23(4):99–111 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Prevalence of oocysts of Isospora suis and Eimeria spp from sows on farms with and without a history of neonatal coccidiosis. Lindsay DS, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):419–21

Dermacentor (Indocentor) compactus (Acari: Ixodoidea: Ixodidae): wild pigs and other hosts and distribution in Malaysia, Indonesia, and Borneo. Hoogstraal H, et al.
J Med Entomol 1984 Mar 30;21(2):174–8

Observation of free-living protozoa in treatment process of anaerobic fermentation of swine feces. Kamata S, et al.
Nippon Juigaku Zasshi 1984 Apr;46(2):213–6

The prevalence of helminth and arthropod parasites of warthog, Phacochoerus aethiopicus, in South West Africa/Namibia. Horak IG, et al.
Onderstepoort J Vet Res 1983 Jun;50(2):145–8

[Experimental parasitic infection in Sus scrofa L. in animal husbandry] Gadomska K. **Wiad Parazytol** 1983; 29(3):317–23 (Eng. Abstr.) **(Pol)**

[Structure and nutritional characteristics of the female Simondsia paradoxa (Nematoda, Spirurata)—a gastric parasite of swine] Oshmarin PG, et al. **Parazitologiia** 1983 Nov–Dec;17(6):448–58 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Distraction of the growth plate. Experiments in pigs and sheep. Peltonen J, et al. **Acta Orthop Scand** 1984 Jun; 55(3):359–62

Effects of deep-freezing on boar sperm. Ibrahim MA, et al. **Acta Vet Acad Sci Hung** 1982;30(4):243–55

Treatment with gonadotropin releasing-hormone in prepubertal gilts at two different ages. Andersson AM, et al. **Acta Vet Scand** 1983;24(4):446–55

Seminal changes in boars after heat stress. Larsson K, et al. **Acta Vet Scand** 1984;25(1):57–66

Effect of polycythemia on gastrointestinal blood flow and oxygenation in piglets. Nowicki PT, et al.
Am J Physiol 1984 Sep;247(3 Pt 1):G220–5

Response of gilts with delayed puberty to pregnant mare serum gonadotropin or estrogen. Hurtgen JP, et al.
Am J Vet Res 1983 Oct;44(10):1943–5

Porcine regional brain and myocardial blood flows during halothane–O2 and halothane–nitrous oxide anesthesia: comparisons with equipotent isoflurane anesthesia. Manohar M, et al. **Am J Vet Res** 1984 Mar;45(3):465–73

Organ blood flow and distribution of cardiac output in hypocapnic ketamine–anesthetized swine. Tranquilli WJ, et al. **Am J Vet Res** 1983 Aug;44(8):1578–82

Cow–calf and sow–piglet behaviour in relation to colostrum ingestion. Broom DM. **Ann Rech Vet** 1983;14(4):342–8

Thermoregulation and energy metabolism in the neonatal pig. Le Dividich J, et al. **Ann Rech Vet** 1983;14(4):375–81

Perinatal changes in plasma oestradiol–17 beta, cortisol and progesterone and the initiation of lactation in sows. Willcox DL, et al. **Aust J Biol Sci** 1983;36(2):173–81

Lack of effect of chronic hyperinsulinaemia on growth and body composition in the fetal pig. Garssen GJ, et al.
Biol Neonate 1983;44(4):234–42

Effects of acute hemorrhage on some physiological parameters of the cardiovascular system in newborn pigs. LeGal YM. **Biol Neonate** 1983;44(4):210–8

Quantification of receptors for estradiol–17 beta and progesterone in the pituitary and hypothalamus of gilts during the estrous cycle and early pregnancy. Diekman MA, et al. **Biol Reprod** 1983 Nov;29(4):946–52

Relationship between release of plasminogen activator and estrogen by blastocysts and secretion of plasmin inhibitor by uterine endometrium in the pregnant pig. Fazleabas AT, et al. **Biol Reprod** 1983 Aug;29(1):225–38

Nucleic acid content and growth of fetal brain, liver and heart during inanition in pigs. Hard DL, et al.
Biol Reprod 1983 Nov;29(4):799–804

Relationship between the level of estrone sulfate in the plasma and the number of fetuses during pregnancy in the gilt. Horne C, et al. **Biol Reprod** 1983 Aug;29(1):56–62

Presence of bacteria in porcine follicular fluid and their ability to generate an inhibitor of follicle-stimulating hormone binding to receptor. Sluss PM, et al.
Biol Reprod 1983 Sep;29(2):335–41

The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal. Lee PA, et al. **Br J Nutr** 1984 Jul;52(1):159–64

A six-year performance record of large white pigs reared in a tropical environment. Smith OB.
Bull Anim Health Prod Afr 1982 Mar;30(1):11–4

Effects of prostaglandins E2, I2 and D2 on pig nasal vasculature. Bedwani JR, et al. **Clin Otolaryngol** 1983 Oct; 8(5):337–41

The effects of rearing-temperature on body composition in young pigs. Heath ME. **Comp Biochem Physiol [A]** 1983; 76(2):363–6

The effects of rearing-temperature on body conformation and organ size in young pigs. Heath ME.
Comp Biochem Physiol [B] 1984;77(1):63–72

The effect of adrenocorticotropin or hydrocortisone on serum luteinizing hormone concentrations after adrenalectomy and/or ovariectomy in the prepuberal gilt. Fonda ES, et al. **Endocrinology** 1984 Jan;114(1):268–73

Glycosidic linkages of swede cell walls and their residues recovered from the terminal ileum of the pig. Millard P, et al. **Eur J Biochem** 1984 Jul 16;142(2):367–9

Induced farrowing on commercial pig farms. Miller B.
In Pract 1983 Sep;5(5):181–3

Single injection techniques in determining age-related changes in porcine renal function. Robbins ME.
Int J Appl Radiat Isot 1984 Feb;35(2):85–91

Thermal adaptability of large white pigs in the tropical environment. Dede TI. **Int J Biometeorol** 1983 Nov; 27(3):249–58

A survey of enzymatic digestion in simple-stomached animals. Corring T, et al.
Int Z Vitam Ernahrungsforsch [Beih] 1983;25:9–26 (91 ref.)

Microbial digestion in the hind-gut of the pig. Mason VC.
Int Z Vitam Ernahrungsforsch [Beih] 1983;25:27–38 (10 ref.)

Isozymes in swine breeding. Rasmusen BA.
Isozymes Curr Top Biol Med Res 1983;11:249–68

Effect of selenium on performance, serum selenium concentration and glutathione peroxidase activity in pigs. Adkins RS, et al. **J Anim Sci** 1984 Feb;58(2):346–50

Effect of supplemental selenium on pancreatic function and nutrient digestibility in the pig. Adkins RS, et al.
J Anim Sci 1984 Feb;58(2):351–5

Effects of excess arginine with and without supplemental lysine on performance, plasma amino acid concentrations and nitrogen balance of young swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):369–77

Effect of various dietary arginine: lysine ratios on performance, carcass composition and plasma amino acid concentrations of growing–finishing swine. Anderson LC, et al. **J Anim Sci** 1984 Feb;58(2):362–8

Luteinizing hormone secretion in ovariectomized gilts: effects of age, reproductive state and estrogen replacement. Berardinelli JG, et al. **J Anim Sci** 1984 Jan;58(1):165–73

Plasma alkaline phosphatase as a criterion for determining biological availability of phosphorus for swine. Boyd RD, et al. **J Anim Sci** 1983 Aug;57(2):396–401

Effect of a high fat supplement in late gestation and lactation on piglet survival and performance. Cieslak DG, et al.
J Anim Sci 1983 Oct;57(4):954–9

Factors affecting ovarian compensation after unilateral ovariectomy in gilts. Coleman DA, et al. **J Anim Sci** 1984 Jul;59(1):170–6

Relationship between number of induced ovulations in the prepubertal gilt to the level of progesterone and to the number of spontaneous postpubertal ovulations. Dial GD, et al. **J Anim Sci** 1983 Nov;57(5):1260–9

Serum profiles of progesterone, LH, FSH and prolactin immediately preceding induced puberty in gilts. Diekman MA, et al. **J Anim Sci** 1984 May;58(5):1262–70

Influence of supplemental lighting during periods of increasing or decreasing daylength on the onset of puberty in gilts. Diekman MA, et al. **J Anim Sci** 1983 Nov; 57(5):1235–42

The effect of diet on performance, digestibility, blood composition and intestinal microflora of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1396–402

A study of the relationship between performance and dietary component digestibilities by swine fed different levels of dietary fiber. Frank GR, et al. **J Anim Sci** 1983 Sep; 57(3):645–54

Changes in plasma estrogen, luteinizing hormone, follicle-stimulating hormone and 13,14-dihydro-15-keto-prostaglandin F2 alpha during blockade of luteolysis in pigs after human chorionic gonadotropin treatment. Guthrie HD, et al. **J Anim Sci** 1983 Oct;57(4):993–1000

Effects of exercise during the growing–finishing period on performance, age at puberty and conception rate of gilts. Hale OM, et al. **J Anim Sci** 1984 Mar;58(3):541–4

Response of sows and litters to added dietary biotin in environmentally regulated facilities. Hamilton CR, et al.
J Anim Sci 1984 Jul;59(1):151–7

The effect of gastric loads of sugars and amino acids on milk intake of suckling pigs. Houpt KA, et al. **J Anim Sci** 1983 Aug;57(2):413–7

Effect of castration on plasma luteinizing hormone concentrations in prepubertal boars. Kittok RJ, et al.
J Anim Sci 1984 May;58(5):1271–7

Estrus, ovulation, conception and embryo survival in confinement-managed gilts of three weight groups. Knott RE, et al. **J Anim Sci** 1984 Feb;58(2):281–4

Phosphorus in swine. VI. Utilization of nitrogen, calcium and phosphorus and reproductive performance of gravid gilts fed two dietary phosphorus levels for five parities. Kornegay ET, et al. **J Anim Sci** 1983 Dec;57(6):1463–73

Effect of dietary fat source and level on the performance of neonatal and early weaned pigs. Lawrence NJ, et al.
J Anim Sci 1983 Oct;57(4):936–42

Serum luteinizing hormone and estrogen profiles before puberty in the gilt. Lutz JB, et al. **J Anim Sci** 1984 Mar; 58(3):686–91

A comparison of an 8- versus 16-hour photoperiod during lactation on suckling frequency of the baby pig and maternal performance of the sow. Mabry JW, et al.
J Anim Sci 1983 Aug;57(2):292–5

The effects of different photoperiods on reproduction in the sow. Perera AN, et al. **J Anim Sci** 1984 Jun;58(6):1418–22

Interactive effects of dietary calcium, phosphorus and copper on performance and liver stores of pigs. Prince TJ, et al.
J Anim Sci 1984 Feb;58(2):356–61

Relationship of lactation energy intake and occurrence of postweaning estrus to body and backfat composition in sows. Reese DE, et al. **J Anim Sci** 1984 May;58(5):1236–44

Valine requirement for reproduction in swine.
Robles-Cabrera A, et al. **J Anim Sci** 1983 Dec; 57(6):1479–86

Testicular development and endocrine characteristics of boars selected for either high or low testis size. Schinckel AP, et al. **J Anim Sci** 1984 Mar;58(3):675–85

Relationships among measures of testicular development and endocrine function in boars. Schinckel AP, et al.
J Anim Sci 1984 May;58(5):1255–61

Effects of pregnancy and lactation on the body composition

of first-litter female swine. Shields RG Jr, et al. **J Anim Sci** 1983 Sep;57(3):594–603

Maternal performance of Duroc, Hampshire and Landrace backcross gilts fed normal and high fiber diets during postweaning growth. Stewart TS, et al. **J Anim Sci** 1983 Sep;57(3):565–76

The effects of body composition on fasting heat production in pigs. Tess MW, et al. **J Anim Sci** 1984 Jan;58(1):99–110

Pituitary responsiveness to GnRH, hypothalamic content of GnRH and pituitary LH and FSH concentrations immediately preceding puberty in gilts. Trout WE, et al. **J Anim Sci** 1984 Jun;58(6):1423–31

Ammonium polyphosphate versus dicalcium phosphate as a phosphorus supplement for growing-finishing swine. Tunmire DL, et al. **J Anim Sci** 1983 Sep;57(3):632–7

The effects of level of crude protein on performance of growing boars. Tyler RW, et al. **J Anim Sci** 1983 Aug; 57(2):364–72

Yield and composition of milk and weight gain of nursing pigs from sows fed diets containing fructose or dextrose. White CE, et al. **J Anim Sci** 1984 Jul;59(1):141–50

Influence of protein intake, energy intake and stage of gestation on growth, reproductive performance, nitrogen balance and carcass composition in gestating gilts. Willis GM, et al. **J Anim Sci** 1984 Mar;58(3):647–56

Responses of weanling pigs to dietary supplementation with vitamin C or carbadox. Yen JT, et al. **J Anim Sci** 1984 Jan;58(1):132–7

Effects of exercise on collateral development in myocardial ischemia in pigs. Bloor CM, et al. **J Appl Physiol** 1984 Mar;56(3):656–65

Interaction of excitatory and inhibitory respiratory afterdischarge mechanisms in piglets. Lawson EE, et al. **J Appl Physiol** 1983 Oct;55(4):1299–304

Immunization of pigs against the boar taint steroid androstenone. Daniel MJ, et al. **J Comp Pathol** 1984 Apr; 94(2):319–21

Morphological development of the thyroid gland and serum T4-concentration in the intact and decapitated pig fetus. Fentener van Vlissingen JM, et al. **J Dev Physiol** 1983 Dec; 5(6):361–71

Ovarian oestrogen-dependent maturation of the LH/FSH surge mechanism during prepubertal development in the gilt. Foxcroft GR, et al. **J Endocrinol** 1984 Jun; 101(3):371–80

Effect of sow vitamin D status at parturition on the vitamin D status of neonatal piglets. Goff JP, et al. **J Nutr** 1984 Jan;114(1):163–9

The use of low protein liquid diets to determine the methionine requirement and the efficacy of methionine hydroxy analogue for the three-week-old pig. Reifsnyder DH, et al. **J Nutr** 1984 Sep;114(9):1705–15

Lactose in plasma during lactogenesis, established lactation and weaning in sows. Hartmann PE, et al. **J Physiol (Lond)** 1984 Feb;347:453–63

Effects of vibration, noise and restraint on heart rate, blood pressure and renal blood flow in the pig. Stephens DB, et al. **J R Soc Med** 1983 Oct;76(10):841–7

Pre-ovulatory arrest and peri-ovulatory redistribution of competent spermatozoa in the isthmus of the pig oviduct. Hunter RH. **J Reprod Fertil** 1984 Sep;72(1):203–11

Prostaglandin use in co;trolled farrowing. Denman S Jr. **Mod Vet Pract** 1984 Jan;65(1):36

Causes and control of sow losses. Straw B. **Mod Vet Pract** 1984 May;65(5):349–53

Synchronization of oestrus in gilts with a progestin [Oxolven (Sa 45.249)] Malmgren L, et al. **Nord Vet Med** 1983 Oct; 35(10):360–3

Swine as an in vivo model for electrophysiologic evaluation of cardiac pacing parameters. Bowman TA, et al. **PACE** 1984 Mar;7(2):187–94

Biochemical changes in sows after eleven or more farrowings. Raszyk J, et al. **Physiol Bohemoslov** 1984; 33(1):81–8

A function of the allantoic sac in the metabolism of uteroferrin and maternal iron by the fetal pig. Buhi WC, et al. **Placenta** 1983;4 Spec No:455–69

An investigation into some cerebral mechanisms involved in schedule-induced drinking in the pig. Stephens DB, et al. **Q J Exp Physiol** 1983 Oct;68(4):653–60

Recognition of maternal environment in piglets: effects of age and some discrete complex stimuli. Horrell RI, et al. **Q J Exp Psychol [B]** 1984 May;36(2):119–30

By-passing the sphincter of Oddi does not affect gallbladder emptying in the pig. Jimenez R, et al. **Reprod Nutr Dev** 1983;23(5):847–55

Laparoscopy in post partum sows with special emphasis on the effects of uterine manipulation on the release of prostaglandin F2 alpha. Kunavongkrit A, et al. **Res Vet Sci** 1984 Jan;36(1):66–70

Suppression of prolactin in pigs by Escherichia coli endotoxin. Smith BB, et al. **Science** 1984 May 11; 224(4649):605–7

Sneeze counts as a diagnostic aid in pig production. Douglas RG, et al. **Vet Rec** 1984 Mar 31;114(13):321–2

Assessment of the reproductive performance of individual boars and the growth rate of their progeny in commercial units using a computerised monitoring system. Pepper TA, et al. **Vet Rec** 1984 Feb 11;114(6):134–7

Some aspects of development and nutrition in the monogastric animal during postnatal life. Corring T, et al. **World Rev Nutr Diet** 1982;39:124–90 (239 ref.)

Animal health in flatdeck rearing of weaned piglets. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):1–13

Early weaning and cage rearing of piglets; influence on behaviour. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb; 31(1):14–24

Fluid intake response of recently weaned pigs to administration of an oral glucose-glycine electrolyte formulation. Anderson KL, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):296–302

Clinical and endocrinological studies in primiparous zero-weaned sows. 1. Clinical and morphological findings with special reference to the effect of PGF2 alpha treatment. Kunavongkrit A, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):607–15

Clinical and endocrinological studies in primiparous zero-weaned sows. 3. Hormonal patterns of ovarian disorders due to zero-weaning. Kunavongkrit A, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):625–36

Clinical and endocrinological studies in primiparous zero-weaned sows. 2. Hormonal patterns of normal cycling sows after zero-weaning. Kunavongkrit A, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):616–24

Effects of adrenergic agents on the in vitro motility of porcine oviducts. Rodriguez-Martinez H. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):91–104

[Populations of harmful rodents on commercial swine-breeding farms and their effect on the technology of swine feeding] Bildirev N, et al. **Vet Med Nauki** 1983; 20(7):44–8 (Eng. Abstr.) **(Bul)**

[Relation between aspartate aminotransferase (AST) activity inthe seminal fluid and indicators of boar ejaculate quality] Forejtek P, et al. **Vet Med (Praha)** 1984 Apr;29(4):217–22 (Eng. Abstr.) **(Cze)**

[Use of sperm older than 24 hours in the artificial insemination of pigs] Aalbers JG, et al. **Tijdschr Diergeneeskd** 1984 May 1;109(9):361 **(Dut)**

[Effect of varying insemination time on fertilization results using PMSG/HCG combination for stimulation of estrous cycle within the framework of ovulation synchronization in gilts] Heinze A, et al. **Arch Exp Veterinarmed** 1983 Nov; 37(6):905–10 (Eng. Abstr.) **(Ger)**

[Effect of PMSG/HCG combinations on ovaries and uteri of gilts used for stimulation of estrous cycle within the framework of ovulation synchronization] Heinze A, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):911–5 (Eng. Abstr.) **(Ger)**

[Effect of PMSG/HCG combinations on ovaries and uteri as well as on the tolerant behavior of gilts in estrus synchronization] Heinze A, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):917–25 (Eng. Abstr.) **(Ger)**

[Sensitivity to halothane and neuromotor stress tolerance of boars] Pohle M, et al. **Arch Exp Veterinarmed** 1983 Nov; 37(6):815–27 (Eng. Abstr.) **(Ger)**

[Effect of PMSG/HCG combinations on ovaries and uteri of gilts used for stimulation of estrous cycle within the framework of puberty induction to advance the 1st insemination date] Schlegel W, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):899–904 (Eng. Abstr.) **(Ger)**

[Oxygen uptake capacity of swine, depending on body weight] Steinhardt M, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):837–47 (Eng. Abstr.) **(Ger)**

[Nutritive physiological effect of dietary fats in growing swine rations. 3. Effect of sunflower and coconut kernels on protein and fat retention, backfat fatty acid pattern and various blood parameters in piglets] Berschauer F, et al. **Arch Tierernahr** 1983 Dec;33(12):826–42 (Eng. Abstr.) **(Ger)**

[Nutritive physiological effects of dietary fats in rations of growing swine. 6. Effect of soya oil and lard on growth performance and carcass characteristics and various blood parameters in fattening swine] Berschauer F, et al. **Arch Tierernahr** 1984 Mar;34(3):191–204 (Eng. Abstr.) **(Ger)**

[Nutritional physiology effect of dietary fats in the diet of growing pigs. 1. Effect of an isocaloric exchange of carbohydrate energy compared with fat energy on protein retention, in vitro synthesis of fat from glucose and on several blood parameters in piglets] Berschauer F, et al. **Arch Tierernahr** 1983 Sep;33(9):683–711 (Eng. Abstr.) **(Ger)**

[Vaccination of boars against Aujeszky's disease. 1. Spermatological findings during vaccination against Aujeszky's disease and in a subsequent infection trial] Gaus J, et al. **DTW** 1984 Mar 8;91(3):98–100 (Eng. Abstr.) **(Ger)**

[Ethological choice experiments with early weaned piglets kept in flat decks. 3. Results of studies of appropriate space dimensions for piglets] Marx D, et al. **DTW** 1984 Jan 9; 91(1):18–22 (Eng. Abstr.) **(Ger)**

[Effect of vaccination against Aujeszky's disease on the physical development and fertility of boars] Weitze KF, et al. **DTW** 1983 Oct 6;90(10):434–7 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. I. Introduction and culling rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):771–7 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. III. Morbidity and fattening rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):861–9 (Eng. Abstr.) **(Ger)**

[Use of a prostaglandin analog (Estrumate ICI) for the control of parturition in swine] Zerobin K, et al. **Schweiz Arch Tierheilkd** 1983 Jul;125(7):413–21 (Eng. Abstr.) **(Ger)**

[Neurologic status of the human fetus during labor and analysis from an evolutionary standpoint] Babkina IP. **Zh Nevropatol Psikhiatr** 1983;83(12):1800–4 (Eng. Abstr.) **(Rus)**

SURGERY

An experimental model for simultaneous chronic sampling of portal and systemic blood and gastrointestinal lymph via cannulae in conscious swine. Manolas KJ, et al. **Cornell Vet** 1983 Oct;73(4):333–9

Xylazine-ketamine-oxymorphone: an injectable anesthetic combination in swine. Breese CE, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):182–3

Auxiliary transplantation of a partial liver graft in the dog and the pig. Terpstra OT, et al. **Neth J Surg** 1983 Dec; 35(5):188–91

SWINE DISEASES

Fetal hepatic and neural substrate utilization as affected by induced nutritional ketosis in swine. Steele NC, et al. **J Anim Sci** 1984 Jun;58(6):1388–95

Posterior paralysis in pigs due to Haemophilus pleuropneumoniae infection. Kaige N, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):251–4

[Aujeszky's disease in swine] Eich KO. **Tierarztl Prax** 1983; 11(3):323–30 **(Ger)**

[Infectious diarrheal diseases as a stock problem in fattening of swine] Eich KO. **Tierarztl Prax** 1983;11(4):455–68 **(Ger)**

BLOOD

Bacterial endotoxin in blood of dysgalactic sows in relation to microbial status of uterus, milk, and intestine. Morkoç A, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):786–9

Changes in blood cellular components, serum proteins and serum enzyme activities in pigs naturally infected with Cysticercus tenuicollis. Pathak KM, et al. **Res Vet Sci** 1984 May;36(3):263–5

Platelet morphology and membrane bound calcium in porcine stress syndrome. Basrur PK, et al. **Scan Electron Microsc** 1983;(Pt 1):209–14

The significance of serum bile acid concentrations as indicator of hepatic dysfunction in the mini-pig. Kroker R, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):287–95

Clinical and endocrinological studies in primiparous zero-weaned sows. 3. Hormonal patterns of ovarian disorders due to zero-weaning. Kunavongkrit A, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):625–36

[Hematological studies of colibacillosis in pigs] Dobrev V, et al. **Vet Med Nauki** 1983;20(7):17–21 (Eng. Abstr.) **(Bul)**

CHEMICALLY INDUCED

Reproductive disorders caused by trichothecene mycotoxins in a large-scale pig herd. Glávits R, et al. **Acta Vet Hung** 1983;31(4):173–80

Clinical, clinicopathologic, and pathologic alterations of monensin toxicosis in swine. Van Vleet JF, et al. **Am J Vet Res** 1983 Aug;44(8):1469–75

Acute monensin toxicosis in swine: effect of graded doses of monensin and protection of swine by pretreatment with selenium-vitamin E. Van Vleet JF, et al. **Am J Vet Res** 1983 Aug;44(8):1460–8

Zearalenone intoxication of pigs. Blaney BJ, et al. **Aust Vet J** 1984 Jan;61(1):24–7

Bilateral cortical cataracts in sows. Cargill CF, et al. **Aust Vet J** 1983 Oct;60(10):312–3

Abortion in sows after injection of a suspension of penicillin and streptomycin. Lynch PJ. **Aust Vet J** 1984 Jan;61(1):29

Selenium toxicity and porcine focal symmetrical poliomyelomalacia: description of a field outbreak and experimental reproduction. Wilson TM, et al. **Can J Comp Med** 1983 Oct;47(4):412–21

Survey of vomitoxin-contaminated feed grains in midwestern United States, and associated health problems in swine. Côté LM, et al. **J Am Vet Med Assoc** 1984 Jan 15; 184(2):189–92

Vomitoxin in corn fed to young pigs. Young LG, et al. **J Anim Sci** 1983 Sep;57(3):655–64

The toxicity of cyclopiazonic acid in weaned pigs. Lomax LG, et al. **Vet Pathol** 1984 Jul;21(4):418–24

Toxicity of ionophores [letter] **Vet Rec** 1984 Apr 28; 114(17):434

[Testing the effect of furazolidone treatment on clinical and hematological parameters in swine] von der Schulenburg A, et al. **DTW** 1984 May 7;91(5):182–9 (Eng. Abstr.) **(Ger)**

CONGENITAL

Congenital ascorbic acid deficiency in pigs. Jensen PT, et al. **Acta Vet Scand** 1983;24(4):392–402

[Contribution to the pathology of type B trembles in piglets] Miry C, et al. **DTW** 1983 Sep 8;90(9):358–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Coronary arterial disease and atheromatosis in breeding sows. Kądziołka A, et al. **Acta Physiol Pol** 1983 Jan–Feb; 34(1):29–40

Isolation of porcine parvovirus (PPV) from swine herds affected by reproductive failure, and serologic evidence of infection in Hungarian large swine herds. Mocsári E, et al. **Acta Vet Hung** 1983;31(1–3):5–15

Enzyme immunoassay for swine trichinellosis using antigens purified by immunoaffinity chromatography. Seawright GL, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1275–84

Use of immunofluorescence, Gram's staining, histologic examination, and seroagglutination in the diagnosis of porcine colibacillosis. Francis DH. **Am J Vet Res** 1983 Oct; 44(10):1884–8

Comparison of manually performed Microtiter plate and semiautomated (cuvette) indirect enzyme-linked immunosorbent assays for the serodiagnosis of mycoplasmal pneumonia of swine. Freeman MJ, et al. **Am J Vet Res** 1983 Sep;44(9):1734–7

Monoclonal antibody–purified antigen for the immunodiagnosis of trichinosis. Gamble HR, et al. **Am J Vet Res** 1984 Jan;45(1):67–74

Use of enzyme-linked immunosorbent assay for detection of K88 pili in fecal specimens from swine. Mills KW, et al. **Am J Vet Res** 1983 Nov;44(11):2188–9

A 2-mercaptoethanol tube agglutination test for diagnosis of Haemophilus pleuropneumoniae infection in pigs. Mittal KR, et al. **Am J Vet Res** 1984 Apr;45(4):715–9

Comparison of complement fixation test and enzyme-linked immunosorbent assay for detection of early infection with Mycoplasma hyopneumoniae. Piffer IA, et al. **Am J Vet Res** 1984 Jun;45(6):1122–6

Confirmation of pseudorabies virus infection, using virus recrudescence by dexamethasone treatment and in vitro lymphocyte stimulation. Thawley DG, et al. **Am J Vet Res** 1984 May;45(5):981–3

Evaluation of a gel diffusion precipitin test for porcine parvovirus. Too HL, et al. **Aust Vet J** 1983 Jun;60(6):161–5

Experimental infection of pregnant gilts with leptospires isolated from British wildlife. II. Clinical, bacteriological and pathological aspects of infection. Hathaway SC, et al. **Br Vet J** 1983 Sep–Oct;139(5):404–14

Comparison of the enzyme-linked immunosorbent assay and the indirect hemagglutination and complement fixation tests for detecting antibodies to Mycoplasma hyopneumoniae. Armstrong CH, et al. **Can J Comp Med** 1983 Oct; 47(4):464–70

Halothane and halothane/succinylcholine induced malignant hyperthermia (porcine stress syndrome) in a population of Ontario boars. Seeler DC, et al. **Can J Comp Med** 1983 Jul;47(3):284–90

Locomotor disorders of the pig. Wells GA. **In Pract** 1984 Mar;6(2):43–5, 48–53

A practical approach to diagnosis of swine diseases. Goodman DE. **Mod Vet Pract** 1984 Jan;65(1):25–7

The significance of the ash content of the third metacarpal bone for the diagnosis of Ca deficiency in the pig. Kääntee E. **Nord Vet Med** 1983 Jul–Sep;35(7–9):287–91

Rapid diagnosis of Aujeszky's disease in pigs by immunofluorescence. Allan GM, et al. **Res Vet Sci** 1984 Mar;36(2):235–9

Evaluation of the indirect hemagglutination assay as a practical serodiagnostic test for mycoplasmal pneumonia of swine. Freeman MJ, et al. **Vet Microbiol** 1984 Jul; 9(3):259–70

Application of hybridoma technology to the diagnosis of parasitic disease. Gamble HR. **Vet Parasitol** 1984 Jun; 14(3–4):251–61 (29 ref.)

Diagnosis of swine trichinosis by enzyme-linked immunosorbent assay (ELISA) using an excretory—secretory antigen. Gamble HR, et al. **Vet Parasitol** 1983 Nov;13(4):349–61

Rapid ELISA for Aujeszky's disease eradication [letter] Banks M. **Vet Rec** 1983 Jul 23;113(4):94–5

Evaluation of brain chloride determinations in the diagnosis of water deprivation/sodium salt intoxication in pigs. Wells GA, et al. **Vet Rec** 1984 Jun 30;114(26):631–5

[Clinical, cytological and microbiological studies of the MMA syndrome] Bozhkova G, et al. **Vet Med Nauki** 1983; 20(5–6):57–63 (Eng. Abstr.) **(Bul)**

[Methods of diagnosing infectious atrophic rhinitis] Mermerski K. **Vet Med Nauki** 1984;21(2):24–34 (Eng. Abstr.) **(Bul)**

[Detection of sarcocystosis in heifers and pigs using the indirect immunofluorescence method and trypsinization of muscle tissue] Lukešová D, et al. **Vet Med (Praha)** 1984 May;29(5):307–12 (Eng. Abstr.) **(Cze)**

[Bronchoscopy in swine—a method of intravital examination of the lower and upper respiratory tract] Neumann R, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):223–33 (Eng. Abstr.) **(Ger)**

[Halothane test in the selection of stress-negative swine] de Roose P, et al. **DTW** 1984 May 7;91(5):198–200, 203 (Eng. Abstr.) **(Ger)**

[An outbreak of Clostridium perfringens enteritis in suckling piglets in Switzerland] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):553–6 (Eng. Abstr.) **(Ger)**

[Reaction of young pigs to total gamma-irradiation] Koznova LB, et al. **Radiobiologiia** 1983 Sep–Oct;23(5):696–700 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Oesophagogastric ulcer in swine and vitamin U. II. Nature of vitamin U. Hegedüs M, et al. **Acta Vet Hung** 1983; 31(4):155–63

Comparative efficacy of sulfamethazine and sulfathiazole in feed for control of Bordetella bronchiseptica infection in swine. Kobland JD, et al. **Am J Vet Res** 1984 Apr; 45(4):720–3

Anthelmintic activity of ivermectin in pigs naturally infected with Ascaris and Trichuris. Schillhorn van Veen TW, et al. **Am J Vet Res** 1983 Sep;44(9):1732–3

Efficacy of fenbendazole against migrating Ascaris suum larvae in pigs. Stewart TB, et al. **Am J Vet Res** 1984 May; 45(5):984–6

Long-acting oxytetracycline for control of induced Pasteurella multocida rhinitis in swine. Goiś M, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):445–7

Quaternary heterocyclylamino beta-lactams. V. L-640,876 treatment of induced enterotoxigenic colibacillosis (scours) in calves and piglets. Jacks TM, et al. **J Antibiot (Tokyo)** 1983 Jan;36(1):70–5

Field studies with in-feed medication of pigs in the Netherlands using the anthelmintic thiophanate with particular reference to efficacy against Ascaris suum. Evans P, et al. **Vet Q** 1984 Jan;6(1):27–30

Tiamulin injection for the treatment of swine dysentery. Burch DG, et al. **Vet Rec** 1983 Sep 10;113(11):236–7

ENZYMOLOGY

Studies on the role of protease inhibitors in the pathogenesis of swine diarrhoea caused by Escherichia coli. Juhász S, et al. **Acta Vet Hung** 1983;31(4):125–9

ETIOLOGY

Observations on the postnatal morphogenesis of the porcine humeral condyle and the pathogenesis of osteochondrosis. Kincaid SA, et al. **Am J Vet Res** 1983 Nov;44(11):2095–103

Role of nutrition in the pathogenesis of porcine Escherichia coli enterotoxaemia. Bertschinger HU, et al. **Ann Rech Vet** 1983;14(4):469–72

The etiology, pathology and epidemiology of bacterial gastro-enteritis in calves and piglets. Gouet P. **Ann Rech Vet** 1983;14(4):391–4

Dietary regimen, rotavirus, and hemolytic enteropathogenic Escherichia coli in weanling diarrhea of pigs. Lecce JG. **Ann Rech Vet** 1983;14(4):463–8

The role of dietary antigen in the aetiology of post weaning diarrhoea. Miller B, et al. **Ann Rech Vet** 1983;14(4):487–92

Diarrhea in one to three week-old piglets associated with Clostridium perfringens type A. Nabuurs MJ, et al. **Ann Rech Vet** 1983;14(4):408–11

Experimental transmission of intestinal coccidiosis to piglets: clinical, parasitological and pathological findings. Robinson Y, et al. **Can J Comp Med** 1983 Oct;47(4):401–7

Effect of inorganic selenium supplementation on selenosis in postweaning swine. Mahan DC, et al. **J Anim Sci** 1984 May;58(5):1216–21

The pathogenesis of atrophic rhinitis in pigs induced by toxigenic Pasteurella multocida. Pedersen KB, et al. **J Comp Pathol** 1984 Apr;94(2):203–14

An outbreak of swine diarrhea of a new-type associated with coronavirus-like particles in Japan. Takahashi K, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):829–32

Behaviour of Campylobacter sputorum subspecies mucosalis in gnotobiotic pigs. McCartney E, et al. **Res Vet Sci** 1984 May;36(3):290–7

Influence of diet on postweaning malabsorption and diarrhoea in the pig. Miller BG, et al. **Res Vet Sci** 1984 Mar;36(2):187–93

Skin diseases of swine. Mullowney PC, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):107–29 (66 ref.)

Porcine Parvovirus infection: review and diagnosis in a sow herd with reproductive failure. van Leengoed LA, et al. **Vet Q** 1983 Jul;5(3):131–41 (64 ref.)

Valvular endocarditis associated with Streptococcus suis type 2 [letter] Lamont MH, et al. **Vet Rec** 1984 Jul 7;115(1):22

Porcine pleuropneumonia associated with Haemophilus pleuropneumoniae serotype 3 in the Republic of Ireland. Power SB, et al. **Vet Rec** 1983 Jul 30;113(5):113–4

Pathogenesis of atrophic rhinitis in pigs: a new perspective. Rutter JM, et al. **Vet Rec** 1984 Jan 28;114(4):89–90

Cell culture assay for toxigenic Pasteurella multocida from atrophic rhinitis of pigs. Rutter JM, et al. **Vet Rec** 1984 Apr 21;114(16):393–6

Feed associated haemorrhagic disorder in pigs accompanied by pancreatic lesions. Shreeve BJ, et al. **Vet Rec** 1983 Jul 30;113(5):102–4

[Etiological studies of salmonellosis in swine] Minev MK, et al. **Vet Med Nauki** 1984;21(4):8–14 (Eng. Abstr.) **(Bul)**

[An unusual cause of constipation in a piglet: osteomyelitis of the pelvic bones] Rijkenhuizen AB. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):673–4 **(Dut)**

[Etiology of atrophic rhinitis (a.r.) in swine. 4. Serological cross-test with 10 Bordetella bronchiseptica strains and 161 field sera] Ferstl T, et al. **DTW** 1983 Jul 6;90(7):279–82 (Eng. Abstr.) **(Ger)**

[The epizootic basis of swine dysentery] Blaha T, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):451–65 (Eng. Abstr.) **(Ger)**

[Etiopathogenesis of Bordetella bronchiseptica infection in swine] Kielstein P, et al. **Zentralbl Veterinarmed [B]** 1984 Mar;31(2):96–106 (Eng. Abstr.) **(Ger)**

[Occurrence of a pleuropneumonia in swine due to a Pasteurella hemolytic-like organism. Its probable relation to pleuropneumonia due to Haemophilus pleuropneumoniae] Sidoli L, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):789–96 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Further evidence on the inheritance of halothane reaction in pigs. Reik TR, et al. **J Anim Sci** 1983 Oct;57(4):826–31

Hereditary dwarfism in pigs. Jensen PT, et al. **Nord Vet Med** 1984 Jan–Feb;36(1–2):32–7

[Genetic nature of atrophic rhinitis in swine. I. The results of a test cross and bacteriological study in atrophic rhinitis in swine] Gavrichenkov AI. **Genetika (Moskva)** 1984 Mar; 20(3):469–77 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serological survey on rotaviral antibody in the Hungarian swine population by optimized counter-current immuno-electrophoresis (CCIEP). Mocsári E, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):59–64

O-antigens, K-antigens and production of enterotoxin in Escherichia coli-strains isolated from litter mate piglets with neonatal diarrhea. Djønne BK, et al. **Acta Vet Scand** 1983;24(3):325–7

Swine dysentery: the influence of dietary selenium on clinical and pathological effects of Treponema hyodysenteriae infection. Teige J Jr, et al. **Acta Vet Scand** 1984;25(1):1–9

Genetic and immune factors in the susceptibility of piglets to Escherichia coli diarrhoea. Sellwood R. **Ann Rech Vet** 1983;14(4):512–8

An indirect enzyme-linked immunosorbent assay for the detection of antibodies to Brucella abortus in procine sera. Brewer RA, et al. **Br Vet J** 1983 Nov–Dec;139(6):495–500

Experimental infection of pregnant gilts with leptospires isolated from British wildlife. I. Serological response to infection. Hathaway SC, et al. **Br Vet J** 1983 Sep–Oct; 139(5):393–403

Detecting anti-Treponema hyodysenteriae antibodies in swine serum using immunofluorometry. Schlink GT, et al. **Can J Comp Med** 1983 Jul;47(3):320–7

Comparison of a modified counterimmunoelectrophoresis test and a microimmunodiffusion test for detection of pseudorabies virus antibodies in porcine sera. Williams PP, et al. **Can J Comp Med** 1984 Jan;48(1):92–6

Immune response of sows and their offspring to pseudorabies virus: serum neutralization response to vaccination and field virus challenge. Wright JC, et al. **Can J Comp Med** 1984 Apr;48(2):184–91

Serologic survey of California wild hogs for antibodies against selected zoonotic disease agents. Clark RK, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1248–51

Detection of type-specific antigens in the lungs of Haemophilus pleuropneumoniae-infected pigs by coagglutination test. Mittal KR, et al. **J Clin Microbiol** 1983 Dec;18(6):1355–7

Antibody response in pig nasal fluid and serum following foot-and-mouth disease infection or vaccination. Francis MJ, et al. **J Hyg (Lond)** 1983 Oct;91(2):329–34

Enzyme-linked immunosorbent assay (ELISA) for detection of IgM and IgG antibodies to Japanese encephalitis virus in sera from experimentally infected swine. Ohkubo Y, et al. **Nippon Juigaku Zasshi** 1984 Feb;46(1):57–64

Rotavirus associated diarrhoea in nursing piglets and detection of antibody against rotavirus in colostrum, milk and serum. Askaa J, et al. **Nord Vet Med** 1983 Dec; 35(12):441–7

Serological response of pigs infected with Aujeszky's disease virus. Martin S, et al. **Res Vet Sci** 1983 Sep;35(2):227–33

Persistence of acquired immunity to Sarcocystis miescheriana infection in growing pigs. Weber M, et al. **Vet Parasitol** 1983 Nov;13(4):287–97

Serotyping of haemophilus pleuropneumonia isolates using ring precipitate tests. Hunter D, et al. **Vet Rec** 1983 Aug 13;113(7):158

The immunoglobulin response of swine following experimental infection with Leptospira interrogans serovar pomona. Ballard SA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):510–7

Examinations on the serodiagnosis of Sarcocystis infections. II. Class-specific immunoglobulin responses in mice, pigs, and sheep. O'Donoghue PJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 May; 257(1):168–84

[Immunogenesis of 2 live vaccines against swine colibacillosis] Van ChK. **Vet Med Nauki** 1984;21(1):22–8 (Eng. Abstr.) **(Bul)**

[Use of solid-phase radioimmunoassay (RIA) for the determination of antibodies to Aujeszky's disease virus in the blood serum of vaccinated pigs] Rodák L, et al. **Vet Med (Praha)** 1983 Nov;28(11):651–9 (Eng. Abstr.) **(Cze)**

[Immunizing properties of 3 vaccines against Aujeszky's disease] Zuffa A, et al. **Arch Exp Veterinarmed** 1984 Mar; 38(2):258–67 (Eng. Abstr.) **(Ger)**

[Cell-mediated cytotoxicity and lymphocyte stimulation in

suckling piglets with and without colostral immunity against Aujesky's disease virus] Wittmann G, et al. **Zentralbl Veterinarmed** [B] 1984 May;31(4):303–18 (Eng. Abstr.) **(Ger)**

METABOLISM

Effect of dietary and injectable vitamin E on the antioxidant status of pigs. Jensen PT, et al. **Acta Vet Scand** 1983; 24(3):259–68

Neuromuscular system of piglets with splayleg: the synthesis of acetylcholine and the myelinization and ultrastructure of peripheral nerve fibres. Tuček S, et al. **Physiol Bohemoslov** 1984;33(2):147–53

Intestinal absorption and structure in iron deficient piglets. Larkin HA, et al. **Res Vet Sci** 1984 Mar;36(2):199–204

[Trends in drug therapy: electolyte transport in the intestines. The pathophysiology and therapy of enterotoxin-caused diarrheas] Petzinger E. **Berl Munch Tierarztl Wochenschr** 1984 Mar 1;97(3):83–9 (55 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

The detection of the 987 P antigen in Escherichia coli isolated from piglets with diarrhoea. Ness E. **Acta Vet Scand** 1983; 24(4):521–3

Serological characterization of 8 Haemophilus pleuropneumoniae strains and proposal of a new serotype: serotype 8. Nielsen R, et al. **Acta Vet Scand** 1984; 25(1):96–106

Enterotoxigenic Escherichia coli in the jejunum of piglets with neonatal diarrhea. Olsvik O, et al. **Acta Vet Scand** 1984;25(1):21–8

Immunofluorescent demonstration of Campylobacter hyointestinalis and Campylobacter sputorum subsp mucosalis in swine intestines with lesions of proliferative enteritis. Chang K, et al. **Am J Vet Res** 1984 Apr; 45(4):703–10

Relationship of iron administration to susceptibility of newborn pigs to enterotoxic colibacillosis. Kadis S, et al. **Am J Vet Res** 1984 Feb;45(2):255–9

Shedding patterns in swine of virulent and attenuated pseudorabies virus. Maes RK, et al. **Am J Vet Res** 1983 Nov;44(11):2083–6

In vivo and in vitro reactivation of latent pseudorabies virus in pigs born to vaccinated sows. van Oirschot JT, et al. **Am J Vet Res** 1984 Mar;45(3):567–71

Rotavirus excretion in suckling pigs followed under field circumstances. Debouck P, et al. **Ann Rech Vet** 1983; 14(4):447–8

Salmonella infections in calves and piglets. Lintermans P, et al. **Ann Rech Vet** 1983;14(4):412–9

Mycotoxic porcine nephropathy and spontaneous occurrence of ochratoxin A residues in kidneys and blood of Polish swine. Goliński P, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1210–2

Infection in piglets with a porcine rotavirus-like virus. Experimental inoculation and ultrastructural examination. Askaa J, et al. **Arch Virol** 1984;80(4):291–303

Encephalomyocarditis virus from stillborn pigs. Littlejohns IR. **Aust Vet J** 1984 Mar;61(3):93

The significance of Leptospira isolated from the kidneys of slaughtered pigs. Peet RL, et al. **Aust Vet J** 1983 Jul; 60(7):226–7

A selective medium for the isolation of P. multocida in nasal specimens from pigs. Smith IM, et al. **Br Vet J** 1983 Nov–Dec;139(6):476–86

Evaluation of a selective medium for isolation of Haemophilus pleuropneumoniae. Gilbride KA, et al. **Can J Comp Med** 1983 Oct;47(4):445–50

Effect of pH, temperature and media on acid and alkaline phosphatase activity in 'clinical' and 'nonclinical' isolates of Bordetella bronchiseptica. Mobley DM, et al. **Can J Comp Med** 1984 Apr;48(2):175–8

Experimental chlamydial pneumonia in pigs. Harris JW, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(1):19–26

Experimental infection with the virulent, Central-European, murine Leptospira pomona strain in the pig. Sebek Z, et al. **Folia Parasitol (Praha)** 1983;30(3):269–75

Type 1 pili (F1) of porcine enterotoxigenic Escherichia coli: vaccine trial and tests for production in the small intestine during disease. To SC, et al. **Infect Immun** 1984 Jan; 43(1):1–5

Porcine Haemophilus pleuropneumonia: microbiologic and pathologic findings. Didier PJ, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):716–9

Effect of feeding chlortetracycline or virginiamycin on shedding of salmonellae from experimentally-infected swine. Jones FT, et al. **J Anim Sci** 1983 Aug;57(2):279–85

Identification and serotyping of Haemophilus pleuropneumoniae by coagglutination test. Mittal KR, et al. **J Clin Microbiol** 1983 Dec;18(6):1351–4

Identification of enterotoxigenic Escherichia coli isolated from swine with diarrhea in Thailand by colony hybridization, using three enterotoxin gene probes. Patamaroj U, et al. **J Clin Microbiol** 1983 Dec; 18(6):1429–31

Dermonecrotic activity of Pasteurella multocida strains isolated from pigs in Japanese field. Sawata A, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):141–8

Epidemiology of porcine neonatal steatorrhoea in Sweden. 1. Prevalence and clinical significance of coccidal and rotaviral infections. Nilsson O, et al. **Nord Vet Med** 1984 Mar-Apr;36(3-4):103–10

The detection of obligate anaerobic bacteria in swine abscesses. A comparison between gas-liquid chromatography and bacteriological culturing methods. van den Bogaard AE, et al. **Vet Microbiol** 1983 Aug; 8(4):389–96

Atypical rotaviruses in pigs and cattle. Chasey D, et al. **Vet Rec** 1984 Jan 7;114(1):16–7

Further studies on the subclinical carrier state of Streptococcus suis type 2 in pigs. Clifton-Hadley FA, et al. **Vet Rec** 1984 May 26;114(21):513–8

Experimental Aujeszky's disease in pigs: excretion, survival and transmission of the virus. Donaldson AI, et al. **Vet Rec** 1983 Nov 19;113(21):490–4

Leptospira interrogans serovar hardjo in pigs: a new host-parasite relationship in the United Kingdom. Hathaway SC, et al. **Vet Rec** 1983 Aug 13;113(7):153–4

Dermatomycosis in a pig and a ram [letter] White DG, et al. **Vet Rec** 1984 Feb 25;114(8):203–4

Influenza virus A/swine-outbreaks in domestic pigs and antibody findings in human sera. Sinnecker H, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1983 Sep; 255(2–3):209–13

Porcine parvovirus (P.P.V.): infection in boars. I. Possibility of a genital localization in the boar after oronasal infection. Bironi P, et al. **Zentralbl Veterinarmed** [B] 1983 Aug; 30(7):541–5

[Persistence of virus in swine stock and breeding farms following an outbreak of Aujeszky's disease] Maes L, et al. **Tijdschr Diergeneeskd** 1984 Jun 1;109(11):439–45 (Eng. Abstr.) **(Dut)**

[Chlamydia infection of swine. 1. Experimental chlamydia pneumonia of swine] Kielstein P, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):569–86 (Eng. Abstr.) **(Ger)**

[Occurrence of treponemas in swine. 2. Characterization of treponema strains based on their hemolyzing and serological properties as well as indole formation and virulence testing] Amtsberg G, et al. **Berl Munch Tierarztl Wochenschr** 1984 May 1;97(5):171–6 (Eng. Abstr.) **(Ger)**

[Occurrence of treponemas in swine. 1. Cultural demonstration and resistance testing] Meier C, et al. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):131–4 (Eng. Abstr.) **(Ger)**

[Vaccination of boars against Aujeszky's disease. 2. Virus excretion in nasal secretions and ejaculates] Ohlinger V, et al. **DTW** 1984 Mar 8;91(3):100–2 (Eng. Abstr.) **(Ger)**

[Pathogenesis of swine dysentery caused by Treponema hyodysenteriae] Pohlenz JF, et al. **DTW** 1983 Sep 8; 90(9):363–7 (Eng. Abstr.) **(Ger)**

[Plasmid content of swine-pathogenic E. coli, causative agent of diarrhea and enterotoxemia] Baumgartner A, et al. **Schweiz Arch Tierheilkd** 1983 Aug;125(8):497–506 (Eng. Abstr.) **(Ger)**

[Occurrence of Gram-negative anaerobic bacteria and clostridia in fecal flora of clinically healthy swine and weaned piglets with swine dysentery and nutritional diarrhea] Binder A, et al. **Zentralbl Veterinarmed** [B] 1984 Jul;31(6):401–12 (Eng. Abstr.) **(Ger)**

[Aujeszky's disease] Shimizu M. **Uirusu** 1983 Dec; 33(2):103–13 (75 ref.) **(Jpn)**

[Salmonellosis in breeds of pigs with latent infections and in salmonellosis foci] Simko S. **Vet Med (Praha)** 1984 May; 29(5):287–91 (Eng. Abstr.) **(Slo)**

MORTALITY

Causes and control of sow losses. Straw B. **Mod Vet Pract** 1984 May;65(5):349–53

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. II. Course and causes of diseases] Bühlmann J, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):779–88 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. I. Introduction and culling rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):771–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Oesophagogastric ulcer in swine and vitamin U. I. Relative incidence of the syndrome in Hungary. Tamás J, et al. **Acta Vet Hung** 1983;31(4):145–53

Prevalence of antibodies to Mycoplasma hyopneumoniae in Iowa swine. Young TF, et al. **Am J Vet Res** 1983 Oct; 44(10):1946–8

Influence of weaning age and housing conditions on gastro-intestinal disorders in piglets. Danielsen V. **Ann Rech Vet** 1983;14(4):479–83

Prevalence rate of porcine rotavirus in Danish swine herds. Svensmark B. **Ann Rech Vet** 1983;14(4):433–6

Prevalence of congenital abnormalities in pigs. Mulley RC, et al. **Aust Vet J** 1984 Apr;61(4):116–20

The pattern of endemic parvovirus infection in four pig herds. Pointon AM, et al. **Aust Vet J** 1983 Jun;60(6):166–71

A study of the incidence of porcine taeniasis and other intestinal parasites in a rural community of South Western Nigeria. Anong CI, et al. **Int J Zoonoses** 1983 Jun; 10(1):59–65

Clinical study of mastitis-metritis-agalactia in sows in Illinois. Bäckström L, et al. **J Am Vet Med Assoc** 1984 Jul 1; 185(1):70–3

Prevalence of oocysts of Isospora suis and Eimeria spp from sows on farms with and without a history of neonatal coccidiosis. Lindsay DS, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):419–21

Restricted energy intake and elevated calcium and phosphorus intake for boars during growth. II. Foot and leg measurements and toe and soundness scores. Kornegay ET, et al. **J Anim Sci** 1983 Nov;57(5):1182–99

Intrauterine growth retardation detected in several species by non-normal birthweight distributions. Wootton R, et al. **J Reprod Fertil** 1983 Nov;69(2):659–63

Ixodid ticks on feral swine in Florida. Greiner EC, et al. **J Wildl Dis** 1984 Apr;20(2):114–9

Epidemiological aspects of porcine rotavirus infection in Venezuela. Utrera V, et al. **Res Vet Sci** 1984 May; 36(3):310–5

The incidence of Balantidium coli among local and exotic pigs in Ibadan, Nigeria. Akinboade OA, et al. **Rev Elev Med Vet Pays Trop** 1983;36(2):133–6

Mortality, morbidity, and external injuries in piglets housed in two different housing systems. I. Farrowing house. Vellenga L, et al. **Vet Q** 1983 Jul;5(3):101–6

Analysis of a series of outbreaks of Aujeszky's disease in Yorkshire in 1981–82: the possibility of airborne disease spread. Gloster J, et al. **Vet Rec** 1984 Mar 10;114(10):234–9

Swine dysentery survey [letter] Taylor DJ. **Vet Rec** 1984 Aug 4;115(5):110–1

Avian tuberculosis in pigs: Mycobacterium intracellulare infection in a breeding herd. Windsor RS, et al. **Vet Rec** 1984 May 19;114(20):497–500

Animal health in flatdeck rearing of weaned piglets. Algers B. **Zentralbl Veterinarmed** [A] 1984 Feb;31(1):1–13

A seroepizootiological study of Parvovirus in pig herds. Vannier P, et al. **Zentralbl Veterinarmed** [B] 1984 Feb; 31(1):36–45

[Effect of housing on incidence and severity of osteochondrosis (OC) in fattening swine: comparison between housing in open front sty (OF) with deep straw bedding and closed sty with partly slatted floor (PS)] Häni H, et al. **Schweiz Arch Tierheilkd** 1983 Aug;125(8):453–75 (Eng. Abstr.) **(Ger)**

[Comparative studies of mortality, morbidity and growth rate in conventional and swine health service farms. III. Morbidity and fattening rate] Weibel W, et al. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):861–9 (Eng. Abstr.) **(Ger)**

[Seasonal incidence of fascioliasis in cattle and taeniasis in swine] Derylo A, et al. **Wiad Parazytol** 1983;29(3):343–9 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Experimental infection of domestic swine with Baylisascaris procyonis from raccoons. Kazacos KR, et al. **Am J Vet Res** 1984 Jun;45(6):1114–21

Distribution of Trichinella spiralis larvae in selected muscles and organs of experimentally infected swine. Kotula AW, et al. **J Anim Sci** 1984 Jan;58(1):94–8

Changes in the somatic musculature of the 4th-stage larvae of Ascaris suum Goeze, 1782 (Nematoda: Ascaridoidea) developing in swine. O'Grady RT. **Parasitology** 1984 Feb; 88 (Pt 1):141–51

Parasitic skin diseases of large animals. Fadok VA. **Vet Clin North Am [Large Anim Pract]** 1984 Mar;6(1):3–26 (28 ref.)

Pathogenicity of Eperythrozoon suis alone and when mixed with Babesia trautmanni in experimentally-infected pigs. Dipeolu OO, et al. **Vet Parasitol** 1983 Sep;13(2):127–34

Ocular and orbital cysticercosis in hogs. Cárdenas-Ramírez L, et al. **Vet Pathol** 1984 Mar;21(2):164–7

Isospora suis infection in piglets. A review. Harleman JH, et al. **Vet Q** 1983 Oct;5(4):178–85 (84 ref.)

[Life span of sarcoptic mites and their developmental stages in skin scrapings of swine under various environmental conditions] Haupt W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):623–8 (Eng. Abstr.) **(Ger)**

[Experimental parasitic infection in Sus scrofa L. in animal husbandry] Gadomska K. **Wiad Parazytol** 1983; 29(3):317–23 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Endocrine studies of a pig with ovotestes. Kunavongkrit A, et al. **Acta Vet Scand** 1983;24(4):515–7

Dyschondroplasias, including osteochondrosis, in boars between 25 and 169 days of age: histologic changes. Hill MA, et al. **Am J Vet Res** 1984 May;45(5):903–16

Cardiac dimensions in severely anemic neonatal pigs. Lee JC, et al. **Am J Vet Res** 1983 Oct;44(10):1940–2

Tonsillar changes in pigs given pseudorabies (Aujeszky's disease) virus. Narita M, et al. **Am J Vet Res** 1984 Feb; 45(2):247–51

Effect of age on susceptibility of pigs to Mycoplasma hyopneumoniae pneumonia. Piffer IA, et al. **Am J Vet Res** 1984 Mar;45(3):478–81

Clinical pathology of experimental stephanuriasis in pigs. Hutchinson GW, et al. **Aust Vet J** 1983 Jun;60(6):171–4

Asymmetric hindquarter syndrome in pigs. Mercy AR, et al. **Aust Vet J** 1983 Sep;60(9):267–9

Haemophilus parasuis septicaemia in pigs. Peet RL, et al.

Aust Vet J 1983 Jun;60(6):187

Prevalence of turbinate atrophy in slaughtered pigs: an abattoir survey. Webster WR, et al. **Aust Vet J** 1983 Aug; 60(8):252–3

The effects of calcium and vitamin D deficiencies on the pig mandibular bone. Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Dec; 26(4):285–95

Enteric adenovirus infection in pigs. Sanford SE, et al. **Can J Comp Med** 1983 Oct;47(4):396–400

Acute toxicosis in swine associated with excessive dietary intake of vitamin D. Long GG. **J Am Vet Med Assoc** 1984 Jan 15;184(2):164–70

Histopathological classification of spontaneous hyperplastic liver nodules in slaughtered swine. Hayashi M, et al. **J Comp Pathol** 1983 Oct;93(4):603–12

Avian tuberculosis in pigs: miliary lesions in bacon pigs. Windsor RS, et al. **J Hyg (Lond)** 1984 Apr;92(2):129–38

Copper deficiency in piglets characterized by spongy myelopathy and degenerative lesions in the great blood vessels. Pletcher JM, et al. **J S Afr Vet Assoc** 1983 Mar; 54(1):43–6

Malignant melanomas in farm animals. Baba AI, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep;29(3):191–4

Necrotizing vasculitis in piglets infected orally with the virus of Aujeszky's disease. Narita M, et al. **Nippon Juigaku Zasshi** 1984 Feb;46(1):119–22

Multiple ganglioneuroma derived from intramural plexus of jejunum in a sow. Une Y, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):247–50

Reproducible pneumonia in gnotobiotic piglets induced with broth cultures of Mycoplasma hyopneumoniae and the effect of animal passage on virulence. Hannan PC, et al. **Res Vet Sci** 1984 Mar;36(2):153–63

An ultrastructural analysis of osteochondritic growth plate cartilage in growing swine. Farnum CE, et al. **Vet Pathol** 1984 Mar;21(2):141–51

Ovarian hemangioma in swine. Hsu FS. **Vet Pathol** 1983 Jul; 20(4):401–9

Ultrastructure and C-type particles in myeloid leukemia of a pig. Kadota K, et al. **Vet Pathol** 1984 Mar;21(2):263–5

Necrotizing enteritis in piglets associated with Aujeszky's disease virus infection. Narita M, et al. **Vet Pathol** 1984 Jul;21(4):450–2

Lesions of porcine necrotic ear syndrome. Richardson JA, et al. **Vet Pathol** 1984 Mar;21(2):152–7

Spontaneous swine glomerulonephritis in littermates from a leukemic sow. Shirota K, et al. **Vet Pathol** 1984 Mar; 21(2):158–63

Tumors and tumor-like lesions in the genitalia of sows. Akkermans JP, et al. **Vet Q** 1984 Apr;6(2):90–6

Atrophic rhinitis: snout morphometry for quantitative assessment of conchal atrophy. Done JT, et al. **Vet Rec** 1984 Jan 14;114(2):33–5

Two simple methods for recording porcine turbinate morphology. Lund LJ, et al. **Vet Rec** 1983 Nov 12; 113(20):473

Rectal stricture in pigs [letter] Spellman PG. **Vet Rec** 1984 Mar 24;114(12):303

Swine pleuropneumonia produced by Haemophilus pleuropneumoniae. III. An electron microscopic study. Perfumo CJ, et al. **Zentralbl Veterinarmed [B]** 1983 Oct; 30(9):678–84

[Pathohistological changes in the mammae and sex organs of sows with the MMA syndrome] Dzhurova I, et al. **Vet Med Nauki** 1983;20(8):93–100 (Eng. Abstr.) **(Bul)**

[Ulcer of the preputial diverticulum in swine] Wieringa W, et al. **Tijdschr Diergeneeskd** 1983 Oct 1;108(19):751–60 (Eng. Abstr.) **(Dut)**

[Chlamydia infections in swine. 2. Pathologic-histological peculiarities of experimental Chlamydia pneumonia in swine] Martin J, et al. **Arch Exp Veterinarmed** 1983 Nov; 37(6):939–49 (Eng. Abstr.) **(Ger)**

[Experimental studies of the clinical course and sequelae of sarcoptic mange in swine] Nickel EA. **Arch Exp Veterinarmed** 1983 Jul;37(4):617–21 (Eng. Abstr.) **(Ger)**

[Ascarid larvae-induced liver changes ('milk spots') in swine] Mehl WM, et al. **Berl Munch Tierarztl Wochenschr** 1983 Nov 1;96(11):405–9 (Eng. Abstr.) **(Ger)**

[Swine influenza: anatomic and histologic changes in the respiratory tract] Guarda F, et al. **DTW** 1983 Sep 8; 90(9):356–8 (Eng. Abstr.) **(Ger)**

[Importance of precolostral inoculation of piglets with porcine enterovirus serotype 2 for the course of a postcolostral infection with Bordetella bronchiseptica] Niebuhr L, et al. **DTW** 1984 Apr 9;91(4):139–44 (Eng. Abstr.) **(Ger)**

[Detachment of the anconeal process in swine] Häni H. **Schweiz Arch Tierheilkd** 1984 Mar;126(3):141–53 (Eng. Abstr.) **(Ger)**

[Effect of calcium and phosphorus supply on osteochondrosis in fattening swine] Häni H, et al. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):537–44 (Eng. Abstr.) **(Ger)**

[Renal cystic diseases in pigs] Ferrer Caubet L, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):9–16 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Modification of the effects of aflatoxin B1 and warfarin in young pigs given selenium. Davila JC, et al. **Am J Vet Res** 1983 Oct;44(10):1877–83

Pulmonary and hematologic changes in swine with Mycoplasma hyopneumoniae pneumonia. Intraraksa Y, et al. **Am J Vet Res** 1984 Mar;45(3):474–7

Influence of environmental factors on the onset of digestive disorders of the weaned piglet. Madec F, et al. **Ann Rech Vet** 1983;14(4):456–62

Environment and gastro-enteritis. Vannier P, et al. **Ann Rech Vet** 1983;14(4):450–5

The effect of pseudorabies (Aujeszky's) virus infection on young mature boars and boar fertility. Hall LB Jr, et al. **Can J Comp Med** 1984 Apr;48(2):192–7

Influence of an experimental infection of Strongyloides ransomi on performance of pigs. Hale OM, et al. **J Anim Sci** 1984 May;58(5):1231–5

Tiamulin feed medication for the maintenance of weight gains in the presence of mycoplasmal pneumonia in swine. Hsu FS, et al. **J Anim Sci** 1983 Dec;57(6):1474–8

Comparison of physiological indicators of chronic stress in confined and nonconfined gilts. Rampacek GB, et al. **J Anim Sci** 1984 Feb;58(2):401–8

Do gilts and barrows react similarly with respect to leg weakness and osteochondrosis? van der Wal PG, et al. **Vet Q** 1983 Oct;5(4):175–7

Tiamulin feed premix in the improvement of growth performance of pigs in herds severely affected with enzootic pneumonia. Burch DG. **Vet Rec** 1984 Mar 3; 114(9):209–11

[Incidence of various disorders in fattening pigs and their effects on growth and carcass quality] van Dijk WP, et al. **Tijdschr Diergeneeskd** 1984 Jul 1;109(13):539–48 (Eng. Abstr.) **(Dut)**

PREVENTION & CONTROL

Malignant hyperthermia in pigs modified by low-potassium diets. Jørgensen PF. **Acta Vet Scand** 1983;24(4):512–4

Noneffectiveness of verapamil in preventing halothane-induced malignant hyperthermia in susceptible swine. McGrath CJ, et al. **Am J Vet Res** 1984 May; 45(5):935–7

Genetic differences in serum-neutralization titers of pigs after vaccination with pseudorabies modified live-virus vaccine. Rothschild MF, et al. **Am J Vet Res** 1984 Jun;45(6):1216–8

Endotoxin shock in the pig: beneficial effects of pretreatment with prednisolone sodium succinate. Schrauwen EM, et al. **Am J Vet Res** 1984 Aug;45(8):1650–3

The effectiveness of inactivated vaccines applied parenterally to sows to control Escherichia coli diarrhea in piglets in an industrial fattening farm. Ciosek D, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):313–9

Disease prevention in pig herds. Douglas A. **In Pract** 1984 Jul;6(4):108–15

Evaluation of fenbendazole as an extended anthelmintic treatment regimen for swine. Corwin RM, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):58–9

Use of hyperimmune serum, vaccination, and certain management procedures for control of pseudorabies in swine. Hsu FS, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1463–6

Autogenous E coli bacterins for swine. Perry JM. **Mod Vet Pract** 1982 Sep;63(9):721

Prevention of colibacillosis in neonatal swine with a 4-pilus E coli bacterin. To SC. **Mod Vet Pract** 1984 Jan;65(1):39–41

Swine management errors. Wallace HM. **Mod Vet Pract** 1984 Mar;65(3):225–6

Evaluation of prophylactic activity of drugs on swine gastroesophageal ulcer induced by betazole-reserpine using the method of endoscopy. Kokue E, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):143–9

Swine dysentery: protection against experimental challenge following single dose parenteral immunisation with inactivated Treponema hyodysenteriae. Fernie DS, et al. **Res Vet Sci** 1983 Sep;35(2):217–21

An inactivated, oil-emulsion vaccine for the prevention of porcine parvovirus-induced reproductive failure. Wrathall AE, et al. **Res Vet Sci** 1984 Mar;36(2):136–43

The evaluation of a lectin-agarose based subunit vaccine and complementary diagnostic antigen for Aujeszky's disease (pseudorabies) in the pig. Platt KB. **Vet Microbiol** 1984 Feb;9(1):35–51

Aujeszky's disease: past, present and future. **Vet Rec** 1983 Oct 15;113(16):357–8

Control of stillbirths in pigs using homoeopathy. Day CE. **Vet Rec** 1984 Mar 3;114(9):216

Influence of vaccination on Aujeszky's disease virus and disease transmission. Donaldson AI, et al. **Vet Rec** 1984 Aug 11;115(6):121–4

Monitoring for atrophic rhinitis: five years' experience with a pilot control scheme. Goodwin RF, et al. **Vet Rec** 1983 Oct 29;113(18):411–2

Creep feeding and post weaning diarrhoea in piglets. Miller BG, et al. **Vet Rec** 1984 Mar 24;114(12):296–7

[Prevention of colibacillosis in pigs with CA-80 polyvalent vaccine] Boiadzhiev S, et al. **Vet Med Nauki** 1983;20(7):3–8 (Eng. Abstr.) **(Bul)**

[Comparative studies on the resorption, anti-anemic action and growth effect of FV-82 and dextrofer-100 on pigs] Dilov P, et al. **Vet Med Nauki** 1984;21(5):77–85 (Eng. Abstr.) **(Bul)**

[The effect of preventive administration of vitamin A and E to piglets fed a complete mixture] Dvořák M. **Vet Med (Praha)** 1983 Nov;28(11):641–50 (Eng. Abstr.) **(Cze)**

[From the Veterinary Chief Inspection of Public Health and the Board of the Veterinary Service. The use of tranquilizers (calming agents) in slaughtering pigs] **Tijdschr Diergeneeskd** 1983 Dec 1;108(23):925 **(Dut)**

[Tranquilizers in the transport of slaughtering pigs: a problem of residues?] Rauws AG. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):659–64 (Eng. Abstr.) **(Dut)**

[Passive immunoprophylaxis against coli dysentery of suckling pigs by vaccination of sows with attenuated Escherichia coli mutants. 1. Clinical and laboratory diagnostic results of the combined use of K88- and K99-antigen-containing strains derived from Escherichia coli mutants] Hübner A, et al. **Arch Exp Veterinarmed** 1983 Sep;37(5):717–27 (22 ref.) (Eng. Abstr.) **(Ger)**

[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal-staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**

[Vaccination of boars against Aujeszky's disease. 1. Spermatological findings during vaccination against Aujeszky's disease and in a subsequent infection trial] Gaus J, et al. **DTW** 1984 Mar 8;91(3):98–100 (Eng. Abstr.) **(Ger)**

[Effect of vaccination against Aujeszky's disease on the physical development and fertility of boars] Weitze KF, et al. **DTW** 1983 Oct 6;90(10):434–7 (Eng. Abstr.) **(Ger)**

[Basic aspects of vaccination against neonatal Escherichia coli diarrhea in pigs] Bertschinger HU. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):59–63 (Eng. Abstr.) **(Ger)**

[Epizootiological studies of atrophic rhinitis and pneumonia of swine. V. Studies on specific control] Eliás B, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):180–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Venous drainage of the femoral neck in Legg Perthes disease and in hip dysplasia. A clinical and experimental study in the dog and pig. Alitalo I, et al. **Acta Vet Scand** 1983; 24(3):247–51

Dyschondroplasias, including osteochondrosis, in boars between 25 and 169 days of age: radiologic changes. Hill MA, et al. **Am J Vet Res** 1984 May;45(5):917–25

SURGERY

Surgery in rectal stricture in pigs [letter] Boyd JS, et al. **Vet Rec** 1984 Apr 14;114(15):386

Replacement of prolapsed uterus in a sow [letter] Edwards BL. **Vet Rec** 1984 Jan 28;114(4):102

THERAPY

Diarrhoea treatments—fluid replacement and alternatives. Bywater RJ. **Ann Rech Vet** 1983;14(4):556–60

Fluid therapy for alimentary disease: origins and objectives. Michell AR. **Ann Rech Vet** 1983;14(4):527–32

Streptococcus suis type 2 in British pig herds. Heard T. **In Pract** 1984 May;6(3):69–71

TRANSMISSION

The supposed involvement of dogs carrying Brucella suis in the spread of swine brucellosis. Körmendy B, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):1–7

A study of human and porcine Ascariasis in a rural area of South-West Nigeria. Kofie BA, et al. **Int J Zoonoses** 1983 Jun;10(1):66–70

Zoonotic studies on influenza in pigs and birds, India, 1980–81. Rao BL, et al. **Int J Zoonoses** 1983 Jun;10(1):40–4

Effect of chlortetracycline on the spread of R-100 plasmid-containing Escherichia coli BEL15R from experimentally infected pigs to uninfected pigs and chicks. Jones FT, et al. **J Anim Sci** 1984 Mar;58(3):519–26

SWINE ERYSIPELAS see under **ERYSIPELOTHRIX INFECTIONS**

SWINE FEVER VIRUS see **HOG CHOLERA VIRUS**

SWINE, MINIATURE

Regression of swine atherosclerosis: susceptibilities of various lesion features. Daoud AS, et al. **Adv Exp Med Biol** 1984; 168:115–37

Effects of a new antianginal agent, nicorandil, on the cardiovascular system of the miniature pig: with special reference to coronary vasospasm. Sakai K, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):220–8

[Occlusion disorders causing functional irritation of the orofacial organ in miniature Mini Lewe swine] Ulrici V, et al. **Z Versuchstierkd** 1984;26(3):107–9 (Eng. Abstr.) **(Ger)**

[Preparation of experimental hypertension in mini-pigs] Yasuda Y, et al. **Jikken Dobutsu** 1983 Oct;32(4):185–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Cardiac morphologic alterations in acute minoxidil cardiotoxicity in miniature swine. Van Vleet JF, et al. **Exp Mol Pathol** 1984 Aug;41(1):10–25

BLOOD

Reference values of various blood constituents in young minipigs. Brechbühler T, et al.
J Clin Chem Clin Biochem 1984 Apr;22(4):301–4

Blood coagulation studies in domestic pigs (Hanover breed) and minipigs (Goettingen breed). Köstering H, et al.
Lab Anim 1983 Oct;17(4):346–9

Ethanol consumption and serum lipid profiles in Sinclair(S–1) miniature swine. Foudin L, et al. **Life Sci** 1984 Feb 27; 34(9):819–26

[Blood specimen collection and liver biopsy in miniature swine] Nawroth R, et al.
Z Exp Chir Transplant Kunstliche Organe 1983;16(6):365–9 (Eng. Abstr.) (Ger)

[Blood and serum values in Göttingen miniature swine. 4. Effect of endogenous and exogenous factors on the blood picture] Oldigs B, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):46–58 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Postnatal DNA–syntheses and mitoses in hearts of dwarf pigs. Langes K, et al. **J Mol Cell Cardiol** 1983 Dec;15(12):831–44

IMMUNOLOGY

The appearance of an IgD–like molecule on pig lymphocytes during ontogeny. Trebichavský I, et al.
Folia Microbiol (Praha) 1983;28(6):484–8

Immunologic characterization of MHC recombinant swine: role of class I and II antigens in in vitro immune responses. Thistlethwaite JR Jr, et al. **J Immunogenet** 1984 Feb; 11(1):9–19

Two–dimensional gel analysis of swine histocompatibility antigens. Osborne BA, et al. **J Immunol** 1983 Dec; 131(6):2939–44

Preparation and characterization of monoclonal antibodies reactive with porcine PBL. Pescovitz MD, et al.
J Immunol 1984 Jul;133(1):368–75

Localization of class II MHC antigens on porcine renal vascular endothelium. Pescovitz MD, et al.
Transplantation 1984 Jun;37(6):627–30

METABOLISM

Increased glucose uptake precedes hyperinsulinemia in awake endotoxemic minipigs. Hand MS, et al. **Circ Shock** 1983; 11(4):287–95

Reduced hepatic blood flow does not limit gluconeogenesis in awake endotoxic minipigs. Hand MS, et al.
Circ Shock 1983;11(4):269–85

Pharmacokinetics of ethynyl estradiolsulfonate in minipigs. Claussen C, et al. **Horm Res** 1984;19(1):57–64

Sexual dimorphism involving steroidal pheromones and their binding protein in the submaxillary salivary gland of the Göttingen miniature pig. Booth WD. **J Endocrinol** 1984 Feb;100(2):195–202

Lectin–binding histochemistry of non–decalcified growth plate cartilage: a postembedment method for light microscopy of epon–embedded tissue. Farnum CE, et al.
J Histochem Cytochem 1984 Jun;32(6):593–607

Pharmacokinetic estimation of residual time at the injected muscle after intramuscular administration of a water soluble drug in swine. Tamura A, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):187–93

PHYSIOLOGY

Pathophysiologic effects of acceleration stress in the miniature swine. Burns JW, et al.
Aviat Space Environ Med 1983 Oct;54(10):881–93

A diabetes insipidus–like syndrome in the intact Yucatan miniature boar following implantation of desoxycorticosterone–acetate (DOCA). Terris JM.
Comp Biochem Physiol [A] 1984;77(4):713–6

Pituitary–ovarian relationships during the estrous cycle and the influence of parity in an inbred strain of miniature swine. Howard PK, et al. **J Anim Sci** 1983 Dec; 57(6):1517–24

[Reaction of the masticatory musculature to unilateral occlusal disorders—an experimental study in miniature swine. 2. Biochemical masticatory muscle analyses, masticatory force measurements and muscle mass determinations] Ulrici V, et al. **Zahn Mund Kieferheilkd** 1984;72(4):311–5 (Eng. Abstr.) (Ger)

SURGERY

[Experiences with partial tongue resection in miniature swine as an indication for experimental studies of mandibular growth] Härtel J, et al. **Z Versuchstierkd** 1984;26(1):5–10 (Eng. Abstr.) (Ger)

[Experimental surgery in miniature swine MINI–LEWE under thiobarbiturate anesthesia] Stier H, et al.
Z Versuchstierkd 1984;26(1):39–42 (Eng. Abstr.) (Ger)

SWINE VESICULAR DISEASE see under **ENTEROVIRUS INFECTIONS**

SWINEPOX VIRUS see under **POXVIRIDAE**

SWISS BLUE see **METHYLENE BLUE**

SWITCHBOARD SERVICE see **TELEPHONE**

SYCOSIS see **FOLLICULITIS**

SYDNONES see under **OXADIAZOLES**

SYMBIOSIS

Cyanobacteria–eukaryotic plant symbioses. Stewart WD, et al. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):205–28 (82 ref.)

Parasitic origins of nitrogen–mixing Rhizobium–legume symbioses. A review of the evidence. Sharifi E.
Biosystems 1983–84;16(3–4):269–89 (65 ref.)

Structural relationships among Rhizobium meliloti symbiotic promoters. Better M, et al. **Cell** 1983 Dec;35(2 Pt 1):479–85

A Rhizobium meliloti symbiotic regulatory gene. Szeto WW, et al. **Cell** 1984 Apr;36(4):1035–43

Sym plasmid transfer to various symbiotic mutants of Rhizobium trifolii, R. leguminosarum, and R. meliloti. Djordjevic MA, et al. **J Bacteriol** 1983 Dec;156(3):1035–45

Rhizobium phaseoli symbiotic mutants with transposon Tn5 insertions. Noel KD, et al. **J Bacteriol** 1984 Apr; 158(1):148–55

Molecular characterization of Tn5–induced symbiotic (Fix–) mutants of Rhizobium meliloti. Zimmerman JL, et al.
J Bacteriol 1983 Dec;156(3):1025–34

On the origin of terpenes in symbiotic associations between marine invertebrates and algae (zooxanthellae). Culture studies and an application of 13C/12C isotope ratio mass spectrometry. Kokke WC, et al. **J Biol Chem** 1984 Jul 10; 259(13):8168–73

Infection of macronuclear anlagen of Paramecium caudatum with the macronucleus–specific symbiont Holospora obtusa. Fujishima M, et al. **J Cell Sci** 1983 Nov;64:137–46

Intracellular infection of aposymbiotic Hydra viridis by a foreign free–living Chlorella sp.: initiation of a stable symbiosis. Rahat M, et al. **J Cell Sci** 1984 Jan;65:265–77

Significance of symbionts in Hippobosca equina L. (Diptera: Hippoboscidae). Fouda MA. **J Egypt Soc Parasitol** 1984 Jun;14(1):105–8

Physical and genetic characterization of Rhizobium meliloti symbiotic mutants. Buikema WJ, et al.
J Mol Appl Genet 1983;2(3):249–60

Relationship between luminous fish and symbiosis. I. Comparative studies of lipopolysaccharides isolated from symbiotic luminous bacteria of the luminous marine fish, Physiculus japonicus. Kuwae T, et al.
Microbiol Immunol 1983;27(10):847–59

Soybean lectin: does it have an essential role in the rhizobium–soybean symbiosis? Pueppke SG.
Prog Clin Biol Res 1983;138:225–36

SYMBIOTES

PHYSIOLOGY

Observation of symbiote migration in human body lice with scanning and transmission electron microscopy. Eberle MW, et al. **Can J Microbiol** 1983 Jul;29(7):755–62

ULTRASTRUCTURE

Occurrence of rickettsia–like symbionts among species of the Aedes scutellaris group (Diptera:Culicidae). Meek SR.
Ann Trop Med Parasitol 1984 Aug;78(4):377–81

SYMBIOTIC RELATIONS (PSYCHOLOGY) see **OBJECT ATTACHMENT**

SYMBOLISM (PSYCHOLOGY)

A comment on equating information with symbol strings. Turvey MT, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R925–7

Agents and recipient objects in the development of early symbolic play. Watson MW, et al. **Child Dev** 1984 Jun; 55(3):1091–7

The father's anima as a clinical and as a symbolic problem. Beebe J. **J Anal Psychol** 1984 Jul;29(3):277–87

Amplification: the spiral. Russack NW. **J Anal Psychol** 1984 Apr;29(2):124–34

The partner relationship in individual analysis: The symbolic and concrete approach. Wilke HJ. **J Anal Psychol** 1984 Jul;29(3):231–42

Symbolic play and early language development in normal and mentally retarded children. Casby MW, et al.
J Speech Hear Res 1983 Sep;26(3):404–11

Possible unconscious significance of the positions of the analysand and analyst in psychoanalysis. Bergel EW.
Psychiatry 1984 Aug;47(3):293–8

Symbolic vessels for voyages of self–cure. Burnham DL.
Psychiatry 1984 Feb;47(1):18–27

The Vietnam veteran: memory, social context, and metaphor. Holloway HC, et al. **Psychiatry** 1984 May;47(2):103–8

Freud's use of metaphor. Edelson JT.
Psychoanal Study Child 1983;38:17–59

The symbolic relationship of breast cancer patients to their cancer, cure, physician, and themselves. Engelman SR, et al. **Psychother Psychosom** 1984;41(2):68–76

[Commemorative stamps for the International Year of the Handicapped —classified according to rehabilitative aspects] Bläsig W. **Rehabilitation (Stuttg)** 1983 Nov; 22(4):162–5 (Eng. Abstr.) (Ger)

[Gestalt and symbolism of the human body] Schrenk M.
Z Klin Psychol Psychopathol Psychother 1983;31(2):158–73 (Ger)

[The symbolic function of drugs] Lefèvre F.
Rev Saude Publica 1983 Dec;17(6):500–3 (Eng. Abstr.) (Por)

SYMPAETHAMIN see **SYNEPHRINE**

SYMPATHECTOMY

Ipsilateral thyroid growth and depressed thyroid hormone synthesis and content after unilateral superior cervical ganglionectomy in rats. Pisarev MA, et al.
Acta Physiol Lat Am 1983;33(2):164–70

The effect of lumbar sympathectomy on fiber composition, contractility of skeletal muscle and regulation of central circulation in dogs. Karlsson J, et al.
Acta Physiol Scand 1983 Sep;119(1):1–6

Partial sympathetic denervation for variant angina pectoris [letter] Spodick DH. **Am J Cardiol** 1983 Nov 1;52(8):1153

Popliteal aneurysms. A clinical appraisal. Mangiante EC, et al. **Am Surg** 1984 Sep;50(9):469–72

Reduced resistances of septal artery collateral channels after cardiac sympathectomy. Scheel KW, et al.
Basic Res Cardiol 1983 Jul–Aug;78(4):373–83

Sympathetic denervation impairs agonist–stimulated phosphatidylinositol metabolism in rat parotid glands. Downes CP, et al. **Biochem J** 1983 Sep 15;214(3):865–70

Energy balance following sympathetic denervation of brown adipose tissue. Dulloo AG, et al.
Can J Physiol Pharmacol 1984 Feb;62(2):235–40

Ocular hypotensive action of ergoline derivatives in rabbits: effects of sympathectomy and domperidone pretreatment. Potter DE, et al. **Curr Eye Res** 1984 Feb;3(2):307–14

Cardiac hypertrophy in surgically denervated dogs with aortic stenosis. Matoba T, et al. **Experientia** 1984 Jan 15; 40(1):73–5

Effects of stellectomy on cardiac rhythm disturbances induced by ouabain in guinea pigs. Kujime K, et al.
J Pharmacol Exp Ther 1984 Apr;229(1):113–7

Urodynamic findings and clinical status following vesical denervation procedures for control of incontinence. McGuire EJ, et al. **J Urol** 1984 Jul;132(1):87–8

Changes in sensitivity to the inhibitory effects of adrenergic agonists on intestinal motor activity after chronic sympathetic denervation. Frigo GM, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Feb; 325(2):145–52

Effects of various vagotomies and sympathectomies on gastric secretory functions in the non–stressed and by immobilization stressed rat. Hanisch E, et al.
Scand J Gastroenterol [Suppl] 1984;89:99–104

Gastric function before and after gastric sympathectomy and subsequent truncal vagotomy. Hollinshead J, et al.
Scand J Gastroenterol [Suppl] 1984;89:105–12

The effect of chemical and surgical sympathectomy on gastric secretion and innervation. Larson GM, et al.
Scand J Gastroenterol [Suppl] 1984;89:27–32

How to achieve total gastric sympathectomy. Silber R, et al. **Scand J Gastroenterol [Suppl]** 1984;89:89–94

Cerebral artery mass in the rabbit is reduced by chronic sympathetic denervation. Bevan RD, et al. **Stroke** 1983 May–Jun;14(3):393–6

Regional cerebral blood flow during hypotension in normotensive and stroke–prone spontaneously hypertensive rats: effect of sympathetic denervation. Sadoshima S, et al. **Stroke** 1983 Jul–Aug;14(4):575–9

[A predictive thermographic test of the effect of lumbar sympathectomy] Delcour C, et al. **J Mal Vasc** 1984; 9(1):35–7 (Eng. Abstr.) (Fre)

[Management of causalgia by means of spinal ganglionectomy] Ito H, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):330–4 (Eng. Abstr.) (Jpn)

[Therapeutic possibilities of lumbar sympathectomy in chronic obstructive arteriopathies of the pelvic limbs] Angelescu N, et al. **Rev Chir [Chir]** 1984 Jan–Feb; 33(1):23–8 (Eng. Abstr.) (Rum)

[Lumbar sympathectomy in patients with thromboangiitis] Rada IO. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):29–38 (Eng. Abstr.) (Rum)

[Sympathectomy in the treatment of obliterating endarteritis] Zakharova GN, et al. **Khirurgiia (Mosk)** 1984 May; (5):79–83 (Eng. Abstr.) (Rus)

[Left–sided thoracic sympathectomy in the treatment of obliterating diseases of the arteries of the extremities] Dzhumbaev SU, et al. **Klin Khir** 1984 Jul;(7):17–9 (Eng. Abstr.) (Rus)

[Periarterial sympathectomy of the axillary artery in the combined treatment of Zudeck's syndrome] Osepian IA, et al. **Ortop Travmatol Protez** 1984 Jun;(6):25–7 (Eng. Abstr.) (Rus)

[Effect of periarterial sympathectomy and decompensation of the celiac trunk on gastric secretion in the abdominal pain syndrome] Gervaziev VB, et al. **Vestn Khir** 1983 Oct; 131(10):9–13 (Eng. Abstr.) (Rus)

[Hemodynamics of the lower extremities following lumbar sympathectomy] Khresat M, et al. **Vestn Khir** 1984 Apr; 132(4):57–61 (Eng. Abstr.) (Rus)

[Results of the surgical treatment of hypertension] Myts BV, et al. **Vestn Khir** 1984 May;132(5):52–5 (Eng. Abstr.) (Rus)

[Lumbar sympathectomy in patients with arteriosclerosis

obliterans of the lower extremities] Lisitsyn KM, et al. **Voen Med Zh** 1984 Apr;(4):23-5 **(Rus)**

METHODS

The rationale and the role of left stellectomy for the prevention of malignant arrhythmias. Schwartz PJ. **Ann NY Acad Sci** 1984;427:199-221

A microsurgical method for denervation of the liver in the rat. Holmin T, et al. **Eur Surg Res** 1984;16(5):288-93

Modified supraclavicular approach for upper thoracic sympathectomy. Soliman SM. **J R Coll Surg Edinb** 1984 May;29(3):162-6

Radiofrequency percutaneous upper-thoracic sympathectomy. Technique and review of indications. Wilkinson HA. **N Engl J Med** 1984 Jul 5;311(1):34-6

[Thromboangiitis obliterans treated by lumbar sympathectomy and subtotal adrenalectomy] Yu YX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):246-8 **(Chi)**

[Endobronchial ventilation in transthoracic endoscopic sympathectomy] Eilenberger K, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):174-6 (Eng. Abstr.) **(Ger)**

[Stellectomy in patients with ischemic heart disease and only slightly changed coronary arteries] Kniazev MD, et al. **Kardiologiia** 1984 Feb;24(2):24-9 (Eng. Abstr.) **(Rus)**

SYMPATHECTOMY, CHEMICAL

The diuretic action of noradrenaline and dopamine in rats with chemical serotoninectomy and central nervous system sympathectomy. Brus R, et al. **Acta Physiol Pol** 1983 May-Jun;34(3):339-43

Circulatory and humoral responses of sympathectomized fetal sheep to hypoxemia. Iwamoto HS, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H767-72

Responses of SHR to combinations of chemical sympathectomy, adrenal demedullation, and training. Tipton CM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H109-18

Neonatal 6-hydroxydopamine treatment and the development of renal hypertension in the rat. Kurnjek ML, et al. **Clin Exp Hypertens [A]** 1984;6(5):1011-26

Intracardiac electrophysiological study of S-2395 in intact and chemically sympathectomized dogs. Guimond C, et al. **Eur Heart J** 1983 Jul;4(7):512-20

Post-ganglionic chemical sympathectomy of the cat nictitating membrane following systemic epinephrine: degeneration of nerve terminals followed by regeneration. Flach AJ, et al. **Exp Eye Res** 1983 Nov;37(5):447-53

Further studies on the development of two-kidney, two clip Goldblatt hypertension in 6-hydroxydopamine-treated rats. Kurnjek ML, et al. **Hypertension** 1983 Nov-Dec;5(6 Pt 3):V3-7

Guanethidine-induced destruction of sympathetic neurons. Johnson EM Jr, et al. **Int Rev Neurobiol** 1984;25:1-37

Effects of chemical sympathectomy by 6-hydroxydopamine on alpha-adrenoceptor-mediated pressor responses in pithed rat. Matthews WD, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):233-7

Experimental sensory ganglionectomy by way of suicide axoplasmic transport. Yamamoto T, et al. **J Neurosurg** 1984 Jan;60(1):108-14

Botulinum toxin chemo-denervation for strabismus in infants and children. Magoon EH. **J Pediatr Ophthalmol Strabismus** 1984 May-Jun; 21(3):110-3

Effects of chemical sympathectomy on insulin receptors and insulin action in isolated rat adipocytes. Joost HG, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):839-44

Effect of ovarian sympathectomy on follicular development during compensatory ovarian hypertrophy in the guinea-pig. Curry TE Jr, et al. **J Reprod Fertil** 1984 May; 71(1):39-44

Urodynamic findings and clinical status following vesical denervation procedures for control of incontinence. McGuire EJ, et al. **J Urol** 1984 Jul;132(1):87-8

New approaches to sympathetic blocks as treatment of postmastectomy lymphedema. Report of a successful case. Swedborg I, et al. **Lymphology** 1983 Sep;16(3):157-63

Fetal cardiovascular and catecholamine responses to hypoxemia after chemical sympathectomy. Lewis AB, et al. **Pediatr Res** 1984 Apr;18(4):318-22

Effect of guanethidine sympathectomy on intake and body weight of intact and LHA-lesioned rats. Storlien LH, et al. **Physiol Behav** 1983 Sep;31(3):401-4

The effect of chemical sympathectomy on insulin-stimulated gastric secretion in dogs. Grabner P, et al. **Scand J Gastroenterol** 1984 Mar;19(2):178-83

Postvagotomy acid secretion and mucosal blood flow during beta-adrenoceptor stimulation and universal chemical sympathectomy in dogs. Hovendal CP. **Scand J Gastroenterol** 1983 Jan;18(1):97-102

The effect of chemical sympathectomy on insulin-stimulated gastric secretion in dogs. Grabner P, et al. **Scand J Gastroenterol [Suppl]** 1984;89:95-8

Effects of various vagotomies and sympathectomies on gastric secretory functions in the non-stressed and by immobilization stressed rat. Hanisch E, et al. **Scand J Gastroenterol [Suppl]** 1984;89:99-104

The effect of chemical and surgical sympathectomy on gastric secretion and innervation. Larson GM, et al. **Scand J Gastroenterol [Suppl]** 1984;89:27-32

[Effect of neonatal sympathectomy on systemic hemodynamics and myocardial contractility in spontaneously hypertensive rats] Markov KhM, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):35-7 (Eng. Abstr.) **(Rus)**

[Effect of chemical sympathectomy on the development of DOCA-salt hypertension in rats] Vakulina TP, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):22-5 (Eng. Abstr.) **(Rus)**

[Inotropic action of isoprenaline on intact and reserpinized rat hearts with repeated administrations of the drug] Kozlov AG, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):232-4 **(Rus)**

ADVERSE EFFECTS

Ejaculatory failure after chemical sympathectomy. Baxter AD, et al. **Anesth Analg** 1984 Aug;63(8):770-1

Ureteric injury following chemical sympathectomy. Fraser I, et al. **Br J Surg** 1984 May;71(5):349

[Morphofunctional changes in the myocardium following sympathectomy and their role in the development of sudden death from ventricular fibrillation] Beskrovnova NN, et al. **Vestn Akad Med Nauk SSSR** 1984;(2):80-5 (Eng. Abstr.) **(Rus)**

METHODS

Percutaneous phenol neurolysis of the lumbar sympathetic chain with computed tomography control. Dondelinger R, et al. **Ann Radiol (Paris)** 1984 Apr-May;27(4):376-9

[Treatment of reflex algodystrophy by intravenous reserpine block] Ficat C, et al. **Rev Chir Orthop** 1983;69 Suppl 2:83-8 **(Fre)**

[Sonographically guided and intraoperative alcohol block of the celiac ganglia in conservatively uncontrollable cancer-induced epigastric pain] Greiner L, et al. **Ultraschall Med** 1983 Mar;4(1):57-9 (Eng. Abstr.) **(Ger)**

[Therapeutic axillary anesthesia in Sudeck syndrome] Faluhelyi A, et al. **Orv Hetil** 1983 Aug 7;124(32):1943-5 (Eng. Abstr.) **(Hun)**

[The 3d spinal space, subdural or epiarachnoid space. Its application to the treatment of pain] Garcelán Carrasco F, et al. **Rev Esp Anestesiol Reanim** 1983 Sep-Oct; 30(5):186-90 (Eng. Abstr.) **(Spa)**

SYMPATHETIC BLOCKING AGENTS see **SYMPATHOLYTICS**

SYMPATHETIC FIBERS see **ADRENERGIC FIBERS**

SYMPATHETIC GANGLIA see **GANGLIA, SYMPATHETIC**

SYMPATHETIC NERVE BLOCK see **AUTONOMIC NERVE BLOCK**

SYMPATHETIC NERVOUS SYSTEM

Genetic influence on sympathetic nervous activity and cellular sodium/potassium regulation in borderline and mild hypertension. Nielsen JR, et al. **Acta Med Scand [Suppl]** 1983;686:41-8

Sympathetic hyperfunction syndrome. Ionescu V, et al. **Physiologie** 1983 Apr-Jun;20(2):125-31

[Paravertebral ganglioneuroma in an adult. Discovery during a spinal attack revealing multiple sclerosis] Bouchez B, et al. **Acta Neurol Belg** 1984 May-Jul;84(3):105-11 (Eng. Abstr.) **(Fre)**

[Prognostic factors in neuroblastoma in children] Blinov VM, et al. **Vopr Onkol** 1984;30(5):21-31 (Eng. Abstr.) **(Rus)**

ANALYSIS

Catecholamines in the sympathetic nervous system of the domestic fowl. Rome A, et al. **J Auton Nerv Syst** 1983 Aug;8(4):331-42

A vasopressin-like peptide in the mammalian sympathetic nervous system. Hanley MR, et al. **Nature** 1984 May 17-23; 309(5965):258-61

Evidence for common pharmacological properties of [3H]5-hydroxytryptamine binding sites, presynaptic 5-hydroxytryptamine autoreceptors in CNS and inhibitory presynaptic 5-hydroxytryptamine receptors on sympathetic nerves. Engel G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):116-24

Intracellular electrolyte concentrations in rat sympathetic neurones measured with an electron microprobe. Galvan M, et al. **Pflugers Arch** 1984 Mar;400(3):274-9

ANATOMY & HISTOLOGY

Fluorescence microscopic study of the architecture and structure of an adrenergic network in the plexus myentericus (Auerbach), plexus submucosus externus (Schabadasch) and plexus submucosus internus (Meissner) of the porcine small intestine. Scheuermann DW, et al. **Acta Anat (Basel)** 1984;119(1):49-59

Autonomic mechanisms in the ductus venosus of the lamb. Coceani F, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H17-24

Fluorescence microscopic morphometry of functioning blood vessels and adrenergic nerves in myocardium. Muntz KH, et al. **Anat Rec** 1984 Jan;208(1):65-8

A sympathetic projection from sacral paravertebral ganglia to the pelvic nerve and to postganglionic nerves on the surface of the urinary bladder and large intestine of the cat. Kuo DC, et al. **J Comp Neurol** 1984 Jun 10; 226(1):76-86

[Detection of the origin of the afferent sympathetic nerve fibers of the rat ventricular wall using the horseradish peroxidase method] Li GQ, et al. **Acta Acad Med Wuhan** 1983;3(3):152 **(Ger)**

BLOOD SUPPLY

[Effect of acute hemorrhaging in rabbits on blood circulation in the eye and various other tissues. The role of the sympathetic nerves] Bill A. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):305-7 (Eng. Abstr.) **(Ger)**

CYTOLOGY

The heparin-binding domain of laminin is responsible for its effects on neurite outgrowth and neuronal survival. Edgar D, et al. **EMBO J** 1984 Jul;3(7):1463-8

Unmyelinated axon ratios in cat motor, cutaneous and articular nerves. Langford LA. **Neurosci Lett** 1983 Sep 19; 40(1):19-22

Localisation and measurement of VIP in the genitourinary system of man and animals. Polak JM, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):225-30

DRUG EFFECTS

Adrenergic beta-receptorblockade: haemodynamic relevance of beta-1-selectivity and ISA during adrenaline infusion. Maltbaek N, et al. **Acta Med Scand [Suppl]** 1983;677:21-5

Chlorhexidine-induced degeneration of adrenergic nerves. Henschen A, et al. **Acta Neuropathol (Berl)** 1984; 63(1):18-23

Sympatho-adrenal mechanisms and the antihypertensive response to thiazide diuretics. Hjemdahl P. **Acta Pharmacol Toxicol (Copenh)** 1984;54 Suppl 1:43-6

On the mode of action of the sympathetic fibres on intestinal fluid transport: evidence for the existence of a glucose-stimulated secretory nervous pathway in the intestinal wall. Sjövall H, et al. **Acta Physiol Scand** 1983 Sep;119(1):39-48

Neonatal treatment with 6-OH dopamine and the elimination of polyneuronal innervation of skeletal muscle in the rat. Taxt T, et al. **Acta Physiol Scand** 1983 Nov;119(3):293-7

Effects of chronic ethanol feeding on sympathetic innervated organs: temporal sequence of biochemical, functional, and trophic changes. Rubio MC, et al. **Alcoholism (NY)** 1984 Jan-Feb;8(1):37-41

Prazosin as initial antihypertensive therapy: correlates of sympathetic function. Guthrie GP Jr, et al. **Am J Cardiol** 1984 Jan 27;53(3):29A-31A

Lack of a direct alpha-adrenergic effect of epinephrine on glucose production in human subjects. Best JD, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E271-6

Changes in renal and central noradrenergic activity with potassium in DOCA-salt rats. Fujita T, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F670-5

Sympathetic efferent nerve activity in conscious and isoflurane-anesthetized dogs. Seagard JL, et al. **Anesthesiology** 1984 Sep;61(3):266-70

Modification of sympathetic nerve stimulation frequency-response relationship in rabbit ileum by guanethidine, bretylium and tetracaine. Kihara M, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):180-5

The role of the sympathetic nervous system in the cardiovascular effects of systemically administered gamma-aminobutyric acid. Vemulapalli S, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):46-58

Local dental anesthesia with epinephrine. Minimal effects on the sympathetic nervous system or on hemodynamic variables. Chernow B, et al. **Arch Intern Med** 1983 Nov; 143(11):2141-3

Adrenergic and antiadrenergic activity of cycloheximide in cultured rat heart cells. Wollenberger A, et al. **Biomed Biochim Acta** 1983;42(7-8):917-29

The effect of posture on the sympathoadrenal response to theophylline infusion. Warren JB, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):405-11

Effect of the 5-hydroxytryptamine type 2 receptor antagonist, ketanserin, on blood pressure, the renin-angiotensin system and sympatho-adrenal function in patients with essential hypertension. Zabludowski JR, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):309-16

The effect of a 5-HT antagonist, ketanserin, on blood pressure, the renin-angiotensin system and sympathoadrenal function in normal man. Zoccali C, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):305-11

Role of auto-inhibitory feed-back in cardiac sympathetic transmission assessed by simultaneous measurements of changes in 3H-efflux and atrial rate in guinea-pig atrium. Angus JA, et al. **Br J Pharmacol** 1984 Jan;81(1):201-14

Differences between the prejunctional effects of phenylephrine and clonidine in guinea-pig isolated atria. Ledda F, et al. **Br J Pharmacol** 1984 Mar;81(3):491-7

Adrenergic transmission in the dog mesenteric vein and its modulation by alpha-adrenoceptor antagonists. Suzuki H. **Br J Pharmacol** 1984 Mar;81(3):479-89

Thyrotropin-releasing hormone (TRH) improves survival in anaphylactic shock: a central effect mediated by the sympatho-adrenomedullary beta-adrenoceptive system.

Amir S, et al. **Brain Res** 1984 Apr 30;298(2):219–24

Antianaphylactic effect of naloxone in mice is mediated by increased central sympathetic outflow to sympathetic nerve endings and adrenal medulla. Amir S. **Brain Res** 1983 Sep 5;274(1):180–3

Inhibition of nerve fiber regeneration in cultured sympathetic neurons by local, high potassium. Campenot RB. **Brain Res** 1984 Feb 13;293(1):159–63

Serotonergic excitation of sympathetic preganglionic neurons: a microiontophoretic study. McCall RB. **Brain Res** 1983 Dec 19;289(1–2):121–7

A late slow depolarization unmasked in the presence of tetraethylammonium in neonatal rat sympathetic neurons in vitro. Suppes T. **Brain Res** 1984 Feb 20;293(2):269–78

Effect of substance P and thyrotropin-releasing hormone on sympathetic preganglionic neurones in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):248–51

A comparative study of the acute effects of cetamolol (AI-27,303), atenolol, propranolol, and dexpropranolol on blood pressure, sympathetic nerve and ganglion activity of cats. Jaramillo J. **Can J Physiol Pharmacol** 1983 Jul; 61(7):693–8

Noradrenergic modulation of neuronal transmission in the offspring of amphetamine-treated rats. Ramírez OA, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):766–9

Does lithium balance the neuronal bilateral asymmetries in cluster headache? Fanciullacci M, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:85–7

Chronic cerebroventricular infusion of hypertonic sodium chloride in rats reduces hypothalamic sympatho-inhibition and elevates blood pressure. Miyajima E, et al. **Circ Res** 1984 May;54(5):566–75

Presynaptic inhibition by serotonin of cardiac sympathetic transmission in dogs. Kimura T, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):535–42

Acute effect of labetalol on blood pressure in relation to the sympathetic nervous system and plasma renin activity. Vlachakis ND, et al. **Clin Pharmacol Ther** 1984 Jun; 35(6):782–7

A reserpine-like action of verapamil on cardiac sympathetic nerves. Chaudhry A, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):156–8

Failure of 5-methoxytryptamine to evoke the Bezold-Jarisch effect supports homology of excitatory 5-HT receptors on vagal afferents and postganglionic sympathetic neurones. Fozard JR. **Eur J Pharmacol** 1983 Nov 25;95(3–4):331–2

Inhibition by sulfur-containing amino acids and GABA of sympathetic neurotransmission in guinea-pig vas deferens. Morishita H, et al. **Eur J Pharmacol** 1983 Nov 11; 95(1–2):13–9

No evidence for the involvement of histamine (H1 or H2) receptors in the hypotension and presynaptic inhibition of sympathetic nerve function caused by LY-141865 in dogs. Sabouni M, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):145–9

Potentiation by quipazine of adrenergic transmission in mesenteric arteries of spontaneously hypertensive rats. Uruno T, et al. **Eur J Pharmacol** 1984 May 18; 101(1–2):69–74

Sympathetic nerve and hormonal responses to a single dose of nifedipine in patients with essential hypertension and normal subjects: comparison among renin-subgroups. Oemar H, et al. **Hiroshima J Med Sci** 1983 Jun;32(2):187–97

Islet-activating protein (IAP)-induced adrenergic modulation of pancreatic A and B cell in dogs. Nakamura N, et al. **Horm Metab Res** 1984 Mar;16(3):128–31

The effects of pentolinium on sympathetic activity in hypertensives and normotensive controls. Murphy MB, et al. **Int J Clin Pharmacol Res** 1983;3(4):227–32

Alpha-adrenoceptors and facilitation at a sympathetic neuroeffector junction. Blakeley AG, et al. **J Auton Pharmacol** 1984 Mar;4(1):53–8

Modulation of sympathetic vasoconstriction by potassium. Dietz R, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S230–5

Na+,K+-ATPase inhibitors and the adrenergic neuroeffector interaction in the blood vessel wall. Vanhoutte PM, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S88–94 (45 ref.)

Effects of different dopaminergic antagonists on bromocriptine-induced inhibition of norepinephrine release. Mannelli M, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):74–8

Effects of chronic beta-receptor stimulation on sympathetic nervous system activity, energy expenditure, and thyroid hormones. Scheidegger K, et al. **J Clin Endocrinol Metab** 1984 May;58(5):895–903

The effects of adrenergic blockade on fetal response to hypoxia. Jones CT, et al. **J Dev Physiol** 1983 Aug; 5(4):211–22

Possible involvement of amine oxidase inhibition in the sympathetic activation induced by khat (Catha edulis) chewing in humans. Nencini P, et al. **J Ethnopharmacol** 1984 Jun;11(1):79–86

Neonatal 6-hydroxydopamine treatment eliminates cholinergic sympathetic innervation and induces sensory sprouting in rat sweat glands. Yodlowski ML, et al. **J Neurosci** 1984 Jun;4(6):1535–48

Mechanism of the indirect adrenergic effect of histamine in cat cerebral arteries. Balfagón G, et al. **J Pharm Pharmacol** 1984 Apr;36(4):248–52

Indirect adrenergic effect of histamine in human cerebral arteries: influence of post-mortem period. Marco EJ, et al. **J Pharm Pharmacol** 1984 Apr;36(4):253–5

Inhibition of sympathetic neurotransmission in the rat anococcygeus muscle by diazepam. Oriowo MA. **J Pharm Pharmacol** 1983 Aug;35(8):511–5

Paradoxical elevation of sympathetic activity during catecholamine infusion in rats. Johnson MD, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):254–9

Selective activation by LY-141865 and apomorphine of presynaptic dopamine receptors in the rat kidney and influence of stimulation parameters in the action of dopamine. Lokhandwala MF, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):161–7

Evidence for an alpha-1 receptor-mediated central sympathoinhibitory action of ketanserin. McCall RB, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):704–10

Centrally induced vasopressor and sympathetic nerve responses to carbachol in rats. Inoue A, et al. **Jpn Circ J** 1984 Feb;48(2):144–9

Suppression of renal sympathetic activity with potassium supplement in DOCA-salt rats. Sato Y, et al. **Jpn Heart J** 1984 Mar;25(2):253–61

An inhibitory effect of ethanol on adrenergic neuromuscular transmission in the guinea-pig vas deferens. Takeda R, et al. **Jpn J Pharmacol** 1983 Aug;33(4):757–64

Alloxan and 6-hydroxydopamine: cellular toxins. Cohen G, et al. **Methods Enzymol** 1984;105:510–6

Sodium, adrenergic activity and blood pressure. De Leeuw PW, et al. **Neth J Med** 1983;26(9):283–7

Inability to deactivate the sympathetic nervous system in patients with brainstem infarction; correction of the disorder by centrophenoxine administration. Stoica E, et al. **Neurol Psychiatr (Bucur)** 1983 Oct–Dec;21(4):425–39

Effects of substance P on sympathetic preganglionic neurones. Gilbey MP, et al. **Neurosci Lett** 1983 Oct 31; 41(1–2):157–9

Depressive effect of morphine on the sympathetic reflex elicited by stimulation of unmyelinated hindlimb afferent nerve fibers in anesthetized cats. Ito K, et al. **Neurosci Lett** 1983 Aug 29;39(2):169–73

Baclofen inhibits sympathetic preganglionic neurons in an isolated spinal cord preparation. McKenna KE, et al. **Neurosci Lett** 1984 Jun 1;47(1):85–8

Interchangeability of nerve growth factor and high potassium in the long-term survival of chick sympathetic neurons in serum-free culture medium. Wakade AR, et al. **Neurosci Lett** 1984 Mar 9;45(1):71–4

Tolerance develops to sympathetic effects of khat in humans. Nencini P, et al. **Pharmacology** 1984;28(3):150–4

Complex action of antidepressant treatment on central adrenergic system: possible relevance to clinical effects. Vetulani J. **Pharmacopsychiatry** 1984 Jan;17(1):16–21

Studies on brain noradrenergic neurons in animal model for antidepressive activity. Kostowski W, et al. **Psychopharmacol Bull** 1984 Spring;20(2):320–2

Prostaglandin B1 can modify the pressor responses to sympathetic nerve stimulation. Himori N, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):397–405

The role of the sympathetic nervous system in atropine-induced tachycardia in conscious cats. Samonina GE, et al. **Scand J Clin Lab Invest** 1983 Sep;43(5):389–92

Species differences in pharmacodynamics: some examples. Aitken MM. **Vet Res Commun** 1983 Dec;7(1–4):313–24 (47 ref.)

[Effects of bromazepam on responses of mucosal blood flow of the gastrointestinal tract and the gastric motility to stimulation of the amygdala and hypothalamus in conscious cats] Yajima T, et al. **Nippon Yakurigaku Zasshi** 1984 Mar; 83(3):237–48 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on anthracene derivative – compound A12] Modzelewski J, et al. **Acta Pol Pharm** 1983;40(2):235–43 (Eng. Abstr.) **(Pol)**

[Effect of plasmin on the efferent sympathetic activity in rats and rabbits] Golubeva MG, et al. **Biol Nauki** 1983;(12):55–8 (Eng. Abstr.) **(Rus)**

[Effect of 2-ethyl-6-methyl-3-oxypyridine on the sympathetic-adrenal system of tumor carriers] Strigun LM, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1266–8 **(Rus)**

EMBRYOLOGY

Sympathetic innervation of fetal mouse thymus. Singh U. **Eur J Immunol** 1984 Aug;14(8):757–9

Amniotic fluid norepinephrine concentration as an indicator of fetal sympathetic nervous activity. Effect of pregnancy complications. Puolakka J, et al. **Gynecol Obstet Invest** 1984;17(5):265–9

[Morphological investigation of the lumbar sympathetic nerve trunks and ganglia of the human fetus] Sakoda T. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):681–92 (Eng. Abstr.) **(Jpn)**

[Thoracic vertebral nerve] Denisov SD. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):60–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Changes in tyrosine hydroxylase and dopamine-beta-hydroxylase activities but not in phenylethanolamine-N-methyltransferase activity within central adrenaline neurons after 6-hydroxydopamine administration. Fety R, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1887–91

Expression of phenylethanolamine N-methyltransferase in sympathetic neurons and extraadrenal chromaffin tissue of chick embryos in vivo and in vitro. Teitelman G, et al. **Brain Res** 1984 Apr;315(2):283–91

Regulation of enzymes responsible for neurotransmitter synthesis and degradation in cultured rat sympathetic neurons. II. Regulation of 16 S acetylcholinesterase by conditioned medium. Swerts JP, et al. **Dev Biol** 1984 May; 103(1):230–4

GROWTH & DEVELOPMENT

Development of interscapular brown adipose tissue in the hamster. II – Differentiation of transplants in the anterior chamber of the eye: role of the sympathetic innervation. Nechad M, et al. **Biol Cell** 1983;48(2–3):167–74

Obligatory role of thyroid hormones in development of peripheral sympathetic and central nervous system catecholaminergic neurons: effects of propylthiouracil-induced hypothyroidism on transmitter levels, turnover and release. Slotkin TA, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):53–61

The cardiac-sympathetic axis as a teratological model. Slotkin TA. **Prog Clin Biol Res** 1983;140:237–55 (26 ref.)

[Axons of sympathetic neurocytes and their relation to lemmocytes during postnatal ontogeny in the rat] Khrushchova ON, et al. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):41–5 (17 ref.) (Eng. Abstr.) **(Rus)**

INJURIES

Polyamine biosynthesis is required for survival of sympathetic neurons after axonal injury. Gilad GM, et al. **Brain Res** 1983 Aug 22;273(1):191–4

Iatrogenic Horner's syndrome secondary to chest tube thoracostomy. Fleishman JA, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):205–10

METABOLISM

Catecholamines and sympathetic nervous activity in the elderly. Christensen NJ. **Acta Med Scand [Suppl]** 1983; 676:52–63

Increased peripheral catecholamine release in patients with long-standing, untreated essential hypertension. Kjeldsen SE, et al. **Acta Med Scand [Suppl]** 1983;677:17–20

The human sympathochromaffin system. Shah SD, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E380–4

Orthograde and retrograde axonal transport of calmodulin in a cat noradrenergic neurone. Ceña V, et al. **Br J Pharmacol** 1984 May;82(1):143–9

Post-translational modification of tubulin in cultured neurons. Black MM, et al. **Brain Res** 1983 Dec 19; 289(1–2):355–7

Sodium channels in the axolemma of unmyelinated axons: a new estimate. Pellegrino RG, et al. **Brain Res** 1984 Jul 9;305(2):357–60

Influence of variation in dietary sodium intake on biochemical indices of sympathetic activity in normal man. Watson RD, et al. **Clin Exp Pharmacol Physiol** 1984 Mar-Apr;11(2):163–70

Neurohumoral mechanisms in heart failure: role in pathogenesis, therapy, and drug tolerance. Dzau VJ, et al. **Fed Proc** 1983 Dec;42(15):3162–9

The sympathetic nervous system and renal sodium handling: is dopamine involved? Imbs JL, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S171–5 (33 ref.)

A light and electron microscopic immunohistochemical study of vasoactive intestinal polypeptide- and substance P-containing nerve fibers along the cerebral blood vessels: comparison with aminergic and cholinergic nerve fibers. Itakura T, et al. **J Cereb Blood Flow Metab** 1984 Sep; 4(3):407–14

Demonstration of retrogradely transported endogenous nerve growth factor in axons of sympathetic neurons. Palmatier MA, et al. **J Neurosci** 1984 Mar;4(3):751–6

Stereoselectivity of S- and R-sulpiride for pre- and postsynaptic dopamine receptors in the canine kidney. Bass AS, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):67–71

Characterization of postjunctional alpha-1 and alpha-2 adrenoceptors activated by exogenous or nerve-released norepinephrine in the canine saphenous vein. Flavahan NA, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):699–705

Neuropeptide Y-immunoreactive nerves in the uvea of guinea pig and rat. Terenghi G, et al. **Neurosci Lett** 1983 Nov 21;42(1):33–8

Mechanism of sympathetic activation during prolonged physical exercise in dogs. The role of hepatic glucoreceptors. Kozlowski S, et al. **Pflugers Arch** 1983 Sep; 399(1):63–7

PATHOLOGY

Cardiac adrenergic innervation after instrumentation of the coronary artery in dog. Doležel S, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H459–65

Identification of dystrophic sympathetic axons in experimental diabetic autonomic neuropathy. Clark HB, et al. **Brain Res** 1984 Feb 20;293(2):390–5

PHYSIOLOGY

Mechanism of rectal contraction mediated by sympathetic

efferents from rectoanal pelvic afferents in guinea pigs. Neya T, et al. **Acta Med Okayama** 1984 Feb;38(1):21–7

Adrenergic control of metabolic functions. Proceedings of a symposium in Billingehus, Skövde, Sweden, 1982. **Acta Med Scand [Suppl]** 1983;672:1–126

Neurotrophic effects on the vascular bed. Folkow B. **Acta Med Scand [Suppl]** 1983;672:95–9

Adrenergic regulation of renin release and effects on angiotensin and aldosterone. Karlberg BE. **Acta Med Scand [Suppl]** 1983;672:33–40 (60 ref.)

Thyroid hormones and the adrenergic nervous system. Nilsson OR, et al. **Acta Med Scand [Suppl]** 1983;672:27–32 (54 ref.)

Causes and consequences of maternal and fetal sympathoadrenal activation during parturition. Irestedt L, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:111–5

Effects of sympathetic nerve activity on acute mobility of the rabbit incisor tooth. Aars H. **Acta Odontol Scand** 1983 Oct;41(5):287–92

Comparative vascular effects of stimulation continuously and in bursts of the sympathetic nerves to cat skeletal muscle. Andersson PO. **Acta Physiol Scand** 1983 Aug;118(4):343–8

Effect of sympathetic nerve stimulation and adrenoceptor blockade on pial arterial and venous calibre and on intracranial pressure in the cat. Auer LM, et al. **Acta Physiol Scand** 1983 Nov;119(3):213–7

Sympathetico-adrenergic influences on the small intestinal vascular reactions in experimental septic shock. Falk A, et al. **Acta Physiol Scand** 1983 Dec;119(4):373–9

Effect of renal nerve stimulation on the activity of the tubuloglomerular feedback mechanism. Hermansson K, et al. **Acta Physiol Scand** 1984 Mar;120(3):381–5

Renal sympathetic activity in spontaneously hypertensive rats and normotensive controls, as studied by three different methods. Lundin S, et al. **Acta Physiol Scand** 1984 Feb;120(2):265–72

Interaction between 'mental stress' and baroreceptor reflexes concerning effects on heart rate, mean arterial pressure and renal sympathetic activity in conscious spontaneously hypertensive rats. Lundin S, et al. **Acta Physiol Scand** 1984 Feb;120(2):273–81

Influence of adenosine on the vascular responses to sympathetic nerve stimulation in the canine subcutaneous adipose tissue. Sollevi A, et al. **Acta Physiol Scand** 1983 Sep;119(1):15–24

Plasma catecholamines as markers for sympatho-adrenal activity in man. **Acta Physiol Scand [Suppl]** 1984;527:1–54

Plasma catecholamines as markers for sympatho-adrenal activity in man. Introductory remarks. Folkow B. **Acta Physiol Scand [Suppl]** 1984;527:7–9

Influence of the sympatho-adrenal system on some metabolic and hormonal responses to exercise in the rat with special reference to the effect on glycogenolysis in skeletal muscle. Richter EA. **Acta Physiol Scand [Suppl]** 1984;528:1–42

Muscle sympathetic activity and plasma concentrations of noradrenaline. Wallin BG. **Acta Physiol Scand [Suppl]** 1984; 527:21–4

The role of the sympathetic nervous system and catecholamines in the regulation of energy metabolism. Landsberg L, et al. **Am J Clin Nutr** 1983 Dec;38(6):1018–24 (61 ref.)

Differential control of sympathetic nerve discharge by the brain stem. Barman SM, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R513–9

Sympathetic stimulation and intestinal capillary fluid exchange. Granger DN, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):G279–83

Angiotensin II attenuates baroreflex control of heart rate and sympathetic activity. Guo GB, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H80–9

Attenuation by prostaglandins of adrenergically induced renal vasoconstriction in anesthetized rats. Inokuchi K, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):R228–35

Interaction between neural and nonneural mechanisms controlling renin secretion rate. Kopp UC, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F620–6

Sympathoadrenal system and regulation of thermogenesis. Landsberg L, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E181–9 (99 ref.)

Reflex regional vascular responses during passive gastric distension in cats. Longhurst JC, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R257–65

Raphe neurons with sympathetic-related activity: barore.eptor responses and spinal connections. Morrison SF, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R338–48

Central actions of angiotensin II oppose baroreceptor-induced sympathoinhibition. Stein RD, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R13–9

Centrally induced cardiovascular and sympathetic responses to hydrocortisone in rats. Takahashi H, et al. **Am J Physiol** 1983 Dec;245(6):H1013–8

Occlusive summation of carotid and aortic baroreflexes in control of renal nerve activity. Thames MD, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H851–7

Responses of SHR to combinations of chemical sympathectomy, adrenal demedullation, and training. Tipton CM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H109–18

Sodium depletion induces adrenergic potentiation at prejunctional site. Wong PC, et al. **Am J Physiol** 1983 Oct; 245(4):H662–6

Extrinsic innervation of the canine superior vena cava, pulmonary, portal and renal veins. Uematsu T, et al. **Angiology** 1984 Aug;35(8):486–93

Vein to artery grafts. An experimental study of reinnervation of the graft wall. Meagher S, et al. **Ann Surg** 1984 Aug; 200(2):153–8

Autonomic regulation of the airways. Nadel JA, et al. **Annu Rev Med** 1984;35:451–67 (116 ref.)

Evidence for the requirement of sympathetic activity in the PGE1-induced lacrimal secretion in rabbits. Pholpramool C, et al. **Arch Int Pharmacodyn Ther** 1983 Sep; 265(1):128–37

Effects of sympathetic nerve activity on changes in the position of the rabbit incisor tooth evoked by acute alterations in arterial blood pressure. Aars H. **Arch Oral Biol** 1983;28(6):497–500

How can we measure sympathetic nervous system 'tone' in patients? [editorial] Esler M. **Aust NZ J Med** 1984 Feb; 14(1):4–5

Strain differences in sympathetic-adrenal medullary responsiveness and behavior. McCarty R, et al. **Behav Neural Biol** 1984 Jan;40(1):98–113

Effects of interscapular brown adipose tissue denervation on body weight and energy metabolism in ovariectomized and estradiol-treated rats. Bartness TJ, et al. **Behav Neurosci** 1984 Aug;98(4):674–85

Physiology of the sympathetic nerve ending. Lauger SZ, et al. **Br J Anaesth** 1984 Jul;56(7):689–700 (120 ref.)

Separation of adrenergic and non-adrenergic contractions to field stimulation in the rat vas deferens. Brown DA, et al. **Br J Pharmacol** 1983 Jun;79(2):379–93

Indirect evidence that purinergic modulation of perivascular adrenergic neurotransmission in the portal vein is a physiological process. Burnstock G, et al. **Br J Pharmacol** 1984 Jun;82(2):359–68

Sensory receptors and their afferents in the caudal sympathetic nerve of the domestic duck. Koley J, et al. **Br Poult Sci** 1984 Apr;25(2):173–86

Cardiovascular afferent inputs to neurons in the ventrolateral medulla projecting directly to the central autonomic area of the thoracic cord in the cat. Caverson MM, et al. **Brain Res** 1983 Sep 12;274(2):354–8

Regulation of locus coeruleus neurons and splanchnic, sympathetic nerves by cardiovascular afferents. Elam M, et al. **Brain Res** 1984 Jan 9;290(2):281–7

Evidence that vasomotor neurons in the rostral ventrolateral medulla project to the spinal sympathetic outflow via the dorsomedial pressor area. Farlow DM, et al. **Brain Res** 1984 Apr 30;298(2):313–20

Efferent discharges of sympathetic and parasympathetic nerve fibers during increased intracranial pressure in anesthetized cats in the absence and presence of pressor response. Matsuura S, et al. **Brain Res** 1984 Jul 9; 305(2):291–301

Excitatory effects on renal sympathetic nerve activity induced by stimulation at two distinctive sites in the fastigial nucleus of rabbits. Nisimaru N, et al. **Brain Res** 1984 Jun 25;304(2):372–6

Interaction of histamine with noradrenergic constrictory mechanisms in cat cerebral arteries and veins. Gross PM, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):756–63

Evidence that transmitter release in sympathetic nerves is not set by feedback via presynaptic receptors. Kalsner S. **Can J Physiol Pharmacol** 1983 Oct;61(10):1197–201

Heart rate as a determinant of the decay rate of the cardiac inotropic response to sympathetic nervous activity. Masuda Y, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1374–81

Parasympathetic and sympathetic efferent traffic during a cardiogenic hypertensive chemoreflex. Hageman GR, et al. **Cardiovasc Res** 1984 Sep;18(9):583–90

Autonomic nervous control of heart rate: sympathetic–parasympathetic interactions and age related differences. Mace SE, et al. **Cardiovasc Res** 1983 Sep; 17(9):547–52

Role of PGE2 in the modulation of the adrenergic response in man. Neri Serneri GG, et al. **Cardiovasc Res** 1983 Nov; 17(11):662–70

Ca-activated potassium current in vertebrate sympathetic neurons. Brown DA, et al. **Cell Calcium** 1983 Dec; 4(5–6):407–20 (40 ref.)

Ovarian sympathectomy in the guinea pig. II. Effects on follicular development during the prepubertal period and following exogenous gonadotropin stimulation. Curry TE Jr, et al. **Cell Tissue Res** 1984;236(3):593–6

Vagal afferent inhibition of spinothalamic cell responses to sympathetic afferents and bradykinin in the monkey. Ammons WS, et al. **Circ Res** 1983 Nov;53(5):603–12

The effect of warming on adrenergic neurotransmission in canine cutaneous vein. Cooke JP, et al. **Circ Res** 1984 May; 54(5):547–53

Antihypertensive effect of the GABA receptor agonist muscimol in spontaneously hypertensive rats. Role of the sympathoadrenal axis. Unger T, et al. **Circ Res** 1984 Jan; 54(1):30–7

The phase-dependency of the cardiac chronotropic responses to vagal stimulation as a factor in sympathetic–vagal interactions. Yang T, et al. **Circ Res** 1984 Jun;54(6):703–10

Role of autoinhibitory feedback in cardiac sympathetic transmission. Angus JA, et al. **Clin Exp Hypertens [A]** 1984; 6(1–2):371–85

Role of adrenaline neurons of ventrolateral medulla (the C1 group) in the tonic and phasic control of arterial pressure. Reis DJ, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):221–41 (50 ref.)

Diminished sympathetic responsiveness in nephrectomized rats–role of the renin angiotensin system. Vollmer RR, et al. **Clin Exp Hypertens [A]** 1984;6(5):993–1009

The sympatho–adrenal system and vasopressin in cardiovascular responses to A1 lesions. West MJ, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):157–70

Attenuation by captopril of pressor responses to peripheral sympathetic nerve stimulation in rats is abolished after bilateral nephrectomy and during mineralocorticoid hypertension. Boura AL, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):283–7

Adrenergic factors involved in the control of crypt cell proliferation in jejunum and descending colon of mouse. Kennedy MF, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):577–86

Relative contributions of vagal and cardiac sympathetic nerves to the reflex bradycardia induced by a pressor stimulus in the conscious rabbit: comparison of 'steady state' and 'ramp' methods. Weinstock M, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr;11(2):133–41

The immediate pressor response to saralasin in man: evidence against sympathetic activation and for intrinsic angiotensin II–like myotropism. Mathias CJ, et al. **Clin Sci** 1984 May; 66(5):517–24

The adrenergic contribution to glucose counterregulation in type I diabetes mellitus. Dependency on A-cell function and mediation through beta 2-adrenergic receptors. De Feo P, et al. **Diabetes** 1983 Oct;32(10):887–93

Evaluation of sympathoadrenal activity, adrenocortical function and androgenic status in five men during a Himalayan mountaineering expedition (ascent of Mt Pabil, 7,102 m, 23,294 ft). Guilland JC, et al. **Eur J Applied Physiol** 1984;52(2):156–62

Plasma catecholamines, beta-adrenergic receptors, and isoproterenol sensitivity in endurance trained and non-endurance trained volunteers. Lehmann M, et al. **Eur J Applied Physiol** 1984;52(4):362–9

A physiological and pharmacological analysis of the electrodermal response in the rat. Girardot MN, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):185–91

Anaesthesia: the role of adrenergic mechanisms. Mason ST, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):29–39

Evidence that ATP acts as a co-transmitter with noradrenaline in sympathetic nerves supplying the guinea-pig vas deferens. Meldrum LA, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):161–3

Effect of epinephrine on norepinephrine release from rat kidney during sympathetic nerve stimulation. Steenberg ML, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):137–48

Sympathetic control of nasal erectile tissue. Eccles R. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):150–4

Absence of sympathetic sprouting in the rat olfactory bulb after cholinergic denervation. Gibby WA, et al. **Exp Neurol** 1984 May;84(2):386–95

Sympathetic sprouting and recovery of a spatial behavior. Harrell LE, et al. **Exp Neurol** 1983 Nov;82(2):379–90

Regulation of oxygen consumption and microcirculation by alpha-sympathetic nerves in isolated perfused rat liver. Ji S, et al. **FEBS Lett** 1984 Feb 13;167(1):117–22

Limitations of presynaptic theory: no support for feedback control of autonomic effectors. Kalsner S. **Fed Proc** 1984 Apr;43(5):1358–64 (25 ref.)

Support for a role for feedback regulation of norepinephrine release. Kirpekar SM. **Fed Proc** 1984 Apr;43(5):1375–8 (20 ref.)

Cardiac sympathetic–parasympathetic interactions. Levy MN. **Fed Proc** 1984 Aug;43(11):2598–602

The influence of the sympathetic system on mechanoreception and nociception. A review. Wiesenfeld-Hallin Z, et al. **Hum Neurobiol** 1984;3(1):41–6

Dependence of structure of the cardiac rhythm on physical working capacity of athletes. Kepezhenas AK, et al. **Hum Physiol** 1983 Sep–Oct;9(5):306–15

Lesions of epinephrine neurons in the rostral ventrolateral medulla abolish the vasodepressor components of baroreflex and cardiopulmonary reflex. Granata AR, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V80–4

Salt sensitivity in humans is linked to enhanced sympathetic responsiveness and to enhanced proximal tubular reabsorption. Skrabal F, et al. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):152–8

Evaluation of plasma catecholamines in humans. Correlation of resting levels with cardiac responses to beta-blocking and sympatholytic drugs. Thomas J, et al. **Hypertension** 1983 Nov–Dec;5(6):858–63

Cardiovascular counterregulation during sympathetic inhibition in normal subjects and patients with mild hypertension. Weidmann P, et al. **Hypertension** 1983 Nov–Dec;5(6):873–80

Impairment of vas sympathetic nervous system & contractility following vasectomy in rat. Kanwar KC, et al. **Indian J Exp Biol** 1983 Nov;21(11):585–6

The use of ultrastructural and histochemical techniques to correlate sympathetic activity with blood flow through cutaneous arteriovenous anastomoses in conscious sheep. Molyneux GS, et al. **Int J Microcirc Clin Exp** 1982; 1(1):41–53

Sympathetic nervous system and exercise tolerance response in normotensive and hypertensive adolescents. Klein AA, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):381–6

Lack of peripheral sympathetic control of uterine blood flow

during acute heat stress. Brown DE, et al. **J Anim Sci** 1984 Jul;59(1):182–8

Cholinergic and nonadrenergic mechanisms in human and guinea pig airways. Taylor SM, et al. **J Appl Physiol** 1984 Apr;56(4):958–65

Influence of atrial mechanoreceptors upon the sympathetic efferent activity elicited during a cardiogenic chemoreflex in the dog. Hageman GR, et al. **J Auton Nerv Syst** 1983 Dec;9(4):637–44

The effects of neuronal uptake blockade on the cardiac responses to sympathetic nerve stimulation and norepinephrine infusion in anesthetized dogs. Masuda Y, et al. **J Auton Nerv Syst** 1984 Mar;10(1):1–17

Physiological and pharmacological properties of the three subsystems constituting the aortic nerve–renal sympathetic reflex in rabbits. Numao Y, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):361–80

Calcium concentration of salivary glands and saliva after chemical or surgical sympathectomy. Schneyer CA, et al. **J Auton Nerv Syst** 1983 Jul;8(3):171–7

Pharmacological analysis of the responses of the feline urethra to autonomic nerve stimulation. Slack BE, et al. **J Auton Nerv Syst** 1983 Jun;8(2):141–60

Plasma catecholamine and cardiovascular responses following hypothalamic stimulation in the awake cat. Stoddard–Apter SL, et al. **J Auton Nerv Syst** 1983 Aug; 8(4):343–60

Responses of cardiac vagus and sympathetic nerves to excitation of somatic and visceral nerves. Terui N, et al. **J Auton Nerv Syst** 1984 Apr;10(2):73–91

Facilitation by beta–adrenoreceptors of stimulation–induced vasoconstriction in pithed spontaneously hypertensive rats. Borkowski KR, et al. **J Auton Pharmacol** 1984 Jun; 4(2):127–31

Attenuation by captopril of pressor responses to sympathetic stimuli: effects of procedures reducing activity of the renin–angiotensin system. Boura AL, et al. **J Auton Pharmacol** 1983 Sep;3(3):203–11

Adrenergic influences on the spinal cardiovascular neurones. Pant KK, et al. **J Auton Pharmacol** 1983 Dec;3(4):241–8

Effects of dietary sodium on sympathetic nervous system control of cardiovascular function. Vollmer RR. **J Auton Pharmacol** 1984 Jun;4(2):133–44 (122 ref.)

A Mr 70,000 phosphoprotein of sympathetic neurons regulated by nerve growth factor and by depolarization. Por SB, et al. **J Biol Chem** 1984 May 25;259(10):6526–33

Precapillary vessels: effects of the sympathetic nervous system and of catecholamines. Alabaster V, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S365–76 (53 ref.)

Nifedipine prevents sympathetic vasoconstriction distal to severe coronary stenoses. Heusch G, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):378–83

Effect of beta and alpha adrenergic blockade on glucose–induced thermogenesis in man. DeFronzo RA, et al. **J Clin Invest** 1984 Mar;73(3):633–9

The origin of postganglionic and sensory axons in the cervical sympathetic trunk of the cat: a horseradish peroxidase study. Wong WC, et al. **J Comp Neurol** 1984 Jan 10; 222(2):161–5

[3H]Xylamine accumulation by two sympathetically innervated tissues. Ransom RW, et al. **J Neurochem** 1984 Feb;42(2):475–81

Greater splanchnic excitation of primate T1–T5 spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1984 Mar;51(3):592–603

Free tyrosine levels of rat brain and tissues with sympathetic innervation following administration of L–tyrosine in the presence and absence of large neutral amino acids. Ablett RF, et al. **J Nutr** 1984 May;114(5):835–9

Adrenergic control of renin release. Holdaas H. **J Oslo City Hosp** 1983 Oct–Nov;33(10–11):111–27 (56 ref.)

Neurogenic cholinergic prejunctional inhibition of sympathetic beta adrenergic relaxation in the canine coronary artery. Cohen RA, et al. **J Pharmacol Exp Ther** 1984 May;229(2):417–21

Vasoconstrictor response induced by 5–hydroxytryptamine released from vascular adrenergic nerves by periarterial nerve stimulation. Kawasaki H, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):816–22

Nonadrenergic nature of prazosin–resistant, sympathetic contraction in the dog mesenteric artery. Muramatsu I, et al. **J Pharmacol Exp Ther** 1984 May;229(2):532–8

(Na+, K+)–adenosine triphosphatase regulation by the sympathetic nervous system: effects of noradrenergic stimulation and lesions in vivo. Swann AC. **J Pharmacol Exp Ther** 1984 Feb;228(2):304–11

Reduction in norepinephrine content of sympathetic neuroeffector organs by alpha adrenergic antagonists and nerve stimulation: evidence for presynaptic control of sympathetic transmitter release in intact animal. Wakade AR, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):287–92

Effects of the sympathetic nervous system on bethanechol–induced elevation of gastric acid secretion and mucosal blood flow in rats. Yokotani K, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):478–83

Facilitation at single release sites of a sympathetic neuroeffector junction in the mouse. Blakeley AG, et al. **J Physiol (Lond)** 1984 Apr;349:57–71

Effects of activation of sympathetic nerves on cerebral blood flow during hypercapnia in cats and rabbits. Busija DW, et al. **J Physiol (Lond)** 1984 Feb;347:35–45

Roles of extrajunctional receptors in the response of guinea–pig mesenteric and rat tail arteries to adrenergic nerves. Itoh T, et al. **J Physiol (Lond)** 1983 Dec;345:409–22

The effect of electroacupuncture on the function of sympatheto–adrenal medulla. Sun SM, et al. **J Tradit Chin Med** 1984 Mar;4(1):11–4

Urethral response during bladder contraction induced by subcutaneous bethanechol chloride: elicitation of a sympathetic reflex urethral constriction. Sogbein SK, et al. **J Urol** 1984 Apr;131(4):791–5

Retardation of the development of hypertension in DOCA–salt rats by renal denervation. Takahashi H, et al. **Jpn Circ J** 1984 Jun;48(6):567–74

Adrenergic regulation of estradiol uptake and cyclic GMP content in rat uterus. Kano T, et al. **Jpn J Pharmacol** 1983 Jun;33(3):525–9

Cholinergic inhibition of adrenergic transmission in the dog retractor penis muscle. Kinekawa F, et al. **Jpn J Pharmacol** 1984 Mar;34(3):343–52

Role of sympathetic nervous system in immobilization– and cold–induced brown adipose tissue thermogenesis in rats. Shibata H, et al. **Jpn J Physiol** 1984;34(1):103–11

Electrical components contributing to the nerve–mediated contractions in the smooth muscles of the rabbit ear artery. Suzuki H, et al. **Jpn J Physiol** 1983;33(5):743–56

Stimulation of lacrimal secretion by sympathetic nerve impulses in the rabbit. Tangkrisanavinont V. **Life Sci** 1984 Jun 11;34(24):2365–71

Adrenergic control of lacrimal secretion in rabbits. Tangkrisanavinont V. **Life Sci** 1984 Jun 11;34(24):2373–8

Sleep loss and the sympathoadrenal response to exercise. Martin BJ, et al. **Med Sci Sports Exerc** 1984;16(1):56–9

Adrenergic sensitivity of circular and longitudinal muscles of pregnant rat myometrium. Chernaeva L. **Methods Find Exp Clin Pharmacol** 1984 Feb;6(2):73–8

Adrenergic control of serum potassium [editorial] Epstein FH, et al. **N Engl J Med** 1983 Dec 8;309(23):1450–1

Chromogranin A [editorial] Landsberg L. **N Engl J Med** 1984 Sep 20;311(12):794–5

Stimulation of noradrenergic sympathetic outflow by calcitonin gene–related peptide. Fisher LA, et al. **Nature** 1983 Oct 6–12;305(5934):534–6

Release of prostacyclin from the human pulmonary vascular bed in response to cholinergic stimulation. Brandt R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):69–75

Role of beta 2–adrenoceptor blockade and circulating adrenaline level for the pressor responses to beta–adrenoceptor blocking drugs in rats. Himori N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):314–9

Estimation of intrasynaptic norepinephrine concentrations at vascular neuroeffector junctions in vivo. Kopin IJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):298–305

Inhibitory dopamine receptors on sympathetic neurons innervating the cardiovascular system of the pithed rat. Characterization and role in relation to presynaptic alpha 2–adrenoceptors. Wilffert B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(2):91–8

Spontaneous and induced variations in adrenergic activity. de Leeuw PW, et al. **Neth J Med** 1984;27(4):136–9

Evidence that central dopamine receptors modulate sympathetic neuronal activity to the adrenal medulla to alter glucoregulatory mechanisms. Arnerić SP, et al. **Neuropharmacology** 1984 Feb;23(2A):137–47

Evidence for two distinct sympathoinhibitory bulbo–spinal systems. Bernthal PJ, et al. **Neuropharmacology** 1984 Jan; 23(1):31–6

Possible role of alpha 1– and alpha 2–adrenoceptors in the modulation of the sympathetic component of the baroreflex. Huchet AM, et al. **Neuropharmacology** 1983 Nov;22(11):1243–8

The effect of propranolol and other antihypertensive drugs on preganglionic sympathetic activity in the cat. Ramage AG. **Neuropharmacology** 1984 Jan;23(1):43–8

Mechanism of Sechenov inhibition. Tonkikh AV. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):229–34

Is the modality of the supersensitivity after sympathectomy age and duration dependent? Carlsöö B, et al. **Neurosci Lett** 1984 Apr 6;45(3):279–83

Spinal and supraspinal reflex pathways of cardio–cardiac sympathetic reflexes. Coote JH. **Neurosci Lett** 1984 May 18;46(3):243–7

Types of afferents from the knee joint evoking sympathetic reflexes in cat inferior cardiac nerves. Sato Y, et al. **Neurosci Lett** 1983 Aug 19;39(1):71–5

Responses of adrenal sympathetic nerve activity and catecholamine secretion to cutaneous stimulation in anesthetized rats. Araki T, et al. **Neuroscience** 1984 May; 12(1):289–99

Frequency dependent intermittency and ionic basis of impulse conduction in postganglionic sympathetic fibres of guinea–pig vas deferens. Cunnane TC, et al. **Neuroscience** 1984 Jan;11(1):211–29

Enkephalins are associated with adrenergic granules in bovine adrenal medulla. Roisin MP, et al. **Neuroscience** 1983 Sep;10(1):83–8

Role and localization of a region in the pons which has a descending inhibitory influence on sympathetically mediated inhibition of the recto–rectal reflex of guinea pigs. Takaki M, et al. **Pflugers Arch** 1983 Jul;398(2):120–5

Effect of cholinergic and adrenergic stimulation of the subfornical organ on water intake. Menani JV, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):301–6

Potentiating effect of indomethacin on relaxations of sheep isolated coronary artery caused by sympathetic nerve stimulation or exogenous noradrenaline. Miller RC, et al. **Pharmacol Res Commun** 1984 Jan;16(1):31–9

Anaphylaxis–induced increase in plasma cyclic AMP dependent on endogenous catecholamines in rats. Okabe E, et al. **Pharmacology** 1983;27(3):160–8

Changes in sympathetic tone associated with different forms of transcutaneous electrical nerve stimulation in healthy subjects. Wong RA, et al. **Phys Ther** 1984 Apr;64(4):478–82

Meal patterns and glucoprivic feeding in the guanethidine–sympathectomized, adrenodemedullated rat. Tordoff MG, et al. **Physiol Behav** 1984 Feb;32(2):229–35

The relation between the structure and innervation of small arteries and arterioles and the smooth muscle membrane potential changes expected at different levels of sympathetic nerve activity. Neild TO. **Proc R Soc Lond [Biol]** 1983 Dec 22;220(1219):237–49

Nonalgebraic interaction between pressor and depressor reflexes in dogs: evidence for a central site of action. Lalley PM, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):384–91

The role of the central noradrenergic nervous system in the mediation of the ethanol intoxication and ethanol withdrawal syndrome. Major LF, et al. **Psychopharmacol Bull** 1984 Summer;20(3):487–93

Dysregulation of the noradrenergic system in depression. Siever LJ, et al. **Psychopharmacol Bull** 1984 Summer; 20(3):500–4

T–wave amplitude as an index of cardiac sympathetic activity: a misleading concept. Schwartz PJ, et al. **Psychophysiology** 1983 Nov;20(6):696–701

Differential blocking effects of prazosin and yohimbine on vasopressor responses to sympathetic nerve stimulation and intravenous norepinephrine in the pithed rat. Lee JY, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):97–112

Sympathetic nervous control of gastric motility and interaction with vagal activity. Abrahamsson H, et al. **Scand J Gastroenterol [Suppl]** 1984;89:83–7

Sympathetic control of gastric motility. Altaparmakov IA. **Scand J Gastroenterol [Suppl]** 1984;89:71–5

Dopaminergic and adrenergic influence on gastric acid and pepsin secretion stimulated by food. The role of vagal innervation. Guldvog I, et al. **Scand J Gastroenterol [Suppl]** 1984;89:113–6

The influence of autonomous nervous activity on total and regional gastric blood flow. Hottenrott C, et al. **Scand J Gastroenterol [Suppl]** 1984;89:37–9

Neurogenic control of release of gastrin and somatostatin. Uvnäs–Moberg K, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:131–6

Challenge–control interaction as reflected in sympathetic–adrenal and pituitary–adrenal activity: comparison between the sexes. Frankenhaeuser M. **Scand J Psychol** 1982;Suppl 1:158–64

Spinal sympathetic pathway: an enkephalin ladder. Romagnano MA, et al. **Science** 1984 Aug 17; 225(4663):737–9

[Acupuncture and adrenergic mechanisms of the autonomous nervous system] Cocchi R. **Minerva Med** 1983 Nov 3; 74(42):2533–6 (Eng. Abstr.) **(Ita)**

[Relation between the sympathetic nervous system and the elevation of myocardial phosphorylase activity after ligation of the coronary artery] Sakai K, et al. **Kokyu To Junkan** 1983 Nov;31(11):1155–8 **(Jpn)**

[Sympathetic nervous system and response of the coronary artery to some drugs] Tsukada T, et al. **Kokyu To Junkan** 1983 Nov;31(11):1159–62 **(Jpn)**

[High blood pressure maintaining mechanisms in chronic one–kidney, one clip and two–kidney, one clip hypertensive rats. II. Roles of the sympathetic nervous system and renin–angiotensin system] Hashimoto H. **Nippon Jinzo Gakkai Shi** 1983 Feb;25(2):153–61 (Eng. Abstr.) **(Jpn)**

[Renal nerve system and urinary catecholamines] Suzuki H, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):885–7 **(Jpn)**

[The outflow and action of the autonomic nerves innervating the digestive tract] Okada H. **Nippon Seirigaku Zasshi** 1984; 46(4):125–38 (118 ref.) **(Jpn)**

[Natriuresis regulation: role of renal nerves] Sadowski J. **Pol Tyg Lek** 1983 Jun 20;38(25):777–81 (34 ref.) **(Pol)**

[Effect of destruction of the corticomedial area of the amygdaloid body on the ovaries and uterus during their sympathetic and parasympathetic denervation] Tkachuk SS. **Fiziol Zh** 1983 Jul–Aug;29(4):467–70 **(Rus)**

[Electrophysiologic properties of neurons of the metasympathetic plexus of the urinary bladder in the frog] Didenko AV, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1417–9 **(Rus)**

[Natural electrical activity of human sympathetic nerve fibers recorded from the body surface] Gerzanich VV, et al. **Fiziol Zh SSSR** 1984 May;70(5):589–93 (Eng. Abstr.) **(Rus)**

[Reverse transsynaptic regulation of noradrenaline–H3 uptake in chronic sympathetic denervation] Kurbanova GD, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1164–9 (Eng. Abstr.) **(Rus)**

[Participation of sympathetic–adrenal system catecholamines

in regulating the reproduction and molting of the hen] Sirotkin AV, et al. **Zh Evol Biokhim Fiziol** 1984 Jan–Feb; 20(1):38–42 (Eng. Abstr.) **(Rus)**

[Stress caused by posterior hypothalamus stimulation in adrenalectomized dogs: the role of the sympathetic nervous system] Cicardo VH, et al. **Medicina (B Aires)** 1983; 43(2):163–7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

A comparison of the activity of the sympathoadrenal and adrenocortical system under inhalation anesthesia techniques. Abdulla YW, et al. **Acta Anaesthesiol Belg** 1983 Dec;34(4):257–64

Plasma inactive renin in diabetic patients with neuropathy: a role for the sympathetic nervous system in the conversion in vivo of inactive renin. Nakamaru M, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):216–21

Changes in sympathetic activity, heart rate and renal function during mental stress in normotensive and spontaneously hypertensive rats. Lundin S, et al. **Acta Med Scand [Suppl]** 1983;677:11–4

Sympatho–adrenal activity in different hypertensive disorders in pregnancy. A short review. Nisell H, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:13–6

The effects of sympathetic stimulation and adenosine on coronary circulation and heart function in diabetes mellitus. Koltai MZ, et al. **Acta Physiol Hung** 1984;63(2):119–25

Muscle sympathetic activity and plasma noradrenaline in normotensive and hypertensive man. Mörlin C, et al. **Acta Physiol Scand** 1983;119(2):117–21

Differentiated sympathetic activation during mental stress evoked by the Stroop test. Hjemdahl P, et al. **Acta Physiol Scand [Suppl]** 1984;527:25–9

Sympathetic nerves reduce cerebral blood flow during hypoxia in awake rabbits. Busija DW. **Am J Physiol** 1984 Sep;247(3 Pt 2):H446–51

Impairment of cardiopulmonary baroreflexes in Dahl salt–sensitive rats fed low salt. Ferrari A, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H119–23

Elevated sympathetic response of epicardium proximal to healed myocardial infarction. Gaide MS, et al. **Am J Physiol** 1983 Oct;245(4):H646–52

Sympathetic nervous system in the loss of autoregulation in acute renal failure. Kellcher SP, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F379–86

Colonoscopic decompression for acute pseudoobstruction of the colon (Ogilvie's syndrome). Report of 22 cases and review of the literature. Bode WE, et al. **Am J Surg** 1984 Feb;147(2):243–5 (12 ref.)

Quantitative sudomotor axon reflex test in normal and neuropathic subjects. Low PA, et al. **Ann Neurol** 1983 Nov; 14(5):573–80

Peripheral adrenergic subsensitivity in adult rats undernourished at perinatal age. Keller EA, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):88–94

Oculosympathetic spasm with cervical spinal cord injury. Kline LB, et al. **Arch Neurol** 1984 Jan;41(1):61–4

The trophic influence of sympathetic nerves on rabbit ear vasculature is absent in coarctation hypertension. Mueller SM, et al. **Artery** 1983;11(5):345–60

Immediate heart rate response to lying down: simple test for cardiac parasympathetic damage in diabetics. Rodrigues EA, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):800

Microneurographic evidence of excessive sympathetic outflow in the Guillain–Barré syndrome. Fagius J, et al. **Brain** 1983 Sep;106 (Pt 3):589–600

Sympathetic activity in man after spinal cord injury. Outflow to skin below the lesion. Wallin BG, et al. **Brain** 1984 Mar; 107 (Pt 1):183–98

Beneficial effect of i.c.v. naloxone in anaphylactic shock is mediated through peripheral beta–adrenoceptive mechanisms. Amir S. **Brain Res** 1984 Jan 2;290(1):191–4

Enhanced preganglionic sympathetic nerve responses in spontaneously hypertensive rats. Morrison SF, et al. **Brain Res** 1984 Mar 26;296(1):152–5

Global versus regional myocardial ischaemia: differences in cardiovascular and sympathetic responses in cats. Lombardi F, et al. **Cardiovasc Res** 1984 Jan;18(1):14–23

Coexistence of pupillary and heart sympathergic asymmetries in cluster headache. Boccuni M, et al. **Cephalalgia** 1984 Mar;4(1):9–15

Effects of chronic hypertension and sympathetic nerves on the cerebral microvasculature of stroke–prone spontaneously hypertensive rats. Werber AH, et al. **Circ Res** 1984 Sep;55(3):286–94

Reversal by naloxone of the antihypertensive action of clonidine: involvement of the sympathetic nervous system. Farsang C, et al. **Circulation** 1984 Mar;69(3):461–7

The sympathetic nervous system in hypertension. Abboud FM. **Clin Exp Hypertens [A]** 1984;6(1–2):43–60

Vasopressin response to hyperosmotic stimulus: blood pressure effect in normal subjects and patients with impaired sympathetic system. DiPette D, et al. **Clin Exp Hypertens [A]** 1984;6(4):851–61

Effects of serotonin and some other neurohumoral agents on adrenergic neurotransmission in spontaneously hypertensive rat vasculature. Kubo T, et al. **Clin Exp Hypertens [A]** 1983;5(9):1501–10

Sympathetic vasoconstrictor nerve function in alcoholic neuropathy. Jensen K, et al. **Clin Physiol** 1984 Jun; 4(3):253–62

The influence of neonatal treatment with guanethidine on the development of isolation–induced hypertension in adult rats. Gardiner SM, et al. **Clin Sci** 1983 Nov;65(5):469–74

Tetanus: sympathetic overactivity [letter] Domenighetti GM, et al. **Crit Care Med** 1984 Aug;12(8):698

Increased circulating plasma norepinephrine concentrations in noncardiac causes of pulmonary hypertension. Zaloga GP, et al. **Crit Care Med** 1984 Feb;12(2):85–9

Abnormal regulation of sympathetic nervous activity and heart rate after oral glucose in type 1 (insulin–dependent) diabetic patients. Hegedüs L, et al. **Diabetologia** 1983 Sep; 25(3):242–6

Rat bladder in the early stages of streptozotocin–induced diabetes: adrenergic and cholinergic innervation. Lincoln J, et al. **Diabetologia** 1984 Jan;26(1):81–7

Sympathetic nerve failure in diabetes. Watkins PJ, et al. **Diabetologia** 1983 Aug;25(2):73–7

The influence of hyperthyroidism and hypothyroidism on alpha– and beta–adrenergic receptor systems and adrenergic responsiveness. Bilezikian JP, et al. **Endocr Rev** 1983 Fall;4(4):378–88 (82 ref.)

Adrenergic factors in arrhythmogenesis in the ischemic and reperfused myocardium. Sharma AD, et al. **Eur Heart J** 1983 Jul;4 Suppl D:79–90 (109 ref.)

Sympathetic nervous control of cerebrospinal fluid production in experimental obstructive hydrocephalus. Lindvall M, et al. **Exp Neurol** 1984 Jun;84(3):606–15

Effects of sympathetic stimulation on ventricular refractory periods in cats with acute coronary artery ligation. Gaide MS, et al. **Experientia** 1984 Jul 15;40(7):694–5

Effect of antihypertensive therapy on sympathetic nervous system activity in patients with essential hypertension. Chernow B, et al. **Fed Proc** 1984 Jan;43(1):72–7

Circadian rhythm of working capacity, sympathicoadrenal activity, and myocardial infarction. Ganelina IE, et al. **Hum Physiol** 1983 Mar–Apr;9(2):113–20

Alpha adrenoceptors and autonomic mechanisms in perinephritis hypertension in the rabbit. Hamilton CA, et al. **Hypertension** 1983 Nov–Dec;5(6):958–67

Further studies on the development of two–kidney, two clip Goldblatt hypertension in 6–hydroxydopamine–treated rats. Kurnjek ML, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V3–7

Sympathetic nerves and adrenal medulla: contributions to cardiovascular–conditioned emotional responses in spontaneously hypertensive rats. Sakaguchi A, et al. **Hypertension** 1983 Sep–Oct;5(5):728–38

Ontogeny of neural and non–neural contributions to arterial blood pressure in spontaneously hypertensive rats. Smith PG, et al. **Hypertension** 1984 Jan–Feb;6(1):54–60

Sympathetic outflow to muscles during treatment of hypertension with metoprolol. Wallin BG, et al. **Hypertension** 1984 Jul–Aug;6(4):557–62

The effect of modified fasting on blood pressure and sympathetic activity: a correlation? Koppeschaar HP, et al. **Int J Obes** 1983;7(6):569–74

Evaluation of left ventricular performance during sympathetic nervous storm in a case with severe tetanus by transesophageal M–mode echocardiography. Matsumoto M, et al. **Intensive Care Med** 1984;10(4):201–2

Sympathetic hyperactivity in tetanus [letter] Ravizza AG, et al. **Intensive Care Med** 1983;9(6):349–50

Sympathetic nervous system activation in postextrasystolic potentiation: role of catecholamine release in enhancement of ventricular function. Geschwind HJ, et al. **J Am Coll Cardiol** 1984 Aug;4(2):216–25

Effects of physical training on adrenergic sensitivity in obesity. Krotkiewski M, et al. **J Appl Physiol** 1983 Dec; 55(6):1811–7

Neural mechanisms involved in the recovery from insulin hypoglycemia in dogs. Dolnikoff MS, et al. **J Auton Nerv Syst** 1983 Jun;8(2):129–39

The effect of neonatal guanethidine administration on hemodynamic and physical alterations in the adult rat pulmonary artery during the development of hypoxia–induced pulmonary hypertension. McKenzie JC, et al. **J Auton Nerv Syst** 1984 Apr;10(2):199–203

Increased sympathetic nervous system activity in rat spleen and heart following vitamin A depletion. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):163–70

Altered exercise performance and abnormal sympathetic responses to exercise in patients with anorexia nervosa. Nudel DB, et al. **J Pediatr** 1984 Jul;105(1):34–7

Norepinephrine release and vascular response elicited by nerve stimulation in rats with chronic neurogenic hypertension. Granata AR, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):187–93

Role of sympathetic nervous system in ischemia–induced reduction of digoxin tolerance in anesthetized cats. Kim D, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):537–44

Type A behavior, heart rate and pupillary response: effects of cold pressor and ego threat. Malcolm AT, et al. **J Psychosom Res** 1984;28(1):27–34

Sympathetic nervous system sensitivity to hemorrhagic hypotension in the subhuman primate. Chernow B, et al. **J Trauma** 1984 Mar;24(3):229–32

Role of sympathetic nerve activity and natriuresis in the antihypertensive actions of potassium in NaCl hypertension. Fujita T, et al. **Jpn Circ J** 1983 Oct; 47(10):1227–31

Effect of prostacyclin and prazosin in the treatment of congestive heart failure; with special reference to the sympathetic nervous system. Yui Y, et al. **Jpn Circ J** 1984 Apr;48(4):365–72

Renal neural activity in hepatorenal syndrome [clinical conference] DiBona GF. **Kidney Int** 1984 May;25(5):841–53

Sympathetic activity in benign familial tremor [letter] Warren JB, et al. **Lancet** 1984 Feb 25;1(8374):461–2

Sympathetic hyperreactivity in offspring of essential hypertensive patients. Nielsen JR, et al. **Life Sci** 1984 Jun 25;34(26):2551–8

Hypertension in end–stage renal failure: role of sympathetic nervous system, sodium balance and renal pressor system. Zucchelli P, et al. **Life Support Syst** 1983 Apr–Jun; 1(2):101–11

Clinical assessment of sympathetic function in man. Johnson RH. **Methods Find Exp Clin Pharmacol** 1984 Apr; 6(4):187–95 (46 ref.)

The adrenergic nervous system in heart failure [editorial] Bristow MR. **N Engl J Med** 1984 Sep 27;311(13):850–1

Radioimmunoassay of chromogranin A in plasma as a measure of exocytotic sympathoadrenal activity in normal subjects and patients with pheochromocytoma. O'Connor DT, et al. **N Engl J Med** 1984 Sep 20;311(12):764–70

Plasma catecholamines and autonomic nervous system function in patients with early renal insufficiency and hypertension: effect of clonidine. Levitan D, et al. **Nephron** 1984;36(1):24–9

Central activation and peripheral function of sympatho–adrenal and cardiovascular systems in the Zucker rat. Levin BE, et al. **Physiol Behav** 1984 Feb; 32(2):295–9

Dopaminergic control of sympathetic activity and blood pressure in haemodialysis patients. Sturani A, et al. **Proc Eur Dial Transplant Assoc** 1983;20:156–60

Sympathetic nervous system function in XYY subjects. Lake CR, et al. **Psychiatry Res** 1983 Jun;9(2):149–55

Avenues of investigation for the role of catecholamines in anxiety. Kopin IJ. **Psychopathology** 1984;17 Suppl 1:83–97 (89 ref.)

The lack of normal catecholamine responses in patients with pheochromocytomas. Newsome HH Jr. **Surgery** 1983 Dec; 94(6):932–7

[Sympathetic overactivity in a patient with tetanus] Imai T, et al. **Masui** 1983 Sep;32(9):1127–31 (Eng. Abstr.) **(Jpn)**

[Significance of increased activities of sympathetic nervous system in the abdomen in spontaneous hypertensive rats] Takahashi H, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul; 25(7):848–9 **(Jpn)**

[Studies on the role of the central and peripheral sympathetic nervous system and the renin–aldosterone system on the onset and maintenance of high blood pressure in essential hypertension] Shigetomi S. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1829–44 (Eng. Abstr.) **(Jpn)**

[Patterns in the fall of blood pressure during the erect position in patients with orthostatic hypotension syndrome—with special reference to the pathophysiology of sympatheticotonic–type orthostatic hypotension] Tamura N, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov; 72(11):1538–46 **(Jpn)**

[Catecholamine responses to sympathetic stimulation in essential hypertension classified according to the WHO classification] Hayashi Y. **Nippon Ronen Igakkai Zasshi** 1983 Jul;20(4):312–20 (Eng. Abstr.) **(Jpn)**

[Parasympathetic and sympathetic nervous functions in hemispheric cerebrovascular disease] Tamura N. **Rinsho Shinkeigaku** 1983 Sep;23(9):787–95 (Eng. Abstr.) **(Jpn)**

[Autonomic dysreflexia in medullary section lesions] Hjeltnes N, et al. **Tidsskr Nor Laegeforen** 1983 Oct 10;103(28):1933–6 (Eng. Abstr.) **(Nor)**

[Effect of night–shift work on selected physiological indicators in power plant workers] Chiżyński K. **Med Pr** 1983;34(4):341–4 (Eng. Abstr.) **(Pol)**

[Disorders of vegetative regulation in endogenous depression] Strzyżewski W, et al. **Psychiatr Pol** 1983;17(1):71–5 (40 ref.) **(Pol)**

[Role of the sympathetic nervous system in adaptive changes in brain energy metabolism during ischemia and in the postischemic period] Teplov SI, et al. **Fiziol Zh SSSR** 1984 May;70(5):692–700 (Eng. Abstr.) **(Rus)**

[Features of the peripheral circulation and tolerance to isometric exercise in patients with chronic ischemic heart disease and different variants of the cardiac pain syndrome] Trotsiuk VV, et al. **Kardiologiia** 1984 May;24(5):99–101 **(Rus)**

[Features of individual adrenoreactivity in adolescents with primary arterial hypertension] Brin VB, et al. **Pediatriia** 1984 Apr;(4):29–31 (Eng. Abstr.) **(Rus)**

[Various indices of the kallikrein–kinin and sympatho–adrenal system in bronchial asthma patients] Garmash VIa, et al. **Ter Arkh** 1983;55(10):115–7 (21 ref.) (Eng. Abstr.) **(Rus)**

[State of the sympathico–adrenal system during reflexotherapy of duodenal ulcer] Markelova VF, et al. **Ter Arkh** 1983;55(9):115–7 (Eng. Abstr.) **(Rus)**

[Effect of reflexotherapy on the functional state of the sympathoadrenal system in patients with bronchial asthma] Markelova VF, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):106–9 (Eng. Abstr.) **(Rus)**

[Sympathetic–adrenal function in peptic ulcer] Kravchenko TV. **Vrach Delo** 1984 Apr;(4):69–73 **(Rus)**

[Status of the sympathetic–adrenal system in the initial and early periods of closed craniocerebral injuries in children] Aliev ZM, et al. **Zh Nevropatol Psikhiatr** 1983;

83(10):1455–60 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[The sympathetic–adrenal and hypophyseal–adrenal systems in the preoperative irradiation of patients with cancer of the esophagus and cardia] Tarutinov VI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):36–9 (Eng. Abstr.) **(Rus)**

SECRETION

Release of norepinephrine from sympathetic nerve efferents by bilateral carotid occlusion. Reison DS, et al. **Am J Physiol** 1983 Oct;245(4):H635–9

Dissociation of sympathetic nervous system and adrenal medullary responses. Young JB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E35–40

Release of noradrenaline and dopamine by nerve stimulation in the guinea–pig and rat vas deferens. Bell C, et al. **Br J Pharmacol** 1984 Mar;81(3):563–9

Effects of alpha– and beta–adrenoceptor blockade on the neurally evoked overflow of endogenous noradrenaline from the rat isolated heart. Dart AM, et al. **Br J Pharmacol** 1984 Mar;81(3):475–8

Facilitatory effect of adrenocorticotropic hormone and related peptides on Ca2+–dependent noradrenaline release from sympathetic nerves. Göthert M. **Neuroscience** 1984 Apr;11(4):1001–9

ULTRASTRUCTURE

Altered cerebral vessel innervation in the spontaneously hypertensive rat. Lee TJ, et al. **Circ Res** 1984 Sep; 55(3):392–403

[Neurons of the enteral portion of the metasympathetic system cultured in diffusion chambers] Nozdrachev AD, et al. **Fiziol Zh SSSR** 1983 Dec;69(12):1581–8 (Eng. Abstr.) **(Rus)**

SYMPATHETIC TRANSMITTER RELEASERS see **SYMPATHOMIMETICS**

SYMPATHINS see **CATECHOLAMINES**

SYMPATHOLYTICS

Origin of the hypotensive and sympathoinhibitory effect of morphinomimetic agents. Laubie M, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):431–9

ADMINISTRATION & DOSAGE

[Treatment of ileus with sympathicolysis: therapy protocol] Grund KE, et al. **Intensivmed Prax** 1983 Oct;6:87–93 **(Ger)**

ADVERSE EFFECTS

[What effect do sympatholytics have on the pregnant uterus?] Bellmann O. **Anasth Intensivther Notfallmed** 1984 Jun; 19(3):144–5 **(Ger)**

DIAGNOSTIC USE

[Sympathetic paraganglioma. Scintigraphic detection using a new labeled molecule, meta–iodobenzylguanidine] Baulieu JL, et al. **Presse Med** 1984 Jun 30;13(27):1679–82 (Eng. Abstr.) **(Fre)**

[Features of individual adrenoreactivity in adolescents with primary arterial hypertension] Brin VB, et al. **Pediatriia** 1984 Apr;(4):29–31 (Eng. Abstr.) **(Rus)**

[Television biomicroscopy in studying conjunctival microvascular reactions to vasoactive substances] Bunin AIa, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):38–42 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of alpha– and beta–adrenergic blockade on systemic and pulmonary hemodynamics during intravenous administration of local anesthetics. Yukioka H, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):339–47

Factor analysis of local cerebral blood flow changes observed in physiological experiments. Szabó L, et al. **Acta Physiol Hung** 1984;63(1):43–53

Effect of autonomic blocking agents on local cerebral blood flow in the rat. Szabó L, et al. **Acta Physiol Hung** 1983; 62(3–4):191–204

Noradrenergic agonists and antagonists: effects on avoidance behaviour in rats. Obersztyn M, et al. **Acta Physiol Pol** 1983 Jul–Aug;34(4):401–7

The effect of autonomic receptor blockers on the ocular response to topical chemical irritation. Uusitalo H. **Acta Physiol Scand** 1984 May;121(1):1–8

Diazepam, alpha and beta neurotransmission modifying drugs and contrast media mortality in mice. Virkkunen P, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):249–51

Antiadrenergic antihypertensive drugs: their effect on renal function. Bernstein KN, et al. **Annu Rev Pharmacol Toxicol** 1984;24:105–20 (74 ref.)

Effect of adrenergic blockers and depleters on food intake in rats. Cceguera MG, et al. **Appetite** 1983 Sep;4(3):187–93

A hypothesis to explain the presynaptic effects of adrenoceptor antagonists. Kalsner S, et al. **Br J Pharmacol** 1984 Jun;82(2):515–22

Monoaminergic antagonists which block naloxone–induced release of luteinizing hormone bind selectively to hypothalamic opiate receptors. Blank MS, et al. **Brain Res** 1983 Nov 21;279(1–2):153–8

Effect of adrenergic blockade with bretylium and phentolamine on glomerular filtration rate in the rainbow trout, Salmo gairdneri Rich., adapting to saline water. Elger B, et al. **Comp Biochem Physiol [C]** 1983;75(2):253–8

Dopamine–sensitive cAMP generating system in rat extracerebral arteries. Amenta F, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):105–9

Blockade of the release of LH induced by pharmacological suppression of adrenergic inflow into the locus coeruleus. Dotti CG, et al. **Eur J Pharmacol** 1984 Mar 16;99(1):9–14

Adrenergic effects on plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits. Knudtzon J. **Horm Metab Res** 1984 Aug;16(8):415–22

Adrenergic and serotonergic regulation of skeletal muscle metabolism in rat. I. The effects of adrenergic and serotonergic antagonists on the regulation of muscle amino acid release, glycogenolysis, and cyclic nucleotide levels. Ezrailson EG, et al. **J Biol Chem** 1983 Oct 25; 258(20):12494–8

Release of vasopressin in response to hypoxia and the effect of aminergic and opioid antagonists. Forsling ML, et al. **J Endocrinol** 1983 Oct;99(1):77–86

Evidence for an alpha–1 receptor–mediated central sympathoinhibitory action of ketanserin. McCall RB, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):704–10

Effects of cholinergic and adrenergic drugs on intraluminal pressures and contractility of the rat testis and epididymis in vivo. Pholpramool C, et al. **J Reprod Fertil** 1984 May; 71(1):181–8

Effects of adrenergic blockers on the inhibition of muricide by chronic administration of desipramine in oflactory bulbectomized rats. Shibata S, et al. **Jpn J Pharmacol** 1984 May;35(1):73–5

The effect of adrenergic blockade on glucose–induced thermogenesis. Seaton T, et al. **Metabolism** 1984 May; 33(5):415–9

The effect of adrenergic and cholinergic antagonists on central histaminergic stimulation of pituitary–adrenocortical response under stress in rats. Bugajski J, et al. **Neuroendocrinology** 1984 Jun;38(6):447–52

Effects of peripheral antisympathetic treatments in the tail–flick, formalin and autotomy tests. Coderre TJ, et al. **Pain** 1984 Jan;18(1):13–23

Effect of adrenergic blockers on the dog's sleep–wake pattern. Gordon CR, et al. **Physiol Behav** 1984 Mar; 32(3):345–50

Differential effects of adrenergic agents on plasma levels of immunoreactive beta–endorphin and alpha–melanotropin in rats. Pettibone DJ, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):168–74

Effects of adrenergic agonists and antagonists on the blood pressure and heart rate of the pig fetus. Macdonald AA, et al. **Res Vet Sci** 1984 Jan;36(1):61–5

[The action of various antiadrenergic substances on the liberation of the growth factor (CSA) for granulo–monocytic lines] Nafziger J, et al. **Ann Pharm Fr** 1983;41(6):611–7 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects of medroxalol in the anesthetized dog. Relation between adrenolytic properties and plasma concentration] Weissenburger J, et al. **J Pharmacol** 1983 Oct–Dec;14(4):413–23 (Eng. Abstr.) **(Fre)**

[Effects of sympathetic blocking agents on vasodilation] Ino–Oka E, et al. **Nippon Rinsho** 1983 Dec;41(12):2698–702 **(Jpn)**

[Effectiveness of drug sympathicolysis on the length of survival in experimental intestinal occlusion] Acalovschi I, et al. **Rev Chir [Chir]** 1983 Sep–Oct;32(5):385–91 (Eng. Abstr.) **(Rum)**

[Predisposition of the optimal conformations of adrenergic compounds to the formation of polydentate complexes with metal ions] Zhorov BS, et al. **Dokl Akad Nauk SSSR** 1983; 273(2):497–501 **(Rus)**

[Ornid but not atropine abolishes the insulin receptor reaction of fat and liver plasma membranes to fasting and hyperinsulinemia] Bezdrobnyĭ IuV, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):200–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of gastroduodenal ulcers with carbonic anhydrase inhibitors. Puşcaş I. **Ann NY Acad Sci** 1984;429:587–91

Use of sympatholytic and vasodilator drugs. Moyer JH. **Penn Med** 1984 Jan;87(1):34–42

Drug systems approach to hypertension. Moyer JH. **Penn Med** 1983 Dec;86(12):68–73

[Pharmacology and drug treatment of urinary incontinence in women] Juracheck F, et al. **Acta Urol Belg** 1984 Apr; 52(2):224–36 (Eng. Abstr.) **(Fre)**

[Sympathotropic drugs used in ophthalmology] Cristea E. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):133–7 (Eng. Abstr.) **(Rum)**

[Endoscopic follow–up of recurrences of gastroduodenal ulcer after treatment with Ulcosilvanil (4–year study)] Puşcaş I, et al. **Rev Med Interna [Med Interna]** 1983 Jul–Aug;35(4):357–9 **(Rum)**

[Function of the hypophysis in patients with Itsenko–Cushing disease treated with peritol and chloditan] Slavnov VN, et al. **Klin Med (Mosk)** 1983 Oct;61(10):27–31 (Eng. Abstr.) **(Rus)**

SYMPATHOMIMETICS

Sympathomimetic activity of mazindol on rat anococcygeus muscle and vas deferens. Zarrindast MR. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):258–63

On the antihypertensive mechanisms of beta–adrenoceptor antagonists in relation to intrinsic sympathomimetic activity, cardioselectivity and hydrophilicity. Man in't Veld AJ, et al. **J Pharmacol** 1983;14 Suppl 2:69–104

[Adrenomimetic activity of a derivative of 2–aminotetralin] Staneva D, et al. **Eksp Med Morfol** 1983;22(4):42–7 (Eng. Abstr.) **(Bul)**

[The role of the sympathomimetic activity of beta–adrenergic blockaders in the treatment of patients with chronic ischemic heart disease] Ol'binskaia LI, et al. **Ter Arkh** 1983; 55(9):35–40 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Orally administered decongestant drugs in disorders of the upper respiratory passages: a survey of clinical results. Anggård A, et al. **Clin Otolaryngol** 1984 Feb;9(1):43–9

ADVERSE EFFECTS

Practical tips on adverse drug effects in glaucoma therapy. Schwab LT. **W Va Med J** 1983 Sep;79(9):199–201

[Arterial hypertension induced by a nasal decongestant. Value of the use of an automatic and programmable recording technic] Balansard P, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3059–61 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

[Television biomicroscopy in studying conjunctival microvascular reactions to vasoactive substances] Bunin AIa, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):38–42 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of repeated treatments with sympathomimetic drugs on planarian glucose metabolism. Csaba G, et al. **Acta Physiol Hung** 1983;61(3):141–5

Diazepam, alpha and beta neurotransmission modifying drugs and contrast media mortality in mice. Virkkunen P, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):249–51

Intrinsic sympathomimetic activity: clinical fact or fiction? Taylor SH. **Am J Cardiol** 1983 Nov 10;52(9):16D–26D (91 ref.)

The effects of adrenergic and cholinergic agents on progesterone production by human corpus luteum in vitro. Casper RF, et al. **Am J Obstet Gynecol** 1984 Mar 1; 148(5):663–9

Neural control of acid–induced serotonin release from rabbit duodenum. Kellum J, et al. **Am J Physiol** 1983 Dec; 245(6):G824–31

Induction of opposite response of hindlimb vasculature to adrenergic agents in hypothyroid rats. Oguro K, et al. **Arch Int Pharmacodyn Ther** 1984 Apr;268(2):242–58

Fasting reduces the responses of the rat vas deferens to sympathomimetics. Tayo FM. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):249–57

Prenatal ethanol alters development of cardiac ornithine decarboxylase response to adrenergic agents in rat. I. Continuous exposure. Thadani PV. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):192–202

Amino acid composition of salivary protein secreted by the parotid glands of rats in response to parasympathomimetic and sympathomimetic drugs. Abe K, et al. **Arch Oral Biol** 1984;29(2):127–30

Effects of adrenergic agents, vasopressin and ionophore A23187, on the phosphorylation of, and flux through, phenylalanine hydroxylase in rat liver cells. Fisher MJ, et al. **Biochem J** 1984 Apr 1;219(1):87–90

Inositol administration restores the sensitivity of liver cells formed during liver regeneration to alpha 1–adrenergic amines, vasopressin and angiotensin II. Huerta–Bahena J, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):125–8

The influence of hypothyroidism on the adrenergic stimulation of glycogenolysis in perfused rat liver. Storm H, et al. **Biochim Biophys Acta** 1984 Apr 24;798(3):350–60

Effects of LM 5008, a selective inhibitor of 5–hydroxytryptamine uptake, on blood pressure and responses to sympathomimetic amines. Ashkenazi R, et al. **Br J Pharmacol** 1983 Aug;79(4):915–22

Adrenoceptors and regulation of intestinal tone in the isolated colon of the mouse. Fontaine J, et al. **Br J Pharmacol** 1984 Feb;81(2):231–43

Distribution of alpha 2 agonist binding sites in the rat and human central nervous system: analysis of some functional, anatomic correlates of the pharmacologic effects of clonidine and related adrenergic agents. Unnerstall JR, et al. **Brain Res** 1984 Mar;319(1):69–101 (277 ref.)

Adrenergic drugs. Bierman CW. **Clin Rev Allergy** 1983 Mar; 1(1):87–104 (65 ref.)

Aqueous humor outflow. Kaufman PL. **Curr Top Eye Res** 1984;4:97–138 (170 ref.)

Intrinsic sympathomimetic activity: physiological reality or marketing phenomenon. Black CD, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):554–9 (49 ref.)

Effects of ouabain and furosemide on saliva secretion induced

by sympathomimetic agents in isolated, perfused rat submandibular glands. Martinez JR, et al. **Experientia** 1984 Jun 15;40(6):557–9

Adrenergic effects on plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits. Knudtzon J. **Horm Metab Res** 1984 Aug;16(8):415–22

Clinical pharmacology of adrenergic drugs. Popa VT. **J Asthma** 1984;21(3):183–207 (198 ref.)

Effects of phenyl-2-aminoethyl sulfide, a novel dopamine-beta-hydroxylase substrate, on the cardiovascular system of the anesthetized dog. Herman HH, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct; 5(5):725–30

Modulation of cortical acetylcholine and gamma-aminobutyric acid release in freely moving guinea pigs: effects of clonidine and other adrenergic drugs. Moroni F, et al. **J Pharmacol Exp Ther** 1983 Nov; 227(2):435–40

Mechanisms of cardiac supersensitivity to sympathomimetic amines. Broadley KJ, et al. **Methods Find Exp Clin Pharmacol** 1984 Apr;6(4):179–86 (47 ref.)

Comparison of the acute physical and mental effects of ephedrine, fenfluramine, phentermine and prolintane. Kuitunen T, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):265–70

Effects of sympathomimetic drugs on reptilian atrial muscles. Ojewole JA, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):245–53

Growth of Trypanosoma cruzi epimastigotes controlled by shifts in cyclic AMP mediated by adrenergic ligands. Oliveira MM, et al. **Mol Biochem Parasitol** 1984 Apr; 11:283–92

Changes in sensitivity to the inhibitory effects of adrenergic agonists on intestinal motor activity after chronic sympathetic denervation. Frigo GM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):145–52

Differential effects of adrenergic agents on plasma levels of immunoreactive beta-endorphin and alpha-melanotropin in rats. Pettibone DJ, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):168–74

Functional supersensitivity to adrenergic agonists in the rat after DSP-4, a selective noradrenergic neurotoxin. Dooley DJ, et al. **Psychopharmacology (Berlin)** 1983;81(1):1–5

Inhibition of shaking movements in rats by central administration of cholinergic and adrenergic agents. Wei ET. **Psychopharmacology (Berlin)** 1983;81(2):111–4

Circulatory support with sympathetic amines in brain death. Nishimura N, et al. **Resuscitation** 1984 May;12(1):25–30

The effect of sympathomimetic agents on gastric acid secretion in rats. Canfield P, et al. **Scand J Gastroenterol [Suppl]** 1984;89:23–6

Effects of alpha- and beta-adrenergic agents and dopamine on gastric motor activity stimulated by acetylcholine or physostigmine. Ulvestad A, et al. **Scand J Gastroenterol [Suppl]** 1984;89:59–63

Effects of adrenergic agents on the in vitro motility of porcine oviducts. Rodriguez-Martinez H. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):91–104

[Effects of isometheptene on gallbladder contraction] Baldassarre G, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30; 59(9):1278–84 (Eng. Abstr.) **(Ita)**

[Predisposition of the optimal conformations of adrenergic compounds to the formation of polydentate complexes with metal ions] Zhorov BS, et al. **Dokl Akad Nauk SSSR** 1983; 273(2):497–501 **(Rus)**

[Age-related characteristics of the effect of adrenomimetics on the noradrenaline and adrenaline content in the myocardium of the rat] Viktorov AP. **Farmakol Toksikol** 1984 May–Jun;47(3):43–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of 2-[(5-chloro-2-methoxyphenyl)azo]-1H-imidazole (M6434) on hemorrhagic, cardiogenic, and endotoxin shock in rats and rabbits. Ohnishi H, et al. **Circ Shock** 1984; 13(3):261–70

Adrenergic drugs for the treatment of asthma. Ahrens RC, et al. **Iowa Med** 1984 Jan;74(1):26–9 (10 ref.)

Effect of adrenergic stimulation and blockade on ventricular defibrillation in the rat. Sharma AD, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):716–22

Antihistamines and decongestants in otitis media. Wald ER. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):386–8

The site of action of beta-2-sympathomimetic bronchodilators in patients with chronic obstructive airway disease [letter] Newhouse MT. **Respiration** 1983;44(5):395

Place of vasoactive agents in the treatment of acute circulatory failure. Vincent JL. **Resuscitation** 1984 Mar; 11(3–4):175–82 (24 ref.)

[Dynamic changes in the frequency of the uterine contractions during tocolysis with the beta-adrenomimetic Partuisten in high rupture of the amniotic sac] Ivanov S. **Akush Ginekol (Sofiia)** 1984;23(1):42–5 (Eng. Abstr.) **(Bul)**

[Monitoring changes in the variability of the heart rate of the preterm fetus during tocolysis with beta-adrenomimetics. Partuisten and Pre-par] Ivanov S. **Akush Ginekol (Sofiia)** 1983;22(5):365–7 (Eng. Abstr.) **(Bul)**

[Use of tocolysis as a routine method of preventing spontaneous abortions and premature labor] Veselinov Kh. **Akush Ginekol (Sofiia)** 1983;22(2):93–7 (Eng. Abstr.) **(Bul)**

[Pharmacotherapy in severe asthma attacks (letter)] Grebe I. **Dtsch Med Wochenschr** 1983 Nov 18;108(46):1775 **(Ger)**

[Are beta-sympathomimetic substances in resuscitation useful? Experimental studies] Meuret GH, et al. **Schweiz Med Wochenschr** 1983 Aug 20;113(33):1148–52 (Eng. Abstr.) **(Ger)**

[Sympathotropic drugs used in ophthalmology] Cristea E. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):153–7 (Eng. Abstr.) **(Rum)**

[Basic diagnostic, pathogenic and therapeutic principles in asthma. III. Therapeutic principles] Ionescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec; 87(4):521–30 (26 ref.) **(Rum)**

[Comparative analysis of the effect of the treatment with vegetotropic and hormonal complexes on biochemical indicators in patients with eczema] Goncharov NA, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):48–53 (Eng. Abstr.) **(Rus)**

URINE

Determination of some doping agents by overpressured thin-layer chromatography. Gulyás H, et al. **J Chromatogr** 1984 May 18;291:471–5

SYNAPSES

Development of basal lamina in synaptic and extrasynaptic portions of embryonic rat muscle. Chiu AY, et al. **Dev Biol** 1984 Jun;103(2):456–67

Evidence for a presynaptic blockage of transmission in a temperature-sensitive mutant of Drosophila. Koenig JH, et al. **J Neurobiol** 1983 Nov;14(6):411–9

[Effect of noise-induced stress on the quantitative characteristics of rat brain synapses] Kuvaeva OF, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):748–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Regions of putative acetylcholine receptors at synaptic contacts between neurons maintained in culture and subsequently fixed in solutions containing tannic acid. Bird MM. **Cell Tissue Res** 1984;235(1):85–9

Evidence for the concentration of F-actin and myosin in synapses and in the plasmalemmal zone of axons. Drenckhahn D, et al. **Eur J Cell Biol** 1983 Sep;31(2):235–40

Developmental changes in the oligosaccharide composition of synaptic junctional glycoproteins. Fu SC, et al. **J Neurochem** 1983 Dec;41(6):1726–34

Evidence that a cerebellum-enriched, synaptic junction glycoprotein is related to fodrin and resists extraction with triton in a calcium-dependent manner. Groswald DE, et al. **J Neurochem** 1984 Feb;42(2):534–46

Calmodulin binding proteins of the cholinergic electromotor synapse: synaptosomes, synaptic vesicles, receptor-enriched membranes, and cytoskeleton. Walker JH, et al. **J Neurochem** 1984 Feb;42(2):314–20

Shared antigenic determinant between the Electrophorus acetylcholine receptor and a synaptic component on chicken ciliary ganglion neurons. Jacob MH, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3223–7

Synaptic neurochemistry of the basal forebrain cholinergic projection. Coyle JT, et al. **Psychopharmacol Bull** 1983; 19(3):441–7

DRUG EFFECTS

Axonal sprouts of the hypoglossal nerve implanted in the superior cervical ganglion of adult rats establish synaptic contacts under long-lasting GABA effect. An experimental degeneration study. Joó F, et al. **Acta Biol Hung** 1983; 34(2–3):177–85

A study of the origin of altered pharmacological reactivity of synaptic structures caused by diabetes and pretreatment with contrainsular agents. Minker E, et al. **Acta Physiol Hung** 1984;63(2):175–83

Pharmacological characterization of postsynaptic potentials evoked in the bimodal pacemaker neuron of Helix pomatia L. Vehovszky A, et al. **Acta Physiol Hung** 1983;62(1):35–46

Chronic treatment with l-dopa plus carbidopa in hemitransected rats: preferential effects at intact dopamine synapses leading to behavioural signs of dopamine receptor supersensitivity. Agnati LF, et al. **Acta Physiol Scand** 1983 May;118(1):27–34

Gangliosides increase the survival of lesioned nigral dopamine neurons and favour the recovery of dopaminergic synaptic function in striatum of rats by collateral sprouting. Agnati LF, et al. **Acta Physiol Scand** 1983 Dec;119(4):347–63

In vitro comparison of pre- and postsynaptic effects of dihydroergotoxine mesylate and 1-[2-ethoxy-2-(3'-pyridyl)ethyl]-4-(2'-methoxy-phenyl) piperazine (IP-66). Castellucci A, et al. **Arzneimittelforsch** 1984;34(2):150–3

A hypothesis to explain the presynaptic effects of adrenoceptor antagonists. Kalsner S, et al. **Br J Pharmacol** 1984 Jun;82(2):515–22

Nicotinamide adenine dinucleotide depresses synaptic transmission in the hippocampus and has specific binding sites on the synaptic membranes. Richards CD, et al. **Br J Pharmacol** 1983 Jun;79(2):553–64

Is there a non-synaptic component in the K+-stimulated release of GABA in the developing rat cortex? Balcar VJ, et al. **Brain Res** 1983 Nov;312(2):309–11

Blockade of synaptic transmission in the squid giant synapse by a spider toxin (JSTX). Kawai N, et al. **Brain Res** 1983 Nov 14;278(1–2):346–9

Phenytoin reduces frequency potentiation of synaptic potentials at the frog neuromuscular junction. Selzer ME, et al. **Brain Res** 1984 Jun 18;304(1):149–52

Presynaptic modulation of the release of dopamine from striatal synaptosomes: differences in the effects of high K+ stimulation, methamphetamine and nicotinic drugs. Takano Y, et al. **Brain Res** 1983 Nov 21;279(1–2):330–4

Lobster muscle and synapse respond to cortisol, a vertebrate hormone. Dixon D, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):836–40

Effects of melatonin on synaptic ribbons in pinealocytes of the Chinese hamster, Cricetulus griseus. A quantitative electron-microscopic study. Matsushima S, et al. **Cell Tissue Res** 1983;233(1):59–67

A quantitative ultrastructural study of the effects of phenylacetate on synaptic organization in the developing rat cerebral cortex. Oorschot DE, et al. **Dev Neurosci** 1983–84;6(1):45–57

Forskolin mimics slow synaptic excitation in myenteric neurons. Nemeth PR, et al. **Eur J Pharmacol** 1984 Jun 1; 101(3–4):303–4

Ammonia intoxication and hyperpolarizing postsynaptic inhibition. Raabe W, et al. **Exp Neurol** 1983 Dec; 82(3):711–5

Presynaptic and postsynaptic actions of cadmium in cardiac muscle. Giles W, et al. **Fed Proc** 1983 Oct;42(13):2994–7

Neurotoxic effects of water-soluble contrast agents on rat hippocampus. Hershkowitz N, et al. **Invest Radiol** 1984 May–Jun;19(3):192–201

Dual presynaptic effects of 5-hydroxytryptamine on peripheral noradrenergic synapses. Adler-Graschinsky E. **J Auton Pharmacol** 1983 Dec;3(4):303–15

Functional synaptogenesis and the rat pineal gland: a pharmacological investigation. Altar A, et al. **J Neural Transm** 1983;58(3–4):231–44

Choline acts as agonist and blocker for Aplysia cholinergic synapses. Gardner D, et al. **J Neurophysiol** 1984 Jan; 51(1):1–15

Synaptic transmission in low extracellular calcium is preserved by 3,4-diaminopyridine. Matsumoto M, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):16–21

Effects of thyroid hormone on synaptogenesis in the molecular layer of the developing rat cerebellum. Vincent J, et al. **J Physiol (Paris)** 1982–83;78(8):729–38

Synaptic facilitatory and depressant actions of 3,4-diaminopyridine: correlation with anticurare properties. Riker WK, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1183–9

Possible mechanisms involved in the presynaptic cholinotoxicity due to ethylcholine aziridinium (AF64A) in vivo. Mantione CR, et al. **Life Sci** 1984 Jul 2;35(1):33–41

Presynaptic and postsynaptic actions of procainamide on neuromuscular transmission. Lee DC, et al. **Muscle Nerve** 1983 Jul–Aug;6(6):442–7

A venom peptide with a novel presynaptic blocking action. Kerr LM, et al. **Nature** 1984 Mar 15–21;308(5956):282–4

Capsaicin blocks synaptically activated potassium conductance in snail neurone. Erdélyi L, et al. **Neurosci Lett** 1984 Mar 9;45(1):75–9

The action of aminopyridine on the electromotor synapse of Torpedo marmorata. Erdélyi L. **Neurosci Lett** 1983 Sep 9;39(3):291–4

Spinal seizures and excitatory amino acid-mediated synaptic transmission. Ryan GP, et al. **Neurosci Lett** 1984 Feb 10; 44(2):161–6

Pre- and postsynaptic effects of zinc on in vitro prepyriform neurones. Smart TG, et al. **Neurosci Lett** 1983 Sep 30; 40(2):205–11

Synaptic and non-synaptic effects of molluscan cardioexcitatory neuropeptides on locust skeletal muscle. Walther C, et al. **Neurosci Lett** 1984 Mar 9;45(1):99–104

A selective effect of naloxone on heterosynaptic C-fibre-mediated inhibitions in the rat dorsal horn. Woolf CJ. **Neurosci Lett** 1984 Mar 23;45(2):169–74

Influence of heavy metals on synaptic transmission: a review. Cooper GP, et al. **Neurotoxicology (Park Forest Il)** 1983 Winter;4(4):69–83 (56 ref.)

Postsynaptic actions of ethanol and methanol in crayfish neuromuscular junctions. Finger W, et al. **Pflugers Arch** 1984 Feb;400(2):113–20

Comparison of effects of ethanol on platelet function and synaptic transmission. Fenn GC, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:37–43

Ethanol effects on synaptic glutamate receptors and on liposomal membrane structure. Michaelis EK, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:197–202

Ethanol effects on synaptic glutamate receptor function and on membrane lipid organization. Michaelis EK, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:1–6

Biphasic actions of pentobarbital on synaptic transmission. Roth SH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):821–5

[Channel-forming properties of the presynaptic neurotoxin from the venom of the spider Latrodectus tredecimguttatus] Sadykov AS, et al. **Dokl Akad Nauk SSSR** 1983;272(5):1250-1 **(Rus)**

[Structure of the site of nicotinic cholinoreceptor binding with bis-ammonium blockers of synaptic transmission] Skok VI. **Dokl Akad Nauk SSSR** 1983 Nov-Dec; 273(1):246-8 **(Rus)**

[Effect of prostaglandins E2 and F2alpha on synaptic transmission in smooth muscle cells of the stomach and large intestine] Ganchurin VV, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):162-7 (Eng. Abstr.) **(Rus)**

[Antidromic action of potassium in the neuromotor synapse] Matiushkin DP, et al. **Fiziol Zh SSSR** 1984 May; 70(5):617-26 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Synaptic development in the human fetus: a morphometric analysis of normal and Down's syndrome neocortex. Petit TL, et al. **Exp Neurol** 1984 Jan;83(1):13-23

ENZYMOLOGY

Synaptic and non-synaptic mitochondria from rat cerebral cortex. Characterization and effect of pharmacological treatment on some enzyme activities related to energy transduction. Dagani F, et al. **Farmaco [Sci]** 1983 Aug; 38(8):584-94

The activities of some energy-metabolising enzymes in nonsynaptic (free) and synaptic mitochondria derived from selected brain regions. Leong SF, et al. **J Neurochem** 1984 May;42(5):1306-12

The major calmodulin-stimulated phosphoprotein of synaptic junctions and the major post-synaptic density protein are distinct. Rostas JA, et al. **Neurosci Lett** 1983 Dec 30; 43(2-3):161-5

GROWTH & DEVELOPMENT

Elimination of synapses during the development of the central nervous system. Mariani J. **Prog Brain Res** 1983; 58:383-92

METABOLISM

Presynaptic alpha-adrenoceptors in the central nervous system. Dubocovich ML. **Ann NY Acad Sci** 1984;430:7-25 (102 ref.)

Uptake of [3H]serotonin in the abdominal ganglion of Aplysia californica. Further studies on the morphological and biochemical basis of presynaptic facilitation. Bailey CH, et al. **Brain Res** 1983 Aug 1;272(1):71-81

Axons which take up [3H]serotonin are presynaptic to enkephalin immunoreactive neurons in cat dorsal horn. Glazer EJ, et al. **Brain Res** 1984 Apr 30;298(2):386-91

Major differences in the concanavalin A binding glycoproteins of postsynaptic densities from rat forebrain and cerebellum. Gordon-Weeks PR, et al. **Brain Res** 1983 Oct 31;277(2):380-5

Presynaptic tyrosine availability in the phenylketonuric brain: a hypothetical evaluation. Peterson NA, et al. **Brain Res** 1983 Aug 1;272(1):189-93

Presynaptic binding of amino acids: characterization of the binding and dissociation properties of taurine, GABA, glutamate, tyrosine and norleucine. Turpeenoja L, et al. **Int J Neurosci** 1983 Dec;22(1-2):99-106

Presynaptic uptake blockade hypothesis for LSD action at the lateral inhibitory synapse in Limulus. Kass L, et al. **J Gen Physiol** 1983 Aug;82(2):245-67

A single class of neurotensin receptors with high affinity in neuroblastoma X glioma NG108-15 hybrid cells that mediate facilitation of synaptic transmission. Nakagawa Y, et al. **J Neurosci** 1984 Jun;4(6):1653-61

The action of cholinergic agonists on the squid stellate ganglion giant synapse. Stanley EF. **J Neurosci** 1984 Jul; 4(7):1904-11

Divalent cations differentially support transmitter release at the squid giant synapse. Augustine GJ, et al. **J Physiol (Lond)** 1984 Jan;346:257-71

Exhaustion of calcium does not terminate evoked neurotransmitter release. Parnas H, et al. **J Theor Biol** 1984 Apr 7;107(3):345-65

Estimation of intrasynaptic norepinephrine concentrations at vascular neuroeffector junctions in vivo. Kopin IJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):298-305

Labelling of interneurones by retrograde transsynaptic transport of horseradish peroxidase from motoneurones in rats and cats. Harrison PJ, et al. **Neurosci Lett** 1984 Mar 9;45(1):15-9

Evidence that presynaptic beta-receptors account for the low affinity site in Schild plots for beta-adrenergic antagonists in the field stimulated rat vas deferens. Lotti VJ. **Neurosci Lett** 1983 Oct 31;41(1-2):195-7

Uptake and release of [3H]dopamine by the median eminence: evidence for presynaptic dopaminergic receptors and for dopaminergic feedback inhibition. Sarkar DK, et al. **Neuroscience** 1983 Nov;10(3):821-30

In vitro 14C-leucine incorporation into nonsynaptic and synaptic rat brain mitochondria isolated by Ficoll gradients. Paris-Vicente G, et al. **Rev Esp Fisiol** 1983 Dec; 39(4):399-407

The modulation of neurotransmitter release at synaptic junctions. Erulkar SD. **Rev Physiol Biochem Pharmacol** 1983;98:63-175 (524 ref.)

[Role of choline uptake by nerve endings in synaptic transmission] Kocherga VI. **Ukr Biokhim Zh** 1984 Jan-Feb; 56(1):97-109 (86 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Synaptic plasticity of the human cerebral cortex in hypoxia (a morphometric study)] Semchenko VV, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1038-42 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence for synaptic plasticity in the cerebellar cortex. Ito M. **Acta Morphol Hung** 1983;31(1-3):213-8

Cerebellar histogenesis and synaptic maturation following pre- and postnatal alcohol administration. An electron-microscopic investigation of the rat cerebellar cortex. Volk B. **Acta Neuropathol (Berl)** 1984;63(1):57-65

Heterosynaptic modulation of homosynaptic long-lasting potentiation in the hippocampal slice. Wigström H, et al. **Acta Physiol Scand** 1983 Dec;119(4):455-8

Synapse elimination and plasticity in developing human cerebral cortex. Huttenlocher PR. **Am J Ment Defic** 1984 Mar;88(5):488-96

Electrical properties and synaptic connections to neurons in parasympathetic colonic ganglia of the cat. Krier J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G52-61

Effects of injectable anaesthetics on responses to L-glutamate and on spontaneous synaptic activity in lamprey reticulo-spinal neurones. Cullen KD, et al. **Br J Pharmacol** 1984 Jul;82(3):659-66

Differences in synaptic transmission between medial and lateral components of the perforant path. Abraham WC, et al. **Brain Res** 1984 Jun 15;303(2):251-60

Modulation of action potential during the late slow excitatory postsynaptic potential in bullfrog sympathetic ganglia. Akasu T, et al. **Brain Res** 1983 Dec 5;280(2):349-54

Heterosynaptic facilitation and behavioral sensitization are inhibited by lowering endogenous cAMP in Aplysia. Belardetti F, et al. **Brain Res** 1983 Dec 12;288(1-2):95-104

Preservation of physical dimensions in a model of reactive synaptogenesis in the red nucleus. Bromberg MB, et al. **Brain Res** 1983 Oct 3;276(1):154-8

Postnatal rat neurons form apparent presynaptic elements on polylysine-coated beads in vivo. Burry RW. **Brain Res** 1983 Nov 14;278(1-2):236-9

Activation of brainstem serotoninergic pathways decreases homosynaptic depression of monosynaptic responses of frog spinal motoneurons. Cardona A, et al. **Brain Res** 1983 Dec 5;280(2):373-8

Excitatory and inhibitory effects of noradrenaline on synaptic transmission in the rat olfactory cortex slice. Collins GG, et al. **Brain Res** 1984 Mar 5;294(2):211-23

Synaptic remodelling during development and maturation: junction differentiation and splitting as a mechanism for modifying connectivity. Dyson SE, et al. **Brain Res** 1984 Mar;315(1):125-37

Excitatory projection of the rat subicular complex to the cingulate cortex and synaptic integration with thalamic afferents. Finch DM, et al. **Brain Res** 1984 May 28; 301(1):25-37

Voltage-dependence of synaptic time course reduces excitation at a diphasic synapse. Gardner D. **Brain Res** 1984 Jul 23;306(1-2):365-9

Do interneurones in lower lumbar segments contribute to the presynaptic depolarization of group I muscle afferents in Clarke's column? Harrison PJ, et al. **Brain Res** 1984 Mar 19;295(2):203-10

Temporal summation in rat prefrontal pyramidal cells. Differential effects of pre- and postsynaptic neurochemical manipulations. Hernandez A, et al. **Brain Res** 1983 Oct 3;276(1):195-9

Facilitation of synaptic transmission by prostaglandin D2 at synapses between NG108-15 hybrid and muscle cells. Higashida H, et al. **Brain Res** 1984 Mar 12;295(1):113-9

Synaptic actions of cutaneous A delta fibers on primate motoneurons. Hori Y, et al. **Brain Res** 1984 May 7; 299(1):195-9

On the origin of presynaptic depolarization of group I muscle afferents in Clarke's column in the cat. Jankowska E, et al. **Brain Res** 1984 Mar 19;295(2):195-201

The neuronal adhesion protein D2 in differentiating aggregates of brain cells. Jørgensen OS, et al. **Brain Res** 1984 May;316(1):41-9

Synaptic action of R beta neurons on phrenic motoneurons studied with spike-triggered averaging. Lipski J, et al. **Brain Res** 1983 Dec 12;288(1-2):105-18

Synaptic density and axonal sprouting in rat hippocampus: stability in adulthood and decline in late adulthood. McWilliams JR, et al. **Brain Res** 1984 Feb 27;294(1):152-6

Selective breeding for differences in cholinergic function: pre- and postsynaptic mechanisms involved in sensitivity to the anticholinesterase, DFP. Overstreet DH, et al. **Brain Res** 1984 Mar 5;294(2):327-32

Blockade of long-term potentiation by phencyclidine and sigma opiates in the hippocampus in vivo and in vitro. Stringer JL, et al. **Brain Res** 1983 Nov 28;280(1):127-38

Long-term potentiation as a candidate mnemonic device. Teyler TJ, et al. **Brain Res** 1984 Mar;319(1):15-28 (100 ref.)

Presynaptic, facilitatory effects of the corticosteroid dexamethasone in rat diaphragm: modulation by beta-bungarotoxin. Veldsema-Currie RD, et al. **Brain Res** 1984 Mar 5;294(2):315-25

Synaptic transmission in thoracic autonomic ganglia of the dog. Armour JA. **Can J Physiol Pharmacol** 1983 Aug; 61(8):793-801

Characteristics of postsynaptic alpha 1 and alpha 2 adrenergic receptors in canine vascular smooth muscle. Curro FA, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):893-904

Suprachiasmatic nucleus: numbers of synaptic appositions and various types of synapses. A morphometric study on male and female rats. Güldner FH. **Cell Tissue Res** 1984; 235(2):449-52

The fine structure of identified electrotonic synapses following increased coupling resistance. Hanna RB, et al. **Cell Tissue Res** 1984;235(2):243-9

Cytochemical and physiological properties of sensory and dorsal horn neurons that transmit cutaneous sensation. Dodd J, et al. **Cold Spring Harbor Symp Quant Biol** 1983; 48 Pt 2:685-95

Synapse formation by neuroblastoma hybrid cells. Nirenberg M, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:707-15

Molecular components of the synaptic basal lamina that direct differentiation of regenerating neuromuscular junctions. Nitkin RM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:653-65

What genes are necessary to make an identified synapse? Wyman RJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:641-52

Intracellular Ca2+ activity during slow synaptic hyperpolarizations in Helix pomatia. Christoffersen GR, et al. **Comp Biochem Physiol [C]** 1983;76(2):351-64

An anatomical and electrophysiological study of synapse elimination at the developing frog neuromuscular junction. Morrison-Graham K. **Dev Biol** 1983 Oct;99(2):298-311

Sprouting and regeneration of frog motoneurons during synapse elimination. Morrison-Graham K. **Dev Biol** 1983 Oct;99(2):312-7

Long term potentiation blocked by phencyclidine and cyclazocine in vitro. Stringer JL, et al. **Eur J Pharmacol** 1984 Mar 2;98(3-4):381-8

Peripheral and central control of flexor digitorum longus and flexor hallucis longus motoneurons: the synaptic basis of functional diversity. Fleshman JW, et al. **Exp Brain Res** 1984;54(1):133-49

Synaptic connexions between primary afferents and thoracic motoneurones in the frog. Shapovalov AI, et al. **Exp Brain Res** 1984;53(2):467-72

Supraoptic neurosecretory cells: synaptic inputs from the nucleus accumbens in the rat. Shibuki K. **Exp Brain Res** 1984;53(2):341-8

Origins of post synaptic potentials evoked in spiny neostriatal projection neurons by thalamic stimulation in the rat. Wilson CJ, et al. **Exp Brain Res** 1983;51(2):217-26

Ganglionic slow postsynaptic potentials and muscarinic asynchronous discharge in postganglionic nerve elicited by orthodromic stimulation. Ashe JH, et al. **Exp Neurol** 1983 Dec;82(3):635-49

Extra- and intracellular recordings from dorsal column postsynaptic spinomedullary neurons in the cat. Lu GW, et al. **Exp Neurol** 1983 Nov;82(2):456-77

Common synaptic connections to epileptic and normal neurons. Wyler AR. **Exp Neurol** 1984 Mar;83(3):664-7

Presynaptic alpha-receptor control of adrenergic transmitter release in blood vessels. Bevan JA, et al. **Fed Proc** 1984 Apr;43(5):1365-70 (40 ref.)

Peripheral presynaptic adrenoreceptor regulation of norepinephrine release in humans. FitzGerald GA. **Fed Proc** 1984 Apr;43(5):1379-81

Limitations of presynaptic theory: no support for feedback control of autonomic effectors. Kalsner S. **Fed Proc** 1984 Apr;43(5):1358-64 (25 ref.)

Controversial evidence regarding the functional importance of presynaptic alpha receptors. Robie NW. **Fed Proc** 1984 Apr;43(5):1371-4

Evidence that noradrenergic transmitter release is regulated by presynaptic receptors. Westfall TC. **Fed Proc** 1984 Apr; 43(5):1352-7 (55 ref.)

Postsynaptic alpha 2-adrenergic receptor-mediated vasoconstriction in SHR tail arteries in vitro. Hicks PE, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I12-8

Circadian rhythms in synaptic excitability of the dorsal lateral geniculate nucleus in the rat. Hanada Y, et al. **Int J Neurosci** 1984 Feb;22(3-4):253-61

A theory on the lability and stability of spinal motoneuron soma size and induction of synaptogenesis in the adult spinal cord. Krishnan RV. **Int J Neurosci** 1983 Nov; 21(3-4):279-92

Synaptic mechanisms and circuitry involved in motoneuron control during sleep. Chase MH. **Int Rev Neurobiol** 1983; 24:213-58 (57 ref.)

Pharmacology of barbiturates: electrophysiological and neurochemical studies. Willow M, et al. **Int Rev Neurobiol** 1983;24:15-49 (185 ref.)

Presynaptic neurotransmitter and chemosensory responses to natural stimuli. Pokorski M, et al. **J Appl Physiol** 1984 Feb; 56(2):447-53

Assessment of possible transneuronal changes in the retina of rats with inherited retinal dystrophy: cell size, number, synapses, and axonal transport by retinal ganglion cells.

Eisenfeld AJ, et al. **J Comp Neurol** 1984 Feb 10; 223(1):22–34

Effects of monocular deprivation on geniculocortical synapses in the cat. Tieman SB. **J Comp Neurol** 1984 Jan 10;222(2):166–76

Postsynaptic mechanism of withdrawal reflex sensitization in the snail. Balaban PM. **J Neurobiol** 1983 Sep;14(5):365–75

Retinal illumination produces synaptic inhibition of a neurosecretory organ in the crayfish, Pacifastacus leniusculus (Dana). Kirk MD, et al. **J Neurobiol** 1983 Nov; 14(6):473–80

Evidence for a presynaptic blockage of transmission in a temperature-sensitive mutant of Drosophila. Koenig JH, et al. **J Neurobiol** 1983 Nov;14(6):411–9

Muscarinic receptor during postnatal development of rat cerebellum: an index of cholinergic synapse formation? Mallol J, et al. **J Neurochem** 1984 Jun;42(6):1641–9

Electrophysiological evidence for crossed oligosynaptic trigemino-facial connections in normal man. Willer JC, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):87–90

Synaptic perturbation and entrainment of gastric mill rhythm of the spiny lobster. Ayers J, et al. **J Neurophysiol** 1984 Jan;51(1):113–25

Postsynaptic dorsal column pathway of the rat. I. Anatomical studies. Giesler GJ Jr, et al. **J Neurophysiol** 1984 Feb; 51(2):260–75

Synaptic organization of eighth nerve afferents to cat dorsal cochlear nucleus. Manis PB, et al. **J Neurophysiol** 1983 Nov;50(5):1156–81

Synaptic and mechanical coupling between type-identified motor units and individual spindle afferents of medial gastrocnemius muscle of the cat. Munson JB, et al. **J Neurophysiol** 1984 Jun;51(6):1268–83

Mechanoafferent neurons innervating tail of Aplysia. I. Response properties and synaptic connections. Walters ET, et al. **J Neurophysiol** 1983 Dec;50(6):1522–42

Pharmacology of the vestibular hair cell–afferent fiber synapse in the frog. Annoni JM, et al. **J Neurosci** 1984 Aug;4(8):2106–16

An electron microscopic study of the development of axons and dendrites by hippocampal neurons in culture. II. Synaptic relationships. Bartlett WP, et al. **J Neurosci** 1984 Aug;4(8):1954–65

Chemical and electrotonic connections between Aplysia neurons in primary culture. Bodmer R, et al. **J Neurosci** 1984 Jan;4(1):228–33

Identified Aplysia neurons form specific chemical synapses in culture. Camardo J, et al. **J Neurosci** 1983 Dec; 3(12):2614–20

A test of Hebb's postulate at identified synapses which mediate classical conditioning in Aplysia. Carew TJ, et al. **J Neurosci** 1984 May;4(5):1217–24

Quantitative features of synapse formation in the fly's visual system. I. The presynaptic photoreceptor terminal. Fröhlich A, et al. **J Neurosci** 1983 Nov;3(11):2336–49

Synaptic plasticity within the interpeduncular nucleus after unilateral lesions of the habenula in neonatal rats. Hamill GS, et al. **J Neurosci** 1983 Nov;3(11):2128–45

Regulation of efficacy at central synapses. Korn H, et al. **J Neurosci** 1984 Jan;4(1):125–30

Physiological evidence for specificity of synaptic connections between individual sensory and motor neurons in the brachial spinal cord of the bullfrog. Lichtman JW, et al. **J Neurosci** 1984 Jul;4(7):1745–53

Synaptic control of excitability in isolated dendrites of hippocampal neurons. Masukawa LM, et al. **J Neurosci** 1984 Jan;4(1):217–27

Strengthening of synaptic contacts of an excitatory axon on elimination of a second excitatory axon innervating the same target. Parnas I, et al. **J Neurosci** 1984 Jul; 4(7):1912–23

Demonstration of postsynaptic opioid modulation of thalamic projection neurons by the combined techniques of retrograde horseradish peroxidase and enkephalin immunocytochemistry. Ruda MA, et al. **J Neurosci** 1984 Aug;4(8):2117–32

Brain extract induces synaptic characteristics in the basal lamina of cultured myotubes. Sanes JR, et al. **J Neurosci** 1984 Feb;4(2):464–73

Sprouting and synapse formation produced by Carbocaine. Tal M, et al. **J Neurosci** 1984 Feb;4(2):458–63

Mutations altering synaptic connectivity between identified neurons in Drosophila. Thomas JB, et al. **J Neurosci** 1984 Feb;4(2):530–8

Quantal release of neurotransmitter: an iterative method for the automatic computation of binomial distribution parameters. Belluzzi O. **J Neurosci Methods** 1984 Jan; 10(1):41–50

Reversal potential of the end-plate currents and potassium feedback at the neuromuscular synapse. Matyushkin DP, et al. **J Neurosci Res** 1984;11(3):281–92

Development of synaptic transmission by cholinergic neurons in culture. Puro DG, et al. **J Neurosci Res** 1983; 10(3):241–50

Effects of several aminopyridines and analogs on the calcium dependence of synaptic transmission. Matsumoto M, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):573–8

Post-synaptic inhibition of bulbar inspiratory neurones in the cat. Ballantyne D, et al. **J Physiol (Lond)** 1984 Mar; 348:67–87

Increased sodium conductance in the synaptic region of rat skeletal muscle fibres. Betz WJ, et al. **J Physiol (Lond)** 1984 Jul;352:189–202

Post-synaptic potentials in a population of motoneurones following activity of single interneurones in the cat. Brink E, et al. **J Physiol (Lond)** 1983 Oct;343:341–59

Characterization of a slow cholinergic post-synaptic potential recorded in vitro from rat hippocampal pyramidal cells. Cole AE, et al. **J Physiol (Lond)** 1984 Jul;352:173–88

Interactions between the effects of adenosine and calcium on synaptic responses in rat hippocampus in vitro. Dunwiddie TV. **J Physiol (Lond)** 1984 May;350:545–59

Compartmental models of electrotonic structure and synaptic integration in an identified neurone. Edwards DH Jr, et al. **J Physiol (Lond)** 1984 Mar;348:89–113

Noradrenaline-mediated synaptic inhibition in rat locus coeruleus neurones. Egan TM, et al. **J Physiol (Lond)** 1983 Dec;345:477–88

Accurate regeneration of an electrical synapse between two leech neurones after destruction of the ensheathing glial cell. Elliott EJ, et al. **J Physiol (Lond)** 1983 Nov;344:243–55

The synaptic current evoked in cat spinal motoneurones by impulses in single group Ia axons. Finkel AS, et al. **J Physiol (Lond)** 1983 Sep;342:615–32

Development of sensory–motor synapses in the spinal cord of the frog. Frank E, et al. **J Physiol (Lond)** 1983 Oct; 343:593–610

Relation between structural and release parameters at the frog sensory–motor synapse. Grantyn R, et al. **J Physiol (Lond)** 1984 Apr;349:459–74

Influence of stretch-evoked synaptic potentials on firing probability of cat spinal motoneurones. Gustafsson B, et al. **J Physiol (Lond)** 1984 Feb;347:431–51

Synaptic activation of phasic bursting in rat supraoptic nucleus neurones recorded in hypothalamic slices. Hatton GI, et al. **J Physiol (Lond)** 1983 Dec;345:297–317

Simultaneously active and inactive synapses of single Ia fibres on cat spinal motoneurones. Henneman E, et al. **J Physiol (Lond)** 1984 Jul;352:147–61

Reduced activity during development delays the normal rearrangement of synapses in the rabbit ciliary ganglion. Jackson PC. **J Physiol (Lond)** 1983 Dec;345:319–27

On the two subdivisions and intrinsic synaptic connexions in the submandibular ganglion of the rat. Kawa K, et al. **J Physiol (Lond)** 1984 Jan;346:301–20

Progression of age changes in synaptic transmission at mouse neuromuscular junctions. Kelly SS, et al. **J Physiol (Lond)** 1983 Oct;343:375–83

Peptidergic and muscarinic excitation at amphibian sympathetic synapses. Kuffler SW, et al. **J Physiol (Lond)** 1983 Aug;341:257–78

Rearrangement of synapses on guinea-pig sympathetic ganglion cells after partial interruption of the preganglionic nerve. Maehlen J, et al. **J Physiol (Lond)** 1984 Mar; 348:43–56

Amplitude fluctuations in synaptic potentials evoked in cat spinal motoneurones at identified group Ia synapses. Redman S, et al. **J Physiol (Lond)** 1983 Oct;343:135–45

The time course of synaptic potentials evoked in cat spinal motoneurones at identified group Ia synapses. Redman S, et al. **J Physiol (Lond)** 1983 Oct;343:117–33

Motor unit size and synaptic competition in rat lumbrical muscles reinnervated by active and inactive motor axons. Ribchester RR, et al. **J Physiol (Lond)** 1983 Nov;344:89–111

Nerve growth and ectopic synapse formation induced by muscle damage in the frog. Sayers H, et al. **J Physiol (Lond)** 1984 Jul;352:319–26

Slow excitatory synaptic potentials recorded from neurones of guinea-pig submucous plexus. Surprenant A. **J Physiol (Lond)** 1984 Jun;351:343–61

Two types of neurones lacking synaptic input in the submucous plexus of guinea-pig small intestine. Surprenant A. **J Physiol (Lond)** 1984 Jun;351:363–78

Synaptic input from identified muscle afferents to neurones of the dorsal spinocerebellar tract in the cat. Tracey DJ, et al. **J Physiol (Lond)** 1984 May;350:599–614

Maintenance of cholinergic neurones and synapses in the ciliary ganglion of aged rats. Wigston DJ. **J Physiol (Lond)** 1983 Nov;344:223–31

Local neuronal circuits and integration. 7th GIF lecture in neurobiology. Gif-sur-Yvette, October 14–15th 1982. **J Physiol (Paris)** 1982–83;78(8):689–798

Functional role of dendritic spines. Perkel DH. **J Physiol (Paris)** 1982–83;78(8):695–9

Horizontal cells of turtle retina: a neurotransmitter control of electrical junctions? Piccolino M, et al. **J Physiol (Paris)** 1982–83;78(8):739–42

Physiological synaptic interactions mediated by potassium ions. Spira ME, et al. **J Physiol (Paris)** 1982–83; 78(8):689–94

Schizophrenia: caused by a fault in programmed synaptic elimination during adolescence? Feinberg I. **J Psychiatr Res** 1982–83;17(4):319–34

Minireview. Presynaptic receptors and alterations in norepinephrine release in spontaneously hypertensive rats. Lokhandwala MF, et al. **Life Sci** 1983 Oct 17; 33(16):1527–42 (131 ref.)

The galvanic nature of synapse and the physicochemical aspects of nerve action. Ghouri MS, et al. **Med Hypotheses** 1984 Apr;13(4):359–67

Asymmetric relationships between homosynaptic long-term potentiation and heterosynaptic long-term depression. Abraham WC, et al. **Nature** 1983 Oct 20–26; 305(5936):717–9

Adenosine mediates a slow hyperpolarizing synaptic potential in autonomic neurones. Akasu T, et al. **Nature** 1984 Sep 6–11;311(5981):62–5

Chronic benzodiazepine treatment decreases postsynaptic GABA sensitivity. Gallager DW, et al. **Nature** 1984 Mar 1–7;308(5954):74–7

Trophic factors and postsynaptic activity in synapse formation [news] Lømo T. **Nature** 1983 Oct 13–19; 305(5935):576

Postsynaptic densities clarified? [news] Shaw G. **Nature** 1984 Apr 5–11;308(5959):496

Fibre type composition of single motor units during synapse elimination in neonatal rat soleus muscle. Thompson WJ, et al. **Nature** 1984 Jun 21–27;309(5970):709–11

Staining of living presynaptic nerve terminals with selective fluorescent dyes. Yoshikami D, et al. **Nature** 1984 Jul 5–11; 310(5972):53–6

Synaptic and nonsynaptic transmission: a historical perspective. Florey E. **Neurochem Res** 1984 Mar; 9(3):413–27 (96 ref.)

Neurochemistry of synaptic transmission in the cerebral cortex. Krnjević K. **Neurochem Res** 1984 Mar;9(3):445–8

Postnatal changes in [3H]fucosyl glycoconjugates axonally transported into hamster optic nerve endings. Specht SC. **Neurochem Res** 1984 Jan;9(1):59–71

Monday morning with KAC Elliott: concepts of synaptic transmission. van Gelder NM. **Neurochem Res** 1984 Mar; 9(3):429–43

Mathematical model of synaptic facilitation and depression during and following repetitive stimulation. Sarrazin C. **Neurol Res** 1983;5(2):45–78

Acute sinoaortic denervation induces pre- and postsynaptic alpha-adrenergic subsensitivity in mesenteric arteries in the rat. Granata AR. **Neuropharmacology** 1984 May; 23(5):575–83

Morphological and functional changes in sensomotor cortical synapses during the summation reflex in rabbits. Ryabinina MA, et al. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):114–22

Postsynaptic potentials evoked in cat hindlimb motoneurons by C-fiber volleys. Endo K, et al. **Neurosci Lett** 1984 Feb 24;44(3):293–8

Electrophysiological properties of cortical synaptic inputs of rubro-spinal neurons. Fanardjian VV, et al. **Neurosci Lett** 1983 Oct 10;40(3):269–73

Presynaptic involvement in frequency facilitation in the hippocampal slice. Konnerth A, et al. **Neurosci Lett** 1983 Dec 11;42(3):255–60

Synapse formation and synaptic activity in mammalian nerve-muscle co-culture are not inhibited by antibodies to neural cell adhesion molecule L1. Mehrke G, et al. **Neurosci Lett** 1984 Feb 24;44(3):235–9

Evidence for presynaptic inhibition of muscle spindle Ia afferents in man. Morin C, et al. **Neurosci Lett** 1984 Feb 10;44(2):137–42

Excitatory and inhibitory synaptic inputs from the medial mesodiencephalic junction to vertical eye movement-related motoneurons in the cat oculomotor nucleus. Nakao S, et al. **Neurosci Lett** 1983 Dec 2; 42(2):125–30

Presynaptic dopaminergic control of high affinity glutamate uptake in the striatum. Nieoullon A, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):191–6

Presynaptic alpha 2- and dopamine-receptor-mediated inhibitory mechanisms and dopamine nerve terminals in the rat hypothalamus. Ueda H, et al. **Neurosci Lett** 1983 Sep 30;40(2):157–62

A possible correlate of the postsynaptic condition for long-lasting potentiation in the guinea pig hippocampus in vitro. Wigström H, et al. **Neurosci Lett** 1984 Feb 24; 44(3):327–32

Abstracts of the fourth meeting of the Australian Neuroscience Society. Canberra, Australia, February 8–10, 1984. **Neurosci Lett [Suppl]** 1984;15:S1–71

Excitatory synaptic potentials due to activation of neurons with short projections in the myenteric plexus. Bornstein JC, et al. **Neuroscience** 1984 Mar;11(3):723–31

Branched output neurons of the rat subthalamic nucleus: electrophysiological study of the synaptic effects on identified cells in the two main target nuclei, the entopeduncular nucleus and the substantia nigra. Hammond C, et al. **Neuroscience** 1983 Jul;9(3):511–20

Electrophoretic migration due to postsynaptic potential gradients: theory and application to autonomic ganglion neurons and to dendritic spines. Horwitz B. **Neuroscience** 1984 Jul;12(3):887–905

The synaptically evoked late hyperpolarisation in hippocampal CA1 pyramidal cells is resistant to intracellular EGTA. Lancaster B, et al. **Neuroscience** 1984 May;12(1):267–75

The striatal cholinergic interneuron: synaptic target of dopaminergic terminals? Lehmann J, et al. **Neuroscience** 1983 Dec;10(4):1105–20

Synaptology and sources of vasoactive intestinal polypeptide and substance P containing axons of the cat celiac ganglion. An experimental electron microscopic immunohistochemical study. Léránth C, et al. **Neuroscience** 1983 Nov;10(3):947–58

Patterns of synaptic contact upon individually labeled large cells of the dorsal lateral geniculate nucleus of the cat. Mason CA, et al. **Neuroscience** 1984 Feb;11(2):319–29

Attenuation of glutamate-action, excitatory postsynaptic

potentials, and spikes by intracellular QX 222 in hippocampal neurons. Puil E, et al. **Neuroscience** 1984 Feb; 11(2):389–98

Generation of respiratory activity by the lamprey brain exposed to picrotoxin and strychnine, and weak synaptic inhibition in motoneurons. Rovainen CM. **Neuroscience** 1983 Nov;10(3):875–82

Synaptic efficacy of inhibitory synapses in hypoglossal motoneurons after transection of the hypoglossal nerves. Takata M, et al. **Neuroscience** 1983 Sep;10(1):23–9

Synaptic input to vasopressin neurons of the paraventricular nucleus (PVN). Silverman AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:139–50

Graded or all-or-nothing release of transmitter quanta by local depolarizations of nerve terminals on crayfish muscle? Dudel J. **Pflugers Arch** 1983 Jul;398(2):155–64

Presynaptic currents in frog motor endings. Mallart A. **Pflugers Arch** 1984 Jan;400(1):8–13

Footshock-induced modification of a monosynaptic evoked potential in the hippocampus. Reymann KG, et al. **Physiol Behav** 1983 Nov;31(5):615–7

Modifiability of spinal synapses. Mendell LM. **Physiol Rev** 1984 Jan;64(1):260–324 (360 ref.)

Associative long-term potentiation in hippocampal slices. Barrionuevo G, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7347–51

Possible cellular basis for prolonged changes of synaptic efficiency—a simple case of learning. Andersen P. **Prog Brain Res** 1983;58:419–26

Excitability changes in hippocampal granule cells of senescent rat. Barnes CA, et al. **Prog Brain Res** 1983; 58:445–51

Roles for retrograde factors in synapse formation at the nerve-muscle junction. Henderson CE. **Prog Brain Res** 1983;58:369–73

Presynaptic interactions in the neurohypophysis: endogenous modulators of release. Pittman QJ, et al. **Prog Brain Res** 1983;60:319–32

A constraint on synaptic action in Aplysia: implications for nervous system organization. Segal MM. **Prog Brain Res** 1983;58:157–63

Hebb synaptic plasticity. Viana Di Prisco G. **Prog Neurobiol** 1984;22(2):89–102 (118 ref.)

Calcium-calmodulin systems in psychopharmacology and synaptic modulation. DeLorenzo RJ. **Psychopharmacol Bull** 1983;19(3):393–7

Cell biology of synaptic plasticity. Cotman CW, et al. **Science** 1984 Sep 21;225(4668):1287–94 (106 ref.)

Identification of presynaptic neurons by laser photostimulation. Farber IC, et al. **Science** 1983 Dec 2; 222(4627):1025–7

Identified interneurons produce both primary afferent depolarization and presynaptic inhibition. Kirk MD, et al. **Science** 1984 Aug 24;225(4664):854–6

Transformation of binomial input by the postsynaptic membrane at a central synapse. Korn H, et al. **Science** 1984 Sep 14;225(4667):1157–9

Modulation of synapse formation by cyclic adenosine monophosphate. Nirenberg M, et al. **Science** 1983 Nov 18; 222(4625):794–9 (56 ref.)

Identification of common interneurons mediating pre- and postsynaptic inhibition in the cat spinal cord. Solodkin M, et al. **Science** 1984 Jun 29;224(4656):1453–6

Mechanisms of synaptic transmission in the retina. Fain GL, et al. **Vision Res** 1983;23(11):1239–49 (98 ref.)

Electrical coupling between horizontal cell bodies in the tiger salamander retina. Skrzypek J. **Vision Res** 1984; 24(7):701–11

[Pharmacological studies on ganglionic synaptic transmission] Lian QS. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct; 14(4):338–42 **(Chi)**

[Development of synaptic responses and membrane conductances of neurons of intracerebellar nuclei in the rat] Gardette R, et al. **C R Seances Acad Sci [III]** 1983; 297(1):43–6 (Eng. Abstr.) **(Fre)**

[Effects of temperature on postsynaptic potentials at the cyto-neural junctions of the frog semicircular canal] Zucca G, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1010–5 (Eng. Abstr.) **(Ita)**

[The role of substance P and enkephalins in synaptic transmission] Konishi S. **Nippon Rinsho** 1983 May; 41(5):936–42 (36 ref.) **(Jpn)**

[Facilitation of adrenergic synaptic transmission, the possible role of presynaptic adrenoreceptors] Bazian AS. **Biofizika** 1984 May-Jun;29(3):470–2 (Eng. Abstr.) **(Rus)**

[Analysis of the role of presynaptic adrenoreceptors in adrenergic synaptic transmission] Bazian AS, et al. **Biofizika** 1983 Sep-Oct;28(5):858–62 (Eng. Abstr.) **(Rus)**

[A model of stochastic variations of postsynaptic activity] Sbitnev VI. **Biofizika** 1984 Jan-Feb;29(1):113–6 (Eng. Abstr.) **(Rus)**

[Ratio of the rate of end-plate current decay to the value of the quantum content and to previous synaptic activity] Magazanik LG, et al. **Dokl Akad Nauk SSSR** 1983; 271(2):489–92 **(Rus)**

[Effect of cold adaptation on th: transmission of excitation in a myoneural synapse] Belousova GP. **Fiziol Zh SSSR** 1984 Mar;70(3):326–30 (Eng. Abstr.) **(Rus)**

[Electrophysiological and morphological study of the synaptic organization of the tonic muscle fibers in the frog] Blokhina GI, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):157–65 (Eng. Abstr.) **(Rus)**

[Reverse transsynaptic regulation of noradrenaline-H3 uptake in chronic sympathetic denervation] Kurbanova GD, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1164–9 (Eng. Abstr.) **(Rus)**

[Monosynaptic excitation of the motor neurons of the nucleus of the facial nerve induced by stimulation of brainstem structures] Manvelian LR, et al. **Fiziol Zh SSSR** 1983 Sep; 69(9):1151–6 (Eng. Abstr.) **(Rus)**

[Antidromic electrical activity of the motor endings of the neuromuscular synapses in rats during acetylcholinesterase inhibition] Serdiuchenko IIa. **Fiziol Zh SSSR** 1984 Feb; 70(2):166–72 (Eng. Abstr.) **(Rus)**

[Synaptic effects evoked in the spinal cord motor neurons of the frog by adequate stimulation of muscle spindles] Shiriaev BI. **Fiziol Zh SSSR** 1983 Sep;69(9):1157–63 (Eng. Abstr.) **(Rus)**

[Changes in RNA synthesis in neurons depending on the intensity of their synaptic activity] Darinskil IuA, et al. **Tsitologiia** 1983 Sep;25(9):1066–72 (10 ref.) (Eng. Abstr.) **(Rus)**

[Model of transmitter release and analysis of synaptic plasticity] Voronin LL, et al. **Usp Fiziol Nauk** 1984 Apr-Jun;15(2):86–110 (72 ref.) **(Rus)**

[Types of synaptic connections between neurons and their evolution] Shapovalov AI. **Zh Evol Biokhim Fiziol** 1983 Jul-Aug;19(4):341–50 (17 ref.) **(Rus)**

[Comparative analysis of the statistical parameters of synaptic transmission of central neurons in the snail Helix lucorum and in the rabbit] Voronin LL, et al. **Zh Evol Biokhim Fiziol** 1983 Jul-Aug;19(4):359–68 (Eng. Abstr.) **(Rus)**

[Functional analysis of the 1st synapse of the visual pathway in tetrapods] Gallego Fernández A. **An R Acad Nac Med (Madr)** 1983;100(2):305–32 **(Spa)**

RADIATION EFFECTS

Synaptic plasticity in the cerebral cortex of mice: effects of radiation and anesthesia. D'Amelio FE, et al. **J Hirnforsch** 1983;24(5):479–83

ULTRASTRUCTURE

Identification of eight types of synapses in the pallidum externum and internum in squirrel monkey (Saimiri sciureus). Hassler R, et al. **Acta Anat (Basel)** 1984; 118(2):65–81

Formation of new synaptic contacts by Purkinje axon collaterals in the granular layer of deafferented cerebellar cortex of adult rat. Hámori J, et al. **Acta Biol Hung** 1983; 34(2-3):163–76

Early synaptogenesis in the spinal cord of human embryos. Milokhin AA. **Acta Biol Hung** 1983;34(2-3):231–45

Quantitative aspects in the analysis of the synaptic architecture of thalamic sensory relay nuclei. Tömböl T, et al. **Acta Biol Hung** 1983;34(2-3):275–301

EM study of the numbers of cortical synapses in the brains of ageing people and people with Alzheimer-type dementia. Gibson PH. **Acta Neuropathol (Berl)** 1983; 62(1-2):127–33

Cerebral ischemia in the rat: ultrastructural and morphometric analysis of synapses in stratum radiatum of the hippocampal CA-1 region. von Lubitz DK, et al. **Acta Neuropathol (Berl)** 1983;61(1):52–60

Ultrastructural changes of synapses in the frog spinal cord during hypothermia. Vodvářka P, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:53–62

Synaptic structures of the human vestibular ganglion. Kitamura K, et al. **Adv Otorhinolaryngol** 1983;31:118–34

Diurnal variations in the photoreceptor synaptic terminals of the newt retina. Ball AK, et al. **Am J Anat** 1983 Nov; 168(3):305–20

'Synaptic' ribbons and spherules of the guinea pig pineal gland: inverse day/night differences in number. Vollrath L, et al. **Am J Anat** 1983 Sep;168(1):67–74

Cytodifferentiation and synaptogenesis in the neostriatum of fetal and neonatal rhesus monkeys. Brand S, et al. **Anat Embryol (Berl)** 1984;169(1):21–34

Quantitative studies on regional differences in Purkinje cell dendritic spines and parallel fiber synaptic density. Heinsen H, et al. **Anat Embryol (Berl)** 1983;168(3):361–70

The median and lateral substantia gelatinosa in the cervical cord of the musk shrew (Suncus murinus) and its synaptic composition. Sugiura Y, et al. **Anat Embryol (Berl)** 1984; 170(1):21–8

Catecholamine synapses and contents in the paraventricular hypothalamic nucleus and nucleus tractus solitarius of DOCA-salt hypertensive rats. Hwang BH, et al. **Anat Rec** 1984 Aug;209(4):553–63

Recent perspectives on the organization of central synapses. Jones DG. **Anesth Analg** 1983 Dec;62(12):1100–12

Incidence of reciprocal synapses on outer hair cells of the human organ of Corti. Nadol JB Jr. **Ann Otol Rhinol Laryngol** 1984 May-Jun;93(3 Pt 1):247–50

Synaptic arrangements in the ventral posterolateral nucleus of the squirrel. Wells J, et al. **Brain Behav Evol** 1983; 22(4):165–74

Relative slowness of heterotypic synaptogenesis in the septal nuclei. Field PM, et al. **Brain Res** 1983 Aug 1;272(1):83–99

An ultrastructural study of presynaptic membrane specializations in sympathetic ganglia of 4-aminopyridine treated guinea pigs and rats. Forsman CA, et al. **Brain Res** 1983 Dec 5;280(2):355–60

Synaptic junctions isolated from cerebellum and forebrain: comparisons of morphological and molecular properties. Groswald DE, et al. **Brain Res** 1983 Nov 14;278(1-2):63–80

Reciprocal relationship between size of postsynaptic densities and their number: constancy in contact area. Hillman DE, et al. **Brain Res** 1984 Mar 19;295(2):325–43

Axon initial segments of the granule cell in the rat dentate gyrus: synaptic contacts on bundles of axon initial segments. Kosaka T. **Brain Res** 1983 Sep 5;274(1):129–34

The fine structure of the caudal periaqueductal gray of the cat: morphology and synaptic organization of normal and immunoreactive enkephalin-labeled profiles. Moss MS, et al. **Brain Res** 1983 Dec 19;289(1-2):27–43

Capsaicin causes selective damage to type I synaptic glomeruli in rat substantia gelatinosa. Ribeiro-da-Silva A, et al. **Brain Res** 1984 Jan 9;290(2):380–3

Variations in presynaptic grid size in the granular and molecular layer of the cerebellar cortex of the cat. I. A quantitative ultrastructural study on semithin E-PTA sections. van der Want JJ, et al. **Brain Res** 1984 Jul 30; 307(1-2):247–54

Synaptic organization of a multifunctional interneuron in the central nervous system of Helix pomatia L. Elekes K, et al. **Cell Tissue Res** 1984;236(3):677–83

Projection and connectivity of sex-specific photoreceptors in the compound eye of the male housefly (Musca domestica). Hardie RC. **Cell Tissue Res** 1983;233(1):1–21

Pattern of synaptic connections in the pineal organ of the ayu, Plecoglossus altivelis (Teleostei). Omura Y. **Cell Tissue Res** 1984;236(3):611–7

Light-related changes in electron-dense material in photoreceptor synaptic clefts of the frog, Rana catesbeiana. Tsukamoto Y. **Cell Tissue Res** 1983;234(3):579–93

Morphometric synaptology of a whole neuron profile using a semiautomatic interactive computer system. Saito K, et al. **Cytometry** 1983 Jul;4(1):20–30

Axo-axonic synapses in the rat striatum. Kornhuber J, et al. **Eur Neurol** 1983;22(6):433–6

Neuron morphology and synaptic architecture in the medial superior olivary nucleus. Light- and electron microscope studies in the cat. Kiss A, et al. **Exp Brain Res** 1983; 52(3):315–27

Male-female differences in the intra-amygdaloid input to the medial amygdala. Nishizuka M, et al. **Exp Brain Res** 1983; 52(3):328–32

Synaptic reorganization in the lateral geniculate nucleus of the adult cat following chronic decortication. Somogyi J, et al. **Exp Brain Res** 1984;54(3):485–98

Fine structure of the synaptic endings between sympathetic axons and skeletal muscle cells and of the varicosities in the bundles of neurites in tissue culture. Kobayashi T, et al. **Exp Neurol** 1984 Jul;85(1):187–201

Synaptic density in chronic animals with experimental neurofibrillary changes. Uemura E, et al. **Exp Neurol** 1984 Jul;85(1):1–9

Ultrastructure of synaptic junctions in dog cerebral cortex treated by the E-PTA method. Pomfy M, et al. **Folia Morphol (Praha)** 1984;32(1):34–9

Ultrastructural changes in synapses of the frog's spinal cord during hypothermia. Vodvářka J, et al. **Folia Morphol (Praha)** 1983;31(4):404–6

Cytoplasmic organization in cerebellar dendritic spines. Landis DM, et al. **J Cell Biol** 1983 Oct;97(4):1169–78

Asymmetric distribution of gap junctions amongst identified photoreceptor axons of Lucilia cuprina (Diptera). Shaw SR. **J Cell Sci** 1984 Mar;66:65–80

Axoaxonal synapse location and consequences for presynaptic inhibition in crustacean motor axon terminals. Atwood HL, et al. **J Comp Neurol** 1984 May 1;225(1):64–74

The morphology of dorsal column postsynaptic spinomedullary neurons in the cat. Bennett GJ, et al. **J Comp Neurol** 1984 Apr 20;224(4):568–78

Structure of the piriform cortex of the opossum. III. Ultrastructural characterization of synaptic terminals of association and olfactory bulb afferent fibers. Haberly L, et al. **J Comp Neurol** 1983 Oct 1;219(4):448–60

Ultrastructural correlates of electrical-chemical synaptic transmission in goldfish cranial motor nuclei. Hackett JT, et al. **J Comp Neurol** 1984 Apr 10;224(3):425–36

Differentiation of cerebellar mossy fiber synapses in the rat: a quantitative electron microscope study. Hámori J, et al. **J Comp Neurol** 1983 Nov 10;220(4):365–77

Computer-assisted analyses of barrel neuron axons and their putative synaptic contacts. Harris RM, et al. **J Comp Neurol** 1983 Oct 10;220(1):63–79

Synaptic contacts of somatostatin-immunoreactive amacrine cells in goldfish retina. Marshak DW, et al. **J Comp Neurol** 1984 May 1;225(1):44–52

Retinal synapses of the cat medial interlaminar nucleus and ventral lateral geniculate nucleus differ in size and synaptic organization. Mize RR, et al. **J Comp Neurol** 1984 Apr 20;224(4):579–90

Serotoninergic terminals: ultrastructure and synaptic interaction with catecholamine-containing neurons in the medial nuclei of the solitary tracts. Pickel VM, et al. **J Comp Neurol** 1984 May 10;225(2):291–301

Synaptology of retinal terminals in the dorsal lateral geniculate nucleus of the cat. Rapisardi SC, et al. **J Comp Neurol** 1984 Mar 10;223(4):515–34

Synaptic contacts between bipolar and photoreceptor cells in the retina of Callionymus lyra L. Van Haesendonck E,

et al. **J Comp Neurol** 1984 Mar 1;223(3):387–99
Ultrastructural features of the synapses of the periaqueductal gray matter (PAG) of the cat. Bianchi R, et al. **J Hirnforsch** 1984;25(3):275–83
The complex-shaped 'perforated' synapse, a problem in quantitative stereology of the brain. De Groot DM, et al. **J Microsc** 1983 Sep;131 (Pt 3):355–60
The formation and maturation of synapses in the visual cortex of the rat. II. Quantitative analysis. Blue ME, et al. **J Neurocytol** 1983 Aug;12(4):697–712
The formation and maturation of synapses in the visual cortex of the rat. I. Qualitative analysis. Blue ME, et al. **J Neurocytol** 1983 Aug;12(4):599–616
The ultrastructure and synaptic architecture of phrenic motor neurons in the spinal cord of the adult rat. Goshgarian HG, et al. **J Neurocytol** 1984 Feb;13(1):85–109
Synaptic organization of immunocytochemically identified GABA neurons in the monkey sensory-motor cortex. Hendry SH, et al. **J Neurocytol** 1983 Aug;12(4):639–60
Synaptic vesicles and the nerve-muscle preparation in resinless sections. Ross-Canada J, et al. **J Neurocytol** 1983 Oct;12(5):817–30
Motoneuron axosomatic synapses are altered in axonopathy. Sterman AB, et al. **J Neuropathol Exp Neurol** 1984 Mar; 43(2):201–9
Morphology and synaptic relationships of physiologically identified low-threshold dorsal root axons stained with intra-axonal horseradish peroxidase in the cat and monkey. Ralston HJ 3d, et al. **J Neurophysiol** 1984 Apr;51(4):777–92
Immunocytochemical localization of glutamic acid decarboxylase in normal and deafferented superior colliculus: evidence for reorganization of gamma-aminobutyric acid synapses. Houser CR, et al. **J Neurosci** 1983 Oct;3(10):2030–42
Anatomical basis of specific connections between sensory axons and motor neurons in the brachial spinal cord of the bullfrog. Lichtman JW, et al. **J Neurosci** 1984 Jul; 4(7):1754–63
A microcomputer system for measuring neuron properties from digitized images. Mize RR. **J Neurosci Methods** 1983 Oct;9(2):105–13
Evidence for an organized lattice in the intercellular space of vestibular sensory cat epithelia. Favre D, et al. **J Neurosci Res** 1984;11(3):293–301
Synapse formation among developing sensory neurones from rat nodose ganglia grown in tissue culture. Cooper E. **J Physiol (Lond)** 1984 Jun;351:263–74
Tracing of frog sensory-motor synapses by intracellular injection of horseradish peroxidase. Grantyn R, et al. **J Physiol (Lond)** 1984 Apr;349:441–58
The number of synaptic boutons terminating on Xenopus cardiac ganglion cells is directly correlated with cell size. Sargent PB. **J Physiol (Lond)** 1983 Oct;343:85–104
Synaptic organization in the teleost olfactory bulb. Kosaka T, et al. **J Physiol (Paris)** 1982–83;78(8):707–19
Fine structure of synapses of the central nervous system in resinless sections. Cohen RS, et al. **J Submicrosc Cytol** 1983 Oct;15(4):849–63
Thin section and freeze-fracture studies on the synapses in the ventral nucleus of the cat medial geniculate body. Tatsuoka H, et al. **J Submicrosc Cytol** 1984 Jul;16(3):431–45
Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90
Effect of chronic vitamin E deficiency on the synapses of cerebellar glomeruli in young rats. Bertoni-Freddari C, et al. **Mech Ageing Dev** 1984 Feb;24(2):225–32
Demonstration of connections between proopiomelanocortin neurons in the rat hypothalamus. Chen YY, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):271–6
Ultrastructural studies on synaptic formations in dissociated fetal mouse brain cultures. Fukatsu R, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):127–30
An electron microscopic study of the direct spino-olivary projection to the inferior olivary nucleus in the rat. Gwyn DG, et al. **Neurosci Lett** 1983 Dec 11;42(3):243–8
Synaptogenesis in the chick cervical cord and possible initial central pathways from dorsal root fibers to motor neurons—Golgi and electron microscopic studies. Kanemitsu A, et al. **Neurosci Lett** 1984 Jul 13;48(1):1–6
Endplate postsynaptic structure dependent upon muscle activity. Pachter BR, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):277–83
The maturation of post-synaptic densities in chicken forebrain. Rostas JA, et al. **Neurosci Lett** 1984 Apr 6; 45(3):297–304
Isolation of postsynaptic densities retaining their membrane attachment. Ratner N, et al. **Neuroscience** 1983 Jul; 9(3):631–44
The section-Golgi impregnation procedure. 2. Immunocytochemical demonstration of glutamate decarboxylase in Golgi-impregnated neurons and in their afferent synaptic boutons in the visual cortex of the cat. Somogyi P, et al. **Neuroscience** 1983 Jul;9(3):475–90
Synaptic connections of morphologically identified and physiologically characterized large basket cells in the striate cortex of cat. Somogyi P, et al. **Neuroscience** 1983 Oct;10(2):261–94
Nigral and cerebellar synaptic terminals in the intermediate and deep layers of the cat superior colliculus revealed by lesioning studies. Warton S, et al. **Neuroscience** 1983 Nov; 10(3):789–800
Fine structural morphology of identified X- and Y-cells in the cat's lateral geniculate nucleus. Wilson JR, et al. **Proc R Soc Lond [Biol]** 1984 Jun 22;221(1225):411–36
Perioral synaptic connections and their possible role in the feeding behavior of Hydra. Westfall JA, et al. **Tissue Cell** 1984;16(3):355–65
Quantitative analysis of synaptic morphology of nucleus gracilis of dog. Gavelová M, et al. **Z Mikrosk Anat Forsch** 1984;98(2):277–83
[Synaptological study of ventral horn cells in amyotrophic lateral sclerosis] Iwasaki Y. **Rinsho Shinkeigaku** 1984 Feb; 24(2):205–13 (Eng. Abstr.) **(Jpn)**
[Nonsynaptic interneuronal contacts in the cerebral cortex] Babmindra VP. **Arkh Anat Gistol Embriol** 1983 Oct; 85(10):5–16 (65 ref.) **(Rus)**
[Ultrastructure of the synapses of the initial axonal segment of the pyramidal neuron] Bragina TA. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):17–24 (Eng. Abstr.) **(Rus)**
[Axospinal synapses in the forebrain cortex of aquatic and terrestrial turtles] Davydova TV, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):33–43 (Eng. Abstr.) **(Rus)**
[Morphological characteristics of various segments of local connections in the rat somatosensory cortex] Ponomareva EV. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):24–30 (Eng. Abstr.) **(Rus)**
[Formation of intricate synaptic complexes in cultures of dissociated spinal cord and spinal ganglia cells] Skibo GG, et al. **Dokl Akad Nauk SSSR** 1984;276(3):729–31 **(Rus)**
[Ultrastructural characteristics of synaptogenesis in monolayer cultures of spinal cord] Skibo GG, et al. **Neirofiziologiia** 1984;16(3):336–43 (Eng. Abstr.) **(Rus)**

SYNAPTIC MEMBRANES

ANALYSIS

Separation of synaptic junctional complexes from thin layers of rabbit cerebral cortex. Orosz A, et al. **Acta Biol Hung** 1983;34(1):63–71
Immunochemical and molecular differentiation of 43 000 molecular weight proteins associated with Torpedo neuroelectrocyte synapses. Gysin R, et al. **Biochemistry** 1983 Dec 6;22(25):5781–9
Peripheral proteins of postsynaptic membranes from Torpedo electric organ identified with monoclonal antibodies. Froehner SC. **J Cell Biol** 1984 Jul;99(1 Pt 1):88–96

DRUG EFFECTS

Brain membrane sensitivity to ethanol during development of functional tolerance to ethanol in rats. Beaugé F, et al. **Alcoholism (NY)** 1984 Mar–Apr;8(2):167–71
Effect of histrionicotoxin on ion channels in synaptic and conducting membranes of electroplax of Electrophorus electricus. Bartels-Bernal E, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):203–12
Pre- and postsynaptic effects of dopamine antagonists on dopaminergic synaptic transmission in Helix pomatia. Juel C. **Comp Biochem Physiol [C]** 1983;76(1):203–8
Stimulation and inhibition by magnesium ions of intrinsic protein phosphorylating systems in synaptosomal membrane fragments from rat brain. Rodnight R, et al. **Neurochem Res** 1983 Nov;8(11):1441–9
Single synaptic channels recorded at glutamate sensitive patches on a crayfish muscle. Franke C, et al. **Neurosci Lett** 1983 Nov 21;42(1):7–12
Alpha-latrotoxin and glycerotoxin differ in target specificity and in the mechanism of their neurotransmitter releasing action. Madeddu L, et al. **Neuroscience** 1984 Jul; 12(3):939–49
Brain membrane disordering by administration of a single ethanol dose. Fleuret-Balter C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:25–9
Chronic ethanol treatment affects synaptosomal membrane-bound enzymes. Guerri C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:45–50
ESR measurements on the effects of ethanol on the lipid and protein conformation in biological membranes. Logan BJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:31–5
Ethanol effects on synaptic glutamate receptors and on liposomal membrane structure. Michaelis EK, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:197–202
Alcohol effects on synaptic membrane calcium ion fluxes. Michaelis ML, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:19–23
Changes in cortical synaptosomal plasma membrane fluidity and composition in ethanol-dependent rats. Crews FT, et al. **Psychopharmacology (Berlin)** 1983;81(3):208–13
Alcohol effects on cell membranes. Alling C. **Subst Alcohol Actions Misuse** 1983;4(2–3):67–72

ENZYMOLOGY

Separation and properties of a regulatory GTPase activity associated with the adenylate cyclase system in rat brain synaptic plasma membranes. Enomoto K, et al. **Biochem Int** 1983 Jan;6(1):81–91
Effects of ethanol and barbiturates on Ca2+-ATPase activity of erythrocyte and brain membranes. Yamamoto HA, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2787–91
Calcium transport in and out of brain nerve endings in vitro—the role of synaptosomal plasma membrane Ca2+-ATPase in Ca2+-extrusion. Lin SC, et al. **Brain Res** 1984 Apr 30;298(2):225–34
Thyroxine regulates the activity and the concentration of synaptic plasma membrane Na,K-ATPase in the developing rat brain cortex. Lindholm DB. **Brain Res** 1984 Jul;317(1):83–8
Regulation of endogenous calcium-dependent synaptic membrane phospholipase A2. Moskowitz N, et al. **Brain Res** 1984 Jan 9;290(2):273–9
Purification and characterization of ATP-dependent calcium pumps from synaptosomes. Goldin SM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:287–95
Functional importance of the synaptic plasma membrane calcium pump and sodium-calcium exchanger. Gill DL, et al. **J Biol Chem** 1984 Sep 10;259(17):10807–13
Functional significance of the effects of neurotransmitters on the Na+,K+-ATPase system. Kometiani ZP, et al. **J Neurochem** 1984 May;42(5):1246–50
Neurone-specific enolase and creatine phosphokinase are protein components of rat brain synaptic plasma membranes. Lim L, et al. **J Neurochem** 1983 Oct; 41(4):1177–82
5'-Nucleotidase from bovine caudate nucleus synaptic plasma membranes: specificity for substrates and cations; study of the carbohydrate moiety by glycosidases. Meflah K, et al. **J Neurochem** 1984 Apr;42(4):1107–15
Purification from synaptosomal plasma membranes of calpain I, a thiol protease activated by micromolar calcium concentrations. Siman R, et al. **J Neurochem** 1983 Oct; 41(4):950–6
Activation of adenylyl cyclase by preincubation of rat cerebral-cortical membranes under phosphorylating conditions: role of ATP, GTP, and divalent cations. Whittemore SR, et al. **J Neurochem** 1984 Jun;42(6):1685–96
Partial purification and functional identification of a calmodulin-activated, adenosine 5'-triphosphate-dependent calcium pump from synaptic plasma membranes. Papazian DM, et al. **J Neurosci** 1984 Aug;4(8):1933–43
Age-dependent alterations in synaptic membrane systems for Ca2+ regulation. Michaelis ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):215–25
Endogenous protein phosphorylation in chick and rat brain synaptic membranes. Sorensen RG, et al. **Neuroscience** 1983 Dec;10(4):1497–512
Cholecystokinin octa- and tetrapeptide degradation by synaptic membranes. III. Inactivation of CCK-8 by a phosphoramidon-sensitive endopeptidase. Deschodt-Lanckman M, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):649–51
Biochemical and immunochemical evidence that the 'major postsynaptic density protein' is a subunit of a calmodulin-dependent protein kinase. Kennedy MB, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7357–61

IMMUNOLOGY

Identification and localization of concanavalin A binding sites on isolated postsynaptic densities. Gurd JW, et al. **Brain Res** 1983 Oct 3;276(1):141–6
Retrograde axonal transport of antibodies to synaptic membrane components. Wenthold RJ, et al. **Brain Res** 1984 Jun 18;304(1):162–5
Surface antigens of brain synapses: identification of minor proteins using polyclonal antisera. Matus A, et al. **J Cell Biol** 1984 Jan;98(1):237–45

METABOLISM

Synaptosomal T3 binding sites in rat brain: their localization on synaptic membrane and regional distribution. Mashio Y, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):134–8
A spin label study on the effect of dibutyryl cyclic AMP on synaptic plasma membranes isolated from rat brain. Heinonen E, et al. **Acta Physiol Scand** 1983;119(2):135–8
Maximal turnover number of the membranal serotonin carrier in rat brain synaptosomes in vitro. Ross SB, et al. **Acta Physiol Scand** 1983 Jun;118(2):185–7
L-glutamate receptor populations in synaptic membranes: effects of ions and pharmacological characteristics. Fagg GE, et al. **Adv Biochem Psychopharmacol** 1983;37:199–209
Binding of taurine to brain synaptic membranes. Kontro P, et al. **Adv Biochem Psychopharmacol** 1983;37:23–34
The glycoprotein nature of solubilized muscarinic acetylcholine receptors from bovine cerebral cortex. Shirakawa O, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):814–9
Identification and characterisation of L-[3H]aspartate binding sites on rat spinal cord synaptic membranes. Butcher SP, et al. **Biochem Pharmacol** 1984 Aug 1; 33(15):2439–45
Phosphorylation of brain synaptosomal proteins in lithium-treated rats. Vatal M, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):829–31
Depolarization-induced release of L-glutamic acid from isolated-resealed synaptic membrane vesicles. Chang HH, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):499–504
Protein-mediated exchange of synthetic phosphatidylcholines into synaptosomal membranes. North P, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):65–76

The asymmetric effect of lanthanides on Na+-gradient-dependent Ca2+ transport in synaptic plasma membrane vesicles. Rahamimoff H, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):279–89

Characterization of the binding of DL-[3H]-2-amino-4-phosphonobutyrate to L-glutamate-sensitive sites on rat brain synaptic membranes. Butcher SP, et al. **Br J Pharmacol** 1983 Oct; 80(2):355–64

Specific binding of tritiated neurotensin to rat brain membranes: characterization and regional distribution. Goedert M, et al. **Brain Res** 1984 Jun 18;304(1):71–81

Specific binding of alpha-bungarotoxin to synaptic membranes in rat sympathetic ganglion: computer best-fit analysis of electron microscope radioautographs. Smolen AJ. **Brain Res** 1983 Dec 19;289(1–2):177–88

Enhancement of gamma-aminobutyric acid (GABA) receptor binding by lipophilic antioxidants. Takahashi M, et al. **Brain Res** 1984 Mar 26;296(1):164–7

Proteolytic conversion of arginine-vasotocin by synaptic membranes from rat and chicken brain. Wang XC, et al. **Brain Res** 1983 Sep 19;275(1):83–90

Synergistic inhibition of [3H]muscimol binding to calf-brain synaptic membranes in the presence of L-homocysteine and pyridoxal 5'-phosphate. A possible mechanism for homocysteine-induced seizures. Griffiths R, et al. **Eur J Biochem** 1983 Dec 15;137(3):467–78

Comparison of Clostridium botulinum toxins type D and C1 in molecular property, antigenicity and binding ability to rat-brain synaptosomes. Murayama S, et al. **Eur J Biochem** 1984 Aug 1;142(3):487–92

Molecular properties of the apamin-binding component of the Ca2+-dependent K+ channel. Radiation-inactivation, affinity labelling and solubilization. Schmid-Antomarchi H, et al. **Eur J Biochem** 1984 Jul 2;142(1):1–6

Barbiturate shift as a tool for determination of efficacy of benzodiazepine-receptor ligands. Honoré T, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):103–7

Identification by cross-linking of a neuronal acceptor protein for dendrotoxin, a convulsant polypeptide. Mehraban F, et al. **FEBS Lett** 1984 Aug 20;174(1):116–22

Changes in glutamate receptors on synaptic membranes associated with hepatic encephalopathy or hyperammonemia in the rabbit. Ferenci P, et al. **Hepatology** 1984 Jan–Feb;4(1):25–9

A simple and sensitive procedure for measuring isotope fluxes through ion-specific channels in heterogenous populations of membrane vesicles. Garty H, et al. **J Biol Chem** 1983 Nov 10;258(21):13094–9

Membrane lipid response to clathrin coat protein determined by infrared spectroscopy. Possible involvement in coated vesicle formation. Steer CJ, et al. **J Biol Chem** 1984 Jul 10;259(13):8052–5

Is acetylation of protein involved in membrane function? Berl S, et al. **J Neural Transm [Suppl]** 1983;19:105–19

Ionic regulation of the binding of DL-[3H]2-amino-4-phosphonobutyrate to L-glutamate-sensitive sites on rat brain membranes. Butcher SP, et al. **J Neurochem** 1984 Oct;43(4):1039–45

Characterization of Na+-independent GABA and flunitrazepam binding sites in preparations of synaptic membranes and postsynaptic densities isolated from canine cerebral cortex and cerebellum. Carlin RK, et al. **J Neurochem** 1984 Oct;43(4):1011–7

Effect of denervation on a cholinergic-specific ganglioside antigen (Chol-1) present in Torpedo electromotor presynaptic plasma membranes. Ferretti P, et al. **J Neurochem** 1984 Apr;42(4):1085–93

Inhibition of GABAB receptor binding by guanyl nucleotides. Hill DR, et al. **J Neurochem** 1984 Mar; 42(3):652–7

Alterations of amino acid transmitter systems in spinal cords of chronic paraplegic dogs. McBride WJ, et al. **J Neurochem** 1984 Jun;42(6):1625–31

Decreased high-affinity binding of [3H]muscimol to cerebral synaptic membranes of scrapie-infected mice. Quinn MR, et al. **J Neurochem** 1984 Jan;42(1):290–3

Microsomal opiate receptors: characterization of smooth microsomal and synaptic membrane opiate receptors. Roth BL, et al. **J Neurochem** 1984 Jun;42(6):1677–84

Glutamine, glutamate, and other possible regulators of alpha-ketoglutarate and malate uptake by synaptic terminals. Shank RP, et al. **J Neurochem** 1984 Apr; 42(4):1162–9

Sodium ions regulate a specific population of acidic amino acid receptors in synaptic membranes. Fagg GE, et al. **Life Sci** 1984 Apr 30;34(18):1739–45

Use of a nonspecific lipid transfer protein to modify the cholesterol content of synaptic membranes. North P, et al. **Methods Enzymol** 1983;98:599–613

Physical properties and lipid composition of brain membranes from ethanol tolerant-dependent mice. Harris RA, et al. **Mol Pharmacol** 1984 May;25(3):401–9

Modulation by calcium of gamma-aminobutyric acid (GABA) binding to GABAA and GABAB recognition sites in rat brain. Involvement of different mechanisms. Majewska MD, et al. **Mol Pharmacol** 1984 May;25(3):352–9

Effects of in vivo ethanol administration on Ca2+/Mg2+ ATPase and ATP-dependent Ca2+ uptake activity in synaptosomal membranes. Garrett KM, et al. **Neurochem Res** 1983 Aug;8(8):1013–28

Effects of amphipathic drugs on L'[3H]glutamate binding to synaptic membranes and the purified binding protein. Michaelis EK, et al. **Neurochem Res** 1984 Jan;9(1):29–44

Differential effects of some transition metal cations on the binding of beta-carboline-3-carboxylate and diazepam. Mizuno S, et al. **Neurochem Res** 1983 Jul;8(7):873–80

Freezing eliminates a specific population of L-glutamate receptors in synaptic membranes. Fagg GE, et al. **Neurosci Lett** 1983 Jul 29;38(2):157–62

Distribution and protein synthetic activities of neuronal free and membrane-bound ribosomes during postnatal development of rat cerebral cortex. Lindholm DB, et al. **Neuroscience** 1983 Jul;9(3):645–51

Barbiturate competition for TRH receptors in mouse brain: neuromodulation of anesthesia. Hirsch MD. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):255–60

Classical conditioning of the rabbit eyelid response increases glutamate receptor binding in hippocampal synaptic membranes. Mamounas LA, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2548–52

Spider venoms inhibit L-glutamate binding to brain synaptic membrane receptors. Michaelis EK, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5571–4

[Muscarinic cholinoreceptors of brain synaptic membranes from animals of various ages (letter)] Lyskova TI, et al. **Biofizika** 1983 Jul–Aug;28(4):709–11 (Eng. Abstr.) **(Rus)**

[Molecular organization of glutamate-sensitive chemoexcitatory membranes of nerve cells. Binding of L-[3H]glutamate to synaptic membranes of the rat cerebral cortex] Dambinova SA, et al. **Biokhimiia** 1984 Jan; 49(1):67–74 (Eng. Abstr.) **(Rus)**

[Molecular organization of glutamate-sensitive, chemoexcitatory membranes of nerve cells. Physico-chemical characteristics of the glutamate-binding synaptic membrane proteins of the rat cerebral cortex] Dambinova SA, et al. **Biokhimiia** 1984 Feb;49(2):216–21 (Eng. Abstr.) **(Rus)**

[Properties of NAD binding by synaptic membranes of rat brain] Khalmuradov AG, et al. **Biokhimiia** 1983 Aug; 48(8):1287–92 (Eng. Abstr.) **(Rus)**

[Effect of chronic administration of antidepressants on the binding of 3H-imipramine with mouse brain synaptic membranes] Rozhanets VV, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):52–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The main principles of the organization of ionic channels which determine the excitability of the neuronal membrane. Kostyuk PG. **Acta Morphol Hung** 1983;31(1–3):63–72

Developmental changes in synaptic membrane fluidity: a comparison of 1,6-diphenyl-1,3,5-hexatriene (DPH) and 1-[4-(trimethylamino)phenyl]-6-phenyl-1,3,5-hexatriene (TMA-DPH). Hitzemann RJ, et al. **Brain Res** 1984 May; 316(1):113–20

Localization of neuronal Ca2+ buffering near plasma membrane studied with different divalent cations. Tillotson DL, et al. **Cell Mol Neurobiol** 1983 Dec;3(4):297–310

Localization of the excitable membrane in the myelinated giant fiber of shrimp Penaeus japonicus. Hsu K, et al. **Jpn J Physiol** 1984;34(1):181–5

Cerebral ischaemia in the rat: increased permeability of post-synaptic membranes to horseradish peroxidase in the early post-ischaemic period. Diemer NH, et al. **Neuropathol Appl Neurobiol** 1983 Sep–Oct;9(5):403–14

Neurotransmitter release and its facilitation in crayfish muscle. VI. Release determined by both, intracellular calcium concentration and depolarization of the nerve terminal. Dudel J, et al. **Pflugers Arch** 1983 Sep;399(1):1–10

Kindling alters the calcium/calmodulin-dependent phosphorylation of synaptic plasma membrane proteins in rat hippocampus. Wasterlain CG, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1253–7

[Changes in the structure and functional state of the synapse membrane of the aged brain in rodents] Hershkowitz M. **Harefuah** 1983 Jul;105(1–2):25–7 **(Heb)**

[Changes in the synaptosomal membranes in the chronic neurotization of rats] Avdulov NA, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):209–11 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Effect of ultra-high frequency electromagnetic waves on a postsynaptic membrane model] Akoev IG, et al. **Radiobiologiia** 1983 Sep–Oct;23(5):670–2 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Evidence for a spectrin-like protein as a major component of the synaptosomal membrane cytoskeleton. Hesketh JE, et al. **Biochem Biophys Res Commun** 1983 Sep 15; 115(2):437–43

Arguments in favour of endocytosis of glycoprotein components of the membranes of parallel fibers by Purkinje cells during the development of the rat cerebellum. Dontenwill M, et al. **Brain Res** 1983 Nov;312(2):287–99

An ultrastructural study of presynaptic membrane specializations in sympathetic ganglia of 4-aminopyridine treated guinea pigs and rats. Forsman CA, et al. **Brain Res** 1983 Dec 5;280(2):355–60

Regeneration of the active zone at the frog neuromuscular junction. Ko CP. **J Cell Biol** 1984 May;98(5):1685–95

Endocytosis of synaptic vesicle membrane at the frog neuromuscular junction. Miller TM, et al. **J Cell Biol** 1984 Feb;98(2):685–98

Ultrastructural localization of the Mr 43,000 protein and the acetylcholine receptor in Torpedo postsynaptic membranes using monoclonal antibodies. Sealock R, et al. **J Cell Biol** 1984 Jun;98(6):2239–44

The effects of detergents on the composition of postsynaptic densities. Somerville RA, et al. **J Neurochem** 1984 Jul; 43(1):184–91

Evidence for orthogonal arrays of particles in the plasma membranes of olfactory and vomeronasal sensory neurons of vertebrates. Miragall F. **J Neurocytol** 1983 Aug; 12(4):567–76

Lateral distribution of intramembrane particles in Purkinje and granule cells of the rat cerebellar cortex. Garcia-Segura LM, et al. **Neurosci Lett** 1984 Jul 13; 48(1):37–42

Isolation of postsynaptic densities retaining their membrane attachment. Ratner N, et al. **Neuroscience** 1983 Jul; 9(3):631–44

The presynaptic active zones in three different types of fibres in frog muscle. Verma V. **Proc R Soc Lond [Biol]** 1984 May 22;221(1224):369–73

SYNAPTIC RECEPTORS

ANALYSIS

Acidic amino acid binding sites in mammalian neuronal membranes: their characteristics and relationship to synaptic receptors. Foster AC, et al. **Brain Res** 1984 May; 319(2):103–64 (315 ref.)

Antibodies against the bovine brain glutamate binding protein. Roy S, et al. **J Neurochem** 1984 Mar;42(3):838–41

Effects of chemical modification on the L-glutamate receptors on the Onchidium neuron. Kato M, et al. **Jpn J Physiol** 1983;33(4):535–46

Behavioral techniques in neuroreceptor research. Nichols DE, et al. **Monogr Neural Sci** 1984;10:108–19 (44 ref.)

Studying neurotransmitter receptors: binding and biological assays. Richelson E. **Monogr Neural Sci** 1984;10:4–19 (46 ref.)

[Receptors - membrane structure. I.] Krulík R, et al. **Cesk Psychiatr** 1983 Oct;79(5):295–305 (Eng. Abstr.) **(Cze)**

[Use of Fischer's method for analyzing the structure of the glutamate receptors in the central nervous system] Dambinova SA, et al. **Dokl Akad Nauk SSSR** 1984; 274(2):467–70 **(Rus)**

BIOSYNTHESIS

Synthesis of functional chick brain GABA-benzodiazepine-barbiturate/receptor complexes in mRNA-injected Xenopus oocytes. Smart TG, et al. **Neurosci Lett** 1983 Sep 19;40(1):55–9

DRUG EFFECTS

Central effects of dibutyryl cyclic AMP and GMP on the temperature in conscious rabbits. Kandasamy SB, et al. **Brain Res** 1983 Oct 31;277(2):311–20

Barbiturates, alcohols and the CNS excitatory neurotransmission: specific effects on the kainate and quisqualate receptors. Teichberg VI, et al. **Brain Res** 1984 Jan 23;291(2):285–92

The presynaptic effects of aspirin and prostaglandin E2 in the isolated cat heart. Marques MC, et al. **Braz J Med Biol Res** 1983 Jul;16(2):133–40

Identification of vascular postsynaptic alpha 1- and alpha 2-adrenoceptors in man. Jie K, et al. **Clin Res** 1984 Apr; 54(4):447–52

Antagonists of benzodiazepines. Haefely W. **Encephale** 1983; 9(4 Suppl 2):143B–150B (21 ref.)

Chronic drug treatments induce changes in the sensitivity of presynaptic autoreceptors but not of presynaptic heteroreceptors. Raiteri M, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):141–3

Antagonism by antidepressants of neurotransmitter receptors of normal human brain in vitro. Richelson E, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):94–102

Modification of receptor-mediated inhibition of adenylate cyclase in NG108-15 neuroblastoma X glioma cells by n-ethylmaleimide. Smith MM, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):425–33

Interaction of dextrorotatory opioids with phencyclidine recognition sites in rat brain membranes. Murray TF, et al. **Life Sci** 1984 May 14;34(20):1899–911

Effects of ethosuximide and tetramethylsuccinimide on cultured cortical neurons. Barnes DM, et al. **Neurology (NY)** 1984 May;34(5):620–5

Bupropion: a new antidepressant drug, the mechanism of action of which is not associated with down-regulation of postsynaptic beta-adrenergic, serotonergic (5-HT2), alpha 2-adrenergic, imipramine and dopaminergic receptors in brain. Ferris RM, et al. **Neuropharmacology** 1983 Nov;22(11):1257–67

Receptors for the excitatory amino acids in the mammalian central nervous system. McLennan H. **Prog Neurobiol** 1983; 20(3–4):251–71 (137 ref.)

Are the pharmacological effects of L-prolyl-L-leucyl-glycinamide (PLG) mediated through specific receptor mechanisms? Chiu S, et al.

Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):739–42

Involvement of biogenic amines with the mechanisms of novel analgesics. Vonvoigtlander PF, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):651–6

Evaluation of the beta-carboline ZK 93 426 as a benzodiazepine receptor antagonist. Jensen LH, et al. **Psychopharmacology (Berlin)** 1984;83(3):249–56

ZK 91296, a partial agonist at benzodiazepine receptors. Petersen EN, et al. **Psychopharmacology (Berlin)** 1984; 83(3):240–8

[Emovit and lonetil—behavioral and neurochemical studies] Val'dman AV, et al. **Eksp Med Morfol** 1983;22(2):59–64 (Eng. Abstr.) **(Bul)**

[Behavioral and radioreceptor analysis of viloxazine stereoisomers] Danchev ND, et al. **Biull Eksp Biol Med** 1984 May;97(5):576–8 (Eng. Abstr.) **(Rus)**

[Effect of multiple daily administration of fenibut and diazepam on GABA and benzodiazepine receptors in the mouse brain] Riago LK, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):49–50 (Eng. Abstr.) **(Rus)**

[Action of the venom of the spider Argiope lobata on glutamatergic and cholinergic synapses] Usmanov PB, et al. **Dokl Akad Nauk SSSR** 1983;273(4):1017–8 **(Rus)**

[Comparison of mianserin and yohimbine on presynaptic alpha 2-receptors] Carvajal García-Pando A, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):21–8 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Autoradiographic localization of drug and neurotransmitter receptors: focus on the opiate receptor. Palacios JM, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:41–50

A rapid filtration assay for soluble receptors using polyethylenimine-treated filters. Bruns RF, et al. **Anal Biochem** 1983 Jul 1;132(1):74–81

Autoantibodies and monoclonal antibodies in the purification and molecular characterization of neurotransmitter receptors. Fraser CM, et al. **J Cell Biochem** 1983; 21(3):219–31

Purification and molecular characterization of neurotransmitter receptors. Venter JC, et al. **Prog Clin Biol Res** 1983;135:183–206 (38 ref.)

METABOLISM

Synaptosomal T3 binding sites in rat brain: their localization on synaptic membrane and regional distribution. Mashio Y, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):134–8

Solubilization of convulsant/barbiturate binding activity on the gamma-aminobutyric acid/benzodiazepine receptor complex. King RG, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):530–6

Evidence for high affinity [3H] imipramine binding sites in human lung. Morin D, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):926–32

Axonal transport of receptors: coexistence with neurotransmitter and recycling. Laduron PM. **Biochem Pharmacol** 1984 Mar 15;33(6):897–903

Structure–function relationships in the inhibition of synaptosomal dopamine uptake by phencyclidine and analogues: potential correlation with binding site identified with [3H]phencyclidine. Vignon J, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):700–2

Electroconvulsive shock and neurotransmitter receptors: implications for mechanism of action and adverse effects of electroconvulsive therapy. Lerer B. **Biol Psychiatry** 1984 Mar;19(3):361–83

Altered platelet 3H-imipramine binding in schizo-affective and depressive disorders. Suranyi-Cadotte BE, et al. **Biol Psychiatry** 1983 Aug;18(8):923–7

Adrenergic transmitter release. Göthert M. **Blood Vessels** 1984;21(3):117–25

Biogenic amine-sensitive adenylate cyclases in primary culture of neuronal or glial cells from mesencephalon. Chneiweiss H, et al. **Brain Res** 1984 Jun 8;302(2):363–70

Localization of L-glutamate and L-aspartate synaptic receptors in chick retinal neurons. López-Colomé AM, et al. **Brain Res** 1984 Apr 23;298(1):159–62

[^{3}H]TCP: a new tool with high affinity for the PCP receptor in rat brain. Vignon J, et al. **Brain Res** 1983 Nov 28; 280(1):194–7

Sodium-independent taurine binding to brain synaptic membranes. Kontro P, et al. **Cell Mol Neurobiol** 1983 Jun; 3(2):183–7

A statistical kinetic theory for the analysis of neurotransmitter-receptor interactions. Joseph AB. **Clin Neuropharmacol** 1984;7(2):161–4

Temperature-sensitive reversible loss of [3H]imipramine binding sites: evidence suggesting different conformational states. Dumbrille-Ross A, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):383–9

Substituted tetrahydro-beta-carbolines are possible candidates as endogenous ligand of the [3H]imipramine recognition site. Langer SZ, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):153–4

Specific high affinity [3H]imipramine binding sites in rat lung are associated with a non-neuronal uptake site for serotonin. Raisman R, et al. **Eur J Pharmacol** 1983 Oct 28;94(3–4):345–8

Neurotransmitter receptors as glycoproteins. Cross AJ, et al. **Experientia** 1983 Oct 15;39(10):1168–71

[3H]vasopressin binding to rat hippocampal synaptic plasma membrane. Kinetic and pharmacological characterization. Barberis C. **FEBS Lett** 1983 Oct 17;162(2):400–5

Changes in the status of neurotransmitter receptors in a rabbit model of hepatic encephalopathy. Ferenci P, et al. **Hepatology** 1984 Mar–Apr;4(2):186–91

Calcium binding of presynaptic protrusions as revealed by X-ray spectrum averaging in the rat neuromuscular junction. Siklós L, et al. **Histochemistry** 1983;79(1):77–86

Presynaptic binding of amino acids: characterization of the binding and dissociation properties of taurine, GABA, glutamate, tyrosine and norleucine. Turpeenoja L, et al. **Int J Neurosci** 1983 Dec;22(1–2):99–106

Palladium (II)-catalyzed olefin-coupling reactions of kainic acid: effects of substitution on the isopropenyl group on receptor binding. Conway GA, et al. **J Med Chem** 1984 Jan;27(1):52–6

Neurotransmitter receptor binding and drug discovery. Snyder SH. **J Med Chem** 1983 Dec;26(12):1667–72 (83 ref.)

Binding of [3H]imipramine to human platelet membranes with compensation for saturable binding to filters and its implication for binding studies with brain membranes. Phillips OM, et al. **J Neurochem** 1984 Aug;43(2):479–86

Decreased platelet 3H-imipramine binding sites in classical migraine. Geaney DP, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):720–3

Interaction of catecholamine-derived alkaloids with central neurotransmitter receptors. Nimit Y, et al. **J Neurosci Res** 1983;10(2):175–89

Psychotropic drug competition for [3H]imipramine binding further indicates the presence of only one high-affinity drug binding site on human alpha 1-acid glycoprotein. Müller WE, et al. **J Pharm Pharmacol** 1983 Oct; 35(10):684–6

In vivo competition studies with analogues of 3-quinuclidinyl benzilate. Eckelman WC, et al. **J Pharm Sci** 1984 Apr; 73(4):529–34

Reduced Vmax of 3H-serotonin uptake but unchanged 3H-imipramine binding in the platelets of untreated hypertensive subjects. Kamal LA, et al. **Life Sci** 1984 May 21;34(21):2083–8

Characterization of specific sigma opiate/phencyclidine (PCP)-binding sites in the human brain. Sircar R, et al. **Life Sci** 1983;33 Suppl 1:259–62

Ontogeny of sigma opiate/phencyclidine-binding sites in rat brain. Sircar R, et al. **Life Sci** 1983;33 Suppl 1:255–8

Comparison of the distribution of convulsant/barbiturate and benzodiazepine receptors using light microscopic autoradiography. Wamsley JK, et al. **Life Sci** 1983 Dec 5;33(23):2321–9

Interactions of phencyclidine with crayfish muscle membranes. Sensitivity to calcium channel antagonists and other drugs. El-Fakahany EE, et al. **Mol Pharmacol** 1984 May;25(3):369–78

Neuroreceptor autoradiography. Anderson WJ. **Monogr Neural Sci** 1984;10:120–39 (44 ref.)

Analysis of binding surfaces: a methodology appropriate for the investigation of complex receptor mechanisms and multiple neurotransmitter receptors. Rothman RB. **Neuropeptides** 1983 Dec;4(1):41–4

Lack of association between [3H]imipramine binding sites and uptake of serotonin in control, depressed and schizophrenic patients. Wood PL, et al. **Neuropharmacology** 1983 Oct;22(10):1211–4

High affinity 3H-imipramine binding in human platelets: age and sex effects. Baron M, et al. **Neuropsychobiology** 1984; 11(3):178–80

Circannual variations in the density of tritiated imipramine binding sites on blood platelets in man. Egrise D, et al. **Neuropsychobiology** 1983;10(2–3):101–2

Neurotransmitters and neurotransmitter receptors in developing and adult rats during manganese poisoning. Seth PK, et al. **Neurotoxicology (Park Forest II)** 1984 Spring;5(1):67–76

Mechanism of sympathetic activation during prolonged physical exercise in dogs. The role of hepatic glucoreceptors. Kozlowski S, et al. **Pflugers Arch** 1983 Sep; 399(1):63–7

Receptor-binding changes in copper-deficient rats. Geiger JD, et al. **Pharmacology** 1984;28(4):196–202

Antidepressant binding: implications for the mode of action and the biology of depression. Hrdina PD. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):457–62

Properties of the phencyclidine (PCP) receptors. Quirion R, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):451–6

Drug and neurotransmitter receptors in the brain. Snyder SH. **Science** 1984 Apr 6;224(4644):22–31

Pharmacology of the outer retina. Dowling JE. **Trans Ophthalmol Soc UK** 1984;103 (Pt 4):391–6

[Relation between the binding of 3H-imipramine and the uptake of catecholamines in synaptosomal preparations of the rat brain after chronic treatment with imipramine] Dagonneau H, et al. **C R Soc Biol (Paris)** 1984;178(1):38–44 (Eng. Abstr.) **(Fre)**

[In vivo study of benzodiazepine receptors using positron emission tomography] Maziere M, et al. **Encephale** 1983; 9(4 Suppl 2):151B–160B (Eng. Abstr.) **(Fre)**

[Is the benzodiazepine binding site a receptor?] Morre M, et al. **Encephale** 1983;9(4 Suppl 2):125B–130B (23 ref.) (Eng. Abstr.) **(Fre)**

[Role of phospholipids in chemical neurotransmission] Trzeciak HI. **Postepy Hig Med Dosw** 1983 Jul–Aug; 37(4):431–48 (107 ref.) (Eng. Abstr.) **(Pol)**

[Monoacylglycerophosphatide formation during ligand-receptor interaction in the plasma membranes of brain synaptosomes. A possible mechanism of receptor desensitization] Kreps EM, et al. **Dokl Akad Nauk SSSR** 1983;273(3):753–7 **(Rus)**

PHYSIOLOGY

Biomolecular information analysis in neurotransmitter systems. Brooks SC. **Acta Biotheor (Leiden)** 1984;33(1):3–33

Symposium: Altered function of receptors caused by diseases and drugs. Abstracts. **Acta Pharmacol Toxicol (Copenh)** 1983;53 Suppl 1:3–18

Presynaptic modulation of postsynaptic receptors in mental diseases. **Ann NY Acad Sci** 1984;430:1–139

Autacoids for drug receptors: a new approach in drug development. Barbaccia ML, et al. **Ann NY Acad Sci** 1984; 430:103–14 (32 ref.)

The function of atrial receptors. Linden RJ. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9 (Pt 2)):5–27

Receptors for substance P. III. Classification by competitive antagonists. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):179–89

Receptors for substance P. I. The pharmacological preparations. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):161–70

Receptors for substance P. II. Classification by agonist fragments and homologues. Regoli D, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):171–7

Dynamics of cell-surface receptors. Minneman KP. **Eur J Respir Dis [Suppl]** 1984;135:7–15

Molecular aspects of the imipramine 'receptor'. Davis A. **Experientia** 1984 Aug 15;40(8):783–94 (149 ref.)

Neurotransmitter receptors and aging. Severson JA. **J Am Geriatr Soc** 1984 Jan;32(1):24–7

The lung and its receptors. Reid LM. **J Lab Clin Med** 1984 Feb;103(2):161–79 (103 ref.)

The transmitter-induced change in slope conductance of a receptor membrane as a function of the resting potential and equilibrium potential of the ion involved. Matsumoto M, et al. **J Neurosci Methods** 1984 Feb;10(2):119–24

Electrophysiological techniques for assaying neuroreceptor plasticity. Marwaha J. **Monogr Neural Sci** 1984;10:103–7

Neuroreceptors: general perspectives. Marwaha J. **Monogr Neural Sci** 1984;10:1–3

Pharmacologic evidence for synaptic transmission mediated by non-N-methyl-D-aspartate receptors in the avian cochlear nucleus. Nemeth EF, et al. **Neurosci Lett** 1983 Sep 19;40(1):39–44

Neurotransmitters and receptors: clinical implications. Kato G, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):71–5

Diisopropylfluorophosphate and GABA synaptic function: effect on levels, enzymes, release and uptake in the rat striatum. Sivam SP, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):51–60

Presynaptic effects of snake venom toxins which have phospholipase A2 activity (beta-bungarotoxin, taipoxin, crotoxin). Su MJ, et al. **Toxicon** 1984;22(4):631–40

[Functional aspects of the interaction between benzodiazepines and their central receptors] Soubrié P. **Encephale** 1983;9(4 Suppl 2):183B–190B (25 ref.) (Eng. Abstr.) **(Fre)**

[Research on receptors and their psychiatric perspectives] Munkvad I, et al. **Nord Med** 1983;98(11):274–7 **(Nor)**

ULTRASTRUCTURE

Pre- and post-synaptic structures in insect CNS: intramembranous features and sites of alpha-bungarotoxin binding. Lane NJ, et al. **Tissue Cell** 1983;15(6):921–37

SYNAPTIC VESICLES

ANALYSIS

Identification of a heparan sulphate-containing proteoglycan as a specific core component of cholinergic synaptic vesicles from Torpedo marmorata. Stadler H, et al. **EMBO J** 1982;1(11):1381–4

Calmodulin binding proteins of the cholinergic electromotor synapse: synaptosomes, synaptic vesicles, receptor-enriched membranes, and cytoskeleton. Walker JH, et al. **J Neurochem** 1984 Feb;42(2):314–20

Localization of vasopressin in synaptic vesicles of extra-hypothalamic rat brain. Hawthorn J, et al. **Life Sci** 1984 Jul 16;35(3):277–84

DRUG EFFECTS

Glucocorticoid-induced changes in synaptic vesicles of rat phrenic nerve terminals. Leeuwin RS, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):200–7

Do general anaesthetics perturb lipid membranes? The role of cholesterol. Fassoulaki A, et al. **Br J Anaesth** 1984 Sep; 56(9):1045–9

The effect of colchicine treatment on the buoyant density of noradrenaline storage particles in the rabbit superior cervical ganglion. De Smet F, et al. **Brain Res** 1984 Jun 8;302(2):335–8

The effect of repeated electroconvulsive shock treatment and chronic lithium feeding on the release of norepinephrine from rat cortical vesicular preparations. Ebstein RP, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):191–201

Effect of maternal ethanol administration on synaptic vesicles development in heart of rat offspring. Thadani PV. **Neuropharmacology** 1983 Jul;22(7):931–3

Potassium propionate causes preferential loss of 'bound' acetylcholine in frog muscle. Molenaar PC, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):209–13

Effect of lanthanum ions on the amplitude distributions of miniature endplate potentials and on synaptic vesicles in frog neuromuscular junctions. Kriebel ME, et al. **Neuroscience** 1983 Jul;9(3):535–47

ENZYMOLOGY

Properties of the bovine striatal synaptic vesicles ATPase. Near JA, et al. **Biochem Int** 1984 Feb;8(2):265–70

Characterization of calcium–activated and magnesium–activated ATPases of brain nerve endings. Lin SC, et al. **J Neurochem** 1984 Jun;42(6):1697–706

Characterization of brain synaptic vesicle phospholipase A2 activity and its modulation by calmodulin, prostaglandin E2, prostaglandin F2 alpha, cyclic AMP, and ATP. Moskowitz N, et al. **J Neurochem** 1983 Dec;41(6):1576–86

Hydrophilic form of dopamine beta–hydroxylase from purified noradrenergic vesicles. Activities and comparisons. Gasparis MS, et al. **Neurochem Res** 1983 Nov;8(11):1417–39

[Immunohistochemical demonstration of protein fractions in catecholamine storage vesicles in various tissues in guinea pigs] Heym C, et al. **Acta Acad Med Wuhan** 1984;4(2):95–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Quantitation of synaptic vesicle antigen in rabbit superior colliculus during normal development and after neonatal visual cortical lesion. Greif KF, et al. **Brain Res** 1983 Sep 19;275(1):143–7

A synaptic vesicle antigen is restricted to the junctional region of the presynaptic plasma membrane. Buckley KM, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7342–6

METABOLISM

Photoaffinity labeling of a synaptic vesicle specific nucleotide transport system from Torpedo marmorata. Lee DA, et al. **Biochemistry** 1983 Dec 20;22(26):6123–30

Ultrastructural evidence for monoamine uptake by vesicles of pineal sympathetic nerves immediately after their stimulation. Jaim–Etcheverry G, et al. **Cell Tissue Res** 1983; 233(2):463–9

Changes in acetylcholine concentration, miniature end–plate potentials and synaptic vesicles in frog neuromuscular preparations during lanthanum treatment. Florey E, et al. **Comp Biochem Physiol [C]** 1983;75(2):285–94

Cholinergic synaptic vesicles from Torpedo marmorata contain an atractyloside–binding protein related to the mitochondrial ADP/ATP carrier. Stadler H, et al. **Eur J Biochem** 1983 Nov 2;136(2):377–82

Accumulation of 3H–dopamine by synaptic vesicles from rat striatum in an impermeant medium. Ruth JA, et al. **Experientia** 1984 Jul 15;40(7):692–4

Axonal transport of muscarinic receptors in vesicles containing noradrenaline and dopamine–beta–hydroxylase. Laduron PM. **FEBS Lett** 1984 Jan 2;165(1):128–32

The ultrastructural ionic fixation technique localizing acetylcholinesterase activity, reveals simultaneously acetylcholine–like cation in the synaptic vesicles of the motor nerve terminals. Tsuji S. **Histochemistry** 1984; 81(1):35–7

Delta pH–dependent and –independent uptake of [3H]dopamine by synaptic vesicles isolated from rat brain. Tsudzuki T. **J Biochem (Tokyo)** 1984 Jun;95(6):1585–92

Calmodulin is tightly associated with synaptic vesicles independent of calcium. Hooper JE, et al. **J Biol Chem** 1984 Jan 10;259(1):148–53

Calcium–dependent calmodulin binding to cholinergic synaptic vesicles. Hooper JE, et al. **J Biol Chem** 1984 Jan 10;259(1):141–7

Synaptic vesicle heterogeneity [letter] Marchbanks RM, et al. **J Neurochem** 1984 Jun;42(6):1775

Tracer uptake by photoreceptor synaptic terminals. I. Dark–mediated effects. Cooper NG, et al. **J Ultrastruct Res** 1983 Sep;84(3):252–67

Binding and uptake of concanavalin A into rat brain synaptosomes: evidence for synaptic vesicle recycling. Gordon–Weeks PR, et al. **Proc R Soc Lond [Biol]** 1983 Oct 22;219(1217):413–22

PHYSIOLOGY

Differences in the osmotic fragility of recycling and reserve synaptic vesicles from the cholinergic electromotor nerve terminals of Torpedo and their possible significance for vesicle recycling. Giompres PE, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):166–70

Is the MEPP due to the release of one vesicle or to the simultaneous release of several vesicles at one active zone? Tremblay JP, et al. **Brain Res** 1983 Dec;287(3):299–314 (126 ref.)

ULTRASTRUCTURE

Formation of cytoplasm–containing vesicles from double–walled coated invaginations containing oligodendrocytic cytoplasm at the axon–myelin sheath interface in adult mammalian central nervous system. Novotny GE. **Acta Anat (Basel)** 1984;119(2):106–12

Synaptic arrangements in the ventral posterolateral nucleus of the squirrel. Wells J, et al. **Brain Behav Evol** 1983; 22(4):165–74

The relationship of pinocytosis and synaptic vesicles at the frog neuromuscular junction. Meshul CK, et al. **Brain Res** 1984 Jan 2;290(1):1–18

Coated vesicle morphology and sub–populations at the neuromuscular junction. Smith JE, et al. **Brain Res** 1984 May 14;299(2):383–8

Number of synaptic vesicles in rat cortex immediately after cessation of the self–sustained afterdischarge during kindling. Langmeier M, et al. **Epilepsia** 1983 Oct; 24(5):616–27

Endocytosis of synaptic vesicle membrane at the frog neuromuscular junction. Miller TM, et al. **J Cell Biol** 1984 Feb;98(2):685–98

Separation of synaptic vesicles from bovine cerebral cortex. Kadota K, et al. **J Electron Microsc (Tokyo)** 1983; 32(3):210–2

Influence of the method of sacrificing experimental animals on the motor cortex synapses pattern. Morphometric evaluation. Dymecki J, et al. **Neuropatol Pol** 1984; 22(1):63–75

Localization of two types of nerve ending in the Corpus vasculare paracloacale of the cock. Yamano S. **Nippon Juigaku Zasshi** 1984 Apr;46(2):229–31

[Zinc–iodo–osmium–impregnated synaptic vesicles in neuropils of the supraoptic nucleus and paraventricular nucleus of water–deprived rats] Loesch A. **Neuropatol Pol** 1984;22(1):39–62 (Eng. Abstr.) **(Pol)**

[Electron microscopic study of the monoaminergic terminals in the caudate nucleus of the rat brain] Zhuravleva ZN, et al. **Tsitologiia** 1983 Oct;25(10):1132–6 (Eng. Abstr.) **(Rus)**

SYNAPTOSOMES

ANALYSIS

Detergent extraction from rat synaptosomal plasma membranes reveals difference in mu and delta opioid receptor binding. Grynne BH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):201–9

Measurement of intrasynaptosomal free calcium by using the fluorescent indicator quin–2. Ashley RH, et al. **Biochem J** 1984 Apr 1;219(1):149–58

Lipid composition of the synaptosome and erythrocyte membranes during chronic ethanol–treatment and withdrawal in the rat. la Droitte P, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):615–24

Specific localization of the alpha–latrotoxin receptor in the nerve terminal plasma membrane. Valtorta F, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):124–32

A library of monoclonal antibodies to Torpedo cholinergic synaptosomes. Kushner PD. **J Neurochem** 1984 Sep; 43(3):775–86

Identification and comparison of protein I in chick and rat forebrain. Sorensen RG, et al. **J Neurochem** 1984 Mar; 42(3):705–10

Calmodulin binding proteins of the cholinergic electromotor synapse: synaptosomes, synaptic vesicles, receptor–enriched membranes, and cytoskeleton. Walker JH, et al. **J Neurochem** 1984 Feb;42(2):314–20

Purification and immunological characterization of a calcium pump from bovine brain synaptosomal vesicles. Chan SY, et al. **J Neurosci** 1984 Jun;4(6):1468–78

Mass spectral and hydrolytic determination of amino acid sequences in synaptosomal peptides from calf brain. Marnela KM, et al. **Neurochem Res** 1983 Jul;8(7):933–41

[Fatty acid composition of aminophospholipids of the protein microenvironment in synaptosome plasma membranes in the rat brain] Tiurin VA, et al. **Zh Evol Biokhim Fiziol** 1983 Nov–Dec;19(6):591–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Substance P release from K+–depolarized rat brain synaptosomes at one–second resolution. Floor E. **Brain Res** 1983 Nov 21;279(1–2):321–4

Differential effects of calcium on catecholamine synthesis regulation in olfactory tubercle and hypothalamic synaptosomes. Haycock DA, et al. **Brain Res** 1984 May 7;299(1):15–23

Acetylcholine release from synaptosomes and phenytoin action. Pincus JH, et al. **Brain Res** 1984 Apr 2;296(2):313–7

Identification of an amiloride sensitive Na+/H+ exchange system in brain synaptosomes. Sauvaigo S, et al. **Brain Res** 1984 Jun 3;301(2):371–4

Presynaptic modulation of the release of dopamine from striatal synaptosomes: differences in the effects of high K+ stimulation, methamphetamine and nicotinic drugs. Takano Y, et al. **Brain Res** 1983 Nov 21;279(1–2):330–4

Calcium–dependent 4–aminopyridine stimulation of protein phosphorylation in squid optic lobe synaptosomes. Pant HC, et al. **Cell Mol Neurobiol** 1983 Sep;3(3):223–38

Morphine inhibits depolarization–dependent calcium uptake by synaptosomes. Kamikubo K, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):149–50

Diazepam increases membrane fluidity of rat hippocampus synaptosomes. Mennini T, et al. **FEBS Lett** 1984 Jul 23; 173(1):255–8

Inhibition of adenosine uptake into rat brain synaptosomes by prostaglandins, benzodiazepines and other centrally active compounds. Phillis JW, et al. **Gen Pharmacol** 1983; 14(5):475–9

Changes in the amino acid content of nerve endings (synaptosomes) induced by drugs that alter the metabolism of glutamate and gamma–aminobutyric acid. Geddes JW, et al. **J Neurochem** 1984 Jan;42(1):16–24

Drug–induced changes in GABA content of nerve endings in 11 rat brain regions. Correlation to pharmacological effects. Löscher W, et al. **Neurosci Lett** 1984 Jun 29; 47(3):325–31

Brain synaptosomal (Na+ and K+)ATPase activity as an index of tolerance to ethanol. Beaugé F, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:519–24

Chronic ethanol treatment affects synaptosomal membrane–bound enzymes. Guerri C, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:45–50

ESR measurements on the effects of ethanol on the lipid and protein conformation in biological membranes. Logan BJ, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:31–5

Changes in cortical synaptosomal plasma membrane fluidity and composition in ethanol–dependent rats. Crews FT, et al. **Psychopharmacology (Berlin)** 1983;81(3):208–13

Synaptosomes as a tool in the development of new neuroactive drugs. Raiteri M. **Rev Pure Appl Pharmacol Sci** 1983 Jan–Mar;4(1):65–109 (131 ref.)

Changes of lipid peroxidation in mouse brain crude synaptosomal preparations in relation to the development and disappearance of tolerance to ethanol. Kaneto H, et al. **Subst Alcohol Actions Misuse** 1983;4(4):313–9

Regional effects of ethanol on glutamate levels, uptake and release in slice and synaptosome preparations from rat brain. Keller E, et al. **Subst Alcohol Actions Misuse** 1983; 4(6):383–92

[Effect of neurotropic compounds on the transmembrane potential of synaptosomes] Nikushkin EV, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):51–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Protein–O–methyltransferase in brain synaptosomal fraction under normal, ischemic and hypoxic conditions. Possible role in neuronal function. Pastuszko A, et al. **Acta Neurol Scand** 1984 May;69(5):277–84

Effect of lindane on synaptosomal Na+/K+–ATPase in relation to its subcellular distribution in the brain. Magour S, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr; 54(4):299–303

Processing and degradation of Met–enkephalin by peptidases associated with rat brain cortical synaptosomes. Demmer W, et al. **Adv Exp Med Biol** 1984;167:165–77

Processing and degradation of met–enkephalin by peptidases associated with rat brain cortical synaptosomes. Demmer W, et al. **Arch Biochem Biophys** 1983 Nov;227(1):310–20

Possible mechanism of inhibition by lipid peroxidation of ATPase activities of rat cerebral cortex synaptosomes. Sawas AH, et al. **Arch Int Pharmacodyn Ther** 1984 May; 269(1):4–11

Influence of phosphatidylserine on (Na+ + K+)–stimulated ATPase and acetylcholinesterase activities of dog brain synaptosomal plasma membranes. Tsakiris S, et al. **Biochem J** 1984 May 15;220(1):301–7

Effect of chlordecone on pH and temperature dependent substrate activation kinetics of rat brain synaptosomal ATPases. Chetty SC, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3205–11

Lignocaine: inhibitory effect on synaptosomal and erythrocyte membrane–bound acetylcholinesterase activity. Haque SJ, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3443–6

Structure of brain adenylate cyclase: proteolysis–dependent modifications. d'Alayer J, et al. **Biochemistry** 1983 Aug 2;22(16):3948–53

Inhibition of synaptosomal enzymes by local anesthetics. Sidek HM, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):26–31

Calcium transport in and out of brain nerve endings in vitro—the role of synaptosomal plasma membrane Ca2+–ATPase in Ca2+–extrusion. Lin SC, et al. **Brain Res** 1984 Apr 30;298(2):225–34

Some properties of aminopeptidase associated with rat brain cortical synaptosomes. Chan WW, et al. **Can J Biochem Cell Biol** 1983 Nov;61(11):1185–90

Purification and characterization of ATP–dependent calcium pumps from synaptosomes. Goldin SM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:287–95

Two pools of electron cytochemically demonstrable adenylate cyclase activity in cortical synaptosomes. Rostomian MA, et al. **Histochemistry** 1983;78(4):531–8

Influence of Ca2+ and substance P on the (Ca Mg) ATPase (EC 3.6.1.3) activity of synaptosomes from different areas of rat brain. Lachowicz L, et al. **Int J Biochem** 1984; 16(3):337–40

Modifications of synaptosomal Na+ –K+ –ATPase activity during vasogenic brain edema in the rabbit. Averet N, et

al. **J Neurochem** 1984 Jan;42(1):275–7
Multiple forms of choline–O–acetyltransferase in mouse and rat brain: solubilization and characterization. Benishin CG, et al. **J Neurochem** 1983 Oct;41(4):1030–9
Characterization of calcium–activated and magnesium–activated ATPases of brain nerve endings. Lin SC, et al. **J Neurochem** 1984 Jun;42(6):1697–706
ATP–citrate lyase and other enzymes of acetyl–CoA metabolism in fractions of small and large synaptosomes from rat brain hippocampus and cerebellum. Szutowicz A, et al. **J Neurochem** 1983 Nov;41(5):1502–5
Activities of arginase, transamidinase, and ornithine aminotransferase in glia, neurons, and synaptosomes. Swamy M, et al. **J Neurosci Res** 1983;10(4):363–8
Characteristics of mitochondrial and synaptosomal monoamine oxidase in monkey brain. Egashira T, et al. **Jpn J Pharmacol** 1984 Feb;34(2):211–9
Ecto–adenosine triphosphatase activity at the cholinergic nerve endings of the Torpedo electric organ. Keller F, et al. **Life Sci** 1983 Dec 26;33(26):2635–41
Suppression of the enzymes of glutamate metabolism in cortical synaptosomes in methionine sulfoximine toxicity. Subbalakshmi GY, et al. **Life Sci** 1984 Jul 9;35(2):119–25
Utilization of Barritt color reaction for studying synaptosomal creatine phosphokinase. Cheng RH, et al. **Neurochem Res** 1984 Apr;9(4):571–6
Induced enzyme release from synaptosomes by halothane. Cheng SC, et al. **Neurochem Res** 1984 Apr;9(4):577–85
The in vitro phosphorylation of actin from rat cerebral cortex. Dunkley PR, et al. **Neurochem Res** 1983 Jul; 8(7):865–71
Effect of electroacupuncture on synaptosomal (Na+ + K+)-ATPase. Lee DZ, et al. **Neurochem Res** 1984 May; 9(5):669–78
Purification and partial characterization of two forms of Ca2+–activated neutral protease from calf brain synaptosomes and spinal cord. Malik MN, et al. **Neurochem Res** 1984 Feb;9(2):233–40
The effects of footshock and handling on tyrosine hydroxylase activity in synaptosomes and solubilised preparations from rat brain. Graham–Jones S, et al. **Neuroscience** 1983 Jul;9(3):679–86
Effect of cadmium chloride on rat brain synaptosomal ATPases. Rajanna B, et al. **Toxicol Lett** 1983 Sep; 18(3):331–6
[Demonstration of a double subcellular localization of cerebral fucosyltransferase] Léon M, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):121–5 (Eng. Abstr.) **(Fre)**
[Mechanisms of calcium transport in brain synaptosomes as affected by depolarization] Kravtsov GM, et al. **Biokhimiia** 1983 Aug;48(8):1249–55 (Eng. Abstr.) **(Rus)**
[Na K–dependent ATPase activity of synaptosomes of rat cerebral hemispheres with ischemic necrosis of the myocardium, occurring after emotional–painful stress] Davydov VV, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):61–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of interaction of heavy metals on (Na+ –K+) ATPase and the uptake of 3H–DA and 3H–NA in rat brain synaptosomes. Chandra SV, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):210–3
The effect of long–term lithium treatment on the incorporation and distribution of 32P–orthosphosphate into the phospholipids from rat synaptosomes. Edelfors S. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):320–4
The effect of some drugs with purported antianoxic effect on veratridine–induced purine release from isolated rat hypothalamic synaptosomes. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):236–44
Enhancement of 5–hydroxytryptamine uptake in rabbit hypothalamic synaptosomes but not in blood platelets by zinc and lead ex vivo. Komulainen H. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):166–74
Ca–dependence of accumulation of monoamines into synaptosomes and its inhibition by copper. Tuomisto J, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):193–9
Hypotaurine transport in mouse brain synaptosomal preparations. Kontro P. **Acta Physiol Scand** 1983 May; 118(1):57–60
Efflux of taurine from bovine cerebral cortex synaptosomes: homo– and hetero–trans–stimulation. Korpi ER, et al. **Acta Physiol Scand** 1983 Aug;118(4):441–3
Interaction between phosphatidylserine vesicles and rat brain synaptosomes. Floreani M, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):821–7
Spin label studies on synaptosomal membranes of rat brain cortex during aging. Nagy K, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):688–94
Stimulation of synaptosomal uptake of neurotransmitter amino acids by insulin: possible role of insulin as a neuromodulator. Rhoads DE, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1198–204
Differential interactions of phencyclidine with tetrabenazine and reserpine affecting intraneuronal dopamine. Bagchi SP. **Biochem Pharmacol** 1983 Oct 1;32(19):2851–6
Simultaneous evaluation by a double labelling method of drug–induced uptake inhibition and release of dopamine in synaptosomal preparation of rat striatum. Bonnet JJ, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2129–35
Artefactual inhibition of dopamine uptake by psychotropic drugs on striatal synaptosomal preparation. Lemasson MH, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2137–41
Similar potency ratios of amphetamine optical isomers for inhibition of dopamine uptake by synaptosomes of corpus striatum, olfactory tubercle and prefrontal cortex of the rat. Matthews RT, et al. **Biochem Pharmacol** 1984 Sep 1; 33(17):2817–9
Noradrenergic inhibition of the nicotinically–stimulated release of acetylcholine from guinea–pig ileal synaptosomes. Reese JH, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1145–7
Gamma–hydroxybutyric acid binding sites in rat and human brain synaptosomal membranes. Snead OC 3d, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2587–90
Structure–function relationships in the inhibition of synaptosomal dopamine uptake by phencyclidine and analogues: potential correlation with binding site identified with [3H]phencyclidine. Vignon J, et al. **Biochem Pharmacol** 1984 Feb 15;33(4):700–2
Reversal by local anaesthetics of ouabain–induced [14C]ACh and [14C]choline release from synaptosomes. Vyas S, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2827–9
Binding of beta–scorpion toxin: a physicochemical study. Jover E, et al. **Biochemistry** 1984 Mar 13;23(6):1147–52
Iminoglycine transport system in synaptosomes and its interaction with enkephalins. Rhoads DE, et al. **Biochemistry** 1984 Jan 3;23(1):117–21
Efflux of gamma–aminobutyric acid from and appearance of free arachidonic acid inside synaptosomes. Asakura T, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):301–7
A fluorescence polarization study of calcium and phase behaviour in synaptosomal lipids. Ashley RH, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):363–9
Incorporation of cis–parinaric acid, a fluorescent fatty acid, into synaptosomal phospholipids by an acyl–CoA acyltransferase. Harris WE, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):79–91
Calmodulin regulation of the ATP–dependent calcium uptake by inverted vesicles prepared from rabbit synaptosomal plasma membranes. Hincke MT, et al. **Biochim Biophys Acta** 1984 Apr 11;771(2):188–94
Changes in free–calcium levels and pH in synaptosomes during transmitter release. Richards CD, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):215–20
Studies on the transport of carnitine in the brain using synaptosomes isolated from guinea–pig cerebral cortex. Zoccarato F, et al. **Biochim Biophys Acta** 1983 Oct 12; 734(2):381–3
Calcium uptake related to K+–depolarization and Na+/Ca2+ exchange in sheep brain synaptosomes. Coutinho OP, et al. **Brain Res** 1984 Jan 9;290(2):261–71
Neurotransmitter amino acids in the CNS. II. Some changes in amino acid levels in rat brain synaptosomes during and after in vitro anoxia and simulated ischemia. Hauptman M, et al. **Brain Res** 1984 Jun 18;304(1):23–35
Preferential uptake of norepinephrine into dopaminergic terminals of a synaptosomal preparation from rat cerebral cortex. Michel M, et al. **Brain Res** 1984 May 28; 301(1):149–52
Evidence for high affinity choline transport in synaptosomes prepared from hippocampus and neocortex of patients with Alzheimer's disease. Rylett RJ, et al. **Brain Res** 1983 Dec 19;289(1–2):169–75
Pineal methoxyindoles depress calcium uptake by rat brain synaptosomes. Vacas MI, et al. **Brain Res** 1984 Feb 27; 294(1):166–8
Release of gamma–aminobutyric acid from guinea pig myenteric plexus synaptosomes. Yau WM, et al. **Brain Res** 1983 Nov 14;278(1–2):271–3
Biochemical and physicochemical properties of the solubilized S–100 protein binding activity of synaptosomal particulate fractions. Donato R. **Cell Mol Neurobiol** 1983 Sep;3(3):239–54
Mouse brain synaptosomal sodium channels: activation by aconitine, batrachotoxin, and veratridine, and inhibition by tetrodotoxin. Ghiasuddin SM, et al. **Comp Biochem Physiol [C]** 1984;77(2):267–71
Age–dependent alterations in the accumulation of l–methadone in the brain synaptosomes and other subcellular fractions. Shah NS, et al. **Dev Pharmacol Ther** 1984;7(2):109–20
Increase of 5–hydroxytryptamine uptake in rabbit hypothalamic synaptosomes but not in blood platelets ex vivo by lead and zinc. Komulainen H, et al. **Dev Toxicol Environ Sci** 1983;11:513–6
Comparison of Clostridium botulinum toxins type D and C1 in molecular property, antigenicity and binding ability to rat–brain synaptosomes. Murayama S, et al. **Eur J Biochem** 1984 Aug 1;142(3):487–92
Influence of psychotomimetics and lisuride on synaptosomal dopamine release in the nucleus accumbens of rats. Hetey L, et al. **Eur J Pharmacol** 1983 Sep 30;93(3–4):213–20
Inhibition of in vitro amine uptake into rat brain synaptosomes after in vivo administration of antidepressants. Manias B, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):305–9
Stereoselective inhibition of synaptosomal catecholamine uptake by nomifensine. Schacht U, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):275–7
Synaptosomal [3H]GABA uptake and [3H]nipecotic acid binding in audiogenic seizure susceptible (DBA/2) and resistant (C57 B1/6) mice. Spyrou NA, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):207–10
Inhibition of synaptosomal 5–[3H]hydroxytryptamine uptake by endogenous factor(s) in human blood. Angel I, et al. **FEBS Lett** 1984 Jun 11;171(2):280–4
Choline transport by synaptosomal membrane vesicles isolated from insect nervous tissue. Breer H. **FEBS Lett** 1983 Mar 21;153(2):345–8
High affinity proline uptake in rat brain synaptosomes. Hauptmann M, et al. **FEBS Lett** 1983 Sep 19;161(2):301–5
Identification by cross–linking of a neuronal acceptor protein for dendrotoxin, a convulsant polypeptide. Mehraban F, et al. **FEBS Lett** 1984 Aug 20;174(1):116–22
The effect of thiol reagents on GABA transport in rat brain synaptosomes. Troeger MB, et al. **FEBS Lett** 1984 Jun 11; 171(2):303–8
Further studies on the inhibition of adenosine uptake into rat brain synaptosomes by adenosine derivatives and methylxanthines. Wu PH, et al. **Gen Pharmacol** 1984; 15(3):251–4
Inhibition of protein and aminoacyl–tRNA synthesis, and binding and transport sites for aromatic amino acids in the brain in vitro with aromatic acids. Lähdesmäki P. **Int J Neurosci** 1984 Mar;23(1):1–13
Binding of Clostridium botulinum type C neurotoxin to rat brain synaptosomes. Agui T, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):521–7
Fluorescence resonance energy transfer on the voltage–dependent sodium channel. Spatial relationship and site coupling between the batrachotoxin and Leiurus quinquestriatus quinquestriatus alpha–scorpion toxin receptors. Angelides KJ, et al. **J Biol Chem** 1984 May 25; 259(10):6117–26
Ciguatoxin is a novel type of Na+ channel toxin. Bidard JN, et al. **J Biol Chem** 1984 Jul 10;259(13):8353–7
ATP–driven proton fluxes across membranes of secretory organelles. Cidon S, et al. **J Biol Chem** 1983 Oct 10; 258(19):11684–8
Cyclic AMP–dependent phosphorylation of the alpha subunit of the sodium channel in synaptic nerve ending particles. Costa MR, et al. **J Biol Chem** 1984 Jul 10;259(13):8210–8
Structural mapping of the voltage–dependent sodium channel. Distance between the tetrodotoxin and Centruroides suffusus suffusus II beta–scorpion toxin receptors. Darbon H, et al. **J Biol Chem** 1984 May 25; 259(10):6074–84
Aging and 3,4–diaminopyridine alter synaptosomal calcium uptake. Peterson C, et al. **J Biol Chem** 1983 Oct 10; 258(19):11482–6
Selective inhibition of synaptosomal proline uptake by leucine and methionine enkephalins. Rhoads DE, et al. **J Biol Chem** 1983 Oct 25;258(20):12233–7
Selectivity of the Ca binding site in synaptosome Ca channels. Inhibition of Ca influx by multivalent metal cations. Nachshen DA. **J Gen Physiol** 1984 Jun;83(6):941–67
Effect of hyperbaric oxygen on GABA transport in rat brain synaptosomes. Wheeler DD, et al. **J Neural Transm** 1983; 57(3):167–85
Alterations in the fatty acid composition of rat brain cells (neurons, astrocytes, and oligodendrocytes) and of subcellular fractions (myelin and synaptosomes) induced by a diet devoid of n–3 fatty acids. Bourre JM, et al. **J Neurochem** 1984 Aug;43(2):342–8
Stimulation of phospholipase A2 and secretion of catecholamines from brain synaptosomes by potassium and A23187. Bradford PG, et al. **J Neurochem** 1983 Dec; 41(6):1684–93
Lack of stereoselectivity in ability of nicotine to release dopamine from rat synaptosomal preparations. Connelly MS, et al. **J Neurochem** 1983 Nov;41(5):1297–302
45Ca2+ uptake into rat whole brain synaptosomes unaltered by dihydropyridine calcium antagonists. Daniell LC, et al. **J Neurochem** 1983 Nov;41(5):1455–9
Enzymes of cerebral GABA metabolism and synaptosomal GABA uptake in acute liver failure in the rabbit: evidence for decreased cerebral GABA–transaminase activity. Ferenci P, et al. **J Neurochem** 1984 May;42(5):1487–90
An N–protected gamma–aminobutyric acid dipeptide with anticonvulsant action. Galzigna L, et al. **J Neurochem** 1984 Jun;42(6):1762–6
Release of aspartate and glutamate caused by chloride reduction in synaptosomal incubation media. Hardy JA, et al. **J Neurochem** 1984 Mar;42(3):875–7
Dihydroxyphenylalanine production in rat brain striatal synaptosomes: stimulation by a calcium chelator. Haycock DA, et al. **J Neurochem** 1984 Apr;42(4):911–7
Arginine metabolism in mouse brain synaptosomes. Johnson JL, et al. **J Neurochem** 1984 Apr;42(4):1123–6
Characteristics of tryptophan accumulation by isolated rat forebrain synaptosomes. Knowles RG, et al. **J Neurochem** 1984 Mar;42(3):663–9
Tryptophan uptake and hydroxylation in rat forebrain synaptosomes. Knowles RG, et al. **J Neurochem** 1984 Mar; 42(3):677–84
Effects of polyamines on the uptake of neurotransmitters by rat brain synaptosomes. Law CL, et al. **J Neurochem** 1984 Mar;42(3):870–2
Comparison of voltage–dependent 45Ca2+ uptake rates by synaptosomes isolated from rat brain regions. Leslie SW, et al. **J Neurochem** 1983 Dec;41(6):1602–5
Alterations of amino acid transmitter systems in spinal cords of chronic paraplegic dogs. McBride WJ, et al.

J Neurochem 1984 Jun;42(6):1625–31

Detergent effects on the phosphatidylinositol-specific phospholipase C in rat brain synaptosomes. Manning R, et al. J Neurochem 1983 Dec;41(6):1735–43

Opiates inhibit acetylcholine release from Torpedo nerve terminals by blocking Ca2+ influx. Michaelson DM, et al. J Neurochem 1984 Sep;43(3):614–8

Effects of kainic acid in rat brain synaptosomes: the involvement of calcium. Pastuszko A, et al. J Neurochem 1984 Sep;43(3):747–54

Synaptosomal calcium metabolism during hypoxia and 3,4-diaminopyridine treatment. Peterson C, et al. J Neurochem 1984 Jan;42(1):248–53

An evaluation of irreversible inhibition of synaptosomal high-affinity choline transport by choline mustard aziridinium ion. Rylett RJ, et al. J Neurochem 1984 Sep; 43(3):787–94

Dopamine synthesis in synaptosomes: relation of autoreceptor functioning to pH, membrane depolarization, and intrasynaptosomal dopamine content. Saller CF, et al. J Neurochem 1984 Sep;43(3):675–88

Alpha-ketoglutarate and malate uptake and metabolism by synaptosomes: further evidence for an astrocyte-to-neuron metabolic shuttle. Shank RP, et al. J Neurochem 1984 Apr; 42(4):1153–61

Ergopeptine-sensitive calcium-dependent protein phosphorylation system in the brain. Stratford CA, et al. J Neurochem 1984 Mar;42(3):842–55

Effect of oleate on neurotransmitter transport and other plasma membrane functions in rat brain synaptosomes. Troeger MB, et al. J Neurochem 1984 Jun;42(6):1735–42

Opposite effects of extracellular sodium removal on the uptake of tryptophan into rat cortical slices and synaptosomes. Wilkinson LS, et al. J Neurochem 1984 Jul; 43(1):274–5

Amino acid content of nerve endings (synaptosomes) in different regions of brain: effects of gabaculine and isonicotinic acid hydrazide. Wood JD, et al. J Neurochem 1984 Feb;42(2):420–5

Rapid determination of dopamine uptake in synaptosomal preparations. Cooper DO, et al. J Neurosci Methods 1983 Oct;9(2):157–62

Temperature-dependent modulation of [3H]nitrendipine binding by the calcium channel antagonists verapamil and diltiazem in rat brain synaptosomes. Boles RG, et al. J Pharmacol Exp Ther 1984 May;229(2):333–9

Effects of phencyclidine, amphetamine and related compounds on dopamine release from and uptake into striatal synaptosomes. Bowyer JF, et al. J Pharmacol Exp Ther 1984 Jun;229(3):671–80

Accumulation, subcellular localization and release of propranolol from synaptosomes of rat cerebral cortex. Street JA, et al. J Pharmacol Exp Ther 1984 Apr; 229(1):154–61

Membrane properties and aging: in vivo and in vitro effects of ethanol on synaptosomal gamma-aminobutyric acid (GABA) release. Strong R, et al. J Pharmacol Exp Ther 1984 Jun;229(3):726–30

Manganese fluxes and manganese-dependent neurotransmitter release in presynaptic nerve endings isolated from rat brain. Drapeau P, et al. J Physiol (Lond) 1984 Mar;348:493–510

Relationship between synaptosomal calcium uptake and antinociceptive action of morphine. Konno F, et al. Jpn J Pharmacol 1983 Jun;33(3):619–26

In vitro interaction of premazepam with benzodiazepine receptors ' rat brain regions. Barone D, et al. Life Sci 1984 Jul 23;;35(4):365–71

Lability in storage of 3H-dopamine and 3H-norepinephrine in crude synaptosome (P2) and vesicle-associated fractions of rat brain. Bianchi BR, et al. Life Sci 1984 Feb 13; 34(7):607–15

Pyrazolo[3,4-d]pyrimidines as adenosine antagonists. Davies LP, et al. Life Sci 1984 May 28;34(22):2117–28

Effects of N-substituted phenyltetrahydropyridines on cerebral high-affinity synaptosomal uptake of dopamine and other monoamines in several mammalian species. Kula NS, et al. Life Sci 1984 Jun 25;34(26):2567–75

Ethanol inhibits veratridine-stimulated sodium uptake in synaptosomes. Mullin MJ, et al. Life Sci 1984 Jan 16; 34(3):287–92

Regulation of opioid receptor binding; possible mechanisms of sulfhydryl groups in the binding site. Niwa M, et al. Life Sci 1983;33 Suppl 1:211–4

Uptake/internalization of Met-enkephalin by brain synaptosomes. Van Loon GR, et al. Life Sci 1983;33 Suppl 1:145–8

Two affinity states of Ri adenosine receptors in brain membranes. Analysis of guanine nucleotide and temperature effects on radioligand binding. Lohse MJ, et al. Mol Pharmacol 1984 Jul;26(1):1–9

Effects of aging and hypoxia on energy transduction at synaptosomal level. Benzi G, et al. Monogr Neural Sci 1984; 11:28–39

Properties of a 125I-substance P derivative binding to synaptosomes from various brain structures and the spinal cord of the rat. Torrens Y, et al. Naunyn Schmiedebergs Arch Pharmacol 1983 Sep; 324(2):134–9

An in vivo cholinergic influence on the retention of [3H]noradrenaline in regional brain synaptosomes. Campos HA, et al. Neurochem Res 1984 May;9(5):607–15

Calcium channel activity in rat brain synaptosomes: effects of neuroleptics and other factors regulating phosphorylation and transmitter release. Hoss W, et al. Neurochem Res 1984 Jan;9(1):109–20

Actions of pentobarbitone and derivatives with modified 5-butyl substituents on GABA and diazepam binding to rat brain synaptosomal membranes. Skerritt JH, et al. Neurochem Res 1983 Oct;8(10):1337–50

Interactions of some anaesthetic, convulsant, and anticonvulsant drugs at GABA-benzodiazepine receptor-ionophore complexes in rat brain synaptosomal membranes. Skerritt JH, et al. Neurochem Res 1983 Oct; 8(10):1351–62

Effect of hypoglycemia on the brain free fatty acid level and the uptake of fatty acids by phospholipids. Strosznajder J. Neurochem Res 1984 Apr;9(4):465–76

The effect of membrane potential on initial velocity of GABA uptake and steady state distribution ratio in rat cortical synaptosomes. Wheeler DD. Neurochem Res 1984 May;9(5):649–60

A kinetic analysis of the release of acidic amino acids from rat cortical synaptosomes following pre-loading with [14C]glutamic acid. Wheeler DD, et al. Neurochem Res 1983 Sep;8(9):1111–34

beta-Alanine transport into plasma membrane vesicles derived from rat brain synaptosomes. Zafra F, et al. Neurochem Res 1984 May;9(5):695–707

The effect of trifluoperazine and R 24 571 on the K+-evoked release of 5-hydroxytryptamine from superfused synaptosomes. Leung MT, et al. Neuropharmacology 1983 Sep;22(9):1095–9

Multiplicity of receptors for vasoactive intestinal polypeptide (VIP): differential effects of apamin on binding in brain, uterus and liver. Fahrenkrug J, et al. Peptides (Fayetteville) 1983 Mar-Apr;4(2):133–6

Reconstitution of a functional synaptosomal membrane possessing the protein constituents involved in acetylcholine translocation. Israël M, et al. Proc Natl Acad Sci USA 1984 Jan;81(1):277–81

Serotonin binds specifically and saturably to an actin-like protein isolated from rat brain synaptosomes. Small DH, et al. Proc Natl Acad Sci USA 1984 Feb;81(3):959–63

Binding and uptake of concanavalin A into rat brain synaptosomes: evidence for synaptic vesicle recycling. Gordon-Weeks PR, et al. Proc R Soc Lond [Biol] 1983 Oct 22;219(1217):413–22

Influence of sulfhydryl reagents on potassium-stimulated calcium uptake by rat brain synaptosomes. Eason KE, et al. Res Commun Chem Pathol Pharmacol 1984 Jun; 44(3):503–6

The effects of lanthanum chloride administration in newborn chicks on glutamate uptake and release by brain synaptosomes. Basu A, et al. Toxicol Lett 1984 Mar; 20(3):303–8

Effect of toxaphene on the binding of 3H-labeled ouabain and dopamine to rat brain synaptosomes. Trottman CH, et al. Toxicol Lett 1983 Sep;18(3):323–30

[Relation between the binding of 3H-imipramine and the uptake of catecholamines in synaptosomal preparations of the rat brain after chronic treatment with imipramine] Dagonneau H, et al. C R Soc Biol (Paris) 1984;178(1):38–44 (Eng. Abstr.) (Fre)

[Correlation between the property changes of opiate receptors and the structural integrity of synaptosomes] Kurochkin IN, et al. Biokhimiia 1984 Jun;49(6):948–52 (Eng. Abstr.) (Rus)

[Release of 14C-acetylcholine from synaptosomes as affected by presynaptic neurotoxins from bee and cobra venoms--phospholipases A2] Terletskaia IaT, et al. Biokhimiia 1983 Nov;48(11):1799–803 (Eng. Abstr.) (Rus)

[Luliberin of the synaptosomal fraction of the mediobasal hypothalamus in male rats and a change in its level as affected by monoamines] Babichev VN, et al. Biull Eksp Biol Med 1984 Aug;97(8):134–7 (Eng. Abstr.) (Rus)

[Effect of antioxidants on the release of 3H-serotonin by rat brain synaptosomes] Kovaleva ES, et al. Biull Eksp Biol Med 1983 Oct;96(10):55–7 (Eng. Abstr.) (Rus)

[Effect of prolonged hypokinesia on the biogenic amine content of rat brain synaptosomes] Panusheva NN. Biull Eksp Biol Med 1983 Dec;96(12):12–4 (Eng. Abstr.) (Rus)

[Monoacylglycerophosphatide formation during ligand-receptor interaction in the plasma membranes of brain synaptosomes. A possible mechanism of receptor desensitization] Kreps EM, et al. Dokl Akad Nauk SSSR 1983;273(3):753–7 (Rus)

[Characteristics of uptake of neurotransmitter amino acids in brain preparations of aging albino rats] Aprikian GV, et al. Fiziol Zh 1984 Jan-Feb;30(1):69–73 (Eng. Abstr.) (Rus)

[Uptake of gamma-aminobutyric acid and glutamate decarboxylase activity in synaptosomes of various regions of the brain of rats in adrenalectomy and in subsequent hydrocortisone administration] Mishunina TM, et al. Ukr Biokhim Zh 1983 Nov-Dec;55(6):647–51 (Eng. Abstr.) (Rus)

[Effect of M-and N-cholinolytics on the content of Ca2+ in synaptosomes and metabolism of phosphoinositols in the rat brain] Sukhovskaia TA, et al. Vopr Med Khim 1983 Sep-Oct;29(5):51–4 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Alterations of the synaptosomal membrane 'microviscosity' in the brain cortex of rats during aging and centrophenoxine treatment. Nagy K, et al. Arch Gerontol Geriatr 1983 Jul;2(1–2):23–39

Effects of ammonia on synaptosomal membranes. O'Connor JE, et al. Biochem Biophys Res Commun 1984 Mar 15; 119(2):516–23

Effect of glucose and pyruvate metabolism on membrane potential in synaptosomes. Aiuchi T, et al. Biochim Biophys Acta 1984 Apr 11;771(2):228–34

Characteristics of the interaction between neuro-excitatory substances and receptors on the neuronal membrane. Migani P, et al. Boll Soc Ital Biol Sper 1984 May 30;60 Suppl 4:85–91

Taxol stabilizes synaptosomal microtubules without inhibiting acetylcholine release. Burgoyne RD, et al. Brain Res 1983 Nov 28;280(1):190–3

Differential inhibition of the release of endogenous and newly synthesized acetylcholine from Torpedo synaptosomes by presynaptic muscarinic receptors. Luz S, et al. FEBS Lett 1983 Nov 28;164(1):9–12

Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes is inhibited by fluphenazine at a step after calcium entry. Robinson PJ, et al. J Neurochem 1984 Sep;43(3):659–67

Depolarisation-dependent protein phosphorylation in rat cortical synaptosomes: factors determining the magnitude of the response. Robinson PJ, et al. J Neurochem 1983 Oct; 41(4):909–18

The calmodulin antagonists, trifluoperazine and R24571, depolarize the mitochondria within guinea pig cerebral cortical synaptosomes. Snelling R, et al. J Neurochem 1984 Jun;42(6):1552–7

Depolarization-induced increase in synaptosomal membrane calcium monitored by chlorotetracycline fluorescence. Hoss W, et al. Membr Biochem 1984;5(3):209–23

Depolarization-dependent protein phosphorylation in rat cortical synaptosomes: the effects of calcium, strontium and barium. Robinson PJ, et al. Neurosci Lett 1983 Dec 23; 43(1):85–90

Micromolar-affinity benzodiazepine receptors regulate voltage-sensitive calcium channels in nerve terminal preparations. Taft WC, et al. Proc Natl Acad Sci USA 1984 May;81(10):3118–22

[In vitro demonstration of the effect of lindane on isolated synaptosome preparations] Narbonne P, et al. C R Seances Acad Sci [III] 1983;296(17):811–4 (Eng. Abstr.) (Fre)

[Changes in the synaptosomal membranes in the chronic neurotization of rats] Avdulov NA, et al. Biull Eksp Biol Med 1984 Aug;97(8):209–11 (Eng. Abstr.) (Rus)

[Is a change in the microviscosity and asymmetrical distribution of phospholipids in the membrane a necessary condition for signal transmission? A comparison of the mechanisms of signal transmission in the plasma membranes of the brain synaptosomes and retinal photoreceptor membranes] Kagan VE, et al. Zh Evol Biokhim Fiziol 1984 Jan-Feb;20(1):9–16 (Eng. Abstr.) (Rus)

SECRETION

Effect of kainic acid on the release of exogenous neurotransmitters from synaptosome preparations. Poli A, et al. Boll Soc Ital Biol Sper 1984 May 30;60 Suppl 4:93–8

Functional evidence that chronic drugs induce adaptive changes of central autoreceptors regulating serotonin release. Maura G, et al. Eur J Pharmacol 1984 Jan 27; 97(3–4):309–13

Stimulation of [3H]gamma-aminobutyric acid release by calcium chelators in synaptosomes. Arias C, et al. J Neurochem 1984 Jun;42(6):1507–14

The regulation of 5-hydroxytryptamine release from superfused synaptosomes by 5-hydroxytryptamine and its immediate precursors. Suter HA, et al. Neurochem Res 1983 Jun;8(6):723–30

Plasma membrane of Torpedo synaptosomes: morphological changes during acetylcholine release and evidence for a specific protein. Morel N. Prog Brain Res 1983;58:31–8

ULTRASTRUCTURE

Distribution of spinal cord nerve endings containing various neurotransmitters on a continuous density gradient. Bucsics A, et al. J Neurochem 1984 Mar;42(3):692–7

Rapid preparation of synaptosomes from mammalian brain using nontoxic isoosmotic gradient material (Percoll). Nagy A, et al. J Neurochem 1984 Oct;43(4):1114–23

Optimal fixation of chick synaptosomes using different osmotic pressures. Anthony FA, et al. Neurochem Res 1984 Apr;9(4):587–93

The maturation of post-synaptic densities in chicken forebrain. Rostas JA, et al. Neurosci Lett 1984 Apr 6; 45(3):297–304

SYNCHROCYCLOTRONS see PARTICLE ACCELERATORS

SYNCHROTRONS see PARTICLE ACCELERATORS

SYNCOPE

[Is there a place for amiodarone in the treatment of the Romano–Ward syndrome?] Rumboldt Z. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):68–70 (Eng. Abstr.) **(Scr)**

BLOOD

Biochemical changes in two subjects succumbing to syncope. Vingerhoets AJ. **Psychosom Med** 1984 Mar–Apr; 46(2):95–103

CHEMICALLY INDUCED

Clonidine overdose from minimal ingestion. Anagnos DJ, et al. **Ala Med** 1984 Mar;53(9):26–7

Sotalol, hypokalaemia, syncope, and torsade de pointes. McKibbin JK, et al. **Br Heart J** 1984 Feb;51(2):157–62

[Syncope caused by methacholine exercise-induced cholinergic analphylaxis] van Assendelft AH. **Duodecim** 1984;100(10):623–6 **(Fin)**

COMPLICATIONS

Repeated self-induced syncope and subsequent seizures. A case report. Lai CW, et al. **Arch Neurol** 1983 Dec; 40(13):820–3

Fainting attacks and unusual T waves. Hancock EW. **Hosp Pract [Off]** 1984 Aug;19(8):61, 64

Trigeminal neuralgia associated with seizure and syncope. Case report. Kapoor WN, et al. **J Neurosurg** 1984 Sep; 61(3):594–5

[Left atrial myxoma and calcified aortic stenosis in a patient with syncope] Dalmasso M, et al. **G Ital Cardiol** 1983 Sep; 13(9):202–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Prospective evaluation of syncope. Martin GJ, et al. **Ann Emerg Med** 1984 Jul;13(7):499–504

Syncope. Ormerod AD. **Br Med J [Clin Res]** 1984 Apr 21; 288(6425):1219–22

Long-term follow-up of patients with recurrent unexplained syncope evaluated by electrophysiologic testing. Morady F, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1053–9

The eyes in hysterical states of unconsciousness. Rosenberg ML. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):259–60

Heat disorders in industry. A reevaluation of diagnostic criteria. Dinman BD, et al. **J Occup Med** 1984 Jul; 26(7):489–95

Evaluation of patients with syncope [letter] **N Engl J Med** 1983 Dec 29;309(26):1650–2

Syncope in a general hospital patient population. Usefulness of the radionuclide brain scan, electroencephalogram, and 24-hour Holter monitor. Gendelman HE, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1161–5

[Syncope and fainting in patients with a cardiac pacemaker] Dodinot B, et al. **Ann Cardiol Angeiol (Paris)** 1983 Oct; 32(6):399–407 (Eng. Abstr.) **(Fre)**

[Diagnosis of syncopes in suspected arrhythmias] Weber H, et al. **Acta Med Austriaca** 1984;11(3–4):91–100 (65 ref.) (Eng. Abstr.) **(Ger)**

[Case of latent functional sinoatrial block II of the Wenckebach type with syncope attacks] Dwornikiewicz W, et al. **Pol Tyg Lek** 1983 Sep 26;38(39):1223–5 (Eng. Abstr.) **(Pol)**

[Disorders of consciousness] Kokot F. **Przegl Lek** 1984; 41(2):235–45 **(Pol)**

[Differential diagnostic value of bicycle ergometry in clinical variants of syncopal states] Stakhovskaia LV. **Zh Nevropatol Psikhiatr** 1984;84(6):903–7 (Eng. Abstr.) **(Rus)**

[Changes in paroxysmal activity, spectral characteristics of the EEG and visual evoked potentials after sleep deprivation in patients with epilepsy and syncope] Veln AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):831–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Presentation of acute myocardial infarction in the elderly—a review. MacDonald JB. **Age Ageing** 1984 Jul;13(4):196–200

Factors that predict syncope during ventricular tachycardia in patients. Hamer AW, et al. **Am Heart J** 1984 May;107(5 Pt 1):997–1005

Visually provoked complete atrioventricular block: an unusual form of deglutition syncope. Drake CE, et al. **Am J Cardiol** 1984 May 1;53(9):1408–9

Diagnostic efficacy of 24-hour electrocardiographic monitoring for syncope. Gibson TC, et al. **Am J Cardiol** 1984 Apr 1;53(8):1013–7

Electrophysiologic testing in bundle branch block and unexplained syncope. Morady F, et al. **Am J Cardiol** 1984 Sep 1;54(6):587–91

Pacemaker-induced sustained ventricular tachycardia. Tibbits PA, et al. **Am J Cardiol** 1984 Aug 1;54(3):454–5

Carotid sinus hypersensitivity. Case report and review of the literature. Coplan NL, et al. **Am J Med** 1984 Sep; 77(3):561–5

Painless aortic dissection: an unusual cause of syncope. Kuhlmann TP, et al. **Ann Emerg Med** 1984 Jul;13(7):549–51

Carotid sinus massage and the diagnosis of syncope [letter] Coplan NL. **Ann Intern Med** 1984 Aug;101(2):282

Issues in evaluating patients with syncope. Kapoor W, et al. **Ann Intern Med** 1984 May;100(5):755–7

Myopotential inhibition of a ventricular demand pacemaker in a patient with Parkinson's disease. Mehl SJ, et al. **Arch Intern Med** 1983 May;143(5):1026–7

Ventricular standstill despite normal electrophysiology study: a further possible indication for pacing. Tonkin AM, et al. **Aust NZ J Med** 1983 Oct;13(5):504–8

Giant cell (temporal) arteritis presenting with syncope. Cocksedge SH, et al. **Clin Rheumatol** 1984 Jun;3(2):235–7

Syncope. Medina RP, et al. **Curr Probl Cardiol** 1983 Sep; 8(6):1–50

Recurrent syncope due to systemic mastocytosis [clinical conference] Roberts LJ 2d. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):285–94

Pheochromocytoma presenting as recurrent syncope resulting from ventricular tachycardia—an unusual presentation. Kaul U, et al. **Indian Heart J** 1984 Mar–Apr; 36(2):118–20

The role and limitations of electrophysiologic testing in patients with unexplained syncope. Morady F, et al. **Int J Cardiol** 1983 Sep;4(2):229–34

Simultaneous EEG/ECG recordings during prolonged status syncopus. Physiopathological considerations on a case. De Riu PL, et al. **Ital J Neurol Sci** 1983 Dec;4(4):499–502

Syncope in the elderly. Kahn A Jr. **J Arkansas Med Soc** 1984 Mar;80(10):447–8

Vestibular dysfunction presenting as syncope. Chisholm JC Jr. **J Natl Med Assoc** 1983 Nov;75(11):1101–2

Syncope from head and neck cancer. Macdonald DR, et al. **J Neurooncol** 1983;1(3):257–67

Atypical cough syncope. Strauss MJ, et al. **JAMA** 1984 Apr 6;251(13):1731

Attributed causes for syncope in the elderly. Jawad F. **JPMA** 1984 Jun;34(6):145–6

Carotid sinus hypersensitivity: a cause of syncope in patients with tumors of the head and neck. Muntz HR, et al. **Laryngoscope** 1983 Oct;93(10):1290–3

Syncope induced by glossopharyngeal neuralgia: sympathetic outflow to muscle. Wallin BG, et al. **Neurology (NY)** 1984 Apr;34(4):522–4

Percutaneous glossopharyngeal thermocoagulation complicated by syncope and seizures. Ori C, et al. **Neurosurgery** 1983 Oct;13(4):427–9

Brainstem ischemia and syncope [letter] Imparato AM. **NY State J Med** 1984 Mar;84(3 Pt 1):106

Carotid body tumor as reversible cause of recurrent syncope. Rosenkranz L, et al. **NY State J Med** 1984 Jan;84(1):38–9

Diagnostic assessment of recurrent syncope. Sharma AD, et al. **PACE** 1984 Jul;7(4):749–59

Syncope in the Wolff–Parkinson–White syndrome: incidence and electrophysiologic correlates. Yee R, et al. **PACE** 1984 May;7(3 Pt 1):381–8

Life-threatening vagal reactions associated with percutaneous cholecystostomy. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):377–80

[Carotid sinus hypersensitivity. Median-term development as a function of treatment and symptoms] Blanc JJ, et al. **Arch Mal Coeur** 1984 Mar;77(3):330–6 (Eng. Abstr.) **(Fre)**

[Acute, syncopal auriculo-ventricular block in Lyme disease (letter)] Cornuau C, et al. **Presse Med** 1984 Mar 31; 13(14):888 **(Fre)**

[Paroxysmal atrioventricular block, cause of syncope in pulmonary embolism. 2 cases] Wilner C, et al. **Presse Med** 1983 Dec 24;12(47):2987–9 (Eng. Abstr.) **(Fre)**

[Loss of consciousness during benign intracranial hypertension. Correlations between cerebrospinal fluid pressure and the electroencephalogram] Jedynak CP, et al. **Rev Neurol (Paris)** 1984;140(3):217–21 (Eng. Abstr.) **(Fre)**

[The significance of falling in geriatrics] Falck I. **Z Gerontol** 1983 Nov–Dec;16(6):254–9 (Eng. Abstr.) **(Ger)**

[Electrophysiologic examination of incomplete trifascicular block associated with syncope] Veress G, et al. **Orv Hetil** 1983 Sep 18;124(38):2315–7 (Eng. Abstr.) **(Hun)**

[Dynamic, ambulatory (Holter) electrocardiography monitoring in the diagnostic study of patients with neurologic manifestations] Assad Morell JL, et al. **Rev Invest Clin** 1983 Oct–Dec;35(4):279–84 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[The Romano–Ward syndrome. Description of a clinical case and the study of 3 generations] Suárez–Pinilla MA, et al. **Med Clin (Barc)** 1984 Mar 24;82(11):499–501 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Cases of death as a result of micturition syncopes] Gerlach D. **Beitr Gerichtl Med** 1984;42:143–53 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Orthostatic reactions during recovery from exhaustive exercise of short duration. Bjurstedt H, et al. **Acta Physiol Scand** 1983 Sep;119(1):25–31

Utility of electrophysiologic studies in the management of tachycardia, sudden death, and syncope. Bardy GH, et al. **Ann NY Acad Sci** 1984;427:16–39 (100 ref.)

24 hours ambulatory monitoring in syncope. Sathyamurthy I, et al. **Indian Heart J** 1983 May–Jun;35(3):149–55

Electrophysiologic testing in the upright position: improved evaluation of patients with rhythm disturbances using a tilt table. Hammill SC, et al. **J Am Coll Cardiol** 1984 Jul; 4(1):65–71

Bradycardia, ventricular pauses, syncope, and sports. Ector H, et al. **Lancet** 1984 Sep 15;2(8403):591–4

EEG in cough syncope. DeMaria AA Jr, et al. **Neurology (NY)** 1984 Mar;34(3):371–4

On the triggering mechanism of vasovagal syncope. Henry JP. **Psychosom Med** 1984 Mar–Apr;46(2):91–3

[Syncope seen at an oral clinic—analysis of 48 cases] Zha QM. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec; 18(4):229–30 **(Chi)**

[Plateau wave, unexpected cause of anoxo-ischemic syncope. Reflections on the pathogenesis of the plateau wave apropos of a case] Chazal J, et al. **Neurochirurgie** 1984; 30(4):277–81 (Eng. Abstr.) **(Fre)**

[Micturition syncope] Lambiase M, et al. **Acta Neurol (Napoli)** 1984 Feb;6(1):60–77 (Eng. Abstr.) **(Ita)**

[Clinical and hemodynamic aspects of 2 cases of the cough-syncope syndrome] Głuszko P, et al. **Pol Tyg Lek** 1983 Aug 29;38(35):1079–81 (Eng. Abstr.) **(Pol)**

[Case of the cough-syncope syndrome] Miriasov VM, et al. **Klin Med (Mosk)** 1984 Jun;62(6):124–6 **(Rus)**

PSYCHOLOGY

Syncope in aircrew. Sledge WH, et al. **Aviat Space Environ Med** 1982 Mar;53(3):258–65

[Psychopathologic aspects of the nonspecific syncope syndromes] Ravizza L, et al. **Minerva Psichiatr** 1984 Jan–Mar;25(1):37–47 (Eng. Abstr.) **(Ita)**

THERAPY

Vasovagal syncope in children requiring pacemaker implantation. Sapire DW, et al. **Am Heart J** 1983 Dec; 106(6):1406–11

Carotid sinus hypersensitivity and syncope. Sugrue DD, et al. **Mayo Clin Proc** 1984 Sep;59(9):637–40

The role of rate hysteresis pacing in the hypersensitive carotid sinus syndrome. Morley CA, et al. **PACE** 1983 Nov; 6(6):1224–8

[Analysis of 20 clinical cases of syncope] Shen FQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):223–5 **(Chi)**

[Carotid sinus syndrome. Electrostimulation treatment. Apropos of a case] Goicolea FJ, et al. **Rev Esp Cardiol** 1983;36(6):513–6 (Eng. Abstr.) **(Spa)**

VETERINARY

ECG of the month. Syncope. Kittleson MD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):158–9

SYNDACTYLIA

COMPLICATIONS

Poland's syndrome and lymphoma [letter] Hershatter BW, et al. **Am J Dis Child** 1983 Dec;137(12):1211–2

Median cleft lip, polydactyly, syndactyly and toe anomalies in a non-Indian infant. Christophorou MN, et al. **Br J Plast Surg** 1983 Oct;36(4):447–8

Silver–Russell syndrome with absence of digits and syndactylism of the fingers. Keppen LD, et al. **Clin Genet** 1983 Dec;24(6):453–5

Severe limb deficiency in Poland's syndrome. Gausewitz SH, et al. **Clin Orthop** 1984 May;(185):9–13

Poly-syndactyly of hands and feet with talipes equino-varus. An unusual combination. Gadegone WM, et al. **J Hand Surg [Br]** 1984 Jun;9(2):149–50

Poland–Möbius syndrome associated with dextrocardia. Bosch–Banyeras JM, et al. **J Med Genet** 1984 Feb; 21(1):70–1

DIAGNOSIS

[Ito syndrome from the orthopedic viewpoint] Stein V, et al. **Beitr Orthop Traumatol** 1983 Oct;30(10):546–9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

A familial reciprocal translocation t(3;7) (p21.1;p13) associated with the Greig polysyndactyly-craniofacial anomalies syndrome. Tommerup N, et al. **Am J Med Genet** 1983 Nov;16(3):313–21

Renal agenesis as a diagnostic feature of the cryptophthalmos-syndactyly syndrome. Lurie IW, et al. **Clin Genet** 1984 Jun;25(6):528–32

Syndactyly type I in six generations of a large Mexican family. Zavala C, et al. **Rev Invest Clin** 1983 Apr–Jun; 35(2):163–5

PATHOLOGY

[Polysyndactyly with complex cardiopathy. Apropos of 3 cases in the same family] Bonneau JC, et al. **J Genet Hum** 1983 Jun;31(2):93–105 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Poland–Möbius syndrome. Apropos of 2 cases] Fontaine G, et al. **Arch Fr Pediatr** 1984 May;41(5):351–2 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Greig's syndrome. Neonatal radiologic manifestations] Merlob P, et al. **J Radiol** 1984 Mar;65(3):187–9 (Eng. Abstr.) **(Fre)**

SURGERY

A fortuitous donor site for full–thickness skin grafts in the correction of syndactyly. Rowsell AR, et al. **Br J Plast Surg** 1984 Jan;37(1):31–4

Aphalangia, adactylia, anterior cavus, and limb length inequality. A case report. Dabdoub W, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):441–7

[Preliminary report of the results of syndactyly surgery] Helbig B, et al. **Handchir Mikrochir Plast Chir** 1984 Mar; 16(1):44–7 (Eng. Abstr.) **(Ger)**

[Syndactylia results] Rolle A, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):52–5 (Eng. Abstr.) **(Ger)**

[Distraction method of preparing for skin plasty in syndactyly] Gudushauri ON, et al. **Ortop Travmatol Protez** 1983 Nov;(11):25–7 (Eng. Abstr.) **(Rus)**

SYNDROME see under **DISEASE**

SYNEPHRINE

ADMINISTRATION & DOSAGE

[Clinical observation on synephrine and N–methyltyramine in the treatment of 53 cases with shock] Huang YK. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):95–6 (Eng. Abstr.) **(Chi)**

METABOLISM

The metabolism and biosynthesis of (+/–)–o–octopamine and (+/–)–o–synephrine in the rat. James MI, et al. **J Pharm Pharmacol** 1983 Sep;35(9):559–65

SYNGAMUS

ANATOMY & HISTOLOGY

[Cyathostoma variegatum (Creplin, 1849) Chapin, 1925 and Cyathostoma lari Blanchard, 1849 (Nematoda, Syngamidae) in Poland] Okulewicz A. **Wiad Parazytol** 1984;30(1):53–6 (Eng. Abstr.) **(Pol)**

SYNOSTOSIS

DIAGNOSIS

Proximal tibiofibular synostosis. Gamble JG. **J Pediatr Orthop** 1984 Mar;4(2):243–5

[Primary synostosis of the tarsus in children. Apropos of 32 cases in 20 patients] Dutoit M, et al. **Rev Chir Orthop** 1984; 70(3):231–43 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Post–traumatic radioulnar synostosis. A report of two cases. Maempel FZ. **Clin Orthop** 1984 Jun;(186):182–5

[Superior radio–ulnar synostosis following fracture of the neck of the radius in children. Apropos of 4 cases] Lefort J, et al. **Rev Chir Orthop** 1984;70 Suppl 2:105–9 **(Fre)**

FAMILIAL & GENETIC

Multiple synostosis syndrome: study of a large Brazilian kindred. da–Silva EO, et al. **Am J Med Genet** 1984 Jun; 18(2):237–47

PATHOLOGY

Humeroradioulnar synostosis appearing as distal humeral bifurcation in a patient with distal phocomelia of the upper limbs and radial ectrodactyly [letter] Leroy JG, et al. **Am J Med Genet** 1984 Jun;18(2):365–8

Thanatophoric dwarfism and 'cloverleaf skull' syndrome: a neuropathological report. Galatioto S, et al. **Pathologica** 1984 Mar–Apr;76(1042):255–61

[Degenerative blockbuilding between the 2d and 3d cervical vertebrae] Kock C, et al. **Z Orthop** 1984 May–Jun; 122(3):274–7 (Eng. Abstr.) **(Ger)**

[Congenital carpal and inferior radio–ulnar synostosis. A clinical case] Leo A, et al. **Chir Organi Mov** 1981–82; 67(6):725–9 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Congenital metatarsal synostosis. Boccio JR, et al. **J Foot Surg** 1984 Jan–Feb;23(1):41–5

Cephalometric radiography and computed tomography in infants undergoing major craniofacial surgery—a comparison. Lilja J, et al. **Scand J Plast Reconstr Surg** 1983; 17(1):63–72

Case report 277. Occipitalization of the atlas with severe cord compression. Malhotra V, et al. **Skeletal Radiol** 1984; 12(1):55–8

Unilateral synostosis of C3–C4 facet in subluxated position. A case report. Lester DK, et al. **Spine** 1984 Apr;9(3):322–4

[Dysontogenetic blockbuilding of the vertebrae at the lumbo dorsal junction] Tändler P, et al. **Z Orthop** 1984 May–Jun; 122(3):272–3 (Eng. Abstr.) **(Ger)**

SURGERY

The clinical significance of bilateral synostosis of the lambdoid suture and the usefulness of its treatment. Kaiser G. **Childs Brain** 1984;11(2):87–98

Congenital radioulnar synostosis. Simmons BP, et al. **J Hand Surg** 1983 Nov;8(6):829–38

Congenital radio–ulnar synostosis. Miura T, et al. **J Hand Surg [Br]** 1984 Jun;9(2):153–5

[Excessively long calcaneal spur. A rudimentary form of calcaneo–navicular synostosis] Hardy J, et al. **Rev Chir Orthop** 1983;69(7):567–72 (Eng. Abstr.) **(Fre)**

SYNOVIAL CYST

Cutaneous synovial cyst. A case report and review. Reynolds FD, et al. **J Am Podiatry Assoc** 1984 Jan;74(1):42–5

COMPLICATIONS

Ganglion cysts and tear of triangular fibrocartilages of both wrists in a cheerleader. Tehranzadeh J, et al. **Am J Sports Med** 1983 Sep–Oct;11(5):357–9

Hip pain caused by cystic deformation of the labrum acetabulare. Ueo T, et al. **Arthritis Rheum** 1984 Aug; 27(8):947–50

Irritative neuritis of the dorsal sensory branch of the ulnar nerve from underlying ganglion. Lucas GL. **Clin Orthop** 1984 Jun;(186):216–9

Computerized tomography in diagnosis of compression of the common peroneal nerve by ganglion cysts. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):343–5

Lumbar nerve root compression by synovial cysts of the ligamentum flavum. Report of four cases. Abdullah AF, et al. **J Neurosurg** 1984 Mar;60(3):617–20

Compression of the palmar cutaneous nerve by ganglions of the wrist. Gessini L, et al. **J Neurosurg Sci** 1983 Oct–Dec;27(4):241–3

Ulnar compression neuropathy due to an occult post–traumatic synovial cyst. Barss P. **Med J Aust** 1984 Mar 31;140(7):428–9

[Exercise–related popliteal artery obstruction caused by Baker's cyst] Christensen O. **Tidsskr Nor Laegeforen** 1984 Feb 20;104(5):308–10 (Eng. Abstr.) **(Nor)**

DIAGNOSIS

Baker's cyst masquerading as acute thrombophlebitis: the necessity for precise diagnosis. O'Connor TJ, et al. **Ala J Med Sci** 1984 Jan;21(1):84–5

Popliteal masses masquerading as popliteal cysts. Griffiths HT, et al. **Ann Rheum Dis** 1984 Feb;43(1):60–2

Nuclear magnetic resonance (NMR) tomographic imaging for popliteal cysts in rheumatoid arthritis. Hull RG, et al. **Ann Rheum Dis** 1984 Feb;43(1):56–9

Plantar synovial cyst. A large and unusual case. Whittaker DF, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):96–7

Foot drop, mimicking neuritic leprosy induced by a Baker's cyst. Sengupta P, et al. **Lepr India** 1983 Jul;55(3):480–2

Rupture of Baker's cyst mimicking deep–vein thrombosis. Brighton SW, et al. **S Afr Med J** 1984 Apr 21;65(16):649–50

[Echography for the differentiation between a ruptured cyst of the popliteal space and thrombosis of the deep veins of the calf] van der Woude GJ, et al. **Ned Tijdschr Geneeskd** 1984 Apr 14;128(15):699–703 (Eng. Abstr.) **(Dut)**

[Deep venous thrombosis or ruptured popliteal cyst? Value of echotomography as the 1st examination (letter)] Maroko I, et al. **Presse Med** 1984 Jun 23;13(26):1631–2 **(Fre)**

[Pseudophlebitic forms of popliteal cysts] Parrot M, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2683–6 (Eng. Abstr.) **(Fre)**

[Popliteal cysts] Siggelkow G, et al. **Beitr Orthop Traumatol** 1983 Aug;30(8):422–6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Electrocardiogram of the month. Vagotonia. Jones KG. **J Arkansas Med Soc** 1984 Jul;81(2):128–9

ETIOLOGY

Anterior tibial mass: an unusual complication of popliteal cysts. O'Dell JR, et al. **Arthritis Rheum** 1984 Jan; 27(1):113–5

Popliteal cyst involvement with gonococcal arthritis–dermatitis syndrome. Weiner SR, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):141–3

[Case of atypical post–traumatic cyst of the popliteal fossa] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(4):409–11 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Compression syndrome of the popliteal vein and artery caused by popliteal cyst. Ikeda M, et al. **Angiology** 1984 Apr;35(4):245–51

Synovial cyst and ulnar nerve entrapment. A case report. Keret D, et al. **Clin Orthop** 1984 Sep;(188):213–6

Synovial cyst of the temporomandibular joint. A case report. Reychler H, et al. **J Maxillofac Surg** 1983 Dec;11(6):284–6

Pseudothrombophlebitis: Baker's cyst masquerading as thrombophlebitis. Smith VT. **Tex Med** 1983 Dec; 79(12):48–9

RADIOGRAPHY

Gas in a lumbar extradural juxtaarticular cyst: sign of synovial origin. Schulz EE, et al. **AJR** 1984 Oct; 143(4):875–6

Radiology quiz. Ruptured Baker's cyst. Pérez González M. **Bol Asoc Med PR** 1983 Sep;75(9):424–5

Computed tomography in the diagnosis of a rare plantar ganglion cyst in a child. Case report. Engdahl DE, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1348–9

CT findings of suprapatellar synovial cysts. Lee KR, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):296–9

Calcified bodies in a giant Baker's cyst. A case report. Hertzanu Y, et al. **S Afr Med J** 1984 Jun 16;65(24):973–4

[Vertebral joint ganglion] Gleim R, et al. **Z Orthop** 1984 May–Jun;122(3):239–42 (Eng. Abstr.) **(Ger)**

[Intra–osseous ganglion] Friedel B, et al. **Zentralbl Chir** 1984; 109(11):757–9 **(Ger)**

SURGERY

Rotatory subluxation of the scaphoid after excision of dorsal carpal ganglion and wrist manipulation—a case report. Crawford GP, et al. **J Hand Surg** 1983 Nov;8(6):921–5

Spinal extradural benign synovial or ganglion cyst: case report and review of the literature. Pendleton B, et al. **Neurosurgery** 1983 Sep;13(3):322–6

Mucous cysts of digits [letter] Dobson RL. **South Med J** 1984 May;77(5):671

THERAPY

Cutaneous synovial cyst. A case report and review. Reynolds FD, et al. **J Am Podiatry Assoc** 1984 Jan;74(1):42–5

The dangers of sclerotherapy in the treatment of ganglia. Mackie IG, et al. **J Hand Surg [Br]** 1984 Jun;9(2):181–4

SYNOVIAL FLUID

ANALYSIS

Quantitation of human leukocyte elastase, cathepsin G, alpha–2–macroglobulin and alpha–1–proteinase inhibitor in osteoarthrosis and rheumatoid arthritis synovial fluids. Virca GD, et al. **Adv Exp Med Biol** 1984;167:345–53

Transmission electron microscopic identification of silicon–containing particles in synovial fluid: potential confusion with calcium pyrophosphate dihydrate and apatite crystals. Bardin T, et al. **Ann Rheum Dis** 1984 Aug; 43(4):624–7

Increased DNA and/or RNA content of synovial fluid cells in rheumatoid arthritis: a flow–cytometry study. Bonvoisin B, et al. **Ann Rheum Dis** 1984 Apr;43(2):222–7

Limulus assay for bacterial endotoxin in synovial fluid. Cesario T, et al. **Ann Rheum Dis** 1983 Oct;42(5):571–4

Surfactants identified in synovial fluid and their ability to act as boundary lubricants. Hills BA, et al. **Ann Rheum Dis** 1984 Aug;43(4):641–8

Usefulness of synovial fluid analysis in the evaluation of joint effusions. Use of threshold analysis and likelihood ratios to assess a diagnostic test. Eisenberg JM, et al. **Arch Intern Med** 1984 Apr;144(4):715–9

Acid labile alpha–interferon in sera and synovial fluids from patients with juvenile arthritis. Arvin AM, et al. **Arthritis Rheum** 1984 May;27(5):582–5

Characterization of synovial fluid fibronectin from patients with rheumatic inflammatory diseases and healthy subjects. Carnemolla B, et al. **Arthritis Rheum** 1984 Aug; 27(8):913–21

Metalloproteinases and collagenase inhibitors in rheumatoid synovial fluid. Cawston TE, et al. **Arthritis Rheum** 1984 Mar;27(3):285–90

Charcot–Leyden crystals in synovial fluid [letter] Dougados M, et al. **Arthritis Rheum** 1983 Nov;26(11):1416–6

Crystal populations in human synovial fluid. Identification of apatite, octacalcium phosphate, and tricalcium phosphate. McCarty DJ, et al. **Arthritis Rheum** 1983 Oct; 26(10):1220–4

Charcot–Leyden, not corticosteroid, crystals [letter] Menard HA, et al. **Arthritis Rheum** 1983 Dec;26(12):1533

Hyaluronic acid concentration in synovial fluid from normal and arthritic joints of horses. Hilbert BJ, et al. **Aust Vet J** 1984 Jan;61(1):22–4

The microheterogeneity of human transferrins in biological fluids. van Eijk HG, et al. **Clin Chim Acta** 1983 Aug 15; 132(2):167–71

Lack of sialic acid in synovial fluid fibronectin. Carnemolla B, et al. **FEBS Lett** 1984 Jun 11;171(2):285–8

Beta–thromboglobulin in inflammatory synovial fluid. Hällgren R, et al. **Inflammation** 1983 Dec;7(4):311–9

Factors influencing the incorporation of fibronectin into synovial fluid cryoprotein. Carsons S, et al. **J Lab Clin Med** 1983 Nov;102(5):722–31

Elevations in synovial fluid plasminogen activator in patients with rheumatoid arthritis. Mochan E, et al. **J Rheumatol** 1984 Apr;11(2):123–8

The mucin clot test and the synovial fluid rheumatoid factor

as diagnostic criteria in rheumatoid arthritis. Sibley JT, et al. **J Rheumatol** 1983 Dec;10(6):889–93

The approach to the acute joint and synovial fluid examination. Kolba KS. **Primary Care** 1984 Jun;11(2):211–8

Vitamin B12 binding proteins (transcobalamin and haptocorrin) in serum and synovial fluid of patients with rheumatoid arthritis and traumatic synovitis. Christensen PA, et al. **Scand J Rheumatol** 1983;12(3):268–72

Concentrations of prostaglandins D2, E2, F2 alpha, 6-keto-F1 alpha and thromboxane B2 in synovial fluid from patients with inflammatory joint disorders and osteoarthritis. Egg D. **Z Rheumatol** 1984 Mar-Apr; 43(2):89–96

Stifle synovial fluid analysis in buffaloes affected with upward fixation of the patella. Shokry M, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):314–7

[Information value of synovial fluid study in rheumatic diseases] Paskaleva-Pelcheva V. **Vutr Boles** 1983;22(4):6–10 (31 ref.) **(Bul)**

[Our experience with the determination of serum and synovial beta 2 microglobulin in rheumatology] Brousse A, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):25–7 **(Fre)**

[Effect of acid synovial fluid on articular cartilage in animal experiments] Trzenschik K, et al. **Beitr Orthop Traumatol** 1984 Apr;31(4):185–92 (Eng. Abstr.) **(Ger)**

[Differential diagnostic value of the immunochemical study of the synovial fluid] Corvetta A. **Recenti Prog Med** 1983 Dec;74(12):1424–8 **(Ita)**

[Fluorescence of the synovial fluid and tryptophan metabolism] Igari T. **Ryumachi** 1984 Apr;24(2):77–9 **(Jpn)**

[Calcium oxalate microcrystals associated with arthropathy of the knees in hemodialysis] Pascual Turón R, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):164–6 (Eng. Abstr.) **(Spa)**

[Determination of lactate as a complement to clinical diagnosis of bacterial arthritis] Berghard G, et al. **Lakartidningen** 1984 Jan 4;81(1–2):40–3 **(Swe)**

[Lactate determination in synovial fluid in the diagnosis and treatment of septic arthritis] Transö S, et al. **Lakartidningen** 1984 Jan 4;81(1–2):44–6 **(Swe)**

CYTOLOGY

Experimental arthritis induced by intraarticular injection of allogenic cartilaginous particles into rabbit knees. Evans CH, et al. **Arthritis Rheum** 1984 Feb;27(2):200–7

Joint fluid leukocytosis of patient with rheumatoid arthritis Computer analysis of possible explanative factors. Norberg B, et al. **Clin Rheumatol** 1983 Mar;2(1):53–6

Joint fluid leukocytosis of patients with rheumatoid arthritis evidence for neutrophil and monocyte chemotaxis in vivo. Norberg B, et al. **Clin Rheumatol** 1983 Sep;2(3):237–42

Cellular effects of human leukocyte hydrolases III: inflammatory exudate and synovial fibroblasts. Cogen RB, et al. **J Oral Pathol** 1984 Jun;13(3):320–6

Platelets in the synovial fluid of patients with rheumatoid arthritis. Farr M, et al. **Rheumatol Int** 1984;4(1):13–7

The effect of rheumatoid synovial fluid macrophages on DNA, glycosaminoglycan and collagen synthesis by synovial fibroblasts. Pulkki K, et al. **Rheumatol Int** 1983; 3(3):133–8

Analytical scanning and transmission electron microscopy and x-ray microdiffractometry of calcium pyrophosphate dihydrate crystal deposits in tissues. Cheng PT, et al. **Scan Electron Microsc** 1983;(Pt 1):369–77

Synovial fluid and blood monocyte influence on lymphocyte proliferation in rheumatoid arthritis and traumatic synovitis. Petersen J, et al. **Scand J Rheumatol** 1983; 12(3):299–304

Immunoelectronmicroscopic characterization of intracellular inclusions in synovial fluid cells of patients with rheumatoid arthritis. Cherian PV, et al. **Ultrastruct Pathol** 1983 Jul; 5(1):15–27

[Eosinophilic articular effusions. Apropos of a case] Doury P, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):29–31 **(Fre)**

DRUG EFFECTS

High-dose corticosteroid therapy: association with noninflammatory synovial effusions. Lally EV. **Arthritis Rheum** 1983 Oct;26(10):1283–7

[Effect of chloroquine diphosphate on the superhelix structure of DNA and protein synthesis in synovial cells in chronic polyarthritis] Bröll H. **Wien Klin Wochenschr** 1983 Dec 23;95(24):877–80 (Eng. Abstr.) **(Ger)**

[The influence of GAGPS on the viscosity of synovial fluid in activated arthrosis] Rainer F, et al. **Z Rheumatol** 1983 Jul-Aug;42(4):229–31 **(Ger)**

ENZYMOLOGY

Synovial protease/inhibitor ratios in erosive and nonerosive arthropathies. Pritchard MH. **Ann Rheum Dis** 1984 Feb; 43(1):50–5

Isolation of a collagenase cDNA clone and measurement of changing collagenase mRNA levels during induction in rabbit synovial fibroblasts. Gross RH, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):1981–5

Leukocyte elastase and free collagenase activity in synovial effusions: relation to numbers of polymorphonuclear leukocytes. Cohen G, et al. **Rheumatol Int** 1983;3(2):89–95

[Use of the proteinase inhibitor alpha 2-macroglobulin in synovial fluids of arthritis of different origins and its relation to serologic parameters] Borth W, et al. **Wien Klin Wochenschr** 1983 Dec 23;95(24):873–7 (Eng. Abstr.) **(Ger)**

[Study of lysosomal enzymes in human synovial membrane and fluid from rheumatoid and non-rheumatoid patients] Takahashi C, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1895–909 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Complement C3c and C3d in plasma and synovial fluid in rheumatoid arthritis. Berkowicz A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Dec; 91(6):397–402

Immune interferon in serum and synovial fluid in rheumatoid arthritis and related disorders. DeGré M, et al. **Ann Rheum Dis** 1983 Dec;42(6):672–6

Synovial synthesis of rheumatoid factors and immune complex constituents in early arthritis. Jones V, et al. **Ann Rheum Dis** 1984 Apr;43(2):235–9

Spontaneous and induced immunoglobulin secretion by synovial fluid B lymphocytes in rheumatoid arthritis. Petersen J, et al. **Ann Rheum Dis** 1984 Apr;43(2):140–5

Diminished activity of a chemotactic inhibitor in synovial fluids from patients with familial Mediterranean fever. Matzner Y, et al. **Blood** 1984 Mar;63(3):629–33

Cytokines and the chronic inflammation of rheumatic disease. I. The presence of interleukin-1 in synovial fluids. Nouri AM, et al. **Clin Exp Immunol** 1984 Feb;55(2):295–302

Distribution of activated B lymphocytes in the circulation and synovial fluid in rheumatoid arthritis. Bell DA, et al. **Clin Immunol Immunopathol** 1984 May;31(2):272–81

B cell differentiation factor in synovial fluid of patients with rheumatoid arthritis. Al-Balaghi S, et al. **Immunol Rev** 1984 Apr;78:7–23 (45 ref.)

Localised immune complexes and slipped upper femoral epiphysis. Morrissy RT, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):574–9

Interferon in synovial fluid and serum of patients with rheumatic disease. Cesario TC, et al. **J Rheumatol** 1983 Aug;10(4):647–50

HLA-DR positive T lymphocytes in blood and synovial fluid in rheumatoid arthritis. Kluin-Nelemans HC, et al. **J Rheumatol** 1984 Jun;11(3):272–6

Synovial T lymphocytes in rheumatoid arthritis. Warrington RJ, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:93–6

[Cytofluorometric study of the cell cycle and various lymphocyte differentiation membrane antigens in the synovial fluid in rheumatoid polyarthritis] Bonvoisin B, et al. **Rev Rhum Mal Osteoartic** 1984 Jun;51(6):311–6 (Eng. Abstr.) **(Fre)**

[Leukocyte migration inhibitory factor of synovial fluid lymphocytes in rheumatoid arthritis] Ogino M. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jan;58(1):59–67 (Eng. Abstr.) **(Jpn)**

[Chemotactic activity of the synovial fluid in patients with rheumatoid arthritis] Karimova FSh. **Ter Arkh** 1983; 55(7):38–42 (Eng. Abstr.) **(Rus)**

METABOLISM

Localization of 99mTc methylene diphosphonate within synovial fluid in osteosarcoma. Sandler MS, et al. **AJR** 1984 Aug;143(2):349–50

alpha 2-Macroglobulin in joint disease. Borth W, et al. **Ann NY Acad Sci** 1983;421:377–81

Leukotriene B4, a mediator of inflammation present in synovial fluid in rheumatoid arthritis. Davidson EM, et al. **Ann Rheum Dis** 1983 Dec;42(6):677–9

Eosinophil cationic protein in inflammatory synovial effusions as evidence of eosinophil involvement. Hällgren R, et al. **Ann Rheum Dis** 1984 Aug;43(4):556–62

Zinc and rheumatic disease [letter] Alegre C, et al. **Arthritis Rheum** 1984 Sep;27(9):1073–4

Synovial fluid lactic acid in septic and nonseptic arthritis. Arthur RE, et al. **Arthritis Rheum** 1983 Dec; 26(12):1499–505

Protective factors against oxygen free radicals and hydrogen peroxide in rheumatoid arthritis synovial fluid. Biemond P, et al. **Arthritis Rheum** 1984 Jul;27(7):760–5

Copper stimulated phospholipid membrane peroxidation: antioxidant activity of serum and synovial fluid from patients with rheumatoid arthritis. Gutteridge JM, et al. **Clin Chim Acta** 1984 May 16;139(1):85–90

Antirheumatic drug concentrations in human synovial fluid and synovial tissue. Observations on extravascular pharmacokinetics. Wallis WJ, et al. **Clin Pharmacokinet** 1983 Nov-Dec;8(6):496–522 (100 ref.)

Lipid peroxidation in rheumatoid arthritis: thiobarbituric acid-reactive material and catalytic iron salts in synovial fluid from rheumatoid patients. Rowley D, et al. **Clin Sci** 1984 Jun;66(6):691–5

Plasma and synovial fluid concentrations of diclofenac sodium and its major hydroxylated metabolites during long-term treatment of rheumatoid arthritis. Fowler PD, et al. **Eur J Clin Pharmacol** 1983;25(3):389–94

Diffusion of oxyphenbutazone into synovial fluid, synovial tissue, joint cartilage and cerebrospinal fluid. Gaucher A, et al. **Eur J Clin Pharmacol** 1983;25(1):107–12

Binding of piroxicam to synovial fluid and plasma proteins in patients with rheumatoid arthritis. Trnavská Z, et al. **Eur J Clin Pharmacol** 1984;26(4):457–61

The penetration of trimethoprim and sulphamethoxazole into synovial fluid. Sattar MA, et al. **J Antimicrob Chemother** 1983 Sep;12(3):229–33

Stimulation of prostaglandin synthesis in cultured rat synovial cells by a factor derived from polymorphonuclear leukocytes. Hashida R, et al. **Prostaglandins** 1984 May; 27(5):697–709

Decrease in crystal growth inhibition rate in the synovial fluid of patients with pseudogout. Hayashi Y, et al. **Ryumachi** 1983 Aug;23(4):202–5

[Comparative elimination of pirprofen from the plasma and synovial fluid of the knee. 26 cases] Schoeller JP, et al. **Presse Med** 1983 Sep 24;12(33):2045–7 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of ketoprofen in the synovial fluid] Kennedy AC. **Sem Hop Paris** 1983 Dec 12;59(46):3208–9 (Eng. Abstr.) **(Fre)**

[Transport of sodium diclofenac into synovial fluid] Gaucher A, et al. **Therapie** 1983 Jul-Aug;38(4):431–4 **(Fre)**

[Hydroxyproline in synovial exudates and serum of patients with rheumatoid arthritis] Szczepański L, et al. **Reumatologia** 1984;22(1):19–26 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Cultural proof of Neisseria gonorrhoeae in synovial fluid in disseminated gonococcal infection. Korting HC, et al. **Dermatologica** 1983;167(4):204–7

A sequential study of virus expression in retrovirus-induced arthritis of goats. Klevjer-Anderson P, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1519–25

[Indication of mycoplasmas in the synovial fluid of rheumatoid arthritis patients] Zheverzheeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):63–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Response of slowly adapting articular mechanoreceptors in the cat knee joint to alterations in intra-articular volume. Wood L, et al. **Ann Rheum Dis** 1984 Apr;43(2):327–32

The lubricating activity of human synovial fluids. Swann DA, et al. **Arthritis Rheum** 1984 May;27(5):552–6

Effect of heavy metals on human rheumatoid synovial cell proliferation and collagen synthesis. Goldberg RL, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2763–6

The correlation of clinical assessment of synovial fluid with its measured viscosity. Larkin JG, et al. **Br J Rheumatol** 1984 Aug;23(3):195–7

Joint lubrication. McCutchen CW. **Bull Hosp Jt Dis Orthop Inst** 1983 Fall;43(2):118–29

Interarticular differences in oncotic pressure of canine synovial fluid. Simkin PA, et al. **J Rheumatol** 1984 Feb; 11(1):14–6

Synovial response to laser induced carbon ash residue. Whipple TL, et al. **Lasers Surg Med** 1984;3(4):291–5

Synovial fluid pressure determination in the temporomandibular joint. Roth TE, et al. **Oral Surg** 1984 Jun;57(6):583–8

[Significance of the synovial pumping system on the biochemistry of the interior knee joint] Machan FG. **Zentralbl Chir** 1983;108(17):1105–11 (Eng. Abstr.) **(Ger)**

SYNOVIAL MEMBRANE

Histochemical characterization of mucosubstances in synovial sarcoma. Nakamura T, et al. **Am J Surg Pathol** 1984 Jun;8(6):429–34

Acute synovial rupture in Behçet's syndrome. Dawes PT, et al. **Ann Rheum Dis** 1983 Oct;42(5):591–2

Unusual aspects of synovial chondromatosis of the elbow. Dufour JP, et al. **Clin Rheumatol** 1984 Jun;3(2):247–51

Synovial chondrometaplasia of the hand: case report and review of the literature. Lucas GL, et al. **J Hand Surg [Am]** 1984 Mar;9(2):269–72

Synovial osteochondromatosis and pseudogout. Wise CM, et al. **J Rheumatol** 1984 Apr;11(2):229–32

[Experimental tumors of the synovial membrane of the knee. Ultramicroscopic studies of the induced tumors] De Santis E, et al. **Arch Putti Chir Organi Mov** 1983;33:381–8 (Eng. Abstr.) **(Ita)**

[A case of vascular hamartoma originating in the synovial membrane of the knee] Caravita C, et al. **Chir Organi Mov** 1982–83;68(1):127–30 (Eng. Abstr.) **(Ita)**

ANALYSIS

The effect of synovial iron on the progression of rheumatoid disease. A histologic assessment of patients with early rheumatoid synovitis. Blake DR, et al. **Arthritis Rheum** 1984 May;27(5):495–501

Sequential appearance of fibronectin and collagen fibres in experimental arthritis in rabbits. Høylund B, et al. **Histochemistry** 1984;80(1):39–44

The localization of fibronectin in rheumatoid arthritis synovium by light and electron microscopic immunohistochemistry. Matsubara T, et al. **Rheumatol Int** 1983;3(4):153–9

Surface membrane glycoproteins of macrophage-like synovial cells from rheumatoid and control patients. Kouri T, et al. **Scand J Immunol** 1984 Apr;19(4):359–64

BLOOD SUPPLY

Laminin and vascular proliferation in rheumatoid arthritis. Scott DL, et al. **Ann Rheum Dis** 1984 Aug;43(4):551–5

A study of microvasculature in normal and inflammatory synovial membranes in the rabbit using light and electron microscopy and freeze fracture. Dryll A, et al. **J Submicrosc Cytol** 1984 Apr;16(2):207–17

The density and distribution of capillaries around a synovial cavity. Knight AD, et al. **Q J Exp Physiol** 1983 Oct; 68(4):629–44

The thickening of basement membrane in synovial capillaries in rheumatoid arthritis. Matsubara T, et al. **Rheumatol Int** 1983;3(2):57–64

CYTOLOGY

In vitro activation of human chondrocytes and synoviocytes by a human interleukin-1-like factor. McGuire-Goldring MB, et al. **Arthritis Rheum** 1984 Jun;27(6):654–62

Connective tissue activating peptide III. Induction of synthesis and secretion of plasminogen activator by synovial fibroblasts. Ragsdale CG, et al. **Arthritis Rheum** 1984 Jun;27(6):663–7

Rheumatoid synovial cell hormone responses modulated by cell–cell interactions. Goldring SR, et al. **Inflammation** 1984 Mar;8(1):107–21

Lectin-dependent and lectin-independent activities of human mononuclear cells that modulate the growth of human synovial cells. Anastassiades TP, et al. **J Rheumatol** 1983 Aug;10(4):539–49

Mononuclear cell factors stimulate the concomitant secretion of distinct latent proteoglycan, gelatin and collagen degrading enzymes from human skin fibroblasts and synovial cells. Golds EE, et al. **J Rheumatol** 1983 Dec; 10(6):861–71

Synovial cell activation. Studies on the mechanism of action of synovial activator activity. Hamilton JA. **J Rheumatol** 1983 Dec;10(6):872–80

The role of the human synovial fibroblast in monosodium urate crystal-induced synovitis. Wigley FM, et al. **J Rheumatol** 1983 Aug;10(4):602–11

[Differentiation of cartilage cells of articular surfaces based on the example of the formation of synovial fossae] Loeffler K, et al. **Anat Histol Embryol** 1984 Mar;13(1):68–85 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Protection of cartilage in chemical synovectomy by perfusion. Szepesi J, et al. **Acta Chir Hung** 1984;25(3):193–9

Heparin modulates intracellular cyclic AMP in human trabecular bone cells and adherent rheumatoid synovial cells. Crisp AJ, et al. **Ann Rheum Dis** 1984 Aug; 43(4):628–34

Morphologic and mitogenic responses of rabbit synovial fibroblasts to transforming growth factor beta require transforming growth factor alpha or epidermal growth factor. Brinckerhoff CE. **Arthritis Rheum** 1983 Nov; 26(11):1370–9

The synovial response to intra-articular acrylic cement particles in guinea pigs. Meachim G, et al. **Biomaterials** 1984 Mar;5(2):69–74

The synovial response to intra-articular Co-Cr-Mo particles in guinea pigs. Meachim G, et al. **Biomaterials** 1983 Jul; 4(3):153–9

Studies into the mode of action of non-steroidal anti-inflammatory drugs using a model of facsimile synovium. Sedgwick AD, et al. **J Pharm Pharmacol** 1984 Mar;36(3):171–4

ENZYMOLOGY

Extracellular presence of the lysosomal proteinase cathepsin B in rheumatoid synovium and its activity at neutral pH. Mort JS, et al. **Arthritis Rheum** 1984 May;27(5):509–15

Studies on the release of proteolytic enzymes during synovium-induced cartilage breakdown in vitro and the actions of anti-inflammatory drugs. Crossley MJ, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1263–71

Effects of prostaglandin E2, indomethacin, trifluoperazine and drugs affecting the cytoskeleton on collagenase production by cultured adherent rheumatoid synovial cells. Dayer JM, et al. **Biochem Pharmacol** 1984 Sep 15; 33(18):2893–9

Effects of retinol and dexamethasone on cytokine-mediated control of metalloproteinases and their inhibitors by human articular chondrocytes and synovial cells in culture. McGuire-Goldring MK, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):129–39

Changes in cell shape correlate with collagenase gene expression in rabbit synovial fibroblasts. Aggeler J, et al. **J Cell Biol** 1984 May;98(5):1662–71

Cellular interactions and control of collagenase secretion in the synovium. Krane SM, et al. **J Rheumatol** 1983 Dec;10 Suppl 11:7–12

[Study of lysosomal enzymes in human synovial membrane and fluid from rheumatoid and non-rheumatoid patients] Takahashi C, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1895–909 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Deposits of complement in synovial vessels in Reiter's syndrome. A role for hydatid antigen? Sánchez Ibarrola A, et al. **Allergol Immunopathol (Madr)** 1983 Jul–Aug; 11(4):273–5

Synthesis of electrophoretically restricted IgG by cultured rheumatoid synovium. Hoffman WL, et al. **Arthritis Rheum** 1984 Sep;27(9):976–84

An immunoelectron-microscopic study of the immunoglobulin-synthesizing cells of the rheumatoid synovial membrane. Ishikawa H, et al. **Clin Orthop** 1984 May;(185):280–9

Eluted rheumatoid synovial tissue T cell subsets and HLA-DR bearing cells at different stages of fractionation. Egeland T, et al. **Clin Rheumatol** 1983 Mar;2(1):19–26

Presence of HLA-DR antigen on synovial type A and B cells: an immunoelectron microscopic study in rheumatoid arthritis, osteoarthritis and normal traumatic joints. Shiozawa S, et al. **Immunology** 1983 Dec;50(4):587–94

Immune inflammation in newly developing facsimile synovia. Sin YM, et al. **Int Arch Allergy Appl Immunol** 1984; 73(3):286–7

Observations on the responses of synovial lymphocytes to viral antigens in rheumatoid arthritis and Reiter's syndrome. Ford DK, et al. **J Rheumatol** 1983 Aug; 10(4):643–6

The tissue architecture of synovial membranes in inflammatory and non-inflammatory joint diseases. II. The localization of mononuclear cells as detected by monoclonal antibodies directed against T-lymphocyte subsets and natural killer cells. Koch B, et al. **Rheumatol Int** 1984;4(2):79–85

Hemophilic arthropathy—an immunologic study of the synovium. Andes WA, et al. **Scand J Haematol [Suppl]** 1984;40:221–4

T lymphocyte subclasses in rheumatoid synovia as analysed with monoclonal antibodies and functional in vitro tests. Ranki A, et al. **Scand J Rheumatol** 1984;13(1):67–76

[Immunohistological studies on lymphocyte infiltration in synovial membranes from patients with rheumatoid arthritis by means of monoclonal antibodies] Igari S, et al. **Ryumachi** 1984 Apr;24(2):94–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Synthesis of articular cartilage proteoglycans by isolated bovine chondrocytes. Effect of autogenous conditioned synovial medium in vitro. Kläm feldt A. **Agents Actions** 1984 Jan;14(1):58–62

Stimulation of glycosaminoglycan production and lysosomal activity of human synovial cells in culture by low environmental pH. Clarris BJ, et al. **Ann Rheum Dis** 1984 Apr;43(2):313–9

Amyloid in osteoarthritic hip joints: deposits in relation to chondromatosis, pyrophosphate, and inflammatory cell infiltrate in the synovial membrane and fibrous capsule. Ladefoged C. **Ann Rheum Dis** 1983 Dec;42(6):659–64

Studies on the clearance of calcium pyrophosphate crystals from facsimile synovium. Sin YM, et al. **Ann Rheum Dis** 1984 Jun;43(3):487–92

Cultured canine synovial cells solubilize 45Ca-labeled hydroxyapatite crystals. Evans RW, et al. **Arthritis Rheum** 1984 Jul;27(7):829–32

Mast cell products stimulate collagenase and prostaglandin E production by cultures of adherent rheumatoid synovial cells. Yoffe JR, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):270–6

The cartilage-resorbing protein catabolin is made by synovial fibroblasts and its production is increased by phorbol myristate acetate. Pilsworth LM, et al. **Biochem J** 1983 Nov 15;216(2):481–9

Extracellular matrix synthesis by articular chondrocytes and synovial fibroblasts in long-term monolayer culture. Hunter GK, et al. **Biochim Biophys Acta** 1984 Aug 17; 804(4):459–65

Degradation of cartilage proteoglycan and collagen by synovial cells. Stimulation by macrophages under activation by phagocytosis, lymphocyte factors, bacterial products or other inflammatory stimuli. Peeters-Joris C, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):474–86

Arachidonic acid metabolism by rabbit synovial cells in culture. Studies of non-cyclooxygenase pathways. Rothenberg RJ, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):257–65

Antirheumatic drug concentrations in human synovial fluid and synovial tissue. Observations on extravascular pharmacokinetics. Wallis WJ, et al. **Clin Pharmacokinet** 1983 Nov-Dec;8(6):496–522 (100 ref.)

Plasma membrane glycoproteins of cultured rheumatoid synovial fibroblasts. Kouri T, et al. **Clin Rheumatol** 1983 Jun;2(2):153–8

Diffusion of oxyphenbutazone into synovial fluid, synovial tissue, joint cartilage and cerebrospinal fluid. Gaucher A, et al. **Eur J Clin Pharmacol** 1983;25(1):107–12

Intracellular catabolin-like activity in cultured synovial tissue. Dingle JT, et al. **In Vitro** 1983 Dec;19(12):892–6

Lipid peroxidation in rat adjuvant arthritis and its inhibition by indomethacin. Yoshikawa T, et al. **J Appl Biochem** 1983 Dec;5(6):382–7

The influence of blood pressure on trans-synovial flow in the rabbit. Knight AD, et al. **J Physiol (Lond)** 1984 Apr; 349:27–42

Interleukin 1 enhances synovial cell hyaluronate synthesis. Hamerman D, et al. **Proc Soc Exp Biol Med** 1984 Oct; 177(1):205–10

Morphometry of the ultrastructure of the blood–joint barrier in the rabbit knee. Knight AD, et al. **Q J Exp Physiol** 1984 Apr;69(2):271–88

An analysis of the effect of synovial capillary distribution upon trans-synovial concentration profiles and exchange. Levick JR. **Q J Exp Physiol** 1984 Apr;69(2):289–300

Fibronectin in the synovium of chronic inflammatory joint disease. Mayston V, et al. **Rheumatol Int** 1984;4(3):129–33

Self-associating IgG rheumatoid factors stimulate monocytes to release prostaglandins and mononuclear cell factor that stimulates collagenase and prostaglandin production by synovial cells. Nardella FA, et al. **Rheumatol Int** 1983; 3(4):183–6

Lentil lectin-bound glycoproteins of cultured rheumatoid synovial cells. Kouri T, et al. **Scand J Rheumatol** 1983; 12(3):231–6

[Passage of nonsteroidal anti-inflammatory agents across the synovial membrane] Netter P, et al. **Presse Med** 1983 Sep 24;12(33):2049–52 (33 ref.) (Eng. Abstr.) **(Fre)**

[Effect of combined chrisanol and balneological treatment on the clinical indicators and permeability of the synovian membrane in patients with rheumatoid arthritis] Taletene IP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Infection of synovial tissue by Mycobacterium gordonae [letter] Berman LB. **Can Med Assoc J** 1983 Nov 15; 129(10):1078–9

Electron microscopic studies on the attachment of Mycoplasma pulmonis to mouse synovial cells cultured in vitro. Araake M, et al. **Microbiol Immunol** 1984; 28(3):379–84

PATHOLOGY

Clinical and histological evaluation of synovial needle-biopsies in patients suffering from rheumatoid arthritis. I. Relationship between clinical activity and histological pattern. Bély M, et al. **Acta Morphol Hung** 1984;32(1):57–65

The importance of the mediopatellar synovial plica for chondromalacia patellae. Schulitz KP, et al. **Arch Orthop Trauma Surg** 1983;102(1):37–44

Changes in vascular endothelium related to lymphocyte collections in diseased synovia. Freemont AJ, et al. **Arthritis Rheum** 1983 Dec;26(12):1427–33

Phenotypic characterization of synovial tissue cells in situ in different types of synovitis. Lindblad S, et al. **Arthritis Rheum** 1983 Nov;26(11):1321–32

Immunohistologic characterization of synovial membrane lymphocytes in rheumatoid arthritis. Young CL, et al. **Arthritis Rheum** 1984 Jan;27(1):32–9

Myxoid chondrosarcoma of the synovial tissue. A clinicopathologic, histochemical, and ultrastructural analysis. Kindblom LG, et al. **Cancer** 1983 Nov 15; 52(10):1886–95

Lytic lesions of the femoral neck in rheumatoid arthritis simulating pigmented villonodular synovitis or malignancy. Gerster JC, et al. **Clin Rheumatol** 1982 Mar;1(1):30–4

Reticulin and its related structural connective tissue proteins in the rheumatoid synovium. Scott DL, et al. **Histopathology** 1984 May;8(3):469–79

Synovial mast cells in joint diseases. Sagreiya K, et al. **Indian J Pathol Microbiol** 1983 Apr;26(2):111–5

The synovial plica syndrome of the knee. Pathology, differential diagnosis and treatment. Zanoli S, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):241–50

Synovial chondromatosis of the distal radioulnar joint. Ballet FL, et al. **J Hand Surg [Am]** 1984 Jul;9(4):590–2

Activated T cells in vivo and in vitro: divergence in expression of Tac and Ia antigens in the nonblastoid small T cells of inflammation and normal T cells activated in vitro. Burmester GR, et al. **J Immunol** 1984 Sep; 133(3):1230–4

Regulation of natural killer cell activity by macrophages in the rheumatoid joint and peripheral blood. Combe B, et al. **J Immunol** 1984 Aug;133(2):709–13

Some histological changes in carpal tunnel contents and their biomechanical implications. Armstrong TJ, et al. **J Occup Med** 1984 Mar;26(3):197–201

Increased inflammatory reactivity in newly formed lining tissue. Sedgwick AD, et al. **J Pathol** 1983 Dec; 141(4):483–95

Factors involved in cartilage injury. Ziff M. **J Rheumatol** 1983 Dec;10 Suppl 11:13–25

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 43–1983. An elderly man with progressive pain and swelling of the knee. **N Engl J Med** 1983 Oct 27;309(17):1042–9

The tissue architecture of synovial membranes in inflammatory and non-inflammatory joint diseases. I. The localization of the major synovial cell populations as detected by monoclonal reagents directed towards Ia and monocyte-macrophage antigens. Burmester GR, et al. **Rheumatol Int** 1983;3(4):173–81

[Plica synovialis infrapatellaris] Podškubka A, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):25–32 (Eng. Abstr.) **(Cze)**

[Rheumatoid polyarthritis. Diagnostic contribution of synovial biopsy (letter)] Treves R, et al. **Presse Med** 1984 Feb 4;13(4):224 **(Fre)**

[Experimental studies of the origin of synovial lining cells

based on the example of synovial pits] Haberbosch B, et al. **DTW** 1983 Nov 7;90(11):471–7 (Eng. Abstr.) **(Ger)**
[Synovial osteochondromatosis of the knee joint] Schnyder S, et al. **Helv Chir Acta** 1984 Jun;51(2):181–4 (Eng. Abstr.) **(Ger)**
[Inflammatory lesions of the synovial membrane] Aoki S. **Ryumachi** 1984 Apr;24(2):123–34 (110 ref.) **(Jpn)**

PHYSIOLOGY

In-vitro measurement of static pressure distribution in synovial joints—Part II: Retropatellar surface. Ahmed AM, et al. **J Biomech Eng** 1983 Aug;105(3):226–36
A pressure distribution transducer for in-vitro static measurements in synovial joints. Ahmed AM. **J Biomech Eng** 1983 Aug;105(3):309–14
In-vitro measurement of static pressure distribution in synovial joints—Part I: Tibial surface of the knee. Ahmed AM, et al. **J Biomech Eng** 1983 Aug;105(3):216–25

PHYSIOPATHOLOGY

Pathophysiological mechanisms in the rheumatoid synovial membrane. Panayi GS. **Agents Actions [Suppl]** 1984; 14:133–41 (30 ref.)

RADIATION EFFECTS

Intra-articular radiation synovectomy. Sledge CB, et al. **Clin Orthop** 1984 Jan–Feb;(182):37–40
Radioactive synovectomy in haemophilic haemarthrosis. Follow-up of fifty cases. Fernandez-Palazzi F, et al. **Scand J Haematol [Suppl]** 1984;40:291–300

RADIOGRAPHY

Arthrographic recognition of the mediopatellar plica of the knee [letter] Dory MA. **Radiology** 1984 Feb;150(2):608
Case report 256. Parcellar algodystrophy of the left femoral head [i.e. localized (focal) transient osteoporosis] associated with synovial chondromatosis of the hip. Lagier R, et al. **Skeletal Radiol** 1984;11(1):69–72
[Mediopatellar plica. A new approach for the radiological diagnosis] Sidani AH. **J Radiol** 1983 Jun–Jul;64(6–7):421–3 (Eng. Abstr.) **(Fre)**
[Computed tomography and the pathogenic potential of the medial parapatellar fold] Lingg G, et al. **ROFO** 1984 May; 140(5):561–6 (Eng. Abstr.) **(Ger)**

SECRETION

Inhibitory effect of acemetacin, a prodrug of indomethacin, on prostaglandin E2 release from inflamed synovial tissue. Wada Y, et al. **Jpn J Pharmacol** 1984 Apr;34(4):468–70

SURGERY

Synovectomy with resection of the distal ulna in rheumatoid arthritis of the wrist. Jensen CM. **Acta Orthop Scand** 1983 Oct;54(5):754–9
Synovectomy of the elbow in rheumatoid arthritis. Linclau LA, et al. **Acta Orthop Scand** 1983 Dec;54(6):935–7
Synovectomy in bacterial arthritis. Törholm C, et al. **Acta Orthop Scand** 1983 Oct;54(5):748–53
The medial shelf of the knee. A follow-up study. Klein W. **Arch Orthop Trauma Surg** 1983;102(2):67–72
Synovectomy of the wrist in rheumatoid arthritis and related diseases. A follow-up study of 97 consecutive cases. Vahvanen V, et al. **Arch Orthop Trauma Surg** 1984; 102(4):230–7
Orthopaedic surgery in hemophilic patients. Willert HG, et al. **Arch Orthop Trauma Surg** 1983;101(2):121–32
Dorsal wrist synovectomy in rheumatoid arthritis—a long-term study. Thirupathi RG, et al. **J Hand Surg** 1983 Nov;8(6):848–56
A synovectomy trial and the history of early knee synovitis in rheumatoid arthritis. A multicentre study. Meijers KA, et al. **Rheumatol Int** 1983;3(4):161–6
Arthroscopic synovectomy in the treatment of hemophilic synovitis. Kim HC, et al. **Scand J Haematol [Suppl]** 1984; 40:271–9
Surgical synovectomy for haemophilic arthropathy of the knee joint. Long-term follow-up. Matsuda Y, et al. **Scand J Haematol [Suppl]** 1984;40:237–47
Arthroscopic synovectomy in hemophilic arthropathy of the knee. Wiedel JD. **Scand J Haematol [Suppl]** 1984;40:263–70
[Synovectomy of the wrist joint in rheumatoid arthritis. Significance of preoperative radiological destruction and serological findings] Jensen CM. **Ugeskr Laeger** 1984 Apr 2;146(14):1025–7 (Eng. Abstr.) **(Dan)**
[Synovectomy in knee joint infection] Giebel G, et al. **Unfallheilkunde** 1984 Feb;87(2):52–7 (Eng. Abstr.) **(Ger)**
[Significance of synovectomy yesterday and today] Crasselt C. **Z Arztl Fortbild (Jena)** 1984;78(5):187–9 **(Ger)**
[Effect of synovectomy on the glycosaminoglycan content in the articular cartilage] Reichel W. **Z Orthop** 1984 May–Jun;122(3):335–40 (Eng. Abstr.) **(Ger)**
[Synovectomy in chronic diseases of the knee joint] Olejniczak A, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(5–6):471–5 (Eng. Abstr.) **(Pol)**
[Radiological picture of the knee joint after synovectomy] Zwierzchowski H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5–6):477–81 (Eng. Abstr.) **(Pol)**
[Posterior capsulotomy as a method of treatment of flexion contracture of the knee joint in rheumatoid arthritis] Lankosz W, et al. **Reumatologia** 1983;21(3–4):295–8 (Eng. Abstr.) **(Pol)**
[Indications for synovectomy of the knee joint in rheumatoid arthritis] Tanchev P. **Ortop Travmatol Protez** 1984 Feb; (2):30–3 (Eng. Abstr.) **(Rus)**
[Effect of intra-articular oxygen therapy on the morphology of the surgical wound after synovectomy in rheumatoid arthritis] Kop'eva TN, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):10–4 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Mode of formation of synovial villi. Edwards JC, et al. **Ann Rheum Dis** 1983 Oct;42(5):585–90
Immunoelectron microscopic study of the distribution of T cell subsets in rheumatoid synovium. Kurosaka M, et al. **J Exp Med** 1983 Oct 1;158(4):1191–210
Characteristics of the two types of synoviocytes in rat synovial membrane. An ultrastructural study. Graabaek PM. **Lab Invest** 1984 Jun;50(6):690–702
An electron microscopic study of the synovial-bone junction in rheumatoid arthritis. Ishikawa H, et al. **Rheumatol Int** 1984;4(1):1–8
The ultrastructural localization of fibronectin in the lining layer of rheumatoid arthritis synovium: the synthesis of fibronectin by type B lining cells. Matsubara T, et al. **Rheumatol Int** 1983;3(2):75–9
[Ultrastructural observations on B cells in the human synovial membrane] Nesci E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1954–8 (Eng. Abstr.) **(Ita)**
[Electron-microscopy picture of the rheumatoid synovial membrane] Kalczak M, et al. **Reumatologia** 1983; 21(1):39–45 (Eng. Abstr.) **(Pol)**
[Ultrastructural signs indicative of possible viral infection in rheumatoid arthritis] Mul'diiarov PIa, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):11–5 (Eng. Abstr.) **(Rus)**

SYNOVIOMA

COMPLICATIONS

[Painful sciatic rubbing caused by benign synovioma of the spinal joints. Apropos of 4 cases] Galibert P, et al. **Neurochirurgie** 1983;29(6):377–80 (Eng. Abstr.) **(Fre)**
[Spontaneous pneumothorax in patients with lung metastases of synovial sarcoma] Rakhoti P, et al. **Vopr Onkol** 1984; 30(6):48–53 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Synovial sarcoma of the hand. Report of a new case and review of the literature] Lebreton E, et al. **Ann Chir Plast Esthet** 1983;28(3):263–9 (Eng. Abstr.) **(Fre)**
[Paravertebral synovial sarcoma] Gualtieri I, et al. **Chir Organi Mov** 1982–83;68(3):383–6 (Eng. Abstr.) **(Ita)**
[Cytologic differential diagnostic criteria for the principal types of soft tissue sarcoma] Sil'chenko SA, et al. **Lab Delo** 1983;(8):17–20 (Eng. Abstr.) **(Rus)**
[Giant cell tumors of the accessory fibro-synovial mechanism of the tendons of the hand] Rassol EE, et al. **Ortop Travmatol Protez** 1983 Sep;(9):40–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Unusual synovial sarcoma of the knee: a case report. Katchy KC, et al. **East Afr Med J** 1983 Dec;60(12):876–9
Giant cell tumor of tendon sheath origin. A case report and literature review. Milack GP. **J Am Podiatry Assoc** 1983 Dec;73(12):643–5
Pigmented villonodular synovitis (giant-cell tumor of the tendon sheath and synovial membrane). A review of eighty-one cases. Rao AS, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):76–94
Synovial sarcoma of the pharynx and oesophagus. Palmer BV, et al. **J Laryngol Otol** 1983 Dec;97(12):1173–6
A painless mass in the left thigh of an 11-year-old girl [clinical conference] **NY State J Med** 1984 Jan;84(1):20–2
Synovial sarcoma of the hypopharynx. Applebaum EL, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):452–5
Synovial sarcoma: an Australian series of 48 cases. Zito RA. **Pathology** 1984 Jan;16(1):45–52
[Case of tenosynovial sarcoma] Coluccino V, et al. **Pathologica** 1983 Nov–Dec;75(1040):881–6 (Eng. Abstr.) **(Ita)**
[Case of synovial sarcoma in an infant] Hayashi Y, et al. **Gan No Rinsho** 1983 Oct;29(12):1480–5 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Synovial sarcoma in childhood. Israels SJ, et al. **AJR** 1984 Apr;142(4):803–6
Computed tomography of synovial sarcoma of the foot. Azouz EM, et al. **J Can Assoc Radiol** 1984 Mar;35(1):85–7

SECONDARY

[A case of synovial sarcoma with bone metastasis identified by bone marrow scintigraphy] Otsuka N, et al. **Kaku Igaku** 1984 Apr;21(4):371–5 **(Jpn)**

SURGERY

Radical forequarter amputation with chest wall resection. Roth JA, et al. **Ann Thorac Surg** 1984 May;37(5):423–7
Localized nodular tenosynovitis: experience with 115 cases. Moore JR, et al. **J Hand Surg [Am]** 1984 May;9(3):412–7
Synovial sarcoma of the larynx treated by partial laryngectomy. Quinn HJ Jr. **Laryngoscope** 1984 Sep; 94(9):1158–61
[Synovial sarcoma in childhood. A case report] Fuchs GA, et al. **Z Orthop** 1983 Sep–Oct;121(5):578–83 (Eng. Abstr.) **(Ger)**
[Organ-saving surgical treatment of giant cell tumors of the fibro-synovial apparatus of the hand tendons] Usol'tseva EV, et al. **Vestn Khir** 1983 Oct;131(10):110–3 **(Rus)**
[Surgical treatment of the intrathoracic metastases of synovial sarcoma] Rakhoti P, et al. **Vopr Onkol** 1984;30(2):24–30 (Eng. Abstr.) **(Rus)**

THERAPY

Synovial sarcoma. A review of treatment and survival in 52 patients. Rajpal S, et al. **NY State J Med** 1984 Jan; 84(1):17–9

ULTRASTRUCTURE

Ultrastructural similarities and differences of synovial sarcoma, epithelioid sarcoma, and clear cell sarcoma of the tendons and aponeuroses. Lombardi L, et al. **Ultrastruct Pathol** 1984;6(2–3):209–19
Monophasic synovial sarcoma of spindle-cell type. Epithelial differentiation as revealed by ultrastructural features, content of prekeratin and binding of peanut agglutinin. Miettinen M, et al. **Virchows Arch [Cell Pathol]** 1983; 44(2):187–99
[Experimental tumors of the synovial membrane of the knee. Ultramicroscopic studies of the induced tumors] De Santis E, et al. **Arch Putti Chir Organi Mov** 1983;33:381–8 (Eng. Abstr.) **(Ita)**

SYNOVITIS

[Enthesopathies] Borrachero del Campo J. **An R Acad Nac Med (Madr)** 1983;100(4):607–34 **(Spa)**

CHEMICALLY INDUCED

Experimental synovitis induced by intraarticular administration of alpha 2-macroglobulin-proteinase complexes. Steffen C, et al. **Arthritis Rheum** 1984 Aug; 27(8):897–904
Experimental synovitis induced by aluminium phosphate in rabbits. Comparison of the changes produced in synovial tissue and in articular cartilage by aluminium phosphate, carrageenin, calcium hydrogen phosphate dihydrate, and natural diamond powder. Delongeas JL, et al. **Biomed Pharmacother** 1984;38(1):44–8
The role of the human synovial fibroblast in monosodium urate crystal-induced synovitis. Wigley FM, et al. **J Rheumatol** 1983 Aug;10(4):602–11

COMPLICATIONS

Long-term follow-up of polymyalgia rheumatica: evidence for synovitis. Healey LA. **Semin Arthritis Rheum** 1984 May; 13(4):322–8
[1,25-(OH)2-D3 treatment of hypophosphoremic osteomalacia associated with villonodular synovitis] Dougados M, et al. **Ann Med Interne (Paris)** 1984; 135(4):269–73 (Eng. Abstr.) **(Fre)**
[Osteoarthritis and tuberculous multifocal synovitis. Apropos of a case simulating chronic juvenile arthritis] Larbre F, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):601–4 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Ultrasonography in hip joint effusion. Report of a child with transient synovitis. Wingstrand H, et al. **Acta Orthop Scand** 1984 Aug;55(4):469–71
A destructive arthropathy following Chikungunya virus arthritis—a possible association. Brighton SW, et al. **Clin Rheumatol** 1984 Jun;3(2):253–8
Lytic lesions of the femoral neck in rheumatoid arthritis simulating pigmented villonodular synovitis or malignancy. Gerster JC, et al. **Clin Rheumatol** 1982 Mar;1(1):30–4
Pigmented villonodular synovitis of the hip. Study of 9 cases. Moroni A, et al. **Ital J Orthop Traumatol** 1983 Sep; 9(3):331–7
[Villonodular synovitis in children. Apropos of 4 cases] Sallière D, et al. **Rev Rhum Mal Osteoartic** 1984 Jan; 51(1):33–6 **(Fre)**
[Villonodular synovitis of the spine. A case] Valat JP, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):41–3 **(Fre)**

DRUG THERAPY

[Effect of levamisole (decaris) on the morphological manifestations of rheumatoid synovitis] Shekhter AB, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):16–24 (Eng. Abstr.) **(Rus)**
[Chlorbutin, azathioprine, d-penicillamine and dekaris (levamisole) in the treatment of rheumatoid arthritis patients. III. A comparative analysis of their effect on the morphological manifestations of synovitis based on

puncture biopsy data] Shekhter AB, et al. **Ter Arkh** 1984; 56(2):121–31 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fibre glass induced synovitis. Cleland LG, et al. **Ann Rheum Dis** 1984 Jun;43(3):530–4

Extracellular presence of the lysosomal proteinase cathepsin B in rheumatoid synovium and its activity at neutral pH. Mort JS, et al. **Arthritis Rheum** 1984 May;27(5):509–15

Pigmented villonodular synovitis–like lesions in association with rare cases of rheumatoid arthritis, osteonecrosis, and advanced degenerative joint disease. Report of five cases. Vigorita VJ. **Clin Orthop** 1984 Mar;(183):115–21

A complication of Silastic hemiarthroplasty in bunion surgery. Lemon RA, et al. **Foot Ankle** 1984 Mar–Apr; 4(5):262–6

Painful synovitis secondary to gout in the area of a prosthetic hip joint. A case report. Healey JH, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):610–1

Starch synovitis. Freemont AJ, et al. **J Clin Pathol** 1984 Sep; 37(9):990–2

Mycobacterium marinum infection of the hand involving deep structures. Chow SP, et al. **J Hand Surg** 1983 Sep; 8(5 Pt 1):568–73

Palm thorn synovitis. Cahill N, et al. **J Pediatr Orthop** 1984 Mar;4(2):175–9

A hypothesis on the pathogenesis of rheumatoid and other non–specific synovitides. IV A. The possible intermediate role of local hypoxia and metabolic alterations. Ahlqvist J. **Med Hypotheses** 1984 Mar;13(3):257–302 (150 ref.)

Secondary malignant synovitis: report of three cases and review of the literature. Newton P, et al. **Q J Med** 1984 Winter;53(209):135–43

Characteristics of foam cells in pigmented villonodular synovitis. Immunomorphological and enzymological studies. Ugai K, et al. **Ryumachi** 1984 Apr;24(2):116–22

Clinical synovitis and radiological lesions in rheumatoid arthritis. A prospective study of 25 patients during treatment with remission–inducing drugs. Ingeman–Nielsen M, et al. **Scand J Rheumatol** 1983;12(3):237–40

Locomotor system disorders in diabetes mellitus. Increased prevalence of palmar flexortenosynovitis. Leden I, et al. **Scand J Rheumatol** 1983;12(3):260–2

Squaredancer's synovitis [letter] White WB. **South Med J** 1984 Aug;77(8):1067–8

IMMUNOLOGY

Immunoglobulin G–induced experimental chronic immune synovitis: cell–mediated immunity to native interstitial collagen molecules and their constituent polypeptide chains. Kresina TF, et al. **Cell Immunol** 1984 Sep; 87(2):504–16

IgG–induced experimental immune synovitis: hormonal modulation of in vitro splenic immune responses to homologous antigens. Kresina TF, et al. **Clin Exp Immunol** 1984 Jul;57(1):63–72

Immune inflammation in newly developing facsimile synovia. Sin YM, et al. **Int Arch Allergy Appl Immunol** 1984; 73(3):286–7

Synovial fluid and blood monocyte influence on lymphocyte proliferation in rheumatoid arthritis and traumatic synovitis. Petersen J, et al. **Scand J Rheumatol** 1983; 12(3):299–304

[Chemotactic activity of the synovial fluid in patients with rheumatoid arthritis] Karimova FSh. **Ter Arkh** 1983; 55(7):38–42 (Eng. Abstr.) **(Rus)**

METABOLISM

Induction of collagenase synthesis in chondrocytes by a factor synthesized by inflamed synovial tissue. Kerwar SS, et al. **Agents Actions** 1984 Jan;14(1):54–7

Plasma membrane glycoproteins of cultured rheumatoid synovial fibroblasts. Kouri T, et al. **Clin Rheumatol** 1983 Jun;2(2):153–8

Vitamin B12 binding proteins (transcobalamin and haptocorrin) in serum and synovial fluid of patients with rheumatoid arthritis and traumatic synovitis. Christensen PA, et al. **Scand J Rheumatol** 1983;12(3):268–72

Lentil lectin–bound glycoproteins of cultured rheumatoid synovial cells. Kouri T, et al. **Scand J Rheumatol** 1983; 12(3):231–6

The nature of iron deposits in haemophilic synovitis. An immunohistochemical, ultrastructural and X–ray microanalytical study. Morris CJ, et al. **Virchows Arch [A]** 1984;404(1):75–85

MICROBIOLOGY

Synovial infection with Mycobacterium kansasii. Leader M, et al. **Ann Rheum Dis** 1984 Feb;43(1):80–2

PATHOLOGY

Localized pigmented villonodular synovitis of the vertebral column. Pulitzer DR, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):228–30

Phenotypic characterization of synovial tissue cells in situ in different types of synovitis. Lindblad S, et al. **Arthritis Rheum** 1983 Nov;26(11):1321–32

The mast cell and synovial inflammation. Or, what's a nice cell like you doing in a joint like this? Wasserman SI. **Arthritis Rheum** 1984 Aug;27(8):841–4

The synovial plica syndrome of the knee. Pathology, differential diagnosis and treatment. Zanoli S, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):241–50

Pigmented villonodular synovitis (giant–cell tumor of the tendon sheath and synovial membrane). A review of eighty–one cases. Rao AS, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):76–94

Increased inflammatory reactivity in newly formed lining tissue. Sedgwick AD, et al. **J Pathol** 1983 Dec; 141(4):483–95

Hypothesis: in vitro evidence for the invasive and tumor–like properties of the rheumatoid pannus. Hamilton JA. **J Rheumatol** 1983 Dec;10(6):845–51

[An unusual presentation of villo–nodular synovitis in a child (letter)] Bussière JL, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):113–5 **(Fre)**

[Pigmented villonodular synovitis] Gallacchi G. **Schweiz Med Wochenschr** 1983 Sep 17;113(37):1333–7 (Eng. Abstr.) **(Ger)**

[Inflammatory lesions of the synovial membrane] Aoki S. **Ryumachi** 1984 Apr;24(2):123–34 (110 ref.) **(Jpn)**

[Morphology of the early phase of rheumatoid synovitis compared to the clinical course of the disease. I. Cytoproliferation and cytolysis—the main signs of rheumatoid synovitis] Venikova MS. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):14–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Role of alpha 2–macroglobulin: proteinase complexes in pathogenesis of inflammation. 'F' alpha 2M but not 'S' alpha 2M induces synovitis in rabbits after repeated intra–articular administration. Borth W, et al. **Adv Exp Med Biol** 1984;167:371–7

Is pannus a residue of inflammation? [letter] Fassbender HG. **Arthritis Rheum** 1984 Aug;27(8):956–7

Inhibitory effect of acemetacin, a prodrug of indomethacin, on prostaglandin E2 release from inflamed synovial tissue. Wada Y, et al. **Jpn J Pharmacol** 1984 Apr;34(4):468–70

A synovectomy trial and the history of early knee synovitis in rheumatoid arthritis. A multicentre study. Meijers KA, et al. **Rheumatol Int** 1983;3(4):161–6

[Thermographic monitoring of the evolution and therapy of chronic synovitis and cysts in hemophiliacs] Lozej E, et al. **Pediatr Med Chir** 1983 May–Jun;5(3):27–32 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Open meniscectomy: enhanced recovery after synovial prostaglandin inhibition. Muckle DS. **J Bone Joint Surg [Br]** 1984 Mar;66(2):193–5

[Prevention of synovitis after surgery of the knee joint] Tarbaev DS, et al. **Vestn Khir** 1983 Nov;131(11):67–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pigmented villonodular synovitis of the shoulder: radiologic–pathologic assessment. Dorwart RH, et al. **AJR** 1984 Oct;143(4):886–8

Pigmented villonodular synovitis of synovial joints: clinical, pathologic, and radiologic features. Dorwart RH, et al. **AJR** 1984 Oct;143(4):877–85

Infectious arthritis of the hip. DeLuca SA, et al. **Am Fam Physician** 1984 Feb;29(2):131

Relationship between clinical synovitis and radiological destruction, in rheumatoid arthritis. Luukkainen R, et al. **Clin Rheumatol** 1983 Sep;2(3):223–6

Pigmented villonodular synovitis of the temporomandibular joint. Curtin HD, et al. **Comput Radiol** 1983 Jul–Aug; 7(4):257–60

Microangiographic studies of experimental erosive synovitis in rats. Clark RL, et al. **Invest Radiol** 1983 May–Jun; 18(3):257–63

Evaluation of double contrast arthrography in pigmented villonodular synovitis of the knee. Cavina C, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):121–6

Arthrography and the medial compartment of the patello–femoral joint. Thijn CJ, et al. **Skeletal Radiol** 1984; 11(3):183–90

[Pigmented villonodular synovitis with bone invasion] Kraglund K, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):666–7 (Eng. Abstr.) **(Dan)**

[Computertomographic findings in pigmented villonodular synovitis] Seemann WR, et al. **ROFO** 1983 Dec; 139(6):669–72 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Isotope scanning in the 'irritable hip syndrome'. Carty H, et al. **Skeletal Radiol** 1984;11(1):32–7

RADIOTHERAPY

Intra–articular radiation synovectomy. Sledge CB, et al. **Clin Orthop** 1984 Jan–Feb;(182):37–40

A controlled study of the effect of radiation synovectomy of the knee joint in rheumatoid arthritis. Stojanović I, et al. **Reumatologia** 1982;20(3–4):183–7

Radioactive synovectomy in haemophilic haemarthrosis. Follow–up of fifty cases. Fernandez–Palazzi F, et al. **Scand J Haematol [Suppl]** 1984;40:291–300

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long–term prospective study. I. Total results and effect of local factors] Rau R, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):265–70 (Eng. Abstr.) **(Ger)**

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long–term prospective study. II. Effect of general disease parameters] Schütte H, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):271–9 (Eng. Abstr.) **(Ger)**

SURGERY

Localised (circumscribed) nodular synovitis (histiocytic xanthogranuloma). Leutheuser W, et al. **Arch Orthop Trauma Surg** 1983;102(1):19–21

Pigmented villonodular synovitis of the hip joint (review of the literature and report of personal case material). Aglietti P, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):487–96 (19 ref.)

Pigmented villonodular synovitis of the temporomandibular joint. O'Sullivan TJ, et al. **J Otolaryngol** 1984 Apr; 13(2):123–6

Arthroscopic synovectomy in the treatment of hemophilic synovitis. Kim HC, et al. **Scand J Haematol [Suppl]** 1984; 40:271–9

[Synovectomy in purulent inflammation of the knee joint] Muhr G, et al. **Orthopade** 1983 Sep;12(4):229–34 **(Ger)**

VETERINARY

Non–erosive polysynovitis in a horse. Byars TD, et al. **Equine Vet J** 1984 Mar;16(2):141–3

Effects of dual infection of chickens with Mycoplasma synoviae and Mycoplasma gallinaceum or infectious bursal disease virus on infectious synovitis. Yagihashi T, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):529–32

SYNOVITIS, PIGMENTED VILLONODULAR see under **SYNOVITIS**

SYNSTIGMIN see **NEOSTIGMINE**

2–5A SYNTHETASE see **2',5'–OLIGOADENYLATE SYNTHETASE**

SYPHACIA see under **OXYUROIDEA**

SYPHILIDS see **SYPHILIS, CUTANEOUS**

SYPHILIS

Parotitis with secondary syphilis: a case report. Hira SK, et al. **Br J Vener Dis** 1984 Apr;60(2):121–2

Never forget syphilis [letter] Chenoweth I, et al. **Med J Aust** 1984 Jun 23;140(13):797

The classic venereal diseases. Syphilis and gonorrhea in the 80s. Fitzgerald FT. **Postgrad Med** 1984 Jun;75(8):91–101 (20 ref.)

Syphilis: clinical manifestations, diagnosis, and treatment. Drusin LM. **Urol Clin North Am** 1984 Feb;11(1):121–30 (47 ref.)

[Syphilis in 1983 and its problems] Bolgert M, et al. **Bull Acad Natl Med (Paris)** 1983 Dec;167(9):971–86 (Eng. Abstr.) **(Fre)**

BLOOD

[Serological cardiolipid development of early syphilis treated with a single injection of benzathine–penicillin of 2,400,000 I.U.] Sekkat A, et al. **Ann Dermatol Venereol** 1983; 110(10):835–8 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Central nervous system involvement in early syphilis. Part 1. Intrathecal immunoglobulin production. Löwhagen GB, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):409–17

Treponemal tests and immunoglobulins in the cerebrospinal fluid of patients with secondary syphilis. Polnikorn N, et al. **J Med Assoc Thai** 1983 Oct;66(10):606–10

[CSF diagnosis in syphilis] Doese D, et al. **Z Hautkr** 1984 Jan 15;59(2):101–6 (Eng. Abstr.) **(Ger)**

[The cerebrospinal fluid in patients with contagious forms of syphilis treated by the one–course method] Babaiants RS, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):18–21 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Syphilitic enteritis. Schlossberg D, et al. **Arch Intern Med** 1984 Apr;144(4):811–2

Primary syphilis and papular dermatitis of pregnancy. Gaffoor PM, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug; 23(3):180–1

Uveitis due to secondary syphilis. Tait IA. **Br J Vener Dis** 1983 Dec;59(6):397–401

Prevalence of liver abnormality in early syphilis. Terry SI, et al. **Br J Vener Dis** 1984 Apr;60(2):83–6

A case of mixed chancre. Falk ES, et al. **Dermatologica** 1984; 168(1):47–9

Auditory function in early syphilis. A follow up study. Rosenhall U, et al. **J Laryngol Otol** 1984 Jun;98(6):567–72

Torches agents as possible causes of spontaneous abortion in Thai women. Tantivanich S, et al. **J Med Assoc Thai** 1983 Aug;66(8):443–7

Otologic involvement in late syphilis. Steckelberg JM, et al.

Laryngoscope 1984 Jun;94(6):753–7

[Syphilitic orchiepididymitis. Apropos of a pseudotumoral case] Archimbaud A, et al. **Ann Dermatol Venereol** 1984; 111(2):169–71 (Fre)

[Mandibular osteitis and tertiary syphilis] Peron JM, et al. **Rev Stomatol Chir Maxillofac** 1984;85(2):126–9 (Eng. Abstr.) (Fre)

[Hepatitis in secondary syphilis. Review of the literature] Tosti A, et al. **G Ital Dermatol Venereol** 1983 Jul–Aug; 118(4):231–4 (Eng. Abstr.) (Ita)

[A case of nephrotic syndrome associated with acquired syphilis] Furushima T, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):131–7 (Eng. Abstr.) (Jpn)

[Pulmonary tuberculosis in combination with syphilis] Andreeva LA, et al. **Probl Tuberk** 1983 Sep;(9):72–3 (Rus)

[Lesions of the lymph nodes in syphilis] Kashchenko VB, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):74–5 (Eng. Abstr.) (Rus)

[Fistula of the penile urethra caused by a phagedenic chancre] Peyri E, et al. **Actas Urol Esp** 1984 May–Jun;8(3):243–4 (Spa)

[Nephrotic syndrome in secondary syphilis (letter)] Ribera Pascuet E, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):453 (Spa)

[Acute hepatitis in secondary syphilis] Bermúdez JR, et al. **Rev Esp Enferm Apar Dig** 1983 Dec;64(6):545–8 (Eng. Abstr.) (Spa)

DIAGNOSIS

The role of protein component of T. pallidum in inducing skin reaction for delayed hypersensitivity. Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):887–93

Secondary syphilis mimicking systemic lupus erythematosus. Skillrud DM, et al. **Arthritis Rheum** 1983 Dec; 26(12):1529–31

ABC of sexually transmitted diseases. Syphilis: diagnosis and management. Adler MW. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):551–3

Annular facial dermatoses in blacks. McLaurin CI. **Cutis** 1983 Oct;32(4):369–70, 384

A simplified ELISA method for syphilis. Pospíšil L. **Dermatologica** 1983;167(2):105–8

The clinical spectrum of syphilis in adolescence. Silber TJ, et al. **J Adolesc Health Care** 1984 Apr;5(2):112–6

Viable term pregnancy with active syphilis, pelvic tuberculosis, and Pott's disease: report of case. Shaw CT, et al. **J Am Osteopath Assoc** 1983 Nov;83(3):222–4

Ocular syphilis. Acute and chronic. Spoor TC, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):197–203

Case 27–1983: granulomatous hepatitis [letter] **N Engl J Med** 1983 Nov 3;309(18):1127–8

Secondary syphilis masquerading as AIDS in a young gay male. Smego RA Jr, et al. **NC Med J** 1984 Apr;45(4):253–4

Ampicillin allergy presenting as secondary syphilis. Giunta JL, et al. **Oral Surg** 1984 Feb;57(2):152–4

Secondary syphilis initially diagnosed from oral lesions. Report of three cases. Mani NJ. **Oral Surg** 1984 Jul; 58(1):47–50

Acyclovir ointment does not affect the dark-field examination in primary syphilis. Roddy R, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4):198–9

Secondary syphilis: uncommon manifestations of a common disease. McPhee SJ. **West J Med** 1984 Jan;140(1):35–42

[Recent progress in syphilis serology] Luger A, et al. **Wien Klin Wochenschr** 1983 Jun 24;95(13):440–3 (Eng. Abstr.) (Ger)

[Syphilis—also today a current problem] Hagedorn HJ. **ZFA (Stuttgart)** 1983 Sep 10;59(25):1342–5 (Ger)

[Venereal ulcer. Observation of 24 cases] Koźmińska-Kubarska A, et al. **Przegl Dermatol** 1983 Jan–Feb;70(1):69–72 (Eng. Abstr.) (Pol)

[Use of the TPHA test in blood donors] Weyman-Rzucidło D, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):437–41 (Eng. Abstr.) (Pol)

[Syphilis and its oral manifestations] da Silva N. **Rev Port Estomatol Cir Maxilofac** 1983 Oct–Dec; 24(4):527–39 (Por)

[Cancer of the penis] Glozman VN. **Vestn Dermatol Venerol** 1984 Jan;(1):44–5 (Eng. Abstr.) (Rus)

[Secondary syphilis in psoriasis patients] Keshileva ZB, et al. **Vestn Dermatol Venerol** 1984 Jul;(7):70–2 (Eng. Abstr.) (Rus)

[Rare variants of secondary syphilis (hepatitis, periostitis, eye lesions)] Lonshakov IuI, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):57–8 (Eng. Abstr.) (Rus)

[Acute labyrinthitis as a symptom of infectious syphilis] Reshtein NN. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):43–5 (Eng. Abstr.) (Rus)

[Osteolytic lesions in the cranium as a manifestation of secondary syphilis (letter)] Podzamczer Palter D, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):457 (Spa)

DRUG THERAPY

Efficacy of aztreonam in treatment of experimental syphilis in rabbits. Lukehart SA, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):390–1

ABC of sexually transmitted diseases [letter] Schramm M. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1238

Treatment of early infectious syphilis in Denmark. A retrospective serological study. Petersen CS, et al. **Dan Med Bull** 1984 Feb;31(1):70–2

Therapy guidelines for sexually transmitted diseases [letter] Fiumara NJ. **J Am Acad Dermatol** 1983 Oct;9(4):600–1

Is penicillin therapy always infallible in syphilis? Collart P, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):77–83

Whither late ocular and neurosyphilis? Smith JL. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):75–6

Otosyphilis and hearing loss: response to penicillin and steroid therapy. Dobbin JM, et al. **Laryngoscope** 1983 Dec; 93(12):1540–3

[A method for evaluating the activity of antibiotics during the early phase of syphilitic infection] Poitevin M, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):576–80 (Eng. Abstr.) (Fre)

[Thiamphenicol and experimental syphilis] Veller Fornasa C, et al. **G Ital Dermatol Venereol** 1983 Mar–Apr; 118(2):117–8 (Eng. Abstr.) (Ita)

[Penicillin levels in the cerebrospinal fluid and serum of patients treated with procaine penicillin] Ochelska B, et al. **Przegl Dermatol** 1983 May–Jun;70(3):261–7 (Eng. Abstr.) (Pol)

[Treatment of infectious forms of syphilis in patients suffering from chronic alcoholic intoxication] Chistiakova TV. **Vestn Dermatol Venerol** 1984 Jul;(7):68–70 (Eng. Abstr.) (Rus)

[Accelerated treatment of patients with infectious forms of syphilis] Frishman MP, et al. **Vestn Dermatol Venerol** 1984 Feb;(2):71–5 (Eng. Abstr.) (Rus)

[Serological resistance after the treatment of syphilis patients] Frishman MP. **Vestn Dermatol Venerol** 1984 Jul;(7):32–4 (Rus)

[Results of treating syphilitic rabbits with penicillin preparations in combination with methyluracil or hydrocortisone] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1983 Jul;(7):15–9 (Eng. Abstr.) (Rus)

[Use of erythromycin phosphate in treating experimental syphilis in rabbits] Rotanov SV. **Vestn Dermatol Venerol** 1984 Feb;(2):68–71 (Eng. Abstr.) (Rus)

[Experience in treating patients with fresh forms of syphilis with vibramycin] Rotanov SV, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):33–5 (Eng. Abstr.) (Rus)

[Use of ampiox in combination with penicillin preparations in the therapy of patients with infectious forms of syphilis] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1984 Mar; (3):18–21 (Eng. Abstr.) (Rus)

ENZYMOLOGY

The human respiratory nasal mucosa in nasal syphilis. A histochemical study. Toppozada H, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):419–25

FAMILIAL & GENETIC

[Familial false-positive serological reactions in syphilis] D'iachenko LA, et al. **Vestn Dermatol Venerol** 1984 Apr; (4):73–4 (Rus)

HISTORY

Voltaire on the pox. Dirckx JH. **Am J Dermatopathol** 1983 Dec;5(6):581–4

Paul Ehrlich: pioneer of chemotherapy and cure by arsenic (1854–1915). Thorburn AL. **Br J Vener Dis** 1983 Dec; 59(6):404–5

The day syphilis came. Panconesi E, et al. **Int J Dermatol** 1984 May;23(4):284–6

Landmark article Sept 9, 1944: Penicillin treatment of early syphilis: II. By J.F. Mahoney, R.C. Arnold, B.L. Sterner, A. Harris and M.R. Zwally. **JAMA** 1984 Apr 20; 251(15):2005–10

Landmark perspective: Penicillin and early syphilis. Arnold HL Jr. **JAMA** 1984 Apr 20;251(15):2011–2

The bard and the body. 3. Venereal disease—'the pox'. Kail AC. **Med J Aust** 1983 Oct 29;2(9):445–9

Jan Fryderyk Knolle's forgotten dissertation on osseous syphilis, 1763. Lambert M. **Sex Transm Dis** 1984 Jan–Mar; 11(1):36–40

[Treponema pallidum or Spirochaeta pallida?] Klingmüller G. **Hautarzt** 1983 Dec;34(12):628–31 (Eng. Abstr.) (Ger)

[Venereal diseases in the post-war era. A study on the epidemiology of gonorrhea and syphilis and on the reorganization of health care facilities in North Rhine-Westphalia 1945–1949] Sons HU. **Med Welt** 1983 Oct 7;34(40):1124–6 (Ger)

[Origin of the disease designation 'syphilis'] Schönfeld J. **Off Gesundheitswes** 1984 Feb;46(2):104–5 (Ger)

[150th anniversary of the birth of N. János Tóth, the first Hungarian dualist syphilologist] Szállási A. **Orv Hetil** 1984 Jun 10;125(24):1457–8 (Hun)

IMMUNOLOGY

Characterization of anti-treponemal lymphotoxin from lymphocytes of syphilitic rabbits. Podwińska J, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):29–36

Administration of antithymocyte serum to syphilitic rabbits inhibits development of resistance to reinfection with Treponema pallidum. Smogór W, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):37–42

Studies of rabbit testes infected with Treponema pallidum. II Local synthesis of antibodies. Wicher V, et al. **Br J Vener Dis** 1983 Dec;59(6):359–63

Studies of rabbit testes infected with Treponema pallidum. III. Immunosuppressive activity of infiltrating mononuclear cells. Wicher V, et al. **Br J Vener Dis** 1984 Feb;60(1):1–7

Immunological and laboratory aspects of treponematoses. Müller F. **Dermatol Monatsschr** 1984;170(6):357–66 (30 ref.)

The value of routine rubella and syphilitic serology in the infertile couple. Leader A, et al. **Fertil Steril** 1984 Jul; 42(1):140–2

Delayed-type hypersensitivity response in mice to Treponema pallidum. Klein JR, et al. **Immunol Commun** 1983;12(1):25–30

Cobra venom factor abrogates passive humoral resistance to syphilitic infection in hamsters. Azadegan AA, et al. **Infect Immun** 1984 Jun;44(3):740–2

Immune serum confers protection against syphilitic infection on hamsters. Azadegan AA, et al. **Infect Immun** 1983 Oct; 42(1):42–7

Circulating immune complexes in experimental syphilis: identification of treponemal antigens and specific antibodies to treponemal antigens in isolated complexes. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):585–93

Isolation and preliminary characterization of circulating immune complexes from rabbits with experimental syphilis. Baughn RE, et al. **Infect Immun** 1983 Nov;42(2):579–84

Molecular analysis of immunoglobulins M and G immune response to protein antigens of Treponema pallidum in human syphilis. Moskophidis M, et al. **Infect Immun** 1984 Jan;43(1):127–32

Response of syphilitic rabbits to reinfection with homologous and heterologous Treponema pallidum strains. Strugnell RA, et al. **Infect Immun** 1984 Sep;45(3):561–5

Humoral immune response in experimental syphilis to polypeptides of Treponema pallidum. Hanff PA, et al. **J Immunol** 1983 Oct;131(4):1973–7

Evaluation of the inbred mouse as a model for experimental Treponema pallidum infection. Folds JD, et al. **Scand J Immunol** 1983 Sep;18(3):201–6

[Quantitative determination of FTA abs IgM in different stages of syphilis before and after treatment] Lefèvre JC, et al. **Ann Dermatol Venereol** 1983;110(5):425–30 (Eng. Abstr.) (Fre)

[IgM diagnosis in syphilis serology] Luger A. **Wien Klin Wochenschr** 1983 Dec 9;95(23):843–7 (Eng. Abstr.) (Ger)

[Treponema pallidium IgM enzyme-linked immunosorbent assay (TP-IgM-ELISA). Determination of organism-specific Treponema IgM antibodies in the serum of syphilis patients with and without central nervous system involvement of the infection] Müller F. **Z Hautkr** 1983 Dec 1;58(23):1689–708 (Eng. Abstr.) (Ger)

[Leukocyte migration inhibition test in syphilis] Wroński A, et al. **Przegl Dermatol** 1983 May–Jun;70(3):269–72 (Eng. Abstr.) (Pol)

[Role of various factors of humoral and cellular immunity in the pathogenesis of syphilis] Borisenko KK, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):30–4 (Eng. Abstr.) (Rus)

[Diagnostic value of the Treponema pallidum immobilization test (by a quantitative technic)] Eloian AG. **Vestn Dermatol Venerol** 1984 Jun;(6):25–6 (Eng. Abstr.) (Rus)

[Circulating immune complexes and neutrophil function in syphilis] Glavinskaia TA, et al. **Vestn Dermatol Venerol** 1984 Jul;(7):27–30 (Eng. Abstr.) (Rus)

[Specific leukocytolysis test in rabbits, guinea pigs and white mice infected with pathogenetic Treponema pallidum] Ivlieva MS. **Vestn Dermatol Venerol** 1984 Jun;(6):26–30 (Eng. Abstr.) (Rus)

[The B link in the immunity of patients with infectious forms of syphilis] Manullova LA, et al. **Vestn Dermatol Venerol** 1984 Mar;(3):22–6 (Eng. Abstr.) (Rus)

[Seroresistance in syphilis] Milich MB. **Vestn Dermatol Venerol** 1984 Apr;(4):23–8 (Rus)

[Serological resistance in syphilis and pseudoresistance] Milich MV. **Vestn Dermatol Venerol** 1984 Feb;(2):22–5 (Rus)

[New data on the mechanism of decreased immune response in patients with syphilis] Popov VE, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):27–9 (Eng. Abstr.) (Rus)

METABOLISM

Polyanions in syphilis: evidence that glycoproteins and macromolecules resembling glycosaminoglycans are synthesised by host tissues in response to infection with Treponema pallidum. Strugnell RA, et al. **Br J Vener Dis** 1984 Apr;60(2):75–82

[Amino acid metabolism in patients with contagious forms of syphilis] Abdullaev AKh. **Vestn Dermatol Venerol** 1983 Sep;(9):21–4 (Eng. Abstr.) (Rus)

MICROBIOLOGY

[Further study of the interaction between cellular elements of a chancre and Treponema pallidum] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):30–3 (Eng. Abstr.) (Rus)

OCCURRENCE

General considerations on endemic treponematosis in the rural Sahel region of Upper Volta. Monjour L, et al. **Acta Trop (Basel)** 1983 Dec;40(4):375–82

A screening of serological syphilis in Mauritania. Monjour L, et al. **Acta Trop (Basel)** 1984 Mar;41(1):81–6

Syphilis, hepatitis A, hepatitis B, and cytomegalovirus infection in homosexual men in Antwerp. Coester CH, et al. **Br J Vener Dis** 1984 Feb;60(1):48–51

Early infectious syphilis in Greenland. Epidemiology, treatment and control. Petersen CS, et al. **Dan Med Bull** 1983 Nov;30(6):419–21

Leads from the MMWR. Syphilis—United States, 1983. **JAMA** 1984 Aug 24–31;252(8):992, 994

A serological study of the age distribution of endemic treponematoses in children from Mali, Africa. Ehrengut W, et al. **Klin Padiatr** 1983 Nov–Dec;195(6):415–7

Syphilis case-finding in an Australian men's sauna club. Bradford DL. **Med J Aust** 1983 Nov 26;2(11):561–4

Syphilis—United States, 1983. **MMWR** 1984 Aug 3; 33(30):433–6, 441

Syphilis in the United States: 1967–1979. Fichtner RR, et al. **Sex Transm Dis** 1983 Apr–Jun;10(2):77–80

[Syphilis in Norway in the 1980s – an increasing problem?] Haukås G. **Tidsskr Nor Laegeforen** 1984 Jan 30; 104(3):145–6 (Eng. Abstr.) (Nor)

[Incidence of gonorrhea and syphilis among persons with alcohol dependence] Chodynicka B, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):193–9 (Eng. Abstr.) (Pol)

[Analysis of the incidence of early syphilis in the province of Bialystok 1975–1982] Jakubowski A. **Przegl Dermatol** 1983 Sep–Dec;70(5–6):527–33 (Eng. Abstr.) (Pol)

[Relation between alcohol abuse and the prevalence of sexually-transmitted diseases] Markowska-Bernaczyk D, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):185–91 (Eng. Abstr.) (Pol)

[Socio-epidemiologic characteristics of patients with syphilis and gonorrhea in recurrent venereal diseases] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):27–30 (Eng. Abstr.) (Rus)

[Current aspects of the epidemiology of secondary syphilis] Grebennikov VA, et al. **Vestn Dermatol Venerol** 1983 Aug; (8):69–72 (Eng. Abstr.) (Rus)

[Comparative socio-epidemiologic aspects of contingents of syphilis patients with established and non-established sources of infection] Shuvalova TM. **Vestn Dermatol Venerol** 1983 Sep;(9):33–5 (Eng. Abstr.) (Rus)

PATHOLOGY

Rectal syphilis mimicking histiocytic lymphoma. Faris MR, et al. **Am J Clin Pathol** 1983 Nov;80(5):719–21

Studies of rabbit testes infected with Treponema pallidum. I Immunopathology. Wicher K, et al. **Br J Vener Dis** 1983 Dec;59(6):349–58

ABC of sexually transmitted diseases. Syphilis: clinical features. Adler MW. **Br Med J [Clin Res]** 1984 Feb 11; 288(6415):468–71

Clinical study on syphilis in Abu Dhabi with special stress on the unusual presentation of the disease. El Shiemy S, et al. **Int J Dermatol** 1984 Mar;23(2):120–2

[Pathology, immunology and serology of syphilis] **Hautarzt** 1983;34 Suppl 6:147–58 (Ger)

[Somatic pathology in patients with contagious forms of syphilis and alcoholism and their treatment] Kliuvaeva NM. **Vestn Dermatol Venerol** 1983 Oct;(10):71–4 (Eng. Abstr.) (Rus)

[A case of tertiary syphilis] Vatsyk VI, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):74–6 (Eng. Abstr.) (Rus)

[Cases of localization of syphilitic chancres on the pubis] Vinokurov IN, et al. **Vestn Dermatol Venerol** 1984 Jun; (6):73–4 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Primary and secondary syphilis. Chapel TA. **Cutis** 1984 Jan; 33(1):47–50, 52–3

PREVENTION & CONTROL

Forty-five years against syphilis in Memphis—success or failure? Packer HD. **J Tenn Med Assoc** 1984 Feb;77(2):75–9

Immunization of rabbits with Spirochaeta aurantia does not induce resistance to Treponema pallidum. Graves S, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):1–5

[Evaluation of the effectiveness of preventive serological studies in the control of syphilis in the Bialystok district 1975–1981] Jakubowski A. **Przegl Dermatol** 1983 Mar–Apr; 70(2):177–83 (Eng. Abstr.) (Pol)

[Role of a microreaction using cardiolipin antigen in mass serologic screening for syphilis] Milich MV, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):19–22 (Eng. Abstr.) (Rus)

[Use of surface active agents for prevention of experimental syphilis] Skuratovich AA, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):29–32 (Eng. Abstr.) (Rus)

PSYCHOLOGY

[Sexual behavior of married syphilitics] Loseva OK. **Vestn Dermatol Venerol** 1984 Jun;(6):38–43 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Bone lesions in early syphilis detected by bone scintigraphy. Hansen K, et al. **Br J Vener Dis** 1984 Aug;60(4):265–8

[Functional status of the liver in patients with infectious forms of syphilis according to the results of radionuclide studies] Sivachenko TP, et al. **Vestn Dermatol Venerol** 1984 Jun; (6):67–70 (Eng. Abstr.) (Rus)

THERAPY

[Specificity and sensitivity of the solid phase hemadsorption test: a study of treated and untreated syphilitics] Eichmann F, et al. **Z Hautkr** 1983 Oct 1;58(19):1369–88 (Eng. Abstr.) (Ger)

TRANSMISSION

Transfusion syphilis: a case report. Risseeuw-Appel IM, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4):200–1

Transfusion syphilis, survival of Treponema pallidum in donor blood. I. Report of an orientating study. van der Sluis JJ, et al. **Vox Sang** 1984;47(3):197–204

[Contacts tracing of patients with syphilis in Mar del Plata, Argentina] Alfei B, et al. **Bol Of Sanit Panam** 1983 Sep; 95(3):253–60 (Eng. Abstr.) (Spa)

SYPHILIS, CARDIOVASCULAR

COMPLICATIONS

Aortic valve prolapse due to syphilitic aortitis. Arvan S. **Am Heart J** 1984 Jul;108(1):186–7

[Syphilitic aortitis in a parturient] Kolpakov FI, et al. **Vestn Dermatol Venerol** 1984 May;(5):71–2 (Eng. Abstr.) (Rus)

DIAGNOSIS

Postmortem diagnosis of syphilitic aortitis, including serological verification on postmortem blood. Gormsen H. **Forensic Sci Int** 1984 Jan;24(1):51–6

Aortic aneurysm masquerading as acquired pulmonic stenosis. Sahasakul Y, et al. **J Med Assoc Thai** 1984 Feb; 67(2):118–23

[Errors in the diagnosis of visceral syphilis] Lavrik AU, et al. **Vrach Delo** 1983 Dec;(12):26–7 (Rus)

SYPHILIS, CONGENITAL

Congenital syphilis: a proposal for improved surveillance, diagnosis, and treatment. Rathbun KC. **Sex Transm Dis** 1983 Apr–Jun;10(2):102–7

COMPLICATIONS

Congenital syphilitic deafness – a long-term follow-up. Kerr AG, et al. **Adv Otorhinolaryngol** 1983;31:247–52

Congenital syphylitic hepatitis: a case report with multiple imaging modalities (syphilitic hepatitis). Mandell GA, et al. **Eur J Nucl Med** 1983;8(11):505–6

Congenital syphilis with chylous ascites. Havaldar PV, et al. **Indian Pediatr** 1983 Sep;20(9):689–90

Otologic involvement in late syphilis. Steckelberg JM, et al. **Laryngoscope** 1984 Jun;94(6):753–7

[Tuberculous and syphilitic otitis media] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):709–16 (Fre)

[Renal involvement in congenital syphilis] Norero C, et al. **Rev Chil Pediatr** 1984 Jan–Feb;55(1):34–7 (Eng. Abstr.) (Spa)

DIAGNOSIS

Congenital syphilis: a diagnostic and therapeutic dilemma. Srinivasan G, et al. **Pediatr Infect Dis** 1983 Nov–Dec; 2(6):436–41

The stigmata of late congenital syphilis: an analysis of 100 patients. Fiumara NJ, et al. **Sex Transm Dis** 1983 Jul–Sep; 10(3):126–9

[Usefulness of the IgM-FTA-ABS test in the diagnosis of congenital syphilis] Weyman-Rzucidło D, et al. **Przegl Dermatol** 1984 Jan–Feb;71(1):39–46 (Eng. Abstr.) (Pol)

[Congenital syphilis] P'ianov RP. **Pediatriia** 1983 Jun;(6):68–9 (Rus)

[The FTA-abs test in the diagnosis of congenital syphilis] Lorente Ortuño S, et al. **An Esp Pediatr** 1983 Dec; 19(6):481–7 (Eng. Abstr.) (Spa)

DRUG THERAPY

Review of congenital syphilis [letter] Fiumara NJ. **Sex Transm Dis** 1984 Jan–Mar;11(1):49–50

[Diagnosis and therapy of newborn infants of mothers with the so-called positive Wassermann reaction] Ringelmann R, et al. **Immun Infekt** 1983 May;11(3):99–103 (Eng. Abstr.) (Ger)

ETIOLOGY

[Congenital syphilis. A case of consequence of lack of prenatal care] Hansen LP, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2306–7 (Eng. Abstr.) (Dan)

IMMUNOLOGY

[Quantitative determination of FTA abs IgM in different stages of syphilis before and after treatment] Lefèvre JC, et al. **Ann Dermatol Venereol** 1983;110(5):425–30 (Eng. Abstr.) (Fre)

OCCURRENCE

Congenital syphilis. Why is it still occurring? Mascola L, et al. **JAMA** 1984 Oct 5;252(13):1719–22

Early congenital syphilis (a review). Hira SK, et al. **Med J Zambia** 1983 Jan;17(1):4–8

Congenital syphilis. Rathbun KC. **Sex Transm Dis** 1983 Apr–Jun;10(2):93–9

PATHOLOGY

Scrolls of Descemet's membrane in healed syphilitic interstitial keratitis. Scattergood KD, et al. **Ophthalmology** 1983 Dec;90(12):1518–23

PREVENTION & CONTROL

Prevention of congenital syphilis [editorial] Handsfield HH, et al. **JAMA** 1984 Oct 5;252(13):1750–1

Economic evaluation of maternal screening to prevent congenital syphilis. Stray-Pedersen B. **Sex Transm Dis** 1983 Oct–Dec;10(4):167–72

RADIONUCLIDE IMAGING

Skeletal scintigraphy in congenital syphilis. Heyman S, et al. **Clin Nucl Med** 1983 Nov;8(11):531–4

SYPHILIS, CUTANEOUS

COMPLICATIONS

A mixed infection of syphilis and chancroid. Lundquist CD. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):354–6

CONGENITAL

[Congenital syphilis. A case of consequence of lack of prenatal care] Hansen LP, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2306–7 (Eng. Abstr.) (Dan)

DIAGNOSIS

[Lues tertiaria gummosa. Clinico-morphologic aspects based on case examples] Zontschew Mintschew P. **ZFA (Stuttgart)** 1983 Sep 10;59(25):1346–50 (Ger)

[Malignant lues] Wojas K, et al. **Przegl Dermatol** 1983 Jan–Feb;70(1):87–91 (Eng. Abstr.) (Pol)

[Extragenital hard chancre] Karsybekova GR, et al. **Vestn Dermatol Venerol** 1984 Apr;(4):72–3 (Rus)

[Palm and sole syphilids] Novikova SI, et al. **Vestn Dermatol Venerol** 1984 May;(5):72–4 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Improved methods for the demonstration of Treponema pallidum in the tissues. Nakamura S, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):433–7

PATHOLOGY

Chancriform papule. A case report. Murugan S, et al. **Br J Vener Dis** 1983 Dec;59(6):402–3

Clinical study on syphilis in Abu Dhabi with special stress on the unusual presentation of the disease. El Shiemy S, et al. **Int J Dermatol** 1984 Mar;23(2):120–2

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 15–1984. Mass in the iris and a skin rash in a young man. **N Engl J Med** 1984 Apr 12;310(15):972–81

[Secondary syphilis. Rare cutaneous lesions] Alessi E, et al. **G Ital Dermatol Venereol** 1982 Sep–Oct;117(5):287–91 (Eng. Abstr.) (Ita)

[Malignant syphilis] Karalitskiĭ EM, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):71–3 (Eng. Abstr.) (Rus)

SYPHILIS, LATENT

COMPLICATIONS

Rapidly progressive glomerulonephritis in a patient with syphilis. Identification of antitreponemal antibody and treponemal antigen in renal tissue. Walker PD, et al. **Am J Med** 1984 Jun;76(6):1106–12

[Syphilitic retinal angiopathy in seropositive latent lues] Huismans H. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):48–50 (Eng Abstr.) (Ger)

[Syphilitic gastritis with secondary malabsorption syndrome (exudative hypoproteinemia). A clinical case and review of syphilitic gastropathies] Facci M, et al. **Minerva Med** 1984 Apr 21;75(17):987–93 (Eng. Abstr.) (Ita)

DIAGNOSIS

[Characteristics of latent syphilis] Pavlik LV, et al. **Vestn Dermatol Venerol** 1984 May;(5):68–71 (Eng. Abstr.) (Rus)

DRUG THERAPY

Penicillin CSF levels following intravenous therapy in syphilitic patients. Faggi L, et al. Ital J Neurol Sci 1983 Dec;4(4):423–6

IMMUNOLOGY

[Characteristics of the state of humoral and cellular immunity in patients with latent syphilis] Nesterenko GB, et al. Vestn Dermatol Venerol 1983 Oct;(10):67–71 (Eng. Abstr.) (Rus)

[Circulating immune complexes in treated latent syphilis] Vignale RA, et al. Med Cutan Iber Lat Am 1983; 11(3):205–10 (Eng. Abstr.) (Spa)

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 15–1984. Mass in the iris and a skin rash in a young man. N Engl J Med 1984 Apr 12;310(15):972–81

SYPHILIS SERODIAGNOSIS

Predictive value of serologic tests. Hart G. Am J Public Health 1983 Nov;73(11):1288–92

Anti-phospholipid antibodies and biological false positive serological test for syphilis in patients with systemic lupus erythematosus. Koike T, et al. Clin Exp Immunol 1984 Apr; 56(1):193–9

Specificity of mouse hybridoma antibodies to DNA. II. Phospholipid reactivity and biological false positive serological test for syphilis. Koike T, et al. Clin Exp Immunol 1984 Aug;57(2):345–50

Treponemal antigens and their use in syphilis serological tests. Pedersen NS. Dan Med Bull 1984 Jun;31(3):227–39

Immunological and laboratory aspects of treponematoses. Müller F. Dermatol Monatsschr 1984;170(6):357–66 (30 ref.)

The clinical spectrum of syphilis in adolescence. Silber TJ, et al. J Adolesc Health Care 1984 Apr;5(2):112–6

Never forget syphilis [letter] Chenoweth I, et al. Med J Aust 1984 Jun 23;140(13):797

[Pathology, immunology and serology of syphilis] Hautarzt 1983;34 Suppl 6:147–58 (Ger)

[The problem of determining Treponema-specific IgM-antibodies with the TPHA test in primary syphilis] Müller F, et al. Hautarzt 1983 Sep;34(9):448–52 (Eng. Abstr.) (Ger)

[Neurosyphilis 1983. Serodiagnosis and therapy] Luger A. Internist (Berlin) 1983 Oct;24(10):576–81 (Ger)

[Specificity and sensitivity of the solid phase hemadsorption test: a study of treated and untreated syphilitics] Eichmann F, et al. Z Hautkr 1983 Oct 1;58(19):1369–88 (Eng. Abstr.) (Ger)

[Evaluation of the effectiveness of preventive serological studies in the control of syphilis in the Bialystok district 1975–1981] Jakubowski A. Przegl Dermatol 1983 Mar–Apr; 70(2):177–83 (Eng. Abstr.) (Pol)

[Familial false-positive serological reactions in syphilis] D'iachenko LA, et al. Vestn Dermatol Venerol 1984 Apr; (4):73–4 (Rus)

[Serological resistance after the treatment of syphilis patients] Frishman MP. Vestn Dermatol Venerol 1984 Jul;(7):32–4 (Rus)

[The FTA-abs test in the diagnosis of congenital syphilis] Lorente Ortuño S, et al. An Esp Pediatr 1983 Dec; 19(6):481–7 (Eng. Abstr.) (Spa)

[The FTA-ABS and MHA-TP treponemal tests in the serological diagnosis of syphilis] Fraile Fariñas MT, et al. Rev Sanid Hig Publica (Madr) 1983 May–Jun; 57(5–6):525–30 (Eng. Abstr.) (Spa)

ECONOMICS

Unnecessary tests for syphilis on donated blood [letter] Westphal R. N Engl J Med 1984 May 3;310(18):1194

Economic evaluation of maternal screening to prevent congenital syphilis. Stray-Pedersen B. Sex Transm Dis 1983 Oct–Dec;10(4):167–72

HISTORY

The evolution of the flocculation screening test for syphilis. Kampmeier RH. Sex Transm Dis 1983 Jul–Sep;10(3):156–9

METHODS

Infectious mononucleosis and syphilis testing: a similar history and future. Fairbanks TR. Am J Med Technol 1983 Jul;49(7):489–92

The VDRL test in the diagnosis of syphilis [letter] Br J Vener Dis 1983 Oct;59(5):340–1

Reactivity of Dade rapid plasma reagin card test with low-titer sera. Fischer GS, et al. J Clin Microbiol 1984 Mar;19(3):435

Hemagglutination treponemal test for syphilis. Friedly G, et al. J Clin Microbiol 1983 Oct;18(4):775–8

Evaluation of the hemagglutination treponemal test for syphilis. Moyer NP, et al. J Clin Microbiol 1984 Jun; 19(6):849–52

Toluidine red unheated serum test, a nontreponemal test for syphilis. Pettit DE, et al. J Clin Microbiol 1983 Nov; 18(5):1141–5

Reactions of extracts of Reiter treponeme with syphilitic and non-syphilitic human sera in the single radial haemolysis technique. Al-Qudah AA, et al. J Med Microbiol 1984 Jun;17(3):273–82

[Technic for detecting syphilis with the TPHA, automated for large series] Hun H, et al. Ann Dermatol Venereol 1984; 111(4):389–92 (Fre)

[IgM diagnosis in syphilis serology] Luger A. Wien Klin Wochenschr 1983 Dec 9;95(23):843–7 (Eng. Abstr.) (Ger)

[The enzyme-linked immunosorbent assay technic in syphilis serology (report on experiences)] Schmidt BL, et al. Wien Klin Wochenschr 1984 Mar 2;96(5):178–82 (Eng. Abstr.) (Ger)

[1st results with the Treponema pallidum hemagglutination (TPHA) test in blood stains] Keil W, et al. Z Rechtsmed 1984;91(4):247–53 (Eng. Abstr.) (Ger)

[Results with the IgM-FTA-Abs and IgM-TPHA tests in the study of seropositive syphilitic sera] Brade V, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):521–7 (Eng. Abstr.) (Ger)

[Treponemal microhemoagglutination test. Importance of the reagents used] Alessi E. G Ital Dermatol Venereol 1983 Nov–Dec;118(6):399–401 (Eng. Abstr.) (Ita)

[Sensitivity of the serum TPHA reaction and its diagnostic usefulness in late syphilis] Monsiorska-Borowska Z. Przegl Dermatol 1983 Mar–Apr;70(2):169–75 (Eng. Abstr.) (Pol)

[Determination of the principles of interpretation of the results of the TPHA test in the diagnosis of neurosyphilis] Puciło K, et al. Przegl Dermatol 1982 Sep–Dec; 69(5–6):427–35 (Eng. Abstr.) (Pol)

[Usefulness of the IgM-FTA-ABS test in the diagnosis of congenital syphilis] Weyman-Rzucidło D, et al. Przegl Dermatol 1984 Jan–Feb;71(1):39–46 (Eng. Abstr.) (Pol)

[Seroresistance in syphilis] Lonshakov IuI. Vestn Dermatol Venerol 1984 Jul;(7):30–1 (Eng. Abstr.) (Rus)

[Role of a microreaction using cardiolipin antigen in mass serologic screening for syphilis] Milich MV, et al. Vestn Dermatol Venerol 1983 Oct;(10):19–22 (Eng. Abstr.) (Rus)

STANDARDS

Comparative evaluation of commercial fluorescent treponemal antibody-absorbed test kits. Beebe JL, et al. J Clin Microbiol 1984 Jun;19(6):789–93

TRENDS

[Recent progress in syphilis serology] Luger A, et al. Wien Klin Wochenschr 1983 Jun 24;95(13):440–3 (Eng. Abstr.) (Ger)

SYRINGES

Contamination of contrast media by disposable syringes [letter] Fischer HW. AJR 1984 Jul;143(1):199

Unit dose packaging for ophthalmic ointments [letter] Wyatt BK. Am J Hosp Pharm 1984 Apr;41(4):654–5

The draining syringe: further uses in head and neck surgery. Rosenberg L, et al. Am J Otolaryngol 1983 Nov–Dec; 4(6):435–6

Self-aspirating syringe [letter] Br Dent J 1984 Jul 7; 157(1):4–5

A simple conversion of the standard local anaesthetic syringe. Absi EG. Br Dent J 1983 Dec 10;155(11):386

Measurements of pressures developed in the syringe during dental infiltration anaesthesia. Maita E, et al. Br Dent J 1984 Jun 9;156(11):399–400

Danger of dead space in U100 insulin syringes [letter] Br Med J [Clin Res] 1984 Mar 3;288(6418):720–1

Danger of dead space in U100 insulin syringes. Hall GH, et al. Br Med J [Clin Res] 1984 Jan 28;288(6413):284–5

Syringe shields for nuclear medicine. Dye RE, et al. Clin Phys Physiol Meas 1984 May;5(2):125–7

Clinical evaluation of periodontal ligament anesthesia using a pressure syringe. Smith GN, et al. J Am Dent Assoc 1983 Dec;107(6):953–6

Risk of contracting hepatitis B from discarded syringes [letter] Cocchi P, et al. Lancet 1984 Jun 16;1(8390):1356

Syringe extractables: effects on radiopharmaceuticals [letter] Slater DM, et al. Lancet 1983 Dec 17;2(8364):1431–2

Allergy testing of multiple patients should no longer be performed with a common syringe. Lutz CT, et al. N Engl J Med 1984 May 17;310(20):1335–7

Re: Contamination of contrast agents by rubber components of 50-ml disposable syringes [letter] Hamilton G. Radiology 1984 Aug;152(2):539–40

[High-pressure syringe in the treatment of skin diseases in cattle] Seinhorst JW. Tijdschr Diergeneeskd 1984 Mar 1; 109(5):198 (Dut)

[A semi-automatic syringe] Korsun LL, et al. Lab Delo 1984; (1):63 (Rus)

[Injuries of surgeons during conduction of local anesthesia] Sozonik VP, et al. Vestn Khir 1984 Jan;132(1):140–1 (Rus)

STANDARDS

Danger of dead space in U100 insulin syringes [letter] Br Med J [Clin Res] 1984 Feb 25;288(6417):643

Recurrent use of disposable syringe-needle units in diabetic children. Aziz S. Diabetes Care 1984 Mar–Apr;7(2):118–20

Radiation hazards associated with syringes used to store and dispense 133Xe. Benedetto AR, et al. Health Phys 1984 May;46(5):1141–3

A potential hazard of U 100 insulin syringes in diabetic on CAPD [letter] Fisher J, et al. Lancet 1983 Dec 10; 2(8363):1363

[Imbalance of carbohydrate metabolism caused by the improper use of syringes (letter)] Winkler G, et al. Orv Hetil 1984 Mar 18;125(12):736–7 (Hun)

VETERINARY

[Use of so-called automatic syringes for mass blood sampling from the tail vein (v. caudalis mediana) in cattle] Meermann A. DTW 1983 Dec 5;90(12):503–9 (Eng. Abstr.) (Ger)

SYRINGOMYELIA

COMPLICATIONS

Anaesthesia for caesarean section in a patient with syringomyelia. A case report. Roelofse JA, et al. S Afr Med J 1984 May 5;65(18):736–7

Multiple hemangioblastomas accompanied by syringomyelia in the cerebellum and the spinal cord. Enomoto H, et al. Surg Neurol 1984 Aug;22(2):197–203

[Syndrome of painless acute hand infection and painless myocardial infarction in a patient with syringomyelia] Jonecko A. Wiad Lek 1983 Aug 1;36(15):1291–6 (Eng. Abstr.) (Pol)

DIAGNOSIS

Differentiation of tumor from syringohydromyelia: intraoperative neurosonography of the spinal cord. Hutchins WW, et al. Radiology 1984 Apr;151(1):171–4

[Diagnostic value of clinical study methods in syringomyelia] Fasshauer K, et al. Fortschr Neurol Psychiatr 1984 Apr; 52(4):122–34 (Eng. Abstr.) (Ger)

[NMR tomography in the diagnosis of syringohydromylia] Aichner F, et al. Nervenarzt 1984 Jun;55(6):324–7 (Ger)

[The diagnosis and pathogenetic study of syringomyelia] Iwasaki Y, et al. No To Shinkei 1984 Feb;36(2):137–42 (Eng. Abstr.) (Jpn)

ETIOLOGY

[Posttraumatic syringomyelia] Schliep G, et al. Fortschr Neurol Psychiatr 1984 Feb;52(2):62–6 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Computed tomography in the diagnosis of syringomyelia. Sotaniemi KA, et al. Acta Neurol Scand 1983 Aug; 68(2):121–7

Diagnosis of post-traumatic syringohydromyelia presenting as neuropathic joints. Report of two cases and review of the literature. Rhoades CE, et al. Clin Orthop 1983 Nov; (180):182–7 (17 ref.)

Syringohydromyelia following meningomyelocele surgery—role of metrizamide myelography and computed tomography. Stanley P, et al. Pediatr Radiol 1984; 14(5):278–83

[CT findings in 3 cases of syringomyelia] Ugawa Y, et al. Rinsho Shinkeigaku 1983 Aug;23(8):683–8 (Eng. Abstr.) (Jpn)

[Cystography of the spinal cord for delineating tactics for surgical treatment of syringomyelia] Paramonov LV. Zh Vopr Neirokhir 1983 Sep–Oct;(5):8–12 (Eng. Abstr.) (Rus)

SURGERY

Long-term results of the surgical treatment of syringohydromyelia. Alvisi C, et al. Acta Neurochir (Wien) 1984;71(1–2):133–40

Management of syringomyelia: a pathophysiological approach. Peerless SJ, et al. Clin Neurosurg 1983;30:531–76

Surgical treatment of syringomyelia. Favorable results with syringoperitoneal shunting. Barbaro NM, et al. J Neurosurg 1984 Sep;61(3):531–8

VETERINARY

Hydrocephalus, syringomyelia, and spinal cord angiodysgenesis in a Lhasa-apso dog. Schmahl W, et al. Vet Pathol 1984 Mar;21(2):252–4

SYRINGOPINE see SYROSINGOPINE

SYROSINGOPINE

PHARMACODYNAMICS

The effect of reserpine, syrosingopine, and guanethidine on the retention of discriminated escape reversal: peripherally administered catecholamines cannot reverse the reserpine amnesia in this situation. Palfai T, et al. Behav Neural Biol 1983 May;38(1):120–6

SYSTEMS ANALYSIS

see related
RESEARCH
SYSTEMS THEORY

TASK PERFORMANCE AND ANALYSIS

The current systems assessment and the clinical care process. A tool for clinical supervision and the design of clinical information systems. Craig TJ, et al. **J Med Syst** 1984 Apr; 8(1-2):7-14

A methodology for information analysis of emergency and triage units in Hospital Information Systems. Huet B, et al. **Med Inf (Lond)** 1983 Oct-Dec;8(4):255-64

Hyman J. Weiner's use of systems and population approaches: their relevance to social work practice in health care today. Clarke SS. **Soc Work Health Care** 1983 Winter;9(2):5-14

[Systems analysis in medical technology] Opalev AA, et al. **Med Tekh** 1983 Jul-Aug;(4):31-4 (Eng. Abstr.) **(Rus)**

[System analysis of human work activity as a basis for health evaluation] Sudakov KV, et al. **Sov Med** 1983;(7):8-14 (Eng. Abstr.) **(Rus)**

[Systematic organization of the symptoms of depression] Grigor'eva EA, et al. **Zh Nevropatol Psikhiatr** 1984; 84(4):543-7 (Eng. Abstr.) **(Rus)**

[Algorhythmic integration in pediatric health activities, in the organization of medical care and in biological and social factors] Grünberg J, et al. **Bol Med Hosp Infant Mex** 1984 Jan;41(1):4-6 **(Spa)**

SYSTEMS THEORY

see related
MODELS, THEORETICAL

Nurses' response to transplants. A systems view. Schaal PG, et al. **AORN J** 1984 Jan;39(1):42-5

A system model of the metabolic response to stress. Atkinson C, et al. **Behav Sci** 1983 Oct;28(4):268-73

A systems model of schizophrenic dysfunction. Schmolling P. **Behav Sci** 1983 Oct;28(4):253-67

Artifacts in Wiener kernels estimated using Gaussian white noise. Wickesberg RE, et al. **IEEE Trans Biomed Eng** 1984 Jun;31(6):454-61

The process and evaluation of clinical facility contracting. Conners VL. **J Allied Health** 1984 May;13(2):146-53

Dimensions relevant to the health care and therapeutic use of self-control strategies: a system model for applied research. Shapiro DH Jr. **Perspect Biol Med** 1983 Summer; 26(4):568-86

[Biomechanics from the aspect of the management theory of biosystems] Petrýl M, et al.
Acta Chir Orthop Traumatol Cech 1984 Feb;51(1):12-9 (Eng. Abstr.) **(Cze)**

[Systems theory and family therapy] Furman B, et al.
Duodecim 1983;99(23-24):1719-25 **(Fin)**

[Systems approach to adolescence. Refresher course of the Swiss Psychiatric Society, Zurich, May 1983] Fivaz E. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(2):229-39 (Eng. Abstr.) **(Fre)**

[Systems principle for separating out neuron groups as relatively independent working units] Zhigadlo BA, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):5-11 (Eng. Abstr.) **(Rus)**

[The theory of functional systems as a methodological basis for diagnosing respiratory failure] Boksha VG.
Probl Tuberk 1984 Mar;(3):21-6 (Eng. Abstr.) **(Rus)**

[Connective tissue as a single system] Serov VV.
Ter Arkh 1984;56(5):6-10 **(Rus)**

[Epizootic process of natural focus infections from the viewpoint of systems theory] Kozlov MP.
Zh Mikrobiol Epidemiol Immunobiol 1983 Oct;(10):8-13 (27 ref.) **(Rus)**

[The object of primary prevention from a mental health care center] Tisminetzky M, et al.
Acta Psiquiatr Psicol Am Lat 1983 Jun;29(2):105-10 (Eng. Abstr.) **(Spa)**

SYSTOLE see under **MYOCARDIAL CONTRACTION**

SYSTOLIC CLICK-MURMUR SYNDROME see **MITRAL VALVE PROLAPSE**

SZONDI TEST see under **PROJECTIVE TECHNICS**

2,4,5-T see **2,4,5-TRICHLOROPHENOXYACETIC ACID**

T-2 TOXIN see under **SESQUITERPENES**

T ANTIGENS see **ANTIGENS, VIRAL, TUMOR**

T CELL GROWTH FACTOR see **MITOGENIC FACTORS, LYMPHOCYTE**

T-GROUPS see **SENSITIVITY TRAINING GROUPS**

T-INDEPENDENT ANTIGENS see **ANTIGENS, T-INDEPENDENT**

T-MYCOPLASMA see **UREAPLASMA**

T-PHAGES

Comparison of the physical properties and assembly pathways of the related bacteriophages T7, T3 and phi II. Serwer P, et al. **J Mol Biol** 1983 Oct 25;170(2):447-69

ANALYSIS

Structure of the B DNA cationic shell as revealed by an X-ray diffraction study of CsDNA. Sequence-specific cationic stabilization of B form DNA. Bartenev VN, et al. **J Mol Biol** 1983 Sep 5;169(1):217-34

Isolation of the prohead core of bacteriophage T4 after cross-linking and determination of protein composition. Traub F, et al. **J Virol** 1984 Mar;49(3):902-8

[Determination and identification of the nucleoside phosphate bound to bacteriophage T4 cap protein] Seryasheva II, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1224-6 **(Rus)**

DRUG EFFECTS

Antiinflammatory drugs: protection of a bacterial virus as an in vitro biological measure of free radical activity. Hiller KO, et al. **Chem Biol Interact** 1983 Dec;47(3):293-305

ENZYMOLOGY

Use of T4 DNA polymerase replacement synthesis for specific labeling of plasmid-cloned inserts. Deen KC, et al. **Anal Biochem** 1983 Dec;135(2):456-65

Spermidine and spermine stimulate the activity of T4-DNA ligase. Pösö H, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):217-22

T7 DNA polymerase is not a zinc-metalloenzyme and the polymerase and exonuclease activities are inhibited by zinc ions. Slaby I, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1410-7

Evidence for intermediates during unfolding and refolding of a two-domain protein, phage T4 lysozyme: equilibrium and kinetic studies. Desmadril M, et al. **Biochemistry** 1984 Jan 3;23(1):11-9

Reconstruction of tRNAPhe molecules from the fragments by linkage with T-4 RNA ligase in double-stranded regions. Boutorin AS, et al. **FEBS Lett** 1984 Jan 2; 165(1):93-6

The template RNAs of RNA polymerases can have compact secondary structure, formed by long double helices with partial violations of the complementarity. Solovyov VV, et al. **FEBS Lett** 1984 Jan 2;165(1):72-8

Mutagenic specificity of a novel T4 DNA polymerase mutant. Reha-Krantz LJ, et al. **Genetics** 1984 Mar; 106(3):335-45

Recognition of single-stranded DNA by the bacteriophage T4-induced type II topoisomerase. Kreuzer KN.
J Biol Chem 1984 Apr 25;259(8):5347-54

Site-specific recognition of bacteriophage T4 DNA by T4 type II DNA topoisomerase and Escherichia coli DNA gyrase. Kreuzer KN, et al. **J Biol Chem** 1984 Apr 25; 259(8):5339-46

N6-methyldeoxyadenosine 5'-triphosphate as a probe of the fidelity mechanisms of bacteriophage T4 DNA polymerase. Mace DC. **J Biol Chem** 1984 Mar 25;259(6):3616-9

The gene 4 protein of bacteriophage T7. Characterization of helicase activity. Matson SW, et al. **J Biol Chem** 1983 Nov 25;258(22):14017-24

Nucleotide sequence reveals overlap between T4 phage genes encoding dihydrofolate reductase and thymidylate synthase. Purohit S, et al. **J Biol Chem** 1984 May 25; 259(10):6261-6

Identification of the breakage-reunion subunit of T4 DNA topoisomerase. Rowe TC, et al. **J Biol Chem** 1984 Jul 25; 259(14):9177-81

Base-pairing properties of O6-methylguanine in template DNA during in vitro DNA replication. Snow ET, et al. **J Biol Chem** 1984 Jul 10;259(13):8095-100

Thermodynamic stability and point mutations of bacteriophage T4 lysozyme. Hawkes R, et al.
J Mol Biol 1984 May 15;175(2):195-212

T4 DNA polymerase. Rates and processivity on single-stranded DNA templates. Mace DC, et al.
J Mol Biol 1984 Aug 5;177(2):295-311

Characterization of the stimulatory effect of T4 gene 45 protein and the gene 44/62 protein complex on DNA synthesis by T4 DNA polymerase. Mace DC, et al.
J Mol Biol 1984 Aug 5;177(2):313-27

Using T4 RNA ligase with DNA substrates. Brennan CA, et al. **Methods Enzymol** 1983;100:38-52

Escherichia coli phage T4 topoisomerase. Kreuzer KN, et al. **Methods Enzymol** 1983;100:144-60

Primary structure and genetic organization of phage T4 DNA ligase. Armstrong J, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7145-56

Fluorescent labelling of tRNA and oligodeoxynucleotides using T4 RNA ligase. Cosstick R, et al.
Nucleic Acids Res 1984 Feb 24;12(4):1791-810

T4 DNA ligase can seal a nick in double-stranded DNA limited by a 5'-phosphorylated base-free deoxyribose residue. Goffin C, et al. **Nucleic Acids Res** 1983 Nov 25; 11(22):8103-9

Polymer-stimulated ligation: enhanced blunt- or cohesive-end ligation of DNA or deoxyribooligonucleotides by T4 DNA ligase in polymer solutions. Pheiffer BH, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7853-71

Biotin and fluorescent labeling of RNA using T4 RNA ligase. Richardson RW, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6167-84

Intervening sequence in the thymidylate synthase gene of bacteriophage T4. Chu FK, et al.
Proc Natl Acad Sci USA 1984 May;81(10):3049-53

Cloning and expression of the gene for bacteriophage T7 RNA polymerase. Davanloo P, et al.
Proc Natl Acad Sci USA 1984 Apr;81(7):2035-9

[Interaction of DNA and RNA ligases of phage T4 with Cibacron Blue F 3GA] Baronaite ZA, et al. **Biokhimiia** 1984 Jan;49(1):142-8 (Eng. Abstr.) **(Rus)**

[Changes in the state of tryptophan residues in T4 phage lysozyme during binding to a competitive inhibitor] Vedenkina NS, et al. **Mol Biol (Mosk)** 1984 Mar-Apr; 18(2):362-9 (Eng. Abstr.) **(Rus)**

[Kinetic characteristics of the ATP-pyrophosphate isotope exchange catalyzed by RNA ligase from T4 bacteriophage] Zagrebel'nyĭ SN, et al. **Mol Biol (Mosk)** 1984 Jan-Feb; 18(1):227-33 (Eng. Abstr.) **(Rus)**

[Purification and characteristics of an RNA-ligase preparation from bacteriophage T4] Baklanov MM, et al. **Prikl Biokhim Mikrobiol** 1984 Mar-Apr;20(2):191-9 (Eng. Abstr.) **(Rus)**

[Isolation of highly purified RNA ligase from bacteriophage T4] Zagrebel'nyĭ SN, et al. **Prikl Biokhim Mikrobiol** 1984 Jan-Feb;20(1):24-30 (Eng. Abstr.) **(Rus)**

GENETICS

Identification of bacteriophage T4D gene 29 product, a baseplate hub component, as a folylpolyglutamate synthetase. Sadewasser DA, et al.
Biochem Biophys Res Commun 1983 Nov 15;116(3):1119-24

Interplay among processing and degradative enzymes and a precursor ribonucleic acid in the selective maturation and maintenance of ribonucleic acid molecules. Gurevitz M, et al. **Biochemistry** 1983 Aug 16;22(17):4000-5

1H NMR (500 MHz) of gene 32 protein--oligonucleotide complexes. Prigodich RV, et al. **Biochemistry** 1984 Jan 31; 23(3):522-9

The nucleotide sequence of bacteriophage T5 glutamine transfer RNA. Shlyapnikov MG, et al.
Biochim Biophys Acta 1984 Jul 18;782(3):313-9

Effect of temperature on transition and transversion mutagenesis: characterization of wild type and a mutator T4 DNA polymerase mutant. Reha-Krantz LJ, et al.
Can J Genet Cytol 1984 Jun;26(3):386-9

Defining a bacteriophage T4 late promoter: absence of a '-35' region. Elliott T, et al. **Cell** 1984 Jan;36(1):211-9

Hybrid transfer RNA genes in phage T4. McClain WH, et al. **Cell** 1984 Aug;38(1):225-31

Bacteriophage T4 late promoters: mapping 5' ends of T4 gene 23 mRNAs. Kassavetis GA, et al. **EMBO J** 1982; 1(1):107-14

Sequence and cloning of bacteriophage T4 gene 63 encoding RNA ligase and tail fibre attachment activities. Rand KN, et al. **EMBO J** 1984 Feb;3(2):397-402

Evidence for the coupling of T7 DNA injection with its transcription during infection. Zavriev SK, et al.
FEBS Lett 1984 Jan 2;165(1):31-4

Isolation and characterization of conditional alleles of bacteriophage T4 genes uvsX and uvsY. Conkling MA, et al. **Genetics** 1984 Aug;107(4):505-23

Thermal rescue of UV-irradiated bacteriophage T4 and biphasic mode of action of the WXY system. Conkling MA, et al. **Genetics** 1984 Aug;107(4):525-36

Methyl methanesulfonate mutagenesis in bacteriophage T4. Drake JW. **Genetics** 1982 Dec;102(4):639-51

Expression of a DNA replication gene cluster in bacteriophage T4: genetic linkage and the control of gene product interactions. Gerald WL, et al. **Genetics** 1984 Aug; 107(4):537-49

Genetic evidence for physical interactions between enzymes of nucleotide synthesis and proteins involved in DNA replication in bacteriophage T4. Macdonald PM, et al. **Genetics** 1984 Jul;107(3):343-53

Cloning and physical mapping of an early region of the bacteriophage T4 genome. Macdonald PM, et al.
Genetics 1984 Jan;106(1):1-16

Regulation of a bacteriophage T4 late gene, soc, which maps in an early region. Macdonald PM, et al. **Genetics** 1984 Jan;106(1):17-27

Marker-dependent recombination in T4 bacteriophage. II. The evaluation of mismatch repairabilities in crosses within indicator distances. Shcherbakov VP, et al. **Genetics** 1982 Dec;102(4):627-37

Marker-dependent recombination in T4 bacteriophage. I. Outline of the phenomenon and evidence suggesting a mismatch repair mechanism. Shcherbakov VP, et al.
Genetics 1982 Dec;102(4):615-25

Locations and nucleotide sequences of three major class III promoters for bacteriophage T3 RNA polymerase on T3 DNA. Basu S, et al. **J Biol Chem** 1984 Feb 10;259(3):1993-8

Kinetic measurements of Escherichia coli RNA polymerase association with bacteriophage T7 early promoters. Dayton CJ, et al. **J Biol Chem** 1984 Feb 10;259(3):1616-21

On the fidelity of DNA replication. The accuracy of T4 DNA polymerases in copying phi X174 DNA in vitro. Kunkel TA, et al. **J Biol Chem** 1984 Feb 10;259(3):1539-45

DNA-dependent nucleoside 5'-triphosphatase activity of the gene 4 protein of bacteriophage T7. Matson SW, et al. **J Biol Chem** 1983 Nov 25;258(22):14009-16

Mistranslation of the mRNA encoding bacteriophage T7 0.3 protein. Rice JB, et al. **J Biol Chem** 1984 May 25; 259(10):6505-10

Crystallization of the gene 45 protein from the DNA replication fork of bacteriophage T4. Thaller C, et al.
J Biol Chem 1984 Feb 25;259(4):2568-9

Products of bacteriophage T4 genes 32 and 45 improve the accuracy of DNA replication in vitro. Topal MD, et al.

J Biol Chem 1983 Oct 25;258(20):12274–9
A cloning strategy for the bacteriophage T4 vs gene. Olson NJ, et al. J Gen Virol 1984 Apr;65 (Pt 4):849–53
Changed promoter specificity and antitermination properties displayed in vitro by bacteriophage T4–modified RNA polymerase. Goldfarb A, et al. J Mol Biol 1984 Jul 25; 177(1):87–105
The complex of T4 bacteriophage gene 44 and 62 replication proteins forms an ATPase that is stimulated by DNA and by T4 gene 45 protein. Mace DC, et al. J Mol Biol 1984 Aug 5;177(2):279–93
Recombination between bacteriophage T4 and plasmid pBR322 molecules containing cloned T4 DNA. Mattson T, et al. J Mol Biol 1983 Oct 25;170(2):357–79
Fate of cloned bacteriophage T4 DNA after phage T4 infection of clone–bearing cells. Mattson T, et al. J Mol Biol 1983 Oct 25;170(2):343–55
Nucleotide sequence of the gene for bacteriophage T7 RNA polymerase. Moffatt BA, et al. J Mol Biol 1984 Feb 25; 173(2):265–9
Modulation of mutation rates in bacteriophage T4 by a base–pair change a dozen nucleotides removed. Sugino A, et al. J Mol Biol 1984 Jun 25;176(2):239–49
Bacteriophage T4 gol site: sequence analysis and effects of the site on plasmid transformation. Champness WC, et al. J Virol 1984 May;50(2):555–62
Direction of transcription in bacteriophage T5 first–step transfer DNA. Davison J, et al. J Virol 1984 May; 50(2):629–31
Expression of cloned bacteriophage T4 uvsW and uvsY genes in rec+ and rec– Escherichia coli. DeVries JK, et al. J Virol 1983 Sep;47(3):406–12
Bacteriophage T4 bypass31 mutations that make gene 31 nonessential for bacteriophage T4 replication: mapping bypass31 mutations by UV rescue experiments. Doermann AH, et al. J Virol 1984 Aug;51(2):315–20
Initiation by bacteriophage T1 of DNA packaging at a site between the P and Q genes of bacteriophage lambda. Drexler H. J Virol 1984 Mar;49(3):754–9
O antigen–dependent mutant of bacteriophage T5. Heller KJ, et al. J Virol 1984 Jan;49(1):20–5
In vitro recombination of bacteriophage T7 DNA detected by a direct physical assay. Lee D, et al. J Virol 1983 Dec; 48(3):647–53
Gamma–T4 hybrid bacteriophage carrying the thymidine kinase gene of bacteriophage T4. Mileham AJ, et al. J Virol 1984 May;50(2):619–22
A bacteriophage T5 mutant with an increased frequency of single–chain interruptions. Rhoades M. J Virol 1984 Aug; 51(2):553–5
Bacteriophage T4 bypass31 mutations that make gene 31 nonessential for bacteriophage T4 replication: isolation and characterization. Simon LD, et al. J Virol 1984 Aug; 51(2):321–8
T4–induced antipolarity: temporal heterogeneity in response of early transcription units. Thermes C, et al. J Virol 1984 Apr;50(1):191–201
Mistranslation in bacteriophage–infected anucleate minicells of Escherichia coli: a test for error propagation. Libby RT. Mech Ageing Dev 1984 Jul;26(1):23–35
A physical map of bacteriophage T4 including the positions of strong promoters and terminators recognized in vitro. Gram H, et al. MGG 1984;194(1–2):232–40
Gene 49 endonuclease VII is not essential for multiplicity reactivation of bacteriophage T4. Hyman P. MGG 1983; 192(3):512–4
Incorporation of thymine–containing DNA precursors in wild–type and mutant T4–infected plasmolysed cells. Melamede RJ, et al. MGG 1983;191(3):382–8
Incorporation of thymine–containing DNA precursors in plasmolysed cells infected by the T4 non–lethal recombination defective mutants. Melamede RJ, et al. MGG 1983;191(3):389–92
A hotspot for transition mutations in the rIIB gene of bacteriophage T4. I. The extent of the hotspot. Singer BS. MGG 1984;193(1):104–9
Physical and genetical analysis of bacteriophage T4 generalized transduction. Young KK, et al. MGG 1983; 192(1–2):241–6
Phenotypic suppression of opal mutants by L–tryptophan. Sambol AR, et al. Microbios 1984;39(155):19–27
Transcription regulatory elements in the late region of bacteriophage T5 DNA. Brunel F, et al. Nucleic Acids Res 1983 Nov 11;11(21):7649–58
The bacteriophage T4 regA gene: primary sequence of a translational repressor. Trojanowska M, et al. Nucleic Acids Res 1984 Aug 10;12(15):5979–93
Demonstration of the production of frameshift and base–substitution mutations by quasipalindromic DNA sequences. de Boer JG, et al. Proc Natl Acad Sci USA 1984 Sep;81(17):5528–31
Defining a bacteriophage T4 late promoter: bacteriophage T4 gene 55 protein suffices for directing late promoter recognition. Kassavetis GA, et al. Proc Natl Acad Sci USA 1984 Aug;81(16):5101–5
Virus–plasmid interactions: mutants of bacteriophage T3 that abortively infect plasmid F–containing (F+) strains of Escherichia coli. Molineux IJ, et al. Proc Natl Acad Sci USA 1984 Mar;81(5):1465–9
Inhibition of T7 bacteriophage replication by a colicin Ib plasmid gene. Duckworth DH, et al. Virology 1983 Nov; 131(1):259–63
Intracellular morphogenesis of bacteriophage T4. I. Gene dosage effects on early functions and tail fiber assembly. Eiserling FA, et al. Virology 1984 Aug;137(1):86–94
The structure of replicating bacteriophage T1 DNA: comparison between wild type and DNA–arrest mutant infections. Pugh JC, et al. Virology 1984 May;135(1):189–99
Formation of phage T1 concatemers by the RecE recombination pathway of Escherichia coli. Pugh JC, et al. Virology 1984 May;135(1):200–6
[Synthetic promotor P25 of bacteriophage T5 and its functional hybrids with the model promotor of Escherichia coli] Dobrynin VN, et al. Dokl Akad Nauk SSSR 1984 Jan–Feb;274(1):213–6 (Rus)
[The DNA–ligase gene of bacteriophage T4] Kraev AS, et al. Dokl Akad Nauk SSSR 1983;270(6):1495–500 (Rus)
[Selective binding of specific nucleotide sequences of the promotors of Escherichia coli and phage T7 genes with the corresponding RNA–polymerases] Savinkova LK, et al. Dokl Akad Nauk SSSR 1983;270(6):1501–4 (Rus)
[Transmission of amber mutants in bacteriophage T4. II. Thermal sensitivity of the multiplication of gene 26 amber mutants in Escherichia coli B cells and the absence of such sensitivity in the case of gene 33] Nivinskas RG, et al. Genetika (Moskva) 1983 Jul;19(7):1075–80 (Eng. Abstr.) (Rus)
[Isolation and characterization of a phage T7 DNA fragment containing promoter B active in vivo and in vitro] Kravchenko VV, et al. Mol Biol (Mosk) 1984 Mar–Apr; 18(2):397–403 (Eng. Abstr.) (Rus)
[Coupling of bacteriophage T7 DNA penetration with its transcription, during infection] Zavriev SK, et al. Mol Biol (Mosk) 1983 Sep–Oct;17(5):1048–59 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Inducible reactivation of bacteriophage T7 damaged by methyl methanesulfonate or UV light. Dodson LA, et al. J Bacteriol 1983 Oct;156(1):13–8
The tail fibre of bacteriophage T4 is sensitive to proteases at elevated temperatures. Granboulan P. J Gen Microbiol 1983 Jul;129 (Pt 7):2217–28
Isolation and characterization of precursors in bacteriophage T4 baseplate assembly. II. Purification of the protein products of genes 10 and 11 and the in vitro formation of the P(10/11) complex. Plishker MF, et al. J Mol Biol 1983 Oct 15;170(1):119–35
Attachment of tail fibers in bacteriophage T4 assembly. Identification of the baseplate protein to which tail fibers attach. Urig MA, et al. J Mol Biol 1983 Sep 15; 169(2):427–37
Involvement of the bacterial groM gene product in bacteriophage T7 reproduction. II. A reduced level of ion concentrations causes the blockage of T7 maturation in K–12–M cells. Kuhn AH, et al. J Virol 1983 Sep; 47(3):540–52
Valyl–tRNA synthetase modification–dependent restriction of bacteriophage T4. Olson NJ, et al. J Virol 1984 Jul; 51(1):42–6
Formation of the prohead core of bacteriophage T4 in vivo. Traub F, et al. J Virol 1984 Mar;49(3):892–901
Intracellular morphogenesis of bacteriophage T4. II. Head morphogenesis. Eiserling FA, et al. Virology 1984 Aug; 137(1):95–101

IMMUNOLOGY

[Intercellular information transfer in the process of immunogenesis. IX. The induction of the synthesis of antiphage antibodies in lymphosarcoma cells of rats as affected by different fractions of immune nuclear RNA] Pogodina ON, et al. Tsitologiia 1983 Aug;25(8):953–7 (27 ref.) (Eng. Abstr.) (Rus)

METABOLISM

DNA methylation of T3 virus ocr+ and ocr– strains in Escherichia coli cells harbouring the EcoK DNA host specificity system. Schroeder C, et al. Biomed Biochim Acta 1984;43(3):K1–5
Identification and biosynthesis of the bacteriophage T4 mot regulatory protein. Uzan M, et al. EMBO J 1983; 2(7):1207–12
Involvement of envelope–bound calcium in the transient depolarization of the Escherichia coli cytoplasmic membrane induced by bacteriophage T4 and T5 adsorption. Letellier L, et al. J Bacteriol 1984 Mar;157(3):789–94
Self cleavage of a precursor RNA from bacteriophage T4. Watson N, et al. J Mol Biol 1984 Jan 25;172(3):301–23
Analysis of the coliphage T5 DNA ejection process with free and liposome–associated TonA protein. Tosi F, et al. J Virol 1984 Apr;50(1):213–9
[DNA methylation in T3 and T7 phages by DNA–adenine methylases of various types and methylase EcoK ocR+ by protein] Bogdarina IG, et al. Dokl Akad Nauk SSSR 1983 Nov–Dec;273(1):234–7 (Rus)

PATHOGENICITY

[Infectiousness of phage T4 frozen to –196 degrees in the presence of cryoprotectors] Tsutsaeva AA, et al. Mikrobiologiia 1983 May–Jun;52(3):519–21 (Eng. Abstr.) (Rus)

PHYSIOLOGY

The discrimination between Rb+ and K+ by Escherichia coli is changed after bacteriophage T7 infection. Kuhn A, et al. Biochim Biophys Acta 1984 Apr 11;771(2):245–8
Distribution of the T4D bacteriophage binding sites on the Escherichia coli B surface. Zorzopulos J, et al. J Recept Res 1983;3(4):513–27
Alteration of active transport after bacteriophage T5 infection. Hulen C, et al. J Virol 1984 Jun;50(3):671–7
Requirement for a fluid host cell membrane in injection of coliphage T5 DNA. Labedan B. J Virol 1984 Jan; 49(1):273–5
Physiology of the abortive infection by bacteriophage T7 caused by the antibiotic resistance factor R–64. Gómez B, et al. Rev Latinoam Microbiol 1982 Jan–Mar;24(1):39–46
Abortive infection of coliphage T7 by antibiotic resistance R–factors which confer tetracycline resistance. Gómez B, et al. Rev Latinoam Microbiol 1983 Apr–Jun;25(2):87–96

RADIATION EFFECTS

UV–induced small structural changes in the T7 bacteriophage studied by melting methods. Tóth K, et al. Biophys Struct Mech 1984;10(4):229–39
UV irradiation impairs in vivo encapsidation of bacteriophage T4 DNA. Zachary A, et al. J Virol 1984 May;50(2):293–300
Contributions of various types of damage to inactivation of T4 bacteriophage by protons. Gialanella G, et al. Radiat Res 1983 Dec;96(3):462–75
Action spectra for inactivation of dry phage T1 after monochromatic (150–254 nm) synchrotron irradiation in the presence and absence of photoreactivation and dark repair. Maezawa H, et al. Radiat Res 1984 May; 98(2):227–33
Roles of copper and O(2) in the radiation–induced inactivation of T7 bacteriophage. Samuni A, et al. Radiat Res 1984 Sep;99(3):562–72
[Is the AP site an intermediary in the formation of interstrand crosslinks in irradiated DNA?] Goffin C, et al. C R Soc Biol (Paris) 1984;178(2):205–7 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Structure of bacteriophage T7. Small–angle X–ray and neutron scattering study. Rontó G, et al. Biophys J 1983 Sep;43(3):309–14
Fluorescence label studies of the phase transitions of T7. Fidy J, et al. Biophys Struct Mech 1983;10(3):109–19
Reversible fixation for the study of morphology and macromolecular composition of fragile biological structures. Baschong W, et al. Eur J Cell Biol 1983 Nov; 32(1):1–6
Structural analysis of T4 DNA helix destabilizing protein (gp32 I) crystal by electron microscopy. Cohen HA, et al. J Mol Biol 1983 Sep 5;169(1):235–48
The virus verified [news] Darius J. Nature 1984 Feb 16–22; 307(5952):595
T4–labeling technique and its applications with particular reference to blood group antigens in bladder tumors. Kumon H, et al. Scan Electron Microsc 1983;(Pt 2):939–48
Phage head assembly in bacteriophage T1. Ramsay N, et al. Virology 1984 Jan 30;132(2):239–49
[Electron microscopic studies on the morphogenesis of bacteriophage T4 head] Miyazaki Y. Fukuoka Igaku Zasshi 1984 Apr;75(4):197–209 (Eng. Abstr.) (Jpn)
[Calorimetric study of bacteriophage T4 ghosts] Veprintseva OD, et al. Biofizika 1984 Mar–Apr;29(2):216–9 (Eng. Abstr.) (Rus)
[Characteristics of the molecular organization of the short fibrils of bacteriophage T4] Kurits TS, et al. Dokl Akad Nauk SSSR 1984;274(2):448–52 (Rus)
[Topology of the structural proteins of long tail fibers of phages T4D, DDVIh+ and DDVIh] Kretova AF, et al. Mol Biol (Mosk) 1983 Sep–Oct;17(5):1103–7 (Eng. Abstr.) (Rus)

T RNA METHYLTRANSFERASES see RNA, TRANSFER, METHYLTRANSFERASES

TABES DORSALIS

COMPLICATIONS

Amyloid neuropathy in a woman with tabes dorsalis [letter] Kueh Y, et al. N Engl J Med 1984 Mar 22;310(12):789

TABLETS

Perceptions of differences between pairs of tablets [letter] Spriet A, et al. Br J Clin Pharmacol 1984 May;17(5):595
Studies on anisotropy of compressed powders. III. Effects of different granulation methods on anisotropy, pore size and crushing strength of tablets. Ando T, et al. Chem Pharm Bull (Tokyo) 1983 Jun;31(6):2045–54
Properties of cyclodextrin polymer as a tabletting aid. Fenyvesi E, et al. Chem Pharm Bull (Tokyo) 1984 Feb; 32(2):665–9
Effect of dehydration on the binding capacity of particulate hydrates. Lerk CF, et al. J Pharm Pharmacol 1984 Jun; 36(6):399
Compressional characteristics of four starches. Paronen P,

et al. **J Pharm Pharmacol** 1983 Oct;35(10):627–35
The effects of binder film characteristics on granule and tablet properties. Reading SJ, et al. **J Pharm Pharmacol** 1984 Jul; 36(7):421–6
Relationship between sine random vibrations, resonance and drug content uniformity. Staniforth JN. **J Pharm Pharmacol** 1984 Apr;36(4):258–60
Adjustment of precompression force to reduce mixing-time dependence of tablet tensile strength. Vezin WR, et al. **J Pharm Pharmacol** 1983 Sep;35(9):555–8
Measurement of acceleration in a rotary tablet machine. Watt PR. **J Pharm Pharmacol** 1983 Nov;35(11):746
Tack behavior of coating solutions II. Chopra SK, et al. **J Pharm Sci** 1984 Apr;73(4):477–81
A rebuttal on a second-degree polynomial mathematical model used to evaluate the effect of moisture and crushing strength on tablet friability and in vitro dissolution. Chowhan ZT, et al. **J Pharm Sci** 1983 Sep;72(9):1097–8
Effect of intergranular versus intragranular cornstarch on tablet friability and in vitro dissolution. Chowhan ZT, et al. **J Pharm Sci** 1983 Sep;72(9):983–8
Disintegrating force as a new formulation parameter. Colombo P, et al. **J Pharm Sci** 1984 May;73(5):701–5
Systematic error associated with apparatus 2 of the USP dissolution test IV: effect of air dissolved in the dissolution medium. Cox DC, et al. **J Pharm Sci** 1983 Sep;72(9):1061–4
Comment on a second-degree polynomial mathematical model for tablet friability and in vitro dissolution. Huang LL. **J Pharm Sci** 1983 Sep;72(9):1096–7
Effect of dosage form and formulation factors on the adherence of drugs to the esophagus. Marvola M, et al. **J Pharm Sci** 1983 Sep;72(9):1034–6
Effect of microcapsule core-wall ratio and aggregate size on the properties of tableted microcapsules. Nixon JR, et al. **J Pharm Sci** 1984 Jan;73(1):52–4
Effect of compressional force on tablets containing cellulosic disintegrators I: Dimensionless disintegration values. Vadas EB, et al. **J Pharm Sci** 1984 Jun;73(6):781–3
Identifying tablets [letter] Robertson WO. **Lancet** 1983 Oct 29;2(8357):1026
Breaking tablets in half [letter] Stimpel M, et al. **Lancet** 1984 Jun 9;1(8389):1299
Effect of addition of a soluble and an insoluble drug on the disintegration of tablets made of microcrystalline cellulose and dicalcium phosphate dihydrate. Chilamkurti RN, et al. **Pharm Acta Helv** 1983;58(9–10):251–5
Effects of short-term moderate storage stress on the disintegration and dissolution of four types of compressed tablets. Ondari CO, et al. **Pharm Acta Helv** 1984; 59(5–6):149–53
Properties of mixtures of two tablet matrices. Panaggio A, et al. **Pharm Acta Helv** 1984;59(2):37–9
A new approach of ordered mixing applied to digitoxin tablets. De Jong EJ, et al. **Pharm Weekbl [Sci]** 1984 Feb 24;6(1):16–7
Improvement by super disintegrants of the properties of tablets containing lactose, prepared by wet granulation. van Kamp HV, et al. **Pharm Weekbl [Sci]** 1983 Aug 26; 5(4):165–71
Inappropriately inhaled bronchodilators. Coppack SW, et al. **Thorax** 1984 Jun;39(6):472
[The passage time for capsules and tablets through the esophagus] Hey H, et al. **Ugeskr Laeger** 1983 Aug 8; 145(32):2432–5 (Eng. Abstr.) **(Dan)**
[Determination of capping tendency in pharmaceutical active ingredients and excipients] Jetzer W, et al. **Pharm Acta Helv** 1984;59(1):2–7 (Eng. Abstr.) **(Ger)**
[Control of drug release from coated parenteral matrix-retard tablets using softening agents] Korsatko W, et al. **Pharmazie** 1983 Sep;38(9):608–11 (Eng. Abstr.) **(Ger)**
[Factors influencing the energy requirements of tabletting. II] Kovács B, et al. **Acta Pharm Hung** 1984 Mar;54(2):78–83 (Eng. Abstr.) **(Hun)**
[Factors influencing the energy demand in the pressing of tablets. I] Kovács B. **Acta Pharm Hung** 1983 Nov; 53(6):273–9 (Eng. Abstr.) **(Hun)**
[Beta-cyclodextrin as an auxiliary substance in tabletting (preliminary communication)] Krajnyák J, et al. **Acta Pharm Hung** 1984 Mar;54(2):90–1 **(Hun)**
[Avicel PH 101R compressibility] Pintyéné Hódi K, et al. **Acta Pharm Hung** 1984 May;54(3):127–32 (Eng. Abstr.) **(Hun)**
[Production of perhepar powder by means of spray drying] Wayer M, et al. **Acta Pharm Hung** 1984 Mar;54(2):64–8 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

[Lesions in the upper esophagus caused by orally administered drugs] Hey H, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2450–2 **(Dan)**

ANALYSIS

Rapid spectrophotometric determination of saccharin in soft drinks and pharmaceuticals using Azure B as reagent. Ramappa PG, et al. **Analyst** 1983 Aug;108(1289):966–70

STANDARDS

[A high-pressure mercury method in the study of porosity and pore radius distribution in model tablets prepared with various binding material concentrations and under various pressures] Nagykáldi A, et al. **Acta Pharm Hung** 1984 Jan; 54(1):30–43 (Eng. Abstr.) **(Hun)**

TABLETS, ENTERIC-COATED

Gastric emptying of enteric-coated tablets. Park HM, et al. **Dig Dis Sci** 1984 Mar;29(3):207–12

ADVERSE EFFECTS

Self-poisoning with enteric-coated aspirin. Kwong TC, et al. **Am J Clin Pathol** 1983 Dec;80(6):888–90
Esophageal ulceration due to enterocoated doxycycline therapy—further considerations [letter] Delpre G, et al. **Gastrointest Endosc** 1984 Feb;30(1):44

ANALYSIS

Radiotelemetric method for evaluating enteric coatings in vivo. Dressman JB, et al. **J Pharm Sci** 1984 Jul;73(7):935–8

TABOO

[The forbidden, the act; heroin and adolescents] Charles-Nicolas A. **Neuropsychiatr Enfance Adolesc** 1983 Aug-Sep;31(8–9):416–21 **(Fre)**

TACHYCARDIA

Ventriculoatrial conduction in swine during cardiac pacing: animal model for retrograde conduction. Bowman TA, et al. **Am Heart J** 1984 Aug;108(2):337–41
Ventricular tachycardia—1983. Buxton AE, et al. **PACE** 1984 Jan;7(1):96–108 (80 ref.)
[Tachycardiac forms of arrhythmia in children and their treatment] Orlova NV, et al. **Pediatriia** 1984 Jan;(1):58–61 **(Rus)**

CHEMICALLY INDUCED

Torsade de pointes due to quinidine: observations in 31 patients. Bauman JL, et al. **Am Heart J** 1984 Mar; 107(3):425–30
Sotalol-induced torsade de pointes. Kuck KH, et al. **Am Heart J** 1984 Jan;107(1):179–80
Q-T prolongation and torsades de pointes ventricular tachycardia produced by maprotiline [letter] Abinader EG. **Am J Cardiol** 1984 Feb 1;53(4):654
Flecainide toxicity. Spivack C, et al. **Am J Cardiol** 1984 Jan 15;53(2):329–30
Torsade de Pointe. Malignant cardiac arrhythmia induced by amantadine poisoning. Sartori M, et al. **Am J Med** 1984 Aug;77(2):388–91
Cardiovascular collapse associated with oral terbutaline tocolytic therapy. Carpenter RJ Jr, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):821–3
Neonatal supraventricular tachycardia following prolonged maternal ritodrine administration. Hermansen MC, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):798–9
Torsade de pointes [letter] Allberry RA. **Anaesthesia** 1983 Sep;38(9):910
Convulsions and ventricular tachycardia from bupivacaine with epinephrine: successful resuscitation. Mallampati SR, et al. **Anesth Analg** 1984 Sep;63(9):856–9
Sotalol, hypokalaemia, syncope, and torsade de pointes [letter] Antonaccio MJ, et al. **Br Heart J** 1984 Sep; 52(3):358–9
Sotalol, hypokalaemia, syncope, and torsade de pointes. McKibbin JK, et al. **Br Heart J** 1984 Feb;51(2):157–62
Sotalol-induced torsade de pointes. Rakovec P, et al. **Cathet Cardiovasc Diagn** 1984;10(2):167–70
Sinusoidal ventricular tachycardia associated with flecainide acetate. Sellers TD, et al. **Chest** 1984 May;85(5):647–9
Bradycardia-dependent triggered activity: relevance to drug-induced multiform ventricular tachycardia. Brachmann J, et al. **Circulation** 1983 Oct;68(4):846–56
Torsade de pointes ventricular tachycardia associated with lidoflazine therapy [letter] Fazekas T, et al. **Eur Heart J** 1984 Apr;5(4):343
Torsade de pointes after amiodarone withdrawal; effects of mild hypokalaemia on repolarization. Forfar JC, et al. **Eur Heart J** 1984 Jun;5(6):510–2
Ventricular arrhythmias associated with lidoflazine: side-effects observed in a randomized trial. Hanley SP, et al. **Eur Heart J** 1983 Dec;4(12):889–93
Lack of protection against ouabain cardiotoxicity after chronic ablation of the area postrema in cats. Thron CD, et al. **Exp Neurol** 1984 Sep;85(3):574–83
Severe hypertension and tachycardia associated with pancuronium bromide in a patient with asymptomatic pheochromocytoma. Hirano S, et al. **Hinyokika Kiyo** 1984 May;30(5):709–13
Torsade de pointes induced by N-acetylprocainamide. Chow MJ, et al. **J Am Coll Cardiol** 1984 Sep;4(3):621–4
Experimental amitriptyline intoxication: electrophysiologic manifestations and management. Nattel S, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb;6(1):83–9
Torsade de pointes: a mechanism for sudden death associated with neuroleptic drug therapy? Liberatore MA, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):143–6
Polymorphic ventricular tachycardia and other complex arrhythmias in organophosphate insecticide poisoning. Brill DM, et al. **J Electrocardiol** 1984 Jan;17(1):97–102
Organophosphates and torsade de pointes ventricular tachycardia [letter] Kiss Z, et al. **J R Soc Med** 1983 Nov; 76(11):984–5
'Pertussis toxin induces tachycardia and impairs the increase in blood pressure produced by alpha 2-adrenergic agonists'. Boyer JL, et al. **Life Sci** 1983 Dec 26;33(26):2627–33
Supraventricular tachycardia. A probable complication of platinum treatment. Hashimi LA, et al. **Oncology** 1984; 41(3):174–5
Polymorphous ventricular tachycardia associated with a marked prolongation of the Q-T interval induced by amiodarone. Bhandari AK, et al. **PACE** 1984 May;7(3 Pt 1):341–5
Does hyperthyroidism predispose to thioridazine-induced hyperpyrexia and cardiac arrhythmias? Murphy MB, et al. **Postgrad Med J** 1984 Jun;60(704):445–6
Fatal ventricular tachycardia in association with propafenone, a new class IC antiarrhythmic agent. Nathan AW, et al. **Postgrad Med J** 1984 Feb;60(700):155–6
Indoramin induced tachycardia [letter] Mishra KM, et al. **Practitioner** 1984 Apr;228(1390):362–3
[Malignant ventricular dysrhythmia in thioridazine poisoning] Spáčil J, et al. **Cas Lek Cesk** 1983 Nov 18; 122(46):1434–5 **(Cze)**
[Severe poisoning with thyroid hormones in a body builder] Krusell LR, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2441–2 (Eng. Abstr.) **(Dan)**
[Acute voluntary carpipramine poisoning with ventricular tachycardia] Racle JP, et al. **Ann Fr Anesth Reanim** 1984; 3(1):52–3 (Eng. Abstr.) **(Fre)**
[Torsades de pointe in an infant. Possible role of diphemanil (letter)] Lucet V, et al. **Presse Med** 1984 Jun 16;13(25):1579 **(Fre)**
[Bidirectional ventricular tachycardia. Description of 2 cases] Costantini M, et al. **Boll Soc Ital Cardiol** 1983 Dec; 28(12):1053–63 (Eng. Abstr.) **(Ita)**
[A case of atypical ventricular tachycardia induced by disopyramide] Yamaguchi A, et al. **Kokyu To Junkan** 1984 Apr;32(4):421–4 (Eng. Abstr.) **(Jpn)**
[Torsade de pointes induced by disopyramide. Presentation of a case with fatal outcome] Azpitarte Almagro J, et al. **Rev Esp Cardiol** 1984 Mar-Apr;37(2):145–8 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Precise scientific meanings advocated [letter] Scherlug BJ. **Am J Cardiol** 1984 May 1;53(9):1413

COMPLICATIONS

Factors that predict syncope during ventricular tachycardia in patients. Hamer AW, et al. **Am Heart J** 1984 May;107(5 Pt 1):997–1005
High prevalence of nonsustained ventricular tachycardia in severe congestive heart failure. Maskin CS, et al. **Am Heart J** 1984 May;107(5 Pt 1):896–901
Isolated right ventricular infarction with ventricular tachycardia. Weiss AT, et al. **Am Heart J** 1984 Aug; 108(2):425–6
Mild Ebstein's anomaly associated with supraventricular tachycardia and sudden death: clinicomorphologic features in 3 patients. Rossi L, et al. **Am J Cardiol** 1984 Jan 15; 53(2):332–4
Sudden death in infants with chaotic atrial rhythm. Yeager SB, et al. **Am J Dis Child** 1984 Jul;138(7):689–92
Second-stage fetal tachycardia and neonatal infection. Schiano MA, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):779–81
Life threatening ventricular tachycardias in late survivors of surgically corrected tetralogy of Fallot. Dunnigan A, et al. **Br Heart J** 1984 Aug;52(2):198–206
A new protocol of programmed stimulation for assessment of predisposition to spontaneous ventricular arrhythmias. Richards DA, et al. **Eur Heart J** 1983 Jun;4(6):376–82
Bundle branch block after ventricular tachycardia: a manifestation of 'fatigue' or 'overdrive suppression'. Fisch C. **J Am Coll Cardiol** 1984 Jun;3(6):1562–4
Ventricular tachyarrhythmias complicating the idiopathic or acquired long QT syndrome: a reentry in the His-Purkinje system? [letter] Santinelli V, et al. **J Electrocardiol** 1984 Jan;17(1):103–4
[Echocardiographic diagnosis of fetal heart insufficiency caused by supraventricular tachycardia] Wester HA, et al. **Z Kardiol** 1984 Jun;73(6):405–8 (Eng. Abstr.) **(Ger)**
[Hemodynamic aspects of torsade de pointes: echocardiographic study of a case] Guaragna RF, et al. **G Ital Cardiol** 1983 Nov;13(11):351–4 (Eng. Abstr.) **(Ita)**
[Variant form of angina pectoris with frequent attacks of ventricular tachycardia] Ishizuka T, et al. **Kokyu To Junkan** 1983 Jun;31(6):629–35 **(Jpn)**
[Value of premonitory arrhythmias in the acute phase of myocardial infarction] Solimene MC, et al. **Arq Bras Cardiol** 1983 May;40(5):297–303 (Eng. Abstr.) **(Por)**

CONGENITAL

Afterdepolarizations as a mechanism for the long QT syndrome: electrophysiologic studies of a case. Schechter E, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1556–61

DIAGNOSIS

Chaotic atrial tachycardia in the mitral valve prolapse syndrome. Abinader EG, et al. **Am Heart J** 1983 Nov;106(5

Pt 1):1161–2
Subcostal M-mode echocardiography of the right atrial wall for differentiation of supraventricular tachyarrhythmias with aberration from ventricular tachycardia. Drinković N. **Am Heart J** 1984 Feb;107(2):326–31
Local right ventricular electrogram for ECG-gated cardioscintigraphy to assess right ventricular function during biventricular dissociation. Manyari DE, et al. **Am Heart J** 1984 Feb;107(2):385–8
Clinical characteristics and results of electrophysiologic testing in young adults with ventricular tachycardia or ventricular fibrillation. Morady F, et al. **Am Heart J** 1983 Dec;106(6):1306–14
Ambulatory ventricular tachycardia: characteristics of the initiating beat. Swerdlow B, et al. **Am Heart J** 1983 Dec; 106(6):1326–31
Differential diagnosis of tachycardia with narrow QRS complex (shorter than 0.12 second). Bär FW, et al. **Am J Cardiol** 1984 Sep 1;54(6):555–60
Value of left ventricular ejection fraction in extensive anterior infarction to predict development of ventricular tachycardia. Braat SH, et al. **Am J Cardiol** 1983 Oct 1; 52(7):686–9
Electrophysiologic studies in nonsustained ventricular tachycardia: relation to underlying heart disease. Buxton AE, et al. **Am J Cardiol** 1983 Nov 1;52(8):985–91
Ventricular tachycardia induced by atrial stimulation in patients without symptomatic cardiac disease. German LD, et al. **Am J Cardiol** 1983 Dec 1;52(10):1202–7
Atrioventricular dissociation detected by suprasternal M-mode echocardiography: a clue to the diagnosis of ventricular tachycardia. Rückel A, et al. **Am J Cardiol** 1984 Sep 1;54(6):561–3
Wide and narrow QRS-complex tachycardias occurring in the same patient. Sheikh AI, et al. **Arch Intern Med** 1984 Feb;144(2):385–7
'Torsades de pointes' an atypical ventricular tachyarrhythmia. Kunkel RM, et al. **Ariz Med** 1983 Oct; 40(10):687–9
Electrocardiogram of the month. Sinus tachycardia. Johnson CD. **Bol Asoc Med PR** 1984 Jan;76(1):25
Diagnosis of broad complex tachycardias with ambulatory monitoring of atrial electrography. Lipkin DP, et al. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1713–4
Masking of fetal supraventricular tachycardia by electronic monitoring artefact. Post WD, et al. **Can Med Assoc J** 1984 Sep 1;131(5):462–4
Right ventricular tachycardia: clinical and electrophysiologic characteristics. Buxton AE, et al. **Circulation** 1983 Nov; 68(5):917–27
Role of triple extrastimuli during electrophysiologic study of patients with documented sustained ventricular tachyarrhythmias. Buxton AE, et al. **Circulation** 1984 Mar; 69(3):532–40
Fast-Fourier transform analysis of signal-averaged electrocardiograms for identification of patients prone to sustained ventricular tachycardia. Cain ME, et al. **Circulation** 1984 Apr;69(4):711–20
The value of catheter mapping during sinus rhythm to localize site of origin of ventricular tachycardia. Cassidy DM, et al. **Circulation** 1984 Jun;69(6):1103–10
Mechanisms of supraventricular tachycardia. Arcebal AG, et al. **Heart Lung** 1984 Mar;13(2):205–9
Persistent tachycardia in a teenager—what type is it? Hancock EW. **Hosp Pract [Off]** 1984 Jun;19(6):77, 80–1
EKG of the month. Atrial tachycardia. **IMJ** 1984 Feb; 165(2):107, 129
Pheochromocytoma presenting as recurrent syncope resulting from ventricular tachycardia—an unusual presentation. Kaul U, et al. **Indian Heart J** 1984 Mar-Apr; 36(2):118–20
Fetal tachycardia and meconium staining: a sign of fetal infection. Blot P, et al. **Int J Gynaecol Obstet** 1983 Jun; 21(3):189–94
Surface electrocardiographic clues suggesting presence of a nodofascicular Mahaim fiber. Bardy GH, et al. **J Am Coll Cardiol** 1984 May;3(5):1161–8
Observations on the antidromic type of circus movement tachycardia in the Wolff-Parkinson-White syndrome. Kuck KH, et al. **J Am Coll Cardiol** 1983 Nov;2(5):1003–10
Value of the 12 lead electrocardiogram in diagnosing type and mechanism of a tachycardia: a survey among 22 cardiologists. Wellens HJ, et al. **J Am Coll Cardiol** 1984 Jul;4(1):176–9
EKG of the month. Atrial anarchy. Martinez-Lopez JI. **J La State Med Soc** 1984 Feb;136(2):31–2
Fetal supraventricular tachycardia: a case of (intermittent) atrial flutter. Diro M, et al. **J Natl Med Assoc** 1984 May; 76(5):528–33
EKG of the month.Torsades de pointes. Campbell WB. **J Tenn Med Assoc** 1984 Jul;77(7):401–3
Characteristics of non-sustained ventricular tachycardia detected by ambulatory electrocardiography. Saito K, et al. **Jpn Circ J** 1984 May;48(5):421–6
Fetal tachycardia [letter] Downes K. **Med J Aust** 1983 Oct 29;2(9):419–20
Programmed electrical stimulation of the heart: how, when and where. Brugada P, et al. **Med Prog Technol** 1983; 9(4):201–8
EKG of the month. Sinus tachycardia. Baker CE, et al. **Nurse Pract** 1984 Apr;9(4):68
Bipolar oesophageal electrocardiography and pacing in a coronary care unit. Crozier IG, et al. **NZ Med J** 1984 Jul 11;97(759):450–3
Automatic tachycardia recognition. Arzbaecher R, et al. **PACE** 1984 May;7(3 Pt 2):541–7
[Tachycardia and ensuing electrosystole] Perrot B, et al. **Ann Cardiol Angeiol (Paris)** 1983 Oct;32(6):409–15 (Eng. Abstr.) **(Fre)**
[Evaluation of ventricular tachycardia by endocavitary stimulation. Apropos of 46 cases] Cassagneau B, et al. **Arch Mal Coeur** 1984 Jun;77(6):652–60 (Eng. Abstr.) **(Fre)**
[Postoperative electrophysiologic studies. The use of epicardial electrodes in the electrophysiologic evaluation of the surgical treatment of ventricular arrhythmia] Pagé P, et al. **Union Med Can** 1983 Nov;112(11):1041–6 (Eng. Abstr.) **(Fre)**
[Ergometry and long-term ECG for assessing bradycardiac and tachycardiac heart rhythm disorders in symptomatic patients over 70] Glogar DH, et al. **Acta Med Austriaca** 1984;11(3–4):135–41 (Eng. Abstr.) **(Ger)**
[Torsades de pointes and ventricular flutter] Hust MH, et al. **Internist (Berlin)** 1984 Jan;25(1):68–71 **(Ger)**
[Multifocal atrial tachycardia in infancy] Toussaint R, et al. **Klin Padiatr** 1984 Mar-Apr;196(2):118–20 (Eng. Abstr.) **(Ger)**
[Diagnosis and therapy of ventricular tachycardias] Seipel L, et al. **Z Gesamte Inn Med** 1983 Sep 1;38(17):461–7 (Eng. Abstr.) **(Ger)**
[Idiopathic syndrome of the long QT interval—the need for a prospective study] Schwartz PJ. **Z Kardiol** 1984 Feb; 73(2):125–7 **(Ger)**
[Left atrial myoma presenting with atrial tachycardia] Abinader E, et al. **Harefuah** 1983 Nov 1;105(9):263–4 (Eng. Abstr.) **(Heb)**
[Role of electrophysiologic studies in selecting preventive therapy in recurrent, sustained ventricular tachycardia] Belhassen B, et al. **Harefuah** 1983 Jan 2;104(1):4–9 (Eng. Abstr.) **(Heb)**
[Course and prognosis of ventricular tachycardia associated with cardiopathy] Di Marcotullio G, et al. **Boll Soc Ital Cardiol** 1982;27(5):491–2 **(Ita)**
[Clinical, electrophysiologic and histologic findings in a case of substained idiopathic ventricular tachycardia] Montenero AS, et al. **Boll Soc Ital Cardiol** 1982 Dec; 27(12):1155–61 (Eng. Abstr.) **(Ita)**
[Two-dimensional echocardiographic findings in a case of arrhythmogenic right ventricular dysplasia] Hayakawa M, et al. **J Cardiogr** 1983 Jun;13(2):453–63 (Eng. Abstr.) **(Jpn)**
[A case with arrhythmogenic right ventricular dysplasia] Yamada Z, et al. **J Cardiogr** 1983 Dec;13(4):1053 **(Jpn)**
[Diagnosis of the origin of ventricular tachycardia by 12-lead electrocardiogram—evaluation of ECG of clinical cases of VT] Ushijima S, et al. **Kokyu To Junkan** 1984 Jun; 32(6):619–25 (Eng. Abstr.) **(Jpn)**
[A case of familial prolongation of the QT interval with attacks of torsade de pointes in one member of the family] Wermut W, et al. **Pol Tyg Lek** 1983 Nov 28;38(48):1515–8 (Eng. Abstr.) **(Pol)**
[Differential diagnosis of ventricular and pseudoventricular tachycardia] Shastin IV, et al. **Voen Med Zh** 1983 Sep; (9):32–6 **(Rus)**
[Ventricular tachycardia in a healthy child. Electrophysiological study and review of the literature] Bermejo J, et al. **An Esp Pediatr** 1983 Aug;19(2):79–87 (Eng. Abstr.) **(Spa)**
[New electrocardiographic observations in the differential diagnosis of tachycardia with wide QRS complex. Role of electrophysiologic studies in the re-evaluation of the diagnostic potential of the surface ECG] Farré J, et al. **Rev Esp Cardiol** 1984 Jan-Feb;37(1):47–59 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Blood levels and electrophysiological effects of intravenous amiodarone in patients with junctional reciprocating tachycardia. Preliminary observations. Giani P, et al. **Acta Cardiol (Brux)** 1984;39(1):9–17
Mexiletine in lidocaine-resistant ventricular tachycardia [letter] Abinader EG. **Am Heart J** 1984 Apr;107(4):808–9
Ethmozin. II. Effects of intravenous drug administration on atrioventricular nodal reentrant tachycardia. Chazov EI, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):483–9
Electrophysiologic effects and mechanisms of termination of supraventricular tachycardia by intravenous amiodarone. Gomes JA, et al. **Am Heart J** 1984 Feb;107(2):214–21
Effects of intravenous amiodarone in patients with inducible repetitive ventricular responses and ventricular tachycardia. Hariman RJ, et al. **Am Heart J** 1984 Jun; 107(6):1109–17
Electrophysiologic effects of ethmozin in patients with ventricular tachycardia. Mann DE, et al. **Am Heart J** 1984 Apr;107(4):674–9
Mexiletine for treatment of torsade de pointes. Shah A, et al. **Am Heart J** 1984 Mar;107(3):589–91
Effects of amiodarone on supraventricular tachycardia involving bypass tracts. Alboni P, et al. **Am J Cardiol** 1984 Jan 1;53(1):93–8
Experience with electrophysiologically guided therapy of ventricular tachycardia with flecainide: summary of long-term follow-up. Anderson JL. **Am J Cardiol** 1984 Feb 27;53(5):79B–86B
Antiarrhythmic and electrophysiologic actions of bethanidine sulfate in primary ventricular fibrillation or life-threatening ventricular tachycardia. Benditt DG, et al. **Am J Cardiol** 1984 May 1;53(9):1268–74
Electropharmacology of nonsustained ventricular tachycardia: effects of class I antiarrhythmic agents, verapamil and propranolol. Buxton AE, et al. **Am J Cardiol** 1984 Mar 1;53(6):738–44
Actions of disopyramide on potential reentrant pathways and ventricular tachyarrhythmias in conscious dogs during the late post-myocardial infarction phase. Cobbe SM, et al. **Am J Cardiol** 1984 Jun 1;53(11):1712–8
Clinical efficacy and electrophysiology of oral propafenone for ventricular tachycardia. Connolly SJ, et al. **Am J Cardiol** 1983 Dec 1;52(10):1208–13
Clinical efficacy and electrophysiology of imipramine for ventricular tachycardia. Connolly SJ, et al. **Am J Cardiol** 1984 Feb 1;53(4):516–21
Procainamide cardioversion of fetal supraventricular tachyarrhythmia. Given BD, et al. **Am J Cardiol** 1984 May 15;53(10):1460–1
Bepridil for recurrent sustained ventricular tachycardias: assessment using electrophysiologic testing. Levy S, et al. **Am J Cardiol** 1984 Sep 1;54(6):579–81
Long-term clinical outcome of ventricular tachycardia or fibrillation treated with amiodarone. McGovern B, et al. **Am J Cardiol** 1984 Jun 1;53(11):1558–63
Long-term efficacy and toxicity of high-dose amiodarone therapy for ventricular tachycardia or ventricular fibrillation. Morady F, et al. **Am J Cardiol** 1983 Nov 1; 52(8):975–9
Amiodarone: correlation of serum concentration with suppression of complex ventricular ectopic activity. Mostow ND, et al. **Am J Cardiol** 1984 Sep 1;54(6):569–74
Clinical and electrophysiologic assessment of oral flecainide acetate for recurrent ventricular tachycardia: evidence for exacerbation of electrical instability. Oetgen WJ, et al. **Am J Cardiol** 1983 Oct 1;52(7):746–50
Effectiveness and safety of oral verapamil to control exercise-induced tachycardia in patients with atrial fibrillation receiving digitalis. Panidis IP, et al. **Am J Cardiol** 1983 Dec 1;52(10):1197–201
Effect of verapamil on retrograde conduction in atrioventricular nodal reentrant tachycardia. Reddy CP, et al. **Am J Cardiol** 1984 Sep 1;54(6):535–43
Evaluation of flecainide acetate in the management of patients at high risk of sudden cardiac death. Reid PR, et al. **Am J Cardiol** 1984 Feb 27;53(5):108B–111B
Clinical efficacy and electropharmacology of continuous intravenous amiodarone infusion and chronic oral amiodarone in refractory ventricular tachycardia. Saksena S, et al. **Am J Cardiol** 1984 Aug 1;54(3):347–52
Mexiletine for drug-resistant ventricular tachycardia [letter] Sobol BJ. **Am J Cardiol** 1984 Feb 1;53(4):652
New directions in antiarrhythmic drug therapy. Somberg JC. **Am J Cardiol** 1984 Aug 13;54(4):8B–17B
Evaluation of lorcainide in patients with symptomatic ventricular tachycardia. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13;54(4):43B–48B
Comparison of noninvasive arrhythmia induction techniques with electrophysiologic studies and evaluation of lorcainide in patients with symptomatic ventricular tachycardia. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13; 54(4):49B–54B
Lorcainide therapy for the high-risk patient post myocardial infarction. Somberg JC, et al. **Am J Cardiol** 1984 Aug 13; 54(4):37B–42B
Antiarrhythmic action of bethanidine. Somberg JC, et al. **Am J Cardiol** 1984 Aug 1;54(3):343–6
Magnesium therapy for torsades de pointes. Tzivoni D, et al. **Am J Cardiol** 1984 Feb 1;53(4):528–30
Combined verapamil and propranolol for supraventricular tachycardia. Yee R, et al. **Am J Cardiol** 1984 Mar 1; 53(6):757–63
Tachycardia and mitral valve disease [letter] Jackson J. **Anesthesiology** 1984 Apr;60(4):389–91
Acute alcohol withdrawal complicated by supraventricular tachycardia: treatment with intravenous propranolol. Smile DH. **Ann Emerg Med** 1984 Jan;13(1):53–5
Selection of optimal drug treatment of ventricular tachycardia by programmed electrical stimulation of the heart. Breithardt G, et al. **Ann NY Acad Sci** 1984;427:49–66 (67 ref.)
Shortening of R-PP interval by verapamil in reciprocating tachycardia. Chia BL, et al. **Chest** 1983 Oct;84(4):471–2
Use of verapamil to control an inappropriate chronic sinus tachycardia. Foster MC, et al. **Chest** 1984 May;85(5):697–9
Successful treatment of fetal supraventricular tachycardia with maternal digoxin therapy. King CR, et al. **Chest** 1984 Apr;85(4):573–5
Junctional ectopic tachycardia and verapamil. Santinelli V, et al. **Chest** 1984 Jan;85(1):121–2
Comparison of lorcainide and quinidine in the treatment of ventricular ectopy. Vlay SC, et al. **Chest** 1984 Jul; 86(1):80–3
Electrophysiologic effects of adenosine-5'-triphosphate on atrioventricular reentrant tachycardia. Belhassen B, et al. **Circulation** 1983 Oct;68(4):827–33
Sustained ventricular tachycardia in patients with idiopathic dilated cardiomyopathy: electrophysiologic testing and lack of response to antiarrhythmic drug therapy. Poll DS,

et al. **Circulation** 1984 Sep;70(3):451–6

Electrophysiologic testing in assessment of therapy with sotalol for sustained ventricular tachycardia. Senges J, et al. **Circulation** 1984 Mar;69(3):577–84

Antiarrhythmic use of cibenzoline, a new class 1 antiarrhythmic agent with class 3 and 4 properties, in patients with recurrent ventricular tachycardia. Cocco G, et al. **Eur Heart J** 1984 Feb;5(2):108–14

Safety and efficacy of esmolol (ASL–8052: an ultrashort–acting beta–adrenergic blocking agent) for control of ventricular rate in supraventricular tachycardias. Byrd RC, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):394–9

Lorcainide in patients with refractory ventricular tachyarrhythmia. Chesnie B, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1531–9

Limited role of intravenous propafenone hydrochloride in the treatment of sustained ventricular tachycardia: electrophysiologic effects and results of programmed ventricular stimulation. Doherty JU, et al. **J Am Coll Cardiol** 1984 Aug;4(2):378–81

Amiodarone: intravenous loading for rapid suppression of complex ventricular arrhythmias. Mostow ND, et al. **J Am Coll Cardiol** 1984 Jul;4(1):97–104

Electrophysiologic and hemodynamic effects of intravenous propafenone in patients with recurrent ventricular tachycardia. Shen EN, et al. **J Am Coll Cardiol** 1984 May; 3(5):1291–7

Sonographic evaluation of prenatal therapy for fetal supraventricular tachycardia and congestive heart failure. A case report. Hill LM, et al. **J Reprod Med** 1983 Oct; 28(10):671–6

Propranolol for postoperative supraventricular tachycardia [letter] Mohr R, et al. **J Thorac Cardiovasc Surg** 1983 Nov; 86(5):793–4

When is a drug side effect a therapeutic effect? Pritchett EL. **NC Med J** 1984 May;45(5):331

Multiple drug toxicity. Overt and subtle signs in ventricular tachycardia. Vlay SC, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1185–6

The use of intravenous disopyramide for the conversion of supraventricular tachyarrhythmias. Stewart DE, et al. **NZ Med J** 1984 Mar 14;97(751):148–50

Supraventricular tachycardia in pregnancy: cardioversion with verapamil. Klein V, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):16S–18S

Failure to pace following high dose antiarrhythmic therapy—reversal with isoproterenol. Levick CE, et al. **PACE** 1984 Mar;7(2):252–6

Amiodarone for refractory automatic atrial tachycardia: observations on the electrophysiological actions of amiodarone. Wiener I, et al. **PACE** 1984 Jul;7(4):707–9

Amiodarone therapy in children: a cautionary comment. Hesslein PS. **Pediatrics** 1983 Dec;72(6):817–8

Amiodarone in control of sustained tachyarrhythmias in children with Wolff–Parkinson–White syndrome. Shahar E, et al. **Pediatrics** 1983 Dec;72(6):813–6

[Value of provocation tests in the evaluation of the treatment of ventricular tachycardias with amiodarone] Cassagneau B, et al. **Arch Mal Coeur** 1984 Jul;77(7):766–72 (Eng. Abstr.) (Fre)

[Monitoring amiodarone] Glasson S, et al. **Schweiz Med Wochenschr** 1983 Nov 19;113(46):1731–2 (Eng. Abstr.) (Fre)

[Therapeutic problems in hyperkinetic heart syndrome] Rameis H, et al. **Acta Med Austriaca** 1984;11(1):17–22 (Eng. Abstr.) (Ger)

[Programmed stimulation in patients with malignant ventricular arrhythmia. II: Individual optimization of anti–arrhythmia therapy] Senges J, et al. **Herz** 1984 Apr; 9(2):77–82 (Eng. Abstr.) (Ger)

[Modification of hemodynamics in tachycardiac atrial fibrillation by metoprolol and verapamil] Maier WD, et al. **Z Kardiol** 1983 Aug;72(8):465–70 (Eng. Abstr.) (Ger)

[Amiodarone in the bradycardia–tachycardia syndrome. 2–year follow–up] Conte MR, et al. **Boll Soc Ital Cardiol** 1982;27(6):581–6 (Ita)

[Comparative study on the efficacy of disopyramide and propafenone in the prevention of the recurrence of ventricular tachycardia] Palmieri M, et al. **G Ital Cardiol** 1984 May;14(5):357–9 (Eng. Abstr.) (Ita)

[Effect of verapamil on retrograde conduction in ventricular tachycardia. Description of a case] Cavallini B, et al. **Minerva Cardioangiol** 1984 Apr;32(4):231–3 (Eng. Abstr.) (Ita)

[Antiarrhythmic effect of cardiac glycosides in the preclinical stages of heart failure in children with ectopic rhythm disorders] Ternova TI, et al. **Pediatriia** 1984 Apr;(4):13–6 (Eng. Abstr.) (Rus)

[Immediate effects of intravenous amiodarone on supraventricular tachyarrhythmias] Cortadellas Angel J, et al. **Rev Esp Cardiol** 1983;36(4):329–36 (Eng. Abstr.) (Spa)

ECONOMICS

Management of recurrent ventricular tachycardia: economic impact of therapeutic alternatives. Ferguson D, et al. **Am J Cardiol** 1984 Feb 1;53(4):531–6

ETIOLOGY

Induction of ventricular tachyarrhythmias—rationality gained or ethics lost? [editorial] Rasmussen K. **Acta Med Scand** 1983;214(3):177–9

Torsade de pointes complicating acute myocardial infarction. Griffin J, et al. **Am Heart J** 1984 Jan;107(1):169–70

Hyperventilation–induced variant angina with ventricular tachycardia. Hisano K, et al. **Am Heart J** 1984 Aug; 108(2):423–5

Tachyarrhythmias associated with programmable automatic atrial antitachycardia pacemakers. Lerman BB, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1029–35

Identification of reproducible ventricular tachycardia in a canine model. Bardy GH, et al. **Am J Cardiol** 1984 Feb 1;53(4):619–25

Ventricular tachycardia induced by atrial stimulation [letter] Belhassen B. **Am J Cardiol** 1984 Jul 1;54(1):244

Facilitation of ventricular tachycardia induction with abrupt changes in ventricular cycle length. Denker S, et al. **Am J Cardiol** 1984 Feb 1;53(4):508–15

Polymorphous ventricular tachycardia in acute myocardial infarction. Grenadier E, et al. **Am J Cardiol** 1984 May 1; 53(9):1280–3

Sustained ventricular tachycardia after repair of tetralogy of Fallot: new electrophysiologic findings [letter] Mehta AV, et al. **Am J Cardiol** 1984 Mar 15;53(7):989

Ventricular tachyarrhythmias complicating amiodarone therapy in the presence of hypokalemia. Santinelli V, et al. **Am J Cardiol** 1984 May 15;53(10):1462–3

Pacemaker–induced sustained ventricular tachycardia. Tibbits PA, et al. **Am J Cardiol** 1984 Aug 1;54(3):454–5

Hypomagnesemic torsades de pointes. Topol EJ, et al. **Am J Cardiol** 1983 Dec 1;52(10):1367–8

Dangers of heated water blankets and small children [letter] Smith HS. **Anaesthesia** 1983 Oct;38(10):1006–7

Tachyarrhythmia in yersinia arthritis [letter] Lenz T, et al. **Ann Rheum Dis** 1984 Jun;43(3):535–6

Pacemaker–mediated tachycardia. A complication of atrioventricular universal (DDD) pacemakers. Greenberg RM, et al. **Arch Intern Med** 1984 May;144(5):1061–3

Ventricular tachycardia in a neonate secondary to hyperkalaemia. Emder P, et al. **Aust Paediatr J** 1983 Jun; 19(2):112–3

Torsade de pointes and asystole in a child with complete heart block and prolonged QT interval. Nikolic G, et al. **Aust Paediatr J** 1983 Sep;19(3):187–91

Programmed upper–rate limit dependent endless loop tachycardia. Amikam S, et al. **Chest** 1984 Feb;85(2):286–8

Preexcited reciprocating tachycardia in patients with Wolff–Parkinson–White syndrome: incidence and mechanisms. Bardy GH, et al. **Circulation** 1984 Sep; 70(3):377–91

Mapping of ventricular tachycardia induced by programmed stimulation in canine preparations of myocardial infarction. Cardinal R, et al. **Circulation** 1984 Jul;70(1):136–48

A prospective comparison of triple extrastimuli and left ventricular stimulation in studies of ventricular tachycardia induction. Morady F, et al. **Circulation** 1984 Jul;70(1):52–7

Maternal hyperventilation as a possible cause of fetal tachycardia sub partu. A clinical and experimental study. Müller G, et al. **Gynecol Obstet Invest** 1984;17(5):270–5

Tachycardic responses during the development of renal hypertension. Machado BH, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V122–7

Torsade de pointe ventricular tachycardia in a surgically repaired ostium secundum atrial septal defect associated with mitral valve prolapse. Mahapatra RK, et al. **Indian Heart J** 1984 Jan–Feb;36(1):67–71

Cardiac dysautonomia in acute intermittent porphyria. Gupta GL, et al. **Indian J Med Res** 1983 Aug;78:253–6

Ventricular tachycardia soon after myocardial infarction: risk and management. Marchlinski FE. **Int J Cardiol** 1984 Jun; 5(6):761–6

Life–threatening ventricular arrhythmias in septicemia. Aderka D, et al. **Isr J Med Sci** 1984 Jun;20(6):535–7

Clinical and induced ventricular tachycardia in a patient with myotonic dystrophy. Cannom DS, et al. **J Am Coll Cardiol** 1984 Sep;4(3):625–8

Electrophysiologic basis for the suppression by amiodarone of orthodromic supraventricular tachycardias complicating pre–excitation syndromes. Feld GK, et al. **J Am Coll Cardiol** 1984 May;3(5):1298–307

Torsade de pointes: the long–short initiating sequence and other clinical features: observations in 32 patients. Kay GN, et al. **J Am Coll Cardiol** 1983 Nov;2(5):806–17

Late induction of tachycardia in patients with ventricular fibrillation associated with acute myocardial infarction. Kowey PR, et al. **J Am Coll Cardiol** 1984 Mar;3(3):690–5

Ventricular ectopic activity in severe heart failure [letter] Oshin DL. **J Am Coll Cardiol** 1984 May;3(5):1352

Non–cardiac circulatory overload secondary to pneumatic thigh tourniquets. Maurer NH, et al. **J Am Podiatry Assoc** 1983 Nov;73(11):589–92

Evaluation of arrhythmogenicity of surgically induced endocardial versus ischemic myocardial damage. Wetstein L, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):571–6

Arrhythmogenic right ventricular dysplasia: a clinical model for the study of chronic ventricular tachycardia. Fontaine G, et al. **Jpn Circ J** 1984 Jun;48(6):515–38 (128 ref.)

Atrial flutter, atrial fibrillation, and other primary atrial tachycardias. Benditt DG, et al. **Med Clin North Am** 1984 Jul;68(4):895–918 (77 ref.)

Ventricular tachycardia. Mechanisms, diagnosis, and management. German LD, et al. **Med Clin North Am** 1984 Jul;68(4):919–34 (50 ref.)

'Pseudo–endless loop' tachycardia in an AV universal (DDD) pacemaker. Amikam S, et al. **PACE** 1984 Jan;7(1):129–31

The role of triggered activity in clinical ventricular arrhythmias. Brugada P, et al. **PACE** 1984 Mar;7(2):260–71

Runaway temporary pacemaker: case report of a 'runaway temporary pacemaker' with a rate over 1500/min. Chudasama L, et al. **PACE** 1978 Oct;1(4):529–30

Dissociation of the site of origin from the site of cryo–termination of ventricular tachycardia. Gessman LJ, et al. **PACE** 1983 Nov;6(6):1293–305

AV universal (DDD) pacemaker–mediated reentrant endless loop tachycardia initiated by a reciprocal beat of atrial origin. Johnson CD. **PACE** 1984 Jan;7(1):29–33

Myopotential interference with a DDD pacemaker—report of a case. Quintal R, et al. **PACE** 1984 Jan;7(1):37–9

Ventricular tachycardia with alternate ventriculo–atrial Wenckebach conduction due to two–level block. Wehr M, et al. **PACE** 1984 Mar;7(2):279–82

Wide QRS tachycardia: multiple mechanisms in a patient after myocardial infarction. Yee R, et al. **PACE** 1984 Mar; 7(2):179–86

Inducible polymorphous ventricular tachycardia following Mustard operation for transposition of the great arteries. Scagliotti D, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):39–43

[Clinical analysis of ventricular tachyarrhythmia in 82 cases of acute myocardial infarction] Kou WR. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):623–5 (Eng. Abstr.) (Chi)

[Late ventricular tachycardia after surgical correction of congenital cardiopathy. Impact, severity and predictive factors] Cloez JL, et al. **Arch Mal Coeur** 1984 May; 77(5):534–42 (Eng. Abstr.) (Fre)

[Torsades de pointes initiated by slow ventricular stimulation] Fontaine G, et al. **Arch Mal Coeur** 1983 Aug;76(8):918–24 (Eng. Abstr.) (Fre)

[Sustained ventricular tachycardia 7 years after complete correction of tetralogy of Fallot] Guillerm F, et al. **Arch Mal Coeur** 1984 Jul;77(7):840–5 (Eng. Abstr.) (Fre)

[Supraventricular tachycardia in a case of infectious mononucleosis (letter)] Allal J, et al. **Presse Med** 1984 Jun 2;13(23):1460 (Fre)

[Cardiac arrhythmias and their clinical significance in mitral valve prolapse] Baedeker W, et al. **Dtsch Med Wochenschr** 1984 Apr 27;109(17):661–6 (Eng. Abstr.) (Ger)

[Re–entry tachycardias: a fragment problem during physiologic heart stimulation] Jost M, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1675–7 (Eng. Abstr.) (Ger)

[Basic principles of tachycardia arrhythmias] Kléber AG. **Schweiz Rundsch Med Prax** 1984 Jan 17;73(3):55–8 (Eng. Abstr.) (Ger)

[Pathophysiology of ventricular tachyarrhythmias] Assmann I, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):104–8 (Eng. Abstr.) (Ger)

[Correlation of stimulus–induced ventricular echo beats and left ventricular function in patients without ventricular tachycardia] Abendroth RR, et al. **Z Kardiol** 1984 Apr; 73(4):214–9 (Eng. Abstr.) (Ger)

[Right ventricular intracardial recordings of late potentials in patients with acute myocardial infarction and recurrent ventricular tachycardias] Potratz J, et al. **Z Kardiol** 1983 Oct;72(10):609–16 (Eng. Abstr.) (Ger)

[Complications of total AV–block with torsade de pointes ventricular tachycardia during pacemaker implantation] Rudas L, et al. **Orv Hetil** 1984 Jan 8;125(2):89–91 (Eng. Abstr.) (Hun)

[Contribution of computerized radioisotope angiocardiography to the diagnosis of arrhythmogenic dysplasia of the right ventricle] De Benedictis N, et al. **G Ital Cardiol** 1984 May;14(5):312–6 (Eng. Abstr.) (Ita)

[Supraventricular tachycardia in children] Battaglia T, et al. **Minerva Med** 1983 Dec 15;74(47–48):2887–91 (Eng. Abstr.) (Ita)

[Tachycardia in the pilot. Effects of the alertness state and of helicopter flight] Calcagnini G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):65–77 (Eng. Abstr.) (Ita)

[A case of arrhythmogenic right ventricular dysplasia with special reference to endomyocardial biopsy study] Ih S, et al. **Kokyu To Junkan** 1984 May;32(5):533–7 (Eng. Abstr.) (Jpn)

[Supraventricular tachycardia in a 2–month–old infant with pneumonia] Stawiarczyk K, et al. **Wiad Lek** 1984 Feb 1; 37(3):208–12 (Eng. Abstr.) (Pol)

[Arrhythmogenic right ventricular dysplasia. Clinical and therapeutic aspects] Sosa E, et al. **Arq Bras Cardiol** 1983 Sep;41(3):175–80 (Eng. Abstr.) (Por)

[Hemodynamics in post–hemorrhagic anemia] Ambărus V. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):328–36 (Rum)

[Helicoid ventricular tachycardia, torsade de pointes, in acute myocardial infarction] Vidal J, et al. **Arch Inst Cardiol Mex** 1983 May–Jun;53(3):237–45 (Eng. Abstr.) (Spa)

[Chronic recurrent ventricular tachycardia following surgical correction of a double outlet of the right ventricle] Ferrando Jorda C, et al. **Rev Esp Cardiol** 1983;36(3):259–64 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Ventricular arrhythmias and left ventricular dysfunction in familial cardiomyopathy. Lindvall K, et al. **Acta Med Scand** 1983;214(2):135–43

Familial inducible torsade de pointes with normal QT interval. Strasberg B, et al. **Eur Heart J** 1983 Jun; 4(6):383–90

Torsade de pontes and complete heart block in familial cardiomyopathy. Tan AT, et al. **Singapore Med J** 1984 Apr; 25(2):84–6

[Familial focal His bundle tachycardia. A new case in the same family] Gaudelus J, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):343 **(Fre)**

[The Romano–Ward syndrome. Description of a clinical case and the study of 3 generations] Suárez–Pinilla MA, et al. **Med Clin (Barc)** 1984 Mar 24;82(11):499–501 (Eng. Abstr.) **(Spa)**

HISTORY

Terminology of tachycardias: historical background and evolution. Reddy CP, et al. **PACE** 1983 Sep;6(5 Pt 2):1123–42

METABOLISM

Cellular and tissue responses to recurrent ventricular tachycardia and fibrillation. Hoffman BF. **PACE** 1984 May; 7(3 Pt 2):489–92

[Effect of coenzyme Q10 administration in experimental aortic stenosis and tachycardia] Igarashi K, et al. **Kokyu To Junkan** 1984 Jun;32(6):591–4 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Prognostic significance of isolated sinus tachycardia during first three days of acute myocardial infarction. Crimm A, et al. **Am J Med** 1984 Jun;76(6):983–8

PATHOLOGY

Results of endomyocardial biopsy in patients with spontaneous ventricular tachycardia but without apparent structural heart disease. Strain JE, et al. **Circulation** 1983 Dec;68(6):1171–81

PHYSIOPATHOLOGY

Initiation of atrioventricular nodal reentrant tachycardia in patients with discontinuous anterograde atrioventricular nodal conduction curves with and without documented supraventricular tachycardia: observations on the role of a discontinuous retrograde conduction curve. Brugada P, et al. **Am Heart J** 1984 Apr;107(4):685–97

Observations in patients with supraventricular tachycardia having a P–R interval shorter than the R–P interval: differentiation between atrial tachycardia and reciprocating atrioventricular tachycardia using an accessory pathway with long conduction times. Brugada P, et al. **Am Heart J** 1984 Mar;107(3):556–70

Antegrade conduction and AV node function in patients with unidirectional retrograde accessory pathways. Henglein D, et al. **Am Heart J** 1984 Mar;107(3):411–7

Mechanisms of ventricular arrhythmias in multivessel coronary disease: the effects of collateral zone ischemia. Kabell G, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):447–54

Pacing termination of ventricular tachycardia: influence of antiarrhythmic–slowed ectopic rate. Keren G, et al. **Am Heart J** 1984 Apr;107(4):638–43

Programmed ventricular stimulation in patients without spontaneous ventricular tachycardia. Morady F, et al. **Am Heart J** 1984 May;107(5 Pt 1):875–82

Fragmented endocardial electrical activity in patients with ventricular tachycardia: a new guide to surgical therapy. Wiener I, et al. **Am Heart J** 1984 Jan;107(1):86–90

Determinants of tachycardia induction using ventricular stimulation in dual pathway atrioventricular nodal reentrant tachycardia. Wu D, et al. **Am Heart J** 1984 Jul; 108(1):44–55

Entrainment of ventricular tachycardia. Anderson KP, et al. **Am J Cardiol** 1984 Jan 15;53(2):335–40

Significance of an apparent short return cycle in the mechanism of supraventricular tachycardia. Barrett PA, et al. **Am J Cardiol** 1984 Jan 15;53(2):361–3

Differentiation of septal from free wall accessory pathway location: observations during bundle branch block in reciprocating tachycardia in the presence of type I antiarrhythmic drugs. Broughton A, et al. **Am J Cardiol** 1983 Oct 1;52(7):751–4

Prognostic factors in nonsustained ventricular tachycardia. Buxton AE, et al. **Am J Cardiol** 1984 May 1;53(9):1275–9

Noninvasive evaluation of pacemaker circus movement tachycardias. den Dulk K, et al. **Am J Cardiol** 1984 Feb 1;53(4):537–43

Discordant results of programmed ventricular stimulation at different right ventricular sites in patients with and without spontaneous sustained ventricular tachycardia: a prospective study of 56 patients. Doherty JU, et al. **Am J Cardiol** 1984 Aug 1;54(3):336–42

Programmed ventricular stimulation at a second right ventricular site: an analysis of 100 patients, with special reference to sensitivity, specificity and characteristics of patients with induced ventricular tachycardia. Doherty JU, et al. **Am J Cardiol** 1983 Dec 1;52(10):1184–9

Utilization of an accessory pathway as the anterograde limb during the permanent form of junctional reciprocating tachycardia. Guarnieri T, et al. **Am J Cardiol** 1984 Jan 15;53(2):365–8

The pacing stress test: a reexamination of the relation between coronary artery disease and pacing–induced electrocardiographic changes. Heller GV, et al. **Am J Cardiol** 1984 Jul 1;54(1):50–5

Mechanism of tachycardia–dependent bundle branch block. Kinoshita S. **Am J Cardiol** 1984 May 15;53(10):1456–7

Orthostatic atrial tachycardia: autonomic influence on atrial pacemakers. Lerman BB, et al. **Am J Cardiol** 1984 May 1;53(9):1406–8

Torsades de pointes versus polymorphous ventricular tachycardia [letter] Nikolic G. **Am J Cardiol** 1984 Jul 1; 54(1):245

Entrainment of atrioventricular nodal reentrant tachycardias during overdrive pacing from high right atrium and coronary sinus. With special reference to atrioventricular dissociation and 2:1 retrograde block during tachycardias. Portillo B, et al. **Am J Cardiol** 1984 Jun 1;53(11):1570–6

Long–term reproducibility of responses to programmed cardiac stimulation in spontaneous ventricular tachyarrhythmias. Schoenfeld MH, et al. **Am J Cardiol** 1984 Sep 1;54(6):564–8

Prognostic assessment of survivors of ventricular tachycardia and ventricular fibrillation with ambulatory monitoring. Vlay SC, et al. **Am J Cardiol** 1984 Jul 1;54(1):87–90

Reproducibility and treatment of exercise–induced ventricular tachycardia. Woelfel A, et al. **Am J Cardiol** 1984 Mar 1;53(6):751–6

Circus–movement tachycardia in frog atrium monitored by voltage–sensitive dyes. Sawanobori T, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H185–94

Diagnostic endocardial electrical recording and stimulation. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1984 Mar;100(3):452–4

Utility of electrophysiologic studies in the management of tachycardia, sudden death, and syncope. Bardy GH, et al. **Ann NY Acad Sci** 1984;427:16–39 (100 ref.)

New approaches in the electrophysiological determination of optimal treatment of recurrent tachyarrhythmias. Fontaine G, et al. **Ann NY Acad Sci** 1984;427:67–83 (48 ref.)

Torsade de pointes: definitions, causative factors, and therapy: experience with sixteen patients. Stern S, et al. **Ann NY Acad Sci** 1984;427:234–40

Non–invasive detection of beat to beat variation in stroke volume during ventricular tachycardia. A case report. Martinez EE, et al. **Arq Bras Cardiol** 1983 Aug;41(2):131–5

Ventricular tachycardia of left bundle branch block configuration in patients with isolated right ventricular dilatation. Clinical and electrophysiological features. Rowland E, et al. **Br Heart J** 1984 Jan;51(1):15–24

Parasystole, reentry, and tachycardia: a canine preparation of cardiac arrhythmias occurring across inexcitable segments of tissue. Antzelevitch C, et al. **Circulation** 1983 Nov;68(5):1101–15

Identification of patients with ventricular tachycardia after myocardial infarction: signal–averaged electrocardiogram, Holter monitoring, and cardiac catheterization. Kanovsky MS, et al. **Circulation** 1984 Aug;70(2):264–70

Incomplete filling and incoordinate contraction as mechanisms of hypotension during ventricular tachycardia in man. Lima JA, et al. **Circulation** 1983 Nov;68(5):928–38

Electrophysiologic substrate for ventricular tachycardia: correlation of properties in vivo and in vitro. Richards DA, et al. **Circulation** 1984 Feb;69(2):369–81

Ectopic left atrial rhythm that produces QRS changes in absence of Wolff–Parkinson–White syndrome. Zaman L, et al. **Circulation** 1983 Oct;68(4):701–6

Q–T prolongation and torsades de pointes in a patient with subarachnoid hemorrhage. Hust MH, et al. **Clin Cardiol** 1984 Jan;7(1):44–8

Nonparoxysmal atrioventricular junctional rhythm. A clinical and electrophysiologic study. Santinelli V, et al. **Eur Heart J** 1984 Apr;5(4):304–7

Multiple concealed atrioventricular nodal captures during idionodal tachycardia. Milner S, et al. **Heart Lung** 1984 Jan;13(1):93–4

Fetal tachycardia without fetal distress. Agarwala BN. **Hosp Pract [Off]** 1984 Apr;19(4):88R, 88V

Effect of digoxin on atrial tachycardia [letter] Mittal SR, et al. **Indian J Med Sci** 1984 Jan;38(1):17–8

QRS normalization by ventricular fusion simulating tachycardia dependent left bundle branch block. Oreto G, et al. **Int J Cardiol** 1984 Jan;5(1):91–3

Heart rate acceleration without changes in the QT interval and severe ventricular tachyarrhythmias: a variant of the long QT syndrome? Santinelli V, et al. **Int J Cardiol** 1983 Aug;4(1):69–71

Clinical application of rapid ventricular burst pacing versus extrastimulation for induction of ventricular tachycardia [editorial] Akhtar M. **J Am Coll Cardiol** 1984 Aug; 4(2):305–7

Catheter–induced His bundle ablation in a patient with reentrant tachycardia associated with a nodoventricular tract. Bhandari A, et al. **J Am Coll Cardiol** 1984 Sep; 4(3):611–6

Entrainment as an electrophysiologic phenomenon. Brugada P, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):451–4

Anatomic and electrophysiologic substrate of the permanent form of junctional reciprocating tachycardia. Critelli G, et al. **J Am Coll Cardiol** 1984 Sep;4(3):601–10

Electrophysiologic testing in the upright position: improved evaluation of patients with rhythm disturbances using a tilt table. Hammill SC, et al. **J Am Coll Cardiol** 1984 Jul; 4(1):65–71

Multiple circus movement tachycardias with multiple accessory pathways. Heddle WF, et al. **J Am Coll Cardiol** 1984 Jul;4(1):168–75

Functional characteristics of retrograde conduction in a pacing model of 'endless loop tachycardia'. Mahmud R, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1488–99

Holter–monitored sudden death [letter] Nikolic G. **J Am Coll Cardiol** 1984 May;3(5):1352–3

Comparison of programmed electrical stimulation and ambulatory electrocardiographic (Holter) monitoring in the management of ventricular tachycardia and ventricular fibrillation. Platia EV, et al. **J Am Coll Cardiol** 1984 Sep; 4(3):493–500

Studies on left ventricular function during sustained ventricular tachycardia. Saksena S, et al. **J Am Coll Cardiol** 1984 Sep;4(3):501–8

Reentrant ventricular arrhythmias in the late myocardial infarction period. II. Burst pacing versus multiple premature stimulation in the induction of reentry. El–Sherif N, et al. **J Am Coll Cardiol** 1984 Aug;4(2):295–304

Demonstration of the mechanism of transient entrainment and interruption of ventricular tachycardia with rapid atrial pacing. Waldo AL, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):422–30

Electrophysiology of O–demethyl encainide in a canine model of sustained ventricular tachycardia. Roden DM, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):588–95

Localized reentry. Mechanism of induced sustained ventricular tachycardia in canine model of recent myocardial infarction. Garan H, et al. **J Clin Invest** 1984 Aug;74(2):377–92

Electrocardiographic effects of myocardial ischemia induced by atrial pacing in dogs with coronary stenosis. II. Comparison of S–T segment and QRS changes in dogs with left circumflex arterial narrowing. Mirvis DM. **J Electrocardiol** 1984 Jan;17(1):33–42

Multifocal atrial tachycardia commonly accompany chronic obstructive pulmonary disease. Campbell WB. **J Tenn Med Assoc** 1983 Oct;76(10):666–7

Bidirectional AV nodal tachycardia [letter] Belhassen B, et al. **PACE** 1984 May;7(3 Pt 1):444

Simultaneous AV nodal reentrant and ventricular tachycardias. Belhassen B, et al. **PACE** 1984 May;7(3 Pt 1):325–31

Retrograde gap in fast pathway conduction accentuated by the class I antiarrhythmic agent, flecainide. Bexton RS, et al. **PACE** 1983 Nov;6(6):1273–7

Identical QRS complexes during atrial fibrillation with aberrant conduction and ventricular tachycardia. The value of a His bundle recording. Brugada P, et al. **PACE** 1983 Sep;6(5 Pt 2):1057–61

Risks of delayed potentials in pacemaker patients prone to ventricular tachycardia. Fontaine G, et al. **PACE** 1978 Oct; 1(4):465–71

Evidence that AV nodal re–entrant tachycardia does not require participation of the entire AV node. Hariman RJ, et al. **PACE** 1983 Nov;6(6):1252–7

Selection of patients with recurrence of ventricular tachyarrhythmias for electrical studies. Horowitz LN, et al. **PACE** 1984 May;7(3 Pt 2):499–504

Resetting of tachycardia cycle by single and double ventricular extrastimuli in recurrent sustained ventricular tachycardia. Inoue H, et al. **PACE** 1984 Jan;7(1):3–9

Multiple anterograde and retrograde AV nodal pathways: demonstration by multiple discontinuities in the AV nodal conduction curves and echo time intervals. Kuck KH, et al. **PACE** 1984 Jul;7(4):656–62

Pseudo–endless loop tachycardia [letter] Levine PA. **PACE** 1984 Jul;7(4):767

Pathophysiology of ventricular tachyarrhythmias amenable to electric control. Reid PR, et al. **PACE** 1984 May;7(3 Pt 2):505–11

Two–dimensional echocardiographic studies during sustained ventricular tachycardia. Rosenbloom M, et al. **PACE** 1984 Jan;7(1):136–42

Incessant supraventricular tachycardia. Sung RJ. **PACE** 1983 Nov;6(6):1306–26 (68 ref.)

Rapid ventricular tachycardia due to His–Purkinje reentry. Walter PF, et al. **PACE** 1984 Jul;7(4):728–34

Irregular pacemaker tachycardia in a patient with WPW syndrome and an A–V universal pacemaker. Wehr M, et al. **PACE** 1984 May;7(3 Pt 1):320–4

A new type of ventriculo–atrial gap phenomenon in man. Weiss J, et al. **PACE** 1984 Jan;7(1):46–50

A–V nodal re–entry. Wu D. **PACE** 1983 Sep;6(5 Pt 2):1190–200

Participation of nodoventricular bypass tract in tachycardia. Liu PH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan; 83(1):73–85

[An analysis of ventricular tachycardia in 24–hour dynamic electrocardiography] Li Y. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):42–3 **(Chi)**

[Divergent time courses of ventricular vulnerability of the heart to ventricular tachycardias and ventricular fibrillation in the early necrosis stage of acute experimental myocardial

infarct] Gülker H, et al. **Z Kardiol** 1983 Dec;72(12):711–7 (Eng. Abstr.) **(Ger)**

[Electrophysiologic determination of 3 intranodal pathways using various time intervals] Kuck KH, et al. **Z Kardiol** 1983 Oct;72(10):599–603 (Eng. Abstr.) **(Ger)**

[Hemodynamic significance of the coordination of atrial and ventricular systole in tachycardia] Mitrovic V, et al. **Z Kardiol** 1984 Jan;73(1):34–40 (Eng. Abstr.) **(Ger)**

[Case of torsades de pointes] Mitsui T, et al. **Kokyu To Junkan** 1983 Sep;31(9):1019–24 (Eng. Abstr.) **(Jpn)**

[Supraventricular tachycardia caused by dual conduction paths in the atrioventricular junction] Sulimov VA, et al. **Kardiologiia** 1984 May;24(5):17–25 (Eng. Abstr.) **(Rus)**

[Paroxysmal supraventricular tachycardia caused by occult ventriculoatrial junctions] Bredikis IuIu, et al. **Ter Arkh** 1983;55(11):41–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prophylactic effect of alprenolol on ventricular tachyarrhythmias during the in-patient phase of acute myocardial infarction. Pedersen F, et al. **Acta Med Scand [Suppl]** 1984;680:34–9

Tachycardia prevention by programmed stimulation. Kuck KH, et al. **Am J Cardiol** 1984 Sep 1;54(6):550–4

Effects of oral amiodarone on left ventricular function in dogs: clinical implications for patients with life-threatening ventricular tachycardia. Landymore R, et al. **Ann Thorac Surg** 1984 Feb;37(2):141–6

Anti-arrhythmic effects of prazosin and propranolol during coronary artery occlusion and re-perfusion in dogs and pigs. Benfey BG, et al. **Br J Pharmacol** 1984 Jul; 82(3):717–25

Effects of atrial pacing, isoprenaline and lignocaine on experimental polymorphous ventricular tachycardia. Inoue H, et al. **Cardiovasc Res** 1984 Sep;18(9):538–47

Action of sotalol on potential reentrant pathways and ventricular tachyarrhythmias in conscious dogs in the late postmyocardial infarction phase. Cobbe SM, et al. **Circulation** 1983 Oct;68(4):865–71

Efficacy and safety of timolol for prevention of supraventricular tachyarrhythmias after coronary artery bypass surgery. White HD, et al. **Circulation** 1984 Sep; 70(3):479–84

Effects of aerosolized lidocaine on circulatory responses to laryngoscopy and tracheal intubation. Venus B, et al. **Crit Care Med** 1984 Apr;12(4):391–4

Relationship between infarct size and incidence of severe ventricular arrhythmias in a double-blind trial with metoprolol in acute myocardial infarction. Herlitz J, et al. **Int J Cardiol** 1984 Jul;6(1):47–60

Development of ventricular tachyarrhythmias in the conscious canine during the recovery phase of experimental ischemic injury: effect of bethanidine administration. Patterson E, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):470–5

Tachycardia–termination algorithm: a valuable feature for interruption of pacemaker-mediated tachycardia. van Gelder LM, et al. **PACE** 1984 Mar;7(2):283–7

[Effectiveness of pharmacological prevention after the first attack of ventricular tachycardia] Citone C, et al. **Boll Soc Ital Cardiol** 1982;27(4):399–400 **(Ita)**

SURGERY

Incessant ectopic atrial tachycardia: successful surgical treatment with regression of dilated cardiomyopathy picture. Bertil Olsson S, et al. **Am J Cardiol** 1984 May 15;53(10):1465–6

Cardiac morphologic findings late after partial left ventricular endomyocardial resection for recurrent ventricular tachycardia. Silver MA, et al. **Am J Cardiol** 1984 Jul 1; 54(1):233–5

The Wolff–Parkinson–white syndrome and the beginnings of direct arrhythmia surgery. Sealy WC. **Ann Thorac Surg** 1984 Aug;38(2):176–80

Encircling endocardial resection for sustained drug-resistant ventricular tachycardia. Landymore RW, et al. **Can J Surg** 1984 Jan;27(1):24–6

The nonpharmacologic management of the permanent form of junctional reciprocating tachycardia. Guarnieri T, et al. **Circulation** 1984 Feb;69(2):269–77

Surgical management of ventricular tachyarrhythmias. Anderson KP, et al. **Clin Cardiol** 1983 Sep;6(9):415–25 (74 ref.)

An interactive computer system for guiding the surgical treatment of life-threatening ventricular tachycardias. de Bakker JM, et al. **IEEE Trans Biomed Eng** 1984 Apr; 31(4):362–8

Subendocardial resection for refractory ventricular tachycardia: effects on ambulatory electrocardiogram, programmed stimulation and ejection fraction, and relation to outcome. Kienzle MG, et al. **J Am Coll Cardiol** 1983 Nov;2(5):853–8

Value of early postoperative epicardial programmed ventricular stimulation studies after surgery for ventricular tachyarrhythmias. Pagé PL, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1046–52

Results of electrophysiologically guided operations for drug-resistant recurrent ventricular tachycardia and ventricular fibrillation due to coronary artery disease. Brodman R, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):431–8

Incessant focal atrial tachycardia: a surgically remediable cause of cardiomyopathy. Giorgi LV, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):466–9

Alteration of antegrade atrioventricular conduction by cryoablation of peri-atrioventricular nodal tissue. Implications for the surgical treatment of atrioventricular nodal reentry tachycardia. Holman WL, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):67–75

Successful surgical ablation of reentrant ventricular tachycardia caused by myocardial fibroma. Iwa T, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):469–73

Surgical treatment of ventricular tachycardias. Complete versus partial encircling endocardial ventriculotomy. Ostermeyer J, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):517–25

Interventional electrophysiology [editorial] Scheinman MM. **Mayo Clin Proc** 1983 Dec;58(12):832–3

Surgical treatment of ventricular tachycardia in infants. Garson A Jr, et al. **N Engl J Med** 1984 May 31; 310(22):1443–5

Coronary artery bypass surgery in a patient with symptomatic ventricular arrhythmia. A case presentation and review of the literature. Przybojewski JZ. **S Afr Med J** 1984 Apr 7;65(14):573–8 (39 ref.)

Surgical therapy for ventricular tachyarrhythmias. Wetstein L, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):487–96 (104 ref.)

[Resection of the endocardium as a treatment method in recurring sustained ventricular tachycardia in patients with ischemic heart disease] Penn OC, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):851–4 (Eng. Abstr.) **(Dut)**

[Treatment by endocavitary fulguration of recurrent ventricular tachycardia caused by right ventricular dysplasia] Puech P, et al. **Arch Mal Coeur** 1984 Jul; 77(7):826–34 (Eng. Abstr.) **(Fre)**

[Surgical possibilities in the treatment of ventricular tachycardia] Klein H, et al. **Herz** 1984 Apr;9(2):90–101 (Eng. Abstr.) **(Ger)**

[Clinical and electrophysiologic findings following operative therapy of ventricular tachycardias] Breithardt G, et al. **Z Kardiol** 1984 Apr;73(4):206–13 (Eng. Abstr.) **(Ger)**

[Endocardial excision without intraoperative endocardial mapping for intractable pleomorphic ventricular tachycardia] Belhassen B, et al. **Harefuah** 1983 Nov 1; 105(9):259–61 (Eng. Abstr.) **(Heb)**

[Closed–chest interruption of abnormal bundles of His. Its use in a case of 'incessant' tachycardia guided by an experimental model] Critelli G, et al. **G Ital Cardiol** 1984 Mar;14(3):181–7 (Eng. Abstr.) **(Ita)**

[Surgical treatment of cardiac arrhythmias. Analysis of the technics used on 40 patients] Marcial MB, et al. **Arq Bras Cardiol** 1983 Mar;40(3):183–9 (Eng. Abstr.) **(Por)**

[Surgical treatment of recurrent ventricular tachycardia. Late clinical, electrophysiological and angiographic evaluation] Sosa E, et al. **Arq Bras Cardiol** 1983 Oct;41(4):241–6 (Eng. Abstr.) **(Por)**

[Initial clinical experience in the surgical correction of resistant forms of tachyarrhythmias due to the pre–excitation syndrome in Ebstein's anomaly] Bokeriia LA, et al. **Grudn Khir** 1984 Mar–Apr;(2):5–10 (Eng. Abstr.) **(Rus)**

[Cryodestruction of the atrioventricular bundle (bundle of His)] Bredikis IuB, et al. **Khirurgiia (Mosk)** 1983 Dec; (12):14–9 (Eng. Abstr.) **(Rus)**

THERAPY

Refractory ventricular tachycardia complicating recovery from acute myocardial infarction: treatment with map-guided infarctectomy. Garan H, et al. **Am Heart J** 1984 Mar;107(3):571–7

Therapy of ventricular tachycardia. Castle L. **Am J Cardiol** 1984 Jul 30;54(2):26A–33A

Supraventricular tachycardia in infancy [editorial] Gaum WE, et al. **Am J Cardiol** 1984 Sep 1;54(6):664–5

Rate acceleration of ventricular tachycardia after a precordial chest thump. Krijne R. **Am J Cardiol** 1984 Mar 15; 53(7):964–5

A temporary external DDD pacing unit. Littleford PO, et al. **Am J Cardiol** 1984 Apr 1;53(8):1041–3

Ice–water washcloth rather than facial immersion (diving reflex) for supraventricular tachycardia in infants [letter] Sacks LM, et al. **Am J Cardiol** 1984 Mar 15;53(7):988

Pacing threshold changes after transvenous catheter countershock. Yee R, et al. **Am J Cardiol** 1984 Feb 1; 53(4):503–7

Cardiac arrhythmias and hypnotic intervention: advantages, disadvantages, precautions, and theoretical considerations. Wain HJ, et al. **Am J Clin Hypn** 1983 Jul;26(1):1–4

Permanent pacemaker implantation in a five-day-old neonate with complete heart block and ventricular tachycardia: a case report. Johnson JL, et al. **Angiology** 1983 Dec; 34(12):779–83

Amiodarone-induced refractoriness to cardioversion. Fogoros RN. **Ann Intern Med** 1984 May;100(5):699–700

Overdrive pacing for ventricular tachyarrhythmias: a reassessment. Kowey PR, et al. **Ann Intern Med** 1983 Nov; 99(5):651–6

Treatment of ventricular arrhythmias—suppression, survival, and the problem of bias. McGovern B, et al. **Ann Intern Med** 1984 Jul;101(1):123–5

Transvenous high energy shock for ablating atrioventricular conduction in man. Observations on the histological effects. Ward DE, et al. **Br Heart J** 1984 Feb;51(2):175–8

Supraventricular tachycardias [editorial] Ward DE. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):344–5

Use of dual–demand AV sequential (DVI,MN) pacemakers in the management of supraventricular tachycardias. Medina–Ravell V, et al. **Cardiovasc Clin** 1983;14(2):227–38 (24 ref.)

Pacemaker management of cardiac arrhythmias. Wellens HJ, et al. **Cardiovasc Clin** 1983;14(2):165–75

Measurement of cardioversion/defibrillation thresholds in man by a truncated exponential waveform and an apical patch–superior vena caval spring electrode configuration. Winkle RA, et al. **Circulation** 1984 Apr;69(4):766–71

Electrophysiologic determinants and clinical experience in termination of sustained ventricular tachycardia. Adams KV, et al. **Cleve Clin Q** 1984 Spring;51(1):47–53

Emergency transvenous ablation of atrioventricular conduction to control refractory atrial tachycardia. Ward DE, et al. **Eur Heart J** 1984 Feb;5(2):126–9

Use of the automatic implantable cardioverter–defibrillator in the treatment of malignant ventricular tachyarrhythmias. Mirowski M, et al. **Herz** 1984 Apr;9(2):83–9

Treatment of ventricular tachycardia using an automatic scanning extrastimulus pacemaker. Reddy CP, et al. **J Am Coll Cardiol** 1984 Jan;3(1):225–30

Tachycardia short–circuited with intracardiac shock [news] Maurice J. **JAMA** 1983 Oct 14;250(14):1811, 1814

First three patients for new type of implantable cardioverter [news] Maurice J. **JAMA** 1983 Oct 14;250(14):1809–11

Pioneer implant defibrillator continues in clinical use [news] Maurice J. **JAMA** 1983 Oct 14;250(14):1810–1

A microcomputer–based system to evaluate cardiac pacing for the treatment of tachycardias. Cochrane T, et al. **Med Biol Eng Comput** 1984 Jan;22(1):19–23

Ventricular pacing as a bedside method in the treatment of ventricular tachycardia. Cotoi S. **Med Interne** 1984 Jan–Mar;22(1):35–9

Early experience with an implantable cardioverter. Zipes DP, et al. **N Engl J Med** 1984 Aug 23;311(8):485–90

Proceedings of the workshop on electrical control of tachyarrhythmias by implantable devices. Bethesda, Maryland, U.S.A., September 1–2, 1983. National Institutes of Health. **PACE** 1984 May;7(3 Pt 2):481–616

Effect of atrial tachyarrhythmias and atrial pacing on supraventricular tissues. Bigger JT Jr. **PACE** 1984 May;7(3 Pt 2):483–8

Management of pacemaker circus movement tachycardias. den Dulk K, et al. **PACE** 1984 May;7(3 Pt 1):346–55

Clinical experience with implantable devices for control of tachyarrhythmias. Den Dulk K, et al. **PACE** 1984 May;7(3 Pt 2):548–56

Potential hazards of implanted devices for the electrical control of tachyarrhythmias. Echt DS. **PACE** 1984 May; 7(3 Pt 2):580–7

Nonsurgical electrical ablation of tachycardias: importance of prior in vitro testing of catheter leads. Fisher JD, et al. **PACE** 1984 Jan;7(1):74–81

DDD/DDT pacemakers in the treatment of ventricular tachycardia. Fisher JD, et al. **PACE** 1984 Mar;7(2):173–8

Comparative effectiveness of pacing techniques for termination of well–tolerated sustained ventricular tachycardia. Fisher JD, et al. **PACE** 1983 Sep;6(5 Pt 1):915–22

Mechanisms for the success and failure of pacing for termination of ventricular tachycardia: clinical and hypothetical considerations. Fisher JD, et al. **PACE** 1983 Sep;6(5 Pt 2):1094–105

A registry for implantable antitachycardia devices. Furman S. **PACE** 1984 May;7(3 Pt 2):602–5

Implantation techniques of antitachycardia devices. Furman S, et al. **PACE** 1984 May;7(3 Pt 2):572–9

Electrical termination of tachyarrhythmias by discrete pulses. German LD, et al. **PACE** 1984 May;7(3 Pt 2):514–21

Panel II: The role of devices for the control of tachyarrhythmias. Hauser RG, et al. **PACE** 1984 May;7(3 Pt 2):611–6

Panel I: Present state of industrial development of devices. Jenkins J, et al. **PACE** 1984 May;7(3 Pt 2):557–68

Transtelephonic monitoring of a tachycardia–terminating pacemaker. Lyons C, et al. **PACE** 1984 Jan;7(1):34–6

The automatic implantable cardioverter–defibrillator. Mirowski M, et al. **PACE** 1984 May;7(3 Pt 2):534–40

Chairman's report—session IV: Safety of clinical procedures and devices. Myerburg RJ. **PACE** 1984 May;7(3 Pt 2):601

Session III: Current status of electrical control of tachyarrhythmias. Wenger NK. **PACE** 1984 May;7(3 Pt 2):569–71

Future directions: electrical therapy for cardiac tachyarrhythmias. Zipes DP, et al. **PACE** 1984 May;7(3 Pt 2):606–10

Synchronous intracardiac cardioversion. Zipes DP, et al. **PACE** 1984 May;7(3 Pt 2):522–33

Rapid ventricular pacing to control resistant neonatal atrioventricular re-entrant tachycardias. Ward DE, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):45–8

Acute myocardial infarction. Decision making in the first critical hours. Chapman DW. **Postgrad Med** 1983 Oct; 74(4):329–34

[The treatment of ventricular tachycardia following heart

infarct] Wellens HJ, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):869–70 **(Dut)**

[Exceptional treatment of resistant tachycardia] Bertholet M. **Rev Med Liege** 1983 Nov 1;38(21):791–9 **(Fre)**

[Post-infarct ventricular tachycardia. Electrophysiological aspects, endocardial and epicardial electromapping and surgical therapy] Chimienti M, et al. **G Ital Cardiol** 1983 Sep;13(9):139–52 (Eng. Abstr.) **(Ita)**

[Antiarrhythmic pacemaker in supraventricular and ventricular hyperkinetic arrhythmias] Critelli G. **G Ital Cardiol** 1983;13(6):504–11 **(Ita)**

[How and why treat supraventricular tachycardias] Kulbertus H. **G Ital Cardiol** 1984 Apr;14(4):269–72 (Eng. Abstr.) **(Ita)**

[Anti-arrhythmic effect of permanent atrial pacing in the brady-tachy syndrome] Pistolese M, et al. **G Ital Cardiol** 1983;13(5):403–7 **(Ita)**

[Indication for pacemaker implantation in tachycardia] Misaki T, et al. **Kokyu To Junkan** 1983 Jul;31(7):745–50 **(Jpn)**

VETERINARY

Cardiac arrhythmias associated with multiple trauma in dogs. Macintire DK, et al. **J Am Vet Med Assoc** 1984 Mar 1; 184(5):541–5

Right bundle branch block in a dog with sinus tachycardia. Moise S. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1458–9

TACHYCARDIA, PAROXYSMAL

CHEMICALLY INDUCED

[Late dysrhythmic complication after administration of atropine] Polański L, et al. **Kardiol Pol** 1983;26(3):261–5 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Repetitive paroxysmal ventricular tachycardia and sudden death in a child. Rowland TW, et al. **Am J Cardiol** 1984 Jun 1;53(11):1729

Paroxysmal ventricular tachycardia associated with Bell's palsy in a teenager at late pregnancy. Menon KP, et al. **Angiology** 1984 Aug;35(8):534–6

[Fetal hydrops as a result of supraventricular tachycardia] Sobotka MA, et al. **Ned Tijdschr Geneeskd** 1983 Sep 10; 127(37):1671–3 (Eng. Abstr.) **(Dut)**

[Amiodarone in paroxysmal supra-ventricular tachycardias associated with sinus bradycardia] Conte MR, et al. **Arch Mal Coeur** 1983 Oct;76(10):1204–11 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Alarm-clock heart [editorial] Hardison JE. **Am J Med** 1984 Jan;76(1):2

Atrioventricular nodal reentrant paroxysmal supraventricular tachycardia. Littmann L, et al. **Arch Intern Med** 1984 Jan; 144(1):129–31

The spontaneous occurrence of paroxysmal supraventricular tachycardia. Pritchett EL, et al. **Circulation** 1984 Jul; 70(1):1–6

Very wide QRS complexes. Hancock EW. **Hosp Pract [Off]** 1984 Jul;19(7):73, 76

[Clinical aspect of paroxysmal disorders of heart rhythm] Apostolov G. **Vutr Boles** 1984;23(1):57–63 (Eng. Abstr.) **(Bul)**

[Paroxysmal supraventricular tachycardia in the delivery room] Junge WD, et al. **Zentralbl Gynakol** 1983; 105(15):1014–9 (Eng. Abstr.) **(Ger)**

[Apropos of a case of intra-uterine supraventricular tachycardia] Bosi G, et al. **G Ital Cardiol** 1984 Feb; 14(2):139–42 (Eng. Abstr.) **(Ita)**

[Supraventricular paroxysmal tachycardias. Electrophysiological studies] Mori A, et al. **Minerva Med** 1983 Dec 15;74(47–48):2829–33 (Eng. Abstr.) **(Ita)**

[ECG changes in the atrial complex heralding hyperexcitability-induced arrhythmia in patients with acute-phase myocardial infarction] Dubejko J, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1131–4 (Eng. Abstr.) **(Pol)**

[Persistent atrial tachycardia] Sapiński A. **Wiad Lek** 1983 Apr 15;36(8):665–9 (Eng. Abstr.) **(Pol)**

[Transesophageal electric heart stimulation in the diagnosis of paroxysmal supraventricular tachycardias] Smetnev AS, et al. **Kardiologiia** 1983 Nov;23(11):13–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Ethmozin. I. Effects of intravenous drug administration on paroxysmal supraventricular tachycardia in the ventricular preexcitation syndrome. Chazov EI, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):475–82

Acute management of paroxysmal supraventricular tachycardia: verapamil, adenosine triphosphate or adenosine? Belhassen B, et al. **Am J Cardiol** 1984 Jul 1; 54(1):225–7

Effects of intravenous and oral disopyramide on paroxysmal atrioventricular nodal tachycardia. Brugada P, et al. **Am J Cardiol** 1984 Jan 1;53(1):88–92

Life-table methods for evaluating antiarrhythmic drug efficacy in patients with paroxysmal atrial tachycardia. Pritchett EL, et al. **Am J Cardiol** 1983 Nov 1;52(8):1007–12

Serendipitous relief with disopyramide of phobia for flying [letter] Lewis DO. **Am J Psychiatry** 1983 Oct;140(10):1387

Management of paroxysmal tachycardia [editorial] Wilkinson JL. **Arch Dis Child** 1983 Dec;58(12):945–6

The QT interval: a predictor of the plasma and myocardial concentrations of amiodarone. Debbas NM, et al. **Br Heart J** 1984 Mar;51(3):316–20

Somatostatin in paroxysmal supraventricular and junctional tachycardia. Greco AV, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):28

Observations on the biphasic nature of digitalis electrophysiological actions in the human right atrium. Hayward RP, et al. **Cardiovasc Res** 1983 Sep;17(9):533–46

Adenosine: electrophysiologic effects and therapeutic use for terminating paroxysmal supraventricular tachycardia. DiMarco JP, et al. **Circulation** 1983 Dec;68(6):1254–63

Long-term verapamil infusion in paroxysmal supraventricular tachycardia. Weber RJ, et al. **Crit Care Med** 1984 May;12(5):465–6

Nadolol and supraventricular tachycardia: an electrophysiologic study. Chang MS, et al. **J Am Coll Cardiol** 1983 Nov;2(5):894–903

Effects of propafenone on induction and maintenance of atrioventricular nodal reentrant tachycardia. Garcia-Civera R, et al. **PACE** 1984 Jul;7(4):649–55

[Treatment of paroxysmal supraventricular tachycardia and tachyarrhythmia with verapamil] Penkov N, et al. **Vutr Boles** 1984;23(1):63–9 (Eng. Abstr.) **(Bul)**

[A sequential analysis of emergency treatment of paroxysmal supraventricular tachycardia with injection of Qing pi] Jiang YM. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Mar; 4(3):162–3 (Eng. Abstr.) **(Chi)**

[Amiodarone in paroxysmal supra-ventricular tachycardias associated with sinus bradycardia] Conte MR, et al. **Arch Mal Coeur** 1983 Oct;76(10):1204–11 (Eng. Abstr.) **(Fre)**

[Idiopathic ventricular tachycardia with right block and left axis sensitive to verapamil. An electrophysiologic electrocardiographic entity (letter)] Belhassen B, et al. **Presse Med** 1984 Apr 14;13(16):1005 **(Fre)**

[Pharmacotherapy of paroxysmal ventricular tachycardia (letter)] Diederich KW. **Dtsch Med Wochenschr** 1984 Apr 13;109(15):596 **(Ger)**

[Paroxysmal supraventricular tachycardia: mechanisms and treatment] Strasberg B, et al. **Harefuah** 1984 Mar 15; 106(6):272–4 **(Heb)**

[Clinical experience with propafenone in paroxysmal supraventricular reciprocating tachycardias] Furlanello F, et al. **G Ital Cardiol** 1984 May;14(5):379–80 (Eng. Abstr.) **(Ita)**

[Effects of verapamil on supraventricular tachycardia—electrophysiological study] Ishinaga T, et al. **Kokyu To Junkan** 1983 Dec;31(12):1347–54 (Eng. Abstr.) **(Jpn)**

[Effects of intravenous disopyramide on induction and termination of paroxysmal supraventricular tachycardia via an accessory pathway] Komatsu C, et al. **Kokyu To Junkan** 1984 Apr;32(4):409–14 (Eng. Abstr.) **(Jpn)**

[A new Soviet drug, ethacizine, in the treatment of ventricular rhythm disorders] Kukes VG, et al. **Kardiologiia** 1983 Nov;23(11):45–7 (Eng. Abstr.) **(Rus)**

[Method of evaluating antiarrhythmic therapy in patients with paroxysms of supraventricular tachycardia] Smetnev AS, et al. **Kardiologiia** 1984 May;24(5):25–31 (Eng. Abstr.) **(Rus)**

[Effect of phenibut and eglonyl on frequency of tachyarrhythmia paroxysms and central hemodynamics in patients with neurocirculatory dystonia] Skibitskii VV. **Vrach Delo** 1983 Aug;(8):22–5 (Eng. Abstr.) **(Rus)**

[Intravenous diltiazem in the treatment of supraventricular tachyarrhythmias] Almazán Ceballos A, et al. **Rev Esp Cardiol** 1983;36(3):229–32 (Eng. Abstr.) **(Spa)**

[Effect of verapamil on the induction and maintenance of paroxysmal supraventricular tachycardias] García Civera R, et al. **Rev Esp Cardiol** 1983;36(4):319–28 (Eng. Abstr.) **(Spa)**

[Electrophysiological evaluation of anti-arrhythmia therapy in patients with recurrent supraventricular and ventricular tachycardia] Fajuri A, et al. **Rev Med Chil** 1983 Nov; 111(11):1117–22 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Paroxysmal supraventricular tachycardia utilizing concealed bypass tract induced by ventricular pacemaker. Hariman RJ, et al. **Am J Cardiol** 1983 Nov 1;52(8):1149–51

Paroxysmal supraventricular tachycardia. A complication of jugular central venous catheters in neonates. Daniels SR, et al. **Am J Dis Child** 1984 May;138(5):474–5

Swallowing induced atrial tachycardia and fibrillation in a patient with a Wolf-Parkinson-White syndrome. Keidar S, et al. **Am J Med Sci** 1984 Jul-Aug;288(1):32–4

Mitral subannular left ventricular aneurysm. A case presenting with ventricular tachycardia. Fitchett DH, et al. **Br Heart J** 1983 Dec;50(6):594–6

Long-standing recurrent paroxysmal supraventricular tachycardia disappearing after cystic degeneration of an episodically hypersecreting toxic adenoma of the thyroid. Benvenga S, et al. **G Ital Cardiol** 1984 May;14(5):337–40

[Unusual mechanism of reciprocating tachycardia in a case of ventricular preexcitation resistant to preventive anti-arrhythmia therapy] Anastasio R, et al. **G Ital Cardiol** 1983 Aug;13(8):133–7 (Eng. Abstr.) **(Ita)**

[Case of type-A Wolff-Parkinson-White (WPW) syndrome with dual atrioventricular nodal pathways] Hayano M, et al. **Nippon Naika Gakkai Zasshi** 1983 Dec;72(12):1756–61 **(Jpn)**

[Attacks of paroxysmal tachycardia in children and the outside air temperature regime in Moscow] Ternova TI, et al. **Pediatriia** 1984 May;(5):30–2 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Paroxysmal AV tachycardia in triplets] von Knorre GH, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):111–2 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tachycardia caused by an accessory nodoventricular tract: a clinico-pathologic correlation. Gmeiner R, et al. **Eur Heart J** 1984 Mar;5(3):233–42

PHYSIOPATHOLOGY

Pharmacological observations in patients with nodoventricular pathways. Strasberg B, et al. **Br Heart J** 1984 Jan;51(1):84–90

Characteristics of atrio-His conduction in the short PR interval, normal QRS complex syndrome. Evidence for enhanced slow-pathway conduction. Ward DE, et al. **Eur Heart J** 1983 Dec;4(12):882–8

Fainting attacks and unusual T waves. Hancock EW. **Hosp Pract [Off]** 1984 Aug;19(8):61, 64

Paroxysmal supraventricular tachycardia with Wenckebach block: evidence for reentry within the upper portion of the atrioventricular node. DiMarco JP, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1551–5

Electrophysiologic study on atrioventricular nodal reetrant tachycardia with special reference to recent controversies. Suzuki F, et al. **Jpn J Med** 1983 Aug;22(3):206–18

Atrioventricular nodal reentrant tachycardia. Akhtar M. **Med Clin North Am** 1984 Jul;68(4):819–30 (25 ref.)

Contribution of the concept of dual pathways in the atrioventricular node to the understanding of supraventricular tachycardias and conduction abnormalities. Dreifus LS, et al. **PACE** 1983 Sep;6(5 Pt 2):1084–93

Sustained 'slow-fast' and 'fast-slow' AV nodal re-entrant tachycardia in a patient with recurrent supraventricular tachycardia. Kerr CR. **PACE** 1983 Sep;6(5 Pt 1):972–8

[A-V nodal dual pathways and paroxysmal supraventricular tachycardia] Shih YS. **Chung Hua Nei Ko Tsa Chih** 1983 Nov;22(11):667–71 (Eng. Abstr.) **(Chi)**

[Supraventricular paroxysmal tachycardias with normal electrocardiogram in sinus rhythm] Molina L, et al. **Arch Inst Cardiol Mex** 1984 Mar-Apr;54(2):187–97 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Differential effects of sotalol and metoprolol on induction of paroxysmal supraventricular tachycardia. Rizos I, et al. **Am J Cardiol** 1984 Apr 1;53(8):1022–7

Anaesthetic considerations in patients with paroxysmal supraventricular tachycardia. A review and report of cases. Jones RM, et al. **Anaesthesia** 1984 Apr;39(4):307–13

SURGERY

Refractory paroxysmal sinus tachycardia: management by subtotal right atrial exclusion. Yee R, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):400–4

The electrophysiologic effects of discrete cryosurgery for the treatment of supraventricular tachycardia due to AV nodal reentry. Ikeshita M, et al. **Jpn Circ J** 1984 Feb; 48(2):127–35

Catheter ablation of the atrioventricular conduction system in patients with supraventricular tachycardia. Wood DL, et al. **Mayo Clin Proc** 1983 Dec;58(12):791–6

[Simultaneous surgical correction of Ebstein's anomaly and associated disorders of cardiac rhythm] Bokeriia LA, et al. **Grudn Khir** 1983 Sep-Oct;(5):81–3 **(Rus)**

[Surgical treatment of different variants of tachycardia] Shumakov VI, et al. **Kardiologiia** 1983 Nov;23(11):9–13 (Eng. Abstr.) **(Rus)**

THERAPY

A versatile pacemaker system for termination of tachycardias. den Dulk K, et al. **Am J Cardiol** 1983 Oct 1;52(7):731–8

Pacing methods for the treatment of recurrent paroxysmal ventricular tachycardia. Bertholet M, et al. **Ann NY Acad Sci** 1984;427:286–96 (43 ref.)

The diving response in clinical medicine. Gooden BA. **Aviat Space Environ Med** 1982 Mar;53(3):273–6 (42 ref.)

Self-conversion of drug resistant ventricular tachycardia by rapid atrial pacing. Waxman MB, et al. **PACE** 1983 Sep; 6(5 Pt 1):900–7

[Paroxysmal tachycardia. First aid and long-term treatment] Kappenberger L. **Schweiz Rundsch Med Prax** 1984 Feb 21;73(8):229–31 (Eng. Abstr.) **(Ger)**

[Anti-arrhythmia stimulators in the treatment of paroxysmal tachycardia—principles of action and first clinical experiences] Haladyj M, et al. **Kardiol Pol** 1983;26(7):601–9 **(Pol)**

[A transvenous method of inducing complete atrioventricular

block during supraventricular tachycardia] Bredikis IuIu, et al. **Kardiologiia** 1983 Nov;23(11):114–8 **(Rus)**

[Clinical use of continuous atrioventricular electric stimulation of the heart] Drogaitsev AD, et al. **Klin Med (Mosk)** 1984 May;62(5):99–104 **(Rus)**

[Treatment of paroxysmal tachycardia of the newborn infant with submersion reflex] Lama A, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):104–6 (Eng. Abstr.) **(Spa)**

TACHYPHYLAXIS

Effect of beta adrenoreceptor blocking drugs on the responses of isolated rat mesenteric arteries. Risler NR, et al. **Acta Physiol Lat Am** 1983;33(2):171–80

Tachyphylaxis to PTH in the isolated perfused rat kidney: resistance of anticalciuria. Besarab A, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F240–5

Mechanism of epidural lidocaine reversal of tachyphylaxis to epidural morphine analgesia [letter] Coombs DW. **Anesthesiology** 1983 Nov;59(5):486–7

Assessment of tachyphylaxis following prolonged therapy of asthma with inhaled albuterol aerosol. Repsher LH, et al. **Chest** 1984 Jan;85(1):34–8

Development of histamine tachyphylaxis in the guinea-pig mesenteric artery. Satoh H, et al. **J Pharmacol Exp Ther** 1984 May;229(2):527–31

In vivo allergen tachyphylaxis in guinea pig lung is mediated by endogenous prostaglandin E biosynthesis. Dorsch W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):275–82

DRUG EFFECTS

Angiotensin tachyphylaxis in the isolated rabbit aorta. Oshiro ME, et al. **Blood Vessels** 1984;21(2):72–9

TACHYPLEUS see **HORSESHOE CRABS**

TACRINE see under **AMINOACRIDINES**

TAENIA

The separation of Taenia saginata oncospheres from fecal debris. Onyango-Abuje JA. **J Parasitol** 1984 Feb; 70(1):146–8

ANALYSIS

Isolation and partial characterization of a Taenia taeniaeformis metacestode proteinase inhibitor. Suquet C, et al. **Int J Parasitol** 1984 Apr;14(2):165–72

Chemical composition of lipid droplets isolated from larvae of Taenia taeniaeformis. Mills GL, et al. **J Parasitol** 1983 Oct;69(5):850–6

Lipid and protein composition of the surface tegument from larvae of Taenia taeniaeformis. Mills GL, et al. **J Parasitol** 1984 Apr;70(2):197–207

CLASSIFICATION

Immunodifferentiation between eggs of Taenia hydatigena and T. pisiformis. Craig PS. **Ann Trop Med Parasitol** 1983 Oct;77(5):537–8

DRUG EFFECTS

[Observations on the morphological and histochemical changes in Taenia saginata caused by pyquiton] Bao HE.

Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1983;1(3):172–5 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Presence of esterases and peptidases in the intact tegument of vesicles of Cysticercus cellulosae. Martínez-Zedillo G, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):367–77 **(Eng, Spa)**

Inhibition of antigen- and lectin-induced proliferation of rat spleen cells by a Taenia taeniaeformis proteinase inhibitor. Leid RW, et al. **Clin Exp Immunol** 1984 Jul;57(1):187–94

GROWTH & DEVELOPMENT

Morphology of Cysticercus bovis during its development. Schramlová J, et al. **Folia Parasitol (Praha)** 1983; 30(4):335–9

The case of the wormy brain. Seaman WB. **Hosp Pract [Off]** 1984 Mar;19(3):33, 37

IMMUNOLOGY

Taenia taeniaeformis: immunoprecipitation analysis of the protein antigens of oncospheres and larvae. Bowtell DD, et al. **Exp Parasitol** 1983 Dec;56(3):416–27

Taenia solium: cell reactions to the larva (Cysticercus cellulosae) in naturally parasitized, immunized hogs. Molinari JL, et al. **Exp Parasitol** 1983 Dec;56(3):327–38

The use of a water-in-oil adjuvanted vaccine in an attempt to immunize lambs against Taenia ovis cysts in the presence of maternal antibody. Heath DD, et al. **Int J Parasitol** 1984 Aug;14(4):363–70

Immunization against Taenia taeniaeformis in mice: studies on the characterization of antigens from oncospheres. Lightowlers MW, et al. **Int J Parasitol** 1984 Jun; 14(3):321–33

Vaccination of susceptible hosts with uninfective strains of the same parasite (Taenia taeniaeformis, Cestoda) provide protection against an infective strain. Conchedda M, et al. **J Parasitol** 1983 Dec;69(6):1166–7

Ultrastructural characterization of serum-induced changes in the tegument of Taenia taeniaeformis. Conder GA, et al. **J Parasitol** 1983 Oct;69(5):838–45

Third component of complement, immunoglobulin deposition, and leucocyte attachment related to surface sulfate on larval Taenia taeniaeformis. Letonja T, et al. **J Parasitol** 1983 Aug;69(4):637–44

Circulating antigens, antibodies and immune complexes in experimental Taenia pisiformis infections of rabbits. Craig PS. **Parasitology** 1984 Aug;89 (Pt 1):121–31

Comparison of cestode antigens in an enzyme-linked immunosorbent assay for the diagnosis of Echinococcus granulosus, Taenia hydatigena and T ovis infections in sheep. Yong WK, et al. **Res Vet Sci** 1984 Jan;36(1):24–31

The specificity of somatic and metabolic Taenia taeniaeformis preparations in murine metacestode infections. Brandt JR, et al. **Vet Parasitol** 1983 Sep;13(2):135–43

Killing of Taenia hydatigena oncospheres by sheep neutrophils. Beardsell PL, et al. **Z Parasitenkd** 1984; 70(3):337–44

[Cellular immune response to Taenia taeniaeformis infection in the intermediate host] Letonja T, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):81–5 (Eng. Abstr.) **(Spa)**

METABOLISM

Some aspects of histochemical studies on the parasite and tissue reaction in bovine cysticercosis. Schramlová J, et al. **Folia Parasitol (Praha)** 1984;31(1):37–44

PHYSIOLOGY

Observations on the hatching and activation of fresh Taenia saginata eggs. Stevenson P. **Ann Trop Med Parasitol** 1983 Aug;77(4):399–404

Taenia crassiceps: temperature, polycations, polyanions, and cysticercal endocytosis. Dunn J, et al. **Exp Parasitol** 1984 Aug;58(1):110–24

Lytic effects of normal serum on isolated postonchospheral and metacestode stages of Taenia taeniaeformis. Conder GA, et al. **J Parasitol** 1983 Jun;69(3):465–72

Hatching in vitro of oncospheres of Taenia solium. Salazar PM, et al. **J Parasitol** 1984 Feb;70(1):161–2

Hypothesis: human cysticercosis is an adaptational advantage of Taenia solium rather than an error of phylogenetic evolution. Lopez-Hernandez A. **Med Hypotheses** 1984 Mar;13(3):355–6

[Taenia saginata, a historical, ecological and epidemiological study] Engelbrecht H. **Angew Parasitol** 1984 Mar; 25(1):17–26 (Eng. Abstr.) **(Ger)**

[Test of the vitality and infectiousness of the beef tapeworm (Cysticercus bovis)] Engelbrecht H. **Angew Parasitol** 1983 Nov;24(4):200–5 (Eng. Abstr.) **(Ger)**

[Controversies on cerebral cysticercosis] Estañol B. **Gac Med Mex** 1983 Nov;119(11):461–6 **(Spa)**

ULTRASTRUCTURE

Scanning electron microscopy of the metacestode of Taenia crassiceps. Novak M, et al. **Int J Parasitol** 1983 Aug; 13(4):383–8

Freeze-etch characterization of the teguments of three metacestodes: Echinococcus granulosus, Taenia crassiceps, and Taenia taeniaeformis. Conder GA, et al. **J Parasitol** 1983 Jun;69(3):539–48

Taenia taeniaeformis (Cestoda) in the rat: ultrastructure of the host-parasite interface on days 8 to 22 postinfection. Engelkirk PG, et al. **J Parasitol** 1983 Oct;69(5):828–37

[Fine structure of the bladder tegument of Taenia saginata metacercaria with reference to establishment in the final host] Engelbrecht H. **Angew Parasitol** 1984 Mar;25(1):3–11 (Eng. Abstr.) **(Ger)**

[Cytomorphological characteristics of the tegument of daughter larvae in the cestode Taenia crassiceps] Krasnoshchekov GP, et al. **Tsitologiia** 1983 Dec; 25(12):1416–22 (Eng. Abstr.) **(Rus)**

TAENIA INFECTIONS see **TAENIASIS**

TAENIACIDES see **ANTICESTODAL AGENTS**

TAENIARHYNCHUS see **TAENIA**

TAENIASIS

see related
CYSTICERCOSIS

Human infestation by Taenia saginata lasting over 20 years. Wright EP, et al. **Postgrad Med J** 1984 Jul;60(705):495–6

COMPLICATIONS

[Obstructive jaundice caused by taeniasis. Report of 2 clinical cases] Russo A, et al. **Minerva Chir** 1984 Mar 31;39(6):423–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Identification of parasite eggs [letter] Pappolla MA. **Arch Pathol Lab Med** 1983 Nov;107(11):613

The specificity of somatic and metabolic Taenia taeniaeformis preparations in murine metacestode infections. Brandt JR, et al. **Vet Parasitol** 1983 Sep;13(2):135–43

[Device for specimen collection in the diagnosis of enterobiasis and taeniasis] Chetyrin VA, et al. **Voen Med Zh** 1984 May;(5):59 **(Rus)**

DRUG THERAPY

Nitazoxanide in the treatment of Taenia saginata and Hymenolepis nana infections. Rossignol JF, et al. **Am J Trop Med Hyg** 1984 May;33(3):511–2

[A preliminary observation on the effect of mebendazole in the treatment of 15 cases of taeniasis] Hou YS. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):105 **(Chi)**

[Treatment with praziquantel of human taeniasis caused by Taenia saginata or T. solium] Moreira AA, et al. **Rev Inst Med Trop Sao Paulo** 1983 Mar–Apr;25(2):79–81 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Vaccination of susceptible hosts with uninfective strains of the same parasite (Taenia taeniaeformis, Cestoda) provide protection against an infective strain. Conchedda M, et al. **J Parasitol** 1983 Dec;69(6):1166–7

Circulating antigens, antibodies and immune complexes in experimental Taenia pisiformis infections of rabbits. Craig PS. **Parasitology** 1984 Aug;89 (Pt 1):121–31

[Cellular immune response to Taenia taeniaeformis infection in the intermediate host] Letonja T, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):81–5 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Incidence of taeniasis in man. Ratnam S, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):70–4

A study of the incidence of porcine taeniasis and other intestinal parasites in a rural community of South Western Nigeria. Anong CI, et al. **Int J Zoonoses** 1983 Jun; 10(1):59–65

[A survey on intestinal taeniasis in 15 counties and districts in the northwest region of Yunnan Province] Zheng JG.

Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih 1983;1(3):143 **(Chi)**

[Recent parasitic infections in Japan] Kutsumi H. **Hokkaido Igaku Zasshi** 1984 Jan;59(1):13–6 **(Jpn)**

PARASITOLOGY

Taenia taeniaeformis (Cestoda) in the rat: ultrastructure of the host-parasite interface on days 8 to 22 postinfection. Engelkirk PG, et al. **J Parasitol** 1983 Oct;69(5):828–37

PATHOLOGY

The pathology induced in laboratory rats by metacestodes of Taenia crassiceps and Mesocestoides corti (Cestoda). Chernin J, et al. **Parasitology** 1983 Oct;87 (Pt 2):279–87

PREVENTION & CONTROL

Prevention of Taenia saginata and cysticercosis. Giesbrecht V. **Nurse Pract** 1983 Sep;8(8):56–8

Taeniasis and cysticercosis in Kenya—a review. Cheruiyot HK, et al. **Trop Anim Health Prod** 1984 Feb;16(1):29–33

THERAPY

Method for ejecting cestodes: duodenal tube injection of gastrografin. Oi H, et al. **AJR** 1984 Jul;143(1):111–3

TRANSMISSION

[Taenia saginata, a historical, ecological and epidemiological study] Engelbrecht H. **Angew Parasitol** 1984 Mar; 25(1):17–26 (Eng. Abstr.) **(Ger)**

VETERINARY

The use of a water-in-oil adjuvanted vaccine in an attempt to immunize lambs against Taenia ovis cysts in the presence of maternal antibody. Heath DD, et al. **Int J Parasitol** 1984 Aug;14(4):363–70

Comparison of cestode antigens in an enzyme-linked immunosorbent assay for the diagnosis of Echinococcus granulosus, Taenia hydatigena and T ovis infections in sheep. Yong WK, et al. **Res Vet Sci** 1984 Jan;36(1):24–31

Experimental chemotherapy of Taenia saginata cysticercosis – a field trial. Walther M, et al. **Tropenmed Parasitol** 1983 Dec;34(4):263–6

Intestinal cestodes of stray dogs in Jordan. Ajlouni AQ, et al. **Z Parasitenkd** 1984;70(2):203–10

Killing of Taenia hydatigena oncospheres by sheep neutrophils. Beardsell PL, et al. **Z Parasitenkd** 1984; 70(3):337–44

[Seasonal incidence of fascioliasis in cattle and taeniasis in swine] Derylo A, et al. **Wiad Parazytol** 1983;29(3):343–9 (Eng. Abstr.) **(Pol)**

TAENIORHYNCUS see under **MOSQUITOES**

TAI 284 see under **INDENES**

TAIL

Human tails and pseudotails. Dao AH, et al. **Hum Pathol** 1984 May;15(5):449–53

Tail lesions of contagious ecthyma associated with docking. Ames TR, et al. **J Am Vet Med Assoc** 1984 Jan 1; 184(1):88–90

ABNORMALITIES

Caudal fin abnormality and growth and survival of channel catfish. Bondari K. **Growth** 1983 Winter;47(4):361–70

Studies on 'Repeated Epilation' mouse mutant embryos: II. Development of limb, tail, and skin defects. Salzgeber B, et al. **J Craniofac Genet Dev Biol** 1984;4(2):95–114

[Hereditary tail defects in the dachshund] Fritsch R, et al. **Berl Munch Tierarztl Wochenschr** 1983 Dec 1;96(12):444–50 (Eng. Abstr.) **(Ger)**

[T/t complex of the mouse viewed in the light of genes, differentiation and evolution] Yanagisawa K. **Tanpakushitsu Kakusan Koso** 1984 Jan;29(1):1–13 (70 ref.) **(Jpn)**

BLOOD SUPPLY

Hemodynamics and interstitial fluid pressure in the rat tail. Aukland K, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H80–7

Morphometric study on vascularization in the tail musculature of the anuran tadpole by scanning electron microscopy: I. Prometamorphic stage. Horiguchi T, et al. **Anat Rec** 1984 Mar;208(3):329–35

Effects of uptake and surface of entry on the responses of the rat caudal artery to noradrenaline, adrenaline and methoxamine. Venning MG, et al. **Blood Vessels** 1984; 21(4):149–55

Release of 3,4-dihydroxyphenylglycol from the rat tail artery induced by veratridine. Palaty V. **Can J Physiol Pharmacol** 1984 Jan;62(1):151–2

Neural regulation of electrical and mechanical activities in the rat tail artery. Cheung DW. **Pflugers Arch** 1984 Mar; 400(3):335–7

[Blood vessel studies of the tail area of the domestic buffalo] Binev K, et al. **Vet Med Nauki** 1984;21(5):61–5 (Eng. Abstr.) **(Bul)**

[Microvascular network of the caudal part of the trunk and caudal fins in dolphins] Kuprianov VV. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):42–50 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Studies on corticoid action on the toad tadpole tail in vitro. Kikuyama S, et al. **Gen Comp Endocrinol** 1983 Dec; 52(3):395–9

EMBRYOLOGY

Somitogenesis in amphibia. IV. The dynamics of tail development. Elsdale T, et al. **J Embryol Exp Morphol** 1983 Aug;76:157–76

Researches on the formation of axial organs in the chick embryo. XI. Experimental investigations into the role of Hensen's node in somitogenesis. Fazakas-Todea I, et al. **Morphol Embryol (Bucur)** 1984 Jan–Mar;30(1):3–10

INNERVATION

Mechanoafferent neurons innervating tail of Aplysia. II. Modulation by sensitizing stimulation. Walters ET, et al. **J Neurophysiol** 1983 Dec;50(6):1543–59

Mechanoafferent neurons innervating tail of Aplysia. I. Response properties and synaptic connections. Walters ET, et al. **J Neurophysiol** 1983 Dec;50(6):1522–42

[Spinal nerves of the female shark (Mustelus manazo) innervating the abdominal pterygial region of the body trunk and their comparison with the nerves to the abdomen and tail] Tanaka S, et al. **Kaibogaku Zasshi** 1983 Jun; 58(3):129–42 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Comparison of truncal and caudal lesions in the vertebral column of the sand rat (Psammomys obesus). Silberberg R, et al. **Isr J Med Sci** 1983 Dec;19(12):1064–71

PHYSIOLOGY

Activation of central warm-sensitive neurons and the tail vasomotor response in rats during brain and scrotal thermal stimulation. Ishikawa Y, et al. **Pflugers Arch** 1984 Mar; 400(3):222–7

TAKAYASU SYNDROME see under **AORTIC ARCH SYNDROMES**

TALAMPICILLIN see under **AMPICILLIN**

TALC

[A simple testing installation for the production of aerosols with constant bacteria-contaminated concentrations] Herbst M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3–4):257–68 (Eng. Abstr.) **(Ger)**

[Production and characteristics of bacteria-labeled talc dust for experimental air hygiene studies] Ohgke H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):251–6 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Talcosis in AIDS victims? [letter] Brauner D, et al. **Am J Clin Pathol** 1984 Jan;81(1):145

Progressive massive fibrosis of the lung secondary to intravenous injection of talc. A pathologic and mineralogic analysis. Crouch E, et al. **Am J Clin Pathol** 1983 Oct; 80(4):520–6

Blue bodies in cytology specimens in a case of pulmonary talcosis. Kung IT, et al. **Am J Clin Pathol** 1984 May; 81(5):675–8

An experimental histopathologic study of surgical glove powders. Sheikh KM, et al. **Arch Surg** 1984 Feb; 119(2):215–9

Pulmonary granulomatous reaction: talc pneumoconiosis or chronic sarcoidosis? Tukiainen P, et al. **Br J Ind Med** 1984 Feb;41(1):84–7

Suppression of foreign body granuloma by recombinant interferon. Nethersell A, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1960–1

Scanning electron microscopy and X-ray microanalysis of foreign bodies associated with Silastic implants in humans. Tatum AH, et al. **Contraception** 1983 Dec;28(6):543–52

Changes in ventilatory capacities due to exposure to talc dust. Damodar, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar; 25:21–4

Pulmonary 'mainline' granulomatosis: talcosis secondary to intravenous heroin abuse with characteristic x-ray findings of asbestosis. Davis LL. **J Natl Med Assoc** 1983 Dec; 75(12):1225–8

Talc and adult respiratory distress syndrome [letter] Weissberg D. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):474–7

Talc and ovarian cancer [letter] Hartge P, et al. **JAMA** 1983 Oct 14;250(14):1844

Unexpected occupational exposure to asbestos. Barnes R, et al. **Med J Aust** 1984 Apr 14;140(8):488–90

Talc and mesothelioma. Ng TK. **Med J Aust** 1984 Apr 14; 140(8):452–3

ANALYSIS

Asbestos found in New York talc [letter] Dunn JR. **Am Ind Hyg Assoc J** 1984 Apr;45(4):B8–9

Identification of chlorite and serpentine in cosmetic or pharmaceutical talc. Blount AM, et al. **Environ Health Perspect** 1983 Sep;51:379–85

THERAPEUTIC USE

Treatment of malignant pleural effusion with drainage, with and without instillation of talc. Sørensen PG, et al. **Eur J Respir Dis** 1984 Feb;65(2):131–5

[Results and applicability of nonspecific dry therapy in varicose ulcer with special reference to the incidence of erysipelas] Lohfink HD. **Dermatol Monatsschr** 1984; 170(7):469–74 (Eng. Abstr.) **(Ger)**

TOXICITY

Effects of talc on the rat ovary. Hamilton TC, et al. **Br J Exp Pathol** 1984 Feb;65(1):101–6

[Experimental studies on talc retinopathy. (3) Choroidal vascular changes and retinal lesions] Noumi T, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1041–9 (Eng. Abstr.) **(Jpn)**

TALENT see **APTITUDE**

TALFAN DISEASE see **ENCEPHALOMYELITIS, ENZOOTIC PORCINE**

TALIPES see **CLUBFOOT**

TALUS

The early treatment of peritalar dislocation. Hörer DI, et al. **Int Orthop** 1984;7(4):263–6

Primary subacute osteomyelitis of the talus. Skevis XA. **J Bone Joint Surg [Br]** 1984 Jan;66(1):101–3

Os trigonum syndrome in a patient with multiple epiphyseal dysplasia. Molay M, et al. **J Foot Surg** 1982 Winter; 21(4):265–8

Talonavicular coalition following avascular necrosis of the tarsal navicular. Ertel AN, et al. **J Pediatr Orthop** 1984 Aug;4(4):482–4

ABNORMALITIES

Congenital vertical talus: classification with 69 cases and new measurement system. Hamanishi C. **J Pediatr Orthop** 1984 May;4(3):318–26

[Dome-shaped astragalus] Docquier J, et al. **Acta Orthop Belg** 1983;49(6):690–7 **(Fre)**

ANATOMY & HISTOLOGY

The tensile strength of the anterior talofibular ligament. St. Pierre RK, et al. **Foot Ankle** 1983 Sep–Oct;4(2):83–5

BLOOD SUPPLY

The arterial anatomy of the talus. Gelberman RH, et al. **Foot Ankle** 1983 Sep–Oct;4(2):64–72

[Vascularization of the astragalus] De Wulf A. **Acta Orthop Belg** 1983;49(6):639–51 **(Fre)**

EMBRYOLOGY

The role of cartilage canals in the ossification of the talus. Agrawal P, et al. **Acta Anat (Basel)** 1984;119(4):238–40

GROWTH & DEVELOPMENT

Growth and development of the tibia, fibula, and ankle joint. Beals RK, et al. **Clin Orthop** 1984 Jan–Feb;(182):289–92

INJURIES

Transchondral fracture of the dome of the talus sustained during weight training. Mannis CI. **Am J Sports Med** 1983 Sep–Oct;11(5):354–6

Occult injuries of the talus diagnosed by bone scan and tomography. Burkus JK, et al. **Foot Ankle** 1984 May–Jun; 4(6):316–24

The inverted Y approach to the talus and ankle joint. Tauber C, et al. **Injury** 1984 Jul;16(1):53–4

A tarsal stress fracture in a long-distance runner. A case report. Campbell G, et al. **J Am Podiatry Assoc** 1983 Oct; 73(10):532–5

Fracture of the posterior process of the talus. A case report. Kavros SJ, et al. **J Am Podiatry Assoc** 1983 Aug; 73(8):421–2

Fractures of the neck of the talus: a review of the literature based on Hawkins' classification with two case presentations. Ochwat GF, et al. **J Foot Surg** 1984 Jul–Aug; 23(4):308–13

Osteochondral lesions of the talus. Rynn M, et al. **J Foot Surg** 1983 Summer;22(2):155–8 (23 ref.)

Transchondral talar dome fractures: not just a sprained ankle. Nash WC, et al. **South Med J** 1984 May;77(5):560–4

[Serious injuries of the astragalus. Fracture dislocations, comminuted fractures and total dislocations] Copin G, et al. **Acta Orthop Belg** 1983;49(6):698–710 (Eng. Abstr.) **(Fre)**

[Fractures and dislocations of the astragalus. Review of 359 cases] Schuind F, et al. **Acta Orthop Belg** 1983;49(6):652–89 (Eng. Abstr.) **(Fre)**

[An unusual case of bilateral fatigue fracture of the astragalus. New data on fatigue fractures (letter)] Doury P, et al. **Presse Med** 1984 Mar 31;13(14):885–6 **(Fre)**

[Knowledge about and therapy of Shepherd's fracture] Riedel K, et al. **Zentralbl Chir** 1984;109(11):746–9 (Eng. Abstr.) **(Ger)**

[Fractures of the talus] Pieliński M, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):509–17 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

A comparative study of the frequency of anterior impingement exostoses of the ankle in dancers and nondancers. Stoller SM, et al. **Foot Ankle** 1984 Jan–Feb; 4(4):201–3

Osteochondritis dissecans of the talus: case report on two family members. Anderson DV, et al. **J Pediatr Orthop** 1984 May;4(3):356–7

Talar ridges, osteophytes, and beaks: a radiologic commentary. Resnick D. **Radiology** 1984 May; 151(2):329–32

RADIONUCLIDE IMAGING

The os trigonum syndrome: use of bone scan in the diagnosis. Johnson RP, et al. **J Trauma** 1984 Aug;24(8):761–4

SURGERY

Lateral talocalcaneal angle in assessment of subtalar valgus: follow-up of seventy Grice-Green arthrodeses. Aronson J, et al. **Foot Ankle** 1983 Sep–Oct;4(2):56–63

Tibiocalcaneal stabilization using reinforced acrylic cement as a substitute for the talus. A case report. Kendrick RE. **J Bone Joint Surg [Am]** 1984 Jun;66(5):788–90

TAMARINS see **CALLITHRICIDAE**

TAMIAS see **SCIURIDAE**

TAMOXIFEN

ADMINISTRATION & DOSAGE

Tamoxifen and endometrial carcinoma: alterations in estrogen and progesterone receptors in untreated patients and combination hormonal therapy in advanced neoplasia. Carlson JA Jr, et al. **Am J Obstet Gynecol** 1984 May 15; 149(2):149–53

A comparison of two doses of tamoxifen (Nolvadex) in postmenopausal women with advanced breast cancer: 10 mg bd versus 20 mg bd. Bratherton DG, et al. **Br J Cancer** 1984 Aug;50(2):199–205

Treatment of primary breast cancer with L-PAM/5-FU and tamoxifen: an interim report. Fisher B. **Breast Cancer Res Treat** 1983;3 Suppl:S7–17

Tamoxifen (Nolvadex) for premenopausal patients with advanced breast cancer. Margreiter R, et al. **Breast Cancer Res Treat** 1984;4(1):45–8

High-dose tamoxifen in metastatic melanoma [letter] Papac RJ, et al. **Cancer Treat Rep** 1983 Nov;67(11):1051–2

Influence of tumor estrogen and progesterone receptor levels on the response to tamoxifen and chemotherapy in primary breast cancer. Fisher B, et al. **J Clin Oncol** 1983 Apr; 1(4):227–41

A randomized attempt to increase the efficacy of cytotoxic chemotherapy in metastatic breast cancer by hormonal synchronization. Lippman ME, et al. **J Clin Oncol** 1984 Jan;2(1):28–36

Randomised trial of chemo–endocrine therapy, endocrine therapy, and mastectomy alone in postmenopausal patients with operable breast cancer and axillary node metastasis. Ludwig Breast Cancer Study Group. **Lancet** 1984 Jun 9; 1(8389):1256–60

A rationale for combined antiestrogen plus progestin administration in breast cancer. Baulieu EE. **Prog Clin Biol Res** 1983;132E:167–73

[Metastatic breast cancer: a comparative study of the efficacy of tamoxifen and the sequential administration of tamoxifen and medroxyprogesterone acetate] Giralt E, et al. **Bull Cancer (Paris)** 1984;71(1):22–9 (Eng. Abstr.) **(Fre)**

[Sex hormone dependency in diffuse carcinoma of the stomach and results of chemo–endocrine therapy] Kitaoka H. **Gan No Rinsho** 1984 May;30(6 Suppl):741–8 (Eng. Abstr.) **(Jpn)**

[Sex hormone dependency and endocrine therapy in diffuse carcinoma of the stomach] Kitaoka H. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2453–60 (Eng. Abstr.) **(Jpn)**

[Present status of endocrine therapy of breast cancer: a surgeon's view] Nomura Y. **Gan To Kagaku Ryoho** 1984 May;11(5):981–8 (Eng. Abstr.) **(Jpn)**

[Internal endocrine therapy of breast cancer] Yoshida M, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):989–98 (Eng. Abstr.) **(Jpn)**

[Roentgenological changes during treatment of breast cancer metastases into the bones with adriamycin and tamoxifen] Lipovich MM, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug; (4):65–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

A case of peliosis hepatis in association with tamoxifen therapy. Loomus GN, et al. **Am J Clin Pathol** 1983 Dec; 80(6):881–3

Tamoxifen and liver damage. Blackburn AM, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):288

Venous thrombosis as a side effect of tamoxifen treatment. Lipton A, et al. **Cancer Treat Rep** 1984 Jun;68(6):887–9

Thrombocytopenia after combination therapy with aminoglutethimide and tamoxifen: which drug is to blame? Ragaz J, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):1015–6

Effects of tamoxifen on the levels of luteinizing hormone (LH), follicle stimulating hormone (FSH), prolactin (PRL), 17 beta–oestradiol (E2), total and free testosterone (T) and total and free dihydrotestosterone (DHT) in blood of patients with benign prostatic hyperplasia. Stahl F, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):21–8

ANALOGS & DERIVATIVES

Interaction of the radiolabelled high–affinity anti–oestrogen [3H]H1285 with the cytoplasmic oestrogen receptor. Keene JL, et al. **Biochem J** 1984 Feb 1;217(3):819–26

Effect of retinoic acid and 4–hydroxytamoxifen on human breast cancer cell lines. Marth C, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2217–21

Influence of tamoxifen and its N–desmethyl and 4–hydroxy metabolites on rat liver microsomal enzymes. Meltzer NM, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):115–23

A monoclonal antibody to the estrogen receptor discriminates between the nonactivated and activated estrogen– and anti–estrogen–receptor complexes. Borgna JL, et al. **Biochemistry** 1984 May 8;23(10):2162–8

Translocation of cytoplasmic estrogen receptors to the nucleus: immunohistochemical demonstration utilizing rabbit antibodies to estrogen receptors of mammary carcinomas. Raam S, et al. **Breast Cancer Res Treat** 1983; 3(2):179–99

Interaction of [3H] estradiol – and [3H] monohydroxytamoxifen–estrogen receptor complexes with a monoclonal antibody. Tate AC, et al. **Breast Cancer Res Treat** 1983;3(3):267–77

Bioactivities, estrogen receptor interactions, and plasminogen activator–inducing activities of tamoxifen and hydroxy–tamoxifen isomers in MCF–7 human breast cancer cells. Katzenellenbogen BS, et al. **Cancer Res** 1984 Jan; 44(1):112–9

Differences between estrogen– and antiestrogen–estrogen receptor complexes from human breast tumors identified with an antibody raised against the estrogen receptor. Tate AC, et al. **Cancer Res** 1984 Mar;44(3):1012–8

Estrogen receptor–mediated and cytotoxic effects of the antiestrogens tamoxifen and 4–hydroxytamoxifen. Taylor CM, et al. **Cancer Res** 1984 Apr;44(4):1409–14

Induction of two estrogen–responsive proteins by antiestrogens in R27, a tamoxifen–resistant clone of MCF7 cells. Vignon F, et al. **Cancer Res** 1984 May;44(5):2084–8

The effects of the high affinity antiestrogen, H1285, on uterine growth and morphology. Ruh MF, et al. **Comp Biochem Physiol [C]** 1984;77(1):89–93

Characterization of the estrogen receptor and its dynamics in MCF–7 human breast cancer cells using a covalently attaching antiestrogen. Monsma FJ Jr, et al. **Endocrinology** 1984 Jul;115(1):143–53

A comparative study of electrophoretic mobilities of [3H]–estradiol and monohydroxytamoxifen binding components in the cytosols of human breast carcinomas and sera of healthy adult females. Raam S, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1457–65

N–desmethyltamoxifen inhibits growth of MCF 7 human mammary carcinoma cells in vitro. Reddel RR, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1179–81

Microsomal binding sites for nonsteroidal anti–estrogens in MCF 7 human mammary carcinoma cells. Demonstration of high affinity and narrow specificity for basic ether derivatives of triphenylethylene. Watts CK, et al. **J Biol Chem** 1984 Apr 10;259(7):4223–9

Differential antiestrogen action in the immature rat uterus: a comparison of hydroxylated antiestrogens with high affinity for the estrogen receptor. Jordan VC, et al. **J Steroid Biochem** 1983 Sep;19(3):1249–58

The inhibition of prolactin synthesis in GH3 rat pituitary tumor cells by monohydroxytamoxifen is associated with changes in the properties of the estrogen receptor. Tate AC, et al. **J Steroid Biochem** 1984 Jan;20(1):391–5

Nuclear [3H]4–hydroxytamoxifen (4–OHTAM)– and [3H]estradiol (E2)–estrogen receptor complexes in the MCF–7 breast cancer and GH3 pituitary tumor cell lines. Tate AC, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):211–9

The agonistic and antagonistic properties of the high affinity antiestrogen—H1285. Ruh TS, et al. **Pharmacol Ther** 1983; 21(2):247–64 (29 ref.)

ANALYSIS

The measurement of tamoxifen and metabolites in the rat and relationship to the response of DMBA–induced mammary tumours. Daniel CP, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):137–43

BLOOD

High–performance liquid chromatographic analysis of tamoxifen and major metabolites in human plasma. Camaggi CM, et al. **J Chromatogr** 1983 Jul 8;275(2):436–42

METABOLISM

Triphenylethylene antiestrogen–binding sites in cockerel liver nuclei: evidence for an endogenous ligand. Murphy PR, et al. **Endocrinology** 1984 Jul;115(1):420–6

Microsomal binding sites for nonsteroidal anti–estrogens in MCF 7 human mammary carcinoma cells. Demonstration of high affinity and narrow specificity for basic ether derivatives of triphenylethylene. Watts CK, et al. **J Biol Chem** 1984 Apr 10;259(7):4223–9

PHARMACODYNAMICS

Anti–oestrogenic effects of tamoxifen on mammary gland and hypophysis in female rats. Götze S, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):360–70

Effects of cyproterone and tamoxifen upon the hair waves in mice. Arias NH, et al. **Acta Physiol Lat Am** 1982; 32(4):261–6

Tamoxifen is a calmodulin antagonist in the activation of cAMP phosphodiesterase. Lam HY. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):27–32

Influence of tamoxifen and its N–desmethyl and 4–hydroxy metabolites on rat liver microsomal enzymes. Meltzer NM, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):115–23

Effects of the antioestrogen tamoxifen on the cell cycle kinetics of the human breast cancer cell line, MCF–7. Lykkesfeldt AE, et al. **Br J Cancer** 1984 Jun;49(6):717–22

Steroid receptors and response of ovarian cancer to hormones in vitro. Grönroos M, et al. **Br J Obstet Gynaecol** 1984 May;91(5):472–8

Estradiol formation and estrogen receptors in breast tumor tissue: effects of tamoxifen on estrogen interconversions in breast tumor homogenate in vitro [letter] Wilking N, et al. **Breast Cancer Res Treat** 1984;4(2):149–51

Comparative effects of tamoxifen and bromocriptine on prolactin and pituitary weight in estradiol–treated male rats. Lyle SF, et al. **Cancer** 1984 Apr 1;53(7):1473–7

Influence of estradiol and tamoxifen on the growth of N–nitrosomethylurea–induced rat mammary tumor cells in soft agar. Arafah BM, et al. **Cancer Res** 1984 Jul; 44(7):2869–72

Effect of estrogen and antiestrogen on the human breast cancer cell line MCF–7 adapted to growth at low serum concentration. Briand P, et al. **Cancer Res** 1984 Mar; 44(3):1114–9

Effects of estradiol and tamoxifen on human breast cancer cells in serum–free culture. Darbre PD, et al. **Cancer Res** 1984 Jul;44(7):2790–3

Bioactivities, estrogen receptor interactions, and plasminogen activator–inducing activities of tamoxifen and hydroxy–tamoxifen isomers in MCF–7 human breast cancer cells. Katzenellenbogen BS, et al. **Cancer Res** 1984 Jan; 44(1):112–9

Reversal of acquired resistance to doxorubicin in P388 murine leukemia cells by tamoxifen and other triparanol analogues. Ramu A, et al. **Cancer Res** 1984 Oct;44(10):4392–5

Effects of tamoxifen on estrogen–induced enhancement or inhibition of tumor growth in mouse Leydig cell tumor lines. Sato B, et al. **Cancer Res** 1984 Oct;44(10):4386–91

Estrogen–like effects of tamoxifen on human endometrial carcinoma transplanted into nude mice. Satyaswaroop PG, et al. **Cancer Res** 1984 Sep;44(9):4006–10

Induction of two estrogen–responsive proteins by antiestrogens in R27, a tamoxifen–resistant clone of MCF7 cells. Vignon F, et al. **Cancer Res** 1984 May;44(5):2084–8

Effects of bromocriptine and tamoxifen on growth and hormone receptor levels of 7,12–dimethylbenz(a)anthracene–induced mammary tumors in rats. Waseda N, et al. **Endocrinol Jpn** 1983 Aug; 30(4):529–35

Estrogen and antiestrogen effects on different lymphoid cell populations in the developing fetal thymus of guinea pig. Gulino A, et al. **Endocrinology** 1983 Nov;113(5):1754–62

The effects of estradiol, tamoxifen, and testosterone on the weights and histology of the epididymis and accessory sex organs of sexually immature rabbits. Orgebin–Crist MC, et al. **Endocrinology** 1983 Nov;113(5):1703–15

Clomiphene and tamoxifen inhibit progesterone synthesis in granulosa cells: comparison with estradiol. Sgarlata CS, et al. **Endocrinology** 1984 Jun;114(6):2032–8

The effect of tamoxifen on the growth of human malignant melanoma in vitro. Gill PG, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):807–15

In vitro stimulation of human NK activity by an estrogen antagonist (tamoxifen) [letter] Mandeville R, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):983–5

Effects of antiestrogens on the estrogen–regulated pS2 RNA and the 52– and 160–kilodalton proteins in MCF7 cells and two tamoxifen–resistant sublines. Westley B, et al. **J Biol Chem** 1984 Aug 25;259(16):10030–5

Inhibitory action of bromocriptine and tamoxifen on the growth of human pituitary tumors in soft agar. Arafah BM, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):986–92

Effects of tamoxifen on concentrations of luteinizing hormone and follicle–stimulating hormone in the plasma of ovariectomized ewes. Clarke IJ. **J Endocrinol** 1983 Oct; 99(1):23–9

Effects of chronic treatment with oestrogen, an oestrogen antagonist and a potent luteinizing hormone releasing hormone agonist analogue on pituitary responsiveness to luteinizing hormone releasing hormone in the rat. Hall JM, et al. **J Endocrinol** 1983 Sep;98(3):313–21

Comparison of the biological effects of tamoxifen and a new antioestrogen (LY 117018) on the immature rat uterus. Wakeling AE, et al. **J Endocrinol** 1983 Dec;99(3):447–53

Tamoxifen induced membrane alterations in human breast cancer cells. Sica G, et al. **J Steroid Biochem** 1984 Jan; 20(1):425–8

Smooth muscle cell of the canine prostate in spontaneous benign hyperplasia, steroid induced hyperplasia and estrogen or tamoxifen treated dogs. Bruengger A, et al. **J Urol** 1983 Dec;130(6):1208–10

In vitro growth promotion of human mammary carcinoma cells by steroid hormones, tamoxifen, and prolactin. Simon WE, et al. **JNCI** 1984 Aug;73(2):313–21

Tamoxifen–induced changes in the polyribosomes and associated mRNA of rat uterus. Waters AP, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):233–44

Differentiation of the sexually dimorphic nucleus in the preoptic area of the rat brain is inhibited by postnatal treatment with an estrogen antagonist. Döhler KD, et al. **Neuroendocrinology** 1984 Apr;38(4):297–301

Inhibition of septal hyperreactivity by testosterone and its reversion by an estrogen antagonist in weanling female rats. Iovino M, et al. **Neurosci Lett** 1983 Sep 30;40(2):151–6

Estradiol, progesterone and tamoxifen regulation of ornithine decarboxylase (ODC) in rat uterus and chick oviducts. Levy C, et al. **Prog Clin Biol Res** 1984;142:133–44

Female sex steroid receptors in post menopausal endometrial carcinoma. Biochemical responses to antiestrogen and progestin. Robel P, et al. **Prog Clin Biol Res** 1984; 142:167–79

Estradiol and tamoxifen stimulation of lapine articular chondrocyte prostaglandin synthesis. Rosner IA, et al. **Prostaglandins** 1983 Jul;26(1):123–38

Endocrine effects of tamoxifen in postmenopausal breast cancer patients. Boccardo F, et al. **Tumori** 1984 Feb 29; 70(1):61–8

[Modification of sebaceous gland secretion by the antiestrogen tamoxifen in female and male golden hamsters] Gloor M, et al. **Z Hautkr** 1983 Sep 1;58(17):1242–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Results of treatment with tamoxifen in oligozoospermic men. Danner Ch, et al. **Andrologia** 1983;15 Spec No:584–7

Tamoxifen therapy for metastatic carcinoid tumor: a negative study. Moertel CG, et al. **Ann Intern Med** 1984 Apr; 100(4):531–2

Pulmonary lymphangioleiomyomatosis: a case of progesterone receptor positive lymphangioleiomyomatosis treated with medroxyprogesterone, oophorectomy and tamoxifen. Svendsen TL, et al. **Br J Dis Chest** 1984 Jul; 78(3):264–71

Tamoxifen–induced regression of pulmonary metastases from renal cell carcinoma. Amin R. **Br J Radiol** 1983 Oct; 56(670):766–7

Tamoxifen treatment of metastatic breast cancer and antithrombin III levels. Enck RE, et al. **Cancer** 1984 Jun 15;53(12):2607–9

The effect of tamoxifen on bone mineral content in

premenopausal women with breast cancer. Gotfredsen A, et al. **Cancer** 1984 Feb 15;53(4):853–7
Additive hormonal therapy in women with advanced breast cancer. Ingle JN. **Cancer** 1984 Feb 1;53(3 Suppl):766–77
Remission of rapidly growing desmoid tumors after tamoxifen therapy. Kinzbrunner B, et al. **Cancer** 1983 Dec 15;52(12):2201–4
Tamoxifen (Nolvadex) versus adrenalectomy in metastatic breast cancer. Nemoto T, et al. **Cancer** 1984 Mar 15; 53(6):1333–5
Metastatic breast cancer in males. Assessment of endocrine therapy. Patel JK, et al. **Cancer** 1984 Mar 15;53(6):1344–6
Tamoxifen in advanced prostatic carcinoma. A dose escalation study. Torti FM, et al. **Cancer** 1984 Aug 15; 54(4):739–43
Tamoxifen and 5-fluorouracil in breast cancer: cytotoxic synergism in vitro. Benz C, et al. **Cancer Res** 1983 Nov; 43(11):5298–303
Interrelation between tumor cell proliferation and 17-fluoresceinated estrone binding following primary tumor removal, radiation, cyclophosphamide, or tamoxifen. Fisher B, et al. **Cancer Res** 1983 Nov;43(11):5244–7
Phase II clinical study of tamoxifen in advanced endometrial adenocarcinoma: a Gynecologic Oncology Group study. Slavik M, et al. **Cancer Treat Rep** 1984 May;68(5):809–11
Intermittent antiestrogen therapy in advanced breast cancer [letter] Stoll BA. **Cancer Treat Rep** 1983 Jan;67(1):98
IgG-induced experimental immune synovitis: hormonal modulation of in vitro splenic immune responses to homologous antigens. Kresina TF, et al. **Clin Exp Immunol** 1984 Jul;57(1):63–72
The management of locally advanced carcinoma of the breast by Nolvadex (tamoxifen): a pilot study. Campbell FC, et al. **Clin Oncol** 1984 Jun;10(2):111–5
Rechallenging breast cancer with tamoxifen therapy. Stoll BA. **Clin Oncol** 1983 Dec;9(4):347–51
Adenocarcinoma of the pancreas—a hormone sensitive tumor? A preliminary report on Nolvadex treatment. Theve NO, et al. **Clin Oncol** 1983 Sep;9(3):193–7
Tamoxifen in the treatment of male breast carcinoma. Ribeiro GG. **Clin Radiol** 1983 Nov;34(6):625–8
Randomized trial of 3 different regimens of combination chemotherapy in patients receiving simultaneously a hormonal treatment for advanced breast cancer. Cavalli F, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1615–24
Tamoxifen and medroxyprogesterone therapy for advanced endometrial carcinoma. Rendina GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):285–91
Treatment of infertile women with a deficient postcoital test with two antiestrogens: clomiphene and tamoxifen. Roumen FJ, et al. **Fertil Steril** 1984 Feb;41(2):237–43
Luteotropic effects of tamoxifen in infertile women. Tajima C. **Fertil Steril** 1984 Aug;42(2):223–7
Tamoxifen in the treatment of infertile patients associated with inadequate luteal phase. Tajima C. **Fertil Steril** 1984 Mar;41(3):470–2
Effects of the oestrogen antagonist tamoxifen on disease indices in systemic lupus erythematosus. Sturgess AD, et al. **J Clin Lab Immunol** 1984 Jan;13(1):11–4
Tamoxifen in the treatment of osseous metastatic breast cancer. A case report. Tepmongkol P. **J Med Assoc Thai** 1984 Mar;67(3):188–93
Tamoxifen response following no response to orchiectomy in metastatic male breast cancer: a case report. Hilliard DA, et al. **J Surg Oncol** 1984 Jan;25(1):42–3
Treatment of disseminated breast cancer with tamoxifen, aminoglutethimide, hydrocortisone, and danazol, used in combination or sequentially. Powles TJ, et al. **Lancet** 1984 Jun 23;1(8391):1369–73
The antiproliferative effect of tamoxifen in breast cancer cells: mediation by the estrogen receptor. Bardon S, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):89–96
Tamoxifen for gynecomastia induced by anabolic steroids? [letter] Spano F, et al. **N Engl J Med** 1984 Sep 27; 311(13):861–2
Treatment of advanced breast cancer with tamoxifen. Rose C, et al. **Recent Results Cancer Res** 1984;91:230–42
Protocols based on steroid receptors: Great Britain. Rubens RD. **Recent Results Cancer Res** 1984;91:259–62
Effect of adjuvant therapy in primary breast cancer in relation to the estrogen receptor level. Waligren A, et al. **Recent Results Cancer Res** 1984;91:214–9
Hormonal and receptor status in postmenopausal women with endometrial carcinoma before and after treatment with tamoxifen. Luciani L, et al. **Tumori** 1984 Apr 30; 70(2):189–92
[Case report on the hormonal aspects of the therapy of pulmonary lymphangioleiomyomatosis] Bettendorf U, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:1024–5 (Eng. Abstr.) **(Ger)**
[Echotomographic evaluation of the recent endocrine trends in the treatment of so-called prostatic hypertrophy] Napolitano A, et al. **Ann Ital Chir** 1983;55(2):161–7 **(Ita)**
[Cumulative effects of lentinan and endocrine therapy on the growth of DMBA-induced mammary tumor in rats] Kosaka A, et al. **Gan To Kagaku Ryoho** 1984 Jul; 11(7):1399–407 (Eng. Abstr.) **(Jpn)**
[A case of recurrent breast cancer responding to long-term administration of tamoxifen] Yayoi E, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1683–6 (Eng. Abstr.) **(Jpn)**
[Ovarian irridation and prednisone versus tamoxifen (Nolvadex) in advanced breast cancer] Gundersen S, et al. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1873–5 (Eng. Abstr.) **(Nor)**

TOXICITY

Tamoxifen and 5-fluorouracil in breast cancer: modulation of cellular RNA. Benz C, et al. **Cancer Res** 1983 Nov; 43(11):5304–8
Antiproliferative actions of tamoxifen to human ovarian carcinomas in vitro. Lazo JS, et al. **Cancer Res** 1984 Jun; 44(6):2265–71
Factors affecting the sensitivity of T-47D human breast cancer cells to tamoxifen. Reddel RR, et al. **Cancer Res** 1984 Jun;44(6):2398–405
Estrogen receptor-mediated and cytotoxic effects of the antiestrogens tamoxifen and 4-hydroxytamoxifen. Taylor CM, et al. **Cancer Res** 1984 Apr;44(4):1409–14
Reversal of the antiproliferative effect of the antiestrogen tamoxifen by polyamines in breast cancer cells. Manni A, et al. **Endocrinology** 1984 Mar;114(3):836–9

TAMPONS

Uterine tamponade for the control of acute uterine bleeding. Goldrath MH. **Am J Obstet Gynecol** 1983 Dec 15; 147(8):869–72
Correction: article on toxic shock syndrome [letter] Helgerson SD, et al. **Ann Intern Med** 1984 Jul;101(1):150–1
Balloon tamponade in the management of bleeding oesophageal varices [letter] McCormack T, et al. **Ann R Coll Surg Engl** 1984 May;66(3):226
Balloon tamponade in the management of bleeding oesophageal varices. Sarin SK, et al. **Ann R Coll Surg Engl** 1984 Jan;66(1):30–2
[Effect of the choice of sampling swabs and handling of tubes on the results of Chlamydia cultures] Märdh PA. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):41–7 (Eng. Abstr.) **(Fre)**
[Hair transplantation: gelatin plugs for hemostasis] Kaufmann R, et al. **Z Hautkr** 1983 Aug 1;58(15):1139–41 (Eng. Abstr.) **(Ger)**
[Effects of insulin on the deformability of normal erythrocytes suspended on artificial tampons, in normal plasma and plasma of diabetic patients] Mambrini A, et al. **Ric Clin Lab** 1983;13 Suppl 3:359–62 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Relationship of superabsorbant tampons and the toxic shock syndrome [letter] Bonventre PF. **Am J Obstet Gynecol** 1984 Aug 15;149(8):915–6
Composition of tampons in regard to toxic shock syndrome [letter] Morse SA, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):916–8
Toxic shock syndrome: the tampon connection [letter] Tierno PM Jr, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):352–4
Tampon-induced changes in vaginal oxygen and carbon dioxide tensions. Wagner G, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):147–50
Morbidity associated with the use of antral packs and external pins in the treatment of the unstable fracture of the zygomatic complex. Finlay PM, et al. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):18–23
Tampons and toxic shock syndrome [letter] **JAMA** 1984 May 4;251(17):2211
Toxic-shock syndrome associated with nasal packing: analogy to tampon-associated illness. Barbour SD, et al. **Pediatrics** 1984 Feb;73(2):163–5
Toxic shock syndrome: chronology of state and federal epidemiologic studies and regulatory decision-making. Donawa ME, et al. **Public Health Rep** 1984 Jul–Aug; 99(4):342–50
[Toxic shock syndrome in a 14-year-old girl] Lüders D, et al. **Monatsschr Kinderheilkd** 1984 Apr;132(4):217–21 (Eng. Abstr.) **(Ger)**
[Toxic-shock syndrome (TSS)—report of 2 cases and a study on vaginal flora and sanitary products used during menstruation] Ochiai K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1689–92 **(Jpn)**

TANGIER DISEASE see under **HYPOLIPOPROTEINEMIA**

TANNIC ACID see under **TANNINS**

TANNING

Cancer mortality among shoe and leather workers in Massachusetts. Garabrant DH, et al. **Am J Ind Med** 1984; 5(4):303–14
Hair chromium concentration and chromium excretion in tannery workers. Saner G, et al. **Br J Ind Med** 1984 May; 41(2):263–6
Detection of mutagens in leather and tannery industry assay of 28 commercial mixtures. Del Carratore R, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):400–4
Kidney cancer among leather workers [letter] Acheson ED, et al. **Lancet** 1984 Mar 10;1(8376):563
Kidney cancer among leather workers [letter] Cartwright RA, et al. **Lancet** 1984 Apr 14;1(8381):850–1
Kidney cancer among leather workers [letter] Malker HR, et al. **Lancet** 1984 Jan 7;1(8367):56
[Findings on the spread of anthrax spores in the provincial territory of Milan with tanneries] Perone A, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec;75(7–12):322–36 (Eng. Abstr.) **(Ita)**

TANNINS

Regions of putative acetylcholine receptors at synaptic contacts between neurons maintained in culture and subsequently fixed in solutions containing tannic acid. Bird MM. **Cell Tissue Res** 1984;235(1):85–9
Ultrastructural demonstration of exocytosis of neural, neuroendocrine and endocrine secretions with an in vitro tannic acid (TARI-) method. Buma P, et al. **Histochemistry** 1984;80(3):247–56
Physical properties of a polycarboxylate cement containing a tannin-fluoride preparation. Tsukiboshi M, et al. **J Prosthet Dent** 1984 Apr;51(4):503–8
Tannic acid improves the visualization of the human erythrocyte membrane skeleton by freeze-etching. Fujikawa S. **J Ultrastruct Res** 1983 Sep;84(3):289–98
Use of tannic acid to study cytoplasmic vesicles and membrane invaginations in epididymal fat pads of ageing mice. Montisano DF, et al. **Mech Ageing Dev** 1984 Apr-May;25(1–2):177–88
Improvement of the nutritive value of high tannin sorghums for broiler chickens by high moisture storage (reconstitution). Mitaru BN, et al. **Poult Sci** 1983 Oct; 62(10):2065–72

ANALYSIS

Isolation of natural plaque-inhibiting substances from 'Nigerian chewing sticks'. Wolinsky LE, et al. **Caries Res** 1984;18(3):216–25
Winged bean (Psophocarpus tetragonolobus) tannin level, phytate content, and hemagglutinating activity. Tan NH, et al. **J Agric Food Chem** 1983 Jul–Aug;31(4):916–7

ISOLATION & PURIFICATION

Tannins and related compounds. XII. Isolation and characterization of galloylglucoses from Paeoniae Radix and their effects on urea-nitrogen concentration in rat serum. Nishizawa M, et al. **Chem Pharm Bull (Tokyo)** 1983 Aug;31(8):2593–600
[Purification of a tannic extract of strawberry plant by fermentation] Pourrat A, et al. **Ann Pharm Fr** 1983; 41(6):597–602 (Eng. Abstr.) **(Fre)**

METABOLISM

The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. 2. Quantitative digestion of carbohydrates and proteins. Barry TN, et al. **Br J Nutr** 1984 May;51(3):493–504
The role of condensed tannins in the nutritional value of Lotus pedunculatus for sheep. 1. Voluntary intake. Barry TN, et al. **Br J Nutr** 1984 May;51(3):485–91

PHARMACODYNAMICS

Studies on the activities of tannins and related compounds of medicinal plants and drugs. III. Effects of various tannins and related compounds on adrenocorticotropic hormone-induced lipolysis and insulin-induced lipogenesis from glucose in fat cells. (2). Kimura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2501–6
Studies on the activities of tannins and related compounds of medicinal plants and drugs. II. Effects of various tannins and related compounds on adrenaline-induced lipolysis in fat cells (1). Kimura Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2497–500
Inhibitory effect of gallotannins on the respiration of rat liver mitochondria. Nishizawa M, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2150–2
Studies on the activities of tannins and related compounds from medicinal plants and drugs. I. Inhibitory effects on lipid peroxidation in mitochondria and microsomes of liver. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1983 May; 31(5):1625–31
Mechanism of the blood urea nitrogen-decreasing activity of rhatannin from Rhei Rhizoma in the rat. I. Shibutani S, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2378–85
Platelet 5-hydroxytryptamine release and aggregation promoted by cotton bracts tannin. Rohrbach MS, et al. **J Lab Clin Med** 1984 Jan;103(1):152–60
Effect of tea tannin on intestinal movement in vitro. Zhang YG. **J Tradit Chin Med** 1983 Dec;3(4):271–2
Abolition of allergens by tannic acid [letter] Green WF. **Lancet** 1984 Jul 21;2(8395):160
The effects of sorghum tannin and methionine level on the performance of laying hens maintained in two temperature environments. Sell DR, et al. **Poult Sci** 1984 Jan; 63(1):109–16
The effects of sorghum tannin and protein level on the performance of laying hens maintained in two temperature environments. Sell DR, et al. **Poult Sci** 1983 Dec; 62(12):2420–8
Effects of sorghum grain tannins and dietary protein on the activity of liver UDP-glucuronyltransferase. Sell DR, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):93–101

TOXICITY

Toxicity of ochratoxin A and tannic acid to growing chicks. Kubena LF, et al. **Poult Sci** 1983 Sep;62(9):1786–92

TANTALUM

[Is fracture healing in the presence of biocompatible implant materials tantalum and niobium different in comparison to steel implants?] Rabenseifner L, et al. **Z Orthop** 1984 May–Jun;122(3):349–55 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

[Correlation of myocardial scintigraphy findings with 201Tl and electrocardiography in evaluation of the state of the myocardium in patients with ischemic heart disease] Samoilenko LE, et al. **Kardiologiia** 1984 Mar;24(3):18–23 (Eng. Abstr.) (Rus)

TAPE RECORDING

Adaptations for independent use of cassette tape recorder/radio by high-level quadriplegic patients. Kelly SN. **Am J Occup Ther** 1983 Nov;37(11):766–7

Off-line montage reformatting. Shewmon DA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun;57(6):591–5

Automated high-speed analysis of Holter tapes with microcomputers. Ahlstrom ML, et al. **IEEE Trans Biomed Eng** 1983 Oct;30(10):651–7

Efficacy of 'talking books' for a group of reading disabled boys. Abelson AG, et al. **Percept Mot Skills** 1983 Oct; 57(2):567–70

Effects of self-tape recording on self-awareness in a context of self-counseling. Snider JG, et al. **Psychol Rep** 1984 Feb; 54(1):311–5

[A comparative text study of verbatim and memory protocols] Argelander H. **Psyche (Stuttg)** 1984 May; 38(5):385–419 (Eng. Abstr.) (Ger)

[Biological monitoring of employees working with polystyrene products—music tape manufacturing] Bründel KH. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Apr;34(4):110–4 (Ger)

INSTRUMENTATION

Recorder for assessment of upper airway disorders. Marsh RR, et al. **Otolaryngol Head Neck Surg** 1983 Oct; 91(5):584–5

Pseudo-atrial dissociation caused by inadequate electrocardiographic tape erasure. Wenger TL, et al. **PACE** 1978 Oct;1(4):547–8

METHODS

Sound recording in the small TV studio. Johnson AP. **J Audiov Media Med** 1983 Oct;6(4):131–4

Voice recording and vocal fold photography in the ENT office setting. Gould WJ. **J Otolaryngol** 1983 Oct; 12(5):282–4

Practical techniques of office voice recording. Izdebski K. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):638–42

TAPE RECORDING, VIDEO see **VIDEOTAPE RECORDING**

TAPEWORM INFECTION see **CESTODE INFECTIONS**

TAPEWORMS see **CESTODA**

TARICHA see **SALAMANDRIDAE**

TARICHATOXIN see **TETRODOTOXIN**

TARS

Management of tar and asphalt injuries. Stratta RJ, et al. **Am J Surg** 1983 Dec;146(6):766–9

Amount of nicotine and carbon monoxide inhaled by smokers of low-tar, low-nicotine cigarettes. Ebert RV, et al. **JAMA** 1983 Nov 25;250(20):2840–2

ADMINISTRATION & DOSAGE

Modified Goeckerman therapy for psoriasis. A two-year follow-up of a combined hospital-ambulatory care program. Armstrong RB, et al. **Arch Dermatol** 1984 Mar; 120(3):313–8

[The effect of a tar admixture to dithranol-salicylic-acid-white-petrolatum therapy on the cytokinetics of psoriasis] Schulze HJ, et al. **Z Hautkr** 1984 Mar 1;59(5):288–90, 295–7 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

[Tar treatment in dermatology] Goerz G, et al. **Hautarzt** 1983 Sep;34(9):437–41 (Eng. Abstr.) (Ger)

ANALYSIS

Test for assessing tar/nicotine yields [letter] Devitt G, et al. **Am J Public Health** 1984 Apr;74(4):391

Yields of tar, nicotine, and carbon monoxide in the sidestream smoke from 15 brands of Canadian cigarettes. Rickert WS, et al. **Am J Public Health** 1984 Mar;74(3):228–31

Vanadium and nickel content of Nowruz spill tar flakes on the Saudi Arabian coastline and their probable environmental impact. Sadiq M, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):635–9

Estimating the hazards of 'less hazardous' cigarettes. III. A study of the effect of various smoking conditions on yields of hydrogen cyanide and cigarette tar. Rickert WS, et al. **J Toxicol Environ Health** 1983 Jul;12(1):39–54

A comparison of the yields of tar, nicotine, and carbon monoxide of 36 brands of Canadian cigarettes tested under three conditions. Rickert WS, et al. **Prev Med** 1983 Sep; 12(5):682–94

Relative intakes of tar, nicotine, and carbon monoxide from cigarettes of different yields. Wald NJ, et al. **Thorax** 1984 May;39(5):361–4

PHARMACODYNAMICS

The effect of low-, medium- and high-tar cigarette smoke on the fate of arachidonic acid in isolated hamster lungs. Matintalo M, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):280–7

TOXICITY

Carcinogenic activity of condensate from coloquint seeds (Citrullus colocynthis) after chronic epicutaneous administration to mice. Habs M, et al. **J Cancer Res Clin Oncol** 1984;108(1):154–6

Toxic and teratogenic effects of chemical class fractions of a coal-gasification electrostatic precipitator tar. Schultz TW, et al. **Toxicology** 1983 Dec;29(1–2):87–99

TARSAL BONES

Navicular bone disease: results of treatment using egg-bar shoeing technique. Ostblom LC, et al. **Equine Vet J** 1984 May;16(3):203–6

Navicular disease and its treatment. Colles C. **In Pract** 1982 Mar;4(2):29–36

Talonavicular coalition following avascular necrosis of the tarsal navicular. Ertel AN, et al. **J Pediatr Orthop** 1984 Aug;4(4):482–4

Köhler's disease of the tarsal navicular: long-term follow-up of 12 cases. Ippolito E, et al. **J Pediatr Orthop** 1984 Aug; 4(4):416–7

Navicular disease and equine insurance. Vogel C. **Vet Rec** 1984 Jul 28;115(4):89

[A rare case of bilateral osteochondrosis of the first cuneiform bone] Scarfi' G, et al. **Arch Putti Chir Organi Mov** 1983; 33:447–9 (Eng. Abstr.) (Ita)

[Dysplasia epiphysialis hemimelica] Padovani G, et al. **Chir Organi Mov** 1982–83;68(1):109–11 (Eng. Abstr.) (Ita)

ABNORMALITIES

The relative incidence of tarsal coalition. Stormont DM, et al. **Clin Orthop** 1983 Dec;(181):28–36

Tarsal coalition. Case report and review of literature. Berkey SF, et al. **J Am Podiatry Assoc** 1984 Jan;74(1):31–7

Surgical treatment of the symptomatic accessory navicular. Macnicol MF, et al. **J Bone Joint Surg [Br]** 1984 Mar; 66(2):218–26

Evaluation of tarsal coalition by computed tomography. Stoskopf CA, et al. **J Pediatr Orthop** 1984 May;4(3):365–9

[Primary synostosis of the tarsus in children. Apropos of 32 cases in 20 patients] Dutoit M, et al. **Rev Chir Orthop** 1984; 70(3):231–43 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Variations in the articular facets of the adult cuneiform bones. Ajmani ML, et al. **Anthropol Anz** 1984 Jun;42(2):121–6

A simplified metatarsus adductus angle. Engel E, et al. **J Am Podiatry Assoc** 1983 Dec;73(12):620–8

The surgical anatomy of the rearfoot. Part I: The greater tarsus. McCarthy DJ, et al. **J Am Podiatry Assoc** 1983 Dec; 73(12):607–19

The surgical anatomy of the rearfoot. Part II: The lesser tarsus. McCarthy DJ, et al. **J Am Podiatry Assoc** 1984 Jan; 74(1):1–12

INJURIES

Isolated dorsomedial dislocation of the first ray at the medial cuneonavicular joint of the foot: a rare injury to the tarsus. A case report. Dines DM, et al. **Clin Orthop** 1984 Jun; (186):162–4

Nutcracker fracture of the foot. A case report. Kavros SJ, et al. **J Am Podiatry Assoc** 1983 Oct;73(10):527–8

Subtalar dislocation. Literature review and case report. Sharit FE, et al. **J Am Podiatry Assoc** 1984 Aug;74(8):386–9

Fracture and dislocation of the middle cuneiform. A case report. Smith JS Jr, et al. **J Am Podiatry Assoc** 1984 Aug; 74(8):406–10

Central tarsal bone fractures in the racing Greyhound: a review of 114 cases. Boudrieau RJ, et al. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1486–91

Treatment of central tarsal bone fractures in the racing Greyhound. Boudrieau RJ, et al. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1492–500

[Results of the treatment of fractures of the tarsal scaphoid bone] Mestdagh H, et al. **Rev Chir Orthop** 1984;70 Suppl 2:159–62 (Fre)

[Fractures of the tarsus and metatarus in children—diagnosis, treatment, results] Hahn M, et al. **Zentralbl Chir** 1984; 109(1):23–8 (Eng. Abstr.) (Ger)

[Treatment of inveterated dislocations and dislocation fractures of the foot bones by a distraction method] Giul'nazarova SV, et al. **Vestn Khir** 1984 Jan;132(1):95–7 (Rus)

PATHOLOGY

Pathological changes in the navicular bone and associated structures of the horse. Doige CE, et al. **Can J Comp Med** 1983 Oct;47(4):387–95

Tarsal disintegration (T.D.) in leprosy. Kulkarni VN, et al. **Lepr India** 1983 Apr;55(2):338–70

[Podotrochlosis—significance and incidence of X-ray-determined changes in the navicular bone] Ueltschi G. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1; 96(9):308–10 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Ankle and subtalar arthrography. Pavlov H. **Clin Sports Med** 1982 Mar;1(1):47–69

Radiographic anatomy of the tarsal bones. Rhea JT, et al. **Med Radiogr Photogr** 1983;59(1):2–8

Giant cell tumor of tarsal bones. Report of three cases and review of the literature. Mechlin MB, et al. **Skeletal Radiol** 1984;11(4):266–70

[Bone densitometry: using the axial Isotom tomograph on healthy and diseased navicular bone in horses in vitro] Diehl M, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):305–7 (Eng. Abstr.) (Ger)

[Determination of bone age in the 1st year of life using measurements of tarsal bone nuclei] Berger G, et al. **Padiatr Grenzgeb** 1983;22(4):263–9 (Eng. Abstr.) (Ger)

SURGERY

The surgical anatomy of the rearfoot. Part II: The lesser tarsus. McCarthy DJ, et al. **J Am Podiatry Assoc** 1984 Jan; 74(1):1–12

TRANSPLANTATION

Revised tarsectomy for correction of relapsed clubfoot. Burns AE. **J Foot Surg** 1984 Jul–Aug;23(4):275–8

TARSAL JOINT

Dorsal prominence of the first metatarsal-cuneiform joint in children. Targum CJ, et al. **J Foot Surg** 1983 Summer; 22(2):92–6 (10 ref.)

Case report 264: diabetic neuropathic disorder (osteoneuropathy), with bilateral Lisfranc fracture-dislocations of feet. Hennessy O. **Skeletal Radiol** 1984;11(2):155–7

Infectious (septic) arthritis of the distal intertarsal and tarsometatarsal joint in cattle. Merkens HW, et al. **Vet Rec** 1984 Mar 3;114(9):212–3

INJURIES

Tarsometatarsal joint dislocation or fracture dislocation. Shen CW, et al. **Chin Med J [Engl]** 1983 Jul;96(7):517–21

Lisfranc dislocations: fractures and/or dislocations through the tarso-metatarsal joints. Hesp WL, et al. **Injury** 1984 Jan;15(4):261–6

Triple fracture-dislocation of the lower limb. Malimson PD. **Injury** 1984 Jul;16(1):11–2

Anterior calcaneal process fractures. Recognition and treatment. Duddy RK, et al. **J Am Podiatry Assoc** 1984 Aug;74(8):398–401

Fracture and dislocation of the middle cuneiform. A case report. Smith JS Jr, et al. **J Am Podiatry Assoc** 1984 Aug; 74(8):406–10

Delayed open reduction of Lisfranc's joint dislocation. Cooper WE, et al. **J Foot Surg** 1983 Spring;22(1):45–9

Subtalar dislocation in rheumatoid arthritis [letter] Gonzalez-Lanza M, et al. **J Rheumatol** 1984 Feb;11(1):113

[Habitual talus luxation and its surgical treatment—a case report] Ziegler R. **Beitr Orthop Traumatol** 1983 Sep; 30(9):480–2 (Eng. Abstr.) (Ger)

[Treatment of inveterated dislocations and dislocation fractures of the foot bones by a distraction method] Giul'nazarova SV, et al. **Vestn Khir** 1984 Jan;132(1):95–7 (Rus)

PHYSIOLOGY

A kinematical analysis of the tarsal joints. An X-ray photogrammetric study. van Langelaan EJ. **Acta Orthop Scand [Suppl]** 1983;204: 1–269

Subtalar joint neutral. A study using tomography. Bailey DS, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):59–64

Planal dominance. Green DR, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):98–103

[Sub-astragalar articulation: functional approach using load imprints] Le Floch-Prigent P. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):117–26 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Quantitative analysis of the locking position of the midtarsal joint. Phillips RD, et al. **J Am Podiatry Assoc** 1983 Oct; 73(10):518–22

RADIOGRAPHY

Relationship between clinical synovitis and radiological destruction, in rheumatoid arthritis. Luukkainen R, et al. **Clin Rheumatol** 1983 Sep;2(3):223–6

Radiological examination of post-adjuvant polyarthritis in steroid-treated or allogeneic pregnant mice. Bubak-Satora M, et al. **Folia Biol (Krakow)** 1983;31(4):365–72

A radiopaque-labeling technique to visualize the distribution of local anesthesia. Goldman F, et al. **J Foot Surg** 1983 Winter;22(4):329–31

[Contrasted joints of the tarsus in health subjects] Velsman IuA, et al. **Vestn Rentgenol Radiol** 1984 May-Jun;(3):37–42 (Eng. Abstr.) (Rus)

SURGERY

[Experience with the surgical treatment of congenital clubfoot in children by the Shturm method] Kapitanaki AL, et al. **Vestn Khir** 1984 May;132(5):91–3 (Eng. Abstr.) (Rus)

TARSAL TUNNEL SYNDROME

[The tarsal tunnel syndrome. Definition, diagnosis and therapy] Stöhr C, et al. **MMW** 1983 Aug 5;125(31):701–2 (Ger)

DIAGNOSIS

The tarsal tunnel syndrome. DeLisa JA, et al. **Muscle Nerve** 1983 Nov-Dec;6(9):664–70

ETIOLOGY

Tarsal tunnel syndrome. Radin EL. **Clin Orthop** 1983 Dec;(181):167–70

Tarsal tunnel syndrome: a manifestation of systemic disease. Oloff LM, et al. **J Foot Surg** 1983 Winter;22(4):302–7

[Tarsal tunnel syndrome caused by granulomatous arteritis of an artery supplying the posterior tibial nerve. Apropos of a case] Augereau B, et al. **J Chir (Paris)** 1984 Jan;121(1):23–4 (Eng. Abstr.) (Fre)

PATHOLOGY

Tibial nerve branching in the tarsal tunnel. Dellon AL, et al. **Arch Neurol** 1984 Jun;41(6):645–6

THERAPY

The anterior tarsal syndrome. Report of four cases. Gessini L, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):786–7

TARSUS, ANIMAL see under **HINDLIMB**

TARTRATES

Bismuth staining of a nucleolar protein. Gas N, et al. **Exp Cell Res** 1984 Apr;151(2):447–57

A cleavable cross-linking reaction for protein carboxyl groups. Renthal R. **Int J Pept Protein Res** 1983 Aug;22(2):144–7

ADMINISTRATION & DOSAGE

Effect of topical application of stannous fluoride, stannous chloride and stannous tartrate on rat caries. Rölla G, et al. **Scand J Dent Res** 1983 Oct;91(5):351–5

ADVERSE EFFECTS

Patch test reactions to aluminium. Meding B, et al. **Contact Dermatitis** 1984 Feb;10(2):107

ANTAGONISTS & INHIBITORS

[Morphologic findings in the liver in hairy cell leukemia. Simultaneous contribution to the detection of tartrate-resistant acid phosphatase-positive cells in the liver] Grouls V, et al. **Pathologe** 1984 Jan;5(1):37–42 (Ger)

METABOLISM

Intranuclear aluminum accumulation in chronic animals with experimental neurofibrillary changes. Uemura E. **Exp Neurol** 1984 Jul;85(1):10–8

PHARMACODYNAMICS

Tartrate-resistant acid phosphatase as a differentiation marker for the human mononuclear phagocyte system. Radzun HJ, et al. **Hematol Oncol** 1983 Oct-Dec;1(4):321–7

Human saliva and taste responses to acids varying in anions, titratable acidity, and pH. Norris MB, et al. **Physiol Behav** 1984 Feb;32(2):237–44

[Leukemia with positive reactions to tartrate-resistance acid phosphatase] Katayama I, et al. **Rinsho Byori** 1983 Jul;31(7):706–11 (8 ref.) (Jpn)

TARTRAZINE see under **AZO COMPOUNDS**

TASK PERFORMANCE AND ANALYSIS

Effect of environmental temperature on display monitoring performance: an overview with practical implications. Hancock PA. **Am Ind Hyg Assoc J** 1984 Feb;45(2):122–6

Workload, space, and personnel of microbiology laboratories in teaching hospitals. Elin RJ, et al. **Am J Clin Pathol** 1984 Jul;82(1):78–84

Audioverification of small datasets. Maclure M, et al. **Am J Epidemiol** 1983 Nov;118(5):779–80

A national task analysis of infection control practitioners, 1982. Part One: methodology and demography. McArthur BJ, et al. **Am J Infect Control** 1984 Apr;12(2):88–95

A national task analysis of infection control practitioners, 1982. Part Two: Tasks, knowledge, and abilities for practice. Shannon R, et al. **Am J Infect Control** 1984 Jun;12(3):187–96

Degrees of specificity in task analysis. Crist K, et al. **Am J Ment Defic** 1984 Jul;89(1):67–74

Stimulus functions in response chaining. Thvedt JE, et al. **Am J Ment Defic** 1984 May;88(6):661–7

The representation of mental activities in critical path networks. Schweickert RJ. **Ann NY Acad Sci** 1984;423:82–95

Noise: effect and aftereffect. Gawron VJ. **Ergonomics** 1984 Jan;27(1):5–18

A task difficulty—G stress experiment. Repperger DW, et al. **Ergonomics** 1984 Feb;27(2):161–76

Factors affecting the speed of acquisition of tabulated information from visual displays. Swanston MT, et al. **Ergonomics** 1984 Mar;27(3):321–30

A comparison of rating scale, secondary-task, physiological, and primary-task workload estimation techniques in a simulated flight task emphasizing communications load. Casali JG, et al. **Hum Factors** 1983 Dec;25(6):623–41

Time utilisation pattern of medical officers in Primary Health Centres of Pondicherry. Narayan KA, et al. **Indian J Med Res** 1984 Mar;79:451–5

Labor time code for assembling and microwave heating menu items in a hospital galley. Ridley SJ, et al. **J Am Diet Assoc** 1984 Jun;84(6):648–54

Time management: reducing the biocommunicator's stress. Rydesky MM. **J Biocommun** 1983 Dec;10(4):13–8

Procedure development. A simplified approach. Griffith J, et al. **J Nurs Adm** 1984 Sep;14(9):27–32

Analysis of eye fixations during the diagnostic interpretation of chest radiographs. de Valk JP, et al. **Med Biol Eng Comput** 1984 Jul;22(4):353–60

A comparison of physical image quality indices and observer performance in the radiographic detection of nylon beads. Loo LN, et al. **Phys Med Biol** 1984 Jul;29(7):837–56

Dual task performance measures in geriatric studies. Tinklenberg JR, et al. **Psychopharmacol Bull** 1984 Summer;20(3):441–4

Timeliness of care in the emergency department. Wilbert CC. **QRB** 1984 Apr;10(4):99–108

[Division of working hours of health personnel] Kutěj B, et al. **Cesk Zdrav** 1983 Nov;31(11):476–82 (Eng. Abstr.) (Cze)

[Effects of alcohol drinking on mental task performance] Misawa T, et al. **Sangyo Igaku** 1983 Sep;25(5):406–14 (Eng. Abstr.) (Jpn)

[Effectiveness of the complex introduction of scientific work organization into therapeutic-preventive institutions] Minakov VF. **Sov Zdravookhr** 1983;(9):6–12 (Eng. Abstr.) (Rus)

[Worktime expenditures by epidemiologists] Spotarenko SS, et al. **Sov Zdravookhr** 1983;(7):24–7 (Rus)

[Physiologic evaluation of possibilities of processing increasing volumes of visual information by human operators] Gorbunov VV, et al. **Zh Vyssh Nerv Deiat** 1983 Nov-Dec;33(6):1028–33 (Eng. Abstr.) (Rus)

TASTE

A robust, brief measure of an individual's most preferred level of salt in an ordinary foodstuff. Booth DA, et al. **Appetite** 1983 Dec;4(4):301–12

Effects of pharmacologic reductions in salivary flow on taste thresholds in man. Christensen CM, et al. **Arch Oral Biol** 1984;29(1):17–23

Potentiation of a conditioned taste aversion in preweanling and adult rats. Kucharski D, et al. **Behav Neural Biol** 1984 Jan;40(1):44–57

One-trial long-lasting food-aversion learning in wild Japanese monkeys (Macaca fuscata). Matsuzawa T, et al. **Behav Neural Biol** 1983 Nov;39(2):155–9

The effect of electroconvulsive shock on the attenuation of taste-aversion conditioning produced by flavor preexposure. Misanin JR, et al. **Behav Neural Biol** 1984 May;41(1):30–40

Area postrema lesions in rats enhance the magnitude of body rotation-induced conditioned taste aversions. Ossenkopp KP. **Behav Neural Biol** 1983 May;38(1):82–96

Stimulus generalization of conditioned taste aversion in rats. Richardson R, et al. **Behav Neural Biol** 1984 May;41(1):41–53

Developmental flavor experience affects utilization of odor, not taste in toxiphobic conditioning. Rusiniak KW, et al. **Behav Neural Biol** 1983 Nov;39(2):160–80

Taste aversion learning: simulation of interference with the gustatory cue during conditioning. Shaw N. **Behav Neural Biol** 1983 Jul;38(2):307–12

A learned change of response to inedible food in Aplysia. Susswein AJ, et al. **Behav Neural Biol** 1983 Sep;39(1):1–6

Alternating ingestive and aversive consummatory responses suggest a two-dimensional analysis of palatability in rats. Berridge KC, et al. **Behav Neurosci** 1983 Aug;97(4):563–73

Pavlovian drug-sickness pairings result in the conditioning of an antisickness response. Lett BT. **Behav Neurosci** 1983 Oct;97(5):779–84

Taste familiarity and apomorphine-induced taste aversions in humans. Cannon DS, et al. **Behav Res Ther** 1983;21(6):669–73

Taste-aversion retention: an animal experiment with implications for consummatory-aversion alcoholism treatments. Elkins RL. **Behav Res Ther** 1984;22(2):179–86

Attempts to produce taste-aversion learning in rats exposed to 60-Hz electric fields. Creim JA, et al. **Bioelectromagnetics** 1984;5(2):271–82

Can malt whisky be discriminated from blended whisky? The proof. A modification of Sir Ronald Fisher's hypothetical tea tasting experiment. Chadwick SJ, et al. **Br Med J [Clin Res]** 1983 Dec 24-31;287(6409):1912–5

Relative palatability of liquid enteral feeds [letter] Hall MJ. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):982

Maintenance of chorda tympani salt taste responses after nerve transection in rats. Kitada Y, et al. **Brain Res** 1984 Jun 4;302(1):163–70

Developmental changes in taste responses from glossopharyngeal nerve in sheep and comparisons with chorda tympani responses. Mistretta CM, et al. **Brain Res** 1983 Dec;313(1):107–17

Ion dependence of the eel taste response to amino acids. Yoshii K, et al. **Brain Res** 1983 Nov 28;280(1):63–7

Electrophysiology of taste-mediated functions in parabrachial nuclei of behaving rabbit. Schwartzbaum JS. **Brain Res Bull** 1983 Jul;11(1):61–89

Response characteristics of rat taste cells to potassium benzoate. Sato T, et al. **Comp Biochem Physiol [A]** 1983;76(4):777–81

Instrumental determination of flavor stability of fatty foods and its correlation with sensory flavor responses. Waltking AE, et al. **CRC Crit Rev Food Sci Nutr** 1983;19(2):99–132 (135 ref.)

The influence of age and experience on salt preference of the rat. Midkiff EE, et al. **Dev Psychobiol** 1983 Sep;16(5):385–94

Methods for evaluating the taste of paediatric formulations in children: a comparison between the facial hedonic method and the patients' own spontaneous verbal judgement. Sjövall J, et al. **Eur J Pediatr** 1984 Feb;141(4):243–7

Location and taste responses of parabrachio-thalamic relay neurons in rats. Ogawa H, et al. **Exp Neurol** 1984 Mar;83(3):507–17

Taste thresholds for tryptophan in seven nonhuman primate species. Hobi G, et al. **Folia Primatol (Basel)** 1983;41(1-2):124–8

Taste aversion learning and perinatal methylmercury exposure in mice [letter] Shimai S, et al. **Ind Health** 1984;22(1):41–4

Taste responses to saltiness of experimentally prepared tomato juice samples. Little AC, et al. **J Am Diet Assoc** 1984 Sep;84(9):1022–7

Role of micro-organisms in biltong flavour development. Prior BA. **J Appl Bacteriol** 1984 Feb;56(1):41–5

Salt taste and hypertension: a critical review of the literature. Mattes RD. **J Chronic Dis** 1984;37(3):195–208 (110 ref.)

Central projections of gustatory nerves in the rat. Hamilton RB, et al. **J Comp Neurol** 1984 Feb 1;222(4):560–77

The overlearning-extinction effect and successive negative contrast in honeybees (Apis mellifera). Couvillon PA, et al. **J Comp Psychol** 1984 Mar;98(1):100–9

Effects of novelty and familiarity on illness-induced aversions to food and place cues in coyotes (Canis latrans). Ellins SR, et al. **J Comp Psychol** 1983 Dec;97(4):302–9

A failure to find socially mediated taste aversion learning in Norway rats (R. norvegicus). Galef BG Jr, et al. **J Comp Psychol** 1983 Dec;97(4):358–63

Taste thresholds, taste preferences, and dental caries in 15-year-olds. Nilsson B, et al. **J Dent Res** 1983 Oct;62(10):1069–72

Effect of varying sucrose concentration on macrobehavioral aspects of licking in the rat. Fagen JW, et al. **J Gen Psychol** 1983 Oct;109(2d Half):181–7

One-trial reward learning in the snail Lymnea stagnalis. Alexander J Jr, et al. **J Neurobiol** 1984 Jan;15(1):67–72

Lateral hypothalamic modulation of the gustatory-salivary reflex in rats. Matsuo R, et al. **J Neurosci** 1984 May;4(5):1208–16

Discriminability of regular, light, and alcoholic and nonalcoholic near beer. Cox WM, et al. **J Stud Alcohol** 1983 May;44(3):494–8

Studies in canine olfaction, taste and feeding. **Neurosci Biobehav Rev** 1984 Summer;8(2):169–263

Effects of concentration and temperature on gustatory persistence. Calviño AM. **Percept Mot Skills** 1984 Apr;58(2):647–50

The construction and prediction of psychophysical power functions for the sweetness of equiratio sugar mixtures. Frijters JE, et al. **Perception** 1983;12(6):753–67

Gustatory responses to nongustatory stimuli. O'Mahony M. **Perception** 1983;12(5):627–33

Alternative explanations for procedural effects on magnitude-estimation exponents for taste, invoking adaptation, context, and volume effects. O'Mahony M. **Perception** 1984;13(1):67–73

Taste and nicotine as determinants of voluntary tobacco use by hamsters. Ksir C. **Pharmacol Biochem Behav** 1983 Oct; 19(4):605–8

Relative singularity/mixedness judgements for selected taste stimuli. O'Mahony M, et al. **Physiol Behav** 1983 Dec; 31(6):749–55

Recall of a previously acquired conditioned taste aversion in rats following lesions of the area postrema. Rabin BM, et al. **Physiol Behav** 1984 Mar;32(3):503–6

Sucrose and polysaccharide induced obesity in the rat. Sclafani A, et al. **Physiol Behav** 1984 Feb;32(2):169–74

Reciprocal overshadowing in flavour-aversion learning. Bond NW. **Q J Exp Psychol [B]** 1983 Nov;35 (Pt 4):265–74

Alcohol-ingestive habits. The role of flavor and effect. Sherman J, et al. **Recent Dev Alcohol** 1984;2:59–79

Taste at weaning: strategies facilitating appropriate food selection by non-primate mammals. Geyer LA, et al. **World Rev Nutr Diet** 1983;41:232–54 (117 ref.)

[Contribution of linoleic acid to the bitter taste of poppy seeds (Papaver somniferum)] Grosch W, et al. **Z Lebensm Unters Forsch** 1984 Apr;178(4):257–9 (Eng. Abstr.) **(Ger)**

[Taste sensitivity to phenylthiocarbamide in Bedouin of South Sinai] Ben-David Y, et al. **Harefuah** 1983 Aug; 105(3–4):57–8 (Eng. Abstr.) **(Heb)**

[Objective evaluation of the aroma and taste of Bulgarian sour milk] Kondratenko M, et al. **Vopr Pitan** 1984 Mar-Apr;(2):63–5 (Eng. Abstr.) **(Rus)**

[Formation of taste aversions in the rat] Perkova EO. **Zh Vyssh Nerv Deiat** 1984 Mar-Apr;34(2):237–42 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Reduction of sodium taste threshold during treatment with captopril in essential hypertension. Fyhrquist F, et al. **Acta Med Scand [Suppl]** 1983;677:141–2

Use of taste repellants and emetics to prevent accidental poisoning of dogs. Houpt K, et al. **Am J Vet Res** 1984 Aug;45(8):1501–3

Effect of local 6-OHDA and 5,6-DHT injections into the rat olfactory bulb on neophobia and learned aversion to a novel food. Royet JP, et al. **Behav Brain Res** 1983 Dec; 10(2–3):297–309

Latent inhibition following systemic DSP4: effects due to presence and absence of contextual cues in taste-aversion learning. Archer T, et al. **Behav Neural Biol** 1983 Jul; 38(2):287–306

Interference in food aversion conditioning by reducing drug dose or conditioning trials. Fenner DP, et al. **Behav Neural Biol** 1984 Jan;40(1):114–8

Effect of pairings of pentobarbital with lithium chloride on the capacity of pentobarbital to maintain a conditioned aversion. Martin GM. **Behav Neural Biol** 1983 Sep; 39(1):145–8

Thyrotropin-releasing hormone (TRH) potentiates pentobarbital-based flavor aversion learning. Taukulis HK. **Behav Neural Biol** 1983 Sep;39(1):135–9

Effects of cholecystokinin on taste preference and sensitivity in rats. Gosnell BA, et al. **Behav Neurosci** 1984 Jun; 98(3):452–60

Enhancement of taste responses to acids by calcium ions. Nagahama S, et al. **Comp Biochem Physiol [A]** 1984; 77(1):63–6

Impairment of taste and olfaction in patients with cirrhosis: the role of vitamin A. Garrett-Laster M, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):203–14

Discriminative structural analysis using pattern recognition techniques in the structure-taste problem of perillartines. Takahashi Y, et al. **J Pharm Sci** 1984 Jun;73(6):737–41

The recovery period of the taste responses of rat chorda tympani after application of toothpaste. Toyono Y, et al. **J Toxicol Sci** 1983 May;8(2):133–40

Behavioral toxicological assessment of oral pralidoxime methanesulfonate in the rat. Liu WF, et al. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):121–7

Taste of salt on a low sodium diet. **Nutr Rev** 1983 Sep; 41(9):274–6 (3 ref.)

The effects of LiCl preexposure on amphetamine-induced taste aversions: an assessment of blocking. Ford KA, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):643–5

Pharmacologically specific pretreatment effects on apomorphine-mediated conditioned taste aversions in rats. Pratt JA, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):507–11

Temporal analysis of naloxone attenuation of morphine-induced taste aversion. Van der Kooy D, et al. **Pharmacol Biochem Behav** 1977 Jun;6(6):637–41

Cholecystokinin-induced suppression of feeding: an evaluation of the generality of gustatory-cholecystokinin interactions. Bartness TJ, et al. **Physiol Behav** 1984 Mar; 32(3):409–15

Early exposure to sugars influences the sugar preference of the adult rat. Marlin NA. **Physiol Behav** 1983 Nov; 31(5):619–23

Contingent and non-contingent actions of sucrose and saccharin reinforcers: effects on taste preference and memory. Messier C, et al. **Physiol Behav** 1984 Feb; 32(2):195–203

Gustatory reaction time to various salt solutions in human adults. Yamamoto T, et al. **Physiol Behav** 1984 Jan; 32(1):49–53

Differential aversive stimulus properties of beta-phenylethylamine and of d-amphetamine. Greenshaw AJ, et al. **Psychopharmacology (Berlin)** 1984;82(3):189–93

Taste aversion learning in preweanling rats exposed to alcohol prenatally. Riley EP, et al. **Teratology** 1984 Jun; 29(3):325–31

[Taste sensitivity for phenylthiocarbamide among the population of western Kazakhstan] Kasenov KU. **Genetika (Moskva)** 1984 Apr;20(4):702–4 (Eng. Abstr.) **(Rus)**

[Atropine blocking of the inhibitory effect of cholecystokinin on the drinking reflex in the rat] Serova ON. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):584–5 **(Rus)**

PHYSIOLOGY

The relationship between electrode area and sensory qualities in electrical human tongue stimulation. Ajduković D. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1–2):152–7

Subjective response to cigarette smoking following airway anesthetization. Rose JE, et al. **Addict Behav** 1984; 9(2):211–5

Zinc nutriture in the elderly in relation to taste acuity, immune response, and wound healing. Sandstead HH, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1046–59 (115 ref.)

Clinical evaluation of taste. Bartoshuk LM, et al. **Am J Otolaryngol** 1983 Jul-Aug;4(4):257–60

Tasting and smelling as active, exploratory sensory processes. Halpern BP. **Am J Otolaryngol** 1983 Jul-Aug;4(4):246–9 (33 ref.)

The gustatory system in mammals. Norgren R. **Am J Otolaryngol** 1983 Jul-Aug;4(4):234–7 (35 ref.)

Chemical senses in the release of gastric and pancreatic secretions. Brand JG, et al. **Annu Rev Nutr** 1982;2:249–76 (147 ref.)

Effects of an overfeeding regimen--the affective component of the sweet sensation. Fantino M, et al. **Appetite** 1983 Sep; 4(3):155–64

Vagotomy abolishes the differential palatability of food. Louis-Sylvestre J, et al. **Appetite** 1983 Dec;4(4):295–9

Endophinergic modulation of acceptability of putative reinforcers. Siviy SM, et al. **Appetite** 1983 Dec;4(4):249–57

Off-vertical rotation produces conditioned taste aversion and suppressed drinking in mice. Fox RA, et al. **Aviat Space Environ Med** 1984 Jul;55(7):632–5

Cortical spreading depression and conditioned taste aversion: an attempt to resolve a controversy. Davis JL, et al. **Behav Neural Biol** 1983 Mar;37(2):338–43

Gastrointestinal reactivity in rats lacking anterior insular neocortex. Lasiter PS. **Behav Neural Biol** 1983 Sep; 39(1):149–54

Uterine position and conditioned taste aversion. Babine AM, et al. **Behav Neurosci** 1984 Jun;98(3):461–6

Sodium depletion enhances salt palatability in rats. Berridge KC, et al. **Behav Neurosci** 1984 Aug;98(4):652–60

Taste agnosia following gustatory neocortex ablation: dissociation from odor and generality across taste qualities. Kiefer SW, et al. **Behav Neurosci** 1984 Aug;98(4):590–608

Preoperative latent place learning preserves salt appetite following damage to the central gustatory system. Paulus RA, et al. **Behav Neurosci** 1984 Feb;98(1):146–51

Biochemical studies of taste sensation. XI. Isolation, characterization and taste ligand binding activity of plasma membranes from catfish taste tissue. Cagan RH, et al. **Biochim Biophys Acta** 1984 Jun 29;799(3):230–7

Neuropeptides are present in projection neurones at all levels in visceral and taste pathways: from periphery to sensory cortex. Mantyh PW, et al. **Brain Res** 1984 May 14; 299(2):297–312

Gustatory neural responses in three different strains of mice. Ninomiya Y, et al. **Brain Res** 1984 Jun 8;302(2):305–14

Mechanism of the water response in carp gustatory receptors: independent generation of the water response from the salt response. Yoshii K, et al. **Brain Res** 1983 Nov 21; 279(1–2):185–91

Anatomical evidence for convergence of olfactory, gustatory, and visceral afferent pathways in mouse cerebral cortex. Shipley MT, et al. **Brain Res Bull** 1984 Mar; 12(3):221–6

Parabrachial nuclei damage in infant rats produces residual deficits in gustatory preferences/aversions and sodium appetite. Hill DL, et al. **Dev Psychobiol** 1983 Nov; 16(6):519–33

Ontogenesis of learning: I. Variation in the rat's reflexive and learned responses to gustatory stimulation. Vogt MB, et al. **Dev Psychobiol** 1984 Jan;17(1):11–33

Studies on gustatory responses of amygdaloid neurons in rats. Azuma S, et al. **Exp Brain Res** 1984;56(1):12–22

Responsiveness of solitario-parabrachial relay neurons to taste and mechanical stimulation applied to the oral cavity in rats. Ogawa H, et al. **Exp Brain Res** 1984;54(2):349–58

Receptive fields of solitario-parabrachial relay neurons responsive to natural stimulation of the oral cavity in rats. Ogawa H, et al. **Exp Brain Res** 1984;54(2):359–66

Functional relations between the cortical gustatory area and the amygdala: electrophysiological and behavioral studies in rats. Yamamoto T, et al. **Exp Brain Res** 1984;56(1):23–31

Peptide interactions with taste receptors: overlap in taste receptor specificity. Cagan RH. **Experientia** 1984 Aug 15; 40(8):843–4

Hepatic-vagal and gustatory afferent interactions in the brainstem of the rat. Hermann GE, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):477–95

Cytoarchitecture and topographic projections of the gustatory centers in a teleost, Carassius carassius. Morita Y, et al. **J Comp Neurol** 1983 Aug 20;218(4):378–94

Anatomy of the gustatory system in the hamster: central projections of the chorda tympani and the lingual nerve. Whitehead MC, et al. **J Comp Neurol** 1983 Nov 10; 220(4):378–95

The active ion transport properties of canine lingual epithelia in vitro. Implications for gustatory transduction. Desimone JA, et al. **J Gen Physiol** 1984 May;83(5):633–56

Nerve fibers sensitive to ionic taste stimuli in chorda tympani of the rat. Frank ME, et al. **J Neurophysiol** 1983 Oct; 50(4):941–60

Development of taste responses in rat nucleus of solitary tract. Hill DL, et al. **J Neurophysiol** 1983 Oct;50(4):879–95

Gustatory responses of cortical neurons in rats. I. Response characteristics. Yamamoto T, et al. **J Neurophysiol** 1984 Apr;51(4):616–35

Conditioned taste aversions modify neural responses in the rat nucleus tractus solitarius. Chang FC, et al. **J Neurosci** 1984 Jul;4(7):1850–62

Physical model approach to taste studies of drugs and pharmaceutical formulations. Ho NF. **J Pharm Sci** 1984 May;73(5):600–3

Ethological models in research into the neural mechanisms of short-term memory. Bureš J, et al. **J Physiol (Paris)** 1982–83;78(9):870–1

Taste threshold and acceptability of commercial diets in cancer patients. Gallagher P, et al. **JPEN** 1983 Jul-Aug; 7(4):361–3

Zinc metabolism and taste acuity in renal transplant recipients. Mahajan SK, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S310–4

Improvement of uremic neuropathy and hypogeusia by dialysate zinc supplementation: a double-blind study. Sprenger KB, et al. **Kidney Int [Suppl]** 1983 Dec;16:S315–8

Taste and smell in disease [letter] **N Engl J Med** 1983 Oct 27;309(17):1062–3

Sex differences in taste aversion learning: an analysis of the minimal effective dose. Dacanay RJ, et al. **Neurobehav Toxicol Teratol** 1984 Jan-Feb;6(1):9–11

Ohrwall, Henning and von Skramlik; the foundations of the four primary positions in taste. Erickson RP. **Neurosci Biobehav Rev** 1984 Spring;8(1):105–27

Gustatory nerve response to sugars in neonatal puppies. Ferrell F. **Neurosci Biobehav Rev** 1984 Summer;8(2):185–90

Effects of restricted dietary flavor experience before weaning on postweaning food preference in puppies. Ferrell F. **Neurosci Biobehav Rev** 1984 Summer;8(2):191–8

Studies in canine olfaction, taste and feeding: a summing up and some comments on the academic-industrial relationship. Griffin RW, et al. **Neurosci Biobehav Rev** 1984 Summer;8(2):261–3

Two different receptor sites for Ca2+ and Na+ in frog taste responses. Kitada Y. **Neurosci Lett** 1984 Jun 1;47(1):63–8

Evidence that taste aversion learning induced by l-5-hydroxytryptophan is mediated peripherally. Ervin GN, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):799–802

Efficacy of choice testing to predict chronic ingestion of drinking solutions adulterated with chemicals. Kallman MJ, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):195–200

Synthetic progestins and sweetness preference in intact female Sprague-Dawley rats. Dippel RL, et al. **Physiol Behav** 1983 Sep;31(3):347–51

Blood glucose selectively affects taste-evoked activity in rat nucleus tractus solitarius. Giza BK, et al. **Physiol Behav** 1983 Nov;31(5):643–50

Human saliva and taste responses to acids varying in anions, titratable acidity, and pH. Norris MB, et al. **Physiol Behav** 1984 Feb;32(2):237–44

Operant licking in rabbits for intraoral injection of basic types of tastants. Schwartzbaum JS. **Physiol Behav** 1983 Oct; 31(4):445–51

Salt taste transduction occurs through an amiloride-sensitive sodium transport pathway. Heck GL, et al. **Science** 1984 Jan 27;223(4634):403–5

[Olfacto-gustatory factors in spatial perception in patients with severe visual disorders] Kolín J, et al. **Cesk Otolaryngol** 1984 Apr;33(2):99–102 (Eng. Abstr.) **(Cze)**

[Differentiated effect of the qualities of sweet and sour on parotid secretion] Kemmer T, et al. **Res Exp Med (Berl)** 1983;183(1):35–46 (Eng. Abstr.) **(Ger)**

[Improvement of compliance with a low-sodium diet using salt-substitute dietary products] Montenero P. **Minerva Cardioangiol** 1984 Jan-Feb;32(1–2):41–44 (Eng. Abstr.) **(Ita)**

[Electrogustometric examination of diabetic patients and normal individuals with and without fixed and removable dental prostheses. A clinico-statistical contribution] Borgogna E, et al. **Minerva Stomatol** 1983 Nov-Dec; 32(6):817–9 (Eng. Abstr.) **(Ita)**

[Electrogustometric studies in multiple sclerosis] Betkowski A, et al. **Otolaryngol Pol** 1984;38(1):25–8 (Eng. Abstr.) **(Pol)**

[Evaluation of the electrogustometric studies in patients with diabetic polyneuropathy] Argasińska K, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):405–7 **(Pol)**

[Pathophysiologic role of the level of taste sensitivity to table salt and its determination during treatment of hypertension with diuretics] Nekrasova AA, et al.

Biull Vsesoiuznogo Kardiol Naucha Tsentra AMN SSSR 1984;7(1):68–72 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Effects of dose and of partial body ionizing radiation on taste aversion learning in rats with lesions of the area postrema. Rabin BM, et al. Physiol Behav 1984 Jan;32(1):119–22

TASTE BUDS

ANATOMY & HISTOLOGY

Taste bud papillae on the retromolar mucosa of the rat, mouse and golden hamster. Iida M, et al. Acta Anat (Basel) 1983; 117(4):374–81

The gustatory system in mammals. Norgren R. Am J Otolaryngol 1983 Jul–Aug;4(4):234–7 (35 ref.)

On the presence, structure and probable functional role of taste buds located on the laryngeal surface of the epiglottis in some domestic animals. Palmieri G, et al. Arch Anat Histol Embryol (Straub) 1983;66:55–66

Ultrastructural and histochemical changes in the frog taste organ following denervation. Toyoshima K, et al. Arch Histol Jpn 1984 Mar;47(1):31–42

Topographical difference in taste organ density and its sensitivity of frog tongue. Sato T, et al. Comp Biochem Physiol [A] 1983;76(2):233–9

Quantitative study of taste buds in fungiform and cir umvallate papillae of young and aged rats. Mistretta CM, et al. J Anat 1984 Mar;138 (Pt 2):323–32

Taste bud morphology in the fetal and neonatal dog. Ferrell F. Neurosci Biobehav Rev 1984 Summer;8(2):175–83

Quantitative taste bud distribution in the hamster. Miller IJ Jr, et al. Physiol Behav 1984 Feb;32(2):275–85

CYTOLOGY

Biochemical studies of taste sensation. XI. Isolation, characterization and taste ligand binding activity of plasma membranes from catfish taste tissue. Cagan RH, et al. Biochim Biophys Acta 1984 Jun 29;799(3):230–7

Fine structure of monoamine-containing basal cells in the taste buds on the barbels of three species of teleosts. Toyoshima K, et al. Cell Tissue Res 1984;235(3):479–84

Monoamine-containing cells in the denervated frog's taste organ. A fluorescence histochemical study. Hirata K. Fukuoka Igaku Zasshi 1984 Jan;75(1):21–33

[Subsequent data on the cellular characterization of the epithelium of the gustatory plate of the fungiform papillae of the tongue in the frog] Sapelli PL, et al. Bull Group Int Rech Sci Stomatol Odontol 1983 Nov; 26(3):99–119 (Eng. Abstr.) (Fre)

[Morphological changes in different cells of the taste bud] Chelyshev IuA, et al. Biull Eksp Biol Med 1984 Mar; 97(3):362–4 (Eng. Abstr.) (Rus)

DRUG EFFECTS

[Chemosensitive neuronal responses of the lateral hypothalamus in rats to simultaneous stimulation of the taste and viscero-chemoreceptors] Li IuS. Fiziol Zh SSSR 1983 Dec;69(12):1556–62 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Fetal development of primate chemosensory corpuscles. II. Synaptic relationships in early gestation. Zahm DS, et al. J Comp Neurol 1983 Sep 1;219(1):36–50

ENZYMOLOGY

Thyroid hormone inhibits purified taste bud membrane adenosine 3',5'-monophosphate phosphodiesterase activity. Law JS, et al. Res Commun Chem Pathol Pharmacol 1984 Mar;43(3):449–62

Bovine taste bud cyclic adenosine 3', 5' monophosphate phosphodiesterase is inhibited by divalent metal ions. Law JS, et al. Res Commun Chem Pathol Pharmacol 1983 Sep; 41(3):455–72

METABOLISM

An autoradiographic study of the taste bud following injections of labeled biogenic amine precursors. Takeda M, et al. J Electron Microsc (Tokyo) 1983;32(4):357–60

Salt taste transduction occurs through an amiloride-sensitive sodium transport pathway. Heck GL, et al. Science 1984 Jan 27;223(4634):403–5

[Interaction of leucine with the plasma membranes of catfish taste buds] Shelko LM, et al. Mol Biol (Mosk) 1983 Nov–Dec;17(6):1220–6 (Eng. Abstr.) (Rus)

PHYSIOLOGY

The relationship between electrode area and sensory qualities in electrical human tongue stimulation. Ajdukovič D. Acta Otolaryngol (Stockh) 1984 Jul–Aug;98(1–2):152–7

Mechanism of the water response in carp gustatory receptors: independent generation of the water response from the salt response. Yoshii K, et al. Brain Res 1983 Nov 21; 279(1–2):185–91

Regeneration of taste buds after surgical excision of human vallate papilla. Ferrell F, et al. Exp Neurol 1984 Feb; 83(2):429–35

Peptide interactions with taste receptors: overlap in taste receptor specificity. Cagan RH. Experientia 1984 Aug 15; 40(8):843–4

RADIATION EFFECTS

Effects of gamma-rays on the taste buds of embryos and adults of the fish Oryzias latipes. Ghoneum MM, et al. J Radiat Res (Tokyo) 1983 Sep;24(3):278–83

ULTRASTRUCTURE

Ultrastructure and monoamine precursor uptake of taste buds in the pharynx, nasopalatine ducts, epiglottis and larynx of the mouse. Suzuki Y, et al. Kaibogaku Zasshi 1983 Dec; 58(6):593–605

New details of the ultrastructure (TEM, SEM) of taste buds in fishes. Jakubowski M. Z Mikrosk Anat Forsch 1983; 97(5):849–62

TASTE DISORDERS

CHEMICALLY INDUCED

Persistent captopril-associated taste alteration [letter] Grosskopf I, et al. Clin Pharm 1984 May–Jun;3(3):235

[Reversible ageusia during cefacetril therapy (letter)] Mall T, et al. Dtsch Med Wochenschr 1983 Nov 4;108(44):1698 (Ger)

[Ageusia as a secondary manifestation of treatment with D-penicillamine] Gutiérrez Fuentes JA, et al. Rev Clin Esp 1984 Feb 15;172(3):149–51 (Eng. Abstr.) (Spa)

CLASSIFICATION

A classification of dysgeusia. Markley EJ, et al. J Am Diet Assoc 1983 Nov;83(5):578–80

COMPLICATIONS

Primary pontine hemorrhage and gustatory disturbance: clinicoanatomic study. Goto N, et al. Stroke 1983 Jul–Aug; 14(4):507–11

DIAGNOSIS

Clinical evaluation of taste. Bartoshuk LM, et al. Am J Otolaryngol 1983 Jul–Aug;4(4):257–60

Clinical testing of taste and olfaction. Lawless H, et al. Trans Pa Acad Ophthalmol Otolaryngol 1983 Fall; 36(2):190–6

[Clinical electrogustometry] Novotný M, et al. Cesk Otolaryngol 1983 Nov;32(6):348–54 (Eng. Abstr.) (Cze)

[Electrogustometric studies in multiple sclerosis] Betkowski A, et al. Otolaryngol Pol 1984;38(1):25–8 (Eng. Abstr.) (Pol)

ETIOLOGY

Clinical problems in chemosensory disturbances. Snow JB Jr. Am J Otolaryngol 1983 Jul–Aug;4(4):224–7

Association between malnutrition and caloric intake, emesis, psychological depression, glucose taste, and tumor mass. Bruera E, et al. Cancer Treat Rep 1984 Jun;68(6):873–6

[The disordered sense of taste] Fritzmeier F. ZFA (Stuttgart) 1983 Oct 20;59(29):1608–13 (Ger)

TASTE THRESHOLD see under TASTE

TATTOOING

Tattoos speak for soldiers [letter] Waltz G. Am J Orthopsychiatry 1984 Jul;54(3):505

An analytical electron microscopic study of a corneal tattoo. Olander K, et al. Ann Ophthalmol 1983 Nov;15(11):1046–9

Q-switched Ruby laser treatment of black tattoos. Reid WH, et al. Br J Plast Surg 1983 Oct;36(4):455–9

Tattoo removal using a liquid nitrogen cryospray. Colver GB, et al. Clin Exp Dermatol 1984 Jul;9(4):364–6

Tattoos: light and transmission electron microscopy studies with X-ray microanalysis. Slater DN, et al. Clin Exp Dermatol 1984 Mar;9(2):167–73

Significance of tattooes in narcotic abusers. Buhrich N. Drug Alcohol Depend 1983 Jun;11(3–4):389–94

Lemon juice, sunlight, and tattoos. Chapel JL, et al. Int J Dermatol 1983 Sep;22(7):434–5

Dermabrasion for the management of traumatic tattoos. Notaro WA. J Dermatol Surg Oncol 1983 Nov;9(11):916–8

Salabrasion [letter] Saal B. J Dermatol Surg Oncol 1984 Jul; 10(7):506

Focal salabrasion for removal of linear tattoos. Shelley WB, et al. J Dermatol Surg Oncol 1984 Mar;10(3):216–8

Tattoo removal using serial tangential excision and polyurethane membrane dressing. Wheeland RG, et al. J Dermatol Surg Oncol 1983 Oct;9(10):822–6

Melanoma in a tattoo of the breast. Lee YT, et al. J Surg Oncol 1984 Feb;25(2):100–1

Patient's evaluation of argon laser therapy of port wine stain, decorative tattoo, and essential telangiectasia. Dixon JA, et al. Lasers Surg Med 1984;4(2):181–90

[Detattooing] Pasturel A, et al. Ann Chir Plast Esthet 1984; 29(1):69–73 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Reactions in tattoos [letter] Clemons DE. J Dermatol Surg Oncol 1984 Jan;10(1):20

Schoolchildren who tattoo themselves [letter] Lancet 1984 Jan 7;1(8367):46–7

[A case of diffuse, granulomatous interstitial pneumonia due to tatoo] Okuma T, et al. Nippon Kyobu Shikkan Gakkai Zasshi 1983 Dec; 21(12):1213–21 (Eng. Abstr.) (Jpn)

[Partial hyper-IgE syndrome] Cartasegna MI, et al. Allergol Immunopathol (Madr) 1983 May–Jun;11(3):139–46 (Eng. Abstr.) (Spa)

PSYCHOLOGY

The psychodynamics of tattooing: a review. Fried RI. Cleve Clin Q 1983 Summer;50(2):239–42

Self-tattooing by schoolchildren. Thomson W, et al. Lancet 1983 Nov 26;2(8361):1243–4

Medical memories—tattoos: the last short arm inspection conducted by the Army. Felts JH. NC Med J 1984 Apr; 45(4):255–6

[Tattooing and initiation] Bezaury JP, et al. Neuropsychiatr Enfance Adolesc 1983 Aug–Sep; 31(8–9):424–6 (Fre)

[A case of tattoo removal] Wacjman C. Neuropsychiatr Enfance Adolesc 1983 Aug–Sep; 31(8–9):426–7 (Fre)

TAURINE

ADMINISTRATION & DOSAGE

Effect of taurine supplementation on hepatic function during short-term parenteral nutrition in the premature infant. Cooke RJ, et al. J Pediatr Gastroenterol Nutr 1984 Mar; 3(2):234–8

ANALOGS & DERIVATIVES

Mechanisms of the inhibitory cardiovascular effects of taurine and homotaurine. Paakkari P, et al. Acta Med Scand [Suppl] 1983;677:134–7

Effect of glutaurine on liver tumour development and acute leukaemia induced by MC29 virus in turkey poults. Nagy K, et al. Acta Microbiol Hung 1983;30(1):37–42

Effect of intraventricular administration of glutaurine on norepinephrine, dopamine and serotonin turnover in different brain regions in rats. Feuer L, et al. Acta Physiol Hung 1983;61(3):163–7

Hypotaurine transport in mouse brain synaptosomal preparations. Kontro P. Acta Physiol Scand 1983 May; 118(1):57–60

Taurine, hypotaurine, epinephrine and albumin inhibit lipid peroxidation in rabbit spermatozoa and protect against loss of motility. Alvarez JG, et al. Biol Reprod 1983 Oct; 29(3):548–55

Homotaurine: a GABAB antagonist in guinea-pig ileum. Giotti A, et al. Br J Pharmacol 1983 Aug;79(4):855–62

Anion transport heterogeneity detected by flow cytometric measurement of NBD-taurine efflux kinetics. Muirhead KA, et al. Cytometry 1984 May;5(3):268–74

Glutaurine enhances the depressed NK cell activity of tumor patients. Láng I, et al. Immunol Commun 1983 Oct; 12(5):519–27

Taurocyamine-utilizing mutants from a wild-type strain of Pseudomonas. Yorifuji T, et al. J Appl Biochem 1983 Dec; 5(6):375–81

Effects of the transport site conformation on the binding of external NAP-taurine to the human erythrocyte anion exchange system. Evidence for intrinsic asymmetry. Knauf PA, et al. J Gen Physiol 1984 May;83(5):683–701

Effect of guanidinoethane sulfonate on taurine uptake by rat retina. Quesada O, et al. J Neurosci Res 1984;11(2):179–86

Synthesis and anticonvulsant properties of some 2-aminoethanesulfonic acid (taurine) derivatives. Andersen L, et al. J Pharm Sci 1984 Jan;73(1):106–8

omega-Aminosulfonic acids as depressant or excitant compounds: their effect on the behavior and electroencephalogram of young chickens. Horisaka K. J Pharmacobiodyn 1983 Jul;6(7):505–11

Effects of omega-aminosulfonic acids on lipid metabolism in dietary hyperlipidemic rats. Yamada J, et al. J Pharmacobiodyn 1983 Jun;6(6):373–80

Mutual interactions in the transport of taurine, hypotaurine, and GABA in brain slices. Kontro P, et al. Neurochem Res 1983 Nov;8(11):1377–87

In vitro studies of guanidinoethyl sulfonate and taurine transport in the rat retina. Lake N, et al. Neurochem Res 1983 Dec;8(12):1557–63

Free amino acids and the uptake and binding of taurine in the central nervous system of rats treated with guanidinoethanesulphonate. Marnela KM, et al. Neuroscience 1984 May;12(1):323–8

[Effect of Litoralon therapy on the lymphocytotoxicity in patients with malignant tumors] Láng I, et al. Orv Hetil 1984 Sep 2;125(36):2193–6 (Eng. Abstr.) (Hun)

ANALYSIS

Analysis of individual bile acids and their glycine/taurine conjugates by high-performance thin-layer chromatography and densitometry. Robb TA, et al.

Ann Clin Biochem 1984 Mar;21 (Pt 2):137–40
Determinations of taurine in milk and infant formula diets. Erbersdobler HF, et al. **Eur J Pediatr** 1984 Jun;142(2):133–4
Fluorometric estimation of taurine in tissue extracts and biological fluids. Datta SC, et al. **Ital J Biochem** 1983 Sep–Oct;32(5):297–305
Quantitative gas–liquid chromatography of taurine. Kataoka H, et al. **J Chromatogr** 1984 Mar 9;306:61–8
Changes in maternal taurine levels in response to pregnancy and lactation. Stipanuk MH, et al. **Life Sci** 1984 Sep 10; 35(11):1149–55
Changes in intracellular taurine content of human leukemic cells. Wakayama K, et al. **Nagoya J Med Sci** 1983 Jun; 45(3–4):89–96
Taurine in hearts and bodies of embryonic through early postpartum CF1 mice. Quilligan CJ, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):143–50
[Developmental changes in taurine and other sulfur–containing amino acid concentrations in fetal and neonatal rats] Akahori S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):384–90 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

TAG antagonises the central cardiovascular effects of taurine. Bousquet P, et al. **Eur J Pharmacol** 1984 Feb 17; 98(2):269–73
The antagonistic action of 6–aminomethyl–3–methyl–4H,1,2, 4–benzothiadiazine–1,1–dioxide (TAG) on the prolactin–releasing action of taurine. Ondo JG. **Life Sci** 1984 Aug 6;35(6):679–83

BIOSYNTHESIS

Alteration of cerebral taurine biosynthesis in spontaneously hypertensive rats. Kuriyama K, et al. **J Neurochem** 1984 Jun;42(6):1600–6
[Enzymatic synthesis of taurine] De Simone F, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1590–5 (Eng. Abstr.) **(Ita)**

BLOOD

Oral glutamate loading in disorders with spinocerebellar and extrapyramidal involvement: effect on plasma glutamate, aspartate and taurine. Plaitakis A, et al. **J Neural Transm [Suppl]** 1983;19:65–74
Concentrations of glycine– and taurine–conjugated bile acids in portal and systemic venous serum in man. Linnet K, et al. **Scand J Gastroenterol** 1984 Jun;19(4):575–8

DEFICIENCY

Decreased plasma taurine levels in retinitis pigmentosa. Uma SM, et al. **Biochem Med** 1983 Aug;30(1):49–52
Retinal degeneration relating to taurine deficiency in a cat. Neumann SM. **Mod Vet Pract** 1984 May;65(5):381, 384

METABOLISM

Efflux of taurine from bovine cerebral cortex synaptosomes: homo– and hetero–trans–stimulation. Korpi ER, et al. **Acta Physiol Scand** 1983 Aug;118(4):441–3
Binding of taurine to brain synaptic membranes. Kontro P, et al. **Adv Biochem Psychopharmacol** 1983;37:23–34
Epidermal taurine transport in marine mussels. Wright SH, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R346–55
The effect of 3–sulphation and taurine conjugation on the uptake of chenodeoxycholic acid by rat hepatocytes. Bartholomew TC, et al. **Biochim Biophys Acta** 1983 Nov 1;754(1):101–9
Sodium–dependent uptake of taurine in encapsulated Staphylococcus aureus strain M. Bieber EJ, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):127–35
Uptake of [3H]taurine into medium–size neurons and into identified striatonigral neurons in the rat neostriatum. Clarke DJ, et al. **Brain Res** 1983 Dec 19;289(1–2):342–8
Characteristics of taurine release from cerebral cortex slices induced by sodium–deficient media. Korpi ER, et al. **Brain Res** 1983 Dec 19;289(1–2):197–204
Interaction between bile acids and staphylococcal polysaccharide: inhibition of capsule formation in encapsulated mutant strains (taurine+, taurine–) of Staphylococcus aureus. Ohtomo T. **Can J Microbiol** 1983 Dec;29(12):1653–60
Characteristics of taurine transport in rat hepatocytes in primary culture. Ohkuma S, et al. **Cell Biochem Funct** 1984 Apr;2(2):71–7
Sodium–independent taurine binding to brain synaptic membranes. Kontro P, et al. **Cell Mol Neurobiol** 1983 Jun; 3(2):183–7
Cell volume regulation in fish heart ventricles with special reference to taurine. Vislie T. **Comp Biochem Physiol [A]** 1983;76(3):507–14
Taurine uptake processes in the isolated rabbit retina and the effects of light. Dawson C, et al. **Exp Eye Res** 1984 Jun;38(6):533–46
Distribution of taurine in the crystalline lens of vertebrate species and in cataractogenesis. Gupta K, et al. **Exp Eye Res** 1983 Oct;37(4):379–84
Studies on synthesis and uptake of taurine in rat lens in vitro. Gupta K, et al. **Exp Eye Res** 1983 Oct;37(4):385–91
Taurine binding by rat retinal membranes. Lombardini JB, et al. **Exp Eye Res** 1983 Sep;37(3):239–50
Distribution of 35S–taurine in rat neonates and adults. A whole–body autoradiographic study. Shimada M, et al. **Histochemistry** 1984;80(3):225–30
Artificial release of 3H–taurine after electrical stimulation of retinae. Schulze E, et al. **Int J Neurosci** 1983 Oct; 21(1–2):15–23
Presynaptic binding of amino acids: characterization of the binding and dissociation properties of taurine, GABA, glutamate, tyrosine and norleucine. Turpeenoja L, et al. **Int J Neurosci** 1983 Dec;22(1–2):99–106
Survey of taurine uptake and metabolism in Staphylococcus aureus. Smiley DW, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2421–8
Evidence for an hereditary defect in taurine transport in the ciliary epithelium of an inbred strain of rabbits. Harris TM, et al. **J Inherited Metab Dis** 1983;6(4):163–6
In vitro osmoregulation of taurine in fetal mouse hearts. Atlas M, et al. **J Mol Cell Cardiol** 1984 Apr;16(4):311–20
A possible interrelationship between extracellular taurine and phosphoethanolamine in the hippocampus. Lehmann A, et al. **J Neurochem** 1984 May;42(5):1286–90
Effect of membrane polyunsaturation on carrier–mediated transport in cultured retinoblastoma cells: alterations in taurine uptake. Yorek MA, et al. **J Neurochem** 1984 Jan; 42(1):254–61
Taurine uptake by chick embryo retinal neurons and glial cells in purified culture. Adler R. **J Neurosci Res** 1983; 10(4):369–79
Effect of guanidinoethane sulfonate on taurine uptake by rat retina. Quesada O, et al. **J Neurosci Res** 1984;11(2):179–86
Role of taurine in feeding the low–birth–weight infant. Okamoto E, et al. **J Pediatr** 1984 Jun;104(6):936–40
Taurine in human milk: growth modulator or conditionally essential amino acid? Gaull GE. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S266–71
Insulin facilitates formation of taurine–conjugated bile acids—analysis using primary cultured hepatocytes. Ohkuma S, et al. **Jpn J Pharmacol** 1984 Apr;34(4):475–9
Taurine metabolism in experimental renal failure. Michalk DV, et al. **Kidney Int [Suppl]** 1983 Nov;15:S16–21
Taurine uptake by cultured human lymphoblastoid cells. Tallan HH, et al. **Life Sci** 1983 Nov 7;33(19):1853–60
Mutual interactions in the transport of taurine, hypotaurine, and GABA in brain slices. Kontro P, et al. **Neurochem Res** 1983 Nov;8(11):1377–87
In vitro studies of guanidinoethyl sulfonate and taurine transport in the rat retina. Lake N, et al. **Neurochem Res** 1983 Dec;8(12):1557–63
Taurine depletion of lactating rats: effects of developing pups. Lake N. **Neurochem Res** 1983 Jul;8(7):881–7
Calcium chelators enhance the efflux of taurine from brain slices. Korpi ER, et al. **Neuropharmacology** 1984 Mar; 23(3):377–80
In vivo effects of nipecotic acid on levels of extracellular GABA and taurine, and hippocampal excitability. Lerma J, et al. **Neuropharmacology** 1984 May;23(5):595–8
Free amino acids and the uptake and binding of taurine in the central nervous system of rats treated with guanidinoethanesulphonate. Marnela KM, et al. **Neuroscience** 1984 May;12(1):323–8
Release of labelled taurine from the rat dorsal medulla and cerebellum in vivo. Bernardi N, et al. **Pflugers Arch** 1984 Jun;401(2):193–7
Inhibitory effect of triethyltin on taurine transport by glioma cells. Martin DL, et al. **Toxicol Appl Pharmacol** 1983 Nov; 71(2):155–62
[Placental transport of taurine in brush border microvilli] Moriyama IS, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;36(7):1080–6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of taurine on tolerance to and dependence on morphine in mice. Contreras E, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):224–31
Hypoglycemic properties of taurine: not mediated by enhanced insulin release. Kulakowski EC, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2835–8
Taurine, hypotaurine, epinephrine and albumin inhibit lipid peroxidation in rabbit spermatozoa and protect against loss of motility. Alvarez JG, et al. **Biol Reprod** 1983 Oct; 29(3):548–55
Protection by oral pretreatment with taurine against the negative inotropic effects of low–calcium medium on isolated perfused chick heart. Sawamura A, et al. **Cardiovasc Res** 1983 Oct;17(10):620–6
Possible involvement of taurine and GABA in morphine–like peptide actions. Izumi K, et al. **Int J Neurol** 1980; 14(2–4):253–68
Taurine modulation of the benzodiazepine–gamma–aminobutyric acid receptor complex in brain membranes. Medina JH, et al. **J Neurochem** 1984 May;42(5):1212–7
Photochemical damage in the albino rat retina: oral taurine has no effect on DNA and protein loss from severely damaged photoreceptor cells. Voaden MJ, et al. **J Neurochem** 1984 Feb;42(2):582–3
Taurine– and penicillin–induced epileptic activity. Alvarez A, et al. **J Neurosci Res** 1984;11(2):187–92
Antagonistic effects of taurine and 4–aminopyridine on guinea pig ileum. Arzate ME, et al. **J Neurosci Res** 1984; 11(3):271–80
Protective effect of taurine and zinc on peroxidation–induced damage in photoreceptor outer segments. Pasantes–Morales H, et al. **J Neurosci Res** 1984;11(3):303–11
Inhibition of cholinergic response by taurine in frog isolated skeletal muscle. Lehmann A, et al. **J Pharm Pharmacol** 1984 Jan;36(1):59–61
Effect of taurine on depolarizations induced by L–glutamate and other excitatory amino acids in the isolated spinal cord of the frog. Kurachi M, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1247–54
Influences of taurine on functions of rat neutrophils. Masuda M, et al. **Jpn J Pharmacol** 1984 Jan;34(1):116–8
Pretreatment with taurine facilitates hepatic lipid peroxide formation associated with carbon tetrachloride intoxication. Nakashima T, et al. **Jpn J Pharmacol** 1983 Jun;33(3):515–23
Effects of taurine and a taurine antagonist on some respiratory and cardiovascular parameters. Wessberg P, et al. **Life Sci** 1983 Oct 24;33(17):1649–55
Effect of taurine on a benzodiazepine–GABA–chloride ionophore receptor complex in rat brain membranes. Iwata H, et al. **Neurochem Res** 1984 Apr;9(4):535–44
Brain protein synthesis rates are not sensitive to elevated GABA, taurine, or glycine. Toth E, et al. **Neurochem Res** 1984 Feb;9(2):173–9
Further evidence of the antiarrhythmic efficacy of taurine in the rat heart. Hernández J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Feb;43(2):343–6
[Modulatory effects of taurine on the release of acetylcholine from the central nervous system of an insect, the cockroach (Periplaneta americana L.)] Hue B, et al. **J Pharmacol** 1984 Jan–Mar;15(1):65–78 (Eng. Abstr.) **(Fre)**
[Effects of taurine or cyclic GMP in intraocular irrigating solutions on phagocytic activity of cultured chick retinal pigment epithelial cells] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):760–7 (Eng. Abstr.) **(Jpn)**
[Effects of melatonin, taurine and phagocytic reaction on cyclic AMP and cyclic GMP concentrations in cultured chick retinal pigment epithelial cells] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):52–7 (Eng. Abstr.) **(Jpn)**
[Adenylate cyclase and guanylate cyclase activities in plasma membrane fraction of cultured retinal pigment epithelial cells from chick embryo: effects of melatonin, taurine and latex beads] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):203–7 (Eng. Abstr.) **(Jpn)**
[Possible regulation by taurine of the intracellular potassium levels in hepatocytes and erythrocytes of irradiated rats] Mashkova NIu, et al. **Radiobiologiia** 1983 Nov–Dec; 23(6):758–60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Taurine in metabolism. Hayes KC, et al. **Annu Rev Nutr** 1981; 1:401–25 (142 ref.)

TOXICITY

Mechanisms of the inhibitory cardiovascular effects of taurine and homotaurine. Paakkari P, et al. **Acta Med Scand [Suppl]** 1983;677:134–7

URINE

Urinary excretion of taurine in epilepsy. Rao A, et al. **Acta Neurol Scand** 1983 Dec;68(6):421–3

TAURINE CHOLATE see **TAUROCHOLIC ACID**

TAUROCHENODEOXYCHOLIC ACID see under **CHENODEOXYCHOLIC ACID**

TAUROCHOLATE see **TAUROCHOLIC ACID**

TAUROCHOLIC ACID

[Effect of conjugated bile acid on solubility of excess CACO3 in bile acid–lecithin–cholesterol solution] Makino I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jun;80(6):1350 **(Jpn)**

ADMINISTRATION & DOSAGE

Jaundice and the effect of sodium taurocholate taken orally upon abdominal wound healing. Askew AR, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):207–9

ANALOGS & DERIVATIVES

Differing effects of hydroxy–7–oxotaurine–conjugated bile acids on bile flow and biliary lipid secretion in dogs. Danzinger RG, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G166–72
Taurocholate, but not taurodehydrocholate, increases biliary permeability to sucrose. Reichen J, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G651–5
A comparison between the use of a shadow shield whole body counter and an uncollimated gamma camera ain the assessment of the seven–day retention of SeHCAT. Hames TK, et al. **Br J Radiol** 1984 Jul;57(679):581–4
Retention of 75Se–homotaurocholic acid measured by a low–background whole–body counter. Centi–Colella A, et al. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):309–12

[Comparative studies of various methods of measuring bile acid secretion using 75Se-labelled homotaurocholic acid (75Se-HCAT)] Freundlieb O, et al. **Nuklearmedizin** 1983 Oct;22(5):258–61 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Histamine and gastric mucosa [letter] Rees WD. **Dig Dis Sci** 1984 Jul;29(7):683–4

DIAGNOSTIC USE

A new method to measure portal and hepatic blood flow using taurocholate in the rat. Corbic M, et al. **Hepatology** 1984 Jan–Feb;4(1):112–5

METABOLISM

Specificity of an Na+ –dependent taurocholate transport site in isolated rat hepatocytes. Hardison WG, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G477–83

Hepatocyte taurocholic acid uptake in the regression of ethinyl estradiol cholestasis. Preliminary results. Chiarantini E. **Boll Soc Ital Biol Sper** 1984 Mar 30; 60(3):523–7

Differential effects of hypoxia on the disposition of propranolol and sodium taurocholate by the isolated perfused rat liver. Jones DB, et al. **Hepatology** 1984 May–Jun;4(3):461–6

Relation between glutathione redox changes and biliary excretion of taurocholate in perfused rat liver. Akerboom TP, et al. **J Biol Chem** 1984 May 10;259(9):5838–43

A new method for the rapid isolation of basolateral plasma membrane vesicles from rat liver. Characterization, validation, and bile acid transport studies. Blitzer BL, et al. **J Biol Chem** 1984 Jul 25;259(14):9295–301

Mechanisms of taurocholate transport in canalicular and basolateral rat liver plasma membrane vesicles. Evidence for an electrogenic canalicular organic anion carrier. Meier PJ, et al. **J Biol Chem** 1984 Aug 25;259(16):10614–22

Two distinct mechanisms for taurocholate uptake in subcellular fractions from rat liver. Simion FA, et al. **J Biol Chem** 1984 Sep 10;259(17):10814–22

(Na,K)-ATPase-mediated cation pumping in cultured rat hepatocytes. Rapid modulation by alanine and taurocholate transport and characterization of its relationship to intracellular sodium concentration. Van Dyke RW, et al. **J Biol Chem** 1983 Nov 10;258(21):12912–9

Direct determination of the driving forces for taurocholate uptake into rat liver plasma membrane vesicles. Duffy MC, et al. **J Clin Invest** 1983 Oct;72(4):1470–81

Taurocholate transport by rat liver canalicular membrane vesicles. Evidence for the presence of an Na+-independent transport system. Inoue M, et al. **J Clin Invest** 1984 Mar; 73(3):659–63

Effect of ethanol on intestinal lipid absorption in the rat. Mansbach CM 2d. **J Lipid Res** 1983 Oct;24(10):1310–20

Characterization of the interaction between estrogen metabolites and taurocholate for uptake into isolated hepatocytes. Lack of correlation between cholestasis and inhibition of taurocholate uptake. Brock WJ, et al. **J Steroid Biochem** 1984 May;20(5):1181–5

PHARMACODYNAMICS

Gastroduodenal alkaline response to acid and taurocholate in conscious dogs. Konturek SJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G149–54

Taurocholate, but not taurodehydrocholate, increases biliary permeability to sucrose. Reichen J, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G651–5

Effect of taurocholate pretreatment on the biliary excretion of exogenous organic anions in rats. Fischer E, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):187–99

Degradation of lysophosphatidylcholine by lysosomes. Stimulation of lysophospholipase C by taurocholate and deficiency in Niemann-Pick fibroblasts. Huterer S, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):1–8

The potentiation of taurocholate-induced rat gastric erosions following parenteral administration of cyclo-oxygenase inhibitors. Whittle BJ. **Br J Pharmacol** 1983 Nov; 80(3):545–51

Effect of taurocholic acid feeding on methyl-nitro-N-nitroso-guanidine induced gastric tumors. Salmon RJ, et al. **Cancer Lett** 1984 Apr;22(3):315–20

Taurocholate accelerates bile canalicular contractions in isolated rat hepatocytes. Miyairi M, et al. **Gastroenterology** 1984 Oct;87(4):788–92

Cholestasis induced by estradiol-17 beta-D-glucuronide: mechanisms and prevention by sodium taurocholate. Adinolfi LE, et al. **Hepatology** 1984 Jan–Feb;4(1):30–7

Evidence for size and charge permselectivity of rat ascending colon. Effects of ricinoleate and bile salts on oxalic acid and neutral sugar transport. Kathpalia SC, et al. **J Clin Invest** 1984 Sep;74(3):805–11

Effects of four taurine-conjugated bile acids on mucosal uptake and lymphatic absorption of cholesterol in the rat. Watt SM, et al. **J Lipid Res** 1984 May;25(5):448–55

Enhancement of maximal bilirubin excretion by bile salts in the anaesthetized rabbit. Esteller A, et al. **Q J Exp Physiol** 1984 Apr;69(2):217–25

Glycoursodeoxycholate is as effective as tauroursodeoxycholate in preventing the taurocholate-induced cholestasis in the rat. Kanai S, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):423–30

Bile salt-induced, acute gastric mucosal damage in man: time course and effect of misoprostol, a PGE1-analogue. Fimmel CJ, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:184–8

Generation of endogenous prostaglandins and thromboxanes in taurocholate-induced gastric mucosal lesions. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984;92:91–6

Role of prostaglandins in alkaline secretion from the gastroduodenal mucosa exposed to acid and taurocholate. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984; 92:69–74

The gastric mucosa in portal hypertension: effects of topical bile acid. Sarfeh IJ, et al. **Scand J Gastroenterol [Suppl]** 1984;92:189–94

[Different effects of taurocholate and ursodeoxycholate on the maximal rate of biliary sulfobromophthalein secretion in hamsters] Delage Y, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):746–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Studies in bile salt solutions. The effect of pH on the cholate and taurocholate stimulation of human milk lipase catalyzed hydrolysis of p-nitrophenylacetate. O'Connor J, et al. **Eur J Biochem** 1984 Jun 1;141(2):379–83

Inhibition of cysteamine-induced duodenal ulcer in the rat by bile diversion. Enhancement of the ulcerogenic effect of cysteamine by taurocholic and glycocholic acids. Clémençon GH, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):13–6

SECRETION

Induction of taurocholate release from isolated rat hepatocytes in suspension by alpha-adrenergic agents and vasopressin: implications for control of bile salt secretion. Gewirtz DA, et al. **Hepatology** 1984 Mar–Apr;4(2):205–12

TOXICITY

Experimental pancreatitis in the rat. Ductal factors in sodium taurocholate-induced acute pancreatitis. Aho HJ, et al. **Exp Pathol** 1984;25(2):73–9

Bile acid-induced gastric mucosal injury: significance of portal hypertension and mucosal capillary permeability. Maeda R, et al. **J Surg Res** 1984 Apr;36(4):312–4

TAURODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

TAUROLITHOCHOLIC ACID see under **LITHOCHOLIC ACID**

TAXES

Your accounts. Saving, investment, and mortgages after the budget. Hepburn PF. **Br J Hosp Med** 1984 Jun;31(6):445–6

Your accounts. Current topics. Hepburn PF. **Br J Hosp Med** 1984 Jul;32(1):43–4

Influence of an increase in excise duty on alcohol consumption and its adverse effects. Kendell RE, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):809–11

The basics of estate planning. Brown JH. **Colo Med** 1984 Jun;81(6):141–2, 144

New threats to tax-exempt financing of student loan programs [editorial] Cooper JA. **J Med Educ** 1984 Jan; 59(1):64

Comment on 'Alternative Medicare financing sources'. Aaron HJ. **Milbank Mem Fund Q** 1984 Spring;62(2):349–55

Alternative Medicare financing sources. Long SH, et al. **Milbank Mem Fund Q** 1984 Spring;62(2):325–48

Another increase in social security taxes. Block J. **Mod Vet Pract** 1984 Feb;65(2):144–5

Medicare changes in TEFRA effective October 1. Anders GT, et al. **Penn Med** 1983 Jul;86(7):36, 38, 40

LEGISLATION & JURISPRUDENCE

The case for incorporating after TEFRA (1). Kropiewnicki ME, et al. **Conn Med** 1984 Jan;48(1):41–3

A new proposal to reform the tax treatment of health insurance. Enthoven AC. **Health Aff (Millwood)** 1984 Spring;3(1):21–39

Guidelines issued for preserving tax-exempt status. Bernstein AH. **Hospitals** 1984 May 1;58(9):102

Justifying alcohol taxes to public officials. Mosher JF, et al. **J Public Health Policy** 1983 Dec;4(4):422–39

TEFRA and the hospital-based physician. Wilcox DP. **Tex Med** 1983 Jul;79(7):50–1

TRENDS

The continuing threat of tax-exempt competition. Berger AF, et al. **Mod Vet Pract** 1982 May;63(5):421–2

TAY-SACHS DISEASE

BLOOD

Tay-Sachs disease: one-step assay of beta-N-acetylhexosaminidase in serum with a sulphated chromogenic substrate. Fuchs W, et al. **Clin Chim Acta** 1983 Oct 14;133(3):253–61

DIAGNOSIS

Prenatal diagnosis of Tay-Sachs disease with heat-labile beta-hexosaminidase B. Momoi T, et al. **Clin Chim Acta** 1983 Oct 14;133(3):331–4

Diagnosis of Tay-Sachs disease by estimation of beta-N-acetylhexosaminidase activity using a radiolabeled hyaluronic acid-derived trisaccharide substrate. Yutaka T, et al. **Clin Chim Acta** 1984 Feb 28;137(2):159–68

Prenatal diagnosis of Tay-Sachs disease. Reflectometry of hexosaminidase A, B, and C/S bands on zymograms. Kustermann-Kuhn B, et al. **Hum Genet** 1983;65(2):172–5

Diagnosis of Tay-Sachs disease using radiolabelled chondroitin 6-sulphate-derived trisaccharides. Yutaka T, et al. **J Inherited Metab Dis** 1983;6(3):135–6

ENZYMOLOGY

Assay of the GM2-ganglioside cleaving hexosaminidase activity of skin fibroblasts for GM2-gangliosidoses. Harzer K. **Clin Chim Acta** 1983 Nov 30;135(1):89–93

A new form of residual hexosaminidase activity in infantile Tay Sachs disease fibroblasts. Hechtman P, et al. **Clin Genet** 1983 Sep;24(3):206–15

Beta-hexosaminidase isozymes and replacement therapy in Gm2 gangliosidosis. Rattazzi MC. **Isozymes Curr Top Biol Med Res** 1983;11:65–81

Faulty association of alpha- and beta-subunits in some forms of beta-hexosaminidase A deficiency. d'Azzo A, et al. **J Biol Chem** 1984 Sep 10;259(17):11070–4

cDNA clone for the alpha-chain of human beta-hexosaminidase: deficiency of alpha-chain mRNA in Ashkenazi Tay-Sachs fibroblasts. Myerowitz R, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5394–8

FAMILIAL & GENETIC

Selective birth in a case of twins discordant for Tay Sachs disease. Redwine FO, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):35–8

The Tay-Sachs disease gene in North American Jewish populations: geographic variations and origin. Petersen GM, et al. **Am J Hum Genet** 1983 Nov;35(6):1258–69

Tay-Sachs disease and the role of reproductive compensation in the maintenance of ethnic variations in the incidence of autosomal recessive disease. Koeslag JH, et al. **Ann Hum Genet** 1984 Jul;48 (Pt 3):275–81

Clinical and genetic variations in the syndrome of adult GM2 gangliosidosis resulting from hexosaminidase A deficiency. Argov Z, et al. **Ann Neurol** 1984 Jul;16(1):14–20

Computer assisted small-scale Tay-Sachs carrier screening. Toney JH, et al. **J Appl Biochem** 1983 Feb–Apr; 5(1–2):25–30

Thermal activation of hexosaminidase A in a genetic compound with Tay-Sachs disease. Ben-Yoseph Y, et al. **J Inherited Metab Dis** 1983;6(3):95–100

Tay-Sachs disease heterozygote detection in Brazil: comparison between tears and leukocytes as beta-hexosaminidase A source. Buchalter MS, et al. **J Inherited Metab Dis** 1984;7(1):35–7

Tay-Sachs disease and the persistence of lethal autosomal recessive genes in human populations. Koeslag JH, et al. **S Afr Med J** 1984 Jul 21;66(3):87–9 (45 ref.)

[Reconstruction of hexosaminidase isoenzymes during hybridization of fibroblasts from Tay-Sachs and Sandhoff diseases] Beler EM, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):83–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Characterization of some minor gangliosides in Tay-Sachs brains. Yu RK, et al. **Brain Res** 1983 Sep 19;275(1):47–52

Enzyme-linked immunosorbent assay for the ganglioside GM2-activator protein. Screening of normal human tissues and body fluids, of tissues of GM2 gangliosidosis, and for its subcellular localization. Banerjee A, et al. **Hoppe Seylers Z Physiol Chem** 1984 Mar;365(3):347–56

Effect of modification of sialic acid on enzymic hydrolysis of gangliosides GM1 and GM2. Li SC, et al. **J Biol Chem** 1984 May 10;259(9):5409–10

Determinants in the uptake of lysosomal enzymes by cultured fibroblasts. Creek KE, et al. **Methods Enzymol** 1983; 98:290–300

PATHOLOGY

Gangliosidoses and the fetal retina. Cogan DG, et al. **Ophthalmology** 1984 May;91(5):508–12

PHYSIOPATHOLOGY

[Auditory evoked responses of the brain stem in degenerative disease of the brain in children] Miyao M, et al. **No To Hattatsu** 1983 Sep;15(5):402–9 (Eng. Abstr.) **(Jpn)**

TCGF see **MITOGENIC FACTORS, LYMPHOCYTE**

TDE see **DDD**

TEA

see related **THEOPHYLLINE**

Characteristics of a (Na+-K+)-ATPase inhibitor in extracts of tea. Sagnella GA, et al. **Am J Clin Nutr** 1984 Jul;

40(1):36–41
Respiratory function in tea workers. Zuškin E, et al. **Br J Ind Med** 1984 Feb;41(1):88–93
The influence of dietary tea, coffee and cocoa on protein and energy utilization of soya-bean meal and barley in rats. Eggum BO, et al. **Br J Nutr** 1983 Sep;50(2):197–205
Effect of tea on gastric acid secretion. Dubey P, et al. **Dig Dis Sci** 1984 Mar;29(3):202–6
Patterns of caffeine consumption. Shirlow MJ. **Hum Nutr Appl Nutr** 1983 Aug;37(4):307–13
Reduction of chronic psychosocial hypertension in mice by decaffeinated tea. Henry JP, et al. **Hypertension** 1984 May–Jun;6(3):437–44
Anticariogenic effects of tea in rats. Rosen S, et al. **J Dent Res** 1984 May;63(5):658–60
Effect of tea tannin on intestinal movement in vitro. Zhang YG. **J Tradit Chin Med** 1983 Dec;3(4):271–2
The pharmacological characterization of aqueous extracts of vegetable dusts. Zuskin E, et al. **Lung** 1983;161(5):301–6
[Effect of tea pigments on experimental atherosclerosis in rabbits and in treating patients with hyperfibrinogemia] Lou FQ. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):632–4 **(Chi)**
[Renal fluoride secretion following the drinking of black tea] Schmidt CW, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):365–7 **(Ger)**
[Tea as a source of fluorides in the prevention of dental caries in children] Udovitskaia EV, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):73–5 (13 ref.) **(Rus)**

ADVERSE EFFECTS

Consumption of coffee or tea and symptoms of anxiety. Eaton WW, et al. **Am J Public Health** 1984 Jan;74(1):66–8
Fatal veno-occlusive disease of the liver associated with herbal tea consumption and radiation. Fr'jen M. **Aust NZ J Med** 1984 Feb;14(1):61–2
Pancreas cancer and coffee and tea consumption: a case-control study. Kinlen LJ, et al. **Br J Cancer** 1984 Jan; 49(1):93–6
Blood pressure, coffee, tea and tobacco consumption: an epidemiological study in Algiers. Lang T, et al. **Eur Heart J** 1983 Sep;4(9):602–7
[Over indulgence in drinking tea] Niwelinski J. **Dtsch Med Wochenschr** 1983 Sep 30;108(39):1497 **(Ger)**

ANALYSIS

Tea and coffee as sources of some minerals in the New Zealand diet. Gillies ME, et al. **Am J Clin Nutr** 1983 Dec; 38(6):936–42
Correlations between the concentrations of fluoride and some other constituents in tea infusions and their possible dental caries-preventive effect. Speirs RL. **Arch Oral Biol** 1983; 28(6):471–5
Natural antioxidants. I. Antioxidative components of tea leaf (Thea sinensis L.). Tanizawa H, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2011–4
Headspace gas chromatographic determination of methylene chloride in decaffeinated tea and coffee, with electrolytic conductivity detection. Page BD, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):757–61
New aspects on the chemistry of tea and coffee. A short review. Smith RF. **Z Lebensm Unters Forsch** 1984; 178(1):1–4
[Radio-thin layer procedures for the determination of free binding centers for iron and nickel in coffee and tea] Weber G, et al. **J Chromatogr** 1984 Mar 2;285(2):380–4 **(Ger)**
[Types of binding of iron, copper and zinc in various varieties of tea] Weber G, et al. **Z Lebensm Unters Forsch** 1984; 178(2):110–4 (Eng. Abstr.) **(Ger)**

TEACHING

System of testing and evaluation of knowledge. Oblyvač AV, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):149–52
Proposed revision of standards for the certification of teachers of the hearing impaired. **Am Ann Deaf** 1984 Feb; 129(1):52–68
State certification standards and reciprocity for teachers of the hearing impaired. Moulton RD, et al. **Am Ann Deaf** 1983 Aug;128(4):490–8
Emotional abuse in the classroom. The pediatrician's role in diagnosis and treatment. Krugman RD, et al. **Am J Dis Child** 1984 Mar;138(3):284–6
Teacher training in affective education for the primary prevention of adolescent drug abuse. Malvin JH, et al. **Am J Drug Alcohol Abuse** 1984;10(2):223–35
Carel C. Koch memorial lecture: joining hands—educators and clinicians. Barraga NC. **Am J Optom Physiol Opt** 1984 Jul;61(7):437–40
Health promotion for educators: impact on health behaviors, satisfaction, and general well-being. Blair SN, et al. **Am J Public Health** 1984 Feb;74(2):147–9
Use of microcomputers for teaching [letter] Abramowitz M. **Anesthesiology** 1983 Nov;59(5):489–90
Blind nasotracheal intubation: a model for instruction. Iserson KV. **Ann Emerg Med** 1984 Aug;13(8):601–2
Interaction between house staff and attending physicians [editorial] Frame B. **Ann Intern Med** 1982 Mar;96(3):372–3
Characteristics of a successful workshop leader. Manuel BJ. **AORN J** 1984 Jan;39(1):85–6
An assessment of the diabetic knowledge of school teachers. Bradbury AJ, et al. **Arch Dis Child** 1983 Sep;58(9):692–6
DHE in the classroom [letter] Beal JF. **Br Dent J** 1984 May 5;156(9):310–1
DHE in the classroom [letter] Craft M, et al. **Br Dent J** 1984 May 19;156(10):349
External and internal correlates of teachers' satisfaction and willingness to report stress. Smilansky J. **Br J Educ Psychol** 1984 Feb;54 (Pt 1):84–92
Dreaming during scientific papers: effects of added extrinsic material. Harvey RF, et al. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1916–9
Teaching medical ethics. Jewell MD. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):364–5
Approval of trainers and training practices in the Oxford region: evaluation. Schofield TP, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):688–9
A teaching visit to the University of Science and Technology, Kumasi, Ghana. Harmann RR. **Bristol Med Chir J** 1983 Jul;98(367):144–7
Impact of coaching certification on coaching attitudes. Graham RH, et al. **Can J Appl Sport Sci** 1983 Sep; 8(3):180–8
Health interests of schoolchildren, parents and teachers and their application to health education in primary schools. Ross MH, et al. **Cent Afr J Med** 1983 Sep;29(9):185–8
The management of child abuse and neglect cases in schools: the Toronto model. McClare G. **Child Abuse Negl** 1983; 7(1):83–9
A look at corporal punishment and some implications of its use. Wilson FC. **Child Abuse Negl** 1982;6(2):155–64
The child welfare practitioner as university teacher. DiGiulio JF. **Child Welfare** 1982 Jan;61(1):15–23
Mental health referral patterns by family medicine educators. Wise TN, et al. **Compr Psychiatry** 1984 Jul–Aug; 25(4):465–9
Teachers' attitudes toward IEP's: a two-year follow-up. Morgan DP, et al. **Except Child** 1983 Sep;50(1):64–7
Elementary public school teachers' attitudes toward elderly women and men: sex stereotypic? Ortmeyer LE. **Gerontol Geriatr Educ** 1983 Fall;4(1):111–7
Teacher attitude toward the elementary exceptional child. Nader A. **Int J Rehabil Res** 1984 Mar;7(1):37–46
Do nurse educators promote burnout? Farabaugh N. **Int Nurs Rev** 1984 Mar–Apr;31(2):47–8, 52
Aspects of the nurse tutor—student nurse relationship. Stephenson PM. **J Adv Nurs** 1984 May;9(3):283–90
Smoking behavior of prospective teachers: a Nigerian case. Owie I. **J Am Coll Health** 1984 Apr;32(5):205–7
Establishing the need for nutrition education: II. Elementary teachers' nutrition knowledge, attitudes, and practices. Soliah LA, et al. **J Am Diet Assoc** 1983 Oct;83(4):447–53
Stress and strain from family roles and work-role expectations. Cooke RA, et al. **J Appl Psychol** 1984 May; 69(2):252–60
Art of teaching. Ahuja MM, et al. **J Assoc Physicians India** 1983 Oct;31(10):651–3
A method for training endodontic evaluators. del Rio CE, et al. **J Dent Educ** 1983 Dec;47(12):776–8
A factor analysis of students' ratings of clinical teaching. Romberg E. **J Dent Educ** 1984 May;48(5):258–62
Cost-containment teaching with concurrent quality assurance: a model for family practice [editorial] Geyman JP. **J Fam Pract** 1984 Jun;18(6):833–4
Teaching behaviors in the attending-resident interaction. Glenn JK, et al. **J Fam Pract** 1984 Feb;18(2):297–304
Teaching family practice residents to identify and treat battered women. Mandel JB, et al. **J Fam Pract** 1983 Oct; 17(4):708, 712, 715, passim
Teacher-learner contact time in a family practice residency. Schwenk TL, et al. **J Fam Pract** 1984 Apr;18(4):617–8
The teaching of cancer medicine by educational objectives. Bakemeier RF, et al. **J Med Educ** 1984 Jan;59(1):24–32
Teaching and funding of primary care education in third-year clerkships. Berenbaum I, et al. **J Med Educ** 1984 Sep; 59(9):730–8
A small-group instruction experiment in medical education. Brinton DA, et al. **J Med Educ** 1984 Jan;59(1):13–8
Perceptions of instructors and students of instructors' roles. Calkins EV, et al. **J Med Educ** 1983 Dec;58(12):967–9
Lessons for teaching cost containment. McPhee SJ, et al. **J Med Educ** 1984 Sep;59(9):722–9
Physiological aspects of memory related to improvement of teaching a multidisciplinary subject. Powell EW. **J Med Educ** 1984 Jul;59(7):602–4
Assessing the impact of faculty development programs in medical education. Sheets KJ, et al. **J Med Educ** 1984 Sep; 59(9):746–8
Teaching interviewing skills to medical students: the issue of 'countertransference'. Smith RC. **J Med Educ** 1984 Jul; 59(7):582–8
Teaching research methods in schools of nursing. Castles MR. **J Nurs Educ** 1984 Mar;23(3):120–1
Clinical experiences made easy! Chase BM. **J Nurs Educ** 1983 Oct;22(8):347–8
Utilizing a gerontological nursing clinician as a consultant to teach nursing care of aging people. Eigsti DG, et al. **J Nurs Educ** 1984 Mar;23(3):128–9
Educational taxonomies revisited. Hayter J. **J Nurs Educ** 1983 Oct;22(8):339–42
Leadership—what it is and how to teach it. Lawrence SA, et al. **J Nurs Educ** 1984 Apr;23(4):173–6
Burnout and self-actualization in public school teachers. Malanowski JR, et al. **J Psychol** 1984 May;117(1st Half):23–6
Teacher stress and burnout: implications for school health personnel. Belcastro PA, et al. **J Sch Health** 1983 Sep; 53(7):404–7
The effects of a teacher training program in family life and human sexuality on the knowledge and attitudes of public school teachers. Carter JA, et al. **J Sch Health** 1983 Oct; 53(8):459–62
The views of school principals and teachers on the role of the school nurse with handicapped students. Goodwin LD, et al. **J Sch Health** 1984 Mar;54(3):105–9
The long-term effects of human sexuality training programs for public school teachers. Smith PB, et al. **J Sch Health** 1984 Apr;54(4):157–9
Teaching surgical oncology to medical students. Jewell WR, et al. **J Surg Oncol** 1983 Nov;24(3):218–20
Confessions of a nursing instructor. Clarkson JA. **JNE** 1983 Sep;22(7):295–6
'Blood, sweat and tears': coordinating a clinical course. Judd JM. **JNE** 1983 Sep;22(7):299–301
Easy method to teach the landmarks of the tympanic membrane. Janfaza P. **Laryngoscope** 1983 Nov;93(11 Pt 1):1487
The teaching of interviewing skills: comparison of experienced and novice trainers. Fairbairn S, et al. **Med Educ** 1983 Sep;17(5):296–9
Teaching in the clinical setting: factors influencing residents' perceptions, confidence and behaviour. Greenberg LW, et al. **Med Educ** 1984 Sep;18(5):360–5
Congruence between residents' and clinical instructors perceptions of teaching in outpatient care centres. Stritter FT, et al. **Med Educ** 1983 Nov;17(6):385–9
Review of undergraduate small group teaching with television in general practice. Taylor RJ. **Med Educ** 1984 Sep;18(5):343–8
Undergraduate teaching of genetics. Young ID. **Med Educ** 1984 May;18(3):151–4
Using personality style preferences to enhance teaching in obstetrics and gynecology. Irby DM, et al. **Obstet Gynecol** 1984 Sep;64(3):436–9
Disturbing behaviors: comparison of regular and special education teachers. Hutton JB, et al. **Percept Mot Skills** 1984 Jun;58(3):799–802
Diagnostic scale for evaluation of graduate-level teaching assistants. Meredith GM, et al. **Percept Mot Skills** 1983 Oct;57(2):445–6
Classroom teachers' attitudes toward children with articulatory disorders. Ruscello DM, et al. **Percept Mot Skills** 1983 Oct;57(2):527–30
Effectiveness of the clinical instructor. Students' perspective. Emery MJ. **Phys Ther** 1984 Jul;64(7):1079–83
Teaching. A skill in clinical practice. May BJ. **Phys Ther** 1983 Oct;63(10):1627–33
Physical therapists' attitudes toward teaching. Sotosky JR. **Phys Ther** 1984 Mar;64(3):347–50
A qualitative study of teaching rounds in a Department of Medicine. Maxwell JA, et al. **Proc Annu Conf Res Med Educ** 1983;22:192–7
Nutrition and health in the community. Turner S. **Proc Nutr Soc** 1984 Jun;43(2):217–8
Teachers' generalized expectations of children of divorce. Ball DW, et al. **Psychol Rep** 1984 Apr;54(2):347–53
Maslach Burnout Inventory: factor structures for samples of teachers. Belcastro PA, et al. **Psychol Rep** 1983 Oct; 53(2):364–6
Hyperactivity in children: evidence for differences between parents' and teachers' perceptions of predominant features. Christie D, et al. **Psychol Rep** 1984 Jun;54(3):771–4
SI units and radionuclides: teaching problems. Aird EG, et al. **Radiography** 1984 Jul–Aug;50(592):174–6
Nicholas Research Award. Clinical instructors in radiography. 1. A current review. Black P. **Radiography** 1984 Mar–Apr;50(590):27–9
Clinical instructors and training—the student viewpoint. Black P. **Radiography** 1984 Jul–Aug;50(592):159–60
Is the present system of training radiography teachers satisfactory?—2. Killean SA. **Radiography** 1983 Nov; 49(587):268–70
Is the present system of training radiography teachers satisfactory?—1. Whyke M. **Radiography** 1983 Oct; 49(586):239–42
Radiologic technology educators and andragogy. Galbraith MW, et al. **Radiol Technol** 1984 May–Jun;55(5):147–51
The effectiveness of self-instruction versus traditional classroom instruction: a comparison in an associate of science degree program in radiologic technology. Slothus RJ. **Radiol Technol** 1984 Jul–Aug;55(6):239–44
Smoking among schoolteachers in Estonia 1980. Raudsepp J, et al. **Scand J Soc Med** 1984;12(1):49–53
Teaching parents to teach reading. White P, et al. **Spec Educ Forward Trends** 1984 Mar;11(1):11–3
[Administrative measures to promote preference for tuberculin tests for teachers within the scope of paragraph 47 of the Federal Communicable Disease Law] Bolt M. **Prax Klin Pneumol** 1983 Jul;37(7):283–5 (Eng. Abstr.) **(Ger)**
[Rehabilitation in foreign countries. Continuing development of special education in Poland] Hulek A. **Rehabilitation (Stuttg)** 1983 Nov;22(4):169–73 **(Ger)**
[Are teachers at risk with regard to health?] Gräfner L, et

al. **Z Arztl Fortbild (Jena)** 1983;77(22):939–42 **(Ger)**
[New approaches to training and active involvement of medical and teaching students in health education] Knabe H, et al. **Z Arztl Fortbild (Jena)** 1984;78(1):27–9 **(Ger)**
[Triennial experience in group hypnosis therapy and the teaching of medical self–hypnosis] Cancellario M. **Minerva Med** 1983 Dec 30;74(51–52):2985–94 (Eng. Abstr.) **(Ita)**
[Management of epileptic children in the school environment—questionnaires of teachers] Ono M, et al. **No To Hattatsu** 1983 Sep;15(5):410–6 (Eng. Abstr.) **(Jpn)**
[Teaching levels in the discipline of orthodontics at the Lisbon College of Dental Medicine] da Cruz JP. **Rev Port Estomatol Cir Maxilofac** 1983 Oct–Dec; 24(4):479–93 **(Por)**
[Experience in teaching routine sanitary inspection of work–study centers in a health and hygiene department] Lebedeva NT, et al. **Gig Sanit** 1984 May;(5):86–7 **(Rus)**
[Teaching child and adolescent hygiene to students of correspondence courses of pedagogical institutes] Sivkov IG. **Gig Sanit** 1983 Sep;(9):82–3 **(Rus)**
[Various organizational methodologic aspects of surgical instruction during the internship] Kharaberiush VA, et al. **Klin Khir** 1984 Feb;(2):66–8 **(Rus)**
[Basic principles of teaching pediatrics in the therapeutic faculty of medical institutes] Sergeeva KM, et al. **Pediatriia** 1983 Jun;(6):31–4 **(Rus)**
[Teaching problems of deontology in a department of oral surgery] Ermolov VF, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):76 **(Rus)**
[Problem–oriented teaching in dermato–venereology] Tumasheva NI. **Vestn Dermatol Venerol** 1983 Sep;(9):30–1 (Eng. Abstr.) **(Rus)**
[Nutrition, energy consumption and various health status indicators in women engaged in intellectual work] Smoliar VI, et al. **Vopr Pitan** 1984 May–Jun;(3):33–5 (Eng. Abstr.) **(Rus)**
[Deontological aspects in teaching epidemiology in a medical department] Pokrovskil VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):104–6 **(Rus)**
[The teaching–learning process in pediatric nephrology: 25 years' experience] Gordillo–Paniagua G. **Bol Med Hosp Infant Mex** 1984 Apr;41(4):183–5 **(Spa)**
[Workshop on teaching strategic administration in courses in health administration] **Educ Med Salud** 1983;17(2):204–12 **(Spa)**

HISTORY

[The Association for Medical Education in Europe and its influence on the development of medical didactics] Olesińska–Serafin A. **Pol Tyg Lek** 1984 Mar 26;39(13):453–5 **(Pol)**
[History of clinical teaching (on the 275th anniversary of the N. N. Burdenko Chief Military Clinical Hospital)] Borodulin VI, et al. **Klin Med (Mosk)** 1984 Feb;62(2):141–4 **(Rus)**

MANPOWER

The use of trained patient instructors for teaching and assessing rheumatologic care. Gall EP, et al. **Arthritis Rheum** 1984 May;27(5):557–63
Top 10 points for trainers. Durno D. **Br Med J [Clin Res]** 1984 Mar 24;288(6421):909–10
A bandwagon without music: preparing rural special educators. Marrs LW. **Except Child** 1984 Jan;50(4):334–42
Promoting faculty support and participation in geriatric teaching programs. Schimer MR, et al. **Gerontol Geriatr Educ** 1983 Winter;4(2):51–7

METHODS

Use of test of histological details in the teaching of histology. Gaspar S, et al. **Acta Univ Carol [Med] (Praha)** 1983; 29(3–4):217–20
Effective utilization of actual advantages of tests in teaching programmes. Spála M. **Acta Univ Carol [Med] (Praha)** 1983; 29(3–4):255–6
Testing of knowledge used in modular system of teaching and studying medicine; the need for synthetic examinations (experience from Algerian medical faculties). Vokrouhlický L. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):161–2
Effects of home instruction on the physical and motor performance of a clumsy child. Bishop P, et al. **Am Correct Ther J** 1984 Jan–Feb;38(1):6–10
Teaching epidemiology in medical schools: a workable model. Grufferman S, et al. **Am J Epidemiol** 1984 Aug; 120(2):203–9
Incidental teaching of mentally retarded students within a token system. Fabry BD, et al. **Am J Ment Defic** 1984 Jul;89(1):29–36
Relaxation and memory training in 39 elderly patients. Yesavage JA. **Am J Psychiatry** 1984 Jun;141(6):778–81
CPR instruction: modular versus lecture course. Nelson M, et al. **Ann Emerg Med** 1984 Feb;13(2):118–21
Videotape production: an inexpensive way to teach nursing skills. Rollant PD, et al. **AORN J** 1984 Jun;39(7):1136, 1138, 1140
Tooth–tutoring: a pilot study to evaluate peer–teaching effectiveness. Ehudin HE, et al. **ASDC J Dent Child** 1983 Jul–Aug;50(4):287–91
Providing systematic individual teaching for severely disturbed and profoundly mentally–handicapped adults in residential care. Felce D, et al. **Behav Res Ther** 1984; 22(3):299–309
Interactive live television in clinical dental teaching. Brown CP. **Br Dent J** 1984 May 19;156(10):371–2
Boosting reading skills by direct instruction. Branwhite AB. **Br J Educ Psychol** 1983 Nov;53 (Pt 3):291–8
Evaluating the teaching of a method of psychotherapy. Maguire GP, et al. **Br J Psychiatry** 1984 Jun;144:575–80
Comparison between videotape and personal teaching as methods of communicating clinical skills to medical students. Mir MA, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):31–4
Teaching diagnosis through prose and poetry. Moulton–Barrett D. **Can Med Assoc J** 1984 Apr 1; 130(7):928–9
Muscle relaxation techniques: a therapeutic tool for family physicians. Rapp MS, et al. **Can Med Assoc J** 1984 Mar 15;130(6):691–4
Feeding the 'turtle': helping the withdrawn child to emerge. Koplow L. **Child Today** 1983 Sep–Oct;12(5):14–7
Systematic tutorials in radiology for clinical medical students. Jeans WD, et al. **Clin Radiol** 1984 May;35(3):169–72
Biological aspects of aging: two models of teaching. Boly EL. **Gerontol Geriatr Educ** 1983 Fall;4(1):75–81
The efficacy of a self help teacher training program for older adults. Kaye LW, et al. **Gerontol Geriatr Educ** 1983 Winter; 4(2):75–87
Suggested strategies for occupational health education. Manning DT. **Hygie** 1983 Dec;2(4):44–51
Training the trainer in relevant and specific nutrition health education (NHE): development of a low–cost and effective communication model. Gopaldas T, et al. **Indian Pediatr** 1983 Nov;20(11):843–8
Alice in Wonderland and cognitive development: teaching with examples. Lough GJ. **J Adolesc** 1983 Dec;6(4):305–15
Development of an empathic interaction skills schedule in a nursing context. Clay M. **J Adv Nurs** 1984 Jul;9(4):343–50
Research on teaching research in the baccalaureate nursing curriculum. Overfield T, et al. **J Adv Nurs** 1984 Mar; 9(2):189–96
Distance learning and the Open University. Sklar S. **J Adv Nurs** 1984 Jul;9(4):407–11
Teaching decision–making skills in biomedical ethics for the allied health student. Francoeur RT. **J Allied Health** 1983 Aug;12(3):202–9
Cooperative learning in interdisciplinary education for the allied health professions. Lynch BL. **J Allied Health** 1984 May;13(2):83–93
An interdisciplinary team approach to development of health professions education. McPherson C, et al. **J Allied Health** 1984 May;13(2):94–103
Educational imagery and the allied health educator. Richardson GE, et al. **J Allied Health** 1984 Feb;13(1):38–47
Design and implementation of a simulation exercise for teaching confidentiality of patient information. Snyder JR. **J Allied Health** 1982 May;11(2):96–105
Questioning in preclinical and clinical instruction. Abrams RG. **J Dent Educ** 1983 Sep;47(9):599–603
First–year experience with a performance simulation system. Boyd MA, et al. **J Dent Educ** 1983 Oct;47(10):666–70
Teaching dental anatomy with light–activated resins. Chalkley Y, et al. **J Dent Educ** 1984 Apr;48(4):211–2
Teaching combined restorative periodontal procedures. Collins JF, et al. **J Dent Educ** 1983 Sep;47(9):623–5
The use of affective assessment to plan and evaluate instructional changes. Holland JC, et al. **J Dent Educ** 1983 Dec;47(12):761–6
Staining technique for teaching preparation depth in natural teeth. Leach CD. **J Dent Educ** 1983 Sep;47(9):626–8
Using principles of human development in teaching geriatric dentistry. Mahan JM, et al. **J Dent Educ** 1983 Dec; 47(12):779–82
Coverage: a simulation game to teach health care financing. MacLeod NM, et al. **J Fam Pract** 1984 Apr;18(4):587–9
Teaching biopsycho–ethical medicine in a family practice clerkship. Cassidy RC, et al. **J Med Educ** 1983 Oct; 58(10):778–83
Using patient–simulators to teach telephone communication skills to health professionals. Evens S, et al. **J Med Educ** 1983 Nov;58(11):894–8
A problem–based journal club. Joorabchi B. **J Med Educ** 1984 Sep;59(9):755–7
Teaching styles: an introductory program for residents. Lewis JM, et al. **J Med Educ** 1984 Apr;59(4):355
Utilizing paramedics to teach emergency medicine to osteopathic medical students. Murphy BC. **J Med Educ** 1984 Apr;59(4):355–6
Improved teaching within a medicine clerkship. Regan–Smith MG. **J Med Educ** 1984 Sep;59(9):753–5
Reducing 'information overload' in the teaching of pharmacology: the '200 Drug List'. Riley MW. **J Med Educ** 1984 Jun;59(6):508–11
The use of videotape programs to teach interpersonal skills. Schoonover SC, et al. **J Med Educ** 1983 Oct;58(10):804–10
Presenting a paper: reflections on the process. Sayner NC. **J Neurosurg Nurs** 1984 Jun;16(3):168–70
Use of extraneous conversation in the teaching of nursing skills. Benjamin G, et al. **J Nurs Educ** 1984 Mar; 23(3):109–13
Forensics as a teaching/learning strategy in graduate nursing education. Brouder GT, et al. **J Nurs Educ** 1984 Apr; 23(4):159–60
Structured experience: a risk–free approach to reality–based learning. Dahl J. **J Nurs Educ** 1984 Jan;23(9):34–7
Independent study as a learning experience in baccalaureate nursing programs: perceptions and practices. Dear MR, et al. **J Nurs Educ** 1984 Jun;23(6):240–4
Retention of Basic Cardiac Life Support content: the effect of two teaching methods. Friesen L, et al. **J Nurs Educ** 1984 May;23(5):184–91
Preparing students for peer collaboration: a clinical teaching model. Gerace L, et al. **J Nurs Educ** 1984 May;23(5):206–9
The Elms College Nursing Center: an independent setting for translating theory into practice. Glanovsky AR, et al. **J Nurs Educ** 1984 May;23(5):209–11
Team teaching: philosophical considerations and pragmatic consequences. Griffith JW. **J Nurs Educ** 1983 Oct; 22(8):342–4
Learning style preferences and selection of learning strategies: consideration and implications for nurse educators. Ostmoe PM, et al. **J Nurs Educ** 1984 Jan; 23(9):27–30
Teaching methodologies: knowledge acquisition and retention. Roberts KK, et al. **J Nurs Educ** 1984 Jan; 23(9):21–6
Contracting for clinical. Sasmor JL. **J Nurs Educ** 1984 Apr; 23(4):171–3
An evaluation of paper–and–pencil and computer–assisted simulations. Schleutermann JA, et al. **J Nurs Educ** 1983 Oct;22(8):315–23
Physical assessment rounds as a teaching strategy. Smith LS, et al. **J Nurs Educ** 1984 Jan;23(9):30–2
Effective use of the learning laboratory. Taylor JA, et al. **J Nurs Educ** 1984 Jan;23(9):32–4
Television—a resource for nurse educators to teach the community about health maintenance and disease prevention. Timpke J. **J Nurs Educ** 1984 May;23(5):217–8
Simulation gaming in nursir ٦ education. Ulione MS. **J Nurs Educ** 1983 Oct;22(٥):349–51
The video connection: group dynamics on screen. Hardin SB, et al. **J Psychosoc Nurs Ment Health Serv** 1983 Nov; 21(11):12–7, 20–1
Sexuality education instructional techniques: teacher usage and student preference. Hammonds MM, et al. **J Sch Health** 1984 Aug;54(7):235–8
Theory–based health education activities for third to sixth grade children. Jaycox S, et al. **J Sch Health** 1983 Dec; 53(10):584–8
Teaching positive self–concepts in the classroom. Papenfuss RL, et al. **J Sch Health** 1983 Dec;53(10):618–20
Clinical immunology: a comprehensive educational simulation. Aloisi RM, et al. **Lab Res Methods Biol Med** 1983;8:79–88
Improving communication: a practical programme for teaching trainees about communication issues in the general practice consultation. Boulton M, et al. **Med Educ** 1984 Jul;18(4):269–74
Intensive bedside teaching of physical examination to medical undergraduates: evaluation including the effect of group size. Cooper D, et al. **Med Educ** 1983 Sep;17(5):311–5
Project work in the medical curriculum. Craddock MJ. **Med Educ** 1984 Jul;18(4):211–6
Teaching interviewing skills to paediatric junior clerks using simulated mothers. Faber RJ, et al. **Med Educ** 1984 Jul; 18(4):255–61
Patient–management problems as a learning tool for the continuing medical education of general practitioners. Marquis Y, et al. **Med Educ** 1984 Mar;18(2):117–24
Elective modules in the behavioural sciences. Sachs LA, et al. **Med Educ** 1984 Jan;18(1):11–4
Self–assessment of specific interpersonal skills of medical undergraduates using immediate feedback 'hrough closed–circuit television. Shepherd D, et al. **Med Educ** 1984 Mar;18(2):80–4
Directing medical student clinical case presentations. Weinholtz D. **Med Educ** 1983 Nov;17(6):364–8
The role of actors in teaching communication. Whitehouse C, et al. **Med Educ** 1984 Jul;18(4):262–8
Teaching the operation of medical equipment: the potential for misunderstanding. Hargest TS. **Med Instrum** 1984 Mar–Apr;18(2):140–2
Teaching clinical medicine by iterative hypothesis testing [letter] **N Engl J Med** 1984 Mar 1;310(9):600–1
Teaching strategies that promote adherence. Resler MM. **Nurs Clin North Am** 1983 Dec;18(4):799–811
Teaching writing and thinking skills. Pinkava BP, et al. **Nurs Outlook** 1984 Sep–Oct;32(5):270–2
Teaching modification to the Bausch and Lomb Autoplot. Henson DB. **Ophthalmic Physiol Opt** 1984;4(3):275–7
Sensory process instruction with learning disabled children. Curley JF, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1219–26
Clinical education model for staff training in orthopedic manual therapy. Yamada JK, et al. **Phys Ther** 1984 Jul; 64(7):1084–7
A study of the long–term effectiveness of education provided to medical students by teaching associate simulated patients. Gerber W, et al. **Proc Annu Conf Res Med Educ** 1983; 22:180–5
Symposium: The study and improvement of clinical instruction. Stritter FT, et al. **Proc Annu Conf Res Med Educ** 1983;22:262–9

Psychosomatic education: teaching or treatment? Woodmansey AC. **Psychother Psychosom** 1983; 40(1–4):16–21

Assessing the impact of supervision on outpatient evaluation in psychiatry. Kass F, et al. **QRB** 1984 Jan;10(1):3–5

Styles in teaching and learning. Davidson B. **Spec Educ Forward Trends** 1984 Mar;11(1):19–23

A pilot programme in education theory and instructional techniques for medical teachers of the University of the West Indies (E.C.M.S.). Walrond ER, et al. **West Indian Med J** 1984 Mar;33(1):3–7

[The system of teaching at the McMaster University Medical School in Canada] Zvolský P. **Cas Lek Cesk** 1984 Apr 13;123(15):455–7 (Cze)

[Use of complex case studies in teaching and evaluating students] Krupař V, et al. **Vnitr Lek** 1983 Aug;29(8):814–9 (Eng. Abstr.) (Cze)

[A method of teaching clinical judgment] van der Burg–van Walsum M. **Ned Tijdschr Geneeskd** 1984 Apr 14; 128(15):728–9 (Dut)

[Clinical instruction up for discussion] van Olden RW. **Ned Tijdschr Geneeskd** 1983 Sep 24;127(39):1781–3 (Dut)

[Principles of an instructional method] Kuhnke E. **Z Lymphol** 1983 Jul;7(1):50–3 (Ger)

[Development of the teaching concept in pathology and clinical biochemistry and postgraduate education of physicians and natural scientists in biochemical pathology and laboratory diagnosis] Wagenknecht C. **Z Med Lab Diagn** 1983;24(7):387–94 (Ger)

[Surgical teaching—a model for clinical education] Lernau OZ, et al. **Harefuah** 1983 Mar 15;104(6):247–9 (Eng. Abstr.) (Heb)

[Human anatomy training: a trial 'group study'] Kawano K. **Kaibogaku Zasshi** 1983 Apr;58(2):81–5 (Jpn)

[Role of practical clinical experience in undergraduate psychiatric education. Experience with small groups] Wakayama H, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(10):707–9 (Jpn)

[Viability of training in cardiorespiratory resuscitation through television in Brazil] Lane JC, et al. **AMB** 1983 Nov–Dec;29(11–12):195–6 (Eng. Abstr.) (Por)

[Methodological trend in the teaching of pathological anatomy] Zinov'ev AS, et al. **Arkh Patol** 1984;46(4):71–6 (Eng. Abstr.) (Rus)

[The 'business game' in the practical training of hygienists in deontology] Retnev VM, et al. **Gig Sanit** 1983 Oct; (10):48–50 (Rus)

[Development of forms and methods of teaching and educational work in a surgical subinternship] Kharaberiush VA, et al. **Klin Khir** 1984 Mar;(3):45–6 (Rus)

[Business games in raising the qualifications of surgeons in institutes of postgraduate medical training in departments of operative surgery with topographic anatomy] Toporov GN. **Klin Khir** 1984 Mar;(3):47–8 (Rus)

[Optimizing the educational process and features of the teaching of combustiology at a college for the advanced training of physicians] Turbin BN, et al. **Klin Khir** 1984 May;(5):38–9 (Rus)

[Methodology of clinical case discussions with 4th–year students in the Department of Surgery] Nechai AI. **Klin Med (Mosk)** 1984 May;62(5):137–8 (Eng. Abstr.) (Rus)

[Physician training in well–grounded deontologic tactics] Severova EIa, et al. **Klin Med (Mosk)** 1984 Apr;62(4):147–9 (Eng. Abstr.) (Rus)

[Use of television in the teaching of nephrology] Shul'tsev GP. **Klin Med (Mosk)** 1983 Jul;61(7):138–40 (Rus)

[Experience in teaching internal diseases by the new academic program] Vorob'ev BI, et al. **Klin Med (Mosk)** 1984 Jun;62(6):151–2 (Rus)

[Experience in the use of clinical training games in the teaching of radionuclide diagnosis] Iudin LA, et al. **Med Radiol (Mosk)** 1984 May;29(5):17–20 (Eng. Abstr.) (Rus)

[Educational experimental laboratory as a factor for improving the effectiveness of training in military field surgery] Karpov SP. **Ortop Travmatol Protez** 1984 May; (5):60–1 (Rus)

[Practice games in the training of pediatric interns] Prikhod'ko VS, et al. **Pediatriia** 1984 Apr;(4):44–5 (Rus)

[Organizational and methodological recommendations for teaching military medicine to dental students] Aleksanian IV, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):85–6 (Rus)

[Ways to increase the effectiveness of teaching dentistry in therapeutic and health and hygiene departments] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):75–6 (Rus)

[Preparation of a lecture on oral surgery based on a combination of rational and emotional approaches] Bernadskii IuI, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb; 63(1):84–5 (Rus)

[Characteristics of the specialized teaching of normal physiology in the dental departments of medical colleges] Budylina SM. **Stomatologiia (Mosk)** 1983 Jul–Aug; 62(4):75–6 (Rus)

[Experience teaching pedodontics in a school dental clinic office] Bulatovskaia BIa, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):80–1 (Rus)

[Experience in instructing dentistry department students in general pathological anatomy] Chumakov AA, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):83–5 (Rus)

[Experience teaching pedodontics in internships] Kniazeva PG, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):81–2 (Rus)

[Use of the International Histological Classification of Tumors in the teaching of oral surgery] Rud'ko VF, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):82–5 (Rus)

[Various problems of improving the teaching of forensic medicine in the legal institutions of higher education] Vinogradov IV, et al. **Sud Med Ekspert** 1984 Apr–Jun; 27(2):49 (Rus)

[Academic research work of students in the teaching of forensic medicine] Zagriadskaia AP, et al. **Sud Med Ekspert** 1983 Jul–Sep;26(3):42–3 (Rus)

[Various problems in teaching faculty therapy] Iupatov IIu, et al. **Ter Arkh** 1983;55(11):123–5 (Rus)

[Importance of lectures in developing clinical thinking among students in a department of faculty therapy] Makolkin VI, et al. **Ter Arkh** 1983;55(11):120–3 (Rus)

[Role of a methodological seminar in the provision of information and reference services in teaching and education] Ibadulin RR, et al. **Voen Med Zh** 1983 Dec; (12):12–6 (Rus)

[Use of the elements of business games in teaching epidemiology] Andreevskil VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):106–10 (Rus)

[Various principles for teaching a course on neurologic diseases at a medical school] Likhtenshtein VA. **Zh Nevropatol Psikhiatr** 1984;84(5):780–2 (Rus)

[Efficacy of repeated training at different stages of elaboration of a defensive reflex in the mouse] Voronin LG, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):472–7 (Eng. Abstr.) (Rus)

[Methods for teaching problem–solving in medical schools] Shumway JM, et al. **Educ Med Salud** 1984;18(1):46–61 (Eng. Abstr.) (Spa)

[How we teach anatomy. My experience in Ecuador and the United States] Paltán JD. **Rev Med Panama** 1983 Sep; 8(3):228–37 (Eng. Abstr.) (Spa)

STANDARDS

Problems of teaching of pathological physiology in postgraduate pharmaceutical education. Babjuk J. **Acta Univ Carol [Med] (Praha)** 1983;29(3–4):257–8

Policy making in administrative psychiatry [letter] Marcos LR, et al. **Am J Psychiatry** 1984 Jan;141(1):139–40

Have we isolated our OR educator? Hixon J. **AORN J** 1983 Dec;38(6):955, 958

The teacher as impediment to learning: the problem of focal conviction [letter] Frosch WA, et al. **Arch Gen Psychiatry** 1983 Nov;40(11):1257

What constitutes excellence in an academic unit. Adams MR, et al. **ASHA** 1984 May;26(5):27–8

Minimum standards for training. Selecting general practitioner trainers. Gray DJ. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):195–8

Minimum standards for training practices. Pringle M. **Br Med J [Clin Res]** 1984 May 5;288(6427):1353–4

Approval of trainers and training practices in the Oxford region: assessment. Schofield TP, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):612–4

Have competencies needed by teachers of the hearing impaired changed in 25 years? Scott PL. **Except Child** 1983 Sep;50(1):48–53

Cautions on the use of student evaluations of teaching. Judis J. **J Allied Health** 1982 Feb;11(1):43–8 (31 ref.)

Development of indices of effectiveness: a quantification of the accrediting process. Roberts MD, et al. **J Allied Health** 1984 Feb;13(1):13–21

Evaluating instruction in medical education. Irby DM. **J Med Educ** 1983 Nov;58(11):844–9

Evaluating teaching effectiveness [editorial] de Tornay R. **J Nurs Educ** 1984 May;23(5):177

An appraisal process for classroom teaching in higher education. Schare BL. **J Nurs Educ** 1984 Jan;23(9):40–2

Developing a system for documenting teaching effectiveness. Van Ort SR. **J Nurs Educ** 1983 Oct;22(8):324–8

Essential qualities of a good lecture. Flournoy DJ, et al. **J Okla State Med Assoc** 1984 Feb;77(2):52–5

Nonverbal teaching behavior and the health educator. Fetter MP. **J Sch Health** 1983 Sep;53(7):431–2

The mystique of medical training. Dubovsky SL, et al. **JAMA** 1983 Dec 9;250(22):3057–8

Relationships between faculty evaluations and faculty development. Lacefield WE, et al. **JNE** 1983 Sep; 22(7):278–84

Evaluating competence of medical teachers. Mårtenson D, et al. **Med Educ** 1984 Mar;18(2):125

Assessment of undergraduate general practice teaching [letter] Philipp R, et al. **Med Educ** 1984 Sep;18(5):390

Assessment of undergraduate general practice teaching. Philipp R. **Med Educ** 1984 Jan;18(1):36–42

Evaluation by objectives: teaching students to evaluate faculty. Hassell J, et al. **Nurs Forum** 1984;21(1):15–8

[Reliability and validity of faculty evaluation] Benbassat J, et al. **Harefuah** 1983 May 1;104(9):413–6 (Eng. Abstr.) (Heb)

[Imminent problems of raising the qualifications of teachers of general hygiene in advanced training departments] Omel'ianets NI, et al. **Gig Sanit** 1983 Nov;(11):43–5 (Rus)

[Improvement in faculty work in raising the qualifications of medical college teachers (illustrated by a department of roentgenology and radiology)] Kagan VI, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):51–6 (Rus)

[Testing student's knowledge—important means of improving the effectiveness of the teaching process] Semenova NA, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):78–9 (Rus)

[Improvement in the teaching of military field surgery in the medical institute] Tanasienko ID, et al. **Voen Med Zh** 1984 Jul;(7):22–4 (Rus)

TRENDS

Trends in teaching systems courses in American medical schools, 1975–1983. Atkins CG. **J Med Educ** 1983 Nov; 58(11):899–901

Training needs in school health education research. Gold R, et al. **J Sch Health** 1984;54(6):67–74

TEACHING MATERIALS

The preparation of simulated spinal fluid for teaching purposes. Lofsness KG, et al. **Am J Med Technol** 1983 Jul;49(7):493–6

Utilization of cognitive style mapping in conjunction with individualized instruction. Morris FJ. **Am J Med Technol** 1983 Oct;49(10):723–5

A teaching catalogue of physical findings developed on the geriatric ward of an acute–care teaching hospital. Clarfield AM, et al. **Arch Gerontol Geriatr** 1983 Dec;2(4):333–42

Three–dimensional holographic display of images of otological specimens. Ogura Y, et al. **Auris Nasus Larynx** 1983;10(2):71–7

Models for multi–band training and examining. Seel D, et al. **Br J Orthod** 1984 Jan;11(1):38–9

Video as a teaching aid [letter] **Br Med J [Clin Res]** 1984 Jul 28;289(6439):250

Educational package on hypertension for primary care physicians. Evans CE, et al. **Can Med Assoc J** 1984 Mar 15;130(6):719–22

Video simulations: learning the art of interviewing. Moulton–Barrett D. **Can Med Assoc J** 1984 Sep 1; 131(5):475–6

Let's keep the audience awake. Finlayson M. **J Audiov Media Med** 1983 Jul;6(3):107–8

A teaching model for nasal irrigation. Wilcox MA, et al. **J Biocommun** 1984 Feb;11(1):13–5

A teaching tool for spinal cord injured patients. Hamric AB. **J Neurosurg Nurs** 1981 Oct;13(5):234–8

Distribution and readability of periodontal health education literature. Bakdash MB, et al. **J Periodontol** 1983 Sep; 54(9):538–41

Does a booklet on breast self–examination improve subsequent detection rates? Turner J, et al. **Lancet** 1984 Aug 11;2(8398):337–9

Medical education about human sexuality: the impact of film in the workshop setting. Mandel JB. **Med Educ** 1983 Sep; 17(5):305–10

Computer analysis of the student log diary: an aid in the teaching of general practice and family medicine. Munro JG. **Med Educ** 1984 Mar;18(2):75–9

Preadmission self–instruction booklets, postadmission exercise performance, and teaching time. Rice VH, et al. **Nurs Res** 1984 May–Jun;33(3):147–51

A newly designed teaching scope. Ryu S, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):579–82

Efficacy of 'talking books' for a group of reading disabled boys. Abelson AG, et al. **Percept Mot Skills** 1983 Oct; 57(2):567–70

A simple ECG training device. Geddes LA. **Physiologist** 1984 Feb;27(1):56–7

[Experience in dietary counseling of diabetics with a new multifunctional learning aid] Stradner F, et al. **Wien Med Wochenschr** 1983 Sep 30;133(18):455–7 (Eng. Abstr.) (Ger)

[3–dimensional photographs as instructional material for the embryology laboratory] Yasuda M, et al. **Kaibogaku Zasshi** 1983 Aug;58(4):207–15 (Eng. Abstr.) (Jpn)

INSTRUMENTATION

Model for teaching insertion of chest tubes. Sinclair C. **J Fam Pract** 1984 Feb;18(2):305–8

STANDARDS

Do health booklets add anything to professional guidance? An evaluation study. Cullen JS. **Community Health Stud** 1984;8(2):210–7

TEARS

A comparative clinical study of tear substitutes in normal subjects and in patients with keratoconjunctivitis sicca. Marner K, et al. **Acta Ophthalmol (Copenh)** 1984 Feb; 62(1):91–5

Prentice Medal lecture: contact lens wettability—myths, mysteries, and realities. Fatt I. **Am J Optom Physiol Opt** 1984 Jul;61(7):419–30

Beneficial effect of artificial tears made with autologous serum in patients with keratoconjunctivitis sicca. Fox RI, et al. **Arthritis Rheum** 1984 Apr;27(4):459–61

[Determination of blinking frequency by an infrared detector system and the influence of optical factors and pharmaceutics] Kilp H, et al. **Fortschr Ophthalmol** 1983; 80(3):210–2 (Eng. Abstr.) (Ger)

ANALYSIS

Human tears: glucose instabilities. Daum KM, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):472–8

Evidence for X linkage of the mouse tear protein system–3 (Mtp–3) with mosaic expression in heterozygous females. Matsushima Y, et al. **Biochem Genet** 1984 Jun; 22(5–6):577–85

Normal tear protein profiles and age–related changes. McGill JI, et al. **Br J Ophthalmol** 1984 May;68(5):316–20

Diagnostic implications of tear protein profiles. Mackie IA, et al. **Br J Ophthalmol** 1984 May;68(5):321–4

Ocular surface pH in Rosacea. Jaros PA, et al. **CLAO J** 1983 Oct–Dec;9(4):333–6

Decrease of lactoferrin concentration in the tears of myotonic muscular dystrophy patients. Tsung PK, et al. **Clin Chim Acta** 1983 Oct 31;134(1–2):213–9

The identification of transferrin, an iron–binding protein in rabbit tears. Boonstra A, et al. **Exp Eye Res** 1984 Jun; 38(6):561–7

Lysozyme content of tears in normal subjects and in patients with external eye infections. Saari KM, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):86–8

Glucose–estimation in tear fluid—its diagnostic significance—a preliminary study. Mediratia RK, et al. **Indian J Ophthalmol** 1983 Sep;31(5):635–8

Tear glucose in ocular inflammations and its enzymatic lysis as a possible therapeutic adjunct in treatment of ocular infections. Sharma GK, et al. **Indian J Ophthalmol** 1983 Sep;31(5):563–5

Glucose estimation in tear fluid in normal eyes and in acute mucopurulent conjunctivitis. Sinha A, et al. **Indian J Ophthalmol** 1983 Sep;31(5):473–5

The effect of collection technique on tear composition. Stuchell RN, et al. **Invest Ophthalmol Vis Sci** 1984 Mar; 25(3):374–7

Tear lithium concentration: a measurement of dubious clinical value. Jefferson JW, et al. **J Clin Psychiatry** 1984 Jul; 45(7):304–5

Studies of human tear proteins—2. Analysis by crossed immunoelectrophoresis of tears from diseased eyes. Inada K, et al. **Jpn J Ophthalmol** 1983;27(2):277–88

Hemolytic complement in tears. Mondino BJ, et al. **Ophthalmic Res** 1983;15(4):208–11

Study of the human blood–tear barrier and the biochemical changes in the tears of 30 contact lens wearers (50 eyes). Lundh RL, et al. **Ophthalmologica** 1984;188(2):100–5

Detection of leukotriene C4–liked immunoreactivity in tear fluid from subjects challenged with specific allergen. Bisgaard H, et al. **Prostaglandins** 1984 Mar;27(3):369–74

Penetration of some antibiotics into the lacrimal fluid of sheep. Nouws JF, et al. **Vet Q** 1983 Jul;5(3):114–21

[Electrophoretic study of proteins in tears and the bacteriologic and mycologic environment of patients wearing hydrophilic contact lenses. Clinical importance of this study of 95 eyes fitted with hydrophilic lenses] Vincent–Aubry F. **Bull Mem Soc Fr Ophtalmol** 1983; 95:488–93 (Fre)

[Electrophoresis study of lacrimal proteins of patients in contact lens practice] Malbrel P, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):757–9 (Eng. Abstr.) (Fre)

[Research on the composition of tears] Linoli O, et al. **Pathologica** 1983 Jul–Aug;75(1038):509–17 (Eng. Abstr.) (Ita)

[Studies of human tear proteins. Analysis of tears in eye diseases and detection of secretory sites] Inada K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1187–91 (Eng. Abstr.) (Jpn)

[Studies of human tear proteins—investigation of tear sampling methods] Inada K, et al. **Nippon Ganka Gakkai Zasshi** 1983 Jul;87(7):482–9 (Eng. Abstr.) (Jpn)

[Effect of contact lenses on the protein composition of tears] Tolokol'nikov AV, et al. **Oftalmol Zh** 1983;38(4):201–3 (Eng. Abstr.) (Rus)

CYTOLOGY

A study of inclusion conjunctivitis in newborn and young adults. Clinical picture, culture, conjunctival scrapings and cytology of the tear fluid in 12 cases. Møigaard IL, et al. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):969–84

DRUG EFFECTS

Effect of sodium cromoglycate on tear film break–up time. Felius K, et al. **Ann Ophthalmol** 1984 Jan;16(1):80–2

ENZYMOLOGY

The use of tears for diagnosis of some demyelinating disorders. Van Haeringen NJ. **Bull Soc Belge Ophtalmol** 1983 Nov;208:287–90

Diagnosis of myelin disorders by the biochemical analysis of tears. Van Hoof F, et al. **Bull Soc Belge Ophtalmol** 1983 Nov;208:291–5

Diurnal variation in human tear enzymes. Fullard RJ, et al. **Exp Eye Res** 1984 Jan;38(1):15–26

Comparison of enzymes of tears, lacrimal gland fluid and lacrimal gland tissue in the rat. Thörig L, et al. **Exp Eye Res** 1984 Jun;38(6):605–9

Lysozyme concentration in reflex and 'basic' secretion. van Bijsterveld OP, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(3):130–2

Tay–Sachs disease heterozygote detection in Brazil: comparison between tears and leukocytes as beta–hexosaminidase A source. Buchalter MS, et al. **J Inherited Metab Dis** 1984;7(1):35–7

[Problems of standardization of the lysozyme content of tear fluid] Huemer P, et al. **Klin Monatsbl Augenheilkd** 1984 Jan;184(1):42–5 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Tear immunoglobulins in giant papillary conjunctivitis induced by contact lenses [letter] Chayet J, et al. **Am J Ophthalmol** 1984 Mar;97(3):397–8

Tear immunoglobulins in giant papillary conjunctivitis induced by contact lenses. Donshik PC, et al. **Am J Ophthalmol** 1983 Oct;96(4):460–6

The effect of extended wear contact lenses on tear immunoglobulins. Mannucci LL, et al. **CLAO J** 1984 Apr–Jun;10(2):163–5

The effect of immunization route and sequence of stimulation on the induction of IgA antibodies in tears. Montgomery PC, et al. **Curr Eye Res** 1984 Jun;3(6):861–5

Complement inhibitors in tears of different species. Kijlstra A, et al. **Exp Eye Res** 1984 Jan;38(1):57–62

Vernal keratoconjunctivitis: the significance of immunoglobulin E levels in tears and serum. Samra Z, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):158–64

Parameters influencing the expression of IgA antibodies in tears. Montgomery PC, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):369–73

Pollen–specific IgG antibodies in the tears of patients with allergic–like conjunctivitis. Ballow M, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):376–80

Hormonal influence on the secretory immune system of the eye: androgen regulation of secretory component levels in rat tears. Sullivan DA, et al. **J Immunol** 1984 Mar; 132(3):1130–5

Immune response of owl monkeys to topical vaccination with irradiated Chlamydia trachomatis. MacDonald AB, et al. **J Infect Dis** 1984 Mar;149(3):439–42

Immunological characterization and possible origin of plasminogen activator in human tear fluid. Thörig L, et al. **Ophthalmic Res** 1983;15(5):268–76

Tear film changes in health and dry eye conditions. McGill J, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):313–7

[Immunoglobulins and complement C 3 in the tear of 100 normal individuals] Su XL. **Chung Hua Yen Ko Tsa Chih** 1983 May;19(3):152–4 (Chi)

[Lacrimal immunoglobulins in aphakic patients wearing permanent corneal lenses] Secchi AG, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:186–9 (Fre)

METABOLISM

Piperacillin levels in human tears and aqueous humor. Woo FL, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):17–20

Precorneal factors influencing the ocular distribution of topically applied liposomal inulin. Lee VH, et al. **Curr Eye Res** 1984 Apr;3(4):585–91

Vitamin A is present as retinol in the tears of humans and rabbits. Ubels JL, et al. **Curr Eye Res** 1984 Jun;3(6):815–22

Estimation of trimethoprim and sulfamethoxazole levels in tears after systemic administration. Sharma GK, et al. **Indian J Ophthalmol** 1983 Jul;31(4):447–9

[Passage of ceftriaxone in the aqueous humor and tears. Comparison with other beta–lactams] Mounier M, et al. **Pathol Biol (Paris)** 1984 May;32(5):335–7 (Eng. Abstr.) (Fre)

PHYSIOLOGY

In vivo observation of tear dynamics using fluorophotometry. Benedetto DA, et al. **Arch Ophthalmol** 1984 Mar; 102(3):410–2

Tear film break up time in normal Indian subjects. Sukul RR, et al. **Indian J Ophthalmol** 1983 Jul;31(4):325–6

Human tears: osmotic characteristics. Benjamin WJ, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1624–6

Human tear volume, quality and evaporation: a comparison of Schirmer, tear break–up time and resistance hygrometry techniques. Cedarstaff TH, et al. **Ophthalmic Physiol Opt** 1983;3(3):239–45

[Value of measuring tear pH in contactology] Lumbroso P, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):689–92, 697 (Fre)

[The lacrimal film, structure and stability] Proust JE, et al. **J Fr Ophtalmol** 1983;6(12):963–9 (Eng. Abstr.) (Fre)

[Scanning microscopy study of the corneal epithelium. Relation of various aspects to the lacrimal film] Renard G, et al. **J Fr Ophtalmol** 1983;6(8–9):697–705 (Eng. Abstr.) (Fre)

[Changes in tear film break–up time using a blocking filter] Christ T, et al. **Fortschr Ophthalmol** 1984;81(2):196–8 (Eng. Abstr.) (Ger)

[Factors influencing the variability of tear film break–up time] Stodtmeister R, et al. **Klin Monatsbl Augenheilkd** 1983 Dec; 183(6):485–8 (Eng. Abstr.) (Ger)

[Influence of a barrier filter on tear film breakup time] Stodtmeister R, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):121–4 (Eng. Abstr.) (Ger)

[Tear film break–up time with different stains] Stodtmeister R, et al. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):110–4 (Eng. Abstr.) (Ger)

SECRETION

Lacrimal and salivary secretion in Sjögren's syndrome: the effect of systemic treatment with bromhexine. Prause JU, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):489–97

Turnover and drainage of tears. Doane MG. **Ann Ophthalmol** 1984 Feb;16(2):111–4

Chronic paroxysmal hemicrania: salivation, tearing and nasal secretion. Saunte C. **Cephalalgia** 1984 Mar;4(1):25–32

Autonomic disorders in cluster headache, with special reference to salivation, nasal secretion and tearing. Saunte C. **Cephalalgia** 1984 Mar;4(1):57–64

Quantification of salivation, nasal secretion and tearing in man. Saunte C. **Cephalalgia** 1983 Sep;3(3):159–73

A new method for measuring tears. Hamano H, et al. **CLAO J** 1983 Jul–Sep;9(3):281–9

Kinetics of lacrimal secretions in normal human subject. Holly FK, et al. **Curr Eye Res** 1984 Jul;3(7):897–910

The fine–thread method: lacrimation test for measuring ocular side–effects of drugs in the rat. Thörig L, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):35–9

Schirmer test values and lysozyme content of tears in acute dendritic keratitis. de Koning EW, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):55–8

Effect of atropine sulfate on tear production in the cat when used with ketamine hydrochloride and acetylpromazine maleate. Arnett BD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):214–5

Stimulation of lacrimal secretion by sympathetic nerve impulses in the rabbit. Tangkrisanavinont V. **Life Sci** 1984 Jun 11;34(24):2365–71

Adrenergic control of lacrimal secretion in rabbits. Tangkrisanavinont V. **Life Sci** 1984 Jun 11;34(24):2373–8

Punctal ectropion test suture. Hecht SD, et al. **Ophthalmic Surg** 1984 Jul;15(7):598–9

Selective ACTH insensitivity, achalasia, and alacrima: a multisystem disorder presenting in childhood. Geffner ME, et al. **Pediatr Res** 1983 Jul;17(7):532–6

[Schirmer's test in the measurement of the normal tear volume and the test method] Bao YJ. **Chung Hua Yen Ko Tsa Chih** 1983 May;19(3):145–8 (Chi)

[Relative discharge of tears by the upper and lower lacrimal ducts] Vidic B, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):125–7 (Eng. Abstr.) (Ger)

[Therapy of the 'dry eye'] Kühl W. **Z Arztl Fortbild (Jena)** 1983;77(18):775–8 (Ger)

[Neurophysiological mechanisms of the reflex lacrimation] Araie N. **Nippon Seirigaku Zasshi** 1984;46(5):191–204 (Eng. Abstr.) (Jpn)

TECHNETIUM

Aerosolization of technetium Tc 99m sulfur colloid during preparation. Ponto JA. **Am J Hosp Pharm** 1983 Oct; 40(10):1695–6

The use of technetium in evaluation of the male accessory glands activity. Oichman M, et al. **Andrologia** 1984 Jul–Aug;16(4):376–80

Radiochemistry and biostability of autologous leucocytes labelled with 99mTc–stannous colloid in whole blood. Hanna R, et al. **Eur J Nucl Med** 1984;9(5):216–9

Failure in labelling of red blood cells with 99mTc: interaction between intravenous cannulae and stannous pyrophosphate. Millar AM, et al. **Eur J Nucl Med** 1983;8(11):502–4

Radiochemical quality control of 99mTc–labelled immunoglobulin G by immobilised protein A from staphylococcus aureus. Sundrehagen E. **Eur J Nucl Med** 1983;8(10):447–9

Application of sodium stannite in the preparation of instant [99mTc]HIDA kit. Agha NH, et al. **Int J Appl Radiat Isot** 1984 May;35(5):412–4

Stability of the radiopharmaceutical [99mTc]DMSA: study of the ligand exchange reaction with [99Tc]EDTA. Garcia Muñoz M, et al. **Int J Appl Radiat Isot** 1983 Nov; 34(11):1505–8

Preparation, analysis and application of [99mTc]Human Albumin Microspheres ([99mTc]HAM) for lung scanning. Al–Janabi MA, et al. **Int J Appl Radiat Isot** 1984 Mar; 35(3):209–14

A new technique for the preparation of ready–to–use macroaggregated albumin (MAA) kits to be labelled with 99mTc for lung scanning. Al–Janabi MA, et al. **Int J Appl Radiat Isot** 1983 Oct;34(10):1473–8

The labeling of DTPA–coupled proteins with 99mTc. Lanteigne D, et al. **Int J Appl Radiat Isot** 1984 Jul; 35(7):617–21

Factors affecting the labeling of human fibrinogen with 99mTc in vitro. Lavie E, et al. **Int J Appl Radiat Isot** 1984 Feb;35(2):99–102

A new technique for formation of 99mTc–labelled blood leucocytes and platelets. Sundrehagen E. **Int J Appl Radiat Isot** 1984 May;35(5):365–6

Formation of a [99mTc]polypeptide hormone: characterization and chemical quality control by ampholyte displacement radiochromatography. Sundrehagen E.

Int J Appl Radiat Isot 1983 Jul;34(7):1003–7

Effect of pH on the formation of Tc(NaBH4)–MDP radiopharmaceutical analogues. Tanabe S, et al. **Int J Appl Radiat Isot** 1983 Dec;34(12):1577–84

99mTc–labelled compounds prepared with molybdenum III as reducing agent. Vilček S, et al. **Int J Appl Radiat Isot** 1984 Mar;35(3):228–30

Microautoradiography of gamma–emitters: interest of latensification process. Wirquin E, et al. **Int J Appl Radiat Isot** 1984 Jun;35(6):489–93

Some factors affecting the calibration of radionuclide calibrators—I. 99mTc. Billinghurst MW, et al. **Int J Nucl Med Biol** 1983;10(2–3):117–9

Distribution and pharmacology of intravenous 99mTc–labeled multilamellar liposomes in rats and mice. Kasi LP, et al. **Int J Nucl Med Biol** 1984;11(1):35–7

Re: Stability of stannous ion in stannous pyrophosphate kits [letter] Kowalsky RJ, et al. **J Nucl Med** 1983 Nov; 24(11):1080–1

Stoichiometric Tc–99m RBC labeling using stable kit solutions of stannous chloride and EDTA: concise communication. Mock BH, et al. **J Nucl Med** 1984 Aug; 25(8):881–6

99m Tc–labelled chelates for nuclear medicine application. Radiopharmacy without knowledge of chemical structure? Nakken KF. **J Oslo City Hosp** 1984 Jun;34(6):49–60 (36 ref.)

Role of Tc–99m IDA scintigraphy in the evaluation of hepatobiliary trauma. Weissmann HS, et al. **Semin Nucl Med** 1983 Jul;13(3):199–222 (78 ref.)

ADMINISTRATION & DOSAGE

A direct comparison between subcutaneous and intralymphatic injections for lymphoscintigraphy. Gibson CJ, et al. **Clin Radiol** 1984 Jan;35(1):81–3

Site of deposition and factors affecting clearance of aerosolized solute from canine lungs. Rizk NW, et al. **J Appl Physiol** 1984 Mar;56(3):723–9

[Comparison of the radiation burden of the hands caused by administration of technetium–99m by different injection technics] Schneider J, et al. **Radiobiol Radiother (Berl)** 1983; 24(4):551–4 (Eng. Abstr.) **(Ger)**

[Studies on the radionuclide angiographic method using a radionuclide injector] Hayashida K, et al. **Kaku Igaku** 1984 Apr;21(4):367–70 **(Jpn)**

[Clinical usefulness of lymphoscintigraphy by rectal submucosal injection of radioactive colloid] Hong SS, et al. **Radioisotopes** 1983 Nov;32(11):546–50 (Eng. Abstr.) **(Jpn)**

[Value of double–bolus angiopneumoscintigraphy in the evaluation of regional pulmonary blood flow in children with surgical forms of bronchopulmonary pathology] Sergeev VM, et al. **Grudn Khir** 1984 May–Jun;(3):58–62 (Eng. Abstr.) **(Rus)**

[Radiation dosage to staff during administration of pharmaceutical preparations labeled with 99m Tc] Zol'nikova NI, et al. **Med Radiol (Mosk)** 1983 Oct; 28(10):40–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

An outbreak of struvite urinary calculi in rats subjected to radionuclide angiography. McIntosh GH. **Aust Vet J** 1983 Aug;60(8):253–4

Radiation risk of thyroid scintigraphy in newborns. Beekhuis H, et al. **Eur J Nucl Med** 1983;8(8):348–50

[Report on the survey on adverse reactions to radiopharmaceuticals. 4. (1981 survey No. 7)] **Kaku Igaku** 1983 May;20(4):419–24 **(Jpn)**

ANALYSIS

Concentration of orally administered and chronically fed 95mTc in Japanese quail eggs. Thomas JM, et al. **Health Phys** 1984 Mar;46(3):657–63

BLOOD

Clinical evaluation of the 99mTc–diethyl–HIDA plasma clearance curve and observations on the third exponential term. Di Rocco E, et al. **Ric Clin Lab** 1983 Oct–Dec; 13(4):487–90

CHEMICAL SYNTHESIS

[99mTc]Ca–phytate: some colloidal characteristics related to the optimal preparation conditions. Galvez Alvarez J, et al. **Int J Appl Radiat Isot** 1983 Dec;34(12):1647–9

Preparation and characterization of [99mTc(DMPE)2X2]+, X = Cl, Br (DMPE = 1,2–bis(dimethylphosphino)ethane). Vanderheyden JL, et al. **Int J Appl Radiat Isot** 1983 Dec; 34(12):1611–8

Preparation and quality control of 99mTc–calciumgluconate. Zmbova B, et al. **Nuklearmedizin** 1983 Jun;22(3):166–8

DIAGNOSTIC USE

Technetium 99m autoradiography of labelled white cells. Barbu M, et al. **Acta Haematol (Basel)** 1984;71(1):13–7

Preoperative 99mTc–MDP scintimetry of femoral neck fractures. Holmberg S, et al. **Acta Orthop Scand** 1984 Aug; 55(4):430–5

Avascular necrosis associated with nailing of femoral neck fracture. Two cases examined pre– and postoperatively by tetracycline and radionuclide tracer techniques. Strömqvist B, et al. **Acta Orthop Scand** 1983 Oct;54(5):687–94

Clinical comparison of bone scintigraphy with 99Tcm–DPD, 99Tcm–HDP and 99Tcm–MDP. Bergqvist L, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):217–23

Kinetics of 201Tl uptake in adenomas and well–differentiated carcinomas of the thyroid. A double isotope investigation with 99Tcm and 201Tl. Tennvall J, et al. **Acta Radiol [Oncol]** 1984;23(1):55–9

Quantitation of arthritis by 99mTc–uptake measurements in the mouse knee–joint: correlation with histological joint inflammation scores. Lens JW, et al. **Agents Actions** 1984 Jun;14(5–6):723–8

Painful os styloideum: bone scintigraphy in carpe bossu disease. Apple JS, et al. **AJR** 1984 Jan;142(1):181–2

Myositis ossificans and the three–phase bone scan. Drane WE. **AJR** 1984 Jan;142(1):179–80

Hepatocellular carcinoma: uptake of 99mTc–IDA in primary tumor and metastasis. Lee VW, et al. **AJR** 1984 Jul; 143(1):57–61

Assessment of perfusion patterns during hepatic artery infusion chemotherapy: EOE–13 CT and 99mTc–MAA scintigraphy. Miller DL, et al. **AJR** 1984 Oct;143(4):827–31

Detection of hepatic metastases: comparison of EOE–13 computed tomography and scintigraphy. Miller DL, et al. **AJR** 1983 Nov;141(5):931–5

99mTc red blood cell scintigraphy in evaluating focal liver lesions. Rabinowitz SA, et al. **AJR** 1984 Jul;143(1):63–8

Assessment of tissue viability in frostbite by 99mTc pertechnetate scintigraphy. Salimi Z, et al. **AJR** 1984 Feb; 142(2):415–9

Localization of 99mTc methylene diphosphonate within synovial fluid in osteosarcoma. Sandler MS, et al. **AJR** 1984 Aug;143(2):349–50

Detection of gastritis by 99mTc–labeled red–blood–cell scintigraphy. Wilton GP, et al. **AJR** 1984 Oct;143(4):759–60

Radionuclide analysis of the forearm venous pressure–volume relationship: response to nitroglycerin. Dittrich HC, et al. **Am Heart J** 1984 Apr;107(4):733–7

Comparison of left ventricular function and infarct size in patients with and without persistently positive technetium–99m pyrophosphate myocardial scintigrams after myocardial infarction: analysis of 357 patients. Croft CH, et al. **Am J Cardiol** 1984 Feb 1;53(4):421–8

Negative myocardial technetium–99m pyrophosphate scintigraphy in amyloid heart disease associated with type AA systemic amyloidosis. Leinonen H, et al. **Am J Cardiol** 1984 Jan 15;53(2):380–1

Measurement of infarct size in acute canine myocardial infarction by single–photon emission computed tomography with technetium–99m pyrophosphate. Lewis SE, et al. **Am J Cardiol** 1984 Jul 1;54(1):193–9

Hemodynamic correlated for timing intervals, ejection rate and filling rate derived from the radionuclide angiographic volume curve. Magorien DJ, et al. **Am J Cardiol** 1984 Feb 1;53(4):567–71

Measurement of left ventricular ejection fraction in pediatric patients using the nuclear stethoscope. Spicer RL, et al. **Am J Cardiol** 1984 Jan 1;53(1):211–4

Assessment of regional left ventricular function by sector analysis: a method for objective evaluation of radionuclide blood pool studies. Vitale DF, et al. **Am J Cardiol** 1983 Nov 1;52(8):1112–9

Cholescintigraphy in acute acalculous cholecystitis. Ramanna L, et al. **Am J Gastroenterol** 1984 Aug;79(8):650–3

Evaluation of meniscus tears of the knee by radionuclide imaging. Marymont JV, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):432–5

Evaluation of technetium–99m phosphate imaging for predicting skin ulcer healing. Lawrence PF, et al. **Am J Surg** 1983 Dec;146(6):746–50

Assessment of gastric motility using meal labeled with technetium–99m sulfur colloid. Matolo NM, et al. **Am J Surg** 1983 Dec;146(6):823–6

Technetium–99m HIDA hepatobiliary scanning in evaluation of afferent loop syndrome. Sivelli R, et al. **Am J Surg** 1984 Aug;148(2):262–5

Pyrophosphate scanning in early frostbite injury. Purdue GF, et al. **Am Surg** 1983 Nov;49(11):619–20

Deep vein thrombosis detection by 99m TC–MDP scanning. Moallem A, et al. **Angiology** 1984 Aug;35(8):515–8

Radiopertechnetate imaging of haemorrhagic Meckel's diverticulum. Hakkiluoto A, et al. **Ann Chir Gynaecol** 1984; 73(1):25–7

Radioimaging of the prostate and metastases of prostatic carcinoma with 99mTc–labelled prostatic acid phosphatase–specific antibodies and their Fab fragments. Vihko P, et al. **Ann Clin Res** 1984;16(1):51–2

99mTc EDHP bone scintiscans in healthy young adults and patients with Reiter's syndrome. Bandilla KK. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 38

Scintigraphic detection of occult hemorrhage using RBCs labeled in vitro with technetium Tc 99m sodium pertechnetate. Bunker SR, et al. **Arch Intern Med** 1983 May;143(5):1027–8

Sequestered substernal goiter [letter] Rudavsky AZ. **Arch Intern Med** 1983 Oct;143(10):2025

Serial bone scanning of Colles fracture. Wahlström O, et al. **Arch Orthop Trauma Surg** 1983;102(1):11–7

Sodium pertechnetate Tc 99m antral scan in the diagnosis of retained gastric antrum. Lee CH, et al. **Arch Surg** 1984 Mar;119(3):309–11

The assessment of response to therapy of bone metastases in breast cancer. Rossleigh MA, et al. **Aust NZ J Med** 1984 Feb;14(1):19–22

Diagnostic value of radionuclide technetium 99m–MDP skeletal survey in acute leukaemia. Paramsothy M, et al. **Australas Radiol** 1983 Nov;27(3):295–6

Assessment of the potential uses of liposomes for lymphoscintigraphy and lymphatic drug delivery. Failure of 99m–technetium marker to represent intact liposomes in lymph nodes. Patel HM, et al. **Biochim Biophys Acta** 1984 Sep 7;801(1):76–86

Bile reflux demonstrated by 99m Tc disofenin. Bordewyck R, et al. **Bol Asoc Med PR** 1984 Mar;76(3):107

Acute cholecystitis. Hepatobiliary study (99mTc disofenin). González Y, et al. **Bol Asoc Med PR** 1983 Aug;75(8):353–4

Use of radionuclide labelled microspheres to show the distribution of the pulmonary perfusion with multifocal pulmonary blood supply. Baker EJ, et al. **Br Heart J** 1984 Jul;52(1):72–6

Non–invasive assessment of the presence and severity of cardiac amyloidosis. A study in familial amyloidosis with polyneuropathy by cross sectional echocardiography and technetium–99m pyrophosphate scintigraphy. Eriksson P, et al. **Br Heart J** 1984 Sep;52(3):321–6

Emission computed tomography with technetium–99m pyrophosphate for delineating location and size of acute myocardial infarction in man. Tamaki S, et al. **Br Heart J** 1984 Jul;52(1):30–7

Lung uptake of technetium 99m methylene diphosphonate due to focal metastatic calcification. Brigg DJ, et al. **Br J Radiol** 1984 Aug;57(680):758–61

Correction for tissue attenuation in radionuclide gastric emptying studies: a comparison of a lateral image method and a geometric mean method. Collins PJ, et al. **Br J Radiol** 1984 Aug;57(680):689–95

A comparison of computed tomography, ultrasound and scintigraphy in the diagnosis of alcoholic liver disease. Meek DR, et al. **Br J Radiol** 1984 Jan;57(673):23–7

Chromium 51 EDTA/technetium 99m MDP plasma ratio to measure total skeletal function. Nisbet AP, et al. **Br J Radiol** 1984 Aug;57(680):677–80

The relationship between technetium 99m pertechnetate gastric scanning and gastric contents. O'Connor MK, et al. **Br J Radiol** 1983 Nov;56(671):817–22

Deep vein thrombosis detection by 99mTc–plasmin test and phlebography. Husted SE, et al. **Br J Surg** 1984 Jan; 71(1):65–6

Technetium–99m–labeled macroaggregated albumin arteriography for detection of abnormally positioned arterial catheters during infusion chemotherapy. Bledin AG, et al. **Cancer** 1984 Feb 15;53(4):858–62

Primary hemangiosarcoma of the spleen with angioscintigraphic demonstration of metastases. Hermann GG, et al. **Cancer** 1984 Apr 15;53(8):1682–5

Assessment of ventricular function by radionuclide angiography: applications and results. Borer JS, et al. **Cardiology** 1984;71(2–3):136–61 (93 ref.)

Evaluation of 99mTc–labeled amino acids as radiopharmaceuticals. V. 99mTc complex of ethylenediamine–N,N–diacetic acid as a scintigraphic agent for tumors. Karube Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Sep;31(9):3242–7

Radionuclide localization of massive pulmonary hemorrhage. Haponik EF, et al. **Chest** 1984 Aug;86(2):208–12

Bronchoalveolar lavage and technetium–99m glucoheptonate imaging in chronic eosinophilic pneumonia. Lieske TR, et al. **Chest** 1984 Feb;85(2):282–4

99mTc–pyrophosphate imaging in patients with acute myocardial infarction: comparison of planar imaging with single–photon tomography with and without blood pool overlay. Corbett JR, et al. **Circulation** 1984 Jun; 69(6):1120–8

Loose knee prosthesis. Detection by scintigraphic arthrography. Abdel–Dayem HM, et al. **Clin Nucl Med** 1983 Aug;8(8):355–7

Splenic artery aneurysm diagnosed by Tc–99m abdominal flow study. Abdel–Dayem HM, et al. **Clin Nucl Med** 1984 Jan;9(1):43

Fourier amplitude and phase analysis in the clinical evaluation of patients with cardiomyopathy. Alcan KE, et al. **Clin Nucl Med** 1984 Jun;9(6):314–23

Hyperalimented lung diagnosed by perfusion scan. Bivens RL, et al. **Clin Nucl Med** 1984 Apr;9(4):241–2

Duodenogastroesophageal reflux. Demonstration with Tc–99m DISIDA imaging. Blue PW, et al. **Clin Nucl Med** 1984 Apr;9(4):238–9

Myocardial uptake. An unexpected finding in an oncology follow–up. Boedecker RA, et al. **Clin Nucl Med** 1983 Aug; 8(8):358–9

Scintigraphic assessment of perivesical urinary extravasation following renal transplantation. Bushnell DL, et al. **Clin Nucl Med** 1984 Feb;9(2):92–6

Heparin as a pharmacologic intervention to induce positive scintiscan in occult gastrointestinal bleeding. Chaudhuri TK, et al. **Clin Nucl Med** 1984 Apr;9(4):187–8

Superior vena cava obstruction evidenced during a dynamic renal study with Tc–99m diethylenetriaminepentaacetic acid. Chimini G, et al. **Clin Nucl Med** 1984 Feb;9(2):109–10

An auxiliary sign for testicular torsion on radionuclide imaging. Coel MN, et al. **Clin Nucl Med** 1983 Oct; 8(10):493–4

Quantitative sacroiliac scintigraphy. The effect of method of selection of region of interest. Davis MC, et al.

Clin Nucl Med 1984 Jun;9(6):334–40
Cavo-portal shunting in superior and inferior vena caval obstruction. Desai AG, et al. Clin Nucl Med 1983 Aug; 8(8):365–8
Early diagnosis of testicular tumor using Tc-99m pertechnetate scrotal imaging. Donoghue GD, et al. Clin Nucl Med 1983 Dec;8(12):630–1
Application of the kidney to aortic blood flow index to renal transplants. Dunagin P Jr, et al. Clin Nucl Med 1983 Aug; 8(8):360–4
Tc-99m MDP bone scan artefact. Abdominal soft tissue uptake secondary to subcutaneous heparin injection. Duong RB, et al. Clin Nucl Med 1984 Jan;9(1):47
Gallstone ileus diagnosed by technetium-99m dimethyliminodiacetic acid cholescintigraphy. A case report. Elkin CM, et al. Clin Nucl Med 1984 Feb;9(2):79–80
Radiocolloid liver imaging in tuberculous hepatitis. Essop AR, et al. Clin Nucl Med 1984 Feb;9(2):81–4
Gluteal hematoma. A potential cause for a false-positive Tc-99m RBC gastrointestinal bleeding study. Fink-Bennett D, et al. Clin Nucl Med 1984 Jul;9(7):414
The Angle of Louis. A potential pitfall ('Louie's Hot Spot') in bone scan interpretation. Fink-Bennett DM, et al. Clin Nucl Med 1984 Jun;9(6):352–4
Barrett's esophagus complicating lye ingestion. Demonstration by pertechnetate scintigraphy. Fisher DR, et al. Clin Nucl Med 1983 Nov;8(11):550–2
Abnormal hepatic artery catheter scintigraphy. Serendipitous demonstration of an occult catheter complication. Garovich MC, et al. Clin Nucl Med 1984 Jun;9(6):364–5
Visualization of gallstones by hepatobiliary scintigraphy. Two case reports. Garty I. Clin Nucl Med 1984 Apr; 9(4):193–5
Tc-99m colloid lung uptake in a rare case of toxoplasmosis with liver involvement. Garty I, et al. Clin Nucl Med 1984 Jun;9(6):310–3
Split renal function testing using Tc-99m DTPA. A rapid technique for determining differential glomerular filtration. Gates GF. Clin Nucl Med 1983 Sep;8(9):400–7
Radionuclide blood pool imaging of calvarial hemangioma. Gavant ML, et al. Clin Nucl Med 1983 Oct;8(10):495–6
Intense pyrophosphate heart uptake with insignificant coronary stenosis. Gerson MC, et al. Clin Nucl Med 1984 Feb;9(2):67–70
Intense pyrophosphate heart and lung uptake in a patient with marked hyperphosphatemia. Gerson MC, et al. Clin Nucl Med 1984 Jan;9(1):48
Demonstration of bronchobiliary fistula with Tc-99m diethyl IDA cholescintigraphy. Giulianotti PC, et al. Clin Nucl Med 1984 Jan;9(1):41–2
Transient loss of femoral head Tc-99m diphosphonate uptake with prolonged maintenance of femoral head architecture. Glefand MJ, et al. Clin Nucl Med 1983 Aug;8(8):347–54
Unusual causes for abnormal hepatobiliary scans. Gordon L, et al. Clin Nucl Med 1983 Aug;8(8):337–9
The role of Tc-99m MDP and Ga-67 citrate in predicting the cure of osteomyelitis. Graham GD, et al. Clin Nucl Med 1983 Aug;8(8):344–6
Accumulation of a bone imaging agent in liver metastases from prostate carcinoma. Haseman MK. Clin Nucl Med 1983 Oct;8(10):488–9
Multifocal pyomyositis. Diagnosis on technetium-99m MDP bone scan. Howman-Giles R, et al. Clin Nucl Med 1984 Mar;9(3):149–51
Sternocostoclavicular hyperostosis. Hudson TM. Clin Nucl Med 1984 Feb;9(2):105
Etiology of the obstructive pattern in hepatobiliary imaging. Hughes KS, et al. Clin Nucl Med 1984 Apr;9(4):222–6
Use of glucagon in cholescintigraphy. Karimeddini MK, et al. Clin Nucl Med 1984 Jun;9(6):332–3
Superior visualization of hepatic metastases with Tc-99m disofenin as compared with Tc-99m sulfur colloid. Kochar AS. Clin Nucl Med 1984 May;9(5):293
Bleeding from intrahepatic lesion. Levy HA, et al. Clin Nucl Med 1984 Feb;9(2):106
Failure of femoral shafts to accumulate Tc-99m MDP in lymphedema praecox. Levy HA, et al. Clin Nucl Med 1983 Jul;8(7):323–4
Tc-99m glucoheptonate estimation of glomerular filtration rate. Correlation with endogenous creatinine clearance. Long SE, et al. Clin Nucl Med 1984 May;9(5):271–4
Vascular retention of Tc-99m pertechnetate simulating ectopic or metastatic thyroid tissue. López OL, et al. Clin Nucl Med 1983 Oct;8(10):503–4
Variation of the spleen-liver activity ratio due to a change in position. Makler PT Jr, et al. Clin Nucl Med 1984 Feb; 9(2):85–8
Unusual appearance of a highly vascular lesion on Tc-99m DISIDA hepatobiliary scintigraphy. Makler PT Jr, et al. Clin Nucl Med 1983 Oct;8(10):483–5
Accumulation of MDP in primary childhood hepatic malignancies and their metastases. Mandell GA, et al. Clin Nucl Med 1983 Dec;8(12):594–6
Atraumatic hepatic subcapsular hematoma diagnosed by Tc-99m HIDA hepatocholescintigraphy. Mesgarzadeh M, et al. Clin Nucl Med 1983 Oct;8(10):506–8
Gamma scintigraphy using Tc-99m labeled antibody to human chorionic gonadotropin. Morrison RT, et al. Clin Nucl Med 1984 Jan;9(1):20–4
Pulmonary ventilation and perfusion studies in lung cancer. Narabayashi I, et al. Clin Nucl Med 1984 Feb;9(2):97–102
The 'doughnut sign' on bone scintigraphy due to coccidioidomycosis. Nocera R, et al. Clin Nucl Med 1983 Oct;8(10):501–2
Tc-99m MDP and indium-111 chloride scintigraphy in skeletal tuberculosis. Nocera RM, et al. Clin Nucl Med 1983 Sep;8(9):418–20
Solitary sternal metastasis from breast carcinoma. Park HM, et al. Clin Nucl Med 1983 Aug;8(8):373–4
A comparison between whole body scans made at two hours and three hours after intravenous injection of Tc-99m HDP as to image quality and lesion detectability. Pauwels EK, et al. Clin Nucl Med 1984 Feb;9(2):75–8
Radiocolloid redistribution and multiple splenic infarcts in myelofibrosis. Polga JP, et al. Clin Nucl Med 1983 Aug; 8(8):335–6
Unusual distribution of radiocolloid and radiogallium in a case of bile leakage from a T-tube. Rao H, et al. Clin Nucl Med 1983 Nov;8(11):554
Sonographic and scintigraphic detection of a bile leak in a post-cholecystectomy patient. Recognition of the tail sign. Rienzo RJ, et al. Clin Nucl Med 1983 Oct;8(10):480–2
A clinical evaluation of the RNCA study using Fourier filtering as a preprocessing method. Robeson W, et al. Clin Nucl Med 1984 Jun;9(6):324–31
A comparison of Tc-99m colloid labeled leukocytes and Ga-67 citrate for the disclosure of sepsis. Rosenthall L, et al. Clin Nucl Med 1983 Aug;8(8):340–3
Hepatobiliary imaging for demonstration of bile leaks. Rozran RS, et al. Clin Nucl Med 1984 Apr;9(4):189–92
Gastrointestinal bleeding from an unusual etiology. Demonstration by Tc-99m RBC scintigraphy. Schneider M, et al. Clin Nucl Med 1984 Apr;9(4):243
Tc-99m labeled HIDA imaging in suspected biliary leaks after liver transplantation. Scott-Smith W, et al. Clin Nucl Med 1983 Oct;8(10):478–9
Splenic rotation to the 'upside down' configuration. Shapiro H, et al. Clin Nucl Med 1984 Jun;9(6):361–2
Discordant Tc-99m sulfur colloid and In-113m chloride blood pool images in patients with acute amebic liver abscess. Shih WJ, et al. Clin Nucl Med 1983 Jul;8(7):312–4
Demonstration of bone tracer uptake by liver metastases from colon carcinoma by planar and SPECT imaging. Siddiqui AR, et al. Clin Nucl Med 1984 Feb;9(2):107–8
Tc-99m PYP scanning following low voltage electrical injury. Spencer RR, et al. Clin Nucl Med 1983 Dec; 8(12):591–3
Particle imaging. Acquired arteriovenous malformations complicating a Glenn anastomosis. Sty JR, et al. Clin Nucl Med 1984 Apr;9(4):208–9
Pitfall to modified in vivo method of technetium-99m red blood cell labeling. Iodinated contrast media. Tatum JL, et al. Clin Nucl Med 1983 Dec;8(12):585–7
Focal bone tracer uptake associated with a herniation pit of the femoral neck. Thomason CB, et al. Clin Nucl Med 1983 Jul;8(7):304–5
Early diagnosis of myositis ossificans with Tc-99m diphosphonate imaging. Tyler JL, et al. Clin Nucl Med 1984 May;9(5):256–8
Pulmonary nodules causing false-positive liver scans. Preoperative and postoperative scintigraphic findings in three cases. Ueno K, et al. Clin Nucl Med 1984 Apr; 9(4):199–204
Radionuclide diagnosis of splenic rupture in infectious mononucleosis. Vezina WC, et al. Clin Nucl Med 1984 Jun; 9(6):341–4
Hepatic adenoma. Demonstration of discordant uptake with Tc-99m sulfur colloid and Tc-99m DISIDA. Vincent LM, et al. Clin Nucl Med 1984 Jul;9(7):415–4
Tc-99m PYP localization in calf muscle necrosis. Virupannavar S, et al. Clin Nucl Med 1984 May;9(5):286–7
Hydrocele visualization on bone scan. Ward T, et al. Clin Nucl Med 1984 Jun;9(6):360
The role of kidney uptake of Tc-99m pertechnetate during quantitation of gastric scintigraphy. Wasserman HJ, et al. Clin Nucl Med 1984 Jul;9(7):400–1
Sulfur colloid distribution in normal hips. Williams AG Jr, et al. Clin Nucl Med 1983 Oct;8(10):490–2
Focal marrow replacement in intervertebral disc space infection. Demonstrated by Tc-99m sulfur colloid imaging. Wiseman J, et al. Clin Nucl Med 1984 May;9(5):291–2
Percutaneous osseous needle aspiration biopsy with nuclear medicine guidance. Zegel HG, et al. Clin Nucl Med 1984 Feb;9(2):89–91
The value of dual radionuclide studies in solitary parotid gland sarcoidosis. Zwas ST, et al. Clin Nucl Med 1984 Jun; 9(6):359
Negative radionuclide scan in osteoid osteoma. A case report. Fehring TK, et al. Clin Orthop 1984 May;(185):245–9
Technetium-99m-methylenediphosphonate scintimetry after femoral neck fracture. A three-year follow-up study. Strömqvist B, et al. Clin Orthop 1984 Jan–Feb;(182):177–89
Technetium-99m 'pseudogas' for diagnostic studies in the lung. Burch WM, et al. Clin Phys Physiol Meas 1984 May; 5(2):79–85
A sing'e isotope method of post-prandial duodenogastric reflux assessment using 99Tcm-labelled IDA in patients with gallstones. Eyre-Brook IA, et al. Clin Phys Physiol Meas 1983 Aug;4(3):299–307
Placenta flow index in posterior wall placentas measured with 99mtechnetium-labelled human serum albumin. Andersen KV, et al. Clin Physiol 1983 Dec;3(6):577–80
Comparison between 99Tcm-porcine plasmin and 99Tcm-labelled erythrocytes in diagnosis of deep vein thrombosis. Edenbrandt CM, et al. Clin Physiol 1984 Jun; 4(3):243–52
The role of technetium and gallium imaging in musculoskeletal disorders. Kingston S. Clin Rheum Dis 1983 Aug;9(2):347–85 (32 ref.)
The comparative blood clearance kinetics of modified radiolabelled erythrocytes. Peters AM, et al. Clin Sci 1984 Jan;66(1):55–62
Radionuclide joint imaging. Esdaile J, et al. Compr Ther 1983 Sep;9(9):54–63
Radionuclide imaging of acute bacterial nephritis. Conway JJ. Contrib Nephrol 1984;39:28–35
99mTc-DMSA scanning and segmental renal vein renin estimations in children with renal scarring. Dillon MJ, et al. Contrib Nephrol 1984;39:20–7
Reflux nephropathy: the clinical picture in South Brazilian children. Goldraich NP, et al. Contrib Nephrol 1984; 39:52–67
Equilibrium radionuclide ventriculography in men after transmural myocardial infarction. Nestával A, et al. Cor Vasa 1983;25(6):422–31
Prediction of blood flow in and viability of ischemic small bowel: fluorescein perfusion versus radiolabeled microspheres. Lanzafame RJ, et al. Curr Surg 1983 Jul–Aug;40(4):286–9
Gallbladder and fasting [letter] Pereira M. Dig Dis Sci 1984 Sep;29(9):875
The 99mTc-labeled RBC scan. A diagnostic method for lower gastrointestinal bleeding. Kester RR, et al. Dis Colon Rectum 1984 Jan;27(1):47–52
Lymphoscintigraphy in patients with malignant melanoma: a quantitative and qualitative evaluation of its usefulness. Bergqvist L, et al. Eur J Nucl Med 1984;9(3):129–35
99mTc-aprotinin: a new tracer for kidney morphology and function. Bianchi C, et al. Eur J Nucl Med 1984;9(6):257–60
Effect of 99mTc-Sn-colloid incubation time on in vivo distribution. Boudreau R, et al. Eur J Nucl Med 1983; 8(8):335–7
The hyperactive halo as a sign of renal graft death in 99mTc-DTPA studies. Bouvier JF, et al. Eur J Nucl Med 1983;8(12):555–6
Modified in vivo behaviour of 99mTc-labelled liver-spleen preparations due to 99Mo/99mTc-generator eluate impurities. Chia HL, et al. Eur J Nucl Med 1983;8(10):450–3
Cholescintigraphy with 99mTc-diethyl-IDA for the detection of rejection of auxiliary liver transplants in pigs. de Jonge MW, et al. Eur J Nucl Med 1983;8(11):485–8
Evaluation of 99mTc-dichloro bis (1,2-dimethylphosphino) ethane (99mTc-DMPE) for myocardial scintigraphy in man. Dudczak R, et al. Eur J Nucl Med 1983;8(12):513–5
Diagnosis of deep venous thrombosis by 99mTc-human serum albumin microcolloid. Edenbrandt CM, et al. Eur J Nucl Med 1983;8(8):332–4
Myocardial perfusion imaging with 99mTc-DMPE in man. Gerson MC, et al. Eur J Nucl Med 1983;8(9):371–4
Radionuclide demonstration of ventriculoatrial shunt-cutaneous fistula with cerebrospinal fluid leak. Goodgold HM, et al. Eur J Nucl Med 1984;9(1):39–41
Routine studies of swallowed radionuclide transit in paediatrics: experience with 400 patients. Guillet J, et al. Eur J Nucl Med 1984;9(2):86–90
111In-labelled leucocyte and 99mTc-methylene diphosphonate bone scanning in pelvic osteomyelitis. Hall FM, et al. Eur J Nucl Med 1983;8(9):393–4
In vivo estimation of renal volume using a rotating gamma camera for 99mTc-dimercaptosuccinic acid renal imaging. Kawamura J, et al. Eur J Nucl Med 1984;9(4):168–72
Diagnosis of deep venous thrombosis with 99mTc plasmin using the gamma camera. Lückers AE, et al. Eur J Nucl Med 1984;9(6):282–3
An evaluation of coronary regulation by the 99mTc bolus technique. Mohnike W, et al. Eur J Nucl Med 1983; 8(11):471–6
Ruptured abdominal aortic aneurysm identified incidental to bone scintigraphy. Moreno AJ, et al. Eur J Nucl Med 1983; 8(12):546–8
Dual radionuclide subtraction imaging of vertebral disc infection using an 111In-labelled leucocyte scan and a 99mTc-tin colloid scan. Mountford PJ, et al. Eur J Nucl Med 1983;8(12):557–8
Visualizing cardiac blood pool: comparison of three labeling methods. Neumann P, et al. Eur J Nucl Med 1983; 8(11):463–6
Detection of a brain metastasis from osteosarcoma with 99mTc-methylene diphosphonate bone scanning. Ozarda AT, et al. Eur J Nucl Med 1983;8(12):552–4
Clinical value of phase and amplitude images and left ventricle time-activity curves in assessing patients with acute myocardial infarction. Picozzi R, et al. Eur J Nucl Med 1984;9(1):6–11
In vivo labelling of RBC with 99mTc for blood pool imaging using different stannous radiopharmaceuticals. Popescu HI, et al. Eur J Nucl Med 1984;9(7):295–9
99mTc-phosphonates for imaging of amyloid in C-cell carcinoma. Reuter E, et al. Eur J Nucl Med 1983; 8(9):398–400
Sequential early and delayed myocardial 99mTc pyrophosphate scans: evaluation of diffuse myocardial uptake. Shih WJ, et al. Eur J Nucl Med 1983;8(8):329–31
Massive splenomegaly with multiple defects in a chronic myelogenous leukemia demonstrated by 99mTc-sulfur colloid scintigraphy. Shih WJ, et al. Eur J Nucl Med 1983;

8(11):509-11
Clinical evaluation of 99mTc-pyrophosphate myocardial emission computed tomography: comparison with planar imaging. Tamaki N, et al. **Eur J Nucl Med** 1984;9(3):106-11
Evaluation of kidney grafts with 99mTc-methylene diphosphonate within 36 hours after transplantation: a marker of ischemic damage. Thomsen HS, et al. **Eur J Nucl Med** 1984;9(3):115-20
Uptake of 99mTc-MDP by pseudomyxoma peritonei: a case report. Tu'meh SS, et al. **Eur J Nucl Med** 1983;8(8):364-6
Low renal uptake of 99mTc-DMSA in patients with proximal tubular dysfunction. van Luyk WH, et al. **Eur J Nucl Med** 1983;8(9):404-5
Detection of malignant soft tissue tumors in bone imaging. Vorne M, et al. **Eur J Nucl Med** 1984;9(4):180-4
A clinical comparison of 99mTc-DPD and two 99mTc-MDP agents. Vorne M, et al. **Eur J Nucl Med** 1983;8(9):395-7
Increased genital uptake of 99mTc red blood cells: a potential cause of false-positive studies for gastrointestinal bleeding. Wahl RL, et al. **Eur J Nucl Med** 1984;9(5):245-6
Tumor detection with some 99mTc-labeled S-containing amino acids. Tamemasa O, et al. **Gann** 1984 May; 75(5):395-402
Radionuclide enemas for localization of gastrointestinal bleeding sites. Cohen AJ, et al. **Gastrointest Radiol** 1983; 8(4):349-51
Afferent loop obstruction documented with hepatobiliary imaging. Rao K, et al. **Gastrointest Radiol** 1983;8(4):345-7
Interaction of 99mTc-labeled liposomes with Walker tumour cells in vitro. Liposome-mediated introduction of thaliblastine into resistant Walker tumour cells. Deliconstantinos G, et al. **Gen Pharmacol** 1983;14(4):407-11
Nuclear cardiology in the elderly: reliable and noninvasive. Iskandrian AS, et al. **Geriatrics** 1984 Feb;39(2):105-9, 113-4
The biological distributions of some technetium-MDP components isolated by anion exchange high performance liquid chromatography. Tanabe S, et al. **Int J Appl Radiat Isot** 1983 Dec;34(12):1585-92
Preparation and evaluation of [99mTc]DEPE as a cardiac perfusion agent. Thakur ML, et al. **Int J Appl Radiat Isot** 1984 Jun;35(6):507-15
Splenic accumulation of [99mTc]methylene diphosphonate in sickle cell-thalassemia disease. Georgiou E, et al. **Int J Nucl Med Biol** 1983;10(4):269-70
Liver localization of [99mTc]MDP in a case of metastatic malignant melanoma. Powers CI, et al. **Int J Nucl Med Biol** 1984;11(1):73-6
A comparison of the technetium-labeled myocardial agents DiArs and DMPE to 201Tl in experimental animals. Sullivan PJ, et al. **Int J Nucl Med Biol** 1984;11(1):3-10
In vivo assessment of 99mTc-labeled hematoporphyrin derivative in tumor-bearing animals. Wong DW, et al. **Int J Nucl Med Biol** 1983;10(4):211-8
Enhanced drug retention in VX2 tumors by use of degradable starch microspheres. Lorelius LE, et al. **Invest Radiol** 1984 May-Jun;19(3):212-5
Comparison of 99mTc phosphate and diphosphonate complexes in experimental renal infarcts. McAfee JG, et al. **Invest Radiol** 1983 Sep-Oct;18(5):479-84
Warthin's tumor of the submandibular salivary gland: diagnosis by pertechnetate scan. Rivkind AI, et al. **Isr J Med Sci** 1984 Feb;20(2):155-7
Pre-and postoperative Tc 99m scanning in monitoring pulmonary perfusion in the tetralogy of Fallot. Vosa C, et al. **Ital J Surg Sci** 1984;14(1):21-4
Comparison of exercise perfusion and ventricular function imaging: an analysis of factors affecting the diagnostic accuracy of each technique. Osbakken MD, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):272-83
Comparison of two-dimensional echocardiography with gated radionuclide ventriculography in the evaluation of global and regional left ventricular function in acute myocardial infarction. Van Reet RE, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):243-52
Radionuclide evaluation of complications after metatarsal osteotomy and implant arthroplasty of the foot. Jacobs AM, et al. **J Foot Surg** 1984 Jan-Feb;23(1):86-96
Diagnosing osteomyelitis: evaluation and significance of multiple tracer bone imaging. Quinn WB, et al. **J Foot Surg** 1983 Summer;22(2):178-82 (29 ref.)
The use of differential scintigraphy in the clinical diagnosis of osseous and soft tissue changes affecting the diabetic foot. Visser HJ, et al. **J Foot Surg** 1984 Jan-Feb;23(1):74-85
Bone scanning of fractures of the scaphoid. Stordahl A, et al. **J Hand Surg [Br]** 1984 Jun;9(2):189-90
Is routine hepatic flow study cost effective? A case of hepatic cavernous hemangioma evaluated with dynamic flow study and delayed blood pool images. Green L, et al. **J Natl Med Assoc** 1984 Jan;76(1):78-80
Comparison of tc-99m MDP, HMDP, and DPD with respect to bone-to-soft tissue ratios [letter] Buell U, et al. **J Nucl Med** 1983 Dec;24(12):1201-2
Rhabdomyosarcoma concentrating Tc-99m MDP [letter] Casara D, et al. **J Nucl Med** 1983 Nov;24(11):1082-3
Comparison of Tc-99m labeled liver and liver paté as markers for solid-phase gastric emptying. Christian PE, et al. **J Nucl Med** 1984 Mar;25(3):364-6
Estimates of dose to the bladder during direct radionuclide cystography: concise communication. Dimitriou P, et al. **J Nucl Med** 1984 Jul;25(7):792-5
Intraperitoneal injection of technetium-99m sulfur colloid in visualization of a peritoneo-vaginalis connection. Ducassou D, et al. **J Nucl Med** 1984 Jan;25(1):68-9
Scintigraphic demonstration of tracheo-esophageal fistula. Dunn EK, et al. **J Nucl Med** 1983 Dec;24(12):1151-4
Scintigraphic estimation of arterial and portal blood supplies to the liver. Fleming JS, et al. **J Nucl Med** 1983 Dec; 24(12):1108-13
Computation of glomerular filtration rate with Tc-99m DTPA: an in-house computer program. Gates GF. **J Nucl Med** 1984 May;25(5):613-8
Scintigraphic detection of osteomyelitis with Tc-99m MDP and Ga-67 citrate: concise communication. Graham GD, et al. **J Nucl Med** 1983 Nov;24(11):1019-22
Re: Normal appearance and reproducibility of liver-spleen studies with Tc-99m sulfur colloid and Tc-99m microalbumin colloid [letter] Green AM. **J Nucl Med** 1983 Oct;24(10):971-2
Definition of hepatic tumor microcirculation by single photon emission computerized tomography (SPECT). Gyves JW, et al. **J Nucl Med** 1984 Sep;25(9):972-7
Diffuse lung uptake of Tc-99m sulfur colloid in infectious mononucleosis [letter] Hammes CS, et al. **J Nucl Med** 1983 Nov;24(11):1083-4
Platelet accumulation in carotid atherosclerotic lesions: semiquantitative analysis with indium-111 platelets and technetium-99m human serum albumin. Isaka Y, et al. **J Nucl Med** 1984 May;25(5):556-63
Mucociliary clearance mechanism in smoking and nonsmoking normal subjects. Isawa T, et al. **J Nucl Med** 1984 Mar;25(3):352-9
Diagnosis of obstructive jaundice in infants: Tc-99m DISIDA in duodenal juice. Jaw TS, et al. **J Nucl Med** 1984 Mar;25(3):360-3
Intraarterial cancer chemotherapy, arterial occlusion, and Tc-99m macroaggregated albumin perfusion scintigraphy. Kim EE, et al. **J Nucl Med** 1983 Oct;24(10):966-8
Visualization of hepatic adenoma with Tc-99m di-isopropyl IDA. Kipper MS, et al. **J Nucl Med** 1984 Sep;25(9):986-8
Clinical evaluation of Tc-99m N,N'-bis(mercaptoacetyl)-2,3-diaminopropanoate as a replacement for I-131 hippurate: concise communication. Klingensmith WC 3d, et al. **J Nucl Med** 1984 Jan;25(1):42-8
Synthesis and biodistribution of neutral lipid-soluble Tc-99m complexes that cross the blood-brain barrier. Kung HF, et al. **J Nucl Med** 1984 Mar;25(3):326-32
Tc-99m DMSA uptake by metastatic carcinoma of the prostate [letter] Lamki L, et al. **J Nucl Med** 1984 Jun; 25(6):733-4
Tc99m pertechnetate for brain scanning. McAfee JG, et al. **J Nucl Med** 1984 Mar;25(3):385-401
Technetium-99m pyrophosphate in diagnosis of acute cardiac rejection in the rat with effect of cyclosporine: concise communication. McGregor CG, et al. **J Nucl Med** 1984 Aug;25(8):870-3
Calcification and uptake of Tc-99m diphosphonates in neuroblastomas: concise communication. Martin-Simmerman P, et al. **J Nucl Med** 1984 Jun; 25(6):656-60
Diagnosis of clinically unsuspected gallbladder perforation in an obese patient, by Tc-99m IDA cholescintigraphy. Mesgarzadeh M, et al. **J Nucl Med** 1983 Nov;24(11):1028-9
Quantification of segmental wall motion by length-based Fourier analysis. Nakajima K, et al. **J Nucl Med** 1984 Aug; 25(8):917-21
A new imaging agent for medullary carcinoma of the thyroid. Ohta H, et al. **J Nucl Med** 1984 Mar;25(3):323-5
Tc-99m MDP and Ga-67 citrate accumulation in cutaneous metastases from colon carcinoma [letter] Palestro CJ, et al. **J Nucl Med** 1983 Dec;24(12):1202-3
Technetium-99m glucoheptonate imaging in lung cancer and benign lung disease: concise communication. Passamonte PM, et al. **J Nucl Med** 1983 Nov;24(11):997-1000
Abnormal accumulation of technetium-99m hepatobiliary agent in a case of idiopathic bile peritonitis [letter] Phatak MG, et al. **J Nucl Med** 1983 Nov;24(11):1084-5
Uptake of Tc-99m di-isopropyliminodiacetic acid by hepatocellular carcinoma: concise communication. Savitch I, et al. **J Nucl Med** 1983 Dec;24(12):1119-22
Evaluation of complicating osteomyelitis with Tc-99m MDP, In-111 granulocytes, and Ga-67 citrate. Schauwecker DS, et al. **J Nucl Med** 1984 Aug;25(8):849-53
Re: Filling of the gallbladder as studied by computer-assisted Tc-99m HIDA scintigraphy: concise communication [letter] Shreiner DP. **J Nucl Med** 1984 Aug;25(8):944-5
External and biopsy determination of preoperative Tc-99m MDP femoral-head labeling in fracture of the femoral neck: concise communication. Strömqvist B, et al. **J Nucl Med** 1984 Aug;25(8):854-8
Filling of the gallbladder as studied by computer-assisted Tc-99m HIDA scintigraphy: concise communication. van der Linden W, et al. **J Nucl Med** 1984 Mar;25(3):292-8
Relative lesion detection ability of Tc-99m HMDP and Tc-99m MDP: concise communication. Van Duzee BF, et al. **J Nucl Med** 1984 Feb;25(2):166-9
Discordant hepatic uptake between Tc-99m sulfur colloid and Tc-99m DISIDA in hypervitaminosis A. Vincent LM, et al. **J Nucl Med** 1984 Feb;25(2):207-8
High sensitivity of a computerized radioisotopic method to evaluate unilateral renal blood flow reduction by first pass analysis and static imaging with 99mTc-glucoheptonate. Fommei E, et al. **J Nucl Med Allied Sci** 1983 Oct-Dec; 27(4):303-8
Improvement in the sensitivity of static liver imaging by estimation of the clearance rate of tin colloid. McGarry Y, et al. **J Nucl Med Allied Sci** 1983 Oct-Dec;27(4):313-5
Quantitative ventilation-perfusion lung scans in infants and children: utility of a submicronic radiolabeled aerosol to assess ventilation. O'Brodovich HM, et al. **J Pediatr** 1984 Sep;105(3):377-83
Preoperative diagnosis of Meckel's diverticulum using technetium imaging. Spencer GR, et al. **J R Coll Surg Edinb** 1983 Jul;28(4):268-9
Effects of a metastatic (13762) and nonmetastatic (R3230AC) mammary adenocarcinoma on radiocolloid localization in regional lymph nodes in Fischer 344 rats. Ege GN, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):449-62
Technetium-fibrinogen lung scanning in canine lung contusion. Geller E, et al. **J Trauma** 1984 Jul;24(7):611-8
Testicular arterial perfusion in varicocele: the role of rapid sequence scintigraphy with technetium in varicocele evaluation. Comhaire F, et al. **J Urol** 1983 Nov; 130(5):923-6
Diuretic radionuclide localization of upper urinary tract obstruction. Koff SA, et al. **J Urol** 1984 Sep;132(3):513-5
Prospective evaluation of renal allograft dysfunction with 99mtechnetium-diethylenetriaminepentaacetic acid renal scans. McConnell JD, et al. **J Urol** 1984 May;131(5):875-9
Glucoheptonate measurement of differential renal function. Powers TA, et al. **J Urol** 1984 Jul;132(1):175-8
Improving the technique of nuclear cystography: the manometric approach. Sfakianakis GN, et al. **J Urol** 1984 Jun;131(6):1061-4
Absolute quantitation of radioactivity using the buildup factor. Wu RK, et al. **Med Phys** 1984 Mar-Apr; 11(2):189-92
The absence of A-V shunting in cat hindlimb preparations as determined by direct radioisotopic visualization. Solen KA, et al. **Microvasc Res** 1984 Mar;27(2):226-9
Radionuclide evaluation of acute gastrointestinal bleeding. Case reports. Seger RM, et al. **Mo Med** 1984 Jun; 81(6):308-11
Dual isotope scintigraphy in stroke patients. Kessler C, et al. **Neuroradiology** 1984;26(2):113-7
Instant 99mTc-labelled glucoheptonate kit for kidney imaging. Agha NH, et al. **Nuklearmedizin** 1983 Oct; 22(5):246-50
99mTc-aprotinin: comparison with 99mTc-DMSA in normal and diseased kidneys. Aprile C, et al. **Nuklearmedizin** 1984 Feb;23(1):22-6
Contribution to the diagnosis of idiopathic femoral head necrosis by scintigraphy with 99mTc-MDP assessed quantitatively by computer. Caballero-Carpena O, et al. **Nuklearmedizin** 1983 Oct;22(5):232-6
Gastrointestinal scintigraphy using 99mTc- or 111In-labelled polymer beads. Jordaan JH, et al. **Nuklearmedizin** 1984 Apr;23(2):69-72
Comparative evaluation of renoscintigraphic properties and plasma clearance of 99MTc-DADS (99mTc-N,N'-bis/mercaptoacetamido ethylenediamine), 99mTc-DTPA and 131I-o-hippuran. Ogiński M, et al. **Nuklearmedizin** 1983 Jun;22(3):136-9
Quantification of tracer kinetics in intra- and extrahepatic bile ducts and of gallbladder filling rates in hepatobiliary dynamic scintigraphy using 99mTc-IDA derivates. Stritzke P, et al. **Nuklearmedizin** 1983 Aug;22(4):181-6
Plasma clearance of 99mTc-N/2,4-dimethyl-acetanilido/iminodiacetate complex as a measure of parenchymal liver damage. Studniarek M, et al. **Nuklearmedizin** 1983 Jun;22(3):140-4
Red blood cell labelling by intravenous injection of 99mTc-PAEP. Varvarigou A, et al. **Nuklearmedizin** 1984 Feb;23(1):29-30
Technetium and gallium scintigraphic evaluation of patients with long bone fracture nonunion. Esterhai JL Jr, et al. **Orthop Clin North Am** 1984 Jan;15(1):125-30
Diuretic renography in the assessment of urinary tract dilatation in children. Abramson SJ, et al. **Pediatr Radiol** 1983;13(6):319-23
Occult fracture of the calcaneus—another toddler's fracture. Starshak RJ, et al. **Pediatr Radiol** 1984;14(1):37-40
Improved early diagnosis of acute inflammatory skeletal-articular diseases in children: a two-radiopharmaceutical approach. Handmaker H, et al. **Pediatrics** 1984 May;73(5):661-9
99mTc-labeled nucleotides as tumor-seeking radiodiagnostic agents. Elmaleh DR, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):918-21
Tumor imaging with 99mTc-labelled antibody fragments. Rhodes BA. **Radioisotopes** 1984 Apr;33(4):230-6 (25 ref.)
Renal function study with 111In-DTPA—in comparison with 99mTc-DTPA. Yamashita M, et al. **Radioisotopes** 1983 Apr;32(4):167-70
Bone scanning in hip arthroplasty. de Rossi G, et al. **Radiol Diagn (Berl)** 1983;24(4):555-9
Coronary angiography with pertechnetate-Tc-99m. Porenta M, et al. **Radiol Diagn (Berl)** 1983;24(4):561-7
Radionuclide imaging in coronary artery disease. Acierno LJ, et al. **Radiol Technol** 1984 Mar-Apr;55(4):79-87 (71 ref.)
Serial lung scintigraphy: utility in diagnosis of pulmonary embolism. Alderson PO, et al. **Radiology** 1983 Dec; 149(3):797-802
Sclerosing cholangitis: cholescintigraphy with Tc-99m-labeled DISIDA. Ament AE, et al. **Radiology**

1984 Apr;151(1):197–201
Cerebrospinal shunt flow in adults: radionuclide quantitation with emphasis on patient position. Brendel AJ, et al. **Radiology** 1983 Dec;149(3):815–8
Gamma camera energy windows for Tc-99m bone scintigraphy: effect of asymmetry on contrast resolution. Work in progress. Collier BD, et al. **Radiology** 1984 May; 151(2):495–7
The need for routine delayed radionuclide hepatobiliary imaging in patients with intercurrent disease. Drane WE, et al. **Radiology** 1984 Jun;151(3):763–9
The radionuclide renogram as a predictor of relative renal blood flow. Ford K, et al. **Radiology** 1983 Dec; 149(3):819–21
Glucagon in the scintigraphic diagnosis of small-bowel hemorrhage by Tc-99m-labeled red blood cells. Froelich JW, et al. **Radiology** 1984 Apr;151(1):239–42
Effect of region assignment on relative renal blood flow estimates using radionuclides. Harris CC, et al. **Radiology** 1984 Jun;151(3):791–2
Osteoid osteoma: radionuclide diagnosis. Helms CA, et al. **Radiology** 1984 Jun;151(3):779–84
Chemotherapy of cervical carcinoma: use of Tc-99m-MAA infusion to predict drug distribution. Kim EE, et al. **Radiology** 1984 Mar;150(3):677–81
Use of technetium-99m macroaggregated albumin to evaluate the position and condition of totally implanted venous and arterial access devices. Lee RG, et al. **Radiology** 1984 Feb; 150(2):593–4
Detection of deep venous thrombosis with Tc-99m sulfur colloid [letter] Maurer AH, et al. **Radiology** 1984 Mar; 150(3):842–3
Peripheral arterial disease diagnosed with high-count-rate radionuclide arteriography. Oshima M, et al. **Radiology** 1984 Jul;152(1):161–6
Radionuclide thyroid studies: a survey of practice in the United States in 1981. Special report. Parker TW, et al. **Radiology** 1984 Feb;150(2):547–50
Single photon emission computed tomograms of the liver: normal vascular intrahepatic structures. Pettigrew RI, et al. **Radiology** 1984 Jan;150(1):219–23
Glomerular filtration rate in children: determination from the Tc-99m-DTPA renogram. Shore RM, et al. **Radiology** 1984 Jun;151(3):627–33
Radionuclide plethysmography and Tc-99m red blood cell venography in venous thrombosis: comparison with contrast venography. Singer I, et al. **Radiology** 1984 Jan; 150(1):213–7
New diphosphonate compounds for skeletal imaging: comparison with methylene diphosphonate. Subramanian G, et al. **Radiology** 1983 Dec;149(3):823–8
Hepatic arterial perfusion scintigraphy with Tc-99m-MAA. Use of a totally implanted drug delivery system. Ziessman HA, et al. **Radiology** 1984 Jul;152(1):167–72
The use of technetium-99m-di-isopropyl-iminodiacetic acid imaging in the demonstration of a biliary-bronchial fistula. Savitch I, et al. **S Afr Med J** 1984 May 12;65(19):779–80
Alkaline reflux esophagitis in gastroresected patients. Objective detection with a simple isotope method. Domján L, et al. **Scand J Gastroenterol [Suppl]** 1984;92:245–9
Quantitative analysis of diethyl-IDA reflux. Comparison of controls and dyspeptic, gastric ulcerated, and gastrectomized patients. Dumont A, et al. **Scand J Gastroenterol [Suppl]** 1984;92:206–9
The pharmacokinetics of 99mTc HIDA in man and its relationship to intra-gastric bile acids. Harding LK, et al. **Scand J Gastroenterol [Suppl]** 1984;92:27–9
Sensitivity and reproducibility of a bile reflux test using 99mTc HIDA. Sorgi M, et al. **Scand J Gastroenterol [Suppl]** 1984;92:30–2
Quantitation and the elimination of errors in bile reflux tests using a gamma camera. Sorgi M, et al. **Scand J Gastroenterol [Suppl]** 1984;92:33–5
The problems associated with scintigraphic assessment of duodenogastric reflux. Thomas WE, et al. **Scand J Gastroenterol [Suppl]** 1984;92:36–40
The clinical assessment of duodenogastric reflux by scintigraphy and its relation to histological changes in gastric mucosa. Thomas WE, et al. **Scand J Gastroenterol [Suppl]** 1984;92:195–9
Cardiac imaging—decrease in the left ventricular ejection fraction after exercise. Dennis JB, et al. **Semin Nucl Med** 1983 Jul;13(3):292–4
Cardiac imaging—diminished resting left ventricular ejection fraction. Dennis JB, et al. **Semin Nucl Med** 1983 Jul; 13(3):290–1
Urinary tract imaging—filling defect in the urinary bladder. Duong RB, et al. **Semin Nucl Med** 1983 Oct;13(4):383–5
Technetium-99m-labeled red blood cell imaging. Front D, et al. **Semin Nucl Med** 1984 Jul;14(3):226–50 (118 ref.)
Neck imaging—hypovascularity in the neck on radionuclide angiography. Lin DS. **Semin Nucl Med** 1983 Jul;13(3):303–4
Neck imaging—hypervascularity in the neck on radionuclide angiography. Lin DS. **Semin Nucl Med** 1983 Jul;13(3):301–2
Lung imaging—unilateral absence or near absence of pulmonary perfusion on lung scanning. Thomason CB, et al. **Semin Nucl Med** 1983 Oct;13(4):388–90
Imaging patterns with 99mTc-PIPIDA in evaluating abdominal pain. Curtis RF, et al. **South Med J** 1983 Nov; 76(11):1386–8
Acute acalculous cholecystitis. Fox MS, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):13–6
Gamma scintigraphic analysis of albumin flux in patients with acute respiratory distress syndrome. Sugerman HJ, et al. **Surgery** 1984 Jun;95(6):674–82
Early postoperative assessment of coronary artery bypass surgery using nuclear left ventriculography and atrial pacing. Ben David Y, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):377–81
The detection of gastrointestinal bleeding using nuclear medicine techniques; a local experience and review. Wilson MA, et al. **Wis Med J** 1984 Jan;83(1):15–9
Pelviureteric obstruction in children: kidney parenchymal area and technetium-99m diethylenetriaminepentaacetic acid renography. Vihma Y, et al. **Z Kinderchir** 1983 Jun; 38(3):173–6
[Evaluation of 113mIn-DTPMP and 99mTc-MDP for bone scanning] Yang JS. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb;18(1):58–62 (Eng. Abstr.) **(Chi)**
[Assessment of peripheral vascular disease by Tc-99m MAA leg scan] Huang MJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov;82(11):1133–8 (Eng. Abstr.) **(Chi)**
[Comparison of the pyrophosphate and gluconate cardiac scan in the diagnosis of experimental pericarditis in dogs] Dulka F, et al. **Cas Lek Cesk** 1983 Sep 9;122(36):1093–6 (Eng. Abstr.) **(Cze)**
[Phase scintigraphy of the kidneys using 99mTc-Sn-DTPA in patients with acute and chronic glomerulonephritis] Suchý M, et al. **Cas Lek Cesk** 1983 Jul 22;122(29):901–5 (Eng. Abstr.) **(Cze)**
[The diagnostic value of 99Tc-m pyrophosphate scintigraphy in myocardial infarction] Falstie-Jensen N, et al. **Ugeskr Laeger** 1984 Apr 23;146(17):1295–6 (Eng. Abstr.) **(Dan)**
[Scintigraphy of the biliary tract with 99m Tc-DIDA as a routine procedure in suspected acute cholecystitis] Kristensen K, et al. **Ugeskr Laeger** 1983 Sep 19; 145(38):2932–4 (Eng. Abstr.) **(Dan)**
[Early diagnosis of postinfarction ventricular aneurysm. Value of contrast scintigraphy] Ponsonnaille J, et al. **Arch Mal Coeur** 1984 Feb;77(2):128–36 (Eng. Abstr.) **(Fre)**
[Myocardial tomoscintigraphy with technetium pyrophosphate in the diagnosis of recent infarction] Rosano JP, et al. **Arch Mal Coeur** 1984 Mar;77(3):301–6 (Eng. Abstr.) **(Fre)**
[Scintigraphic study of duodeno-gastric reflux using the hepato-biliary excretion of Tc 99m diethyl IDA (letter)] Zeitoun P, et al. **Gastroenterol Clin Biol** 1980 Apr; 4(4):307–8 **(Fre)**
[Sequential hepatic photoscintigraphy with 99mTc HIDA as a method for evaluating alkaline reflux after gastric resection by Quiroli's method and after total gastrectomy by Moricca's method] Pescio G, et al. **J Chir (Paris)** 1983 Aug-Sep;120(8–9):475–80 (Eng. Abstr.) **(Fre)**
[Reliability of pulmonary perfusion and ventilation scintigraphy compared with angiopneumography for the diagnosis of pulmonary embolism] Peltier P, et al. **J Radiol** 1984 Mar;65(3):183–6 (Eng. Abstr.) **(Fre)**
[Quantification of separate renal function using Tc 99m DTPA and Tc 99m DMSA. Correlations between individual isotopic data and creatinine clearance] Chevet D, et al. **Nephrologie** 1984;5(1):21–5 (Eng. Abstr.) **(Fre)**
[Comparative evaluation of the function of each kidney using Tc 99m DTPA] Gonthier R, et al. **Nephrologie** 1984; 5(1):15–9 (Eng. Abstr.) **(Fre)**
[Isotopic and conventional phlebographies] Esslemont-Gally A, et al. **Phlebologie** 1983 Jul-Sep;36(3):241–8 **(Fre)**
[Relative evaluation of arterial and portal perfusion of the liver during scintigraphy using technetium 99m sodium phytate] Champailler A, et al. **Presse Med** 1984 Apr 14; 13(16):983–6 (Eng. Abstr.) **(Fre)**
[Surgical transplantation of the splenic tissue. Value of scintigraphic exploration with technetium-labeled erythrocytes (letter)] Leynaud G, et al. **Presse Med** 1984 Jun 2;13(23):1457–8 **(Fre)**
[Cardiac risks of adriamycin. Early detection of high-risk patients by isotopic cardiac function study] Pecking A, et al. **Presse Med** 1983 Nov 5;12(39):2445–8 (Eng. Abstr.) **(Fre)**
[Scintigraphy in the evaluation of painful arthroplasties. Simultaneous use of technetium and gallium] Steinling M, et al. **Rev Chir Orthop** 1984;70(4):263–70 (Eng. Abstr.) **(Fre)**
[Simultaneous scintigraphy exploration using MDP - 99 Tc and 67GA in infectious osteoarticular pathology. Initial results] Steinling M, et al. **Rev Rhum Mal Osteoartic** 1982 Jul-Sep;49(8–9):635–41 (Eng. Abstr.) **(Fre)**
[A critical study of technetium 99m and xenon 133 lung scintigraphy in patients with cystic fibrosis] Loeuille GA, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2043–8 (Eng. Abstr.) **(Fre)**
[Combined use of hepatobiliary function scintigraphy and sonography to clarify complications after cholecystectomy] Pink V, et al. **Radiobiol Radiother (Berl)** 1984;25(2):325–34 (Eng. Abstr.) **(Ger)**
[Determination of gastric emptying time using labeled solid and liquid test meals (problems, methods and results)] Schwartz KD, et al. **Radiobiol Radiother (Berl)** 1984; 25(2):335–41 (Eng. Abstr.) **(Ger)**
[Scintigraphy using 111-indium-oxine-sulfate-labeled autologous granulocytes compared to scintigraphy using 99-Tc-pyrophosphate in inflammations of the jaw region] Matejka M, et al. **Wien Klin Wochenschr** 1984 Feb 3; 96(3):117–9 (Eng. Abstr.) **(Ger)**
[In vitro and in vivo studies using 111 indium oxine, 111 indium oxine sulfate and 99m Tc oxine in erythrocyte labeling] Reiter S, et al. **Wien Klin Wochenschr** 1984 Feb 3;96(3):120–3 (Eng. Abstr.) **(Ger)**
[Value of bone scans for revealing indications for surgical treatment of coxarthrosis] Bonicoli F, et al. **Chir Organi Mov** 1982–83;68(2):153–8 (Eng. Abstr.) **(Ita)**
[The contribution of myocardial scintigraphy with Tc-99m pyrophosphate to the evaluation of acute coronary insufficiency in subjects with right ventricular pacemakers] Addarii F, et al. **Minerva Cardioangiol** 1983 May; 31(5):253–60 (Eng. Abstr.) **(Ita)**
[Pseudopyloric function of the gastroduodenal anastomosis following a Billroth I operation. Antireflux competence studied using the Tc 99m HIDA radioisotope method] Pescio G, et al. **Minerva Chir** 1984 Mar 31;39(6):387–90 (Eng. Abstr.) **(Ita)**
[Morpho-functional aspects of the Billroth II operation studied using the Tc 99m HIDA radioisotope method] Pescio G, et al. **Minerva Chir** 1984 Mar 31;39(6):383–6 (Eng. Abstr.) **(Ita)**
[Index of splenohepatic uptake of 99mTc-MMA in the diagnosis of diffuse hepatopathy] Cartia GL, et al. **Minerva Med** 1984 May 7;75(19):1117–21 (Eng. Abstr.) **(Ita)**
[Clinical study concerning upper urinary tract obstruction. 2. Relationship between 99mTc-DMSA uptake in obstructed kidneys and their functions] Murayama T, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1463–8 (Eng. Abstr.) **(Jpn)**
[Clinical efficacy of hepatobiliary scintigraphy using 99m Tc-N-pyridoxyl-5-methyltryptophan (PMT)] Aburano T, et al. **Kaku Igaku** 1983 Apr;20(3):353–60 **(Jpn)**
[Clinical evaluation of 99mTc-(Sn)-N-pyridoxyl-5-methyltryptophan (99mTc-PMT) in diagnosis of hepatoma] Hasegawa Y, et al. **Kaku Igaku** 1983 Nov;20(9):1355–9 (Eng. Abstr.) **(Jpn)**
[Factors responsible for accumulation of 99mTc-DMSA (99mTc-dimercaptosuccinic acid) in the liver in renal scanning (1)] Higuchi Y, et al. **Kaku Igaku** 1983 May; 20(4):407–11 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of right ventricular function using first-pass radionuclide angiocardiography. Assessment of cardiac performance in patients with heart disease by radionuclide and hemodynamic parameters] Kanaya T, et al. **Kaku Igaku** 1984 Feb;21(2):125–32 (Eng. Abstr.) **(Jpn)**
[Perforated choledochal cyst diagnosed by 99mTc-parabutyl IDA scintigraphy] Katsuragi M, et al. **Kaku Igaku** 1983 Jun;20(5):733–7 **(Jpn)**
[Evaluation of the cardiac performance reserve in patients with old myocardial infarction with exercise stress gated cardiac blood pool imaging] Kurihara T, et al. **Kaku Igaku** 1983 May;20(4):399–406 (Eng. Abstr.) **(Jpn)**
[Diagnosis of acute myocardial infarction with 99mTc-hydroxymethylene diphosphonate (HMDP)] Miyao K, et al. **Kaku Igaku** 1984 Feb;21(2):117–24 (Eng. Abstr.) **(Jpn)**
[Basic and clinical evaluation of hepatobiliary function by 99mTc-pyridoxyl-5-methyl-tryptophan] Morimoto Y, et al. **Kaku Igaku** 1983 Nov;20(9):1361–9 **(Jpn)**
[Technetium-99m pyrophosphate scintigraphy in acute myocardial infarction with special reference to the detection of high risk cases] Nakashima Y, et al. **Kaku Igaku** 1984 Jan;21(1):27–33 (Eng. Abstr.) **(Jpn)**
[Clinical significance of persistently positive technetium-99m pyrophosphate myocardial scintigrams in patients with acute myocardial infarction] Nakashima Y, et al. **Kaku Igaku** 1984 Mar;21(3):221–9 (Eng. Abstr.) **(Jpn)**
[Quantitative analysis by digital computer with Tc-99m PMT hepatogram in diffuse parenchymal liver diseases] Narabayashi I, et al. **Kaku Igaku** 1984 Jan;21(1):41–4 (Eng. Abstr.) **(Jpn)**
[Evaluation of regional ventilation in patients with lung cancer: a comparison with Xenon-133 and Krypton-81m studies] Narabayashi I, et al. **Kaku Igaku** 1983 Jun; 20(5):675–80 (Eng. Abstr.) **(Jpn)**
[Quantitative assessment of hepatic and splenic blood flow detected by Tc-99m-Sn colloid liver scintigraphy] Narabayashi I, et al. **Kaku Igaku** 1983 Jun;20(5):625–31 (Eng. Abstr.) **(Jpn)**
[Efficacy of diastolic phase index by gated cardiac blood pool imaging in patients with left ventricular hypertrophy] Narita M, et al. **Kaku Igaku** 1983 Sep;20(8):1133–44 (Eng. Abstr.) **(Jpn)**
[Evaluation of the portal circulation by per-rectal portal scintigraphy with in vivo labeled 99mTc-RBC] Shiomi M. **Kaku Igaku** 1984 Jan;21(1):7–18 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of the lung uptake in liver scanning using Tc-99m Sn colloid] Shirato H, et al. **Kaku Igaku** 1983 Jul; 20(6):823–9 (Eng. Abstr.) **(Jpn)**
[Aerosol lung inhalation scan with 99mTc-millimicrospheres —experimental and clinical evaluation] Sui O, et al. **Kaku Igaku** 1983 Sep;20(8):1121–31 (Eng. Abstr.) **(Jpn)**
[Gastric emptying time (GET) with Tc-99m-labeled semisolid meal in diabetic patients] Tada A, et al. **Kaku Igaku** 1984 Jan;21(1):19–26 (Eng. Abstr.) **(Jpn)**
[Urinary extravasation diagnosed by the delayed image of

99mTc-DTPA renal scintigraphy. Case report] Taki J, et al. **Kaku Igaku** 1984 Feb;21(2):191-4 **(Jpn)**

[Impaired left ventricular diastolic filling in patients with angina pectoris, diabetes mellitus and essential hypertension: assessment with a backward method of ECG-gated equilibrium radionuclide angiocardiography] Arita T, et al. **Kokyu To Junkan** 1984 May;32(5):511-7 (Eng. Abstr.) **(Jpn)**

[Regional differences of circulation, ventilation and perfusion demonstrated by 133Xe and 99mTc-MAA before and after surgery] Umegaki H. **Masui** 1984 Mar;33(3):230-9 (Eng. Abstr.) **(Jpn)**

[Hepatobiliary scintigraphy and liver function test with 99mTc-N-pyridoxyl-5-methyltryptophan (99mTc-PMT)] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Oct 25; 43(10):1205-13 (Eng. Abstr.) **(Jpn)**

[Clinical application of an auto-edge detection cardiac analysis program] Higashi K, et al. **Radioisotopes** 1983 Jun; 32(6):289-92 **(Jpn)**

[Comparative studies on 99mTc-pyrophosphate and 85Sr-chloride for skeletal imaging] Sato T, et al. **Radioisotopes** 1984 Apr;33(4):207-12 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of a 99m-Tc-DTPA solution] Yamashita M, et al. **Radioisotopes** 1983 Aug;32(8):380-2 **(Jpn)**

[Assessment of intrapelvic lymphoscintigraphy] Yoshida H, et al. **Radioisotopes** 1984 Feb;33(2):85-8 **(Jpn)**

[Experimental and clinical studies of hepatobiliary scintigraphy using 99mTc-N-pyridoxyl-5-methyltryptophan(99mTc-PMT)] Yoshida H, et al. **Radioisotopes** 1983 Jul;32(7):340-43 **(Jpn)**

[Abnormal accumulation of 99mTc-phosphorous compounds in the breast] Inoue Y, et al. **Rinsho Hoshasen** 1983 Aug; 28(8):845-9 (Eng. Abstr.) **(Jpn)**

[Accessory spleen demonstrated by splenic scintigraphy] Katsuragi M, et al. **Rinsho Hoshasen** 1984 Jan;29(1):173-4 **(Jpn)**

[Study of lymphoscintigraphy with 99mTc rhenium colloid for diagnosis of lymphedema] Naitoh A, et al. **Rinsho Hoshasen** 1983 Jun;28(6):663-8 (Eng. Abstr.) **(Jpn)**

[Extraosseous accumulation of 99m-Tc-MDP—with special reference to intratumor accumulation] Yasuda E, et al. **Rinsho Hoshasen** 1983 Aug;28(8):851-7 (Eng. Abstr.) **(Jpn)**

[Meckel's diverticulum and ileal peptic ulcer. Technetium-99 should not replace clinical judgment] Kirkeby OJ, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):868-9 (Eng. Abstr.) **(Nor)**

[Dynamic isotope angiography] Müller C, et al. **Tidsskr Nor Laegeforen** 1984 Jan 10;104(1):31-3 (Eng. Abstr.) **(Nor)**

[Radiosialographic and scintigraphic studies in diseases of the salivary glands] Chrząszcz K. **Otolaryngol Pol** 1983; 37(1):35-46 (Eng. Abstr.) **(Pol)**

[Equilibrium radioisotope ventriculography with balanced distribution of the radioactive substance in the blood] Tarkowska A. **Pol Przegl Radiol (Warszawa)** 1983 May-Jun;47(3):253-7 **(Pol)**

[Gastric emptying in duodenal ulcer patients before and after proximal gastric vagotomy. Use of solid, digestible particles labelled with 99mTc] Lopasso FP, et al. **AMB** 1983 Jan-Feb;29(1-2):10-3 (Eng. Abstr.) **(Por)**

[Radioisotopic ventriculography at rest and during effort: normal values] Ludwig EB, et al. **Arq Bras Cardiol** 1983 Aug;41(2):103-7 (Eng. Abstr.) **(Por)**

[Quantification of arteriovenous shunts of the lower extremities] Kauffman P, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep-Oct; 38(5):195-9 (Eng. Abstr.) **(Por)**

[Examination of the gallbladder and bile ducts with radioisotopic methods] Jovin G, et al. **Rev Med Interna [Med Interna]** 1984 Mar-Apr;36(2):173-80 (Eng. Abstr.) **(Rum)**

[The contribution of whole-body scintigraphy with Tc99m diphosphonate in neurosurgical examinations] Constantinovici A, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Oct-Dec; 28(4):269-79 (Eng. Abstr.) **(Rum)**

[Accumulation of 99m Tc-Sn-pyrophosphate in the myocardium and the contractile function of the left ventricle in patients with stable angina] Botnar' VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):94-6 **(Rus)**

[Results of computerized processing of myocardial 99mTc-pyrophosphate scans in ischemic heart disease] Satkiavichius ZE. **Kardiologiia** 1984 Mar;24(3):23-6 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of methods of myocardial scintigraphy using 99mTc-Sn-glucohepatonate and 99mTc-Sn-pyrophosphate in the diagnosis of acute myocardial infarction and unstable stenocardia] Stepanova IP, et al. **Kardiologiia** 1984 Mar;24(3):31-5 (Eng. Abstr.) **(Rus)**

[Determination of the temporal characteristics of tracer transport in hemodynamics studies] Vinogradov AV, et al. **Kardiologiia** 1983 Nov;23(11):82-6 (Eng. Abstr.) **(Rus)**

[Value of 99m-pyrophosphate myocardial scanning and scintigraphy in the diagnosis of acute myocardial infarction] Zharov EI, et al. **Kardiologiia** 1984 Mar;24(3):27-30 (Eng. Abstr.) **(Rus)**

[Radionuclide phlebography in the diagnosis of the postthrombophlebitis syndrome with iliaco-femoral localization] Klioner LI, et al. **Klin Khir** 1984 Jul;(7):56-7 (Eng. Abstr.) **(Rus)**

[Value of myocardial scintigraphy with 99m Tc-pyrophosphate in the diagnosis of ischemic heart disease] Botnar' VI, et al. **Med Radiol (Mosk)** 1983 Oct; 28(10):53-8 (64 ref.) **(Rus)**

[Radiocardiogram interpretation by estimating the average transit time of a tracer] Gel'fand IN, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):13-9 (Eng. Abstr.) **(Rus)**

[Bone-seeking radiopharmaceuticals in evaluating the treatment of skeletal metastases of malignant tumors] Naumenko AZ, et al. **Med Radiol (Mosk)** 1984 Mar; 29(3):27-30 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the results of myocardial scintigraphy in patients with stenocardia] Kramer AA, et al. **Sov Med** 1983;(9):3-6 (Eng. Abstr.) **(Rus)**

[Possibility of demonstrating the antral remnant using radionuclide studies after gastric resection] Mareev IuS, et al. **Sov Med** 1984;(3):49-54 (Eng. Abstr.) **(Rus)**

[Discrepancies between the results of cholegraphy and radioscintigraphy in evaluating the state of the extrahepatic bile ducts] Zubovskil GA, et al. **Vestn Rentgenol Radiol** 1983 Sep-Oct;(5):26-32 (Eng. Abstr.) **(Rus)**

[2-stage scintigraphy of the brain as a method of diagnosing vascular anomalies] Vlakhov N, et al. **Zh Vopr Neirokhir** 1983 Jul-Aug;(4):33-6 (Eng. Abstr.) **(Rus)**

[Clinical importance of the determination of blood volume by the dilution method using erythrocytes labelled with 99m Tc (technetium)] Gavrilović S. **Med Pregl** 1984; 37(1-2):41-5 (Eng. Abstr.) **(Scr)**

[A massive uptake of 99mTc-tin colloid in the lungs in standard scintigraphy of the liver and spleen] Lepej J, et al. **Vnitr Lek** 1984 Jan;30(1):55-9 (Eng. Abstr.) **(Slo)**

[Pulmonary perfusion scintigraphy. Feasibility of quantitative thoracic tomography using the detection of gamma ray dispersion from technetium-99m] Cuarón A. **Arch Inst Cardiol Mex** 1984 May-Jun;54(3):227-34 (Eng. Abstr.) **(Spa)**

[Experimental evaluation of a tomographic system of the thorax by detection of the dispersion of technetium-99m radiation] Cuarón A, et al. **Arch Inst Cardiol Mex** 1983 Nov-Dec;53(6):485-8 (Eng. Abstr.) **(Spa)**

[Bile duct scintigraphy in icteric syndrome of younger infants] Betancourt F, et al. **Rev Chil Pediatr** 1983 Jul-Aug; 54(4):237-40 (Eng. Abstr.) **(Spa)**

Gammaencephalography with Tc-99m DTPA in the diagnosis of ventriculitis] Olea E, et al. **Rev Chil Pediatr** 1983 Jul-Aug;54(4):233-6 (Eng. Abstr.) **(Spa)**

[Tc-99m pyrophosphate gammagraphy in the diagnosis of acute myocardial infarction. Review of 518 cases] Castro Beiras JM, et al. **Rev Clin Esp** 1984 Mar 15;172(5):251-6 (Eng. Abstr.) **(Spa)**

[Complex bilio-digestive anastomoses: scintillographic functional follow-up using Tc 99 HIDA] Gramática L, et al. **Rev Esp Enferm Apar Dig** 1984 Mar;65(3):249-51 (Eng. Abstr.) **(Spa)**

METABOLISM

The role of skeletal blood flow in determining the uptake of 99mTc-methylene diphosphonate. McCarthy ID, et al. **Calcif Tissue Int** 1983 Jul;35(4-5):508-11

Technetium-99m methylene diphosphonate accumulation in the diaphragm after severe ischemia. Howman-Giles R, et al. **Clin Nucl Med** 1983 Sep;8(9):416-7

Tc-99m MDP uptake in the lower extremity. An interesting artifact. Massie JD, et al. **Clin Nucl Med** 1983 Sep;8(9):447

Simultaneous measurement of renal clearance and plasma clearance of 99mTc-labelled diethylenetriaminepenta-acetate, 51Cr-labelled ethylenediaminetetra-acetate and inulin in man. Rehling M, et al. **Clin Sci** 1984 May;66(5):613-9

Assessment of skeletal uptake of 99mTc-diphosphonate over a five day period. Fogelman I, et al. **Eur J Nucl Med** 1983; 8(11):489-90

Underestimation of equilibrium radionuclide left ventricular ejection fraction due to myocardial uptake of 99mTc. Hoilund-Carlsen PF, et al. **Eur J Nucl Med** 1984;9(2):91-3

Transient intense gastric fixation of 99mTc-MDP. Wynchank S, et al. **Eur J Nucl Med** 1983;8(10):458-60

The in vitro stability in human plasma of two different technetium-99m-fibrinogen compounds. Spicher E, et al. **Experientia** 1984 Jun 15;40(6):543-4

Field and greenhouse experiments on the fate of technetium in plants and soil. Garten CT Jr, et al. **Health Phys** 1984 Mar;46(3):647-56

[99mTc]pyrophosphate and [125I]phenylphosphonate behavior in the infarcted rat myocardium. Castronovo FP, et al. **Int J Nucl Med Biol** 1984;11(1):55-9

The effect of iron-dextran on the biodistribution of technetium pyrophosphate. Choy D, et al. **Int J Nucl Med Biol** 1982;9(4):277-82

Comparison of biodistribution of 3H, 32P and 99mTc labeled Gpp(NH)p in tumor bearing hamsters. Zeichner SJ, et al. **Int J Nucl Med Biol** 1984;11(1):25-6

Experimental drug-induced changes in renal function and biodistribution of 99mTc-MDP. McAfee JG, et al. **Invest Radiol** 1983 Sep-Oct;18(5):470-8

Lung clearance of inhaled 99mTc-DTPA in the dog. Oberdörster G, et al. **J Appl Physiol** 1984 Aug;57(2):589-95

Tc-99m galactosyl-neoglycoalbumin: in vitro characterization of receptor-mediated binding. Vera DR, et al. **J Nucl Med** 1984 Jul;25(7):779-87

Tc-99m HIDA dosimetry in patients with various hepatic disorders. Wu RK, et al. **J Nucl Med** 1984 Aug; 25(8):905-12

Cumulated activities determined from biodistribution data in pregnant rats ranging from 13 to 21 days gestation. I. Tc-99m pertechnetate. Wegst AV, et al. **Med Phys** 1983 Nov-Dec;10(6):841-5

Correlation of skeletal uptake of 99mTc-diphosphonate and alkaline phosphatase before and after oral diphosphonate therapy in Paget's disease. Smith ML, et al. **Metab Bone Dis Relat Res** 1984;5(4):167-70

Tc-99m-galactosyl-neoglycoalbumin: in vivo characterization of receptor-mediated binding to hepatocytes. Vera DR, et al. **Radiology** 1984 Apr; 151(1):191-6

The effect of exercise on the deposition of an inhaled aerosol. Morgan WK, et al. **Respir Physiol** 1984 Jun;56(3):327-38

[Comparative estimation of monocompartmental methods of analyzing 99m-Tc-diethylenetriamine pentaacetic acid clearance by declining plasma levels with special reference to long term studies] Wüstenberg PW, et al. **Biomed Biochim Acta** 1983;42(5):547-59 (Eng. Abstr.) **(Ger)**

[Biokinetics of osteotropic radiopharmaceuticals in metabolic osteopathy—comparison of 47Ca and 99mTc-methylene-diphosphonate (MDP)] Knop J, et al. **Nuklearmedizin** 1983 Oct;22(5):226-31 (Eng. Abstr.) **(Ger)**

[Local blood flow and bone uptake of methylene-diphosphonate-technetium-99m. 2.] Vattimo A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1614-7 **(Ita)**

[Renal excretion of methylene-diphosphate-technium-99m. Preliminary observations] Vattimo A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1649-53 (Eng. Abstr.) **(Ita)**

[Cause for visualization of the liver in bone scintigraphy—the effect of the combined use of iron chondroitin sulfate (Blutal)] Tanaka S, et al. **Kaku Igaku** 1983 Sep; 20(8):1175-81 (Eng. Abstr.) **(Jpn)**

[Uptake of 99mTc-MDP by the lung and liver] Ohchida T, et al. **Rinsho Hoshasen** 1984 Mar;29(3):437-8 **(Jpn)**

STANDARDS

[Rapid quality-control procedures for 99mTc radiopharmaceuticals] Ando A, et al. **Radioisotopes** 1984 Apr;33(4):226-9 **(Jpn)**

[Current topics in radiopharmaceuticals in Japan (V). Quality of 'kit'-made radiopharmaceuticals (2)—Radiochemical purity of 99mTc radiopharmaceuticals] Yokoyama A. **Radioisotopes** 1984 Apr;33(4):237-46 (10 ref.) **(Jpn)**

[Current topics in radiopharmaceuticals in Japan. (IV). Quality control of 'Kit' made radiopharmaceuticals—radiochemical purity of 99mTc radiopharmaceuticals] Yokoyama A. **Radioisotopes** 1984 Mar;33(3):170-9 (22 ref.) **(Jpn)**

THERAPEUTIC USE

Changes of arterial blood flow patterns during infusion chemotherapy, as monitored by intra-arterially injected technetium 99m macroaggregated albumin. Bledin AG, et al. **Br J Radiol** 1984 Mar;57(675):197-203

TOXICITY

Radiation dosimetry and chemical toxicity considerations for 99Tc. Coffey JL, et al. **Health Phys** 1984 Feb;46(2):418-22

URINE

Urinary 99m-Tc-diphosphonate excretion as a simple method to quantify bone metabolism. Hyldstrup L, et al. **Scand J Clin Lab Invest** 1984 Apr;44(2):105-9

TECHNOLOGY

Experience with evaluation of knowledge in technical disciplines. Votruba L. **Acta Univ Carol [Med] (Praha)** 1983; 29(3-4):249-54

New technology in a pharmacy. Siecker BR. **Am Pharm** 1984 Mar;NS24(3):50-3

Technology impact: potential directions for laboratory medicine. **Ann NY Acad Sci** 1984;428:1-334

Pride and prejudice, or how to live with the environment. Lenihan JM. **Australas Phys Eng Sci Med** 1983 Apr-Jun; 6(2):55-8

Appropriate technology [letter] **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1829-30

Why new delivery systems? Calkins JM. **Contemp Anesth Pract** 1984;8:3-9

Graphic arts: a glimpse of the next decade. Staigh D. **Dimens Health Serv** 1983 Sep;60(9):54-6

Challenges for dietitians in a high tech/high touch society. Owen AL. **J Am Diet Assoc** 1984 Mar;84(3):285-9

Presidential address. Development and disease: a dual dilemma. Heyneman D. **J Parasitol** 1984 Feb;70(1):3-17

Implementing an industrial hearing conservation program in

the schools. Roeser RJ, et al. **J Sch Health** 1983 Sep; 53(7):408–11
Technology and Society. Steinbuch K. **Med Prog Technol** 1983;9(4):191–9
Biotechnology: US link for Cambridge venture [news] Beardsley T. **Nature** 1984 May 10–16;309(5964):107
Medicine and technology. Liebenau JM. **Perspect Biol Med** 1983 Autumn;27(1):76–92
Comparative risk analysis of technological hazards (a review). Kates RW, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):7027–38
Technology and rehabilitation: a productive partnership. **Rehabil Lit** 1983 Nov–Dec;44(11–12):361
Biotechnology as an intellectual property. Adler RG. **Science** 1984 Apr 27;224(4647):357–63
OMB challenges plan to regulate biotechnology [news] Sun M. **Science** 1984 May 4;224(4648):472
SMA lecture. Ethical consequences of technological change. Rajakumar MK. **Singapore Med J** 1984 Feb;25(1):1–5
Psycho-social factors and the technologies of work. Alcalay R, et al. **Soc Sci Med** 1983;17(16):1075–84
[Effect of the scientific and technological revolution on the environment under capitalism] Moldavskaia GK. **Gig Sanit** 1984 Jun;(6):25–9 **(Rus)**
[Optimizing the vocational activity of the visually handicapped in the manufacture of electrotechnical products from phenoplasts in enterprises of the Ukrainian Work Association of the Blind] Ferfil'fain IL, et al. **Oftalmol Zh** 1984;(2):117–8 **(Rus)**
[University technico-scientific cooperation in Latin America and the response of international organizations] Ferreira JR. **Educ Med Salud** 1984;18(1):1–8 **(Spa)**

INSTRUMENTATION

Getting the data: reducing confusion with the computer. Schultz DG, et al. **Contemp Anesth Pract** 1984;8:149–63
[Reduction of local muscle strain by designing a pneumatic drill for assembly work] Ballé W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Oct;33(10):316–21 **(Ger)**
[New technology in printing] Selezneva NM, et al. **Gig Tr Prof Zabol** 1983 Oct;(10):50–1 **(Rus)**

TECHNOLOGY ASSESSMENT, BIOMEDICAL

Reimbursement for psychotherapy. Linking efficacy research and public policymaking. Banta HD, et al. **Am Psychol** 1983 Aug;38(8):918–23
The National Center for Health Care Technology. Assessment of psychotherapy for policymaking. Perry S. **Am Psychol** 1983 Aug;38(8):924–8
Electroconvulsive therapy. **Aust Clin Rev** 1983 Dec;(11):32–5
Appropriate technology [editorial] Elliott K. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1251–2
Taming high technology [editorial] Smith T. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):393–4
Technology issues for the new physician. Brandt EN Jr. **Bull NY Acad Med** 1984 Apr;60(3):240–6
High tech: can it ever replace the "bedside manner"? Burson H. **Bull NY Acad Med** 1984 Apr;60(3):247–53
Continuous ambulatory peritoneal dialysis: no longer experimental. Wu G, et al. **Can Med Assoc J** 1984 Mar 15;130(6):699–707
Diagnostic technologies—assessing their merits. Drummond MF, et al. **Dimens Health Serv** 1983 Dec;60(12):35–6
The clinical context of technology assessment. Smits HL. **J Health Polit Policy Law** 1984 Spring;9(1):31–40
Health activities of the U.S. Office of Technology Assessment. Banta HD. **J Med Eng Technol** 1983 Jul–Aug; 7(4):173–9
The advance of NMR [editorial] **Lancet** 1984 Jan 7; 1(8367):21–3
Cardiac nuclear imaging. Adoption of an evolving technology. Pozen MW, et al. **Med Care** 1984 Apr; 22(4):343–8
Federal Policy toward health care technology: the case of the National Center. Blumenthal D. **Milbank Mem Fund Q** 1983 Fall;61(4):584–613
The cost of underutilization. Percutaneous transluminal angioplasty for peripheral vascular disease. Doubilet P, et al. **N Engl J Med** 1984 Jan 12;310(2):95–102
Technology assessment, a private-public partnership [editorial] Brandt EN Jr. **Public Health Rep** 1984 Jul–Aug; 99(4):329–30
The American Medical Association and technology assessment. Smith WJ. **RI Med J** 1984 Mar;67(3):113–5
America dominates in biotechnology [news] Norman C. **Science** 1984 Feb 3;223(4635):463
Social science research on medical technology: utility and limitations. Banta HD. **Soc Sci Med** 1983;17(18):1363–9 (55 ref.)

ECONOMICS

One view. Who witholds? Mackintosh CE. **Br J Hosp Med** 1983 Sep;30(3):195

METHODS

Clinical evaluation of imaging tests: Part I—The basics. Royal HD. **Med Instrum** 1983 Sep–Oct;17(5):325–8

STANDARDS

Experiences with evaluating the safety and efficacy of medical technologies. Moses LE, et al. **Annu Rev Public Health** 1984;5:267–92 (40 ref.)

TECHNOLOGY, DENTAL

Science and technology – dreams and reality. Robertson R. **J Dent Res** 1984 Mar;63(3):371–3
[108th annual meeting of the German Society of Dentistry and Oral Medicine. Berlin 1983. Poster sessions] **Dtsch Zahnarztl Z** 1984 Feb;39(2):73–189 **(Ger)**

TECHNOLOGY, FOOD see **FOOD TECHNOLOGY**

TECHNOLOGY, HIGH-COST

ECONOMICS

The ethics and economics of high-technology medicine. Debakey ME, et al. **Compr Ther** 1983 Dec;9(12):6–16 (20 ref.)
The case for high tech [editorial] **Indiana Med** 1984 Feb; 77(2):113
Economic costs of nuclear magnetic resonance imaging. Evens RG. **J Comput Assist Tomogr** 1984 Apr;8(2):200–3

HISTORY

Medical achievements this century—high technology or community health approach. Brady AP. **Ir J Med Sci** 1983 Nov;152(11):413–9

STANDARDS

High-tech medicine in the Caribbean: 25 years of Cuban health care [letter] **N Engl J Med** 1984 Jul 5;311(1):60–1

TRENDS

High technology medicine: a luxury we can afford? [editorial] **Lancet** 1984 Jul 14;2(8394):77–8

TECHNOLOGY, MEDICAL

Adoption and diffusion of a new imaging technology: a magnetic resonance imaging prospective. Hillman BJ, et al. **AJR** 1984 Oct;143(4):913–7
Clinical laboratory scientists: alternative roles in industry. Spalding MA. **Am J Med Technol** 1983 Jul;49(7):501–2
Technology impact: potential directions for laboratory medicine. **Ann NY Acad Sci** 1984;428:1–334
Medical ultrasound: is there a hazard? Repacholi MH. **Australas Phys Eng Sci Med** 1983 Apr–Jun;6(2):64–70 (41 ref.)
The acquisition and development of technical resources: a personal view. Davidson L. **Health Bull (Edinb)** 1984 Jan; 42(1):5–12
An inhomogeneous thermal block model of man for the electromagnetic environment. Chatterjee I, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):707–15
New microprocessor-based insulin controller. Marshall TG, et al. **IEEE Trans Biomed Eng** 1983 Nov;30(11):689–95
Characterization of flow in intravenous infusion systems. Philip BK, et al. **IEEE Trans Biomed Eng** 1983 Nov; 30(11):702–7
Experimental medical devices, drugs and techniques. Their future social, medical and political implications (Part 1). Bowen OR. **Indiana Med** 1984 Jun;77(6):450–3
Machines and the physician [letter] **JAMA** 1984 May 18; 251(19):2514
Technical zeal or therapeutic purpose—how to decide? Crawshaw R. **JAMA** 1983 Oct 14;250(14):1857–9
Has the machine become the physician? [editorial] Grouse LD. **JAMA** 1983 Oct 14;250(14):1891
Rabbinic comment: Triage of resources. Tendler MD. **Mt Sinai J Med (NY)** 1984 Jan–Feb;51(1):106–9
Chronic disease in children: current controversies and technical advances. Pless IB. **Pediatr Clin North Am** 1984 Feb;31(1):259–73
Making medical school fun while keeping pace with science and technology. Chapman DM. **Pharos** 1984 Winter; 47(1):29–34
Is practical utilization of new technological possibilities inevitable? Mohr J. **Prog Clin Biol Res** 1983;128:319–31
Commercial biotechnology [editorial] Abelson PH. **Science** 1984 Mar 23;223(4642):1253
Medical technology and professional dominance theory. Greer AL. **Soc Sci Med** 1984;18(10):809–17
Appropriate technology for clinical medicine in the developing world [editorial] Cook GC. **Trop Doct** 1984 Apr;14(2):49–50
[Death in the light of medical technology] Dunning AJ. **Ned Tijdschr Geneeskd** 1983 Dec 10;127(50):2291–3 **(Dut)**
[Proceedings of the 17th annual meeting of the German Society for Biomedical Technology, 5–6 May 1983, Erlangen. Abstracts] **Biomed Tech (Berlin)** 1983 May;28 Suppl:138 p. **(Ger)**
[Feasibility and lasers] Heppner F. **Fortschr Med** 1984 Jun 21;102(23):74–5 **(Ger)**
[The Spacelab and biomedicine in space: initial results and prospects] Tarentini Trojani F. **Clin Ter** 1984 Mar 31; 108(6):551–4 **(Ita)**
[Measures for raising the efficiency of invention and patent-licensing work in a technical field] Eldinov SM. **Med Tekh** 1984 May–Jun;(3):37–40 **(Rus)**
[Medical Worker's Day] Noskova TI. **Med Tekh** 1984 May–Jun;(3):3–4 **(Rus)**

ECONOMICS

Prospective payment: implications for medical technology [editorial] Ball JR. **Ann Intern Med** 1984 Apr;100(4):606–7
Effects of increased competition in health care on the use and innovation of medical technology. Sisk JE. **Health Care Manage Rev** 1984 Summer;9(3):21–34
Technology and the cost of care [letter] Bragg DG. **Hosp Pract [Off]** 1984 Jul;19(7):21
Keeping abreast of technology. diMonda R. **Hospitals** 1984 Jan 16;58(2):85, 89–90
Technology acquisition poses thorny dilemma to hospitals. Goodhart MD. **Hospitals** 1984 Jul 16;58(14):FB34, FB38, FB42
Technology costs and rationing issues. Richards G. **Hospitals** 1984 Jun 1;58(11):80–6
Impact of financing on medical technology. Fisher GR 3d. **Penn Med** 1983 Jul;86(7):32–4
[Medical technology, a problem?] Greep JM, et al. **Ned Tijdschr Geneeskd** 1984 May 26;128(21):1009–13 **(Dut)**
[The economics and evaluation of medical technology] Jonsson K, et al. **Lakartidningen** 1984 Mar 21; 81(12):1169–73 **(Swe)**
[Medical technology and economics, and the secondary effects on the society] Vang J. **Lakartidningen** 1984 Mar 21;81(12):1175–81 **(Swe)**

EDUCATION

Special training under simulated stat lab conditions. Green MM, et al. **Am J Med Technol** 1983 Dec;49(12):899–902
The preparation of simulated spinal fluid for teaching purposes. Lofsness KG, et al. **Am J Med Technol** 1983 Jul;49(7):493–6
An investigation of the cognitive styles of 76 associate degree medical laboratory technology students. Mays BB. **Am J Med Technol** 1983 Oct;49(10):719–22
Utilization of cognitive style mapping in conjunction with individualized instruction. Morris FJ. **Am J Med Technol** 1983 Oct;49(10):723–5
A study of learning style preferences of medical technology and physical therapy students. Vittetoe MC. **Am J Med Technol** 1983 Sep;49(9):661–4
Development of professional competence via self-instructional units. Fiene MA, et al. **J Allied Health** 1984 May;13(2):124–9
Practical procedures in internal medicine: a workshop for fourth-year medical students. Frank S, et al. **J Med Educ** 1983 Oct;58(10):784–7
Clinical immunology: a comprehensive educational simulation. Aloisi RM, et al. **Lab Res Methods Biol Med** 1983;8:79–88
Assessment of students' experiences in technical procedures in a medical clerkship. Hunskaar S, et al. **Med Educ** 1983 Sep;17(5):300–4
[Possibilities and limitations in clinical toxicology analysis] König H. **Z Med Lab Diagn** 1983;24(5):suppl 3–12 **(Ger)**
[Competitive examinations for laboratory assistants in clinical and diagnostic laboratories] Gorpiniuk OI. **Lab Delo** 1983; (12):55 **(Rus)**
[Accreditation of educational programs and certification of laboratory and radiology technicians in the United States] Gleich CS. **Educ Med Salud** 1984;18(2):136–49 (Eng. Abstr.) **(Spa)**

HISTORY

Technology, specialization, and the allied health professions. Reiser SJ. **J Allied Health** 1983 Aug;12(3):177–82

INSTRUMENTATION

Novel electrochemical sensors for clinical analysis. Lowe CR, et al. **Biochem Soc Trans** 1983 Aug;11(4):448–51
[Systems analysis in medical technology] Opalev AA, et al. **Med Tekh** 1983 Jul–Aug;(4):31–4 (Eng. Abstr.) **(Rus)**

STANDARDS

Limits of detection and quantification, as applied to an assay for digoxin. Kalman SM, et al. **Clin Chem** 1984 Apr; 30(4):515–7
Medical technology assessment: an emerging evaluation methodology [editorial] Collen MF. **Methods Inf Med** 1984 Jan;23(1):1–3
Voluntary standardization of medical devices and procedures. Kaufman HH. **Neurosurgery** 1983 Oct; 13(4):464–70
Senate wants Academy to assess medical technology [news] Fox JL. **Science** 1984 Aug 3;225(4661):489
[Long-range planning—one of the ways of improving the quality of medical technology] Chliants G. **Med Tekh** 1983 Sep–Oct;(5):51–2 **(Rus)**
[Work productivity—toward new higher levels] Iurskova ZF. **Med Tekh** 1983 Sep–Oct;(5):3–7 **(Rus)**

TRENDS

The managers are coming: administrative rationality and life

in tomorrow's laboratory. Kimberly JR. **Am J Med Technol** 1983 Nov;49(11):787–93
University–Industrial Relationships. Herdman RC. **Cancer Invest** 1984;2(1):61–6
Conspectus. Sensing the internal milieu [editorial] Horwitz DL. **Compr Ther** 1983 Nov;9(11):3–4
Biotechnology and medicine. Calton GJ. **Cutis** 1984 Apr; 33(4):375–6, 378
Telemedicine in Canada: an overview. Dunn EV, et al. **Dimens Health Serv** 1984 Jul;61(7):16–8
Humanizing care—patient vs. machine. Durbach E, et al. **Dimens Health Serv** 1984 Jul;61(7):15
Assessing and diffusing today's medical technologies. Hanley JA, et al. **Dimens Health Serv** 1984 Jul;61(7):10–4, 18
Closing remarks. Paradoxes in diagnostic imaging. Hegedüs V. **Eur J Radiol** 1983 Aug;3 Suppl 1:305–7
The case of Baby Jane Doe. 1. Spina bifida: the state of the art of medical management. Gallo A. **Hastings Cent Rep** 1984 Feb;14(1):10–3
The growth of technology and corporate profit–making in the clinical laboratories. Levitt J. **J Health Polit Policy Law** 1984 Winter;8(4):732–42
Demographic changes and the need for health technology. Marshall WA. **J R Soc Health** 1983 Dec;103(6):222–6
Obstetric practice in Finland, 1950–1980. Changes in technology and its relation to health. Hemminki E. **Med Care** 1983 Dec;21(12):1131–43
40 years of instrumentation for medicine. Farmer FT. **Phys Med Biol** 1984 Feb;29(2):139–43
Boom time for British biotechnology? [news] Dickson D. **Science** 1984 Apr 13;224(4645):136–8
[The Medical Equipment Manufacturers Union in the 4th year of the 11th Five–Year Plan] Glushnev VD. **Med Tekh** 1984 Jan–Feb;(1):3–5 **(Rus)**
[Production of medical equipment in the 4th year of the 11th 5–year plan] Neugodov PP. **Med Tekh** 1983 Nov–Dec; (6):3–5 **(Rus)**
[Medical aspects of the problem of physico–chemical biology and biotechnology] Dziublik RF, et al. **Vrach Delo** 1984 Jun;(6):81–2 (Eng. Abstr.) **(Rus)**
[Developmental prospects in biotechnology and the legal possibilities in acknowledging as inventions achievements in this field] Vorob'ev AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):13–9 **(Rus)**
[Methods of predicting the development of science and technology in the health care system of Slovakia up to the year 2000] Križková M. **Cesk Zdrav** 1983 Oct; 31(10):426–32 (Eng. Abstr.) **(Slo)**

TECHNOLOGY, PHARMACEUTICAL

see related

DRUG INDUSTRY

Special considerations in the use of vertical laminar–flow workbenches. Avis KE, et al. **Am J Hosp Pharm** 1984 Jan; 41(1):81–7
The effects of binder film characteristics on granule and tablet properties. Reading SJ, et al. **J Pharm Pharmacol** 1984 Jul; 36(7):421–6
The development of self–originated new drugs by Swiss pharmaceutical firms, 1960–1980. Mattison N, et al. **Regul Toxicol Pharmacol** 1984 Jun;4(2):157–73
Commercial biotechnology [editorial] Abelson PH. **Science** 1984 Mar 23;223(4642):1253
Microbial biotechnology in industry and medicine. Keen H. **Trans Med Soc Lond** 1981–82;98:53–8
[Studies on decoction prepared by conventional and thermoflask method] Chang MY. **Chung Yao Tung Pao** 1983 Sep;8(5):19–21 **(Chi)**
[On the relation between drug processing and medical treatment] Duan GC. **Chung Yao Tung Pao** 1984 Jan; 9(1):15–7 **(Chi)**
[Studies on the processing method of Strychnos nux–vomica] Gong LG. **Chung Yao Tung Pao** 1984 Mar;9(2):19–21 **(Chi)**
[Processing of Chinese traditional medicine by old timing methods] Guo RK. **Chung Yao Tung Pao** 1983 Jul;8(4):24–6 **(Chi)**
[Preparation of Chinese traditional drugs in small pieces] Ma BS. **Chung Yao Tung Pao** 1983 Sep;8(5):41–5 **(Chi)**
[Comparative studies on the preparation of Chinese traditional medicine by spray–drying] Shang YH. **Chung Yao Tung Pao** 1984 Mar;9(2):23–5 **(Chi)**
[Processing of apricot kernels] Sun JJ. **Chung Yao Tung Pao** 1983 Jul;8(4):18–20 **(Chi)**
[Dissolution rate of decoction prepared by Zhang Zhong–Jing's Method] Sun QM. **Chung Yao Tung Pao** 1983 Nov;8(6):22–4 **(Chi)**
[Processing of Chinese drugs as one of the important ways of studying Chinese materia medica] Tan ZY. **Chung Yao Tung Pao** 1984 Jan;9(1):2–5 **(Chi)**
[The processing of Atractylodes macrocephala by stir–frying with wheat bran] Wang CS. **Chung Yao Tung Pao** 1983 Sep;8(5):18–9 **(Chi)**
[Application of scientific analysis to remove precipitation in the process of preparing Chinese medicine] Ye QH. **Chung Yao Tung Pao** 1984 Jan;9(1):25–6 **(Chi)**
[On the processing method of several Chinese traditional drugs] Yuan KX. **Chung Yao Tung Pao** 1984 Mar;9(2):18–9 **(Chi)**
[Factors influencing the energy demand in the pressing of tablets. I] Kovács B. **Acta Pharm Hung** 1983 Nov; 53(6):273–9 (Eng. Abstr.) **(Hun)**
[A new secondary chemical: the purity of products] Cernia E. **Ann Ist Super Sanita** 1982;18(4):637–40 **(Ita)**
[Development of methods of ultra–fine size reduction of slightly soluble medicinal crystals (2). Factors affecting the ultra–fine size reduction of oxolinic acid crystals] Hirakawa Y, et al. **Yakugaku Zasshi** 1983 Jun;103(6):690–5 (Eng. Abstr.) **(Jpn)**

HISTORY

[Mátyás Rozsnyay, pioneer of pharmaceutical technology in Hungary] Kempler K. **Orv Hetil** 1984 Jul 22; 125(30):1832–4, 1837 **(Hun)**

INSTRUMENTATION

The evaluation of an automatic system for filling liquids into hard gelatin capsules. McTaggart C, et al. **J Pharm Pharmacol** 1984 Feb;36(2):119–21
Measurement of acceleration in a rotary tablet machine. Watt PR. **J Pharm Pharmacol** 1983 Nov;35(11):746
[Equipment and mechanization of the production of Chinese traditional medicine] Ye SG. **Chung Yao Tung Pao** 1983 Jul;8(4):20–3 **(Chi)**
[Development of gas–driven pump intended for implantation for long–term administration of drugs] Sadjak A, et al. **Arzneimittelforsch** 1983;33(9):1342–5 (Eng. Abstr.) **(Ger)**
[Construction, operation and initial experience with a laboratory apparatus for fluid–bed coating of particles] Kala H, et al. **Pharmazie** 1983 Dec;38(12):879–81 (Eng. Abstr.) **(Ger)**

STANDARDS

Technology policy and planning in the Third World pharmaceutical sector: the Cuban and Caribbean community approaches. Thrupp LA. **Int J Health Serv** 1984;14(2):189–216
Validation of filtration processes used for sterilization of liquids. Hardwidge EA, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):37–43
[Purity requirements for drugs] Battaglino G. **Ann Ist Super Sanita** 1982;18(4):615–20 **(Ita)**
[Examples of purity criteria for steroid drugs] Cavina G, et al. **Ann Ist Super Sanita** 1982;18(4):677–80 **(Ita)**
[Criteria of purity and specifications, an essential premise to the beginning of any toxicological investigation] Gatti GL. **Ann Ist Super Sanita** 1982;18(4):641–2 **(Ita)**
[Work productivity—toward new higher levels] Iurskova ZF. **Med Tekh** 1983 Sep–Oct;(5):3–7 **(Rus)**

TRENDS

Current trends in new drug research in the People's Republic of China. Shen CC, et al. **Med Res Rev** 1984 Jan–Mar; 4(1):47–86 (135 ref.)

TECHNOLOGY, RADIOLOGIC

Radiographic demonstration of a liquid surface bounded by a partially wettable solid surface. Nilson AE. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):81–93
The impact of new imaging technology on health care, research, and teaching: 1. Current status. **AJR** 1983 Dec; 141(6):1335–50
Society of Photo–Optical Instrumentation Engineers: Abstracts from application of optical instrumentation in medicine. XI conference. **AJR** 1983 Dec;141(6):1355–62
Noise analysis of a digital radiography system. Arnold BA, et al. **AJR** 1984 Mar;142(3):609–13
Patient exposure requirements for high contrast resolution in digital radiographic systems. Rimkus D, et al. **AJR** 1984 Mar;142(3):603–8
Single–slit digital radiography: some practical considerations. Tesic MM, et al. **AJR** 1984 Apr;142(4):697–702
Technological advances in radiology. Blecher C. **Aust Fam Physician** 1983 Jun;12(6):449–50, 452
Layer thickness in tomography. Kerrigan GC. **Australas Phys Eng Sci Med** 1984 Jan–Mar;7(1):19–23
The radiology of cardiac pacemakers. Steiner RM, et al. **Cardiovasc Clin** 1983;14(2):63–95 (57 ref.)
Dual energy computerized tomography: a simplified approach. Clasen RA, et al. **Comput Radiol** 1983 Jul–Aug; 7(4):261–6
Consensus Development Conference on endoscopy. Other diagnostic approaches to upper gastrointestinal bleeding: utility of contrast radiology. Herlinger H. **Dig Dis Sci** 1981 Jul;26(7 Suppl):76S–77S
A method for testing automatic exposure controls in diagnostic radiology: three phase generators. Hale J. **Health Phys** 1984 May;46(5):1143–6
International symposium on the impact of new imaging technology [editorial] MacEwan DW. **J Can Assoc Radiol** 1983 Dec;34(4):256–7
A distribution system for digital images from diverse image sources. Incorporating a local area network in an imaging environment. Noz ME, et al. **J Med Syst** 1983 Aug; 7(4):349–61
Machines and people: who and what are important? [editorial] Jacobson HG. **JAMA** 1984 Sep 7;252(9):1181–2
Radiographic image subtraction in gas ionography. Fallone BG, et al. **Med Phys** 1984 Jan–Feb;11(1):47–9
Investigation of basic imaging properties in digital radiography. I. Modulation transfer function. Giger ML, et al. **Med Phys** 1984 May–Jun;11(3):287–95
Combining multiple–imaging techniques for in vivo pathology: a quantitative method for coupling new imaging modalities. Gordon R. **Med Phys** 1984 Jan–Feb;11(1):79–80
Computed tomography from ordinary radiographs for teleradiology. Rangayyan RM, et al. **Med Phys** 1983 Sep–Oct;10(5):687–90
Theoretical derivation of x–ray target distribution using known image and object distributions [letter] Waggener RG. **Med Phys** 1983 Nov–Dec;10(6):914–5
Calibration procedure in dual–energy scanning using the basis function technique. Wong CK, et al. **Med Phys** 1983 Sep–Oct;10(5):628–35
Radiography in a secure isolation unit. Walters A, et al. **Radiography** 1984 Jan;50(589):11–3
Communication skills for the radiologic technologist. Statkiewicz MA. **Radiol Technol** 1983 Jul–Aug; 54(6):449–54
Absolute speeds of screen–film systems and their absorbed–energy constants. Kodera Y, et al. **Radiology** 1984 Apr;151(1):229–36
Radiographic film fog in the darkroom. Suleiman OH, et al. **Radiology** 1984 Apr;151(1):237–8
Determination of C lambda for a graphite–walled reference ionization chamber. Kannan A, et al. **Strahlentherapie** 1984 Jan;160(1):35–8
[Microprocessing and radiologic or ultrasonographic studies: examples of programs and their applications] Duvauferrier R, et al. **Ann Radiol (Paris)** 1983 Dec;26(8):655–64 (Eng. Abstr.) **(Fre)**
[Structuralist reading of radiologic images] Wackenheim A. **J Radiol** 1984 Feb;65(2):61–9 (Eng. Abstr.) **(Fre)**
[Effects of beam weakening and beam hardening on the measured CT values] Schultz E, et al. **Computertomographie** 1981 Jun;1(2):83–8 (Eng. Abstr.) **(Ger)**
[Practical experiences in the determination of tube voltage using the Ardran–Crooks cassette] Ewen K, et al. **Rontgenblatter** 1984 Jan;37(1):21–5 (Eng. Abstr.) **(Ger)**
[The development of slit pictures] Heckmann K. **Rontgenblatter** 1984 Jan;37(1):29–39 (Eng. Abstr.) **(Ger)**
[Contrast radiography of the colon—results of a survey of 190 clinics in West Germany and West Berlin] Winter J, et al. **Roatgenpraxis** 1984 Feb;37(2):44–7 **(Ger)**
[Large mantle fields—indication, technic, tolerance and side effects] Hübener KH, et al. **Strahlentherapie** 1984 Jun; 160(6):366–72 (Eng. Abstr.) **(Ger)**
[Reproducibility of x–rays of the spinal column while standing] Bernau A. **Z Orthop** 1984 Mar–Apr;122(2):150–1 (Eng. Abstr.) **(Ger)**
[Latest technology in medical imaging: digital x–ray and NMR imaging] Iinuma T. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):527–31 **(Jpn)**
[Medical image processing] Onoe M. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):532–5 **(Jpn)**
[A study on the efficiency of the serial radiography of the distal esophagus] Maki T, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):159–62 (Eng. Abstr.) **(Jpn)**
[The efficacy of small bowel follow–through radiography as a routine examination following the upper G.I. series] Tokuda M, et al. **Rinsho Hoshasen** 1984 Jan;29(1):163–6 (Eng. Abstr.) **(Jpn)**
[Inventions and research management in roentgenology and radiology] Gorbushin NG. **Med Radiol (Mosk)** 1984 Jun; 29(6):48–52 **(Rus)**
[Technics of interventional radiology and their application] Cáceres J. **Med Clin (Barc)** 1983 Nov 5;81(14):634–9 **(Spa)**

EDUCATION

Psychosocial development of the radiography student. Dowd SB. **Radiol Technol** 1984 Mar–Apr;55(4):101–4
A review of academic tenure in radiologic technology. Dowd SB. **Radiol Technol** 1984 May–Jun;55(5):162–5
Radiologic technology educators and andragogy. Galbraith MW, et al. **Radiol Technol** 1984 May–Jun;55(5):147–51
Individualized instruction: educational theory or practical method? Maynard PR. **Radiol Technol** 1983 Jul–Aug; 54(6):466–72
Methods to assist the disadvantaged learner in radiologic technology. Meyers PI. **Radiol Technol** 1983 Jul–Aug; 54(6):480–4
The effectiveness of self–instruction versus traditional classroom instruction: a comparison in an associate of science degree program in radiologic technology. Slothus RJ. **Radiol Technol** 1984 Jul–Aug;55(6):239–44
Basic quantitative analysis of classroom tests in radiologic technology. Weinstein RD. **Radiol Technol** 1984 Mar–Apr; 55(4):90–5
[Accreditation of educational programs and certification of laboratory and radiology technicians in the United States] Gleich CS. **Educ Med Salud** 1984;18(2):136–49 (Eng. Abstr.) **(Spa)**

HISTORY

Recollections of a veteran [interview by Peter Center] Coombs WH. **Radiography** 1983 Oct;49(586):235–8

INSTRUMENTATION

A roentgen stereophotogrammetric system. Construction,

calibration and technical accuracy. Selvik G, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):343–52

Radiology in Greenland: control from 5000 km. Hegedüs V, et al. **AJR** 1984 Aug;143(2):425–8

Radiographic assessment of acetabular cup orientation. A new design concept. Chandler DR, et al. **Clin Orthop** 1984 Jun;(186):60–4

Acceptance testing and quality assurance of automated scanning film densitometers used in the dosimetry of electron and photon therapy beams. Holmes TW, et al. **Med Phys** 1983 Sep–Oct;10(5):698–700

An equivalent squares template. Rosen II, et al. **Med Phys** 1983 Nov–Dec;10(6):892–4

[Effective prefiltration of roentgen tubes and its amount in aluminum equivalent units] Meiler J. **Rontgenblatter** 1984 Jun;37(6):223–5 (Eng. Abstr.) **(Ger)**

[Image processing techniques—focus on software. 2. Hardware and software for image data processing. 2) Digital radiography] Ishida M, et al. **Iyodenshi To Seitai Kogaku** 1984 Feb;22(1):53–60 (18 ref.) **(Jpn)**

[Current control of image quality in a radiology laboratory] Wójtowicz J. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug; 47(4):335–41 (45 ref.) **(Pol)**

[Effect of the x-ray tube anode current on the intensity and energy spectrum of the radiation] Blinov NN, et al. **Med Tekh** 1984 May–Jun;(3):22–5 (Eng. Abstr.) **(Rus)**

[Optimal conditions for the formation of a radiation beam in gamma-therapeutic equipment] Vatnitskii SM, et al. **Med Tekh** 1984 Mar–Apr;(2):27–9 (Eng. Abstr.) **(Rus)**

[Method of preparing a reproduction from x-rays] Vesnin AG, et al. **Vestn Rentgenol Radiol** 1983 May–Jun;(3):90 **(Rus)**

[Flow thermal protector R 100 for the 3-phase synchronous electric motor in the Chiratrix apparatus] Dolinský A. **Cesk Radiol** 1983 Aug;37(5):327–30 **(Slo)**

MANPOWER

Quality assurance in radiation therapy: clinical and physical aspects. Manpower requirements in training and certification of technologists and dosimetrists. Gerber RL. **Int J Radiat Oncol Biol Phys** 1984 Jun;10 Suppl 1:127–30

Radiation therapy technology manpower needs 1982. Rominger CJ, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1875–80

Productivity-based relative value units for radiology procedures. A Delphi approach. Birdsall L.L., et al. **J Med Syst** 1983 Dec;7(6):555–65

Radiation therapy technology: profile of a profession. McLees E, et al. **Radiol Technol** 1984 Jan–Feb;55(3):25–33

[Use of a radiodiagnostic liver phantom for assessing personnel qualifications] Panfilova NP, et al. **Med Tekh** 1983 Nov–Dec;(6):34–6 (Eng. Abstr.) **(Rus)**

METHODS

Dose reduction in paediatric radiology using rare earth filtration. Fleay RF, et al. **Pediatr Radiol** 1984;14(5):332–4

STANDARDS

Processor stripes. **Radiol Technol** 1984 Jul–Aug;55(6):251–2

Light fog: picture of a problem. Malott JC, et al. **Radiol Technol** 1984 Mar–Apr;55(4):105–6

Re: Standardization of video and digital formats [letter] Gray JE. **Radiology** 1983 Nov;149(2):604–5

[Objective evaluation of information assessment on radiologic images] Iinuma T. **Rinsho Hoshasen** 1981 Dec; 26(13):1397–400 **(Jpn)**

[International Electrotechnical Commission standards on roentgen technology] Chikirdin EG. **Med Tekh** 1983 Nov–Dec;(6):31–3 (Eng. Abstr.) **(Rus)**

TRENDS

International symposium. The impact of new imaging technology on health care, research, and teaching: 2. What is to be expected in the future? **AJR** 1984 Jan; 142(1):183–204

[Radiology, radiodiagnosis, medical imagery...life, survival and future of a discipline] Lamarque JL. **Rev Med Interne** 1983 Sep;4(3):211–4 **(Fre)**

[Progress in the management of digital imaging] Akatsuka T. **Nippon Rinsho** 1983 Jul;41(7):1372–82 **(Jpn)**

[The foreseeable future of diagnostic radiology] Lindenbraten L. **Med Radiol (Mosk)** 1984 May;29(5):4–12 **(Rus)**

TECTORIAL MEMBRANE see under **COCHLEA**

TECTUM MESENCEPHALI see **CORPORA QUADRIGEMINA**

TEENAGE PREGNANCY see **PREGNANCY IN ADOLESCENCE**

TEFLON see **POLYTETRAFLUOROETHYLENE**

TEGMENTUM MESENCEPHALI

Reinstatement of heroin and cocaine self-administration behavior in the rat by intracerebral application of morphine in the ventral tegmental area. Stewart J. **Pharmacol Biochem Behav** 1984 Jun;20(6):917–23

ANATOMY & HISTOLOGY

Efferent connections of the dorsal tegmental region in the rat, studied by means of anterograde transport of the lectin Phaseolus vulgaris-leucoagglutinin (PHA-L). Groenewegen HJ, et al. **Brain Res** 1984 Jun 25; 304(2):367–71

Comparative anatomical study of the tegmentomammillary projections in some mammals: a horseradish peroxidase study. Hayakawa T, et al. **Brain Res** 1984 May 23; 300(2):335–49

The anuran superficial reticular nucleus: evidence of homology with nuclei of the lateral lemniscus. Rose GJ, et al. **Brain Res** 1984 Jun 18;304(1):170–2

Efferent projections of the interpeduncular complex in the rat, with special reference to its subnuclei: a retrograde horseradish peroxidase study. Shibata H, et al. **Brain Res** 1984 Apr 2;296(2):345–9

Comparative morphology of the substantia nigra and ventral tegmental area in the monkey, cat and rat. Poirier LJ, et al. **Brain Res Bull** 1983 Sep;11(3):371–97

Neuro-anatomical feature photo: mesencephalon. Barton NB, et al. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):283–4

Changes in the topographically organized connections between the nucleus isthmi and the optic tectum after partial tectal ablation in adult goldfish. Dunn-Meynell AA, et al. **J Comp Neurol** 1984 Aug 20;227(4):497–510

The subnuclear organization of the rat interpeduncular nucleus: a light and electron microscopic study. Hamill GS, et al. **J Comp Neurol** 1984 Jan 20;222(3):396–408

Neurotensin in the ventromedial mesencephalon of the rat: anatomical and functional considerations. Kalivas PW. **J Comp Neurol** 1984 Jul 10;226(4):495–507

Light and electron microscopic observations of the oculomotor nucleus in the frog, Rana ridibunda. Muñoz M, et al. **J Hirnforsch** 1983;24(4):425–35

A light and electron microscope study of the basal optic system in the reptile Vipera aspis. Rio JP, et al. **J Hirnforsch** 1983;24(4):447–69

Fluorescent retrograde triple labeling of brainstem reticular neurons. Bentivoglio M, et al. **Neurosci Lett** 1984 May 4; 46(2):121–6

Differential distribution of diagonal band afferents to subnuclei of the interpeduncular nucleus in rats. Hamill GS, et al. **Neurosci Lett** 1984 Jul 13;48(1):43–8

Autoradiographic labeling of the cholinergic habenulo-interpeduncular projection. Villani L, et al. **Neurosci Lett** 1983 Dec 11;42(3):261–6

Substantia nigra and ventral tegmental area projections to cortex: topography and collateralization. Loughlin SE, et al. **Neuroscience** 1984 Feb;11(2):425–35

Organization and efferent projections of nucleus tegmenti pedunculopontinus pars compacta with special reference to its cholinergic aspects. Sugimoto T, et al. **Neuroscience** 1984 Apr;11(4):931–46

BLOOD SUPPLY

Blood supply of the tegmentum mesencephali in dog. Majewska-Michalska E. **Folia Morphol (Warsz)** 1984; 43(1):35–41

DRUG EFFECTS

Self-stimulation of the prefrontal cortex after microinjections of pimozide and GABA into the prefrontal cortex or ventrotegmental area in the rat. Sanguinetti AM, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):211–6

Neurotensin: a new 'reward peptide'. Glimcher PW, et al. **Brain Res** 1984 Jan 16;291(1):119–24

Morphine-induced activation of A10 dopamine neurons in the rat. Gysling K, et al. **Brain Res** 1983 Oct 24; 277(1):119–27

Functional recovery following transplantation of ventral mesencephalic cells in rat subjected to 6-OHDA lesions of the mesolimbic dopaminergic neurons. Nadaud D, et al. **Brain Res** 1984 Jun 18;304(1):137–41

Bombesin-induced locomotor hyperactivity: evaluation of the involvement of the mesolimbic dopamine system. Schulz DW, et al. **Brain Res** 1984 Jun 25;304(2):377–82

Circling from intracranial morphine applied to the ventral tegmental area in rats. Holmes LJ, et al. **Brain Res Bull** 1983 Sep;11(3):295–8

Long-term amphetamine treatment attenuates or reverses the depression of neuronal activity produced by dopamine agonists in the ventral tegmental area. Kamata K, et al. **Life Sci** 1984 Jun 11;34(24):2419–27

Electrophysiological evidence for excitation of rat ventral tegmental area dopamine neurons by morphine. Matthews RT, et al. **Neuroscience** 1984 Mar;11(3):617–25

EMBRYOLOGY

Enhanced dopamine cell survival in reaggregates containing telencephalic target cells. Hoffmann PC, et al. **Brain Res** 1983 Sep 12;274(2):275–81

ENZYMOLOGY

The subnuclear distribution of substance P, cholecystokinin, vasoactive intestinal peptide, somatostatin, leu-enkephalin, dopamine-beta-hydroxylase, and serotonin in the rat interpeduncular nucleus. Hamill GS, et al. **J Comp Neurol** 1984 Jul 10;226(4):580–96

METABOLISM

Neurotensin neurons in the ventral tegmental area project to the medial nucleus accumbens. Kalivas PW, et al. **Brain Res** 1984 May 21;300(1):157–60

Cholecystokinin-8-like immunoreactive neuron pathway from the supramammillary region to the ventral tegmental nucleus of Gudden of the rat. Kiyama H, et al. **Brain Res** 1984 Jun 25;304(2):397–400

The substance P-containing striatotegmental path in reptiles: an immunohistochemical study. Brauth SE, et al. **J Comp Neurol** 1983 Sep 20;219(3):305–27

PATHOLOGY

Experimental tremor produced by ventromedial tegmental lesion in monkeys. Neuroanatomical study. Nakaoka T. **Appl Neurophysiol** 1983;46(1–4):92–106

PHYSIOLOGY

Maternal behavior in rats: evidence for the involvement of preoptic projections to the ventral tegmental area. Numan M, et al. **Behav Neurosci** 1984 Aug;98(4):712–27

Inhibitory influence of the mesocortical dopaminergic system on spontaneous activity or excitatory response induced from the thalamic mediodorsal nucleus in the rat medial prefrontal cortex. Ferron A, et al. **Brain Res** 1984 Jun 8; 302(2):257–65

Activity of mesencephalic dopamine and non-dopamine neurons across stages of sleep and walking in the rat. Miller JD, et al. **Brain Res** 1983 Aug 22;273(1):133–41

Effects of tegmental lesions on the isolation call of squirrel monkeys. Newman JD, et al. **Brain Res** 1982 Jan 28; 232(2):317–30

6-Hydroxydopamine lesions of dopaminergic A10 neurons. Long-term effects on the urinary excretion of free and conjugated catecholamines and their metabolites in the rat. Peyrin L, et al. **Brain Res** 1982 Mar 11;235(2):363–9

Intense vasoconstriction and bradycardia evoked by stimulation of neurones within the midbrain ventral tegmentum of the rabbit. Tan E, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):305–9

Differential control of aggression by the midbrain. Shaikh MB, et al. **Exp Neurol** 1984 Feb;83(2):436–42

Dopamine-containing ventral tegmental area neurons in freely moving cats: activity during the sleep-waking cycle and effects of stress. Trulson ME, et al. **Exp Neurol** 1984 Feb;83(2):367–77

Basal optic complex in the frog (Rana pipiens): a physiological and HRP study. Gruberg ER, et al. **J Neurophysiol** 1984 May;51(5):998–1010

Microiontophoretic studies of the dopaminergic inhibition from the ventral tegmental area to the nucleus accumbens neurons. Akaike A, et al. **J Pharmacol Exp Ther** 1984 Jun; 229(3):859–64

Effect of substance P on neonatally axotomized noradrenaline neurons in rat brain. Jonsson G, et al. **Med Biol** 1983 Jun; 61(3):179–85

Role of endogenous substance P in stress-induced activation of mesocortical dopamine neurones. Bannon MJ, et al. **Nature** 1983 Dec 22–1984 Jan 4;306(5945):791–2

Role for lateral tegmental noradrenergic neurons in the vasopressin response to hypertonic saline. Lightman SL, et al. **Neurosci Lett** 1983 Nov 21;42(1):55–9

Nucleus tegmenti pedunculopontinus: efferent connections with special reference to the basal ganglia, studied in the rat by anterograde and retrograde transport of horseradish peroxidase. Jackson A, et al. **Neuroscience** 1983 Nov; 10(3):725–65

Conditioning and place-specific sensitization of increases in activity induced by morphine in the VTA. Vezina P, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):925–34

Medial preoptic connections with the midbrain tegmentum are essential for male sexual behavior. Brackett NL, et al. **Physiol Behav** 1984 Jan;32(1):79–84

Hyperinsulinemia and obesity in the dorsolateral tegmental rat. Wellman PJ, et al. **Physiol Behav** 1984 Jan;32(1):1–4

Chronic morphine-induced hyperactivity in rats is altered by nucleus accumbens and ventral tegmental lesions. Bunney WC, et al. **Psychopharmacology (Berlin)** 1984; 82(4):318–21

[Unit activity in the ventral tegmental area and the state of focused attention in the normal awake cat] Montaron MF, et al. **C R Seances Acad Sci [III]** 1984;298(8):229–36 (Eng. Abstr.) **(Fre)**

[Compensatory restoration of function in cats following resection of the somatosensory pathways: role of the cerebral commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):272–4 (Eng. Abstr.) **(Rus)**

[Responses and organization of the receptive fields of neurons of the basal optic nucleus of the frog tegmentum during visual stimulation] Alelnikova TV, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):9–15 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Ventral tegmental analgesia in two strains of rats: effects of amphetamine, naloxone and parachlorophenylalanine. Moreau JL, et al. **Brain Res** 1984 May 21;300(1):1–8

Self-stimulation in the ventral tegmental area suppresses self-mutilation in rats with forelimb deafferentiation. Sarkis D, et al. **Neurosci Lett** 1984 Feb 10;44(2):199–204

SECRETION

Release of dopamine from mesencephalic neurons in aggregate cultures: influence of target and non-target cells. Shalaby IA, et al. **Brain Res** 1984 Jul 30;307(1-2):347-50

ULTRASTRUCTURE

Tegmentonigral projection in the cat: electron microscopic observations. Usunoff KG. **Adv Neurol** 1984;40:55-61

X-ray microanalysis of monoaminergic terminals in the nucleus tegmentalis dorsalis of the chicken. Chikazawa H, et al. **Anat Embryol (Berl)** 1984;170(1):87-91

TEICHOIC ACIDS

Determination of cell wall teichoic acid structure of staphylococci by rapid chemical and serological screening methods. Endl J, et al. **Arch Microbiol** 1984 Mar; 137(3):272-80

Twisted states of Bacillus subtilis macrofibers reflect structural states of the cell wall. Mendelson NH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3562-6

ANALYSIS

Surface characteristics of group A streptococci with and without M-protein. Miörner H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):23-30

Chemical composition and structure of cell wall teichoic acids of staphylococci. Endl J, et al. **Arch Microbiol** 1983 Sep;135(3):215-23

N-acetylmannosaminyl(1——4)N-acetylglucosamine, a linkage unit between glycerol teichoic acid and peptidoglycan in cell walls of several Bacillus strains. Kaya S, et al. **J Bacteriol** 1984 Jun;158(3):990-6

The role of lipoteichoic acids on the adherence of Streptococcus equi to epithelial cells. Srivastava SK, et al. **Vet Microbiol** 1983 Oct;8(5):485-92

[Detection of teichoic acids in cells of bacteria of the genus Arthrobacter] Sadikov BM, et al. **Dokl Akad Nauk SSSR** 1983;271(2):459-61 **(Rus)**

BIOSYNTHESIS

Structure and biosynthesis of teichoic acids in the cell walls of Staphylococcus xylosus DSM 20266. Fiedler F, et al. **Arch Microbiol** 1984 Aug;138(4):321-8

Lipopolymers, isoprenoids, and the assembly of the gram-positive cell wall. Reusch VM Jr. **CRC Crit Rev Microbiol** 1984;11(2):129-55 (125 ref.)

The role of lipoteichoic acid biosynthesis in membrane lipid metabolism of growing Staphylococcus aureus. Koch HU, et al. **Eur J Biochem** 1984 Jan 16;138(2):357-63

Production and release of peptidoglycan and wall teichoic acid polymers in pneumococci treated with beta-lactam antibiotics. Fischer H, et al. **J Bacteriol** 1984 Feb; 157(2):507-13

IMMUNOLOGY

Guidelines for the use of the teichoic acid antibody assay [editorial] Sheagren JN. **Arch Intern Med** 1984 Feb; 144(2):250-2

Commercially available (ENDO-STAPH) assay for teichoic acid antibodies. Evaluation in patients with serious Staphylococcus aureus infections and in controls. Wheat J, et al. **Arch Intern Med** 1984 Feb;144(2):261-4

Occurrence of phlyctenules after immunization with ribitol teichoic acid of Staphylococcus aureus. Mondino BJ, et al. **Arch Ophthalmol** 1984 Mar;102(3):461-3

IgG subclass distribution of antibodies against S. aureus teichoic acid and alpha-toxin in normal and immunodeficient donors. Hammarström L, et al. **Clin Exp Immunol** 1984 Mar;55(3):593-601

Monoclonal antibodies to immunodeterminants of lipoteichoic acids. Jackson DE, et al. **Infect Immun** 1984 Mar;43(3):800-3

Detection of anti-teichoic acid immunoglobulin G antibodies in experimental Staphylococcus epidermidis endocarditis. West TE, et al. **Infect Immun** 1983 Dec;42(3):1020-6

Detection of antibody to staphylococcal lipoteichoic acid with a microenzyme-linked immunosorbent assay. Carruthers MM, et al. **J Clin Microbiol** 1984 Apr; 19(4):552-4

Comparison of a new enzyme-linked immunosorbent assay method with counterimmunoelectrophoresis for detection of teichoic acid antibodies in sera from patients with Staphylococcus aureus infections. Herzog C, et al. **J Clin Microbiol** 1984 Apr;19(4):511-5

Bacteria-immune system interactions. VIII. Modulation of human cytotoxic reactions by crude lipoteichoic acid extracts of Bacillus globigii. Kleinman R, et al. **J Immunopharmacol** 1983;5(3):173-90

Bacteria-immune system interactions. IX. Modulation of human and murine cytotoxic reactions by crude lipoteichoic acid extracted from Staphylococcus aureus. Whigham EA, et al. **J Immunopharmacol** 1983;5(1-2):77-91

Comparison of anti-alpha-haemolysin and teichoic acid antibody tests in patients with Staphylococcus aureus endocarditis or bacteraemia. Larinkari U, et al. **J Infect** 1984 May;8(3):221-6

Detection of teichoic acid antibodies in children with staphylococcal infections. Thisyakorn U, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):222-5

Humoral and cellular immune responses to staphylococcal lipoteichoic acid in multiple sclerosis patients. Nyland H, et al. **Prog Brain Res** 1983;59:345-54

Serological diagnosis of deep Staphylococcus aureus infections by enzyme-linked immunosorbent assay (ELISA) for staphylococcal hemolysins and teichoic acid. Granström M, et al. **Scand J Infect Dis [Suppl]** 1983; 41:132-9

Comparison of anti-alpha-hemolysin and teichoic acid antibody tests in patients with endocarditis and septicaemia caused by Staphylococcus aureus. Larinkari U, et al. **Scand J Infect Dis [Suppl]** 1983;41:144-7

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in staphylococcal infections. Oeding P, et al. **Scand J Infect Dis [Suppl]** 1983;41:126-9

Diagnostic and therapeutic significance of staphylococcal teichoic acid antibodies. White A, et al. **Scand J Infect Dis [Suppl]** 1983;41:105-16

ISOLATION & PURIFICATION

Comparison of cell wall teichoic acid fractions isolated from three different encapsulated strains of Staphylococcus epidermidis. Ohshima Y, et al. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):353-65

Lipoteichoic acid from Listeria monocytogenes. Hether NW, et al. **J Bacteriol** 1983 Nov;156(2):809-17

[Isolation of lipoteichoic acid from Streptomyces levoris] Potekhina NV, et al. **Mikrobiologiia** 1983 May-Jun; 52(3):434-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Products of phosphatidylglycerol turnover in two Bacillus strains with and without lipoteichoic acid in the cells. Koga Y, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):86-94

Teichoic acids of Streptococcus agalactiae: chemistry, cytotoxicity, and effect on bacterial adherence to human cells in tissue culture. Goldschmidt JC Jr, et al. **Infect Immun** 1984 Feb;43(2):670-7

Role of cellular lipoteichoic acids in mediating adherence of serotype III strains of group B streptococci to human embryonic, fetal, and adult epithelial cells. Nealon TJ, et al. **Infect Immun** 1984 Feb;43(2):523-30

Release of lipoteichoic acid from Staphylococcus aureus by treatment with cefmetazole and other beta-lactam antibiotics. Utsui Y, et al. **J Antibiot (Tokyo)** 1983 Oct; 36(10):1380-6

Attachment of pneumococcal autolysin to wall teichoic acids, an essential step in enzymatic wall degradation. Giudicelli S, et al. **J Bacteriol** 1984 Jun;158(3):1188-90

Insertion and fate of the cell wall in Bacillus subtilis. Mobley HL, et al. **J Bacteriol** 1984 Apr;158(1):169-79

TOXICITY

Morphological changes and pathology of mouse glomeruli infected with a streptococcal L-form or exposed to lipoteichoic acid. Tomlinson K, et al. **Infect Immun** 1983 Dec;42(3):1144-51

TELANGIECTASIA, HEREDITARY HEMORRHAGIC

Hereditary hemorrhagic telangiectasia: prosthetic management and considerations. Olson JW, et al. **J Prosthet Dent** 1983 Dec;50(6):767-70

COMPLICATIONS

Cerebral abscess and hereditary telangiectasia--report of a case. Rio ME, et al. **Acta Med Port** 1983 Jul-Aug; 4(7-8):357-9

Clinical manifestations of hereditary hemorrhagic telangiectasia. Reilly PJ, et al. **Am J Gastroenterol** 1984 May;79(5):363-7

Central nervous system infections associated with hereditary hemorrhagic telangiectasia. Press OW, et al. **Am J Med** 1984 Jul;77(1):86-92 (42 ref.)

NMR imaging of pulmonary arteriovenous fistulae . Gutierrez FR, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):750-2

Recurrent cerebral abscess in hereditary hemorrhagic telangiectasia [letter] Wilkins EG, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):963-5

Cerebral abscess in hereditary hemorrhagic telangiectasia. Pitlik SD, et al. **NY State J Med** 1984 Apr;84(4):197-201

Spontaneous haemothorax in Osler-Weber-Rendu disease. Karnik AM, et al. **Postgrad Med J** 1983 Aug;59(694):512-3

Focal cerebral ischemia distal to a cerebral aneurysm in hereditary hemorrhagic telangiectasia. Fisher M, et al. **Stroke** 1983 May-Jun;14(3):419-21

[Rendu-Osler disease. Hemodynamic course after treatment of digestive angioma (letter)] Carli P, et al. **Presse Med** 1983 Oct 8;12(35):2182-3 **(Fre)**

[Case of Rendu-Osler disease associated with a giant hematoma of the mesocolon and renovascular hypertension caused by thrombosis] Baba S, et al. **Nippon Jinzo Gakkai Shi** 1983 Jun;25(6):747-53 (Eng. Abstr.) **(Jpn)**

[Hereditary hemorrhagic telangiectasia. Report of a case] Kouyoumdjian JA, et al. **Arq Neurospiquiatr** 1983 Dec; 41(4):396-401 (Eng. Abstr.) **(Por)**

[Sudden death in Osler's disease] Bastuev NV, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):51 **(Rus)**

[Embolization of branches of the external carotid artery in nosebleeds complicating Rendu-Osler-Weber disease] Nekipelov EF, et al. **Zh Vopr Neirokhir** 1983 Jul-Aug; (4):23-33 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Laparoscopic findings in hereditary haemorrhagic telangiectasia (Osler-Weber-Rendu disease). Solis-Herruzo JA, et al. **Endoscopy** 1984 Jul;16(4):137-9

Hereditary hemorrhagic telangiectasia versus CREST syndrome: can serology aid diagnosis? Fritzler MJ, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):192-6

[Cerebral abscesses disclosing pulmonary angioma. Rendu-Osler disease] Leys D, et al. **Presse Med** 1984 Apr 7;13(15):927-9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

A study of a Caucasian family with variant von Willebrand's disease in association with vascular telangiectasia and haemoglobinopathy. Hanna W, et al. **Thromb Haemost** 1984 Apr 30;51(2):275-8

PATHOLOGY

Hereditary hemorrhagic telangiectasia: sonographic findings in the liver. Cloogman HM, et al. **Radiology** 1984 Feb; 150(2):521-2

RADIOGRAPHY

[Hereditary hemorrhagic telangiectasis. Arteriovenous fistulas in the lungs--circular foci which can be hereditary] Eklund A. **Lakartidningen** 1984 Apr 18;81(16):1638-9 **(Swe)**

SURGERY

[Surgical treatment of Osler disease in acute gastric hemorrhage] Skliarov PM. **Sov Med** 1983;(7):122-3 **(Rus)**

THERAPY

Follow-up of patients with hereditary hemorrhagic telangiectasia in the nose, with special reference to septal dermoplasty. Drettner B, et al. **Rhinology** 1983 Sep; 21(3):251-5

[Treatment of hemorrhagic teleangiopathies in the stomach by endoscopic sclerotherapy] Elsborg L. **Ugeskr Laeger** 1984 Mar 5;146(10):738-9 (Eng. Abstr.) **(Dan)**

[Hemorrhagic ulcer caused by Rendu-Osler disease: embolization in the area of the posterior tibial artery] Descamps C, et al. **Sem Hop Paris** 1984 Apr 5; 60(15):1081-2 **(Fre)**

[Use of hyperbaric oxygenation in Rendu-Osler disease] Tepliuk TB, et al. **Ter Arkh** 1983;55(10):37-9 (17 ref.) (Eng. Abstr.) **(Rus)**

TELANGIECTASIS

CHEMICALLY INDUCED

Assessment of atrophy of human skin caused by corticosteroids using chamber occlusion and suction blister techniques. Somerma S, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):41-5

Telangiectasia in aluminium workers: a follow up. Thériault G, et al. **Br J Ind Med** 1984 Aug;41(3):367-72

COMPLICATIONS

Acquired angiodysplasia [letter] Rogers BH. **Am J Gastroenterol** 1983 Dec;78(12):846-7

Gastrointestinal telangiectasias. A source of bleeding in patients receiving hemodialysis. Dave PB, et al. **Arch Intern Med** 1984 Sep;144(9):1781-3

The CRST syndrome--a variation of systemic sclerosis. Murtagh J. **Aust Fam Physician** 1983 Sep;12(9):702

Multiple stroke due to multiple vascular malformation of the brain. Bugiani O. **Eur Neurol** 1984;23(3):206-10

Congenital generalized fibromatosis: a review of the literature and report of a case associated with porencephaly, hemiatrophy, and cutis marmorata telangiectatica congenita. Spraker MK, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):365-71 (24 ref.)

Posterior non-vascularized proliferative extraretinopathy and peripheral nodular retinal telangiectasis. Baines PS, et al. **Trans Ophthalmol Soc UK** 1982;102 (Pt 4):487-91

[CRSET syndrome: association with erythema figuratum] Ingber A, et al. **Z Hautkr** 1983 Sep 15;58(18):1298-306 (Eng. Abstr.) **(Ger)**

[Brain stem hemorrhage from capillary telangiectasis--a substrate of sudden death from natural causes] Missliwetz J, et al. **Z Rechtsmed** 1984;92(1):59-65 (Eng. Abstr.) **(Ger)**

[A case of lower digestive hemorrhage secondary to angiodysplasia of the colon] Pérez Ramón JA, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):66-70 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Cutis marmorata telangiectatica congenita. Apropos of a

case with hemicorporeal topography. Ultrastructural study] Houdee G, et al. **Ann Dermatol Venereol** 1984; 111(4):359–68 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Coat's disease: clinical, angiographic, histopathological findings and clinical management. Tarkkanen A, et al. **Br J Ophthalmol** 1983 Nov;67(11):766–76

An unusual brainstem capillary telangiectasis in a child. Smith CM, et al. **Clin Neuropathol** 1983;2(3):118–21

Peripheral retinal telangiectasis in adults simulating a vascular tumor or melanoma. Laqua H, et al. **Ophthalmology** 1983 Nov;90(11):1284–91

The spectrum of retinal telangiectasia. Watzke RC. **Trans New Orleans Acad Ophthalmol** 1983;:326–34

[CRST syndrome with stigmata of mixed connective tissue disease. Case contribution to overlap symptoms] Wollina U, et al. **Dermatol Monatsschr** 1984;170(2):111–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Focal intravascular coagulation in progressive ascending telangiectasia: ultrastructural studies of ketoconazole-induced involution of vessels. Shelley WB, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):876–87

ETIOLOGY

Unilateral dermatomal superficial telangiectasia [letter] Wilkin JK. **Arch Dermatol** 1984 May;120(5):579–80

[Ocular changes in Louis–Bar syndrome (ataxia telangiectasia) in children] Ignatowicz R, et al. **Przegl Lek** 1984;41(5):405–8 **(Pol)**

OCCURRENCE

[The most common occupational dermatoses in metallurgy workers] Mainka E. **Przegl Dermatol** 1983 Mar–Apr; 70(2):147–50 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Unilateral dermatomal superficial telangiectasia. Duong MH, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1117–8

Ultrastructure and three-dimensional reconstruction of several macular and papular telangiectases. Braverman IM, et al. **J Invest Dermatol** 1983 Dec;81(6):489–97

RADIOGRAPHY

Angiographic demonstration of phlebectasia in a case of Turner's syndrome. Salomonowitz E, et al. **Gastrointest Radiol** 1983;8(3):279–81

Craniovertebral lesions in patient with CREST syndrome. Moilanen A, et al. **ROFO** 1984 May;140(5):618–20

SURGERY

Treatment of ectasias [letter] Brauner GJ. **J Dermatol Surg Oncol** 1983 Oct;9(10):783

Patient's evaluation of argon laser therapy of port wine stain, decorative tattoo, and essential telangiectasia. Dixon JA, et al. **Lasers Surg Med** 1984;4(2):181–90

Laser therapy of venous lakes (Bean–Walsh) and telangiectasias. Landthaler M, et al. **Plast Reconstr Surg** 1984 Jan;73(1):78–83

Metamorphosis of retinal exudation following argon laser photocoagulation of retinal telangiectasia. Cruess AF, et al. **Retina** 1983 Fall–Winter;3(4):261–4

THERAPY

Telangiectasia of the lower extremity [letter] Goldman L. **J Dermatol Surg Oncol** 1984 Jun;10(6):418

Telangiectasia and electrolysis [letter] Kirsch N.. **J Dermatol Surg Oncol** 1984 Jan;10(1):9–10

TELECOMMUNICATIONS

Peak-clipping in induction loop systems. Trinder E. **Br J Audiol** 1984 May;18(2):85–7

Beyond the library walls: use of slow-scan television. Lorenzi NM, et al. **Bull Med Libr Assoc** 1984 Jan;72(1):1–5

Teleconferencing: innovations promise bright future. Sloane D. **Can Med Assoc J** 1984 Feb 15;130(4):476–8

Telemedicine in Canada: an overview. Dunn EV, et al. **Dimens Health Serv** 1984 Jul;61(7):16–8

Health care on cable TV—are we ready? Picot J. **Dimens Health Serv** 1984 Jan;61(1):22–3, 28

Teleconferencing: a new era in health care. Picot J. **Dimens Health Serv** 1984 Mar;61(3):35–7

Telecommunications: the market is ripe. Picot J. **Dimens Health Serv** 1983 Sep;60(9):52–3

National satellite networks' future debated. **Hospitals** 1984 Feb 1;58(3):37–8

What s involved in telecommunications management? Babington T. **Hospitals** 1984 Aug 16;58(16):83–6

Rapid delivery of medical information to remote hospital sites by telefacsimile. Pfaffenberger A, et al. **J Am Osteopath Assoc** 1984 Apr;83(8):604–13

Provider acceptance of telemedicine systems in remote areas of Ontario. Higgins CA, et al. **J Fam Pract** 1984 Feb; 18(2):285–9

The AMA/GTE medical information network. Fisher SE. **J Fla Med Assoc** 1983 Nov;70(11):1017–8

Medical telecommunication support to crews on ocean-going vessels. Ohashi N. **J Hum Ergol (Tokyo)** 1982;11 Suppl:527–32

Data-linked groups: a method for continuing professional education. Stanley IM, et al. **Med Educ** 1983 Nov; 17(6):390–4

Potential contribution of teleradiology to the management of military radiologist resources. Allman RM, et al. **Milit Med** 1983 Dec;148(12):897–900

Symposium: High technology at low cost: three models of teleconferencing in continuing medical education. Ribble JG, et al. **Proc Annu Conf Res Med Educ** 1983;22:254–60

INSTRUMENTATION

DEAFNET—the word's getting around: local implementation of telecommunications networks for deaf users. Middleton T. **Am Ann Deaf** 1983 Sep;128(5):613–8

Telecommunications—a look at Bell's SL-1 system. Olsen J. **Dimens Health Serv** 1983 Aug;60(8):28

ORGANIZATION & ADMINISTRATION

Teleconferencing links 10 sites in New Brunswick. Takacs ED. **Dimens Health Serv** 1984 Jul;61(7):19

TELECONFERENCE see TELECOMMUNICATIONS

TELEMETRY

Telemetry of electrophysiologic variables from conscious dogs: system design, validation, and serial studies. Rubenson D, et al. **Am Heart J** 1984 Jan;107(1):90–6

Myopotential interference with DDD pacemakers: endocardial electrographic telemetry in the diagnosis of pacemaker-related arrhythmias. Halperin JL, et al. **Am J Cardiol** 1984 Jul 1;54(1):97–102

Cardiac exercise programs: role of continuous electrocardiographic monitoring. Mitchell M, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):463–6

Long-term supervised domiciliary EEG monitoring in epileptic patients employing radio telemetry and telephone telemetry. II. Radio telemetry system. Kamp A. **Electroencephalogr Clin Neurophysiol** 1984 Jun;57(6):584–6

Long-term supervised domiciliary EEG monitoring in epileptic patients employing radio telemetry and telephone telemetry. I. Telephone telemetry system. Van der Weide H, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 57(6):581–3

[Telemetric urodynamic examination of the bladder] Valcke AA, et al. **Acta Urol Belg** 1984 Apr;52(2):220–1 (Eng. Abstr.) **(Fre)**

[Prolonged fetal monitoring, ultrasonic telemetric registering. Methodology. Applications] Puech F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):505–9 (Eng. Abstr.) **(Fre)**

[Value of telemetric electromyography during walking in cerebral motor disability] Oberlin C, et al. **Rev Chir Orthop** 1984;70 Suppl 2:33–7 **(Fre)**

INSTRUMENTATION

Electrocardiogram and temperature telemetry equipment for use in laboratory animals permitting long time measurement and improved noise suppression. Plonait H, et al. **Biomed Tech (Berlin)** 1984 Feb;29(1–2):13–8

Qualities and drawbacks of radiotransmitted vocalizations of monkeys through laryngophones: new perspectives in analysis. Gautier JP. **Folia Primatol (Basel)** 1983; 41(3–4):218–30

Feasibility of in vivo temperature monitoring using a passive microwave transponder. Austin BA, et al. **Med Biol Eng Comput** 1984 Mar;22(2):187–9

Correlation of telemetered heart rate and locomotor behavior in cyclazocine treated rats. Schlatter J, et al. **Neurobehav Toxicol Teratol** 1983 Jul–Aug;5(4):413–9

[Computer assisted evaluation of radiotelemetrically transmitted arterial and pulmonary artery pressure] Häussinger G, et al. **Biomed Tech (Berlin)** 1984 Feb; 29(1–2):11–3 (Eng. Abstr.) **(Ger)**

[Experiences with a mobile monitoring system for fetal and neonatal cardiotachometry] Retzke F, et al. **Zentralbl Gynakol** 1984;106(8):545–9 (Eng. Abstr.) **(Ger)**

[Infrared telemetry system using avalanche photodiode] Takahashi M, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr; 22(2):135–6 **(Jpn)**

[Multi-purpose telemetric device using semiconductor memory element] Shibata M, et al. **Kokyu To Junkan** 1983 Jun;31(6):615–9 **(Jpn)**

METHODS

Value of radiotelemetry in a community hospital. Lipskis DJ, et al. **Am J Cardiol** 1984 May 1;53(9):1284–7

A telemetry system for single neuronal discharge recording from behaving monkey. Yamamoto T, et al. **Brain Res Bull** 1984 Jan;12(1):129–32

A telemetric technique for studies of venous pressure in the human leg during different positions and activities. Noddeland H, et al. **Clin Physiol** 1983 Dec;3(6):573–6

TRENDS

Telemedicine in Canada: an overview. Dunn EV, et al. **Dimens Health Serv** 1984 Jul;61(7):16–8

VETERINARY

Surgical implantation of radiotelemetry devices in the sea otter. Williams TD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1290–1

TELENCEPHALON

ABNORMALITIES

[Sleep polygraphic studies on patients with the dysgenesis of the telencephalon] Hashimoto T, et al. **No To Hattatsu** 1983 Jul;15(4):279–89 (Eng. Abstr.) **(Jpn)**

[Angiographic pattern of holoprosencephaly] Billewicz O, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug; 47(4):319–23 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

A quantitative approach to cytoarchitectonics. IX. The areal pattern of the hyperstriatum ventrale in the domestic pigeon, Columba livia f.d. Rehkämper G, et al. **Anat Embryol (Berl)** 1984;169(3):319–27

The origin of the vasopressinergic and oxytocinergic innervation of the rat brain with special reference to the lateral septum. De Vries GJ, et al. **Brain Res** 1983 Aug 29;273(2):307–17

The laminar source of efferent projections from the avian Wulst. Reiner A, et al. **Brain Res** 1983 Sep 26;275(2):349–54

Basal forebrain efferents reach the whole cerebral cortex of the cat. Irle E, et al. **Brain Res Bull** 1984 May;12(5):493–512

Basal telencephalic origins of the anterior commissure of the rat. Jouandet ML, et al. **Exp Brain Res** 1983;50(2–3):183–92

Histogenesis of the mesocortical area of the mouse telencephalon. Smart IH. **J Anat** 1984 May;138 (Pt 3):537–52

Preliminary report on macroscopic age changes in the human prosencephalon. A stereologic investigation. Eggers R, et al. **J Hirnforsch** 1984;25(2):129–39

Morphological study of projections from hypothalamic anterior segment to the telencephalon in the pond turtle. Nomokonova LM. **Neurosci Behav Physiol** 1984 Jul–Aug; 14(4):277–81

Cortical cholinergic projections from the basal forebrain of the rat, with special reference to the prefrontal cortex innervation. Mayo W, et al. **Neurosci Lett** 1984 Jun 15; 47(2):149–54

Enkephalin-like immunoreactivity within the telencephalon of the reptile Caiman crocodilus. Brauth SE. **Neuroscience** 1984 Feb;11(2):345–58

[Structures of telencephalic projection in the pigeon. Identification by marking with horseradish peroxidase] Miceli D, et al. **J Hirnforsch** 1983;24(4):437–46 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

The development of capillaries in the telencephalon of beagle puppies. Leuschen MP, et al. **Anat Rec** 1984 Mar; 208(3):435–43

Cerebral ischemic response-like hemodynamic changes induced by telencephalic ischemia in Mongolian gerbils (Meriones unguiculatus). Matsumoto M, et al. **Brain Res** 1984 Mar 5;294(2):367–9

CYTOLOGY

Monoamine containing neurons in the pigeon brain stem and their terminal fields in the telencephalon. Bagnoli P, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1524–30

Neurons from rat forebrain and cerebellum. Isolation and biochemical characterization. Sánchez-Prieto J, et al. **Rev Esp Fisiol** 1984 Mar;40(1):25–30

Changes in electrophoretic behavior of embryonic rat neural cells during telencephalon histogenesis. Matsuzawa T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec; 30(1–4):86–91

Neurons generated in the adult brain are recruited into functional circuits. Paton JA, et al. **Science** 1984 Sep 7; 225(4666):1046–8

Central catecholamine neurons and exposure to dichloromethane. Selective changes in amine levels and turnover in tel- and diencephalic DA and NA nerve terminal systems and in the secretion of anterior pituitary hormones in the male rat. Fuxe K, et al. **Toxicology** 1984 Feb;29(4):293–305

[Connections of the thalamic and telencephalic centers of the auditory system in turtles] Belekhova MG, et al. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):33–42 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Epidermal growth factor (EGF) stimulation of cultured brain cells. I. Enhancement of the developmental increase in glial enzymatic activity. Honegger P, et al. **Brain Res** 1983 Dec; 313(2):245–51

EMBRYOLOGY

Developmental gradient of cell cycle in the telencephalic roof of the fetal NMRI-mouse. Schmahl W. **Anat Embryol (Berl)** 1983;167(3):355–64

ENZYMOLOGY

Distribution of carboxylic esterases in the telencephalon and diencephalon of a microchiropteran bat (Taphozous melanopogon Temminck). Sood PP, et al. **Acta Anat (Basel)** 1983;116(4):312–21

[Histochemical detection of acetylcholinesterase in neurons with retrograde horse-radish peroxidase labeling of the telencephalon of the frog Rana temporaria] Ragimova NG, et al. **Zh Evol Biokhim Fiziol** 1984 Mar–Apr;20(2):224–5 **(Rus)**

GROWTH & DEVELOPMENT

The development of the retinopetal nucleus olfacto–retinalis of two cichlid fish as revealed by horseradish peroxidase. Crapon de Caprona MD, et al. **Brain Res** 1983 Dec; 313(2):281–301

METABOLISM

Cholecystokinin–8–like immunoreactivity in the rat anterior commissure revealed by immunocytochemistry. Cho HJ, et al. **Brain Res** 1984 May 23;300(2):372–5

Epidermal growth factor (EGF) stimulation of cultured brain cells. II. Increased production of extracellular soluble proteins. Guentert–Lauber B, et al. **Brain Res** 1983 Dec; 313(2):253–60

Selective histochemical demonstration of dopamine terminal systems in rat di– and telencephalon: new evidence for dopaminergic innervation of hypothalamic neurosecretory nuclei. Lindvall O, et al. **Brain Res** 1984 Jul 23; 306(1–2):19–30

[3H]diazepam binding sites on chick neurons in primary culture. Mallorga P, et al. **Neurosci Lett** 1983 Aug 19; 39(1):45–50

PHYSIOLOGY

Lateral telencephalic lesions affect visual discriminations in pigeons. Delius JD, et al. **Behav Brain Res** 1984 Mar; 11(3):249–58

Involvement of the telencephalic hemispheres and the preoptic area in sexual behavior of the male goldfish, Carassius auratus: a brain–lesion study. Koyama Y, et al. **Behav Neural Biol** 1984 Jan;40(1):70–86

Effects of telencephalic ablation on visual unit, sustained potential shift, and EEGs recorded from the toad tectum in response to a visual stimulus. Laming PR, et al. **Behav Neurosci** 1984 Feb;98(1):118–24

Homing behavior of pigeons after telencephalic ablations. Bingman VP, et al. **Brain Behav Evol** 1984;24(2–3):94–108

An electrosensory area in the telencephalon of the little skate, Raja erinacea. Bodznick D, et al. **Brain Res** 1984 Apr 23; 298(1):117–24

Changes in telencephalic catecholamine levels in the domestic chick. Effects of age and visual experience. Davies DC, et al. **Brain Res** 1983 Nov;312(2):251–5

Evidence for a third primary visual area in the telencephalon of the pigeon. Güntürkün O. **Brain Res** 1984 Mar 5; 294(2):247–54

Hemispheric asymmetry of synapses in chick medial hyperstriatum ventrale following passive avoidance training: a stereological investigation. Stewart MG, et al. **Brain Res** 1984 Feb;314(2):261–9

Discrete telencephalic lesions accelerate the habituation rate of behavioral arousal responses in Siamese fighting fish (Betta splendens). Marino–Neto J, et al. **Braz J Med Biol Res** 1983 Oct;16(3):271–8

Solitary nucleus neurons transmitting vagal visceral input to the forebrain via a direct pathway in rats. Nosaka S. **Exp Neurol** 1984 Sep;85(3):493–505

Central inhibition of milk ejection in the rabbit: involvement of hippocampus and subiculum. Tindal JS, et al. **J Endocrinol** 1984 Jan;100(1):125–9

Response of cerebellum to stimulation of telencephalon in the catfish (Ictalurus nebulosus). Lee LT. **J Neurophysiol** 1984 Jun;51(6):1394–408

Role of the midbrain in interhemispheric integration. Lyubimov NN, et al. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):101–7

Putative cholinergic afferents of the chick hyperstriatum ventrale: a combined acetylcholinesterase and retrograde fluorescence labelling study. Davies DC, et al. **Neurosci Lett** 1983 Jul 29;38(2):103–7

Forebrain lesions disrupt development but not maintenance of song in passerine birds. Bottjer SW, et al. **Science** 1984 May 25;224(4651):901–3

ULTRASTRUCTURE

Cytoarchitecture and ultrastructure of nucleus prethalamicus, with special reference to degenerating afferents from optic tectum and telencephalon, in a teleost (Holocentrus ascensionis). Ito H, et al. **J Comp Neurol** 1983 Dec 20; 221(4):401–15

TELEOLOGICAL ETHICS see ETHICS

TELEPHONE

Freedom line: increasing utilization of a telephone support service for ex–smokers. Ossip–Klein DJ, et al. **Addict Behav** 1984;9(2):227–30

The effect of early prehospital transtelephonic coronary intervention on morbidity and mortality: experience with 284 postmyocardial infarction patients in a pilot program. Capone RJ, et al. **Am Heart J** 1984 Jun;107(6):1153–60

Hypnotherapy over the telephone. Cooperman S, et al. **Am J Clin Hypn** 1983 Apr;25(4):277–9

Early uses of the telephone and recordings in hypnosis. Gravitz MA. **Am J Clin Hypn** 1983 Apr;25(4):280–2

Telephone counseling and crisis intervention: a review. Stein DM, et al. **Am J Community Psychol** 1984 Feb;12(1):101–26

Control selection using random digit dialing for cases of childhood cancer. Robison LL, et al. **Am J Epidemiol** 1984 Jul;120(1):164–6

Nonresponse bias and early versus all responders in mail and telephone surveys. Siemiatycki J, et al. **Am J Epidemiol** 1984 Aug;120(2):291–301

Quality of response in different population groups in mail and telephone surveys. Siemiatycki J, et al. **Am J Epidemiol** 1984 Aug;120(2):302–14

The efficacy of random digit dialing in selecting matched controls for a case–control study of pediatric cancer. Ward EM, et al. **Am J Epidemiol** 1984 Oct;120(4):582–91

Telephone Call Aid for problems of visual sequencing. Ores L, et al. **Am J Occup Ther** 1984 Jan;38(1):40–3

Does no phone at home only reflect socioeconomic status [letter] Goodman JS. **Am J Psychiatry** 1984 Jan; 141(1):137–8

Personal versus telephone surveys for collecting household health data at the local level. Weeks MF, et al. **Am J Public Health** 1983 Dec;73(12):1389–94

Effective communication in emergency situations. Pharmaceutical companies' telephone numbers. Larson RL. **Am Pharm** 1984 Jun;NS24(6):58–66

What annoys me most. The telephone. Samuel O. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1599–600

How good is your office telephone system? Gilmore A. **Can Med Assoc J** 1984 Apr 15;130(8):1047, 1049

Improving appointment–keeping by patients new to a hospital medical clinic with telephone or mailed reminders. Grover S, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1101–3

Telephonically–monitored home exercise early after coronary artery bypass surgery. Fletcher GF, et al. **Chest** 1984 Aug;86(2):198–202

Misunderstandings of telephoned blood–gas reports [letter] Willis N, et al. **Clin Chem** 1984 Jul;30(7):1262

Telephone surveys of mental health need and the unlisted subscriber. Stefl ME. **Community Ment Health J** 1984 Summer;20(2):146–54

Teleconferencing: a new era in health care. Picot J. **Dimens Health Serv** 1984 Mar;61(3):35–7

Telephone listening ability for hearing–impaired individuals. Holmes AE, et al. **Ear Hear** 1984 Mar–Apr;5(2):96–100

Long–term supervised domiciliary EEG monitoring in epileptic patients employing radio telemetry and telephone telemetry. I. Telephone telemetry system. Van der Weide H, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 57(6):581–3

Using patient–simulators to teach telephone communication skills to health professionals. Evens S, et al. **J Med Educ** 1983 Nov;58(11):894–8

An on–line interactive interviewing program for epidemiological studies. Kramer S, et al. **J Med Syst** 1984 Apr;8(1–2):27–34

Breach of contract and the Yellow Pages. Watson NL. **Md State Med J** 1983 Dec;32(12):927–9

Teleradiology: results of a field trial. Curtis DJ, et al. **Radiology** 1983 Nov;149(2):415–8

Breach of contract and the Yellow Pages. Watson NL. **RI Med J** 1983 Nov;66(11):465–7

Group treatment of physically disabled adults by telephone. Evans RL, et al. **Soc Work Health Care** 1984 Spring; 9(3):77–84

[ECG registration via telephone in the diagnosis of arrhythmia; a comparison with continuous ambulatory electrocardiography] Visser J, et al. **Ned Tijdschr Geneeskd** 1984 Mar 3;128(9):397–401 (Eng. Abstr.) **(Dut)**

[Télé–accueil: advantages and inadequacies of the tool. Viewpoint of the neuropsychiatrist] Meyers C, et al. **Acta Psychiatr Belg** 1983 Sep–Oct;83(5):509–16 (Eng. Abstr.) **(Fre)**

[Value of ECG–telephone transmission in determining symptomatic heart–rhythm disorders] Weber H, et al. **Klin Wochenschr** 1984 Jul 16;62(14):689–97 (Eng. Abstr.) **(Ger)**

[Telephone oncological information service at the Cracow branch of the Institute of Oncology] Pawlicki M. **Nowotwory** 1983 Apr–Jun;33(2):181–3 **(Pol)**

ECONOMICS

Interconnection: a new ring for St. Joseph's. Toma A. **Dimens Health Serv** 1983 Aug;60(8):29–30

Hospitals generating revenue by selling telephone services. Shannon K. **Hospitals** 1984 Aug 16;58(16):94–5

INSTRUMENTATION

Taking advantage of 'super–phone' technology. Siecker BR. **Am Pharm** 1984 May;NS24(5):80–7

LEGISLATION & JURISPRUDENCE

Breach of contract and the Yellow Pages. Watson NL. **Conn Med** 1983 Nov;47(11):708–10

METHODS

Transtelephonic monitoring in pediatric patients with clinically suspected arrhythmias. Fyfe DA, et al. **Clin Pediatr (Phila)** 1984 Mar;23(3):139–43

Transtelephonic analysis of cardiac arrhythmias in the dog. Diagnostic accuracy. Tilley LP. **Vet Clin North Am [Small Anim Pract]** 1983 May; 13(2):395–408

TRENDS

Another public health hazard—the cordless telephone. Gregg JB, et al. **SD J Med** 1984 Jan;37(1):19

UTILIZATION

Paediatric telephone consultation—a neglected area of health service delivery. Oberklaid F, et al. **Aust Paediatr J** 1984 May;20(2):113–4

Telephone encounters in a university pediatric group practice. A 2–year analysis of after–hour calls. Villarreal SF, et al. **Clin Pediatr (Phila)** 1984 Aug;23(8):456–8

Office telephone calls in family practice. Solberg LI, et al. **J Fam Pract** 1984 Apr;18(4):609–13, 616

Telephone management of febrile young children in a family practice setting. Soman M. **J Fam Pract** 1984 Sep; 19(3):329–32

TELERADIOISOTOPE THERAPY see RADIOISOTOPE TELETHERAPY

TELESCOPIC PROSTHESIS see DENTURE, OVERLAY

TELEVISION

Motivations for television viewing among deaf and hearing students. Austin BA. **Am Ann Deaf** 1984 Feb;129(1):17–22

Real–time closed–captioned television as an educational tool. Block MH, et al. **Am Ann Deaf** 1983 Sep;128(5):636–41

Videolaryngoscopy. A comparison of fiberscopic and telescopic documentation. Yanagisawa E, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):430–6

Interactive live television in clinical dental teaching. Brown CP. **Br Dent J** 1984 May 19;156(10):371–2

Investigations using an X–ray image intensifier and a TV camera for imaging transverse sections in humans. Arnot RN, et al. **Br J Radiol** 1984 Jan;57(673):47–55

Perceptions of television violence: effects of programme genre and type of violence on viewers' judgements of violent portrayals. Gunter B, et al. **Br J Soc Psychol** 1984 Jun;23 (Pt 2):155–64

An interview with David Suzuki [by Charlotte Gray] Suzuki D. **Can Med Assoc J** 1984 Aug 15;131(4):360, 363–6

Children's television viewing: attention and comprehension of auditory versus visual information. Pezdek K, et al. **Child Dev** 1983 Aug;54(4):1015–23

'Better Health.' A new and important concept in televised health care. Forman BH, et al. **Conn Med** 1983 Oct; 47(10):643–5

Effects of presentation format on adult's retention of television programs. Cavanaugh JC. **Exp Aging Res** 1984 Spring;10(1):51–3

Thoughts on the VideoEndoscope [editorial] Morrissey JF. **Gastrointest Endosc** 1984 Feb;30(1):43

Colonoscopy with a VideoEndoscope: preliminary experience. Sivak MV Jr, et al. **Gastrointest Endosc** 1984 Feb;30(1):1–5

Depictions of aging and old age on Saturday morning television. Bishop JM, et al. **Gerontologist** 1984 Feb; 24(1):91–4

Advertising and ethics (continued): prescription drugs on TV? [editorial] Bukantz SC. **Hosp Pract** 1983 Oct;18(10):13, 17

Life stage and motives for television use. Ostman RE, et al. **Int J Aging Hum Dev** 1983;17(4):315–22

Decision 84: ADA's proposed paid public education program. **J Am Dent Assoc** 1984 May;108(5):740–8

Televised public education: pro...and con [letter] **J Am Dent Assoc** 1984 Aug;109(2):140

Talk–back television: continuing education for the 1980s. Polk MR. **J Am Diet Assoc** 1984 Jan;84(1):75–7

Television for patient education. Bonfield A. **J Audiov Media Med** 1983 Oct;6(4):140–2

The effect of television–mediated aggression and real–life aggression on the behavior of Lebanese children. Day RC, et al. **J Exp Child Psychol** 1984 Aug;38(1):7–18

A device for area measurement by TV. Millington PF, et al. **J Microsc** 1984 Apr;134 (Pt 1):117–20

A new photographic method for mapping spatio–temporal receptive field using television snow stimulation. Hida E, et al. **J Neurosci Methods** 1983 Jul;8(3):225–30

Head movements and actographic recordings in free–moving animals, using computer analysis of video images. Lecas JC, et al. **J Neurosci Methods** 1983 Dec;9(4):357–65

Television—a resource for nurse educators to teach the community about health maintenance and disease prevention. Timpke J. **J Nurs Educ** 1984 May;23(5):217–8

The effect of a televised periodontal campaign on public periodontal awareness. Bakdash MB, et al. **J Periodontol** 1983 Nov;54(11):666–70

Images of health and medical science conveyed by television. Garland R. **J R Coll Gen Pract** 1984 Jun;34(263):316–9

Video depictions of blindness and attitudes toward disability.

Elliott TR, et al. **J Rehabil** 1984 Jan-Mar;50(1):49-52, 71
An examination of disability as depicted on prime-time television programming. Elliott TR, et al. **J Rehabil** 1983 Jul-Sep;49(3):39-42
Television and children: a review. Fosarelli PD. **JDBP** 1984 Feb;5(1):30-7
Office videofiberoptic laryngoscopy. White JF, et al. **Laryngoscope** 1984 Sep;94(9):1166-9
Review of undergraduate small group teaching with television in general practice. Taylor RJ. **Med Educ** 1984 Sep;18(5):343-8
Medical effects of the Day After [letter] Boll TJ, et al. **N Engl J Med** 1984 May 3;310(18):1196
The days after 'The Day After' [editorial] Howard RB. **Postgrad Med** 1984 Feb 1;75(2):15-6, 23
Doctor on the air. Smail SA. **Practitioner** 1983 Dec; 227(1386):1839-45
Self-monitoring in reducing children's excessive television viewing. Jason LA. **Psychol Rep** 1983 Dec;53(3 Pt 2):1280
Movie-inspired violence. Wilson W, et al. **Psychol Rep** 1983 Oct;53(2):435-41
Fluoroscopic imaging: quantitation of image lag or smearing. Gray JE, et al. **Radiology** 1984 Feb;150(2):563-7
Antibiotics: the medium is the message [letter] Musher DM. **Rev Infect Dis** 1983 Jul-Aug;5(4):809-12
Visual screening via television. Flocks M. **Surv Ophthalmol** 1983 Nov-Dec;28(3):184-7
Health, medicine, and violence on TV. Gerbner G. **Trans Stud Coll Physicians Phila** 1984 Mar;6(1):33-40
[Television epilepsy] Wässer S, et al. **Kinderarztl Prax** 1983 Jun;51(6):280-2 (Ger)
[Evening television and sleep. Polysomnographic, psychometric and psychopharmacologic studies in sleep disordered patients (II)] Saletu B, et al. **Med Welt** 1983 Aug 12;34(31-32):866-70 (Ger)
[Nightly television and sleep. Polysomnographic, psychometric and psychopharmacologic studies of patients with sleep disorders] Saletu B, et al. **Med Welt** 1983 Jul 29;34(29-30):829-32 (Ger)
[Television watching, reading habits and psychiatric disorders in 8-year-old children] Voll R, et al. **Prax Kinderpsychol Kinderpsychiatr** 1983 Aug-Sep; 32(6):193-9 (Eng. Abstr.) (Ger)
[Viability of training in cardiorespiratory resuscitation through television in Brazil] Lane JC, et al. **AMB** 1983 Nov-Dec;29(11-12):195-6 (Eng. Abstr.) (Por)
[Use of television in the teaching of nephrology] Shul'tsev GP. **Klin Med (Mosk)** 1983 Jul;61(7):138-40 (Rus)
[Large-frame fluorography under television control in the diagnosis of urogenital neoplasms] Pak KN. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):35-40 (Eng. Abstr.) (Rus)
[Television and mental health] Alonso-Fernández F. **An R Acad Nac Med (Madr)** 1983;100(1):119-41 (Spa)
[Television and its influence on children's selection of food, drinks and candies] Vega-Franco L, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:46-56 (Eng. Abstr.) (Spa)
[Television and children (editorial)] Vega-Franco L. **Bol Med Hosp Infant Mex** 1983 Aug;40(8):405-7 (Spa)
[Illustration and Television Service] Bosco Gimeno J. **Rev Med Univ Navarra** 1984 Mar;28(1):57-60 (Spa)

INSTRUMENTATION

Estimation of sampling errors in a high-resolution TV microscope image-processing system. Harms H, et al. **Cytometry** 1984 May;5(3):228-35
Comparison of digital focus criteria for a TV microscope system. Harms H, et al. **Cytometry** 1984 May;5(3):236-43
Electronic endoscopy of the gastrointestinal tract. Initial experience with a new type of endoscope that has no fiberoptic bundle for imaging. Classen M, et al. **Endoscopy** 1984 Jan;16(1):16-9
Initial experience with the new electronic endoscope. Matek W, et al. **Endoscopy** 1984 Jan;16(1):20-1
A follow up to a television projection system. Matthews JD. **Health Phys** 1971 Dec;21(6):862-3
Television-computer method for in vivo measurement of capillary diameter, based on the passage of red cells. Ellis CG, et al. **Microvasc Res** 1983 Sep;26(2):139-50
Heterogeneity of capillary diameters in skeletal muscle of the frog. Safranyos RG, et al. **Microvasc Res** 1983 Sep; 26(2):151-6
[Staining blood smears for automated study] Saakian DG, et al. **Lab Delo** 1983;(12):53-4 (Rus)
[Television biomicroscopy in studying conjunctival microvascular reactions to vasoactive substances] Bunin AIa, et al. **Vestn Oftalmol** 1983 Nov-Dec;(6):38-42 (Eng. Abstr.) (Rus)
[Automated analysis of the cerebral cortex using a television image analyzer] Istomin VV, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):969-74 (Eng. Abstr.) (Rus)

METHODS

Closed-circuit TV: tuning in to health. Archibald M. **Dimens Health Serv** 1984 Jul;61(7):22-5
Live broadcasting on CC-TV and its effect on television viewing patterns of hospitalized children. Oberg CN, et al. **Minn Med** 1983 Sep;66(9):568-70
[Possible use of television image analysis for measuring the volume and surface area of irregularly shaped nuclei] Ogandzhanian EE, et al. **Tsitologiia** 1983 Aug;25(8):985-7 (3 ref.) (Eng. Abstr.) (Rus)
[X-ray television study in the excretory urography of patients with prostatic adenoma] Bullov VM. **Vestn Rentgenol Radiol** 1984 Jan-Feb;(1):79-82 (Eng. Abstr.) (Rus)

TRENDS

Drinking and smoking on television, 1950-1982. Breed W, et al. **J Public Health Policy** 1984 Jun;5(2):257-70

TELLURIUM

Carcinogenesis tests of nickel arsenides, nickel antimonide, and nickel telluride in rats. Sunderman FW Jr, et al. **Cancer Invest** 1983;1(6):469-74
Effect of tellurium position on the myocardial uptake of radioiodinated 18-iodotellura-17-octadecenoic acid analogues. Knapp FF Jr, et al. **J Med Chem** 1984 Jan; 27(1):57-63

DIAGNOSTIC USE

Comparison of portable CdTe(Cl) detectors with stationary NaI(Tl) detectors for subcutaneous 133Xe disappearance measurements. Bojsen J, et al. **Clin Physiol** 1983 Aug; 3(4):325-34
Accumulation of radioiodinated 15-(p-iodophenyl)-6-tellurapentadecanoic acid in ischemic myocardium during acute coronary occlusion and reperfusion. Bianco JA, et al. **J Am Coll Cardiol** 1984 Jul; 4(1):80-7

PHARMACODYNAMICS

Antisickling effect of tellurite: a potent membrane-acting agent in vitro. Asakura T, et al. **Blood** 1984 Jul;64(1):305-7
Interactions between tellurium and mercury in murine lung and other organs after metallic mercury inhalation: a comparison with selenium. Khayat A, et al. **Chem Biol Interact** 1984 Jul;50(2):123-33

TOXICITY

[Experimental data on the toxicity of various solid solutions] Akinfieva TA. **Gig Tr Prof Zabol** 1983 Sep;(9):57-8 (Rus)

TELOPHASE

The organization of microtubules during anaphase and telophase spindle elongation in the rust fungus Puccinia. Tippit DH, et al. **Eur J Cell Biol** 1984 May;34(1):34-44

DRUG EFFECTS

Effect of divalent cations and chelators on metaphase to telophase progression and nuclear envelope formation in Chinese hamster cells. Chai LS, et al. **Cell Calcium** 1983 Oct;4(4):237-52
Anaphase-telophase analysis of chromosomal damage induced by chemicals. Dulout FN, et al. **Environ Mutagen** 1984;6(3):299-310

TEMAZEPAM see under **BENZODIAZEPINE TRANQUILIZERS**

TEMPERAMENT see under **PERSONALITY**

TEMPERANCE

The controlled-drinking controversy. A commentary. Marlatt GA. **Am Psychol** 1983 Oct;38(10):1097-110 (60 ref.)
Controlled drinking [letter] Erickson RC. **Hosp Community Psychiatry** 1983 Oct;34(10):968-9
A diagnostic tool with important implications for treatment of addiction: identification of factors underlying relapse and remission time distributions. Mann NR, et al. **Int J Addict** 1984 Feb;19(1):25-44
The relationship of beliefs about controlled drinking to recidivism in alcoholic men. Watson CG, et al. **J Stud Alcohol** 1984 Mar;45(2):172-5
Intoxication and sobriety. Implications for the understanding of multiple personality. Ludwig AM. **Psychiatr Clin North Am** 1984 Mar;7(1):161-9
[Hematologic changes following chronic alcoholism] Sanft HJ, et al. **Folia Haematol (Leipz)** 1983;110(4):540-63 (Eng. Abstr.) (Ger)

HISTORY

The alcohol problem in America: from temperance to alcoholism. Levine HG. **Br J Addict** 1984 Mar;79(1):109-19
Obsessed with moderation: the drink trades and the drink question (1870-1930). Weir RB. **Br J Addict** 1984 Mar; 79(1):93-107

TEMPERATURE

see related
BODY TEMPERATURE
THERMOMETERS

Temperature effects on the electroretinogram of the isolated carp retina. Armington JC, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):498-509
Preliminary study on the effect of temperature on the transport of thyroxine (T4) into the body tissues and sub-cellular fractions of liver and muscle of carp, Cyprinus carpio. Lone KP, et al. **Acta Physiol Lat Am** 1983; 33(2):149-60
The effect of temperature on muscle resting potential in some insects. Borkowska MJ, et al. **Acta Physiol Pol** 1983 May-Jun;34(3):393-400
Effect of ambient temperature on rectal temperature in normal and malnourished rats during early postnatal development. Conradi NG, et al. **Acta Physiol Scand** 1984 Jun;121(2):147-53
Effect of temperature on morphological and physiological character of ovicidal fungi. Chalupová V, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:17-25
Depressed macrophage functions at temperatures below 37 degrees C. Ganguly R, et al. **Allerg Immunol (Leipz)** 1983; 29(3):160-7
Computer program for evaluating the thermal environment. Cvejanovich GJ. **Am Ind Hyg Assoc J** 1983 Sep;44(9):690-5
Effect of environmental temperature on display monitoring performance: an overview with practical implications. Hancock PA. **Am Ind Hyg Assoc J** 1984 Feb;45(2):122-6
The temperature control system of the Cobas-Bio centrifugal analyzer. Miller WG, et al. **Am J Clin Pathol** 1983 Dec; 80(6):867-70
Effect of variations in dialysate temperature on blood pressure during hemodialysis. Sherman RA, et al. **Am J Kidney Dis** 1984 Jul;4(1):66-8
Thermal dependence of muscle function. Bennett AF. **Am J Physiol** 1984 Aug;247(2 Pt 2):R217-29 (153 ref.)
Acid-base status of fish at different temperatures. Cameron JN. **Am J Physiol** 1984 Apr;246(4 Pt 2):R452-9
Temperature sensitivity of the renin-angiotensin system in Ambystoma tigrinum. Corwin E, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R510-5
Effects of temperature on the structure and metabolism of cell membranes in fish. Hazel JR. **Am J Physiol** 1984 Apr; 246(4 Pt 2):R460-70 (97 ref.)
Role of ion transfer processes in acid-base regulation with temperature changes in fish. Heisler N. **Am J Physiol** 1984 Apr;246(4 Pt 2):R441-51 (30 ref.)
Influence of thermal acclimation on glucose production and ketogenesis in isolated eel hepatocytes. Jankowsky D, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R471-8
Effects of osmotic pressure, glucose, and temperature on neurons in preoptic tissue slices. Silva NL, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R335-45
Isoproterenol-induced blood flow in rats acclimated to room temperature and cold. Wickler SJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R747-52
Inactivation of bovine leukemia virus-infected lymphocytes in milk. Rubino MJ, et al. **Am J Vet Res** 1984 Aug; 45(8):1553-6
Comparative effects of sulfur dioxide exposures at 5 degrees C and 22 degrees C in exercising asthmatics. Linn WS, et al. **Am Rev Respir Dis** 1984 Feb;129(2):234-9
Influence of ethanol and ambient temperature on skin blood flow. Hughes JH, et al. **Ann Emerg Med** 1984 Aug; 13(8):597-600
Temperature-sensitive fetal liver cells: a model for hepatocellular differentiation. Chou JY, et al. **Ann NY Acad Sci** 1983;417:308-20 (40 ref.)
New standards for neutral thermal environment of healthy very low birthweight infants in week one of life. Sauer PJ, et al. **Arch Dis Child** 1984 Jan;59(1):18-22
Schizophrenic birth seasonality in relation to the incidence of infectious diseases and temperature extremes. Watson CG, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):85-90
Effect of temperature and humidity on development, survival and oviposition in laboratory populations of Eriworm, Philosamia ricini (Boisduval) (Lepidoptera Saturniidae). Gohain R, et al. **Arch Int Physiol Biochim** 1983 Jul; 91(2):87-93
The effects of smoking and environmental temperature on temporary threshold shifts. Dengerink HA, et al. **Audiology** 1984;23(4):401-10
Effect of environmental temperature on the mortality in vaccinated chickens after challenge with Australian infectious bronchitis virus. Ratanasethakul C, et al. **Aust Vet J** 1983 Aug;60(8):255-6
Ornithine decarboxylase activity in embryos depends on temperature of development rather than on the stage of development. Molecular adaptation to temperature changes in poikilothermic animals. Neyfakh AA, et al. **Biochem J** 1983 Dec 15;216(3):597-604
Adaptive responses of fish membranes to altered environmental temperature. Cossins AR. **Biochem Soc Trans** 1983 Aug;11(4):332-3
Adaptation to temperature in bacterial membranes. Russell NJ. **Biochem Soc Trans** 1983 Aug;11(4):333-5
Thermal transitions of red blood cell deformability. Correlation with membrane rheological properties. Hanss M, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):461-70
Effect of temperature on kinetics of hexose uptake by human placental plasma membrane vesicles. Ingermann RL, et al. **Biochim Biophys Acta** 1983 Oct 12;734(2):329-35
Rapid measurement of drug release from temperature-sensitive liposomes by electron paramagnetic resonance and radioisotope techniques. Magin RL, et al. **Biochim Biophys Acta** 1983 Nov 8;760(3):357-62

The temperature dependence of creatine kinase fluxes in the rat heart. Matthews PM, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):140–6

Changes in thermal phase transition of various membranes during temperature acclimation in Tetrahymena. Nakayama H, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):311–6

The temperature dependence of the fluorescence decay of low-density lipoproteins. Spragg SP, et al. **Biochim Biophys Acta** 1984 Jan 17;792(1):84–91

Effect of colostrum intake on metabolic rate and plasma glucose in the neonatal pig in relation to environmental temperature. Le Dividich J, et al. **Biol Neonate** 1984; 46(2):98–104

Ambient temperature and reproductive success in rodents living at different latitudes. Bronson FH, et al. **Biol Reprod** 1983 Aug;29(1):72–80

In vitro maturation and fertilization of bovine oocytes are temperature-dependent processes. Lenz RW, et al. **Biol Reprod** 1983 Aug;29(1):173–9

Platelet metabolism during storage of platelet concentrates at 22 degrees C. Kilkson H, et al. **Blood** 1984 Aug; 64(2):406–14

Two mechanisms of 3H-catecholamine accumulation in rabbit aorta media differentiated by sensitivity to temperature and corticosterone. Sweet WD, et al. **Blood Vessels** 1983;20(6):265–82

Potassium contractures and mechanical activation in rat skeletal muscle: effects of multivalent cations, temperature and tetracaine. Anwyl R, et al. **Br J Pharmacol** 1984 Jul; 82(3):615–21

The effects of external potassium, multivalent cations and temperature on caffeine contractures in rat skeletal muscle. Anwyl R, et al. **Br J Pharmacol** 1984 Jul;82(3):609–14

Temperature-induced changes in dissociation constants (KA) of agonists at cardiac beta-adrenoceptors determined by use of the irreversible antagonist Ro 03–7894. Broadley KJ, et al. **Br J Pharmacol** 1983 Jun;79(2):517–24

The temperature fields caused by acoustic standing waves in biological tissues. Swindell W. **Br J Radiol** 1984 Feb; 57(674):167–8

Effect of temperature on handgrip holding time. Barter TJ, et al. **Br J Sports Med** 1984 Jun;18(2):91–5

Effects of the naked-neck gene on traits associated with egg laying in a dwarf stock at two temperatures. Bordas A, et al. **Br Poult Sci** 1984 Apr;25(2):195–207

Thermoneutral zone and resting metabolic rate of broilers. Meltzer A. **Br Poult Sci** 1983 Oct;24(4):471–6

Influence of temperature on slow flow in populations of regenerating axons with different elongation velocities. Cancalon P. **Brain Res** 1983 Sep;285(3):279–89

Regeneration of three populations of olfactory axons as a function of temperature. Cancalon P. **Brain Res** 1983 Sep; 285(3):265–78

Temperature dependency of the chemical responses of the polymodal receptor units in vitro. Kumazawa T, et al. **Brain Res** 1983 Nov 14;278(1–2):305–7

Effect of ambient temperature on the sleep–walking cycle in two strains of mice. Roussel B, et al. **Brain Res** 1984 Feb 27;294(1):67–73

Ambient temperature–dependence of sleep disturbances produced by basal forebrain damage in rats. Szymusiak R, et al. **Brain Res Bull** 1984 Mar;12(3):295–305

Nitrite-induced methemoglobin formation and recovery in channel catfish (Ictalurus punctatus) at three acclimation temperatures. Huey DW, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):674–81

Effects of environmental pH and temperature on embryonic survival capacity and metabolic rates in the smallmouth salamander, Ambystoma texanum. Punzo F. **Bull Environ Contam Toxicol** 1983 Oct;31(4):467–73

Effects of water hardness, water temperature, and size of the test organism on the susceptibility of the freshwater shrimp, Gammarus pulex (L.), to toxicants. Stephenson RR. **Bull Environ Contam Toxicol** 1983 Oct;31(4):459–66

Effects of environmental temperatures on the toxicity of methylmercury in rats. Yamaguchi S, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):543–9

Differences between rabbit sinoatrial pacemakers in their response to Mg, Ca and temperature. Op't Hof T, et al. **Cardiovasc Res** 1983 Sep;17(9):526–32

Effect of environmental temperature on the elimination of theophylline. Matsuyama K, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2026–9

Temperature correction of blood po2 measurements [letter] van Stekelenburg GJ. **Clin Chem** 1984 Apr;30(4):595–6

The influence of environmental temperature upon the thermoregulatory responses to ethanol in man. Fellows IW, et al. **Clin Sci** 1984 Jun;66(6):733–9

The effects of rearing-temperature on body composition in young pigs. Heath ME. **Comp Biochem Physiol [A]** 1983; 76(2):363–6

Effect of temperature on the pH dependence of renal microsomal ATPase in the rabbit, rat and hamster. Park YS, et al. **Comp Biochem Physiol [A]** 1983;76(1):55–61

The effects of rearing-temperature on body conformation and organ size in young pigs. Heath ME. **Comp Biochem Physiol [B]** 1984;77(1):63–72

Ambient temperature effects on brain and spinal cord acetylcholinesterase activity of two poikilotherms. Hussein MF, et al. **Comp Biochem Physiol [C]** 1983;75(2):357–9

Effects of ambient temperature on brain acetylcholinesterase activity and protein content in three Egyptian vertebrates. Mohamed MI, et al. **Comp Biochem Physiol [C]** 1983; 76(1):127–30

Electronic techniques for controlling thawing of major organs. Karow AM. **Cryobiology** 1984 Aug;21(4):403–6

Ambient temperature dependence of the body temperature and of the duration of the hibernation periods in the garden dormouse, Eliomys quercinus L. Pajunen I. **Cryobiology** 1983 Dec;20(6):690–7

Temperature-mediated processes in teleost immunity: differential effects of in vitro and in vivo temperatures on mitogenic responses of channel catfish lymphocytes. Clem LW, et al. **Dev Comp Immunol** 1984 Spring;8(2):313–22

The effect of environmental temperature on the immune response of a marine teleost (Paralichthys dentatus). Stolen JS, et al. **Dev Comp Immunol** 1984 Winter;8(1):89–98

Mathematical analysis of the changes in the intracellular potentials, generated by human skeletal muscle fibre under the effect of temperature. Stephanova DI, et al. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):377–86

Mathematical analysis of the changes in the action potentials, generated by a frog skeletal muscle fibre under the effect of temperature. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):369–76

Mathematical analysis of the changes in the intracellular potentials, generated by a human skeletal muscle fibre in the recovery cycle at the different temperatures. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Jan–Feb;24(1–2):107–15

Effects of temperature on the frequency of sister chromatid exchanges (SCEs) in peripheral blood lymphocytes of man and muntjac. Das BC, et al. **Environ Mutagen** 1984; 6(1):25–31

Thermal tolerance by embryos and larvae of the surf clam Spisula solidissima. Roosenburg WH, et al. **Environ Res** 1984 Jun;34(1):162–9

A laboratory study of the effects of moderate thermal stress on the performance of factory workers. Meese GB, et al. **Ergonomics** 1984 Jan;27(1):19–43

Interaction of temperature, illuminance and apparent time on sedentary work fatigue. Nelson TM, et al. **Ergonomics** 1984 Jan;27(1):89–101

The temperature-sensitivity of slow channel calcium blockers in relation to their effect upon the calcium paradox. Baker JE, et al. **Eur Heart J** 1983 Dec;4 Suppl H:97–103

Effect of temperature on the arrested heart exposed to a 4-hour ischemia during blood potassium cardioplegia. An experimental study. Natsuaki M, et al. **Eur Surg Res** 1983; 15(5):241–8

Age-related changes in amino acid pool sizes in the adult silkmoth, Bombyx mori, reared at low and high temperature; a biochemical examination of the rate-of-living theory and urea accumulation when reared at high temperature. Osanai M, et al. **Exp Gerontol** 1984; 19(1):37–51

Temperature dependence of leukemic cell destruction by alkyl-lysophospholipids (NSC 324368). Andreesen R, et al. **Exp Hematol** 1983 Jul;11(6):564–70

Ambient temperature and human sleep. Muzet A, et al. **Experientia** 1984 May 15;40(5):425–9

Low-energy Mg2+-induced temperature transitions in liver microsomes. Akhrem AA, et al. **FEBS Lett** 1983 Dec 12; 164(2):247–50

Room temperature storage of platelet concentrates prepared from overnight-stored blood. In vitro studies. Rácz Z, et al. **Folia Haematol (Leipz)** 1984;111(1):97–101

Endoscopical determination of gastric mucosal blood flow by the crossed thermocouple method. Hiramatsu A, et al. **Gastroenterol Jpn** 1984 Jun;19(3):216–20

Breeding condition, temperature, and the regulation of salt and water by pituitary hormones in the red-spotted newt, Notophthalmus viridescens. Brown PS, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):292–302

Adaptation of testicular follicle-stimulating hormone receptors to ambient temperatures in vertebrates: equilibrium analysis. Kubokawa K, et al. **Gen Comp Endocrinol** 1984 May;54(2):277–82

Thermal rescue of UV-irradiated bacteriophage T4 and biphasic mode of action of the WXY system. Conkling MA, et al. **Genetics** 1984 Aug;107(4):525–36

Thermodilution cardiac output in critically ill patients: comparison of room-temperature and iced injectate. Vennix CV, et al. **Heart Lung** 1984 Sep;13(5):574–8

Temperature dependence of ionic transport and norepinephrine stimulation of rat aorta during DOCA hypertension. Warden DH, et al. **Hypertension** 1984 Jul-Aug;6(4):460–7

Inference of complete tissue temperature fields from a few measured temperatures: an unconstrained optimization method. Divrik AM, et al. **IEEE Trans Biomed Eng** 1984 Jan;31(1):150–60

Applications of NMR imaging in hyperthermia: an evaluation of the potential for localized tissue heating and noninvasive temperature monitoring. Parker DL. **IEEE Trans Biomed Eng** 1984 Jan;31(1):161–7

A survey of computer simulations of hyperthermia treatments. Strohbehn JW, et al. **IEEE Trans Biomed Eng** 1984 Jan;31(1):136–49 (109 ref.)

A comparison of temperature-mediated immunomodulation between two species of flounder. Stolen JS, et al. **Immunol Commun** 1984;13(3):245–53

Effects of growth temperature, 47-megadalton plasmid, and calcium deficiency on the outer membrane protein porin and lipopolysaccharide composition of Yersinia pestis EV76. Darveau RP, et al. **Infect Immun** 1983 Dec; 42(3):1092–101

The effects of temperature on ferritin transport by endothelial cell vesicles in the capillaries of the frog mesentery. Clough G, et al. **Int J Microcirc Clin Exp** 1982;1(1):29–39

Differential cytotoxicity of cis-platinum and blenoxane against human carcinoma KBE cells in multicellular spheroids of different ages: response at different temperatures. Meltz ML, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1815–23

A note on the temperature tolerance of Legionella. Dennis PJ, et al. **J Appl Bacteriol** 1984 Apr;56(2):349–50

Temperature and water activity minima for growth of spoilage moulds from meat. Lowry PD, et al. **J Appl Bacteriol** 1984 Apr;56(2):193–9

Effect of temperature on the microbial flora of herring fillets stored in air or carbon dioxide. Molin G, et al. **J Appl Bacteriol** 1984 Apr;56(2):275–82

The influence of incubation temperature and pH on the antimicrobial properties of hen egg albumen. Tranter HS, et al. **J Appl Bacteriol** 1984 Feb;56(1):53–61

Dynamic water vapor and temperature calibration system. Montague FW Jr, et al. **J Appl Physiol** 1984 Jun; 56(6):1675–8

Human whole-blood oxygen affinity: effect of temperature. Zwart A, et al. **J Appl Physiol** 1984 Aug;57(2):429–34

Gene envY of Escherichia coli K-12 affects thermoregulation of major porin expression. Lundrigan MD, et al. **J Bacteriol** 1984 Jan;157(1):262–8

The formation of vesicular stomatitis virus (San Juan strain) becomes temperature-sensitive when glucose residues are retained on the oligosaccharides of the glycoprotein. Schlesinger S, et al. **J Biol Chem** 1984 Jun 25; 259(12):7597–601

Arrest states in a set of mutants of rat 3Y1 cells temperature-sensitive for entering S phase. Zaitsu H, et al. **J Cell Physiol** 1984 Apr;119(1):82–8

Effect of incubation temperature on isolation of cytomegalovirus from fresh clinical specimens. Gregory WW, et al. **J Clin Microbiol** 1983 Oct;18(4):1003–5

Viability of Trichomonas vaginalis in vitro at four temperatures. Smith RF. **J Clin Microbiol** 1983 Oct; 18(4):834–6

Temperature-sensitive mutants of Mycoplasma gallisepticum. Lam KM, et al. **J Comp Pathol** 1984 Jan;94(1):1–8

Thermal shock resistance of porcelain discs. Anusavice KJ, et al. **J Dent Res** 1983 Oct;62(10):1082–5

Effect of processing temperature on the properties of a polyvinyl chloride maxillofacial elastomer. Yu R, et al. **J Dent Res** 1983 Oct;62(10):1098–100

Duration of the development stages of house dust mites Dermatophagoides farinae and D. pteronyssinus under controlled temperatures and relative humidities to pave the way in front of the workers in the field of house-dust mite bronchial asthma. 1. Pre-imaginal period. Gamal-Eddin FM, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):319–34

Stability of the human nuclear oestrogen receptor: influence of temperature and ionic strength. Love CA, et al. **J Endocrinol** 1983 Dec;99(3):423–33

The eye as a chemical indicator of environmental temperature at the time of death. Bray M. **J Forensic Sci** 1984 Apr; 29(2):396–403

Characterization of two recombination-complementation groups of Uukuniemi virus temperature-sensitive mutants. Gahmberg N. **J Gen Virol** 1984 Jun;65 (Pt 6):1079–90

Recovery of herpes simplex virus genetic information from human trigeminal ganglion cells following superinfection with herpes simplex virus type 2 temperature-sensitive mutants. Lewis ME, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):215–9

Synthesis of M protein of HVJ (Sendai virus) in rat glial cells is selectively restricted at a non-permissive temperature. Ogura H, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):639–43

Interferon-alpha yields from Sendai virus-induced human leukocyte cultures are enhanced by lowering the incubation temperature. Stecher A, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):635–8

On the arterialization of forearm skin venous blood during work under various thermal conditions. Yasukouchi A, et al. **J Hum Ergol (Tokyo)** 1982 Dec;11(2):203–7

The effect of temperature and starvation on the clearance of bacteria from the bloodstream of rainbow trout (Salmo gairdneri Richardson). Ferguson HW, et al. **J Leukocyte Biol** 1984 Feb;35(2):209–16

The relationship of temperature to the replication and virulence of dengue viruses. Vithanomsat S, et al. **J Med Assoc Thai** 1983 Sep;66(9):530–41

Effect of temperature on the occluding junctions of monolayers of epithelioid cells (MDCK). González-Mariscal L, et al. **J Membr Biol** 1984; 79(2):175–84

Thermotropic lipid phase separations in human erythrocyte ghosts and cholesterol-enriched rat liver plasma membranes. Gordon LM, et al. **J Membr Biol** 1984; 79(1):75–86

Intercalating drugs and low temperatures inhibit synthesis and processing of ribosomal RNA in isolated human mitochondria. Gaines G, et al. **J Mol Biol** 1984 Feb 5; 172(4):451–66

Temperature dependence of nifedipine action. Piper HM, et

al. **J Mol Cell Cardiol** 1984 Mar;16(3):277–80
Evidence for a presynaptic blockage of transmission in a temperature-sensitive mutant of Drosophila. Koenig JH, et al. **J Neurobiol** 1983 Nov;14(6):411–9
Effects of temperature on arachidonic acid–induced cellular edema and membrane perturbation in rat brain cortical slices. Chan PH, et al. **J Neurochem** 1983 Dec;41(6):1550–7
Temperature-dependent kinetic correlates of the activation of the glucocorticoid–receptor complex. Luttge WG, et al. **J Neurochem** 1984 Jan;42(1):242–7
Air versus skin temperature servocontrol of infant incubators. Bell EF, et al. **J Pediatr** 1983 Dec;103(6):954–9
Skin versus air servocontrol of temperature [letter] LeBlanc MH. **J Pediatr** 1984 Jun;104(6):958–9
Observations on temperature and temperature patterns of the gingiva. II. Estimations of the error in measurement. Chebib FS, et al. **J Periodontol** 1983 Oct;54(10):629–32
Observations on temperature and temperature patterns of the gingiva. I. The effect of arch, region and health. Holthuis AF, et al. **J Periodontol** 1983 Oct;54(10):624–8
Ambient temperature and violent crime: tests of the linear and curvilinear hypotheses. Anderson CA, et al. **J Pers Soc Psychol** 1984 Jan;46(1):91–7
Effect of environmental temperature on the content of cytochrome P-450 and activity of NADPH–cytochrome C reductase in rats. Matsuyama K, et al. **J Pharmacobiodyn** 1983 Dec;6(12):1005–8
Temperature-dependent modulation of [3H]nitrendipine binding by the calcium channel antagonists verapamil and diltiazem in rat brain synaptosomes. Boles RG, et al. **J Pharmacol Exp Ther** 1984 May;229(2):333–9
Temperature-dependent 5-hydroxytryptamine (5-HT)–sensitive [3H]spiperone binding to rat cortical membranes: regulation by guanine nucleotide and antidepressant treatment. Kendall DA, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):429–34
The relationship between energy expenditure and environmental temperature in congenitally obese and non-obese Zucker rats. Armitage G, et al. **J Physiol (Lond)** 1984 May;350:197–207
Modification by diet and environmental temperature of enterocyte function in piglet intestine. Dauncey MJ, et al. **J Physiol (Lond)** 1983 Aug;341:441–52
Differential effects of temperature on three components of passive permeability to potassium in rodent red cells. Hall AC, et al. **J Physiol (Lond)** 1984 Mar;348:629–43
Effects of temperature changes on toad rod photocurrents. Lamb TD. **J Physiol (Lond)** 1984 Jan;346:557–78
Dark noise in the outer segment membrane current of green rod photoreceptors from toad retina. Matthews G. **J Physiol (Lond)** 1984 Apr;349:607–18
The force-velocity relation of rat fast- and slow-twitch muscles examined at different temperatures. Ranatunga KW. **J Physiol (Lond)** 1984 Jun;351:517–29
Variation in peripheral progesterone concentrations with environmental temperature in ewes on Days 7 and 11 of the oestrous cycle. Wheeler AG, et al. **J Reprod Fertil** 1983 Nov;69(2):697–701
The effects of temperature on blood flow ultrasonic echogenicity in vitro. Beitler JC, et al. **J Ultrasound Med** 1983 Dec;2(12):529–33
Characterization of a temperature-sensitive defect of enterovirus 70: effect of elevated temperature on in vitro transcription. Miyamura K, et al. **J Virol** 1984 Jul; 51(1):192–8
Changes in glucagon and insulin contents of brown adipose tissue after temperature acclimation in rats. Habara Y, et al. **Jpn J Physiol** 1983;33(4):661–5
Effects of glucagon and noradrenaline on the blood flow through brown adipose tissue in temperature-acclimated rats. Yahata T, et al. **Jpn J Physiol** 1983;33(3):367–76
Survival of Mycoplasma, Acholeplasma and Spiroplasma at different temperatures. Yoshitake Y, et al. **Kurume Med J** 1983;30(2):51–6
Body temperature changes in dogs exposed to varying effective temperatures. Besch EL, et al. **Lab Anim Sci** 1984 Apr;34(2):177–80
Effect of temperature and storage on lymphocyte subpopulations [letter] Murray PI, et al. **Lancet** 1983 Dec 10;2(8363):1373–4
Thermal characteristics of a common polystyrene phantom. Barish RJ. **Med Phys** 1984 Mar–Apr;11(2):214–5
Ionization chamber response to a sudden change of ambient temperature in air, water, and polystyrene phantom. Kubo H. **Med Phys** 1983 Sep–Oct;10(5):676–9
Exercise and temperature effects on human sperm production and testosterone levels. McConnell TR, et al. **Med Sci Sports Exerc** 1984;16(1):51–5
Historical development and newer means of temperature measurement in biochemistry. Berger RL, et al. **Methods Biochem Anal** 1984;30:269–331 (105 ref.)
Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6
Effect of preirradiation tissue target temperature upon selective vascular damage induced by 577-nm tunable dye laser pulses. Gange RW, et al. **Microvasc Res** 1984 Jul; 28(1):125–30
Effect of temperature upon catalytic properties of alpha-hydroxyacid dehydrogenase from Trypanosoma cruzi. Coronel CE, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):185–93
Temperature sensitivity of tension development in a fast-twitch muscle of the rat. Elmubarak MH, et al. **Muscle Nerve** 1984 May;7(4):298–303
Effect of geocarposphere temperature on pre-harvest colonization of drought-stressed peanuts by Aspergillus flavus and subsequent aflatoxin contamination. Blankenship PD, et al. **Mycopathologia** 1984 Mar 15;85(1–2):69–74
Effects of temperature and partial hepatectomy on the induction of liver tumors in Oryzias latipes. Kyono-Hamaguchi Y. **Natl Cancer Inst Monogr** 1984 May; 65:337–44
Effects of rearing temperature on length of larval period and size of adults in Culicoides arakawae and Culicoides maculatus (Dipteria:Ceratopogonidae). Kitaoka S. **Natl Inst Anim Health Q (Tokyo)** 1982 Winter;22(4):159–62
Influence of argon laser stapedotomy on inner ear function and temperature. Vollrath M, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):521–6
The influence of water temperature and pH on the survival of Fasciola hepatica miracidia. Smith G, et al. **Parasitology** 1984 Feb;88 (Pt 1):97–104
The neutral temperature of very low-birth-weight infants. Sauer PJ, et al. **Pediatrics** 1984 Aug;74(2):288–9
Effects of concentration and temperature on gustatory persistence. Calviño AM. **Percept Mot Skills** 1984 Apr; 58(2):647–50
Temperature dependent properties of sodium inward current of frog atrial trabecles. Benndorf K, et al. **Pflugers Arch** 1984 Mar;400(3):329–31
The effects of long warm and cold ambient exposures on food intake water intake and body weight in the capsaicin desensitized rat. Cormarèche-Leydier M. **Pflugers Arch** 1984 Feb;400(2):183–7
Ethanol induces hyper and hypoglycemia in both fasted and nonfasted rats dependent on the ambient temperature. Souza ML, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):649–52
A device for monitoring position of unrestrained animals in a temperature gradient. Gordon CJ, et al. **Physiol Behav** 1983 Aug;31(2):265–8
Microwave enhancement of membrane conductance in snail neurons: role of temperature. Arber SL, et al. **Physiol Chem Phys** 1983;15(3):259–60
Effects of brooding temperature and molybdenum on the turkey poult. Bailey CA, et al. **Poult Sci** 1983 Sep; 62(9):1909–11
Effect of differing temperature cycles on broiler performance. Deaton JW, et al. **Poult Sci** 1984 Apr; 63(4):612–5
Effects of type of freeze straw and thaw temperature on the fertilizing capacity of frozen chicken semen. Duplaix M, et al. **Poult Sci** 1984 Apr;63(4):775–80
Metabolism and growth of chickens before and after hatch in relation to incubation temperatures. Geers R, et al. **Poult Sci** 1983 Sep;62(9):1869–75
Beltsville poultry semen extender. 9. Effect of storage temperature on turkey semen held eighteen hours. Giesen AF, et al. **Poult Sci** 1983 Jul;62(7):1305–11
The effect of light intensity, temperature, and diet on growth in red-legged partridge. Hermes JC, et al. **Poult Sci** 1984 May;63(5):871–4
The effect of ambient temperature and energy level on reproduction in Red-Legged partridges. Hermes JC, et al. **Poult Sci** 1983 Jul;62(7):1160–8
Performance and energy needs of 20-week-old male turkeys at different environmental temperatures. Hurwitz S, et al. **Poult Sci** 1983 Jul;62(7):1327–9
The effects of temperature and age on body weight and feed efficiency of broiler chickens. Reece FN, et al. **Poult Sci** 1983 Sep;62(9):1906–8
The effects of sorghum tannin and methionine level on the performance of laying hens maintained in two temperature environments. Sell DR, et al. **Poult Sci** 1984 Jan; 63(1):109–16
The effects of sorghum tannin and protein level on the performance of laying hens maintained in two temperature environments. Sell DR, et al. **Poult Sci** 1983 Dec; 62(12):2420–8
Effect of temperature and method of semen collection on the viability of turkey spermatozoa. Sexton TJ. **Poult Sci** 1984 Apr;63(4):844–6
Diet composition, environmental temperature, and exogenous estradiol effects on hepatic lipid deposition in growing chicks. Takahashi K, et al. **Poult Sci** 1984 Mar;63(3):524–31
Temperature sensitivity of angiotensin-induced inotropic effects. Trachte GJ, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):47–54
Effects of water temperature on some noninvasively measured components of the human dive reflex: an experimental response-topography analysis. Furedy JJ, et al. **Psychophysiology** 1983 Sep;20(5):569–78
The cell cycle dependence of thermotolerance. II. CHO cells heated at 45.0 degrees C. Read RA, et al. **Radiat Res** 1984 Jun;98(3):491–505
Mechanisms of the temperature effect on airway smooth muscle. Souhrada JF, et al. **Respir Physiol** 1983 Aug; 53(2):225–37
The effect of temperature on plasma ionized calcium measured in whole blood in vitro. Heining MP, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):709–14
Ultrafiltration hemodynamics in conscious, uremic dogs: effect of extracorporeal blood temperature. Daugirdas JT, et al. **Trans Am Soc Artif Intern Organs** 1983;29:688–92
Temperature elevation in a beam of ultrasound. Nyborg WL, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):611–20
Factors affecting the survival of Streptococcus suis type 2. Clifton-Hadley FA, et al. **Vet Rec** 1984 Jun 16; 114(24):584–6
Effects of temperature on the larval development of Angiostrongylus cantonensis in the intermediate host, Biomphalaria glabrata. Ishii AI. **Z Parasitenkd** 1984; 70(3):375–9
Relative frequencies and significance of faecal coliforms as indicators related to water temperature. Auban EG, et al. **Zentralbl Mikrobiol** 1983;138(5):329–36
[Effect of ultra low temperatures on the acrosomal proteins of bull and ram spermatozoa] Tsekova E, et al. **Vet Med Nauki** 1983;20(5–6):105–9 (Eng. Abstr.) **(Bul)**
[Hemodynamic response of the digital artery to heat and cold in normal subjects, in systemic scleroderma and in Raynaud's disease] Vayssairat M, et al. **J Mal Vasc** 1984; 9(1):7–10 (Eng. Abstr.) **(Fre)**
[Influence of the environmental temperature on the metabolic use of dietary energy and nitrogen in the growing rat] Christon R, et al. **Reprod Nutr Dev** 1984;24(3):327–41 (Eng. Abstr.) **(Fre)**
[Increase in the temperature of fire fumes. Proposal of a mathematical model] Vielledent L. **Rev Inst Hyg Mines (Hasselt)** 1983;38(2):154–9 (Eng. Abstr.) **(Fre)**
[Effect of different freezing and thawing rates on the fertilizing capacity of deep-frozen trout sperm] Stein H. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):138–9 (Eng. Abstr.) **(Ger)**
[Temperature storage ability and radiation ability of rotating anodes in high-performance roentgen tubes] Schreiber P. **Computertomographie** 1983 Sep;3(3):101–5 (Eng. Abstr.) **(Ger)**
[Crack formation in plastic-veneered restorations resulting from changes in temperature load] Hohmann W. **Dtsch Zahnarztl Z** 1983 Dec;38(12):1053–5 (Eng. Abstr.) **(Ger)**
[Changes of bacterial flora in swine stalls depending on stall temperature under experimental conditions] Lehner B, et al. **DTW** 1984 Jun 8;91(6):222–4 (Eng. Abstr.) **(Ger)**
[The effect of storage and temperature on the analysis of steroids in plasma and blood] Kley HK, et al. **J Clin Chem Clin Biochem** 1984 May;22(5):371–8 (Eng. Abstr.) **(Ger)**
[Catalytic activity of serum lipase during continuous temperature- dependent titrimetry] Rick W, et al. **J Clin Chem Clin Biochem** 1984 May;22(5):357–70 (Eng. Abstr.) **(Ger)**
[Effect of storage time and temperature on cortisol level in canine blood specimens] Thun R, et al. **Schweiz Arch Tierheilkd** 1984 May;126(5):261–4 (Eng. Abstr.) **(Ger)**
[The effect of sunlight on the air temperature in camping tents] Schubert A, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):761–3 (Eng. Abstr.) **(Ger)**
[Hardness measurements of tooth-colored plastic materials in relation to temperature] Tappe A. **Zahn Mund Kieferheilkd** 1984;72(1):35–40 (Eng. Abstr.) **(Ger)**
[Effect of physical parameters on the production of streptococcal extracellular proteins in cultures with stabilized pH. II. Effect of temperature on the formation of streptococcal extracellular products] Ozegowski JH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):361–9 (Eng. Abstr.) **(Ger)**
[The effect of temperature changes on the spontaneous heart rate of the isolated surviving human embryonal heart] Resch BA, et al. **Zentralbl Gynakol** 1983;105(20):1313–8 (Eng. Abstr.) **(Ger)**
[Susceptibility of RK13 cells to infectious bovine rhinotracheitis virus. Effect of temperature and dimethyl sulfoxide] Tozzini F, et al. **Ann Sclavo** 1982 Jul–Aug; 24(4):336–43 (Eng. Abstr.) **(Ita)**
[Temperature dependence of electrical potentials in the frog semicircular canal] Zucca G, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1016–22 (Eng. Abstr.) **(Ita)**
[Effects of temperature on postsynaptic potentials at the cyto-neural junctions of the frog semicircular canal] Zucca G, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1010–5 (Eng. Abstr.) **(Ita)**
[Influence of temperature on tolerance of diet in intermittent tube feeding] Seri S, et al. **G Clin Med** 1984 Feb; 65(2):127–31 (Eng. Abstr.) **(Ita)**
[Thermal comfort in a hospital] Bovenzi M, et al. **Med Lav** 1984 Mar–Apr;75(2):125–32 (Eng. Abstr.) **(Ita)**
[Use of encapsulated liquid crystal slabs in peripheral arteriopathies. Preliminary report] Belcaro G, et al. **Minerva Chir** 1984 Mar 15;39(5):291–4 (Eng. Abstr.) **(Ita)**
[Changes in spontaneous platelet aggregation induced by the ambient temperature] Taccola A, et al. **Minerva Med** 1984 Apr 21;75(17):975–80 (Eng. Abstr.) **(Ita)**
[Effect of temperature on the use of sodium hypochlorite as a bactericide in root canal therapy] Cavalleri G. **Minerva Stomatol** 1983 Jul–Aug;32(4):613–6 (13 ref.) (Eng. Abstr.) **(Ita)**
[Methodological survey of whole blood filtration in the evaluation of erythrocyte deformability. I. Effect of

temperature] Forconi S, et al. **Ric Clin Lab** 1983;13 Suppl 3:271–6 (Eng. Abstr.) **(Ita)**

[Studies of mineral dusts using thermal analysis. I—Quartz grain size and the alpha–beta transformation temperature] **Akashi S, et al. Nippon Eiseigaku Zasshi** 1984 Feb; 38(6):923–7 (Eng. Abstr.) **(Jpn)**

[Effects of temperature on the horizontal cell potentials (S-potentials) in the perfused isolated retina of carp] **Yagasaki K, et al. Nippon Ganka Gakkai Zasshi** 1984 Jan; 88(1):193–201 (Eng. Abstr.) **(Jpn)**

[Thermogenic responses of high-altitude adapted rats on low temperatures and low pressures] **Yanagidaira Y. Nippon Seirigaku Zasshi** 1983;45(3):134–44 (Eng. Abstr.) **(Jpn)**

[Factors affecting the serum thyroid hormone concentration during fasting in rats—with special reference to the relation with temperature] **Tanno M, et al. Radioisotopes** 1983 Jun; 32(6):271–4 (Eng. Abstr.) **(Jpn)**

[Comparison of enzyme activities at reaction temperatures of 30 and 37 degrees C] **Fushimi R, et al. Rinsho Byori** 1983 Nov;31(11):1266–70 **(Jpn)**

[Relation between acute toxicity of carbon monoxide and environmental temperature and blood alcohol level] **Molenda R. Pol Tyg Lek** 1984 Jan 23;39(4):101–5 (Eng. Abstr.) **(Pol)**

[Thermotropic structural rearrangements in blood plasma lipoproteins in ischemic heart disease] **Panasenko OM, et al. Biull Eksp Biol Med** 1984 May;97(5):558–61 (Eng. Abstr.) **(Rus)**

[Effect of temperature in vivo and in vitro on oxidation and phosphorylation in the myocardial mitochondria of white rats] **Preobrazhenskaia VK. Biull Eksp Biol Med** 1984 Aug; 97(8):173–5 (Eng. Abstr.) **(Rus)**

[Temperature dependence of the kinetics of the fast phases of photoinduced electrical potential generation in films of the purple membranes of Halobacterium halobium] **Chamorovskiĭ SK, et al. Dokl Akad Nauk SSSR** 1984; 274(3):738–41 **(Rus)**

[Tunneling between quasi-degenerate conformational states and the low-temperature thermal capacity of biopolymers. A glass-like protein model] **Gol'danskiĭ VI, et al. Dokl Akad Nauk SSSR** 1983;272(4):978–81 **(Rus)**

[Temperature dependence of coupled sodium and glucose transport. A new model] **Metel'skiĭ ST, et al. Dokl Akad Nauk SSSR** 1983;273(3):757–60 **(Rus)**

[Changes in body and organ mass and tissue respiratory intensity of rat pups under various temperature conditions in pre- and postnatal ontogeny] **Makhmudov ES, et al. Fiziol Zh** 1984 Jul–Aug;30(4):483–6 **(Rus)**

[Effect of temperature on the myocardial chrono- and inotropism of warm-blooded animals] **Izakov VIa, et al. Fiziol Zh SSSR** 1983 Sep;69(9):1188–95 (Eng. Abstr.) **(Rus)**

[Effect of various methods of temperature adaptation on thermogenesis in the white rat] **Vymiatnina ZK, et al. Fiziol Zh SSSR** 1984 Jan;70(1):87–90 **(Rus)**

[Deletions of plasmid pRP3.1ts12 derived from RP1 leading to the suppression of the thermosensitive ts12 mutation and mucoid phenotype induction in Escherichia coli K-12] **Danilevich VN, et al. Genetika (Moskva)** 1984 Mar; 20(3):373–81 (Eng. Abstr.) **(Rus)**

[Transmission of amber mutants in bacteriophage T4. II. Thermal sensitivity of the multiplication of gene 26 amber mutants in Escherichia coli B cells and the absence of such sensitivity in the case of gene 33] **Nivinskas RG, et al. Genetika (Moskva)** 1983 Jul;19(7):1075–80 (Eng. Abstr.) **(Rus)**

[Viability of Proteus vulgaris in water and soil at different temperatures] **Alton LV. Gig Sanit** 1983 Oct;(10):74–5 **(Rus)**

[Determination of the temperature parameters of polymer thermal oxidation in a toxicological experiment] **Chigarev VD, et al. Gig Sanit** 1983 Jul;(7):85–6 **(Rus)**

[Biochemical evaluation of the effect of high and low temperatures on the body] **Barkalaia AI, et al. Gig Tr Prof Zabol** 1984 Mar;(3):31–4 (Eng. Abstr.) **(Rus)**

[Effect of the mosquito cage temperature and the blood of the host food source on the formation and breakdown of the peritrophic membrane in female Aedes aegypti L. (Diptera, Culicidae)] **Kuznetsova LA. Med Parazitol (Mosk)** 1984 Jan–Feb;(1):14–8 (Eng. Abstr.) **(Rus)**

[Effect of temperature and aeration on Bacillus thuringiensis growth and sporulation] **Ignatenko IuN, et al. Mikrobiologiia** 1983 Sep–Oct;52(5):716–8 (Eng. Abstr.) **(Rus)**

[Growth and lipolytic activity of Rhizopus microsporus at various cultivation temperatures] **Zubenko TF, et al. Mikrobiologiia** 1984 Jan–Feb;53(1):50–3 (Eng. Abstr.) **(Rus)**

[Attacks of paroxysmal tachycardia in children and the outside air temperature regime in Moscow] **Ternova TI, et al. Pediatriia** 1984 May;(5):30–2 (Eng. Abstr.) **(Rus)**

[Effect of temperature on exoprotease and bacitracin synthesis and sporulation in Bacillus licheniformis 28KA] **Egorov NS, et al. Prikl Biokhim Mikrobiol** 1983 Nov–Dec; 19(6):733–7 (Eng. Abstr.) **(Rus)**

[Use of temperature parameters of the development of flies in forensic medical practice] **Vinogradova EB, et al. Sud Med Ekspert** 1984 Jan–Mar;27(1):16–9 (Eng. Abstr.) **(Rus)**

[Genome expression of the ts-mutant influenza virus at resolving and nonresolving temperatures] **Dubrovina TIa, et al. Tr Inst Pasters** 1982;59:38–41 **(Rus)**

[Characteristics of DNA synthesis in Chinese hamster cells in exponential and stationary culture growth stages after cell exposure to elevated temperature] **Sklobovskaia MV, et al. Tsitologiia** 1983 Nov;25(11):1289–95 (Eng. Abstr.) **(Rus)**

[Thermostability of brain Na+, K+ -ATPase in the presence of surface-active agents] **Kravtsova VV, et al. Ukr Biokhim Zh** 1983 Jul–Aug;55(4):392–7 (Eng. Abstr.) **(Rus)**

[Oligopeptide maps of the matrix protein of a temperature-sensitive mutant (TS 303) of the fowl plague virus] **Sokolov BP, et al. Vopr Virusol** 1984 Jan–Feb; 29(1):66–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the carbohydrate digestive transport carrier in rats exposed to the effect of a temperature factor in early postnatal ontogeny] **Rakhimov KR, et al. Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):277–81 (Eng. Abstr.) **(Rus)**

[Effect storage temperature on the biological properties of Leptospira] **Soboleva GL, et al. Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):38–42 (Eng. Abstr.) **(Rus)**

[The effect of the length of immobilization, environmental temperature and season of the year on the development of gastric lesions in rats] **Valentík M, et al. Bratisl Lek Listy** 1984 Jun;81(6):663–8 (Eng. Abstr.) **(Slo)**

[Determination of the temperature comfort range in man using equivalent temperatures] **Cabajová Z, et al. Fyslatr Reumatol Vestn** 1984 Feb;62(1):33–7 (Eng. Abstr.) **(Slo)**

[Action of temperature during irradiation with near-ultraviolet light (325–400nm) of the transforming DNA of Haemophilus influenzae] **Curiel-Quesada E, et al. Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):197–202 (Eng. Abstr.) **(Spa)**

TEMPERATURE SENSE

Original construction of thermo-esthesiometer and its application to vibration disease. **Hirosawa I. Int Arch Occup Environ Health** 1983;52(3):209–14

Availability of temperature sense indices for diagnosis of vibration disease. **Hirosawa I, et al. Int Arch Occup Environ Health** 1983;52(3):215–22

A new, reliable lower-body nociception device for unrestrained animals yields data comparable to a new portable version of the face-rub test. **Rosenfeld JP, et al. Physiol Behav** 1983 Jul;31(1):1–6

[Diagnosis of painful diabetic small fiber neuropathy using temperature sense thresholds] **Strian F, et al. Nervenarzt** 1984 Feb;55(2):103–7 **(Ger)**

PHYSIOLOGY

Suppression of C-fibre discharges upon repeated heat stimulation may explain characteristics of concomitant pain sensations. **Adriaensen H, et al. Brain Res** 1984 Jun 8; 302(2):203–11

Responses of human cutaneous afferents to CO2 laser stimuli causing pain. **Bromm B, et al. Exp Brain Res** 1984; 55(1):158–66

Peripheral neural correlates of temperature sensations in man. **Konietzny F. Hum Neurobiol** 1984;3(1):21–32

Activity of trigeminothalamic neurons in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. **Bushnell MC, et al. J Neurophysiol** 1984 Jul; 52(1):170–87

Facial sensitivity to rates of temperature change: neurophysiological and psychophysical evidence from cats and humans. **Davies SN, et al. J Physiol (Lond)** 1983 Nov; 344:161–75

Contribution of skin thermal sensitivities of large body areas to sweating response. **Libert JP, et al. Jpn J Physiol** 1984; 34(1):75–88

Vascular participation in deep cold pain. **Fruhstorfer H, et al. Pain** 1983 Nov;17(3):235–41

A comparison between total body thermosensitivity and local thermosensitivity in mammals and birds. **Mercer JB, et al. Pflugers Arch** 1984 Mar;400(3):228–34

[Proof of TNS effect using experimental heat pain] **Strian F, et al. Fortschr Neurol Psychiatr** 1984 May;52(5):172–6 (Eng. Abstr.) **(Ger)**

[Neurophysiological aspects of thermoregulatory mechanisms of the spinal cord] **Tleulin SZh. Usp Fiziol Nauk** 1984 Jan–Mar;15(1):100–14 (106 ref.) **(Rus)**

TEMPLATES

Unwinding of the DNA helix in simian virus 40 chromosome templates by RNA polymerase. **Beard P, et al. Eur J Biochem** 1984 Aug 15;143(1):39–45

Interaction of L and NS proteins of vesicular stomatitis virus with its template ribonucleoprotein during RNA synthesis in vitro. **Thornton GB, et al. J Gen Virol** 1984 Mar;65 (Pt 3):663–8

Possible dependence of learning on nontemplate RNA synthesis in neurons. **Tsitolovskiĭ LE, et al. Neurosci Behav Physiol** 1984 Mar–Apr;14(2):121–7

Non-enzymatic template-directed synthesis of RNA copolymers. **Joyce GF. Orig Life** 1984;14(1–4):613–20

[Effect of Yang-Yin composite mixture on DNA polymerase alpha and DNA template activity] **Wu ZK. Chung Yao Tung Pao** 1984 Jan;9(1):37–9 **(Chi)**

TEMPORAL ARTERIES

Superficial temporal artery cannulation in adults [letter] **Brown M, et al. Anesthesiology** 1984 Jul;61(1):114

Sports injury as cause of traumatic pseudoaneurysm of superficial temporal artery [letter] **Manz HJ, et al. Arch Pathol Lab Med** 1984 Oct;108(10):775–6

Elimination of subjective bruit with compression of temporal artery: new physical sign indicative of internal carotid artery occlusion. **Chang GY. Stroke** 1984 Sep–Oct; 15(5):903–4

[Traumatic aneurysm of the superficial temporal artery: report of a case] **Roca GR, et al. Arq Neurospiquiatr** 1984 Jun;42(2):179–82 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

Use of the Doppler probe to detect the course of the superficial temporal artery [letter] **Bienfang DC. Am J Ophthalmol** 1984 Apr;97(4):526–7

DRUG EFFECTS

[Outcome, treatment and prognosis of Horton's disease] **Barrier J, et al. Ann Med Interne (Paris)** 1983;134(5):428–35 (Eng. Abstr.) **(Fre)**

INJURIES

Traumatic temporal aneurysm. **Snape L. Br J Oral Maxillofac Surg** 1984 Jun;22(3):208–11

[Traumatic arteriovenous fistula of superficial temporal vessels—a case report] **Lee FP, et al. Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):399–403 (Eng. Abstr.) **(Chi)**

METABOLISM

Presence of alpha-adrenoceptors in human temporal arteries. Comparison between migraine patients and controls. **Edvinsson L, et al. Cephalalgia** 1983 Dec;3(4):219–24

PATHOLOGY

Temporal artery biopsy and corticosteroid treatment. **Allison MC, et al. Ann Rheum Dis** 1984 Jun;43(3):416–7

The ultimate diagnoses of patients undergoing temporal artery biopsies. **Roth AM, et al. Arch Ophthalmol** 1984 Jun; 102(6):901–3

Therapeutic temporal artery biopsy [letter] **Laibovitz RA. J Clin Neuro Ophthalmol** 1984 Jun;4(2):141–2

The therapeutic impact of temporal artery biopsy. **Hall S, et al. Lancet** 1983 Nov 26;2(8361):1217–20

[Diagnosis ex juvantibus— an observation on giant cell arteritis] **Schaling W. Tijdschr Gerontol Geriatr** 1983 Dec; 14(6):237–43 (Eng. Abstr.) **(Dut)**

[Biopsy of the temporal arteries in 20 patients] **Baudet JM, et al. Bull Soc Ophtalmol Fr** 1983 May;83(5):681–3 **(Fre)**

[Exploration of the temporal arteries in Horton's disease using the Doppler effect (letter)] **Liozon F, et al. Presse Med** 1983 Oct 1;12(34):2113–4 **(Fre)**

[Horton's disease: a too often delayed diagnosis. Plea for an early biopsy of the temporal artery] **Dorra M, et al. Sem Hop Paris** 1984 Apr 12;60(16):1137–8 (Eng. Abstr.) **(Fre)**

[Histological changes in the superficial temporal artery and their significance for extracranial-intracranial bypass operations] **Mehdorn HM, et al. Neurochirurgia (Stuttg)** 1983 Nov;26(6):181–6 (Eng. Abstr.) **(Ger)**

[Various forms of giant cell arteritis: diagnostic difficulties and significance of biopsies] **Vonesch HJ, et al. Schweiz Med Wochenschr** 1983 Jul 30;113(30):1049–53 (Eng. Abstr.) **(Ger)**

[Involvements of multiple cranial arteries in a case of temporal arteritis demonstrated by arteriography] **Yamamoto T, et al. No Shinkei Geka** 1983 Jun;11(6):635–40 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Stress, temporal artery activity, and pain in migraine headache: a prospective analysis. **Feuerstein M, et al. Headache** 1983 Nov;23(6):296–304

PHYSIOPATHOLOGY

Blood volume pulse biofeedback in the treatment of migraine headache: a controlled evaluation. **Gauthier J, et al. Biofeedback Self Regul** 1983 Sep;8(3):427–42

Temporal artery pulse amplitude wave shapes in migraineurs: a methodological investigation. **Morley S, et al. J Psychosom Res** 1983;27(6):485–92

SURGERY

[Bilateral superficial temporal artery–middle cerebral artery anastomosis for the treatment of occlusive cerebrovascular disease in children] **Zhang YJ. Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):74–5 (Eng. Abstr.) **(Chi)**

[Extracranial-intracranial bypass by anastomosis of the temporal and sylvian arteries in cerebrovascular insufficiency and various arterial aneurysms] Mohr G. **Union Med Can** 1983 Nov;112(11):1021–6, 1036 (Eng. Abstr.) **(Fre)**

[Effect of the width of anastomosis between extra- and intracranial arteries on its patency in the light of the flow continuity law and Bernoulli's law] Mrówka R. **Neurol Neurochir Pol** 1983 Nov–Dec;17(6):639–43 (Eng. Abstr.) **(Pol)**

[Angiographic study of extra- and intracranial artery anastomosis in cerebral ischemia syndromes; analysis of the morphological and hemodynamic types of anastomosis] Mrówka R. **Pol Tyg Lek** 1983 Aug 8;38(32):989–92 (Eng. Abstr.) **(Pol)**

[Extra- and intracranial artery anastomosis by a microneurosurgical method in 100 cases of cerebral ischemia; analysis of the results of examination and treatment] Mrówka R. **Pol Tyg Lek** 1983 Aug 8; 38(32):993–5 (Eng. Abstr.) **(Pol)**

[Anesthetic considerations in vascular anastomoses between the middle cerebral and the superficial temporal arteries] Lora-Tamayo JI, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):237–40 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[Does the direct immunofluorescence examination of superficial temporal artery biopsies have any value? Results of the study of 101 biopsies] Touchard G, et al. **Ann Pathol** 1984 Apr–May;4(2):115–21 (Eng. Abstr.) **(Fre)**

TEMPORAL ARTERITIS

BLOOD

Elevation of von Willebrand factor is independent of erythrocyte sedimentation rate and persists after glucocorticoid treatment in giant cell arteritis. Federici AB, et al. **Arthritis Rheum** 1984 Sep;27(9):1046–9

CEREBROSPINAL FLUID

[Oligoclonal hypergammaglobulinorrhachia in Horton's disease (letter)] Schanen A, et al. **Presse Med** 1984 Jun 23;13(26):1634–5 **(Fre)**

COMPLICATIONS

Lingual infarction and sudden blindness due to giant cell arteritis. Storm TL, et al. **Acta Med Scand** 1983;214(1):85–6

Polymyalgia rheumatica and systemic giant cell arteritis. Bioptic findings of the subclavian arteries in a case of aortic arch syndrome. Di Giacomo V, et al. **Angiology** 1984 Aug; 35(8):528–33

Bilateral carotid artery occlusion resulting from giant cell arteritis. Howard GF 3d, et al. **Ann Neurol** 1984 Feb; 15(2):204–7

Fatal neurological complications in temporal arteritis [letter] Jones JG. **Aust NZ J Med** 1983 Jun;13(3):293–4

Tonic pupil with giant cell arteritis. Currie J, et al. **Br J Ophthalmol** 1984 Feb;68(2):135–8

Polymyalgia rheumatica and giant cell arteritis. Bollet AJ. **Conn Med** 1983 Dec;47(12):743–8

Muscle syndromes—Part I: Polymyalgia rheumatica. **IMJ** 1984 Apr;165(4):282–3

Giant cell arteritis and normal pressure hydrocephalus. A case report. Girotti F, et al. **Ital J Neurol Sci** 1984 Mar; 5(1):71–5

Giant cell arteritis causing brachial artery aneurysm in an eight-year-old child. Holleman JH Jr, et al. **J Miss State Med Assoc** 1983 Dec;24(12):327–8

The coexistence of rheumatoid arthritis and giant cell arteritis. Hall S, et al. **J Rheumatol** 1983 Dec;10(6):995–7

Coexistence of temporal arteritis and rheumatoid arthritis [letter] Hørslev-Petersen K, et al. **J Rheumatol** 1983 Oct; 10(5):831–3

Risk–benefit considerations in the management of polymyalgia rheumatica. Chang RW, et al. **Med Decis Making** 1983;3(4):459–75

[Giant cell arteritis and ischemic heart disease] Engby B, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3823–5 (Eng. Abstr.) **(Dan)**

[Aortic dissection and Horton's disease. 2 cases] Penin F, et al. **Ann Med Interne (Paris)** 1984;135(2):153–7 (Eng. Abstr.) **(Fre)**

[Choroid hemorrhage at 2 different times in Horton's disease] Stecken-Desplat M, et al. **Bull Soc Ophtalmol Fr** 1983 Mar; 83(3):423–6 (Eng. Abstr.) **(Fre)**

[Peripheral neuropathies within the nosologic framework of rhizomelic pseudopolyarthritis and Horton's disease (letter)] Büschges B, et al. **Presse Med** 1984 Jun 23; 13(26):1636 **(Fre)**

[Bronchopulmonary manifestations of Horton's disease. Apropos of a case] Rodat O, et al. **Rev Med Interne** 1983 Sep;4(3):225–30 (Eng. Abstr.) **(Fre)**

[Coronary complications of Horton's disease: precipitating role of corticoids?] Auplat P, et al. **Sem Hop Paris** 1984 May 3;60(19):1353–4 (Eng. Abstr.) **(Fre)**

[Association of Horton's disease and periarteritis nodosa. Apropos of 3 cases] Godeau P, et al. **Sem Hop Paris** 1984 Jan 12;60(1):30–4 (Eng. Abstr.) **(Fre)**

[Giant cell arteritis as a cause of tongue necrosis] Symanzik J. **HNO** 1984 Mar;32(3):115–8 (Eng. Abstr.) **(Ger)**

[Hutchinson-Horton giant cell arteritis and rhizomelic polymyalgia. I. Hutchinson-Horton arteritis] Lovisetto P, et al. **Minerva Med** 1984 Apr 21;75(17):951–4 (Eng. Abstr.) **(Ita)**

[Hutchinson-Horton giant cell arteritis and rhizomelic polymyalgia. III. Current pathogenetic and nosographic aspects] Lovisetto P, et al. **Minerva Med** 1984 May 7; 75(19):1103–10 (Eng. Abstr.) **(Ita)**

[Case of Horton's arteritis with development of simultaneous bilateral amaurosis] Maggioni F, et al. **Riv Patol Nerv Ment** 1983 Jan–Feb;104(1):1–7 (Eng. Abstr.) **(Ita)**

[Temporal arteritis and the aortic arch syndrome (letter)] Gil Aguado A, et al. **Med Clin (Barc)** 1983 Sep 10; 81(6):275–6 **(Spa)**

[Fatiguability of the ocular musculature in temporal arteritis (letter)] Sanchidrián Fernández P, et al. **Med Clin (Barc)** 1983 Sep 24;81(8):367 **(Spa)**

DIAGNOSIS

Visual evoked potentials as an aid in the diagnosis and treatment of temporal arteritis. Hamburger HA, et al. **Ann Ophthalmol** 1984 Apr;16(4):330–2

ESR in polymyalgia rheumatica and giant cell arteritis [letter] Jones JG, et al. **Ann Rheum Dis** 1983 Dec;42(6):702–3

Giant cell arteritis of the posterior cerebral circulation presenting with ataxia and ophthalmoplegia. Monteiro ML, et al. **Arch Ophthalmol** 1984 Mar;102(3):407–9

Giant cell arteritis presenting as a bilateral stroke. Small P. **Arthritis Rheum** 1984 Jul;27(7):819–21

Giant cell arteritis in two Chinese patients [letter] Wilske KR, et al. **Arthritis Rheum** 1984 Jan;27(1):120

Cranial arteritis. A twenty-year review of cases. Koorey DJ. **Aust NZ J Med** 1984 Apr;14(2):143–7

Temporal arteritis presenting as a symmetrical peripheral polyarthritis. Smith MD, et al. **Aust NZ J Med** 1983 Dec; 13(6):639–40

Giant cell (temporal) arteritis presenting with syncope. Cocksedge SH, et al. **Clin Rheumatol** 1984 Jun;3(2):235–7

Giant cell arteritis of the median nerve simulating carpal tunnel syndrome. Merianos P, et al. **Hand** 1983 Oct; 15(3):249–51

Giant-cell arteritis presenting to the dentist: a need for urgent diagnosis. Jones JG, et al. **J Dent** 1983 Dec;11(4):356–60

The systemic manifestations of giant cell arteritis within the lower extremity. Wininger CD. **J Foot Surg** 1984 Jan–Feb; 23(1):70–3

Isolated benign cerebral vasculitis or migrainous vasospasm? Serdaru M, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan; 47(1):73–6

Brachial plexitis mimicking C5 radiculopathy—a presentation of giant cell arteritis [letter] Shapiro L, et al. **J Rheumatol** 1983 Aug;10(4):670–1

The therapeutic impact of temporal artery biopsy. Hall S, et al. **Lancet** 1983 Nov 26;2(8361):1217–20

The dotted corticomedullary junction: a sonographic indicator of small-vessel disease in hypertensive children. Garel LA, et al. **Radiology** 1984 Aug;152(2):419–22

Polymyalgia rheumatica and giant cell arteritis. Healey LA, et al. **West J Med** 1984 Jul;141(1):64–7

More on polymyalgia rheumatica and giant cell arteritis. Hunder GG. **West J Med** 1984 Jul;141(1):68–70

[Diagnosis ex juvantibus— an observation on giant cell arteritis] Schaling W. **Tijdschr Gerontol Geriatr** 1983 Dec; 14(6):237–43 (Eng. Abstr.) **(Dut)**

[Tussigenic form of Horton's disease: a new case (letter)] Ciurana AJ, et al. **Rev Med Interne** 1984 Mar;5(1):88 **(Fre)**

[Giant cell temporal arteritis with low blood sedimentation rate] Rouhani F. **Schweiz Med Wochenschr** 1984 Jan 14; 114(2):54–5 (Eng. Abstr.) **(Fre)**

[Horton's disease: a too often delayed diagnosis. Plea for an early biopsy of the temporal artery] Dorra M, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1137–8 (Eng. Abstr.) **(Fre)**

[Horton's disease. Paucisymptomatic forms. Apropos of a series of 37 cases] Quilichini R, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2262–5 (54 ref.) (Eng. Abstr.) **(Fre)**

[Unusual muscular manifestations in a case of Horton's disease] Wendling D, et al. **Sem Hop Paris** 1983 Oct 27; 59(39):2713–5 (Eng. Abstr.) **(Fre)**

[Differential diagnosis at the bedside. Cranial arteritis] Weber-Guskar W. **MMW** 1983 Dec 23;125(51):55 **(Ger)**

[Various forms of giant cell arteritis: diagnostic difficulties and significance of biopsies] Vonesch HJ, et al. **Schweiz Med Wochenschr** 1983 Jul 30;113(30):1049–53 (Eng. Abstr.) **(Ger)**

[Anatomoclinical aspects of Horton's disease] Verdeç F, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Jul–Sep; 28(3):181–8 (Eng. Abstr.) **(Rum)**

[Temporal arteritis and rheumatic polymyalgia] Briskman AM. **Klin Med (Mosk)** 1984 Apr;62(4):34–40 (0 ref.) **(Rus)**

[Giant cell arteritis] Ivković L, et al. **Srp Arh Celok Lek** 1983 May;111(5):565–81 (Eng. Abstr.) **(Scc)**

[Giant cell arteritis (temporal arteritis and polymyalgia rheumatica)] Mićić R. **Srp Arh Celok Lek** 1983 May; 111(5):679–95 (87 ref.) (Eng. Abstr.) **(Scc)**

[Giant cell arteritis: temporal arteritis, rheumatic polymyalgia] Ayensa C, et al. **Rev Med Univ Navarra** 1983 Sep;27(3):47–50 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Iatrogenic morbidity accompanying suppression of temporal arteritis by adrenal corticosteroids. Rubinow A, et al. **Ann Ophthalmol** 1984 Mar;16(3):258–60, 262, 264–5

Cranial arteritis: treatment is urgent. **Drug Ther Bull** 1984 Feb 10;22(3):11–2

[Role of dapsone in the treatment of Horton's disease and polymyalgia rheumatica] Doury P, et al. **Ann Med Interne (Paris)** 1984;135(1):31–5 (Eng. Abstr.) **(Fre)**

[Results of a regional survey on the treatment of rhizomelic pseudopolyarthritis and temporal arteritis. Apropos of 242 cases treated by various modalities with synthetic antimalarials, corticoids and non-steroidal anti-inflammatory agents] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 1983 Jul–Sep;50(8–9):563–71 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Temporal arteritis in polymyalgia rheumatica: immune complex deposits and the role of the leukocyte elastase in the pathogenesis. Velvart M, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):320–7

FAMILIAL & GENETIC

Polymyalgia rheumatica and temporal arteritis in a married couple. Garfinkel D, et al. **Am J Med Sci** 1984 May–Jun; 287(3):48–9

Histocompatibility antigens in polymyalgia rheumatica and giant cell arteritis. Armstrong RD, et al. **J Rheumatol** 1983 Aug;10(4):659–61

[HLA groups in Horton's disease (letter)] Bignon JD, et al. **Presse Med** 1984 Feb 11;13(5):289 **(Fre)**

[Familial Horton's disease. Possible relationship with the A28, CW3, B15, DR4 HLA haplotype (letter)] Ninet J, et al. **Presse Med** 1983 Nov 19;12(42):2697–8 **(Fre)**

IMMUNOLOGY

Immunoglobulin (Gm) allotype frequencies in patients with giant bell arteritis and polymyalgia rheumatica. Demaine AG, et al. **J Immunogenet** 1983 Oct;10(5):343–8

METABOLISM

Destruction of elastic tissue (elastolysis) as a link between atherosclerosis and the temporal arteritis/polymyalgia rheumatica syndrome. Observations on an actinic factor in vascular disease. O'Brien JP. **Pathol Biol (Paris)** 1984 Feb;32(2):123–38 (192 ref.)

OCCURRENCE

The epidemiology of giant cell arteritis. Report of a ten-year study in Shelby County, Tennessee. Smith CA, et al. **Arthritis Rheum** 1983 Oct;26(10):1214–9

PATHOLOGY

Giant cell arteritis with pulmonary nodules. Bradley JD, et al. **Am J Med** 1984 Jul;77(1):135–40

Temporal artery biopsy and corticosteroid treatment. Allison MC, et al. **Ann Rheum Dis** 1984 Jun;43(3):416–7

The ultimate diagnoses of patients undergoing temporal artery biopsies. Roth AM, et al. **Arch Ophthalmol** 1984 Jun; 102(6):901–3

Immunohistologic and cytochemical studies of temporal arteritis. Banks PM, et al. **Arthritis Rheum** 1983 Oct; 26(10):1201–7

Temporal arteritis—a case report. Lee KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):589–93

[Anatomopathology of inflammatory arteriopathies. Peculiar aspects of giant cell arteritis] Chomette G, et al. **Ann Med Interne (Paris)** 1983;134(5):421–7 (70 ref.) (Eng. Abstr.) **(Fre)**

[Electron microscopic and immunohistologic studies of patients with Hortor's temporal arteritis] Radda TM, et al. **Wien Med Wochenschr [Suppl]** 1984;81:1–24 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Transient oculomotor synkinesis in temporal arteritis. Sibony PA, et al. **Arch Neurol** 1984 Jan;41(1):87–8

Temporal arteritis—dysphagia and a normal ESR [letter] Watson P. **JAMA** 1984 Sep 14;252(10):1280–1

Temporal arteritis. Persellin ST, et al. **Minn Med** 1984 Jan; 67(1):43–4

[Late recurrence of Horton's disease with sicca syndrome] Chagnon JP, et al. **Arch Anat Cytol Pathol** 1983; 31(5):318–20 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Involvements of multiple cranial arteries in a case of temporal arteritis demonstrated by arteriography] Yamamoto T, et al. **No Shinkei Geka** 1983 Jun;11(6):635–40 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Abnormal radionuclide liver scans in giant cell arteritis. Jones J, et al. **Ann Rheum Dis** 1984 Aug;43(4):583–5

SURGERY

Giant cell arteritis involving the carotid artery. Fortner GS, et al. **Surgery** 1984 Jun;95(6):759–62

VETERINARY

Giant-cell arteritis in a chelonian (Clemmys leprosa). Elkan E. **J Comp Pathol** 1983 Oct;93(4):613–8

TEMPORAL BONE

see related
LABYRINTH

A recurrent chondrosarcoma of the skull. Villani M, et al. **Acta Neurol (Napoli)** 1984 Feb;6(1):32–9

Rhabdomyosarcoma of the temporal bone. Chasin WD. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:71–3

Transcervical transmastoid approach to lesions of the jugular bulb. Donald PJ, et al. **Arch Otolaryngol** 1984 May; 110(5):309–14

The treatment of glomus tumors in the temporal bone by megavoltage radiation. Cummings BJ, et al. **Cancer** 1984 Jun 15;53(12):2635–40

Radiotherapy of paragangliomas. Lybeert ML, et al. **Clin Otolaryngol** 1984 Apr;9(2):105–9

Patent foramen of Huschke and spontaneous salivary fistula. Sharma PD, et al. **J Laryngol Otol** 1984 Jan;98(1):83–5

Secondary malignant tumour of the temporal bone presenting as jaw joint dysfunction. Worthington P. **J Laryngol Otol** 1983 Dec;97(12):1157–61

Sudden deafness and vertigo due to inner ear hemorrhage—a temporal bone case report. Johnson A, et al. **J Otolaryngol** 1984 Aug;13(4):201–7

Significance of apparent intratympanic meningiomas. Rietz DR, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1397–404

Lesions metastatic to the infratemporal fossa: report of a case and review of the literature. Kaplan JN, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):241–6

[Eagle's syndrome] Curioni C, et al. **Minerva Stomatol** 1983 Jul–Aug;32(4):495–500 (24 ref.) (Eng. Abstr.) **(Ita)**

[A case of thyroid carcinoma with temporal bone metastasis] Sasaki J, et al. **Gan No Rinsho** 1984 Feb;30(2):162–6 (Eng. Abstr.) **(Jpn)**

[Osteomas of the temporal bone] Antoniv VF, et al. **Vestn Otorinolaringol** 1984 May–Jun;(3):50–3 (Eng. Abstr.) **(Rus)**

[2 cases of congenital cholesteatoma of the temporal bone] Kruchinina IL, et al. **Vestn Otorinolaringol** 1984 Mar–Apr; (2):65–6 **(Rus)**

[Cholesteatoma of the temporal bone and middle cranial fossa in a female patient with chronic mesotympanitis] Nagibov VM. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):68–9 **(Rus)**

ABNORMALITIES

Congenital anomalies of the inner ear. Sando I, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:110–8

Styloid–stylohyoid syndrome in the differential diagnosis of atypical facial pain. Dolan EA, et al. **Surg Neurol** 1984 Mar;21(3):291–4

[Eagle's syndrome] Yamazaki M, et al. **Rinsho Hoshasen** 1983 Sep;28(9):977–80 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Developmental temporal bone anatomy and its clinical significance: variations on themes by H. F. Schuknecht. Spector GJ. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:101–9

Effect of increased upward displacement of the glenoid fossa on mandibular growth. Kantomaa T. **Eur J Orthod** 1984 Aug;6(3):183–91

The styloid process as an anatomic hindrance in orthognathic surgery. Braun TW, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):676–9

[Surgical anatomy of the epitympanic sinus] Wang AL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):269–72 (Eng. Abstr.) **(Fre)**

[The fronto-temporal region and its clinically important distance from the optic nerve. 1. The fronto temporal region] Lang J. **Neurochirurgia (Stuttg)** 1983 Nov; 26(6):161–3 (Eng. Abstr.) **(Ger)**

[Possibilities of metric sex determination from the pars petrosa ossis temporalis] Schutkowski H, et al. **Z Rechtsmed** 1983;90(3):219–27 (Eng. Abstr.) **(Ger)**

INJURIES

High-resolution CT of temporal bone trauma. Holland BA, et al. **AJR** 1984 Aug;143(2):391–5

Temporal bone fractures and cholesteatoma. Freeman J. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):558–60

Fracture of an ossified stylohyoid ligament diagnosed by computed tomography. McCorkell SJ. **J Comput Assist Tomogr** 1984 Jun;8(3):544–6

Post-traumatic facial nerve paralysis: three cases of delayed temporal bone exploration with recovery. Brodsky L, et al. **Laryngoscope** 1983 Dec;93(12):1560–5

Post-traumatic cholesteatoma of the external auditory canal. Brookes GB, et al. **Laryngoscope** 1984 May;94(5 Pt 1):667–70

Facial paralysis in longitudinal temporal bone fractures: a review of 26 cases. Lambert PR, et al. **Laryngoscope** 1984 Aug;94(8):1022–6

Temporal bone fractures. Goodwin WJ Jr. **Otolaryngol Clin North Am** 1983 Aug;16(3):651–9

Temporal bone trauma: high-resolution computed tomographic evaluation. Johnson DW, et al. **Radiology** 1984 May;151(2):411–5

[Fractures of the tympanic bone: unrecognized fractures. Apropos of 18 cases] Coudray C, et al. **J Fr Otorhinolaryngol** 1984 Feb;33(2):69–74 **(Fre)**

[Roentgen diagnosis of laterobasal skull fractures] Biedermann F, et al. **Radiol Diagn (Berl)** 1983;24(6):805–17 (Eng. Abstr.) **(Ger)**

[Epidemiology of fronto-basilar head injuries] Kościuczyk A, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):275–9 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Cryptococcal infection of the temporal bone. Cash JB, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):257–60

PATHOLOGY

The vestibular aqueduct in patients with Meniere's disease. A temporal bone histopathological investigation. Sando I, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun; 97(5–6):558–70

Meniere's disease: peripheral or central origin. A neuroanatomical study. Thomsen J, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:46–51

Caprine beta mannosidosis: temporal bone pathology. Benitez JT, et al. **Adv Otorhinolaryngol** 1983;31:135–47

Late posttraumatic rhinogenic meningitis. Temporal bone findings of meningogenic labyrinthitis. Saito H. **Adv Otorhinolaryngol** 1983;31:175–83

A metastatic glomus jugulare tumor. A temporal bone report. El Fiky FM, et al. **Am J Otol** 1984 Jan;5(3):197–200

Cockayne syndrome—an audiologic and temporal bone analysis. Shemen LJ, et al. **Am J Otol** 1984 Apr;5(4):300–7

Meningiomas invading the temporal bone with extension to the neck. Nager GT, et al. **Am J Otolaryngol** 1983 Sep–Oct; 4(5):297–324

Histologic evaluation of temporal bones with cochlear implants. Linthicum FH Jr, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):610–3

Temporal bone pathology in DiGeorge's syndrome. Ohtani I, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):220–4

Mucopolysaccharidosis I–H (Hurler's syndrome) and human temporal bone histopathology. Schachern PA, et al. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):65–9

Histology, pathogenesis, and treatment of cholesteatoma. Abramson M, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:125–8

The pathologic features of keratosis obturans and cholesteatoma of the external auditory canal. Naiberg J, et al. **Arch Otolaryngol** 1984 Oct;110(10):690–3

Exostoses of the internal auditory canal. Smelt GJ. **J Laryngol Otol** 1984 Apr;98(4):347–50

A histological comparison of the temporal bone in strangulation and drowning. Liu C, et al. **J Otolaryngol** 1984 Feb;13(1):44–6

Cellular and subcellular events of bone resorption in human and experimental cholesteatoma: the role of osteoclasts. Chole RA. **Laryngoscope** 1984 Jan;94(1):76–95 (74 ref.)

Significance of tomography in Meniere's disease: periaqueductal pneumatization. Hall SF, et al. **Laryngoscope** 1983 Dec;93(12):1551–3

Otosclerosis and otospongiosis: clinical and histological comparisons. Parahy C, et al. **Laryngoscope** 1984 Apr; 94(4):508–12

Cis-platinum ototoxicity: clinical experience and temporal bone histopathology. Strauss M, et al. **Laryngoscope** 1983 Dec;93(12):1554–9

Eosinophilic granuloma in the temporal bone and skull. Appling D, et al. **Otolaryngol Head Neck Surg** 1983 Aug; 91(4):358–65

Pseudocystic destruction of the temporal bone caused by choroid plexus papilloma. Fleszar I, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):121–3

[Changes in the stylohyoid chain and Eagle's syndrome] Lavallée M, et al. **Union Med Can** 1984 May;113(5):413–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Acoustic admittance measurements in human temporal bones. Roberto M, et al. **Audiology** 1983 Sep–Oct;22(5):438–50

Temporal bone adaptations in response to protrusive function in juvenile and young adult rhesus monkeys (Macaca mulatta). Hinton RJ, et al. **Eur J Orthod** 1984 Aug; 6(3):155–74

[Holographic study of experimentally induced elastic deformations of the temporal bone] Dürrer J, et al. **Cesk Otolaryngol** 1983 Jul;32(5):289–93 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Acoustical characteristics of surgically altered human temporal bones. Browning GG, et al. **Clin Otolaryngol** 1984 Apr;9(2):87–91

RADIOGRAPHY

Clinical significance of partial volume averaging of the temporal bone. Chakeres DW. **AJNR** 1984 May–Jun; 5(3):297–302

Jugular foramen: anatomic and computed tomographic study. Daniels DL, et al. **AJR** 1984 Jan;142(1):153–8

Pneumolabyrinth: a new radiologic sign for fracture of the stapes footplate. Mafee MF, et al. **Am J Otol** 1984 Jul; 5(5):374–5

Sclerosteosis involving the temporal bone: clinical and radiologic aspects. Nager GT, et al. **Am J Otolaryngol** 1983 Jan–Feb;4(1):1–17

High-resolution computed tomography of the temporal bone: its role in the evaluation of middle ear disease. Viraponsge C, et al. **Am J Otolaryngol** 1983 Mar–Apr;4(2):107–12

High resolution computed tomography in evaluation of the temporal bone. Swartz JD, et al. **Head Neck Surg** 1984 May–Jun;6(5):921–31

Changing concepts in the management of otitic intracranial infection: use of computerized axial tomography in early detection and monitoring of cerebritis. Freeman J. **Laryngoscope** 1984 Jul;94(7):907–11

Histiocytosis X of the head and neck. Jones RO, et al. **Laryngoscope** 1984 Aug;94(8):1031–5

Cochlear aqueduct radiographic anatomy in temporal bone preparations and in sudden hearing loss. Strauss M, et al. **Laryngoscope** 1983 Oct;93(10):1341–4

Paragangliomas of the temporal bone: high-resolution CT studies. Chakeres DW, et al. **Radiology** 1984 Mar; 150(3):749–53

Radiologic approach to paragangliomas of the temporal bone. Curtin HD. **Radiology** 1984 Mar;150(3):837–8

The Meckel cave: computed tomographic study. Part I: Normal anatomy; Part II: Pathology. Kapila A, et al. **Radiology** 1984 Aug;152(2):425–33

High-resolution CT in the evaluation of glomus tumors of the temporal bone. Lo WW, et al. **Radiology** 1984 Mar; 150(3):737–42

High-resolution CT of the jugular foramen: anatomy and vascular variants and anomalies. Lo WW, et al. **Radiology** 1984 Mar;150(3):743–7

The contribution of computed tomography to the management of glomus tumors of the temporal bone. Valavanis A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(5):411–5

[Computer tomographic anatomy of the temporal bone] Valavanis A. **Praxis** 1983 Nov 15;72(46):1465–8 (Eng. Abstr.) **(Ger)**

[Method for 1-stage tomography of the foramina jugulares] Golovach GG. **Vestn Rentgenol Radiol** 1983 May–Jun; (3):64–6 (Eng. Abstr.) **(Rus)**

SURGERY

Long-term observation of total temporal bone resection in carcinoma of the middle ear and temporal bone. Wu BT, et al. **Chin Med J [Engl]** 1984 Mar;97(3):205–10

Total en bloc resection of the temporal bone and carotid artery for malignant tumors of the ear and temporal bone. Graham MD, et al. **Laryngoscope** 1984 Apr;94(4):528–33

Removal of foreign bodies using image intensifier fluoroscopy. Moccio CL, et al. **NY State Dent J** 1983 Nov; 49(9):696, 698

Eminectomy and meniscorhaphy for internal derangements of the temporomandibular joint. Rationale and operative technique. Weinberg S. **Oral Surg** 1984 Mar;57(3):241–9

Surgical treatment of skull-base malignancy. Kinney SE, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):94–9

Temporal bone involvement in polyostotic fibrous dysplasia. Wolfson RJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):60–4

[Solitary eosinophilic granulomas of the temporal bone. Apropos of an internal petrous form] Bouchez B, et al. **Rev Otoneuroophtalmol** 1983 Oct–Dec;55(5):401–9 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

[Mastoid obliteration technics with autograft tissue—a new trial using a piece from the iliac crest and a temporalis osteomuscular flap] Kikawada T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Aug;86(8):855–62 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Fenestration operation: long-term histopathological findings. Fabiani M. **Adv Otorhinolaryngol** 1983;31:165–74

TEMPORAL LOBE

Expression of muscarinic binding sites in primary human brain tumors. Gurwitz D, et al. **Brain Res** 1984 May; 316(1):61–70

NMR imaging in temporal lobe epilepsy due to gliomas. Aaron J, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):608–13

Delayed traumatic intracerebral hematoma: report of 15 cases operatively treated. Young HA, et al. **Neurosurgery** 1984 Jan;14(1):22–5

[Gangliogliomas in cerebral hemisphere] Imanaga H, et al. **No Shinkei Geka** 1984 Apr;12(5):627–33 (Eng. Abstr.) **(Jpn)**

[Case of alexia with agraphia caused by hematoma of the right temporal lobe] Neshige R, et al.

Rinsho Shinkeigaku 1983 Sep;23(9):804–7 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Projections from the visual cortical region of the superior temporal sulcus to the striatum and claustrum in the macaque monkey. Maioli MG, et al. **Arch Ital Biol** 1983 Dec;121(4):259–66

Further observations on parieto-temporal connections in the rhesus monkey. Seltzer B, et al. **Exp Brain Res** 1984; 55(2):301–12

The intrinsic architectonic and connectional organization of the superior temporal region of the rhesus monkey. Galaburda AM, et al. **J Comp Neurol** 1983 Dec 1; 221(2):169–84

Laminar origin and septotemporal distribution of entorhinal and perirhinal projections to the hippocampus in the cat. Witter MP, et al. **J Comp Neurol** 1984 Apr 10;224(3):371–85

[Anatomic characteristics of the transverse gyrus of the temporal lobe of the human brain (gyri temporales transversi)] Teofilovski G, et al. **Srp Arh Celok Lek** 1983 Mar;111(3):319–25 (Sec)

BLOOD SUPPLY

[Agraphia and preservation of music writing in a bilingual piano teacher] Assal G, et al. **Rev Neurol (Paris)** 1983; 139(10):569–74 (Eng. Abstr.) (Fre)

[Extra- and intracranial artery anastomosis by a microneurosurgical method in 100 cases of cerebral ischemia; analysis of the results of examination and treatment] Mrówka R. **Pol Tyg Lek** 1983 Aug 8; 38(32):993–5 (Eng. Abstr.) (Pol)

[Angiographic study of extra- and intracranial artery anastomosis in cerebral ischemia syndromes; analysis of the morphological and hemodynamic types of anastomosis] Mrówka R. **Pol Tyg Lek** 1983 Aug 8;38(32):989–92 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Neurochemical enzyme changes in Alzheimer's and Pick's disease. Meier-Ruge W, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):161–5

Tetrahydrobiopterin metabolism in the temporal lobe of patients dying with senile dementia of Alzheimer type. Barford PA, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):736–8

Chemical lateralization in human temporal cortex. Sorbi S, et al. **Monogr Neural Sci** 1984;11:157–62

GROWTH & DEVELOPMENT

Influence of hydrocortisone, progesterone and testosterone on dendritic growth in vitro. Manolides LS, et al. **Acta Otolaryngol (Stockh)** 1984 May-Jun;97(5–6):509–22

METABOLISM

[3H]R05-4864 and [3H]flunitrazepam binding in kainate-lesioned rat striatum and in temporal cortex of brains from patients with senile dementia of the Alzheimer type. Owen F, et al. **Brain Res** 1983 Nov 14;278(1–2):373–5

PATHOLOGY

Ammon's horn or hippocampal sclerosis without epilepsy in mental handicap. Sylvester PE. **Br J Psychiatry** 1984 May;144:538–41

The temporal lobe in dementia of Alzheimer's type. Wilcock GK. **Gerontology** 1983;29(5):320–4

[Role of structures in the left temporal lobe of the brain in the etiology of emotiono-affec.ive disorders in epileptics] Rachkov BM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(6):854–9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Visual learning suppressed by cooling the temporal pole. Horel JA, et al. **Behav Neurosci** 1984 Apr;98(2):310–24

Activity of neurons in monkey posterior temporal cortex during multidimensional visual discrimination tasks. Braitman DJ. **Brain Res** 1984 Jul 30;307(1–2):17–28

Responses of striatal neurons in the behaving monkey. 2. Visual processing in the caudal neostriatum. Caan W, et al. **Brain Res** 1984 Jan 2;290(1):53–65

The temporal component of the auditory evoked potential: a reinterpretation. Peronnet F, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;59(1):67–71

Visual responses of inferior temporal neurons in awake rhesus monkey. Richmond BJ, et al. **J Neurophysiol** 1983 Dec; 50(6):1415–32

Stimulus-selective properties of inferior temporal neurons in the macaque. Desimone R, et al. **J Neurosci** 1984 Aug; 4(8):2051–62

Preserved learning in monkeys with medial temporal lesions: sparing of motor and cognitive skills. Zola-Morgan S, et al. **J Neurosci** 1984 Apr;4(4):1072–85

Impulse activity of neurons of the brainstem reticular formation after functional (cold) disconnection of the temporal neocortex. Aleksandrova II, et al. **Neurosci Behav Physiol** 1983 Nov-Dec;13(6):403–5

Characteristics of receptive fields of posterior temporal cortical neurons in cats. Manasyan KA. **Neurosci Behav Physiol** 1983 Jul-Aug;13(4):236–8

People who report religious experiences may also display enhanced temporal-lobe signs. Persinger MA. **Percept Mot Skills** 1984 Jun;58(3):963–75

Religious and mystical experiences as artifacts of temporal lobe function: a general hypothesis. Persinger MA. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1255–62

Temporal lobe lesions and perception of species-specific vocalizations by macaques. Heffner HE, et al. **Science** 1984 Oct 5;226(4670):75–6

PHYSIOPATHOLOGY

Basic neurophysiological mechanisms in epilepsy. Rosén I. **Acta Psychiatr Scand [Suppl]** 1984;313:27–34

Differential psychiatric features in epilepsy; relationship to lesion laterality. Sherwin I. **Acta Psychiatr Scand [Suppl]** 1984;313:92–103

Hyperconnection. Lutton S. **Aust NZ J Psychiatry** 1984 Mar; 18(1):3–6 (43 ref.)

Functional anatomy of limbic seizures: focal discharges from medial entorhinal cortex in rat. Collins RC, et al. **Brain Res** 1983 Nov 28;280(1):25–40

Bitemporal lesions dissociate auditory evoked potentials and perception. Woods DL, et al. **Electroencephalogr Clin Neurophysiol** 1984 Mar; 57(3):208–20

The EEG in obsessive-compulsive disorder. Jenike MA, et al. **J Clin Psychiatry** 1984 Mar;45(3):122–4

Epileptic Kluver-Bucy syndrome: case report. Nakada T, et al. **J Clin Psychiatry** 1984 Feb;45(2):87–8

Carbamazepine as adjunctive treatment in nonepileptic chronic inpatients with EEG temporal lobe abnormalities. Neppe VM. **J Clin Psychiatry** 1983 Sep;44(9):326–31

[Various features of the functional organization of the brain of epileptics] Chibisova AN. **Zh Nevropatol Psikhiatr** 1984; 84(6):863–8 (Eng. Abstr.) (Rus)

SURGERY

Selective memory improvement and impairment in temporal lobectomy for epilepsy. Novelly RA, et al. **Ann Neurol** 1984 Jan;15(1):64–7

Dichotic test results for normal subjects and for temporal lobectomy patients. Olsen WO. **Ear Hear** 1983 Nov-Dec; 4(6):324–30

Ideative-emotive behavioral characteristics of patients following left or right temporal lobectomy. Fedio P, et al. **Epilepsia** 1983;24 Suppl 2:S117–30 (70 ref.)

Cognitive rehabilitation two and one-half years post right temporal lobectomy. Rao SM, et al. **J Clin Neuropsychol** 1983 Dec;5(4):313–20

Olfactory functioning in temporal lobectomy patients. Eskenazi B, et al. **Neuropsychologia** 1983;21(4):365–74

Dyslexia in a right-handed patient with a posterior lesion of the right cerebral hemisphere. Ogden JA. **Neuropsychologia** 1984;22(3):265–80

TRANSPLANTATION

Transplantation of human cortex with Alzheimer's disease into rat occipital cortex; a model for the study of Alzheimer disease. van den Bosch de Aguilar P, et al. **Experientia** 1984 Apr 15;40(4):402–3

TEMPORAL MUSCLE see under **MASTICATORY MUSCLES**

TEMPORARY THRESHOLD SHIFT, AUDITORY see **AUDITORY FATIGUE**

TEMPOROMANDIBULAR JOINT

Pain in the temporomandibular joint. Cawson RA. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1857–8

ABNORMALITIES

Bilateral congenital coloboma of lids, fusion of gums and the temporomandibular joints. Sternberg I, et al. **Ann Ophthalmol** 1983 Sep;15(9):822–3

Internal derangements of the temporomandibular joint: diagnosis by direct sagittal computed tomography. Manzione JV, et al. **Radiology** 1984 Jan;150(1):111–5

ANATOMY & HISTOLOGY

Superimpositional assessment of treatment-associated changes in the temporomandibular joint and the mandibular symphysis. Baumrind S, et al. **Am J Orthod** 1983 Dec; 84(6):443–65

The microscopic structure of fibrous articular surfaces: a review. Wilson NH, et al. **Anat Rec** 1984 Jun;209(2):143–52 (38 ref.)

Influence of function on temporomandibular joint remodeling and degenerative disease. Mongini F. **Dent Clin North Am** 1983 Jul;27(3):479–94

Centric relation as the treatment position. Gilboe DB. **J Prosthet Dent** 1983 Nov;50(5):685–9

Statistical study of the angle formed by the lateral part of the mandibular condyle and the horizontal plane. Preti G, et al. **J Prosthet Dent** 1983 Oct;50(4):571–5

[An error in the Reichert-Gaupp theory. A contribution to onto- and phylogenesis of the temporomandibular joint and ear ossicles in mammals] Otto HD. **Anat Anz** 1984; 155(1–5):223–38 (Eng. Abstr.) (Ger)

[Unfolding of the brain and secondary mandibular joint and face development in mammals: a synergetic and synchronous event] Heine H. **Gegenbaurs Morphol Jahrb** 1983;129(6):699–706 (Eng. Abstr.) (Ger)

EMBRYOLOGY

Embryological study on the articular cavity, especially the articular cavity of the jaw articulation in chick and cat embryos. Kawai S, et al. **Okajimas Folia Anat Jpn** 1983 Dec;60(5):339–63

INJURIES

Dislocation of the temporomandibular joint disk demonstrated by CT. Thompson JR, et al. **AJNR** 1984 Jan-Feb;5(1):115–6

Condylectomies for prolonged bilateral temporomandibular dislocation. Parekh PK, et al. **Arch Orthop Trauma Surg** 1983;102(2):123–5

Anterior dislocation of the temporomandibular disc. Leopard PJ. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):9–17

Transcranial radiographs [letter] **J Am Dent Assoc** 1984 Jul; 109(1):12, 14, 16

The validity of transcranial radiography in diagnosing TMJ anterior disk displacement. Dixon DC, et al. **J Am Dent Assoc** 1984 Apr;108(4):615–8

Temporomandibular joint luxation in a horse. Hurtig MB, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):78–80

Perforations of the temporomandibular joint meniscus: arthrographic, surgical, and clinical findings. Graham GS, et al. **J Oral Maxillofac Surg** 1984 Jan;42(1):35–8

Diagnosis by computed tomography of temporomandibular joint meniscus displacement. Helms CA, et al. **J Prosthet Dent** 1984 Apr;51(4):544–7

Use of TMJ arthrotomography in the diagnosis and treatment of anterior disk dislocation. Zampese DR, et al. **J Prosthet Dent** 1983 Dec;50(6):821–6

Surgical treatment in temporomandibular joint trauma. Hohmann A, et al. **Otolaryngol Clin North Am** 1983 Aug; 16(3):549–73

Two unusual complications related to fibre-optic endoscopy. Case reports. Fayman MS, et al. **S Afr Med J** 1984 Mar 3;65(9):354

[Arthrotomography of the pathological temporomandibular joint. II] Katzberg RW, et al. **ROFO** 1984 Mar; 140(3):317–21 (Eng. Abstr.) (Ger)

[Muscle control of mandibular movement. Complete upper denture case with unilateral TMJ injury] Hayashi T. **Kokubyo Gakkai Zasshi** 1984 Mar;51(1):157–68 (Jpn)

[Experimental microinjury of the articular disc of the temporomandibular joint. Effect of immobilization on the healing process] Izumi Y. **Kokubyo Gakkai Zasshi** 1983 Sep; 50(3):378–417 (Eng. Abstr.) (Jpn)

INNERVATION

A modified auriculotemporal nerve block for regional anesthesia of the temporomandibular joint. Donlon WC, et al. **J Oral Maxillofac Surg** 1984 Aug;42(8):544–5

PATHOLOGY

Radiographic, pathological and operative observations of cases with TMJ disturbance syndrome. Ma XC, et al. **Int J Oral Surg** 1983 Oct;12(5):299–308

[A gouty tophus in the temporomandibular joint and on the eustachian tube] Faas I. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):574–7 (Eng. Abstr.) (Ger)

[Multiple myeloma involving the temporomandibular joint] Hereb I, et al. **Fogorv Sz** 1984 Apr;77(4):105–8 (Eng. Abstr.) (Hun)

PHYSIOLOGY

Effect of age on the adaptive response of the adult temporomandibular joint. A study of induced protrusion in Macaca mulatta. Hinton RJ, et al. **Angle Orthod** 1984 Apr;54(2):154–62

Joint play movements of the temporomandibular joint: clinical considerations. Friedman MH, et al. **Arch Phys Med Rehabil** 1984 Jul;65(7):413–7

The functional matrix concept and its relationship to temporomandibular joint dysfunction and treatment. Moss ML. **Dent Clin North Am** 1983 Jul;27(3):445–55 (37 ref.)

Arthrokinematics of the temporomandibular joint. Rocabado M. **Dent Clin North Am** 1983 Jul;27(3):573–94

Effect of increased posterior displacement of the glenoid fossa on mandibular growth: a methodological study on the rabbit. Kantomaa T. **Eur J Orthod** 1984 Feb;6(1):15–24

A method for in vivo quantitative occlusal strain and stress analysis. Arcan M, et al. **J Biomech** 1984;17(2):67–79

An analysis of temporomandibular joint sounds. Watt DM, et al. **J Dent** 1983 Dec;11(4):346–55

The hinge axis transfer procedure: a three-dimensional error analysis. Schulte JK, et al. **J Prosthet Dent** 1984 Feb; 51(2):247–51

Synovial fluid pressure determination in the temporomandibular joint. Roth TE, et al. **Oral Surg** 1984 Jun;57(6):583–8

Normal variation in skin surface temperature over the temporomandibular joint and masseter muscle. Kopp S, et al. **Scand J Dent Res** 1983 Aug;91(4):308–11

[Pressure load of the temporomandibular joint—an

experimental study] Sonnenburg I, et al. **Anat Anz** 1984; 155(1-5):309-15 (Eng. Abstr.) **(Ger)**

[Enlargement of the occlusal field by grinding] Kleinrok M. **Dtsch Zahnarztl Z** 1983 Aug;38(8):765-9 (Eng. Abstr.) **(Ger)**

[Anterior and posterior guidance of the mandible] Siebert G. **Schweiz Monatsschr Zahnmed** 1984 Mar;94(3):236-47 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Temporomandibular joint dysfunction: a theory based upon electromyographic studies of the lateral pterygoid muscle. Juniper RP. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):1-8

Analysis of jaw movements in patients with temporomandibular joint click. Sigaroudi K, et al. **J Prosthet Dent** 1983 Aug;50(2):245-50

[Coupled opening and closing clicks of the temporomandibular joint (reciprocal clicking)] Jähnig A, et al. **Dtsch Zahnarztl Z** 1984 Mar;39(3):242-9 (Eng. Abstr.) **(Ger)**

[Effect of different forms of osteosynthesis on the temporomandibular joint in the correction of mandibular prognathism] Paulus GW. **Dtsch Zahnarztl Z** 1983 Jul; 38(7):717-21 (Eng. Abstr.) **(Ger)**

[Psychoemotional effect on stomatognathic function--a study of prisoners awaiting trial] Csernay A, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):274-89 (Eng. Abstr.) **(Ger)**

[Use of the shadow moiré method for studying temporomandibular joint dysfunction] Timofeeva-Kol'tsova TP, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):75-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiography of the temporomandibular joint in female patients with TMJ pain or dysfunction. A seven year follow-up. Mejersjö C, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):169-76

Diagnostic accuracy of double-contrast arthrotomography of the temporomandibular joint: correlation with postmortem morphology. Westesson PL, et al. **AJR** 1984 Sep;143(3):655-60

Frontal tomography of articulating temporomandibular joint surfaces. Gusching AC. **Angle Orthod** 1983 Jul;53(3):234-9

Oriented lateral temporomandibular joint laminagraphs. Symptomatic and nonsymptomatic joints compared. Williams BH. **Angle Orthod** 1983 Jul;53(3):228-33

A simplified method for temporomandibular joint arthrography. Doyle T. **Australas Radiol** 1984 Feb; 28(1):12-5

Computerized tomography examination for the detection of positional changes in the temporomandibular joint after ramus osteotomies with screw fixation. Spitzer W, et al. **J Maxillofac Surg** 1984 Jun;12(3):139-42

Conventional radiography compared with arthrography in internal derangements of the temporomandibular joint [letter] Farrar WB, et al. **J Prosthet Dent** 1983 Oct; 50(4):585-6

Consistency of performance of a new craniostat for oblique lateral transcranial radiographs of the temporomandibular joint. Preti G, et al. **J Prosthet Dent** 1984 Aug;52(2):270-4

Practical evaluation of the lateral temporomandibular joint radiograph. Weinberg LA. **J Prosthet Dent** 1984 May; 51(5):676-85

Arthrography of the temporomandibular joint. Westesson PL. **J Prosthet Dent** 1984 Apr;51(4):535-43

Arthrographically guided splint therapy for recapturing the temporomandibular joint meniscus. Manzione JV, et al. **Oral Surg** 1984 Mar;57(3):235-40

Temporomandibular joint internal derangements: CT diagnosis. Helms CA, et al. **Radiology** 1984 Aug; 152(2):459-62

Computed tomography vs. arthrography in the evaluation of the temporomandibular joint [letter] Kaplan PA. **Radiology** 1984 Sep;152(3):825-7

The temporomandibular joint: true sagittal computed tomography with meniscus visualization. Sartoris DJ, et al. **Radiology** 1984 Jan;150(1):250-4

Temporomandibular joints: high-resolution computed tomographic evaluation. Thompson JR, et al. **Radiology** 1984 Jan;150(1):105-10

Radiographic case of the month. Dislocation of the meniscus of the temporomandibular joint. Cohen HR, et al. **RI Med J** 1983 Oct;66(10):409-10

Loose bodies of the temporomandibular joint: arthrographic diagnosis. Anderson QN, et al. **Skeletal Radiol** 1984; 11(1):42-6

[Postoperative radiographic observations on the syndrome of temporomandibular joint dysfunction] Ma XC. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):77-9 **(Chi)**

[Chondromyxoid fibroma of the temporomandibular joint. Apropos of a case report] Seilami M, et al. **J Radiol** 1984 Feb;65(2):97-100 (Eng. Abstr.) **(Fre)**

[Involvement of the temporomandibular joints in psoriatic arthritis. Case report] Schulze P, et al. **Dermatol Monatsschr** 1983;169(9):588-93 (Eng. Abstr.) **(Ger)**

[Arthrotomography of the normal temporomandibular joint. Anatomy, technic and complications. I] Katzberg RW, et al. **ROFO** 1984 Feb;140(2):187-90 (Eng. Abstr.) **(Ger)**

[Arthrography of the functionally disordered temporomandibular joint] Stampfel G, et al. **ROFO** 1984 May;140(5):574-8 (Eng. Abstr.) **(Ger)**

[Diagnostic efficacy of a precision tomographic method for studying the temporomandibular joint] Fava C, et al. **Minerva Stomatol** 1983 Nov-Dec;32(6):897-902 (Eng. Abstr.) **(Ita)**

[Opaque temporomandibular arthrography in the diagnosis of menisco-condylar dysfunction] Palano D, et al. **Minerva Stomatol** 1984 Jan-Feb;33(1):121-6 (Eng. Abstr.) **(Ita)**

[Current status of the radiographic study of the temporomandibular joint] Silla M. **Minerva Stomatol** 1984 Mar-Apr;33(2):377-88 (Eng. Abstr.) **(Ita)**

[Temporomandibular joint study by panoramic tomography] Stepanova IG, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb; 63(1):61-2 (Eng. Abstr.) **(Rus)**

SURGERY

A truly endaural approach to the temporo-mandibular joint. Dias AD. **Br J Plast Surg** 1984 Jan;37(1):65-8

Reconstruction of the zygoma, temporo-mandibular joint and mandible using a compound pectoralis major osteo-muscular flap. Jones NF, et al. **Br J Plast Surg** 1983 Oct;36(4):491-7

Temporomandibular joint surgery: results of a 14-year joint implant study. House LR, et al. **Laryngoscope** 1984 Apr; 94(4):534-8

Temporomandibular joint repositioning and exercise performance: a double-blind study. McArdle WD, et al. **Med Sci Sports Exerc** 1984 Jun;16(3):228-33

Eminectomy and meniscorhaphy for internal derangements of the temporomandibular joint. Rationale and operative technique. Weinberg S. **Oral Surg** 1984 Mar;57(3):241-9

[Functional surgery of the temporomandibular joint] Pepersack W. **Schweiz Rundsch Med Prax** 1984 Apr 17; 73(16):511-5 (Eng. Abstr.) **(Ger)**

TEMPOROMANDIBULAR JOINT DISEASES

COMPLICATIONS

Neglected conditions producing preauricular and referred pain [letter] Feinmann C, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):889-90

Erosive arthritis of the temporomandibular joint in Reiter's syndrome [letter] Bomalaski JS, et al. **J Rheumatol** 1984 Jun;11(3):400-2

[Periarticular angiopathies and tumors as the cause of chronic pain in the temporomandibular joint area] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):405-18 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The temporomandibular joint: the dentist's dilemma. Part 1. Guralnick W. **Br Dent J** 1984 May 5;156(9):315-8

Disorders of the masticatory apparatus. Howe GL. **Br Dent J** 1983 Dec 24;155(12):405-11

Benign conditions of the temporomandibular joint: a diagnostic dilemma. Papavasiliou A, et al. **Br J Oral Surg** 1983 Sep;21(3):222-8

ADA President's Conference sets guidelines for examination, diagnosis and management of TM disorders. **Can Dent Assoc J** 1983 Jul;49(7):480-2

Diagnosis and treatment of internal derangements of the temporomandibular joint. Dolwick MF, et al. **Dent Clin North Am** 1983 Jul;27(3):561-72

Arthroscopy of the temporomandibular joint. Examination of 2 patients with suspected disk derangement. Hellsing G, et al. **Int J Oral Surg** 1984 Feb;13(1):69-74

Temporomandibular arthropathy. Clinical, radiologic, and therapeutic aspects, with emphasis on diagnosis. Rasmussen OC. **Int J Oral Surg** 1983 Dec;12(6):365-97

TMJ + MPD? [letter] Ross JN. **J Am Dent Assoc** 1984 May; 108(5):732

Odontologic concepts [letter] Waisbord de Chudnovsky A. **J Am Dent Assoc** 1983 Nov;107(5):708

Neglected conditions producing preauricular and referred pain. Friedman MH, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1067-72

Complex criticism [letter] Miller TL, et al. **NY State Dent J** 1983 Aug-Sep;49(7):448

Thermography and oral inflammatory conditions. Soffin CB, et al. **Oral Surg** 1983 Sep;56(3):256-62

Dental perspective on face pain. Gibilisco JA. **Postgrad Med** 1984 Aug;76(2):121-4, 126-9, 132

[A case of long-standing limitation in opening the mouth associated with collagenosis with muscular components] Colon JC. **Acta Stomatol Belg** 1983 Dec;80(4):259-62 **(Fre)**

[Diagnosis and therapy of temporomandibular dysfunctions. The experience of the Clinique de Stomatologie et de Chirurgie Maxillo-Faciale de Lyon] Henry B, et al. **Rev Stomatol Chir Maxillofac** 1983;84(6):345-9 (Eng. Abstr.) **(Fre)**

[Rheumatological manifestations in the maxillofacial area] Gerber N. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep; 93 Spec No:873-9 **(Ger)**

[Use of the shadow moiré method for studying temporomandibular joint dysfunction] Timofeeva-Kol'tsova TP, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):75-7 (Eng. Abstr.) **(Rus)**

[Diagnostic and therapeutic problems in temporomandibular arthropathy. Analysis of characteristic material] Durić D, et al. **Med Pregl** 1982;35(11-12):427-30 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Emergency treatment of acute inflammation of the temporomandibular joint. Friedman MH, et al. **J Prosthet Dent** 1983 Dec;50(6):827-9

ETIOLOGY

Temporomandibular joint involvement and dental occlusion in a group of adults with rheumatoid arthritis. Larheim TA, et al. **Acta Odontol Scand** 1983 Oct;41(5):301-9

Malocclusion at adolescence related to self-reported tooth loss and functional disorders in adulthood. Helm S, et al. **Am J Orthod** 1984 May;85(5):393-400

Temporomandibular joint destruction after a burn. Hilbert L, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):214-6

Cranial osteopathy and its role in disorders of the temporomandibular joint. Frymann VM. **Dent Clin North Am** 1983 Jul;27(3):595-611

Management of temporomandibular joint disorders associated with systemic disease. Gibilisco JA. **Dent Clin North Am** 1983 Jul;27(3):457-78

Influence of function on temporomandibular joint remodeling and degenerative disease. Mongini F. **Dent Clin North Am** 1983 Jul;27(3):479-94

Secondary malignant tumour of the temporal bone presenting as jaw joint dysfunction. Worthington P. **J Laryngol Otol** 1983 Dec;97(12):1157-61

[External temporomandibular ankylosis] Lachard J, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):59-62 (Eng. Abstr.) **(Fre)**

[Psychosomatic factors in temporomandibular joint diseases] Graber G. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep; 93 Spec No:880-1 **(Ger)**

[Why do we get temporomandibular joint problems and how are they treated?] Dahl BL. **Nord Med** 1984;99(6-7):184-6 **(Nor)**

[Morphological changes in the temporo-mandibular joint in pathological occlusion. I] Burlui V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):97-102 (Eng. Abstr.) **(Rum)**

MICROBIOLOGY

[Temporomandibular staphylococcal arthritis] Alazia M, et al. **Ann Fr Anesth Reanim** 1983;2(6):415-6 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Epidemiologic survey of functional conditions of the masticatory system in Belgian children aged 3-6 years. de Vis H, et al. **Community Dent Oral Epidemiol** 1984 Jun; 12(3):203-7

PATHOLOGY

Pre-auricular swelling. A report of three cases. Stewart DJ. **Br Dent J** 1984 Jul 21;157(2):66-7

Suppurative arthritis of the temporomandibular joint. Report of a case with special reference to arthroscopic observations. Murakami K, et al. **J Maxillofac Surg** 1984 Feb;12(1):41-5

Synovial cyst of the temporomandibular joint. A case report. Reychler H, et al. **J Maxillofac Surg** 1983 Dec;11(6):284-6

Internal derangement related to osteoarthrosis in temporomandibular joint autopsy specimens. Westesson PL, et al. **Oral Surg** 1984 Jan;57(1):17-22

PHYSIOPATHOLOGY

The temporomandibular joint in ankylosing spondylitis. Correlations between subjective, clinical, and radiographic features in the stomatognathic system and effects of treatment. Wenneberg B, et al. **Acta Odontol Scand** 1984 Jun;42(3):165-73

Functional disturbances of the masticatory system in school children. Ingerslev H. **ASDC J Dent Child** 1983 Nov-Dec; 50(6):445-50

Characterization of temporomandibular joint sounds. A preliminary investigation with arthrographic correlation. Oster C, et al. **Oral Surg** 1984 Jul;58(1):10-6

Response of elevator activity during mastication to treatment of functional disorders. Möller E, et al. **Scand J Dent Res** 1984 Feb;92(1):64-83

PSYCHOLOGY

[Personality profile and personality development of patients with functional disorders of the masticatory system] Fallschüssel GK. **Dtsch Zahnarztl Z** 1983 Jul;38(7):670-4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiography of the temporomandibular joint in female patients with TMJ pain or dysfunction. A seven year follow-up. Mejersjö C, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):169-76

Pigmented villonodular synovitis of the temporomandibular

joint. Curtin HD, et al. **Comput Radiol** 1983 Jul-Aug; 7(4):257-60

Radiology of the temporomandibular joint. Berrett A. **Dent Clin North Am** 1983 Jul;27(3):527-40

Practical evaluation of the lateral temporomandibular joint radiograph. Weinberg LA. **J Prosthet Dent** 1984 May; 51(5):676-85

Internal derangements of the temporomandibular joint: diagnosis by direct sagittal computed tomography. Manzione JV, et al. **Radiology** 1984 Jan;150(1):111-5

[Arthrography of the functionally disordered temporomandibular joint] Stampfel G, et al. **ROFO** 1984 May;140(5):574-8 (Eng. Abstr.) **(Ger)**

[Diagnostic efficacy of a precision tomographic method for studying the temporomandibular joint] Fava C, et al. **Minerva Stomatol** 1983 Nov-Dec;32(6):897-902 (Eng. Abstr.) **(Ita)**

[X-ray study in secondary osteoarthrosis deformans of the temporomandibular joints in children] Bogdashevskaia VG, et al. **Stomatologiia (Mosk)** 1983 Nov-Dec;62(6):27-9 (Eng. Abstr.) **(Rus)**

SURGERY

The temporomandibular joint: the dentist's dilemma. Part 2. Guralnick W. **Br Dent J** 1984 May 19;156(10):353-5

The Church of High Condylectomy [letter] Darrow DH. **J Am Dent Assoc** 1983 Aug;107(2):140, 142

Concerns and conflicts over disc surgery [letter] Dolwick MF. **J Oral Maxillofac Surg** 1984 Jan;42(1):1

Repair of the adult temporomandibular joint meniscus with an autogenous dermal graft. Zetz MR, et al. **J Oral Maxillofac Surg** 1984 Mar;42(3):167-71

Pigmented villonodular synovitis of the temporomandibular joint. O'Sullivan TJ, et al. **J Otolaryngol** 1984 Apr; 13(2):123-6

Temporomandibular joint surgery: results of a 14-year joint implant study. House LR, et al. **Laryngoscope** 1984 Apr; 94(4):534-8

Temporomandibular joint surgery: a review of fifty-one operations. Marciani RD, et al. **Oral Surg** 1983 Nov; 56(5):472-6

[Comparative analysis of the results of different operative methods in treating 35 cases of ankylosis of the temporomandibular joint] Zhang JS. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):100-2 **(Chi)**

[One-stage surgical treatment of temporo-mandibular ankylosis and its facial deformity] Lachard J, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):41-5 (Eng. Abstr.) **(Fre)**

[Use of laser therapy in nonspecific inflammatory processes of the temporomandibular joint] Kats AG, et al. **Stomatologiia (Mosk)** 1983 Sep-Oct;62(5):42-5 (Eng. Abstr.) **(Rus)**

THERAPY

Occlusal splints [letter] Moloney FB. **Aust Dent J** 1983 Aug; 28(4):249

The use of physiotherapy in the treatment of temporomandibular disorders. Hargreaves AS, et al. **Br Dent J** 1983 Aug 20;155(4):121-4

Conservative management of degenerative temporomandibular joint disease in the elderly. Poswillo D. **Int Dent J** 1983 Dec;33(4):325-31

A critical evaluation of orthopedic interocclusal appliance therapy: design, theory, and overall effectiveness. Clark GT. **J Am Dent Assoc** 1984 Mar;108(3):359-64 (72 ref.)

A critical evaluation of orthopedic interocclusal appliance therapy: effectiveness for specific symptoms. Clark GT. **J Am Dent Assoc** 1984 Mar;108(3):364-8 (43 ref.)

Evaluation of occlusal splint therapy and relaxation procedures in patients with temporomandibular disorders. Okeson JP, et al. **J Am Dent Assoc** 1983 Sep;107(3):420-4

Emergency treatment of acute inflammation of the temporomandibular joint [letter] Farrar WB. **J Prosthet Dent** 1984 May;51(5):725-6

Predictors of treatment outcome in patients with myofascial pain-dysfunction syndrome and organic temporomandibular joint disorders. Lipton JA, et al. **J Prosthet Dent** 1984 Mar;51(3):387-93

Use of a fulcrum in temporomandibular joint dislocations. Patton TJ. **Laryngoscope** 1983 Dec;93(12):1614-5

Long-term development after treatment of mandibular dysfunction and osteoarthrosis. A clinical-radiographic follow-up and an animal experimental study. Mejersjö C. **Swed Dent J [Suppl]** 1984;22:1-58

Inflammatory involvement of the temporomandibular joint. Diagnostic and therapeutic aspects and a study of individuals with ankylosing spondylitis. Wenneberg B. **Swed Dent J [Suppl]** 1983;20:1-54

[New mobilization apparatus for the postoperative treatment of fibrous ankylosis of the TMJ (temporomandibular joint)] Gennari PU, et al. **Minerva Stomatol** 1984 May-Jun; 33(3):521-5 (Eng. Abstr.) **(Ita)**

[Conservative treatment of temporomandibular joint lesions in children with rheumatoid arthritis] Drecka-Kuzan K, et al. **Reumatologia** 1982;20(3-4):173-82 (Eng. Abstr.) **(Pol)**

[Morphological changes in the temporomandibular joint in pathological occlusion. II.] Burlui V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr-Jun;87(2):261-4 (Eng. Abstr.) **(Rum)**

[Principles of stomatoprosthetic therapy in decreased occlusion] Blagojević D. **Med Pregl** 1982;35(11-12):459-61 (Eng. Abstr.) **(Scr)**

TEMPOROMANDIBULAR JOINT SYNDROME

COMPLICATIONS

Relationships between oral parafunctions and functional disturbances in the stomatognathic system among 15- to 18-year-olds. Nilner M. **Acta Odontol Scand** 1983 Aug; 41(4):197-201

Otolaryngologic manifestations of craniomandibular disorders. Arlen H. **Dent Clin North Am** 1983 Jul; 27(3):523-6

Temporomandibular joint pain-dysfunction syndrome: a rare cause of headaches in adolescents. Holmes GL, et al. **Dev Med Child Neurol** 1983 Oct;25(5):601-5 (22 ref.)

The disco-malleolar ligament: a possible cause of subjective hearing loss in patients with temporomandibular joint dysfunction. Ioannides CA, et al. **J Maxillofac Surg** 1983 Oct;11(5):227-31

[Headache and abnormalities of dental articulation] Buffle P, et al. **Schweiz Rundsch Med Prax** 1984 Feb 14; 73(7):181-2 **(Fre)**

DIAGNOSIS

The temporomandibular joint: the dentist's dilemma. Part 1. Guralnick W. **Br Dent J** 1984 May 5;156(9):315-8

Comparison of three different populations with temporomandibular joint pain-dysfunction syndrome. Gelb H, et al. **Dent Clin North Am** 1983 Jul;27(3):495-503

MPD syndrome [letter] Bobier GD. **J Am Dent Assoc** 1984 Feb;108(2):156

TMJ + MPD? [letter] Ross JN. **J Am Dent Assoc** 1984 May; 108(5):732

Serum creatine kinase studies in mandibular pain dysfunction. Cox PJ, et al. **J Oral Rehabil** 1984 Jan;11(1):45-52

Temporomandibular joint disfunction syndrome and myofascial pain dysfunction syndrome: a critical review. Moss RA, et al. **J Oral Rehabil** 1984 Jan;11(1):3-28 (128 ref.)

The prevalence of mandibular dysfunction. Part II: A multiphasic dysfunction profile. Rieder CE, et al. **J Prosthet Dent** 1983 Aug;50(2):237-44

Myofacial pain dysfunction syndrome: a clinical study of asymptomatic subjects. Cooper BC, et al. **Laryngoscope** 1984 Jan;94(1):68-75

Prefabricated diagnostic occlusal devices for temporomandibular joint dysfunction. Principato JJ. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):461-5

[Temporomandibular joint pain-dysfunction syndrome: myths and realities] Rozencweig D. **Rev Odontostomatol (Paris)** 1983 Jul-Aug;12(4):269-76 **(Fre)**

[Electromyography in the diagnosis of temporomandibular joint dysfunction syndromes] Modla Z, et al. **Fogorv Sz** 1984 Jun;77(6):174-8 (Eng. Abstr.) **(Hun)**

[False diagnoses of patients with the temporomandibular joint pain dysfunction syndrome] Caldas FM, et al. **Rev Port Estomatol Cir Maxilofac** 1982 Apr-Jun; 23(2):215-40 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Psychogenic facial pain: presentation and treatment. Feinmann C, et al. **Br Med J [Clin Res]** 1984 Feb 11; 288(6415):436-8

ETIOLOGY

Signs and symptoms of mandibular dysfunction after introduction of experimental balancing-side interferences. Magnusson T, et al. **Acta Odontol Scand** 1984 Jun; 42(3):129-35

Temporomandibular joint involvement in systemic lupus erythematosus. Jonsson R, et al. **Arthritis Rheum** 1983 Dec; 26(12):1506-10

Herpes simplex virus and acute temporomandibular joint pain-dysfunction syndrome. Adour KK, et al. **Dent Clin North Am** 1983 Jul;27(3):631-8

The importance of the relationship between malocclusion and mandibular dysfunction and some clinical applications in adults. Mohlin B, et al. **Eur J Orthod** 1984 Aug; 6(3):192-204

Major maxillomandibular malrelations and temporomandibular joint pain-dysfunction. Upton LG, et al. **J Prosthet Dent** 1984 May;51(5):686-90

[New etiopathogenic and therapeutic approach to temporo-maxillary dysfunction] Reychler H, et al. **Acta Stomatol Belg** 1984 Jun;81(1):63-73 **(Fre)**

[Management of myoarthropathy caused by the absence of a supporting area] Sallay K. **Fogorv Sz** 1984 Mar;77(3):76-8 (Eng. Abstr.) **(Hun)**

OCCURRENCE

Flying personnel and occlusal/mandibular dysfunction. Jacobus BB. **Aviat Space Environ Med** 1984 Feb;55(2):141-2

A prevalence study of the clinical signs associated with mandibular dysfunction. Gross A, et al. **J Am Dent Assoc** 1983 Dec;107(6):932-6

Stomatognathic dysfunction in the western desert of Egypt: an epidemiological survey. Abdel-Hakim AM. **J Oral Rehabil** 1983 Nov;10(6):461-8

Prevalence of mandibular dysfunction in 10-18 year old Israeli schoolchildren. Gazit E, et al. **J Oral Rehabil** 1984 Jul;11(4):307-17

Incidence of mandibular dysfunction symptoms in individuals who remove their complete dentures during sleep. Hansen CA, et al. **J Prosthet Dent** 1984 Jan;51(1):16-8

PATHOLOGY

Radiographic, pathological and operative observations of cases with TMJ disturbance syndrome. Ma XC, et al. **Int J Oral Surg** 1983 Oct;12(5):299-308

MPD syndrome [letter] **J Am Dent Assoc** 1983 Oct; 107(4):548, 550

A new definition [letter] Morgan DH. **J Am Dent Assoc** 1983 Dec;107(6):906

TMJ pain and dysfunction: relation between clinical and radiographic findings in the short and long-term. Mejersjö C, et al. **Scand J Dent Res** 1984 Jun;92(3):241-8

PHYSIOPATHOLOGY

Disturbance of functional occlusion syndrome. Newbury RD. **Aust Fam Physician** 1984 Jan;13(1):31-5

Temporomandibular joint dysfunction: a theory based upon electromyographic studies of the lateral pterygoid muscle. Juniper RP. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):1-8

An electromyographic study in patients with myofacial pain-dysfunction syndrome. Pantaleo T, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):167-79

Applied kinesiology in dysfunction of the temporomandibular joint. Goodheart G. **Dent Clin North Am** 1983 Jul; 27(3):613-30 (12 ref.)

The functional matrix concept and its relationship to temporomandibular joint dysfunction and treatment. Moss ML. **Dent Clin North Am** 1983 Jul;27(3):445-55 (37 ref.)

The role of craniomandibular dysfunction in orthodontic diagnosis and treatment planning. Williamson EH. **Dent Clin North Am** 1983 Jul;27(3):541-60 (34 ref.)

Clicking and grinding [letter] **J Am Dent Assoc** 1984 May; 108(5):730, 732

The effect of sustained submaximal clenching on maximum bite force in myofascial pain dysfunction patients. Clark GT, et al. **J Oral Rehabil** 1984 Jul;11(4):387-91

Interdental thickness discrimination in myofascial pain dysfunction subjects. Clark GT, et al. **J Oral Rehabil** 1984 Jul;11(4):381-6

Physiological reactions to stress in subjects with and without myofascial pain dysfunction symptoms. Moss RA, et al. **J Oral Rehabil** 1984 May;11(3):219-32

Definitive prosthodontic therapy for TMJ patients. Part II: Posterior and superior condylar displacement. Weinberg LA. **J Prosthet Dent** 1983 Nov;50(5):690-9

Internal derangements of the temporomandibular joint: description of clinical syndromes. Schwartz HC, et al. **Oral Surg** 1984 Jul;58(1):24-9

PSYCHOLOGY

Role of recent stressful life events experience in the onset of TMJ dysfunction pain. Speculand B, et al. **Community Dent Oral Epidemiol** 1984 Jun;12(3):197-202

A review of psychological explanations for myofascial pain dysfunction syndrome. Warman E, et al. **J Oral Med** 1983 Jul-Sep;38(3):109-12 (33 ref.)

The assessment of personality, anxiety and depression in mandibular pain dysfunction subjects. Moss RA, et al. **J Oral Rehabil** 1984 May;11(3):233-5

Is the temporo-mandibular pain and dysfunction syndrome a disorder of the mind? Salter M, et al. **Pain** 1983 Oct; 17(2):151-66

Temporo-mandibular joint dysfunction: pain and illness behaviour. Speculand B, et al. **Pain** 1983 Oct;17(2):139-50

RADIOGRAPHY

Oriented lateral temporomandibular joint laminagraphs. Symptomatic and nonsymptomatic joints compared. Williams BH. **Angle Orthod** 1983 Jul;53(3):228-33

Conventional radiography compared with arthrography in internal derangements of the temporomandibular joint [letter] Farrar WB, et al. **J Prosthet Dent** 1983 Oct; 50(4):585-6

Loose bodies of the temporomandibular joint: arthrographic diagnosis. Anderson QN, et al. **Skeletal Radiol** 1984; 11(1):42-6

[Opaque temporomandibular arthrography in the diagnosis of menisco-condylar dysfunction] Palano D, et al. **Minerva Stomatol** 1984 Jan-Feb;33(1):121-6 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Bone reaction in temporomandibular joint dysfunction. An investigation with bone scintigraphy and gamma imaging. Kirveskari P, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(2):161-4

Internal derangement of the temporomandibular joint: detection by single-photon emission computed tomography. Work in progress. Collier BD, et al.

Radiology 1983 Nov;149(2):557–61

REHABILITATION

Physical therapy treatment results for 178 patients with temporomandibular joint syndrome. Hall LJ. **Am J Otol** 1984 Jan;5(3):183–96 (119 ref.)

SURGERY

Eminectomy and meniscorhaphy for internal derangements of the temporomandibular joint. Rationale and operative technique. Weinberg S. **Oral Surg** 1984 Mar;57(3):241–9

[Postoperative radiographic observations on the syndrome of temporomandibular joint dysfunction] Ma XC. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):77–9 **(Chi)**

THERAPY

TMJ dysfunction [editorial] Shapiro E. **Am J Orthod** 1983 Dec;84(6):521–2

Effect of occlusal treatment on sick leaves in TMJ dysfunction patients with head and neck symptoms. Kirveskari P, et al. **Community Dent Oral Epidemiol** 1984 Apr;12(2):78–81

Long–term evaluation of treatment for myofascial pain–dysfunction syndrome: a comparative analysis. Greene CS, et al. **J Am Dent Assoc** 1983 Aug;107(2):235–8

The treatment of temporomandibular joint syndrome through control of anxiety. Stam HJ, et al. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):41–5

The mandibular pain dysfunction syndrome: an assessment of its treatment. Geissler PR. **J Dent** 1983 Dec;11(4):341–5

Treatment of mandibular dysfunction: the clinical usefulness of biofeedback in relation to splint therapy. Dahlström L, et al. **J Oral Rehabil** 1984 May;11(3):277–84

Analysis of factors influencing the long–term effect of treatment of TMJ–pain dysfunction. Mejersjö C, et al. **J Oral Rehabil** 1984 May;11(3):289–97

Three year follow–up TMJ patients: success rates and silent periods. Strychalski ID, et al. **J Oral Rehabil** 1984 Jan; 11(1):71–8

Alleviation of myofascial pain with ultrasonic therapy. Esposito CJ, et al. **J Prosthet Dent** 1984 Jan;51(1):106–8

Physical therapy as an adjunct to temporomandibular joint therapy [letter] Friedman MH, et al. **J Prosthet Dent** 1983 Sep;50(3):442

Predictors of treatment outcome in patients with myofascial pain–dysfunction syndrome and organic temporomandibular joint disorders. Lipton JA, et al. **J Prosthet Dent** 1984 Mar;51(3):387–93

Influence of the vertical dimension in the treatment of myofascial pain–dysfunction syndrome. Manns A, et al. **J Prosthet Dent** 1983 Nov;50(5):700–9

An approach to the management of temporomandibular joint pain–dysfunction syndrome. Reade PC. **J Prosthet Dent** 1984 Jan;51(1):91–6

Alleviation of myofascial pain with ultrasonic therapy [letter] Walmsley AD. **J Prosthet Dent** 1984 Aug;52(2):312

Definitive prosthodontic therapy for TMJ patients. Part I: Anterior and posterior condylar displacement. Weinberg LA. **J Prosthet Dent** 1983 Oct;50(4):544–57

Arthrographically guided splint therapy for recapturing the temporomandibular joint meniscus. Manzione JV, et al. **Oral Surg** 1984 Mar;57(3):235–40

Long–term development after treatment of mandibular dysfunction and osteoarthrosis. A clinical–radiographic follow–up and an animal experimental study. Mejersjö C. **Swed Dent J [Suppl]** 1984;22:1–58

[The possibility of the use of electronic analgesia in the management of facial pain] Gáspár L, et al. **Fogorv Sz** 1983 Aug;76(8):248–51 (Eng. Abstr.) **(Hun)**

[Morphological changes in the temporomandibular joint in pathological occlusion. II.] Burlui V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):261–4 (Eng. Abstr.) **(Rum)**

[Physical methods of treating temporomandibular joint dysfunction] Kalamkarov KhA, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):70–3 **(Rus)**

TENDINITIS

[Enthesopathies] Borrachero del Campo J. **An R Acad Nac Med (Madr)** 1983;100(4):607–34 **(Spa)**

COMPLICATIONS

Acute calcific retropharyngeal tendinitis: an unusual cause of neck pain. Sarkozi J, et al. **Arthritis Rheum** 1984 Jun; 27(6):708–10

Osteopetrosis with calcifying tendinitis. Quinn SF, et al. **South Med J** 1984 Mar;77(3):400–1

DIAGNOSIS

Acute calcific tendinitis of the hand: an infrequently recognized and frequently misdiagnosed form of periarthritis. Selby CL. **Arthritis Rheum** 1984 Mar; 27(3):337–40

[Clinico–roentgenologic and morphologic characteristics of tendinosis in the region of the greater trochanter of the femur] Zharkov PL, et al. **Revmatologiia (Moskva)** 1983 Apr–Jun;(2):52–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A multicenter, double–blind comparison of oxaprozin, phenylbutazone, and placebo therapy in patients with tendinitis and bursitis. **Clin Ther** 1983;6(1):79–85

Fentiazac in the treatment of osteoarthritis and tendinitis. Famaey JP, et al. **Curr Med Res Opin** 1983;8(9):675–81

[Treatment of rheumatic diseases of soft tissues with Mobilisin Gel. Results of a double–blind study] Hohmeister R. **Fortschr Med** 1983 Sep 15;101(35):1586–8 **(Ger)**

[Treatment of palmar and tendon sheath infections following aponeurectomy with gentamycin PMMA minichains] Asche G. **Handchir Mikrochir Plast Chir** 1984 Jun; 16(2):93–6 (Eng. Abstr.) **(Ger)**

[Considerations on the use of piroxicam in patients with pathology caused by strain] Capitani D, et al. **Clin Ter** 1984 Apr 30;109(2):149–53 (Eng. Abstr.) **(Ita)**

[Use of hydrocortisone injections in ambulatory practice in various diseases of the musculoskeletal system] Gudushauri ON, et al. **Ortop Travmatol Protez** 1983 Oct;(10):56 **(Rus)**

ETIOLOGY

Achilles tendinitis and peritendinitis: etiology and treatment. Clement DB, et al. **Am J Sports Med** 1984 May–Jun; 12(3):179–84

Pac–Man tendinitis [letter] Rosner F. **Ann Intern Med** 1983 Oct;99(4):571

The Haglund painful heel syndrome. Experimental investigation of cause and therapeutic implications. Heneghan MA, et al. **Clin Orthop** 1984 Jul–Aug; (187):228–34

Invasive retrocalcaneal bursitis: a report of three cases. Ippolito E, et al. **Foot Ankle** 1984 Jan–Feb;4(4):204–8

Peroneus longus tendinitis: a possible biomechanical etiology. Jackson MA, et al. **J Foot Surg** 1982 Winter;21(4):344–8

[Diagnosis of calcification of the patellar tendon. Echo–radiographic comparison] Fornage B, et al. **J Radiol** 1984 May;65(5):355–9 (Eng. Abstr.) **(Fre)**

[Enthesopathies in ankylosing spondylitis and seronegative inflammatory rheumatism. 28 cases] Paolaggi JB, et al. **Presse Med** 1983 Oct 15;12(36):2229–32 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

HLA specificities and calcifying tendinitis (CT) of the shoulder [letter] McKendry RJ, et al. **J Rheumatol** 1983 Dec;10(6):1006

PATHOLOGY

[Rare localizations of calcifying tendopathies] Nidecker A, et al. **ROFO** 1983 Dec;139(6):658–62 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Calcific tendinitis of the longus colli muscle. Kaplan MJ, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):215–9

Peritendinitis calcarea of flexor carpi ulnaris. Colavita N, et al. **Diagn Imaging** 1983;52(5):284–6

Calcifications simulating peroneus longus tendinitis. de Carvalho A, et al. **Skeletal Radiol** 1984;12(1):37–9

SURGERY

Lesions of the long head [letter] Kumar VP. **Clin Orthop** 1984 Jan–Feb;(182):311–2

THERAPY

Pulsed electromagnetic field therapy of persistent rotator cuff tendinitis. A double–blind controlled assessment. Binder A, et al. **Lancet** 1984 Mar 31;1(8379):695–8

. . .And for rotator cuff tendinitis [letter] Lunt MJ, et al. **Lancet** 1984 Jun 9;1(8389):1295

Bursitis and tendinitis in the hand, wrist, and elbow. An approach to treatment. Cooney WP 3d. **Minn Med** 1983 Aug;66(8):491–4

[Tendinitis of the greater trochanter and its treatment with decimeter–band waves and sine–modulated currents] Zharkov PL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):41–4 (Eng. Abstr.) **(Rus)**

VETERINARY

A study of the effects of lasering on chronic bowed tendons at Wheatley Hall Farm Limited, Canada, January, 1983. McKibbin LS, et al. **Lasers Surg Med** 1983;3(1):55–9

Studies on the pathogenesis of equine tendonitis following collagenase injury. Williams IF, et al. **Res Vet Sci** 1984 May;36(3):326–38

TENDON INJURIES

The spectrum of lower leg injuries in skiing. Trevino SG, et al. **Clin Sports Med** 1982 Jul;1(2):263–76

Ruptures and lacerations of the tibialis posterior tendon. Mueller TJ. **J Am Podiatry Assoc** 1984 Mar;74(3):109–19

[Bilateral simultaneous spontaneous and subcutaneous rupture of the quadriceps tendons] Geisl H. **Aktuel Traumatol** 1983 Oct;13(5):201–4 (Eng. Abstr.) **(Ger)**

[Rupture of the distal biceps tendon. Etiology—management—results] Wolf JD, et al. **Unfallheilkunde** 1983 Sep;86(9):388–91 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Simultaneous bilateral rupture of the quadriceps tendon and leg fractures in a weightlifter. A case report. Grenier R, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):451–3

Rupture of the triceps tendon with olecranon bursitis. A case report with a new method of repair. Clayton ML, et al. **Clin Orthop** 1984 Apr;(184):183–5

Closed avulsion of the flexor digitorum superficialis origin causing compartment syndrome. A case report. Gainor BJ. **J Bone Joint Surg [Am]** 1984 Mar;66(3):467

Dorsal carpal dislocation and flexor tendon rupture in rheumatoid arthritis: a case report. Craig EV, et al. **J Hand Surg [Am]** 1984 Mar;9(2):261–4

DIAGNOSIS

Legs. Hardison JE. **Arch Intern Med** 1983 May;143(5):1014

Tendon injuries about the ankle. Scheller AD, et al. **Clin Sports Med** 1983 Nov;2(3):631–41

ACute muscle and tendon injuries in athletes. Zarins B, et al. **Clin Sports Med** 1983 Mar;2(1):167–82

Tears of the quadriceps tendon in elderly patients. Salai M, et al. **J Am Geriatr Soc** 1984 Mar;32(3):243–4

Bilateral simultaneous spontaneous rupture of the quadriceps tendons. Five case reports and a review of the literature. MacEachern AG, et al. **J Bone Joint Surg [Br]** 1984 Jan; 66(1):81–3

Real time sonography to diagnose soft–tissue sports injuries [letter] Laine H, et al. **Lancet** 1984 Jan 7;1(8367):55

[Injuries of tendons and menisci in the e[illegible]ert testimony of statutory accident insurance] Ludolph E, et al. **Aktuel Traumatol** 1983 Oct;13(5):210–3 (Eng. Abstr.) **(Ger)**

[Expert opinion after tendon ruptures] Müller KH, et al. **Chirurg** 1984 Jan;55(1):11–8 **(Ger)**

[Traumatic rupture of the distal tendon of the adductor longus muscle of the thigh. Description of a clinical case] Falcone G, et al. **Arch Putti Chir Organi Mov** 1983;33:455–9 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Iontophoresis to aid in releasing tendon adhesions. Suggestion from the field. Langley PL. **Phys Ther** 1984 Sep;64(9):1395

ETIOLOGY

Complications in the intralesional injection of triamcinolone acetonide by jet injector (Dermojet). Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):456–7

Boutonnière–type deformity of the knee following patellectomy and manipulations. A case report. Noble HB, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):137–8

Sequential rupture of extensor tendons after a Colles fracture. Sadr B. **J Hand Surg [Am]** 1984 Jan;9A(1):144–5

Closed rupture of flexor pollicis longus tendon associated with treatment of Bennett's fracture. Rae PS, et al. **J Hand Surg [Br]** 1984 Jun;9(2):129–30

Median nerve compression, with tendon ruptures, after Colles' fracture. Wong FY, et al. **J Hand Surg [Br]** 1984 Jun;9(2):139–41

Unusual complication of Kirschner–wire–fixation of carpo–metacarpal joint of the thumb. Izhar–Ul–Haque. **Med J Zambia** 1982;16(4):73–5

[Rupture of the distal biceps tendon. Etiology—management—results] Wolf JD, et al. **Unfallheilkunde** 1983 Sep;86(9):388–91 (Eng. Abstr.) **(Ger)**

METABOLISM

Polarization and electron microscopic studies on the collagen of intact and ruptured human tendons. Józsa L, et al. **Acta Histochem (Jena)** 1984;74(2):209–15

PATHOLOGY

Ruptures of the supraspinatus tendon. Cadaver dissection. Petersson CJ. **Acta Orthop Scand** 1984 Feb;55(1):52–6

Histochemical correlates of hamstring injuries. Garrett WE Jr, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):98–103

Digital avulsion injuries: the shish kebab effect of the fibrous flexor sheath. Milroy BC, et al. **Aust NZ J Surg** 1984 Feb; 54(1):67–71

PHYSIOPATHOLOGY

Histologic evidence of intrinsic flexor tendon repair in various experimental animals. An in vitro study. Manske PR, et al. **Clin Orthop** 1984 Jan–Feb;(182):297–304

Intrinsic flexor–tendon repair. A morphological study in vitro. Manske PR, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):385–96

Anatomy of flexor pollicis longus vinculum system. Armenta E, et al. **J Hand Surg [Am]** 1984 Mar;9(2):210–2

Sparing effect of tendon injury on osteoarthritis. Thirupathi RG, et al. **J Hand Surg [Am]** 1984 Jul;9(4):592–4

Biochemical evidence of flexor tendon participation in the repair process—an in vitro study. Manske PR, et al. **J Hand Surg [Br]** 1984 Jun;9(2):117–20

RADIOGRAPHY

The diagnostic value of arthrography and plain radiography in rotator cuff tears. Ahovuo J, et al. **Acta Orthop Scand** 1984 Apr;55(2):220–3

Computerized tomography in the evaluation of peroneal tendon dislocation. A report of two cases. Szczukowski M Jr, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):444–7

Case report 271. Posterior migration of the os peroneum of the left foot, indicating a tear of the peroneal tendon. Tehranzadeh J, et al. **Skeletal Radiol** 1984;12(1):44–7

REHABILITATION

Splint modification for flexor tendon repairs. Lopez MS, et al. **Am J Occup Ther** 1984 Jun;38(6):398–403

SURGERY

Transposition of flexor tendons on the hand. Jakubik J. **Acta Chir Plast (Prague)** 1984;26(1):60–3

Triceps tendon avulsion in a professional body builder. A case report. Sherman OH, et al. **Am J Sports Med** 1984 Jul–Aug;12(4):328–9

Fixation of the medial canthal structures: evolution of the best method. Callahan A, et al. **Ann Plast Surg** 1983 Sep; 11(3):242–5

Early mobilization of repaired flexor tendons within digital sheath using an internal profundus splint: experimental and clinical data. Hester TR Jr, et al. **Ann Plast Surg** 1984 Feb; 12(2):187–98

Tendon lacerations in the foot. Floyd DW, et al. **Foot Ankle** 1983 Jul–Aug;4(1):8–14

Experimental study on repair of lacerated tendons. Hori S. **Hiroshima J Med Sci** 1983 Dec;32(4):417–32

Results of a second attempt at surgical repair of a failed initial rotator-cuff repair. DeOrio JK, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):563–7

Rotator cuff tears associated with os acromiale. Mudge MK, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):427–9

Mallet thumb. Din KM, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):606–7

The treatment of recurrent dislocation of the peroneal tendons. Pöll RG, et al. **J Bone Joint Surg [Br]** 1984 Jan; 66(1):98–100

The long-term results of Watson-Jones tenodesis. van der Rijt AJ, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):371–5

Utilization of a silastic sheet in tendon repair of the foot. Holtz M, et al. **J Foot Surg** 1982 Winter;21(4):253–9

Posterior tibial tendon rupture in a world class runner. Simpson RR, et al. **J Foot Surg** 1983 Spring;22(1):74–7

Split peroneus brevis transfer: nonosseous ankle stabilization procedure. Wilson MK, et al. **J Foot Surg** 1982 Winter; 21(4):324–9

Staged flexor tendon reconstruction. Hunter JM. **J Hand Surg** 1983 Sep;8(5 Pt 2):789–93

Report of the Committee on Tendon Injuries (International Federation of Societies for Surgery of the Hand). Kleinert HE, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):794–8

Clinical use of refrigerated flexor tendon allografts to replace a silicone rubber rod. Liu TK. **J Hand Surg** 1983 Nov; 8(6):881–7

Flexor superficialis tendon transfers to the thumb—an alternative to the free tendon graft for treatment of chronic injuries within the digital sheath. Posner MA. **J Hand Surg** 1983 Nov;8(6):876–81

Flexor tendon repair in no-man's-land: results of primary repair with controlled mobilization. Ejeskär A. **J Hand Surg [Am]** 1984 Mar;9(2):171–7

A permanent tendon-to-bone suture technique in the distal phalanx. Vercimak MP, et al. **J Hand Surg [Am]** 1984 Jan; 9A(1):146–7

Flexor tendon grafts in the fingers. Künzle AL, et al. **J Hand Surg [Br]** 1984 Jun;9(2):126–8

'Rugby finger'—avulsion of profundus of ring finger. Lunn PG, et al. **J Hand Surg [Br]** 1984 Feb;9(1):69–71

Spontaneous rupture of both flexor tendons in a single digit. Matthews RN, et al. **J Hand Surg [Br]** 1984 Jun;9(2):134–6

Management of acute flexor tendon injuries. Strickland JW. **Orthop Clin North Am** 1983 Oct;14(4):827–49 (97 ref.)

[Bilateral rupture of the tendon of the quadriceps femoris muscle] Dulpekt R, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):76–9 (Eng. Abstr.) (Cze)

[2-stage flexor tendon transplantation—surgical technic—histology—results] Belusa M, et al. **Beitr Orthop Traumatol** 1984 Feb;31(2):89–94 (Eng. Abstr.) (Ger)

[Muscle and tendon ruptures in the upper limbs] Gay B. **Chirurg** 1984 Jan;55(1):1–6 (Ger)

[Tendon injuries in the lower limb] Rüter A. **Chirurg** 1984 Jan;55(1):7–10 (Ger)

[Long-term results of 2-stage flexor tendon grafting] Madee W, et al. **Handchir Mikrochir Plast Chir** 1983 Dec; 15(4):245–9 (Eng. Abstr.) (Ger)

[Rupture of the biceps tendon with special reference to the key-hole operation] Dederich R. **Unfallheilkunde** 1984 Jan; 87(1):13–9 (Eng. Abstr.) (Ger)

[The problem of immobilization following tenosuture—an experimental study] Minta P. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(6):357–64 (Eng. Abstr.) (Ger)

[Reconstruction technics for ruptured rotator cuff] Refior HJ, et al. **Z Orthop** 1984 Jan–Feb;122(1):27–30 (Eng. Abstr.) (Ger)

[Treatment of fresh extensor tendon injuries of the hand] Pechlaner S, et al. **ZFA (Stuttgart)** 1983 Nov 10; 59(31):1734–8 (Ger)

[Restoration of the function of a tenotomized muscle after tendon suture. II. Observations in man] Józsa L. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(4):265–70 (Eng. Abstr.) (Hun)

[Partial rupture of the patellar tendon] Mykkelbost A, et al. **Tidsskr Nor Laegeforen** 1983 Nov 30;103(33):2248–9 (Eng. Abstr.) (Nor)

[Surgical treatment of neglected injuries of the digital flexor tendons of the hand in the synovial canal zone] Krasnov AF, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):50–4 (Eng. Abstr.) (Rus)

[Primary and delayed primary suture of the flexor tendons of the fingers] Kuz'menko VV, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):54–8 (Eng. Abstr.) (Rus)

[Microsurgical technic and methodology for providing for movement in primary suture of the tendons of the deep flexors of the fingers in the 'no man's land' of the hand] Belousov AE, et al. **Ortop Travmatol Protez** 1983 Sep; (9):34–7 (Eng. Abstr.) (Rus)

[Autoplasty of the tendons of the flexors of the fingers at remote periods after injury] Shugarov NA, et al. **Ortop Travmatol Protez** 1983 Sep;(9):37–40 (Eng. Abstr.) (Rus)

[Surgical tactics in injuries of the finger flexor tendons] Kuz'menko VV, et al. **Sov Med** 1983;(7):102–3 (Rus)

[Fractures of the patella and injuries of the extension system of the knee joint] Efimov VN. **Vestn Khir** 1983 Dec; 131(12):65–6 (Rus)

[A method of plastic surgery of the finger flexor tendons] Khasiev BG. **Vestn Khir** 1983 Jul;131(7):119–22 (Eng. Abstr.) (Rus)

[Injuries of the flexor tendons in the vagina fibrosa digiti] Margić K, et al. **Acta Chir Iugosl** 1984;31(1):53–61 (Eng. Abstr.) (Ser)

THERAPY

Spoon splint for mallet finger [letter] Gooding CA. **Am Fam Physician** 1984 Jan;29(1):23

Peroneal tendon dislocations: a review of the literature. Cohen I, et al. **J Foot Surg** 1983 Spring;22(1):15–20

Achilles tendon rupture: a case report and discussion of conservative versus surgical repair. Kalish SR, et al. **J Foot Surg** 1983 Spring;22(1):33–9

An experimental study on incompletely cut chicken tendons—a comparison of two methods of management. Chow SP, et al. **J Hand Surg [Br]** 1984 Jun;9(2):121–5

A modified Kleinert Controlled Mobilization Splint following flexor tendon repair. Slattery PG, et al. **J Hand Surg [Br]** 1984 Jun;9(2):217–8

Management and rehabilitation of extensor tendon injuries. Lovett WL, et al. **Orthop Clin North Am** 1983 Oct; 14(4):811–26

[Minor complaints; whiplash or tennis leg] Mulder Dzn JD, et al. **Ned Tijdschr Geneeskd** 1983 Aug 13;127(33):1496–8 (Dut)

[Functional treatment of extensor tendon injury of the hand] Lemke T, et al. **Chirurg** 1984 Apr;55(4):264–6 (Eng. Abstr.) (Ger)

VETERINARY

The use of carbon fibre implants to repair severed digital flexor tendons in a fallow deer. McGill CA, et al. **Aust Vet J** 1983 Oct;60(10):318

Tendon avulsion as a cause of lameness in turkeys. Julian RJ. **Avian Dis** 1984 Jan–Mar;28(1):244–9

Pathology of the skeleton and tendons of broiler chickens reared to roaster weights. I. Crippled chickens. Riddell C. **Avian Dis** 1983 Oct–Dec;27(4):950–62

Comparison of carbon fibre and nylon suture for repair of transected flexor tendons in the horse. Nixon AJ, et al. **Equine Vet J** 1984 Mar;16(2):93–102

Firing of tendons [letter] Borthwick BR. **Vet Rec** 1983 Oct 22;113(17):405

Rupture of bovine fetlock [letter] Kneen JE. **Vet Rec** 1984 May 5;114(18):460

TENDON TRANSFER

Transposition of flexor tendons on the hand. Jakubik J. **Acta Chir Plast (Prague)** 1984;26(1):60–3

Wrist deformity in rheumatoid arthritis extensor carpi ulnaris tendon transfer. Brown FE. **Ann Plast Surg** 1984 Aug; 13(2):121–5

Transposition of the posterior tibial tendon in spastic equinovarus. van der Werf GJ, et al. **Arch Orthop Trauma Surg** 1984;103(2):128–30

The effect of tenotomy and tendon transfers on muscle fiber types in the dog. Castle ME, et al. **Clin Orthop** 1984 Jun; (186):302–10

A comparative study of EFMT and sublimis transfer operations in the claw hand. Sundararaj GD, et al. **Int J Lepr** 1983 Jun;51(2):197–202

Criteria for selected major tendon transfers in podiatric surgery. Fenton CF 3d, et al. **J Am Podiatry Assoc** 1983 Nov;73(11):561–8

Extensor hallucis longus transfer for hallux varus deformity. Johnson KA, et al. **J Bone Joint Surg [Am]** 1984 Jun; 66(5):681–6

Correction of ulnar claw hand by a loop of flexor digitorum superficialis motor for lumbrical replacement. Shah A. **J Hand Surg [Br]** 1984 Jun;9(2):131–3

Adductor transfer versus tenotomy for stability of the hip in spastic cerebral palsy. Reimers J, et al. **J Pediatr Orthop** 1984 Jan;4(1):52–4

[Restoration of elbow flexion by tendon transfer in traumatic paralysis of the brachial plexus in adults. Apropos of 44 injured patients] Alnot JY, et al. **Rev Chir Orthop** 1984; 70(4):313–23 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Lesions of the long head [letter] Kumar VP. **Clin Orthop** 1984 Jan–Feb;(182):311–2

HISTORY

Milestones in modern plastic surgery. Restoration of function and balance of the wrist and hand by tendon transfers. By William L. White, M.D. 1960. **Ann Plast Surg** 1984 Jun; 12(6):547–68

METHODS

Dynamic double tendon replacement of the posterior cruciate ligament. Wirth CJ, et al. **Am J Sports Med** 1984 Jan–Feb; 12(1):39–43

Treatment of complete acromioclavicular separation by coracoacromial ligament transfer. Kawabe N, et al. **Clin Orthop** 1984 May;(185):222–7

Posterior transfer of tibialis anterior in low-level myelodysplasia. Janda JP, et al. **Dev Med Child Neurol** 1984 Feb;26(1):100–3

Retrofibular transfer of tibialis posterior to control residual adduction deformity of clubfoot. Fahmy WM. **Int Orthop** 1983;7(3):191–3

Flexor digitorum longus tendon transfer. A simplified technique. Marcinko DE, et al. **J Am Podiatry Assoc** 1984 Aug;74(8):380–5

Dynamic musculotendinous transfer to replace the anterior cruciate ligament in the dog. Adelaar RS, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):650–5

Abductor hallucis tendon transfer for hallux varus. Clark WD. **J Foot Surg** 1984 Mar–Apr;23(2):146–8

Split peroneus brevis transfer: nonosseous ankle stabilization procedure. Wilson MK, et al. **J Foot Surg** 1982 Winter; 21(4):324–9

The tendon perforating forceps. Mennen U. **J Hand Surg** 1983 Nov;8(6):950–1

Flexor superficialis tendon transfers to the thumb—an alternative to the free tendon graft for treatment of chronic injuries within the digital sheath. Posner MA. **J Hand Surg** 1983 Nov;8(6):876–81

Tendon transfers in hand surgery. Riordan DC. **J Hand Surg** 1983 Sep;8(5 Pt 2):748–53

Rehabilitative operation for motor neuron disease: tendon transfer for segmental muscular atrophy of the upper extremities. Sinaki M, et al. **Mayo Clin Proc** 1984 May; 59(5):338–42

[Patellar centering by complete division of the quadriceps tendon. Technic and late results] Baciu CC. **Acta Orthop Belg** 1983 Jul–Aug;49(4):457–67 (Fre)

[Chronic instability of the ankle. Surgical treatment] Van Innis F, et al. **Acta Orthop Belg** 1983;49(6):745–50 (Fre)

[Surgical treatment of inveterate injuries of the Achilles tendon with reversed pedicled graft] Malejka T, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):295–8 (Eng. Abstr.) (Pol)

[Experimental and clinical studies on tendon wound healing in various tissues and in dynamic states] Nagay B, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):329–36 (Eng. Abstr.) (Pol)

[Restoration of thumb opposition] Węgrzyn J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):165–8 (Eng. Abstr.) (Pol)

[Experience with the surgical treatment of congenital clubfoot in children by the Shturm method] Kapitanaki AL, et al. **Vestn Khir** 1984 May;132(5):91–3 (Eng. Abstr.) (Rus)

TENDONS

Histogenesis of clear cell sarcoma of tendons and aponeuroses. An electron-microscopic, biochemical, enzyme histochemical, and immunohistochemical study. Mukai M, et al. **Am J Pathol** 1984 Feb;114(2):264–72

Multiple tendon rupture in systemic lupus erythematosus: case report and review of the literature. Potasman I, et al. **Ann Rheum Dis** 1984 Apr;43(2):347–9

Adductor canal compression syndrome. Verta MJ Jr, et al. **Arch Surg** 1984 Mar;119(3):345–6

Tendon disease and adjacent bone erosion in dialysis patients. Meneghello A, et al. **Br J Radiol** 1983 Dec;56(672):915–20

Multiple spontaneous ruptures of tendons in renal transplant recipient. Bradlow A, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):364–5

Clear-cell sarcoma of tendons and aponeuroses: a clinicopathologic study. Presentation of six additional cases with review of the literature. Pavlidis NA, et al. **Cancer** 1984 Oct 1;54(7):1412–7

Transformation of 4-cholesten-3-one and 7 alpha-hydroxy-4-cholesten-3-one into cholestanol and

bile acids in cerebrotendinous xanthomatosis. Salen G, et al. **Gastroenterology** 1984 Aug;87(2):276–83

Clear cell sarcoma of tendons and aponeuroses: electron microscopic findings suggesting Schwann cell differentiation. Azumi N, et al. **Hum Pathol** 1983 Dec; 14(12):1084–9

Preparation and strength of poly(ethylene terephthalate) fiber bundles for model synthetic tendons. Kolařík J, et al. **J Biomed Mater Res** 1984 Jan;18(1):115–21

Epithelioid sarcoma in the hand. Archer IA, et al. **J Hand Surg [Br]** 1984 Jun;9(2):207–9

Acute carpal tunnel syndrome due to spontaneous haemorrhage. Howie CR, et al. **J Hand Surg [Br]** 1984 Jun;9(2):137–8

Sub-deltoid bursitis due to calcific tendonosis of the rotator cuff: a case report. Volstad KL. **J Manipulative Physiol Ther** 1983 Dec;6(4):203–5

Xanthoma tendinosum in a normolipemic ectodermal dysplasia patient. Jalava S, et al. **Scand J Rheumatol** 1984; 13(2):133–9

[Orchialgia and tendoperiostosis inguinalis] Kočvara S. **Rozhl Chir** 1984 Apr;63(4):295–7 (Eng. Abstr.) **(Cze)**

[Tendon sheath syndromes in the hand] Chamay A, et al. **Rev Med Suisse Romande** 1984 Apr;104(4):319–22 **(Fre)**

ABNORMALITIES

The secondary tendinous slip of the extensor hallucis longus (extensor ossis metatarsi hallucis). Lundeen RO, et al. **J Foot Surg** 1983 Summer;22(2):142–4

Palmaris profundus of Frohse and Fränkel in association with carpal tunnel syndrome. Fatah MF. **J Hand Surg [Br]** 1984 Jun;9(2):142–4

[Congenital and hereditary stretch tendon displacement of the hand] Vara-Lopez R, et al. **Zentralbl Chir** 1983; 108(19):1225–8 **(Ger)**

ANALYSIS

Arrangement of microfibrils in collagen fibrils of tendons in the rat tail. Ultrastructural and x-ray diffraction investigation. Castellani PP, et al. **Cell Tissue Res** 1983; 234(3):735–43

Biochemical studies on the collagen of the palmar aponeurosis affected with Dupuytren's disease. Hanyu T, et al. **Tohoku J Exp Med** 1984 Apr;142(4):437–43

ANATOMY & HISTOLOGY

An anatomical study of the tendon of the equine biceps brachii muscle. Gyürü F, et al. **Acta Vet Acad Sci Hung** 1982;30(1–3):147–60

Morphology of human palmaris longus tendon. Nicholls SP, et al. **Ann Rheum Dis** 1984 Jun;43(3):477–82

The shape of the trochlea. Sacks JG. **Arch Ophthalmol** 1984 Jun;102(6):932–3

Nutrient pathways to extensor tendons within the extensor retinacular compartments. An experimental study in dogs. Manske PR, et al. **Clin Orthop** 1983 Dec;(181):234–7

Anatomy of flexor pollicis longus vinculum system. Armenta E, et al. **J Hand Surg [Am]** 1984 Mar;9(2):210–2

Ankle tenography: a key to unexplained symptomatology. Part I: Normal tenographic anatomy. Teng MM, et al. **Radiology** 1984 Jun;151(3):575–80

[Accessory tendons in the human carpal tunnel] von Keyserlingk DG, et al. **Anat Anz** 1984;156(4):285–92 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

The blood flow of rabbits' tendons. Variation with age, activity and hypoxia. Landi A, et al. **Acta Orthop Scand** 1983 Dec;54(6):832–5

Vascularization of the extensor apparatus of the fingers. Gajisin S, et al. **J Anat** 1983 Sep;137 (Pt 2):315–22

Blood flow and clearance in tendons. Studies with dogs. Hooper G, et al. **J Bone Joint Surg [Br]** 1984 May; 66(3):441–3

CYTOLOGY

Elastooptic photon signal modulation in collagenic fiber optics of tendon. Simanonok KE. **Biomater Med Devices Artif Organs** 1983;11(1):83–92

DRUG EFFECTS

Influence of desmotropic drugs on viscoelastic properties of rat tail tendons. Hysteresis experiments. Vogel HG. **Arzneimittelforsch** 1984;34(2):213–6

Effect of D-penicillamine on the mechanical properties of aorta, muscle tendon and skin in rats. Oxlund H, et al. **Atherosclerosis** 1984 Aug;52(2):243–52

EMBRYOLOGY

Chick myotendinous antigen. II. A novel extracellular glycoprotein complex consisting of large disulfide-linked subunits. Chiquet M, et al. **J Cell Biol** 1984 Jun; 98(6):1937–46

Chick myotendinous antigen. I. A monoclonal antibody as a marker for tendon and muscle morphogenesis. Chiquet M, et al. **J Cell Biol** 1984 Jun;98(6):1926–36

ENZYMOLOGY

Protein disulphide-isomerase of chick-embryo tendon. Brockway BE, et al. **Biochem J** 1984 Apr 1;219(1):51–9

IMMUNOLOGY

The in vivo effects of various immunoreactive treatments on allogeneic tendon grafts. Minami A, et al. **J Hand Surg** 1983 Nov;8(6):888–93

INNERVATION

The in-series and in-parallel components in rat hindlimb tendon organs. Zelená J, et al. **Neuroscience** 1983 Aug; 9(4):899–910

METABOLISM

The periphery of the developing collagen fibril. Quantitative relationships with dermatan sulphate and other surface-associated species. Scott JE. **Biochem J** 1984 Feb 15;218(1):229–33

Ehlers-Danlos syndrome type VI: collagen type specificity of defective lysyl hydroxylation in various tissues. Ihme A, et al. **J Invest Dermatol** 1984 Sep;83(3):161–5

MICROBIOLOGY

Isolation of fowl adenovirus from tendons and tendon sheaths of chickens with leg weakness. Takase K, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):517–8

PATHOLOGY

Fine structural alterations of collagen fibers in degenerative tendinopathy. Józsa L, et al. **Arch Orthop Trauma Surg** 1984;103(1):47–51

A case of 'trigger toe'. Newman NM, et al. **Can J Surg** 1984 Jul;27(4):378–9

Juvenile aponeurotic fibroma: a case report of a rare tumor. Weasen SR, et al. **Cleve Clin Q** 1984 Summer;51(2):467–9

Clear cell sarcoma: report of two cases with ultrastructural observations and review of the literature. Amr SS, et al. **Clin Oncol** 1984 Mar;10(1):59–65

Tenosynovial fibroma. Azzopardi JG, et al. **Diagn Histopathol** 1983 Apr–Jun;6(2):69–76

Myotendinous junction: morphological changes and mechanical failure associated with muscle cell atrophy. Tidball JG. **Exp Mol Pathol** 1984 Feb;40(1):1–12

Abnormal behavior of cultured fibroblasts from nodule and nonaffected aponeurosis of Dupuytren's disease. Azzarone B, et al. **J Cell Physiol** 1983 Dec;117(3):353–61

The dangers of sclerotherapy in the treatment of ganglia. Mackie IG, et al. **J Hand Surg [Br]** 1984 Jun;9(2):181–4

Vertebral ankylosing hyperostosis: what new bone, where and why? [editorial] François RJ. **J Rheumatol** 1983 Dec; 10(6):837–40

Studies on the pathogenesis of equine tendonitis following collagenase injury. Williams IF, et al. **Res Vet Sci** 1984 May;36(3):326–38

Aponeurotic hernias. Recent observations upon paraumbilical and epigastric hernias. Askar OM. **Surg Clin North Am** 1984 Apr;64(2):315–33

[Case of calcinosis of the skin, fascia and tendon sheaths] Khlebin KI, et al. **Vestn Dermatol Venerol** 1984 Feb; (2):51–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Tendineoceptive component of mixed somesthetic and proprioceptive evoked potential in cats. Medek A, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:213–21

Hamstring/quadriceps ratios in college football players: a high velocity evaluation. Stafford MG, et al. **Am J Sports Med** 1984 May-Jun;12(3):209–11

Pathology of the skeleton and tendons of broiler chickens reared to roaster weights. II. Normal chickens. Riddell C, et al. **Avian Dis** 1983 Oct-Dec;27(4):980–91

Biomechanics of the musculotendinous unit: relation to athletic performance and injury. Ciullo JV, et al. **Clin Sports Med** 1983 Mar;2(1):71–86

Creatine of tenotomised muscle under influence of prednisolone treatment. Mandal SK, et al. **Indian J Physiol Pharmacol** 1983 Oct-Dec;27(4):334–6

A new clamping and stretching procedure for determination of collagen fiber stiffness and strength relations upon maturation. Svendsen KH, et al. **J Biomech** 1984; 17(3):225–9

Age-dependent influence of strain rate on the tensile failure of rat-tail tendon. Haut RC. **J Biomech Eng** 1983 Aug; 105(3):296–9

Mechanical properties of human tendon and their age dependence. Hubbard RP, et al. **J Biomech Eng** 1984 May; 106(2):144–50

Histological staining as a measure of stress in collagen fibers. Lanir Y, et al. **J Biomech Eng** 1984 May;106(2):174–6

Strain topography of human tendon and fascia. Zernicke RF, et al. **J Biomech Eng** 1984 May;106(2):177–80

Tendon excursion of wrist movers. Youm Y, et al. **J Hand Surg [Am]** 1984 Mar;9(2):202–9

Characteristics of membrane channels induced by acetylcholine at frog muscle-tendon junctions. Miledi R, et al. **J Physiol (Lond)** 1984 May;350:269–77

The tendon of flexor pollicis longus: its effects on the muscular control of force and position at the human thumb. Rack PM, et al. **J Physiol (Lond)** 1984 Jun;351:99–110

Reflex responses at the human ankle: the importance of tendon compliance. Rack PM, et al. **J Physiol (Lond)** 1983 Nov;344:503–24

On the multiplicity of neuronal pathways from muscle spindles and tendon organs and their selection in the cat. Jankowska E. **J Physiol (Paris)** 1982–83;78(8):772–4 (22 ref.)

[Application of the double sucrose gap technique to the study of sodium conductance of false tendons isolated from the rabbit ventricle] Sauviat MP, et al. **C R Seances Acad Sci [III]** 1984;298(11):317–20 (Eng. Abstr.) **(Fre)**

[Morphological study and functional value of the femoral insertion of the popliteal muscle] Perringerard I, et al. **Rev Chir Orthop** 1984;70 Suppl 2:47–9 **(Fre)**

PHYSIOPATHOLOGY

Knuckle pads causing extensor tendon tethering. Addison A. **J Bone Joint Surg [Br]** 1984 Jan;66(1):128–30

[Spontaneous tendon rupture in chronic renal failure (letter)] Ragnaud JM, et al. **Presse Med** 1984 Apr 28;13(18):1154 **(Fre)**

RADIOGRAPHY

The medial oblique foot x-ray: identification of soft tissue shadows seen plantarly. Lieber GA. **J Foot Surg** 1983 Spring;22(1):50–1

Spinal entheseal new bone formation: the early changes of spinal diffuse idiopathic skeletal hyperostosis. Fornasier VL, et al. **J Rheumatol** 1983 Dec;10(6):939–47

Ankle tenography: a key to unexplained symptomatology. Part II: Diagnosis of chronic tendon disabilities. Gilula LA, et al. **Radiology** 1984 Jun;151(3):581–7

Enthesopathic erosive lesions of patella and tibial tuberosity in juvenile ankylosing spondylitis. Anatomico-radiological study of a case with tibial bursitis. Albert J, et al. **ROFO** 1983 Nov;139(5):544–8

[Diagnosis of calcification of the patellar tendon. Echo-radiographic comparison] Fornage B, et al. **J Radiol** 1984 May;65(5):355–9 (Eng. Abstr.) **(Fre)**

[Extraspinal erosions of tendon insertions in ankylosing spondylitis] Albert J, et al. **Rev Rhum Mal Osteoartic** 1983 Jul-Sep;50(8–9):573–8 (Eng. Abstr.) **(Fre)**

[Width of the normal tendon sheath in the 2d to 5th fingers in oblique exposures] Fischer E. **ROFO** 1984 Jan; 140(1):75–8 (Eng. Abstr.) **(Ger)**

SURGERY

Adductor myotomy, hamstring lengthening and Achilles tendon lengthening in cerebral palsy. Feyen J, et al. **Acta Orthop Belg** 1984 Mar-Apr;50(2):180–9

Lengthening and transposition of the hamstrings in cerebral palsy. A long-term follow-up. Uyttendaele D, et al. **Acta Orthop Belg** 1984 Mar-Apr;50(2):198–205

Mechanical block to extension following augmentation of the anterior cruciate ligament. A case report. Fullerton LR Jr, et al. **Am J Sports Med** 1984 Mar-Apr;12(2):166–8

Elongation of the plantaris longus tendon after surgical repair in the rabbit. Carlstedt CA, et al. **Arch Orthop Trauma Surg** 1984;103(1):71–2

Silicone implants in dogs. A ten-year histopathologic study. Swanson AB, et al. **Clin Orthop** 1984 Apr;(184):293–301

Comparison of carbon fibre and nylon suture for repair of transected flexor tendons in the horse. Nixon AJ, et al. **Equine Vet J** 1984 Mar;16(2):93–102

Slip-knot flexor tendon suture in Zone II allowing immediate mobilisation. Brunelli G, et al. **Hand** 1983 Oct;15(3):352–8

Tendinous xanthomatosis--a case report. Singh M, et al. **Indian J Pediatr** 1983 Jan-Feb;50(402):89–91

Comparison of the structure of neotendons induced by implantation of carbon or polyester fibres. Amis AA, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):131–9

Peroneal tendon dislocations: a review of the literature. Cohen I, et al. **J Foot Surg** 1983 Spring;22(1):15–20

Posterior tibial tendon rupture in a world class runner. Simpson RR, et al. **J Foot Surg** 1983 Spring;22(1):74–7

Modified 69 blade for tenolysis. McDonough JJ, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):610–1

A permanent tendon-to-bone suture technique in the distal phalanx. Vercimak MP, et al. **J Hand Surg [Am]** 1984 Jan; 9A(1):146–7

An experimental study on incompletely cut chicken tendons--a comparison of two methods of management. Chow SP, et al. **J Hand Surg [Br]** 1984 Jun;9(2):121–5

Medial canthal tendon reconstruction. Moss AL. **J Maxillofac Surg** 1984 Jun;12(3):131–2

Adductor transfer versus tenotomy for stability of the hip in spastic cerebral palsy. Reimers J, et al. **J Pediatr Orthop** 1984 Jan;4(1):52–4

A long-term retrospective study of proximal hamstring release for hamstring contracture in cerebral palsy. Sharps CH, et al. **J Pediatr Orthop** 1984 Aug;4(4):443–7

Adductor tenotomy-obturator neurectomy. Wheeler ME, et al. **J Pediatr Orthop** 1984 Jan;4(1):48–51

Changes in elemental composition of single muscle fibers following tenotomy of the rat soleus muscle. Wróblewski R, et al. **Muscle Nerve** 1983 Sep;6(7):490–6

Separation of sutured tendon ends when different suture techniques and different suture materials are used. An experimental study in rabbits. Nyström B, et al. **Scand J Plast Reconstr Surg** 1983;17(1):19–23

Tendon surgery. Fackelman GE. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):381–90

(30 ref.)
Firing of horses: the debate at York [letter] Chandler N. **Vet Rec** 1983 Oct 8;113(15):355
[Technics and results of multiple tenotomy of the lower limbs, in patients with multiple sclerosis] Boisacq P. **Acta Orthop Belg** 1984 Mar-Apr;50(2):296-300 (Eng. Abstr.) **(Fre)**
[Suture of the extensor tendons of the hand with assisted mobilization. Apropos of 120 cases] Allieu Y, et al. **Rev Chir Orthop** 1984;70 Suppl 2:69-73 **(Fre)**
[Unbalanced pelvic girdle in motor disability of cerebral origin. Success and limitations of adductor muscle tenotomy] Vidal J, et al. **Rev Chir Orthop** 1984; 70(4):297-303 (Eng. Abstr.) **(Fre)**
[Treatment of palmar and tendon sheath infections following aponeurectomy with gentamycin PMMA minichains] Asche G. **Handchir Mikrochir Plast Chir** 1984 Jun; 16(2):93-6 (Eng. Abstr.) **(Ger)**
[Tenotome for resecting the tendon of the iliopsoas muscle from the lesser trochanter] Abramov IuG, et al. **Ortop Travmatol Protez** 1984 Mar;(3):53 **(Rus)**
[Organ-saving surgical treatment of giant cell tumors of the fibro-synovial apparatus of the hand tendons] Usol'tseva EV, et al. **Vestn Khir** 1983 Oct;131(10):110-3 **(Rus)**

TRANSPLANTATION

Anterior cruciate ligament reconstruction with a loop or double thickness of semitendinosus tendon. Ellera Gomes JL, et al. **Am J Sports Med** 1984 May-Jun;12(3):199-203
The surgical correction of blepharoptosis by using plantaris tendon. Premasathian D. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):463-7
Flexor tendon repair in congenital adactyly: a case report. Dye H, et al. **Aust NZ J Surg** 1983 Dec;53(6):581-2
Reconstruction of the anterior cruciate ligament with a quadricep patellar tendon graft. Preliminary results. Stanish WD, et al. **Can J Appl Sport Sci** 1984 Mar;9(1):21-4
The plantaris tendon: a lateral ankle stabilization procedure. A case report. Ransom RA, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):295-8
Recurrent rupture of the tendo Achillis. Repair by free tendinous autograft. Schuberth JM, et al. **J Am Podiatry Assoc** 1984 Apr;74(4):157-62
Achilles tendon rupture: a case report and discussion of conservative versus surgical repair. Kalish SR, et al. **J Foot Surg** 1983 Spring;22(1):33-9
Clinical use of refrigerated flexor tendon allografts to replace a silicone rubber rod. Liu TK. **J Hand Surg** 1983 Nov; 8(6):881-7
Flexor tendon grafts in the fingers. Künzle AL, et al. **J Hand Surg [Br]** 1984 Jun;9(2):126-8
'Rugby finger'—avulsion of profundus of ring finger. Lunn PG, et al. **J Hand Surg [Br]** 1984 Feb;9(1):69-71
Experimental and clinical studies of Kienböck's disease. Excision of the lunate followed by packing of the free tendon. Ishiguro T. **Nippon Seikeigeka Gakkai Zasshi** 1984 May;58(5):509-22
Sling operation for recurrent stress incontinence using the tendon of the palmaris longus. Poliak A, et al. **Obstet Gynecol** 1984 Jun;63(6):850-4
Experimental tendon grafting within intact tendon sheath. Eiken O, et al. **Scand J Plast Reconstr Surg** 1983; 17(2):127-31
[2-stage grafts of flexor tendons. Analysis of a series of 67 cases] Mériaux JL, et al. **Rev Chir Orthop** 1984;70 Suppl 2:64-7 **(Fre)**
[Treatment of chronic laxity of the knee by mixed intra- and extra-articular plastic surgery] Witvoët J, et al. **Rev Chir Orthop** 1984;70 Suppl 2:156-8 **(Fre)**
[2-stage flexor tendon transplantation—surgical technic—histology—results] Belusa M, et al. **Beitr Orthop Traumatol** 1984 Feb;31(2):89-94 (Eng. Abstr.) **(Ger)**
[Long-term results of 2-stage flexor tendon grafting] Madee W, et al. **Handchir Mikrochir Plast Chir** 1983 Dec; 15(4):245-9 (Eng. Abstr.) **(Ger)**
[Autoplasty of the tendons of the flexors of the fingers at remote periods after injury] Shugarov NA, et al. **Ortop Travmatol Protez** 1983 Sep;(9):37-40 (Eng. Abstr.) **(Rus)**
[Method of treating an old rupture of the supraspinatus muscle] Giul'nazarova SV. **Vestn Khir** 1983 Aug; 131(8):122-3 **(Rus)**
[A method of plastic surgery of the finger flexor tendons] Khasiev BG. **Vestn Khir** 1983 Jul;131(7):119-22 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structural domains of the muscle-tendon junction. 1. The internal lamina and the connecting domain. Trotter JA, et al. **Anat Rec** 1983 Dec;207(4):573-91
Collagen—proteoglycan interactions. Localization of proteoglycans in tendon by electron microscopy. Scott JE. **Biochem J** 1980 Jun 1;187(3):887-91
Variation of longitudinal acoustic velocity at gigahertz frequencies with water content in rat-tail tendon fibers. Cusack S, et al. **Biopolymers** 1984 Feb;23(2):337-51
The geometry of actin filament-membrane associations can modify adhesive strength of the myotendinous junction. Tidball JG. **Cell Motil** 1983;3(5-6):439-47
Structural connections of the muscle-tendon junction. Trotter JA, et al. **Cell Motil** 1983;3(5-6):431-8
Morphometric analysis of loading-induced changes in collagen-fibril populations in young tendons. Michna H. **Cell Tissue Res** 1984;236(2):465-70
A peculiar myofibrillar pattern in the murine muscle-tendon junction. Michna H. **Cell Tissue Res** 1983;233(1):227-31
Spatial relationships between fibroblasts during the growth of rat-tail tendon. Squier CA, et al. **Cell Tissue Res** 1983; 234(1):17-29
X-ray diffraction evidence of collagen molecular packing and cross-linking in fibrils of rat tendon observed by synchrotron radiation. Svendsen KH, et al. **EMBO J** 1982; 1(6):669-74
The pathogenesis of tendolipomatosis; an electron microscopical study. Józsa L, et al. **Int Orthop** 1984; 7(4):251-5
Ultrastructural construction of collagen fibrils as revealed by the freeze-fracture technique. Gotoh T, et al. **J Electron Microsc (Tokyo)** 1983;32(3):213-5
Light microscopy, electron microscopy, and X-ray diffraction analysis of glycerinated collagen fibers. Leonardi L, et al. **J Ultrastruct Res** 1983 Nov;85(2):228-37
Ultrastructural similarities and differences of synovial sarcoma, epithelioid sarcoma, and clear cell sarcoma of the tendons and aponeuroses. Lombardi L, et al. **Ultrastruct Pathol** 1984;6(2-3):209-19

TENDONS, PARA-ARTICULAR

Pigmented villonodular synovitis (giant-cell tumor of the tendon sheath and synovial membrane). A review of eighty-one cases. Rao AS, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):76-94

ABNORMALITIES

Conjoined flexor and extensor pollicis longus tendons in the hypoplastic thumb. Fitch RD, et al. **J Hand Surg [Am]** 1984 May;9(3):417-9

BLOOD SUPPLY

The vascularity of the flexor pollicus longus tendon [letter] Zbrodowski A. **Clin Orthop** 1984 May;(185):311-2

INJURIES

Rotator cuff tears associated with os acromiale. Mudge MK, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):427-9
Cuff-tear arthropathy. Neer CS 2d, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1232-44
Boutonnière-type deformity of the knee following patellectomy and manipulations. A case report. Noble HB, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):137-8
The significance of preoperative shoulder arthrography in painful arc patients. Myllylä V, et al. **Rontgenblatter** 1984 Jul;37(7):249-51
Rupture of bovine fetlock [letter] Kneen JE. **Vet Rec** 1984 May 5;114(18):460
[Holding device for x-ray determination of injuries in collateral ligaments of the metacarpophalangeal joint of the thumb] Hildebrandt HD. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):194-5 (Eng. Abstr.) **(Ger)**
[Reconstruction technics for ruptured rotator cuff] Refior HJ, et al. **Z Orthop** 1984 Jan-Feb;122(1):27-30 (Eng. Abstr.) **(Ger)**
[Experimental study of new possibilities of reconstruction of the peritendineal gliding surface. II. Restoration of a tenovagineal injury by an autologous venous patch] Bíró V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):113-22 (Eng. Abstr.) **(Hun)**

METABOLISM

Polarization and electron microscopic studies on the collagen of intact and ruptured human tendons. Józsa L, et al. **Acta Histochem (Jena)** 1984;74(2):209-15

PATHOLOGY

Sonography of the patellar tendon: preliminary observations. Fornage BD, et al. **AJR** 1984 Jul;143(1):179-82

PHYSIOLOGY

The mechanical role of the digital fibrous sheath: application to reconstructive surgery of the flexor tendons. Delattre JF, et al. **Anat Clin** 1983;5(3):187-97
Tendon excursion and moment arm of index finger muscles. An KN, et al. **J Biomech** 1983;16(6):419-25
Elastic properties of the cat soleus tendon and their functional importance. Rack PM, et al. **J Physiol (Lond)** 1984 Feb; 347:479-95

PHYSIOPATHOLOGY

Histologic evidence of intrinsic flexor tendon repair in various experimental animals. An in vitro study. Manske PR, et al. **Clin Orthop** 1984 Jan-Feb;(182):297-304
Intrinsic flexor-tendon repair. A morphological study in vitro. Manske PR, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):385-96
The snapping iliopsoas tendon. Lyons JC, et al. **Mayo Clin Proc** 1984 May;59(5):327-9

SURGERY

Krogius tenoplasty for recurrent dislocation of the patella. Failure associated with joint laxity. Bauer FC, et al. **Acta Orthop Scand** 1984 Jun;55(3):267-9
The release of flexion contractures as a prerequisite for the treatment of pressure sores in multiple sclerosis: a report of ten cases. Haher JN, et al. **Ann Plast Surg** 1983 Sep; 11(3):246-9
The isolated lateral retinacular release in the treatment of patellofemoral disorders. Bigos SJ, et al. **Clin Orthop** 1984 Jun;(186):75-80
The effect of tenotomy and tendon transfers on muscle fiber types in the dog. Castle ME, et al. **Clin Orthop** 1984 Jun; (186):302-10
Factors associated with poor results following arthroscopic subcutaneous lateral retinacular release. Simpson LA, et al. **Clin Orthop** 1984 Jun;(186):165-71
Treatment of valgus hindfoot in cerebral palsy by peroneus brevis lengthening. Nather A, et al. **Dev Med Child Neurol** 1984 Jun;26(3):335-40
Reconstruction of the rotator cuff. Solonen KA, et al. **Int Orthop** 1983;7(1):49-53
Traumatic hallux varus correction via split extensor tenodesis. Hunter WN, et al. **J Foot Surg** 1984 Jul-Aug; 23(4):321-5
[Surgical results of reconstructive surgery of the fibular ligaments using our modification of Weber's method] Soukup B, et al. **Acta Chir Orthop Traumatol Cech** 1984 Feb;51(1):33-40 (Eng. Abstr.) **(Cze)**
[Patellar centering by complete division of the quadriceps tendon. Technic and late results] Baciu CC. **Acta Orthop Belg** 1983 Jul-Aug;49(4):457-67 **(Fre)**
[Interposition arthroplasties in the area of the proximal carpal row (lunate and scaphoid replacement/partial replacement] Strässle H, et al. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):177-81 (Eng. Abstr.) **(Ger)**
[Usefulness of venous wall in prevention of adhesions after experimental tendon suture] Minta P. **Chir Narzadow Ruchu Ortop Pol** 1983;48(5-6):423-9 (Eng. Abstr.) **(Pol)**
[Experimental and clinical studies on tendon wound healing in various tissues and in dynamic states] Nagay B, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):329-36 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Mechanical and functional properties of implanted freeze-dried flexor tendons. Webster DA, et al. **Clin Orthop** 1983 Nov;(180):301-9
Freeze-dried flexor tendons in anterior cruciate ligament reconstruction. Webster DA, et al. **Clin Orthop** 1983 Dec; (181):238-43
[2-strip substitution-plasty of the anterior cruciate ligament with the quadriceps tendon] Blauth W. **Unfallheilkunde** 1984 Feb;87(2):45-51 (Eng. Abstr.) **(Ger)**

TENEBRIO

ENZYMOLOGY

Interaction of wheat monomeric and dimeric protein inhibitors with alpha-amylase from yellow mealworm (Tenebrio molitor L. larva). Buonocore V, et al. **Biochem J** 1980 Jun 1;187(3):637-45

GROWTH & DEVELOPMENT

Influence of canola hulls on gain in weight of larvae of the yellow mealworm, Tenebrio molitor L. Davis GR, et al. **Arch Int Physiol Biochim** 1983 Dec;91(5):443-50

IMMUNOLOGY

Mealworm asthma: clinical and immunologic studies. Bernstein DI, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):475-80

METABOLISM

Allometry of water vapor absorption in two species of tenebrionid beetle larvae. Coutchié PA, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R230-6

ULTRASTRUCTURE

Isolation and characterization of invertebrate smooth septate junctions. Green CR, et al. **J Cell Sci** 1983 Jul;62:351-70

TENIPOSIDE see under **PODOPHYLLOTOXIN**

TENNECETIN see **PIMARICIN**

TENNIS see under **SPORTS**

TENNIS ELBOW

DIAGNOSIS

Prognosis of lateral epicondylitis [letter] Richards AJ. **Br J Rheumatol** 1983 Nov;22(4):250
'Tennis-arm': echotomographic confirmation. Commandre FA, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):191-3
[Epicondylitis and epicondylalgia] Gritten C, et al. **Rev Med Liege** 1984 Apr 15;39(8):317-23 **(Fre)**

[Our experience with the so-called tennis elbow--clinical picture and treatment] Aldinger G, et al. **Beitr Orthop Traumatol** 1984 Feb;31(2):94-8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

'Potato picker's plight' [letter] Klimek E. **Can Med Assoc J** 1984 Jan 15;130(2):106

Resistant tennis elbow. Heyse-Moore GH. **J Hand Surg [Br]** 1984 Feb;9(1):64-6

OCCURRENCE

Prevalence of epicondylitis and tenosynovitis among meatcutters. Roto P, et al. **Scand J Work Environ Health** 1984 Jun;10(3):203-5

An epidemiologic study of upper extremity injury in tennis players with a particular reference to tennis elbow. Hang YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar; 83(3):307-16

PHYSIOPATHOLOGY

Grip strength as a measure of response to treatment for lateral epicondylitis [letter] Thurtle OA, et al. **Br J Rheumatol** 1984 May;23(2):154-5

Nerve conduction studies in lateral epicondylitis [letter] Thurtle OA, et al. **Br J Rheumatol** 1984 Feb;23(1):77

RADIOGRAPHY

Apophysitis of the olecranon. A report of four cases. Danielsson LG, et al. **Acta Orthop Scand** 1983 Oct; 54(5):777-8

REHABILITATION

Tennis elbow. Murtagh J. **Aust Fam Physician** 1984 Jan; 13(1):51

SURGERY

[Surgical treatment of radial epicondylopathy of the humerus. Personal results] Podškubka A, et al. **Acta Chir Orthop Traumatol Cech** 1983 Oct;50(5):403-10 (Eng. Abstr.) **(Cze)**

[Surgical treatment of lateral epicondylitis of the humerus] Hansen LB, et al. **Ugeskr Laeger** 1983 Oct 17; 145(42):3250-2 (Eng. Abstr.) **(Dan)**

[Operative therapy of radial humeral epicondylitis] Stotz R, et al. **Helv Chir Acta** 1984 Jun;51(2):189-93 (Eng. Abstr.) **(Ger)**

THERAPY

Tennis elbow in aviators. Farr RW. **Aviat Space Environ Med** 1982 Mar;53(3):281-2

Tennis elbow--to rest or not to rest? [letter] Little TS. **Practitioner** 1984 May;228(1391):457

Current status and treatment of tennis elbow. Kohn HS. **Wis Med J** 1984 Mar;83(3):18-9

TENOSYNOVITIS

BLOOD

Rheumatoid factor production in response to gonococcal polyarthritis and tenosynovitis. Rajapakse CN, et al. **Clin Rheumatol** 1984 Jun;3(2):259-61

COMPLICATIONS

Osseous involvement in de Quervain's disease. Nyska M, et al. **Clin Orthop** 1984 Jun;(186):159-61

Spontaneous rupture of the posterior tibial tendon secondary to chronic nonspecific tenosynovitis. Fredenburg M, et al. **J Foot Surg** 1983 Fall;22(3):198-202

Tenosynovitis in Lowe syndrome [letter] Elliman D, et al. **J Pediatr** 1983 Dec;103(6):1011

[Carpal tunnel syndrome in tuberculous tendosynovitis of the hand] Mark G, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):448-51 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Electrocardiogram of the month. Vagotonia. Jones KG. **J Arkansas Med Soc** 1984 Jul;81(2):128-9

Steroid injection for flexor tenosynovitis. Carlson CS Jr, et al. **J Hand Surg [Am]** 1984 Mar;9(2):286-7

ETIOLOGY

Mycobacterium marinum infection of the hand involving deep structures. Chow SP, et al. **J Hand Surg** 1983 Sep; 8(5 Pt 1):568-73

Gouty involvement of a flexor tendon in the hand. Primm DD Jr, et al. **J Hand Surg** 1983 Nov;8(6):863-5

Foreign body granuloma. A cause of trigger thumb. Freund EI, et al. **J Hand Surg [Br]** 1984 Jun;9(2):210

Bursitis and tenosynovitis caused by group G streptococci. Meier JL, et al. **J Rheumatol** 1983 Oct;10(5):817-8

Coccidioidomycosis tenosynovitis: case report and review of the literature. Reid GD, et al. **J Rheumatol** 1984 Jun; 11(3):392-4

Thorn-induced tenosynovitis of the hand. Case report. Ettelson CD, et al. **Mo Med** 1984 May;81(5):257-9

Cymbal player's shoulder [letter] Huddleston CB, et al. **N Engl J Med** 1983 Dec 8;309(23):1462

[Tuberculous tenosynovitis of the flexor tendons of the fingers. Apropos of 2 cases] Piganiol G, et al. **Chirurgie** 1983;109(5):378-81 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Mycobacterium terrae tenosynovitis: chronic infection in a previously healthy individual. May DC, et al. **South Med J** 1983 Nov;76(11):1445-7

Tenosynovitis of the forearm due to Mycobacterium terrae (radish bacillus). Mehta JB, et al. **South Med J** 1983 Nov; 76(11):1433-5

[Digital tenosynovitis caused by non-tuberculous mycobacteria. Apropos of the 4th case caused by Mycobacterium terrae] Janier M, et al. **Presse Med** 1984 Feb 11;13(5):269-71 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Prevalence of epicondylitis and tenosynovitis among meatcutters. Roto P, et al. **Scand J Work Environ Health** 1984 Jun;10(3):203-5

RADIOGRAPHY

Ankle tenography: a key to unexplained symptomatology. Part II: Diagnosis of chronic tendon disabilities. Gilula LA, et al. **Radiology** 1984 Jun;151(3):581-7

THERAPY

Occupational repetition strain injuries. Guidelines for diagnosis and management. Browne CD, et al. **Med J Aust** 1984 Mar 17;140(6):329-32

Tenosynovitis, tendovaginitis and trigger finger. Wilson DH. **Physiotherapy** 1983 Oct 10;69(10):350-2

VETERINARY

Development of an attenuated apathogenic reovirus vaccine against viral arthritis/tenosynovitis. van der Heide L, et al. **Avian Dis** 1983 Jul-Sep;27(3):698-706

Isolation of fowl adenovirus from tendons and tendon sheaths of chickens with leg weakness. Takase K, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):517-8

Expression of viral arthritis-tenosynovitis infection in immunosuppressed chickens. Naqi S, et al. **Poult Sci** 1984 Apr;63(4):825-7

TENSILE STRENGTH

Bursting point of sutured limbal incisions. Weene LE. **Ann Ophthalmol** 1983 May;15(5):438-42

[Distribution of density, pressure and tensile strength of the human femoral shaft] Saito S. **Anat Anz** 1983;154(5):365-76 (Eng. Abstr.) **(Ger)**

TENSOR TYMPANI see under **TYMPANIC MEMBRANE**

TENUAZONIC ACID see under **ANTIBIOTICS, ANTINEOPLASTIC**

TEPA see under **AZIRINES**

TEPROTIDE see under **OLIGOPEPTIDES**

TERATOGENS

see related
ABNORMALITIES, DRUG-INDUCED

Corticosteroid teratogenicity. Rowland JM, et al. **Adv Vet Sci Comp Med** 1983;27:99-128 (191 ref.)

Malformations in nonlimb structures induced by acetazoiamide and other inhibitors of carbonic anhydrase. Scott WJ Jr, et al. **Ann NY Acad Sci** 1984;429:447-56

Evaluation of potential embryotoxicity and teratogenicity of 42 herbicides, insecticides, and petroleum contaminants to mallard eggs. Hoffman DJ, et al. **Arch Environ Contam Toxicol** 1984 Jan;13(1):15-27

Teratological studies on the TCDD congener 3,3',4,4'-tetrachloroazoxybenzene in sensitive and nonsensitive mouse strains: evidence for direct effect on embryonic tissues. Hassoun E, et al. **Arch Toxicol** 1984 Mar; 55(1):20-6

Interference of acetoxyalkyl-nitrosamines with limb bud differentiation in organ culture. Stahlmann R, et al. **Arch Toxicol** 1983 Oct;54(2):109-29

Teratogenic effects of cholinergic insecticides in chick embryos--IV. The role of tryptophan in protecting against limb deformities. Byrne DH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2881-90

Relative mutagenicity and teratogenicity of cyclophosphamide and two of its structural analogs. Hales BF. **Biochem Pharmacol** 1983 Dec 15;32(24):3791-5

Teratogenicity of 27.12-MHz radiation in rats is related to duration of hyperthermic exposure. Lary JM, et al. **Bioelectromagnetics** 1983;4(3):249-55

Assessment of teratological effect and developmental effect of maleic hydrazide salts in rats. Hansen E, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):184-92

Accutane Roche: risk of teratogenic effects [letter] Zarowny DP. **Can Med Assoc J** 1984 Aug 15;131(4):273

Tumor promoter actions on rat embryonic development in culture. Huber BE, et al. **Cancer Res** 1983 Nov; 43(11):5544-51

Antiteratogenic effects of tumor inhibitors, caffeine, antipain, and retinoic acid in mice. Nomura T, et al. **Cancer Res** 1983 Nov;43(11):5156-62

Validation of the whole-embryo culture method for in vitro teratogenicity testing. Schmid BP, et al. **Dev Toxicol Environ Sci** 1983;11:563-6

The effect of copper supplementation on the teratogenic effects of triethylenetetramine in rats. Cohen NL, et al. **Drug Nutr Interact** 1983;2(3):203-10

Teratogenic effects of D-penicillamine in rats: relation to copper deficiency. Keen CL, et al. **Drug Nutr Interact** 1983; 2(1):17-34

The introduction of one or two 3 beta-cholestanyl residues into benzylpenicilloyl-eicosa-L-lysines greatly potentiates their tolerogenicity for anti-benzylpenicillol IgE antibody formation. Lüscher IF, et al. **Eur J Immunol** 1984 Jan; 14(1):68-74

A study of the teratogenic potential of caffeine ingested in drinking-water. Collins TF, et al. **Food Chem Toxicol** 1983 Dec;21(6):763-77

A sulphite oxidase-deficient rat model: reproductive toxicology of sulphite in the female. Dulak L, et al. **Food Chem Toxicol** 1984 Aug;22(8):599-607

Studies of saccharin and cyclohexylamine in a coupled microsomal activating/embryo culture system. Kitchin KT, et al. **Food Chem Toxicol** 1983 Oct;21(5):537-41

In vitro study of embryotoxic and dysmorphogenic effects of mercuric chloride and methylmercury chloride in the rat. Kitchin KT, et al. **Food Chem Toxicol** 1984 Jan; 22(1):31-7

Teratological study of Fischer rats fed diet containing added vomitoxin. Morrissey RE. **Food Chem Toxicol** 1984 Jun; 22(6):453-7

Test for aluminosilicate teratogenicity in rats [letter] Nolen GA, et al. **Food Chem Toxicol** 1983 Oct;21(5):697

Teratogenicity of thiabendazole in ICR mice. Ogata A, et al. **Food Chem Toxicol** 1984 Jul;22(7):509-20

Evaluation of the teratogenic potential of the oxidative dyes 6-chloro-4-nitro-2-aminophenol and o-chloro-p-phenylenediamine. Picciano JC, et al. **Food Chem Toxicol** 1984 Feb;22(2):147-9

A teratogenicity study of Phloxine B in ICR mice. Seno M, et al. **Food Chem Toxicol** 1984 Jan;22(1):55-60

Fish and amphibian embryos--a model system for evaluating teratogenicity. Birge WJ, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):237-42

Model systems and their predictive value in assessing teratogens. Hill R. **Fundam Appl Toxicol** 1983 Jul-Aug; 3(4):229-32

Reproduction/teratology. Hoar RM. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S335-40

An artificial 'embryo' for detection of abnormal developmental biology. Johnson EM, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):243-9

The embryo-fetal toxicity and teratogenic potential of ammonium perfluorooctanoate (APFO) in the rat. Staples RE, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):429-40

Use of the cricket embryo (Acheta domesticus) as an invertebrate teratology model. Walton BT. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):233-6

Evaluation of teratogenic potential of a combination of norethisterone and ethinyl estradiol in rats. Joshi NJ, et al. **Indian J Exp Biol** 1983 Nov;21(11):591-6

Teratogens in plants. Keeler RF. **J Anim Sci** 1984 Apr; 58(4):1029-39 (59 ref.)

Dimethoxyethylphthalate metabolism: teratogenicity of the diester and its metabolites in the pregnant rat. Campbell J, et al. **J Appl Toxicol** 1984 Feb;4(1):35-41

Reproductive toxicity and teratology evaluations of naltrexone. Christian MS. **J Clin Psychiatry** 1984 Sep;45(9 Pt 2):7-10

Immediate and delayed effects of vincristine administered during early postimplantation stages of murine embryogenesis. Wan YJ, et al. **J Exp Zool** 1983 Jul; 227(1):49-55

Limb deformity induced in chick embryo by hydroxyurea. Iwama M, et al. **J Pharmacobiodyn** 1983 Nov;6(11):836-43

Effects of various exposure levels of 2-phenylethanol on fetal development and survival in Long-Evans rats. Mankes RF, et al. **J Toxicol Environ Health** 1983 Aug-Sep; 12(2-3):235-44

Amelioration of embryotoxicity by structural modification of the terminal group of cancer chemopreventive retinoids. Willhite CC, et al. **JNCI** 1984 Mar;72(3):689-95

Debendox withdrawn [letter] McBride WG. **Med J Aust** 1984 Mar 31;140(7):445

Experimental embryology and teratology--its relevance for medical practice. Sandor S. **Morphol Embryol (Bucur)** 1984 Apr-Jun;30(2):109-16

DNA damage and repair in embryonic mouse limbs exposed to teratogenic doses of methylnitrosourea. Loch-Caruso R, et al. **Mutat Res** 1984 Mar-Apr;131(3-4):147-55

Evaluation of Propineb, a dithiocarbamate pesticide, in the mouse-sperm morphology assay. Quinto I, et al. **Mutat Res** 1983 Dec;124(3-4):235-40

Biological actions and interactions of tetrachloroethylene. Reichert D. **Mutat Res** 1983 Dec;123(3):411-29 (135 ref.)

Screening drugs for effects on sexual differentiation. Kenyon P, et al. **Neurobehav Toxicol Teratol** 1984 Jan-Feb;6(1):1-2

Opioids and development: a perspective on experimental models and methods. Lichtblau L, et al.

Neurobehav Toxicol Teratol 1984 Jan–Feb;6(1):3–8
Quantitative measures of mature neuronal morphology after in utero ethanol exposure. Pentney RJ, et al.
Neurobehav Toxicol Teratol 1984 Jan–Feb;6(1):59–65
Practical aspects of conducting reproductive epidemiology studies within industry. Carlo GL, et al.
Prog Clin Biol Res 1984;160:49–65
Genetic toxicology—relevant studies with animals and humans. Legator MS, et al. **Prog Clin Biol Res** 1984; 160:491–525 (65 ref.)
Adverse reproductive outcome: viewpoint of a worker advocate. Rudolph L. **Prog Clin Biol Res** 1984;160:163–7
Physiological and environmental determinants of phenytoin teratogenicity: relation to glutathione homeostasis, and potentiation by acetaminophen. Wells PG.
Prog Clin Biol Res 1983;135:367–71
Teratogenic effect of extended administration of N–nitrosoethylurea and ethylurea/nitrite in rats. Dreosti IE, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):265–81
Chemicals which cause birth defects—teratogens: a special concern of research chemists. Meyers VK.
Sci Total Environ 1983 Dec 15;32(1):1–12
Benzoquinolinediones: activity as insect teratogens. Walton BT, et al. **Science** 1983 Oct 28;222(4622):422–3
Male–transmitted developmental and neurobehavioral deficits. Adams PM, et al.
Teratogenesis Carcinog Mutagen 1984;4(1):149–69
Contribution of mesenchymal cell death and mitotic alteration to asymmetric limb malformations induced by MNNG. Manson JM, et al.
Teratogenesis Carcinog Mutagen 1983;3(4):335–53
A framework for reproductive risk assessment and surveillance. Omenn GS.
Teratogenesis Carcinog Mutagen 1984;4(1):1–14
Genotoxicity and teratogenicity of diphenyl and diphenyl ether: a study of sea urchins, yeast, and Salmonella typhimurium. Pagano G, et al.
Teratogenesis Carcinog Mutagen 1983;3(4):377–93
Two–phase teratology study with the synthetic prostaglandin ONO–802 given intravaginally to rats. Petrere JA, et al.
Teratogenesis Carcinog Mutagen 1984;4(2):233–43
Teratology study with the synthetic prostaglandin ONO–802 given intravaginally to rabbits. Petrere JA, et al.
Teratogenesis Carcinog Mutagen 1984;4(2):225–31
The effect of cyproheptadine chlorhydrate on rat embryonic development. Rodríguez González MD, et al.
Teratogenesis Carcinog Mutagen 1983;3(5):439–46
The role of surveillance in monitoring reproductive health. Rosenberg MJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):15–24
Comparative teratogenicity of triamcinolone acetonide, triamcinolone, and cortisol in the rat. Rowland JM, et al.
Teratogenesis Carcinog Mutagen 1983;3(4):313–9
Teratogenesis after acute alcohol exposure in cultured rat embryos. Wynter JM, et al.
Teratogenesis Carcinog Mutagen 1983;3(5):421–8
Assessment of adult skeletons to detect prenatal exposure to acetazolamide in mice. Beck SL. **Teratology** 1983 Aug; 28(1):45–66
Cardiovascular malformations associated with administration of prenalterol to young chick embryos. Bruyere HJ Jr, et al. **Teratology** 1983 Aug;28(1):75–82
Forebrain damage in chick embryos exposed to carbon monoxide. Daughtrey WC, et al. **Teratology** 1983 Aug; 28(1):83–9
Potentiating effects of caffeine on teratogenicity of alkylating agents in mice. Fujii T, et al. **Teratology** 1983 Aug; 28(1):29–33
Drug–induced copper deficiency: a model for copper deficiency teratogenicity [letter] Keen CL, et al.
Teratology 1983 Aug;28(1):155–6
Reduction of catecholamine–induced cardiovascular malformations in the chick embryo with metoprolol. Kuhlmann RS, et al. **Teratology** 1983 Aug;28(1):9–14
Craniofacial and central nervous system malformations induced by triamcinolone acetonide in nonhuman primates: II. Craniofacial pathogenesis. Parker RM, et al.
Teratology 1983 Aug;28(1):35–44
Ultrastructure of trypan blue induced ocular defects: I. Retina and lens. Schmidt KL, et al. **Teratology** 1983 Aug; 28(1):131–44
Differential response of heterozygous curly–tail mouse embryos to vitamin A teratogenesis depending on maternal genotype. Seller MJ, et al. **Teratology** 1983 Aug;28(1):123–9
Ultrastructure of initial nasal process cell fusion in spontaneous and 6–aminonicotinamide–induced mouse embryo cleft lip. Trasler DG, et al. **Teratology** 1983 Aug; 28(1):91–101
Effect of phenytoin on maternal heart rate in A/J mice: possible role in teratogenesis. Watkinson WP, et al.
Teratology 1983 Aug;28(1):1–8
Involvement of GABA in palate morphogenesis and its relation to diazepam teratogenesis in two mouse strains. Wee EL, et al. **Teratology** 1983 Aug;28(1):15–22
Neurotoxic and teratogenic effects of an organophosphorus insecticide (phenyl phosphonothioic acid–O–ethyl–O–[4–nitrophenyl] ester) on mallard development. Hoffman DJ, et al.
Toxicol Appl Pharmacol 1984 Apr;73(2):284–94
Vomitoxin (4–deoxynivalenol): effects on reproduction of mice and rats. Khera KS, et al.
Toxicol Appl Pharmacol 1984 Jul;74(3):345–56
Teratogenicity of nitrofen (2,4–dichloro–4'–nitrodiphenyl ether) and its effects on thyroid function in the rat. Manson JM, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):323–35
Structure–activity relationships of retinoids in developmental toxicology. I. Studies on the nature of the polar terminus of the vitamin A molecule. Willhite CC, et al.
Toxicol Appl Pharmacol 1984 Jul;74(3):397–410
Teratogenicity of TCDD and the congener 3,3',4,4'–tetrachloroazoxybenzene in sensitive and nonsensitive mouse strains after reciprocal blastocyst transfer. D'Argy R, et al. **Toxicol Lett** 1984 May; 21(2):197–202
Notochordal anomaly in frog embryos exposed to tetraethylthiuram monosulphide and tetraethylthiuram disulphide. Ghate HV. **Toxicol Lett** 1983 Dec;19(3):253–9
The transplacental effects of ethanol and metronidazole in Swiss Webster mice. Giknis ML, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):37–42
Toxic and teratogenic effects of fenitrothion, BHC and carbofuran on embryonic development of the frog Microhyla ornata. Pawar KR, et al. **Toxicol Lett** 1984 Jul; 22(1):7–13
Teratogenicity of 2.3.7.8–tetrachlorodibenzofuran (TCDF) in mice. Weber H, et al. **Toxicol Lett** 1984 Feb;20(2):183–8
The effects of low dosages of trichloroethylene on chick development. Bross G, et al. **Toxicology** 1983 Nov; 28(4):283–94
Further development of rodent whole embryo culture: solvent toxicity and water insoluble compound delivery system. Kitchin KT, et al. **Toxicology** 1984 Feb 14; 30(1):45–57
The toxicology of chemical interactions during pregnancy in the mouse: caffeine and phenytoin. Skalko RG, et al. **Toxicology** 1984 Feb 14;30(1):7–16
[List of factors with mutagenic and teratogenic effects on the fetus (drugs, chemical substances, ionizing radiation)] Kotásek A, et al. **Cesk Gynekol** 1983 Jul;48(6):453–6 **(Cze)**
[Comparative studies on the embryotoxicity of 2–methyl–4–chlorophenoxyacetic acid, mecoprop and dichlorprop in NMRI mice] Roll R, et al.
Arzneimittelforsch 1983;33(10):1479–83 (Eng. Abstr.) **(Ger)**
[Environmental and occupational factors in the development of congenital malformations] Marcickiewicz J, et al.
Probl Med Wieku Rozwoj 1983;12:190–202 (Eng. Abstr.) **(Pol)**
[Teratogenic effect of thiophosphamide on mice of different genotypes] Korogodina IuV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):331–2 (Eng. Abstr.) **(Rus)**
[Potential hazardousness of the embryotoxic action of the herbicide betanal (experimental data)] Medved' IL.
Gig Sanit 1984 Apr;(4):16–8 (Eng. Abstr.) **(Rus)**
[Long–term effects of aromatic amines and products of their transformation in water on the body] Shtannikov EV, et al. **Gig Sanit** 1983 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Direct fetal injections of diethylstilbestrol and 17 beta–estradiol: a method for investigating their teratogenicity. Henry EC, et al. **Teratology** 1984 Apr; 29(2):297–304
Sensitive stages and dose–response analyses of palatal slit and cleft palate in C57BL/6 mice treated with a glucocorticoid. Kusanagi T. **Teratology** 1984 Apr;29(2):281–6

ADVERSE EFFECTS

Abnormal functional development of the heart, lungs, and kidneys. Approaches to functional teratology. Proceedings of a conference, Asheville, North Carolina, May 11–13, 1983. **Prog Clin Biol Res** 1983;140:1–387
Teratology: information useful in advising health personnel and at–risk individuals. Shepard TH.
Prog Clin Biol Res 1983;135:343–9

ANTAGONISTS & INHIBITORS

Inhibition of ochratoxin A teratogenesis by zearalenone and diethylstilboestrol. Arora RG, et al. **Food Chem Toxicol** 1983 Dec;21(6):779–83
Evaluation of the effect of BAL (2,3–dimercaptopropanol) on arsenite–induced teratogenesis in mice. Hood RD, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):1–7

METABOLISM

Teratogen metabolism: activation of thalidomide and thalidomide analogues to products that inhibit the attachment of cells to concanavalin A coated plastic surfaces. Braun AG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1471–7
Distribution and elimination of hexachlorocyclopentadiene in rats and mice. Dorough HW, et al.
Drug Chem Toxicol 1984;7(1):73–89
Correlating pharmacokinetics and teratogenic endpoints. Kimmel CA, et al. **Fundam Appl Toxicol** 1983 Jul–Aug; 3(4):250–5

PHARMACODYNAMICS

Environmental toxins and behavioral development. A new role for psychological research. Fein GG, et al.
Am Psychol 1983 Nov;38(11):1188–97
Mechanisms of teratogenesis. Beckman DA, et al.
Annu Rev Pharmacol Toxicol 1984;24:483–500 (123 ref.)
Teratogens: an update. Shepard TH. **Hosp Pract [Off]** 1984 Jan;19(1):191–3, 196–200
A critical view of the utility of positive controls in a test battery. Tachibana T. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):155–9
Teratogenic effect of AY 9944 in rats: importance of the day of administration and maternal plasma cholesterol level. Barbu V, et al. **Proc Soc Exp Biol Med** 1984 May; 176(1):54–9
Inhibition of metabolic cooperation between Chinese hamster V79 cells by structurally diverse teratogens. Welsch F, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):285–301
A short–term screening test for teratogens using differentiating neuroblastoma cells in vitro. Mummery CL, et al. **Teratology** 1984 Apr;29(2):271–9
Teratogenesis study of o–toluenediamine in rats and rabbits. Becci PJ, et al. **Toxicol Appl Pharmacol** 1983 Dec; 71(3):323–9
Enhancement effects of barbital on the teratogenicity of aminopyrine. Nomura T, et al. **Toxicology** 1984 Feb; 29(4):281–91

THERAPEUTIC USE

Deferoxamine treatment of acute iron intoxication in pregnancy. Blanc P, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):12S–14S

TOXICITY

Induction of lymphorecticular neoplasia and malformations by prenatal treatment with 1,3–di(4–sulfamoylphenyl)–triazene in mice. Nomura T, et al. **Carcinogenesis** 1984 May;5(5):571–5
Differential structural effects of three behavioral teratogens. Rodier PM. **Dev Toxicol Environ Sci** 1983;11:53–60
Use of the New Zealand white rabbit in teratology: incidence of spontaneous and drug–induced malformations. Stadler J, et al. **Food Chem Toxicol** 1983 Oct;21(5):631–6
Potentiation of teratogenesis. Ritter EJ.
Fundam Appl Toxicol 1984 Jun;4(3 Pt 1):352–9
Differentation of rat embryo cells in culture: response following acute maternal exposure to teratogens and non–teratogens. Flint OP, et al. **J Appl Toxicol** 1984 Apr; 4(2):109–16
Teratogenic assessment of three methylated hydrazine derivatives in the rat. Keller WC, et al.
J Toxicol Environ Health 1984;13(1):125–31
N–nitrosophenacetin: its synthesis, characterization, mutagenicity, and teratogenicity. Lin JK, et al. **JNCI** 1984 Apr;72(4):863–9
Behavioral teratogenicity testing as a method of screening for hazards to human health: a methodological proposal. Vorhees CV. **Neurobehav Toxicol Teratol** 1983 Jul–Aug; 5(4):469–74
Use of whole embryo culture for evaluating toxicity and teratogenicity. Sadler TW, et al. **Pharmacol Rev** 1984 Jun; 36(2 Suppl):145S–150S (34 ref.)
Teratogens induce a subset of small heat shock proteins in Drosophila primary embryonic cell cultures. Buzin CH, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4075–9
Cloning genes that encode drug–metabolizing enzymes: developmental pharmacology and teratology. Nebert DW, et al. **Prog Clin Biol Res** 1983;135:61–79 (48 ref.)
Teratology testing: I. Development and status of short–term prescreens. II. Biotransformation of teratogens as studied in whole embryo culture. Shepard TH, et al.
Prog Clin Biol Res 1983;135:147–64 (58 ref.)
A selection of candidate compounds for in vitro teratogenesis test validation. Smith MK, et al.
Teratogenesis Carcinog Mutagen 1983;3(6):461–80
Fresh visceral examination of rat and rabbit fetuses used in teratogenicity testing. Stuckhardt JL, et al.
Teratogenesis Carcinog Mutagen 1984;4(2):181–8
Detection of teratogens in the Drosophila embryonic cell culture test: assay of 100 chemicals. Bournias–Vardiabasis N, et al. **Teratology** 1983 Aug;28(1):109–22
Determination of the proximate teratogen of the mouse fetal alcohol syndrome. 1. Teratogenicity of ethanol and acetaldehyde. Blakley PM, et al.
Toxicol Appl Pharmacol 1984 Feb;72(2):355–63
The effects of dexamethasone on palate mesenchymal cell phospholipase activity. Bulleit RF, et al.
Toxicol Appl Pharmacol 1984 Sep 15;75(2):246–57
Role of acrolein in cyclophosphamide teratogenicity in rat embryos in vitro. Mirkes PE, et al.
Toxicol Appl Pharmacol 1984 Feb;72(2):281–91
Estimation of creatine kinase isoenzymes: the effects of caffeine and retinoic acid on CK levels in fetal mouse limbs. Kwasigroch TE, et al. **Toxicol Lett** 1984 Jun;21(3):339–47
A comparison of the in vivo and in vitro response of mammalian embryos to a teratogenic insult. Warner CW, et al. **Toxicology** 1983 Nov;28(4):271–82
[Dosage choice for studying the embryotoxic and teratogenic action of chemical substances for setting their permissible levels in reservoir water] Leonskaia GI. **Vrach Delo** 1984 Feb;(2):103–6 (Eng. Abstr.) **(Rus)**

TERATOID TUMOR see **TERATOMA**

TERATOMA

Intracranial embryonal cell carcinoma. Packer RJ, et al. **Cancer** 1984 Aug 1;54(3):520–4

Testicular teratoma [letter] Jones WG, et al. **J R Army Med Corps** 1983 Jun;129(2):121–2

ANALYSIS

Alpha-fetoprotein subfractions in germ cell tumors identified by Con A or LCH crossed-line affinity immunoelectrophoresis. Ishiguro T, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):102–5

The prevalence and prognostic significance of trophoblastic proteins in testicular teratoma. Masters JR, et al. **Diagn Histopathol** 1983 Jul–Dec;6(3–4):247–52

Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplantation embryos and reacts with specific adult tissues. Vestweber D, et al. **Exp Cell Res** 1984 May;152(1):169–78

Immunocytochemical localization of neuroendocrine hormones and oncofetal antigens in ovarian teratomas. Calame J, et al. **Int J Gynecol Pathol** 1984;3(1):92–100

Glycoprotein-bound large carbohydrates of early embryonic cells: structural characteristic of the glycan isolated from F9 embryonal carcinoma cells. Muramatsu H, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):799–810

[Importance of the intracellular detection of alpha-fetoprotein and beta-human chorionic gonadotropin in a testicular tumor using immunoperoxidase] Schwarz HP, et al. **Wien Klin Wochenschr** 1984 Mar 16;96(6):230–4 (Eng. Abstr.) **(Ger)**

[Case of teratoma with intraventricular free fat] Miura N, et al. **No Shinkei Geka** 1983 Nov;11(11):1179–83 (Eng. Abstr.) **(Jpn)**

BLOOD

[Postoperative serum AFP in patients with yolk sac tumor and solid teratoma of the ovary] Ishiguro T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2017–21 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Maternal diethylstilboestrol and ovarian malignancy in offspring [letter] Lazarus KH. **Lancet** 1984 Jan 7;1(8367):53

COMPLICATIONS

Teratoma of the lung in a hemophilic patient. Berghout A, et al. **Acta Haematol (Basel)** 1983;70(5):330–4

Two-dimensional echocardiographic diagnosis of acquired right ventricular outflow obstruction due to external cardiac compression. Hsiung MC, et al. **Am J Cardiol** 1984 Mar 15;53(7):973–4

Thrombocytopenia and extragonadal germ-cell neoplasm [letter] Helman LJ, et al. **Ann Intern Med** 1984 Aug; 101(2):280

Situs inversus totalis with embryonal cell carcinoma of ovaries. Ibrahim EM, et al. **Gynecol Oncol** 1984 Jun; 18(2):270–3

Possible association between cryptorchidism and testicular adenomatoid tumor [letter] Bar-Moshe O, et al. **J Urol** 1984 Mar;131(3):559

Systemic-pulmonary shunting and hemoptysis in a benign intrathoracic teratoma. Hayden CK Jr, et al. **Pediatr Radiol** 1984;14(1):52–4

CONGENITAL

Mid-trimester acute polyhydramnios and fetal sacro-coccygeal teratoma. Conaghan CJ, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):41–4

Primary intrarenal teratoma. A case report. Ranadive NU, et al. **Indian J Cancer** 1984 Jan–Feb;20(6):295–8

Congenital teratoma: four cases. Sheridan-Pereira M, et al. **Ir Med J** 1983 Nov;76(11):456–7

Infant survival in the half-delivered state [letter] Fuchs F. **Obstet Gynecol** 1984 Feb;63(2):270

Congenital brain tumors. Wakai S, et al. **Surg Neurol** 1984 Jun;21(6):597–609 (167 ref.)

[An unusual cause of hematemesis in the newborn infant: stomach teratoma. Apropos of a case] Mozziconacci JG, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):321–4 (Eng. Abstr.) **(Fre)**

[An unusual renal tumor, associating nephroblastoma, nephroblastomatosis, teratoma, and cystic dysplasia with arterial hypertension and secretion of alpha-fetoprotein] Roth A. **J Urol (Paris)** 1984;90(1):7–10 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of coccygeal teratoma in placenta hypertrophy] Schwesinger G, et al. **Zentralbl Gynakol** 1983;105(15):993–6 (Eng. Abstr.) **(Ger)**

[Organoid teratoma of the retroperitoneal space in a newborn infant] Doronin VF, et al. **Vestn Khir** 1983 Jul;131(7):113–4 **(Rus)**

[A rare malformation in a girl (fetal inclusion)] Klebanovich VI, et al. **Vestn Khir** 1983 Jul;131(7):110–3 **(Rus)**

[Nephro-urologic complications of presacral teratomas] Suñol MA, et al. **An Esp Pediatr** 1984 Apr 15;20(6):625–30 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Antikeratin antibodies in tumor diagnosis. Distinction between seminoma and embryonal carcinoma. Battifora H, et al. **Cancer** 1984 Sep 1;54(5):843–8

Direct prenatal chromosome diagnosis of a malignancy. Hecht F, et al. **Cancer Genet Cytogenet** 1984 Jan; 11(1):107–11

Use of ultrasound in evaluating the large fetal head. Intracranial teratoma. Gadwood KA, et al. **IMJ** 1983 Sep; 164(3):196–8

Intrapericardial teratoma—a case report. Kirtane J, et al. **Indian J Pediatr** 1983 May–Jun;50(404):333–5

'Red herrings,' adolescents, and testicular tumors. Tellier PP, et al. **J Adolesc Health Care** 1983 Dec;4(4):282–4

Ultrasonic diagnosis of ovarian teratomas. Waldman I, et al. **J Fla Med Assoc** 1983 Dec;70(12):1092–4

Benign tumors of the foramen magnum. Meyer FB, et al. **J Neurosurg** 1984 Jul;61(1):136–42

Antenatal sonographic diagnosis of epignathus. Chervenak FA, et al. **J Ultrasound Med** 1984 May;3(5):235–7

Ultrasonic diagnosis of scrotal contents using newly developed circular compound scanner. Kimura A, et al. **JCU** 1983 Sep;11(7):365–70

Ultrasound case report of hepatic teratoma in newborn. Kraudel K, et al. **JCU** 1984 Feb;12(2):98–101

Normal second-trimester amniotic fluid alphafetoprotein and acetylcholinesterase associated with fetal sacrococcygeal teratoma. Brock DJ, et al. **Prenat Diagn** 1983 Oct; 3(4):343–5

[Pineal tumor with alpha 1 fetoprotein and chorionic gonadotropins in serum and cerebrospinal fluid] Pařízek J, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):293–300 (Eng. Abstr.) **(Cze)**

[Fetus in fetu: report of 2 cases and analysis of the literature] Montupet P, et al. **Chir Pediatr** 1984;25(1):37–42 (Eng. Abstr.) **(Fre)**

[A case of atypical male anorexia nervosa: a tumor in the area of the 3d ventricle] Biebl W, et al. **Nervenarzt** 1984 May;55(5):265–8 **(Ger)**

[Make a diagnosis (sacrococcygeal teratoma)] Singer P, et al. **Padiatr Padol** 1984;19(1):99–102 **(Ger)**

[Early diagnosis of testicular tumor] Scheiber K. **ZFA (Stuttgart)** 1983 Oct 10;59(28):1541–3 **(Ger)**

[A case of testicular tumor with uncommon clinical course: testicular lesion that was initially not palpable led to a wrong diagnosis of huge retroperitoneal hematoma due to trauma] Oki M, et al. **Hinyokika Kiyo** 1984 Jan;30(1):77–80 (Eng. Abstr.) **(Jpn)**

[Studies on the tumor markers in the germinal testicular tumors. Cellular localization of alpha-fetoprotein (AFP), human chorionic gonadotropin (HCG) and carcinoembryonic antigen (CEA) in germinal testicular tumors using an indirect immunoperoxidase method] Miki T. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):503–22 (Eng. Abstr.) **(Jpn)**

[Teratoid tumors in children] Kushch NL, et al. **Klin Khir** 1984 Jun;(6):21–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Acute megakaryocytic leukemia following chemotherapy for a malignant teratoma. Wang SE, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):202–5

Pulmonary blastoma. Case report and literature review of chemotherapy experience. Medbery CA 3d, et al. **Cancer** 1984 Jun 1;53(11):2413–6 (27 ref.)

Continuous infusion versus intermittent bolus injection of bleomycin in a human embryonal testicular cancer xenograft. Osieka R, et al. **Cancer Treat Rep** 1984 May; 68(5):799–801

Retroconversion of malignant immature teratomas of the ovary after chemotherapy. Aronowitz J, et al. **Gynecol Oncol** 1983 Dec;16(3):414–21

Effects of cis-platinum on embryonal carcinoma cell lines in vitro. Oosterhuis JW, et al. **Int J Cancer** 1984 Jul 15; 34(1):133–9

Combination cisplatin, vinblastine, and bleomycin chemotherapy (PVB) for malignant germ-cell tumors of the ovary. Carlson RW, et al. **J Clin Oncol** 1983 Oct; 1(10):645–51

Transient left homonymous hemianopsia and encephalopathy following treatment of testicular carcinoma with cisplatinum, vinblastine, and bleomycin. Cohen RJ, et al. **J Clin Oncol** 1983 Jun;1(6):392–3

High-dose VP-16-213 monotherapy for refractory germinal malignancies: a phase II study. Wolff SN, et al. **J Clin Oncol** 1984 Apr;2(4):271–4

No adjuvant chemotherapy in selected patients with pathologic stage II nonseminomatous germ cell tumors of the testis. Pizzocaro G, et al. **J Urol** 1984 Apr;131(4):677–80

Effective chemotherapy for metastatic malignant sacrococcygeal tumour. Beddis IR, et al. **Med Pediatr Oncol** 1984;12(4):231–2

Therapeutic efficacy of cytotoxic combination chemotherapy in ovarian 'mature' teratoma. Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1658–60

[Limitations of tumor marker surveillance after chemotherapy in advanced non-seminomatous testicular tumors] Behrendt H, et al. **Urol Int** 1983;38(5):307–9 (Eng. Abstr.) **(Ger)**

[Chemotherapy of malignant testicular tumors] Weissbach L, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:310–21 (Eng. Abstr.) **(Ger)**

[Cytostatic treatment of non-seminoma testicular carcinomas] Brockmann B, et al. **Z Arztl Fortbild (Jena)** 1983;77(20):863–6 **(Ger)**

[Bleomycin, vinca alkaloid and cis-diamminedichloroplatinum combination chemotherapy for advanced testicular tumors] Fukui I, et al. **Gan No Rinsho** 1984 May;30(5):487–95 (Eng. Abstr.) **(Jpn)**

[Antitumor activity of cisplatin against malignant brain tumors] Kato K, et al. **Gan To Kagaku Ryoho** 1984 Sep; 11(9):1794–800 (Eng. Abstr.) **(Jpn)**

[Combined chemotherapy with cisplatin and bleomycin for malignant tumor of the chest] Saitoh Y. **Gan To Kagaku Ryoho** 1984 Feb;11(2):295–300 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with bleomycin, vincristine and methotrexate for stage I non-seminomatous germ cell testicular tumors] Fukui I, et al. **Hinyokika Kiyo** 1983 Feb; 29(2):191–8 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of immature ovarian teratomas] Sablińska B. **Ginekol Pol** 1983 Oct;54(10):641–7 (Eng. Abstr.) **(Pol)**

[Study of various markers (alpha fetoprotein, chorionic gonadotropin, lactate dehydrogenase) during chemotherapy of malignant testicular tumors] Lichinitser MR, et al. **Ter Arkh** 1984;56(6):77–9 **(Rus)**

[Use of prolonged intravenous infusions of cisplatin in patients with malignant neoplasms] Tiuliadin SA. **Vopr Onkol** 1983;29(12):40–4 (Eng. Abstr.) **(Rus)**

[Delayed platinum diamminodichloride toxicity in patients with germ tumors of the gonads] Germà Lluch JR, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):442–5 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

The cancer cell and its control by the embryo. Rous-Whipple Award lecture. Pierce GB. **Am J Pathol** 1983 Oct; 113(1):117–24

A histochemical and immunohistological study of a testicular malignant teratoma containing embryonic and extraembryonic elements in various stages of development. Shousha S, et al. **Histopathology** 1984 Jan;8(1):125–34

Ovarian fetiform teratoma (homunculus) in a 9-year-old girl. Abbott TM, et al. **Int J Gynecol Pathol** 1984;2(4):392–402

Cardiomyogenic differentiation and teratocarcinoma formation in EC-derived chimaeric placentae. Ilgren EB. **Placenta** 1983 Oct–Dec;4(4):415–21

[Carbohydrate antigens in teratocarcinomas and early embryos] Ozawa M, et al. **Seikagaku** 1984 Jan;56(1):1–18 (130 ref.) **(Jpn)**

ENZYMOLOGY

Plasmin regulating system from embryonal carcinoma F9 cells: plasminases A, B and embrinogen. Keil-Dlouha V, et al. **Biochem Biophys Res Commun** 1984 Mar 15; 119(2):758–66

An immunohistological study of testicular germ cell tumours using two different monoclonal antibodies against placental alkaline phosphatase. Epenetos AA, et al. **Br J Cancer** 1984 Jan;49(1):11–5

A fucosyltransferase in teratocarcinoma stem cells. Decreased activity accompanying differentiation to parietal endoderm cells. Muramatsu H, et al. **FEBS Lett** 1983 Nov 14;163(2):181–4

Increase in cell-surface N-acetylglucosaminide beta (1——4)galactosyltransferase activity with retinoic acid-induced differentiation of F9 embryonal carcinoma cells. Nakhasi HL, et al. **FEBS Lett** 1984 Mar 26; 168(2):222–6

High frequency 'switching' at the adenine phosphoribosyltransferase locus in multipotent mouse teratocarcinoma stem cells. Turker MS, et al. **Somatic Cell Mol Genet** 1984 Jan;10(1):55–69

ETIOLOGY

Malignant degeneration in cryptorchid testes. A report of two cases. Mortensen J, et al. **Andrologia** 1983 Nov–Dec; 15(6):709–12

Teratoma of the testis in the prune belly syndrome. Woodhouse CR, et al. **Br J Urol** 1983 Oct;55(5):580–1

[Important roles of oocytes, follicles and corpora lutea in ovarian teratocarcino-genesis in mice] Noguchi M. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):662–9 (Eng. Abstr.) **(Jpn)**

[Five cases of malignancy in the cryptorchid testicles] Sato N, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1525–30 (Eng. Abstr.) **(Jpn)**

[An experimental induction of teratomatous tumor in rats] Inoue T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1071–9 (Eng. Abstr.) **(Jpn)**

[Experimental induction of teratoma in rats] Natsuaki Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Oct; 35(10):1783–90 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

i(12p): specific chromosomal marker in seminoma and malignant teratoma of the testis? Atkin NB, et al. **Cancer Genet Cytogenet** 1983 Oct;10(2):199–204

Characterization of human transforming genes from chemically transformed, teratocarcinoma, and pancreatic carcinoma cell lines. Cooper CS, et al. **Cancer Res** 1984 Jan;44(1):1–10

DNA fragments from F9 PyEC mutants increase expression of heterologous genes in transfected F9 cells. Linney E, et al. **Cell** 1983 Dec;35(3 Pt 2):693–9
Reversal of X-inactivation in female mouse somatic cells hybridized with murine teratocarcinoma stem cells in vitro. Takagi N, et al. **Cell** 1983 Oct;34(3):1053–62
Gene expression in flow sorted mouse teratocarcinoma X human fibroblast heterokaryons. Schaap GH, et al. **Differentiation** 1984;26(2):127–33
Human–mouse hybrids with an embryonal carcinoma phenotype continue to transcribe HLA-A,B,C. Benham FJ, et al. **EMBO J** 1983;2(11):1963–8
Structure and expression of the mouse beta 2-microglobulin gene isolated from somatic and non-expressing teratocarcinoma cells. Daniel F, et al. **EMBO J** 1983; 2(7):1061–5
The X linked recessive form of XY gonadal dysgenesis with a high incidence of gonadal germ cell tumours: clinical and genetic studies. Mann JR, et al. **J Med Genet** 1983 Aug;20(4):264–70
The origin of ovarian teratomas. Parrington JM, et al. **J Med Genet** 1984 Feb;21(1):4–12
Malignant teratoma of the testis with an isochromosome no. 12, i(12p), as the sole structural cytogenetic abnormality. Gibas Z, et al. **J Urol** 1984 Apr;131(4):762–3
Lack of retrovirus gene expression in somatic cell hybrids of friend cells and teratocarcinoma cells with a teratocarcinoma phenotype. Asche W, et al. **Mol Cell Biol** 1984 May;4(5):923–30
Altered expression of heat shock proteins in embryonal carcinoma and mouse early embryonic cells. Morange M, et al. **Mol Cell Biol** 1984 Apr;4(4):730–5
Tissue-specific activation of a cloned alpha-fetoprotein gene during differentiation of a transfected embryonal carcinoma cell line. Scott RW, et al. **Nature** 1984 Aug 16–22; 310(5978):562–7
An activated rasN gene: detected in late but not early passage human PA1 teratocarcinoma cells. Tainsky MA, et al. **Science** 1984 Aug 10;225(4662):643–5
Father-son testicular (teratocarcinoma) malignancy. Klein FA, et al. **Urology** 1983 Sep;22(3):281–3

IMMUNOLOGY

Immunohistochemical studies of ovarian and testicular teratomas with antiserum to glial fibrillary acidic protein. Haugen OA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):9–14
Human teratomas express differentiated neural antigens. An immunohistochemical study with anti-neurofilament, anti-glial filament, and anti-myelin basic protein monoclonal antibodies. Trojanowski JQ, et al. **Am J Pathol** 1984 Jun;115(3):383–9
High-molecular-weight glycoproteins are the major carriers of the carbohydrate differentiation antigens I, i and SSEA-1 of mouse teratocarcinoma cells. Childs RA, et al. **Biochem J** 1983 Dec 1;215(3):491–503
Differentiation antigens of teratomas and embryos. Stern PL. **Br Med Bull** 1984 Jul;40(3):218–23 (62 ref.)
Immunohistochemical localization of two monoclonal antibody-defined carbohydrate antigens during early murine embryogenesis. Fenderson BA, et al. **Dev Biol** 1983 Dec;100(2):318–27
Isolation and characterization of an embryonal carcinoma cell line lacking SSEA-1 antigen. Rosenstraus MJ. **Dev Biol** 1983 Oct;99(2):318–23
The glycosidic antigen recognised by a novel monoclonal antibody, 75.12, is developmentally regulated on mouse embryonal carcinoma cells. Blaineau C, et al. **EMBO J** 1983;2(12):2217–22
Stage-specific embryonic antigens (SSEA-3 and -4) are epitopes of a unique globo-series ganglioside isolated from human teratocarcinoma cells. Kannagi R, et al. **EMBO J** 1983;2(12):2355–61
Non-seminomatous germ cell tumors of the testis. Analysis of CEA production in primary tumors and in retroperitoneal lymph node metastases after PVB chemotherapy. Suurmeijer AJ, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):601–8
Expression of embryonic and MHC antigens in heterokaryons of murine embryonal carcinoma and human melanoma cells. den Boer WC, et al. **Exp Cell Res** 1984 Sep; 154(1):25–37
Induction of autoimmune damage to spermatogenesis in guinea pigs by passive transfer of anti-F9 mouse teratocarcinoma stem cell serum fraction. Pokorná Z, et al. **Folia Biol (Praha)** 1984;30(1):50–6
Two monoclonal antibodies recognizing determinants on human embryonal carcinoma cells react specifically with the liver isozyme of human alkaline phosphatase. Andrews PW, et al. **Hybridoma** 1984;3(1):33–9
Male-specific transplantation antigen expression by XY teratocarcinomas PCC7 and 7'. Johnson LL, et al. **Immunogenetics** 1984;19(3):233–41
Overt expression of H-2 serotypes on EC cells is not necessary for host rejection. Maher LJ 3d, et al. **Immunogenetics** 1984;19(4):343–7
Resistance to murine 402AX teratocarcinoma: regulation by H-2IA and H-3 to H-13 region genes. Ostrand-Rosenberg S, et al. **Immunogenetics** 1984;19(1):77–82
Enrichment of rat NK cytotoxicity for H2-negative murine embryonal carcinoma cells by panning and short-term culture in TCGF. Bell SM, et al. **Immunology** 1984 Sep; 53(1):23–32
Antisperm antibodies in mouse vasectomy sera react with embryonal teratocarcinoma. Anderson DJ, et al. **J Immunol** 1983 Dec;131(6):2908–12
Tumor radioimmunolocation: differential antibody retention by antigenic normal tissue and tumor. Ballou B, et al. **J Immunol** 1984 Apr;132(4):2111–6
Syngeneic antiserum to Nulli SCC1 embryonal carcinoma cells recognizing surface antigens of embryonic cells. Hahnel AC, et al. **J Reprod Immunol** 1983 Nov;5(6):371–82
Adenomatoid tumor: immunohistochemical demonstration of epithelial membrane antigen (E.M.A.). Bonetti F, et al. **Pathologica** 1984 Jan–Feb;76(1041):15–9
Use of immunologic markers in obscure hematologic disease. Miller CH, et al. **West J Med** 1983 Oct;139(4):475–9

METABOLISM

Leydig cell hyperplasia due to a testicular embryonal carcinoma producing human chorionic gonadotropin. Asa SL, et al. **Andrologia** 1984 Mar–Apr;16(2):146–55
Multiple heparan sulfate proteoglycans synthesized by a basement membrane producing murine embryonal carcinoma cell line. Lowe-Krentz LJ, et al. **Biochemistry** 1983 Sep 13;22(19):4412–9
Intracellular localization of the radioactive galactose incorporated into embryonal carcinoma cells. Kawamoto Y, et al. **Cell Struct Funct** 1983 Mar;8(1):85–7
Changes in proteoglycan composition of F9 teratocarcinoma cells upon differentiation. Kapoor R, et al. **Eur J Biochem** 1983 Dec 15;137(3):589–95
Steroid metabolism in human teratocarcinoma cell line PA 1. Antila E, et al. **J Steroid Biochem** 1983 Nov; 19(5):1583–90
Expression of laminin and fibronectin in endodermal and neural differentiation of F9 embryonal carcinoma cells. Wartiovaara J, et al. **Prog Clin Biol Res** 1984;151:233–47
[Hormonal balance characteristics of patients with malignant testicular tumors in relation to the histological type of tumor] Tiutiunova AM, et al. **Vopr Onkol** 1984;30(2):58–64 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation and characterization of polyoma virus mutants which grow in murine embryonal carcinoma and trophoblast cells. Tanaka K, et al. **EMBO J** 1982; 1(12):1521–7
Structural organization of unique retrovirus-like particles budding from human teratocarcinoma cell lines. Boller K, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2549–59
Production of virions with retrovirus morphology by human embryonal carcinoma cells in vitro. Bronson DL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1043–51
Human teratocarcinomas cultured in vitro produce unique retrovirus-like viruses. Löwer R, et al. **J Gen Virol** 1984 May;65 (Pt 5):887–98
Non-function of a Moloney murine leukaemia virus regulatory sequence in F9 embryonal carcinoma cells. Linney E, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):470–2
Cytomegalovirus replicates in differentiated but not in undifferentiated human embryonal carcinoma cells. Gönczöl E, et al. **Science** 1984 Apr 13;224(4645):159–61

OCCURRENCE

A possible rising incidence of malignant germ cell tumours in young women. Walker AH, et al. **Br J Cancer** 1984 May;49(5):669–72
Morphology and incidence of testicular tumors in western Austria (1945–1980). Mikuz G, et al. **Zentralbl Allg Pathol** 1984;129(2):91–100
[A review of the cases of testicular tumors reported in the Annual of Pathological Autopsy Cases in Japan] Kiriyama T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):155–68 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Eosinophilic pleural effusion with Charcot-Leyden crystals. Krishnan S, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct; 27(5):529–32
Maturation in metastatic testicular teratomas presumably induced by chemotherapy and radiation treatment. Motlik K, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(1–2):89–102
Testicular yolk sac and embryonal carcinomas in pediatric patients: comparative immunohistochemical and clinicopathologic study. Wold LE, et al. **Am J Clin Pathol** 1984 Apr;81(4):427–35
Diffuse embryoma of the testis. A distinctive form of mixed germ cell tumor. Cardoso de Almeida PC, et al. **Am J Surg Pathol** 1983 Oct;7(7):633–42
Factors acting upon differentiation of mouse teratoma in vivo: spontaneous differentiation and effects of interferon. Rimbaut C, et al. **Ann NY Acad Sci** 1983;417:277–87
Pancreatic tissue in teratoma. Suda K, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):835–7
Changes in pattern and accessibility for 125I-labelling of cell-surface proteins after mesenchymal differentiation of embryonal carcinoma cells. Keil-Dlouha V, et al. **Biochim Biophys Acta** 1983 Oct 12;734(2):249–56
Semen analysis in testicular cancer and Hodgkin's disease: pre- and post-treatment findings and implications for cryopreservation. Hendry WF, et al. **Br J Urol** 1983 Dec; 55(6):769–73
Metastatic neuroblastoma arising in an ovarian teratoma with long-term survival. Case report and review of the literature. Block M, et al. **Cancer** 1984 Aug 1;54(3):590–5
Teratocarcinosarcoma (malignant teratoma?) of the nasal cavity and paranasal sinuses A clinicopathologic study of 20 cases. Heffner DK, et al. **Cancer** 1984 May 15; 53(10):2140–54
Alpha-fetoprotein and human chorionic gonadotropin in embryonal carcinoma of the ovary. An 8-year survival case. Nakakuma K, et al. **Cancer** 1983 Oct 15;52(8):1470–2
Teratoid Wilms' tumor. Variend S, et al. **Cancer** 1984 May 1;53(9):1936–42
Retroviruses and mouse embryos: a model system in which to study gene expression in development and differentiation. Jaenisch R. **Ciba Found Symp** 1983;98:44–62
Retinoic acid induces neuronal differentiation of a cloned human embryonal carcinoma cell line in vitro. Andrews PW. **Dev Biol** 1984 Jun;103(2):285–93
Calcium-induced compaction and its inhibition in embryonal carcinoma cell aggregates. Kartha S, et al. **Dev Biol** 1983 Nov;100(1):172–80
Malignant astrocytoma in an immature (malignant) ovarian teratoma. Elesha SO. **East Afr Med J** 1983 Jul;60(7):501–5
Sebaceous carcinoma arising in benign cystic teratoma of the ovary. Case report. Betta PG, et al. **Eur J Gynaecol Oncol** 1984;5(2):146–9
Struma ovarii. Observations on three cases. Urbano U, et al. **Eur J Gynaecol Oncol** 1984;5(2):113–8
A factor produced by feeder cells which inhibits embryonal carcinoma cell differentiation. Characterization and partial purification. Koopman P, et al. **Exp Cell Res** 1984 Sep; 154(1):233–42
Embryoid bodies cultured in in vivo diffusion chambers show reduced tumorigenicity while retaining expression of F9 antigens. Nomura T, et al. **Exp Cell Res** 1984 Aug; 153(2):506–14
Fibroblast feeder layers inhibit differentiation of retinoic acid-treated embryonal carcinoma cells by increasing the probability of stem cell renewal. Rosenstraus MJ, et al. **Exp Cell Res** 1984 Jun;152(2):378–89
Transformation of teratocarcinoma stem cells and fibroblasts with various vectors containing the Eco.gpt gene as a selection marker. Thillet J, et al. **Exp Cell Res** 1984 Apr; 151(2):494–501
Developmental characteristics of somatic cell hybrids between totipotent mouse teratocarcinoma and rat intestinal villus cells. van der Kamp AW, et al. **Exp Cell Res** 1984 Sep;154(1):53–64
Synchronous bilateral seminomas and teratoma. Bonnell HJ. **Henry Ford Hosp Med J** 1983;31(3):167–9
Significance of the 'maturation' of metastases from germ cell tumours after intensive chemotherapy. McCartney AC, et al. **Histopathology** 1984 May;8(3):457–67
Lingual teratoma. Ficek W, et al. **Indian Pediatr** 1984 Feb; 21(2):175–6
Intrapericardial teratoma in the newborn. Agozzino L, et al. **Int J Cardiol** 1984 Jan;5(1):21–8
Teratocarcinoma cells exhibit growth cooperativity in vitro. Isacke CM, et al. **J Cell Physiol** 1983 Dec;117(3):407–14
Pathologic findings at orchiectomy following chemotherapy for disseminated testicular cancer. Greist A, et al. **J Clin Oncol** 1984 Sep;2(9):1025–7
The mode of cell death associated with cavitation in teratocarcinoma-derived embryoid bodies. Boyd SM, et al. **J Embryol Exp Morphol** 1984 Apr;80:63–74
Cervical teratomas in the newborn. Gundry SR, et al. **J Pediatr Surg** 1983 Aug;18(4):382–6
Maternal immunostimulation of a teratocarcinoma-derived cell line, TerCs. Fenderson BA, et al. **J Reprod Immunol** 1983 Sep;5(5):287–97
Endodermal sinus tumors of gonadal and extragonadal origin. Stage AH, et al. **J SC Med Assoc** 1983 Aug;79(8):445–8
Inguinal lymph node metastases from germ cell testicular tumors. Klein FA, et al. **J Urol** 1984 Mar;131(3):497–500
Intracranial teratoma with a prominent rhabdomyogenic element and germinoma in the fourth ventricle. Iwasaki I, et al. **Neurol Med Chir (Tokyo)** 1984 Jan;24(1):51–5
Prognostic significance of glioblastoma element in ovarian immature teratoma. Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;36(7):1095–9
Solid ovarian teratomas: an immunocytochemical study of thirteen cases with clinicopathologic correlation. Steeper TA, et al. **Pathol Annu** 1984;19 Pt 1:81–92
Teratoid carcinosarcoma of the paranasal sinuses. Shanmugaratnam K, et al. **Pathology** 1983 Oct;15(4):413–9
Isolation and partial characterization of lectin-resistant F9 cells. Dráber P, et al. **Somatic Cell Mol Genet** 1984 Sep; 10(5):445–54
Cytotoxicity of plant lectins for mouse embryonal carcinoma cells. Dráber P, et al. **Somatic Cell Mol Genet** 1984 Sep; 10(5):435–43
Malignant teratoma—with emphasis on the yolk sac tumor component. Lin JN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):211–8
Embryonal carcinoma of testis in elderly men. Choudhury MS, et al. **Urology** 1984 Jan;23(1):65–7
Primitive neuroectodermal tumor (immature teratoma) of testis. Nocks BN, et al. **Urology** 1983 Nov;22(5):543–4
Xanthogranulomatous transformation of metastatic testicular tumor. Ueda T, et al. **Urology** 1983 Dec;22(6):646–8

Teratoma of the heart. A case report and review of the literature. Cox JN, et al. **Virchows Arch [A]** 1983; 402(2):163–74 (30 ref.)

The embryonal carcinoma of the parotid gland. A rare example of an embryonal tumor. Donath K, et al. **Virchows Arch [A]** 1984;403(4):425–40

[Endodermal sinus tumor of the ovary] Jonsbo F, et al. **Ugeskr Laeger** 1983 Aug 1;145(31):2377–8 (Eng. Abstr.) **(Dan)**

[Pneumoblastoma in children. Apropos of 2 cases] Galifer RB, et al. **Chir Pediatr** 1983;24(3):187–91 (Eng. Abstr.) **(Fre)**

[Cystic teratoma of the diaphragm. Apropos of a case, review of the literature] Dubost C, et al. **J Chir (Paris)** 1984 Apr; 121(4):273–6 (Eng. Abstr.) **(Fre)**

[Sacrococcygeal teratoma] Sauteur E, et al. **Rev Med Suisse Romande** 1983 Oct;103(10):911–4 **(Fre)**

[Immature teratoma of the ovary: criteria of malignancy and prognosis] Théoret G, et al. **Union Med Can** 1984 Jan; 113(1):34–5 **(Fre)**

[Histological classification and biological behavior of germ cell tumors of the testis. Studies based on surgery and autopsy data 1958–1979] Kruse C, et al. **Arch Geschwulstforsch** 1984;54(1):53–9 (Eng. Abstr.) **(Ger)**

[Staging of testicular cancer by ultrasound and tumor markers with special respect to stage I and IIA] Behrendt H, et al. **Urol Int** 1983;38(5):279–84 (Eng. Abstr.) **(Ger)**

[Primary intracranial tumors as cause of death in the fetus and infant] Jänisch W, et al. **Zentralbl Allg Pathol** 1984; 129(2):75–89 (Eng. Abstr.) **(Ger)**

[Malignant teratoma of the thyroid in the adult. Presentation of a case and review of the literature] Ceriani R, et al. **Minerva Chir** 1984 Apr 15;39(7):437–42 (Eng. Abstr.) **(Ita)**

[Case of immature teratoma of the testicle metastasizing as completely mature teratoma] Okumura S, et al. **Hinyokika Kiyo** 1984 May;30(5):683–9 (Eng. Abstr.) **(Jpn)**

[Treatment and prognosis of primary intracranial germ cell tumors. With special reference to local recurrence and spinal metastasis] Aida T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):447–55 (Eng. Abstr.) **(Jpn)**

[Spinal teratoma. Report of an elderly case] Nakayama K, et al. **Neurol Med Chir (Tokyo)** 1983 Dec;23(12):963–7 (Eng. Abstr.) **(Jpn)**

[Four cases of embryonal carcinoma (Higuchi-Kato) of the ovary] Kaneko N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):328–31 **(Jpn)**

[Immunohistological study on the histogenesis and malignant transformation of ovarian mucinous tumors, with special reference to the intestinal metaplasia] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):67–71 (Eng. Abstr.) **(Jpn)**

[A case of peritoneal gliomatosis] Papla B, et al. **Patol Pol** 1983 Jul–Sep;34(3):325–8 (Eng. Abstr.) **(Pol)**

[Scarring embryonal carcinoma of the testis] Serezhin BS, et al. **Arkh Patol** 1984;46(6):69–72 (Eng. Abstr.) **(Rus)**

[Characteristics of the growth and differentiation of teratocarcinoma OC15S1 in syngeneic and allogeneic mice] Dyban PA. **Biull Eksp Biol Med** 1984 Jan;97(1):71–2 (Eng. Abstr.) **(Rus)**

[Clinico-morphological parallels in primary liver tumors in children] Shabanov MA, et al. **Pediatriia** 1984 Feb;(2):44–7 **(Rus)**

[Adenomatoid tumor of the epididymis] Morote J, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):61–4 (Eng. Abstr.) **(Spa)**

[Mediastinal teratoma with angiosarcomatous metastases] González San Martín F, et al. **Rev Clin Esp** 1983 Jul 15–31; 170(1–2):75–8 **(Spa)**

PHYSIOPATHOLOGY

Effect of mitochondrial DNA transmitted cytoplasmically from nontumorigenic to tumorigenic rat cells on the phenotypic expression of tumorigenicity. Hayashi J, et al. **Cancer Res** 1984 Sep;44(9):3957–60

Characterization of an established cell line from human immature teratoma of the ovary and effects of retinoic acid on cell proliferation. Kikuchi Y, et al. **Cancer Res** 1984 Jul;44(7):2952–8

Trophectoderm in control of murine embryonal carcinoma. Pierce GB, et al. **Cancer Res** 1984 Sep;44(9):3987–96

Chemically induced differentiation of murine embryonal carcinoma in vivo: transplantation of differentiated tumors. Speers WC, et al. **Cancer Res** 1984 May;44(5):2129–35

Malignant neoplasms of differentiated cells occurring after retinoic acid treatment of murine embryonal carcinomas in vivo. Speers WC, et al. **Cancer Res** 1984 May; 44(5):2136–43

Structure–activity relationships of a new series of retinoidal benzoic acid derivatives as measured by induction of differentiation of murine F9 teratocarcinoma cells and human HL–60 promyelocytic leukemia cells. Strickland S, et al. **Cancer Res** 1983 Nov;43(11):5268–72

Human embryonal cell carcinoma in nude mice. Wirth M, et al. **Cancer Res** 1983 Nov;43(11):5526–32

Cytokeratin filament expression during in vitro teratocarcinoma cell differentiation as detected by a monoclonal antibody. Ramaekers F, et al. **Cell Biol Int Rep** 1984 Jun;8(6):507–18

Preliminary characterisation of a murine embryonal carcinoma cell derived growth promoting activity. Stern PL, et al. **Cell Biol Int Rep** 1984 Jul;8(7):579–85

Fluorescence polarization of six membrane probes in embryonal carcinoma cells after differentiation as measured on a FACS II cell sorter. Schaap GH, et al. **Cytometry** 1984 Mar;5(2):188–93

Changes in the rate of laminin and entactin synthesis in F9 embryonal carcinoma cells treated with retinoic acid and cyclic amp. Cooper AR, et al. **Dev Biol** 1983 Oct; 99(2):510–6

Production of immunoreactive calcitonin and parathyroid hormone by embryonal carcinoma cells: alteration with retinoic acid–induced differentiation. Evain-Brion D, et al. **Dev Biol** 1984 Aug;104(2):406–12

Complementation analyses of differentiation-defective embryonal carcinoma cells. McCue PA, et al. **Dev Biol** 1984 Jun;103(2):399–408

The cell cycle, cell death, and cell morphology during retinoic acid–induced differentiation of embryonal carcinoma cells. Mummery CL, et al. **Dev Biol** 1984 Aug; 104(2):297–307

A comparative study of the cell cycles of nullipotent and multipotent embryonal carcinoma cell lines during exponential growth. Sennerstam R, et al. **Dev Biol** 1984 May;103(1):221–9

Embryonal carcinoma cell adhesion: the role of surface galactosyltransferase and its 90K lactosaminoglycan substrate. Shur BD. **Dev Biol** 1983 Oct;99(2):360–72

Studies of the temporal relationship between the cytogenetic and biochemical manifestations of X-chromosome inactivation during the differentiation of LT–1 teratocarcinoma stem cells. Takagi N, et al. **Dev Biol** 1984 Jun;103(2):425–33

5-Azacytidine is able to induce the conversion of teratocarcinoma-derived mesenchymal cells into epithelia cells. Darmon M, et al. **EMBO J** 1984 May;3(5):961–7

Control by the extracellular environment of differentiation pathways in 1003 embryonal carcinoma cells: study at the level of specific intermediate filaments. Darmon M, et al. **EMBO J** 1982;1(8):901–6

Tissue preference and differentiation of malignant rat x mouse hybrid cells in chimaeric mouse fetuses. Duboule D, et al. **EMBO J** 1982;1(12):1595–603

Transmembrane control of laminin, lectin receptors and surface villi in teratocarcinoma-derived endodermal cells. Hamada H, et al. **Exp Cell Res** 1984 Sep;154(1):299–303

Monoclonal antibody ECCD–1 inhibits intercellular communication in teratocarcinoma PCC3 cells. Kanno Y, et al. **Exp Cell Res** 1984 May;152(1):270–4

Isolation of cell lines from differentiating embryonal carcinoma cultures. Morgan RH, et al. **Exp Cell Res** 1983 Oct 15;148(2):461–73

Selection and characterization of F9 teratocarcinoma stem cell mutants with altered responses to retinoic acid. Wang SY, et al. **J Biol Chem** 1984 May 10;259(9):5899–906

Sodium butyrate induces histone hyperacetylation and differentiation of murine embryonal carcinoma cells. McCue PA, et al. **J Cell Biol** 1984 Feb;98(2):602–8

Differentiation in vitro of human–mouse teratocarcinoma hybrids. Benham FJ, et al. **Mol Cell Biol** 1983 Dec; 3(12):2259–70

Induced muscle differentiation in an embryonal carcinoma cell line. Edwards MK, et al. **Mol Cell Biol** 1983 Dec; 3(12):2280–6

Retinoic acid–induced neural differentiation of embryonal carcinoma cells. Jones-Villeneuve EM, et al. **Mol Cell Biol** 1983 Dec;3(12):2271–9

Induction of alpha-fetoprotein synthesis in differentiating F9 teratocarcinoma cells is accompanied by a genome-wide loss of DNA methylation. Young PR, et al. **Mol Cell Biol** 1984 May;4(5):898–907

Variations in DNA methylation during mouse cell differentiation in vivo and in vitro. Razin A, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2275–9

Germ cell origin of testicular and ovarian teratomas. Stevens LC. **Transplant Proc** 1984 Apr;16(2):502–4

RADIOGRAPHY

Primary retroperitoneal teratoma in adult age. Kónya A. **Radiol Diagn (Berl)** 1983;24(5):645–7

[Importance of post-therapeutic computer tomography follow-up studies of patients with malignant testicular tumors] Freitag J, et al. **Z Urol Nephrol** 1984 May; 77(5):269–75 (Eng. Abstr.) **(Ger)**

[Clinical significance of pneumomediastinography in thymic surgery] Kitano M, et al. **Rinsho Kyobu Geka** 1983 Jul; 3(4):458–63 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Early diagnosis of testicular tumor using Tc-99m pertechnetate scrotal imaging. Donoghue GD, et al. **Clin Nucl Med** 1983 Dec;8(12):630–1

RADIOTHERAPY

Radiotherapy of testicular tumours: an analysis of patients treated in Scotland between 1950 and 1969. Hay JH, et al. **Clin Radiol** 1984 Jan;35(1):13–6

[Extragonadal germ cell tumors—diagnostic and therapeutic aspects] Eggerath A, et al. **Strahlentherapie** 1984 Jan; 160(1):1–7 (Eng. Abstr.) **(Ger)**

SECONDARY

Evaluation of radiotherapy and/or surgicopathological staging after chemotherapy in the management of metastatic germ cell tumours. Oliver RT, et al. **Br J Urol** 1983 Dec;55(6):764–8

Metastasis of cancer in the cryptorchid testis to the sigmoid colon. Kwinta A, et al. **Int Urol Nephrol** 1983;15(3):271–2

Late relapse of testicular cancer. Terebelo HR, et al. **J Clin Oncol** 1983 Sep;1(9):566–71

The spectrum of computed tomographic appearance of metastatic masses from testicular neoplasms. Zingas AP, et al. **J Comput Tomogr** 1984 Jan;8(1):53–60

Spinal cord compression by metastatic testicular embryonal carcinoma. Deb HK, et al. **J Indian Med Assoc** 1983 Nov; 81(9–10):168–70

Correlation of vascular invasion and metastasis in germ cell tumors of testis—a preliminary report. Fujime M, et al. **J Urol** 1984 Jun;131(6):1237–41

Male murine embryonal carcinoma cell line selectively metastatic to the ovaries and adrenals. Fox N, et al. **Virchows Arch [Cell Pathol]** 1983;43(3):241–51

[Surgical treatment of parenchymal metastases of germinal testicular tumors] Jaeger N, et al. **Chirurg** 1983 Dec; 54(12):795–800 (Eng. Abstr.) **(Ger)**

[Endobronchial metastasis of testicular embryonal cell carcinoma—a case report] Suito T, et al. **Gan No Rinsho** 1983 Sep;29(11):1340–3 (Eng. Abstr.) **(Jpn)**

SURGERY

Prospective study of follow up alone in stage I teratoma of the testis. Read G, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1503–5

Continuous in-vivo monitoring of arterial oxygen tension in a patient treated with bleomycin. Oxorn DC, et al. **Can Anaesth Soc J** 1984 Mar;31(2):200–5

Orchiectomy alone in the treatment of clinical stage I nonseminomatous germ cell tumor of the testis. Sogani PC, et al. **J Clin Oncol** 1984 Apr;2(4):267–70

Infantile embryonal carcinoma in children. Affuso PS, et al. **J Med Soc NJ** 1984 Jan;81(1):43–4

Neonatal intracranial teratoma. Case report. Ventureyra EC, et al. **J Neurosurg** 1983 Nov;59(5):879–83

Benign teratomas of the mediastinum. Lewis BD, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):727–31

Chyloperitoneum and chylothorax: a combined rare occurrence after retroperitoneal lymphadenectomy and radiotherapy for testis tumor. Dharman K, et al. **J Urol** 1984 Feb;131(2):346–7

Surveillance alone for patients with clinical stage I nonseminomatous germ cell tumors of the testis: preliminary results. Johnson DE, et al. **J Urol** 1984 Mar; 131(3):491–3

Microsurgery of teratoma and germinoma involving the diencephalon and the brain stem. Sano K, et al. **Neurosurg Rev** 1983;6(2):51–5

New operative approach for large mediastinal teratoma in children—complete median sternotomy with lateral incision. Ito T, et al. **Z Kinderchir** 1983 Dec;38(6):425–8

[Orchidectomy only for stage I testicular teratoma?] Leibundgut U, et al. **Schweiz Med Wochenschr** 1984 Jun 9;114(23):820–6 (Eng. Abstr.) **(Ger)**

[Psycho-social aspects of pediatric surgery] Montinari M, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):185–95 (Eng. Abstr.) **(Ita)**

[Successful management of intrapericardial teratoma in an infant] Takeda H, et al. **Kyobu Geka** 1983 Sep;36(9):706–10 (Eng. Abstr.) **(Jpn)**

[Selection of surgical approach for the removal of perisacral teratomas] Koplatadze AM, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):61–5 (Eng. Abstr.) **(Rus)**

[Surgical treatment of teratogenic cysts and fistulae of the neck in children] Polishchuk SM, et al. **Klin Khir** 1984 Jun;(6):40–2 (Eng. Abstr.) **(Rus)**

THERAPY

Male germ cell tumors. Guthrie TH Jr, et al. **Am Fam Physician** 1983 Oct;28(4):256–61

Justification of the use of surveillance in the management of Stage I germ cell tumours of the testis. Oliver RT, et al. **Br J Urol** 1983 Dec;55(6):760–3

Immunotherapy with biochemically dissociated fractions of Propionibacterium acnes in a murine ovarian cancer model. Berek JS, et al. **Cancer Res** 1984 May;44(5):1871–5

Acute leukemia following therapy for teratoma. Hoekman K, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):501–2

Successful immunotherapy with intraperitoneal Corynebacterium parvum in a murine ovarian cancer model is associated with the recruitment of tumor-lytic neutrophils into the peritoneal cavity. Lichtenstein AK, et al. **J Immunol** 1984 Jul;133(1):519–26

The treatment of poor risk nonseminomatous testicular tumors. Pontes JE, et al. **J Urol** 1984 Mar;131(3):494–6

Embryonal carcinoma with falsely positive elevation of serum alpha-fetoprotein after curative therapy: a case report. Pritchett TR, et al. **J Urol** 1984 May;131(5):970–1

Differences of the growth of mouse teratocarcinoma OTT6050 induced by various sex hormone treatments in vivo. Kubota K, et al. **Oncology** 1984;41(3):217–21

Effective treatment for malignant mediastinal teratoma. Parker D, et al. **Thorax** 1983 Dec;38(12):897–902
Malignant ovarian teratoma in childhood. Kullendorff CM. **Z Kinderchir** 1983 Oct;38(5):350–2
[New results of the treatment of metastasized testicular tumors in early and late stages] Seeber S, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:393 **(Ger)**
[Suggestions for the treatment of germinal tumors of the ovary. Dysgerminoma, tumors of the endodermal sinus, immature teratoma] Giardina G. **Minerva Ginecol** 1984 Apr;36(4):217–20 **(Ita)**
[Clinical aspects of ovarian endodermal sinus tumor] Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):415–20 (Eng. Abstr.) **(Jpn)**
[Postoperative treatment for malignant intracranial tumors—especially concerning intermittent intra-carotid administration of adriamycin] Sakai N, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):237–43 (Eng. Abstr.) **(Jpn)**
[Prognostic factors in testicular seminoma and embryonal tumors with seminoma structure] Puchalska B. **Pol Tyg Lek** 1983 May 30–Jun 6;38(22–23):695–700 (Eng. Abstr.) **(Pol)**
[Sacrococcygeal teratomas in children treated at the Oncological Clinic of the Mother and Child Institute in Warsaw] Bożek J, et al. **Probl Med Wieku Rozwoj** 1979; 8:170–5 (Eng. Abstr.) **(Pol)**
[Ovarian neoplasms in girls treated at the Oncological Clinic of the Mother and Child Institute in Warsaw 1970–1975] Ordyniec J. **Probl Med Wieku Rozwoj** 1979;8:176–84 (Eng. Abstr.) **(Pol)**
[Treatment of patients with stage III–IV nonseminomatous tumors of the testis] Matveev BP, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):60–4 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Junction formation in aggregated embryonal carcinoma cells. Strum JM, et al. **Dev Biol** 1984 Sep;105(1):93–101
Isolation and characterization of a near-diploid differentiated cell line from a murine teratocarcinoma that differentiates into muscle. Moore EE. **In Vitro** 1984 Jun;20(6):463–72
Cell relationships during aggregation between preimplantation embryos and teratocarcinoma-derived cells. Lehtonen E, et al. **J Embryol Exp Morphol** 1984 Jun; 81:17–35
Pluripotent embryonal carcinoma clones derived from the human teratocarcinoma cell line Tera-2. Differentiation in vivo and in vitro. Andrews PW, et al. **Lab Invest** 1984 Feb;50(2):147–62
[Morphological study of a homogenous population of teratocarcinoma cells] Monzo M, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):315–23 (Eng. Abstr.) **(Fre)**

URINE

[Characteristics of urinary steroid excretions in ovarian cancer patients] Kodama M, et al. **Gan No Rinsho** 1984 May;30(5):501–4 (Eng. Abstr.) **(Jpn)**

VETERINARY

Spontaneous teratoma in a Wistar rat. Ninomiya H. **Jikken Dobutsu** 1983 Jul;32(3):145–9
Polycystic immature teratoma observed at the head of Meckel's diverticulum of a chick. Sugiyama M, et al. **Nippon Juigaku Zasshi** 1983 Jun;45(3):383–5

TERBIUM

[Activation of liposome chemiluminescence during lipid peroxidation by Tb3+ ions] Sharov VS, et al. **Biofizika** 1984 May–Jun;29(3):394–7 (Eng. Abstr.) **(Rus)**

BLOOD

Interaction of terbium with human platelets. Del Principe D, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):311–8

DIAGNOSTIC USE

Luminescence studies of Tb3+ bound to the high affinity sites of the Ca2+-ATPase of sarcoplasmic reticulum. Scott TL. **J Biol Chem** 1984 Apr 10;259(7):4035–7

METABOLISM

Surface potential in rat liver mitochondria: terbium ion as a phosphorescent probe for surface potential. Hashimoto K, et al. **Biochemistry** 1983 Dec 6;22(25):5738–45
Luminescence and circular-dichroism analysis of terbium binding by pig intestinal calcium-binding protein (relative mass = 9000). O'Neil JD, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):434–42
Stoichiometry and location of terbium and calcium bindings to porcine intestinal calcium-binding protein. Chiba K, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1767–74
Characterization of Gd3+ and Tb3+ binding sites on Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum. Itoh N, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):661–9
Spectroscopic studies on the binding of iron, terbium, and zinc by apoferritin. Treffry A, et al. **J Inorg Biochem** 1984 May;21(1):9–20

PHARMACODYNAMICS

Conformational changes induced by zinc and terbium binding to native bovine alpha-lactalbumin and calcium-free alpha-lactalbumin. Kronman MJ, et al. **J Biol Chem** 1984 Sep 10;259(17):10887–95
Kinetic effects of terbium ions on muscarinic acetylcholine receptors of murine neuroblastoma cells. El-Fakahany EE, et al. **J Neurochem** 1984 Mar;42(3):863–9

TERBUTALINE

ADMINISTRATION & DOSAGE

Cardiovascular effects of intramuscular or inhaled terbutaline in asthmatics. Buch J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):183–8
Cumulative dose response study comparing clinical effects of two doses of terbutaline sulphate administered via a 750 ml spacer to asthmatic patients. Laursen LC, et al. **Allergy** 1984 Jan;39(1):13–6
Bronchodilation of terbutaline in small doses from a 750 ml spacer. A cumulative dose-response study. Munch EP, et al. **Allergy** 1983 Oct;38(7):487–91
Bronchodilator response to oral aminophylline and terbutaline versus aerosol albuterol in patients with chronic obstructive pulmonary disease. Shim CS, et al. **Am J Med** 1983 Oct;75(4):697–701
Intravenous terbutaline and simultaneous beta 1-blockade for advanced premature labor. Ross MG, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):897–902
Effects of inhaled budesonide alone and in combination with low-dose terbutaline in children with exercise-induced asthma. Henriksen JM, et al. **Am Rev Respir Dis** 1983 Dec; 128(6):993–7
The effect of subcutaneously administered terbutaline on serum potassium in asymptomatic adult asthmatics. Küng M, et al. **Am Rev Respir Dis** 1984 Feb;129(2):329–32
Terbutaline sulfate and isoproterenol sulfate (metered dose aerosols) in the treatment of asthma. Kemp JP, et al. **Ann Allergy** 1983 Oct;51(4):436–40
Comparison of salbutamol powder with terbutaline aerosol administered with a tube spacer in asthmatic children. Francis PW, et al. **Aust Paediatr J** 1983 Dec;19(4):245–7
Subcutaneous terbutaline and control of brittle asthma or appreciable morning dipping. Ayres J, et al. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1715–6
Potential limitations of a conical spacer device in severe asthma. Cox ID, et al. **Br Med J [Clin Res]** 1984 Apr 7; 288(6423):1044
Nebuhaler versus nebuliser in children with acute asthma. Freelander M, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1873–4
Comparison of a 750 ml spacer and a nebulizer in domiciliary treatment of severe chronic asthma with terbutaline. Laursen LC, et al. **Eur J Respir Dis** 1983 Oct;64(7):498–503
Simultaneous treatment with terbutaline and theophylline. Billing B, et al. **Eur J Respir Dis [Suppl]** 1984;134:211–8
Oral administration of terbutaline in asthmatic patients. Ripe E, et al. **Eur J Respir Dis [Suppl]** 1984;134:171–9
The effects of oral and subcutaneous administration of terbutaline in asthmatic patients. van den Berg W, et al. **Eur J Respir Dis [Suppl]** 1984;134:181–93
Terbutaline infusion in cardiogenic shock: acute hemodynamic effects and clinical response. Wang RY, et al. **J Clin Pharmacol** 1983 Aug–Sep;23(8–9):355–61
Myocardial metabolic effects of intravenous terbutaline in patients with severe heart failure due to coronary artery disease. Wang RY, et al. **J Clin Pharmacol** 1983 Aug–Sep; 23(8–9):362–8
Cardiac response to oral and aerosol administration of beta agonists. Lee H, et al. **J Pediatr** 1983 Oct;103(4):655–8
Tocolysis with terbutaline sulfate in patients with placenta previa complicated by premature labor. Sampson MB, et al. **J Reprod Med** 1984 Apr;29(4):248–50
Drug intake and plasma concentrations in acute asthma. Boe J, et al. **Respiration** 1984;45(4):430–7
Childhood asthma: improved efficacy of pressurized terbutaline aerosol by use of a 750-ml spacer. Hidinger KG, et al. **Respiration** 1984;45(2):157–60
Influence of an extension tube on the bronchodilator efficacy of terbutaline delivered from a metered dose inhaler. Pauwels R, et al. **Respiration** 1984;45(1):61–6
Factors influencing the size distribution of aerosols from jet nebulisers. Clay MM, et al. **Thorax** 1983 Oct;38(10):755–9
Comparison of three techniques of inhalation on the airway response to terbutaline. Cushley MJ, et al. **Thorax** 1983 Dec;38(12):908–13
[Modification of exercise-induced airway obstruction using a combination of 2 drugs] Gimeno F, et al. **Ned Tijdschr Geneeskd** 1983 Sep 3;127(36):1619–22 (Eng. Abstr.) **(Dut)**

ADVERSE EFFECTS

Cardiovascular collapse associated with oral terbutaline tocolytic therapy. Carpenter RJ Jr, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):821–3
Incidence of cardiac arrhythmias in patients taking slow release salbutamol and terbutaline for asthma [letter] Harrison P. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):863
Incidence of cardiac arrhythmias in patients taking slow release salbutamol and slow release terbutaline for asthma. Al-Hillawi AH, et al. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):367
Plasma concentration and side-effects of terbutaline. Bengtsson B. **Eur J Respir Dis [Suppl]** 1984;134:231–5
Pulmonary edema induced by betamimetic drugs. Mabie WC, et al. **South Med J** 1983 Nov;76(11):1354–60

ANALOGS & DERIVATIVES

A comparative study of the bronchospasmolytic effect of tulobuterol and fenoterol in patients suffering from a reversible bronchial obstruction. Maesen F, et al. **Arzneimittelforsch** 1983;33(12):1696–8
Tulobuterol: one-month intravenous safety studies in rats and dogs. Fort FL, et al. **Drug Chem Toxicol** 1984;7(3):283–98
[Studies on the relationship between physico-chemical properties and crystalline forms of tulobuterol hydrochloride. III. Hygroscopic properties of polymorphs of tulobuterol hydrochloride] Saito M, et al. **Yakugaku Zasshi** 1983 Mar;103(3):336–41 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Bioanalytical methods for the determination of terbutaline. Edholm LE. **Eur J Respir Dis [Suppl]** 1984;134:17–8
Transfer of terbutaline into breast milk. Lindberg C, et al. **Eur J Respir Dis [Suppl]** 1984;134:87–91

BLOOD

Pharmacokinetic implications of slow equilibration of terbutaline between plasma and erythrocytes. Borgå O, et al. **Eur J Respir Dis [Suppl]** 1984;134:73–80
Multidimensional column liquid chromatography with electrochemical detection for the analysis of terbutaline in human plasma. Edholm LE, et al. **Eur J Respir Dis [Suppl]** 1984;134:33–40
Quantitative analysis of terbutaline by gas chromatography-mass spectrometry. Leferink JG, et al. **Eur J Respir Dis [Suppl]** 1984;134:25–32
Oral terbutaline in chronic childhood asthma; effects related to plasma concentrations. Lönnerholm G, et al. **Eur J Respir Dis [Suppl]** 1984;134:205–10
Assay of tritium-labelled terbutaline. Tegnér K, et al. **Eur J Respir Dis [Suppl]** 1984;134:19–23

DIAGNOSTIC USE

Exercise-induced asthma - laboratory observations. Bundgaard A. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):253–7

METABOLISM

Advances in terbutaline pharmacokinetics. Proceedings of a workshop, Lund, November 10–11, 1982. **Eur J Respir Dis [Suppl]** 1984;134:1–240
Pharmacokinetics of terbutaline therapy. Andersson KE, et al. **Eur J Respir Dis [Suppl]** 1984;134:165–70
Transfer of terbutaline across the human placenta in late pregnancy. Bergman B, et al. **Eur J Respir Dis [Suppl]** 1984; 134:81–6
Pharmacokinetics of terbutaline after oral administration. Davies DS. **Eur J Respir Dis [Suppl]** 1984;134:111–7
The fate of inhaled terbutaline. Davies DS. **Eur J Respir Dis [Suppl]** 1984;134:141–7
Pharmacokinetics of terbutaline after parenteral administration. Fagerström PO. **Eur J Respir Dis [Suppl]** 1984;134:101–10
Kinetics of terbutaline in asthmatic children. Hultquist C, et al. **Eur J Respir Dis [Suppl]** 1984;134:195–203
Pharmacokinetics of terbutaline given in slow-release tablets. Nyberg L, et al. **Eur J Respir Dis [Suppl]** 1984;134:119–39
Pharmacokinetic parameters of terbutaline in healthy man. An overview. Nyberg L. **Eur J Respir Dis [Suppl]** 1984; 134:149–60
Distribution of terbutaline. Ryrfeldt A, et al. **Eur J Respir Dis [Suppl]** 1984;134:63–72
Elimination pathways of terbutaline. Tegnér K, et al. **Eur J Respir Dis [Suppl]** 1984;134:93–100
Terbutaline 'ghost' tablets [letter] Fish DR, et al. **Lancet** 1983 Oct 1;2(8353):797

PHARMACODYNAMICS

Contributions to the mechanism of action of beta-adrenergic stimulants. Zsolnai B, et al. **Acta Chir Hung** 1984; 25(3):169–77
Cardiovascular effects of terbutalin in pregnant women. Schwarz R, et al. **Acta Obstet Gynecol Scand** 1983; 62(5):419–23
Steric aspects of agonism and antagonism at beta-adrenoceptors: experiments with the enantiomers of terbutaline and pindolol. Jeppsson AB, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Apr;54(4):285–91
Sustained inhibition of antigen-induced histamine release from human lung by the beta 2-adrenoceptor agonist terbutaline. Petersson BA. **Allergy** 1984 Jul;39(5):351–7
Pulmonary surfactant release in fetal rabbits: immediate and delayed response to terbutaline. Ekelund L, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):437–43
The influence of long-term administration of terbutaline on the disaturated phosphatidyl-choline concentration of fetal

lung tissue and amniotic fluid in pregnant rabbits. Higuchi M, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun; 10(2):217–24

Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Koëter GH, et al. **Eur J Clin Pharmacol** 1984;26(4):435–41

Anti–asthmatic effects and drug tolerance of selective beta 2–adrenergic stimulants in guinea–pigs. Arai Y, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):506–8

Effects and mechanism of action of terbutaline on diaphragmatic contractility and fatigue. Aubier M, et al. **J Appl Physiol** 1984 Apr;56(4):922–9

The effect of terbutaline on cardiac function in patients with stable chronic obstructive lung disease. Sunderrajan EV, et al. **JAMA** 1983 Oct 28;250(16):2151–6

[The pattern of spontaneous contraction and the effects of Mg++ and terbutaline on pregnant human myometrium] Ikeda M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar;36(3):377–83 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Enhancement of ciliary action by a beta–adrenergic stimulant. Ohashi Y, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;397:49–59

A comparative study of aerosolized terbutaline and subcutaneously administered epinephrine in the treatment of acute bronchial asthma. Baughman RP, et al. **Ann Allergy** 1984 Aug;53(2):131–4

Effect of terbutaline sulphate in chronic 'allergic' cough. Ellul–Micallef R. **Br Med J [Clin Res]** 1983 Oct 1; 287(6397):940–3

Comparative study of the effects of intravenous administration of aminophylline, salbutamol and terbutaline in patients suffering from reversible airways obstruction. Sahay JN, et al. **Curr Med Res Opin** 1984;9(1):1–6

Bronchodilator effect of terbutaline aerosol is not affected by propellant vapour pressure or dose volume. Hidinger KG, et al. **Eur J Clin Pharmacol** 1983;25(6):735–8

Comparative efficacy of different methods of nebulising terbutaline. Pedersen JZ, et al. **Eur J Clin Pharmacol** 1983; 25(6):739–42

Effects of inhaled N–acetylcysteine in combination with terbutaline. Stiksa G, et al. **Eur J Respir Dis** 1984 May; 65(4):278–82

Terbutaline in the treatment of preterm labour. Berg G, et al. **Eur J Respir Dis [Suppl]** 1984;134:219–30

Pretreatment of exercise–induced asthma with beta–2 agonists inhaled from RV to TLC or at TLC. A preliminary report. Bundgaard A. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):518–20

Ventilatory and haemodynamic effects of beta 1–selective and beta 2–selective stimulation in asthmatic patients. Greefhorst AP, et al. **Eur J Respir Dis [Suppl]** 1984; 135:147–50

Comparison of the effects of a new anticholinergic drug (AA 28–263, Sandoz) and terbutaline in a dose–response study in endogenous asthmatics. Svedmyr K, et al. **Eur J Respir Dis [Suppl]** 1984;136:95–100

Studies on beta 2–sympathicomimetic–induced desensitization at the level of pulmonary adrenoceptors. Terpstra GK, et al. **Eur J Respir Dis [Suppl]** 1984;135:171–3

Dose, plasma concentration, and effect of oral terbutaline in long–term treatment of childhood asthma. Lönnerholm G, et al. **J Allergy Clin Immunol** 1984 Apr;73(4):508–15

Treatment of premature labour with terbutaline. Phuapradit W, et al. **J Med Assoc Thai** 1983 Aug;66(8):453–7

Comparison of magnesium sulfate, terbutaline and a placebo for inhibition of preterm labor. A randomized study. Cotton DB, et al. **J Reprod Med** 1984 Feb;29(2):92–7

Terbutaline in the management of acute intrapartum fetal acidosis. Tejani NA, et al. **J Reprod Med** 1983 Dec; 28(12):857–61

Clinical usefulness of terbutaline in the management of placenta praevia. Nakamura Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):947–9

Bricanyl (terbutaline) treatment in obstructive bronchitis and asthma of childhood. Kövári K, et al. **Ther Hung** 1981; 29(2):87–90

[Our experience in using brikanil tokolytic therapy] Grigorov S, et al. **Akush Ginekol (Sofiia)** 1983;22(4):273–7 (Eng. Abstr.) **(Bul)**

[Bronchodilator effect of terbutaline (Bricanyl) in bronchial asthma patients] Vülcheva T, et al. **Vutr Boles** 1984; 23(1):91–4 **(Bul)**

TERIZIDONE see under **OXAZOLES**

TERMINAL CARE

see related
HOSPICES
PALLIATIVE TREATMENT

Dilemmas in practice. Keeping the secret. Kostro–Marolda K. **Am J Nurs** 1984 Jan;84(1):25–6

Intravenous support in dying patients [letter] **Arch Intern Med** 1984 Feb;144(2):420–1

Are intravenous fluids morally required for a dying patient? Micetich KC, et al. **Arch Intern Med** 1983 May; 143(5):975–8

When to stop treatment. Dunea G. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1056–7

Oral narcotic mixtures [letter] Oliver DJ. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1218

Models of terminal care: a review of the research literature. Gotay CC. **Clin Invest Med** 1983;6(3):131–41

Terminal weaning [letter] **Crit Care Med** 1984 Jan;12(1):77–80

Care of the terminally ill patient and family. Cassileth BR. **Del Med J** 1983 Aug;55(8):481–6

Assessment of the quality of life of patients with advanced cancer. Gough IR, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1161–5

Possible ways of helping terminal patients. Maggioni C, et al. **Eur J Gynaecol Oncol** 1984;5(1):21–5

To die at home: rejection of medical intervention by geriatric patients who had serious organic disease. Hershkowitz M. **J Am Geriatr Soc** 1984 Jun;32(6):457–9

Extraordinary nutritional support: a case study and ethical analysis. Watts DT, et al. **J Am Geriatr Soc** 1984 Mar; 32(3):237–42

The terminal period of cancer: definition and descriptive epidemiology. McCusker J. **J Chronic Dis** 1984; 37(5):377–85

Care of the elderly, demented, and dying patient [clinical conference] Salmon RB, et al. **J Fam Pract** 1984 Mar; 18(3):377, 380–1, 384–6

Care of the dying in one practice. Barritt PW. **J R Coll Gen Pract** 1984 Aug;34(265):446–8

Terminal care: the role of the general practitioner hospital. Lyon A, et al. **J R Coll Gen Pract** 1984 Jun;34(263):331–3

Bill's lesion [editorial] Bryan CS. **J SC Med Assoc** 1984 Jun; 80(6):313–4

'Uncle George' resurrected. **JAMA** 1983 Nov 18; 250(19):2609

Treatment of the terminally ill [letter] Fish MS. **JAMA** 1983 Nov 18;250(19):2603

The care of patients with severe chronic pain in terminal illness. McGivney WT, et al. **JAMA** 1984 Mar 2; 251(9):1182–8

Treatment for pain in terminal illness [letter] Salkind GD, et al. **JAMA** 1984 Sep 21;252(11):1410

Heroin for cancer: a great non–issue of our day [editorial] **Lancet** 1984 Jun 30;1(8392):1449–50

Terminal dehydration [letter] Oliver D. **Lancet** 1984 Sep 15; 2(8403):631

Development of scales to measure satisfaction and preferences regarding long–term and terminal care. McCusker J. **Med Care** 1984 May;22(5):476–93

Dying of cancer. Home, hospice or hospital? [editorial] Allbrook D. **Med J Aust** 1984 Aug 4;141(3):143–4

Dying of cancer. Factors influencing the place of death of patients. Malden LT, et al. **Med J Aust** 1984 Aug 4; 141(3):147–50

An identification of the needs of family members of terminally ill patients in a hospital setting. O'Brien ME. **Milit Med** 1983 Sep;148(9):712–6

Care of the terminally ill [letter] **N Engl J Med** 1984 Apr 26;310(17):1127–8

Physician's responsibility toward the hopelessly ill [letter] **N Engl J Med** 1984 Aug 2;311(5):334–6

Death and the pediatric house officer revisited. Sack WH, et al. **Pediatrics** 1984 May;73(5):676–81

'Hospice' versus 'hospital' care—re–evaluation after 10 years as seen by surviving spouses. Parkes CM, et al. **Postgrad Med J** 1984 Feb;60(700):120–4

The means to an end. Hanratty JF. **Trans Med Soc Lond** 1981–82;98:36–42

[Management of terminal renal failure in Kubbutzim] Almagor G, et al. **Harefuah** 1983 Mar 15;104(6):245–7 (Eng. Abstr.) **(Heb)**

[Symptom control in the terminal geriatric ward patient] Rosin AJ, et al. **Harefuah** 1984 Jan 1;106(1):10–2 (Eng. Abstr.) **(Heb)**

[Experience with psychotropic agents Pyrethia and Contomin in the terminal care of lung cancer patients] Kakinuma R, et al. **Gan No Rinsho** 1984 Apr;30(4):344–8 (Eng. Abstr.) **(Jpn)**

[Mechanisms of the development of terminal states and their therapy] Lanovenko II. **Fiziol Zh** 1984 Jul–Aug; 30(4):409–16 (30 ref.) (Eng. Abstr.) **(Rus)**

[Terminal care based on the English hospice model is neither necessary or desirable in Sweden] Karlsson O, et al. **Lakartidningen** 1984 Jan 25;81(4):225–6 **(Swe)**

ECONOMICS

Effects of a physician–led home care team on terminal care. Zimmer JG, et al. **J Am Geriatr Soc** 1984 Apr;32(4):288–92

The care of the terminally ill: morality and economics. Bayer R, et al. **N Engl J Med** 1983 Dec 15;309(24):1490–4

LEGISLATION & JURISPRUDENCE

The implications of withdrawing nutritional devices. Cushing M. **Am J Nurs** 1984 Feb;84(2):191–4

How does the law treat the doctor? Howie KE, et al. **Can Med Assoc J** 1983 Nov 1;129(9):1034–8

An ethical framework for terminal care decisions: a new classification of patients. Veatch RM. **J Am Geriatr Soc** 1984 Sep;32(9):665–9

Legislation with dignity: will this be the year Georgia enacts a 'Living Will' statute? Maxwell GM Jr. **J Med Assoc Ga** 1984 Feb;73(2):112–4

Whatever happened to benign neglect? Nevins MA. **J Med Soc NJ** 1984 Mar;81(3):222–6

The Conroy case. Rothberg H. **J Med Soc NJ** 1984 Mar; 81(3):229–31

Should heroin be legalized for the treatment of pain? Angell M. **N Engl J Med** 1984 Aug 23;311(8):529–30

Compassionate pain relief: is heroin the answer? Brandt EN Jr. **N Engl J Med** 1984 Aug 23;311(8):530–2

In defense of the reintroduction of heroin into American medical practice and H.R. 5290—the Compassionate Pain Relief Act. Mondzac AM. **N Engl J Med** 1984 Aug 23; 311(8):532–5

Withholding life support in terminal illness. Jones KB. **Penn Med** 1983 Nov;86(11):24

METHODS

Hospices [letter] Early NE. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1835

Hospice inpatient care: characteristics of an institution and its patients. Kaiser CB. **Conn Med** 1984 Mar;48(3):146–51

Goal–setting in terminal care: a method of recording treatment aims and priorities. Lunt B, et al. **J Adv Nurs** 1983 Nov;8(6):495–505

Nutritional support: enhancing the quality of life of the terminally ill patient with cancer. Wade EV, et al. **J Am Diet Assoc** 1984 Sep;84(9):1044–5

Hospice Care Program Metropolitan Medical Center. Fortuny IE, et al. **Minn Med** 1983 Sep;66(9):577–9

[Aftercare, symptomatic and terminal care of cancer patients in medical primary care] Hartung GH. **Z Arztl Fortbild (Jena)** 1983;77(13):560–3 **(Ger)**

[Hemodynamic changes during long–term artificial pulmonary ventilation with positive end–expiratory pressure in terminal–stage patients] Ivanov GG. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):49–51 (Eng. Abstr.) **(Rus)**

NURSING

The pivotal role of the nurse in hospice care. Greene PE. **CA** 1984 Jul–Aug;34(4):204–5

ORGANIZATION & ADMINISTRATION

Attaining the impossible. Morrell D. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):979–80

Dilemmas of hospice: a critical look at its problems. Adams AB. **CA** 1984 Jul–Aug;34(4):183–90

Organization and administration of hospice care. Smith SN, et al. **J Nurs Adm** 1983 Nov;13(11):10–6

Social work services as a component of palliative care with terminal cancer patients. Allison H, et al. **Soc Work Health Care** 1983 Summer;8(4):29–44

PSYCHOLOGY

Honesty is the best policy. A radiation therapist's perspective on caring for terminal cancer patients. Kagan AR, et al. **Am J Clin Oncol** 1984 Aug;7(4):381–3

Hospice: what it is not. Jacobsen GA. **CA** 1984 Jul–Aug; 34(4):202–3

Human values in caring for cancer patients. Kohn J. **Can Med Assoc J** 1984 Aug 1;131(3):237–9

Psychological aspects of the management of terminal cancer. Stedeford A. **Compr Ther** 1984 Jan;10(1):35–40

Integrated psychiatric treatment of a dying patient. Kramer PD. **Gen Hosp Psychiatry** 1983 Dec;5(4):291–9

The impact of hospice care on families. Godkin MA, et al. **Int J Psychiatry Med** 1983–84;13(2):153–65

Decisions about death and dying. Zimring JG. **J Am Geriatr Soc** 1984 Aug;32(8):614–5

Notes on casework with the terminally ill. Meloy SE. **J Geriatr Psychiatry** 1983;16(1):149–51

A specialized unit for adolescent oncology patients. Is it worth it? Tebbi CK, et al. **J Med** 1983;14(3):161–84

Doctors in training and the dying patient [editorial] Goldie L. **J R Soc Med** 1983 Dec;76(12):995

The dying patient: some ethical considerations. Moskovites JP. **Milit Med** 1983 Jul;148(7):632–3

Communication with the dying patient. Lamerton R. **Practitioner** 1984 Jun;228(1392):581–3

Communication between general practitioners and patients dying at home. Todd CJ, et al. **Soc Sci Med** 1984; 18(8):667–72

[Physician and patient in the face of death] Guzek A. **Pol Tyg Lek** 1984 Mar 5;39(10):345–8 **(Pol)**

[Selected psychological and medical problems of terminal–care patients] Pilaczyńska E. **Psychiatr Pol** 1984 Jan–Feb;18(1):49–56 (29 ref.) **(Pol)**

STANDARDS

Report on do not resuscitate decisions. **Conn Med** 1983 Aug; 47(8):477–83

Ethical issues in the nutritional support of the terminal patient. Boisaubin EV. **J Am Diet Assoc** 1984 May; 84(5):529–31

Effect, cost, and value of hospice care [editorial] **Lancet** 1984 Feb 4;1(8371):259–60

Striatal glutamate decarboxylase values, indicative of hospital where patient died [letter] Agid Y, et al. **Lancet** 1984 Feb 4;1(8371):280

Dying now. Wilkes E. **Lancet** 1984 Apr 28;1(8383):950–2

World Medical Association. Statements on terminal illness and boxing adopted by the 35th World Medical Assembly, Venice, Italy—October, 1983. **Med J Aust** 1984 Mar 31;

140(7):431
WMA statements on terminal illness and boxing [editorial] Winton R. **Med J Aust** 1984 Mar 31;140(7):392–3
The physician's responsibility toward hopelessly ill patients. Wanzer SH, et al. **N Engl J Med** 1984 Apr 12;310(15):955–9
An assessment of palliative care needs in a tertiary care hospital. Kincade JE, et al. **QRB** 1984 Aug;10(8):230–7

TRENDS

The 4% fallacy: R.I.P. Kastenbaum R.
Int J Aging Hum Dev 1983;17(1):71–4
A note on methodological fallacies in the 'X% fallacy' literature. McConnel CE. **Int J Aging Hum Dev** 1983; 17(1):57–69
Issues of institutionalization: five percent fallacies and terminal care. Rosenberg E, et al.
Int J Aging Hum Dev 1983;17(1):43–55

TERMINATION, EMPLOYMENT see **EMPLOYMENT**

TERNIDENS see under **STRONGYLOIDEA**

TERPENE PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

TERPENES

Some modern mass spectrometric methods for steroids and terpenoids. Rose ME. **Biochem Soc Trans** 1983 Oct; 11(5):561–5 (39 ref.)
Chromosomal translocations activating myc sequences and transduction of v-abl are critical events in the rapid induction of plasmacytomas by pristane and abelson virus. Ohno S, et al. **J Exp Med** 1984 Jun 1;159(6):1762–77
Specific chromosome translocation in pristane-induced plasmacytomas of NZB mice. Oikawa T, et al. **JNCI** 1984 Feb;72(2):347–53

ADVERSE EFFECTS

Sebaceous glands changes following topical application of citral. Abramovici A, et al.
Acta Derm Venereol (Stockh) 1983;63(5):428–31
Toxicity of an insect repellent: N-N-diethyltoluamide. de Garbino JP, et al. **Vet Hum Toxicol** 1983 Dec;25(6):422–3

ANALYSIS

The geochemistry of terpenoids and steroids. Brassell SC, et al. **Biochem Soc Trans** 1983 Oct;11(5):575–86
On the origin of terpenes in symbiotic associations between marine invertebrates and algae (zooxanthellae). Culture studies and an application of 13C/12C isotope ratio mass spectrometry. Kokke WC, et al. **J Biol Chem** 1984 Jul 10; 259(13):8168–73

BIOSYNTHESIS

The biosynthesis of polyisoprenoid chains. Hemming FW. **Biochem Soc Trans** 1983 Oct;11(5):497–504

BLOOD

Sensitive gas-liquid chromatographic-electron-capture detection method for determination of sobrerol in biological fluids. Shukla UA, et al. **J Chromatogr** 1984 Jun 8;308:189–97

CHEMICAL SYNTHESIS

Chemical synthesis and 2H NMR investigations of polyisoprenols: dynamics in model membranes. de Ropp JS, et al. **Biochemistry** 1984 Jun 5;23(12):2691–5

ISOLATION & PURIFICATION

Purification of monoterpenyl glycosides by gel-permeation and hydrophobic-interaction chromatography on polyacrylamide (Bio-Gel P-2). Croteau R, et al.
Anal Biochem 1984 Mar;137(2):389–93
Native American medicinal plants. Anemonin from the horse stimulant Clematis hirsutissima. Kern JR, et al.
J Ethnopharmacol 1983 Jul;8(1):121–3
[Diarylheptanoids in the bark of Myrica rubra Sieb. et Zucc.] Inoue T, et al. **Yakugaku Zasshi** 1984 Jan;104(1):37–41 (Eng. Abstr.) **(Jpn)**

METABOLISM

The occurrence and seasonal distribution of C50-C60-polyprenols and of C100-and similar long-chain polyprenols in leaves of plants. Chojnacki T, et al.
Acta Biochim Pol 1984;31(1):115–26
Metabolism of monoterpenes: lactonization of (+)-camphor and conversion of the corresponding hydroxy acid to the glucoside-glucose ester in sage (Salvia officinalis). Croteau R, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):667–80
Cell-free studies of monoterpene and sesquiterpene biosynthesis. Cane DE. **Biochem Soc Trans** 1983 Oct; 11(5):510–5
Polyprenol-linked sugars and glycoprotein synthesis in plants. Lehle L, et al. **Biochem Soc Trans** 1983 Oct; 11(5):568–74 (132 ref.)
Lipopolymers, isoprenoids, and the assembly of the gram-positive cell wall. Reusch VM Jr.
CRC Crit Rev Microbiol 1984;11(2):129–55 (125 ref.)
Bacteriorhodopsins with chromophores modified at the beta-ionone site. Formation and light-driven action of the proton pump. Muradin-Szweykowska M, et al.
Eur J Biochem 1984 Apr 2;140(1):173–6
Bio-degradation of acetates of geraniol, nerol & citronellol by P. incognita: isolation & identification of metabolites. Madyastha KM, et al. **Indian J Biochem Biophys** 1983 Jun; 20(3):136–40
Metabolism of geraniol and linalool in the rat and effects on liver and lung microsomal enzymes. Chadha A, et al. **Xenobiotica** 1984 May;14(5):365–74
p-Cymene metabolism in rats and guinea-pigs. Walde A, et al. **Xenobiotica** 1983 Aug;13(8):503–12

PHARMACODYNAMICS

Activation of protein kinase C by non-phorbol tumor promoter, mezerein. Miyake R, et al.
Biochem Biophys Res Commun 1984 Jun 15;121(2):649–56
Inhibition of DMBA-induced mammary cancer by the monoterpene d-limonene. Elegbede JA, et al.
Carcinogenesis 1984 May;5(5):661–4
Differential effects of complete and second-stage tumour promoters in normal but not transformed human and mouse keratinocytes. Parkinson EK, et al. **Carcinogenesis** 1984 Aug;5(8):1071–7
Induction by carrot allelochemicals of insecticide-metabolising enzymes in the southern armyworm (Spodoptera eridania). Brattsten LB, et al.
Comp Biochem Physiol [C] 1984;77(1):29–37
Comparative effect of farnesylacetone on macromolecular synthesis in gonads of crustaceans. Berreur-Bonnenfant J, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):462–8
Neem oil as a vaginal contraceptive. Sinha KC, et al.
Indian J Med Res 1984 Jan;79:131–6
Ophiobolin A. A natural product inhibitor of calmodulin. Leung PC, et al. **J Biol Chem** 1984 Mar 10;259(5):2742–7
Evaluation of limonoids against the murine P388 lymphocytic leukemia cell line. Pettit GR, et al. **J Nat Prod** 1983 May-Jun;46(3):379–90
Blocking effects of a new component, paeoniflorigenone, in paeony root on neuromuscular junctions of frogs and mice. Kimura M, et al. **Jpn J Pharmacol** 1984 May;35(1):61–6
Inhibition of human lecithin cholesterol acyltransferase by monoterpenes. Cooney RV, et al. **Lipids** 1984 May; 19(5):371–3
Protective effect of epomediol on calcium release induced by palmitoyl CoA in the sarcoplasmic reticulum. Bindoli A, et al. **Pharmacol Res Commun** 1984 Jul;16(7):647–52
Difference in mode of action of cimetidine and gefarnate on endogenous prostacyclin, prostaglandin E2 and thromboxane in rat gastric mucosa. Arakawa T, et al.
Tohoku J Exp Med 1983 Aug;140(4):407–12
Effect of pretreatment with hydroxylated xenobiotics on the activities of rat liver UDP-glucuronosyl-transferases. Boutin JA, et al. **Xenobiotica** 1983 Dec;13(12):755–61
[Clinico-pathologic study on the action of yuanhuadine in mid-trimester abortion] Wang QW.
Chung Hua Fu Chan Ko Tsa Chih 1983 Jul;18(3):154–6 (Eng. Abstr.) **(Chi)**
[Biologically active principles of crude drugs. Cholagogic substances in cardamon seed and their properties] Yamahara J, et al. **Yakugaku Zasshi** 1983 Sep;103(9):979–85 (Eng. Abstr.) **(Jpn)**
[Antifungal and antimicrobial activity of beta-ionone and vitamin A derivatives] Mikhlin ED, et al.
Prikl Biokhim Mikrobiol 1983 Nov-Dec;19(6):795–803 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Pilot study of combination treatment for gall stones with medium dose chenodeoxycholic acid and a terpene preparation. Ellis WR, et al. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):153–6
The effect of quenching agents on contact urticaria caused by cinnamic aldehyde. Guin JD, et al.
J Am Acad Dermatol 1984 Jan;10(1):45–51
Effect of synthetic acyclic polyisoprenoids on the cold-restraint stress induced gastric ulcer in rats. Murakami M, et al. **Jpn J Pharmacol** 1983 Jun;33(3):549–56
[Sobrerol as an expectorant in patients with stable chronic airway diseases: a controlled study] Meyer-Shang H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:936–8 (Eng. Abstr.) **(Ger)**

TOXICITY

Growth reduction in trout induced by naphthenic and isoprenoid hydrocarbons (Dodecylcyclohexane and pristane). Luquet P, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):219–26
Perilla ketone toxicity: a chemical model for the study of equine restrictive lung disease. Breeze RG, et al.
Equine Vet J 1984 May;16(3):180–4
Effects of 3-methylcholanthrene on covalent binding and toxicity of 4-ipomeanol in inducible and non-inducible (B6D2) mice. Jones RB, et al. **Toxicology** 1983;28(3):183–91

TERPHENYL COMPOUNDS

ANALYSIS

Terferol, an inhibitor of cyclic adenosine 3',5'-monophosphate phosphodiesterase. II. Structural elucidation. Nakagawa F, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):10–2

ISOLATION & PURIFICATION

Terferol, an inhibitor of cyclic adenosine 3',5'-monophosphate phosphodiesterase. I. Isolation and characterization. Nakagawa F, et al. **J Antibiot (Tokyo)** 1984 Jan;37(1):6–9

TOXICITY

Impaired nerve-muscle interaction by percutaneous terphenyl exposure. Verkkala E, et al.
Res Commun Chem Pathol Pharmacol 1983 Jul;41(1):161–4

TERRITORIALITY

Odor modulation of ventral scent gland marking in the Mongolian gerbil. O'Connell RJ. **Behav Neurosci** 1984 Aug; 98(4):728–38
Terrestriality in the cyprinodontid fish Rivulus marmoratus: potential utility in H2S and other bioassays. Abel DC.
Bull Environ Contam Toxicol 1984 Jul;33(1):33–9
Selective anti-aggressive properties of DU 27725: ethological analyses of intermale and territorial aggression in the male rat. Oliver B. **Pharmacol Biochem Behav** 1981;14 Suppl 1:61–77
[Organization of loud calls (territorial vocalizations) during puberty, in male gibbon (Hylobates concolor gabriellae)] Goustard M. **C R Seances Acad Sci [III]** 1983;296(15):743–5 (Eng. Abstr.) **(Fre)**

TERRORISM see **VIOLENCE**

TESCHEN DISEASE see **ENCEPHALOMYELITIS, ENZOOTIC PORCINE**

TEST ANXIETY SCALE see under **PERSONALITY INVENTORY**

TEST-TUBE FERTILIZATION see **FERTILIZATION IN VITRO**

TESTICULAR DISEASES

BLOOD

[Testicular dysfunction with hyperprolactinemia] Ono K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:48–51 **(Jpn)**

CHEMICALLY INDUCED

Testicular pain caused by mazindol. McEwen J, et al.
Br Med J [Clin Res] 1983 Dec 10;287(6407):1763–4
Ultrastructural alterations in hexafluoroacetone-induced testicular atrophy in the rat. Lee KP, et al.
Exp Mol Pathol 1984 Feb;40(1):29–37
Changes induced by manganese in fish testis. Srivastava AK, et al. **Experientia** 1983 Nov 15;39(11):1309–10
The absence of testicular atrophy and in vivo and in vitro effects on hepatocyte morphology and peroxisomal enzyme activities in male rats following the administration of several alkanols. Rhodes C, et al. **Toxicol Lett** 1984 Apr; 21(1):103–9

COMPLICATIONS

Incomplete obstruction of the male genital tract: a cause of oligozoospermia. Jequier AM, et al. **Br J Urol** 1983 Oct; 55(5):545–6
Infertility in adult males with retractile testes. Nistal M, et al. **Fertil Steril** 1984 Mar;41(3):395–403
Testicular lymphangiectasis in Noonan's syndrome. Nistal M, et al. **J Urol** 1984 Apr;131(4):759–61
[Cystic testis dysplasia with ipsilateral kidney agenesis] Wegmann W, et al. **Schweiz Med Wochenschr** 1984 Jan 28;114(4):144–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Differentiating the acute scrotum. Noronha PA, et al.
Hosp Pract [Off] 1984 Mar;19(3):216–7, 223–42
Diagnostic ultrasound in the evaluation of a testicular mass. Kaiser MC, et al. **J Belge Radiol** 1983;66(5):383–4
Sonography of bilateral testicular epidermoid cysts. Caravelli JF, et al. **J Ultrasound Med** 1984 Jun;3(6):273–4
High-resolution sonographic detection of a gas-forming testicular abscess in a renal transplant patient. Danielson KS, et al. **J Ultrasound Med** 1984 Jan;3(1):45–7
Cysts of the tunica albuginea testis: a report of 3 cases with a review of the literature. Warner KE, et al. **J Urol** 1984 Jul;132(1):131–2
Ultrasonic diagnosis of scrotal contents using newly developed circular compound scanner. Kimura A, et al. **JCU** 1983 Sep;11(7):365–70
[Diseases of the testicles and their adnexae] Bouffioux C.
Rev Med Liege 1983 Nov 15;38(22):835–47 **(Fre)**
[A new simple procedure for immersion sonography of the scrotal contents in real time technic. II: contribution to the differential diagnosis of diseases of the scrotal contents] Fischer P, et al. **Ultraschall Med** 1983 Mar;4(1):15–20 (Eng. Abstr.) **(Ger)**
[New sonographic procedure for the study of the scrotal

contents with a rotating sound head] Penkert A. **Ultraschall Med** 1983 Mar;4(1):21–3 (Eng. Abstr.) **(Ger)**

[Special fields in sonography: the thyroid, breast and testes] Schneider G. **Wien Med Wochenschr** 1983 Oct 31; 133(19–20):507–13 (Eng. Abstr.) **(Ger)**

[Ultrasonic studies in testicular diseases. Preliminary report] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):153–6 (Eng. Abstr.) **(Pol)**

[Testicular xanthogranuloma juvenile] Wronecki K, et al. **Pol Tyg Lek** 1984 Jan 9;39(2):51–3 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Studies of rabbit testes infected with Treponema pallidum. II Local synthesis of antibodies. Wicher V, et al. **Br J Vener Dis** 1983 Dec;59(6):359–63

The effect of testicular torsion on contralateral testis and the production of antisperm antibodies in rabbits. Cerasaro TS, et al. **J Urol** 1984 Sep;132(3):577–9

PATHOLOGY

Testicular amyloidosis in hamsters experimentally infected with Leishmania donovani. Gonzalez JL, et al. **Br J Exp Pathol** 1983 Oct;64(5):518–23

Studies of rabbit testes infected with Treponema pallidum. I Immunopathology. Wicher K, et al. **Br J Vener Dis** 1983 Dec;59(6):349–58

Epidermoid cysts of testis. Cotter M, et al. **Clin Oncol** 1984 Jun;10(2):149–54

Epidermoid cysts of testis. Bonard M, et al. **Eur Urol** 1983; 9(6):366–7

[Malacoplakia of the testis] Fohlmeister I, et al. **Med Welt** 1984 Feb 10;35(6):178–81 **(Ger)**

[Epidermoid cyst of the testis] Rauschmeier H, et al. **Urologe [Ausg A]** 1984 Jul;23(4):240–2 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Direct contrast examination of the testis (orchigraphy) and its various diagnostic possibilities] Rzaev AIu. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):36–42 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide evaluation of acute scrotal disease. Nakielny RA, et al. **Clin Radiol** 1984 Mar;35(2):125–9

Scrotal scintigraphy: a review of 42 cases. Wise PA, et al. **Del Med J** 1983 Jul;55(7):421–4

Radionuclide testicular scanning. McCormack JL. **J Med Soc NJ** 1984 Mar;81(3):190–3

SURGERY

[Current surgical treatment of male infertility] Ruskova S, et al. **Khirurgiia (Sofiia)** 1983;36(1):51–7 (Eng. Abstr.) **(Bul)**

[Torsion of appendix of testis and epididymis: a report of 4 cases] Sakurai H, et al. **Hinyokika Kiyo** 1983 Dec; 29(12):1657–68 (Eng. Abstr.) **(Jpn)**

VETERINARY

Cystic rete testis in a cat and fox. Gelberg HB, et al. **Vet Pathol** 1983 Sep;20(5):634–6

Granulomatous orchitis and periorchitis caused by Pseudomonas pseudomallei in a goat. Fatimah I, et al. **Vet Rec** 1984 Jan 21;114(3):67–8

TESTICULAR FEMINIZATION

BLOOD

Gonadotropins and gonadal steroids in androgen insensitivity (testicular feminization) syndrome: effects of castration and sex steroid administration. Naftolin F, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):491–6

COMPLICATIONS

Testicular feminisation and a pelvic mass: case report of an unusual presentation. Dalrymple JC, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):159–61

Testicular carcinoma in situ in children with the androgen insensitivity (testicular feminisation) syndrome. Müller J, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1419–20

[Malignant degeneration in testicular feminization. Apropos of a case] Hoff J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):77–80 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Genetic counseling in a case of resistance to androgens (testicular feminization)] Penalosa B, et al. **J Genet Hum** 1983 Mar;31(1):73–6 **(Fre)**

[Male hermaphroditism syndrome in a newborn infant with multiple abnormalities] Godula-Stuglik U, et al. **Pediatr Pol** 1983 Dec;58(12):971–4 **(Pol)**

DRUG THERAPY

Effect of estrogens on luteinizing hormone release in testicular feminization syndrome before and after gonadectomy. Corsello SM, et al. **Obstet Gynecol** 1984 Mar;63(3):312–7

ETIOLOGY

Testicular feminization syndrome with Sertoli cell adenoma. Detre Z, et al. **Pathol Res Pract** 1984 Mar;178(4):403–6

FAMILIAL & GENETIC

Body size and shape in 46,XY females with complete testicular feminization. Varrela J, et al. **Ann Hum Biol** 1984 Jul–Aug;11(4):291–301

Carrier detection in the testicular feminisation syndrome: deficient 5 alpha-dihydrotestosterone binding in cultured skin fibroblasts from the mothers of patients with complete androgen insensitivity. Hodgins MB, et al. **J Med Genet** 1984 Jun;21(3):178–81

Danazol suppression of gonadal estradiol-17 beta secretion—report of two sibling cases with a complete form of testicular feminization on gonadal ultrastructure and endocrine status. Yoshida K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):133–41

[Morris syndrome. Morphometric study of the testis and genealogic analysis of 6 cases] Ricco R, et al. **Pathologica** 1983 Sep–Oct;75(1039):693–702 (Eng. Abstr.) **(Ita)**

[Interphase chromatin in lymphocytes in sex differentiation disorders] Iudina IE, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):81–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Characterization of androgen binding and deoxyribonucleic acid synthesis in prostate-like structures induced in the urothelium of testicular feminized (Tfm/Y) mice. Shannon JM, et al. **Biol Reprod** 1984 Aug;31(1):175–83

Incomplete androgen insensitivity syndrome: partially masculinized genitalia in two patients with absence of androgen receptor in cultured fibroblasts. Sultan C, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):565–74

[Syndromes of resistance to androgens] Kuttenn F, et al. **Ann Endocrinol (Paris)** 1983;44(5):327–31 (40 ref.) **(Fre)**

PATHOLOGY

Induction of Müllerian duct derivatives in testicular feminized (Tfm) mice by prenatal exposure to diethylstilbestrol. Kobayashi S. **Anat Embryol (Berl)** 1984; 169(1):35–9

An unusual case of male pseudohermaphroditism: complete testicular feminization associated with incomplete differentiation of the Müllerian duct. Oka M, et al. **Fertil Steril** 1984 Jan;41(1):154–6

Ultrastructure of the gonads in the testicular feminization syndrome. Pierre-Louis ML, et al. **J Natl Med Assoc** 1983 Dec;75(12):1177–84

PSYCHOLOGY

Psychological characterization of testicular feminization syndrome. Alvarez MA, et al. **Reproduccion** 1983 Jan–Jun; 7(1–2):9–15

RADIOGRAPHY

Computed tomography of testicular feminization. Hales ED, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):772–3

VETERINARY

Testicular feminization in the Finnish racoon dog (Nyctereutes procyonoides). Smith A, et al. **Nord Vet Med** 1983 Dec;35(12):452–9

TESTICULAR HORMONES

ANALYSIS

Immunocytochemical localization of Mullerian inhibiting substance in the rough endoplasmic reticulum and Golgi apparatus in Sertoli cells of the neonatal calf testis using a monoclonal antibody. Hayashi M, et al. **J Histochem Cytochem** 1984 Jun;32(6):649–54

BIOSYNTHESIS

Production of anti-Müllerian hormone: another homology between Sertoli and granulosa cells. Vigier B, et al. **Endocrinology** 1984 Apr;114(4):1315–20

Origin of anti-Müllerian hormone in bovine freemartin fetuses. Vigier B, et al. **J Reprod Fertil** 1984 Mar; 70(2):473–9

DEFICIENCY

Endocrinological problems in malformation of the male genitalia. Glatzl J. **Prog Pediatr Surg** 1984;17:1–10

IMMUNOLOGY

[Persistence of Mullerian ducts in the male rabbit by passive immunization against anti-mullerian hormone during fetal life] Picard JY, et al. **C R Seances Acad Sci [III]** 1983; 297(12):567–70 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Localization of epididymal secretory proteins on rat spermatozoa. Brooks DE, et al. **J Reprod Fertil** 1983 Nov; 69(2):651–7

Purification of testicular anti-Müllerian hormone allowing direct visualization of the pure glycoprotein and determination of yield and purification factor. Picard JY, et al. **Mol Cell Endocrinol** 1984 Jan;34(1):23–9

PHARMACODYNAMICS

Anti-Müllerian hormone is not cytotoxic to human endometrial cancer in tissue culture. Rosenwaks Z, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):166–9

PHYSIOLOGY

Mechanism of action of Mullerian inhibiting substance. Donahoe PK, et al. **Annu Rev Physiol** 1984;46:53–65 (49 ref.)

Is Mullerian-inhibiting substance a circulating hormone in the chick-quail chimera? Hutson JM, et al. **Endocrinology** 1983 Oct;113(4):1470–5

The role of a non-androgenic testicular factor in the process of testicular descent in the dog. Baumans V, et al. **Int J Androl** 1983 Dec;6(6):541–52

Phosphorylation events during Müllerian duct regression. Hutson JM, et al. **Science** 1984 Feb 10;223(4636):586–9

SECRETION

Quantitative metabolic profiling of testicular steroid secretions with bonded-phase capillary gas chromatography. Chubb C, et al. **J Chromatogr** 1984 Jun 8;308:11–8

THERAPEUTIC USE

Müllerian inhibiting substance inhibition of a human endometrial carcinoma cell line xenografted in nude mice. Fuller AF Jr, et al. **Gynecol Oncol** 1984 Jan;17(1):124–32

TESTICULAR INTERSTITIAL CELLS see **LEYDIG CELLS**

TESTICULAR NEOPLASMS

Testicular germ cell neoplasms. Hainsworth JD, et al. **Am J Med** 1983 Nov;75(5):817–32 (121 ref.)

Comparison of NMR and CT imaging in the evaluation of metastatic retroperitoneal lymphadenopathy from testicular carcinoma. Ellis JH, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):709–19

Spinal cord compression by metastatic testicular embryonal carcinoma. Deb HK, et al. **J Indian Med Assoc** 1983 Nov; 81(9–10):168–70

Testicular teratoma [letter] Jones WG, et al. **J R Army Med Corps** 1983 Jun;129(2):121–2

Seminoma metastatic to the orbit. Ballinger WH Jr, et al. **Ophthalmic Surg** 1984 Feb;15(2):120–1

[Testicular tumors call for interdisciplinary cooperation. Experiences of the Malignant Testicular Tumors Project Group at the Munich Cancer Center (interview)] Löhrs M. **MMW** 1984 Jan 13;126(2):31–2 **(Ger)**

[Embryonal rhabdomyosarcoma of the testis] Dandria A, et al. **Minerva Pediatr** 1984 Feb 28;36(4):201–4 (Eng. Abstr.) **(Ita)**

ANALYSIS

The prevalence and prognostic significance of trophoblastic proteins in testicular teratoma. Masters JR, et al. **Diagn Histopathol** 1983 Jul–Dec;6(3–4):247–52

Germ cell tumours of the testis. Risdon RA. **J Pathol** 1983 Nov;141(3):355–61

Localization of alpha-fetoprotein and human chorionic gonadotropin to specific histologic types of nonseminomatous testicular cancer. Fowler JE Jr, et al. **Urology** 1983 Dec;22(6):649–54

[Importance of the intracellular detection of alpha-fetoprotein and beta-human chorionic gonadotropin in a testicular tumor using immunoperoxidase] Schwarz HP, et al. **Wien Klin Wochenschr** 1984 Mar 16;96(6):230–4 (Eng. Abstr.) **(Ger)**

['Fibrous long-spacing collagen' in seminomas] Kosmehl H, et al. **Zentralbl Allg Pathol** 1983;128(3–4):227–30 (Eng. Abstr.) **(Ger)**

[HCG-positive cells in seminoma of the testis] Gotoh S, et al. **Hinyokika Kiyo** 1984 Feb;30(2):169–73 (Eng. Abstr.) **(Jpn)**

BLOOD

Prognostic significance of a decline in serum human chorionic gonadotropin levels after initial chemotherapy for advanced germ-cell carcinoma. Picozzi VJ Jr, et al. **Ann Intern Med** 1984 Feb;100(2):183–6

Experience with beta-HCG-positive seminoma. Kuber W, et al. **Br J Urol** 1983 Oct;55(5):555–9

Affinity chromatography used in distinguishing alpha-fetoprotein in serum from patients with tumors of hepatic parenchyma and of germ cells. Buamah PK, et al. **Clin Chem** 1984 Jul;30(7):1257–8

Human chorionic gonadotropin in seminoma. Javadpour N. **J Urol** 1984 Feb;131(2):407

A graphical method to analyze serum tumor marker decay in nonseminomatous testis tumors. Lo RK, et al. **J Urol** 1984 May;131(5):896–8

Should an elevated human chorionic gonadotropin titer alter

therapy for seminoma? Swartz DA, et al. **J Urol** 1984 Jan; 131(1):63–5

High level of beta hCG in spermatic vein of patients with seminoma [letter] Fiet J, et al. **Lancet** 1983 Nov 19; 2(8360):1195

Cannabinoids and hCG levels in patients with testicular cancer [letter] Hogan P, et al. **Lancet** 1983 Nov 12; 2(8359):1144

Relationship of blood group to testicular carcinoma. Jordan GH, et al. **Urology** 1983 Sep;22(3):265–7

[Comparison of the value of LDH isoenzyme and tissue polypeptide antigen levels in tumor patients during radiotherapy and as a control of tumor growth] Zeller L. **Strahlentherapie** 1983 Nov;159(11):713–9 (Eng. Abstr.) **(Ger)**

[Significance of tumor markers in the diagnosis and follow-up of therapeutic effects in testicular tumors] Farkas L, et al. **Orv Hetil** 1984 Jul 15;125(29):1747–51 (Eng. Abstr.) **(Hun)**

[Evaluation of serum alpha-1-fetoprotein studies in patients with testicular tumors receiving adjuvant and curative chemotherapy] Tóth I, et al. **Orv Hetil** 1983 Oct 30; 124(44):2661–8 (Eng. Abstr.) **(Hun)**

[Clinical outcome of adult testicular tumor. I. Study on patients of nonseminoma with negative human chorionic gonadotropin] Kawai T, et al. **Hinyokika Kiyo** 1984 May; 30(5):627–37 (Eng. Abstr.) **(Jpn)**

[Evaluation of serum AFP, HCG, and CEA in testicular tumor] Miki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1236–47 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Experimental testicular cancer containing primarily squamous cell carcinoma—a comparative investigation of a rat ovarian cancer. Nishida T, et al. **Kurume Med J** 1983; 30(3):113–6

COMPLICATIONS

Learned food aversions: heterogeneity of animal models of tumor-induced anorexia. Bernstein IL, et al. **Appetite** 1983 Jun;4(2):79–86

Successful surgical treatment of malignant hypertension due to metastatic seminoma. Kearsley JH, et al. **Australas Radiol** 1983 Nov;27(3):283–4

Carcinoma in situ in testicular biopsies from men presenting with infertility. Pryor JP, et al. **Br J Urol** 1983 Dec; 55(6):780–4

Testicular carcinoma in situ in children with the androgen insensitivity (testicular feminisation) syndrome. Müller J, et al. **Br Med J [Clin Res]** 1984 May 12;288(6428):1419–20

The effects of dichloromethylene diphosphonate on hypercalcemia and other parameters of the humoral hypercalcemia of malignancy in the rat Leydig cell tumor. Martodam RR, et al. **Calcif Tissue Int** 1983 Jul; 35(4–5):512–9

Gynecomastia and Leydig cell tumors in the adult. Siegel SW, et al. **Cleve Clin Q** 1984 Summer;51(2):395–9

Infertility caused by bilateral testicular masses secondary to congenital adrenal hyperplasia (21-hydroxylase deficiency). Cutfield RG, et al. **Fertil Steril** 1983 Dec; 40(6):809–14

Pseudo-precocious puberty in a young boy due to interstitial cell adenomas of the testis. Rosenberg T, et al. **Helv Paediatr Acta** 1984 Mar;39(1):79–87

A patient with testis seminoma, sarcoidosis, and neutropenic enterocolitis. Colebunders R, et al. **Hum Pathol** 1984 Apr; 15(4):394–6

Associated gonadoblastoma and seminoma in a patient with müllerian duct derivatives. Mercati U, et al. **Ital J Surg Sci** 1984;14(2):143–7

Testicular tumor presenting with lymph node calcification on computed tomography: a case report. Thornton A, et al. **J Comput Tomogr** 1984 Jul;8(3):245–8

Malignancy in an intra-abdominal testis with renal agenesis (a case report). Chaudhary A, et al. **J Postgrad Med** 1983 Oct;29(4):261–2

Dermatomyositis associated with treated testicular carcinoma [letter] Fife RS, et al. **J Rheumatol** 1984 Jun;11(3):397–8

Possible association between cryptorchidism and testicular adenomatoid tumor [letter] Bar-Moshe O, et al. **J Urol** 1984 Mar;131(3):559

Gynecomastia in association with a complex tumor of the testis secreting chorionic gonadotropin: studies on the testicular venous effluent. Gabrilove JL, et al. **J Urol** 1984 Feb;131(2):348–50

Rebound thymic hyperplasia in a child with cancer. Bell BA, et al. **Med Pediatr Oncol** 1984;12(2):144–7

Testicular feminization syndrome with Sertoli cell adenoma. Detre Z, et al. **Pathol Res Pract** 1984 Mar;178(4):403–6

Benign Leydig cell tumour and germ cell carcinoma in situ in a young man with gynaecomastia. Fink RS, et al. **Postgrad Med J** 1984 Jan;60(699):66–9

Male pseudohermaphrodism with persistent müllerian and wolffian structures complicated by intra-abdominal seminoma. Malayaman D, et al. **Urology** 1984 Jul;24(1):67–9

[Bilateral sexual cord tumors in male pseudohermaphroditism] Trifirò G, et al. **Pediatr Med Chir** 1983 Mar-Apr;5(1–2):99–102 (Eng. Abstr.) **(Ita)**

[A case of mixed gonadal dysgenesis with gonadoblastoma] Konishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2142–7 (Eng. Abstr.) **(Jpn)**

[Blood coagulation disorder during the combined treatment of testicular tumor patients] Popov AI, et al. **Vopr Onkol** 1983;29(10):43–5 (Eng. Abstr.) **(Rus)**

[Undescended testis in relation to tumors of the testes] Ondruš D. **Bratisl Lek Listy** 1984 Apr;81(4):451–5 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

The management of testicular epidermoid cysts and other benign intra-tunica albuginea testicular tumours with particular reference to scrotal ultrasound studies. Brown RB. **Aust NZ J Surg** 1984 Jun;54(3):229–32

Testicular relapse in childhood acute lymphoblastic leukaemia in Malaysia, 1967–82. Lin HP, et al. **Aust Paediatr J** 1984 Mar;20(1):53–6

Ultrasonic detection of occult testicular neoplasms in patients with gynaecomastia. Hendry WS, et al. **Br J Radiol** 1984 Jul;57(679):571–2

Antikeratin antibodies in tumor diagnosis. Distinction between seminoma and embryonal carcinoma. Battifora H, et al. **Cancer** 1984 Sep 1;54(5):843–8

The diagnosis and treatment of yolk sac tumors in infants and children. Green DM. **Cancer Treat Rev** 1983 Dec; 10(4):265–88 (239 ref.)

Lactate dehydrogenase and its isoenzyme, LDH-1, in serum are markers of testicular germ cell tumors [letter] von Eyben FE, et al. **Clin Chem** 1984 Feb;30(2):340–1

Testicular tumors: oncologic imaging and diagnosis. Heiken JP, et al. **Int J Radiat Oncol Biol Phys** 1984 Feb; 10(2):275–87 (64 ref.)

'Red herrings,' adolescents, and testicular tumors. Tellier PP, et al. **J Adolesc Health Care** 1983 Dec;4(4):282–4

Diagnostic ultrasound in the evaluation of a testicular mass. Kaiser MC, et al. **J Belge Radiol** 1983;66(5):383–4

Painful gynecomastia following cytotoxic therapy for testis cancer: a potentially favorable prognostic sign? Trump DL, et al. **J Clin Oncol** 1983 Jul;1(7):416–20

Teaching about testicular cancer and testicular self-examination. Marty PJ, et al. **J Sch Health** 1983 Aug; 53(6):351–6

The search for a consensus for early detection of bilateral seminoma. Danielli L. **J Surg Oncol** 1983 Oct;24(2):94–5

Case of the month: ectomesenchymoma (malignant testicular tumor). Bechtold RE, et al. **J Ultrasound Med** 1984 Feb; 3(2):R20, R22

Ultrasonographic detection of 'burned-out' primary testicular germ cell tumors in clinically normal testes. Shawker TH, et al. **J Ultrasound Med** 1983 Oct;2(10):477–9

Ultrasonic diagnosis of scrotal contents using newly developed circular compound scanner. Kimura A, et al. **JCU** 1983 Sep;11(7):365–70

High-resolution ultrasonographic and pathologic abnormalities of germ cell tumors in patients with clinically normal testes. Kirschling RJ, et al. **Mayo Clin Proc** 1983 Oct;58(10):648–53

Case 22-1984: seminoma [letter] Weiner MJ. **N Engl J Med** 1984 Sep 20;311(12):800–1

Carcinoma of the bladder, prostate and testicle. Garland JB. **Practitioner** 1984 Aug;228(1394):725–9

Clinical and morphological characteristics of genital gland tumors in children. Doncheva N, et al. **Probl Med Wieku Rozwoj** 1979;9:335–9

Extramedullary leukaemia. Kay HE. **Prog Clin Biol Res** 1983; 132D:451–7

Asymptomatic scrotal masses in children. Barth RA, et al. **Radiology** 1984 Jul;152(1):65–8

Neuroblastoma metastatic to the testis: ultrasonographic screening as an aid to clinical staging. Casola G, et al. **Radiology** 1984 May;151(2):475–6

Occult testicular interstitial-cell tumor in a patient with gynecomastia: ultrasonic detection. Emory TH, et al. **Radiology** 1984 May;151(2):474

Epidermoid cyst of testicle. Ultrasonographic characteristics. Cohen EL, et al. **Urology** 1984 Jul;24(1):79–81

Water-path echotomography in differential diagnosis of scrotal masses. Guazzieri S, et al. **Urology** 1984 Apr; 23(4):396–8

[Evidence of biochemical markers in a complex diagnostico-therapeutic program in germ cell tumors of the testes] Abrahámová J, et al. **Cas Lek Cesk** 1983 Jul 1;122(26):824–9 (Eng. Abstr.) **(Cze)**

[Extramedullary manifestations in acute lymphoblastic leukemia in childhood] Starý J, et al. **Cesk Pediatr** 1983 Sep;38(9):513–8 (Eng. Abstr.) **(Cze)**

[Malignant mesothelioma in the tunica vaginalis of the testis] Schou S, et al. **Ugeskr Laeger** 1984 Jan 16;146(3):196–7 (Eng. Abstr.) **(Dan)**

[Testicular cancer] Altwein JE. **MMW** 1984 Jan 13; 126(2):13–5 **(Ger)**

[Diagnosis and therapy of germinal testicular tumors. The function of the pathologist] Hermanek P. **MMW** 1984 Jan 13;126(2):24–7 **(Ger)**

[Germinal testicular carcinoma. Clinical aspects, differential diagnosis, indications and surgical treatment of retroperitoneal metastases] Sigel A, et al. **MMW** 1984 Jan 13;126(2):19–24 **(Ger)**

[Testicular tumor staging: the ranking of CT and ultrasonic diagnosis] Hruby W, et al. **Roatgenblatter** 1984 Apr; 37(4):123–6 (Eng. Abstr.) **(Ger)**

[Diagnostic value of Doppler sonography in acute urologic disease pictures in the scrotal area] Heynemann H, et al. **Z Arztl Fortbild (Jena)** 1984;78(5):203–5 **(Ger)**

[Early diagnosis of testicular tumor] Scheiber K. **ZFA (Stuttgart)** 1983 Oct 10;59(28):1541–3 **(Ger)**

[A case of Leydig cell tumor] Belgrano G, et al. **Minerva Urol** 1983 Jul-Sep;35(3):227–30 (Eng. Abstr.) **(Ita)**

[A case of malignant lymphoma with the chief complaint of right intrascrotal tumor] Fuse H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):345–50 (Eng. Abstr.) **(Jpn)**

[A case of testicular tumor with uncommon clinical course: testicular lesion that was initially not palpable led to a wrong diagnosis of huge retroperitoneal hematoma due to trauma] Oki M, et al. **Hinyokika Kiyo** 1984 Jan;30(1):77–80 (Eng. Abstr.) **(Jpn)**

[Studies on the tumor markers in the germinal testicular tumors. Cellular localization of alpha-fetoprotein (AFP), human chorionic gonadotropin (HCG) and carcinoembryonic antigen (CEA) in germinal testicular tumors using an indirect immunoperoxidase method] Miki T. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):503–22 (Eng. Abstr.) **(Jpn)**

[Metastasis of testicular embryonal cancer into the bronchi simulating primary lung neoplasm] Pirożyński M, et al. **Pneumonol Pol** 1984 Feb;52(2):87–90 (Eng. Abstr.) **(Pol)**

[Bilateral tumors of the testis] Matveev BP, et al. **Vopr Onkol** 1984;30(2):65–9 (Eng. Abstr.) **(Rus)**

[Rhabdomyosarcoma of the epididymis] Robles García JE, et al. **Arch Esp Urol** 1984 Jan-Feb;37(1):43–8 (Eng. Abstr.) **(Spa)**

[Testicular recurrences in acute leukemia] Ortega Aramburu JJ. **Med Clin (Barc)** 1984 May 26;82(20):889–92 **(Spa)**

DRUG THERAPY

Chemotherapy of primary (in situ) testicular tumours: response in advanced metastatic disease. Calvo F, et al. **Br J Urol** 1983 Oct;55(5):560–3

Dose-response and dose-survival advantage for high versus low-dose cisplatin combined with vinblastine and bleomycin in disseminated testicular cancer. A Southwest Oncology Group study. Samson MK, et al. **Cancer** 1984 Mar 1;53(5):1029–35

The VAB-6 regimen in the treatment of metastatic seminoma. Vugrin D, et al. **Cancer** 1984 Jun 1; 53(11):2422–4

Correlation of serum tumor markers in advanced germ cell tumors with responses to chemotherapy and surgery. Vugrin D, et al. **Cancer** 1984 Mar 15;53(6):1440–5

Vincristine, cisplatin, and bleomycin with surgery in the management of advanced metastatic nonseminomatous testis tumors. Wettlaufer JN, et al. **Cancer** 1984 Jan 15; 53(2):203–9

Treatment of murine testicular leukemia. Hoots WK, et al. **Cancer Res** 1984 Jun;44(6):2464–6

Continuous infusion versus intermittent bolus injection of bleomycin in a human embryonal testicular cancer xenograft. Osieka R, et al. **Cancer Treat Rep** 1984 May; 68(5):799–801

Ifosfamide in combination chemotherapy for sarcomas and testicular carcinomas. Niederle N, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:129–35

Non-seminomatous germ cell tumors of the testis: morphology of retroperitoneal lymph node metastases after chemotherapy. Suurmeijer AJ, et al. **Eur J Cancer Clin Oncol** 1984 Jun;20(6):727–34

Multivariate analysis of risk factors in patients with metastatic testicular germ cell tumors treated with vinblastine and bleomycin. von Eyben FE, et al. **Invasion Metastasis** 1982; 2(2):125–35

Transient left homonymous hemianopsia and encephalopathy following treatment of testicular carcinoma with cisplatinum, vinblastine, and bleomycin. Cohen RJ, et al. **J Clin Oncol** 1983 Jun;1(6):392–3

Fertility after chemotherapy for testicular cancer. Drasga RE, et al. **J Clin Oncol** 1983 Mar;1(3):179–83

The use of different induction and maintenance chemotherapy regimens for the treatment of advanced yolk sac tumors. Green DM, et al. **J Clin Oncol** 1983 Feb; 1(2):111–6

Chemotherapy of refractory germ cell cancer with Etoposide. Lederman GS, et al. **J Clin Oncol** 1983 Nov; 1(11):706–9

Bronchial rupture as a complication of response to combination chemotherapy in metastatic testicular carcinoma. Doty JD, et al. **J Urol** 1984 Jul;132(1):135–6

Adjuvant chemotherapy for stage II nonseminomatous testicular cancer. Javadpour N. **J Urol** 1984 May; 131(5):1019

Management of massive bulky disseminated nonseminomatous testicular cancer with poor prognostic features [letter] Javadpour N. **J Urol** 1984 Jun;131(6):1248

Recurrent testis cancer: seeding from retroperitoneal nodes after complete remissions by chemotherapy. Kamer M, et al. **J Urol** 1983 Dec;130(6):1196–8

No adjuvant chemotherapy in selected patients with pathologic stage II nonseminomatous germ cell tumors of the testis. Pizzocaro G, et al. **J Urol** 1984 Apr;131(4):677–80

Testicular function following combination chemotherapy with cis-platin, vinblastine, and bleomycin. Johnson DH, et al. **Med Pediatr Oncol** 1984;12(4):233–8

Inclusion of cisplatinum (cis-DDP, Platidiam, Lachema) into combined chemotherapeutic protocol for the treatment of

testicular cancer. Bodrogi I, et al. **Neoplasma** 1983; 30(5):557–61

Influence of platinum-induced renal toxicity on bleomycin-induced pulmonary toxicity in patients with disseminated testicular carcinoma. van Barneveld PW, et al. **Oncology** 1984;41(1):4–7

Non-seminoma stage III. Current possibilities of 'salvage' chemotherapy. Schmidt CG. **Prog Clin Biol Res** 1984; 153:201–18

The role of induction and maintenance chemotherapy in disseminated testicular non-seminomatous cancer. van Groeningen CJ, et al. **Prog Clin Biol Res** 1984;153:225–32 (25 ref.)

Treatment of seminomas with chemotherapy. van Oosterom AT, et al. **Prog Clin Biol Res** 1984;153:103–9

Comparison of cisplatin + bleomycin + either vinblastine or VP-16 in disseminated testicular cancer: a preliminary report. Williams SD, et al. **Prog Clin Biol Res** 1984; 153:219–23

Limitations and problems in clonogenic assays and chemosensitivity for cancer [letter] Javadpour N. **Urology** 1983 Dec;22(6):674–5

[Testicular cancer] Michel J. **Rev Med Liege** 1984 Feb 1; 39(3):91–4 **(Fre)**

[Comparison of a continuous infusion with a daily bolus injection of bleomycin in a heterotransplanted human testicular cancer] Osieka R. **Arzneimittelforsch** 1984; 34(4):460–4 (Eng. Abstr.) **(Ger)**

[Bleomycin-induced pulmonary infiltrations in the treatment of testicular cancer] Clemm C, et al. **Klin Wochenschr** 1984 Feb 1;62(3):138–44 (Eng. Abstr.) **(Ger)**

[Chemotherapy of non-seminoma testicular cancer. Chances of recovery in a metastasizing malignant tumor] Gallmeier WM, et al. **MMW** 1984 Jan 13;126(2):14–9 **(Ger)**

[Testicular tumors—a breakthrough?] Schmidt CG. **Schweiz Med Wochenschr** 1983 Sep 10;113(36):1293–300 (Eng. Abstr.) **(Ger)**

[Limitations of tumor marker surveillance after chemotherapy in advanced non-seminomatous testicular tumors] Behrendt H, et al. **Urol Int** 1983;38(5):307–9 (Eng. Abstr.) **(Ger)**

[Chemotherapy of malignant testicular tumors] Weissbach L, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:310–21 (Eng. Abstr.) **(Ger)**

[Cytostatic treatment of non-seminoma testicular carcinomas] Brockmann B, et al. **Z Arztl Fortbild (Jena)** 1983;77(20):863–6 **(Ger)**

[Chemotherapeutic treatment regimens for germinal testicular tumors] Hofmann W, et al. **Z Urol Nephrol** 1983 Nov;76(11):741–50 (50 ref.) **(Ger)**

[Bleomycin, vinca alkaloid and cis-diamminedichloroplatinum combination chemotherapy for advanced testicular tumors] Fukui I, et al. **Gan No Rinsho** 1984 May;30(5):487–95 (Eng. Abstr.) **(Jpn)**

[A case of advanced testicular seminoma—chemotherapy and serum marker] Nakamura K, et al. **Gan No Rinsho** 1983 Dec;29(15):1779–82 (Eng. Abstr.) **(Jpn)**

[Combination chemotherapy with bleomycin, vincristine and methotrexate for stage I non-seminomatous germ cell testicular tumors] Fukui I, et al. **Hinyokika Kiyo** 1983 Feb; 29(2):191–8 (Eng. Abstr.) **(Jpn)**

[Use of vepeside in mono- and polychemotherapy of various malignant neoplasms] Pawlicki M. **Nowotwory** 1983 Oct-Dec;33(4):361–6 (Eng. Abstr.) **(Pol)**

[Use of bleomycetin in malignant testicular tumors and the problem of studying bleomycin analogs] Lichinitser MR, et al. **Antibiotiki** 1984 Jun;29(6):468–73 (Eng. Abstr.) **(Rus)**

[Belomycetin in the combined chemotherapy of testicular tumors] Manziuk LV, et al. **Antibiotiki** 1983 Aug; 28(8):632–4 (Eng. Abstr.) **(Rus)**

[Study of various markers (alpha fetoprotein, chorionic gonadotropin, lactate dehydrogenase) during chemotherapy of malignant testicular tumors] Lichinitser MR, et al. **Ter Arkh** 1984;56(6):77–9 **(Rus)**

[Use of prolonged intravenous infusions of cisplatin in patients with malignant neoplasms] Tiuliadin SA. **Vopr Onkol** 1983;29(12):40–4 (Eng. Abstr.) **(Rus)**

[Critical analysis of the efficacy and toxicity of current chemotherapy in advanced non-seminoma testicular cancer: 3 years' experience] Germa Lluch JR, et al. **Actas Urol Esp** 1984 Jan-Feb;8(1):53–8 (Eng. Abstr.) **(Spa)**

[Delayed platinum diamminodichloride toxicity in patients with germ tumors of the gonads] Germà Lluch JR, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):442–5 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

A histochemical and immunohistological study of a testicular malignant teratoma containing embryonic and extraembryonic elements in various stages of development. Shousha S, et al. **Histopathology** 1984 Jan;8(1):125–34

ENZYMOLOGY

Immunohistochemical localization of lactate dehydrogenase isoenzyme 1 in germ cell tumors of the testis. Murakami SS, et al. **Am J Clin Pathol** 1984 Mar;81(3):293–6

An immunohistological study of testicular germ cell tumours using two different monoclonal antibodies against placental alkaline phosphatase. Epenetos AA, et al. **Br J Cancer** 1984 Jan;49(1):11–5

The pattern of gamma-glutamyl transpeptidase, alkaline phosphatase, serum glutamyl oxalate transaminase and serum glutamyl pyruvate transaminase in patients with disseminated non-seminomatous testicular tumors. van 't Sant P, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):209–15

Lactate dehydrogenase and its isoenzymes in testicular germ cell tumors: an overview. von Eyben FE. **Oncodev Biol Med** 1983;4(6):395–414

[Plasma lactate dehydrogenase and its isoenzymes in nonseminomatous germ cell tumors of the testis] Canal P, et al. **Pathol Biol (Paris)** 1984 Apr;32(4):245–50 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Malignant degeneration in cryptorchid testes. A report of two cases. Mortensen J, et al. **Andrologia** 1983 Nov-Dec; 15(6):709–12

Teratoma of the testis in the prune belly syndrome. Woodhouse CR, et al. **Br J Urol** 1983 Oct;55(5):580–1

Intra-abdominal torsion of seminoma-testis. Surana SS, et al. **Indian J Cancer** 1983 Sep-Oct;20(4):218–20

Genitourinary tumors III: Cancer of the testicle. Graham SD Jr. **J Med Assoc Ga** 1983 Nov;72(11):791–4

Estrogen exposure during gestation and risk of testicular cancer. Depue RH, et al. **JNCI** 1983 Dec;71(6):1151–5

Steroid sulphatase deficiency associated with testis cancer. Lykkesfeldt G, et al. **Lancet** 1983 Dec 24–31; 2(8365–66):1456

Testicular cancer associated with employment in agriculture and oil and natural gas extraction. Mills PK, et al. **Lancet** 1984 Jan 28;1(8370):207–10

Malignant intra-abdominal testis. A case report. Adamthwaite DN, et al. **S Afr Med J** 1984 Jul 28; 66(4):153–4

[Malignant change of undescended testis: report of 13 cases] Li XH. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):521–2 (Eng. Abstr.) **(Chi)**

[Five cases of malignancy in the cryptorchid testicles] Sato N, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1525–30 (Eng. Abstr.) **(Jpn)**

[Tumor of a testis repositioned into the abdominal cavity] Bukharkin BV, et al. **Urol Nefrol (Mosk)** 1984 May-Jun; (3):66 **(Rus)**

FAMILIAL & GENETIC

Familial cryptorchidism and testicular tumors in non-twin brothers. Kulkarni R, et al. **Ann Clin Lab Sci** 1983 Jul-Aug; 13(4):327–31

Dizygotic twinning, cryptorchism, and seminoma in a sibship. Anderson KC, et al. **Cancer** 1984 Jan 15;53(2):374–6

i(12p): specific chromosomal marker in seminoma and malignant teratoma of the testis? Atkin NB, et al. **Cancer Genet Cytogenet** 1983 Oct;10(2):199–204

Malignant teratoma of the testis with an isochromosome no. 12, i(12p), as the sole structural cytogenetic abnormality. Gibas Z, et al. **J Urol** 1984 Apr;131(4):762–3

Familial gonadal neoplasms [letter] DiBella NJ. **N Engl J Med** 1983 Dec 1;309(22):1389

Father-son testicular (teratocarcinoma) malignancy. Klein FA, et al. **Urology** 1983 Sep;22(3):281–3

Testicular tumor in blacks. McDonald MW, et al. **Urology** 1984 Jun;23(6):543–6

Familial patterns of testicular cancer. Mills PK, et al. **Urology** 1984 Jul;24(1):1–7

[Contribution on the familial occurrence of malignant testicular tumors] Kleinteich B, et al. **Arch Geschwulstforsch** 1983;53(4):357–61 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immunohistochemical studies of ovarian and testicular teratomas with antiserum to glial fibrillary acidic protein. Haugen OA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):9–14

Human teratomas express differentiated neural antigens. An immunohistochemical study with anti-neurofilament, anti-glial filament, and anti-myelin basic protein monoclonal antibodies. Trojanowski JQ, et al. **Am J Pathol** 1984 Jun;115(3):383–9

Suppression of the mitogen response of normal lymphocytes by serum from patients with testicular germ cell tumors. von Eyben FE, et al. **Am J Reprod Immunol** 1983 Jul-Aug; 4(1):5–10

Non-seminomatous germ cell tumors of the testis. Analysis of CEA production in primary tumors and in retroperitoneal lymph node metastases after PVB chemotherapy. Suurmeijer AJ, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):601–8

Carcinoembryonic antigen in germ cell tumours of the testis. An immunohistochemical study. Matoška J. **Histochem J** 1984 Apr;16(4):422–5

Adenomatoid tumor: immunohistochemical demonstration of epithelial membrane antigen (E.M.A.). Bonetti F, et al. **Pathologica** 1984 Jan-Feb;76(1041):15–9

METABOLISM

Leydig cell hyperplasia due to a testicular embryonal carcinoma producing human chorionic gonadotropin. Asa SL, et al. **Andrologia** 1984 Mar-Apr;16(2):146–55

Down-regulation of gonadotropin receptors in a murine Leydig tumor cell line. Rebois RV, et al. **J Biol Chem** 1984 Mar 10;259(5):3096–101

Immunohistochemical demonstration of hemoglobin F (HbF) in testicular germ cell tumors. Jacobsen GK, et al. **Oncodev Biol Med** 1983;4(6):C45–51

Tumor markers in testicular germ cell tumors related to the stage of the disease at the time of diagnosis. Jacobsen GK. **Oncodev Biol Med** 1983;4(6):C39–44

[Clinical outcome of adult testicular tumor. II. Study on patients with positive human chorionic gonadotropin] Sakuramoto T, et al. **Hinyokika Kiyo** 1984 May; 30(5):639–49 (Eng. Abstr.) **(Jpn)**

[Clinical application of the theoretical and actual decay curves of serum AFP on patients with AFP producing tumor testicular] Kawakami Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):790–7 (Eng. Abstr.) **(Jpn)**

[Hormonal balance characteristics of patients with malignant testicular tumors in relation to the histological type of tumor] Tiutiunova AM, et al. **Vopr Onkol** 1984;30(2):58–64 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Production of virions with retrovirus morphology by human embryonal carcinoma cells in vitro. Bronson DL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1043–51

MORTALITY

Testicular tumors: delay in diagnosis and influence on survival. Prout GR Jr, et al. **Am Fam Physician** 1984 May; 29(5):205–9

OCCURRENCE

Cancer of the breast, colon, ovary, and testis in the United States: rates 1970–78 from a hospital reporting system. Porter JB, et al. **Am J Public Health** 1984 Jun;74(6):585–8

Carcinoma of the testis in podiatrists. Rose LI, et al. **Ann Intern Med** 1983 Nov;99(5):636–7

The increasing incidence of testicular cancer in East Anglia. Nethersell AB, et al. **Br J Cancer** 1984 Sep;50(3):377–80

Epidemiologic comparison of cancer of the testis and Hodgkin's disease among young males. Newell GR, et al. **Cancer** 1984 Sep 15;54(6):1117–23

Incidence and detection of testicular leukemia in children. Klein EA, et al. **Cleve Clin Q** 1984 Summer;51(2):401–4

Five-year register and multicenter study for testicular tumours Bonn. Vahlensieck W, et al. **Int Urol Nephrol** 1984; 16(2):149–56

Seminoma in undescended testes. Jose B, et al. **J Surg Oncol** 1984 Apr;25(4):252–4

Testicular cancer and farming [letter] Brown LM, et al. **Lancet** 1984 Jun 16;1(8390):1356

Testis cancer risk among farmers in Denmark [letter] Jensen OM, et al. **Lancet** 1984 Apr 7;1(8380):794

Testicular cancer and employment in agriculture [letter] McDowall M, et al. **Lancet** 1984 Mar 3;1(8375):510–1

Morphology and incidence of testicular tumors in western Austria (1945–1980). Mikuz G, et al. **Zentralbl Allg Pathol** 1984;129(2):91–100

[Registry and combined study of testicular tumors. Results of a 7-year study] Weissbach L, et al. **ZFA (Stuttgart)** 1984 Feb 10;60(4):156–63 **(Ger)**

[A review of the cases of testicular tumors reported in the Annual of Pathological Autopsy Cases in Japan] Kiriyama T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):155–68 (Eng. Abstr.) **(Jpn)**

[A case report of malignant fibrous histiocytoma of the scrotal wall. A statistical study of 56 cases of primary tumors of the scrotal wall in Japanese literature] Noguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan; 75(1):138–45 (Eng. Abstr.) **(Jpn)**

[Intrascrotal neoplasms among the cases of the Institute of Pathology of the Medical Academy in Cracow] Frasik W. **Patol Pol** 1983 Jul-Sep;34(3):257–67 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Paratesticular rhabdomyosarcoma. Kage M, et al. **Acta Pathol Jpn** 1983 Jul;33(4):817–21

Maturation in metastatic testicular teratomas presumably induced by chemotherapy and radiation treatment. Motlik K, et al. **Acta Univ Carol [Med] (Praha)** 1983;29(1–2):89–102

Testicular yolk sac and embryonal carcinomas in pediatric patients: comparative immunohistochemical and clinicopathologic study. Wold LE, et al. **Am J Clin Pathol** 1984 Apr;81(4):427–35

Diffuse embryoma of the testis. A distinctive form of mixed germ cell tumor. Cardoso de Almeida PC, et al. **Am J Surg Pathol** 1983 Oct;7(7):633–42

Adenocarcinoma of the rete testis. Case report, ultrastructural observations, and clinicopathologic correlates. Nochomovitz LE, et al. **Am J Surg Pathol** 1984 Aug;8(8):625–34

A combined germ cell–gonadal stromal–epithelial tumor of the ovary or a hamartoma [letter] Talerman A. **Am J Surg Pathol** 1984 Aug;8(8):638–40

Primary testicular abnormalities causing precocious puberty Leydig cell tumor, Leydig cell hyperplasia, and adrenal rest tumor. Wilson BE, et al. **Ann Clin Lab Sci** 1983 Jul–Aug;13(4):315–20

Biochemical markers for testicular germ-cell tumors in relation to histology and stage: some experiences from the Danish testicular cancer (DATECA) Study from 1976 through 1981. Nørgaard-Pedersen B, et al. **Ann NY Acad Sci** 1983;417:390–9

The importance of one-stage median sternotomy and retroperitoneal node dissection in disseminated testicular cancer. Mandelbaum I, et al. **Ann Thorac Surg** 1983 Nov; 36(5):524–8

Immunohistological localization of AFP and HCG in uniformly classified testis tumors. Wittekind C, et al. **Anticancer Res** 1983 Sep–Oct;3(5):327–30

Primitive neuroectodermal tumor of the testis. Report of a case. Aguirre P, et al. **Arch Pathol Lab Med** 1983 Dec; 107(12):643–5

Interstitial (Leydig) cell tumour and seminoma of the same testis. Johnson DW, et al. **Br J Radiol** 1984 Jan; 57(673):103–4

Semen analysis in testicular cancer and Hodgkin's disease: pre- and post-treatment findings and implications for cryopreservation. Hendry WF, et al. **Br J Urol** 1983 Dec; 55(6):769–73

Pseudolymphoma of the testis. Jass JR, et al. **Br J Urol** 1984 Feb;56(1):102–3

Poorly differentiated (anaplastic) seminoma of the testis. Cockburn AG, et al. **Cancer** 1984 May 1;53(9):1991–4

The prognostic significance of endodermal sinus tumor histology among patients treated for stage III nonseminomatous germ cell tumors of the testes. Logothetis CJ, et al. **Cancer** 1984 Jan 1;53(1):122–8

Cryptorchidism and testis cancer. Atypical infantile germ cells followed by carcinoma in situ and invasive carcinoma in adulthood. Müller J, et al. **Cancer** 1984 Aug 15; 54(4):629–34

Effects of tamoxifen on estrogen-induced enhancement or inhibition of tumor growth in mouse Leydig cell tumor lines. Sato B, et al. **Cancer Res** 1984 Oct;44(10):4386–91

Malignant intratubular and interstitial germ-cell neoplasia in bilaterally cryptorchid testes. Levin HS. **Cleve Clin Q** 1984 Summer;51(2):387–94

Unilateral retroperitoneal lymph node dissection in patients with non-seminomatous testicular tumor in clinical stage I. Fossà SD, et al. **Eur Urol** 1984;10(1):17–23

Malignant mesothelioma of the tunica vaginalis testis. Yamanishi T, et al. **Eur Urol** 1984;10(3):207–9

Development of 'granulosa' cell tumors from intrasplenic testicular transplants in castrated ACI rats. Kojima A, et al. **Gann** 1984 Feb;75(2):159–65

Testicular choriocarcinoma with metastasis to gastric mucosa. Fleck RM, et al. **Gastrointest Endosc** 1984 Jun; 30(3):188–9

Synchronous bilateral seminomas and teratoma. Bonnell HJ. **Henry Ford Hosp Med J** 1983;31(3):167–9

Potential therapeutic and diagnostic applications of the growth of testicular cancer in soft agar. Foster BJ, et al. **Int J Cell Cloning** 1983 Apr;1(1):2–14

Metastasis of cancer in the cryptorchid testis to the sigmoid colon. Kwinta A, et al. **Int Urol Nephrol** 1983;15(3):271–2

Pathologic findings at orchiectomy following chemotherapy for disseminated testicular cancer. Greist A, et al. **J Clin Oncol** 1984 Sep;2(9):1025–7

Primary carcinoid tumour of the testis. Prasad SB, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):87–9

Extranodal lymphomas in North India. Wahal KM, et al. **J Indian Med Assoc** 1983 May;80(9–10):130–2

Malignancy in an internal male pseudohermaphrodite. Cryptorchid testis with seminoma presenting as inguinal hernia. Whitehead S, et al. **J R Coll Surg Edinb** 1984 Mar; 29(2):123–5

Endodermal sinus tumors of gonadal and extragonadal origin. Stage AH, et al. **J SC Med Assoc** 1983 Aug;79(8):445–8

Testis tumors: the clinical significance of the tumor–contaminated scrotum. Boileau MA, et al. **J Urol** 1984 Jul;132(1):51–4

Malignant sex cord–stromal tumor of testis. Eble JN, et al. **J Urol** 1984 Mar;131(3):546–50

Correlation of vascular invasion and metastasis in germ cell tumors of testis—a preliminary report. Fujime M, et al. **J Urol** 1984 Jun;131(6):1237–41

Inguinal lymph node metastases from germ cell testicular tumors. Klein FA, et al. **J Urol** 1984 Mar;131(3):497–500

Yolk sac carcinoma: an immunohistochemical and clinicopathologic review. Kramer SA, et al. **J Urol** 1984 Feb;131(2):315–8

The absence of premalignant changes in the cryptorchid testis before adulthood. Muffly KE, et al. **J Urol** 1984 Mar; 131(3):523–5

Leukemic infiltration of the testes in acute nonlymphocytic leukemia. Wagner VM, et al. **Med Pediatr Oncol** 1984; 12(3):166–8

Endodermal sinus (yolk sac) tumors in pediatric oncology. Report on 14 cases. Liebhart M. **Neoplasma** 1984; 31(2):237–41

The differentiation of malignant lymphoma from anaplastic seminoma in a patient presenting with testicular and jaw swelling. Bernstein ML, et al. **Oral Surg** 1983 Oct; 56(4):378–87

Prognostic relevance of the pathologic stage (pT) of the primary tumor in nonseminomatous testicular cancer. A retrospective study on 242 patients. Kröpfl D, et al. **Prog Clin Biol Res** 1984;153:151–3

Tumor markers and pathology of testicular tumors. Mostofi FK. **Prog Clin Biol Res** 1984;153:69–87 (18 ref.)

Testicular lymphoma. A retrospective review of 17 cases. Hayes MM, et al. **S Afr Med J** 1983 Dec 17;64(26):1014–6

Lymphography and computed tomography in staging nonseminomatous testicular cancer: limited detection of early stage metastatic disease. Marincek B, et al. **Urol Radiol** 1983;5(4):243–6

Dermoid cyst of testis in five-year-old-child. Assaf G, et al. **Urology** 1983 Oct;22(4):432–4

Embryonal carcinoma of testis in elderly men. Choudhury MS, et al. **Urology** 1984 Jan;23(1):65–7

Biphasic malignant mesothelioma (malignant adenomatoid tumor) of paratesticular tissue. Khan AR, et al. **Urology** 1984 Jul;24(1):82–4

Primitive neuroectodermal tumor (immature teratoma) of testis. Nocks BN, et al. **Urology** 1983 Nov;22(5):543–4

Testicular adnexal fibrous pseudotumors. Sen S, et al. **Urology** 1984 Jun;23(6):594–7

Seminoma of testicle metastatic to thyroid. Steinfeld AD, et al. **Urology** 1984 Feb;23(2):163–6

Xanthogranulomatous transformation of metastatic testicular tumor. Ueda T, et al. **Urology** 1983 Dec;22(6):646–8

Benign and malignant epithelial tumors of the rete testis in mice. Yoshitomi K, et al. **Vet Pathol** 1984 May;21(3):300–3

[Malignant lymphoma of the testis—a report of 3 cases] Wu LR. **Chung Hua Chung Liu Tsa Chih** 1983 Sep;5(5):370–2 (Eng. Abstr.) **(Chi)**

[Lymphoblastic T-lymphoma of the convoluted-cell type] Schifter S, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):2993–7 (Eng. Abstr.) **(Dan)**

[A case of primary testicular carcinoid tumor] Nguyen TH, et al. **Acta Chir Belg** 1984 May–Jun;84(3):134–7 (Eng. Abstr.) **(Fre)**

[Adenomatoid tumor of the tunica vaginalis testis. Apropos of 5 cases] Aubert J, et al. **J Urol (Paris)** 1983;89(9):677–82 (Eng. Abstr.) **(Fre)**

[5 rare tumors of the testicle] Chahla Y. **J Urol (Paris)** 1983; 89(9):683–90 (Eng. Abstr.) **(Fre)**

[Histological classification and biological behavior of germ cell tumors of the testis. Studies based on surgery and autopsy data 1958–1979] Kruse C, et al. **Arch Geschwulstforsch** 1984;54(1):53–9 (Eng. Abstr.) **(Ger)**

[Staging of testicular cancer by ultrasound and tumor markers with special respect to stage I and IIA] Behrendt H, et al. **Urol Int** 1983;38(5):279–84 (Eng. Abstr.) **(Ger)**

[Leiomyoma—a rare tumor of the paratesticular tissue] Varwerk E, et al. **Z Urol Nephrol** 1983 Aug;76(8):531–4 (Eng. Abstr.) **(Ger)**

[Germ cell tumors of testis: histological classification of 552 cases according to the WHO-nomenclature] Stiller D, et al. **Zentralbl Allg Pathol** 1983;128(1–2):85–100 (Eng. Abstr.) **(Ger)**

[Testicular yolk-sac tumor in childhood] Eidelman A, et al. **Harefuah** 1983 Mar 1;104(5):179–80 (Eng. Abstr.) **(Heb)**

[Endodermal sinus tumor. Report of 5 cases, one of them with paratesticular localization] Bufo P, et al. **Pathologica** 1983 Sep–Oct;75(1039):703–9 (Eng. Abstr.) **(Ita)**

[Two autopsy cases of intramedullary spinal cord metastasis] Gose K, et al. **Gan No Rinsho** 1984 Mar;30(3):319–23 (Eng. Abstr.) **(Jpn)**

[Endobronchial metastasis of testicular embryonal cell carcinoma—a case report] Suito T, et al. **Gan No Rinsho** 1983 Sep;29(11):1340–3 (Eng. Abstr.) **(Jpn)**

[Case of immature teratoma of the testicle metastasizing as completely mature teratoma] Okumura S, et al. **Hinyokika Kiyo** 1984 May;30(5):683–9 (Eng. Abstr.) **(Jpn)**

[Malignant interstitial cell tumor: a case report and review] Kondo I, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1453–66 (Eng. Abstr.) **(Jpn)**

[Hormone-secreting testicular tumors. Morphological studies] Ito H, et al. **Nippon Rinsho** 1983 Jun;41(6):1184–9 **(Jpn)**

[Morphological features and various aspects of the classification of testicular neoplasms derived from primary germ cells] Frasik W. **Patol Pol** 1983 Apr–Jun;34(2):145–63 (Eng. Abstr.) **(Pol)**

[Scarring embryonal carcinoma of the testis] Serezhin BS, et al. **Arkh Patol** 1984;46(6):69–72 (Eng. Abstr.) **(Rus)**

[Testicular lesion in malignant lymphoma] Zak BI, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):67–9 **(Rus)**

[Secondary myxoma of the scrotum] Nishanov FN, et al. **Vestn Khir** 1984 Apr;132(4):75–6 **(Rus)**

[Clinical course and morphological characteristics of different types of seminoma] Goikhberg MI, et al. **Vopr Onkol** 1984;30(2):51–8 (Eng. Abstr.) **(Rus)**

[Correlation of tumor proteins and lymphography with findings from lymphadenectomy in nonseminomatous tumors of the testis] Horňák M, et al. **Rozhl Chir** 1984 Apr; 63(4):235–40 (Eng. Abstr.) **(Slo)**

[Value of computerized axial tomography in the diagnosis of the invasiveness and follow-up of patients with testicular cancer] Germa Liuch JR, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):355–60 (Eng. Abstr.) **(Spa)**

[Benign tumors of the epididymis] Llamazares Cachá G, et al. **Actas Urol Esp** 1984 Jan–Feb;8(1):59–62 (Eng. Abstr.) **(Spa)**

[Carcinoma of the scrotum] Solis WA. **Actas Urol Esp** 1984 Jan–Feb;8(1):63–8 (Eng. Abstr.) **(Spa)**

[Adenomatoid tumor of the epididymis] Morote J, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):61–4 (Eng. Abstr.) **(Spa)**

[Malignant Sertoli cell tumor (malignant androblastoma)] Hernández EI, et al. **Medicina (B Aires)** 1983;43(3):315–8 (Eng. Abstr.) **(Spa)**

[Testicular infiltration in acute lymphoblastic leukemia] Ortega JJ. **Sangre (Barc)** 1984;29(2):174–85 (51 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The testis. A protected environment for leukaemic cells against cyclophosphamide in a mouse model. Jackson H, et al. **Cancer Chemother Pharmacol** 1983;11(3):200–2

Dormancy versus extinction of mouse Leydig cell tumors following endocrine-induced regression. Huseby RA. **Cancer Res** 1983 Nov;43(11):5365–78

Human embryonal cell carcinoma in nude mice. Wirth M, et al. **Cancer Res** 1983 Nov;43(11):5526–32

Leydig cell function in patients with testicular cancer during and after chemotherapy. Willemse PH, et al. **Int J Androl** 1983 Dec;6(6):497–508

Role of spontaneous interstitial cell testicular tumors on the mitogen reactivity of spleen cells from aged male Fischer-344 rats. Cross RJ, et al. **Mech Ageing Dev** 1984 Jun;25(3):349–53

Skeletal response in rats following the implantation of hypercalcemia-producing Leydig cell tumors. Tam CS, et al. **Metabolism** 1984 Jan;33(1):50–3

Germ cell origin of testicular and ovarian teratomas. Stevens LC. **Transplant Proc** 1984 Apr;16(2):502–4

RADIOGRAPHY

Lymphography in retroperitoneal metastases in non-seminoma testicular tumor patients with a normal CT scan. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(4):319–22

The spectrum of computed tomographic appearance of metastatic masses from testicular neoplasms. Zingas AP, et al. **J Comput Tomogr** 1984 Jan;8(1):53–60

[The value of lymphography in testicular, bladder and kidney tumors] Buhtz C, et al. **Z Urol Nephrol** 1984 Jun;77(6):321–8 (Eng. Abstr.) **(Ger)**

[Importance of post-therapeutic computer tomography follow-up studies of patients with malignant testicular tumors] Freitag J, et al. **Z Urol Nephrol** 1984 May; 77(5):269–75 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Early diagnosis of testicular tumor using Tc-99m pertechnetate scrotal imaging. Donoghue GD, et al. **Clin Nucl Med** 1983 Dec;8(12):630–1

RADIOTHERAPY

Subsequent malignancies in patients irradiated for testicular tumours. Hay JH, et al. **Br J Radiol** 1984 Jul; 57(679):597–602

Seminoma at Roswell Park, 1970 to 1979. An analysis of treatment failures. Huben RP, et al. **Cancer** 1984 Apr 1; 53(7):1451–5

Radiotherapy of testicular tumours: an analysis of patients treated in Scotland between 1950 and 1969. Hay JH, et al. **Clin Radiol** 1984 Jan;35(1):13–6

Endocrine profiles of patients with testicular tumors treated with radiotherapy. Nader S, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1723–6

Testicular seminoma. Jose B, et al. **J Ky Med Assoc** 1984 May;82(5):213–4

Is mediastinal irradiation necessary for stage I testicular seminoma? Jose B, et al. **J Surg Oncol** 1984 Apr;25(4):250–1

The role of radiation in the management of seminoma. Thomas GM, et al. **Prog Clin Biol Res** 1984;153:91–102 (17 ref.)

[Use of radiotherapy in malignant testicular tumors] Suhr P, et al. **MMW** 1984 Jan 13;126(2):28–30 **(Ger)**

[Electrocardiographic findings during radiotherapy in the thoracic area. I] Fröhlich D, et al. **Radiobiol Radiother (Berl)** 1984;25(1):99–106 (Eng. Abstr.) **(Ger)**

[Successful treatment of seminoma metastases using partial irradiation] von Rottkay P. **Strahlentherapie** 1984 Jun; 160(6):363–5 (Eng. Abstr.) **(Ger)**

[Late complications of radiotherapy in testicular tumor] Mineyama H, et al. **Hinyokika Kiyo** 1983 Dec; 29(12):1605–9 (Eng. Abstr.) **(Jpn)**

[Changes in the functional activity of the kidneys after irradiation of the para-aortic lymph nodes in patients with seminoma and lymphogranulomatosis] Vorob'ev EI, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):15–8 (Eng. Abstr.) **(Rus)**

REHABILITATION

Sexual and marital counseling with men treated for testicular cancer. Schover LR, et al. **J Sex Marital Ther** 1984 Spring; 10(1):29–40

SECONDARY

Metastatic transitional cell carcinoma of the testis. A case report. Binkley WF, et al. **Cancer** 1984 Aug 1;54(3):575–8
Metastatic carcinoma involving the testis. Clinical and pathologic distinction from primary testicular neoplasms. Haupt HM, et al. **Cancer** 1984 Aug 15;54(4):709–14
Isolated testicular relapse in acute lymphocytic leukemia of childhood: categories and influence on survival. Bowman WP, et al. **J Clin Oncol** 1984 Aug;2(8):924–9
Epididymal metastasis from prostatic cancer. Sarma DP, et al. **J Surg Oncol** 1983 Dec;24(4):322–4 (9 ref.)
Primary carcinoma of sigmoid colon metastasizing to epididymis. Smallman LA, et al. **Urology** 1984 Jun; 23(6):598–9
[Metastasis to the testis and epididymis of a prostatic carcinoma: apropos of a case] Guajardo Guajardo J, et al. **Actas Urol Esp** 1984 May–Jun;8(3):235–6 (Eng. Abstr.) (Spa)

SECRETION

[Testicular Leydig cell tumor. A case (letter)] Gancel A, et al. **Presse Med** 1984 Jun 30;13(27):1695 (Fre)
[Trophoblastic cryptocarcinoma with mononucleate cells, secreting beta chorionic gonadotropic hormones in seminoma. Prognostic value] Roth A, et al. **Presse Med** 1983 Dec 3;12(44):2801–4 (Eng. Abstr.) (Fre)
[Prognostic value of extraembryonic components in testicular dysgerminoma (seminoma excluded)] Roth A, et al. **Presse Med** 1983 Dec 10;12(45):2863–5 (Eng. Abstr.) (Fre)

SURGERY

Supplemental oxygen does not cause respiratory failure in bleomycin–treated surgical patients. LaMantia KR, et al. **Anesthesiology** 1984 Jan;60(1):65–7
The role of surgical resection when combined with chemotherapy and radiation in the management of pelvic rhabdomyosarcoma. Fleming ID, et al. **Ann Surg** 1984 May; 199(5):509–14
Effective treatment: testicular cancer. La Follette SS. **AORN J** 1983 Oct;38(4):622–4, 633–6
Orchiectomy alone for Stage I testicular non–seminoma. A progress report on the Royal Marsden Hospital study. Peckham MJ, et al. **Br J Urol** 1983 Dec;55(6):754–9
Prospective study of follow up alone in stage I teratoma of the testis. Read G, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1503–5
Retroperitoneal lymphadenectomy and aggressive chemotherapy in nonbulky clinical Stage II nonseminomatous germinal testis tumors. Pizzocaro G, et al. **Cancer** 1984 Mar 15;53(6):1363–8
Surgery in the management of stage III germinal cell tumors. Observations on the M.D. Anderson Hospital experience, 1971–1979. Logothetis CJ, et al. **Cancer Treat Rev** 1984 Mar;11(1):27–37
Changing concepts in the management of testis cancer. Montie JE. **Cleve Clin Q** 1984 Summer;51(2):381–5
Spermatogenesis and hormonal status after orchiectomy for cancer and before supplementary treatment. Fossâ SD, et al. **Eur Urol** 1984;10(3):173–7
Second–look lymphadenectomy in the treatment of germ cell testis tumors. Jaeger N, et al. **Eur Urol** 1984;10(1):10–6
Adjuvant chemotherapy in resected stage–II nonseminomatous germ cell tumors of testis. In which cases is it necessary? Pizzocaro G, et al. **Eur Urol** 1984; 10(3):151–8
Effectiveness and morbidity of secondary retroperitoneal lymph node dissection after chemotherapy in testicular tumors. Solé Balcells F, et al. **Eur Urol** 1983;9(5):273–5
The relationship of plasma cortisol and beta–endorphin immunoreactivity to surgical stress and postoperative analgesic requirement. Pickar D, et al. **Gen Hosp Psychiatry** 1983 Jul;5(2):93–8
Advances in the treatment of testicular tumors. Huben RP, et al. **Int Adv Surg Oncol** 1984;7:355–72
Malignant mesothelioma of the tunica vaginalis testis. Antman K, et al. **J Clin Oncol** 1984 May;2(5):447–51
Orchiectomy alone in the treatment of clinical stage I nonseminomatous germ cell tumor of the testis. Sogani PC, et al. **J Clin Oncol** 1984 Apr;2(4):267–70
Stage II nonseminomatous testicular cancer: a 10–year experience. Vogelzang NJ, et al. **J Clin Oncol** 1983 Mar; 1(3):171–8
Infantile embryonal carcinoma in children. Affuso PS, et al. **J Med Soc NJ** 1984 Jan;81(1):43–4
Retrocrural lymphadenopathy in testicular cancer. Crawford ED, et al. **J Urol** 1984 Feb;131(2):343–5
Chyloperitoneum and chylothorax: a combined rare occurrence after retroperitoneal lymphadenectomy and radiotherapy for testis tumor. Dharman K, et al. **J Urol** 1984 Feb;131(2):346–7
Yolk sac tumor of the testicle: is retroperitoneal lymph node dissection necessary? Homsy Y, et al. **J Urol** 1984 Sep; 132(3):532–6
Surveillance alone for patients with clinical stage I nonseminomatous germ cell tumors of the testis: preliminary results. Johnson DE, et al. **J Urol** 1984 Mar; 131(3):491–3
Re: Review of delayed orchiectomy in patients with disseminated testis tumors [letter] Paulson DF. **J Urol** 1984 Mar;131(3):560
The role of surgery in advanced testicular cancer. Van Dongen JA, et al. **Neth J Surg** 1983 Sep;35(4):129–33
Indications and results of lymphadenectomy for testis cancer. Donohue JP. **Prog Clin Biol Res** 1984;153:131–50
Surgery after chemotherapy in non–seminomatous germ cell cancer of the testis. Fraley EE. **Prog Clin Biol Res** 1984; 153:167–80
Surveillance after orchidectomy for clinical stage I testicular non–seminoma. Peckham MJ. **Prog Clin Biol Res** 1984; 153:155–65
The role of surgery after remission–induction chemotherapy in non–seminoma stage III testicular tumors. Schraffordt Koops H, et al. **Prog Clin Biol Res** 1984;153:233–8
The place of surgery in the treatment of seminomatous testicular tumors. Smith RB. **Prog Clin Biol Res** 1984; 153:111–9 (28 ref.)
Secondary surgery in advanced testicular germ–cell tumors. Brünner N, et al. **Scand J Urol Nephrol** 1983;17(3):283–5
Chylous ascites after retroperitoneal lymphadenectomy: successful management with peritoneovenous shunt. Selli C, et al. **Urol Int** 1984;39(1):58–60
[Surgical treatment of parenchymal metastases of germinal testicular tumors] Jaeger N, et al. **Chirurg** 1983 Dec; 54(12):795–800 (Eng. Abstr.) (Ger)
[Retroperitoneal lymph dissection of testicular cancer] Sigel A, et al. **Chirurg** 1983 Sep;54(9):569–73 (Ger)
[Successful andrologic–gynecological treatment of sterility caused by an ejaculation disorder after retroperitoneal lymphadenectomy] Bollmann W, et al. **Geburtshilfe Fraunheilkd** 1983 Sep;43(9):573–4 (Eng. Abstr.) (Ger)
[Orchidectomy only for stage I testicular teratoma?] Leibundgut U, et al. **Schweiz Med Wochenschr** 1984 Jun 9;114(23):820–6 (Eng. Abstr.) (Ger)

THERAPY

Male germ cell tumors. Guthrie TH Jr, et al. **Am Fam Physician** 1983 Oct;28(4):256–61
Testis cancer. Oliver RT. **Br J Hosp Med** 1984 Jan; 31(1):23–5, 28–30, 35
Justification of the use of surveillance in the management of Stage I germ cell tumours of the testis. Oliver RT, et al. **Br J Urol** 1983 Dec;55(6):760–3
Acute leukemia following therapy for teratoma. Hoekman K, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):501–2
Primary lymphadenectomy or primary chemotherapy in advanced metastatic testicular tumor? Jaeger N, et al. **Eur Urol** 1983;9(6):329–33
Germinal testicular tumors in childhood. Report of observations and literature review. Weissbach L, et al. **Eur Urol** 1984;10(2):73–85 (64 ref.)
Therapy in stage I non–seminomatous testicular tumor. A critical review of current strategies. Weissbach L, et al. **Eur Urol** 1984;10(1):1–9 (68 ref.)
Sperm counts and serum follicle–stimulating hormone levels before and after radiotherapy and chemotherapy in men with testicular germ cell cancer. Berthelsen JG. **Fertil Steril** 1984 Feb;41(2):281–6
Bilateral malignant testicular lymphoma. Vyas KC, et al. **Indian J Cancer** 1983 May–Jun;20(2):124–6
The Southwest Oncology Group experience: adjuvant therapy for stage IB and II non–seminomatous testicular cancer. Stephens RL, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1885–90
A contribution to the treatment of non–seminomatous testicular tumours. Baše J, et al. **Int Urol Nephrol** 1984; 16(2):157–64
Late relapse of testicular cancer. Terebelo HR, et al. **J Clin Oncol** 1983 Sep;1(9):566–71
Current trends in management of stage I nonseminomatous testicular cancer: improved survival with preservation of ejaculation and fertility. Javadpour N. **J Urol** 1984 Apr; 131(4):827
Management of testis tumors [editorial] Murphy JJ. **J Urol** 1984 Mar;131(3):527
The treatment of poor risk nonseminomatous testicular tumors. Pontes JE, et al. **J Urol** 1984 Mar;131(3):494–6
Embryonal carcinoma with falsely positive elevation of serum alpha–fetoprotein after curative therapy: a case report. Pritchett TR, et al. **J Urol** 1984 May;131(5):970–1
Changing concepts in the treatment of nonseminomatous germ cell tumors of the testis. Richie JP, et al. **J Urol** 1984 Jun;131(6):1089–92
Management of non–seminomatous testis cancer. Donohue JP. **Nippon Hinyokika Gakkai Zasshi** 1983 Nov;74(11):1905
Advances in the management of testis tumours. Arnold EP, et al. **NZ Med J** 1983 Jul 13;96(735):523–4
Adjuvant chemotherapy after retroperitoneal lymph node dissection. Brunner KW, et al. **Prog Clin Biol Res** 1984; 153:183–99
Serum testosterone, LH, and FSH in patients with testicular cancer before and after radio– and chemotherapy. Berthelsen JG, et al. **Scand J Urol Nephrol** 1983; 17(3):287–90
Multi–modality treatment in males with advanced malignant germ cell tumours. II. Experience with surgery and radiotherapy following cis–platinum–based chemotherapy. Fossâ SD, et al. **Scand J Urol Nephrol** 1984;18(1):21–6
Multi–modality treatment of advanced malignant germ cell tumours in males. I. Experience with cis–platinum–based combination chemotherapy. Klepp O, et al. **Scand J Urol Nephrol** 1984;18(1):13–9
Testicular tumors: a change in prognosis. Richie JP. **Surg Annu** 1984;16:313–27 (30 ref.)
[Present views on the treatment of patients with nonseminomas] Baše J, et al. **Rozhl Chir** 1984 Apr; 63(4):289–94 (Eng. Abstr.) (Cze)
[Treatment of extragonadal germinative tumors] Daugaard KG, et al. **Ugeskr Laeger** 1984 Mar 19;146(12):876–8 (Eng. Abstr.) (Dan)
[Testicular tumors in 1983] Richard JF. **Rev Med Suisse Romande** 1983 Nov;103(11):943–53 (Fre)
[Reduction of the incidence of infection in polychemotherapy–treated metastatic testicular tumors using immunoglobulins] Hartlapp JH, et al. **Beitr Infusionther Klinis Ernahr** 1983;11:69–72 (Ger)
[New results of the treatment of metastasized testicular tumors in early and late stages] Seeber S, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:393 (Ger)
[Therapeutic results in seminoma] Furuhata A, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):418–26 (Eng. Abstr.) (Jpn)
[Treatment of stage I, II testicular tumor based on tumor markers] Kamidono S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1383–93 (Eng. Abstr.) (Jpn)
[Prognostic factors in testicular seminoma and embryonal tumors with seminoma structure] Puchalska B. **Pol Tyg Lek** 1983 May 30–Jun 6;38(22–23):695–700 (Eng. Abstr.) (Pol)
[Selected problems of chemotherapy in patients with testicular seminoma] Pawlicki M, et al. **Przegl Lek** 1984; 41(2):209–12 (Eng. Abstr.) (Pol)
[Treatment of patients with stage III–IV nonseminomatous tumors of the testis] Matveev BP, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):60–4 (Eng. Abstr.) (Rus)
[Treatment of germ cell tumors of the testis: review and results] Zudaire Bergera JJ, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):451–4 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Testicular stromal tumor with myofilaments: ultrastructural comparison with normal gonadal stroma. Greco MA, et al. **Hum Pathol** 1984 Mar;15(3):238–43
Paratesticular leiomyosarcoma: an ultrastructural study. Gaffney EF, et al. **J Urol** 1984 Jul;132(1):133–4
Spermatocytic seminoma. Ultrastructural and microspectrophotometric observations. Talerman A, et al. **Lab Invest** 1984 Sep;51(3):343–9
Large–cell calcifying Sertoli cell tumor of the testis: a case report with ultrastructural study. Horn T, et al. **Ultrastruct Pathol** 1983 Jun;4(4):359–64
Atypical germ cells of the testis. Comparative ultrastructural and immunohistochemical investigations. Sigg C, et al. **Virchows Arch [A]** 1984;402(4):439–50
Ultrastructural localization of hCG in the placenta and in testicular germ cell tumors. Morinaga S, et al. **Virchows Arch [Cell Pathol]** 1984;45(4):397–406
[Morphological study of a homogenous population of teratocarcinoma cells] Monzo M, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):315–23 (Eng. Abstr.) (Fre)

URINE

Flow–cytophotometric studies on urine sediments of patients treated with anti–cancer–drugs. Schwabe HW, et al. **Urol Res** 1983;11(4):159–62

VETERINARY

Spermatic cord torsion and Sertoli cell tumor in a dog. Laing EJ, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):879–81
Metastatic equine seminoma: report of two cases. Trigo FJ, et al. **Vet Pathol** 1984 Mar;21(2):259–60
Survey with follow–up of 67 dogs with testicular sertoli cell tumours. Weaver AD. **Vet Rec** 1983 Jul 30;113(5):105–7

TESTICULAR TORSION see **SPERMATIC CORD TORSION**

TESTIS

see related
CASTRATION

The effects of cyproterone acetate on the elements in the intraluminal fluids of the testis and epididymis of the rat. Jenkins AD, et al. **Arch Androl** 1983 Oct;11(2):151–5
The radiation dose to man following the intravenous injection of radiosulphate (Na2(35)SO4). Burke BJ, et al. **Int J Appl Radiat Isot** 1983 Sep;34(9):1139–41
Teaching about testicular cancer and testicular self–examination. Marty PJ, et al. **J Sch Health** 1983 Aug; 53(6):351–6
The sonographic appearance of the Heyer–Schulte testicular prosthesis. Hopper KD, et al. **J Ultrasound Med** 1984 Jun; 3(6):287
Benign and malignant epithelial tumors of the rete testis in mice. Yoshitomi K, et al. **Vet Pathol** 1984 May;21(3):300–3
[Orchialgia and tendoperiostosis inguinalis] Kočvara S. **Rozhl Chir** 1984 Apr;63(4):297–7 (Eng. Abstr.) (Cze)
[The normal testis: structure, function and recent endocrinologic advances] Demoulin A, et al.

J Gynecol Obstet Biol Reprod (Paris) 1984;13(1):3–12 (Eng. Abstr.) (Fre)

ABNORMALITIES

The X-linked syndrome of macroorchidism and mental retardation: further observations. Bowen P, et al. Am J Med Genet 1978;2(4):409–14

A large kindred with X-linked mental retardation, marker X and macroorchidism. Lubs H, et al. Am J Med Genet 1984 Jan;17(1):145–57

'De Novo' trisomy 20p with macroorchidism in a prepuberal boy. Balestrazzi P, et al. Ann Genet (Paris) 1984;27(1):58–9

Cystic dysplasia of the testis. Light and electron microscopic study of three cases. Nistal M, et al. Arch Pathol Lab Med 1984 Jul;108(7):579–83

Ectopic testes in the Norway rat. Gumbreck LG, et al. J Exp Zool 1984 Apr;230(1):151–4

Polyorchidism: case report and review of the literature. Al-Hibbal Z, et al. J Pediatr Surg 1984 Apr;19(2):212

Pitfalls in using human chorionic gonadotropin stimulation test to diagnose anorchia. Bartone FF, et al. J Urol 1984 Sep;132(3):563–7

Polyorchidism discovered as testicular torsion. Feldman S, et al. J Urol 1983 Nov;130(5):976–7

Testicular transposition with right-to-left epididymo deferential anastomosis: a case report. Pozza D, et al. J Urol 1983 Dec;130(6):1194–5

Structural and functional abnormality of ectopic testes in rats. Chung KW, et al. Life Sci 1984 May 14;34(20):1953–7

Unilateral testicular hypoplasia in a goat. Sponenberg DP, et al. Vet Pathol 1983 Jul;20(4):503–6

Spleno-gonadal fusion. A case report. Currie AB, et al. Z Kinderchir 1984 Feb;39(1):74–5

Crossed ectopic testis—case report and review. Doraiswamy NV. Z Kinderchir 1983 Aug;38(4):264–8 (61 ref.)

Splenogonadal fusion. Kufaas T, et al. Z Kinderchir 1983 Aug;38(4):232–6

Unusual parascrotal hernia with ectopic testicle in a neonate. Case report. Mogilner BM, et al. Z Kinderchir 1983 Dec; 38(6):420–1

[Total testicular regression syndrome or anorchidism] Pierson M, et al. Arch Fr Pediatr 1983 Dec;40(7):767–73 (Eng. Abstr.) (Fre)

[A case of anorchidism with translocation t(4;6)] Viguié F, et al. Sem Hop Paris 1983 Sep 15;59(32):2253–5 (Eng. Abstr.) (Fre)

[Testicular hypoplasia (lack of spermatogonia) and left-sided epididymal aplasia in a tricolored male cat with 39/xxy karyotype] König H, et al. DTW 1983 Sep 8;90(9):341–3 (Eng. Abstr.) (Ger)

[Polyorchidism] Lambrecht W, et al. Klin Padiatr 1983 Nov-Dec;195(6):430–2 (Eng. Abstr.) (Ger)

[Establishment of a rat strain with testicular hypoplasia and its morphological observations] Fujita H, et al. Jikken Dobutsu 1983 Apr;32(2):85–92 (Eng. Abstr.) (Jpn)

[Perineal ectopic testicle] Lozano Ortega JL, et al. Arch Esp Urol 1983 Jul-Aug;36(4):289–92 (Eng. Abstr.) (Spa)

ANALYSIS

Comparison of various analytical methods for the estimation of hormone receptor parameters in reproductive tissues. Rojas FJ, et al. Acta Cient Venez 1981;32(4):330–7

Essential fatty acid status in zinc deficiency. Effect on lipid and fatty acid composition, desaturation activity and structure of microsomal membranes of rat liver and testes. Ayala S, et al. Acta Physiol Lat Am 1983;33(3):193–204

Chlorinated pesticide residues in testicular tissue samples. Pesticides in human testicles. Szymczynski GA, et al. Andrologia 1983 Nov-Dec;15(6):696–8

Cottonseed flour effects on androgen testicular content and serum levels in rats. Herrera J, et al. Arch Androl 1983 Oct;11(2):161–5

Gonadotrophin-like substance in the testis. Immunocytochemical localization in the guinea pig. Saint-Pol P, et al. Arch Androl 1983 Aug;11(1):65–72

Isolation of rat testis histone TH2B-x, and interaction of TH2B-x antiserum with histones and mononucleosomes. Chiu ML, et al. Arch Biochem Biophys 1984 Feb 15; 229(1):295–303

Human testis-specific histone TH2B: fractionation and peptide mapping. Wattanaseree J, et al. Arch Biochem Biophys 1983 Sep;225(2):892–7

Comparison of the high-mobility-group chromosomal proteins in rainbow-trout (Salmo gairdnerii) liver and testis. Brown E, et al. Biochem J 1983 Dec 1;215(3):531–8

Purification of non-histone acceptor proteins for ADP-ribose from mouse testis nuclei. Faraone Mennella MR, et al. Biochem J 1984 Jul 1;221(1):223–33

Cadmium-binding proteins of rat testes. Characterization of a low-molecular-mass protein that lacks identity with metallothionein. Waalkes MP, et al. Biochem J 1984 Jun 15;220(3):811–8

Cadmium-binding proteins of rat testes. Apparent source of the protein of low molecular mass. Waalkes MP, et al. Biochem J 1984 Jun 15;220(3):819–24

Ultrastructural localization of tubulin and actin in polyethylene glycol-embedded rat seminiferous epithelium by immunogold staining. Wolosewick JJ, et al. Biol Cell 1983;49(3):219–26

Immunocytochemical localization of alpha-lactalbumin in the male reproductive tract. Byers SW, et al. Biol Reprod 1984 Feb;30(1):171–8

Ectopic testes: a heritable mutation in the King-Holtzman rat: androgen-binding protein in testes and epididymides. Dressler JB, et al. Biol Reprod 1983 Dec;29(5):1313–7

Testicular prolactin receptors and serum growth hormone in golden hamsters: effects of photoperiod and time of day. Klemcke HG, et al. Biol Reprod 1983 Oct;29(3):605–14

Localization of transferrin and transferrin receptors in rat testes. Sylvester SR, et al. Biol Reprod 1984 Aug; 31(1):195–203

Bioimmunoreactive inhibin-like substance in human fetal gonads. Sheth JJ, et al. Biol Res Pregnancy Perinatol 1983; 4(3):110–2

Isoelectric forms of clusterin isolated from ram rete testis fluid and from secretions of primary cultures of ram and rat Sertoli-cell-enriched preparations. Blaschuk OW, et al. Can J Biochem Cell Biol 1984 Jun;62(6):456–61

A diversified set of testicular cell proteins specified by genes within the mouse t complex. Silver LM, et al. Cell 1983 Nov;35(1):35–45

Complexity of polysomal RNA in sheep brain sections and other organs. Hitti YS, et al. Cell Mol Biol 1984; 30(3):169–74

Acetylation of rat testis histones H2B and TH2B. Grimes SR Jr, et al. Dev Biol 1984 Feb;101(2):516–21

Structural differences between somatic H2B and testis-specific TH2B histones of the rat. Yongvanich T, et al. Experientia 1984 Aug 15;40(8):845–6

Purification and characterization of ubiquitin from mammalian testis. Loir M, et al. FEBS Lett 1984 Apr 24; 169(2):199–204

Testicular torsion: temporal considerations. Nagler HM, et al. Fertil Steril 1984 Aug;42(2):257–62

Histochemical distribution of sudanophilic and unsaturated lipids in the testes of buffalo, goat, and ram. Bilaspuri GS, et al. Gegenbaurs Morphol Jahrb 1983;129(4):495–502

Isolation and identification of testosterone from the serum and testes of the American lobster (Homarus americanus). Burns BG, et al. Gen Comp Endocrinol 1984 Jun; 54(3):429–32

Extrapituitary action of LHRH and LHRH-like substance in the testes. Arimura A. Hinyokika Kiyo 1983 Aug; 29(8):1005–8

Cytoplasmic estradiol binding sites in testis of fertile and infertile men. Sosa A, et al. J Androl 1984 May-Jun; 5(3):159–62

Mitogenic polypeptide of the mammalian seminiferous epithelium: biochemical characterization and partial purification. Feig LA, et al. J Cell Biol 1983 Nov;97(5 Pt 1):1435–43

Separation of vitamin A and retinyl esters by reversed-phase high-performance liquid chromatography. Chaudhary LR, et al. J Chromatogr 1984 Jun 22;294:466–70

Distribution of a proteinase inhibitor of epididymal origin in the tissues and secretions of the male reproductive tract of mice. Poirier GR, et al. J Exp Zool 1984 Jun; 230(3):465–71

Prolactin receptors in the hypoprolactinemic male rat (IPL nude rat): measurement in testis and induction in liver. Guillaumot P, et al. J Steroid Biochem 1984 Jan; 20(1):347–51

Purification of testicular anti-Müllerian hormone allowing direct visualization of the pure glycoprotein and determination of yield and purification factor. Picard JY, et al. Mol Cell Endocrinol 1984 Jan;34(1):23–9

Alkaline elution of rat testicular DNA: detection of DNA strand breaks after in vivo treatment with chemical mutagens. Skare JA, et al. Mutat Res 1984 Aug; 130(4):283–94

Alkaline elution of rat testicular DNA: detection of DNA cross-links after in vivo treatment with chemical mutagens. Skare JA, et al. Mutat Res 1984 Aug;130(4):295–303

Identification of oxytocin and vasopressin in the testis and in adrenal tissue. Nicholson HD, et al. Regul Pept 1984 Mar;8(2):141–6

Histochemical localization of ascorbic acid in the testis, epididymis and vas deferens of some rodents. Chinoy NJ, et al. Z Mikrosk Anat Forsch 1983;97(6):961–6

[Gm/Km determinations in androgen secretions from the testis, epididymis, seminal vesicle and prostate] Mittmeyer HJ, et al. Beitr Gerichtl Med 1984;42:265–71 (Eng. Abstr.) (Ger)

[An inhibin-like factor in the testes of fetal and newborn rats] Brindak OI, et al. Biull Eksp Biol Med 1984 Jul; 97(7):91–3 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

Excurrent duct system in male rabbit: a morphological study. Lohiya NK, et al. Acta Eur Fertil 1983 Nov-Dec; 14(6):433–41

Synergy of abdominal pressure and androgens in testicular descent. Frey HL, et al. Biol Reprod 1983 Dec;29(5):1233–9

Relationships among testicular size, daily production and output of spermatozoa, and extragonadal spermatozoal reserves of the dog. Olar TT, et al. Biol Reprod 1983 Dec; 29(5):1114–20

Testicular size in mental handicap [letter] Primrose DA. Br J Psychiatry 1984 Feb;144:217

Counterantigonadotropic effect of melatonin administered via the drinking water. Gibbs FP, et al. Endocrinology 1983 Oct;113(4):1447–51

Normal testicular volume in school children of low socio-economic group. Dave DS, et al. Indian Pediatr 1983 Dec;20(12):901–5

A study of the rete testis epithelium in several wild birds. Barker SG, et al. J Anat 1984 Jan;138 (Pt 1):139–52

Morphology of the testis of the one-humped camel in relation to reproductive activity. Tingari MD, et al. J Anat 1984 Aug;139 (Pt 1):133–43

Seasonal changes in breeding activity, testicular size, testosterone concentration and seminal characteristics in rams with long or short breeding season. Dufour JJ, et al. J Anim Sci 1984 Feb;58(2):416–22

Compensatory testicular hypertrophy in the lizard Anolis carolinensis. Summers CH. J Exp Zool 1984 Jul; 231(1):101–7

Penile and testicular size in Thai male neonates. Chaiyakul P, et al. J Med Assoc Thai 1984 Feb;67(2):84–8

Organization of interstitial tissue in the testis of the salamander Necturus maculosus (Caudata:Proteidae). Pudney J, et al. J Morphol 1984 Jul;181(1):87–95

Testicular volumes in adolescents [letter] Singhi S, et al. J Pediatr 1983 Oct;103(4):664–5

Inguinal hernia in infants: the fate of the testis following incarceration. Puri P, et al. J Pediatr Surg 1984 Feb; 19(1):44–6

Effect of season of birth and of hemicastration on the histology of the testis of 6-month-old lambs. Hochereau-de Reviers MT, et al. J Reprod Fertil 1984 Jan;70(1):157–63

Influence of age on sperm production and testicular weights in men. Johnson L, et al. J Reprod Fertil 1984 Jan; 70(1):211–8

Morphological assessment of testicular maturity in marmosets (Callithrix jacchus). Jackson MR, et al. Lab Anim 1984 Apr;18(2):173–8

Testicular weights, ductus deferens semen volumes, and sperm concentration of turkeys with high and low ejaculate volumes. Cecil HC, et al. Poult Sci 1984 Jul;63(7):1432–7

The postnatal development of the human sertoli cells. Nistal M, et al. Z Mikrosk Anat Forsch 1983;97(5):739–52

Correlative cyclical changes in the hypothalamo-hypophysial-gonadal system in Notopterus chitala (Ham.). Prakash MM, et al. Z Mikrosk Anat Forsch 1984;98(2):225–40

[Histological characteristics of the testis and epididymis of calves during postnatal development] Semkov M, et al. Vet Med Nauki 1984;21(1):67–80 (Eng. Abstr.) (Bul)

[Testicular measurement in 339 normal subjects and its clinical application] Wu HW. Chung Hua Nei Ko Tsa Chih 1983 Jun;22(6):366–8 (Eng. Abstr.) (Chi)

[Level of plasma testosterone in relation to age, gonad size and sexual libido in bulls] Kozumplík J. Vet Med (Praha) 1983 Jul;28(7):393–9 (Eng. Abstr.) (Cze)

[Comparison of 2 methods of determining the relative frequency of stages of the seminiferous epithelium cycle, in literature] Guerra MO. Rev Bras Biol 1983 Nov; 43(4):385–94 (Eng. Abstr.) (Por)

[Morphology of the rete testis of the domestic goat (Capra circus, L.)] Orsi AM, et al. Anat Histol Embryol 1984 Mar; 13(1):42–9 (Eng. Abstr.) (Spa)

[Testicular size in students] Valenzuela C, et al. Rev Chil Pediatr 1983 Jul-Aug;54(4):240–2 (Eng. Abstr.) (Spa)

BLOOD SUPPLY

Rhythmical oscillations in rat testicular microcirculation as recorded by laser Doppler flowmetry. Damber JE, et al. Acta Physiol Scand 1983 Jun;118(2):117–23

Percutaneous venography and occlusion in the management of spermatic varicoceles. Morag B, et al. AJR 1984 Sep; 143(3):635–40

Microvascular architecture of the pampiniform plexus-testicular artery system in the rat: a scanning electron microscope study of corrosion casts. Ohtsuka A. Am J Anat 1984 Mar;169(3):285–93

Postnatal formation of the blood-testis barrier in the rat with special reference to the initiation of meiosis. Bergmann M, et al. Anat Embryol (Berl) 1983;168(2):269–75

Limitations imposed by testicular blood flow on the function of Leydig cells in rats in vivo. Setchell BP, et al. Aust J Biol Sci 1983;36(3):285–93

Preoperative 'dynamic' antegrade phlebography of the spermatic vein: physiological detection of spontaneous reflux in clinical and subclinical varicocele. A study of 142 patients. Luciani L, et al. Diagn Imag Clin Med 1984; 53(3):149–57

Testicular venography in impalpable testis. Khan O, et al. Eur Urol 1983;9(6):341–2

Valves of the internal spermatic vein: potential for misdiagnosis of varicocele by venography. Nadel SN, et al. Fertil Steril 1984 Mar;41(3):479–81

Compensatory development of a patent vascular supply to the testis after intra-abdominal transection of its main blood vessels. Noordhuizen-Stassen EN, et al. Int J Androl 1983 Dec;6(6):509–19

An experimental study of the effect of ischemia on testicular structure in the rat. Efficacy of intravenous inosine. Carmignani G, et al. J Androl 1983 Nov-Dec;4(6):378–86

Scrotal hypothermia and testicular blood flow in the dog. Absence of thermal regulation. Glode LM, et al.

J Androl 1984 May-Jun;5(3):227-9

Testicular blood flow and fluid dynamics in monkeys with surgically induced varicoceles. Harrison RM, et al. **J Androl** 1983 Jul-Aug;4(4):256-60

Testicular blood flow in young and old rats and influence of hCG. Punjabi U, et al. **J Androl** 1984 May-Jun; 5(3):223-6

Testicular detorsion using Doppler ultrasound monitoring. Betts JM, et al. **J Pediatr Surg** 1983 Oct;18(5):607-10

Microdissection and radiographic studies of the arterial vasculature of the human testes. Lee LM, et al. **J Pediatr Surg** 1984 Jun;19(3):297-301

The effect of transection of the main vascular and nervous supply of the testis on the development of spermatogenic epithelium in the pig. Noordhuizen-Stassen EN, et al. **J Pediatr Surg** 1983 Oct;18(5):601-6

Testicular arterial perfusion in varicocele: the role of rapid sequence scintigraphy with technetium in varicocele evaluation. Comhaire F, et al. **J Urol** 1983 Nov; 130(5):923-6

Varicocele: reversal of the testicular blood flow and temperature effects by varicocele repair. Green KF, et al. **J Urol** 1984 Jun;131(6):1208-11

Transection of the spermatic vessels (Bevan's technique): an experimental study. Romero-Maroto J, et al. **J Urol** 1983 Dec;130(6):1223-7

Microsurgical spermaticoepigastric anastomosis for treatment of varicocele. Belgrano E, et al. **Microsurgery** 1984; 5(1):44-9

Testicular infarction secondary to acute inflammatory disease: demonstration by B-scan ultrasound. Bird K, et al. **Radiology** 1984 Sep;152(3):785-8

Experimental varicocele in the rat--a new experimental model. I. Effect on testicular structure. Carmignani G, et al. **Urol Res** 1983;11(4):195-8

Testicular revascularization using arterial without venous anastomosis for intraperitoneal cryptorchism. Sharlip ID. **Urology** 1984 Jul;24(1):34-7

[Topographico-anatomic data on the testicular artery, ductus deferens artery and cremaster artery in the stallion] Jantošovičová J, et al. **Gegenbaurs Morphol Jahrb** 1983; 129(4):467-82 (Eng. Abstr.) **(Ger)**

[Results of ligature of the upper testicular vein in idiopathic varicocele and subfertility] Lenk S, et al. **Z Urol Nephrol** 1984 Apr;77(4):207-12 (Eng. Abstr.) **(Ger)**

[Doppler ultrasound in the study of renal-spermatic vein reflux in patients with left varicocele] Farnetti F, et al. **Minerva Urol** 1983 Oct-Dec;35(4):279-84 (Eng. Abstr.) **(Ita)**

[Testicular blood flow changes of rats after treatment with cadmium chloride] Yanagi S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1812-20 (Eng. Abstr.) **(Jpn)**

[Function of the hematotesticular barrier and of developing germ cells in short-term ischemia of the testes] Parashchin VM. **Arkh Anat Gistol Embriol** 1984 Jan;86(1):100-5 (Eng. Abstr.) **(Rus)**

[Transfemoral endovascular obliteration of the testicular vein in the treatment of varicocele] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1983 Nov-Dec;(6):50-3 (Eng. Abstr.) **(Rus)**

[Selective testicular venography in non-palpable undescended testes in children] Tereshchenko AV, et al. **Vestn Khir** 1984 Jan;132(1):101-5 (Eng. Abstr.) **(Rus)**

[Variations in the origin of ovarian and testicular arteries] Mijač M, et al. **Srp Arh Celok Lek** 1983 May;111(5):609-15 **(Scc)**

[Venous reflux in varicoceles] Malatinský E, et al. **Bratisl Lek Listy** 1984 Apr;81(4):456-60 (Eng. Abstr.) **(Slo)**

[The collateral circulation of the testis. Its importance in testicular functional substitution. Experimental study] Romero J, et al. **Actas Urol Esp** 1983 Jul-Aug;7(4):295-300 (Eng. Abstr.) **(Spa)**

[Gonadal and pituitary function in idiopathic hemochromatosis] Varela C, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):606-9 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Mast cells in the human testis and epididymis from birth to adulthood. Nistal M, et al. **Acta Anat (Basel)** 1984; 119(3):155-60

Structure, cytochemistry, endocytic activity, and immunoglobulin (Fc) receptors of rat testicular interstitial-tissue macrophages. Miller SC, et al. **Am J Anat** 1983 Sep;168(1):1-13

Identification of Leydig-like cells in the testis of the dogfish Squalus acanthias. Pudney J, et al. **Anat Rec** 1984 Jul; 209(3):323-30

Gonadal and extragonadal sperm reserves of the Brazilian Nelore zebu (Bos indicus). Godinho HP, et al. **Andrologia** 1984 Mar-Apr;16(2):131-4

Testicular macrophages: isolation, characterization and hormonal responsiveness. Yee JB, et al. **Biol Reprod** 1983 Dec;29(5):1319-26

Monoclonal antibodies against spermatozoa of the common carp (Cyprinus carpio L.). I. A study germ cell antigens in adult males and females. Parmentier HK, et al. **Cell Tissue Res** 1984;236(1):99-105

Viability of ram testicular spermatozoa following cryopreservation in rete testis fluid. Voglmayr JK, et al. **Cryobiology** 1983 Aug;20(4):421-31

Aspiration biopsy of testis: another method for histologic examination. Nseyo UO, et al. **Fertil Steril** 1984 Aug; 42(2):281-4

Onset of the response to chorionic gonadotropin in the chick embryo testis. Pedernera E, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):344-9

Stage-dependent topographical relationship of spermatogonia and early spermatocytes to Sertoli-Sertoli interspaces in the rat testis. Ulvik NM. **Int J Androl** 1983 Oct;6(5):469-81

Major histocompatibility antigens are not detectable on post-meiotic human testicular germ cells. Anderson DJ, et al. **J Immunol** 1984 Oct;133(4):1962-5

Response to fission neutron irradiation of spermatogonial stem cells in different stages of the cycle of the seminiferous epithelium. van Beek ME, et al. **Radiat Res** 1984 Mar; 97(3):556-69

Testicular cells in hybrid water buffaloes (Bubalus bubalis). Bongso TA, et al. **Res Vet Sci** 1983 Nov;35(3):253-8

Effect of experimental microvascular orchidopexy on spermatogenic cell differentiation in the testes of the dog. Garibyan H, et al. **Urol Int** 1984;39(1):21-4

The postnatal development of the human sertoli cells. Nistal M, et al. **Z Mikrosk Anat Forsch** 1983;97(5):739-52

[Ultrastructure of intercellular bridges of male germ cells] Linares C. **Z Mikrosk Anat Forsch** 1983;97(2):245-64 (Eng. Abstr.) **(Ger)**

[Comparative analysis of cellular maturation in male and female gonads] Mushkambarov NN. **Akush Ginekol (Mosk)** 1984 Apr;(4):12-5 (25 ref.) **(Rus)**

[Intercellular bridges between sex cells in the bull testicle] Kleiss C, et al. **Anat Histol Embryol** 1983 Sep;12(3):230-44 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Endocrinological and histological changes induced by flutamide treatment on the hypothalamo-hypophyseal testicular axis of the adult male rat and their incidences on fertility. Viguier-Martinez MC, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):246-52

Biochemical analysis of rat testis and epididymis after cyproterone acetate treatment. Kalla NR, et al. **Acta Eur Fertil** 1983 Sep-Oct;14(5):345-8

Effect of cyproterone acetate on testis and accessory sex organs of male rat. Kalla NR, et al. **Acta Eur Fertil** 1983 Nov-Dec;14(6):415-20

Ethanol-induced inhibition of testicular steroidogenesis in vitro: prevention by pyrazole. Van Thiel DH. **Acta Med Port** 1983 Sep-Oct;4(9-10):393-7

Evaluation of the differential in vivo toxic effects of ethanol and acetaldehyde on the hypothalamic-pituitary-gonadal axis using 4-methylpyrazole. Gavaler JS, et al. **Alcoholism (NY)** 1983 Summer;7(3):332-6

Naloxone has a local effect on the testis of immature rats. Gerendai I, et al. **Andrologia** 1983 Jul-Aug;15(4):398-403

Nitrogen dioxide exposure--influence on rat testes. Kripke BJ, et al. **Anesth Analg** 1984 May;63(5):526-8

Recovery of testicular function after chemotherapy - a case report. Epenetos AA. **Anticancer Res** 1984 May-Jun; 4(3):203

Effect of a single maximal and low multiple doses of testosterone propionate (TP) on male reproductive organs in Long Evans rats. Bari MA, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):17-23

Ontogeny of rodent testicular androgen production in response to isoproterenol and luteinizing hormone in vitro. Anakwe OO, et al. **Biol Reprod** 1984 Jun;30(5):1142-52

Effects of the luteinizing hormone-releasing hormone (LHRH) analog D-Trp6-Pro9-NEt-LHRH on the pituitary-gonadal axis of prepubertal rhesus monkeys. Cassorla F, et al. **Biol Reprod** 1984 Jun;30(5):1130-4

Pituitary and gonadal responses to continuous infusion of gonadotropin releasing hormone in the male bullfrog, Rana catesbeiana. Mc Creery BR, et al. **Biol Reprod** 1983 Aug; 29(1):129-36

Effects of forskolin on androgen production by mouse interstitial cells in vitro. Interactions with luteinizing hormone and isoproterenol. Moger WH, et al. **Biol Reprod** 1983 Nov;29(4):932-7

Mechanisms involved in the ability of human chorionic gonadotropin to increase the responsiveness of the infant rat's testis to follicle-stimulating hormone. Pomerantz DK. **Biol Reprod** 1984 Feb;30(1):119-25

Time course of sensitivity of golden hamsters to melatonin injections throughout the day. Stetson MH, et al. **Biol Reprod** 1983 Sep;29(2):432-8

Toxic effect of lead on the testes of rat. Chowdhury AR, et al. **Biomed Biochim Acta** 1984;43(1):95-100

Ranitidine does not affect gonadal function in man. Wang C, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):430-2

Phasic distribution of seminiferous tubules in rats treated with triphenyltin compounds. Snow RL, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):658-65

Lethal dose estimation and histophysiological effects of an organosilicon compound on rat kidney, liver and testis. Haider SG, et al. **Cell Mol Biol** 1983;29(4):299-306

Cross-linking of DNA in liver and testes of rats fed 1,3-propanediol. Summerfield FW, et al. **Chem Biol Interact** 1984 Jun;50(1):87-96

Use of LHRH agonists and antagonists in male contraception: a review. Sundaram K. **Contraception** 1984 Feb; 29(2):163-70 (39 ref.)

Species differences in the sensitivity to the antitesticular effects of [Ac-D-NAL(2)1, 4FD-Phe2, D-Trp3,D-Arg6]-LHRH, a potent LHRH antagonist. Sundaram K, et al. **Contraception** 1984 Mar;29(3):271-81

Effects of ethanol on the male hypothalamic-pituitary-gonadal axis. Boyden TW, et al. **Endocr Rev** 1983 Fall;4(4):389-95 (83 ref.)

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis, in chronic pesticide exposure. IV. Effects of the herbicide 2,4-dichlorophenoxyacetic acid. Nicolau GY. **Endocrinologie** 1983 Jul-Sep; 21(3):169-74

Comparison of methods for detecting mitomycin C- and ethyl nitrosourea-induced germ cell damage in mice: sperm enzyme activities, sperm motility, and testis weight. Ficsor G, et al. **Environ Mutagen** 1984;6(3):287-98

The stimulatory effect of corticotrophin on testicular testosterone release in male rabbits. Pitzel L, et al. **Exp Clin Endocrinol** 1984 May;83(3):297-302

Season-dependent effects of melatonin on testes and fur color in mountain hares (Lepus timidus L.). Küderling I, et al. **Experientia** 1984 May 15;40(5):501-2

Effects of thyroxine on the reproductive organs and growth of young chickens. Majeed SK, et al. **Experientia** 1984 Mar 15;40(3):281-3

Differential effect of luteinizing hormone-releasing hormone infusion on testicular steroids in normal men and patients with idiopathic oligospermia. Dony JM, et al. **Fertil Steril** 1984 Aug;42(2):274-80

Progonadal effect of melatonin on dark exposed or blinded male toads, Bufo melanostictus. Chanda S, et al. **Folia Biol (Krakow)** 1983;31(3):297-301

Effect of some phthalate esters and other testicular toxins on primary cultures of testicular cells. Gray TJ, et al. **Food Chem Toxicol** 1984 Feb;22(2):123-31

Comparative effect of farnesylacetone on macromolecular synthesis in gonads of crustaceans. Berreur-Bonnenfant J, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):462-8

hCG-induced maturation of the seminiferous epithelium in hypogonadotropic men. D'Agata R, et al. **Horm Res** 1984; 19(1):23-32

Testicular responsiveness to hCG of the ovine fetus in the last third of gestation. Hamel R, et al. **Horm Res** 1983; 18(4):198-205

Effect of selenium dioxide on the testes of rat. Chowdhury AR, et al. **Indian J Physiol Pharmacol** 1983 Jul-Sep; 27(3):237-40

Effects of bromocriptine on pituitary-testicular function in the rat: possible inhibition of in vitro production of androgen by Leydig cells. Grizard G, et al. **Int J Androl** 1983 Dec;6(6):563-74

The effect of estrogen administration in vivo on the elemental composition of the intraluminal fluids of the seminiferous tubules, rete testis, and epididymis of the rat. Jenkins AD, et al. **J Androl** 1983 Jul-Aug;4(4):272-5

In vitro testosterone secretion by testicular tissue from young bulls and the effects of chronic and acute exposure to estradiol-17 beta. D'Occhio MJ, et al. **J Anim Sci** 1984 Apr;58(4):949-54

Pituitary-testicular responses of estradiol-17 beta-implanted bull calves to continuous versus pulsatile infusion of luteinizing hormone releasing hormone. Schanbacher BD. **J Anim Sci** 1984 Apr;58(4):943-8

Subacute oral toxicity of tri-n-butyl phosphate in the Sprague-Dawley rat. Laham S, et al. **J Appl Toxicol** 1984 Jun;4(3):150-4

Effects of 10 days administration of percutaneous dihydrotestosterone on the pituitary-testicular axis in normal men. Kuhn JM, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):231-5

Blockade of neonatal activation of the pituitary-testicular axis with continuous administration of a gonadotropin-releasing hormone agonist in male rhesus monkeys. Mann DR, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):207-11

Influence of continuous gonadotropin-releasing hormone (GnRH) agonist treatment on luteinizing hormone and testosterone secretion, the response to GnRH, and the testicular response to human chorionic gonadotropin in male rhesus monkeys. Mann DR, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):262-7

Absence of a direct inhibitory effect of the gonadotropin-releasing hormone (GnRH) agonist D-Ser (TBU)6, des-Gly-NH2(10) GnRH ethylamide (Buserelin) on testicular steroidogenesis in men. Schaison G, et al. **J Clin Endocrinol Metab** 1984 May;58(5):885-8

Suppression of pituitary and testicular function in normal men by constant gonadotropin-releasing hormone agonist infusion. Schürmeyer T, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):19-24

Pituitary and gonadal response to LH releasing hormone administration in the female and male cheetah. Wildt DE, et al. **J Endocrinol** 1984 Apr;101(1):51-6

Effects of sulpiride induced hyperprolactinemia on testosterone secretion and metabolism before and after HCG in normal men. Bernini GP, et al. **J Endocrinol Invest** 1983 Aug;6(4):287-91

Comparative protective actions of gonadotrophins and testosterone against the antispermatogenic action of ethane dimethanesulphonate. Jackson CM, et al. **J Reprod Fertil** 1984 Jul;71(2):393-401

Effects of cholinergic and adrenergic drugs on intraluminal pressures and contractility of the rat testis and epididymis in vivo. Pholpramool C, et al. **J Reprod Fertil** 1984 May; 71(1):181–8

Effect of gossypol on testicular blood flow and testosterone production in rats. Wang JM, et al. **J Reprod Fertil** 1984 May;71(1):127–33

Paramethasone acetate (PA): corticosteroid potency vs hypothalamic pituitary–gonadal axis. Cortés-Gallegos V, et al. **J Steroid Biochem** 1984 Jan;20(1):353–6

Effect of benomyl on the reproductive development of male rats. Carter SD, et al. **J Toxicol Environ Health** 1984; 13(1):53–68

Chemotherapy and its effect on testicular morphology in children. Hensle TW, et al. **J Urol** 1984 Jun;131(6):1142–4

Desensitization of ornithine decarboxylase activity to norepinephrine in the testis of rat. Madhubala R, et al. **Life Sci** 1984 Mar 12;34(11):1041–6

Coincidence of counter-antigonadal and counter-antithyroid action of melatonin administration via the drinking water in male golden hamsters. Vriend J, et al. **Life Sci** 1984 Feb 13;34(7):617–23

Suppression of spermatogenesis without inhibition of steroidogenesis by a 1,2,3-trihydroxypropane solution. Wiebe JP, et al. **Life Sci** 1984 Apr 30;34(18):1747–54

Testicular function following combination chemotherapy with cis-platin, vinblastine, and bleomycin. Johnson DH, et al. **Med Pediatr Oncol** 1984;12(4):233–8

Sperm abnormality assay of metronidazole and tinidazole. Pylkkänen L, et al. **Mutat Res** 1984 Jun–Jul; 140(2–3):137–40

Effect of the antiandrogen flutamide (Niftolide) on testicular androgen production in hypophysectomized rats. Volkova NN. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):139–41

Resistance of the male gonad to a high galactose diet. Chen YT, et al. **Pediatr Res** 1984 Apr;18(4):345–8

Male reproductive tract sensitivity to ethanol: a critical overview. Anderson RA Jr, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:305–10

Effects of hippadine, an Amaryllidaceae alkaloid, on testicular function in rats. Chattopadhyay S, et al. **Planta Med** 1983 Dec;49(4):252–4

Effect of methoxychlor on reproductive systems of the rat. Bal HS. **Proc Soc Exp Biol Med** 1984 Jun;176(2):187–96

Indomethacin decreases both luteinizing hormone binding and fluidity of testicular microsomal membranes in rat. Dave JR, et al. **Prostaglandins Leukotrienes Med** 1983 Dec; 12(4):371–80

Subcellular site of antispermatogenic effect of gossypol and its possible molecular mechanism of action. Xue SP, et al. **Sci Sin [B]** 1983 Jun;26(6):614–33

Ethanol: its adverse effects upon the hypothalamic–pituitary–gonadal axis. Gavaler JS, et al. **Subst Alcohol Actions Misuse** 1983;4(2–3):97–110

Changes in lactate dehydrogenase isozyme-X activity induced by cadmium administration. Itoh R. **Toxicol Lett** 1984 Feb;20(2):173–6

The effect of cadmium on steroidogenesis by testes of the rainbow trout, Salmo gairdneri. Kime DE. **Toxicol Lett** 1984 Jul;22(1):83–8

Testicular atrophy of rats induced by di-2-ethylhexyl phthalate: effects of vitamin A and zinc concentrations in the testis, liver and serum. Oishi S. **Toxicol Lett** 1984 Jan; 20(1):75–8

Toxic effects of some xanthine derivatives with special emphasis on adverse effects on rat testes. Dahlbäck M, et al. **Toxicology** 1984 Jul;32(1):23–35

Effect of repeated implantation with anabolic agents on growth rate, carcase weight, testicular size and behaviour of bulls. O'Lamhna M, et al. **Vet Rec** 1983 Dec 3; 113(23):531–4

[Effects of gossypol on rat testicular mitochondria] Fei RR, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug;5(4):219–22 (Eng. Abstr.) **(Chi)**

[Effects of Hachimijiogan on hypothalamo–pituitary–testicular system] Utsugi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2305–10 (Eng. Abstr.) **(Jpn)**

[Structure and function of the male gonads after cadmium poisoning] Gaździk T, et al. **Postepy Hig Med Dosw** 1983 Mar–Apr;37(2):215–30 (99 ref.) (Eng. Abstr.) **(Pol)**

[Comparative characteristics of the effect of thyrotropin and prolactin on the development of the incretory and generative sections of the testes of mammalian fetuses] Brindak OI, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):69–71 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the sensitivity of different morphological methods of studying the gonadotoxic effect of heavy metals] Krasovskiĭ GN, et al. **Gig Sanit** 1984 May; (5):46–8 **(Rus)**

[Gonadotoxic action of methyl-N-(2-benzimidazolyl)carbamate with a probability assessment of its effective concentrations] Pastushenko TV. **Gig Sanit** 1983 Jul;(7):83–5 **(Rus)**

[Comparative study of the effectiveness of various doses of estrogens after their 'central' and 'peripheral' administration] Kuz'menko VN. **Prakt Endokrinol (Mosk)** 1983 Sep–Oct;29(5):75–8 (Eng. Abstr.) **(Rus)**

[Testicular damage caused by chemotherapy in acute lymphoblastic leukemia] Pasqualini T. **Medicina (B Aires)** 1983;43(5):579–86 **(Spa)**

EMBRYOLOGY

Fluctuations in the number of germ cells during the late foetal and early postnatal periods in boys. Müller J, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):271–4

Hormonal regulation of testicular descent. Habenicht UF, et al. **Adv Anat Embryol Cell Biol** 1983;81:1–54 (98 ref.)

Leydig cell development in the pig testis during the late fetal and early postnatal period: an electron microscopic study with attention to the influence of fetal decapitation. van Vorstenbosch CJ, et al. **Am J Anat** 1984 Feb;169(2):121–36

Cyproterone acetate induced changes in the behaviour of hydroxysteroid dehydrogenases in rat Leydig cells during perinatal development. Haider SG, et al. **Andrologia** 1983 Sep–Oct;15(5):498–506

Precocious initiation of meiosis by male germ cells of the mouse. Ozdzenski W, et al. **Arch Anat Microsc Morphol Exp** 1984;73(1):1–7

Morphometry of fetal Leydig cells in the monkey (Macaca fascicularis), correlation with plasma testosterone. Fouquet JP, et al. **Biol Cell** 1983;49(3):267–72

Influence of adenosine 3':5'-cyclic monophosphate analogues on testicular organization of fetal mouse gonads in vitro. Taketo T, et al. **Biol Reprod** 1984 Feb;30(1):189–98

Regulation of testosterone production in fetal testicular cells: effect of androgens. Pointis G, et al. **Experientia** 1984 Jul 15;40(7):756–7

Control of the hormonal secretions of quail embryo gonads (normal and DES-treated): in vitro effects of testosterone and of hCG. Guichard A, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):347–52

Foetal testicular steroidogenesis and responsiveness to LH in freemartins and their male co-twins. Shore LS, et al. **Int J Androl** 1984 Feb;7(1):87–93

Origin of anti-Müllerian hormone in bovine freemartin fetuses. Vigier B, et al. **J Reprod Fertil** 1984 Mar; 70(2):473–9

HY antigen: genetic control and role in testicular differentiation. Golimbu M. **Urology** 1984 Aug;24(2):115–21

ENZYMOLOGY

Glutathione transferases in rat testis. Guthenberg C, et al. **Acta Chem Scand [B]** 1983;37(3):261–2

Cytochemical study on the distribution of adenylate cyclase in guinea pig testis. Pascolini R, et al. **Anat Rec** 1985 Dec; 207(4):629–33

Age related development of angiotensin converting enzyme in testes and epididymis of rat. Jaiswal AK, et al. **Andrologia** 1983 Jul–Aug;15(4):347–9

Nitrous oxide inactivates methionine synthetase activity in rat testis. Brodsky JB, et al. **Anesthesiology** 1984 Jul; 61(1):66–8

Differential response of testicular and ovarian heme oxygenase activity to metal ions. Maines MD, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):134–44

Studies on the rabbit proacrosin-acrosin system. Mukerji SK. **Arch Biochem Biophys** 1984 May 1;230(2):412–23

Loose binding of testicular mitochondrial ATPase to the inner membrane. Vázquez-Memije ME, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):441–9

Dipeptidyl carboxypeptidase from seminal fluid resembles the pulmonary rather than the testicular isoenzyme. El-Dorry HA, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1096–100

Direct influence of dexamethasone in vivo on rat testicular lipogenic enzymes involved in pyruvate-malate pathway. Valivullah HM, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):606–10

Desensitization of testicular ornithine decarboxylase to prostaglandin E2. Madhubala R, et al. **Biochem Int** 1984 Mar;8(3):437–44

Selective induction of glutathione S-transferase D in rat testis by phenobarbital. Sheehan D, et al. **Biochem J** 1984 Apr 15;219(2):687–8

Affinity chromatographic purification of angiotensin converting enzyme. Pantoliano MW, et al. **Biochemistry** 1984 Feb 28;23(5):1037–42

Effect of thyroxine-induced hyperthyroidism on some testicular enzymes of the pyruvate/malate cycle. Aruldhas MM, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):143–6

Purification and properties of cyclic nucleotide-independent phosvitin kinase from pig testis. Katoh N, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):61–8

Diisopropylfluorophosphate-interacting proteinases of nuclei of rat testis cells. Kumaroo KK, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):320–7

A beta-citryl-L-glutamate-hydrolysing enzyme in rat testes. Miyake M, et al. **Biochim Biophys Acta** 1983 Oct 18; 760(2):206–14

The acylation of lysophosphatidylcholine in the rat testicular tissue: the combined activity of acyl-CoA synthetase and lysolecithin acyltransferase. Chaudhary LR. **Biochimie** 1982 Mar;64(3):211–7

Characterization and localization of alkaline phosphatase activity in rat testes. Kornblatt MJ, et al. **Biol Reprod** 1983 Aug;29(1):157–64

A simple and rapid method for purification of the beta-D-galactosidase from bovine testes. Madiyalakan R, et al. **Carbohydr Res** 1984 Jul 1;129:298–302

Circadian rhythm of lactate dehydrogenase in rat testis. Vermouth NT, et al. **Comp Biochem Physiol [B]** 1984; 78(4):897–902

Immunohistochemical localization of mouse testis-specific phosphoglycerate kinase (PGK-2) by monoclonal antibodies. Blüthmann H, et al. **EMBO J** 1982;1(4):479–84

Histochemical location of 17 beta-hydroxysteroid oxidoreductase in the adult and infantile human testis. Oshima H, et al. **Endocrinol Jpn** 1983 Jun;30(3):367–72

Cytoplasmic malic enzyme and testicular steroidogenesis in mice. Chubb C, et al. **Endocrinology** 1984 Apr; 114(4):1070–3

Hormonal regulation of deoxyribonucleic acid polymerase beta activity in rat testis. Nagasaka A, et al. **Endocrinology** 1984 Sep;115(3):1110–5

Antigenic determinants of human placental and testicular placental-like alkaline phosphatases as mapped by monoclonal antibodies. Millán JL, et al. **Eur J Biochem** 1983 Oct 17;136(1):1–7

Identification of an autosomal locus affecting steroid sulfatase activity among inbred strains of mice. Erickson RP, et al. **Genetics** 1983 Sep;105(1):181–9

Poly(ADP-ribose) synthetase associated to cytoplasmic structures of meiotic cells. Burzio LO, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:141–52

Characterization of multiple forms of cholesteryl ester hydrolase in the rat testis. Durham LA 3d, et al. **J Biol Chem** 1984 Jun 25;259(12):7433–8

Dissociation of heme metabolic activities from the microsomal cytochrome P-450 turnover in testis of hypophysectomized rats. Maines MD, et al. **J Biol Chem** 1984 Aug 10;259(15):9557–62

Heat-stable calmodulin-binding protein in rat testis. Inhibition of calmodulin-stimulated cyclic nucleotide phosphodiesterase activity. Ono T, et al. **J Biol Chem** 1984 Jul 25;259(14):9011–6

Immunocytochemical localization of chick DNA polymerases alpha and beta +. Matsukage A, et al. **J Cell Physiol** 1983 Nov;117(2):266–71

Normal testicular structure and reproductive function in deermice lacking retinol and alcohol dehydrogenase activity. Leo MA, et al. **J Clin Invest** 1984 Feb;73(2):593–6

Histochemical studies on steroid dehydrogenases in the testis of the goat (Capra hircus). Bilaspuri GS, et al. **J Endocrinol** 1984 Jun;101(3):359–63

Carbonic anhydrase activity of the reproductive tract tissues of aged male fowls and its relationship to semen production. Harris GC Jr, et al. **J Reprod Fertil** 1984 Jan;70(1):25–30

Changes in isoproterenol-stimulated adenylate cyclase activity in rat testicular tissue during cryptorchidism and after orchidopexy. Jahnsen T, et al. **J Reprod Fertil** 1984 Mar;70(2):443–8

Studies on cytochrome P-450-dependent microsomal enzymes of testicular androgen and estrogen biosynthesis in a urodele amphibian, Necturus. Canick JA, et al. **J Steroid Biochem** 1984 Jul;21(1):15–20

Side-chain cleavage of C21 steroids by testicular microsomal cytochrome P-450 (17 alpha-hydroxylase/lyase): involvement of heme. Nakajin S, et al. **J Steroid Biochem** 1983 Sep;19(3):1345–8

Intratubular localization of 4-ene-5 beta-reductase and 17 beta-hydroxy-dehydrogenase in immature golden hamster testis. Yabumoto H, et al. **J Steroid Biochem** 1983 Nov; 19(5):1623–6

A novel acid ribonuclease from white-spotted charr (Salvelinus leucomaenis): purification and characterization of the homogeneous enzyme. Izuta S, et al. **Nucleic Acids Symp Ser** 1983;(12):149–52

Mouse lactate dehydrogenase (LDH) C4 (testis) is immunochemically cross-reactive with LDH A4 (muscle) and LDHB4 (heart). Wright LL, et al. **Scand J Immunol** 1984 Mar;19(3):247–54

3 beta-Hydroxysteroid dehydrogenase/delta 5–4 isomerase activity in the rhesus monkey placenta and fetal adrenal, testis and ovary during late gestation. Sholl SA. **Steroids** 1983 Jun;41(6):757–68

Solubilization and partial purification of 4,16-androstadien-3-one synthesizing enzyme from boar testis microsomes and requirements for the enzymatic activity. Tsunezumi S, et al. **Steroids** 1983 Jun;41(6):703–18

Studies with chlorambucil. I. Effect on lactate dehydrogenase in the testes of albino rabbits treated with multiple doses of chlorambucil. Haqqi TM, et al. **Toxicol Lett** 1983 Jun; 17(1–2):151–7

Biochemical studies on acid phosphatase in the goat (Capra hircus) testis. Bilaspuri GS, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):498–505

[Localization of alkaline and acid phosphatases in the testes and epididymis of calves during postnatal development] Semkov M, et al. **Vet Med Nauki** 1984;21(2):49–57 (Eng. Abstr.) **(Bul)**

[Microsomal glucose 6-phosphate dehydrogenase in the rat testis—an testis-specific isoenzyme?] Wagner HJ, et al. **Biomed Biochim Acta** 1984;43(1):3–9 (Eng. Abstr.) **(Ger)**

[Studies of lactate dehydrogenase (LDH) in the testis. 2. Relation of testicular LDH and its isozymes to spermatogenesis in human testis] Uchijima Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):635–9 (Eng. Abstr.) **(Jpn)**

[Studies of lactate dehydrogenase (LDH) in the testis. 1. Relation of testicular LDH and its isozymes to development of testicular function in rats] Uchijima Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):626–34 (Eng. Abstr.) **(Jpn)**

[Experimental study of the rebound phenomenon after testosterone administration—changes in enzyme activities in testicular steroid biosynthesis] Shimizu Y.
Nippon Naibunpi Gakkai Zasshi 1983 Aug 20;59(8):1168–80 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Role of thyroid in testicular development of immature rat. Chowdhury AR, et al. **Arch Androl** 1984;12(1):49–51
In vitro development of seminiferous tubules from immature rat testis: ultrastructural and morphometric studies. Gelly JL, et al. **Biol Cell** 1984;50(2):191–4
Development of the testes in female domestic fowls submitted to an experimental sex reversal during embryonic life. Rashedi M, et al. **Biol Reprod** 1983 Dec;29(5):1221–7
Photoperiodic influences on testicular development of deer mice from two different altitudes. Weiner C, et al.
Biol Reprod 1984 Mar;30(2):507–13
Precocious development of the testes in chicks following parasagittal knife cuts of the lateral hypothalamic area. Mass JH, et al. **Brain Res** 1983 Nov;312(2):165–9
Testicular recrudescence in the golden hamster (Mesocricetus auratus): a possible model of sexual maturation. Berkowitz AS, et al. **Endocrinology** 1984 Mar;114(3):855–60
Antigonadal effects of timed melatonin infusion in pinealectomized male Djungarian hamsters (Phodopus sungorus sungorus): duration is the critical parameter. Carter DS, et al. **Endocrinology** 1983 Oct;113(4):1261–7
Progonadal role of the pineal in the Djungarian hamster (Phodopus sungorus sungorus): mediation by melatonin. Carter DS, et al. **Endocrinology** 1983 Oct;113(4):1268–73
Effects of timed melatonin infusions on reproductive development in the Djungarian hamster (Phodopus sungorus). Goldman BD, et al. **Endocrinology** 1984 Jun; 114(6):2074–83
The ontogeny of immunoreactive beta-endorphin in fetal, neonatal, and pubertal testes from mouse and hamster. Shaha C, et al. **Endocrinology** 1984 May;114(5):1584–91
1,25-dihydroxyvitamin D3 receptors in the seminiferous tubules of the rat testis increase at puberty. Walters MR. **Endocrinology** 1984 Jun;114(6):2167–74
Ontogeny of gonadotropin receptors in the fetal and neonatal rat testis. Warren DW, et al. **Endocrinology** 1984 Feb; 114(2):470–6
Photoperiod control of reproductive development in the male Djungarian hamster (Phodopus sungorus). Yellon SM, et al. **Endocrinology** 1984 Feb;114(2):664–70
Leydig cell differentiation during the reproductive cycle of the seasonal breeder Camelus dromedarius: an ultrastructural analysis. Friedländer M, et al.
Gen Comp Endocrinol 1984 Jul;55(1):1–11
Effect of age on testes volume. Garg S, et al.
Indian J Med Res 1983 Jul;78:59–63
The role of a non-androgenic testicular factor in the process of testicular descent in the dog. Baumans V, et al.
Int J Androl 1983 Dec;6(6):541–52
Maturation of the juvenile rat testis after surgical treatment of cryptorchidism. Karpe B, et al. **Int J Androl** 1984 Apr; 7(2):154–66
Early differentiation of the testis in the native cat, Dasyurus viverrinus (Marsupialia). Ullmann SL. **J Anat** 1984 Jun;138 (Pt 4):675–88
Breed and heterosis effects on testicular development and endocrine function of puberal boars. Fent RW, et al.
J Anim Sci 1983 Aug;57(2):425–32
Testicular development and endocrine characteristics of boars selected for either high or low testis size. Schinckel AP, et al. **J Anim Sci** 1984 Mar;58(3):675–85
Relationships among measures of testicular development and endocrine function in boars. Schinckel AP, et al.
J Anim Sci 1984 May;58(5):1255–61
Relationship of the length of exposure to short photoperiod to the effect of prolactin on pituitary and testicular function in the golden hamster. Bartke A, et al. **J Reprod Fertil** 1983 Nov;69(2):587–95
Changes in photoperiod and nutrition and their effect on testicular growth of rams. Lindsay DR, et al.
J Reprod Fertil 1984 Jul;71(2):351–6
Changes with age in activities of 4-ene-5 alpha-reductase, 17 beta-ol-dehydrogenase and 17-hydroxylase in normal and neonatally grafted mouse testes. Takeyama M, et al. **J Steroid Biochem** 1984 Jun;20(6A):1273–8
Fluorescent damage products of lipid peroxidation. Dillard CJ, et al. **Methods Enzymol** 1984;105:337–41
Pituitary-testicular function in immature rats after treatment with GnRH antagonist, GnRH antiserum and bromocriptine. Huhtaniemi IT, et al.
Mol Cell Endocrinol 1984 Feb;34(2):137–43
Advanced gonadal development in male turkeys following knife cuts directed to the hypothalamus. Kuenzel WJ, et al. **Poult Sci** 1984 Mar;63(3):568–72
Maturation of the hypothalamic—pituitary—gonadal axis in the male lamb: a review. Collu R, et al.
Psychoneuroendocrinology 1983;8(2):213–24 (39 ref.)

IMMUNOLOGY

Immunological response of guinea pigs sensitized with homologous antigens. Alonso A, et al.
Am J Reprod Immunol 1984 Jul–Aug;6(1):14–8
Genetic susceptibility to testicular autoimmunity: comparison between postthymectomy and postvasectomy models in mice. Kojima A, et al. **Biol Reprod** 1983 Aug;29(1):195–205
Intra-epithelial lymphocytes in the normal epididymis. A mechanism for tolerance to sperm auto-antigens? Ritchie AW, et al. **Br J Urol** 1984 Feb;56(1):79–83
Studies of rabbit testes infected with Treponema pallidum. II Local synthesis of antibodies. Wicher V, et al.
Br J Vener Dis 1983 Dec;59(6):359–63
Studies of rabbit testes infected with Treponema pallidum. III. Immunosuppressive activity of infiltrating mononuclear cells. Wicher V, et al. **Br J Vener Dis** 1984 Feb;60(1):1–7
Local passive transfer of delayed type hypersensitivity to syngeneic testicular cells in mice. Sakamoto Y, et al.
Clin Exp Immunol 1984 May;56(2):353–60
A testis antigen related to the brain D2 adhesion protein. Jørgensen OS, et al. **Dev Biol** 1983 Dec;100(2):275–86
Characterization of an antigen present on testicular cells and preimplantation embryos whose expression is modified by the t12 haplotype. Cheng CC, et al. **J Immunogenet** 1983 Dec;10(6):465–85
Gonad-specific uptake of H-Y antigen in the chicken. Nakamura D, et al. **J Reprod Immunol** 1984 Jan;6(1):11–7
The effect of testicular torsion on contralateral testis and the production of antisperm antibodies in rabbits. Cerasaro TS, et al. **J Urol** 1984 Sep;132(3):577–9
Effect of caponization on cell-mediated immunity of immature cockerels. Mashaly MM. **Poult Sci** 1984 Feb; 63(2):369–72
Characterization of a membrane antigen from rabbit testis and sperm isolated by using monoclonal antibodies and effect of its antiserum on fertility. Naz RK, et al.
Proc Natl Acad Sci USA 1984 Feb;81(3):857–61
Immune privilege in the testis. I. Basic parameters of allograft survival. Head JR, et al. **Transplantation** 1983 Oct; 36(4):423–31
[The hemato-testicular barrier and autoimmune reactions during ontogenesis] Il'chevich NV, et al. **Fiziol Zh** 1984 Jan-Feb;30(1):91–6 (Eng. Abstr.) **(Rus)**

INJURIES

Sonography of testicular trauma. Jeffrey RB, et al. **AJR** 1983 Nov;141(5):993–5
Male genital self mutilation after paternal death. Thompson JN, et al. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):727–8
Traumatic dislocation of the testis. O'Connell R, et al.
Ir Med J 1984 Apr;77(4):107–8
Traumatic rupture of the testicle: report of two cases and review of the literature. Dencklau VE.
J Am Osteopath Assoc 1984 Mar;83(7):509–11
Bilateral testicular rupture. Prasad SB.
J Indian Med Assoc 1983 Nov;81(9–10):165–7
Major traumatic and septic genital injuries. McAninch JW, et al. **J Trauma** 1984 Apr;24(4):291–8
Ultrasonography for the diagnosis and staging of blunt scrotal trauma. Anderson KA, et al. **J Urol** 1983 Nov;130(5):933–5
Re: Traumatic rupture of the testicle and a review of the literature [letter] Redman JF. **J Urol** 1983 Feb;129(2):393
Repair of shattered solitary testicle. Goldman MS.
Urology 1984 Sep;24(3):229–31
Traumatic dislocation of testis. Nagarajan VP, et al.
Urology 1983 Nov;22(5):521–4
[Traumatic rupture of the testis] Musierowicz A, et al.
Wiad Lek 1984 Feb 1;37(3):227–9 (Eng. Abstr.) **(Pol)**
[Treatment procedure for closed injuries to the scrotum and its organs] Tagirov RF, et al. **Voen Med Zh** 1984 Jul; (7):47–8 **(Rus)**

INNERVATION

Effect of unilateral orchidectomy on plasma FSH concentration: evidence for a direct neural connection between testes and CNS. Mizunuma H, et al.
Neuroendocrinology 1983 Oct;37(4):291–6
[2 notable aspects of the hypothalamic control of sexual functions. Feedback effect in the infundibular nucleus—hypertrophy of the subventricular nucleus] Ule G. **Nervenarzt** 1983 Dec;54(12):624–7 **(Ger)**

METABOLISM

Evidence for an adenosine receptor in human tissues. Kurpis L, et al. **Adv Exp Med Biol** 1984;165 Pt A:497–500
Endocytosis in epithelial cells lining the rete testis of the rat. Morales C, et al. **Anat Rec** 1984 Jun;209(2):185–95
On the in vitro metabolism of androstenedione and progesterone in human testicular tissue from fetal age to senescence. Hammar M, et al. **Andrologia** 1984 Jul–Aug; 16(4):283–8
Synthesis of testosterone and 5 alpha-reduced androgens during initiation of spermatogenesis in the rat. Kula K, et al. **Andrologia** 1983 Nov–Dec;15(6):627–34
Interaction of dexamethasone and dehydroepiandrosterone on testicular ascorbic acid and cholesterol in prepubertal rat. Chowdhury AR, et al. **Arch Androl** 1984;12(1):65–7
Estrogen receptor and aromatase activity in the testes of the unilateral cryptorchid rat. Damber JE, et al.
Arch Androl 1983 Dec;11(3):259–63
Modifications in the testis steroidogenic pathways in rats fed with cottonseed flour. Herrera J, et al. **Arch Androl** 1984; 12(1):53–8
Testicular gonadotropin receptors, testicular testosterone, dihydrotestosterone and androstenedione in the developing bull. Sundby A, et al. **Arch Androl** 1984;12(1):59–64
Rapid characterization of cellular retinoid-binding proteins by high-performance size-exclusion chromatography. Rainier S, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):818–25
Autoregulation of testicular luteinizing hormone receptors in hypogonadal (hpg/hpg) mice. Amador A, et al.
Biochem Genet 1984 Jun;22(5–6):395–401
Phenotypic variation in testosterone and luteinizing hormone production among boars: differential response to gonadotropin releasing hormone and adrenocorticotropic hormone. Juniewicz PE, et al. **Biol Reprod** 1983 Sep; 29(2):464–71
Ability of cortisol and progesterone to mediate the stimulatory effect of adrenocorticotropic hormone upon testosterone production by the porcine testis. Juniewicz PE, et al. **Biol Reprod** 1984 Feb;30(1):134–42
Glycoprotein synthesis in Sertoli cells during the cycle of the seminiferous epithelium of adult rats: a radioautographic study. Lalli MF, et al. **Biol Reprod** 1984 Mar;30(2):493–505
Identification of stage-specific proteins synthesized by rat seminiferous tubules. Wright WW, et al. **Biol Reprod** 1983 Aug;29(1):257–70
Studies on primate gonadotropin receptors: comparison of follitropin and lutropin receptors in human testis. Berman MI, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):561–8
Hormonal influences on formation of plasminogen activator by cultured testis tubule segments at defined stages of the cycle of the seminiferous epithelium. Fritz IB, et al.
Can J Biochem Cell Biol 1983 Jul;61(7):553–60
Studies of the biosynthesis and metabolism of rat testicular galactoglycerolipids. Hsu LH, et al.
Can J Biochem Cell Biol 1983 Dec;61(12):1272–81
Effect of glucocorticoid administration in vivo on insulin binding in rat testis. Saucier J, et al.
Can J Physiol Pharmacol 1983 Jul;61(7):653–6
Phorbol ester inhibition of ovarian and testicular steroidogenesis in vitro. Welsh TH Jr, et al.
Cancer Res 1984 Mar;44(3):885–92
In vitro effect of a seminal inhibin-like factor on FSH and LH uptake by rat testis receptors. Lugaro G, et al.
Cell Biol Int Rep 1984 Jul;8(7):538
Covalent binding of niridazole (Ambilhar) to tissue proteins of the rat. Oduah IN, et al. **Chem Biol Interact** 1984 May; 49(3):299–310
Stress- and (1-24)ACTH-induced alterations in adrenal and testicular steroidogenesis in Mongolian gerbils (Meriones unguiculatus): comparison of plasma levels, tissue content and in vitro secretion. Fenske M.
Comp Biochem Physiol [A] 1984;77(4):745–8
Translational regulation and deadenylation of a protamine mRNA during spermiogenesis in the mouse. Kleene KC, et al. **Dev Biol** 1984 Sep;105(1):71–9
Effect of streptozotocin-induced hyperglycaemia on androgen-binding protein in rat testis and epididymis. Kühn-Velten N, et al. **Diabetologia** 1984 Apr;26(4):300–3
Reduction of serum and testicular sialic acid by melatonin-free pineal extract in rats. Damian E, et al.
Endocrinologie 1984 Jan–Mar;22(1):17–9
Effect of pineal treatment on serum and testicular sialic and nucleic acids in basal and HCG treated rats. Damian E, et al. **Endocrinologie** 1984 Apr–Jun;22(2):103–11
Effect of pinealectomy on the circadian rhythms of RNA DNA and protein concentrations in the rat adrenal and testis. Nicolau GY. **Endocrinologie** 1984 Jan–Mar; 22(1):21–36
Anterior pituitary hormonal regulation of testicular gonadotropin-releasing hormone receptors. Bourne GA, et al. **Endocrinology** 1984 Aug;115(2):723–7
Human testicular androgen-binding protein shares immunodeterminants with serum testosterone-estradiol-binding globulin. Cheng CY, et al. **Endocrinology** 1984 Apr;114(4):1395–401
The heterogeneity of rat androgen-binding protein in serum differs from that in testis and epididymis. Cheng CY, et al. **Endocrinology** 1984 Apr;114(4):1386–94
Differential effects of monovalent and bivalent antisera on the interaction of follicle-stimulating hormone with its receptor. Dias JA, et al. **Endocrinology** 1984 Apr; 114(4):1259–65
Effect of bacitracin and polyamines on follicle-stimulating hormone binding to membrane-bound and detergent-solubilized bovine calf testis receptor. Dias JA, et al. **Endocrinology** 1983 Dec;113(6):2029–34
The effect of experimentally induced diabetes on the metabolism of glucose by seminiferous tubules and epididymal spermatozoa from the rat. Ford WC, et al.
Endocrinology 1984 Aug;115(2):716–22
Differences in the regulation of steroidogenesis and tropic hormone receptors between the scrotal and abdominal testes of unilaterally cryptorchid adult rats. Huhtaniemi I, et al. **Endocrinology** 1984 Aug;115(2):550–5
Gonadotropin-releasing hormone agonist analog-induced steroidogenic lesion in the neonatal rat testis: evidence for direct gonadal action. Huhtaniemi IT, et al.
Endocrinology 1984 Jul;115(1):233–8
Stimulation of prostaglandin E and testosterone production in rat interstitial cells by a gonadotropin-releasing hormone agonist. Molcho J, et al. **Endocrinology** 1984 Jun; 114(6):2382–7
Gonadotropin-releasing hormone stimulates phosphatidylinositol labeling and prostaglandin E production in Leydig cells. Molcho J, et al.

Endocrinology 1984 Mar;114(3):1048–50

Adenosine receptor localization in rat testes: biochemical and autoradiographic evidence for association with spermatocytes. Murphy KM, et al. **Endocrinology** 1983 Oct; 113(4):1299–305

Estrogen and androgen receptors in Sertoli, Leydig, myoid, and epithelial cells: effects of time in culture and cell density. Nakhla AM, et al. **Endocrinology** 1984 Jul; 115(1):121–8

Evidence for the role of phospholipids in follicle-stimulating hormone binding to membrane-bound and soluble receptors from calf testis. O'Neill WC, et al. **Endocrinology** 1984 Apr;114(4):1135–40

Direct effects of a luteinizing hormone-releasing hormone agonist on intratesticular levels of testosterone and interstitial fluid formation in intact male rats. Sharpe RM, et al. **Endocrinology** 1983 Oct;113(4):1306–13

1,25-dihydroxyvitamin D3 receptors in the seminiferous tubules of the rat testis increase at puberty. Walters MR. **Endocrinology** 1984 Jun;114(6):2167–74

Possible role of pituitary in Mitomycin C induced inhibition of testicular steroidogenesis. Banik S, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):331–6

Testosterone concentration in plasma and its production in the testes of the rat following testosterone, oestradiol and HCG application. Háčik T, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):153–9

Hormonal regulation of testicular LH/hCG receptors in rat. Kolena J, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):1–7

Fertility control in vas occluded rats and the biochemical effects of ascorbic acid feeding. Sharma JD, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):337–41

Effects of bromocriptine on plasma testosterone and gonadotropin levels and testicular lipid fractions in adult rats. Rao MR, et al. **Experientia** 1984 Jan 15;40(1):88–9

Quantitative changes of high mobility group non-histone chromosomal proteins HMG1 and HMG2 during rooster spermatogenesis. Chiva M, et al. **FEBS Lett** 1983 Oct 17; 162(2):324–8

Inhibition of testosterone biosynthesis by ethanol: relation to the pregnenolone-to-testosterone pathway. Eriksson CJ, et al. **FEBS Lett** 1984 Jul 9;172(2):177–82

Identification of 16-dehydropregnenolone as an intermediate in 16-androstene biosynthesis in neonatal porcine testicular microsomes. Kwan TK, et al. **FEBS Lett** 1984 Aug 20; 174(1):173–8

Intermediates in 16-androstene biosynthesis in neonatal porcine testis. Kwan TK, et al. **FEBS Lett** 1984 Feb 13; 167(1):103–8

The transepithelial movement of 3H-3-O-methyl-D-glucose in the hamster seminiferous and cauda epididymidal tubules. Turner TT, et al. **Fertil Steril** 1983 Oct;40(4):530–5

Testicular steroidogenesis in the camel (Camelus dromedarius) during the mating and the nonmating seasons. Bedrak E, et al. **Gen Comp Endocrinol** 1983 Nov; 52(2):255–64

The dynamics of the steroidogenic response of perfused Xenopus testis explants to gonadotropins. Boujard D, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):406–13

Bioconversion of steroids by the testes of the American lobster, Homarus americanus, in vitro. Burns BG, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):422–8

Adaptation of testicular follicle-stimulating hormone receptors to ambient temperatures in vertebrates: equilibrium analysis. Kubokawa K, et al. **Gen Comp Endocrinol** 1984 May;54(2):277–82

A receptor preparation from testes of Salmo gairdneri (Richardson): in vitro binding studies with 125I-labeled hCG and trout pituitary proteins. Schulz R, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):132–8

Age-dependent changes in rat testicular LH/hCG receptors in relation to the membrane fluidity. Kolena J, et al. **Gen Physiol Biophys** 1984 Feb;3(1):89–92

Genetic analysis of B2t, the structural gene for a testis-specific beta-tubulin subunit in Drosophila melanogaster. Kemphues KJ, et al. **Genetics** 1983 Oct; 105(2):345–56

Determination of absorbed dose to blood, kidneys, testes and thyroid in mice injected with 211At and comparison of testes mass and sperm number in x-irradiated and 211At treated mice. Harrison A, et al. **Health Phys** 1984 Feb; 46(2):377–83

The effect of varying doses of hCG on the in vivo uptake by rat testis and serum testosterone response. Veijola M, et al. **Horm Res** 1984;19(3):191–9

In vitro metabolism of progesterone by the human undescended testis. [letter] Hadziselimovic F. **Int J Androl** 1984 Feb;7(1):94–6

The effect of hCG-treatment on in vitro metabolism of progesterone by the human undescended pre-pubertal testis. Läckgren G, et al. **Int J Androl** 1983 Oct;6(5):414–22

In vitro metabolism of progesterone by the human undescended testis. Läckgren G, et al. **Int J Androl** 1983 Oct;6(5):423–32

Dominant lethal induction and testicular uptake of iodine-125 in mice. Lavu S, et al. **Int J Radiat Biol** 1984 Apr; 45(4):331–43

Seasonal changes in steroidogenesis in the testis of the rhesus monkey (Macaca mulatta). Higashi Y, et al. **J Androl** 1984 Mar-Apr;5(2):70–9

Effect of gossypol on testicular testosterone production in vitro. Kalla NR, et al. **J Androl** 1983 Sep-Oct;4(5):331–5

Human reproductive tissues contain thyrotropin releasing hormone (TRH) and TRH-homologous peptides. Pekary AE, et al. **J Androl** 1983 Nov-Dec;4(6):408–14

Contribution of cytochrome b5 to androgen synthesis in rat testicular microsomes. Ishii-Ohba H, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):335–43

Effect of vitamin A deficiency on the testis-specific histone TH2B of the rat. Wattanaseree J, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):179–86

Direct regulation of rat testicular steroidogenesis by neurohypophysial hormones. Divergent effects on androgen and progestin biosynthesis. Adashi EY, et al. **J Biol Chem** 1984 May 10;259(9):5440–6

Characterization of high mobility group protein levels during spermatogenesis in the rat. Bucci LR, et al. **J Biol Chem** 1984 Jul 25;259(14):8840–6

Multiple catalytic properties of the purified and reconstituted cytochrome P-450 (P-450sccII) system of pig testis microsomes. Suhara K, et al. **J Biol Chem** 1984 Jul 25; 259(14):8729–36

Isolation and characterization of TH3, a germ cell-specific variant of histone 3 in rat testis. Trostle-Weige PK, et al. **J Biol Chem** 1984 Jul 25;259(14):8769–76

Modulation of luteinizing hormone receptors: effect of an inhibitor of prolactin secretion, p-coumaric acid. Chowdhury M, et al. **J Endocrinol** 1983 Sep;98(3):307–11

Identification of 3 beta-hydroxy-5,7-pregnadien-20-one and 3 beta-hydroxy-5,7-androstadien-17-one as endogenous steroids in the fetal horse gonad. Tait AD, et al. **J Endocrinol** 1983 Oct;99(1):87–92

Oxygen consumption in gamma irradiated mouse testes. Pogany GC. **J Radiat Res (Tokyo)** 1983 Jun;24(2):173–83

Changes in insulin binding in rat testis following testosterone and gonadotrophins administration. Saucier J, et al. **J Recept Res** 1983;3(3):439–50

An in-vivo method for estimating inhibin production by adult rat testes. Au CL, et al. **J Reprod Fertil** 1984 May; 71(1):259–65

Identification of specific FSH binding sites in the testes of adult monkeys of different species. Berman MI, et al. **J Reprod Fertil** 1984 Mar;70(2):463–71

Effect of scrotal insulation on the ability of ram testes to produce testosterone in vitro. Byers SW. **J Reprod Fertil** 1984 May;71(1):17–21

Alteration of free sulphydryl content of rat sperm heads by suppression of intratesticular testosterone. Huang HF, et al. **J Reprod Fertil** 1984 Jan;70(1):31–8

Seasonal changes in testicular contents of testosterone and androstenedione and in the metabolic clearance rate of testosterone in the sand rat (Psammomys obesus). Khammar F, et al. **J Reprod Fertil** 1984 May;71(1):235–41

Variations in testicular androgen receptors and histology of the lamb testis from birth to puberty. Monet-Kuntz C, et al. **J Reprod Fertil** 1984 Jan;70(1):203–10

Incorporation of selenium-75 into semen and reproductive tissues of bulls and rams. Pond FR, et al. **J Reprod Fertil** 1983 Nov;69(2):411–8

Effect of prenatal treatment with busulfan on the hypothalamo-pituitary axis, genital tract and testicular histology of prepubertal male rats. Viguier-Martinez MC, et al. **J Reprod Fertil** 1984 Jan;70(1):67–73

Metabolism of [4-14C]testosterone and precursors by homogenates of rat testes after chronic LHRH-treatment. Eechaute W, et al. **J Steroid Biochem** 1984 May; 20(5):1201–5

Nuclear androgen binding sites in the male rat. II. Seminiferous tubules. Frankel AI. **J Steroid Biochem** 1984 Jun;20(6A):1295–300

Biochemical characterization of glucocorticoid receptors of rat testis. Kalimi M, et al. **J Steroid Biochem** 1983 Sep; 19(3):1265–72

Effect of human chorionic gonadotropin and estradiol in vivo on estradiol binder and cytochrome P-450 concentrations in rat testis. Kühn-Velten N, et al. **J Steroid Biochem** 1984 Feb;20(2):555–61

Testosterone metabolism by incubated rat testes after chronic LHRH treatment. Lacroix E, et al. **J Steroid Biochem** 1984 Feb;20(2):633–7

Androgen and precursor levels in serum and testes of adult rats under basal conditions and after hCG stimulation. Punjabi U, et al. **J Steroid Biochem** 1983 Oct;19(4):1481–90

Metabolism of androstenedione by Sertoli cell enriched preparations and purified Leydig cells from boar testes in relation to estrogen formation. Raeside JI, et al. **J Steroid Biochem** 1984 Jun;20(6A):1267–72

Steroidogenesis in the monkey testis: relationship of enzyme organization to endogenous steroids, steroidogenesis and gonadotropin treatment. Yoshida K, et al. **J Steroid Biochem** 1984 Jul;21(1):49–58

Metabolism of arachidonate in rat testis: characterization of 26-30 carbon polyenoic acids. Grogan WM. **Lipids** 1984 May;19(5):341–6

Correlation of B coefficient of viscosity for monovalent salts with effects on binding of human follitropin to receptor. Andersen TT, et al. **Mol Cell Endocrinol** 1984 Apr; 35(1):41–6

Follitropin binding to receptors in testis: studies on the reversibility and the..nodynamics of the reaction. Andersen TT, et al. **Mol Cell Endocrinol** 1983 Nov;33(1):37–52 (28 ref.)

Absence of gonadotropin-induced desensitization of testosterone production in the neonatal rat testis. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1983 Sep; 32(1):81–90

Methylation of satellite sequences in mouse spermatogenic and somatic DNAs. Ponzetto-Zimmerman C, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2807–22

Effect of zinc ion on human chorionic gonadotropin-stimulated in vitro production of cyclic AMP and testosterone by rat testis. Nishi Y, et al. **Pediatr Res** 1984 Mar;18(3):232–5

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis in chronic pesticide exposure. III. Effects of the insecticides (dichlorvos and trichlorphon). Nicolau GY. **Physiologie** 1983 Apr-Jun; 20(2):93–101

Haploid expression of a mouse testis alpha-tubulin gene. Distel RJ, et al. **Science** 1984 Apr 6;224(4644):68–70

Characterization and localization of proopiomelanocortin messenger RNA in the adult rat testis. Pintar JE, et al. **Science** 1984 Aug 10;225(4662):632–4

Comparative effects of LHRH agonist and ovine LH administration on testicular steroidogenesis in intact adult rat. Carmichael R, et al. **Steroids** 1982 Dec;40(6):641–9

Ethanol-induced reductions in testicular steroidogenesis: major differences between in vitro and in vitro approaches. Cicero TJ, et al. **Steroids** 1982 Nov;40(5):561–8

Decreased uptake and altered subcellular disposition of testicular cadmium as possible mechanisms of resistance to cadmium-induced testicular necrosis in inbred mice. Chellman GJ, et al. **Toxicology** 1984 Mar;30(2):157–69

[Determination of substances inhibiting and stimulating the binding of FSH to its receptors] Demoulin A, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):69–80 (Eng. Abstr.) **(Fre)**

[The problem of testosterone secretion by the chick embryo testis: new research] Weniger JP, et al. **Reprod Nutr Dev** 1984;24(2):155–64 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

[Determination of Protista in testicular tissue, the epididymis and ejaculates of male probands] Menger H. **Arch Exp Veterinarmed** 1984 Jan;38(1):129–32 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ultrastructural changes in rabbit testis and epididymis following vasectomy: a long term study. Lohiya NK, et al. **Acta Eur Fertil** 1983 Mar-Apr;14(2):141–6

Responsiveness of testis morphology to chemotherapy in childhood leukemia. Anelli G, et al. **Anat Rec** 1984 Aug; 209(4):491–500

Double-blind cross over treatment with mesterolone and placebo of subfertile oligozoospermic men value of testicular biopsy. Aafjes JH, et al. **Andrologia** 1983;15 Spec No:531–5

Histological study of the removed testes of patients after acute monolateral spermatic cord torsion. Mastrogiacomo I, et al. **Andrologia** 1983 Nov-Dec;15(6):705–8

Testicular biopsy and hormonal study in a male with Noonan's syndrome. Nistal M, et al. **Andrologia** 1983 Sep-Oct;15(5):415–25

Primary testicular abnormalities causing precocious puberty Leydig cell tumor, Leydig cell hyperplasia, and adrenal rest tumor. Wilson BE, et al. **Ann Clin Lab Sci** 1983 Jul-Aug;13(4):315–20

Testicular biopsy in azoospermia and severe oligozoospermia. Momen MN, et al. **Arch Androl** 1984;12(1):109–12

Testicular relapse in acute lymphoblastic leukaemia: studies with an experimental mouse model. Jackson H, et al. **Br J Cancer** 1984 Jan;49(1):73–8

Testicular amyloidosis in hamsters experimentally infected with Leishmania donovani. Gonzalez JL, et al. **Br J Exp Pathol** 1983 Oct;64(5):518–23

Studies of rabbit testes infected with Treponema pallidum. I Immunopathology. Wicher K, et al. **Br J Vener Dis** 1983 Dec;59(6):349–58

Dislocated type-A spermatogonia in human seminiferous tubules. Holstein AF, et al. **Cell Tissue Res** 1984; 236(1):35–40

Development of reproductive tract lesions in male F344 rats after treatment with dimethyl methylphosphonate. Chapin RE, et al. **Exp Mol Pathol** 1984 Aug;41(1):126–40

The morphological development of glycol ether-induced testicular atrophy in the rat. Creasy DM, et al. **Exp Mol Pathol** 1984 Apr;40(2):169–76

Deoxyribonucleic acid (DNA) flow cytometry: a new modality for quantitative analysis of testicular biopsies. Chan SL, et al. **Fertil Steril** 1984 Mar;41(3):485–7

Endocrine testicular functions in leprosy. Kannan V, et al. **Horm Metab Res** 1984 Mar;16(3):146–50

The influence of human chorionic gonadotrophin (hCG) on the morphology of the prepubertal human undescended testis. Läckgren G, et al. **Int J Androl** 1984 Feb;7(1):39–52

The morphology of the human undescended testis with special reference to the Sertoli cell and puberty. Läckgren G, et al. **Int J Androl** 1984 Feb;7(1):23–38

Testicular biopsy in antispermatozoal antibody positive tuberculoid leprosy patients [letter] Gupta SC, et al. **Int J Lepr** 1984 Jun;52(2):255

Testicular and epididymal involvement in Fabry's disease. Nistal M, et al. **J Pathol** 1983 Oct;141(2):113–24

Structural and ultrastructural modifications of cryptorchid

human testes. Gaudio E, et al. **J Urol** 1984 Feb;131(2):292–6
Abnormal germ cells in maldescended testes: a study of cell density, nuclear size and deoxyribonucleic acid content in testicular biopsies from 50 boys. Müller J, et al. **J Urol** 1984 Apr;131(4):730–3
Sonographic findings in malacoplakia of the testis with pathologic review. Goodman A, et al. **JCU** 1984 Jan; 12(1):45–7
Strain differences in testes degeneration, myopathy, and the lymphocyte mitogen response in vitamin E–deficient rats. Gabriel E, et al. **Proc Soc Exp Biol Med** 1984 Sep; 176(4):378–83
Testes weight reflect ethylnitrosourea induced histopathology in mice. Rodriguez M, et al. **Toxicol Lett** 1983 Jun;17(1–2):77–80
Groin pain and swelling in a unilaterally cryptorchid adult [clinical conference] Katz ME, et al. **Urol Radiol** 1983; 5(4):275–8
Testicular histology in triad syndrome. Uehling DT, et al. **Urology** 1984 Apr;23(4):364–6
Pathogenesis of Trypanosoma brucei infection in deer mice (Peromyscus maniculatus). Light and electron microscopic study of testicular lesions. Anosa VO, et al. **Vet Pathol** 1984 Mar;21(2):238–46
Frequency of testicular atrophy following incarcerated hernia. Le Coultre C, et al. **Z Kinderchir** 1983 Apr;38 Suppl:39–41
[Retroperitoneal seminoma without testicular lesion. A case report and review of the literature] Vermeulen C, et al. **Sem Hop Paris** 1984 Jan 12;60(1):12–5 (Eng. Abstr.) **(Fre)**
[Changes in the basal membrane of the seminiferous tubules in fertility disorders] Török L. **Dermatol Monatsschr** 1983; 169(8):514–20 (Eng. Abstr.) **(Ger)**
[Value of semiquantitative morphologic evaluation of testicular biopsies in fertility disorders in the male] Mikuz G, et al. **Pathologe** 1983 Sep;4(5):244–51 **(Ger)**
[Value of the testicular biopsy in the diagnosis of sterility] Hedinger C. **Schweiz Rundsch Med Prax** 1984 Mar 6; 73(10):305–8 (Eng. Abstr.) **(Ger)**
[Ultrastructural study of the diseased and contralateral testes in unilateral testicular torsion] Horica CA, et al. **Urol Int** 1983;38(6):340–5 (Eng. Abstr.) **(Ger)**
[Morphologic changes in the myelin–poor hypothalamus in involution and senescence in relation to the involution of the gonads] Ule G. **Z Gerontol** 1983 Jul–Aug;16(4):174–6 (Eng. Abstr.) **(Ger)**
[Morphologico–morphometric relief of the testis in Down's syndrome] Ricco R, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):57–63 (Eng. Abstr.) **(Ita)**
[Endodermal sinus tumor. Report of 5 cases, one of them with paratesticular localization] Bufo P, et al. **Pathologica** 1983 Sep–Oct;75(1039):703–9 (Eng. Abstr.) **(Ita)**
[Bilateral sexual cord tumors in male pseudohermaphroditism] Trifirò G, et al. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):99–102 (Eng. Abstr.) **(Ita)**
[Studies on the pathogenesis of idiopathic male infertility by testicular biopsy] Miyake K, et al. **Hinyokika Kiyo** 1983 Aug;29(8):991–1004 (Eng. Abstr.) **(Jpn)**
[Clinical studies on varicocele. (1). Findings on semen and testis] Takasaki N, et al. **Hinyokika Kiyo** 1983 Apr; 29(4):377–83 (Eng. Abstr.) **(Jpn)**
[Three cases of bulbar and spinal muscular atrophy in a family—comparative studies of clinical features and histological findings of the testis] Nagashima M, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):50–5 (Eng. Abstr.) **(Jpn)**
[Scarring embryonal carcinoma of the testis] Serezhin BS, et al. **Arkh Patol** 1984;46(6):69–72 (Eng. Abstr.) **(Rus)**
[Completely separate location of the testis and epididymis in cryptorchism] Trelvas VS, et al. **Klin Khir** 1984 Jun; (6):28 (Eng. Abstr.) **(Rus)**
[2 types of Sertoli cells in the infertile testis] Posinovec J, et al. **Lijec Vjesn** 1984 Feb–Mar;106(2–3):49–51 (Eng. Abstr.) **(Scr)**
[Germ cell tumors of the retroperitoneum in patients with clinically normal testes] Horňák M, et al. **Bratisl Lek Listy** 1984 Apr;81(4):427–31 (Eng. Abstr.) **(Slo)**
[Testicular biopsy in scrotal varicocele] Ibarz Servio L, et al. **Arch Esp Urol** 1983 May–Jun;36(3):192–9 (Eng. Abstr.) **(Spa)**
[The prepubertal testis in Klinefelter's syndrome. Histological and endocrinological study] Gottlieb SE, et al. **Medicina (B Aires)** 1983;43(5):495–501 (Eng. Abstr.) **(Spa)**
[Effect of constant illumination on the response to castration in rats] Guisado E, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):231–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Seasonal reproductive endocrine profiles in two wild mammals: the red fox (Vulpes vulpes L.) and the European badger (Meles meles L.) considered as short–day mammals. Maurel D, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):130–8
Imprinting by the neonatal testis: a mechanism for sexual dimorphism of rat liver xanthine oxidase. Levinson DJ, et al. **Adv Exp Med Biol** 1984;165 Pt A:519–23
Gonadal and photoperiodic control of seasonal body weight changes in male voles. Dark J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R84–8
Mapping episodic fluctuations in plasma LH in orchidectomized rats. Ellis GB, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E130–5
Effect of a powerful antagonist of LH–RH on testicular function in prepubertal male rats. Debeljuk L, et al. **Arch Androl** 1983 Aug;11(1):89–93
Effect of castration and subsequent substitution with testosterone, dihydrotestosterone and oestradiol on sexual preference behaviour in the male rat. Merkx J. **Behav Brain Res** 1984 Jan;11(1):59–65
Testicular GnRH–like factors: characterization of biologic activity. Bhasin S, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1071–5
Reproductive photorefractoriness in rams and accompanying changes in the patterns of melatonin and prolactin secretion. Almeida OF, et al. **Biol Reprod** 1984 Feb; 30(1):143–58
Gonadotropin secretion and testicular function in golden hamsters exposed to skeleton photoperiods with ultrashort light pulses. Ellis DH, et al. **Biol Reprod** 1983 Nov; 29(4):805–18
Orchidectomy unleashes pulsatile luteinizing hormone secretion in the rat. Ellis GB, et al. **Biol Reprod** 1984 Apr; 30(3):619–27
Periventricular and suprachiasmatic lesion effects on photoperiodic responses of the hamster hypophyseal–gonadal axis. Eskes GA, et al. **Biol Reprod** 1984 Jun;30(5):1073–81
Effect of deprival of rete testis fluid on the morphology of efferent ductules. Gray BW, et al. **Biol Reprod** 1983 Sep; 29(2):525–34
Influence of perinatal androgenization on the castration response of adult rats. Johnson LM, et al. **Biol Reprod** 1983 Nov;29(4):819–23
Hemicastration causes and testosterone prevents enhanced uptake of [3H] thymidine by Sertoli cells in testes of immature rats. Orth JM, et al. **Biol Reprod** 1984 Feb; 30(1):263–70
Intratesticular factors controlling testicular function. Sharpe RM. **Biol Reprod** 1984 Feb;30(1):29–49
Gonadal growth and gonadal hormones do not participate in the development of responsiveness to photoperiod in the golden hamster. Sisk CL, et al. **Biol Reprod** 1983 Sep; 29(2):439–45
Complete suppression of plasma follicle–stimulating hormone in castrated male and female rats during continuous administration of porcine follicular fluid. Thomas CL Jr, et al. **Biol Reprod** 1984 Mar;30(2):427–33
Adrenal–testicular–pituitary relationships in the cheetah subjected to anesthesia/electroejaculation. Wildt DE, et al. **Biol Reprod** 1984 Apr;30(3):665–72
Seasonal variations in plasma luteinizing hormone levels of gonadectomized male ground squirrels (Spermophilus lateralis). Zucker I, et al. **Biol Reprod** 1983 Sep;29(2):278–85
Arsenic–induced cellular and biochemical changes during the testicular cycle of a freshwater perch, Colisa fasciatus (Bl. & Sch.). Shukla JP, et al. **Cell Mol Biol** 1984;30(3):227–31
Modification of testicular and thyroid function by chronic exposure to short photoperiod: a comparison in four rodent species. Petterborg LJ, et al. **Comp Biochem Physiol [A]** 1984;78(1):31–4
Intercellular communication in rat seminiferous tubules. Eusebi F, et al. **Dev Biol** 1983 Nov;100(1):249–55
Stage–specific expression of three cell surface carbohydrate antigens during murine spermatogenesis detected with monoclonal antibodies. Fenderson BA, et al. **Dev Biol** 1984 May;103(1):117–28
'Antigonadal' activity of the neurohypophysial hormones in cultured rat testicular cells: abolition by pertussis toxin. Adashi EY, et al. **Endocrinology** 1984 Aug;115(2):839–41
Gonadal regulation of pituitary gonadotropin–releasing hormone receptors during sexual maturation in the rat. Duncan JA, et al. **Endocrinology** 1983 Dec;113(6):2238–46
Regulation of testicular prolactin and luteinizing hormone receptors in golden hamsters. Klemcke HG, et al. **Endocrinology** 1984 Feb;114(2):594–603
Lack of effect of dibromochloropropane on the mouse testis. Oakberg EF, et al. **Environ Mutagen** 1984;6(4):621–5
The differential expression of the actins and tubulins during spermatogenesis in the mouse. Hecht NB, et al. **Exp Cell Res** 1984 Jul;153(1):275–80
Thyroid photoperiod and gonadal regression in the common myna Acridotheres tristis. Chaturvedi CM, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):279–82
Characterization of an estrogen receptor in the turtle testis. Mak P, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):182–9
Effect of dorsal hippocampectomy on pituitary seminiferous tubular axis in albino rats. Rai UC, et al. **Indian J Exp Biol** 1983 Mar;21(3):123–6
Haemodialysis and testicular function. de Vries CP, et al. **Int J Androl** 1984 Apr;7(2):97–103
Periodic exposure to a brief light signal stimulates neuroendocrine–gonadal activity in golden hamsters. Earnest DJ, et al. **J Androl** 1984 Mar–Apr;5(2):64–9
Role of the pineal in the alteration of hamster Sertoli cell responsiveness to FSH during testicular regression. Heindel JJ, et al. **J Androl** 1984 May–Jun;5(3):211–5
The effect of exogenous follicle stimulating hormone treatment on anterior pituitary and testicular function in the prepubertal bull. Meyers SA, et al. **J Androl** 1983 Nov–Dec;4(6):371–7
Orchiectomy in young rats results in differential regulation of follicle–stimulating hormone and luteinizing hormone content. Vogel DL, et al. **J Androl** 1984 Mar–Apr;5(2):80–6
Changes in the pituitary–gonadal axis associated with puberty in Holstein bulls. Amann RP, et al. **J Anim Sci** 1983 Aug; 57(2):433–42
Effect of castration on plasma luteinizing hormone concentrations in prepubertal boars. Kittok RJ, et al. **J Anim Sci** 1984 May;58(5):1271–7
Active immunization of prepubertal colts against estrogens: hormonal and testicular responses after puberty. Thompson DL Jr, et al. **J Anim Sci** 1984 Jul;59(1):189–96
Structural organization of the meiotic prophase chromatin in the rat testis. Rao BJ, et al. **J Biol Chem** 1983 Nov 25; 258(22):13478–85
Participation of endogenous opiates in regulation of the hypothalamic–pituitary–testicular axis in normal men. Delitala G, et al. **J Clin Endocrinol Metab** 1983 Dec; 57(6):1277–81
Endocrine changes associated with onset of spermatogenesis in Holstein bulls. Amann RP. **J Dairy Sci** 1983 Dec; 66(12):2606–22 (76 ref.)
Age difference in endogenous opiate modulation of short photoperiod–induced testicular regression in golden hamsters. Chen HJ, et al. **J Endocrinol** 1984 Apr;101(1):1–6
Effects of prolactin on testicular functions using an intratesticular pituitary graft. Weber RF, et al. **J Endocrinol** 1983 Dec;99(3):435–40
Hormonal regulation of the annual pelage color cycle in the Djungarian hamster, Phodopus sungorus. I. Role of the gonads and pituitary. Duncan MJ, et al. **J Exp Zool** 1984 Apr;230(1):89–95
Influence of photoperiodism on testicular function and sebaceous glands in Syrian hamster. Luderschmidt C, et al. **J Invest Dermatol** 1984 Sep;83(3):157–60
Preservation of gonadal function in true hermaphroditism. Nihoul–Fékété C, et al. **J Pediatr Surg** 1984 Feb;19(1):50–5
Genetic differences in androgen receptors and in autoregulation of testicular human chorionic gonadotropin binding sites in the mouse. Amador AG, et al. **J Recept Res** 1983;3(4):495–512
Effect of scrotal insulation on the pituitary–testicular axis of the ram. Byers SW, et al. **J Reprod Fertil** 1984 May; 71(1):23–31
Seasonally and experimentally induced changes in testicular function of the Australian bush rat (Rattus fuscipes). Irby DC, et al. **J Reprod Fertil** 1984 Mar;70(2):657–66
Intraluminal pressures in the seminiferous tubules and in different regions of the epididymis in the rat. Pholpramool C, et al. **J Reprod Fertil** 1984 May;71(1):173–9
Inhibition of luteinizing hormone secretion during quiescent interval of testicular androgen production in immature mice. Ogasawara Y, et al. **J Steroid Biochem** 1984 Feb; 20(2):563–7
Role of the gubernaculum and intraabdominal pressure in the process of testicular descent. Frey HL, et al. **J Urol** 1984 Mar;131(3):574–9
Effects of castration on adipose tissue growth and regrowth in the male rat. Faust IM, et al. **Metabolism** 1984 Jul; 33(7):596–601
Effect of treatment with GnRH antagonist, GnRH antiserum and bromocriptine on pituitary–testicular function of adult rats. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1984 Feb; 34(2):127–35
Hypothalamo–hypophyseal–gonadal function in boys with irregular puberty. Skorodok LM, et al. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):141–5
Karyometric changes in the subcommissural organ of male mice after gonadectomy. Castañeyra–Perdomo A, et al. **Neurosci Lett** 1983 Aug 19;39(1):27–31
Hyperacetylation of histone H4 promotes chromatin decondensation prior to histone replacement by protamines during spermatogenesis in rainbow trout. Christensen ME, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4575–92
Effects of Lonidamine on pituitary–gonadal axis in man. Santiemma V, et al. **Oncology** 1984;41 Suppl 1:53–5
Early cannabinoid exposure influences neuroendocrine and reproductive functions in mice: II. Postnatal effects. Dalterio S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):115–23
The involvement of gonads and gonadal steroids in the regulation of food intake, body weight and adiposity in the white Leghorn cock. Snapir N, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):617–24
Gonadal sources of the posterior pituitary hormones. Wathes DC, et al. **Prog Brain Res** 1983;60:513–9
An overview of male reproductive physiology. Urry RL. **Prog Clin Biol Res** 1984;160:261–74 (18 ref.)
[Regulatory mechanisms of sex gland function and the effects of pharmacological agents] Ilarionov I. **Eksp Med Morfol** 1983;22(2):53–9 (24 ref.) **(Bul)**
[Annual cycle of gonadotropic function and prolactinemia; the regulation of seasonal testicular activity] Boissin J, et al. **Ann Endocrinol (Paris)** 1983;44(5):319–21 (30 ref.) **(Fre)**
[Activity of the hypophyso–gonadal axis in premature boys] Pizzo P, et al. **Arch Fr Pediatr** 1983 Aug–Sep;40(7):553–5 (Eng. Abstr.) **(Fre)**
[Variations in the plasma concentration of prolactin, LH and FSH and in testicular activity during the first year of life in the roe deer (Capreolus capreolus L.)] Sempéré AJ, et

al. **Gen Comp Endocrinol** 1983 Nov;52(2):247–54 (Eng. Abstr.) **(Fre)**

[Electron microscopic–morphometric and biochemical studies of the kidney of male rats following castration and treatment with an anabolic steroid] Kmieć Z, et al. **Z Mikrosk Anat Forsch** 1984;98(2):267–76 (Eng. Abstr.) **(Ger)**

[Study of peristaltic movements of rat seminiferous tubules by a micropuncture method] Yamamoto M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):907–29 (Eng. Abstr.) **(Jpn)**

[Electrophysiological and catecholamine mechanisms of negative feedback in regulation of the hypothalamus by male sex glands] Le Thu Lien, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):722–5 (Eng. Abstr.) **(Rus)**

[Effect of destruction and stimulation of the ventromedial area of the hippocampus on the sex system of male albino rats with intact and removed hypophysis] Kreshchuk LN. **Fiziol Zh** 1983 Jul–Aug;29(4):423–7 (Eng. Abstr.) **(Rus)**

[Genetic endocrine and ethological mechanisms of differential reproduction. I. A comparative genetic analysis of the basal testosterone level in the blood plasma and the relative weight of the testicles and accessory sex glands in male laboratory mice] Osadchuk AV, et al. **Genetika (Moskva)** 1983 Aug;19(8):1265–72 (Eng. Abstr.) **(Rus)**

[Function of the hypophyseal–gonadal system in aging in the male] Moroz EV, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):20–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypothalamo–hypophyseal–testicular function in prepubertal boys with acute lymphoblastic leukemia following chemotherapy and testicular radiotherapy. Carrascosa A, et al. **Acta Paediatr Scand** 1984 May;73(3):364–71

Penetration of some compounds through blood–brain and blood–testis barriers in chronically hypertensive rats. Pörsti I, et al. **Acta Physiol Scand** 1984 Mar;120(3):387–91

Disturbances in the hypothalamic–pituitary–gonadal axis in male patients with acute renal failure. Levitan D, et al. **Am J Nephrol** 1984 Mar–Apr;4(2):99–106

Semen quality and hormonal status of patients following testicular torsion. Goldwasser B, et al. **Andrologia** 1984 May–Jun;16(3):239–43

Endocrine profiles in pediatric andrology. II. Insulin-dependent diabetic adolescents. Ibrahim II, et al. **Arch Androl** 1983 Aug;11(1):45–51

Effects of the induction of experimental cryptorchidism and subsequent orchidopexy on testicular function in immature rats. Jegou B, et al. **Biol Reprod** 1984 Feb;30(1):179–87

Gonadal function in men treated for acute leukaemia. Waxman J, et al. **Br Med J [Clin Res]** 1983 Oct 15; 287(6399):1093–4

Testicular function following bone marrow transplantation performed during or after puberty. Sklar CA, et al. **Cancer** 1984 Apr 1;53(7):1498–501

Male gonadal function in coeliac disease: III. Pituitary regulation. Farthing MJ, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):661–71

Prevalence, testicular function and seminal parameters in men with sperm antibodies. Handelsman DJ, et al. **Clin Reprod Fertil** 1983 Mar;2(1):39–45

Vitamin A and follicle-stimulating hormone synergistically induce differentiation of type A spermatogonia in adult mouse cryptorchid testes in vitro. Haneji T, et al. **Endocrinology** 1984 Mar;114(3):801–5

Pituitary–gonadal function in the aging male: the male climacteric. Valenta LJ, et al. **Geriatrics** 1983 Dec; 38(12):67–72

Osteoporosis and decline of gonadal function in the elderly male. Foresta C, et al. **Horm Res** 1984;19(1):18–22

Histological & ultrastructural studies on the effect of vitamin A depletion & subsequent repletion with vitamin A on germ cells & Sertoli cells in rat testis. Unni E, et al. **Indian J Exp Biol** 1983 Apr;21(4):180–92

Testicular hormone concentration in men with varicoceles: immediate effects of varicocelectomy. Schinfeld JS, et al. **Int J Fertil** 1983;28(3):177–80

Effect of intratesticular administration of BCG on testicular function (preliminary report). Frick J, et al. **Int Urol Nephrol** 1983;15(1):71–81

Pituitary–testicular interrelationships during germinal involution in the vitamin A deficient rat. Huang HF, et al. **J Endocrinol** 1984 Jan;100(1):33–41

Adrenal and testicular function in boys affected by thalassemia. Pintor C, et al. **J Endocrinol Invest** 1984 Apr; 7(2):147–9

The dissociation of the exaggerated prolactin and thyrotropin responses in seminiferous tubule failure following the administration of a double-pulse of thyrotropin-releasing hormone. Spitz IM, et al. **J Endocrinol Invest** 1983 Aug; 6(4):273–6

Hypothalamic–hypophyseal–gonadal axis in the streptozotocin-induced diabetic male rat. Calvo JC, et al. **J Steroid Biochem** 1984 Mar;20(3):769–72

Pituitary and gonadal function in prepubertal boys with hypospadias. Nonomura K, et al. **J Urol** 1984 Sep; 132(3):595–8

The retractile testis. Wyllie GG. **Med J Aust** 1984 Mar 31; 140(7):403–5

Correlation of gonadal function with histology of testicular biopsies at treatment discontinuation in childhood acute leukemia. Uderzo C, et al. **Med Pediatr Oncol** 1984; 12(2):97–100

Androgen function of the testes and gonadotropic activity of the pituitary in various forms of cryptorchidism in young boys and adolescents. Skorodok LM, et al. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):489–93

A functional study of the hypophysis–testis axis in chronic non-cirrhotic alcoholics. Re M, et al. **Panminerva Med** 1984 Jan–Mar;26(1):23–6

Role of zinc in testicular function of chronic renal failure [letter] Nishi Y, et al. **Pediatrics** 1984 May;73(5):740–1

Endocrine profile and seminal plasma composition in Hansen's disease. Sultan Sheriff D. **Trans R Soc Trop Med Hyg** 1984;78(3):311–3

Scrotal hypothermia: new therapy for poor semen. Zorgniotti AW, et al. **Urology** 1984 May;23(5):439–41

[Endocrine and exocrine function of the testis following spermatic cord torsion] Mellin HE, et al. **MMW** 1984 Jan 20;126(3):59–61 (Eng. Abstr.) **(Ger)**

[Effects of combined chemotherapy and radiotherapy on the hypothalamo–pituitary–gonadal axis and adrenocortical function in male patients with urogenital cancer] Mitsuhata N. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun; 74(6):1023–43 (Eng. Abstr.) **(Jpn)**

[Testicular endocrine function in hamadryas baboons (Papio hamadryas) during chronic emotional stress] Katsiia GV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):285–7 (Eng. Abstr.) **(Rus)**

[Endocrine function of the testes and glucocorticoid activity of the adrenal cortex in experimental sclerosis of the prostate] Imshinetskaia LP, et al. **Fiziol Zh** 1983 Jul–Aug; 29(4):473–6 **(Rus)**

[Effect of prolonged stress on the hypophyseal–adrenal–gonadal system in rabbits of different ages] Vartapetov BA, et al. **Fiziol Zh** 1984 Mar–Apr; 30(2):243–5 **(Rus)**

[Role of the thyroid hormone in the functioning of the hypophyseal–adrenal–gonad system of rabbits] Aleshin BV, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):49–52 (Eng. Abstr.) **(Rus)**

[Evaluation of the function of the hypothalamo–hypophyseal complex and gonads of patients with prostatic adenoma and cancer using the dexamethasone test] Portnoĭ AS, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):36–40 (Eng. Abstr.) **(Rus)**

[Mathematical analysis of relations in the hypophysis–gonads system in men with hypogonadism] Demchenko AN, et al. **Vrach Delo** 1983 Aug;(8):77–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of 60Co gamma-ray local irradiation on the level of testis tissue cyclic nucleotides and plasma testosterone in the rat. Shi XB, et al. **Acta Acad Med Wuhan** 1983; 3(4):248–52

Response of epididymal duct to the temporary depletion of spermatozoa induced by testicular irradiation in mice. Abe K, et al. **Anat Rec** 1983 Sep;207(1):17–24

Germ cell degeneration in normal and microwave-irradiated rats: potential sperm production rates at different developmental steps in spermatogenesis. Johnson L, et al. **Anat Rec** 1984 Aug;209(4):501–7

The effect of testicular irradiation on Leydig cell function in prepubertal boys with acute lymphoblastic leukaemia. Leiper AD, et al. **Arch Dis Child** 1983 Nov;58(11):906–10

Radiation exposure to patients during radiological examinations of the gastro-intestinal tract: intrahospital dose variations. Tole NM. **Br J Radiol** 1984 Apr; 57(676):297–301

Effect of x-rays on spermatogenesis in inbred strains of mice. Gasińska A, et al. **Folia Histochem Cytochem (Krakow)** 1983;21(3–4):219–29

Testicular steroid metabolism in juvenile bank voles (Clethrionomys glareolus Schreber) exposed to different photoperiods: an in vitro study. Tänkä KM, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):394–400

Genetically significant dose to the population of Turkey from the roentgen examination. Yülek GG. **Health Phys** 1984 Jan;46(1):189–92

Effects of chronic gamma-irradiation on the gonads of adult Ameca splendens (Osteichthyes: Teleostei). Rackham BD, et al. **Int J Radiat Biol** 1984 Jun;45(6):645–56

RBE of CF-252 neutrons by mouse testes weight loss. Hwang HN, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun; 10(6):901–5

Relative biological effectiveness of modulated proton beams in various murine tissues. Urano M, et al. **Int J Radiat Oncol Biol Phys** 1984 Apr;10(4):509–14

The effect of testicular x-irradiation on spermatogenesis in man. A comparison with the mouse. Clifton DK, et al. **J Androl** 1983 Nov–Dec;4(6):387–92

Primary gonadal damage following treatment of brain tumors in childhood. Ahmed SR, et al. **J Pediatr** 1983 Oct; 103(4):562–5

Evidence for the re-establishment of a heterogeneity in radiosensitivity among spermatogonial stem cells repopulating the mouse testis following depletion by X-rays. Cattanach BM, et al. **Mutat Res** 1984 Jun; 127(1):81–91

Dosimetric studies in the radiological examination of the hips in young infants with a special fenestration method of gonad protection. Krepler P, et al. **Pediatr Radiol** 1977; 5(4):231–5

Response of the seminiferous epithelium of the mouse exposed to low dose high energy (HZE) and electromagnetic radiation. Philpott DE, et al. **Scan Electron Microsc** 1983;(Pt 3):1345–51

[Radiation load to the gonads in the sclerosing treatment of varicocele] Boeck EG, et al. **ROFO** 1984 Aug; 141(2):220–3 (Eng. Abstr.) **(Ger)**

[Gonadal and bone marrow doses in routine radiographic examinations of the skeleton in adults] Torresin A, et al. **Radiol Med (Torino)** 1983 Jun;69(6):442–7 (Eng. Abstr.) **(Ita)**

[Patterns of postradiation recovery of the spermatogenic epithelium in rodents and man] Tiazhelova VG, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):107–110 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Direct contrast examination of the testis (orchigraphy) and its various diagnostic possibilities] Rzaev AIu. **Vestn Rentgenol Radiol** 1984 Mar–Apr;(2):36–42 (Eng. Abstr.) **(Rus)**

SECRETION

Developmental change in the ability of estradiol to suppress testosterone secretion by the testis of the rat. Bendeck MP, et al. **Biol Reprod** 1984 May;30(4):816–23

Altered biochemical responses by rat Sertoli cells and peritubular cells cultured under simulated diabetic conditions. Hutson JC. **Diabetologia** 1984 Feb;26(2):155–8

Testicular androgen and estrogen secretion and benign prostatic hyperplasia in the beagle. Ewing LL, et al. **Endocrinology** 1984 Apr;114(4):1308–14

Quantitative metabolic profiling of testicular steroid secretions with bonded-phase capillary gas chromatography. Chubb C, et al. **J Chromatogr** 1984 Jun 8;308:11–8

Effect of surgical repair of cryptorchidism on endocrine testicular function. Anoussakis C, et al. **J Pediatr** 1983 Dec; 103(6):919–21

Testicular secretion of conjugated and unconjugated steroids in normal adults and in patients with varicocele. Baseline levels and time-course response to hCG administration. Scholler R, et al. **J Steroid Biochem** 1984 Jan;20(1):203–15

SURGERY

Extended allograft survival of islets grafted into intra-abdominally placed testis. Selawry HP, et al. **Diabetes** 1984 Apr;33(4):405–6

Re: Testicular transposition with right-to-left epididymo–deferential anastomosis: a case report [letter] Amelar RD, et al. **J Urol** 1984 Sep;132(3):568

Tunica vaginalis patch graft urethroplasty. Roemer KR, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):145–8

Complications of orchiopexy. Woodard JR, et al. **Urol Clin North Am** 1983 Aug;10(3):537–41

Cryptorchidism in adults. Danner C, et al. **Urol Int** 1983; 38(6):351–3

Effect of experimental microvascular orchidopexy on spermatogenic cell differentiation in the testes of the dog. Garibyan H, et al. **Urol Int** 1984;39(1):21–4

Subcapsular orchiectomy with intracapsular testicular prosthesis for metastatic prostate carcinoma. Short KL, et al. **Urology** 1984 Jul;24(1):38–40

[A technic for plastic surgery of the urethra using the tunica vaginalis testis] Mráz J, et al. **Rozhl Chir** 1983 Jul; 62(7):529–32 (Eng. Abstr.) **(Cze)**

[Microsurgical autotransplantation of cryptorchism] Grantzow R, et al. **Z Kinderchir** 1983 Aug;38(4):262–3 (Eng. Abstr.) **(Ger)**

[Orchiopexy by the Stephens–Fowler method (thermographic evaluation of the results)] Canavese F, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):201–3 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

Development of 'granulosa' cell tumors from intrasplenic testicular transplants in castrated ACI rats. Kojima A, et al. **Gann** 1984 Feb;75(2):159–65

Effect of experimental microvascular orchidopexy on testosterone secretion in the dog. Garibyan H, et al. **Urol Int** 1983;38(6):337–9

[Autotransplantation of human testis—report of 6 cases] Chao ZF. **Chung Hua I Hsueh Tsa Chih** 1983 Dec;63(12):757–9 **(Chi)**

[Critical considerations on the theme of microsurgical autotransplantation of the testis. Apropos of personal experience of 5 cases in children] Carmignani G, et al. **Acta Urol Belg** 1983;51(4):418–26 (Eng. Abstr.) **(Fre)**

[Experimental testicular transplantation: morphological and functional aspects] Srougi M, et al. **AMB** 1983 Mar–Apr; 29(3–4):51–4 (Eng. Abstr.) **(Por)**

[Tumor of a testis repositioned into the abdominal cavity] Bukharkin BV, et al. **Urol Nefrol (Mosk)** 1984 May–Jun; (3):66 **(Rus)**

[Testicular autograft] Sánchez de Badajoz Chamorro E, et al. **Actas Urol Esp** 1984 May–Jun;8(3):229–34 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructural investigations of undescended testicles. Vydra G, et al. **Acta Chir Hung** 1984;25(2):75–86

Effects of pinealectomy on reproduction in the Syrian hamster mutant anophthalmic white (Wh). Hagen SC, et al. **Am J Anat** 1983 Aug;167(4):523–38

Ultrastructure of immature Leydig cells in the human prepubertal testis. Prince FP. **Anat Rec** 1984 Jun; 209(2):165–76

Seasonal changes in fine structure of the ductuli efferentes of the ground squirrel, Citellus lateralis (Say). Pudney J, et al. **Anat Rec** 1984 Mar;208(3):383–99

Development of agranular reticulum in Sertoli cells of the testis of the dogfish Squalus acanthias during spermatogenesis. Pudney J, et al. **Anat Rec** 1984 Jul; 209(3):311–21

Particular ultrastructural aspects of cryptorchid testis in adult and advanced age. Amati S, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):805–10

A pharmacological and ultrastructural study of the rabbit gubernaculum testis. Somerville CP, et al. **Comp Biochem Physiol [C]** 1983;76(1):75–80

Anatomic distribution of lectin–binding sites in mouse testis and epididymis. Lee MC, et al. **Differentiation** 1984; 27(1):74–81

Testicular stromal tumor with myofilaments: ultrastructural comparison with normal gonadal stroma. Greco MA, et al. **Hum Pathol** 1984 Mar;15(3):238–43

Identification of dictyosomelike structures (DLS) isolated from spermatocyte–enriched fractions of guinea pig testes. Morré DJ, et al. **Int J Fertil** 1983;28(4):206–12

Ultrastructural aspects of spermatogenesis in the common marmoset (Callithrix jacchus). Holt WV, et al. **J Anat** 1984 Jan;138 (Pt 1):175–88

Ultrastructural lesions in testes from hyperprolactinemic men. Cameron DF, et al. **J Androl** 1984 Jul–Aug;5(4):283–93

Ultrastructure and intercellular vacuolization of isolated perfused and control rat testes. Hoffer AP, et al. **J Androl** 1983 Nov–Dec;4(6):361–70

Stereomorphic structure of the intercellular bridges between rat seminiferous epithelial cells. Hamasaki M, et al. **J Electron Microsc (Tokyo)** 1983;32(2):141–51

Light and electron microscopical observations on the male excurrent duct system of the common shrew (Sorex araneus). Suzuki F, et al. **J Reprod Fertil** 1984 Mar; 70(2):419–28

Danazol suppression of gonadal estradiol–17 beta secretion—report of two sibling cases with a complete form of testicular feminization on gonadal ultrastructure and endocrine status. Yoshida K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):133–41

Junctional relationships between germinal cells and sustentacular cells in the testes of a palaemonid shrimp. Dougherty WJ, et al. **Tissue Cell** 1984;16(1):115–24

Meiotic chromatin diminution in a vertebrate, the holocephalan fish Hydrolagus collie (Chondrichthyes, Holocephali). Stanley HP, et al. **Tissue Cell** 1984; 16(2):203–15

Large–cell calcifying Sertoli cell tumor of the testis: a case report with ultrastructural study. Horn T, et al. **Ultrastruct Pathol** 1983 Jun;4(4):359–64

Atypical germ cells of the testis. Comparative ultrastructural and immunohistochemical investigations. Sigg C, et al. **Virchows Arch [A]** 1984;402(4):439–50

The frequency and morphology of 'giant spermatogonia' in the human testis. Sigg C, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):115–34

[A study on cryptorchidism. II. Light and electron microscopic study of the seminiferous tubular wall in the testes of cryptorchid patients] Gotoh M, et al. **Hinyokika Kiyo** 1984 Mar;30(3):349–62 (Eng. Abstr.) **(Jpn)**

[Mutagenicity of methyl 2—benzimidazole carbamate (carbendazim) in the in vivo and in vitro tests] Cybulski J, et al. **Rocz Panstw Zakl Hig** 1983;34(4):403–11 (Eng. Abstr.) **(Pol)**

[Participation of the albuginea in varicocelic orchiopathy] Páramo PS Jr, et al. **Actas Urol Esp** 1984 Mar–Apr; 8(2):121–8 (Eng. Abstr.) **(Spa)**

TESTOLACTONE

ANALOGS & DERIVATIVES

Quantitation of testolactone and 4,5–dihydrotestolactone in plasma and urine using high–performance liquid chromatography. Pascucci VL, et al. **J Chromatogr** 1983 Oct 14;277:79–85

Additive effects of aminoglutethimide, testololactone, and 4–hydroxyandrostenedione as inhibitors of aromatase. Santner SJ, et al. **J Steroid Biochem** 1984 Jun; 20(6A):1239–42

ANALYSIS

Quantitation of testolactone and 4,5–dihydrotestolactone in plasma and urine using high–performance liquid chromatography. Pascucci VL, et al. **J Chromatogr** 1983 Oct 14;277:79–85

PHARMACODYNAMICS

The effect of delta 1–testolactone on serum testosterone and estradiol in the adult male rat. Nagler HM, et al. **Fertil Steril** 1983 Dec;40(6):818–22

Prolactin secretion in the human male is increased by endogenous oestrogens and decreased by exogenous/endogenous androgens. Gooren LJ, et al. **Int J Androl** 1984 Feb;7(1):53–60

TESTOSTERONE

Evaluation of steroids as contraceptives in men. Foegh M. **Acta Endocrinol [Suppl] (Copenh)** 1983;260:3–48

ADMINISTRATION & DOSAGE

The use of hormone implants for climacteric symptoms. Cardozo L, et al. **Am J Obstet Gynecol** 1984 Feb 1; 148(3):336–7

Estrogen induction of progestin receptors in pituitary, hypothalamic and uterine cytosol of androgenized female rats. Kirchhoff J, et al. **Brain Res** 1983 Sep 19;275(1):173–7

Which testosterone replacement therapy? Cantrill JA, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):97–107

Topical testosterone propionate in the therapy of vulvar dystrophies. Ambrosini A, et al. **Eur J Gynaecol Oncol** 1984;5(1):58–63

The effect of testosterone on human chorionic gonadotropin–stimulated ovarian steroidogenesis in vivo in the baboon (Papio cynocephalus). Castracane VD, et al. **Fertil Steril** 1983 Nov;40(5):683–7

Improved delivery through biological membranes XIV: Brain–specific, sustained delivery of testosterone using a redox chemical delivery system. Bodor N, et al. **J Pharm Sci** 1984 Mar;73(3):385–9

Biological effects of hormonal treatment regimens on a transplantable human prostatic tumor line (PC–82). van Steenbrugge GJ, et al. **J Urol** 1984 Apr;131(4):812–7

The absorption of anabolic agents from pellets implanted at the base of the ear in sheep. Harrison LP, et al. **J Vet Pharmacol Ther** 1983 Dec;6(4):293–303

Subcutaneous hormone implants for the control of climacteric symptoms. A prospective study. Brincat M, et al. **Lancet** 1984 Jan 7;1(8367):16–8

Effects of ovariectomy, estrogen treatment and CI–628 on food intake and body weight in female rats treated neonatally with gonadal hormones. Donohoe TP, et al. **Physiol Behav** 1983 Sep;31(3):325–9

[Treatment of lichen sclerosus et atrophicus with testosterone propionate ointment] Heise H, et al. **Dermatol Monatsschr** 1984;170(2):135–8 (Eng. Abstr.) **(Ger)**

[Studies on hormone–polymer composites in urological field—their application in prostatic cancer therapy] Yamanaka H. **Hinyokika Kiyo** 1983 Dec;29(12):1579–86 (11 ref.) (Eng. Abstr.) **(Jpn)**

[Pharmacological studies of the slow–release or controlled–release polymer composites of steroid hormones] Yamanaka H. **Horumon To Rinsho** 1983 Sep; 31(9):899–910 **(Jpn)**

[Experimental study of the rebound phenomenon after testosterone administration—changes in enzyme activities in testicular steroid biosynthesis] Shimizu Y. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1168–80 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Testosterone–induced hyperprolactinaemia in a patient with a disturbance of hypothalamo–pituitary regulation. Nicoletti I, et al. **Acta Endocrinol (Copenh)** 1984 Feb; 105(2):167–72

Ultrastructural changes in the comb and aorta of chicks fed excess testosterone. Toda T, et al. **Atherosclerosis** 1984 Apr; 51(1):47–57

Androgenisation of female partners of men on medroxyprogesterone acetate/percutaneous testosterone contraception [letter] Delanoe D, et al. **Lancet** 1984 Feb 4;1(8371):276

Galactorrhoea following hypophysectomy in a boy with a prolactinoma. Dandona P, et al. **Postgrad Med J** 1984 Aug; 60(706):540–1

ANALOGS & DERIVATIVES

Contraception with danazol plus testosterone enanthate in the rabbit. I. Effects on vas deferens. Lohiya NK, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):269–72

Fertility of male rabbits during oligozoospermia induced by injections of medroxyprogesterone acetate and testosterone enanthate. Aribarg A. **Andrologia** 1983;15 Spec No:578–83

Distribution of testosterone in plasma proteins during replacement therapy with testosterone enanthate in patients suffering from hypogonadism. Demisch K, et al. **Andrologia** 1983;15 Spec No:536–41

Effect of administration of a single dose of testosterone oenanthate on human serum and seminal plasma inhibin concentration. Hurkadli KS, et al. **Andrologia** 1983 Jul–Aug;15(4):350–4

Reversible inhibition of spermatogenesis by danazol with combination of testosterone enanthate in rabbit. Lohiya NK, et al. **Andrologia** 1984 Jan–Feb;16(1):72–5

Studies related to the metabolism of anabolic steroids in the horse: the metabolism of 1–dehydrotestosterone and the use of fast atom bombardment mass spectrometry in the identification of steroid conjugates. Dumasia MC, et al. **Biomed Mass Spectrom** 1983 Jul;10(7):434–40

Testosterone therapy for low sexual interest and erectile dysfunction in men: a controlled study. O'Carroll R, et al. **Br J Psychiatry** 1984 Aug;145:146–51

The role of germinal vesicle in maturation of Pleurodeles waltlii oocytes induced by steroids. Skoblina MN, et al. **Cell Differ** 1984 Jun;14(2):153–7

Plasma steroids and sex hormone binding globulin estimation. O'Carroll RE. **Clin Chim Acta** 1983 Oct 31;134(1–2):229–31

Hormonal effects of GnRH agonist in the human male: II. Testosterone enhances gonadotrophin suppression induced by GnRH agonist. Bhasin S, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):119–28

Effects of cyproterone acetate with combination of testosterone enanthate on seminal characteristics, androgenicity and clinical chemistry in langur monkey. Lohiya NK, et al. **Contraception** 1983 Dec;28(6):575–86

Structural and functional changes in epididymis following danazol plus testosterone enanthate administration in rabbit. Lohiya NK, et al. **Contraception** 1983 Sep;28(3):281–94

Testosterone can initiate spermatogenesis in an immature nonhuman primate, Macaca fascicularis. Marshall GR, et al. **Endocrinology** 1984 Jun;114(6):2228–33

Plasma 11–oxotestosterone and gonadotrophin in relation to the arrest of spermiation in rainbow trout (Salmo gairdneri). Fostier A, et al. **Gen Comp Endocrinol** 1984 Jun; 54(3):378–81

Rat hepatic prolactin receptor: pubertal exposure to sex steroids alters responsivity to testosterone. Cheng CH, et al. **Int J Pept Protein Res** 1984 May;23(5):521–7

Combined treatment with an LHRH agonist and testosterone in man. Reversible oligozoospermia without impotence. Doelle GC, et al. **J Androl** 1983 Sep–Oct;4(5):298–302

GC and capillary column GC/MS determination of synthetic anabolic steroids. II. 4–chloro–methandienone (oral turinabol) and its metabolites. Dürbeck HW, et al. **J Chromatogr Sci** 1983 Sep;21(9):405–10

Metabolism of steroid acetates by Streptomyces albus. Mukherjee A, et al. **J Steroid Biochem** 1984 Mar; 20(3):781–4

Elevated daytime urinary excretion of testosterone glucuronide in men with the type A behavior pattern. Zumoff B, et al. **Psychosom Med** 1984 May–Jun;46(3):223–5

7 alpha–Alkyltestosterone derivatives: synthesis and activity as androgens and as aromatase inhibitors. Solo AJ, et al. **Steroids** 1982 Dec;40(6):603–14

The effect of cadmium on steroidogenesis by testes of the rainbow trout, Salmo gairdneri. Kime DE. **Toxicol Lett** 1984 Jul;22(1):83–8

[Personal experience in the treatment of disorders of spermatogenesis using testosterone undecanoate] Grčić R, et al. **Med Pregl** 1984;37(1–2):15–9 (Eng. Abstr.) **(Ser)**

ANALYSIS

Salivary and plasma bound and 'free' testosterone in men and women. Khan–Dawood FS, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):441–5

Testosterone and dihydrotestosterone seminal plasma levels in varicocele patients. Andó S, et al. **Andrologia** 1983 Jul–Aug;15(4):374–9

Basal and LHRH–stimulated gonadotropin levels and the circadian rhythm of testosterone and the effect of exogenous testosterone thereon. Gooren LJ, et al. **Andrologia** 1984 May–Jun;16(3):249–55

Testosterone in peripheral plasma, spermatic vein and in testicular tissue under basal conditions and after HCG–stimulation in patients with varicocele. Pirke KM, et al. **Andrologia** 1983 Nov–Dec;15(6):637–41

Sex hormone–binding globulin and saliva testosterone levels in men with androgenetic alopecia. Cipriani R, et al. **Br J Dermatol** 1983 Sep;109(3):249–52

Ultrastructural evidence for endogenous testosterone immunoreactivity in the pituitary gland of the rat. Morel G, et al. **Cell Tissue Res** 1984;235(1):159–69

Competitive solid–phase immunoassay of testosterone using time–resolved fluorescence. Bertoft E, et al. **FEBS Lett** 1984 Jul 23;173(1):213–6

Sex identification of bloodstains by radioimmunoassay of sex hormones. Yamamoto Y, et al. **Forensic Sci Int** 1984 Jan; 24(1):69–79

Immunocytochemical localization of testosterone in human hepatocellular carcinoma. Wong LY, et al. **Histochem J** 1984 Jun;16(6):687–92

Testicular hormone concentration in men with varicoceles: immediate effects of varicocelectomy. Schinfeld JS, et al. **Int J Fertil** 1983;28(3):177–80

Fetal sex dependent hormone levels in early pregnant women with elevated maternal serum alpha–fetoprotein. Bremme K, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):451–7

A simple method for testosterone measurement by high–performance liquid chromatography–UV spectrophotometer. Yamada K, et al. **J Pharmacol Methods** 1983 Nov;10(3):167–73

Characterisation of monoclonal antibodies raised against testosterone. Fantl VE, et al. **J Steroid Biochem** 1983 Nov; 19(5):1605–10

[Effect of gossypol acetic acid on testosterone, LH and FSH levels of male rats] Ma XN, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):887–91 (Eng. Abstr.) **(Chi)**

[Attempt at determining fetal sex by the simultaneous study of the HY antigen and testosterone in the amniotic fluid]

Guichard A, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(7):733–40 (Eng. Abstr.) (Fre)
[Effect of drugs on physical exertion and the hormonal system of athletes. 2.] Forgo I. **MMW** 1983 Sep 23; 125(38):822–4 (Ger)
[Determination of testosterone in meat by thin-layer chromatography] Karkocha I. **Rocz Panstw Zaki Hig** 1983; 34(4):389–92 (Eng. Abstr.) (Pol)

ANTAGONISTS & INHIBITORS

[4,6-estradien-3,17-dione—inhibitor of testosterone biosynthesis] Zaporowska E, et al. **Endokrynol Pol** 1983; 34(3):153–68 (Eng. Abstr.) (Pol)

BIOSYNTHESIS

Effect of ketoconazole and other imidazole fungicides on testosterone biosynthesis. Schürmeyer T, et al.
Acta Endocrinol (Copenh) 1984 Feb;105(2):275–80
Steroid biosynthesis in the Sertoli–Leydig cell tumor tissue of the human ovary; enzymhistochemical and immunohistochemical studies. Goslar HG, et al.
Acta Histochem [Suppl] (Jena) 1984;29:175–7
Ethanol-induced inhibition of testicular steroidogenesis in vitro: prevention by pyrazole. Van Thiel DH.
Acta Med Port 1983 Sep–Oct;4(9–10):393–7
The hormonal regulation of purine biosynthesis: basal levels of different hormones in primary gout. Aleo F, et al.
Adv Exp Med Biol 1984;165 Pt A:437–40
A carrier-free cell superfusion system for the study of androgen formation from precursor steroids by isolated rat testis Leydig cells under steady-state conditions. Kühn-Velten N, et al. **Anal Biochem** 1984 Feb;137(1):164–9
Synthesis of testosterone and 5 alpha-reduced androgens during initiation of spermatogenesis in the rat. Kula K, et al. **Andrologia** 1983 Nov–Dec;15(6):627–34
Limitations imposed by testicular blood flow on the function of Leydig cells in rats in vivo. Setchell BP, et al.
Aust J Biol Sci 1983;36(3):285–93
Phorbol esters inhibit LH stimulated steroidogenesis by mouse Leydig cells in vitro. Mukhopadhyay AK, et al.
Biochem Biophys Res Commun 1984 Mar 30;119(3):1062–7
Inhibition of steroid production in Leydig cells by non-steroidal anti-inflammatory and related compounds: evidence for the involvement of lipoxygenase products in steroidogenesis. Dix CJ, et al. **Biochem J** 1984 Apr 15; 219(2):529–37
The role of calcium in luteinizing hormone-releasing hormone agonist (ICI 118630)-stimulated steroidogenesis in rat Leydig cells. Sullivan MH, et al. **Biochem J** 1984 Mar 1;218(2):621–4
Phenotypic variation in testosterone and luteinizing hormone production among boars: differential response to gonadotropin releasing hormone and adrenocorticotropic hormone. Juniewicz PE, et al. **Biol Reprod** 1983 Sep; 29(2):464–71
Inhibition of HCG induced testosterone increase by melatonin-free pineal extract in the rat. Damian E, et al.
Endocrinologie 1983 Oct–Dec;21(4):257–9
Differences in the regulation of steroidogenesis and tropic hormone receptors between the scrotal and abdominal testes of unilaterally cryptorchid adult rats. Huhtaniemi I, et al. **Endocrinology** 1984 Aug;115(2):550–5
Gonadotropin-releasing hormone agonist analog-induced steroidogenic lesion in the neonatal rat testis: evidence for direct gonadal action. Huhtaniemi IT, et al.
Endocrinology 1984 Jul;115(1):233–8
In vitro progesterone and testosterone production by the rat placenta during pregnancy. Matt DW, et al.
Endocrinology 1984 Aug;115(2):741–7
Stimulation of prostaglandin E and testosterone production in rat interstitial cells by a gonadotropin-releasing hormone agonist. Molcho J, et al. **Endocrinology** 1984 Jun; 114(6):2382–7
Regulation of testosterone production in fetal testicular cells: effect of androgens. Pointis G, et al. **Experientia** 1984 Jul 15;40(7):756–7
Inhibition of testosterone biosynthesis by ethanol: relation to the pregnenolone-to-testosterone pathway. Eriksson CJ, et al. **FEBS Lett** 1984 Jul 9;172(2):177–82
In vitro estradiol-17 beta and testosterone production by ovarian follicles of the goldfish, Carassius auratus. Kagawa H, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):139–43
Foetal testicular steroidogenesis and responsiveness to LH in freemartins and their male co-twins. Shore LS, et al.
Int J Androl 1984 Feb;7(1):87–93
Seasonal changes in steroidogenesis in the testis of the rhesus monkey (Macaca mulatta). Higashi Y, et al. **J Androl** 1984 Mar–Apr;5(2):70–9
Effect of gossypol on testicular testosterone production in vitro. Kalla NR, et al. **J Androl** 1983 Sep–Oct;4(5):331–5
Mechanism of action of gonadotropin–releasing hormone–stimulated Leydig cell steroidogenesis. I. The stimulatory effect is calcium dependent and not mediated by cyclic nucleotides. Lin T. **J Androl** 1984 May–Jun; 5(3):193–200
Direct regulation of rat testicular steroidogenesis by neurohypophysial hormones. Divergent effects on androgen and progestin biosynthesis. Adashi EY, et al.
J Biol Chem 1984 May 10;259(9):5440–6
Activity of LH receptor, LH-stimulated cyclic AMP and testosterone production in the Leydig cell of heat-acclimatized rats. Bedrak E, et al. **J Endocrinol** 1984 Aug;102(2):167–73
In-vivo and in-vitro steroidogenic activity of post-ovulatory ovarian follicles of the rabbit. Osteen KG, et al.
J Reprod Fertil 1984 Mar;70(2):683–8
Conversion of androstenedione to testosterone and other androgens in guinea-pig alveolar macrophages. Milewich L, et al. **J Steroid Biochem** 1983 Nov;19(5):1611–5
Hormonal regulation of testosterone production in short-term primary culture of fetal mouse Leydig cells. Pointis G, et al. **J Steroid Biochem** 1984 Jan;20(1):525–8
Adenosine 3',5'-monophosphate and testosterone responses of normal and desensitized Leydig cells to forskolin. Lin T. **Life Sci** 1983 Dec 19;33(25):2465–71
Absence of gonadotropin-induced desensitization of testosterone production in the neonatal rat testis. Huhtaniemi IT, et al. **Mol Cell Endocrinol** 1983 Sep; 32(1):81–90
An improved method for evaluating testosterone biosynthetic defects. Chasalow FI, et al. **Pediatr Res** 1984 Aug; 18(8):759–63
Effect of zinc ion on human chorionic gonadotropin-stimulated in vitro production of cyclic AMP and testosterone by rat testis. Nishi Y, et al.
Pediatr Res 1984 Mar;18(3):232–5
Leydig cell structure and steroidogenic function. Ewing LL, et al. **Recent Prog Horm Res** 1983;39:599–635 (62 ref.)
The effect of cadmium on steroidogenesis by testes of the rainbow trout, Salmo gairdneri. Kime DE. **Toxicol Lett** 1984 Jul;22(1):83–8
[The effects of parotin components on testosterone biosynthesis in rats] Aonuma S, et al.
Nippon Naibunpi Gakkai Zasshi 1983 Dec 20; 59(12):1884–93 (Eng. Abstr.) (Jpn)
[Aging and delta 4-androstenedione and testosterone production in the ovary] Nagasako S.
Nippon Sanka Fujinka Gakkai Zasshi 1983 Nov; 35(11):1945–54 (Eng. Abstr.) (Jpn)

BLOOD

Effects of 60Co gamma-ray local irradiation on the level of testis tissue cyclic nucleotides and plasma testosterone in the rat. Shi XB, et al. **Acta Acad Med Wuhan** 1983; 3(4):248–52
Relationship of high density lipoprotein cholesterol with total and free testosterone and sex hormone binding globulin. Heller RF, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):253–6
Peripheral hormone levels and the endometrial condition in postmenopausal women. Brody S, et al.
Acta Obstet Gynecol Scand 1983;62(5):525–9
Endocrine effects of heat stress in boars. Larsson K, et al.
Acta Vet Scand 1983;24(3):305–14
Relation between plasma high-density lipoprotein cholesterol and sex hormone concentrations in men. Dai WS, et al.
Am J Cardiol 1984 May 1;53(9):1259–63
Hormonal changes in normal men under marginally negative energy balance. Garrel DR, et al. **Am J Clin Nutr** 1984 Jun;39(6):930–6
Serum testosterone measurements. Boyle WJ, et al.
Am J Clin Pathol 1984 Jun;81(6):754–61
Evidence for hyperestrogenemia as the link between diabetes mellitus and myocardial infarction. Phillips GB.
Am J Med 1984 Jun;76(6):1041–8
Concentrations of testosterone in canine serum during late anestrus, proestrus, estrus, and early diestrus. Olson PN, et al. **Am J Vet Res** 1984 Jan;45(1):145–8
Distribution of testosterone in plasma proteins during replacement therapy with testosterone enanthate in patients suffering from hypogonadism. Demisch K, et al.
Andrologia 1983;15 Spec No:536–41
Abnormal semen quality and low serum testosterone in men with inflammatory bowel disease treated for a long time with sulfasalazine. Ragni G, et al. **Andrologia** 1984 Mar–Apr;16(2):162–7
Investigation of hirsutism: testosterone is not enough. Carter GD, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):262–3
Stability of four steroids in lyophilised human serum. Das RE, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):364–8
Endocrine profile in patients with Klinefelter's syndrome. Hirsch M, et al. **Arch Androl** 1984;12(1):103–7
Sex chromosome anomalies, hormones, and aggressivity. Schiavi RC, et al. **Arch Gen Psychiatry** 1984 Jan;41(1):93–9
Effects of opiate antagonists on hormones and behavior of male and female rhesus monkeys. Abbott DH, et al.
Arch Sex Behav 1984 Feb;13(1):1–25
Estradiol, testosterone, apolipoproteins, lipoprotein cholesterol, and lipolytic enzymes in men with premature myocardial infarction and angiographically assessed coronary occlusion. Mendoza SG, et al. **Artery** 1983; 12(1):1–23
Increased oxidation of testosterone in systemic lupus erythematosus. Lahita RG, et al. **Arthritis Rheum** 1983 Dec; 26(12):1517–21
Plasma luteinizing hormone and testosterone concentrations in different breeds of young beef bulls in the tropics. Post TB, et al. **Aust J Biol Sci** 1983;36(5–6):545–9
Testosterone and the decline of sexual behavior in aging male rats. Chambers KC, et al. **Behav Neural Biol** 1984 Jan; 40(1):87–97
Effects of female hormonal condition on body weight of male partners: dependence on testicular factors. Czaja JA, et al. **Behav Neurosci** 1983 Dec;97(6):984–93
Morphometry of fetal Leydig cells in the monkey (Macaca fascicularis), correlation with plasma testosterone. Fouquet JP, et al. **Biol Cell** 1983;49(3):267–72
Effect of maternal progesterone exposure on fetal testosterone in mice. Pointis G, et al. **Biol Neonate** 1984; 45(4):203–8
Effects of the luteinizing hormone-releasing hormone (LHRH) analog D-Trp6-Pro9-NEt-LHRH on the pituitary-gonadal axis of prepubertal rhesus monkeys. Cassoria F, et al. **Biol Reprod** 1984 Jun;30(5):1130–4
Modification of acute testosterone responsiveness to luteinizing hormone by follicle-stimulating hormone and luteinizing hormone in the domestic cockerel. Chase DJ.
Biol Reprod 1983 Aug;29(1):143–50
Profiles of luteinizing hormone, follicle-stimulating hormone, testosterone and prolactin in rams of diverse breeds: effects of contrasting short (8L:16D) and long (16L:8D) photoperiods. D'Occhio MJ, et al. **Biol Reprod** 1984 Jun; 30(5):1039–54
Hypophysectomy and hemivasectomy can inhibit the testicular hemicastration response of the mature rat. Frankel AI, et al. **Biol Reprod** 1984 May;30(4):804–8
Age-related and seasonal variation in the Sertoli cell population, daily sperm production and serum concentrations of follicle-stimulating hormone, luteinizing hormone and testosterone in stallions. Johnson L, et al.
Biol Reprod 1983 Oct;29(3):777–89
Sexual behavior correlates with the diurnal plasma testosterone range in intact male rhesus monkeys. Michael RP, et al. **Biol Reprod** 1984 Apr;30(3):652–7
Serum and pituitary luteinizing hormone and serum androgens during luteinizing hormone releasing hormone self-priming in immature and pubertal male rats. Nazian SJ. **Biol Reprod** 1983 Nov;29(4):912–8
Effects of active immunization against estradiol-17 beta on luteinizing hormone and testosterone in male rats. Nishihara M, et al. **Biol Reprod** 1983 Dec;29(5):1092–7
Effect of pinealectomy on seasonal changes in antler growth and concentrations of testosterone and prolactin in white-tailed deer. Snyder DL, et al. **Biol Reprod** 1983 Aug; 29(1):63–71
Circulating androgens in male acne. van der Meeren HL, et al. **Br J Dermatol** 1984 May;110(5):609–11
Testosterone, erythropoietin and anaemia in patients with disseminated bronchial cancer. Schreuder WO, et al.
Br J Haematol 1984 Jul;57(3):521–6
Failure of long term luteinising hormone releasing hormone treatment for prostatic cancer to suppress serum luteinising hormone and testosterone. Kerle D, et al.
Br Med J [Clin Res] 1984 Aug 25;289(6443):468–9
Decreased plasma testosterone and total thyroxine in desalivated male rats. Dean DH, et al.
Can J Physiol Pharmacol 1984 May;62(5):565–8
Sexual offenders, violence and testosterone: a clinical study. Bradford JM, et al. **Can J Psychiatry** 1984 Jun;29(4):335–43
High testosterone and low progesterone circulating levels in premenopausal patients with hyperplasia and cancer of the breast. Secreto G, et al. **Cancer Res** 1984 Feb; 44(2):841–4
Direct measurement of testosterone in a pediatric center, with use of a radioimmunoassay kit and unextracted serum. Funderburgh LJ, et al. **Clin Chem** 1983 Oct;29(10):1796–8
Radioimmunoassay used to monitor therapy with testosterone [letter] Ratnaike S, et al. **Clin Chem** 1984 Feb;30(2):340
Circannual rhythms of plasma luteinizing hormone, follicle-stimulating hormone, testosterone, prolactin and cortisol in prepuberty. Bellastella A, et al.
Clin Endocrinol (Oxf) 1983 Oct;19(4):453–9
Dissociation of adrenarche and gonadarche in diabetes mellitus. Cohen HN, et al. **Clin Endocrinol (Oxf)** 1984 Jun; 20(6):717–24
Alteration of hormone levels in normal males given the anabolic steroid stanozolol. Small M, et al.
Clin Endocrinol (Oxf) 1984 Jul;21(1):49–55
Testosterone, 17 Ks, 17 beta E2 FSH-LH variations and hirsutism modifications during spironolactone therapy. Spandri P, et al. **Clin Exp Obstet Gynecol** 1984; 11(1–2):49–54
Plasma testosterone and luteinizing hormone levels during levo-alpha-acetylmethadol maintenance and withdrawal. Mendelson JH, et al. **Clin Pharmacol Ther** 1984 Apr; 35(4):545–7
Effects of nutrition on seasonal changes in testosterone levels in young male reindeer (Rangifer tarandus tarandus). Ryg M. **Comp Biochem Physiol [A]** 1984;77(4):619–21
The control of male fertility by 1,2,3-trihydroxypropane (THP;glycerol): rapid arrest of spermatogenesis without altering libido, accessory organs, gonadal steroidogenesis, and serum testosterone, LH and FSH. Wiebe JP, et al.
Contraception 1984 Mar;29(3):291–302
Serum testosterone concentration during two hours of moderate intensity treadmill running in trained men and women. Webb ML, et al. **Endocr Res** 1984;10(1):27–38
Liposome-entrapped diethylstilbestrol effect on prostate gland and plasma testosterone levels in rats. Jackson AJ, et al. **Endocrinology** 1984 Aug;115(2):538–43
Concentration increase of unbound testosterone in plasma of the mare throughout pregnancy. Silberzahn P, et al.
Endocrinology 1984 Jul;115(1):416–9
Differential effects of maternal stress on circulating levels

of corticosterone, progesterone, and testosterone in male and female rat fetuses and their mothers. Ward IL, et al. **Endocrinology** 1984 May;114(5):1635–44

Androstenedione, testosterone, and estradiol concentrations in fetal and maternal plasma in late pregnancy in the sheep. Yu HK, et al. **Endocrinology** 1983 Dec;113(6):2216–20

Carcinoma of the prostate: relationship of pretreatment hormone levels to survival. Harper ME, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):477–82

Behaviour of some steroids in postmenopausal women with coelomic ovarian tumors. Pelusi G, et al. **Eur J Gynaecol Oncol** 1983;4(3):224–8

The effect of long-acting ACTH on plasma corticosteroids, testosterone, and LH levels in the male pig. Pitzel L, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):14–20

Serum levels of testosterone precursors, testosterone and estradiol in 10 animal species. Wichmann U, et al. **Exp Clin Endocrinol** 1984 May;83(3):283–90

Serum steroid binding protein concentrations, distribution of progestogens, and bioavailability of testosterone during treatment with contraceptives containing desogestrel or levonorgestrel. Hammond GL, et al. **Fertil Steril** 1984 Jul; 42(1):44–51

Effects of short-term hyperprolactinemia on the endocrine reproductive system in male rabbits. Laborde NP, et al. **Fertil Steril** 1984 Sep;42(3):459–65

The effect of delta 1-testolactone on serum testosterone and estradiol in the adult male rat. Nagler HM, et al. **Fertil Steril** 1983 Dec;40(6):818–22

Effects of testosterone upon the chest-rubbing behavior of Galago crassicaudatus umbrosus. Bullard SC. **Folia Primatol (Basel)** 1984;42(1):70–5

The sexing of bloodstains by testosterone: total protein ratio determination. Cheetham RC, et al. **Forensic Sci Int** 1983 Aug–Sep;22(2–3):195–201

Identification of testosterone and progesterone in hemolymph of larvae of the fleshfly Sarcophaga bullata. De Clerck D, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):368–78

Gonadal hormone-dependent changes in the concentrations of sialic acid and fructose in the seminal glomus and of glycogen in the oviduct of the Indian pied myna. Gupta SK, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):389–91

Onset of the response to chorionic gonadotropin in the chick embryo testis. Pedernera E, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):344–9

The development of photorefractoriness in castrated willow ptarmigan (Lagopus lagopus lagopus). Stokkan KA, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):402–8

Hypothalamo-adenohypophyseal-thyroid and gonadal interrelationship in the chick embryo. I. Differential effect of ectopic pituitary grafts on plasma total T4 and testosterone levels. Woods JE, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):357–64

Hormonal profile of endometrial cancer. Oettinger M, et al. **Gynecol Obstet Invest** 1984;17(5):225–35

Effect of Hamycin on prostatatic secretion and serum testosterone levels in the rabbit. Naik SR. **Hindustan Antibiot Bull** 1983 Aug–Nov;25(3–4):123–30

Sexual behavior and serum hormone levels in aging rhesus males: effects of environmental change. Phoenix CH, et al. **Horm Behav** 1984 Jun;18(2):206–15

Induction of maternal behavior and some hormonal and physiological correlates in the domestic hen. Richard-Yris MA, et al. **Horm Behav** 1983 Dec;17(4):345–55

The effect of varying doses of hCG on the in vivo uptake by rat testis and serum testosterone response. Veijola M, et al. **Horm Res** 1984;19(3):191–9

Seminal plasma constituents & serum testosterone levels of vasectomized men. Chinoy NJ, et al. **Indian J Exp Biol** 1983 Apr;21(4):193–7

Changes in serum testosterone & dihydrotestosterone levels in response to bromocriptine & pimozide in maturing male rats. Sanyal S, et al. **Indian J Exp Biol** 1983 Oct; 21(10):575–6

17 Beta-estradiol, progesterone and testosterone in the normal menstrual cycle of Nigerians. Dada OA, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):151–4

Virilization due to a metastasizing granulosa cell tumor. Jarabak J, et al. **Int J Gynecol Pathol** 1983;2(3):316–24

Endocrine profiles of patients with testicular tumors treated with radiotherapy. Nader S, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1723–6

Effect of spironolactone on testosterone and LHRH responsiveness in women with polycystic ovarian disease. Evron S, et al. **Isr J Med Sci** 1984 Jul;20(7):630–3

Acne and hyperandrogenism. Held BL, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):223–6

Do endocrines play an etiological role in diabetic and nondiabetic sexual dysfunctions? Ficher M, et al. **J Androl** 1984 Jan–Feb;5(1):8–16

Seasonal changes in breeding activity, testicular size, testosterone concentration and seminal characteristics in rams with long or short breeding season. Dufour JJ, et al. **J Anim Sci** 1984 Feb;58(2):416–22

Plasma testosterone and LH responses to LHRH in double-muscled bulls treated with trenbolone acetate and zeranol. Fabry J, et al. **J Anim Sci** 1983 Nov;57(5):1138–45

Breed and heterosis effects on testicular development and endocrine function of puberal boars. Fent RW, et al. **J Anim Sci** 1983 Aug;57(2):425–32

Pituitary-testicular responses of estradiol-17 beta-implanted bull calves to continuous versus pulsatile infusion of luteinizing hormone releasing hormone. Schanbacher BD. **J Anim Sci** 1984 Apr;58(4):943–8

Active immunization of prepubertal colts against estrogens: hormonal and testicular responses after puberty. Thompson DL Jr, et al. **J Anim Sci** 1984 Jul;59(1):189–96

Gonadotropin and steroid secretory patterns during chronic treatment with a luteinizing hormone-releasing hormone agonist analog in men. Evans RM, et al. **J Clin Endocrinol Metab** 1984 May;58(5):862–7

The stimulatory and down-regulatory effects of a gonadotropin-releasing hormone agonist in man. Heber D, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1084–8

Gynecomastia as a familial incomplete male pseudohermaphroditism type 1: a limited androgen resistance syndrome. Larrea F, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):961–70

Effect of chronic administration of estrogen, androgen, or both on serum levels of gonadotropins in adult men. Sawin CT, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):911–5

Testosterone, dehydroepiandrosterone, and dehydroepiandrosterone sulfate in hyperandrogenic women. Steinberger E, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):471–7

No change in plasma free testosterone ratio and plasma sex hormone-binding globulin concentration during hCG stimulation. Willemse PH, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1193–6

Adult testosterone levels influence the morphology of a sexually dimorphic area in the Mongolian gerbil brain. Commins D, et al. **J Comp Neurol** 1984 Mar 20; 224(1):132–40

Effect of pinealectomy on the plasma concentrations of prolactin, cortisol and testosterone in sheep in short and skeleton long photoperiods. Brinklow BR, et al. **J Endocrinol** 1984 Mar;100(3):287–94

Seasonal and circadian changes of testosterone levels in the peripheral blood plasma of stallions and their relation to semen quality. Byers SW, et al. **J Endocrinol** 1983 Oct; 99(1):141–50

Variations in hypothalamic luteinizing hormone releasing hormone content and release in vitro and plasma concentrations of luteinizing hormone and testosterone in developing cockerels. Knight PG. **J Endocrinol** 1983 Nov; 99(2):311–9

Sex differences in the serum concentrations of testosterone in mice and hamsters during their critical periods of neural sexual differentiation. Pang SF, et al. **J Endocrinol** 1984 Jan;100(1):7–11

Plasma testosterone levels in adult and neonatal female rats bearing testosterone propionate-filled silicone elastomer capsules for varying periods of time. Sommerville EM, et al. **J Endocrinol** 1983 Sep;98(3):365–71

Plasma oestradiol-17 beta and testosterone concentrations as possible causes of the infertility of congenitally obese Zucker rats. Whitaker EM, et al. **J Endocrinol** 1983 Dec; 99(3):485–90

Hormonal patterns in menstrual dysfunction. Reith P, et al. **J Kans Med Soc** 1984 Apr;85(4):110–2, 123

Effect of surgical repair of cryptorchidism on endocrine testicular function. Anoussakis C, et al. **J Pediatr** 1983 Dec; 103(6):919–21

Relationships between seasonal changes in serum testosterone concentrations, scrotal circumference and sperm morphology of male wapiti (Cervus elaphus). Haigh JC, et al. **J Reprod Fertil** 1984 Mar;70(2):413–8

Electroejaculation, semen characteristics and serum testosterone concentrations of free-ranging african elephants (Loxodonta africana). Howard JG, et al. **J Reprod Fertil** 1984 Sep;72(1):187–95

Relationship between serum testosterone concentrations and fertility in male mink (Mustela vison). Sundqvist C, et al. **J Reprod Fertil** 1984 Mar;70(2):409–12

Endocrine control of antler growth in red deer stags. Suttie JM, et al. **J Reprod Fertil** 1984 May;71(1):7–15

Effect of gossypol on testicular blood flow and testosterone production in rats. Wang JM, et al. **J Reprod Fertil** 1984 May;71(1):127–33

Serum testosterone and prolactin levels in erectile dysfunction. Segraves RT, et al. **J Sex Marital Ther** 1983 Spring;9(1):19–26

Effects of surgery and epidural or general anaesthesia on testosterone, 17-hydroxyprogesterone and cortisol plasma levels in prepubertal boys. Boninsegni R, et al. **J Steroid Biochem** 1983 Dec;19(6):1783–7

Androgen metabolism in vitro by human leukocytes, variations with sex and age. Clair P, et al. **J Steroid Biochem** 1984 Jan;20(1):377–81

Plasma concentrations of testosterone and 5 alpha-dihydrotestosterone around luteolysis in goats and their behavioural effects after ovariectomy. Homeida AM, et al. **J Steroid Biochem** 1984 Jun;20(6A):1357–9

Plasma testosterone transport in primates. Pugeat M, et al. **J Steroid Biochem** 1984 Jan;20(1):473–8

Testosterone, 17 beta-hydroxy-5 alpha-androstan-3-one and 4-androstene-3, 17-dione in the plasma of male and female grey squirrels (Sciurus carolinensis). Webley GE, et al. **J Steroid Biochem** 1984 May;20(5):1207–9

Effects of marijuana on testosterone in male subjects. Barnett G, et al. **J Theor Biol** 1983 Oct 21;104(4):685–92

Serum gonadotropins and testosterone in men occupationally exposed to carbon disulfide. Wägar G, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):691–701

Kidney deficiency and plasma testosterone level. Zhang FS, et al. **J Tradit Chin Med** 1984 Mar;4(1):55–7

The effects of ketoconazole on testosterone production and normal and malignant androgen dependent tissues of the adult rat. Trachtenberg J. **J Urol** 1984 Sep;132(3):599–601

Reduced serum testosterone and prolactin levels in male distance runners. Wheeler GD, et al. **JAMA** 1984 Jul 27; 252(4):514–6

The relationship between serum hormone levels and reproductive ability in aging male rats. Hashizume K, et al. **Jikken Dobutsu** 1984 Apr;33(2):159–63

Exercise and temperature effects on human sperm production and testosterone levels. McConnell TR, et al. **Med Sci Sports Exerc** 1984;16(1):51–5

Intermale aggression and infanticide in aged C57BL/6J male mice: behavioral deficits are not related to serum testosterone (T) levels and are not recovered by supplemental T. Svare B, et al. **Neurobiol Aging** 1983 Winter;4(4):305–12

Effects of estrogen-induced hyperprolactinemia on endocrine and sexual functions in adult male rats. Bartke A, et al. **Neuroendocrinology** 1984 Aug;39(2):126–35

Effect of the antiandrogen flutamide (Niftolide) on testicular androgen production in hypophysectomized rats. Volkova NN. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):139–41

The effect of medial preoptic-anterior hypothalamic lesions on testosterone plasma levels and testosterone conversion in the hypothalamus of male rats. Lupo C, et al. **Neurosci Lett** 1983 Sep 9;39(3):261–5

Differentiation of sex origin of bloodstains by radioimmunoassay of sex hormones. Ishizu H, et al. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):127–32

Markedly elevated serum testosterone in pregnancy without fetal virilization. Berger NG, et al. **Obstet Gynecol** 1984 Feb;63(2):260–2

Seasonal aggression independent of seasonal testosterone in wood rats. Caldwell GS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5255–7

Mood, sexuality, hormones, and the menstrual cycle. III. Sexuality and the role of androgens. Bancroft J, et al. **Psychosom Med** 1983 Dec;45(6):509–16

Pituitary-gonadal function during sleep in men with erectile impotence and normal controls. Schiavi RC, et al. **Psychosom Med** 1984 May-Jun;46(3):239–54

Relationships between Leydig cell morphometry and plasma testosterone during postnatal development of the monkey, Macaca fascicularis. Fouquet JP, et al. **Reprod Nutr Dev** 1984;24(3):281–96

Social influences on behaviour and neuroendocrine responsiveness of talapoin monkeys. Keverne EB, et al. **Scand J Psychol** 1982;Suppl 1:37–47

Serum testosterone, LH, and FSH in patients with testicular cancer before and after radio- and chemotherapy. Berthelsen JG, et al. **Scand J Urol Nephrol** 1983; 17(3):287–90

Neuroendocrine response to estrogen and sexual orientation. Gladue BA, et al. **Science** 1984 Sep 28;225(4669):1496–9

In vivo patterns of circulating testosterone following castration and intramuscular testosterone propionate injections of adult male rats. Keating RJ, et al. **Steroids** 1983 Jul;42(1):63–76

Delay in the age of balano-preputial skinfold cleavage and alterations in serum profiles of testosterone, 5 alpha-androstane-3 alpha,17 beta-diol, and gonadotropins in adult rats treated during puberty with luteinizing hormone releasing hormone. Wisner JR Jr, et al. **Steroids** 1983 Apr;41(4):443–54

Effects of delta 9-THC on plasma hormone levels in female mice. Dalterio SL, et al. **Subst Alcohol Actions Misuse** 1983; 4(5):339–45

Effect of an acute dose of delta 9-THC on hypothalamic luteinizing hormone releasing hormone and met-enkephalin content and serum levels of testosterone and corticosterone in rats. Kumar MS, et al. **Subst Alcohol Actions Misuse** 1983;4(1):37–43

Sex hormone suppression and sexual impotence in hypoxic pulmonary fibrosis. Semple PD, et al. **Thorax** 1984 Jan; 39(1):46–51

Inhalation of enflurane and halothane at subanesthetic concentrations and effects on circulating serum testosterone, luteinizing hormone and follicle-stimulating hormone in the male rat. Cameron AM, et al. **Toxicol Lett** 1983 Dec;19(3):333–8

Endocrine profile and seminal plasma composition in Hansen's disease. Sultan Sheriff D. **Trans R Soc Trop Med Hyg** 1984;78(3):311–3

Abnormal serum hormone levels in lung cancer. Recchione C, et al. **Tumori** 1983 Aug 31;69(4):293–8

Effect of experimental microvascular orchidopexy on testosterone secretion in the dog. Garibyan H, et al. **Urol Int** 1983;38(6):337–9

[Hormonal studies in patients with idiopathic varicocele] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1984;23(1):76–82 (Eng. Abstr.) (Bul)

[Morphological and hormonal diagnosis of prostate cancer] Minkov N, et al. **Khirurgiia (Sofiia)** 1983;36(3):249–51 (Eng. Abstr.) (Bul)

[Level of plasma testosterone in relation to age, gonad size and sexual libido in bulls] Kozumplik J. **Vet Med (Praha)** 1983 Jul;28(7):393–9 (Eng. Abstr.) (Cze)

[Profile of gonadal hormones in 8 cases of male anorexia

nervosa studied before and during weight gain] Buvat J, et al. **Ann Endocrinol (Paris)** 1983;44(4):229–34 (Eng. Abstr.) (Fre)

[Kinetics of the testicular steroidogenic response to stimulation with placental gonadotropin in the prepuberal boy] Forest MG, et al. **Arch Fr Pediatr** 1984 Feb; 41(2):103–9 (Eng. Abstr.) (Fre)

[Variations of plasma levels of testosterone and delta 4-androstenedione in growing Hubbard cockerels] Carrié-Lemoine J, et al. **C R Seances Acad Sci [III]** 1983; 296(15):701–6 (Eng. Abstr.) (Fre)

[Gynecomastia and chronic renal insufficiency in periodic hemodialysis. Demonstration of a decrease in the free fraction of testosterone] Caron P, et al. **Rev Med Interne** 1984 Jun;5(2):110–3 (Eng. Abstr.) (Fre)

[Rapists—aspects of their personality. Psychologic, genetic and endocrinology studies] Hilgarth M, et al. **Fortschr Med** 1983 Oct 20;101(39):1775–9 (Ger)

[Effect of testosterone on the skin and its appendages] Ebling FJ. **Z Gesamte Inn Med** 1983 Aug 1;38(15):398–401 (Eng. Abstr.) (Ger)

[Androstenedione, epitestosterone, testosterone and luteinizing hormone in the blood serum of steers before and after GnRH (Lutal) administration] Möstl E, et al. **Zentralbl Veterinarmed [A]** 1983 Jun;30(6):429–37 (Eng. Abstr.) (Ger)

[Androstenedione, testosterone and epitestosterone in blood of cows during the 1st 6 months of pregnancy] Möstl E, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):559–63 (Eng. Abstr.) (Ger)

[Free testosterone: clinical evaluation with a new method of radioimmunologic determination] Falsetti L, et al. **Ann Ostet Ginecol Med Perinat** 1983 Sep–Oct;104(5):295–9 (Eng. Abstr.) (Ita)

[H2 histamine antagonists and the hypothalamo–hypophyseal–gonadal axis: effect of short-term treatment on serum levels of prolactin, FSH, LH and testosterone in male ulcer patients] Biagi P, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):313–21 (Eng. Abstr.) (Ita)

[Changes of serum testosterone–estradiol–binding globulin, follicular stimulating hormone, luteinizing hormone, estradiol, progesterone, and testosterone levels in women associated with aging] Kamatsuki S. **Igaku Kenkyu** 1982 Nov;52(5):243–55 (Eng. Abstr.) (Jpn)

[Changes in testosterone and dihydrotestosterone in the rat submandibular gland during development] Tarui M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):1013–21 (Eng. Abstr.) (Jpn)

[Serum testosterone level in women with pituitary gland hypofunction and pituitary dwarfism] Kozak W, et al. **Endokrynol Pol** 1983;34(3):147–52 (Eng. Abstr.) (Pol)

[Blood testosterone levels in patients with Horton's headache] Klimek A. **Neurol Neurochir Pol** 1983 Jul–Aug; 17(4):459–63 (Eng. Abstr.) (Pol)

[Testosterone levels of the plasma of bulls in relation to growth, breed, semen quality and sexual activity] Kwiatkowski T, et al. **Pol Arch Weter** 1983;23(4):9–22 (Eng. Abstr.) (Pol)

[Experimental testicular transplantation: morphological and functional aspects] Srougi M, et al. **AMB** 1983 Mar–Apr; 29(3–4):51–4 (Eng. Abstr.) (Por)

[The effect of estrogens on serum gonadotropins, prolactin and testosterone in postmenopausal women] Tiron V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep; 87(3):455–7 (Eng. Abstr.) (Rum)

[Characteristics of the androgenic function of steroid-producing glands of baboons in the metapyrone test] Butnev VIu, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):99–102 (Eng. Abstr.) (Rus)

[Steroid hormone dynamics in cold adaptation of rats of different inbred strains] Gerlinskaia LA, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):63–6 (Eng. Abstr.) (Rus)

[Effect of luliberin and chorionic gonadotropin on luteinizing hormone and testosterone levels in the blood of monkeys under acute stress] Katsiia GV, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):73–7 (Eng. Abstr.) (Rus)

[Clinical and hormonal aspects of systemic lupus erythematosus in men] Alekberova ZS, et al. **Ter Arkh** 1983;55(7):85–7 (Rus)

[Disorders of spermatogenic and androgenic functions in varicocele] Tiktinskiĭ OL, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):50–4 (10 ref.) (Eng. Abstr.) (Rus)

[Sex steroid hormone content in young children with neurodermatitis] Miliavskaia IR. **Vestn Dermatol Venerol** 1984 Apr;(4):20–3 (Eng. Abstr.) (Rus)

[Prolactin and prostatic cancer. Modification of testosterone serum levels in estrogen-induced hyperprolactinemia by bromocriptine] Maganto E, et al. **Actas Urol Esp** 1983 Jul–Aug;7(4):289–94 (Eng. Abstr.) (Spa)

[Subalbugineal orchiectomy. Experimental evaluation of a technic] Verdú Tartajo F, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):229–33 (Eng. Abstr.) (Spa)

[Adrenal androgens and circulating 17 beta-estradiol/testosterone ratio in benign hyperplasia of the prostate] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1984 May 5;82(17):751–3 (Eng. Abstr.) (Spa)

[Response of plasma testosterone to stimulation with chorionic gonadotrophin in children and adolescents: a comparison of 2 protocols] Pavía C, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):658–61 (Eng. Abstr.) (Spa)

[Plasma testosterone response to HCG stimulation. Comparison of different stimuli in normal men] Moreno Esteban B, et al. **Rev Clin Esp** 1984 Mar 15;172(5):267–70 (Eng. Abstr.) (Spa)

[Hormones levels in the male climacteric] Wainstein C, et al. **Rev Med Chil** 1983 Jun;111(6):564–6 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Serum and CSF concentrations of testosterone and LH related to negative feedback in male rhesus monkeys. Dubey AK, et al. **Neuroendocrinology** 1984 Aug; 39(2):176–85

DEFICIENCY

[Sex hormones and peptic ulcer] Markova VM, et al. **Klin Med (Mosk)** 1984 May;62(5):21–7 (51 ref.) (Rus)

[Diagnosis of androgenic insufficiency in interoreceptive forms of sexual dysfunction] Iunda IF, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):54–6 (Eng. Abstr.) (Rus)

GENETICS

The genetics of hormonal influences on male sexual behavior of mice and rats. Shrenker P, et al. **Neurosci Biobehav Rev** 1983 Fall;7(3):349–59 (95 ref.)

[Genetic endocrine and ethological mechanisms of differential reproduction. I. A comparative genetic analysis of the basal testosterone level in the blood plasma and the relative weight of the testicles and accessory sex glands in male laboratory mice] Osadchuk AV, et al. **Genetika (Moskva)** 1983 Aug;19(8):1265–72 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Isotope effects of tritium in a ligand–antibody binding. Xing S, et al. **Int J Appl Radiat Isot** 1983 Jul;34(7):957–8

Simultaneous production of monoclonal antibodies to dehydroepiandrosterone, oestradiol, progesterone and testosterone. Fantl VE, et al. **J Endocrinol** 1984 Mar; 100(3):367–76

Improvement of specificity of anti-testosterone (T) and anti-5 alpha-dihydrotestosterone (DHT) rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jan;20(1):479–85

Improvement of specificity of anti-testosterone and anti-5 alpha-dihydrotestosterone rabbit antibodies by immunotolerance techniques. Dupret J, et al. **J Steroid Biochem** 1984 Jun;20(6A):1345–52

ISOLATION & PURIFICATION

Rapid and reliable separation of 5 alpha-dihydrotestosterone from testosterone on silica gel microcolumns. Hämäläinen EK, et al. **Clin Chim Acta** 1984 May 30;139(2):173–7

Isolation and identification of testosterone from the serum and testes of the American lobster (Homarus americanus). Burns BG, et al. **Gen Comp Endocrinol** 1984 Jun; 54(3):429–32

METABOLISM

Testosterone, dihydrotestosterone, androstenedione and dehydroepiandrosterone concentrations in placentae, ovaries and plasma of the rat in late pregnancy. Legrand C, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):119–25

Does sex hormone-binding globulin play a role in the transport of estradiol in vivo? Philip A, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):643–8

Cytochrome P-450-dependent oxidation of progesterone, testosterone, and ecdysone in the spiny lobster, Panulirus argus. James MO, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):1–9

Use of a direct high performance liquid chromatography method for multiple testosterone hydroxylations in studies of microsomal monooxygenase activities. Tredger JM, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1729–36

Inhibition of testosterone metabolism in cultured rat epididymal principal cells by dihydrotestosterone and progesterone. Brown DV, et al. **Biol Reprod** 1984 Feb; 30(1):67–73

Transfer of maternal testosterone to the guinea pig fetus during the last third of pregnancy. Despres G, et al. **Biol Reprod** 1984 Aug;31(1):7–15

Ability of cortisol and progesterone to mediate the stimulatory effect of adrenocorticotropic hormone upon testosterone production by the porcine testis. Juniewicz PE, et al. **Biol Reprod** 1984 Feb;30(1):134–42

Relationship between seasonal plasma estradiol-17 beta and testosterone levels and in vitro production by ovarian follicles of amago salmon (Oncorhynchus rhodurus). Kagawa H, et al. **Biol Reprod** 1983 Sep;29(2):301–9

Nuclear accumulation of estradiol derived from the aromatization of testosterone is inhibited by hypothalamic beta-receptor stimulation in the neonatal female rat. Raum WJ, et al. **Biol Reprod** 1984 Mar;30(2):388–96

Testosterone metabolism in discrete areas of the hypothalamus and adjacent brain regions of male and female Japanese quail (Coturnix coturnix Japonica). Schumacher M, et al. **Brain Res** 1983 Nov 14; 278(1–2):337–40

Aromatization of testosterone to estrogen varies between strains of mice. Sheridan PJ, et al. **Brain Res** 1983 Aug 29;273(2):285–9

Nuclear uptake of testosterone in the dove preoptic area. Steimer T, et al. **Brain Res** 1983 Sep 5;274(1):193–6

Immunohistochemical demonstration of target cells for sexual hormones in the skin of the domestic pig. Meyer W, et al. **Cell Mol Biol** 1984;30(3):269–74

Testosterone metabolism in vitro by prostate homogenate from isoimmunized rats. Vega D, et al. **Cell Mol Biol** 1983; 29(3):245–53

Characterization of testosterone binding protein of rat liver cytosol. Ota M, et al. **Endocrinol Jpn** 1983 Apr;30(2):139–46

Investigations on the relationship between sperm fertilizing ability and androgen-binding protein in the hypophysectomized, pregnenoloneenolone-injected rat. Anthony CT, et al. **Endocrinology** 1984 Apr;114(4):1419–25

Gonadotropin-releasing hormone stimulates phosphatidylinositol labeling and prostaglandin E production in Leydig cells. Molcho J, et al. **Endocrinology** 1984 Mar;114(3):1048–50

Gonadal steroid concentrations in serum and hypothalamus of the rat at birth: aromatization of testosterone to 17 beta-estradiol. Rhoda J, et al. **Endocrinology** 1984 May; 114(5):1754–60

Direct effects of a luteinizing hormone-releasing hormone agonist on intratesticular levels of testosterone and interstitial fluid formation in intact male rats. Sharpe RM, et al. **Endocrinology** 1983 Oct;113(4):1306–13

Steroid metabolism by rabbit embryos: time of onset of steroidogenic activity. Tandon A, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):285–90

Effects of bromocriptine on plasma testosterone and gonadotropin levels and testicular lipid fractions in adult rats. Rao MR, et al. **Experientia** 1984 Jan 15;40(1):88–9

Sexual differences in the Japanese quail: behavior, morphology, and intracellular metabolism of testosterone. Balthazart J, et al. **Gen Comp Endocrinol** 1983 Aug; 51(2):191–207

Steroid metabolism in fish. II. Testosterone metabolites in the bile of the marine winter flounder Pseudopleuronectes americanus and the freshwater Atlantic Salmon Salmo salar. Truscott B. **Gen Comp Endocrinol** 1983 Sep; 51(3):460–70

In vivo aromatization of [3H]testosterone in high and low mating lines of Japanese quail. Cohen-Parsons M, et al. **Horm Behav** 1983 Sep;17(3):316–23

Effect of castration on hypothalamic testosterone metabolism in the male rat. Dessi-Fulgheri F, et al. **Horm Res** 1983; 18(4):206–9

Identification of a high-affinity binder for estradiol and a low-affinity binder for testosterone in Coccidioides immitis. Powell BL, et al. **Infect Immun** 1984 Sep;45(3):784–6

Testosterone concentrations in human seminal plasma and saliva and its correlation with non-protein-bound and total testosterone levels in serum. Sannikka E, et al. **Int J Androl** 1983 Aug;6(4):319–30

Effect of castration on the metabolism of androgens in rat skeletal muscle. Warrenski J, et al. **Int J Biochem** 1983; 15(9):1149–53

Inhibition of 5 alpha-reductase activity and alteration of nuclear testosterone. Dihydrotestosterone ratio in human genital skin fibroblasts. Berkovitz GD, et al. **J Androl** 1984 May–Jun;5(3):171–5

Testosterone metabolism by cytochrome P-450 isozymes RLM3 and RLM5 and by microsomes. Metabolite identification. Cheng KC, et al. **J Biol Chem** 1983 Oct 10; 258(19):11738–44

Mouse liver testosterone 15 alpha-hydroxylase (cytochrome P-450(15) alpha). Purification, regioselectivity, stereospecificity, and sex-dependent expression. Harada N, et al. **J Biol Chem** 1984 Jan 25;259(2):1265–71

Changes in testosterone metabolism by the brain and cloacal gland during sexual maturation in the Japanese quail (Coturnix coturnix japonica). Balthazart J, et al. **J Endocrinol** 1984 Jan;100(1):13–8

In-vitro testosterone metabolism in the mouse preputial gland: intercellular co-operation and changes with cell maturation. Brind JL, et al. **J Endocrinol** 1984 Mar; 100(3):377–88

Ovarian steroid concentrations in rats approaching first ovulation. Toorop AI, et al. **J Endocrinol** 1984 Mar; 100(3):281–6

Evidence for the involvement of central conversion of testosterone to oestradiol-17 beta in the regulation of luteinizing hormone secretion in the cockerel. Wilson SC, et al. **J Endocrinol** 1983 Nov;99(2):301–10

Navel absorption: transdermal bioavailability of testosterone. Chien YW. **J Pharm Sci** 1984 Feb;73(2):283–5

Effects of ethanol and enzyme-inducing agents on the monooxygenation of testosterone and xenobiotics in rat liver microsomes. Tredger JM, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):292–8

Effect of scrotal insulation on the ability of ram testes to produce testosterone in vitro. Byers SW. **J Reprod Fertil** 1984 May;71(1):17–21

Androstenedione and testosterone concentrations in plasma and milk of the cow throughout pregnancy. Gaiani R, et al. **J Reprod Fertil** 1984 Jan;70(1):55–9

Alteration of free sulphydryl content of rat sperm heads by suppression of intratesticular testosterone. Huang HF, et al. **J Reprod Fertil** 1984 Jan;70(1):31–8

Seasonal changes in testicular contents of testosterone and androstenedione and in the metabolic clearance rate of testosterone in the sand rat (Psammomys obesus). Khammar F, et al. **J Reprod Fertil** 1984 May;71(1):235–41

Relationships between aromatase activity, follicular fluid oestradiol–17 beta and testosterone concentrations, and diameter and atresia of individual ovine follicles. Tsonis CG, et al. **J Reprod Fertil** 1984 Sep;72(1):153–63

Study of the role of Schiff base formation in the aromatization of 3–[18O]testosterone and 3,17–di–[18O]androstenedione by human placental aromatase. Beusen DD, et al. **J Steroid Biochem** 1984 Apr;20(4A):931–4

Steroid metabolism by rat nasal mucosa: studies on progesterone and testosterone. Brittebo EB, et al. **J Steroid Biochem** 1984 May;20(5):1147–51

Metabolism of [4–14C]testosterone and precursors by homogenates of rat testes after chronic LHRH–treatment. Eechaute W, et al. **J Steroid Biochem** 1984 May; 20(5):1201–5

Transformations of C21 and C19 steroids in porcine ovarian preparations and the chromatographic separation of the metabolites. Gower DB, et al. **J Steroid Biochem** 1983 Dec; 19(6):1799–804

Conversion of testosterone and androstenedione to 5 beta–androstanes by adult male hamster liver cytosol. Kochakian CD. **J Steroid Biochem** 1983 Oct;19(4):1521–6

Testosterone metabolism by incubated rat testes after chronic LHRH treatment. Lacroix E, et al. **J Steroid Biochem** 1984 Feb;20(2):633–7

The effect of zinc on the 5 alpha–reduction of testosterone by the hyperplastic human prostate gland. Leake A, et al. **J Steroid Biochem** 1984 Feb;20(2):651–5

Metabolism of testosterone to 17 beta–hydroxy–5 alpha–androstane–3–one and 5 alpha–androstane–3 alpha, 17 beta–diol in alveolar macrophages from rat lung. Lofthus R, et al. **J Steroid Biochem** 1984 Jun;20(6A):1243–6

Testosterone metabolism by homogenates of human prostates with benign hyperplasia: effects of zinc, cadmium and other bivalent cations. Sinquin G, et al. **J Steroid Biochem** 1984 Mar;20(3):773–80

Ileal metabolism in vitro of testosterone to 4–androstene–3 alpha, 17 beta–diol. Stenstad P, et al. **J Steroid Biochem** 1983 Dec;19(6):1775–8

Increased target tissue uptake of, and sensitivity to, testosterone in the vitamin B6 deficient rat. Symes EK, et al. **J Steroid Biochem** 1984 May;20(5):1089–93

Steroidogenesis in the monkey testis: relationship of enzyme organization to endogenous steroids, steroidogenesis and gonadotropin treatment. Yoshida K, et al. **J Steroid Biochem** 1984 Jul;21(1):49–58

Testosterone metabolism in prepubertal rabbit cartilage. Takahashi Y, et al. **Mol Cell Endocrinol** 1984 Apr; 35(1):15–24

Testosterone aromatization in high and low mating lines of gallinaceous birds. Van Krey HP, et al. **Physiol Behav** 1983 Aug;31(2):153–7

Nutrition–endocrine interactions: induction of reciprocal changes in the delta 4–5 alpha–reduction of testosterone and the cytochrome P–450–dependent oxidation of estradiol by dietary macronutrients in man. Kappas A, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7646–9

Mouse fibroblasts an adequate experimental model to study androgen action at the cellular level. Larrea F, et al. **Rev Invest Clin** 1984 Jan–Mar;36(1):11–5

Inhibition of human estrogen synthetase (aromatase) by flavones. Kellis JT Jr, et al. **Science** 1984 Sep 7; 225(4666):1032–4

Steroid metabolism by monkey and human spermatozoa. Rajalakshmi M, et al. **Steroids** 1983 May;41(5):587–95

[The problem of testosterone secretion by the chick embryo testis: new research] Weniger JP, et al. **Reprod Nutr Dev** 1984;24(2):155–64 (Eng. Abstr.) **(Fre)**

[Formation of 17–ketoderivatives of testosterone in the prostate gland and liver of dogs with bacterial uro(urethro)genic prostatitis] Imshinetskaia LP, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):245–8 **(Rus)**

[Incorporation of labeled sex hormones into the ependyma of the mediobasal hypothalamus of rats after intraperitoneal and intraventricular administration] Egorova IF. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):42–7 (Eng. Abstr.) **(Rus)**

[Cytoplasmic and nuclear testosterone receptors in the hypothalamus of androgenized female and castrated male rats] Shishkina IV, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):44–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of testosterone on ram spermatozoa collective motility treated by antimycin A. Ailenberg M, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):133–40

The effects of hormone implants on serum lipoproteins and steroid hormones in bilaterally oophorectomised women. Farish E, et al. **Acta Endocrinol (Copenh)** 1984 May; 106(1):116–20

Influence of Danazol on gonadotropin secretion and synthesis by rat pituitary cells in cultures. Comparison with gonadal steroids. Demoulin A, et al. **Acta Eur Fertil** 1984 Mar–Apr; 15(2):99–109

Influence of hydrocortisone, progesterone and testosterone on dendritic growth in vitro. Manolides LS, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):509–22

Effect of oestradiol dipropionate and testosterone propionate on protein, RNA and DNA contents and RNase and DNase activity in the liver of the toad (Bufo melanosticus). Dasmahapatra AK, et al. **Acta Physiol Hung** 1984; 63(2):127–36

Gonadotropins and gonadal steroids in androgen insensitivity (testicular feminization) syndrome: effects of castration and sex steroid administration. Naftolin F, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):491–6

Neonatal gonadal hormones and blood pressure in the spontaneously hypertensive rat. Cambotti LJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E258–64

Effect of testosterone on gonadotropin response to DBcAMP, cAMP binding, and cAMP production in pituitary cultures. Tang LK, et al. **Am J Physiol** 1984 Sep; 247(3 Pt 1):E312–7

Effects of castration, with and without testosterone replacement, on leg bone integrity in the domestic fowl. Johnson AL, et al. **Am J Vet Res** 1984 Feb;45(2):319–25

Effect of castration and testosterone replacement on high glucose 6–phosphatase activity in principal cells of the mouse epididymis. Kanai K, et al. **Anat Rec** 1983 Oct; 207(2):289–95

The relationship of epithelial cell types in the ventral prostate glands of castrated mice treated with testosterone. Sinha AA, et al. **Anat Rec** 1984 Apr;208(4):533–44

Bromocriptine induced hypoprolactinemia and accessory reproductive glands response to testosterone in castrated male rats. Nag S, et al. **Andrologia** 1983;15 Spec No:560–4

Hormonal control of carbonic anhydrase III. Carter ND, et al. **Ann NY Acad Sci** 1984;429:287–301

Effect of steroid hormones on membrane sugar transport in human spermatozoa. Ballesteros LM, et al. **Arch Androl** 1983 Oct;11(2):95–100

Effect of a single maximal and low multiple doses of testosterone propionate (TP) on male reproductive organs in Long Evans rats. Bari MA, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):17–23

Effects of neonatal testicular hormones on preference behaviour in the rat. Merkx J. **Behav Brain Res** 1984 Apr; 12(1):1–7

Sexual cycles in female dogs treated with androgen during development. Beach FA, et al. **Behav Neural Biol** 1983 May;38(1):1–31

The hamster hippocampal slice: II. Neuroendocrine modulation. Chiaia N, et al. **Behav Neurosci** 1983 Dec; 97(6):839–43

Recovery of masculine copulatory behavior from lesions of the medial preoptic area: effects of age versus hormonal state. Meisel RL. **Behav Neurosci** 1983 Oct;97(5):785–93

Behavior of rhesus monkeys during 28–day cycles of estrogen treatment. Zumpe D, et al. **Behav Neurosci** 1983 Aug; 97(4):615–23

Differential actions of FSH and androgens on progesterone catabolism by rat granulosa cells. Moon YS, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):694–9

Messenger RNAs coding for mouse major urinary proteins are differentially induced by testosterone. Clissold PM, et al. **Biochem Genet** 1984 Apr;22(3–4):379–87

The effect of testosterone on the half–life of ornithine decarboxylase–mRNA in mouse kidney. Laitinen SI, et al. **Biochem Int** 1984 Jul;9(1):45–50

Intestinal oxalate uptake in castrated male and female rats: evidence for altered brush border membrane composition. Sharma V, et al. **Biochem Int** 1984 Jul;9(1):69–75

Differential effects of 2–difluoromethylornithine and methylglyoxal bis(guanylhydrazone) on the testosterone–induced growth of ventral prostate and seminal vesicles of castrated rats. Käpyaho K, et al. **Biochem J** 1984 May 1;219(3):811–7

Tissue kallikrein synthesis and its modification by testosterone or low dietary sodium. Miller DH, et al. **Biochem J** 1984 Feb 15;218(1):37–43

Changes in cytochrome P–450 iron spin state as a function of castration, testosterone or estrogen treatment, vigorous exercise, or starvation. Rispin AS, et al. **Biochem Pharmacol** 1984 May 15;33(10):1619–24

Androgen regulation of nuclear poly(A) polymerase activities in rat ventral prostate. Xu YH, et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):278–82

Regulation by sex hormones of serum levels of contrapsin and alpha 1–antiprotease in the mouse. Yamamoto K, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):231–4

Influence of testosterone and/or luteinizing hormone releasing hormone analogue on precocious sexual development in the juvenile rainbow trout. Crim LW, et al. **Biol Reprod** 1983 Aug;29(1):137–42

Influence of perinatal androgenization on the castration response of adult rats. Johnson LM, et al. **Biol Reprod** 1983 Nov;29(4):819–23

Comparison of the effects of gossypol, estradiol–17 beta and testosterone compensation on male rat reproductive organs. Oko R, et al. **Biol Reprod** 1984 Jun;30(5):1198–207

Hemicastration causes and testosterone prevents enhanced uptake of [3H] thymidine by Sertoli cells in testes of immature rats. Orth JM, et al. **Biol Reprod** 1984 Feb; 30(1):263–70

Neonatal androgenization in the male rat: evidence for central and peripheral defects. Piacsek BE, et al. **Biol Reprod** 1984 Mar;30(2):344–51

Effects of in vivo administration of testosterone propionate on in vitro production of follicle–stimulating hormone and luteinizing hormone by pituitaries of pony mares. Reville–Moroz SI, et al. **Biol Reprod** 1984 Apr;30(3):673–8

Gonadal growth and gonadal hormones do not participate in the development of responsiveness to photoperiod in the golden hamster. Sisk CL, et al. **Biol Reprod** 1983 Sep; 29(2):439–45

Effects of testosterone, dihydrotestosterone and estradiol on gonadotropin release after gonadotropin releasing hormone administration in cyclic mares. Thompson DL Jr, et al. **Biol Reprod** 1983 Nov;29(4):970–6

Uropygial gland of quails, a new and convenient probe for the study of androgen action in sebaceous glands. Daniel JY, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:180–2

The stimulation of hair growth in the flank organs of female hamsters by subcutaneous testosterone propionate and its inhibition by topical cyproterone acetate: dose–response studies. Kaszynski E. **Br J Dermatol** 1983 Nov;109(5):565–9

Pre– and postnatal influence of testosterone propionate and diethylstilbestrol on differentiation of the sexually dimorphic nucleus of the preoptic area in male and female rats. Döhler KD, et al. **Brain Res** 1984 Jun 8;302(2):291–5

Different electrophysiological effects of testosterone on medial preoptic/anterior hypothalamic neurons have similar time courses. Kendrick KM. **Brain Res** 1984 Apr 23;298(1):135–7

Specificity of gonadal hormone modulation of cholinergic enzymes in the avian syrinx. Luine VN, et al. **Brain Res** 1983 Nov 21;279(1–2):339–42

Prenatal exposure of male mice to androgen increases neuron number in the hypogastric ganglion. Suzuki Y, et al. **Brain Res** 1983 Oct;312(1):151–4

Effects of neonatal testosterone administration on anterior pituitary levels of Met5–enkephalin in adult rats. Yoshikawa K, et al. **Brain Res** 1983 Nov 21;279(1–2):343–6

The role of vitamin D in the medullary bone formation in egg–laying Japanese quail and in immature male chicks treated with sex hormones. Takahashi N, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):465–71

Effect of testicular hormones on synthesis of soluble proteins by dog prostate slices. Dubé JY, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):756–63

Estrogen–androgen interaction: selective inhibition of estrogen–induced uterine peroxidase by testosterone and 5 alpha–dihydrotestosterone. Jellinck PH, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):779–83

Effects of endocrine regulation of growth of a mouse mammary tumor on its sensitivity to chemotherapy. Emerman JT, et al. **Cancer Res** 1984 Apr;44(4):1327–32

The role of germinal vesicle in maturation of Pleurodeles waltlii oocytes induced by steroids. Skoblina MN, et al. **Cell Differ** 1984 Jun;14(2):153–7

Changes in metabolism and hepatic ultrastructure induced by estradiol and testosterone in immature female Epinephelus akaara (Teleostei, Serranidae). Ng TB, et al. **Cell Tissue Res** 1984;236(3):651–9

Effect of androgens on plasma somatomedin–C/insulin–like growth factor I responses to growth hormone. Craft WH, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):549–54

Androgenic control of acetate incorporation into phospholipids and triacylglycerols in rat ventral prostate. Del Hoyo, et al. **Comp Biochem Physiol [B]** 1984; 78(1):299–302

Effects of androgens on fertilizing capacity of human spermatozoa. Chan SY, et al. **Contraception** 1983 Nov; 28(5):481–8

Altered responses to androgen in diabetic male rats. Jackson JL, et al. **Diabetes** 1984 Sep;33(9):819–24

Changes in cytosolic androgen receptor after administration of testosterone of androgen–dependent mouse mammary tumor (Shionogi carcinoma) and its sublines of altered androgen dependency. Fuse H, et al. **Endocrinol Jpn** 1983 Apr;30(2):189–97

In vitro effects of estradiol, testosterone or progesterone on luteal steroidogenesis in the pregnant rat. Wada Y, et al. **Endocrinol Jpn** 1984 Apr;31(2):207–15

Hormonal control of prostatic thyrotropin–releasing hormone (TRH) testosterone modulates prostatic TRH concentrations. Bhasin S, et al. **Endocrinology** 1984 Mar; 114(3):946–50

Site of action of androgens on follicle–stimulating hormone–induced aromatase activity in cultured rat granulosa cells. Daniel SA, et al. **Endocrinology** 1984 Jun; 114(6):1975–82

Androgen stimulation of nucleotide pyrophosphatase during mullerian duct regression. Fallat ME, et al. **Endocrinology** 1984 May;114(5):1592–8

Androgen dependence of protein N–glycosylation in rat epididymis. Iusem ND, et al. **Endocrinology** 1984 Apr; 114(4):1448–53

Influence of gonadal steroids on age– and sex–related secretory patterns of growth hormone in the rat. Jansson JO, et al. **Endocrinology** 1984 Apr;114(4):1287–94

Site of androgen inhibition of follicle–stimulating hormone–stimulated progesterone production in porcine granulosa cells. Lischinsky A, et al. **Endocrinology** 1983 Dec;113(6):1999–2003

Testosterone can initiate spermatogenesis in an immature nonhuman primate, Macaca fascicularis. Marshall GR, et al. **Endocrinology** 1984 Jun;114(6):2228–33

The effects of estradiol, tamoxifen, and testosterone on the

weights and histology of the epididymis and accessory sex organs of sexually immature rabbits. Orgebin-Crist MC, et al. **Endocrinology** 1983 Nov;113(5):1703–15

Pituitary gonadotropin-releasing hormone (GnRH) receptor responses to GnRH in hypothalamus-lesioned rats: inhibition of responses by hyperprolactinemia and evidence that testosterone and estradiol modulate gonadotropin secretion at postreceptor sites. Pieper DR, et al. **Endocrinology** 1984 Sep;115(3):1190–6

Androgens regulate brain aromatase activity in adult male rats through a receptor mechanism. Roselli CE, et al. **Endocrinology** 1984 Jun;114(6):2183–9

Control of androgen cytosol receptor concentrations in Sertoli cells: effect of androgens. Sanborn BM, et al. **Endocrinology** 1984 Jun;114(6):2388–93

Metabolic effects of testosterone during prolonged physical exercise and fasting. Guezennec CY, et al. **Eur J Applied Physiol** 1984;52(3):300–4

Testosterone concentration in plasma and its production in the testes of the rat following testosterone, oestradiol and HCG application. Háčik T, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):153–9

Contractile properties of rat fast-twitch skeletal muscle during reinnervation: effects of testosterone and castration. Yeagle SP, et al. **Exp Neurol** 1983 Nov;82(2):344–57

Prenatal stress and postnatal androgen: effects on reproduction in female rats. Herrenkohl LR, et al. **Experientia** 1984 Jan 15;40(1):101–3

Pineal indols and testosterone affect exploratory activity of male rats. Rodriguez M, et al. **Experientia** 1984 Apr 15; 40(4):397–8

Influence of sex and sex steroids on bilirubin uridine diphosphate-glucuronosyltransferase activity of rat liver. Muraca M, et al. **Gastroenterology** 1984 Aug;87(2):308–13

Testosterone stimulation of DNA-dependent DNA polymerase activities in the cloacal and uropygial glands of the male quail (Coturnix coturnix japonica). Abalain JH, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):164–71

Prolactin is associated with the development of photorefractoriness in intact, castrated, and testosterone-implanted starlings. Goldsmith AR, et al. **Gen Comp Endocrinol** 1984 May;54(2):247–55

Control of the hormonal secretions of quail embryo gonads (normal and DES-treated): in vitro effects of testosterone and of hCG. Guichard A, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):347–52

Erythropoietin, testosterone, and thyroxine in the erythropoietic response of the snake, Xenochrophis piscator. Pati AK, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):370–4

Sex differences in the activity of mice: modulation by postnatal gonadal hormones. Broida J, et al. **Horm Behav** 1984 Mar;18(1):65–78

Differences in responsiveness to testosterone of penile reflexes and copulatory behavior of male rats. Hart BL, et al. **Horm Behav** 1983 Sep;17(3):274–83

Differential maintenance of penile responses and copulatory behavior by gonadal hormones in castrated male rats. Meisel RL, et al. **Horm Behav** 1984 Mar;18(1):56–64

The behavioral thresholds of testosterone in castrated male rhesus monkeys (Macaca mulatta). Michael RP, et al. **Horm Behav** 1984 Jun;18(2):161–76

Fetal effects on sexual behavior and aggression in young and old female mice treated with estrogen and testosterone. Rines JP, et al. **Horm Behav** 1984 Jun;18(2):117–29

Neonatal neural organizing effects of exogenous corticosteroids on sexual differentiation of the brain in the female rat. Stylianopoulou F, et al. **Horm Behav** 1983 Sep; 17(3):332–41

Influence of androgen on the development of sexual behavior in the rat. II. Time and dosage of androgen administration during the neonatal period and masculine and feminine copulatory behavior in females. Thomas DA, et al. **Horm Behav** 1983 Sep;17(3):308–15

Dissociation of luteinizing hormone and follicle-stimulating hormone control mechanisms in male and female rats by neonatal administration of estradiol benzoate or testosterone propionate. Aguilar E, et al. **Horm Res** 1984; 19(2):108–16

J chain-positive cells in bursectomized chicks. Moriya O, et al. **Immunol Lett** 1984;7(5):289–91

Alteration of steroid hormone sensitivity during the cultivation of human mammary carcinoma cells. Simon WE, et al. **In Vitro** 1984 Mar;20(3 Pt 1):157–66

Differential androgen requirements of proximal & distal vas deferens of albino rats & possible potentiation of androgen action by ascorbic acid. Chinoy MR, et al. **Indian J Exp Biol** 1983 Jun;21(6):335–8

Studies on polycystic ovaries of neonatally androgenized rats. Shanbhag AB, et al. **Indian J Exp Biol** 1984 Jan;22(1):18–24

Role of testosterone in maintenance of motility & fertilizing ability of spermatozoa in isolated epididymis of castrated rats. Warikoo PK, et al. **Indian J Exp Biol** 1983 May; 21(5):237–41

Testosterone supplementation attenuates the antifertility effects of an LHRH agonist in male rhesus monkeys. Akhtar FB, et al. **Int J Androl** 1983 Oct;6(5):461–8

The hormonal regulation of premeiotic steps of spermatogenesis in the newborn rat. Almirón I, et al. **J Androl** 1984 Jul-Aug;5(4):235–42

Testosterone effects on gonadotropin response to GNRH: cows and pony mares. Thompson DL Jr, et al. **J Anim Sci** 1984 Feb;58(2):409–15

No effect of sex steroids on compensatory muscle hypertrophy. Max SR, et al. **J Appl Physiol** 1984 Jun; 56(6):1589–93

Changes in template-engaged and free RNA polymerase I activities in isolated nuclei from rat ventral prostates after treatment with testosterone and cycloheximide. Suzuki N, et al. **J Biochem (Tokyo)** 1984 May;95(5):1389–98

Kinetics of beta-glucuronidase induction by androgen. Genetic variation in the first order rate constant. Pfister K, et al. **J Biol Chem** 1984 May 10;259(9):5816–20

The effects of sex steroids on ulnar growth during adolescence. Cassoria FG, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):717–20

Effect of testosterone on somatomedin-C concentrations in prepubertal boys. Parker MW, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):87–90

Regulation of pituitary gonadotropin-releasing hormone receptors by pulsatile gonadotropin-releasing hormone injections in male rats. Modulation by testosterone. Garcia A, et al. **J Clin Invest** 1984 Sep;74(3):920–8

Acetylcholinesterase activity in the sexually dimorphic area of the gerbil brain: sex differences and influences of adult gonadal steroids. Commins D, et al. **J Comp Neurol** 1984 Mar 20;224(1):123–31

Effect of exogenous sex steroids upon the number of germ cells and the growth of foetal ovaries grafted under the kidney capsule of adult ovariectomized hamsters. Arrau J, et al. **J Embryol Exp Morphol** 1983 Dec;78:33–42

Relative potencies of testosterone and 5 alpha-dihydrotestosterone on crowing and cloacal gland growth in the Japanese quail (Coturnix coturnix japonica). Balthazart J, et al. **J Endocrinol** 1984 Jan;100(1):19–23

Inhibition by testosterone of prolactin and growth hormone release from chicken anterior pituitary glands in vitro. Hall TR, et al. **J Endocrinol** 1984 Aug;102(2):153–9

Hyperprolactinaemia abolishes sensitivity of stria terminalis neurones to testosterone. Kendrick KM, et al. **J Endocrinol** 1984 Jul;102(1):109–13

Sex differences in behavioural androgen sensitivity: possible role of androgen metabolism. Mode A, et al. **J Endocrinol** 1984 Feb;100(2):245–8

Gonadal steroid modulation of naloxone-induced LH secretion in the rat. Petraglia F, et al. **J Endocrinol** 1984 Apr;101(1):33–9

Effects of pharmacological doses of testosterone and dihydrotestosterone on the hypothalamic-pituitary axis function of Klinefelter patients. Forti G, et al. **J Endocrinol Invest** 1983 Aug;6(4):297–300

Effects of estrogen and testosterone on the metabolism of mevalonate by the shunt pathway. Brady PS, et al. **J Lipid Res** 1983 Sep;24(9):1168–75

Influence of testosterone on protein/peptide secretion as characterized by the formation of granular vesicles in rat and mouse pinealocytes. An in vitro study. Haldar-Misra C, et al. **J Neural Transm** 1983;57(1-2):111–20

Modification of synapses in androgen-sensitive muscle. I. Hormonal regulation of acetylcholine receptor number in the songbird syrinx. Bleisch W, et al. **J Neurosci** 1984 Mar; 4(3):786–92

Influences of neonatal gonadectomy or androgen exposure on the sexual differentiation of the rat ventromedial hypothalamus. Sakuma Y. **J Physiol (Lond)** 1984 Apr; 349:273–86

Changes in insulin binding in rat testis following testosterone and gonadotrophins administration. Saucier J, et al. **J Recept Res** 1983;3(3):439–50

Comparative protective actions of gonadotrophins and testosterone against the antispermatogenic action of ethane dimethanesulphonate. Jackson CM, et al. **J Reprod Fertil** 1984 Jul;71(2):393–401

Effects of short-term treatment with testosterone on the secretion of FSH and LH in castrated golden hamsters exposed to short days. Urbanski HF, et al. **J Reprod Fertil** 1983 Nov;69(2):489–96

Androgen control of the secretion in the sebaceous-like preen gland. Abalain JH, et al. **J Steroid Biochem** 1984 Jan; 20(1):529–31

Testosterone stimulation of mitochondrial aspartate aminotransferase in organ cultures of rat ventral prostate. Franklin RB, et al. **J Steroid Biochem** 1984 Mar; 20(3):709–13

Effect of glucose on the major testosterone-maintained protein in the cultured rat ventral prostate. Härkönen PL, et al. **J Steroid Biochem** 1984 Jan;20(1):505–8

Pituitary androgen receptors and the resistance of long-term castrated rams to the androgenic control of luteinizing hormone (LH) secretion. Schanbacher BD, et al. **J Steroid Biochem** 1984 Jun;20(6A):1227–32

Effects of in vivo administration of steroids on release of 3H2O from [1 beta,2 beta-3H] and [1-3H]androstenedione by isolated rabbit ovarian follicles. YoungLai EV. **J Steroid Biochem** 1983 Nov;19(5):1651–6

Effects of testosterone on the zona fasciculata of the male rat adrenal cortex. A correlated stereological and biochemical study. Mazzocchi G, et al. **J Submicrosc Cytol** 1983 Oct;15(4):991–1005

In vitro growth promotion of human mammary carcinoma cells by steroid hormones, tamoxifen, and prolactin. Simon WE, et al. **JNCI** 1984 Aug;73(2):313–21

The effects of subcutaneous hormone implants during climacteric. Cardozo L, et al. **Maturitas** 1984 Mar; 5(3):177–84

Modification of age-induced changes in heme and hemoproteins by testosterone in male rats. Bitar M, et al. **Mech Ageing Dev** 1983 Nov-Dec;23(3-4):285–96

Plasma lipoprotein responses to castration and androgen substitution in rats. Haug A, et al. **Metabolism** 1984 May; 33(5):465–70

Androgen regulation of prostatic binding protein messenger RNA studied by using cloned complementary DNA. Mpanias OD, et al. **Mol Cell Biochem** 1983;56(2):145–54

Differential, multihormonal regulation of the mouse major urinary protein gene family in the liver. Knopf JL, et al. **Mol Cell Biol** 1983 Dec;3(12):2232–40

Developmental aspects of androgen-dependent mRNA from rat ventral prostate using cloned cDNA. Carter DB, et al. **Mol Cell Endocrinol** 1983 Aug;31(2-3):199–214

Androgen regulation of specific mRNAs, endoplasmic reticulum and Golgi-system. Fawell SE, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):15–27

In vivo estradiol production in postovulatory ovaries is enhanced by administration of testosterone but not by 5 alpha-dihydrotestosterone. Suzuki K, et al. **Mol Cell Endocrinol** 1984 Feb;34(2):121–6

Polyamines regulate calcium fluxes in a rapid plasma membrane response. Koenig H, et al. **Nature** 1983 Oct 6–12; 305(5934):530–4

Sexual behavior in response to testosterone in old long-term-castrated rhesus males. Chambers KC, et al. **Neurobiol Aging** 1983 Fall;4(3):223–7

Testosterone raises LHRH levels exclusively in the median eminence of castrated rats. Kalra PS, et al. **Neuroendocrinology** 1984 Jul;39(1):45–8

Functional asymmetry of the songbird brain: effects of testosterone on song control in adult female canaries (Serinus canarius). Greenspon JM, et al. **Neurosci Lett** 1983 Oct 31;41(1-2):125–31

Inhibition of septal hyperreactivity by testosterone and its reversion by an estrogen antagonist in weanling female rats. Iovino M, et al. **Neurosci Lett** 1983 Sep 30;40(2):151–6

Effect of steroid hormones on arachidonic acid metabolites of endothelial cells. Witter FR, et al. **Obstet Gynecol** 1984 May;63(5):747–51

Sexual dimorphism in the hormonal control of aggressive behavior of rats. DeBold JF, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:89–93

The effects of neonatal androgenization of female hamsters on adult preference for female hamster vaginal discharge. Gregory E, et al. **Physiol Behav** 1983 Dec;31(6):861–4

Androgen induction of ornithine decarboxylase mRNA in mouse kidney as studied by complementary DNA. Kontula KK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):731–5

Genetic control of levels of murine kidney glucuronidase mRNA in response to androgen. Palmer R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7596–600

Investigation of putative androgen-like activity of alpha 2u-globulin in castrated and estrogen-treated male rats. Ekstrom RC, et al. **Proc Soc Exp Biol Med** 1984 Apr; 175(4):491–6

Inhibition of prolactin secretion by moderate and high doses of testosterone. Sinha YN, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):438–43

Differential effects of sex steroids on prostaglandin secretion by male and female cultured piglet endothelial cells. Seillan C, et al. **Prostaglandins** 1983 Jul;26(1):3–12

Influence of sex steroids during early development on aortic 6-keto-PGF1 alpha synthesis in adult rats: selective sensitivity to estrogens. Wey HE, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):415–6

Zinc content in the epididymis, vas deferens, prostate, and seminal vesicles of juvenile rhesus monkey (Macaca mulatta): effect of androgen and estrogen. Srivastava A, et al. **Prostate** 1984;5(2):153–8

The effect of testosterone on the release of endogenous catecholamines from the hypothalamus of the cockerel in vitro. Francis PT, et al. **Psychoneuroendocrinology** 1984; 9(1):69–76

Effects of steroid sex hormones on chick embryo gonads in organ culture, with special reference to hormonal control of gonadal sex differentiation. Jordanov J, et al. **Reprod Nutr Dev** 1984;24(3):221–33

Bone formation in the clitoris of neonatally testosterone treated female dogs. Aucélio JG, et al. **Rev Bras Biol** 1982 Nov;42(4):757–60

Oral testosterone load related to liver function in men with alcoholic liver cirrhosis. Gluud C, et al. **Scand J Gastroenterol** 1983 May;18(3):391–6

The effect of some sex hormones on the isovolumetric pressure curve of the rabbit's left ventricle. de Beer EL, et al. **Steroids** 1983 Jan;41(1):67–77

Androgenic modulation of progesterone metabolism by rat granulosa cells in culture. Duleba AJ, et al. **Steroids** 1983 Sep;42(3):321–30

Neonatal gonadal hormone treatments and adult open-field behavior in female rats. Yoshimura H, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):81–5

[Response of the seminal vesicles of Gobius niger L. to castration, followed or without treatment with free or conjugated testosterone] Bonnin JP. **C R Seances Acad Sci [III]** 1984;298(5):119–22 (Eng. Abstr.) **(Fre)**

[Thymosin-testosterone interaction in spontaneous rosette formation in the baboon monkey (Papio papio)] Binder P,

et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):215–20 (Eng. Abstr.) **(Fre)**

[Peptidases in the kidney of male rats following castration and testosterone substitution] Hammerschmidt R, et al. **Z Mikrosk Anat Forsch** 1984;98(1):137–53 (Eng. Abstr.) **(Ger)**

[Electron microscopic and morphometric studies of the main kidney segment of male and female rats following castration and testosterone substitution] Herbert M. **Z Mikrosk Anat Forsch** 1983;97(2):189–239 (Eng. Abstr.) **(Ger)**

[Modulation of antibody response by sex hormones] Ikemoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2404–13 (Eng. Abstr.) **(Jpn)**

[A possible involvement of sex hormones in the regulation of antibody-dependent cell-mediated hepatocytotoxicity: a possible role of interleukin-1] Katoh H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1398–404 (Eng. Abstr.) **(Jpn)**

[The effects of sex hormones on the macrophage-mediated hepatocytotoxicity] Mizoguchi Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2542–6 (Eng. Abstr.) **(Jpn)**

[Effect of sex hormones on the lacrimal gland. Effect of testosterone, estradiol and both hormones together on the morphological appearance of the lacrimal gland in the castrated rat] Krawczuk-Hermanowiczowa O. **Klin Oczna** 1983 Oct;85(10):337–9 (Eng. Abstr.) **(Pol)**

[Effect of testosterone on the rate of total protein synthesis in the reproductive tract of rabbit embryos in vitro] Ivanova EA. **Biull Eksp Biol Med** 1984 Aug;97(8):233–4 (Eng. Abstr.) **(Rus)**

[Effect of prolonged administration of sex steroids on the L-leucineaminopeptidase activity of the hypothalamus, cerebral cortex and amygdala of intact and ovariectomized rats] Montilla P, et al. **Arch Neurobiol (Madr)** 1984 Jan–Feb; 47(1):29–36 (Eng. Abstr.) **(Spa)**

[Hormonal influence on rat vas deferens responses induced by field stimulation] Beneit JV, et al. **Rev Esp Fisiol** 1983 Dec;39(4):429–34 (Eng. Abstr.) **(Spa)**

[Effect of pineal indoles and testosterone on sex behavior] Rodríguez M, et al. **Rev Esp Fisiol** 1984 Mar;40(1):31–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Testosterone and dihydrotestosterone concentrations in elephant serum and temporal gland secretions. Rasmussen LE, et al. **Biol Reprod** 1984 Mar;30(2):352–62

Hormonal regulation of adult sympathetic neurons: the effects of castration on tyrosine hydroxylase activity. Hamill RW, et al. **Brain Res** 1984 May 14;299(2):331–7

Hormonal regulation of sympathetic neuron development. The effects of neonatal castration. Hamill RW, et al. **Brain Res** 1983 Dec;313(2):303–7

Aromatization: important for testosterone's developmental influences on the neurocircuits mediating cervically stimulated prolactin secretion in the female rat. Krey LC, et al. **Brain Res** 1983 Sep 5;274(1):188–92

Sex-related difference in substance P level in rat anterior pituitary: a model of neonatal imprinting by testosterone. Yoshikawa K, et al. **Brain Res** 1983 Aug 29;273(2):362–5

The brain-pituitary-gonadal axis in the rainbow trout, Salmo gairdneri. II. Direct effect of gonadal steroids on the gonadotropic cells. Gielen JT, et al. **Cell Tissue Res** 1983; 233(2):377–88

External factors controlling annual testosterone and thyroxine cycles in the edible dormouse Glis glis. Jallageas M, et al. **Comp Biochem Physiol [A]** 1984;77(1):161–7

Effects of adrenocorticotropin and corticosterone on the negative feedback action of testosterone in the adult male rat. Vreeburg JT, et al. **Endocrinology** 1984 Sep; 115(3):977–83

Evidence for androgen independence of male mounting behavior in white-crowned sparrows (Zonotrichia leucophrys gambelii). Moore MC, et al. **Horm Behav** 1983 Dec;17(4):414–23

Hormonal influence on the secretory immune system of the eye: androgen control of secretory component production by the rat exorbital gland. Sullivan DA, et al. **Immunology** 1984 Jun;52(2):234–46

Nippostrongylus brasiliensis: effects of testosterone on reproduction and establishment. Swanson JA, et al. **Int J Parasitol** 1984 Jun;14(3):241–7

Testicular hormones and intermale aggressive behaviour in the presence of a female rat. Taylor GT, et al. **J Endocrinol** 1984 Mar;100(3):315–21

Endocrine dependence of prostatic cancer upon dihydrotestosterone and not upon testosterone. Petrow V, et al. **J Pharm Pharmacol** 1984 May;36(5):352–3

Testosterone control of brain and anterior pituitary beta-adrenergic receptors. Petrovic SL, et al. **Life Sci** 1984 Jun 11;34(24):2399–406

Math genius may have hormonal basis [news] Kolata G. **Science** 1983 Dec 23;222(4630):1312

[Effect of 17 beta-estradiol, progesterone and testosterone on Dipetalonema vitae parasitosis in the castrated female golden hamster Cricetus auratus] Reynouard F, et al. **Ann Parasitol Hum Comp** 1984;59(3):237–44 (Eng. Abstr.) **(Fre)**

[Androgens as factors of placental growth] Warchol A, et al. **Endokrynol Pol** 1984;35(1):11–23 (Eng. Abstr.) **(Pol)**

[Effect of testosterone on ethanol oxidation during chronic alcoholism in castrated rats] Lakoza GN, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):82–6 (Eng. Abstr.) **(Rus)**

[Hormonal regulation of the processes of growth and sexual maturation in girls with accelerated physical development] Mozheiko LN, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):31–5 (Eng. Abstr.) **(Rus)**

[Androgen induction of specific estrogen-binding protein of rat liver: relationship between the stage of ontogenesis and various endocrine factors] Smirnova OV, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):65–70 (Eng. Abstr.) **(Rus)**

SECRETION

Testosterone-secreting adrenal ganglioneuroma containing Leydig cells. Aguirre P, et al. **Am J Surg Pathol** 1983 Oct; 7(7):699–705

Developmental change in the ability of estradiol to suppress testosterone secretion by the testis of the rat. Bendeck MP, et al. **Biol Reprod** 1984 May;30(4):816–23

Role of catecholamines in the inhibitory effect of immobilization stress on testosterone secretion in rats. Collu R, et al. **Biol Reprod** 1984 Mar;30(2):416–22

Effect of the antifertility agent, gossypol acetic acid, on the metabolism and testosterone secretion of isolated rat interstitial cells in vitro. Paz GF, et al. **Contraception** 1984 Jun;29(6):543–52

Effects of aminoglutethimide on luteinizing hormone and steroid secretion, and ovulation in the hen, Gallus domesticus. Johnson AL, et al. **Endocrinology** 1984 Jun; 114(6):2276–83

Adrenal and placental steroid secretion during pregnancy in the rat. Macdonald GJ, et al. **Endocrinology** 1984 Jun; 114(6):2068–73

LH receptor in testosterone-producing ovarian tumor. In vivo and in vitro HCG-stimulated testosterone production. Gutierrez S, et al. **Eur J Gynaecol Oncol** 1983;4(3):182–91

The stimulatory effect of corticotrophin on testicular testosterone release in male rabbits. Pitzel L, et al. **Exp Clin Endocrinol** 1984 May;83(3):297–302

The effect of prolactin on estradiol-17 beta and testosterone plus 5 alpha-dihydrotestosterone secretion by porcine luteal cells in vitro. Przała J, et al. **Exp Clin Endocrinol** 1984 May;83(3):343–8

Endocrine activity in a large hibernoma. Allegra SR, et al. **Hum Pathol** 1983 Dec;14(12):1044–52

In vitro testosterone secretion by testicular tissue from young bulls and the effects of chronic and acute exposure to estradiol-17 beta. D'Occhio MJ, et al. **J Anim Sci** 1984 Apr;58(4):949–54

Blockade of neonatal activation of the pituitary-testicular axis with continuous administration of a gonadotropin-releasing hormone agonist in male rhesus monkeys. Mann DR, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):207–11

Influence of continuous gonadotropin-releasing hormone (GnRH) agonist treatment on luteinizing hormone and testosterone secretion, the response to GnRH, and the testicular response to human chorionic gonadotropin in male rhesus monkeys. Mann DR, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):262–7

Effect of immunoneutralization of LH releasing hormone on LH, FSH and ovarian steroid secretion in the preovulatory phase of the oestrous cycle in the ewe. McNeilly AS, et al. **J Endocrinol** 1984 May;101(2):213–9

Effects of sulpiride induced hyperprolactinemia on testosterone secretion and metabolism before and after HCG in normal men. Bernini GP, et al. **J Endocrinol Invest** 1983 Aug;6(4):287–91

In vivo chorionic gonadotropin administration reverses the testosterone secretory defect of Leydig cells from old rats. Tsitouras PD, et al. **J Gerontol** 1984 May;39(3):257–63

Testosterone-producing adrenal adenoma in a woman with normal urinary 17-ketosteroid levels. Dolinar R, et al. **JAMA** 1983 Nov 11;250(18):2504–5

Effect of a potent gonadotropin releasing hormone antagonist on pulsatile testosterone and gonadotropin secretion in the male nonhuman primate. Bercu BB, et al. **Life Sci** 1984 Jul 23;35(4):381–7

Inhibition of in vitro human chorionic gonadotropin-stimulated testosterone production in testis and of ovulation in the rat by charcoal-treated rat testicular extract. de Bellabarba GA, et al. **Life Sci** 1984 Jan 16; 34(3):273–80

Effects of monoamine neurotoxins injected in different brain areas on gonadotropin and androgen secretion in the male. Mas M, et al. **Neuroendocrinology** 1984 Aug;39(2):156–61

Role of testosterone secretion and penile reflexes in sexual behavior and sperm competition in male rats: a theoretical contribution. Hart BL. **Physiol Behav** 1983 Dec;31(6):823–7

[Case of testosterone-producing adrenal cortical adenoma] Tanaka M, et al. **Kaku Igaku** 1983 Dec;20(10):1475–8 **(Jpn)**

[Numerical analysis of biorhythms in endocrinology] Stanuch H, et al. **Endokrynol Pol** 1983;34(5):321–8 (Eng. Abstr.) **(Pol)**

[Endocrine function of the reproductive system in girls with amenorrhea and weight loss] Dolzhenko IS. **Akush Ginekol (Mosk)** 1983 Jul;(7):17–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Short stature and pubertal delay in male adolescents with cystic fibrosis. Androgen treatment. Landon C, et al. **Am J Dis Child** 1984 Apr;138(4):388–91

Treatment of asthenozoospermia by intratesticular testosterone therapy. Fahim MS, et al. **Arch Androl** 1983 Aug;11(1):81–4

Effects of naloxone on gonadotropin secretion in castrated young males before and after testosterone treatment. Foresta C, et al. **Horm Metab Res** 1983 Nov;15(11):567–8

Heterogeneity of sperm density profiles following 20-week therapy with high-dose LHRH analog plus testosterone. Rabin D, et al. **J Androl** 1984 May–Jun;5(3):176–80

Effects of an LHRH agonist analog upon sexual function in male dogs. Suppression, reversibility, and effect of testosterone replacement. Vickery BH, et al. **J Androl** 1984 Jan–Feb;5(1):28–42

Modulation of pulsatile gonadotropin secretion by testosterone in man. Matsumoto AM, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):609–14

Micropenis: adult follow-up and comparison of size against new norms. Money J, et al. **J Sex Marital Ther** 1984 Summer;10(2):105–16

Hormone receptor in renal cell carcinoma and correlation with clinical response to endocrine therapy. Nakano E, et al. **J Urol** 1984 Aug;132(2):240–5

Serum levels of sex hormones in vulvar lichen sclerosus, and the effect of topical testosterone. Friedrich EG Jr, et al. **N Engl J Med** 1984 Feb 23;310(8):488–91

Testosterone treatment and arginine-induced growth hormone stimulation in male delayed puberty: effects on serum calcium, phosphate and vitamin D metabolites. Hyldstrup L, et al. **Scand J Clin Lab Invest** 1984 Jun; 44(4):335–9

[Therapy of metastasizing kidney cancer with hormones (androgens). A retrospective study] Flamm J. **Z Urol Nephrol** 1983 Jun;76(6):407–11 (Eng. Abstr.) **(Ger)**

[Clinical effects of metharmon F for postmenopausal women with climacteric symptoms: its relationship with serum level of hormones] Yoshimoto S, et al. **Horumon To Rinsho** 1983 Aug;31(8):815–22 **(Jpn)**

TOXICITY

Effect of blinding on the growth of reproductive organs in male rats treated neonatally with testosterone propionate. Vaněček J, et al. **Physiol Bohemoslov** 1984;33(1):75–80

URINE

Increased urinary androgen excretion is a hormonal abnormality detectable before the clinical onset of breast cancer. Secreto G, et al. **Cancer Detect Prev** 1983; 6(4–5):435–8

Thin-layer chromatographic determination of urinary testosterone, epitestosterone and androstenedione. Jagarinec N, et al. **J Chromatogr** 1983 Oct 14;277:314–20

Musth and urinary testosterone concentrations in the African elephant (Loxodonta africana). Poole JH, et al. **J Reprod Fertil** 1984 Jan;70(1):255–60

Small groups in programmed environments. Behavioral and biological interactions. Emurian HH, et al. **Pavlov J Biol Sci** 1983 Oct–Dec;18(4):199–210

Long-term response to ovariectomy in 35 premenopausal patients with advanced breast cancer, treated in coherence with hormonal tests. Preda F, et al. **Tumori** 1983 Aug 31; 69(4):343–7

TESTOSTERONE 5-ALPHA-REDUCTASE see under **OXIDOREDUCTASES**

TESTOSTERONE BINDING GLOBULIN see **SEX HORMONE BINDING GLOBULIN**

TESTOSTERONE DEHYDROGENASES see under **17-HYDROXYSTEROID DEHYDROGENASES**

TESTOSTERONE ESTRADIOL BINDING GLOBULIN see **SEX HORMONE BINDING GLOBULIN**

TESTOSTERONE PROPIONATE see **TESTOSTERONE**

TETANUS

see related
TRISMUS

Tetanus in northern Alabama. Harris LF. **Ala Med** 1983 Dec; 53(6):14–6

Tetanus update [letter] **J Assoc Physicians India** 1983 Mar; 31(3):183–4

COMPLICATIONS

Atrial pacing in tetanus. Brand GR, et al. **Anaesth Intensive Care** 1984 Feb;12(1):63–5

Hyperadrenergic syndrome in severe tetanus: extreme rise in catecholamines responsive to labetalol. Domenighetti GM, et al. **Br Med J [Clin Res]** 1984 May 19; 288(6429):1483–4

Apparent traumatic perforation of the bowel in tetanus. A case report. James MF, et al. **S Afr Med J** 1984 Apr 28; 65(17):700–1

[Fatal cramps in a young woman] Kok JG, et al. **Ned Tijdschr Geneeskd** 1984 Feb 25;128(8):337–9 **(Dut)**
[A case of generalized tetanus in old age in a hypertensive diabetic and obese woman: description and treatment] De Angelis C, et al. **Clin Ter** 1984 Mar 31;108(6):531–3 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Tetanus [clinical conference] Lutkus ER, et al. **Ann Emerg Med** 1984 Mar;13(3):186–8
Cephalic tetanus studied with single fibre EMG. Fernandez JM, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep; 46(9):862–6
Tetanus mimicking 'pseudotetanus'. D'Angelo LJ, et al. **South Med J** 1984 Aug;77(8):1052–3
[Diagnosis and prevention of tetanus. A simplified guide] Carrada-Bravo T. **Bol Med Hosp Infant Mex** 1983 Jun; 40(6):308–14 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effect of ascorbic acid in the treatment of tetanus. Jahan K, et al. **Bangladesh Med Res Counc Bull** 1984 Jun; 10(1):24–8
Pyridoxine therapy in tetanus neonatorum. Hajailay R, et al. **Indian Pediatr** 1983 Dec;20(12):935–9
High dosage diazepam as single antispasmodic agent in the treatment of neonatal tetanus. Sugitha N, et al. **Paediatr Indones** 1983 Sep–Oct;23(9–10):163–72
[Test of the efficacy of low-molecular tetanus antitoxin] Aleksevich IaI, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):139–42 (Eng. Abstr.) **(Rus)**
[Neonatal tetanus: report of 5 cases and discussion of its current management] Udaeta-Mora E, et al. **Bol Med Hosp Infant Mex** 1983 Jul;40(7):379–85 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Tetanus complicating an open trimalleolar fracture. A case report. Buchman MT, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):139–41
Tetanus: an unusual source and site of infection. Earis JE, et al. **J Infect** 1983 Jul;7(1):72–3
Postoperative tetanus [letter] Crokaert F, et al. **Lancet** 1984 Jun 30;1(8392):1466
Tetanus after elective cholecystectomy and exploration of the common bileduct [letter] Lennard JW, et al. **Lancet** 1984 Jun 30;1(8392):1466–7
Postoperative tetanus [letter] Parker L, et al. **Lancet** 1984 Aug 18;2(8399):407
Neonatal tetanus: mode of infection, prevalence, and prevention in southern Sudan. Woodruff AW, et al. **Lancet** 1984 Feb 18;1(8373):378–9
Tetanus after anorectal abscess. Myers KJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):429–30
[Localized tetanus after esophagogastrectomy] Becq-Giraudon B, et al. **J Chir (Paris)** 1983 Oct; 120(10):543–5 (Eng. Abstr.) **(Fre)**
[Postserum cephalic tetanus. A case after anatoxin therapy and homologous serotherapy (letter)] Lallement PY, et al. **Presse Med** 1984 Mar 3;13(9):562 **(Fre)**
[Tetanus from machwa wounds] Heiman S, et al. **Harefuah** 1983 Aug;105(3–4):63–5 (Eng. Abstr.) **(Heb)**
[Unusual course of localized tetanus] Kostrzewski JM. **Przegl Epidemiol** 1983;37(3–4):463–5 (Eng. Abstr.) **(Pol)**
[A case of generalized tetanus following tooth extraction] Slepchenko MA, et al. **Voen Med Zh** 1983 Nov;(11):62 **(Rus)**

IMMUNOLOGY

Determination of immunity against tetanus infection by passive haemagglutination assay. Marconi P, et al. **Boll Ist Sieroter Milan** 1983;62(6):567–74
Antibody synthesis by bone marrow cells in vitro following primary and booster tetanus toxoid immunization in humans. Kodo H, et al. **J Clin Invest** 1984 May; 73(5):1377–84
A new rapid semi-quantitative enzyme immunoassay suitable for determining immunity to tetanus. Chandler HM, et al. **J Infect** 1984 Mar;8(2):137–44
[Screening of carriers of antitetanus antibodies in blood donors] Hoang B, et al. **Rev Fr Transfus Immunohematol** 1984 Feb;27(1):91–5 (Eng. Abstr.) **(Fre)**
[Standardization and stability of reagents for the titration of anti-tetanus antibodies by means of the passive hemagglutination technic] Bella G, et al. **Boll Ist Sieroter Milan** 1983;62(6):559–66 (Eng. Abstr.) **(Ita)**
[Study of antitetanus immunity in a population sample] Cavani E, et al. **Boll Ist Sieroter Milan** 1983 Mar 31; 62(1):91–5 (Eng. Abstr.) **(Ita)**
[Antitetanus immunity in children] Prete C, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):96–9 (Eng. Abstr.) **(Ita)**
[Importance of monitoring specific antibody serum titers for optimal passive immune protection in the tetanic patient] Pitzurra M, et al. **Minerva Anestesiol** 1983 Oct; 49(10):597–604 (Eng. Abstr.) **(Ita)**
[Levels of anti-diphtheria and anti-tetanus antibodies in a sample of Neapolitan children] Schioppa F, et al. **Nuovi Ann Ig Microbiol** 1982 Jan–Feb;33(1):33–40 (Eng. Abstr.) **(Ita)**
[Use of the indirect hemagglutination test for studying the status of immunity to tetanus] Fomina LV. **Tr Inst Pastera** 1981;56:96–7 (4 ref.) **(Rus)**
[Determination of the antitoxic immunity status against diphtheria and tetanus using the indirect hemagglutination test] Sliusar' LI, et al. **Tr Inst Pastera** 1981;56:94–5 **(Rus)**
[Immunity to diphtheria and tetanus in some of the administrative territories of the RSFSR] Maksimova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr; (4):58–63 (Eng. Abstr.) **(Rus)**
[Guinea pig resistance to infection by the spores of the tetanus causative agent at various levels of tetanus antitoxin and delayed hypersensitivity] Stovbun SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):105–8 (Eng. Abstr.) **(Rus)**

METABOLISM

The metabolic response and problems with nutritional support in acute tetanus. O'Keefe SJ, et al. **Metabolism** 1984 May;33(5):482–7
[Energy and gas exchange in tetanus intoxication] Alekseyich IaI, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):61–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Neonatal tetanus in Zaria, Northern Nigeria. Osuhor PC. **Indian J Public Health** 1983 Jan–Mar;27(1):32–7
Tetanus on the decline. Patel JC, et al. **J Assoc Physicians India** 1984 Mar;32(3):265–6
Neonatal tetanus in Accra [letter] Neequaye J. **Lancet** 1984 Jul 28;2(8396):224–5
Tetanus in Victoria, 1957–1980. Review of 106 patients managed in one hospital. Newton-John HF. **Med J Aust** 1984 Feb 18;140(4):194–200
Botulism and tetanus: selected epidemiologic and microbiologic aspects. Dowell VR Jr. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S202–7 (29 ref.)
[Epidemiology of tetanus] Ribero ML, et al. **Boll Ist Sieroter Milan** 1983;62(6):543–9 (Eng. Abstr.) **(Ita)**
[Epidemiological characteristics of tetanus in Volyn Province in the period 1950 to 1980] Bogomolov FI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):112–3 **(Rus)**
[Cartographic method in the epidemiological study of infections and infestations. III. The study of patterns of tetanus spread in relation to edaphic factors] Rudichenko VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb; (2):73–9 (Eng. Abstr.) **(Rus)**
[Neonatal tetanus—a study from a West African hospital] Lindell P. **Lakartidningen** 1983 Jul 27;80(30–31):2818–21 **(Swe)**

PATHOLOGY

[Tetanus. Apropos a case] Guillois B, et al. **Pediatrie** 1984 Jan–Feb;39(1):39–42 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Cardiovascular findings in a patient with severe tetanus. De Michele DJ, et al. **Crit Care Med** 1983 Oct;11(10):828–9
Tetanus: sympathetic overactivity [letter] Domenighetti GM, et al. **Crit Care Med** 1984 Aug;12(8):698
Renal function in tetanus. Hariparsad D, et al. **Intensive Care Med** 1984;10(2):67–70
Evaluation of left ventricular performance during sympathetic nervous storm in a case with severe tetanus by transesophageal M-mode echocardiography. Matsumoto M, et al. **Intensive Care Med** 1984;10(4):201–2
Sympathetic hyperactivity in tetanus [letter] Ravizza AG, et al. **Intensive Care Med** 1983;9(6):349–50
Atypical tetanus—towards an understanding. Dastur FD, et al. **J Postgrad Med** 1983 Apr;29(2):59–61
[Sympathetic overactivity in a patient with tetanus] Imai T, et al. **Masui** 1983 Sep;32(9):1127–31 (Eng. Abstr.) **(Jpn)**
[Ventilation and oxygenation in severe tetanic processes] Montero Benzo R, et al. **Rev Esp Anestesiol Reanim** 1983 Jul–Aug;30(4):139–44 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Tetanus immunization of adult members of an HMO. Mullooly JP. **Am J Public Health** 1984 Aug;74(8):841–2
Follow-up study: protective immunization in the elderly [letter] Ruben FL, et al. **Am J Public Health** 1983 Nov; 73(11):1330
Prophylaxis of experimental tetanus with erythromycin. Bittner J, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec;42(4):289–96
Mammalian bites. Edlich RF, et al. **Compr Ther** 1983 Dec; 9(12):41–7 (20 ref.)
Strategies for the control of neonatal tetanus. Kessel E. **J Trop Pediatr** 1984 Jun;30(3):145–9
Preventing neonatal tetanus: failure of the possible [letter] Galazka A, et al. **Lancet** 1984 Apr 7;1(8380):789–90
Chloroquine prophylaxis and antibody response to immunisation [letter] Greenwood BM. **Lancet** 1984 Aug 18;2(8399):402–3
Antitetanus prophylaxis [letter] **N Engl J Med** 1984 Feb 16; 310(7):466–7
The dynamics of tetanus epidemiology and control in rural Uttar Pradesh studied through computer simulation. Sharma M, et al. **Soc Sci Med** 1984;18(4):303–13
[Development of diseases with compulsory vaccination] Levy C. **Cah Sociol Demogr Med** 1984 Jan–Mar;24(1):43–71 **(Fre)**
[The use of passive hemagglutination with turkey erythrocytes for the effective prevention of tetanus in wounded patients] Bistoni F, et al. **Boll Ist Sieroter Milan** 1983;62(6):575–9 (Eng. Abstr.) **(Ita)**
[Anti-tetanus vaccines] Bizzini B. **Boll Ist Sieroter Milan** 1983;62(6):550–4 (Eng. Abstr.) **(Ita)**
[Prevention of tetanus: regulations, indications and protocol of treatment] Cacciapuoti B. **Boll Ist Sieroter Milan** 1983; 62(6):555–8 (Eng. Abstr.) **(Ita)**
[The prevention of tetanus in emergency care units] Mastroeni I, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec; 33(4–6):681–7 (Eng. Abstr.) **(Ita)**
[The basis for the correct administration of preventive doses of antitetanus serum] Ercegovac DT. **Srp Arh Celok Lek** 1983 Mar;111(3):305–13 (Eng. Abstr.) **(Scc)**

THERAPY

Efficacy of intravenous immunoglobulin preparations against viral and bacterial infections in mouse protection tests. Stephan W, et al. **Infection** 1983 Jul–Aug;11(4):227–31
The true meaning of trismus: a review of tetanus. Slaton GD, et al. **J Arkansas Med Soc** 1983 Aug;80(3):133–9
Nosocomial postoperative tetanus infection. Brill LR, et al. **J Foot Surg** 1984 May–Jun;23(3):235–9
Treatment of tetanus neonatorum in a rural setting. Yong YF. **Med J Malaysia** 1983 Mar;38(1):74–6
[Treatment of neonatal tetanus in Africa] Sow A. **Dakar Med** 1983;28(3):483–96 (Eng. Abstr.) **(Fre)**
[Specific treatment of tetanus with a fraction—F(ab')—of the antitetanus immunoglobulin injected intrathecally] Veronesi R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Aug;38(4):147–9 (Eng. Abstr.) **(Por)**
[Case of successful treatment of a patient with an extremely severe form of gynecologic tetanus] Rabinovich VL, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):58–9 **(Rus)**
[Successful treatment of tetanus in a late middle-aged person] Tliusten RIu, et al. **Vestn Khir** 1984 Jun;132(6):55–6 **(Rus)**
[Our experience in resuscitation in tetanus. Apropos of 125 cases] Montero Benzo R, et al. **Rev Esp Anestesiol Reanim** 1983 Sep–Oct;30(5):196–203 (Eng. Abstr.) **(Spa)**
[Tetanus in the aged. Apropos of a case] Santatecla V, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):252–4 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Increased incidence of tetanus from intramuscular injections [letter] Garcés-Brusés J, et al. **J Infect Dis** 1984 Apr; 149(4):659–60

VETERINARY

Parturition in a bitch with tetanus. Arthur JE, et al. **Aust Vet J** 1984 Apr;61(4):126–7
Comparison of oil adjuvant and aluminium phosphate-adsorbed toxoid for the passive immunization of lambs against tetanus. Cameron CM, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):229–31

TETANUS ANTITOXIN

The stability of tetanus antitoxin at various temperatures. Gupta RK, et al. **J Biol Stand** 1983 Oct;11(4):365–8
Characterization of human hybridomas secreting antibody to tetanus toxoid. Larrick JW, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6376–80

ADMINISTRATION & DOSAGE

Intrathecal administration of tetanus antiserum [letter] Shann F. **Med J Aust** 1983 Dec 10–24;2(12):604–5
[The basis for the correct administration of preventive doses of antitetanus serum] Ercegovac DT. **Srp Arh Celok Lek** 1983 Mar;111(3):305–13 (Eng. Abstr.) **(Scc)**

ADVERSE EFFECTS

[Postserum cephalic tetanus. A case after anatoxin therapy and homologous serotherapy (letter)] Lallement PY, et al. **Presse Med** 1984 Mar 3;13(9):562 **(Fre)**
[Cutaneous pseudolymphoma arising after an injection of antigenic matter] Serra L, et al. **Pathologica** 1983 Jul–Aug; 75(1038):565–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

Factors affecting the biological assay of tetanus antitoxin. Gupta RK, et al. **Indian J Pathol Microbiol** 1983 Jan; 26(1):55–8
The titration of tetanus antitoxin I. Factors affecting the sensitivity of the indirect haemagglutination test. Gupta RK, et al. **J Biol Stand** 1984 Jan;12(1):11–7
The titration of tetanus antitoxin II. A comparative

evaluation of the indirect haemagglutination and toxin neutralization tests. Gupta RK, et al. **J Biol Stand** 1984; 12(2):137–43

The titration of tetanus antitoxin III. A comparative evaluation of indirect haemagglutination and toxin neutralization titres of human sera. Gupta RK, et al. **J Biol Stand** 1984;12(2):145–9

Comparison of ELISA and toxin neutralization for the determination of tetanus antibodies. Hagenaars AM, et al. **J Immunoassay** 1984;5(1–2):1–11

Determination of relating factors on the levels of tetanus antitoxin in adult. Sangpetchsong V, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:1–7

[Determination of the antitoxic immunity status against diphtheria and tetanus using the indirect hemagglutination test] Sliusar' LI, et al. **Tr Inst Pastera** 1981;56:94–5 **(Rus)**

[Guinea pig resistance to infection by the spores of the tetanus causative agent at various levels of tetanus antitoxin and delayed hypersensitivity] Stovbun SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):105–8 (Eng. Abstr.) **(Rus)**

[Development of the production of specific human immunoglobulins. II. Comparison of 3 technics for in vivo and in vitro titration of tetanus antitoxin] Pérez de la Mora C, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec; 25(4):213–20 (Eng. Abstr.) **(Spa)**

[Development of the production of specific human immunoglobulins. I. Titration of tetanus antitoxin in the process of obtaining normal human immunoglobulins] Pérez de la Mora C, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):145–54 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Studies on the antibody composition and neutralizing activity of tetanus antitoxin sera from various species of animals in relation to the antigenic substructure of the tetanus toxin molecule. Matsuda M, et al. **Biken J** 1983 Dec;26(4):133–43

Human lymphoblastoid cell line producing protective monoclonal IgG1, kappa anti-tetanus toxin. Tiebout RF, et al. **Eur J Immunol** 1984 May;14(5):399–404

The determination of the potency of human tetanus immunoglobulins by an enzyme-linked immunosorbent assay. Gentili G, et al. **J Biol Stand** 1984;12(2):167–73

THERAPEUTIC USE

[Specific treatment of tetanus with a fraction—F(ab')—of the antitetanus immunoglobulin injected intrathecally] Veronesi R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Aug;38(4):147–9 (Eng. Abstr.) **(Por)**

[Test of the efficacy of low-molecular tetanus antitoxin] Aleksevich IaI, et al. **Biull Eksp Biol Med** 1984 Feb; 97(2):139–42 (Eng. Abstr.) **(Rus)**

TETANUS TOXIN

ADMINISTRATION & DOSAGE

[Effect of tetanus toxin on the plasma levels of protein fractions and electrolytes in guinea pigs] Osiniak M, et al. **Med Dosw Mikrobiol** 1983;35(1):71–5 (Eng. Abstr.) **(Pol)**

[Effect of tetanus toxin on the transaminase activity in the liver and amino-nitrogen content of the plasma and erythrocytes in guinea pigs] Osiniak M, et al. **Med Dosw Mikrobiol** 1983;35(1):77–81 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Fragment C of tetanus toxin antagonizes the neuromuscular blocking properties of native tetanus toxin. Simpson LL. **J Pharmacol Exp Ther** 1984 Mar;228(3):600–4

Effects of tetanus toxin after intracerebral microinjection are antagonized by drugs enhancing GABAergic transmission in adult fowls. Focà A, et al. **Neuropharmacology** 1984 Feb; 23(2A):155–8

GENETICS

The structural gene for tetanus neurotoxin is on a plasmid. Finn CW Jr, et al. **Science** 1984 May 25;224(4651):881–4

IMMUNOLOGY

Analysis of the immune response to papain digestion products of tetanus toxin. Helting TB, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):59–63

Studies on the antibody composition and neutralizing activity of tetanus antitoxin sera from various species of animals in relation to the antigenic substructure of the tetanus toxin molecule. Matsuda M, et al. **Biken J** 1983 Dec;26(4):133–43

Monoclonal antibodies as probes of tetanus toxin structure and function. Kenimer JG, et al. **Infect Immun** 1983 Dec; 42(3):942–8

Production and characterization of monoclonal antibodies to tetanus toxin. Sheppard AJ, et al. **Infect Immun** 1984 Feb;43(2):710–4

Neutralization of tetanus toxin by distinct monoclonal antibodies binding to multiple epitopes on the toxin molecule. Volk WA, et al. **Infect Immun** 1984 Sep; 45(3):604–9

ISOLATION & PURIFICATION

Affinity chromatographic purification and characterization of two iodinated tetanus toxin fractions exhibiting different binding properties. Lazarovici P, et al. **Toxicon** 1984; 22(3):401–13

METABOLISM

Botulinum toxin and tetanus toxin recognize similar membrane determinants. Simpson LL. **Brain Res** 1984 Jul 2;305(1):177–80

Neuronal acquisition of tetanus toxin binding sites: relationship with the last mitotic cycle. Koulakoff A, et al. **Dev Biol** 1983 Dec;100(2):350–7

Binding of tetanus toxin to somatic neural hybrid cells with varying ganglioside composition. Yavin E, et al. **J Neurochem** 1984 May;42(5):1313–20

Ultrastructural immunocytochemistry of tetanus toxin binding sites to spinal ganglia of chick embryo in tissue culture. Shinoda S, et al. **Neurol Med Chir (Tokyo)** 1984 Jan;24(1):1–4

Tetanus toxin binding to different morphological phenotypes of cultured rat and bovine adrenal medullary cells. Lietzke R, et al. **Neurosci Lett** 1983 Aug 8;38(3):233–8

PHARMACODYNAMICS

Action of tetanus toxin on cholinergic neuroblastoma X glioma hybrid cells: selective blockade of Ca spikes. Sugimoto N, et al. **Biken J** 1983 Dec;26(4):145–54

Tetanus toxin blocks Ca spikes in neuroblastoma clone N1E-115 cells. Sugimoto N, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):788–93

Tetanus toxin: a rapid and selective blockade of the calcium, but not sodium, component of action potentials in cultured neuroblastoma N1E-115 cells. Higashida H, et al. **Brain Res** 1983 Nov 21;279(1–2):363–8

Tetanus toxin: convulsant action on mouse spinal cord neurons in culture. Bergey GK, et al. **J Neurosci** 1983 Nov; 3(11):2310–23

The binding fragment from tetanus toxin antagonizes the neuromuscular blocking actions of botulinum toxin. Simpson LL. **J Pharmacol Exp Ther** 1984 Apr;229(1):182–7

Fragment C of tetanus toxin antagonizes the neuromuscular blocking properties of native tetanus toxin. Simpson LL. **J Pharmacol Exp Ther** 1984 Mar;228(3):600–4

A study of the action of tetanus toxin at rat soleus neuromuscular junctions. Bevan S, et al. **J Physiol (Lond)** 1984 Mar;348:1–17

Effect of tetanus toxin on the monosynaptic reflex. Takano K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):217–20

Comparative activities of tetanus and botulinum toxins. Mellanby J. **Neuroscience** 1984 Jan;11(1):29–34 (42 ref.)

TOXICITY

Transmitter release in tetanus and botulinum A toxin-poisoned mammalian motor endplates and its dependence on nerve stimulation and temperature. Dreyer F, et al. **Pflugers Arch** 1983 Nov;399(3):228–34

TETANUS TOXOID

New DTP vaccine [letter] McCarthy NJ. **Med J Aust** 1984 Jul 21;141(2):136

[Anti-tetanus vaccines] Bizzini B. **Boll Ist Sieroter Milan** 1983;62(6):550–4 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Reactogenicity of fluid compared with adsorbed diphtheria-pertussis-tetanus vaccine. Mathias RG. **Can Med Assoc J** 1984 Jun 15;130(12):1561–5

Diphtheria-tetanus immunization [letter] Silverberg LI. **J Fam Pract** 1984 Aug;19(2):162

DTP reactions and serologic response with a reduced dose schedule. Barkin RM, et al. **J Pediatr** 1984 Aug; 105(2):189–94

Simultaneous administration of hepatitis B and diphtheria/tetanus/polio vaccines [letter] Chiron JP, et al. **Lancet** 1984 Mar 17;1(8377):623–4

Antitetanus prophylaxis [letter] **N Engl J Med** 1984 Feb 16; 310(7):466–7

Two injections of diphtheria-tetanus-pertussis-polio vaccine as the backbone of a simplified immunization schedule in developing countries. Cohen H, et al. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S350–1

Early changes in lymphocyte traffic between distant lymph nodes following regional antigenic stimulation. Kraft R, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):135–44

[Antitetanus and antidiphtheria vaccinations in children] Mouton Y, et al. **Ann Pediatr (Paris)** 1984 Jun;31(6):457–60 (Eng. Abstr.) **(Fre)**

[IPAD-DTCP: study of the tolerability and serum antipoliomyelitic efficacy in a maternal-child health center at Pikine (Dakar)] Loucq C, et al. **Med Trop (Mars)** 1984 Jan-Mar;44(1):65–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Recurrent seizures after diphtheria, tetanus, and pertussis immunization. Cause and effect v temporal association. Cherry JD, et al. **Am J Dis Child** 1984 Oct;138(10):904–7

Recurrent seizures after diphtheria, tetanus, and pertussis vaccine immunization. Onset less than 24 hours after vaccination. Murphy JV, et al. **Am J Dis Child** 1984 Oct; 138(10):908–11

Pyrexia after diphtheria/tetanus/pertussis and diphtheria/tetanus vaccines. Waight PA, et al. **Arch Dis Child** 1983 Nov;58(11):921–3

Neuralgic amyotrophy after administration of tetanus toxoid [letter] Kiwit JC. **J Neurol Neurosurg Psychiatry** 1984 Mar; 47(3):320

DTP immunization and SIDS [letter] Geraghty KC. **J Pediatr** 1984 Jul;105(1):169–71

Symptoms after primary immunisation with DTP and with DT vaccine. Pollock TM, et al. **Lancet** 1984 Jul 21; 2(8395):146–9

DTP and SIDS [letter] Mortimer EA Jr, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):492–3

DTP-associated reactions: an analysis by injection site, manufacturer, prior reactions, and dose. Baraff LJ, et al. **Pediatrics** 1984 Jan;73(1):31–6

Overdose of booster tetanus toxoid given in error: a clinical study. Melamed I, et al. **Scand J Infect Dis** 1983;15(3):303–6

[Reactions to vaccinations against tetanus and tick-borne encephalitis caused by merthiolate (thiomersal)] Lindemayr H, et al. **Hautarzt** 1984 Apr;35(4):192–6 (Eng. Abstr.) **(Ger)**

[Case-control study on the association of neurological syndromes and compulsory vaccinations in Liguria during the period January 1980–February 1983] Crovari P, et al. **Boll Ist Sieroter Milan** 1984 May 31;63(2):118–24 (Eng. Abstr.) **(Ita)**

[Reactions to required vaccinations: a year of surveillance in Naples] Montanaro D, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):725–40 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

In-vivo immune responses of breast- and bottle-fed infants to tetanus toxoid antigen and to normal gut flora. Stephens S, et al. **Acta Paediatr Scand** 1984 Jul;73(4):426–32

Studies on the immunological adjuvant activity of Bordetella bronchiseptica in mice. Magyar T, et al. **Acta Vet Hung** 1983;31(1–3):31–5

Some factors influencing the immunological adjuvant effect of Bordetella bronchiseptica on the immune response to tetanus toxoid. Magyar T, et al. **Acta Vet Hung** 1983; 31(1–3):37–42

Immunomodulation of primary antitoxic-type immunity with inactivated Brucella suspensions. Réthy L, et al. **Acta Vet Hung** 1983;31(1–3):43–9

Antibody affinity and immune complexes after immunization with tetanus toxoid in protein-energy malnutrition. Chandra RK, et al. **Am J Clin Nutr** 1984 Jul;40(1):131–4

Comparison of Corynebacterium parvum with Freund's complete adjuvant as a potentiator of the immune response to beta-human chorionic gonadotropin linked to tetanus toxoid. Covey DC, et al. **Am J Reprod Immunol** 1984 Apr-May;5(3):114–6

Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15

IgG rheumatoid factors behaviour in young normal subjects following vaccination. Procaccia S, et al. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):451–61

Ultra violet radiation-induced defects in accessory cell function in the human proliferative response to tetanus. Pretell JO, et al. **Clin Exp Immunol** 1984 Apr;56(1):105–13

Appraisal and prospects of a dimeric synthetic peptide coupled with tetanus toxoid for a bifunctional vaccine against hepatitis B virus infection. Vyas GN, et al. **Dev Biol Stand** 1983;54:93–102

Analysis of antigen uptake and presentation by Epstein-Barr virus-transformed human lymphoblastoid B cells. Chu E, et al. **Eur J Immunol** 1984 Apr;14(4):291–8

Specific immune responses after booster immunization with tetanus toxoid in man: study of kinetics, family segregation, and linkage to HLA of in vitro lymphocyte proliferative responses and serum-antibody responses. Ballet JJ, et al. **Immunogenetics** 1983;18(4):343–58

The interaction of specific T-cell help and non-specific B-cell growth factors in the production of anti-tetanus antibody by human B cells grown in serum-free microcultures. Brenner MK, et al. **Immunology** 1983 Nov; 50(3):377–85

Antigen-induced suppression in man: non-specific suppression mediated via OKT8+ cells. Cohen MG, et al. **Immunology** 1984 Aug;52(4):589–98

Defective regulation of the immune response to tetanus toxoid in Hashimoto's disease. Fawcett J, et al. **Immunology** 1984 Jul;52(3):525–8

Conjugation of meningococcal lipopolysaccharide R-type oligosaccharides to tetanus toxoid as route to a potential vaccine against group B Neisseria meningitidis. Jennings HJ, et al. **Infect Immun** 1984 Jan;43(1):407–12

Comparison of the specific IgM and IgG antibody response in humans induced by antigen (tetanus toxoid) or a polyclonal activator (EBV) in vitro. Kozbor D, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):260–6

Dysfunction of humoral immunity in anergic surgical patients: absence of anti-tetanus IgG antibody production. Mazaheri R, et al. **J Clin Immunol** 1984 Jan;4(1):65–70

Antibody synthesis by bone marrow cells in vitro following primary and booster tetanus toxoid immunization in

humans. Kodo H, et al. **J Clin Invest** 1984 May; 73(5):1377–84

Human auto-antiidiotypes regulating T cell-mediated reactivity to tetanus toxoid. Saxon A, et al. **J Clin Invest** 1984 Feb;73(2):342–8

Mechanisms of the failure of resting B cells to present tetanus toxoid antigen to T cells. Brozek C, et al. **J Immunol** 1984 Mar;132(3):1144–50

Idiotypic determinants on human T cells and modulation of human T cell responses by anti-idiotypic antibodies. Geha RS. **J Immunol** 1984 Oct;133(4):1846–51

Interferon as an in vitro modifier of immune responses induced by combined vaccine (DTP) in mice. Dimitrov NV, et al. **J Immunopharmacol** 1983;5(4):291–310

Immunogenicity of a Haemophilus influenzae type b vaccine in combination with diphtheria–pertussis–tetanus vaccine in infants. Coulehan JL, et al. **J Infect Dis** 1983 Sep; 148(3):530–4

Reproducible production of protective human monoclonal antibodies by fusion of peripheral blood lymphocytes with a mouse myeloma cell line. Gigliotti F, et al. **J Infect Dis** 1984 Jan;149(1):43–7

Response of infants to Haemophilus influenzae type b polysaccharide and diphtheria–tetanus–pertussis vaccines in combination. Lepow ML, et al. **J Infect Dis** 1984 Jun; 149(6):950–5

Abnormal T-lymphocyte subpopulations in healthy subjects after tetanus booster immunization [letter] Eibl MM, et al. **N Engl J Med** 1984 Jan 19;310(3):198–9

Comparison of oil adjuvant and aluminium phosphate-adsorbed toxoid for the passive immunization of lambs against tetanus. Cameron CM, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):229–31

Delayed hypersensitivity to tetanus toxoid in man: in vivo and in vitro studies. Johnson C, et al. **Pathology** 1983 Oct; 15(4):369–72

Immunologic response to early and routine DTP immunization in infants. Baraff LJ, et al. **Pediatrics** 1984 Jan;73(1):37–42

Antibody production following immunization with diphtheria and tetanus toxoids in children receiving chemotherapy during remission of malignant disease. Kung FH, et al. **Pediatrics** 1984 Jul;74(1):86–9

Characterization of human hybridomas secreting antibody to tetanus toxoid. Larrick JW, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6376–80

Functional characterization of specific IgE antibodies for tetanus toxoid. Miadonna A, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):235–45

[T-cell kinetics and course of humoral immune response following subcutaneous immunization with tetanus toxoid fluid vaccine] Thilo W, et al. **Zentralbl Chir** 1983; 108(14):865–74 (Eng. Abstr.) **(Ger)**

[Antibodies to vaccinal antigens in patients with viral hepatitis and acute intestinal infections] Granitov VM, et al. **Vrach Delo** 1983 Nov;(11):110–2 (Eng. Abstr.) **(Rus)**

[Limited controlled trial of the reactogenic properties of ADTP vaccines containing stab cultures as the pertussis component] Shmeleva EI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):68–73 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Enterobacterial common antigen–tetanus toxoid conjugate as immunogen. Lugowski C, et al. **Infect Immun** 1983 Dec; 42(3):1086–91

PHARMACODYNAMICS

Evaluation of test immunisation in the assessment of antibody deficiency syndromes. Webster AD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1864–6

The regulatory roles of T4 and T8 subsets in tetanus toxoid-induced in vitro immunoglobulin production. Orcutt-Thordarson N, et al. **Cell Immunol** 1983 Nov; 82(1):184–95

Detection of single antibody-secreting cells generated after in vitro antigen-induced stimulation of human peripheral blood lymphocytes. Czerkinsky C, et al. **Scand J Immunol** 1984 Jun;19(6):575–9

STANDARDS

The second international standard for tetanus toxoid (adsorbed). Lyng J, et al. **J Biol Stand** 1984 Jan; 12(1):121–30

TETANUS VACCINE see **TETANUS TOXOID**

TETANY

BLOOD

[Current status of normocalcemic tetany] Quandt J. **Z Gesamte Inn Med** 1983 Aug 1;38(15):388–9 (Eng. Abstr.) **(Ger)**

[Normocalcemic tetany in celiac disease (letter)] Javaloyas M, et al. **Med Clin (Barc)** 1984 May 5;82(17):782 **(Spa)**

CHEMICALLY INDUCED

Resonium A-induced hypocalcaemic tetany. Angelo-Nielsen K, et al. **Dan Med Bull** 1983 Sep;30(5):348–9

[Hyperphosphatemia and tetany following phosphate enema] Haldimann B, et al. **Schweiz Med Wochenschr** 1983 Sep 3;113(35):1231–3 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Facial myokymia in Guillain-Barré [letter] Henriet M, et al. **Neurology (NY)** 1983 Nov;33(11):1534–5

DIAGNOSIS

Seasonal occurrence of the tetanic syndrome. Steidl L, et al. **Acta Univ Palacki Olomuc Fac Med** 1983;105:159–68

Tetany. Dash RJ, et al. **J Assoc Physicians India** 1983 Jul; 31(7):459–61

[Acral manifestations and latent tetany] Durlach J. **J Mal Vasc** 1984;9 Suppl A:37–8 **(Fre)**

[Spasmophiles exist. How to treat them] Klotz HP. **Sem Hop Paris** 1983 Oct 20;59(37–38):2603–6 **(Fre)**

[Psychoneurologic aspects of tetany (clinical picture, etiology, pathogenesis, treatment) (review)] Moldovanu IV, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1246–54 (119 ref.) **(Rus)**

ETIOLOGY

Neonatal tetany secondary to maternal parathyroid adenoma: a case report. Wilber DL, et al. **J Okla State Med Assoc** 1984 Mar;77(3):90–1

Tetany and osteolysis in light chain myeloma with amyloidosis. Bhakri HL, et al. **Postgrad Med J** 1983 Aug; 59(694):527–9

Postpartum tetany and Crohn's disease [letter] Goldenberg RL, et al. **South Med J** 1983 Nov;76(11):1462–3

[Perforating gastroduodenal ulcers with hemorrhage and gastrogenic tetany] Podonenko-Bogdanova AP, et al. **Sov Med** 1983;(11):100–1 **(Rus)**

[Tetany as a presenting form of celiac disease (letter)] López I, et al. **Med Clin (Barc)** 1984 Jan 14;82(1):38 **(Spa)**

PATHOLOGY

[Death in a tetany attack] Vock R, et al. **Z Rechtsmed** 1984; 92(3):231–7 (Eng. Abstr.) **(Ger)**

[Changes in the ultrastructure of synapses and neurons of the ventral horns of the spinal cord in cats with tetany as a result of the removal of the parathyroid glands] Avakian LA, et al. **Arkh Anat Gistol Embriol** 1984 Jun; 86(6):15–20 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Automatic analysis of the spontaneous EMG activity during ischaemic test in tetany. Rossi B, et al. **Electromyogr Clin Neurophysiol** 1984 Jan–Feb; 24(1–2):75–80

PSYCHOLOGY

[Psychopathologic aspects of tetanic seizures] Delage M, et al. **Ann Med Psychol (Paris)** 1983 Dec;141(10):1063–77 (Eng. Abstr.) **(Fre)**

VETERINARY

Efficacy of a large magnesium alloy rumen bolus in the prevention of hypomagnesemic tetany in cows. Stuedemann JA, et al. **Am J Vet Res** 1984 Apr; 45(4):698–702

Factors predisposing dairy and beef cows to grass tetany. Harris DJ, et al. **Aust Vet J** 1983 Aug;60(8):230–4

Wheat pasture poisoning. I. An evaluation of cereal pastures as related to tetany in beef cows. Bohman VR, et al. **J Anim Sci** 1983 Dec;57(6):1352–63

Wheat pasture poisoning. II. Tissue composition of cattle grazing cereal forages and related to tetany. Bohman VR, et al. **J Anim Sci** 1983 Dec;57(6):1364–73

Labile magnesium reserves in beef cows subjected to different prepasture supplementation regimens. Ritter RJ, et al. **J Anim Sci** 1984 Jul;59(1):197–203

Experimental studies on hypomagnesemia in ruminants: effects of varying calcium content in low-magnesium diets on serum concentrations of magnesium and calcium, and heart rate in lactating ewes. Shiga A, et al. **Nippon Juigaku Zasshi** 1983 Aug;45(4):435–42

TETRABENAZINE

Pyrroloisoquinoline antidepressants. Potent, enantioselective inhibition of tetrabenazine-induced ptosis and neuronal uptake of norepinephrine, dopamine, and serotonin. Maryanoff BE, et al. **J Med Chem** 1984 Aug;27(8):943–6

ANALOGS & DERIVATIVES

Reserpine binding to bovine chromaffin granule membranes. Characterization and comparison with dihydrotetrabenazine binding. Scherman D, et al. **Mol Pharmacol** 1984 Jan;25(1):113–22

ANTAGONISTS & INHIBITORS

Adrenoceptor and tetrabenazine antagonism activities of some pyridinyltetrahydropyridines. Saari WS, et al. **J Med Chem** 1984 Sep;27(9):1182–5

PHARMACODYNAMICS

Differential interactions of phencyclidine with tetrabenazine and reserpine affecting intraneuronal dopamine. Bagchi SP. **Biochem Pharmacol** 1983 Oct 1;32(19):2851–6

THERAPEUTIC USE

Effect of tetrabenazine on tics and sleep of Gilles de la Tourette's syndrome. Jankovic J, et al. **Neurology (NY)** 1984 May;34(5):688–92

TETRABROMOFLUORESCEIN see **EOSIN**

TETRACAINE

Vasoconstrictors in spinal anesthesia with tetracaine—a comparison of epinephrine and phenylephrine. Concepcion M, et al. **Anesth Analg** 1984 Feb;63(2):134–8

Effect of lipid membranes on the apparent pK of the local anesthetic tetracaine. Spin label and titration studies. Schreier S, et al. **Biochim Biophys Acta** 1984 Jan 11; 769(1):231–7

Subarachnoid anaesthesia: comparison of hyperbaric solutions of bupivacaine and amethocaine. Skretting P, et al. **Br J Anaesth** 1984 Feb;56(2):155–9

ADMINISTRATION & DOSAGE

Improving the effectiveness of TAC application [letter] Lyman JL, et al. **Ann Emerg Med** 1984 Aug;13(8):642

ADVERSE EFFECTS

Infantile methemoglobinemia induced by a topical anesthetic, Cetacaine. Seibert RW, et al. **Laryngoscope** 1984 Jun; 94(6):816–7

METABOLISM

Characterization of the binding of the local anesthetics procaine and tetracaine to model membranes of phosphatidylethanolamine: a deuterium nuclear magnetic resonance study. Kelusky EC, et al. **Biochemistry** 1983 Dec 6;22(25):6011–7

Anesthetic-membrane interaction: a 2H nuclear magnetic resonance study of the binding of specifically deuterated tetracaine and procaine to phosphatidylcholine. Kelusky EC, et al. **Can J Biochem Cell Biol** 1984 Apr;62(4):178–84

PHARMACODYNAMICS

Apparent respiration rate of the human corneal epithelium with tetracaine HCl and benoxinate HCl. Bentley CR, et al. **Am J Optom Physiol Opt** 1983 Dec;60(12):960–3

Modification of sympathetic nerve stimulation frequency–response relationship in rabbit ileum by guanethidine, bretylium and tetracaine. Kihara M, et al. **Arch Int Pharmacodyn Ther** 1983 Dec;266(2):180–5

Inhibition of dog kidney Na+, K+-ATPase activity by procaine, tetracaine and dibucaine. Hudgins PM, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1789–96

Effect of tetracaine and lidocaine on insulin release in isolated mouse pancreatic islets. Norlund L, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):197–204

Potassium contractures and mechanical activation in rat skeletal muscle: effects of multivalent cations, temperature and tetracaine. Anwyl R, et al. **Br J Pharmacol** 1984 Jul; 82(3):615–21

Inhibition of agonist-induced degradation of muscarinic cholinergic receptor by quinacrine and tetracaine—possible involvement of phospholipase A2 in receptor degradation. Higuchi H, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3–4):229–39

Local anesthetics block transient expression of inducible functions for transformation in Streptococcus sanguis. Raina JL. **J Bacteriol** 1983 Oct;156(1):450–4

[Bacteriostatic effects of aqueous solutions of cocaine and tetracaine] Szczypiński J, et al. **Klin Oczna** 1983 Oct; 85(10):341–2 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Liposome encapsulated tetracaine lowers blood glucose. Kraus-Friedmann N, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):195–8

Failure of tetracaine to reverse spinal cord injury in the cat. Ford RW, et al. **J Neurosurg** 1984 Jun;60(6):1269–74

[Result and treatment of tinnitus in our clinic] Causse JB, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):231–5 (Eng. Abstr.) **(Fre)**

TETRACEMATE see **EDTA**

TETRACHLORODIBENZODIOXIN see under **DIOXINS**

TETRACHLOROETHYLENE

Worker exposure to perchloroethylene in the commercial dry cleaning industry. Ludwig HR, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):600–5

ADVERSE EFFECTS

The dangers of drycleaning [letter] **Br Med J [Clin Res]** 1984 Jul 28;289(6439):255

Leukaemia in drycleaners [letter] Jalihal SS, et al. **J R Soc Health** 1984 Feb;104(1):42

[Perchloroethylene (tetrachloroethylene) exposure with

reference to exposure peaks and acetone formation] Buchter A, et al.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1984 May;34(5):130–6 (Eng. Abstr.) **(Ger)**
[Health risks in the dry-cleaning industry from using tetrachloroethylenes?] von Düszeln J, et al.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1983 Aug;33(8):260–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Tetrachloroethene in exhaled air of persons living near pollution sources. Monster AC, et al.
Int Arch Occup Environ Health 1984;53(4):331–6
[Estimate of tetrachloroethylene exposure level during washing with a detergent containing tetrachloroethylene] Kojima S, et al. **Eisei Shikenjo Hokoku** 1983;(101):98–101 (Eng. Abstr.) **(Jpn)**
[Determination of trichloroethylene and tetrachloroethylene in aerosol products by head space gas chromatography] Kojima S, et al. **Eisei Shikenjo Hokoku** 1983;(101):27–32 (Eng. Abstr.) **(Jpn)**

METABOLISM

Mechanisms of formation and reactions of electrophilic intermediates of halogenated olefins. Henschler D, et al.
Prog Clin Biol Res 1983;132B:175–83
[Uptake, elimination and metabolism of tetrachloroethylene in dogs] Hobara T, et al. **Sangyo Igaku** 1983 Sep; 25(5):367–74 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Perchloroethylene: effects on body and organ weights and plasma butyrylcholinesterase activity in mice. Kjellstrand P, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May; 54(5):414–24

POISONING

[Decrease in corneal sensitivity induced by styrene and tetrachloroethylene vapors] Alieva ZA, et al.
Vestn Oftalmol 1984 Mar–Apr;(2):37–40 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute and chronic toxicity of some chlorinated benzenes, chlorinated ethanes, and tetrachloroethylene to Daphnia magna. Richter JE, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):679–84
Biological actions and interactions of tetrachloroethylene. Reichert D. **Mutat Res** 1983 Dec;123(3):411–29 (135 ref.)
Epinephrine-induced cardiac arrhythmias in rabbits exposed to tetrachloroethylene. Carlson GP. **Toxicol Lett** 1983 Oct–Nov;19(1–2):113–7
Impairment of mitochondrial electron transport by tetrachloroethylene. Miyazaki Y, et al. **Toxicol Lett** 1983 Aug;18(1–2):163–6

TETRACHLORVINPHOS

ADMINISTRATION & DOSAGE

[Potential blastomogenic properties of gardona] Didenko GG, et al. **Gig Sanit** 1984 May;(5):83–4 **(Rus)**

PHARMACODYNAMICS

Alkylation of urinary guanine in mice by the organophosphorus insecticide tetrachlorvinphos. Zayed SM, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):205–7
Cytological effects of the insecticide tetrachlorvinphos. Amer SM, et al. **Toxicol Lett** 1983 Sep;18(3):231–4

THERAPEUTIC USE

Effectiveness of Ectiban, egg oil, Rabon, or Sevin for control of northern fowl mites on laying hens. McKeen WD, et al. **Poult Sci** 1983 Dec;62(12):2343–6

TOXICITY

Tetrachlorvinphos.
IARC Monogr Eval Carcinog Risk Chem Hum 1983 Jan; 30:197–206
In vivo methylation of guanine by the organophosphorus insecticide tetrachlorvinphos. Zayed SM, et al.
J Environ Sci Health [B] 1983 Dec;18(6):767–79

TETRACYCLINE

Control of expression of the Tn10-encoded tetracycline resistance genes. Equilibrium and kinetic investigation of the regulatory reactions. Hillen W, et al. **J Mol Biol** 1983 Sep 25;169(3):707–21
Control of expression of the Tn10-encoded tetracycline resistance operon. II. Interaction of RNA polymerase and TET repressor with the tet operon regulatory region. Hillen W, et al. **J Mol Biol** 1984 Jan 15;172(2):185–201
[Tetracycline-like fluorescence in buried human skeleton parts] Piepenbrink H, et al. **Z Rechtsmed** 1983;91(1):71–4 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Resolution of recurrent thyroid cysts with tetracycline instillation. Treece GL, et al. **Arch Intern Med** 1983 Dec; 143(12):2285–7
Peritoneal tetracycline lavage [letter] **Br J Surg** 1984 Jan; 71(1):82–3
Intrapericardial tetracycline sclerosis in the treatment of malignant pericardial effusion: an analysis of thirty-three cases. Davis S, et al. **J Clin Oncol** 1984 Jun;2(6):631–6
Effect of achromycin ointment on healing following periodontal surgery [letter] Baer PN. **J Periodontol** 1983 Oct;54(10):633
Monolithic tetracycline-containing fibers for controlled delivery to periodontal pockets. Goodson JM, et al.
J Periodontol 1983 Oct;54(10):575–9
Chemical pleurodesis with tetracycline—a short term follow up. Zaman M. **JPMA** 1984 Apr;34(4):88–9
Failure of chloroquine–erythromycin and chloroquine–tetracycline combinations in treatment of chloroquine-resistant falciparum malaria in eastern Thailand. Phillips RE, et al. **Lancet** 1984 Feb 11; 1(8372):300–2
Trachoma and oily tetracycline eye drops [letter] Tilmouth T, et al. **Med J Aust** 1984 Jan 21;140(2):119
[Antibiotic therapy in the compromised host—presented as a model for listeriosis in the mouse. II. Effect of tetracycline] Hof H, et al. **Immun Infekt** 1983 Mar; 11(2):61–4 (Eng. Abstr.) **(Ger)**
[Symphyseal therapy with tetracycline in neoplastic pleurisy and spontaneous pneumothorax] Tassi GF, et al.
Minerva Med 1984 Feb 28;75(8):381–4 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Photo-onycholysis due to tetracycline-hydrochloride. Ibsen HH, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):555–7
Drug-induced esophagitis. Ginaldi S. **Am Fam Physician** 1984 Aug;30(2):169–70
Adverse reactions to topical clindamycin, erythromycin and tetracycline. Fisher AA. **Cutis** 1983 Nov;32(5):415, 419, 424, 428 (19 ref.)
Tablets and capsules that stick in the oesophagus [letter] **J R Coll Gen Pract** 1984 May;34(262):301
The prevalence of tetracycline—stained teeth in Malaysians—a preliminary survey. Hashim B Yaacob, et al. **Med J Malaysia** 1983 Sep;38(3):197–9
Pigmented conjunctival cysts following tetracycline/minocycline therapy. Histochemical and electron microscopic observations. Messmer E, et al.
Ophthalmology 1983 Dec;90(12):1462–8
Drug-induced oesophagitis [letter] Jeffery PC, et al.
S Afr Med J 1983 Dec 31;64(28):1081
[Vitamin E and selenium-containing preparations in the prevention treatment of tetracycline-induced lesions of the liver] Skakun NP, et al. **Antibiotiki** 1983 Aug;28(8):608–12 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Intracistronic complementation of the tetracycline resistance membrane protein of Tn10. Curiale MS, et al.
J Bacteriol 1984 Jan;157(1):211–7
[Seasonal features of the excretory function of the liver in the presence of tetracycline damage and correction of the disorders with antioxidants] Skakun NP, et al.
Antibiotiki 1983 Oct;28(10):757–60 (Eng. Abstr.) **(Rus)**
[Induction of repetitive nucleotide sequences in the Tcr gene of plasmid pBR 322 resulting from gene-directed mutagenesis] Salganik RI, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):197–201 **(Rus)**

BIOSYNTHESIS

[Reproducibility of the biosynthetic parameters in various fermentation equipment] Cherkasova GN, et al.
Antibiotiki 1983 Jul;28(7):486–8 (Eng. Abstr.) **(Rus)**
[Effect of dissolved carbon dioxide on the tetracycline biosynthesis process in an industrial fermenter] Tikhonov VV, et al. **Antibiotiki** 1983 Sep;28(9):652–5 (Eng. Abstr.) **(Rus)**

BLOOD

Serum tetracycline level following peritoneal lavage. Orr G, et al. **Br J Surg** 1983 Sep;70(9):563

CHEMICAL SYNTHESIS

Synthesis and characterisation of tetracycline hydrochloride and doxycycline-hydrochloride complexes with Cu(II) and Zn (II). Katakwar TK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):9–13

DIAGNOSTIC USE

Avascular necrosis associated with nailing of femoral neck fracture. Two cases examined pre- and postoperatively by tetracycline and radionuclide tracer techniques. Strömqvist B, et al. **Acta Orthop Scand** 1983 Oct;54(5):687–94
Cyclical uptake pattern of tetracycline in post-secretory maturation phase enamel demonstrated in rooted teeth. Boyde A, et al. **Calcif Tissue Int** 1983 Sep;35(6):762–6

METABOLISM

Alkaline phosphatase activity and tetracycline incorporation during initial orthodontic tooth movement in rats. Lilja E, et al. **Acta Odontol Scand** 1984 Feb;42(1):1–11
Metal ion–tetracycline interactions in biological fluids. Part 3. Formation of mixed-metal ternary complexes of tetracycline, oxytetracycline, doxycycline and minocycline with calcium and magnesium, and their involvement in the bioavailability of these antibiotics in blood plasma. Lambs L, et al. **Agents Actions** 1984 Jun;14(5–6):743–50
Pharmacokinetics of tetracycline encapsulated in bovine carrier erythrocytes. DeLoach JR, et al. **Am J Vet Res** 1984 Apr;45(4):640–2
Effects of cAMP, furosemide, and ouabain on transtracheal tetracycline and chloramphenicol influx in the rat. Cloutier MM, et al. **Am Rev Respir Dis** 1984 Feb;129(2):284–7
Energetics of tetracycline transport into Escherichia coli. Smith MC, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):446–9
Blood and organ concentrations of tetracycline and doxycycline in female mice. Comparison to males. Böcker R, et al. **Arzneimittelforsch** 1984;34(4):446–8
Kinetic analysis of tetracycline accumulation by Streptococcus faecalis. Lindley EV, et al. **J Bacteriol** 1984 Apr;158(1):334–6
Metal ion–tetracycline interactions in biological fluids. 2. Potentiometric study of magnesium complexes with tetracycline, oxytetracycline, doxycycline, and minocycline, and discussion of their possible influence on the bioavailability of these antibiotics in blood plasma. Berthon G, et al. **J Inorg Biochem** 1983 Aug;19(1):1–18
Tetracycline and its derivatives strongly bind to and are released from the tooth surface in active form. Baker PJ, et al. **J Periodontol** 1983 Oct;54(10):580–5
Identification of the mineralization front: comparison of a modified toluidine blue stain with tetracycline fluorescence. Villanueva AR, et al. **Metab Bone Dis Relat Res** 1983–84; 5(1):41–5
Kinetics of the uptake of rifampicin and tetracycline into mouse macrophages. In vitro study of the early stages. Najar I, et al. **Pathol Biol (Paris)** 1984 Feb;32(2):85–9
Incidence of experimental ochratoxicosis on hepatic disposition of [3H]tetracycline and chloramphenicol in rats. Galtier P, et al. **Toxicol Lett** 1983 Sep;18(3):263–7

PHARMACODYNAMICS

Combination of the antibiotics erythromycin and tetracycline with three standard antimalarials against Plasmodium falciparum in vitro. Gershon PD, et al.
Ann Trop Med Parasitol 1984 Feb;78(1):1–11
Plasmid-mediated tetracycline resistance in Haemophilus ducreyi. Albritton WL, et al.
Antimicrob Agents Chemother 1984 Feb;25(2):187–90
Comparison of the in vitro activities of ofloxacin and tetracycline against Chlamydia trachomatis as assessed by indirect immunofluorescence. Bailey JM, et al.
Antimicrob Agents Chemother 1984 Jul;26(1):13–6
Frequency of tetracycline resistance determinant classes among lactose-fermenting coliforms. Marshall B, et al.
Antimicrob Agents Chemother 1983 Dec;24(6):835–40
Characterization of tetracycline resistance plasmids from Campylobacter jejuni and Campylobacter coli. Taylor DE, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):930–5
Transferable tetracycline resistance in Clostridium perfringens strains of porcine origin. Rood JI.
Can J Microbiol 1983 Oct;29(10):1241–6
Disc sensitivity of gonococci to rosoxacin, tetracycline and beta-lactam antibiotics. Mason PR, et al.
Cent Afr J Med 1983 Nov;29(11):216–7
Transferability of tetracycline resistance to Clostridium perfringens isolated from human feces. Miyoshi Y.
Chemotherapy 1984;30(3):170–4
Tetracycline resistance determined by pBR322 is mediated by one polypeptide. Backman K, et al. **Gene** 1983 Dec; 26(2–3):197–203
Overlapping divergent promoters control expression of Tn10 tetracycline resistance. Bertrand KP, et al. **Gene** 1983 Aug; 23(2):149–56
Sequence homology between the tetracycline-resistance determinants of Tn10 and pBR322. Nguyen TT, et al.
Gene 1983 Nov;25(1):83–92
Biochemical and genetic characterization of the tet determinant of Bacillus plasmid pAB124. Eccles SJ, et al.
J Bacteriol 1984 Apr;158(1):134–40
Identification of repressor binding sites controlling expression of tetracycline resistance encoded by Tn10. Wray LV Jr, et al. **J Bacteriol** 1983 Dec;156(3):1188–91
Comparison of the immediate effects on the sub-gingival microflora of acrylic strips containing 40% chlorhexidine, metronidazole or tetracycline. Addy M, et al.
J Clin Periodontol 1984 Jul;11(6):379–86
Transfer of tetracycline or clindamycin resistance among strains of Bacteroides fragilis in experimental abscesses. Butler E, et al. **J Infect Dis** 1984 Jul;150(1):20–4
Suppression of the production of migration inhibitory factor in humans by tetracycline. Ganguly R, et al.
J Infect Dis 1983 Sep;148(3):611
Homogeneity of transferable tetracycline-resistance determinants in Haemophilus species. Marshall B, et al.
J Infect Dis 1984 Jun;149(6):1028–9
Complete nucleotide sequence of pT181, a tetracycline-resistance plasmid from Staphylococcus aureus. Khan SA, et al. **Plasmid** 1983 Nov;10(3):251–9
Isolation of a tetracycline-resistance plasmid excised from a chromosomal DNA sequence in Bacillus subtilis. Shishido

K, et al. **Plasmid** 1983 Nov;10(3):224–34
Abortive infection of coliphage T7 by antibiotic resistance R-factors which confer tetracycline resistance. Gómez B, et al. **Rev Latinoam Microbiol** 1983 Apr–Jun;25(2):87–96
In vitro study by fluorescence microscopy and microradiography of tetracycline–tooth interaction. Bjorvatn K. **Scand J Dent Res** 1983 Dec;91(6):417–24
R-selection of subbacteriostatic tetracyclin-concentrations. Lebek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep;255(2–3):340–5
[Tolerance for tetraolean i.m. and the blood levels in agricultural animals] Dilov P, et al. **Vet Med Nauki** 1984; 21(4):35–41 (Eng. Abstr.) **(Bul)**
[Comparative activity of tetracycline, doxycycline and minocycline against Haemophilus] Dabernat H, et al. **Pathol Biol (Paris)** 1983 May;31(5):413–8 (Eng. Abstr.) **(Fre)**
[Demonstration of a tetracycline-resistance factor in a genital Mycoplasma strain. Clinical and molecular biology aspects of Ureaplasma coinfected penicillin and tetracycline-resistant gonorrhea] Jahn G, et al. **Fortschr Med** 1983 Dec 8;101(46):2129–32 (Eng. Abstr.) **(Ger)**
[Formation of plasmid pBR322 oligomers as depending on a tetracycline concentration] Wiehle W, et al. **Z Allg Mikrobiol** 1984;24(2):119–24 (Eng. Abstr.) **(Ger)**
[Changes in the resistance behavior of Staphylococcus aureus to penicillin and tetracycline under the direct effect of antimicrobial chemotherapy] Schulz S, et al. **Z Gesamte Hyg** 1984 May;30(5):275–8 (Eng. Abstr.) **(Ger)**
[Effect of benzylpenicillin and tetracycline on the phagocytic, nonspecific humoral and biochemical activity of uninfected animals] Balakliets NI, et al. **Antibiotiki** 1984 May;29(5):350–3 (Eng. Abstr.) **(Rus)**
[Mechanism of the pro-oxidant activity of tetracycline] Oleinik AN, et al. **Antibiotiki** 1983 Nov;28(11):845–8 (Eng. Abstr.) **(Rus)**
[Structural characteristics of the thymus in the antenatal and early postnatal periods of ontogeny in tetracycline exposure] Petrova TB. **Arkh Anat Gistol Embriol** 1984 Feb; 86(2):85–92 (Eng. Abstr.) **(Rus)**
[Developmental characteristics of the inferior tracheobronchial and mesenteric lymph nodes in exposure to tetracycline hydrochloride] Savitskaia TN. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):70–80 (Eng. Abstr.) **(Rus)**
[Effect of long-term administration of different doses of tetracycline on the activity of proteolytic enzymes in the liver of rats] Barna K, et al. **Bratisl Lek Listy** 1983 Aug; 80(2):129–38 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Rapid management of persistent seromas by sclerotherapy. Nichter LS, et al. **Ann Plast Surg** 1983 Sep;11(3):233–6
Antibiotic resistance of fecal coliforms after long-term withdrawal of therapeutic and subtherapeutic antibiotic use in a swine herd. Langlois BE, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1433–4
A comparison of cefaclor and tetracycline in the treatment of bacterial bronchitis. Hurst DJ. **Clin Ther** 1984;6(2):163–9
Risks in malaria prevention: alternative prophylaxis with chloroquine plus tetracycline. Neumann HH. **Conn Med** 1984 Jan;48(1):7–9
A pilot study on tetracycline therapy in chlamydial urethritis. Mishra B, et al. **Indian J Med Res** 1984 Feb;79:191–3
Lyme disease: prevention of the arthritis syndrome through early recognition and antibiotic therapy. Hayne CW. **J Am Osteopath Assoc** 1984 Apr;83(8):601–3
Effect of long-term tetracycline therapy on human periodontal disease. Lindhe J, et al. **J Clin Periodontol** 1983 Nov;10(6):590–601
Effect of combined systemic antimicrobial therapy and mechanical plaque control in patients with recurrent periodontal disease. Lundström A, et al. **J Clin Periodontol** 1984 May;11(5):321–30
Suppression of the periodontopathic microflora in localized juvenile periodontitis by systemic tetracycline. Slots J, et al. **J Clin Periodontol** 1983 Sep;10(5):465–86
Use of tetracycline for the arthritis of jejunoileal bypass [letter] Fuxench-Chiesa Z, et al. **J Rheumatol** 1984 Apr; 11(2):247–8
Tetracycline versus silver nitrate pleurodesis in spontaneous pneumothorax. Wied U, et al. **J Thorac Cardiovasc Surg** 1983 Oct;86(4):591–3
Current treatment approaches for gonorrhea in men: two for the price of one. Welch RD, et al. **Milit Med** 1984 Jul;149(7):404–7
Review of congenital syphilis [letter] Fiumara NJ. **Sex Transm Dis** 1984 Jan–Mar;11(1):49–50
Treatment of Plasmodium falciparum malaria with a combination of amodiaquine and tetracycline in Central Thailand. Noeypatimanond S, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):338–40
Treatment of contagious caprine pleuropneumonia. El Hassan SM, et al. **Vet Res Commun** 1984 Feb;8(1):65–7
[Use of tetracycline as a photosensitizer in exposure to argon laser rays in zymosan arthritis in rats] Tupikin GV, et al. **Revmatologiia (Moskva)** 1983 Jul–Sep;(3):32–5 (Eng. Abstr.) **(Rus)**
[Brucellar bioprosthesic endocarditis: cure by medical treatment (letter)] Rubio Alvarez J, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):829–30 **(Spa)**
[Treatment of acute sinusal processes of adults with tetracycline and a combination of sulfamethopyrazine–trimethoprim] Otte J, et al. **Rev Med Chil** 1983 Nov;111(11):1157–61 (Eng. Abstr.) **(Spa)**

TOXICITY

The effect of tetracycline lavage and trauma on visceral and parietal peritoneal ultrastructure and adhesion formation. Phillips RK, et al. **Br J Surg** 1984 Jul;71(7):537–9
Disseminated tetracycline resistance in oral streptococci: implication of a conjugative transposon. Hartley DL, et al. **Infect Immun** 1984 Jul;45(1):13–7
Effects of lincomycin and tetracycline on production and properties of enterotoxins of enterotoxigenic Escherichia coli. Yoh M, et al. **Infect Immun** 1983 Nov;42(2):778–82
Construction of a single-copy promoter vector and its use in analysis of regulation of the transposon Tn10 tetracycline resistance determinant. Bertrand KP, et al. **J Bacteriol** 1984 Jun;158(3):910–9
Further studies on tetracycline-induced mutation in V79 Chinese hamster cells. Bhattacharjee SB, et al. **Mutat Res** 1984 Mar;135(3):211–7
Nucleotide sequence of the repressor gene of the TN10 tetracycline resistance determinant. Postle K, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4849–63
[Liver-protective effect of tocopherol acetate and selenium-containing preparations in tetracycline antibiotic lesions of the liver] Skakun NP, et al. **Antibiotiki** 1984 Mar; 29(3):223–7 (Eng. Abstr.) **(Rus)**
[Seasonal characteristics of the hepatotoxicity of tetracycline] Skakun NP, et al. **Antibiotiki** 1984 Jan;29(1):42–5 (Eng. Abstr.) **(Rus)**
[Effect of tetracycline hydrochloride on the development of the thymus structure in the rat] Petrova TB. **Farmakol Toksikol** 1984 May–Jun;47(3):66–70 (Eng. Abstr.) **(Rus)**
[Prenatal action of tetracycline hydrochloride on lymph node development in the rat] Savitskaia TN. **Farmakol Toksikol** 1984 May–Jun;47(3):70–4 (Eng. Abstr.) **(Rus)**

TETRACYCLINES

Kinetics of drug decomposition. Part 74. Kinetics of degradation of minocycline in aqueous solution. Pawelczyk E, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec; 34(5–6):409–21

ADMINISTRATION & DOSAGE

Single dose minocycline and doxycycline treatment of tick-borne relapsing fever. A double-blind clinical trial in Rwanda. de Pierpont E, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):357–61
Minocycline prophylaxis in elective hysterectomy. Savage EW, et al. **J Reprod Med** 1984 Feb;29(2):81–7
[Lymecycline in the treatment of subacute sinusitis. Clinical study] Van de Sande S, et al. **Acta Otorhinolaryngol Belg** 1983;37(4):654–7 (Eng. Abstr.) **(Dut)**
[The treatment of nongonococcal urethritis with minocycline] Vandendris M, et al. **Acta Urol Belg** 1983; 51(3):368–72 (Eng. Abstr.) **(Fre)**
[Combined effect of minocycline with antitubercular agents on Mycobacterium tuberculosis: in vitro study] Tsukamura M, et al. **Kekkaku** 1983 Dec;58(12):665–7 (Eng. Abstr.) **(Jpn)**
[Chemotherapy of lung disease due to Mycobacterium avium-Mycobacterium intracellulare complex by a combination of sulfadimethoxine, minocycline and kitasamycin] Tsukamura M. **Kekkaku** 1984 Jan;59(1):33–7 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Viral-like syndrome associated with minocycline [letter] Rosin MA. **Arch Dermatol** 1984 May;120(5):575
Acute hepatic injury associated with minocycline. Burette A, et al. **Arch Intern Med** 1984 Jul;144(7):1491–2
Black thyroid associated with minocycline therapy. Medeiros LJ, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):268–9
Reduction in evidence in children's teeth of use of tetracyclines. Kinirons MJ. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1515
Tetracycline syrups and children's teeth. **Drug Ther Bull** 1984 Jul 16;22(14):55–6
Mechanism of tetracycline phototoxicity. Hasan T, et al. **J Invest Dermatol** 1984 Sep;83(3):179–83
Pulmonary infiltrates and eosinophilia from minocycline [letter] Otero M, et al. **JAMA** 1983 Nov 18;250(19):2602
Pigmented conjunctival cysts following tetracycline/minocycline therapy. Histochemical and electron microscopic observations. Messmer E, et al. **Ophthalmology** 1983 Dec;90(12):1462–8
Drug-induced oesophagitis [letter] Jeffery PC, et al. **S Afr Med J** 1983 Dec 31;64(28):1081
[Phototoxic excema during treatment with tetracycline] Kromann N, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):515–6 (Eng. Abstr.) **(Dan)**
[Skin pigmentation induced by minocycline] Verret JL, et al. **Ann Dermatol Venereol** 1983;110(9):777–8 **(Fre)**
[Acute drug-induced esophageal lesions] Becouarn Y, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):868–76 (99 ref.) **(Fre)**
[Recurrent erythema multiforme following successive treatments with tetracyclines. Apropos of a case] Albengres E, et al. **Therapie** 1983 Sep–Oct;38(5):577–9 (Eng. Abstr.) **(Fre)**
[Occupational tetracycline allergy] Schwarting HH. **Derm Beruf Umwelt** 1983;31(4):130 **(Ger)**

ANALYSIS

Studies on the penetration of lymecycline into the paranasal sinus in man. Bergholm AM. **Acta Otorhinolaryngol Belg** 1983;37(4):649–53
Spectrophotometric determination of minocycline using zirconium(IV), o-hydroxyhydroquinonephthalein and fluoride ions in the presence of sodium dodecyl sulfate. Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov; 31(11):4016–21
Rapid assay for tetracycline in premixes and mixed feeds. Katz JM, et al. **J Assoc Off Anal Chem** 1984 May–Jun; 67(3):576–9
Complexation of tetracyclines with metal ions in relation to photosensitization. Riaz M, et al. **J Pharm Pharmacol** 1984 Mar;36(3):153–6
[Evaluation of chemical analysis of antibiotics (2). Use of a prepacked C-18 cartridge in extraction of tetracyclines] Oka H, et al. **Yakugaku Zasshi** 1983 May;103(5):531–7 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Biosynthesis of cetocycline. Mitscher LA, et al. **J Antibiot (Tokyo)** 1983 Oct;36(10):1405–7

BLOOD

Measurement of tetracycline levels in parakeets. Schachter J, et al. **Avian Dis** 1984 Jan–Mar;28(1):295–302
[Tetracycline penetration into human peripheral blood leukocytes and their intracellular distribution] Kivman GIa, et al. **Antibiotiki** 1984 Jan;29(1):35–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

IR absorption spectrophotometric analysis of the complex formed by tetracycline and synthetic hydroxyapatite. Myers HM, et al. **Calcif Tissue Int** 1983 Sep;35(6):745–9
[Aminoalcohol esters of hydroxyboranes. 10. Tetracycline boron Mannich bases as potential antineoplastic agents] Csuk R, et al. **Arch Pharm (Weinheim)** 1984 Apr; 317(4):336–9 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Tetracyclines of various hydrophobicities as a probe for permeability of Escherichia coli outer membranes. Leive L, et al. **Antimicrob Agents Chemother** 1984 May; 25(5):539–44
Effects of antibiotics, minocycline and ampicillin, on human sleep. Nonaka K, et al. **Brain Res** 1983 Dec 12; 288(1–2):253–9

METABOLISM

Susceptible Escherichia coli cells can actively excrete tetracyclines. McMurry LM, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):544–51
Absorption of minocycline [letter] Smith C, et al. **J Antimicrob Chemother** 1984 Jan;13(1):93
Metal ion-tetracycline interactions in biological fluids. 2. Potentiometric study of magnesium complexes with tetracycline, oxytetracycline, doxycycline, and minocycline, and discussion of their possible influence on the bioavailability of these antibiotics in blood plasma. Berthon G, et al. **J Inorg Biochem** 1983 Aug;19(1):1–18
[Are tetracyclines bound in the dental hard tissue and bones antimicrobially effective?] Radtke G. **Zahn Mund Kieferheilkd** 1983;71(8):799–803 (Eng. Abstr.) **(Ger)**
[Intracellular distribution of tetracyclines in rat hepatocytes] Kivman GIa, et al. **Antibiotiki** 1983 Nov;28(11):834–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Tetracycline influence on leukocyte functions. Belsheim J, et al. **Acta Otorhinolaryngol Belg** 1983;37(4):635–48
Influence of tetracyclines on human polymorphonuclear leukocyte function. Glette J, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):354–7
A retrospective evaluation of postbreeding infusions in dairy cattle. Dohoo IR. **Can J Comp Med** 1984 Jan;48(1):6–9
Effect of intrauterine administration of tetracyclines on cynomolgus monkeys. Dubin NH, et al. **Contraception** 1984 Jun;29(6):561–71
Comparative effects of intrauterine instillation of analogues of quinacrine and tetracycline on uterine morphology in the rat. Dubin NH, et al. **Contraception** 1984 Jun; 29(6):553–9
'In vitro' efficacy of tetracyclines against betelvine Phytophthora. Shrivastava A, et al. **Hindustan Antibiot Bull** 1983 Feb–May;25(1–2):15–7
In vitro inhibition of natural killer cell activity by doxycycline. Goh DH, et al. **Int J Immunopharmacol** 1984;

6(1):51–4
Minocycline resistance among clinical isolates of Ureaplasma urealyticum. Magalhães M, et al. **J Infect Dis** 1984 Jan; 149(1):117
Minocycline reduces gingival collagenolytic activity during diabetes. Preliminary observations and a proposed new mechanism of action. Golub LM, et al. **J Periodont Res** 1983 Sep;18(5):516–26
Tetracycline resistance in Mycoplasma hominis. Christiansson A, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):371–3
Persistent nongonococcal urethritis associated with a minocycline-resistant strain of Ureaplasma urealyticum: a case report. Magalhães M. **Sex Transm Dis** 1983 Jul–Sep; 10(3):151–2
[Comparative activity of tetracycline, doxycycline and minocycline against Haemophilus] Dabernat H, et al. **Pathol Biol (Paris)** 1983 May;31(5):413–8 (Eng. Abstr.) **(Fre)**
[In vitro antituberculous action of minocycline on Mycobacterium tuberculosis] Tsukamura M, et al. **Kekkaku** 1983 Jul;58(7):379–84 (Eng. Abstr.) **(Jpn)**
[Future development of antibiotics. 4. Tetracycline antibiotics] Goto S, et al. **Nippon Rinsho** 1984 Mar; 42(3):547–52 (13 ref.) **(Jpn)**
[Biosynthesis and secretion of insulin under the effect of an antibiotic of the tetracycline group] Poltorak VV. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):57–61 (Eng. Abstr.) **(Rus)**

POISONING

[Content of SH- and —S—S-groups in the blood and liver homogenates in acute poisoning with tetracycline antibiotics] Skakun NP, et al. **Antibiotiki** 1983 Sep; 28(9):682–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Use of tetracyclines in children [letter] Gilks C. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):151
A combined treatment in prevention of postgonococcal urethritis. Patrone P, et al. **Dermatologica** 1984;168(6):300–2
Treatment of severe staphylococcal infections with a rifampicin–minocycline association. Clumeck N, et al. **J Antimicrob Chemother** 1984 Jun;13 Suppl C:17–22
Minocycline HCL in urinary tract infection – a clinical trial. Gardezi SA, et al. **JPMA** 1983 Dec;33(12):294–8
Rifampin and minocycline in meningococcal disease. Beaty HN. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S451–8
[Tetracyclines in cancer] Snow GB. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):261 **(Dut)**
[Treatment of non-gonococcal urethritis with minocycline] Albanese A, et al. **Clin Ter** 1984 Jan 31;108(2):125–35 (Eng. Abstr.) **(Ita)**
[Chloroquine- and fansidar-resistant falciparum malaria treated with minocycline] Ferraroni JJ. **Rev Saude Publica** 1983 Aug;17(4):328–31 (Eng. Abstr.) **(Por)**

TOXICITY

Some tetracycline drugs suppress mitogen-stimulated lymphocyte growth but others do not. Potts RC, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):127–32
The effect of protracted tetracycline treatment on bone growth and maturation. Simmons DJ, et al. **Clin Orthop** 1983 Nov;(180):253–9

TETRADECANOIC ACIDS see **MYRISTIC ACIDS**

TETRADECANOYLPHORBOL ACETATE see under **PHORBOLS**

TETRAETHYL LEAD see under **ORGANOMETALLIC COMPOUNDS**

TETRAETHYLAMMONIUM COMPOUNDS

METABOLISM

Tetraethylammonium transport by isolated perfused snake renal tubules. Hawk CT, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F476–87
Carrier-mediated transport systems of tetraethylammonium in rat renal brush-border and basolateral membrane vesicles. Takano M, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):113–24
Effect of piperonyl butoxide on organic anion and cation transport in rabbit kidneys. Kuo CH, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):165–71
In vitro renal transport of organic ions during exposure to hyperbaric helium. Small A, et al. **Undersea Biomed Res** 1983 Sep;10(3):157–68

PHARMACODYNAMICS

Further evidence for the purinergic inhibition of adrenergic neurotransmission in the rat portal vein. Enero MA. **Acta Physiol Lat Am** 1981;31(2):93–103
Kinetics of the TEA and 4-AP sensitive K+ current in the slowly adapting lobster stretch receptor neurone. Gestrelius S, et al. **Acta Physiol Scand** 1983 Jun;118(2):125–34
A late slow depolarization unmasked in the presence of tetraethylammonium in neonatal rat sympathetic neurons in vitro. Suppes T. **Brain Res** 1984 Feb 20;293(2):269–78
Effects of 4-aminopyridine and tetraethylammonium chloride on the electrical activity and cable properties of canine tracheal smooth muscle. Kannan MS, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):706–15
Further study of prerequisites for the enhancement by alpha-adrenoceptor antagonists of the release of noradrenaline. Limberger N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):240–6
An analysis of the postnatal development of the action potential repolarization process in the working ventricular myocardium of albino rats (effect of tea, frequency, verapamil and adrenaline). Pučelík P, et al. **Physiol Bohemoslov** 1983;32(5):419–29

URINE

Estimation of renal secretory function for organic cations by endogenous N1-methylnicotinamide in rats with experimental renal failure. Shim CK, et al. **J Pharmacokinet Biopharm** 1984 Feb;12(1):23–42

TETRAETHYLTHIURAM DISULFIDE see **DISULFIRAM**

TETRAGASTRIN see under **GASTRINS**

TETRAHYDRO-1,4-OXAZINES see **MORPHOLINES**

TETRAHYDROCANNABINOL

ADMINISTRATION & DOSAGE

Assessment of acute versus long-term effects of delta-9-tetrahydrocannabinol on social behavior and adaptability in group-living macaques. Sassenrath EN. **Prog Clin Biol Res** 1983;131:277–91

ADVERSE EFFECTS

Serious reactions to oral delta-9-tetrahydrocannabinol in cancer chemotherapy patients [letter] Dow GJ, et al. **Clin Pharm** 1984 Jan–Feb;3(1):14
Effects of marihuana smoking on pulmonary function in man. Evans MA, et al. **Med Law** 1984;3(3):253–61
[Effect of cannabis use on health] Negrete JC. **Acta Psiquiatr Psicol Am Lat** 1983 Dec;29(4):267–76 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

The confirmation of 9-carboxy-THC in urine by gas chromatography/mass spectrometry. Whiting JD, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1031–3
Anti-emetic efficacy and toxicity of nabilone, a synthetic cannabinoid, in lung cancer chemotherapy. Ahmedzai S, et al. **Br J Cancer** 1983 Nov;48(5):657–63
An initial evaluation of Nabilone in the control of radiotherapy-induced nausea and vomiting. Priestman TJ, et al. **Clin Radiol** 1984 Jul;35(4):265–6
Nabilone and high-dose metoclopramide: anti-emetics for cancer chemotherapy. **Drug Ther Bull** 1984 Feb 10; 22(3):9–11
Development of tolerance and cross-tolerance to the cataleptogenic effects of delta 8-tetrahydrocannabinol and 11-hydroxy-delta 8-tetrahydrocannabinol in mice. Watanabe K, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3–4):349–51
Cannabis extract, but not delta 1-tetrahydrocannabinol, inhibits human brain and liver monoamine oxidase. Schurr A, et al. **Gen Pharmacol** 1984;15(2):171–4
Analysis of the major metabolite of delta 9-tetrahydrocannabinol in urine. III. A GC/ECD procedure. ElSohly MA, et al. **J Anal Toxicol** 1984 Jan–Feb;8(1):7–9
Determination of delta 9-tetrahydrocannabinol-11-oic acid in urine as its pentafluoropropyl-pentafluoropropionyl derivative by GC/MS utilizing negative ion chemical ionization. Karlsson L, et al. **J Anal Toxicol** 1983 Jul–Aug; 7(4):198–202
Confirmation of cannabis use by the analysis of delta 9-tetrahydrocannabinol metabolites in blood and urine by combined HPLC and RIA. Law B, et al. **J Anal Toxicol** 1984 Jan–Feb;8(1):19–22
A novel 125I radioimmunoassay for the analysis of delta 9-tetrahydrocannabinol and its metabolites in human body fluids. Law B, et al. **J Anal Toxicol** 1984 Jan–Feb;8(1):14–8
Combination of liquid chromatography with ultraviolet detection and gas chromatography with electron-capture detection for the determination of delta 9-tetrahydrocannabinol-11-oic acid in urine. Karlsson L, et al. **J Chromatogr** 1984 Mar 9;306:183–9
Detection of marijuana metabolite 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid in human urine by bonded-phase adsorption and thin-layer chromatography. Kogan MJ, et al. **J Chromatogr** 1984 Mar 9;306:441–3
High performance liquid chromatography–immunoassay of delta 9-tetrahydrocannabinol and its metabolites in urine. Peat MA, et al. **J Forensic Sci** 1984 Jan;29(1):110–9
Synthesis and pharmacological activity of some 9-substituted delta 8-tetrahydrocannabinol analogues. Robertson LR, et al. **J Med Chem** 1984 Apr;27(4):550–2
9 alpha, 10 alpha-epoxyhexahydrocannabinol formation from delta 9-tetrahydrocannabinol by liver microsomes of phenobarbital-treated mice and its pharmacological activities in mice. Narimatsu S, et al. **J Pharmacobiodyn** 1983 Aug;6(8):558–64
Difference in epoxides formation and their further metabolism between delta 9- and delta 8-tetrahydrocannabinols by human liver microsomes. Yamamoto I, et al. **J Pharmacobiodyn** 1984 Apr;7(4):254–62
Respiratory and cardiovascular depressant effects of nabilone, N-methyllevonantradol and delta 9-tetrahydrocannabinol in anesthetized cats. Doherty PA, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):508–16
Cannabinoids and hCG levels in patients with testicular cancer [letter] Hogan P, et al. **Lancet** 1983 Nov 12; 2(8359):1144
Pharmacological potency of R- and S-3'-hydroxy-delta 9-tetrahydrocannabinol: additional structural requirement for cannabinoid activity. Martin BR, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):61–5
Acute effects of natural and synthetic cannabis compounds on prolactin levels in human males. Mendelson JH, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):103–6
[Randomized comparative trial of a new anti-emetic: nabilone, in cancer patients treated with cisplatin] George M, et al. **Biomed Pharmacother** 1983;37(1):24–7 (Eng. Abstr.) **(Fre)**
[Routine detection of the THC metabolite 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid in forensic practice] Hanke M, et al. **Z Rechtsmed** 1983;90(2):105–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Quantification of delta 1-tetrahydrocannabinol in tissues and body fluids. Lindgren JE. **Arch Toxicol [Suppl]** 1983; 6:74–80
The detection of delta 9-tetrahydrocannabinol in the breath of human subjects. Manolis A, et al. **Clin Biochem** 1983 Aug;16(4):229–33
Concentration and particle size distribution in smoke from marijuana cigarettes with different delta 9-tetrahydrocannabinol content. Hiller FC, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):451–4
A novel 125I radioimmunoassay for the analysis of delta 9-tetrahydrocannabinol and its metabolites in human body fluids. Law B, et al. **J Anal Toxicol** 1984 Jan–Feb;8(1):14–8
Synthetic tetrahydrocannabinol. Churchill KT. **J Forensic Sci** 1983 Jul;28(3):762–72

ANTAGONISTS & INHIBITORS

Naloxone blocks the effects of delta 9-tetrahydrocannabinol on serum luteinizing hormone and prolactin in rats. Kumar MS, et al. **Subst Alcohol Actions Misuse** 1983;4(5):347–53

BLOOD

Marijuana effect and delta-9-tetrahydrocannabinol plasma level. Chiang CW, et al. **Clin Pharmacol Ther** 1984 Aug; 36(2):234–8
The partitioning of delta 1-tetrahydrocannabinol into erythrocyte membranes in vivo and its effect on membrane fluidity. Leuschner JT, et al. **Experientia** 1984 Aug 15; 40(8):866–8
Detection and quantitation of tetrahydrocannabinol in serum using thin-layer chromatography and fluorometry. Vinson JA, et al. **J Chromatogr** 1984 May 11;307(2):493–9
Hemolyzed blood and serum levels of delta 9-THC: effects on the performance of roadside sobriety tests. Reeve VC, et al. **J Forensic Sci** 1983 Oct;28(4):963–71
Measurement of delta 9-tetrahydrocannabinol (THC) in whole blood samples from impaired motorists. Zimmerman EG, et al. **J Forensic Sci** 1983 Oct;28(4):957–62

DIAGNOSTIC USE

Acute effects of natural and synthetic cannabis compounds on prolactin levels in human males. Mendelson JH, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):103–6

METABOLISM

Interactions of cannabinoids with bovine serum albumin. Haque SJ, et al. **Biosci Rep** 1984 Mar;4(3):239–43
Human liver microsomal oxidation of delta 8-tetrahydrocannabinol. Yamamoto I, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1784–7
Analysis of the major metabolite of delta 9-tetrahydrocannabinol in urine. III. A GC/ECD procedure. ElSohly MA, et al. **J Anal Toxicol** 1984 Jan–Feb;8(1):7–9
9 alpha, 10 alpha-epoxyhexahydrocannabinol formation from delta 9-tetrahydrocannabinol by liver microsomes of phenobarbital-treated mice and its pharmacological activities in mice. Narimatsu S, et al. **J Pharmacobiodyn** 1983 Aug;6(8):558–64
Difference in epoxides formation and their further metabolism between delta 9- and delta 8-tetrahydrocannabinols by human liver microsomes. Yamamoto I, et al. **J Pharmacobiodyn** 1984 Apr;7(4):254–62
A comparison between the metabolism of delta 1-tetrahydrocannabinol by perfused lung and liver of rat and guinea-pig. Halldin MM, et al. **Xenobiotica** 1984 Mar;

14(3):277–82

PHARMACODYNAMICS

The mechanism of effect of delta-9-tetrahydrocannabinol. Siklenovský A. **Acta Univ Palacki Olomuc Fac Med** 1976; 80:175–82

The effect of delta-9-tetrahydrocannabinol (delta-9-THC) upon the release of unesterified fatty acids in the brain. Siklenovský A, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:183–8

Effect of cannabinoids on human Sertoli cell function in vitro. Holmes SD, et al. **Arch Androl** 1983 Dec;11(3):245–51

Effects of barbiturates in rats tolerant to delta 9-tetrahydrocannabinol. McMillan DE, et al. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):4–14

Pharmacological interaction of the effects of delta 9-trans-tetrahydrocannabinol and cannabidiol on serum corticosterone levels in rats. Zuardi AW, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):12–9

The hamster hippocampal slice: II. Neuroendocrine modulation. Chiaia N, et al. **Behav Neurosci** 1983 Dec; 97(6):839–43

Prostaglandins and cannabis—XIII. Cannabinoid-induced elevation of lipoxygenase products in mouse peritoneal macrophages. Burstein S, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2653–6

Influence of delta 9-tetrahydrocannabinol on expression of histone and ribosomal genes in normal and transformed human cells. Green LG, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1033–40

Acute cardiovascular effects of delta-9-tetrahydrocannabinol in pregnant anesthetized sheep. Cotterill RW, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):1–5

Analgesic interaction between nitrous oxide and delta-9-tetrahydrocannabinol in the rat. Novelli GP, et al. **Br J Anaesth** 1983 Oct;55(10):997–1000

Changes in body temperature and oxygen consumption rate of conscious mice produced by intrahypothalamic and intracerebroventricular injections of delta 9-tetrahydrocannabinol. Fitton AG, et al. **Br J Pharmacol** 1982 Feb;75(2):409–14

delta 9-Tetrahydrocannabinol-induced changes in beta-adrenergic receptor binding in mouse cerebral cortex. Hillard CJ, et al. **Brain Res** 1982 Mar 11;235(2):370–7

Effects of delta 9-tetrahydrocannabinol on cat spinal motoneurons. Turkanis SA, et al. **Brain Res** 1983 Dec 12; 288(1–2):283–7

Effects on variable-interval performance in rats of delta 9-tetrahydrocannabinol and cannabidiol, separately and in combination. Zuardi AW, et al. **Braz J Med Biol Res** 1983 Jul;16(2):141–6

Effects of delta 1- and delta 6-tetrahydrocannabinol on the adenylate cyclase activity in ventricular tissue of the rat heart. Li DM, et al. **Clin Exp Pharmacol Physiol** 1984 Jan–Feb;11(1):81–5

Relationships between several pharmacokinetic parameters and psychometric indices of subjective effects of delta 9-tetrahydrocannabinol in man. Miller LL, et al. **Eur J Clin Pharmacol** 1983;25(5):633–7

Development of tolerance and cross-tolerance to the cataleptogenic effects of delta 8-tetrahydrocannabinol and 11-hydroxy-delta 8-tetrahydrocannabinol in mice. Watanabe K, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3–4):349–51

Cannabis extract, but not delta 1-tetrahydrocannabinol, inhibits human brain and liver monoamine oxidase. Schurr A, et al. **Gen Pharmacol** 1984;15(2):171–4

The suppressive effect of delta-1-tetrahydrocannabinol on the steroidogenic activity of rat granulosa cells in culture. Lewysohn O, et al. **Horm Res** 1984;19(1):43–51

Marijuana-induced primary process content in the TAT. West A, et al. **J Pers Assess** 1983 Oct;47(5):466–7

Respiratory and cardiovascular depressant effects of nabilone, N-methyllevonantradol and delta 9-tetrahydrocannabinol in anesthetized cats. Doherty PA, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):508–16

Effects of marijuana on testosterone in male subjects. Barnett G, et al. **J Theor Biol** 1983 Oct 21;104(4):685–92

Interactions of delta 9-tetrahydrocannabinol (THC) with hypothalamic neurotransmitters controlling luteinizing hormone and prolactin release. Steger RW, et al. **Neuroendocrinology** 1983 Nov;37(5):361–70

Irritable aggression induced by delta 9-tetrahydrocannabinol in rats pretreated with 6-hydroxydopamine. Fujiwara M, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):457–62

The effects of delta 9-tetrahydrocannabinol on serum thyrotropin levels in the rat. Hillard CJ, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):547–50

The effects of SKF 525-A on the analgesic and barbiturate-potentiating activity of delta 9-tetrahydrocannabinol in mice and rats. Sofia RD, et al. **Pharmacology** 1983;27(4):223–36

Behavioral effects of prolonged administration of delta 9-tetrahydrocannabinol in the rat. Stiglick A, et al. **Psychopharmacology (Berlin)** 1983;80(4):325–30

Effects of delta 9-THC on plasma hormone levels in female mice. Dalterio SL, et al. **Subst Alcohol Actions Misuse** 1983; 4(5):339–45

Effects of the administration of coca alkaloids on the primary immune responses of mice: interaction with delta 9-tetrahydrocannabinol and ethanol. Watson ES, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):1–13

[Sex difference in the effects of delta 9-tetrahydrocannabinol and cannabidiol on pentobarbital-induced sleeping time and hepatic microsomal drug metabolizing enzyme systems in mice] Hamajima K, et al. **Yakugaku Zasshi** 1983 Dec; 103(12):1289–97 (Eng. Abstr.) **(Jpn)**

[Effect of delta 9-tetrahydrocannabinol on cortical evoked potentials] Machula AI, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):17–20 (Eng. Abstr.) **(Rus)**

[Monoaminergic component in the effect of D-9-tetrahydrocannabinol on conditioned reflex activity] Machula AI, et al. **Farmakol Toksikol** 1983 Jul–Aug; 46(4):23–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antiemetic therapy: a review of recent studies and a report of a random assignment trial comparing metoclopramide with delta-9-tetrahydrocannabinol. Gralla RJ, et al. **Cancer Treat Rep** 1984 Jan;68(1):163–72

Tetrahydrocannabinol vs. prochlorperazine. The effects of two antiemetics on patients undergoing radiotherapy. Ungerleider JT, et al. **Radiology** 1984 Feb;150(2):598–9

[A marihuana component for nausea and vomiting induced by chemo- and radiotherapy] Gez E, et al. **Harefuah** 1983 Nov 15;105(10):306–8 (Eng. Abstr.) **(Heb)**

TOXICITY

Effects of chronic administration of delta-9-tetrahydrocannabinol on early embryogenesis of the mouse. Shinohara O, et al. **Biol Reprod** 1983 Oct; 29(3):663–70

Intraocular pressure, ocular toxicity and neurotoxicity after administration of delta 9-tetrahydrocannabinol or cannabichromene. Colasanti BK, et al. **Exp Eye Res** 1984 Jan;38(1):63–71

Effects of delta 9-THC on pregnancy and offspring in rats. Abel EL. **Neurobehav Toxicol Teratol** 1984 Jan–Feb; 6(1):29–32

Early cannabinoid exposure influences neuroendocrine and reproductive functions in male mice: I. Prenatal exposure. Dalterio S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):107–13

Early cannabinoid exposure influences neuroendocrine and reproductive functions in mice: II. Postnatal effects. Dalterio S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):115–23

Effect of an acute dose of delta 9-THC on hypothalamic luteinizing hormone releasing hormone and met-enkephalin content and serum levels of testosterone and corticosterone in rats. Kumar MS, et al. **Subst Alcohol Actions Misuse** 1983;4(1):37–43

Pharmacological activity of the basic fraction of marihuana whole smoke condensate alone and in combination with delta-9-tetrahydrocannabinol in mice. Johnson JM, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):440–8

[Antagonistic effects of two natural cannabinoids on the isolated heart] Trouvé R, et al. **C R Seances Acad Sci [III]** 1983;297(4):191–4 (Eng. Abstr.) **(Fre)**

URINE

Analysis of the major metabolite of delta 9-tetrahydrocannabinol in urine II. A HPLC procedure. ElSohly MA, et al. **J Anal Toxicol** 1983 Nov–Dec; 7(6):262–4

TETRAHYDROCORTISOL see under **HYDROCORTISONE**

TETRAHYDROCORTISONE see under **CORTISONE**

TETRAHYDROFOLATE DEHYDROGENASE

ANALYSIS

A coupled radiometric assay for dihydrofolate reductase based on the oxidative decarboxylation of D-6-phospho-[1-14C]gluconate. Rathod PK, et al. **Anal Biochem** 1983 Sep;133(2):425–9

ANTAGONISTS & INHIBITORS

Pharmacokinetics of metioprim in normal subjects and patients with impaired renal function. Vergin H, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):190–3

Kinetics of methotrexate binding to dihydrofolate reductase from Neisseria gonorrhoeae. Baccanari DP, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2101–7

Methotrexate analogues—XVII. Antitumor activity of 4-amino-4-deoxy-N10-methylpteroyl-D,L-homocysteic acid and its dual inhibition of dihydrofolate reductase and folyl polyglutamate synthetase. Rosowsky A, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):155–61

Inhibition of dihydrofolate reductase from bacterial and vertebrate sources by folate, aminopterin, methotrexate and their 5-deaza analogues. Stone SR, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):175–9

A fluorescent analogue of methotrexate as a probe for folate antagonist molecular receptors. Susten SS, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1957–62

Properties of brodimoprim as an inhibitor of dihydrofolate reductases. Then RL, et al. **Chemotherapy** 1984;30(1):18–25

General distance geometry three-dimensional receptor model for diverse dihydrofolate reductase inhibitors. Ghose AK, et al. **J Med Chem** 1984 Jul;27(7):901–14

Crystallography, quantitative structure-activity relationships, and molecular graphics in a comparative analysis of the inhibition of dihydrofolate reductase from chicken liver and Lactobacillus casei by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(substituted-phe s. Hansch C, et al. **J Med Chem** 1984 Feb;27(2):129–43

Inhibition of human dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(substituted-phe s. A quantitative structure-activity relationship analysis. Hathaway BA, et al. **J Med Chem** 1984 Feb;27(2):144–9

Methotrexate analogues. 21. Divergent influence of alkyl chain length on the dihydrofolate reductase affinity and cytotoxicity of methotrexate monoesters. Rosowsky A, et al. **J Med Chem** 1984 May;27(5):605–9

Methotrexate analogues. 19. Replacement of the glutamate side chain in classical antifolates by L-homocysteic acid and L-cysteic acid: effect on enzyme inhibition and antitumor activity. Rosowsky A, et al. **J Med Chem** 1984 May;27(5):600–4

Methotrexate analogues. 20. Replacement of glutamate by longer-chain amino diacids: effects on dihydrofolate reductase inhibition, cytotoxicity, and in vivo antitumor activity. Rosowsky A, et al. **J Med Chem** 1983 Dec; 26(12):1719–24

Inhibition of dihydrofolate reductase and cell growth by antifolates in a methotrexate-resistant cell line. Hamrell MR. **Oncology** 1984;41(5):343–8

[Fragility of the X chromosome and inhibition of dihydrofolate reductase. Comparison of the effects of 2 antibiotics: trimethoprim and pyrimethamine] Calva-Mercado MP, et al. **Ann Genet (Paris)** 1983; 26(3):147–9 (Eng. Abstr.) **(Fre)**

[Action of tomizine (4-methoxy-6-aminopyrimido (4,5-b) (1,4)thiazine hydrochloride) on the physicochemical properties of the enzymes of folic acid metabolism—dihydrofolate reductase and nonspecific dihydrofolate reductase] Andreeva NA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):766–70 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The intracellular content of dihydrofolate reductase: possibilities for control and implications for chemotherapy. Bastow KF, et al. **Adv Enzyme Regul** 1984;22:15–26

Increased dihydrofolate reductase, double minutes and increased nucleolar activation in methotrexate-resistant HeLa cells. Delinassios JG, et al. **Experientia** 1983 Dec 15;39(12):1394–5

Growth-dependent expression of dihydrofolate reductase mRNA from modular cDNA genes. Kaufman RJ, et al. **Mol Cell Biol** 1983 Sep;3(9):1598–608

BLOOD

Cytochemical study of tetrahydrofolate dehydrogenase in chronic lymphocytic leukemia cells. Invernizzi R, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):742–9

DEFICIENCY

Hereditary abnormal transcobalamin II previously diagnosed as congenital dihydrofolate reductase deficiency [letter] Hoffbrand AV, et al. **N Engl J Med** 1984 Mar 22; 310(12):789–90

GENETICS

Amplification and organization of dihydrofolate reductase genes in a human leukemic cell line, K-562, resistant to methotrexate. Srimatkandada S, et al. **Biochemistry** 1983 Dec 6;22(25):5774–81

Rapid emergence of methotrexate resistance in cultured mouse cells. Rath H, et al. **Cancer Res** 1984 Aug; 44(8):3303–6

Gene amplification and altered enzymes as mechanisms for the development of drug resistance. Bertino JR, et al. **Cancer Treat Rep** 1983 Oct;67(10):901–4 (46 ref.)

Gene amplification and drug resistance in cultured animal cells. Schimke RT, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:9–17 (50 ref.)

Unstable DNA amplifications in methotrexate-resistant Leishmania consist of extrachromosomal circles which relocalize during stabilization. Beverley SM, et al. **Cell** 1984 Sep;38(2):431–9

Assignment of the native Chinese hamster dihydrofolate reductase gene to chromosome 2. Roberts M, et al. **Cytogenet Cell Genet** 1983;36(4):599–604

Vectors containing a prokaryotic dihydrofolate reductase gene transform Drosophila cells to methotrexate-resistance. Bourouis M, et al. **EMBO J** 1983;2(7):1099–104

Selective amplification in methotrexate-resistant mouse cells of an artificial dihydrofolate reductase transcription unit making use of cryptic splicing and polyadenylation sites. Breathnach R. **EMBO J** 1984 Apr;3(4):901–8

Nucleotide sequence of the dihydrofolate-reductase gene borne by the plasmid R67 and conferring methotrexate resistance. Brisson N, et al. **Gene** 1984 May;28(2):271–4

Genetic evidence for physical interactions between enzymes of nucleotide synthesis and proteins involved in DNA

replication in bacteriophage T4. Macdonald PM, et al. **Genetics** 1984 Jul;107(3):343–53
Regulatory changes in the formation of chromosomal dihydrofolate reductase causing resistance to trimethoprim. Flensburg J, et al. **J Bacteriol** 1984 Jul;159(1):184–90
Purification of dihydrofolate reductase amplified in Escherichia coli K–12. Iwakura M, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):1021–4
The functional human dihydrofolate reductase gene. Chen MJ, et al. **J Biol Chem** 1984 Mar 25;259(6):3933–43
5–fluorouracil modulation of dihydrofolate reductase RNA levels in methotrexate–resistant KB cells. Dolnick BJ, et al. **J Biol Chem** 1983 Nov 10;258(21):13299–306
Novel DNA rearrangements are associated with dihydrofolate reductase gene amplification. Federspiel NA, et al. **J Biol Chem** 1984 Jul 25;259(14):9127–40
Characterization of an R–plasmid dihydrofolate reductase with a monomeric structure. Joyner SS, et al. **J Biol Chem** 1984 May 10;259(9):5851–6
Gene amplification in a single cell cycle in Chinese hamster ovary cells. Mariani BD, et al. **J Biol Chem** 1984 Feb 10; 259(3):1901–10
Nucleotide sequence reveals overlap between T4 phage genes encoding dihydrofolate reductase and thymidylate synthase. Purohit S, et al. **J Biol Chem** 1984 May 25; 259(10):6261–6
A study of chromosomal changes associated with amplified dihydrofolate reductase genes in rat hepatoma cells and their dedifferentiated variants. Fougere–Deschatrette C, et al. **J Cell Biol** 1984 Aug;99(2):497–502
Dihydrofolate reductase gene expression in cultured mouse cells is regulated by transcript stabilization in the nucleus. Leys EJ, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):180–7
In vitro and in vivo analysis of the control of dihydrofolate reductase gene transcription in serum–stimulated mouse fibroblasts. Santiago C, et al. **J Cell Physiol** 1984 Jan; 118(1):79–86
Resistance to methotrexate due to gene amplification in a patient with acute leukemia. Carman MD, et al. **J Clin Oncol** 1984 Jan;2(1):16–20
Gene amplification in drug resistance: of mice and men. Curt GA, et al. **J Clin Oncol** 1984 Jan;2(1):62–4
Gene amplification in a leukemic patient treated with methotrexate. Horns RC Jr, et al. **J Clin Oncol** 1984 Jan; 2(1):2–7
Cytologic evidence for gene amplification in methotrexate–resistant cells obtained from a patient with ovarian adenocarcinoma. Trent JM, et al. **J Clin Oncol** 1984 Jan;2(1):8–15
Human dihydrofolate reductase gene organization. Extensive conservation of the G + C–rich 5' non–coding sequence and strong intron size divergence from homologous mammalian genes. Yang JK, et al. **J Mol Biol** 1984 Jun 25;176(2):169–87
Delayed processing of dihydrofolate reductase heterogeneous nuclear RNA in amino acid–starved mouse fibroblasts. Collins ML, et al. **Mol Cell Biol** 1983 Oct;3(10):1792–802
Moderate–level gene amplification in methotrexate–resistant Chinese hamster ovary cells is accompanied by chromosomal translocations at or near the site of the amplified DHFR gene. Flintoff WF, et al. **Mol Cell Biol** 1984 Jan;4(1):69–76
Phenotypic expression in Escherichia coli and nucleotide sequence of two Chinese hamster lung cell cDNAs encoding different dihydrofolate reductases. Melera PW, et al. **Mol Cell Biol** 1984 Jan;4(1):38–48
Expression of plasmid R388–encoded type II dihydrofolate reductase as a dominant selective marker in Saccharomyces cerevisiae. Miyajima A, et al. **Mol Cell Biol** 1984 Mar; 4(3):407–14
UV radiation facilitates methotrexate resistance and amplification of the dihydrofolate reductase gene in cultured 3T6 mouse cells. Tlsty TD, et al. **Mol Cell Biol** 1984 Jun;4(6):1050–6
DNA amplification and multidrug resistance [news] Borst P. **Nature** 1984 Jun 14–20;309(5969):580
DNA replication: a twofold amplified view [news] Denhardt DT. **Nature** 1984 Jun 7–13;309(5968):515
Expression of dihydrofolate reductase, and of the adjacent E1b region, in an Ad5–dihydrofolate reductase recombinant virus. Berkner KL, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):1925–41
Expression of the mouse dihydrofolate reductase cDNA in B. subtilis: a system to select mutant cDNAs coding for methotrexate resistant enzymes. Grange T, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3585–601
Construction and analysis of DNA sequence libraries from flow–sorted chromosomes: practical and theoretical considerations. Griffith JK, et al. **Nucleic Acids Res** 1984 May 11;12(9):4019–34
Chromosomal organization of the human dihydrofolate reductase genes: dispersion, selective amplification, and a novel form of polymorphism. Anagnou NP, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5170–4
Human dihydrofolate reductase gene is located in chromosome 5 and is unlinked to the related pseudogenes. Maurer BJ, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(5):1484–8
Loss of unstably amplified dihydrofolate reductase genes from mouse cells is greatly accelerated by hydroxyurea. Snapka RM, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7533–7
Directed mutagenesis of dihydrofolate reductase. Villafranca JE, et al. **Science** 1983 Nov 18;222(4625):782–8

IMMUNOLOGY

Immunochemical evidence for extensive ligand–induced conformational changes in Lactobacillus casei dihydrofolate reductase. Gronenborn AM, et al. **J Biol Chem** 1984 Jan 25;259(2):1082–5

ISOLATION & PURIFICATION

Multiple forms of L1210 dihydrofolate reductase differing in affinity for methotrexate. Duffy TH, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):352–8
A bifunctional thymidylate synthetase–dihydrofolate reductase in protozoa. Garrett CE, et al. **Mol Biochem Parasitol** 1984 Apr;11:257–65

METABOLISM

Pyrimidine metabolism in folate deficient lymphoblasts. Van Der Weyden MB, et al. **Adv Exp Med Biol** 1984;165 Pt A:525–9
Protonated state of methotrexate, trimethoprim, and pyrimethamine bound to dihydrofolate reductase. Cocco L, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):567–77
19F–n.m.r. studies of 3',5'–difluoromethotrexate binding to Lactobacillus casei dihydrofolate reductase. Molecular motion and coenzyme–induced conformational changes. Clore GM, et al. **Biochem J** 1984 Feb 1;217(3):659–66
Trimethoprim binding to bacterial and mammalian dihydrofolate reductase: a comparison by proton and carbon–13 nuclear magnetic resonance. Birdsall B, et al. **Biochemistry** 1983 Nov 22;22(24):5597–604
Catalytic mechanism of the dihydrofolate reductase reaction as determined by pH studies. Stone SR, et al. **Biochemistry** 1984 Jun 5;23(12):2753–8
A 1H n.m.r. study of the role of the glutamate moiety in the binding of methotrexate to Lactobacillus casei dihydrofolate reductase. Antonjuk DJ, et al. **Br J Pharmacol** 1984 Feb;81(2):309–15
The use of a fluorescent methotrexate probe to monitor the effects of three vinca alkaloids on a mixed population of parental L1210 and gene–amplified methotrexate–resistant cells by flow cytometry. Poppitt DG, et al. **Cancer Chemother Pharmacol** 1984;13(1):54–7
Utilization of an immunostaining technique to demonstrate heterogeneity in the content of dihydrofolate reductase in peripheral blast cells from a patient with acute lymphocytic leukemia. Grill SP, et al. **Cancer Res** 1984 Mar;44(3):1252–6
Role of the cellular oxidation–reduction state in methotrexate binding to dihydrofolate reductase and dissociation induced by reduced folates. Matherly LH, et al. **Cancer Res** 1984 Jun;44(6):2325–30
Tetrahydrofolate dehydrogenase in the bone marrow of rats experimentally treated with phenylhydrazine. Nano R, et al. **Cell Mol Biol** 1984;30(2):111–6
Methotrexate analogues. 23. Synthesis, dihydrofolate reductase affinity, cytotoxicity, and in vivo antitumor activity of some putative degradation products of methotrexate–poly(L–lysine) conjugates. Rosowsky A, et al. **J Med Chem** 1984 Jul;27(7):888–93
Kinetic and molecular properties of dihydrofolate reductase from pyrimethamine–sensitive and pyrimethamine–resistant Plasmodium chabaudi. Sirawaraporn W, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):355–67

TETRAHYDROFOLATES

ADMINISTRATION & DOSAGE

Identical efficacy of methotrexate regimens with N5–methyltetrahydrofolate rescue or with leucovorin rescue for treatment of L1210 murine leukemia. Nixon PF, et al. **Cancer Treat Rep** 1983 Jan;67(1):59–62

CEREBROSPINAL FLUID

The inability of oral leucovorin to elevate CSF 5–methyl–tetrahydrofolate following high dose intravenous methotrexate therapy. Allen J, et al. **J Neurooncol** 1983; 1(1):39–44

METABOLISM

Enzymatic activation of 5–formyltetrahydrofolate via conversion to 5, 10–methenyltetrahydrofolate. Huennekens FM, et al. **Adv Enzyme Regul** 1984;22:3–13
Intestinal transport of 5–methyltetrahydrofolate. Selhub J, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G515–20
The synthesis of acetyl–CoA by Clostridium thermoaceticum from carbon dioxide, hydrogen, coenzyme A and methyltetrahydrofolate. Pezacka E, et al. **Arch Microbiol** 1984 Jan;137(1):63–9
Response of methylenetetrahydrofolate levels to methotrexate in Krebs ascites cells. Sur P, et al. **Biochem J** 1983 Nov 15;216(2):295–8
Absorption of 5–methyltetrahydrofolate in rat jejunum with intact blood and lymphatic vessels. Said HM, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):402–8
Affinity labeling of the 5–methyltetrahydrofolate/methotrexate transport protein of L1210 cells by treatment with an N–hydroxysuccinimide ester of [3H]methotrexate. Henderson GB, et al. **J Biol Chem** 1984 Apr 10;259(7):4558–62
Methionine can open the methyl folate trap. **Nutr Rev** 1983 Oct;41(10):320–1

PHARMACODYNAMICS

The ionic mechanisms associated with the excitatory response of kainate, L–glutamate, quisqualate, ibotenate, AMPA and methyltetrahydrofolate on leech Retzius cells. Mat Jais AM, et al. **Comp Biochem Physiol [C]** 1984;77(1):115–26
Inhibition of mammalian xanthine oxidase by folate compounds and amethopterin. Lewis AS, et al. **J Biol Chem** 1984 Jan 10;259(1):12–5

THERAPEUTIC USE

Effect of methotrexate with 5–methyltetrahydrofolate rescue and dietary homocystine on survival of leukemic mice and on concentrations of liver adenosylamino acids. Hilton MA, et al. **Cancer Res** 1983 Nov;43(11):5210–6

TETRAHYDROHOMOFOLIC ACID see under **HOMOFOLIC ACID**

TETRAHYDROLINOLEIC ACIDS see **STEARIC ACIDS**

TETRAHYDRONAPHTHALENES see under **NAPHTHALENES**

TETRAHYDROPAPAVEROLINE see under **PAPAVERINE**

TETRAHYDROPTEROYLGLUTAMATE METHYLTRANSFERASE see under **METHYLTRANSFERASES**

TETRAHYDROURIDINE see under **URIDINE**

TETRAHYMENA

ANALYSIS

Lectins in the unicellular Tetrahymena. I. Lectin detection with FITC–labeled anti–lectins. Csaba G, et al. **Acta Histochem (Jena)** 1983;73(1):53–61
Ribosomal subunits and ribosomal proteins of Tetrahymena thermophila. Effect of the presence of iodoacetamide during ribosome extraction on the properties of the subunits. Pétridou B, et al. **Eur J Biochem** 1983 Oct 3; 135(3):425–34

CYTOLOGY

Different polypeptides in two homologous cellular structures: the microstomal and macrostomal oral apparatus of Tetrahymena vorax. Gulliksen OM, et al. **Dev Biol** 1984 Jun;103(2):511–6

DRUG EFFECTS

Mechanisms of action of aminoglycoside antibiotics in eucaryotic protein synthesis. Eustice DC, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):53–60

ENZYMOLOGY

Immunochemical evidence for participation of NADPH–cytochrome c reductase in microsomal fatty acyl–CoA desaturation of Tetrahymena cells lacking in cytochrome P–450. Fukushima H, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):456–62
The pathway of ATP hydrolysis by dynein. Kinetics of a presteady state phosphate burst. Johnson KA. **J Biol Chem** 1983 Nov 25;258(22):13825–32
Kinetic evidence for multiple dynein ATPase sites. Shimizu T, et al. **J Biol Chem** 1983 Nov 25;258(22):13841–6
Presteady state kinetic analysis of vanadate–induced inhibition of the dynein ATPase. Shimizu T, et al. **J Biol Chem** 1983 Nov 25;258(22):13833–40
Fatty acid desaturase specificity of Tetrahymena. Conner RL, et al. **Lipids** 1984 Apr;19(4):285–8
A site and strand specific nuclease activity with analogies to topoisomerase I frames the rRNA gene of Tetrahymena. Gocke E, et al. **Nucleic Acids Res** 1983 Nov 25; 11(22):7661–78

GENETICS

Chromatin structure at the replication origins and transcription–initiation regions of the ribosomal RNA genes of Tetrahymena. Palen TE, et al. **Cell** 1984 Apr; 36(4):933–42
DNA elimination in Tetrahymena: a developmental process involving extensive breakage and rejoining of DNA at defined sites. Yao MC, et al. **Cell** 1984 Feb;36(2):433–40
Micronucleus–specific DNA sequences in an amicronucleate mutant of Tetrahymena. Karrer K, et al. **Dev Biol** 1984 Sep;105(1):121–9
Stage–specific changes in protein synthesis during conjugation in Tetrahymena thermophila. Suhr–Jessen PB. **Exp Cell Res** 1984 Apr;151(2):374–83
Chromosome–designated mutation selection in Tetrahymena thermophila. Altschuler MI, et al. **Genetics** 1984 Mar; 106(3):387–401
Germ line–specific DNA sequences are present on all five micronuclear chromosomes in Tetrahymena thermophila.

Karrer KM. **Mol Cell Biol** 1983 Nov;3(11):1909–19

Cell surface interactions in conjugation: Tetrahymena ciliary membrane vesicles. Love B, et al. **Mol Cell Biol** 1984 Apr; 4(4):681–7

Cloning of abundant mRNA species present during conjugation of Tetrahymena thermophila: identification of mRNA species present exclusively during meiosis. Martindale DW, et al. **Mol Cell Biol** 1983 Oct;3(10):1857–65

Specific interaction between the self-splicing RNA of Tetrahymena and its guanosine substrate: implications for biological catalysis by RNA. Bass BL, et al. **Nature** 1984 Apr 26-May 2;308(5962):820–6

Tetrahymena H4 genes: structure, evolution and organization in macro- and micronuclei. Bannon GA, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1961–75

Nucleotide sequence of the 5'-terminal coding region for pre-rRNA and mature 17S rRNA in Tetrahymena thermophila rDNA. Engberg J, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):959–72

Sequence organization within and flanking clusters of 5S ribosomal RNA genes in Tetrahymena. Pederson DS, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):3003–21

Internal micronuclear DNA regions which include sequences homologous to macronuclear telomeres are deleted during development in Tetrahymena. Yokoyama R, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6103–16

GROWTH & DEVELOPMENT

Histone rearrangements accompany nuclear differentiation and dedifferentiation in Tetrahymena. Allis CD, et al. **Dev Biol** 1984 Feb;101(2):282–94

Tetrahymena. Adaptation to high iron. Rasmussen L, et al. **Exp Cell Res** 1984 Jul;153(1):236–9

Isolation and phenotypic characterization of Tetrahymena thermophila size mutants: the relationship between cell size and regulation of DNA content. Seyfert HM, et al. **J Cell Sci** 1984 Apr;67:203–15

IMMUNOLOGY

Insulin binding sites induced in the Tetrahymena by rat liver receptor antibody. Csaba G, et al. **Z Naturforsch [C]** 1984 Jan-Feb;39(1-2):183–5

METABOLISM

Lectins in the unicellular Tetrahymena. II. Impact of nutrition and sugar treatment on anti-lectin binding. Kovács P, et al. **Acta Histochem (Jena)** 1983;73(2):181–92

Incorporation of serine into the phospholipids of phosphatidylethanolamine-depleted Tetrahymena. Smith JD. **Arch Biochem Biophys** 1984 May 1;230(2):525–32

Developmental rearrangements associated with a single type of expressed alpha-tubulin gene in Tetrahymena. Callahan RC, et al. **Cell** 1984 Feb;36(2):441–5

Calcium/calmodulin-regulated guanylate cyclase and calcium-permeability in the ciliary membrane from Tetrahymena. Schultz JE, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):89–94

Tetrahymena histone H2A. Acetylation in the N-terminal sequence and phosphorylation in the C-terminal sequence. Fusauchi Y, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):147–54

Purification and some properties of a new Ca2+-binding protein (TCBP-10) present in tetrahymena cilium. Ohnishi K, et al. **J Biol Chem** 1983 Nov 25;258(22):13978–85

Studies on transcription termination and splicing of the rRNA precursor in vivo in the presence of proflavine. Nielsen OF, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):873–86

PHYSIOLOGY

A quantitative assay for ciliate chemotaxis. Leick V, et al. **Anal Biochem** 1983 Dec;135(2):466–9

The temperature-dependent emission of low frequency sound by motile cultures of the ciliate Tetrahymena thermophilia. Hill RJ. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):190–5

Mechanism for adaptive modification during cold acclimation of phospholipid acyl chain composition in Tetrahymena. I. Principal involvement of deacylation-reacylation. Kameyama Y, et al. **Biochim Biophys Acta** 1984 Mar 27; 793(1):28–33

Mechanism for adaptive modification during cold acclimation of phospholipid acyl chain composition in Tetrahymena. II. Activities of 2-acyl-sn-glycerol-3-phosphorylcholine and 2-acyl-sn-glycerol-3- phosphorylethanolamine acyltransferases involving the reacylation. Yoshioka S, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):34–41

The generation of ciliary motion. Satir P. **J Protozool** 1984 Feb;31(1):8–12

Membrane protein differences correlated with the development of mating competence in Tetrahymena thermophila. Van Bell CT, et al. **J Protozool** 1984 Feb; 31(1):112–6

A microtubule meshwork associated with gametic pronucleus transfer across a cell-cell junction. Orias JD, et al. **Science** 1983 Oct 14;222(4620):181–4

ULTRASTRUCTURE

Attachment of the cap to the central microtubules of Tetrahymena cilia. Dentler WL. **J Cell Sci** 1984 Mar; 66:167–73

Isolation and ultrastructural characterization of secretory mutants of Tetrahymena thermophila. Orias E, et al. **J Cell Sci** 1983 Nov;64:49–67

Surface membrane regeneration in deciliated Tetrahymena. Williams NE. **J Cell Sci** 1983 Jul;62:407–17

Nucleosome phasing in Tetrahymena macronuclei. Pratt K, et al. **J Protozool** 1983 Aug;30(3):592–8

TETRAHYMENA PYRIFORMIS

ANALYSIS

Tetrahymena histone H3. Purification and two variant sequences. Hayashi T, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1741–9

DRUG EFFECTS

Influence of plant hormones (indoleacetic acid, gibberelline, naphthyl-acetic acid and kinetine) on the growth of Tetrahymena pyriformis. Csaba G, et al. **Cell Biol Int Rep** 1984 Mar;8(3):181

Phylogenetic changes in sensitivity to Anemonia sulcata toxin (ATX II), and impact of first interaction with the toxin (imprinting) on later response to it. Csaba G, et al. **Comp Biochem Physiol [C]** 1984;77(1):153–5

Inhibition of growth and of thymidine incorporation into DNA in Tetrahymena by chlorpromazine, pimozide and penfluridol. Keegan FP, et al. **J Protozool** 1983 May; 30(2):397–402

ENZYMOLOGY

Calcium/calmodulin-regulated guanylate cyclases in the ciliary membranes from Paramecium and tetrahymena. Schultz JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:275–83

Inhibitory effect of bovine brain calmodulin on calmodulin-dependent stimulation of plasma membrane-bound guanylate cyclase in Tetrahymena pyriformis. Kudo S, et al. **Biochem Int** 1983 Sep;7(3):361–7

Calmodulin-dependent enzymic phosphorylation of dolichol in Tetrahymena pyriformis. Gandhi CR, et al. **Biochem J** 1983 Nov 15;216(2):317–23

Effects of local anesthetics on calmodulin-dependent guanylate cyclase in the plasma membrane of Tetrahymena pyriformis. Muto Y, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3559–63

Repression by dexamethasone of epinephrine-induced modulation of the fatty acyl-CoA desaturase system in Tetrahymena microsomes. Umeki S, et al. **Eur J Biochem** 1984 Jul 16;142(2):355–9

GENETICS

Control of tubulin and actin gene expression in Tetrahymena pyriformis during the cell cycle. Zimmerman AM, et al. **FEBS Lett** 1983 Dec 12;164(2):318–21

GROWTH & DEVELOPMENT

Involvement of Tetrahymena intermediate filament protein, a 49K protein, in the oral morphogenesis. Numata O, et al. **Exp Cell Res** 1983 Oct;148(1):207–20

IMMUNOLOGY

Immunomodulation by Tetrahymena pyriformis. Makioka A, et al. **Microbiol Immunol** 1984;28(4):503–7

METABOLISM

Halothane effects on ATP content and uridine uptake and phosphorylation in Tetrahymena pyriformis. Conklin KA, et al. **Anesthesiology** 1984 Jul;61(1):78–82

The effect of cholesterol on ubiquinone and tetrahymanol biosynthesis in Tetrahymena pyriformis. Wilton DC. **Biochem J** 1983 Oct 15;216(1):203–6

Thermal diminution and augmentation of the retention of transportable rRNA in nuclear envelope-free nuclei. Wunderlich F, et al. **Biochim Biophys Acta** 1984 Jun 16; 782(2):187–94

Ca2+ transport in mitochondria of the ciliate protozoan Tetrahymena pyriformis. Kim JV, et al. **Cell Calcium** 1984 Feb;5(1):29–41

Abundance of tubulin mRNA on polysomes following deciliation and during the synchronous cell cycle of Tetrahymena. Bird RC, et al. **Cell Tissue Kinet** 1984 Sep; 17(5):535–44

Regulation of ribosome synthesis in Tetrahymena pyriformis. 3. Analysis by translation in vitro of RNA isolated during nutritional shift-down and nutritional shift-up. Andreasen PH, et al. **Eur J Biochem** 1984 May 2;140(3):485–92

Regulation of ribosome synthesis in Tetrahymena pyriformis. 1. Coordination of synthesis of ribosomal proteins and ribosomal RNA during nutritional shift-down. Dreisig H, et al. **Eur J Biochem** 1984 May 2;140(3):469–75

Regulation of ribosome synthesis in Tetrahymena pyriformis. 2. Coordination of synthesis of ribosomal proteins and ribosomal RNA during nutritional shift-up. Dreisig H, et al. **Eur J Biochem** 1984 May 2;140(3):477–83

Response of Tetrahymena pyriformis to stress induced by starvation. Galego L, et al. **Eur J Biochem** 1984 Feb 15; 139(1):163–71

Size maturation process of nascent DNA intermediates into chromosomal-sized DNA in Tetrahymena pyriformis macronuclear DNA replication. Kozu T, et al. **Exp Cell Res** 1983 Nov;149(1):189–200

'Stress-proteins' are induced in Tetrahymena pyriformis by histidinol but not in mammalian (L-929) cells. Ron A, et al. **Exp Cell Res** 1984 Jul;153(1):158–66

Comparative study of the internalization and nuclear localization of amino acid type hormones in Tetrahymena and rat lymphocytes. Csaba G, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):61–7

Interaction of trifluoperazine with Tetrahymena calmodulin. A 19F NMR study. Shimizu T, et al. **FEBS Lett** 1984 Jan 30;166(2):373–7

Purification and characterization of microsomal cytochrome b560ms from a unicellular eukaryote Tetrahymena pyriformis. Fukushima H, et al. **J Biol Chem** 1983 Oct 10; 258(19):11991–6

On the formation of alpha-hydroxy fatty acids. Evidence for a direct hydroxylation of nonhydroxy fatty acid-containing sphingolipids. Kaya K, et al. **J Biol Chem** 1984 Mar 25;259(6):3548–53

The mechanism of membrane response to chilling. Effect of temperature on phospholipid deacylation and reacylation reactions in the cell surface membrane. Ramesha CS, et al. **J Biol Chem** 1984 Jul 25;259(14):8706–12

Thermal down-regulation of exportable rRNA in nuclei. Wunderlich F, et al. **J Cell Physiol** 1984 Aug;120(2):211–8

Temperature-induced changes in the hydroxy and non-hydroxy fatty acid-containing sphingolipids abundant in the surface membrane of Tetrahymena pyriformis NT-1. Kaya K, et al. **J Lipid Res** 1984 Jan;25(1):68–74

[Microbiological assay of pantothenic acid in rat liver using Tetrahymena] Lhuissier M. **Int J Vitam Nutr Res** 1983; 53(4):394–7 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Proliferation of Legionella pneumophila as an intracellular parasite of the ciliated protozoan Tetrahymena pyriformis. Fields BS, et al. **Appl Environ Microbiol** 1984 Mar; 47(3):467–71

Poliovirus and echovirus survival in Tetrahymena pyriformis culture in vivo. Daneš L, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):193–200

PHYSIOLOGY

Changes in thermal phase transition of various membranes during temperature acclimation in Tetrahymena. Nakayama H, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):311–6

Thermoadaptive regulation of microsomal desaturase and electron-transport enzyme activities in lipid-manipulated Tetrahymena cells. Extent of unsaturated fatty acid production is dependent on membrane fluidity before temperature down-shift. Umeki S, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):123–8

RADIATION EFFECTS

[The effect of ultraviolet irradiation on the protozoan Tetrahymena pyriformis] Ništiar F, et al. **Vet Med (Praha)** 1983 Jul;28(7):443–8 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Modulation by dexamethasone of the fatty acyl-CoA desaturase system in Tetrahymena microsomes. Umeki S, et al. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):401–7

A STEM approach to the study of the proteinaceous architecture of a ribosome. Curgy JJ, et al. **Biol Cell** 1984; 50(3):247–54

Evidence for a vertical displacement of intramembranous particles on the plasma membrane of Tetrahymena cells by a local anesthetic. Sekiya T, et al. **Cell Struct Funct** 1983 Jun;8(2):185–91

Coated pits with pinocytosis in Tetrahymena. Nilsson JR, et al. **J Cell Sci** 1983 Sep;63:209–22

TETRAISOPROPYLPYROPHOSPHAMIDE see under **ORGANOPHOSPHORUS COMPOUNDS**

TETRAKAIN see **TETRACAINE**

TETRALOGY OF FALLOT

From cyanotic infant to acyanotic adult – the odyssey of blue babies. Perloff JK, et al. **West J Med** 1983 Nov; 139(5):673–87 (137 ref.)

COMPLICATIONS

Tetralogy of Fallot with absent pulmonic valve: analysis of 17 patients. Fischer DR, et al. **Am J Cardiol** 1984 May 15;53(10):1433–7

Ventricular arrhythmia in unrepaired and repaired tetralogy of Fallot. Relation to age, timing of repair, and haemodynamic status. Deanfield JE, et al. **Br Heart J** 1984 Jul;52(1):77–81

Life threatening ventricular tachycardias in late survivors of surgically corrected tetralogy of Fallot. Dunnigan A, et al. **Br Heart J** 1984 Aug;52(2):198–206

Mitral valve abnormalities in patients with right ventricular pressure overload. Analysis by real time cross sectional echocardiography. Nagata S, et al. **Br Heart J** 1984 Aug;

52(2):186–90

Tetralogy of Fallot with absent pulmonary valve: definitive diagnosis by two-dimensional echocardiography. Carminati M, et al. **G Ital Cardiol** 1983 Aug;13(8):118–21

Tetralogy of Fallot associated with total anomalous pulmonary venous drainage. Gutiérrez J, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):293–5

[A rare pathological association: Fallot's tetralogy and asymmetric septal hypertrophy] Grinneiser D, et al. **Arch Mal Coeur** 1984 May;77(5):577–80 (Eng. Abstr.) **(Fre)**

[Coarctation of the aorta and Fallot's tetralogy. Apropos of 2 cases] Rey C, et al. **Arch Mal Coeur** 1984 May; 77(5):526–33 (Eng. Abstr.) **(Fre)**

[Atrioventricular connection anomalies associated with Fallot's tetralogy: bidimensional echocardiographic study] Valsecchi O, et al. **G Ital Cardiol** 1983 Aug;13(8):91–7 (Eng. Abstr.) **(Ita)**

[Idiopathic hypoparathyroidism with tetralogy of Fallot] Morohashi F, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:152–4 **(Jpn)**

[Surgical management of severe respiratory failure caused by vascular anomalies in early infants and neonates] Akasaka T, et al. **Kyobu Geka** 1984 Feb;37(2):142–7 (Eng. Abstr.) **(Jpn)**

[Cineangiocardiographic diagnosis of ventricular septal defect in tetralogy of Fallot] Arisawa J, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 May 25; 43(5):663–70 (Eng. Abstr.) **(Jpn)**

[Tetralogy of Fallot with a conus defect associated with a common atrioventricular canal and atrioventricular discordance [IDN]. A case report] Sakai A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):255–60 (Eng. Abstr.) **(Jpn)**

[New possibilities for monitoring beta-adrenoblocker treatment of hypoxic states in young children with the tetralogy of Fallot] Ivanov AA. **Pediatriia** 1984 Apr; (4):20–2 (Eng. Abstr.) **(Rus)**

[Valvular stenosis of the pulmonary artery in tetralogy of Fallot] Berishvili II. **Ter Arkh** 1983;55(9):142–5 (Eng. Abstr.) **(Rus)**

[Type A cervical aortic arch. Report of a case associated with tetralogy of Fallot and pulmonary branch stenosis] Vázquez C, et al. **Rev Esp Cardiol** 1983;36(3):265–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Electrocardiogram of the month. Johnson CD. **Bol Asoc Med PR** 1983 Mar;75(3):125–6

Tetralogy of Fallot in the elderly. Chin J, et al. **Clin Cardiol** 1984 Aug;7(8):453–6

Echocardiographic features of truncal abnormalities. Special emphasis to the evaluation of pulmonary arteries. Vitarelli A, et al. **G Ital Cardiol** 1984 Apr;14(4):245–52

[Evaluation of the pulmonary artery and its branches by two-dimensional echocardiography in the tetralogy of Fallot and pulmonary atresia in infants. Angiocardiographic correlation and therapeutic implications] Cloez JL, et al. **Arch Fr Pediatr** 1984 May; 41(5):307–12 (Eng. Abstr.) **(Fre)**

[Tetralogy of Fallot. Subcostal approach in bidimensional echocardiography] de Leva F, et al. **G Ital Cardiol** 1984 Feb;14(2):113–20 (Eng. Abstr.) **(Ita)**

[Two-dimensional echocardiographic diagnosis of tetralogy of Fallot with a total conus defect] Oguni H, et al. **J Cardiogr** 1983 Sep;13(3):649–59 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Familial DiCeorge syndrome with tetralogy of Fallot and prolonged survival. Winter WE, et al. **Eur J Pediatr** 1984 Jan;141(3):171–2

HISTORY

Whose tetralogy is it? A short history of the tetralogy of Fallot. Duke M. **Conn Med** 1984 Feb;48(2):103–4

Landmark article May 19, 1945: The surgical treatment of malformations of the heart in which there is pulmonary stenosis or pulmonary atresia. By Alfred Blalock and Helen B. Taussig. **JAMA** 1984 Apr 27;251(16):2123–38

Landmark perspective: The Blalock–Taussig operation and subsequent progress in surgical treatment of cardiovascular diseases. McNamara DG. **JAMA** 1984 Apr 27; 251(16):2139–41

MORTALITY

Prognosis of Fallot's tetralogy after palliative operations: 10–25 year follow-up. Presbitero P, et al. **Pediatr Cardiol** 1983 Jul–Sep;4(3):175–82

PATHOLOGY

Tetralogy of Fallot—anatomic profile. Kinare SG. **J Assoc Physicians India** 1983 Mar;31(3):153–7

Complete atrioventricular canal associated with tetralogy of Fallot. Morphologic and surgical considerations. Uretzky G, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):756–66

Development of left ventricular muscle in tetralogy of Fallot. Fukuda J, et al. **Jpn Circ J** 1984 May;48(5):465–73

A morphometrical study of myocardial disarray associated with right ventricular outflow tract obstruction. Kawai S, et al. **Jpn Circ J** 1984 May;48(5):445–56

Total anomalous pulmonary venous drainage associated with tetralogy of Fallot: report of a case. Gerlis LM, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):297–9

[Pulmonary and bronchial arterial changes in Fallot's tetralogy] Xie TH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):59–64 **(Chi)**

[Williams–Beuren facies with mental retardation and tetralogy of Fallot] Pernot C, et al. **Pediatrie** 1984 Jan–Feb; 39(1):53–8 (Eng. Abstr.) **(Fre)**

[Surgical anatomy of the right ventricular outflow tract in tetrad of Fallot] Berishvili II, et al. **Grudn Khir** 1983 Jul–Aug;(4):15–22 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cross sectional echocardiographic assessment of left ventricular volume and ejection fraction in patients with tetralogy of Fallot. Comparison with biplane angiographic measurements. Oberhänsli I, et al. **Br Heart J** 1984 Aug; 52(2):191–7

[Left ventricular regional wall motion after correction of tetralogy of Fallot] Watanabe K, et al. **J Cardiogr** 1983 Dec;13(4):959–66 (Eng. Abstr.) **(Jpn)**

[Right and left ventricular volume characteristics in patients with postoperative tetralogy of Fallot, with special reference to residual PSI and extent of outflow patch] Nakazawa M, et al. **Kokyu To Junkan** 1983 Dec; 31(12):1361–6 (Eng. Abstr.) **(Jpn)**

[Left ventricular function in adults with tetralogy of Fallot] Takabayashi W, et al. **Kokyu To Junkan** 1983 Jul; 31(7):775–80 (Eng. Abstr.) **(Jpn)**

[Hemodynamic study shortly after intracardiac repair of tetralogy of Fallot in adults] Nishida H, et al. **Kyobu Geka** 1983 Dec;36(12):935–42 (Eng. Abstr.) **(Jpn)**

[Hemodynamic studies of tetralogy of Fallot immediately after total correction] Ohtake S. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):324–37 (Eng. Abstr.) **(Jpn)**

[Case of full-term pregnancy and normal labor in a patient with tetralogy of Fallot] Rumiński W, et al. **Kardiol Pol** 1983;26(3):267–71 (Eng. Abstr.) **(Pol)**

[Prediction of postoperative pressure between the right and left ventricles in tetralogy of Fallot based on angiocardiographic findings] Wermeński K, et al. **Kardiol Pol** 1983;26(11–12):841–5 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Radiological case of the month. Tetralogy of Fallot with absent pulmonary valve. Portman MA, et al. **Am J Dis Child** 1984 Jul;138(7):697–8

Tetralogy of Fallot with atrioventricular canal. An angiographic study. Nath PH, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):421–30

[X-ray observation of Fallot's tetralogy] Jiang SL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):69–70 **(Chi)**

[Indices of bronchial arteriography and features of its performance in the tetrad of Fallot] Kokov LS. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):65–70 (Eng. Abstr.) **(Rus)**

[Anatomo-angiocardiographic correlations in tetralogy of Fallot] Petrosian IuS, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):21–6 (Eng. Abstr.) **(Rus)**

[Axial angiography in tetralogy of Fallot] Ovseyevitz J, et al. **Arch Inst Cardiol Mex** 1983 May–Jun;53(3):223–8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Pre-and postoperative Tc 99m scanning in monitoring pulmonary perfusion in the tetralogy of Fallot. Vosa C, et al. **Ital J Surg Sci** 1984;14(1):21–4

SURGERY

Sustained ventricular tachycardia after repair of tetralogy of Fallot: new electrophysiologic findings [letter] Mehta AV, et al. **Am J Cardiol** 1984 Mar 15;53(7):989

'Massive' calcification of a right ventricular outflow parietal pericardial patch in tetralogy of Fallot. Ross EM, et al. **Am J Cardiol** 1984 Sep 1;54(6):691–2

Unilateral pulmonary oedema. Management of severe hypoxaemia by endobronchial intubation and ventilation in a five-year-old child. So AP, et al. **Anaesth Intensive Care** 1984 May;12(2):168–71

Yet another hazard of percutaneous central venous cannulation [letter] Watson D, et al. **Anesthesiology** 1984 May;60(5):524

Pulmonary valve replacement for regurgitation after repair of tetralogy of Fallot. Misbach GA, et al. **Ann Thorac Surg** 1983 Dec;36(6):684–91

Long-term prognosis (15 to 26 years) after repair of tetralogy of Fallot: I. Survival and symptomatic status. Rosenthal A, et al. **Ann Thorac Surg** 1984 Aug;38(2):151–6

The surgical treatment of tetralogy of Fallot. Sánchez HE, et al. **Ann Thorac Surg** 1984 May;37(5):431–6

Two-dimensional echocardiographic detection of left pulmonary artery aneurysm following Potts' anastomosis. Lakhani ZM, et al. **Chest** 1983 Dec;84(6):782–3

Analysis of adults with and without complex ventricular arrhythmias after repair of tetralogy of Fallot. Burns RJ, et al. **J Am Coll Cardiol** 1984 Aug;4(2):226–33

Balloon embolization to occlude a Blalock–Taussig shunt. Florentine M, et al. **J Am Coll Cardiol** 1984 Jan;3(1):200–2

Ventricular arrhythmias and biventricular dysfunction after repair of tetralogy of Fallot. Kavey RE, et al. **J Am Coll Cardiol** 1984 Jul;4(1):126–31

Aneurysmal degeneration of Blalock–Taussig shunts: identification and surgical treatment options. Scott WC, et al. **J Am Coll Cardiol** 1984 May;3(5):1277–81

Surgical management of tetralogy of Fallot with absent pulmonary valve. Mavroudis C, et al. **J Cardiovasc Surg (Torino)** 1983 Nov–Dec;24(6):603–9

Blalock shunt: procedure of choice in infants. Roh MS, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):1–4

Hemodynamic effect of isoprenaline and dobutamine immediately after correction of tetralogy of Fallot. Relative importance of inotropic and chronotropic action in supporting cardiac output. Jaccard C, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):862–9

Left ventricular volume as a predictor of postoperative hemodynamics and a criterion for total correction of tetralogy of Fallot. Nomoto S, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):389–94

Short-term hemodynamic results after right ventricular outflow tract reconstruction using a cusp-bearing transannular patch. Sievers HH, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):777–83

President lecture. Recent advance in total correction of tetralogy of Fallot. Manabe H. **Jpn Circ J** 1984 Jan; 48(1):1–10

Total correction of tetralogy of Fallot in adults. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):23–7

False aneurysm of the right ventricle due to endocarditis after heart surgery. Pellinen TJ, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):53–5

Vertebrobasilar ischemia after total repair of tetralogy of Fallot: significance of subclavian steal created by Blalock–Taussig anastomosis. Vertebrobasilar ischemia after correction of tetralogy of Fallot. Kurlan R, et al. **Stroke** 1984 Mar–Apr;15(2):359–62

Tetralogy of Fallot. Development of hypoplastic pulmonary arteries after palliation. Laas J, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):133–8

Combined chylopericardium and chylothorax after total correction of Fallot's tetralogy. Papaioannou Y, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):115–6

[Palliative surgical treatment in tetralogy of Fallot (20 years' experience)] Khristov G, et al. **Khirurgiia (Sofiia)** 1984; 37(3):219–23 (8 ref.) (Eng. Abstr.) **(Bul)**

[A reappraisal of the 'dredging' procedure of the right ventricular outflow tract for the treatment of tetralogy of Fallot with hypoplastic pulmonary artery] Ding WX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):27–30 (Eng. Abstr.) **(Chi)**

[Surgical experience in total correction of tetralogy of Fallot in children under 5—report of 20 cases] Ding WX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep; 11(3):172–5 (Eng. Abstr.) **(Chi)**

[Reoperations after surgical correction of tetralogy of Fallot] Bical O, et al. **Arch Mal Coeur** 1984 Jun;77(6):595–9 (Eng. Abstr.) **(Fre)**

[Long-term evaluation, physical and sports activities after correction of tetralogy of Fallot] Bouhour JB, et al. **Arch Mal Coeur** 1984 May;77(5):543–9 (Eng. Abstr.) **(Fre)**

[Sustained ventricular tachycardia 7 years after complete correction of tetralogy of Fallot] Guillerm F, et al. **Arch Mal Coeur** 1984 Jul;77(7):840–5 (Eng. Abstr.) **(Fre)**

[Exudative enteropathy and residual tricuspid insufficiency following repair of tetralogy of Fallot. Regression following tricuspid valvuloplasty] Landau JF, et al. **Arch Mal Coeur** 1984 Feb;77(2):228–32 (Eng. Abstr.) **(Fre)**

[Long-term evolution of children operated on for tetralogy of Fallot] Friedli B, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1645–50 (Eng. Abstr.) **(Fre)**

[Tetralogy of Fallot with congenital absence of a pulmonary artery. Apropos of 4 cases] Laborde F, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3043–6 (Eng. Abstr.) **(Fre)**

[Long-term results of a deliberate conservative approach in the radical correction of tetralogy of Fallot] Piccoli GP, et al. **Minerva Cardioangiol** 1984 Jun;32(6):393–403 (Eng. Abstr.) **(Ita)**

[Surgical treatment with central palliation for tetralogy of Fallot] Abe T, et al. **Kyobu Geka** 1983 Dec;36(11):899–904 (Eng. Abstr.) **(Jpn)**

[Surgery of pentalogy of Fallot with Bernard–Soulier syndrome] Fujiwara Y, et al. **Kyobu Geka** 1983 Jun; 36(6):505–9 (Eng. Abstr.) **(Jpn)**

[Palliative right ventricle outflow reconstruction in tetralogy of Fallot in children] Harada M, et al. **Kyobu Geka** 1983 Oct;36(10):773–83 (Eng. Abstr.) **(Jpn)**

[High dose furosemide for treatment of acute renal failure following radical operation of tetralogy of Fallot] Kidani M, et al. **Kyobu Geka** 1984 Apr;37(4):316–9 (Eng. Abstr.) **(Jpn)**

[Emergency shunt operations in neonatal period and early infancy. Combined method of Blalock–Taussig shunt with formalin infiltration to the ductus] Sese A, et al. **Kyobu Geka** 1984 Feb;37(2):120–5 (Eng. Abstr.) **(Jpn)**

[Total correction of tetralogy of Fallot in adults—report of

a case] Watanabe S, et al. **Kyobu Geka** 1984 May; 37(5):376–83 (Eng. Abstr.) **(Jpn)**

[Current status of cardiac surgery for congenital heart disease— tetralogy of Fallot and double outlet right ventricle] Matsuda H, et al.
Nippon Geka Gakkai Zasshi 1983 Sep;84(9):808–12 (Eng. Abstr.) **(Jpn)**

[Total correction of tetralogy of Fallot in adults. Comparison between one-step surgery and two-steps corrective surgery] Abe T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1983 Aug;31(8):1250–7 (Eng. Abstr.) **(Jpn)**

[Significance of the left ventricular end-diastolic volume and stroke volume in tetralogy of Fallot—their relation to postoperative hemodynamics and the indication for radical surgery] Nomoto S, et al.
Nippon Kyobu Geka Gakkai Zasshi 1983 Mar;31(3):271–8 (Eng. Abstr.) **(Jpn)**

[Repair of complete atrioventricular canal associated with tetralogy of Fallot: report of two successfully treated cases] Ueda Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):216–24 (Eng. Abstr.) **(Jpn)**

[Case of tetralogy of Fallot associated with rudimentary pulmonary valve—intracardiac repair with pulmonary valve insertion] Hoshino S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):741–6 (Eng. Abstr.) **(Jpn)**

[Early postoperative hemodynamics studies and care following open heart surgery in infants—with special reference to ventricular septal defect, complete endocardial cushion defect and tetralogy of Fallot] Imamura Y, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):537–43 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of stenosis of the right pulmonary artery during radical correction of tetralogy of Fallot after earlier Waterstone–Cooley anastomosis] Burakovskiĭ VI, et al.
Grudn Khir 1983 Sep–Oct;(5):37–41 (Eng. Abstr.) **(Rus)**

[Radical correction of the tetralogy of Fallot complicated by infectious endocarditis] Shevchenko IuL. **Grudn Khir** 1984 May–Jun;(3):71–2 **(Rus)**

[Choice of the method of aortopulmonary anastomosis in Fallot's tetrad in young children] Volkolakov IaV, et al. **Grudn Khir** 1984 Jan–Feb;(1):27–31 (Eng. Abstr.) **(Rus)**

[Evaluation of bronchial circulatory disorders and its value in the surgical treatment of tetralogy of Fallot] Volynskiĭ IuD, et al. **Grudn Khir** 1984 May–Jun;(3):20–5 (Eng. Abstr.) **(Rus)**

[Case of successful correction of tetralogy of Fallot with abnormal branching-out of the left the pulmonary artery from the ascending aorta] Zinkovskiĭ MF, et al.
Grudn Khir 1984 May–Jun;(3):75–7 **(Rus)**

[Radical correction of tetralogy of Fallot in anomalous branching of the coronary arteries] Zin'kovskiĭ MF.
Grudn Khir 1983 Nov–Dec;(6):5–8 (Eng. Abstr.) **(Rus)**

[Surgical tactics in hypoplasia of branches of the pulmonary artery in patients with the tetrad of Fallot] Zin'kovskiĭ MF, et al. **Kardiologiia** 1983 Aug;23(8):59–62 (Eng. Abstr.) **(Rus)**

[Establishing a subclavian–pulmonary anastomosis in the presence of a short subclavian artery trunk] Babliak DE, et al. **Klin Khir** 1983 Jul;(7):48–9 (Eng. Abstr.) **(Rus)**

[Aneurysm of the right pulmonary artery following atypical Blalock–Taussig fistula. Surgical correction] Caffarena Raggio JM, et al. **Rev Esp Cardiol** 1984 Jul–Aug; 37(4):294–7 (Eng. Abstr.) **(Spa)**

VETERINARY

Echocardiographic detection of tetralogy of Fallot and myocardial abscesses in a calf. Reef VB, et al.
Cornell Vet 1984 Apr;74(2):81–95

Polycythemia and cyanosis associated with hypoplastic main pulmonary segment in the bovine heart. Lane VM, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):460–1

TETRAMETHYL ACRIDINE DIAMINE see **ACRIDINE ORANGE**

TETRAMETHYLPHENYLENEDIAMINE see under **PHENYLENEDIAMINES**

TETRAMISOLE

ADVERSE EFFECTS

[Tetramisole-induced encephalitic syndrome] Lin YX.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1983 Oct; 16(5):312–4 (Eng. Abstr.) **(Chi)**

ANALOGS & DERIVATIVES

Studies of alkaline phosphatase inhibition by p-bromotetramisole in non-mineralizing and mineralizing neonatal hamster tooth germs in vitro. Lyaruu DM, et al. **J Biol Buccale** 1983 Dec;11(4):347–53

PHARMACODYNAMICS

Haemonchus contortus: the in vitro effects of anthelmintics on total glucose and glycogen contents, and total volatile fatty acids. Kaur R, et al. **Acta Vet Acad Sci Hung** 1982; 30(4):265–9

Effect of L- and D-tetramisole on 32Pi and 45Ca uptake and mineralization by matrix vesicle-enriched fractions from chicken epiphyseal cartilage. Register TC, et al.
J Biol Chem 1984 Jan 25;259(2):922–8

Effect of anthelmintic treatment on the development of resistance in sheep vaccinated or experimentally infected with Dictyocaulus filaria. Al-Saadi AA, et al.
Res Vet Sci 1984 Mar;36(2):144–6

The effects of DL-tetramisole and rafoxanide on tricarboxylic acid cycle enzymes of Haemonchus contortus, in vitro. Kaur R, et al. **Vet Parasitol** 1983 Nov;13(4):333–40

L-TETRAMISOLE see **LEVAMISOLE**

TETRAMON see **TETRAETHYLAMMONIUM COMPOUNDS**

TETRANITROMETHANE see under **METHANE**

TETRAPHENYLBORATE see under **BORON COMPOUNDS**

TETRAPLEGIA see **QUADRIPLEGIA**

TETRATHIONIC ACID see under **THIOSULFATES**

TETRAZOLES see under **AZOLES**

TETRAZOLIUM SALTS

On the mechanism of production of superoxide radical by reaction mixtures containing NADH, phenazine methosulfate, and nitroblue tetrazolium. Picker SD, et al.
Arch Biochem Biophys 1984 Jan;228(1):155–8

Isolation of human fibrinogen using nitroblue tetrazolium (NBT). Vila V, et al. **Clin Chim Acta** 1984 Apr 13; 138(2):215–9

Studies on the phenazine methosulphate-tetrazolium salt capture reaction in NAD(P)+-dependent dehydrogenase cytochemistry. I. Localization artefacts caused by the escape of reduced co-enzyme during cytochemical reactions for NAD(P)+-dependent dehydrogenases. Raap AK, et al. **Histochem J** 1983 Sep;15(9):861–79

Studies on the phenazine methosulphate—tetrazolium salt capture reaction in NAD(P)+-dependent dehydrogenase cytochemistry. III. The role of superoxide in tetrazolium reduction. Raap AK. **Histochem J** 1983 Oct;15(10):977–86

Inhibition of nitroblue tetrazolium reduction by metallothionein. Shiraishi M, et al. **Physiol Chem Phys** 1982; 14(6):533–7

[Histochemical detection of tissue changes using tetrazolium salts of differing nitrosensitivity] Seidler E.
Acta Histochem (Jena) 1983;73(2):219–25 (Eng. Abstr.) **(Ger)**

[Improved demonstration of topochemical dehydrogenase in the CNS with a nitro-monotetrazolium salt] Schünzel G, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:319–25 (Eng. Abstr.) **(Ger)**

[Value of histochemical tetrazolium technics] Seidler E.
Acta Histochem [Suppl] (Jena) 1984;30:145–52 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Newer formazans and tetrazolium indoles as potential CNS-active agents. Sathi G, et al. **Arzneimittelforsch** 1983; 33(9):1218–21

DIAGNOSTIC USE

NBT test values in burned patients. Hejcmanová B, et al.
Acta Chir Plast (Prague) 1983;25(4):209–12

The value of the Nitro-BT method in the patho-anatomic diagnosis of early AMI: personal experience after 8 years application of the method. Fischer Hansen B.
Acta Histochem [Suppl] (Jena) 1984;30:153–6

A technically simple 'non-lethal' vital staining procedure for viral plaque and cell transformation assays. Brief report. Klebe RJ, et al. **Arch Virol** 1984;81(3–4):359–62

Phorbol myristate acetate stimulated NBT test: a simple method suitable for antenatal diagnosis of chronic granulomatous disease. Levinsky RJ, et al.
Clin Exp Immunol 1983 Nov;54(2):595–8

Verification of myocardial contrast two-dimensional echocardiographic assessment of perfusion defects in ischemic myocardium. Sakamaki T, et al.
J Am Coll Cardiol 1984 Jan;3(1):34–8

Histochemical localization of NADP-dependent dehydrogenase activity with four different tetrazolium salts. Van Noorden CJ, et al. **J Histochem Cytochem** 1984 Sep;32(9):998–1004

Rapid colorimetric assay for cell viability: application to the quantitation of cytotoxic and growth inhibitory lymphokines. Green LM, et al. **J Immunol Methods** 1984 May 25;70(2):257–68

Measurement of the respiratory burst in human monocytes and polymorphonuclear leukocytes by nitro blue tetrazolium reduction and chemiluminescence. Schopf RE, et al. **J Immunol Methods** 1984 Feb 24;67(1):109–17

The nitroblue tetrazolium reduction test in workers exposed to benzene and its homologues. Moszczyński P, et al.
Med Interne 1983 Jul–Sep;21(3):217–23

Nitroblue tetrazolium test in patients with neoplasma during surgical treatment. Korenkiewicz A, et al. **Neoplasma** 1983; 30(5):619–22

[A method for quantitative determination of nitroblue tetrazolium] Berkó G, et al. **Z Med Lab Diagn** 1983; 24(6):327–31 (Eng. Abstr.) **(Ger)**

[Exploration of the nitroblue tetrazolium test in the newborn infant] Lupea I, et al.
Rev Pediatr Obstet Ginecol [Pediatr] 1983 Apr–Jun; 32(2):187–90 **(Rum)**

[Use of the nitroblue tetrazolium test to determine the nature of humoral interactions of activated lymphocytes with granulocytes] Shoĭ IG, et al. **Lab Delo** 1983;(11):31–3 (Eng. Abstr.) **(Rus)**

[Nitroblue tetrazolium reduction in peripheral blood neutrophils and monocytes of children with thymomegaly] Kuz'menko LG, et al. **Pediatriia** 1984 Feb;(2):11–3 (Eng. Abstr.) **(Rus)**

[The NBT test in combination with the intradermal tuberculin test in evaluation of the latent activity of pulmonary tuberculosis and clinical cure] Rykovskaia GI. **Probl Tuberk** 1983 Sep;(9):30–3 (Eng. Abstr.) **(Rus)**

[Use of the NBT test for diagnosing endogenous infections in viral hepatitis] Naumova AM, et al. **Sov Med** 1984; (5):30–4 (Eng. Abstr.) **(Rus)**

[NBT test (review of the literature and personal observations)] Demin AA, et al. **Ter Arkh** 1984;56(6):144–7 (71 ref.) **(Rus)**

[Determination of the bactericidal strength of alveolar macrophages by using the NBT test] Gracheva MP.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):87–8 (Eng. Abstr.) **(Rus)**

[Bactericidal activity of neutrophils in patients with severe and moderate infections] Goldenberg DB, et al.
Medicina (B Aires) 1983;43(6 Pt 1):653–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Nitroblue tetrazolium slide test. Use of the phorbol-myristate-acetate-stimulated NBT-reduction slide test for routine and prenatal detection of chronic granulomatous disease and diagnosis of heterozygous carriers. Johansen KS.
Acta Pathol Microbiol Immunol Scand [C] 1983 Dec; 91(6):349–54

Tetrazolium reduction as an aid for streptococcal growth detection with agar dilution susceptibility testing. Coudron PE, et al. **J Clin Microbiol** 1983 Oct;18(4):765–9

Measurement of the metabolic burst in human neutrophils: a comparison between cytochrome c and NBT reduction. Elferink JG. **Res Commun Chem Pathol Pharmacol** 1984 Feb;43(2):339–42

Impaired granulocytes nitroblue tetrazolium reduction in patients with diabetes mellitus. Kozai K, et al.
Tokushima J Exp Med 1983 Dec;30(3–4):65–73

[Nitroblue tetrazolium reduction activity of circulating and skin-migrating leukocytes in psoriasis] Csató M, et al.
Z Hautkr 1983 Dec 15;58(24):1731–9 (Eng. Abstr.) **(Ger)**

[Modification of a cytochemical method of reducing nitroblue tetrazolium] Nagoev BS. **Lab Delo** 1983;(8):7–11 (Eng. Abstr.) **(Rus)**

[BCG vaccine-stimulated nitroblue tetrazolium test in the differential diagnosis of pulmonary tuberculosis] Shubich MG, et al. **Lab Delo** 1983;(8):11–5 (Eng. Abstr.) **(Rus)**

[Nitroblue-tetrazolium test in evaluating the functional activity of smokers' neutrophils] German AK, et al.
Vrach Delo 1984 May;(5):56–8 **(Rus)**

PHARMACODYNAMICS

Triphenyltetrazolium and its derivatives are anisotropic inhibitors of energy transduction in oxidative phosphorylation in rat liver mitochondria. Higuti T, et al.
Biochim Biophys Acta 1983 Oct 31;725(1):1–9

Hippurate hydrolysis by and triphenyltetrazolium tolerance of Campylobacter fetus. Luechtefeld NW, et al.
J Clin Microbiol 1982 Jan;15(1):137–40

TETRODOTOXIN

ANALOGS & DERIVATIVES

High-yield synthesis of a [3H]ethylenediamine ditetrodotoxin derivative. Bontemps J, et al. **Anal Biochem** 1984 May 15; 139(1):149–57

ANALYSIS

Occurrence of tetrodotoxin in the gastropod mollusk Tutufa lissostoma (frog shell). Noguchi T, et al. **Toxicon** 1984; 22(2):219–26

A tetrodotoxin-like substance as a minor toxin in the xanthid crab Atergatis floridus. Noguchi T, et al. **Toxicon** 1984; 22(3):425–32

ANTAGONISTS & INHIBITORS

Antagonism of tetrodotoxin- and procaine-induced axonal blockade by adenine nucleotides in the frog sciatic nerve. Ribeiro JA, et al. **Br J Pharmacol** 1984 Feb;81(2):277–82

CHEMICAL SYNTHESIS

High-yield synthesis of a [3H]ethylenediamine ditetrodotoxin derivative. Bontemps J, et al. **Anal Biochem** 1984 May 15; 139(1):149–57

METABOLISM

The effects of membrane potential, extracellular potassium, and tetrodotoxin on the intracellular sodium ion activity of sheep cardiac muscle. January CT, et al. **Circ Res** 1984 Jun;54(6):652–65

Paranodal dysmyelination and increase in tetrodotoxin binding sites in the sciatic nerve of the motor end–plate disease (med/med) mouse during postnatal development. Rieger F, et al. **Dev Biol** 1984 Feb;101(2):401–9

Mapping the molecular structure of the voltage–dependent sodium channel. Distances between the tetrodotoxin and Leiurus quinquestriatus quinquestriatus scorpion toxin receptors. Angelides KJ, et al. **J Biol Chem** 1983 Oct 10; 258(19):11958–67

Structural mapping of the voltage–dependent sodium channel. Distance between the tetrodotoxin and Centruroides suffusus suffusus II beta–scorpion toxin receptors. Darbon H, et al. **J Biol Chem** 1984 May 25; 259(10):6074–84

Molecular morphology of the tetrodotoxin–binding sodium channel protein from Electrophorus electricus in solubilized and reconstituted preparations. Ellisman MH, et al. **J Cell Biol** 1983 Dec;97(6):1834–40

PHARMACODYNAMICS

Kinetics of the TTX sensitive Na+ current in the slowly adapting lobster stretch receptor neurone. Gestrelius S, et al. **Acta Physiol Scand** 1983 Jun;118(2):135–40

Tetrodotoxin–sensitive Na+ channels in isolated single cultured rat myocardial cells. Matsuki N, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C381–7

Effects of picrotoxin on apneustic respiration by tetrodotoxin in the rabbit. Matsumoto S, et al. **Arch Int Pharmacodyn Ther** 1984 May;269(1):141–52

Slow inactivation of a tetrodotoxin–sensitive current in canine cardiac Purkinje fibers. Gintant GA, et al. **Biophys J** 1984 Mar;45(3):509–12

Sensitivity to indomethacin of tetrodotoxin–resistant contractions of smooth muscle from the base of rabbit bladder. Downie JW, et al. **Br J Pharmacol** 1983 Jun; 79(2):334–6

Intraocular injection of tetrodotoxin in goldfish decreases fast axonal transport of [3H]glucosamine–labeled materials in optic axons. Edwards DL, et al. **Brain Res** 1984 May 7;299(1):190–4

Brain extract induces the tetrodotoxin–sensitive action potentials in a rat skeletal muscle cell line (L6). Yamazaki S, et al. **Brain Res** 1984 Apr;315(2):251–6

Procaine actions on tetrodotoxin sensitive and insensitive leech neurons. Yang J, et al. **Brain Res** 1984 Jun 8; 302(2):297–304

Tetrodotoxin–resistant release of ATP from superfused rabbit detrusor muscle during electrical field stimulation in the presence of luciferin–luciferase. Chaudhry A, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):153–6

Effect of tetrodotoxin on the inward ionic current of the guinea pig atrium. Freeman SE, et al. **Cardiovasc Res** 1984 Apr;18(4):233–43

Depressant effects of fast sodium channel blockade on the electrical activity of ischaemic canine ventricle: mediation by the sympathetic nervous system. Gilmour RF Jr, et al. **Cardiovasc Res** 1984 Jul;18(7):405–13

The relationship among intracellular sodium activity, calcium, and strophanthidin inotropy in canine cardiac Purkinje fibers. Vassalle M, et al. **J Gen Physiol** 1984 Feb; 83(2):287–307

Intensity and frequency characteristics of pacinian corpuscles. III. Effects of tetrodotoxin on transduction process. Bolanowski SJ Jr. **J Neurophysiol** 1984 Apr; 51(4):831–9

Post–tetanic hyperpolarization evoked by depolarizing pulses in crayfish stretch receptor neurones in tetrodotoxin. Holloway SF, et al. **J Physiol (Lond)** 1984 May;350:343–60

Effects of local anesthetics, tetrodotoxin, aconitine and verapamil on the mechanoreceptors of isolated frog heart. Kontani H, et al. **Jpn J Pharmacol** 1983 Jun;33(3):503–13

Tetrodotoxin–sensitive and –resistant effects of veratridine on the noradrenergic neurone of the rat vas deferens. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):264–70

Non–neuronal excitatory neurotensin receptors on the taenia coli of the guinea pig: lack of influence of tetrodotoxin and dynorphin. Huidobro–Toro JP. **Neurosci Lett** 1983 Aug 8;38(3):309–14

Tetrodotoxin–resistant non–cholinergic neurogenic contraction evoked by capsaicinoids and piperine on the guinea–pig trachea. Szolcsányi J. **Neurosci Lett** 1983 Nov 21;42(1):83–8

Facilitation by acetylcholine of tetrodotoxin–resistant spikes in rat hippocampal pyramidal cells. Gähwiler BH. **Neuroscience** 1984 Feb;11(2):381–8

Tetrodotoxin–resistant release of 3H–noradrenaline from the mouse vas deferens by high intensity electrical stimulation. Illes P, et al. **Neuroscience** 1984 Mar;11(3):715–21

Action of tetrodotoxin and verapamil on cardiac Purkinje fiber action potentials in a sodium–free, calcium–rich medium. Posner P, et al. **Pharmacology** 1983;27(4):185–91

Electrical activity and cytosolic calcium regulate levels of tetrodotoxin–sensitive sodium channels in cultured rat muscle cells. Sherman SJ, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):262–6

[Effect of chronic presynaptic neuromuscular transmission blockade on the properties of frog muscle fiber membranes] Volkov EM. **Biull Eksp Biol Med** 1983 Dec;96(12):19–22 (Eng. Abstr.) **(Rus)**

[Interaction of tetrodotoxin–sensitive structures of soluble cardiac muscle proteins with liposomes] Gimmel'relkh NG, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):548–51 (Eng. Abstr.) **(Rus)**

POISONING

Puffers, gourmands, and zombification [editorial] **Lancet** 1984 Jun 2;1(8388):1220–1

Anticholinesterase drugs in the treatment of tetrodotoxin poisoning [letter] Chew SK, et al. **Lancet** 1984 Jul 14; 2(8394):108

Puffer fish (tetrodotoxin) poisoning: clinical report and role of anti–cholinesterase drugs in therapy. Chew SK, et al. **Singapore Med J** 1983 Jun;24(3):168–71

TOXICITY

The interaction of sea anemone and scorpion neurotoxins with tetrodotoxin–resistant Na+ channels in rat myoblasts. A comparison with Na+ channels in other excitable and non–excitable cells. Frelin C, et al. **Mol Pharmacol** 1984 Jul;26(1):70–4

Reconstitution of neurotoxin–modulated ion transport by the voltage–regulated sodium channel isolated from the electroplax of Electrophorus electricus. Rosenberg RL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1239–43

TETROSES

METABOLISM

D–erythrose supports nitrogenase activity in isolated Anabaena sp. strain 7120 heterocysts. Privalle LS, et al. **J Bacteriol** 1984 Feb;157(2):350–6

TETRYLAMMONIUM see **TETRAETHYLAMMONIUM COMPOUNDS**

TEXTBOOKS see under **BOOKS**

TEXTBOOKS, PROGRAMMED see **PROGRAMMED INSTRUCTION**

TEXTILE INDUSTRY

A chemical and engineering analysis of dust in textile mills. Drews MJ, et al. **Am Ind Hyg Assoc J** 1983 Dec; 44(12):903–10

Arterial hypertension and noise: a cross–sectional study. Belli S, et al. **Am J Ind Med** 1984;6(1):59–65

An environmental and medical study of byssinosis and other respiratory conditions in the cotton textile industry in Egypt. Noweir MH, et al. **Am J Ind Med** 1984;6(3):173–83

Dust levels in flax mills in Northern Ireland 1961–1981. Bodel CC, et al. **Ann Occup Hyg** 1983;27(4):359–66

Endotoxins in baled cottons and airborne dusts in textile mills in the People's Republic of China. Olenchock SA, et al. **Appl Environ Microbiol** 1983 Oct;46(4):817–20

Byssinosis, emphysema, and mortality of American textile workers [editorial] Kilburn KH. **Arch Environ Health** 1983 Sep–Oct;38(5):277

Emphysema and other chronic lung disease in textile workers: an 18–year autopsy study. Moran TJ. **Arch Environ Health** 1983 Sep–Oct;38(5):267–76

Exposure to cotton dust in an experimental cardroom. Haglind P, et al. **Br J Ind Med** 1984 Aug;41(3):340–5

Dust exposure and mortality in an American factory using chrysotile, amosite, and crocidolite in mainly textile manufacture. McDonald AD, et al. **Br J Ind Med** 1983 Nov;40(4):368–74

Dust exposure and mortality in an American chrysotile textile plant. McDonald AD, et al. **Br J Ind Med** 1983 Nov; 40(4):361–7

Role of histamine in the aetiology of byssinosis. II. Lung histamine concentrations in guinea pigs chronically exposed to cotton and flax dusts. Noweir MH, et al. **Br J Ind Med** 1984 May;41(2):209–13

Role of histamine in the aetiology of byssinosis. I Blood histamine concentrations in workers exposed to cotton and flax dusts. Noweir MH, et al. **Br J Ind Med** 1984 May; 41(2):203–8

What the textile–dyeing literature has to offer histochemists. Horobin RW. **Histochem J** 1983 Nov;15(11):1151–4

A fluorescein angiographic study on carbon disulfide retinopathy among workers in viscose rayon factories. Karai I, et al. **Int Arch Occup Environ Health** 1983; 53(2):91–9

Byssinosis: a cross–sectional study in an Australian textile factory. Gun RT, et al. **J Soc Occup Med** 1983 Jul; 33(3):119–25

Cancer and other causes of death among female textile workers, 1976–78. Delzell E, et al. **JNCI** 1983 Oct; 71(4):735–40

Long fibre asbestos in a chrysotile textile worker [letter] Churg A, et al. **Lancet** 1984 Apr 14;1(8381):845

[A case of mold allergy as an occupational disease] Schwanke L. **Dermatol Monatsschr** 1983;169(11):723–4 (Eng. Abstr.) **(Ger)**

[The risk of oligomers in the textile industry] Giachino GM, et al. **G Ital Med Lav** 1982 Nov;4(6):263–5 (Eng. Abstr.) **(Ita)**

[Cancer of the bladder occurring in occupational dye users: report of two cases] Ando M, et al. **Hinyokika Kiyo** 1984 Feb;30(2):223–8 (Eng. Abstr.) **(Jpn)**

[Problem of prematurity in an occupational prenatal care department. II. Smoking] Zdziennicki A. **Ginekol Pol** 1984 Jan;55(1):35–8 (Eng. Abstr.) **(Pol)**

[Effect of ascorbic acid on the phagocytic activity of leukocytes in textile workers in contact with direct dyes] Korosteleva TA, et al. **Gig Sanit** 1983 Jun;(6):83–4 **(Rus)**

[Work capacity indices of the pupils of textile vocational and technical schools as a function of visual acuity] Savel'ev ON, et al. **Gig Sanit** 1983 Nov;(11):92–3 **(Rus)**

[Energy losses and requirements for energy of women in the cotton spinning and weaving industry] Vankhanen VD, et al. **Gig Sanit** 1983 Oct;(10):13–6 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of working conditions at the Donetsk cotton plant] Bondarenko NN. **Gig Tr Prof Zabol** 1984 Mar;(3):47–8 **(Rus)**

[Occupational work capacity of female sewing–machine operators depending on health status and functional potentials] Bugaev VN. **Gig Tr Prof Zabol** 1983 Aug; (8):47–9 **(Rus)**

[Toxicological and hygienic characteristics of retting fluid] Kovalev VM, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):53–4 **(Rus)**

[Effect of advanced operating methods on indices of industrial injury among textile workers] Bukhmirova VN. **Ortop Travmatol Protez** 1984 Mar;(3):54–5 **(Rus)**

[Industrial hygiene studies in the production of various fibers and plastics] Spasovski M, et al. **Probl Khig** 1983;8:74–9 (Eng. Abstr.) **(Rus)**

[Use of a screening study of the functional state of the lungs to detect nonspecific diseases of the lungs among textile workers] Nefedov VB, et al. **Probl Tuberk** 1984 May; (5):10–2 (Eng. Abstr.) **(Rus)**

[Incidence of ischemic heart disease in relation to main risk factors based on epidemiologic surveillance of a controlled population] Zhalolov TM. **Ter Arkh** 1984;56(1):56–9 (Eng. Abstr.) **(Rus)**

[Improvement of medical services to workers in industrial enterprises] Drobnis Bla, et al. **Vrach Delo** 1983 Sep; (9):111–2 **(Rus)**

[Effect on the respiratory organs of dust from the technical processing of fibers (based on WHO data) (review of the literature)] Kundiev IuI, et al. **Vrach Delo** 1984 Mar; (3):6–10 (33 ref.) **(Rus)**

TEXTILES

The pattern of lung function abnormalities in cotton textile workers. Schachter EN, et al. **Am Rev Respir Dis** 1984 Apr;129(4):523–7

Characterisation of textile dust extracts: I. Histamine release in vitro. Douglas JS, et al. **Br J Ind Med** 1984 Feb; 41(1):64–9

Characterisation of textile dust extracts: II. Bronchoconstriction in man. Douglas JS, et al. **Br J Ind Med** 1984 Feb;41(1):70–6

A reproducible method for the extraction of pesticide residues from fabrics. Easter EP, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):738–44

Multiple application delayed onset contact urticaria: possible relation to certain unusual formalin and textile reactions? Andersen KE, et al. **Contact Dermatitis** 1984 Apr; 10(4):227–34

Aorto–iliac reconstruction with Dacron double velour. Lindenauer SM, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):36–42

Conditions of working life of women textile workers in Thailand on day and shift work systems. Wongphanich M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:165–75

An extended model for transfer of micro–organisms via the hands: differences between organisms and the effect of alcohol disinfection. Mackintosh CA, et al. **J Hyg (Lond)** 1984 Jun;92(3):345–55

[Health risks in the dry–cleaning industry from using tetrachloroethylenes?] von Düszeln J, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Aug;33(8):260–7 (Eng. Abstr.) **(Ger)**

[Treatment of patients with retinal detachment by the cerclage method] Huszcza A, et al. **Klin Oczna** 1984 Feb; 86(2):81–2 (Eng. Abstr.) **(Pol)**

[Hygienic control of the quality for textile dyes] Kuz'menko NM. **Gig Sanit** 1983 Aug;(8):48–50 (6 ref.) **(Rus)**

[Properties of clothing in thermal burns] Lepene D, et al. **Ortop Travmatol Protez** 1984 May;(5):43–6 (Eng. Abstr.) **(Rus)**

[Suture threads as a cause of biliary calculi] Sitenko VM, et al. **Vestn Khir** 1984 Jan;132(1):47–52 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[A new computer–assisted possibility for evaluating the evidence value of textile fiber traces] Jenne K. **Arch Kriminol** 1983 Jul–Aug;172(1–2):32–40 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Characteristics of the protective properties of special clothing textiles against optical radiation from industrial sources] Gvozdenko LA, et al. **Gig Sanit** 1984 Feb;(2):35–7 (Eng. Abstr.) **(Rus)**

TFE see POLYTETRAFLUOROETHYLENE

THALAMIC DISEASES

CONGENITAL

Axonal dystrophy in a case of connatal thalamic and brain stem degeneration. Jennekens FG, et al. **Acta Neuropathol (Berl)** 1984;64(1):68–71

DIAGNOSIS

Congruous and incongruous sectoral visual field defects with lesions of the lateral geniculate nucleus. Snacklett DE, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):283–90

Neural generators of N18 and P14 far-field somatosensory evoked potentials studied in patients with lesion of thalamus or thalamo-cortical radiations. Mauguière F, et al. **Electroencephalogr Clin Neurophysiol** 1983 Oct; 56(4):283–92

Thalamic abscess. Kumar S, et al. **J Assoc Physicians India** 1983 Dec;31(12):807–8

Nonhemorrhagic infarction of the thalamus [letter] Biller J, et al. **Neurology (NY)** 1984 Sep;34(9):1269–70

Nonhemorrhagic infarction of the thalamus: behavioral, anatomic, and physiologic correlates. Graff-Radford NR, et al. **Neurology (NY)** 1984 Jan;34(1):14–23

[Tumors of the cerebral midline and surrounding region. Retrospective studies] Pinta Z, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):406–10 (Eng. Abstr.) **(Cze)**

[A case of thalamic cavernous hemangioma in an infant] Andrini P, et al. **Pediatrie** 1984 Apr–May;39(3):189–94 (Eng. Abstr.) **(Fre)**

[Semeiologic aspects of circumscribed thalamic lesions. Clinico-tomodensitometric study] Bogliun G, et al. **Riv Patol Nerv Ment** 1982 Jul–Aug;103(4):153–61 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Familial multisystem atrophy with possible thalamic dementia. Katz DA, et al. **Neurology (NY)** 1984 Sep; 34(9):1213–7

PATHOLOGY

Selective thalamic degeneration—report of a case with memory and mental disturbances. Martin JJ, et al. **Clin Neuropathol** 1983;2(4):156–62

PHYSIOPATHOLOGY

Hypometric saccades and low-gain pursuit resulting from a thalamic hemorrhage. Brigell M, et al. **Ann Neurol** 1984 Apr;15(4):374–8

Alterations in visually related eye movements following left pulvinar damage in man. Ogren MP, et al. **Neuropsychologia** 1984;22(2):187–96

[Contralateral pain-flexor reflex in damage to the ventrocaudal and lateral thalamus] Sayk J, et al. **Nervenarzt** 1983 Oct;54(10):513–20 **(Ger)**

[Visual extinction caused by a right thalamic lesion] Sato M, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):347–53 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Environmental reduplication associated with a right thalamic hemorrhage [letter] Leiguarda RC. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1154

RADIOGRAPHY

Thalamic gliomas: clinical and computed tomographic correlations. Weisberg LA, et al. **Comput Radiol** 1983 Jul–Aug;7(4):229–35

Factors affecting the prognosis in thalamic hemorrhage. Kwak R, et al. **Stroke** 1983 Jul–Aug;14(4):493–500

[Dejerine-Roussy thalamic syndrome: report of a case and discussion] Stenuit A, et al. **Rev Med Brux** 1984 Jan; 5(1):21–5 (Eng. Abstr.) **(Fre)**

[Thalamic hematoma: review of semiology and computed x-ray tomography in 14 cases] Forgeau Y, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1101–5 (Eng. Abstr.) **(Fre)**

SURGERY

Stereotactic CT scan applied to stereotactic thalamotomy and biopsy. Ohye C, et al. **Acta Neurochir (Wien)** 1984; 71(1–2):55–68

Thalamic tumors in children. Long-term follow-up and treatment guidelines. Bernstein M, et al. **J Neurosurg** 1984 Oct;61(4):649–56

[Trans-ventricular drainage of deep inoperable hematomas. Experience with the 1st 25 cases] Profeta G, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):443–51 (Eng. Abstr.) **(Ita)**

THERAPY

The use of stereotaxic chemical hypophysectomy in the treatment of thalamic pain syndrome. Levin AB, et al. **J Neurosurg** 1983 Dec;59(6):1002–6

THALAMIC NUCLEI

Hemiballism secondary to a metastatic neoplasm of the subthalamic nucleus as demonstrated by CT scan. Bronster DJ, et al. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):351–5

[Deep stimulation of the brain] Broggi G. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):227–38 (Eng. Abstr.) **(Ita)**

[3 cases of successful removal of gliomas of the optic thalamus] Konovalov AN, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):58–62 **(Rus)**

ANATOMY & HISTOLOGY

Quantitative aspects in the analysis of the synaptic architecture of thalamic sensory relay nuclei. Tömböl T, et al. **Acta Biol Hung** 1983;34(2–3):275–301

Synaptic arrangements in the ventral posterolateral nucleus of the squirrel. Wells J, et al. **Brain Behav Evol** 1983; 22(4):165–74

Evidence that thalamic efferent neurones are non-cholinergic: a study in the rat with special reference to the thalamostriatal pathway. Barrington-Ward SJ, et al. **Brain Res** 1984 May 7;299(1):146–51

A projection to the striatum from the medial subdivision of the posterior group of the thalamus in the cat. Beckstead RM. **Brain Res** 1984 May 23;300(2):351–6

The ultrastructural morphology of the subthalamic-nigral axon terminals intracellularly labeled with horseradish peroxidase. Chang HT, et al. **Brain Res** 1984 May 7; 299(1):182–5

Direct retinal projections to the lateroposterior and pulvinar nuclear complex (LP-Pul) in the cat, as revealed by the anterograde HRP method. Itoh K, et al. **Brain Res** 1983 Oct 16;276(2):325–8

The projections of single thalamic neurons onto multiple visual cortical areas in the cat. Kaufman EF, et al. **Brain Res** 1984 Apr 23;298(1):171–4

HRP studies on thalamocortical neurons related to the cerebellocerebral projection in the monkey. Miyata M, et al. **Brain Res** 1983 Sep 12;274(2):213–24

Evidence for the complementary organization of callosal and thalamic connections within rat somatosensory cortex. Olavarria J, et al. **Brain Res** 1984 Jan 23;291(2):364–8

Contralateral corticothalamic projections from area 6 in the raccoon. Sakai ST, et al. **Brain Res** 1984 May 14; 299(2):371–5

The cells of origin of cat trigeminothalamic projections: especially in the caudal medulla. Shigenaga Y, et al. **Brain Res** 1983 Oct 31;277(2):201–22

Projections from the parvocellular part of the posteromedial ventral nucleus of the thalamus to the lateral amygdaloid nucleus in the cat. Yasui Y, et al. **Brain Res** 1984 Jan 30; 292(1):151–5

Thalamic projections to the anterior suprasylvian and posterior sigmoid cortex: an HRP study of the 'vestibular areas' of the cerebral cortex in the cat. Ramírez-Camacho R, et al. **Brain Res Bull** 1984 Mar;12(3):245–52

Organization of the visual thalamus: corticothalamic projections from the primary visual area in the opossum. Linden R, et al. **Braz J Med Biol Res** 1983 Oct;16(3):247–60

Electrophysiological and anatomical demonstration of an overlapping striate and tectal projection to the lateral posterior-pulvinar complex of the cat. Benedek G, et al. **Exp Brain Res** 1983;52(2):157–69

The interrelations between cell groups in the caudal diencephalon of the rat projecting to the striatum and to the medulla oblongata. Bentivoglio M, et al. **Exp Brain Res** 1984;54(1):57–65

An autoradiographic study of topographical relationships between pallidal and cerebellar projections to the cat thalamus. Ilinsky IA, et al. **Exp Brain Res** 1984;54(1):95–106

Lack of collateral thalamocortical projections to fields of the first somatic sensory cortex in monkeys. Jones EG. **Exp Brain Res** 1983;52(3):375–84

The distribution of the projection from the parataenial nucleus of the thalamus to the nucleus accumbens in the rat: an autoradiographic study. Kelley AE, et al. **Exp Brain Res** 1984;54(3):499–512

Contralateral corticofugal projections to cat visual thalamus. Payne BR, et al. **Exp Brain Res** 1984;53(2):462–6

Projections from the pretectal complex to the thalamic lateral dorsal nucleus of the cat. Robertson RT, et al. **Exp Brain Res** 1983;51(2):157–71

Cortical neurons with collateral projections to both the caudate nucleus and the centromedian-parafascicular thalamic complex: a fluorescent retrograde double labeling study in the cat. Royce GJ. **Exp Brain Res** 1983; 50(2–3):157–65

Spatial relationships between the terminations of somatic sensory motor pathways in the rostral brainstem of cats and monkeys. II. Cerebellar projections compared with those of the ascending somatic sensory pathways in lateral diencephalon. Berkley KJ. **J Comp Neurol** 1983 Oct 20; 220(2):229–51

An immunocytochemical study of the serotonergic innervation of the thalamus of the rat. Cropper EC, et al. **J Comp Neurol** 1984 Mar 20;224(1):38–50

Topographic and cytoarchitectonic organization of thalamic neurons related to their targets in low-, middle-, and high-frequency representations in cat auditory cortex. Imig TJ, et al. **J Comp Neurol** 1984 Aug 20;227(4):511–39

Thalamic connections of the insula in the rhesus monkey and comments on the paralimbic connectivity of the medial pulvinar nucleus. Mufson EJ, et al. **J Comp Neurol** 1984 Jul 20;227(1):109–20

The cytoarchitecture and some efferent projections of the centromedian-parafascicular complex in the lesser bushbaby (Galago senegalensis). Pearson JC, et al. **J Comp Neurol** 1984 Jun 1;225(4):554–69

Diencephalic connections of the raphé nuclei of the rat brainstem: an anatomical study with reference to the somatosensory system. Peschanski M, et al. **J Comp Neurol** 1984 Apr 20;224(4):509–34

Collateral innervation of the medial and lateral prefrontal cortex by amygdaloid, thalamic, and brain-stem neurons. Sarter M, et al. **J Comp Neurol** 1984 Apr 10;224(3):445–60

Somatosensory thalamocortical connections in the raccoon: an HRP study. Warren S, et al. **J Comp Neurol** 1984 Aug 20;227(4):597–606

Cortical and subcortical, including sensory-related, afferents to the thalamic mediodorsal nucleus of the cat. Irle E, et al. **J Hirnforsch** 1984;25(1):29–50

Diencephalic projections from rostral brain in cat. An autoradiographic study. Ramon-Moliner E. **J Hirnforsch** 1984;25(2):171–85

Connections of the multiple visual cortical areas with the lateral posterior-pulvinar complex and adjacent thalamic nuclei in the cat. Raczkowski D, et al. **J Neurosci** 1983 Oct;3(10):1912–42

Pallidothalamic projections in cats. Gorbachevskaya AI. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):29–34

Study of hypothalamic projections to the mesencephalic reticular formation and parafascicular complex in cats by the retrograde HRP transport method. Sotnichenko TS, et al. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):68–74

Role of the spatial organization of efferent projections of the striopallidum in cortical and thalamic function. Suvorov NF, et al. **Neurosci Behav Physiol** 1983 Jan–Feb;13(1):24–8

Morphological details of the projection from the presubiculum to the entorhinal area as shown with the novel PHA-L immunohistochemical tracing method in the rat. Köhler C. **Neurosci Lett** 1984 Apr 6;45(3):285–90

Direct projections to the prestriate cortex from the retino-recipient zone of the inferior pulvinar nucleus in the macaque monkey. Mizuno N, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):155–60

Laminar origin of the tecto-thalamic projections in the albino rat. Sugita S, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):143–7

Cortical relay neurons and interneurons in the N. ventralis posterolateralis of cats: a horseradish peroxidase, electron-microscopic, Golgi and immunocytochemical study. Spreafico R, et al. **Neuroscience** 1983 Jul; 9(3):491–509

[Neuronal location of thalamic afferents in the cingulate area of the rat] Schulz E, et al. **J Hirnforsch** 1983;24(5):535–44 (Eng. Abstr.) **(Ger)**

[Retino-pulvinar pathway of the cat brain] Fedorova KP. **Arkh Anat Gistol Embriol** 1983 Sep;85(9):27–32 (35 ref.) (Eng. Abstr.) **(Rus)**

[Direct projections of the thalamic centrum medianum in the cerebral cortex of the cat (radioautographic studies)] Sotnichenko TS, et al. **Arkh Anat Gistol Embriol** 1983 Dec; 85(12):35–41 (Eng. Abstr.) **(Rus)**

[Neuronal populations in the posterior group of thalamic nuclei projecting into the amygdaloid complex and auditory cortex in the cat] Malkiĭ VA, et al. **Neirofiziologiia** 1984;16(2):213–24 (Eng. Abstr.) **(Rus)**

[Divergence of axon collaterals of substantia nigra neurons in the forebrain of the rat: double labeling with fluorochromes and horseradish peroxidase] Oleshko NN, et al. **Neirofiziologiia** 1983;15(5):517–26 (Eng. Abstr.) **(Rus)**

[Efferent connections of the centrum medianum of the cat thalamus demonstrated by the autoradiographic technic] Sotnichenko TS, et al. **Neirofiziologiia** 1984;16(2):224–30 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The structural organization of the ventrobasal complex of the rat as revealed by the analysis of physiologically characterized neurons injected intracellularly with horseradish peroxidase. Peschanski M, et al. **Brain Res** 1984 Apr 9;297(1):63–74

Cytoarchitecture of the dorsal thalamus of the rat. Bold EL, et al. **Brain Res Bull** 1984 May;12(5):521–7

Auditory neurons in the rat thalamic reticular nucleus. Shosaku A, et al. **Exp Brain Res** 1983;49(3):432–42

The posteromedial ventral nucleus of the thalamus (VPM) of the cat: direct ascending projections to the cytoarchitectonic subdivisions. Yasui Y, et al. **J Comp Neurol** 1983 Oct 20;220(2):219–28

The ventral pallidal projection to the mediodorsal thalamus: a study with fluorescent retrograde tracers and immunohistofluorescence. Young WS 3d, et al. **J Neurosci** 1984 Jun;4(6):1626–38

DRUG EFFECTS

Microiontophoretically applied THIP effects upon

nociceptive responses of neurons in medial thalamus. Reyes-Vázquez C, et al. **Appl Neurophysiol** 1983; 46(5-6):254-60

In vivo release of [3H]GABA in cat caudate nucleus and substantia nigra. II. Involvement of different thalamic nuclei in the bilateral changes induced by a nigral application of muscimol. Kemel ML, et al. **Brain Res** 1984 Jun 15;303(2):203-13

GABA in the intralaminar thalamic nuclei modulates dopamine release from the two dopaminergic nigro-striatal pathways in the cat. Romo R, et al. **Brain Res Bull** 1983 Dec;11(6):671-80

Morphometric-interferometric investigations of neurons in the medial thalamic nucleus of newborn rats following maternal treatment with ethanol. Dietzmann K, et al. **Exp Pathol** 1984;25(4):245-9

Microiontophoretically applied morphine and naloxone on single cell activity in the parafasciculus nucleus of naive and morphine-dependent rats. Reyes-Vazquez C, et al. **J Pharmacol Exp Ther** 1984 May;229(2):583-8

Effect of baclofen on sensory transmission through the ventrobasal thalamic nucleus of the rat. Clarke KA. **Neuropharmacology** 1983 Oct;22(10):1231-5

ENZYMOLOGY

Ultrastructure and synaptic relations of neural elements containing glutamic acid decarboxylase (GAD) in the perigeniculate nucleus of the cat. A light and electron microscopic immunocytochemical study. Montero VM, et al. **Exp Brain Res** 1984;56(1):115-25

GROWTH & DEVELOPMENT

Transient cholinesterase staining in the mediodorsal nucleus of the thalamus and its connections in the developing human and monkey brain. Kostovic I, et al. **J Comp Neurol** 1983 Oct 1;219(4):431-47

[Maturation of thalamic inputs into the association area of the neocortex during postnatal ontogeny in the cat] Tolchenova GA, et al. **Neirofiziologiia** 1984;16(1):11-8 (Eng. Abstr.) **(Rus)**

METABOLISM

High affinity glutamate uptake in the red nucleus and ventrolateral thalamus after lesion of the cerebellum in the adult cat: biochemical evidence for functional changes in the deafferented structures. Nieoullon A, et al. **Exp Brain Res** 1984;55(3):409-19

Evidence for cholinergic muscarinic receptors on mediodorsal thalamic projections to the anterior cingulate cortex. Andree TH, et al. **Neurosci Lett** 1983 Sep 30; 40(2):99-103

Retrograde transport of D-[3H]aspartate in thalamocortical neurones. Ottersen OP, et al. **Neurosci Lett** 1983 Nov 21; 42(1):19-24

Effects of nigral application of muscimol on release of [3H] gamma-aminobutyrate and on multiunit activity in various cat thalamic nuclei. Gauchy C, et al. **Neuroscience** 1983 Nov;10(3):781-8

PATHOLOGY

Experimental hemichorea/hemiballismus in the monkey. Studies on the intracerebral site of action in a drug-induced dyskinesia. Crossman AR, et al. **Brain** 1984 Jun;107 (Pt 2):579-96

PHYSIOLOGY

The focal tonic cortical control of intralaminar thalamic neurons may involve a cortico-thalamic loop. Albe-Fessard D, et al. **Acta Morphol Hung** 1983; 31(1-3):9-26

Neuronal plasticity in the red nucleus and the ventrolateral thalamus of the adult cat: a biochemical approach. Nieoullon A. **Adv Neurol** 1984;40:107-16 (31 ref.)

Behavioural changes following lesions of the orbital prefrontal cortex in male rats. de Bruin JP, et al. **Behav Brain Res** 1983 Dec;10(2-3):209-32

Anterior thalamic lesions and neuronal activity in the cingulate and retrosplenial cortices during discriminative avoidance behavior in rabbits. Gabriel M, et al. **Behav Neurosci** 1983 Oct;97(5):675-96

Preoperative latent place learning preserves salt appetite following damage to the central gustatory system. Paulus RA, et al. **Behav Neurosci** 1984 Feb;98(1):146-51

Thalamic nucleus ventro-postero-lateralis inhibits nucleus parafascicularis response to noxious stimuli through a non-opioid pathway. Benabid AL, et al. **Brain Res** 1983 Dec 5;280(2):217-31

Visual activation of neurons in the primate pulvinar depends on cortex but not colliculus. Bender DB. **Brain Res** 1983 Nov 21;279(1-2):258-61

Phasic loss of constraints in timing of neuronal spikes in the feline centrum medianum during EEG alpha-like activity. Burns LL, et al. **Brain Res** 1982 Mar 4;235(1):51-64

Subcortical influences upon prefrontal cortex of the cat. Canedo A. **Brain Res** 1982 Jan 28;232(2):449-54

Brainstem influences on transmission of somatosensory information in the spinocervicothalamic pathway. Dostrovsky JO. **Brain Res** 1984 Feb 6;292(2):229-38

Connections of hypothalamic paraventricular neurons with the dorsal medial thalamus and neurohypophysis: an electrophysiological study in the rat. Ferguson AV, et al. **Brain Res** 1984 May 14;299(2):376-9

Inhibitory influence of the mesocortical dopaminergic system on spontaneous activity or excitatory response induced from the thalamic mediodorsal nucleus in the rat medial prefrontal cortex. Ferron A, et al. **Brain Res** 1984 Jun 8; 302(2):257-65

Excitatory projection of the rat subicular complex to the cingulate cortex and synaptic integration with thalamic afferents. Finch DM, et al. **Brain Res** 1984 May 28; 301(1):25-37

Evidence for the neurotransmitter role of norepinephrine in the ventral thalamic nucleus of the guinea pig: localization, uptake and release. Fujiwara H, et al. **Brain Res** 1984 May 28;301(1):131-7

Pyramidal influences on ventral thalamic nuclei in the cat. Giuffrida R, et al. **Brain Res** 1983 Nov 21;279(1-2):254-7

Sleep and purposive behavior: inverse deviations from randomness of neuronal firing patterns in the feline thalamus. A new form of homeostasis? Marczynski TJ, et al. **Brain Res** 1984 Apr 23;298(1):75-90

Neonatal enucleation alters functional organization in hamster's lateral posterior nucleus. Mooney RD, et al. **Brain Res** 1983 Sep;285(3):399-404

Effects of kainic acid and radiofrequency lesions of the pulvinar on visual discrimination in the monkey. Nagel-Leiby S, et al. **Brain Res** 1984 May 23; 300(2):295-303

Role of joint afferents in relation to the initiation of forelimb stepping in thalamic cats. Shimamura M, et al. **Brain Res** 1984 Apr 16;297(2):225-34

Electrophysiological and morphological studies on thalamic neurons receiving entopeduncular- and cerebello-thalamic projections in the cat. Yamamoto T, et al. **Brain Res** 1984 Jun 3;301(2):231-42

Serotonin-mediated inhibition from dorsal raphe nucleus of neurons in dorsal lateral geniculate and thalamic reticular nuclei. Yoshida M, et al. **Brain Res** 1984 Jan 2;290(1):95-105

Sensorimotor unit activity related to intention in the pulvinar of behaving Cebus Apella monkeys. Acuña C, et al. **Exp Brain Res** 1983;52(3):411-22

GABA in the thalamic motor nuclei modulates dopamine release from the two dopaminergic nigrostriatal pathways in the cat. Chesselet MF, et al. **Exp Brain Res** 1983; 51(2):275-82

Organization and properties of visually responsive neurones in the suprageniculate nucleus of the cat. Hicks TP, et al. **Exp Brain Res** 1984;55(2):359-67

Cryogenic blockade of the visual cortico-thalamic projection in the rat. Kayama Y, et al. **Exp Brain Res** 1984; 54(1):157-65

Regulation of cerebello-cortical transmission in the rat ventromedial thalamic nucleus. MacLeod NK, et al. **Exp Brain Res** 1984;55(3):535-52

Muscarinic action of acetylcholine in the rat ventromedial thalamic nucleus. MacLeod NK, et al. **Exp Brain Res** 1984; 55(3):553-61

Bulbo-thalamic neurons related to thalamocortical activation processes during paradoxical sleep. Steriade M, et al. **Exp Brain Res** 1984;54(3):463-75

Perioral biting reflex and turning after intranigral injection of a GABA- or metenkephalin-agonist: role of the thalamus and superior colliculus. Welzl H, et al. **Exp Brain Res** 1984;55(3):438-44

Correlation between pulvinar-lateralis posterior complex unit activity and eye movements in the cat. Infante C, et al. **Exp Neurol** 1984 Sep;85(3):453-60

Lesions of the mediodorsal thalamic nucleus do not change thresholds for hypothalamic defensive attack in cats. Maeda H, et al. **Exp Neurol** 1983 Oct;82(1):64-72

Rotational behavior in the cat induced by electrical stimulation of the pulvinar-lateralis posterior nucleus complex: role of the cholinergic system. Motles E, et al. **Exp Neurol** 1983 Oct;82(1):43-54

Activity of serotonin-containing neurons in nucleus centralis superior of freely moving cats. Rasmussen K, et al. **Exp Neurol** 1984 Feb;83(2):302-17

Influences of locus ceruleus, raphe dorsalis, and periaqueductal gray matter on somatosensory-recipient thalamic nuclei. Schieppati M, et al. **Exp Neurol** 1983 Dec; 82(3):698-705

Neurophysiological processes in the striopallidum in shaping of avoidance reactions. Kachalova LM, et al. **Int J Neurosci** 1984 Aug;23(4):247-67

Columnar aggregation of prefrontal and anterior cingulate cortical cells projecting to the thalamic mediodorsal nucleus in the monkey. Arikuni T, et al. **J Comp Neurol** 1983 Oct 10;220(1):116-25

The somatotopic organization of the ventroposterior thalamus of the squirrel monkey, Saimiri sciureus. Kaas JH, et al. **J Comp Neurol** 1984 Jun 10;226(1):111-40

A diffuse alpha MSH-immunoreactive projection to the hippocampus and spinal cord from individual neurons in the lateral hypothalamic area and zona incerta. Köhler C, et al. **J Comp Neurol** 1984 Mar 10;223(4):501-14

Activity of trigeminothalamic neurons in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. Bushnell MC, et al. **J Neurophysiol** 1984 Jul; 52(1):170-87

Electrophysiology of neurons of lateral thalamic nuclei in cat: resting properties and burst discharges. Deschênes M, et al. **J Neurophysiol** 1984 Jun;51(6):1196-219

Anatomical and functional organization of pathway from superior colliculus to lateral posterior nucleus in hamster. Mooney RD, et al. **J Neurophysiol** 1984 Mar;51(3):407-31

Electrophysiology of neurons of lateral thalamic nuclei in cat: mechanisms of long-lasting hyperpolarizations. Roy JP, et al. **J Neurophysiol** 1984 Jun;51(6):1220-35

Primate raphe- and reticulospinal neurons: effects of stimulation in periaqueductal gray or VPLc thalamic nucleus. Willis WD, et al. **J Neurophysiol** 1984 Mar; 51(3):467-80

Electrophysiological properties of guinea-pig thalamic neurones: an in vitro study. Jahnsen H, et al. **J Physiol (Lond)** 1984 Apr;349:205-26

Ionic basis for the electro-responsiveness and oscillatory properties of guinea-pig thalamic neurones in vitro. Jahnsen H, et al. **J Physiol (Lond)** 1984 Apr;349:227-47

Odor response characteristics of thalamic mediodorsal nucleus neurons in the rabbit. Imamura K, et al. **Jpn J Physiol** 1984;34(1):55-73

Influence of nonspecific thalamic nuclei on individual loci of ensemble formation in the visual brain cortex. Chebkasov SA. **Neurosci Behav Physiol** 1984 May-Jun;14(3):206-11

Neuronal activity of motor cortex during elaboration of a motor reflex conditioned to electrical stimulation of the thalamic ventrolateral nucleus. Maiorov VI, et al. **Neurosci Behav Physiol** 1982 Nov-Dec;12(6):462-70

Role of the intralaminar thalamic nuclei in the potentiation of inhibition induced by caudate nucleus stimulation. Shapovalova KB, et al. **Neurosci Behav Physiol** 1983 May-Jun;13(3):163-70

Effects of electrical stimulation of various midline thalamic nuclei on the bilateral release of dopamine from dendrites and nerve terminals of neurons in the nigro-striatal dopaminergic pathways. Chéramy A, et al. **Neurosci Lett** 1984 Feb 10;44(2):193-8

Functional relationship between claustrum and pyramidal tract neurons, in the cat. Crescimanno G, et al. **Neurosci Lett** 1984 Feb 10;44(2):125-9

Fiber connections between the thalamic posterior lateral nucleus and the cingulate gyrus in the cat. Fujii M. **Neurosci Lett** 1983 Aug 29;39(2):137-42

Location and functional organization of trigeminal wide dynamic range neurons within the nucleus ventralis posteromedialis of the cat. Yokota T, et al. **Neurosci Lett** 1983 Sep 9;39(3):231-6

Branched output neurons of the rat subthalamic nucleus: electrophysiological study of the synaptic effects on identified cells in the two main target nuclei, the entopeduncular nucleus and the substantia nigra. Hammond C, et al. **Neuroscience** 1983 Jul;9(3):511-20

Role of the ventromedial nucleus of the thalamus in motor behaviour--I. Effects of focal injections of drugs. Starr MS, et al. **Neuroscience** 1983 Dec;10(4):1157-69

Role of the ventromedial nucleus of the thalamus in motor behaviour--II. Effects of lesions. Starr MS, et al. **Neuroscience** 1983 Dec;10(4):1171-83

The inhibitory effects of thalamic stimulation on the spinal transmission of nociceptive information in the rat. Dickenson A. **Pain** 1983 Nov;17(3):213-24

Thalamic relay nucleus stimulation for relief of intractable pain. Clinical results and beta-endorphin immunoreactivity in the cerebrospinal fluid. Tsubokawa T, et al. **Pain** 1984 Feb;18(2):115-26

Two-way avoidance behavior of the roman rat strains following brain lesions. Guenaire C, et al. **Physiol Behav** 1983 Aug;31(2):159-66

Function of the thalamic reticular complex: the searchlight hypothesis. Crick F. **Proc Natl Acad Sci USA** 1984 Jul; 81(14):4586-90

[Thalamic relay nucleus stimulation for relief of intractable pain. Clinical results and beta-endorphin immunoreactivity in cerebrospinal fluid] Tsubokawa T, et al. **No Shinkei Geka** 1984 Mar;12(4):459-67 (Eng. Abstr.) **(Jpn)**

[Characteristics of descending influences from the 1st zone of the cat somatosensory cortex on neurons of the ventro postero lateral thalamic nucleus] Voloshin MIa, et al. **Fiziol Zh** 1983 Nov-Dec;29(6):643-50 (Eng. Abstr.) **(Rus)**

[Morpho-functional organization of the optic thalamic system in the frog] Aleinikova TV, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1008-14 (Eng. Abstr.) **(Rus)**

[Effect of destruction of the basolateral nuclei of the amygdala of the rat on the nature of amygdalo-thalamic interaction] Sidorov BM. **Fiziol Zh SSSR** 1984 Mar; 70(3):365-7 **(Rus)**

[Effect of interruption of afferent inputs on the background activity and nature of neuronal interconnections in the neostriatum of the cat] Godukhin OV, et al. **Neirofiziologiia** 1984;16(1):110-5 (Eng. Abstr.) **(Rus)**

[Effect of the destruction of the basolateral nuclei of the amygdala on the character of the electrical activity of the dorsomedial nucleus of the rat thalamus] Sidorov BM, et al. **Neirofiziologiia** 1983;15(6):596-603 (Eng. Abstr.) **(Rus)**

[Morphophysiologic study of the afferent projections of the posterolateral nucleus of the thalamus in the rat] Sologub NIa, et al. **Neirofiziologiia** 1984;16(2):168-76 (Eng. Abstr.) **(Rus)**

[Spatial organization of the electrical potentials of the brain in the rabbit during low-frequency electric stimulation of

subcortical structures] Luchkova TI.
Zh Vyssh Nerv Deiat 1983 Sep-Oct;33(5):911-7 (Eng. Abstr.) **(Rus)**

[Effect of sectioning the mammillothalamic tract on neurons of limbic nuclei of the thalamus] Pakhotin PI, et al.
Zh Vyssh Nerv Deiat 1984 Mar-Apr;34(2):303-10 (Eng. Abstr.) **(Rus)**

[Interaction of afferent inputs from structures of the amygdalar complex at the level of the dorsomedial nucleus of the thalamus in the rat] Sidorov BM, et al.
Zh Vyssh Nerv Deiat 1983 Jul-Aug;33(4):723-31 (Eng. Abstr.) **(Rus)**

[Prolonged changes in the excitability of pyramidal tract neurons in the cat] Veber NV, et al.
Zh Vyssh Nerv Deiat 1984 May-Jun;34(3):572-4 **(Rus)**

PHYSIOPATHOLOGY

Alterations of evoked potentials in the medial lemniscus of the rat due to acute and chronic elevations in blood pressure. Garnik JT, et al. **Brain Res** 1984 Jul 23; 306(1-2):380-3

Differential participation of some 'specific' and 'non-specific' thalamic nuclei in generalized spike and wave discharges of feline generalized penicillin epilepsy. McLachlan RS, et al. **Brain Res** 1984 Jul 30;307(1-2):277-87

Alterations in visually related eye movements following left pulvinar damage in man. Ogren MP, et al.
Neuropsychologia 1984;22(2):187-96

Interruption of the mammillothalamic tract prevents seizures in guinea pigs. Mirski MA, et al. **Science** 1984 Oct 5; 226(4670):72-4

[Features of reflex changes in the spike activity of neurons of posterior ventromedial nucleus of the thalamus during peripheral electrostimulation] Durinian RA, et al.
Patol Fiziol Eksp Ter 1983 Nov-Dec;(6):49-52 (Eng. Abstr.) **(Rus)**

[Chemical sensitivity of neurons to immobilization emotional stress in the rat] Iumatov EA, et al.
Zh Vyssh Nerv Deiat 1983 Nov-Dec;33(6):1128-34 (Eng. Abstr.) **(Rus)**

SURGERY

The correlation between tremor characteristics and the predicted volume of effective lesions in stereotaxic nucleus ventralis intermedius thalamotomy. Hirai T, et al. **Brain** 1983 Dec;106 (Pt 4):1001-18

Levodopa-induced dyskinesia and thalamotomy.
Narabayashi H, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):831-9

Effects of electrostimulation and destruction of thalamic median center in patients with akinetic forms of parkinsonism. Vasin NYa, et al. **Neurosci Behav Physiol** 1984 May-Jun;14(3):228-32

[Changing feature of functional neurosurgery] Ohye C.
No Shinkei Geka 1984 Mar;12(3 Suppl):227-36 **(Jpn)**

ULTRASTRUCTURE

[Morphometric analysis of the dorsal lateral geniculate body of the laboratory mouse and microphthalmic variants] Werner L, et al. **Z Mikrosk Anat Forsch** 1984;98(1):119-36 (Eng. Abstr.) **(Ger)**

THALAMUS

Caudothalamic groove: value in identification of germinal matrix hemorrhage by sonography in preterm neonates. Bowie JD, et al. **AJR** 1983 Dec;141(6):1317-20

The 'bright thalamus' [letter] Shen EY. **Arch Dis Child** 1984 Jul;59(7):695

Mathematical model for hormonal therapy (vasopressin, corticoids) in cerebral collapse and malignant tumors of the brain (36 cases). Bernard-Weil E, et al. **Neurol Res** 1983;5(1):19-35

[Dejerine-Rousny syndrome: report of a case] Rosa ED, et al. **Arq Neuropiquiatr** 1984 Jun-42(2):175-8 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

Retrograde HRP tracing combined with a pharmacohistochemical method for GABA transaminase for the identification of presumptive GABAergic projections to the habenula. Araki M, et al. **Brain Res** 1984 Jun 25;304(2):271-7

Interhemispheric nigrothalamic projections and behavioral recovery following turning behavior induced by unilateral peripheral sensory and motor restriction. Sabel BA, et al. **Exp Neurol** 1984 Jan;83(1):49-61

Neuro-anatomical feature photo: midbrain. Barton NB, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):143-4

Thalamocortical projections in the reeler mutant mouse. Caviness VS Jr, et al. **J Comp Neurol** 1983 Sep 10; 219(2):182-202

A reevaluation of the functional organization and cytoarchitecture of the feline lateral posterior complex, with observations on adjoining cell groups. Updyke BV. **J Comp Neurol** 1983 Sep 10;219(2):143-81

Quantitative studies of the evolution of the thalamus in primates. Browne B, et al. **J Hirnforsch** 1984;25(3):261-74

Demonstration of postsynaptic opioid modulation of thalamic projection neurons by the combined techniques of retrograde horseradish peroxidase and enkephalin immunocytochemistry. Ruda MA, et al. **J Neurosci** 1984 Aug;4(8):2117-32

The laminar arrangement of limbic thalamocortical neurons in the lateropulvinar nuclei of the cat thalamus. Niimi K, et al. **Neurosci Lett** 1983 Aug 8;38(3):215-9

[Experimental anatomic study of the topography of the retinofugal projections in Discoglossus pictus (Amphibia, Anura). I. The thalamus: re-examination of the contralateral retinotopy and the origin of the uncrossed optic fibers] Cordier-Picouet MJ. **J Hirnforsch** 1983; 24(6):599-606 (Eng. Abstr.) **(Fre)**

[Interthalamic adhesion (massa intermedia). Neuroanatomic study (I)] Markinković S, et al. **Srp Arh Celok Lek** 1983 Apr;111(4):457-63 (Eng. Abstr.) **(Scc)**

BLOOD SUPPLY

Lesions of the basal ganglia, thalamus, and deep white matter: differential effects on language functions. Wallesch CW, et al. **Brain Lang** 1983 Nov;20(2):286-304

Upgaze palsy and monocular paresis of downward gaze from ipsilateral thalamo-mesencephalic infarction: a vertical 'one-and-a-half' syndrome. Bogousslavsky J, et al.
J Neurol 1984;231(1):43-5

[Improvement of CBF by glycerol administration in hypertensive intracerebral hemorrhage] Sasaki T, et al.
No To Shinkei 1983 May;35(5):505-10 (Eng. Abstr.) **(Jpn)**

[Hemodynamics in hemorrhagic infarction—an experimental study] Seki H, et al. **No To Shinkei** 1983 May;35(5):460-4 (Eng. Abstr.) **(Jpn)**

[A case report of infarction of the bilateral thalamus and the midbrain] Tomimoto H, et al. **No To Shinkei** 1984 Jun; 36(6):553-7 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Neuronal types in the neocortex-dependent lateral territory of the human thalamus. A Golgi-pigment study. Braak H, et al. **Anat Embryol (Berl)** 1984;169(1):61-72

The medial division of the medial geniculate body of the cat: implications for thalamic organization. Winer JA, et al. **J Neurosci** 1983 Dec;3(12):2629-51

Somatotopic distribution of trigeminal nociceptive specific neurons within the caudal somatosensory thalamus of cat. Yokota T, et al. **Neurosci Lett** 1983 Aug 29;39(2):125-30

[Connections of the thalamic and telencephalic centers of the auditory system in turtles] Belekhova MG, et al.
Arkh Anat Gistol Embriol 1983 Nov;85(11):33-42 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Changes in thalamic nociception resulting from morphine- and meperidine-dependence in rats. Emmers R.
Exp Neurol 1984 Jan;83(1):118-33

An analysis of penicillin-induced generalized spike and wave discharges using simultaneous recordings of cortical and thalamic single neurons. Avoli M, et al. **J Neurophysiol** 1983 Oct;50(4):819-37

Cortical and thalamic effects of local application of pentazocine to the rat somatosensory cortex. Soto-Moyano R, et al. **Pharmacol Res Commun** 1984 Feb;16(2):199-205

[Sensitivity of neurons in the rabbit thalamus parafascicular complex to angiotensin II during stimulation of the ventromedial hypothalamus] Kol'dits M, et al.
Biull Eksp Biol Med 1984 Feb;97(2):172-4 (Eng. Abstr.) **(Rus)**

[Effect of sex steroid hormones on diencephalic structures] Prutskova NP, et al. **Nerv Sist** 1983;24:32-40 (38 ref.) **(Rus)**

[Mikroiontophoretic analysis of the interrelation between spike activity and chemical sensitivity of neurons of the medial thalamus to acetylcholine and noradrenaline in alert rats] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug; 33(4):743-51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Acetylcholinesterase in the ventrobasal thalamus: transience and patterning during ontogenesis. Kristt DA.
Neuroscience 1983 Nov;10(3):923-39

METABOLISM

Organic acid transport to the blood from the corpus striatum, the thalamus and the cerebellum of the rat. Grabowska-Andén M, et al.
Acta Pharmacol Toxicol (Copenh) 1984 Mar;54(3):177-82

PATHOLOGY

Axonal dystrophy in a case of connatal thalamic and brain stem degeneration. Jennekens FG, et al.
Acta Neuropathol (Berl) 1984;64(1):68-71

Sonographic appearance of neonatal thalamic-striatal hemorrhage. Donn SM, et al. **J Ultrasound Med** 1984 May; 3(5):231-3

Bilirubin encephalopathy. Sherwood AJ, et al.
Neuropathol Appl Neurobiol 1983 Jul-Aug;9(4):271-85

PHYSIOLOGY

Common cortical and thalamic mechanisms for language and motor functions. Ojemann GA. **Am J Physiol** 1984 Jun; 246(6 Pt 2):R901-3

The second, intralaminar thalamo-cortical projection system. Brysch I, et al. **Anat Embryol (Berl)** 1984;169(2):111-8

Voltage-dependent burst-to-tonic switching of thalamic cell activity: an in vitro study. Jahnsen H, et al.
Arch Ital Biol 1984 Mar;122(1):73-82

Inhibitory effect of eseroline, an opiate like drug, on the rat nociceptive thalamic neurons activated by peripheral noxious stimuli. Braga PC, et al. **Brain Res** 1984 Mar 26; 296(1):177-80

Organization of projections from the superior colliculus to the thalamic lateral posterior nucleus in the rat. Donnelly JF, et al. **Brain Res** 1983 Dec 12;288(1-2):315-9

Visual receptive thalamopetal neurons in the optic tectum of teleosts (Holocentridae). Ito H, et al. **Brain Res** 1984 Jan 9;290(2):201-10

Lesions of the stria terminalis attenuate the amnestic effect of amygdaloid stimulation on avoidance responses. Liang KC, et al. **Brain Res** 1983 Sep 12;274(2):309-18

Opiatergic projection from the bed nucleus to the habenula: demonstration by a novel radioimmunohistochemical method. McLean S, et al. **Brain Res** 1983 Nov 14; 278(1-2):255-7

Spinal afferents to the ventrobasal thalamic complex in the rat: an anatomical study using wheat-germ agglutinin conjugated to horseradish peroxidase. Peschanski M, et al. **Brain Res** 1983 Nov 14;278(1-2):240-4

Adaptive reaction of nigral neurons following lesion of their ventromedial-thalamic projection field. Savaki HE, et al. **Brain Res** 1984 Jun 4;302(1):190-5

Intracellular staining of physiologically identified neurons and axons in the somatosensory thalamus of the cat. Yen CT, et al. **Brain Res** 1983 Nov 28;280(1):148-54

Lateral asymmetries and thalamic components in far-field somatosensory evoked potentials. Taylor MJ, et al.
Can J Neurol Sci 1984 May;11(2):252-6

Memory impairments following restricted medial thalamic lesions in monkeys. Aggleton JP, et al. **Exp Brain Res** 1983; 52(2):199-209

Effect of striatal stimulation on cellular activities of medial thalamic neurons studied in rats. Albe-Fessard D, et al. **Exp Brain Res** 1983;50(1):34-44

Topography and receptive field organization of the body midline representation in the ventrobasal complex of the cat. Barbaresi P, et al. **Exp Brain Res** 1984;54(2):327-36

The thalamo-caudate versus thalamo-cortical projections as studied in the cat with fluorescent retrograde double labeling. Macchi G, et al. **Exp Brain Res** 1984;54(2):225-39

Demonstration of spinocerebellar projections in cat using anterograde transport of WGA-HRP, with some observations on spinomesencephalic and spinothalamic projections. Robertson B, et al. **Exp Brain Res** 1983; 52(1):99-104

Thalamic units firing upon refixation may be responsible for plasticity in visual cortex. Schlag J, et al.
Exp Brain Res 1983;50(1):146-8

Origins of post synaptic potentials evoked in spiny neostriatal projection neurons by thalamic stimulation in the rat. Wilson CJ, et al. **Exp Brain Res** 1983;51(2):217-26

Viscerosomatic convergence onto T2-T4 spinoreticular, spinoreticular-spinothalamic, and spinothalamic tract neurons in the cat. Foreman RD, et al. **Exp Neurol** 1984 Sep;85(3):597-619

Transition from spindles to generalized spike and wave discharges in the cat: simultaneous single-cell recordings in cortex and thalamus. McLachlan RS, et al.
Exp Neurol 1984 Aug;85(2):413-25

Rotational behavior in the cat induced by electrical stimulation of the pulvinar-lateralis posterior nucleus complex: role of the cholinergic system. Motles E, et al.
Exp Neurol 1983 Oct;82(1):43-54

Location and taste responses of parabrachio-thalamic relay neurons in rats. Ogawa H, et al. **Exp Neurol** 1984 Mar; 83(3):507-17

Turning behavior, barrel rolling, and sensory neglect induced by picrotoxin in the thalamus. Zainos A, et al.
Exp Neurol 1984 Mar;83(3):534-47

An analysis of human EEG responses in the alpha range of frequencies. Robinson DL. **Int J Neurosci** 1983 Dec; 22(1-2):81-98

Effects of stimulation of the mediodorsal nucleus and its projection cortex on heart rate in the rabbit. West CH, et al. **J Auton Nerv Syst** 1983 Nov;9(2-3):547-57

Projections of the amygdala to the thalamus in the cynomolgus monkey. Aggleton JP, et al.
J Comp Neurol 1984 Jan 1;222(1):56-68

The thalamostriatal projection in the cat. Beckstead RM.
J Comp Neurol 1984 Mar 1;223(3):313-46

Thalamic projections to visual areas of the middle suprasylvian sulcus in the cat. Tong L, et al.
J Comp Neurol 1982 Dec 1;212(2):103-17

Vagal afferent inhibition of primate thoracic spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1983 Oct; 50(4):926-40

Nociceptive cells in ventroposterior thalamus of the cat [letter] Gordon G. **J Neurophysiol** 1983 Oct;50(4):1043

Visuomotor functions of central thalamus in monkey. II. Unit activity related to visual events, targeting, and fixation. Schlag J, et al. **J Neurophysiol** 1984 Jun;51(6):1175-95

Visuomotor functions of central thalamus in monkey. I. Unit activity related to spontaneous eye movements. Schlag-Rey M, et al. **J Neurophysiol** 1984 Jun; 51(6):1149-74

Corticotectal and corticothalamic efferent projections of SIV somatosensory cortex in cat. Stein BE, et al. **J Neurophysiol** 1983 Oct;50(4):896–909

Ascending projections to the medial geniculate body of the cat: evidence for multiple, parallel auditory pathways through thalamus. Calford MB, et al. **J Neurosci** 1983 Nov; 3(11):2365–80

Visual response properties in the tectorecipient zone of the cat's lateral posterior–pulvinar complex: a comparison with the superior colliculus. Chalupa LM, et al. **J Neurosci** 1983 Dec;3(12):2587–96

Synaptic plasticity within the interpeduncular nucleus after unilateral lesions of the habenula in neonatal rats. Hamill GS, et al. **J Neurosci** 1983 Nov;3(11):2128–45

The origin of thalamic inputs to the arcuate premotor and supplementary motor areas. Schell GR, et al. **J Neurosci** 1984 Feb;4(2):539–60

Depressive effects of morphine and of an enkephalinase inhibitor on responses of ventro–basal thalamic neurones to noxious stimuli. Guilbaud G, et al. **Life Sci** 1983;33 Suppl 1:545–7

Mechanism of Sechenov inhibition. Tonkikh AV. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):229–34

Simultaneous recording of cortical and thalamic EEG and single neuron activity in the cat association system during spindles. Avoli M, et al. **Neurosci Lett** 1984 Jun 1; 47(1):29–36

Participation of cortical and thalamic cells in the feline association system to thalamocortical recruiting responses. Avoli M. **Neurosci Lett** 1983 Jul 29;38(2):151–6

Electrophysiological and anatomical demonstration of a bulbar relayed pathway towards the medial thalamus in the rat. Levante A, et al. **Neurosci Lett** 1983 Jul 29; 38(2):139–44

Evidence for thalamic projections from external cuneate nucleus, cell groups Z and X, and the mesencephalic nucleus of the trigeminal nerve in squirrel monkey. Pearson JC, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):41–7

Thalamic commissural connections in the cat. Rinvik E. **Neurosci Lett** 1984 Feb 24;44(3):311–6

Long collateral branches of substantia nigra pars reticulata axons to thalamus, superior colliculus and reticular formation in monkey and cat. Multiple retrograde neuronal labeling with fluorescent dyes. Beckstead RM. **Neuroscience** 1983 Nov;10(3):767–79

A GABAergic habenulo–raphe pathway mediation of the hypnogenic effects of vasotocin in cat. Goldstein R. **Neuroscience** 1983 Nov;10(3):941–5

Do retinal and spinal projections overlap within the turtle thalamus? Künzle H, et al. **Neuroscience** 1983 Sep; 10(1):161–8

A spino–reticulo–thalamic pathway in the rat: an anatomical study with reference to pain transmission. Peschanski M, et al. **Neuroscience** 1984 May;12(1):165–78

Thermoafferent signal processing in rats: an electrophysiological analysis of midbrain influences on thermoresponsive neurons in the ventrobasal thalamus. Gottschlich KW, et al. **Pflugers Arch** 1984 May;401(1):91–6

Serotonergic mediation of habenular self–stimulation in the rat. Nakajima S. **Pharmacol Biochem Behav** 1984 Jun; 20(6):859–62

Effect of anticonvulsant drugs on thalamo–cortical and hippocampo–cortical self–sustained after–discharges in the rat. Mareš P, et al. **Physiol Bohemoslov** 1984;33(2):179–87

Subsystems within the visual association cortex as delineated by their thalamic and transcortical affiliations. Berson DM, et al. **Prog Brain Res** 1983;58:229–38

[Activation of the diffuse thalamic projection system by GABA–ergic stimulation] Tissot R. **Encephale** 1984; 10(1):21–4 (Eng. Abstr.) **(Fre)**

[Possible mechanism of the thalamic pacemaker of alpha–rhythm and fusiform activity] Shuliak BA, et al. **Biofizika** 1983 Jul–Aug;28(4):686–92 (Eng. Abstr.) **(Rus)**

[Reflexogenic changes in the spontaneous and evoked activity of the parafascicular neurons in the rat thalamus during electroacupuncture stimulation] Durinian RA, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):3–5 (Eng. Abstr.) **(Rus)**

[Functional relation between the limbic system and the hypothalamus] Nádvorník P, et al. **Cesk Psychiatr** 1984 Apr;80(2):86–90 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Thalamic stimulation for control of movement disorders. Andy OJ. **Appl Neurophysiol** 1983;46(1–4):107–11

Diencephalic seizures. Case report. Andy OJ, et al. **Appl Neurophysiol** 1983;46(1–4):62–7

Thalamic stimulation for chronic pain. Andy OJ. **Appl Neurophysiol** 1983;46(1–4):116–23

Combined electrical stimulation of the periaqueductal gray matter and sensory thalamus. Hosobuchi Y. **Appl Neurophysiol** 1983;46(1–4):112–5

Enhanced response of cortical neurons to thalamic stimuli precedes the appearance of spike and wave discharges in feline generalized penicillin epilepsy. Kostopoulos G, et al. **Brain Res** 1983 Nov 14;278(1–2):207–17

2–Deoxyglucose uptake and histologic changes in rat thalamus after neocortical ablations. Cooper RM, et al. **Exp Neurol** 1984 Jan;83(1):134–43

Comparison of the effects of ischaemia on early components of the somatosensory evoked potential in brainstem, thalamus, and cerebral cortex. Branston NM, et al. **J Cereb Blood Flow Metab** 1984 Mar;4(1):68–81

Effect of hyperthermia on a thalamocortical system in the kitten and the cat: a preliminary study. Nowack WJ, et al. **Neurol Res** 1983;5(3):57–67

Amnesia in a patient with bilateral lesions to the thalamus. Winocur G, et al. **Neuropsychologia** 1984;22(2):123–43

RADIOGRAPHY

[Computerized tomography in acute toxic encephalopathy—report of 3 cases with symmetrical low density areas in the thalamus and the cerebellum] Aoki N, et al. **No To Hattatsu** 1983 Jul;15(4):345–9 (Eng. Abstr.) **(Jpn)**

SURGERY

CT analysis of stereotactic thalamotomy. Iacono RP, et al. **Adv Neurol** 1984;40:453–8

21st annual meeting of the Japanese Society for Stereotactic and Functional Neurosurgery. Tokyo, October 1982. Abstracts. **Appl Neurophysiol** 1983;46(5–6):305–19

What happened to VIM thalamotomy for Parkinson's disease? Tasker RR, et al. **Appl Neurophysiol** 1983; 46(1–4):68–83

Stereotaxic thalamotomy in 55 cases of dystonia. Andrew J, et al. **Brain** 1983 Dec;106 (Pt 4):981–1000

Stereotactic thalamotomy for the relief of intention tremor of multiple sclerosis. Speelman JD, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):596–9

Stereotaxic thalamotomy for treatment of posttraumatic movement disorders. Bullard DE, et al. **J Neurosurg** 1984 Aug;61(2):316–21

Long–term follow–up review of cases of Parkinson's disease after unilateral or bilateral thalamotomy. Matsumoto K, et al. **J Neurosurg** 1984 May;60(5):1033–44

Treatment of dystonia musculorum deformans [letter] Stellar S. **JAMA** 1984 Mar 2;251(9):1162

Case report: polysomnographic effects of thalamotomy for torsion dystonia. Jankel WR, et al. **Neurosurgery** 1984 Apr; 14(4):495–8

[Stereotaxic treatment of Parkinson's disease] Heikkinen E, et al. **Duodecim** 1983;99(18):1279–86 (Eng. Abstr.) **(Fin)**

ULTRASTRUCTURE

A Golgi study of the opossum ventral basal complex. Pearson JC, et al. **J Morphol** 1983 Sep;177(3):277–99

Electron microscopic identification of reticulo–subthalamic axon terminals in the cat. Romansky KV, et al. **Neurosci Lett** 1983 Dec 2;42(2):113–7

THALASSEMIA

alpha–Thalassaemia nomenclature and abnormal haemoglobins [letter] Konotey–Ahulu FI. **Lancet** 1984 May 5;1(8384):1024–5

[Genogeographic study of beta–thalassemia in the light of the malaria hypothesis] Mestiashvili IG. **Vestn Akad Med Nauk SSSR** 1984;(7):51–4 (Eng. Abstr.) **(Rus)**

BLOOD

Spanish delta–beta–thalassemia: hematological studies and composition of the gamma–chains in ten homozygous patients. Baiget M, et al. **Acta Haematol (Basel)** 1983; 70(5):341–4

A study of the mechanisms and sites of action of desferrioxamine in thalassaemia major. Bianco I, et al. **Acta Haematol (Basel)** 1984;71(2):100–5

Plasma beta–2–microglobulin and fibronectin levels in beta–thalassaemia. Cooper EH, et al. **Acta Haematol (Basel)** 1984;71(4):257–62

Changes in superoxide anion production in neutrophils from multitransfused beta–thalassemia patients: correlation with ferritin levels and liver damage. de Martino M, et al. **Acta Haematol (Basel)** 1984;71(5):289–98

Plasma lipids and lipoproteins pattern in beta–thalassemia major. Maioli M, et al. **Acta Haematol (Basel)** 1984; 71(2):106–10

Erythrocyte ferritin in thalassemia syndromes. Piperno A, et al. **Acta Haematol (Basel)** 1984;71(4):251–6

Erythropoietin levels in heterozygous beta–thalassemia. Vedovato M, et al. **Acta Haematol (Basel)** 1984;71(3):211–3

Increased red blood cell protoporphyrin in thalassemia: a result of relative iron deficiency. Pootrakul P, et al. **Am J Clin Pathol** 1984 Sep;82(3):289–93

Beta globin messenger RNA content of bone marrow erythroblasts in heterozygous beta–thalassemia. Benz EJ Jr, et al. **Am J Hematol** 1984 Jan;16(1):33–45

HB F–Yamaguchi (gamma 75Thr, gamma 80Asn, gamma 136Ala) is associated with G gamma–thalassemia. Nakatsuji T, et al. **Am J Hematol** 1984 Feb;16(2):189–92

Defective function of the peripheral blood neutrophils in thalassemia major. Giuntoli JM, et al. **Am J Pediatr Hematol Oncol** 1984 Summer;6(2):215–7

Alterations in structure, function, and Ca++ content of thalassemic red blood cells. Rachmilewitz EA, et al. **Biomed Biochim Acta** 1983;42(11–12):S27–31

The intraerythrocytic response to anaemia in syndromes of intermediate beta–thalassaemia. Tassiopoulos T, et al. **Biomed Biochim Acta** 1983;42(11–12):S295–6

Inappropriately low red cell 2,3–diphosphoglycerate and p50 in transfused beta–thalassemia. Correra A, et al. **Blood** 1984 Apr;63(4):803–6

Impaired erythrocyte calcium homeostasis in beta–thalassemia. Shalev O, et al. **Blood** 1984 Aug; 64(2):564–6

Fetal hemoglobin synthesis in erythroid cultures in hereditary persistence of fetal hemoglobin and beta o–thalassemia. Weinberg RS, et al. **Blood** 1984 Jun;63(6):1278–84

Plasma fibronectin (Fn) study in homozygous beta–thalassemia: relation to splenectomy and transfusion. Germenis A, et al. **Blut** 1984 Aug;49(2):111–5

Factors affecting erythrocyte ferritin content in thalassaemia intermedia [letter] Piperno A, et al. **Br J Haematol** 1984 Jan;56(1):173–4

Effect of alpha thalassaemia on the rheology of homozygous sickle cell disease. Serjeant BE, et al. **Br J Haematol** 1983 Nov;55(3):479–86

Pancreatic lipase in serum of patients with beta–thalassemia major [letter] Junglee D, et al. **Clin Chem** 1983 Nov; 29(11):2003–4

Thalassemia and abnormal hemoglobins. Kan YW. **Haematologia (Budap)** 1982 Dec;15(4):351–4

Iron absorption in non–transfused iron loading anaemias: prediction of risk for iron loading, and response to iron chelation treatment, in beta thalassaemia intermedia and congenital sideroblastic anaemias. Pippard MJ, et al. **Haematologia (Budap)** 1984;17(1):17–24

Globin chain precipitation, deranged iron metabolism and dyserythropoiesis in some thalassaemia syndromes. Wickramasinghe SN, et al. **Haematologia (Budap)** 1984; 17(1):35–55

On the significance of hemoglobin Bart's at birth in Sicilians and Sardinians [letter] Longinotti M, et al. **Haematologica (Pavia)** 1983 Jul–Aug;68(4):558–9

Vitamin E and beta–thalassaemia [letter] Miniero R, et al. **Haematologica (Pavia)** 1983 Jul–Aug;68(4):562–3

Heterogeneity of beta/alpha ratio in Italian beta–thalassaemia heterozygotes. Sampietro M, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):703–11

Hb A2–Zagreb or alpha 2 delta 2(125)(H3)Gln replaced by Glu, a new delta chain variant in association with delta beta–thalassemia. Juricic D, et al. **Hemoglobin** 1983; 7(5):443–8

The association of hemoglobin Knossos and hemoglobin Lepore in an Algerian patient. Morlé L, et al. **Hemoglobin** 1984;8(3):229–38

Developmental pattern of beta–chain production at midtrimester pregnancy in Sardinian beta o–thalassemia heterozygotes. Rosatelli C, et al. **Hemoglobin** 1984; 8(1):17–24

Silent beta–thalassemia associated with Hb Knossos beta 27 (B9) Ala replaced by Ser in Algeria. Rouabhi F, et al. **Hemoglobin** 1983;7(6):555–61

Effect of transferrin absence on in vitro globin chain synthesis in reticulocytes of beta–thalassemic patients. Sener S, et al. **Hemoglobin** 1983;7(4):313–20

Iron deficiency in beta–heterozygous thalassaemia. Saraya AK, et al. **Indian J Med Res** 1984 Jan;79:68–75

Turnover of excess hemoglobin alpha chains in beta–thalassemic cells is ATP–dependent. Shaeffer JR. **J Biol Chem** 1983 Nov 10;258(21):13172–7

Concurrent sickle cell anemia and alpha–thalassemia. Effect on pathological properties of sickle erythrocytes. Embury SH, et al. **J Clin Invest** 1984 Jan;73(1):116–23

Hemoglobin Evanston (alpha 14 Trp——Arg). An unstable alpha–chain variant expressed as alpha–thalassemia. Honig GR, et al. **J Clin Invest** 1984 Jun;73(6):1740–9

Platelet derived malonyldialdehyde production in patients with thalassaemia major. Jewell AP, et al. **J Clin Pathol** 1984 Sep;37(9):1043–5

The haemoglobin pattern of sickle cell and haemoglobin C beta +–thalassaemia in Liberia. Willcox M. **J Med Genet** 1983 Dec;20(6):430–2

Heterozygous beta–thalassemia in pregnancy. Cooley JR, et al. **J Reprod Med** 1984 Feb;29(2):141–2

Intraerythrocytic adaptation to anaemia in thalassaemia. Alvarez–Sala JL, et al. **Nouv Rev Fr Hematol** 1983; 25(4):267–8

Haematological and clinical data in 200 cases of thalassaemia trait in eastern Spain. Vayá A, et al. **Nouv Rev Fr Hematol** 1983;25(6):369–73

Non–transferrin plasma iron in beta–thalassaemia/Hb E and haemoglobin H diseases. Anuwatanakulchai M, et al. **Scand J Haematol** 1984 Feb;32(2):153–8

Serum ferritin in beta–thalassaemia intermedia. Buonanno G, et al. **Scand J Haematol** 1984 Jan;32(1):83–7

Iron overload in patients with haemoglobin H disease. Tso SC, et al. **Scand J Haematol** 1984 Apr;32(4):391–4

Haemoglobin E–beta–thalassaemia; a study of eight cases in Northwest India. Ghosh K, et al. **Trop Geogr Med** 1983 Sep;35(3):267–71

Conductivity of normal and pathological human erythrocytes (homozygous beta–thalassemia) at radiowave frequencies. Ballario C, et al. **Z Naturforsch [C]** 1984 Jan–Feb; 39(1–2):160–6

[Double heterozygote hemoglobin D/B0 thalassemia. Report of 3 cases in a Portuguese family] Sousa Uva L, et al. **Nouv Rev Fr Hematol** 1983;25(6):387–90 (Eng. Abstr.) **(Fre)**

[Microcytological characteristics of reticulocytes in heterozygous beta–thalassemia] Castaldi G, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1569–75 (Eng. Abstr.) **(Ita)**

[Blood gas analysis at rest and after exertion in adult patients with intermediate beta-thalassemia: preliminary observations] Montaldo PL, et al. **Boll Soc Ital Cardiol** 1982;27(1):65–8 **(Ita)**

[Importance and evaluation of red cell indices obtained with semi-automatic cell counters during the screening of heterozygote beta-thalassemia] Cocuzza S, et al. **Minerva Med** 1983 Apr 28;74(18):1017–20 (Eng. Abstr.) **(Ita)**

[Case of beta-thalassemia intermedia] Kawano M, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1420–5 **(Jpn)**

[Concentration of folic acid in the blood of healthy pregnant, parturient and puerperant women and pregnant, parturient and puerperant women with hemoglobinopathies] Dodkhoeva MF. **Akush Ginekol (Mosk)** 1984 Mar;(3):26–9 (Eng. Abstr.) **(Rus)**

[Changes in hemoglobin fractions of pregnant women with heterozygous beta-thalassemia and iron deficiency anemia] Tikhonova LV. **Akush Ginekol (Mosk)** 1983 Dec;(12):41–3 (Eng. Abstr.) **(Rus)**

[Microcytosis screening in the search for carriers of the beta-thalassemia gene. II. Incidence of beta thalassemia in the Bay of Cadiz] Muñoz JA, et al. **Sangre (Barc)** 1983; 28(3):311–7 (Eng. Abstr.) **(Spa)**

[Erythrocyte deformability in microcytic hypochromic anemias] Vayá A, et al. **Sangre (Barc)** 1984;29(1):36–41 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Nomenclature of the alpha-thalassaemias. Lehmann H, et al. **Lancet** 1984 Mar 10;1(8376):552–3

COMPLICATIONS

Cholelithiasis in patients with major sickle hemoglobinopathies. Rennels MB, et al. **Am J Dis Child** 1984 Jan;138(1):66–7

Acute Wilson's disease and thalassemia minor: a case report. Derue G, et al. **Am J Gastroenterol** 1984 Jul;79(7):562–6

A case-control study in northern Liberia of Plasmodium falciparum malaria in haemoglobin S and beta-thalassaemia traits. Willcox M, et al. **Ann Trop Med Parasitol** 1983 Jun; 77(3):239–46

Falciparum malaria and beta-thalassaemia trait in northern Liberia. Willcox M, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):335–47

Arthritis in beta-thalassemia minor [letter] Górriz L, et al. **Arthritis Rheum** 1983 Oct;26(10):1292–3

Arthritis in thalassemia minor [letter] Schlumpf U. **Arthritis Rheum** 1984 Sep;27(9):1076

Fatal Yersinia enterocolitica meningitis in thalassemia major. De Virgiliis S, et al. **Boll Ist Sieroter Milan** 1984 May 31; 63(2):171–2

The effects of alpha-thalassaemia in HbSC disease. Steinberg MH, et al. **Br J Haematol** 1983 Nov;55(3):487–92

The sicca syndrome in thalassaemia major. Borgna-Pignatti C, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):668–9

Hepatitis B virus infection in thalassemia major [letter] Larcher V, et al. **Br Med J [Clin Res]** 1984 Aug 25; 289(6443):500

Hepatitis B virus infection in thalassaemia major treated in London and Athens. Mieli-Vergani G, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1804

Retention of inhaled radioxenon in thoracic vertebrae during Hb S-thalassemia crisis. Shapiro H, et al. **Clin Nucl Med** 1984 May;9(5):296–7

Sickle cell–thalassemia associated with G6PD deficiency in an African girl in Tanzania. Kalokola FM, et al. **East Afr Med J** 1983 Jul;60(7):512–4

Unusual bone marrow hyperplasia in a case of thalassemia intermedia. Massaro P, et al. **Haematologia (Budap)** 1984; 17(1):115–24

Transient erytroblastopenia of childhood and familial triphalangeal thumb. Tamburlini G, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):211–7

Hereditary spherocytosis and thalassemia. Elizaga FV, et al. **Hawaii Med J** 1984 Jun;43(6):180

Bone marrow hyperplasia of the maxillary sinuses in beta-thalassemia. Andreou J, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):180

Case report: computed tomography in the diagnosis of Yersinia infection in a patient with thalassemia major. Coleman BG, et al. **J Comput Tomogr** 1984 Apr;8(2):153–6

Acute cerebrovascular insults in homozygous beta-thalassaemia: a case report. Paolino E, et al. **J Neurol** 1983;230(1):37–41

Sickle cell beta thalassemia with absence of spleen (a case report). Hardikar JV, et al. **J Postgrad Med** 1983 Oct; 29(4):251–2

Recurrent episodes of arthritis in thalassemia minor. Gerster JC, et al. **J Rheumatol** 1984 Jun;11(3):352–4

Prophylaxis of systemic yersinosis in thalassaemia major [letter] Scharnetzky M, et al. **Lancet** 1984 Apr 7;1(8380):791

B12 deficiency in alpha-thalassemia [letter] Bennett M, et al. **N Engl J Med** 1984 Apr 19;310(16):1058–9

Cobalamin R binder deficiency in a woman with thalassemia. Jenks J, et al. **Nutr Rev** 1983 Sep;41(9):277–80

Thalassemia and its problems in the adolescent age. Wahidiyat I, et al. **Paediatr Indones** 1983 May–Jun; 23(5–6):85–94

[Thalassemia and macular subretinal neovascularization] Theodossiadis G, et al. **J Fr Ophtalmol** 1984;7(2):115–8 (Eng. Abstr.) **(Fre)**

[Normocytic Biermer's disease caused by associated alpha-thalassemia] Sei JF, et al. **Rev Med Interne** 1984 Mar; 5(1):67–8 **(Fre)**

[Endocrine consequences of beta thalassemia major] Houyoux C, et al. **Schweiz Rundsch Med Prax** 1984 Jul 17;73(29):906–13 (Eng. Abstr.) **(Fre)**

[Premature partial fusion of epiphyses in thalassemia] Finterbush A, et al. **Harefuah** 1983 Sep;105(5–6):109–10 (Eng. Abstr.) **(Heb)**

[Evaluation of the diastolic phase of the left ventricle, using the apex cardiogram, in patients with thalassemia major] Roncon L, et al. **G Clin Med** 1983 Nov;64(11):420–7 (Eng. Abstr.) **(Ita)**

[Longitudinal echocardiographic evaluation in children with thalassemia major] Balducci G, et al. **G Ital Cardiol** 1984 Jan;14(1):33–41 (Eng. Abstr.) **(Ita)**

[Our experience in the treatment of malleolar ulcers in thalassemia] Forteleoni G, et al. **Minerva Med** 1983 May 12;74(20):1173–8 (Eng. Abstr.) **(Ita)**

[Preliminary results in the use of anti-HBV vaccine, French type, in thalassemia patients] Corvaglia E, et al. **Minerva Pediatr** 1984 Apr 30;36(8):393–6 (Eng. Abstr.) **(Ita)**

[Scorbutus and thalassemia] Di Gregorio F, et al. **Minerva Pediatr** 1984 Apr 15;36(7):351–5 (Eng. Abstr.) **(Ita)**

[Non-invasive methods of study of the cardiopathy of Cooley's disease] Colace F, et al. **Recenti Prog Med** 1984 Mar;75(3):241–61 (58 ref.) (Eng. Abstr.) **(Ita)**

[Thalassemia and Hansen's disease] Ramalho AS, et al. **Hansenol Int** 1983 Jun;8(1):61–5 (Eng. Abstr.) **(Por)**

[Association of Hb Lepore Boston and beta-+ thalassemia in a Spanish family] Romero C, et al. **Sangre (Barc)** 1983; 28(3):348–52 (Eng. Abstr.) **(Spa)**

[Double heterozygote HbC-beta(O) thalassemia. A new case of this combination in a Caucasian subject] Vives Corrons JL, et al. **Sangre (Barc)** 1983;28(5):656–62 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Heterozygous beta thalassemia. A case report. Gore AL. **Ala Med** 1984 Jan;53(7):23–4

Antenatal diagnosis of haemoglobinopathies by improved method of isoelectric focusing of haemoglobins. Ferrari M, et al. **Br J Haematol** 1984 Jun;57(2):265–70

Antenatal diagnosis of beta thalassemia [letter] Maggio A, et al. **Br J Haematol** 1984 Sep;58(1):202–3

Feasibility of antenatal diagnosis of beta thalassaemia by DNA polymorphisms in Asian Indian and Cypriot populations. Old JM, et al. **Br J Haematol** 1984 Jun; 57(2):255–63

Prenatal diagnosis of homozygous alpha thalassaemia by direct DNA analysis of uncultured amniotic fluid cells. Chan V, et al. **Br Med J [Clin Res]** 1984 May 5; 288(6427):1327–9

Prenatal diagnosis of thalassaemia [editorial] Weatherall DJ. **Br Med J [Clin Res]** 1984 May 5;288(6427):1321–2

The clinical and hematological profile of thalassemia and hemoglobinopathies in India. Mitra SS. **Indian Pediatr** 1983 Oct;20(10):701–13

Diagnostic value of the glycerol lysis test. Zanella A, et al. **J Lab Clin Med** 1983 Nov;102(5):743–50

New chromosome test to screen for beta-thalassemia [news] Wingerson L. **JAMA** 1983 Dec 23–30;250(24):3271–2

Antenatal intrauterine diagnosis of fetal thalassaemia. Walters WA, et al. **Med J Aust** 1984 Mar 3;140(5):260–3

Diagnosis of alpha thalassemia in the newborn. Cord blood survey utilizing gene mapping. Trent RJ, et al. **Pathology** 1984 Jan;16(1):16–21

Prenatal diagnosis of thalassaemia by haemoglobin chromatography on Biorex. An evaluation of the method. Dash S, et al. **Prenat Diagn** 1984 Jan–Feb;4(1):11–20

Fetal karyotypes from fetoscopy blood samples. Metaxotou C, et al. **Prenat Diagn** 1983 Apr–Jun;3(2):173–5

Screening for thalassaemia and/or iron deficiency: evaluation of some discrimination functions. Chalevelakis G, et al. **Scand J Clin Lab Invest** 1984 Feb;44(1):1–6

[Thalassemia major manifested by megaloblastic anemia caused by folate deficiency] Danel P, et al. **Arch Fr Pediatr** 1983 Dec;40(10):799–801 (Eng. Abstr.) **(Fre)**

[Anemia and icterus: thalassemia and sickle cell anemia] König JW, et al. **Med Welt** 1983 Aug 26;34(33–34):872–3 **(Ger)**

[Prenatal diagnosis of hemoglobin anomalies] Jensen M, et al. **MMW** 1983 Dec 16;125(50):1176–9 (Eng. Abstr.) **(Ger)**

[Characteristics of the course of heterozygous beta-thalassemia in pregnancy] Mishunina NA. **Akush Ginekol (Mosk)** 1983 Aug;(8):66–7 **(Rus)**

DRUG THERAPY

Early left ventricular dysfunction and chelation therapy in thalassemia major. Freeman AP, et al. **Ann Intern Med** 1983 Oct;99(4):450–4

High-dose chelation therapy in thalassaemia [editorial] **Lancet** 1984 Feb 18;1(8373):373–4

Yersinia pseudotuberculosis septicaemia in thalassaemia major [letter] Gordts B, et al. **Lancet** 1984 Jan 7; 1(8367):41–2

Zinc treatment in homozygous beta-thalassemia (a preliminary study). Arcasoy A, et al. **Prog Clin Biol Res** 1983;129:107–16

Prednisolone therapy for lupus anticoagulant in B-thalassemia major. Sinniah D, et al. **Singapore Med J** 1984 Apr;25(2):77–9

[Desferrioxamine in thalassemia] Biener R, et al. **Harefuah** 1983 May 15;104(10):438–40 (Eng. Abstr.) **(Heb)**

[Pharmacological correction of genetic defects – azacytidine in the treatment of thalassemia] Kuratowska Z. **Pol Tyg Lek** 1983 Jun 13;38(24):713–5 **(Pol)**

ENZYMOLOGY

Red cell enzyme activities in thalassaemia [letter] Anderson BB, et al. **Br J Haematol** 1984 Aug;57(4):711–4

Pyrimidine 5'nucleotidase and several other red cell enzyme activities in beta-thalassaemia trait. Vives Corrons JL, et al. **Br J Haematol** 1984 Mar;56(3):483–94

Erythrocyte uroporphyrinogen-I-synthase activity in beta-thalassaemic patients. Lyberatos C, et al. **Eur J Clin Invest** 1983 Dec;13(6):461–3

[Post-heparin lipase activity in beta-thalassemia major: preliminary data] Cherchi GM, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1739–43 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Acquired hemoglobin H disease in a case of refractory anemia with excess of blasts (RAEB) evolving into acute nonlymphoid leukemia. Annino L, et al. **Acta Haematol (Basel)** 1984;72(1):41–4

FAMILIAL & GENETIC

Abnormal hemoglobins in Northwestern Mexico. Ibarra B, et al. **Acta Anthropogenet** 1982;6(4):217–23

Hemoglobin inclusions in heterozygous alpha-thalassemia according to their alpha-globin genotype. Galanello R, et al. **Acta Haematol (Basel)** 1984;72(1):34–6

C3 polymorphism in beta-thalassemia. Germenis A, et al. **Acta Haematol (Basel)** 1984;71(1):45–8

Screening and genetic counseling for beta-thalassemia trait in a population unselected for interest: comparison of three counseling methods. Rowley PT, et al. **Am J Hum Genet** 1984 May;36(3):677–89

Thalassemic hemoglobinopathies. Steinberg MH, et al. **Am J Pathol** 1983 Dec;113(3):396–409 (157 ref.)

Animal model of human disease: thalassemia: alpha-thalassemia in laboratory mice. Whitney JB 3d, et al. **Am J Pathol** 1984 Sep;116(3):523–5

Molecular genetics of the sickling syndromes: evolution of new strategies for improved diagnosis. Benz EJ Jr. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):59–66

Homozygous beta thalassaemia and pregnancy. Grech ES, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):45–8

Alpha thalassaemia in pregnancy. Trent RJ, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):39–42

One base substitution in IVS-2 causes a beta +-thalassemia phenotype in a Chinese patient. Takihara Y, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):324–30

The rare alpha-thalassemia-1 of blacks is a zeta alpha-thalassemia-1 associated with deletion of all alpha- and zeta-globin genes. Felice AE, et al. **Blood** 1984 May; 63(5):1253–7

A family with segregating triplicated alpha globin loci and beta thalassemia. Galanello R, et al. **Blood** 1983 Nov; 62(5):1035–40

Beta O-39 thalassemia gene: a premature termination codon causes beta-mRNA deficiency without affecting cytoplasmic beta-mRNA stability. Humphries RK, et al. **Blood** 1984 Jul;64(1):23–32

Advances in thalassemia research. Nienhuis AW, et al. **Blood** 1984 Apr;63(4):738–58 (202 ref.)

Intranuclear defect in beta-globin mRNA accumulation due to a premature translation termination codon. Takeshita K, et al. **Blood** 1984 Jul;64(1):13–22

Sickle cell–beta +-thalassaemia: a haematological and clinical study in Liberia. Bienzle U, et al. **Blut** 1983 Nov; 47(5):279–85

The haemoglobin H disease mental retardation syndrome: molecular studies on the South African case. Bowcock AM, et al. **Br J Haematol** 1984 Jan;56(1):69–78

Phenotypic manifestations of heterozygous non-deletion alpha-thalassaemia (alpha alpha/(alpha alpha)th) in Sardinians. Galanello R, et al. **Br J Haematol** 1983 Dec; 55(4):711–3

Molecular heterogeneity of beta thalassaemia in the Italian population. Giampaolo A, et al. **Br J Haematol** 1984 Jan; 56(1):79–85

Dutch beta 0-thalassaemia: a 10 kilobase DNA deletion associated with significant gamma-chain production. Gilman JG, et al. **Br J Haematol** 1984 Feb;56(2):339–48

Restriction endonuclease gene mapping studies of an Indian (A gamma delta beta)zero-thalassaemia, previously identified as G gamma-HPFH. Nakatsuji T, et al. **Br J Haematol** 1984 Aug;57(4):663–70

The triplicated alpha-gene locus and heterozygous beta thalassaemia: a case of thalassaemia intermedia. Sampietro M, et al. **Br J Haematol** 1983 Dec;55(4):709–10

Unusual combination of genetic defects in a Sicilian family: beta-thalassaemia, haemoglobin Lepore

Boston-Washington and heterocellular hereditary persistence of fetal haemoglobin. Schilirò G, et al. **Br J Haematol** 1983 Nov;55(3):473–7

Haematological phenotype of the triplicated gamma-globin gene arrangement [letter] Thein SL, et al. **Br J Haematol** 1984 Jun;57(2):349–51

Population and genetic studies suggest a single origin for the Indian deletion beta thalassaemia. Thein SL, et al. **Br J Haematol** 1984 Jun;57(2):271–8

Thalassaemia intermedia: a new molecular basis. Thein SL, et al. **Br J Haematol** 1984 Feb;56(2):333–7

(A gamma delta beta) thalassaemia: similarity of phenotype in four different molecular defects, including one newly described. Trent RJ, et al. **Br J Haematol** 1984 Jun; 57(2):279–89

Partial deletion of the beta-globin gene: a common beta-thalassaemia allele in Asian Indians. Wood S, et al. **Can J Genet Cytol** 1984 Jun;26(3):296–301

A mouse model for beta-thalassemia. Skow LC, et al. **Cell** 1983 Oct;34(3):1043–52

Unexpected relationships between four large deletions in the human beta-globin gene cluster. Vanin EF, et al. **Cell** 1983 Dec;35(3 Pt 2):701–9

Rapid quantification of Hb Hope in heterozygotes [letter] Ducrocq R, et al. **Clin Chem** 1984 Aug;30(8):1425

Alpha-thalassemia. Higgs DR, et al. **Curr Top Hematol** 1983; 4:37–97 (203 ref.)

The beta-globin gene in Sardinian delta beta 0-thalassemia carries a C——T nonsense mutation at codon 39. Guida S, et al. **EMBO J** 1984 Apr;3(4):785–7

Molecular characterization of seven beta-thalassemia mutations in Asian Indians. Kazazian HH Jr, et al. **EMBO J** 1984 Mar;3(3):593–6

A new method for detection of small modifications in genomic DNA, applied to the human delta-beta globin gene cluster. Chebloune Y, et al. **Eur J Biochem** 1984 Aug 1;142(3):473–80

Heterogeneity of beta-thalassemia intermedia. Musumeci S, et al. **Haematologica (Pavia)** 1983 Jul-Aug;68(4):503–16

HbA2 Victoria delta 24 (B6) Gly——Asp. A new delta chain variant occurring with beta-thalassemia. Brennan SO, et al. **Hemoglobin** 1984;8(2):163–8

Globin synthetic ratios in homozygous beta-thalassemia patients from Lebanon. Chehab FF, et al. **Hemoglobin** 1984; 8(2):151–62

Two new cases of heterozygosity for hemoglobin Knossos alpha 2 beta 2 27 Ala——Ser detected in the French West Indies and Algeria. Galacteros F, et al. **Hemoglobin** 1984; 8(3):215–28

Hematological phenotype of the double heterozygous state for alpha and beta thalassemia. Rosatelli C, et al. **Hemoglobin** 1984;8(1):25–35

alpha-Thalassemia trait with the alpha alpha alpha/-genotype in a Chinese. Zhang JW, et al. **Hemoglobin** 1984;8(2):183–7

Consanguinity and incidence of thalassaemia in Egypt. Habib Z, et al. **Hereditas** 1983;99(2):215–7

Four new haplotypes observed in Algerian beta-thalassemia patients. Beldjord C, et al. **Hum Genet** 1983;65(2):204–6

Heterocellular hereditary persistence of fetal hemoglobin (HPFH). Molecular mechanisms of abnormal ^{G}gamma-gene expression in association with beta thalassemia and linkage relationship with the beta-globin gene cluster. Giampaolo A, et al. **Hum Genet** 1984;66(2–3):151–6

Hemoglobins S and C in Upper Volta. Labie D, et al. **Hum Genet** 1984;65(3):300–2

A leftward deletional alpha+ thalassemia found in East Sicily in conjunction with heterozygous beta-thalassemia. Troungos C, et al. **Hum Genet** 1984;67(2):216–8

Indirect evaluation of a gene frequency: calculation of beta-thalassemia frequency in Algeria based on associated hemoglobin variants frequency. Bachir D, et al. **Hum Hered** 1984;34(3):187–91

A note on fitness of haemoglobin genotypes in the Bengali-speaking population. Das NK, et al. **Hum Hered** 1983;33(5):307–10

Sickle cell & thalassaemic genes in the tribal population of Rajasthan. Jain RC, et al. **Indian J Med Res** 1983 Dec; 78:836–40

Iron deficiency amongst family members in relation to carrier state of beta thalassemia trait. Mehta BC, et al. **Indian J Med Sci** 1983 Aug;37(8):133–4

Gene analysis in delta beta and delta degrees thalassemia. Baird M, et al. **J Biol Chem** 1984 Jan 10;259(1):512–5

Base substitution at position -88 in a beta-thalassemic globin gene. Further evidence for the role of distal promoter element ACACCC. Orkin SH, et al. **J Biol Chem** 1984 Jul 25;259(14):8679–81

Hemoglobin Evanston (alpha 14 Trp——Arg). An unstable alpha-chain variant expressed as alpha-thalassemia. Honig GR, et al. **J Clin Invest** 1984 Jun;73(6):1740–9

Delta beta-thalassaemia in southern Italy: evidence for a single mutational event. Carè A, et al. **J Med Genet** 1984 Apr;21(2):117–20

A genetic combination of silent beta-thalassaemia, high Hb A2 beta-thalassaemia, and single alpha globin gene deletion causing mild thalassaemia intermedia. Galanello R, et al. **J Med Genet** 1984 Apr;21(2):153–6

Phenotype-genotype correlation in haemoglobin H disease in childhood. Galanello R, et al. **J Med Genet** 1983 Dec; 20(6):425–9

Gene switching — a new therapeutic epoch: discussion paper. Nalbandian RM, et al. **J R Soc Med** 1984 Mar;77(3):217–20

Indication of genotype of beta thalassemia based on hemoglobins A2 and F. Kumar R, et al. **J Trop Pediatr** 1984 Jun;30(3):168–71

A new family with beta-thalassemia intermedia. Goto H, et al. **Jpn J Med** 1983 Aug;22(3):237–9

Alpha thalassaemia in Papua New Guinea. Oppenheimer SJ, et al. **Lancet** 1984 Feb 25;1(8374):424–6

Alpha-thalassaemia in Africa: the oldest malaria protective trait? [letter] Ramsay M, et al. **Lancet** 1984 Aug 18; 2(8399):410

Alpha-thalassaemia caused by a polyadenylation signal mutation. Higgs DR, et al. **Nature** 1983 Nov 24–30; 306(5941):398–400

Quantification of the close association between DNA haplotypes and specific beta-thalassaemia mutations in Mediterraneans. Kazazian HH Jr, et al. **Nature** 1984 Jul 12–18;310(5973):152–4

Beta-globin gene inactivation by DNA translocation in gamma beta-thalassaemia. Kioussis D, et al. **Nature** 1983 Dec 15–21;306(5944):662–6

Ferrara beta 0 thalassaemia caused by the beta 39 nonsense mutation. Pirastu M, et al. **Nature** 1984 Jan 5–11; 307(5946):76

A family of beta-thalassemia minor found incidentally as a result of hypochromia and microcytosis of the red blood cells. Shinohara K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):17–20

A beta-thalassemia lesion abolishes the same Mst II site as the sickle mutation. Chang JC, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7789–94

Hemoglobin Setif and in vitro pseudosickling noted in a family with co-existent alpha and beta thalassemia. Raik E, et al. **Pathology** 1983 Oct;15(4):453–6

Anemia in male adolescents in Singapore. Teo CG, et al. **Pathology** 1984 Apr;16(2):141–5

Thalassemia. Todd D. **Pathology** 1984 Jan;16(1):5–15 (118 ref.)

Longitudinal study of a newborn with a combination of deletion and nondeletion alpha-thalassemia-2. Galanello R, et al. **Pediatr Res** 1984 Feb;18(2):158–62

beta-Thalassemia in American Blacks: novel mutations in the 'TATA' box and an acceptor splice site. Antonarakis SE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1154–8

beta-Thalassemia in Chinese: use of in vivo RNA analysis and oligonucleotide hybridization in systematic characterization of molecular defects. Cheng TC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2821–5

Different 3' end points of deletions causing delta beta-thalassemia and hereditary persistence of fetal hemoglobin: implications for the control of gamma-globin gene expression in man. Tuan D, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6937–41

A nucleotide change in IVS 2 of a beta-thalassemia gene leads to a cryptic splice not at the site of the mutation. Dobkin C, et al. **Prog Clin Biol Res** 1983;134:127–8

Molecular studies of mutations that increase Hb F production in man. Forget BG, et al. **Prog Clin Biol Res** 1983;134:65–76

'Silent' nucleotide substitution in codon 24 of a beta+ thalassemia globin gene activates splice site in coding sequence RNA. Humphries RK, et al. **Prog Clin Biol Res** 1983;134:123–6

Use of haplotype analysis in the beta-globin gene cluster to discover beta-thalassemia mutations. Kazazian HH Jr, et al. **Prog Clin Biol Res** 1983;134:91–8

Hb Knossos, beta 27 Ala leads to Ser (B 9): a new hemoglobinopathy presenting as a silent beta-thalassemia. Rosa J, et al. **Prog Clin Biol Res** 1983;134:129–30

Structural and functional defects in beta-thalassemia. Treisman R, et al. **Prog Clin Biol Res** 1983;134:99–121

Polymorphism and molecular pathology of the human beta-globin gene. Orkin SH, et al. **Prog Hematol** 1983; 13:49–73 (67 ref.)

South African human genes in health and disease—a molecular genetics approach. Boyd CD, et al. **S Afr Med J** 1984 Apr 28;65(17):683–6

Haemoglobin D Punjab. Interaction with alpha thalassaemia and diagnosis by gene mapping. Trent RJ, et al. **Scand J Haematol** 1984 Mar;32(3):275–82

The genetics of thalassemia. Bank A. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1415–9 (24 ref.)

Multiple mutations produce delta beta 0 thalassemia in Sardinia. Pirastu M, et al. **Science** 1984 Mar 2; 223(4639):929–30

Malays with thalassaemia in West Malaysia. George E, et al. **Trop Geogr Med** 1984 Jun;36(2):123–5

[Reproductive compensation in the mothers of patients with homozygous beta-thalassemia] Rustamov RSh, et al. **Genetika (Moskva)** 1983 Sep;19(9):1545–50 (Eng. Abstr.) **(Rus)**

[Genogeographic study of beta-thalassemia in the light of the malaria hypothesis] Mestiashvili IG. **Vestn Akad Med Nauk SSSR** 1984;(7):51–4 (Eng. Abstr.) **(Rus)**

[Molecular genetic variants of thalassemia] Shipitsyna GI, et al. **Vestn Akad Med Nauk SSSR** 1984;(7):54–8 (Eng. Abstr.) **(Rus)**

[Hemoglobin E (26 Glu-Lys) and beta-thalassemia in a Mexican family] Bergés-García A, et al. **Bol Med Hosp Infant Mex** 1984 Apr;41(4):205–10 (Eng. Abstr.) **(Spa)**

[Hemoglobin variants and types of thalassemia of Spanish origin in the Venezuelan population] Arends T, et al. **Sangre (Barc)** 1983;28(5):542–50 (Eng. Abstr.) **(Spa)**

[Polymorphism of human fetal hemoglobin. II. Incidence of the A-gamma(75) Ileu-replaced-by-thr globin chain in the Spanish population and in various thalassemic syndromes] Baiget M, et al. **Sangre (Barc)** 1983;28(5):551–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Natural killer cell activity and T subpopulations in thalassemia major. Neri A, et al. **Acta Haematol (Basel)** 1984;71(4):263–9

Immune profile alterations in thalassaemic patients. Quintiliani L, et al. **Boll Ist Sieroter Milan** 1983; 62(6):524–30

Immunogenicity and efficacy of hepatitis B vaccine in normal children and in patients with thalassaemia. Matsaniotis N, et al. **J Infect** 1983 Jul;7 Suppl 1:57–61

Defective phagocytic and bactericidal function of polymorphonuclear leucocytes in patients with beta-thalassaemia major. Skoutelis AT, et al. **J Infect** 1984 Mar;8(2):118–22

Serum IgE in polytransfused thalassemic patients. La Rosa M, et al. **Vox Sang** 1983;45(5):384–8

[Immunologic markers of type B viral hepatitis in patients with homozygote transfusion-dependent beta-thalassemia] Del Poeta G, et al. **Recenti Prog Med** 1983 Sep; 74(9):999–1011 (Eng. Abstr.) **(Ita)**

METABOLISM

Beta-thalassemia and sickle cell disease in culture of early erythroid precursors: hemoglobin synthesis and ultrastructural study. Beuzard Y, et al. **Blood Cells** 1981; 7(1):179–200

Intestinal absorption of tocopherols in homozygous beta-thalassemia. A study of twenty patients. Giardini O, et al. **Haematologica (Pavia)** 1984 Mar-Apr;69(2):127–32

Endocrine functioning in multitransfused prepubertal patients with homozygous beta-thalassemia. Masala A, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):667–70

[Nutritional habits of homozygote beta-thalassemic subjects] Pranzetti P, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28; 60(2):383–9 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Prevalence of thalassemia and G6PD deficiency in North Cyprus [letter] Cin S, et al. **Acta Haematol (Basel)** 1984; 71(1):69–70

Thalassaemia in the Greek community of Cape Town. Bonafede RP, et al. **S Afr Med J** 1983 Nov 19;64(22):860–3

[Heterozygote beta-microcythemic children in Iesi. Statistical findings and health prospects] Bini PL, et al. **Minerva Med** 1983 Dec 22;74(49–50):2921–5 **(Ita)**

[Bart's hemoglobin in the population of Azerbaijan] Gaziev DG, et al. **Gematol Transfuziol** 1983 Nov;28(11):47–53 (Eng. Abstr.) **(Rus)**

[Incidence of beta-thalassemia carriers and those deficient in erythrocyte glucose-6-phosphate dehydrogenase in the greater Buenos Aires area] Abreu de Miani MS, et al. **Sangre (Barc)** 1983;28(5):537–41 (Eng. Abstr.) **(Spa)**

PATHOLOGY

The fate of excess beta-globin chains within erythropoietic cells in alpha-thalassaemia 2 trait, alpha-thalassaemia 1 trait, haemoglobin H disease and haemoglobin Q-H disease: an electron microscope study. Wickramasinghe SN, et al. **Br J Haematol** 1984 Mar;56(3):473–82

Alpha thalassaemia and the macular vasculature in homozygous sickle cell disease. Condon PI, et al. **Br J Ophthalmol** 1983 Nov;67(11):779–81

Rapid proteolysis of puromycyl peptides in non-thalassaemic and thalassaemic erythroid cells. Chalevelakis G, et al. **Eur J Clin Invest** 1984 Jun;14(3):199–202

Extramedullary hematopoiesis presenting as a pelvic mass in a patient with beta-thalassemia intermedia. Newton KL, et al. **JAMA** 1983 Oct 28;250(16):2178–9

Sickle cell beta-thalassaemia compared with sickle cell anaemia in Algeria. Belhani M, et al. **Scand J Haematol** 1984 Apr;32(4):346–50

PHYSIOPATHOLOGY

Iron overload and left ventricular performance in beta thalassemia. Kremastinos DT, et al. **Acta Cardiol (Brux)** 1984;39(1):29–40

On the 'anaemia' of heterozygous thalassaemia and on the possible relation of microcytosis to haemoglobin concentration. Fessas P, et al. **Biomed Biochim Acta** 1983; 42(11–12):S258–62

Abnormal processing of beta Knossos RNA. Orkin SH, et al. **Blood** 1984 Jul;64(1):311–3

Effects of thalassemia and microcytosis on the hematologic and vasoocclusive severity of sickle cell anemia. Steinberg MH, et al. **Blood** 1984 Jun;63(6):1353–60

Pituitary and thyroid insufficiency in thalassaemic haemosiderosis. Livadas DP, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):435–43

Thyroid function in patients with homozygous beta-thalassaemia. Phenekos C, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):445–50

Evaluation of cardiac status in thalassemia major: a study of 32 patients. Marni E, et al. **Haematologica (Pavia)** 1983 Jul–Aug;68(5):517–22

Haemoglobinopathies. The pathophysiology of beta-thalassaemia major. Modell CB. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):12–8

Adrenal and testicular function in boys affected by thalassemia. Pintor C, et al. **J Endocrinol Invest** 1984 Apr; 7(2):147–9

Sexual maturation and adrenal function in girls with thalassemia. Pintor C, et al. **J Endocrinol Invest** 1984 Jun; 7(3):181–4

Splenic function in children with hemoglobin SC disease and sickle beta-thalassemia. Sills RH. **J Natl Med Assoc** 1983 Oct;75(10):991–4

PREVENTION & CONTROL

Control of homozygous beta-thalassemia by carrier screening and antenatal diagnosis in Sardinians. Cao A, et al. **Clin Genet** 1984 Jul;26(1):12–22

The design of an information system on thalassemia. Rossi-Mori A, et al. **Med Inf (Lond)** 1984 Jan–Mar; 9(1):15–24

Prevention of thalassemia. Loukopoulos D, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1419–27 (26 ref.)

RADIOGRAPHY

Enlarged phalangeal nutrient foramina in Gaucher disease and beta-thalassemia major. Fink IJ, et al. **AJR** 1984 Sep; 143(3):647–9

Calvarial and phalangeal vascular impressions in thalassemia. Lawson JP, et al. **AJR** 1984 Sep;143(3):641–5

Radiological changes on 82 cases with thalassemia syndromes. Wahidiyat I, et al. **Paediatr Indones** 1983 Jul–Aug;23(7–8):123–32

Case report 274. Beta thalassemia affecting the facial bones and skull (intermediate form). Fernbach SK. **Skeletal Radiol** 1984;11(4):307–9

[The ribs in beta-thalassemia. Course of the changes in relation to transfusion therapy] Scutellari PN, et al. **Radiol Med (Torino)** 1983 Sep;69(9):654–60 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Splenic accumulation of [99mTc]methylene diphosphonate in sickle cell–thalassemia disease. Georgiou E, et al. **Int J Nucl Med Biol** 1983;10(4):269–70

SURGERY

[Beta-thalassemia intermedia—a rare indication for splenectomy] Keller P, et al. **Zentralbl Chir** 1984; 109(8):557–60 **(Ger)**

THERAPY

Zinc levels of serum, hair and urine in homozygous beta-thalassemic subjects under hypertransfusional treatment. Rea F, et al. **Acta Haematol (Basel)** 1984; 71(2):139–42

Cirrhosis associated with multiple transfusions in thalassaemia. Jean G, et al. **Arch Dis Child** 1984 Jan; 59(1):67–70

Management of thalassaemia major. Modell B, et al. **Arch Dis Child** 1983 Dec;58(12):1026–30

A successful pregnancy outcome in transfusion dependent thalassaemia major. Meadows K. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):43–4

Successful pregnancy in beta-thalassaemia major. Martin K. **Aust Paediatr J** 1983 Sep;19(3):182–3

Penicillin compliance in splenectomized thalassemics. Borgna-Pignatti C, et al. **Eur J Pediatr** 1984 Jun; 142(2):83–5

Frozen red blood cell transfusion in patients with Cooley's disease. Avanzi G, et al. **Haematologica (Pavia)** 1983 Sep–Oct;68(5):646–55

Methyl-prednisolone treatment of serum HBsAg negative chronic active hepatitis occurring in transfusion-dependent thalassemia major. De Virgiliis S, et al. **Helv Paediatr Acta** 1983 Aug;38(3):255–65

Clinical trial of young red cell transfusions. Cohen AR, et al. **J Pediatr** 1984 Jun;104(6):865–8

Desferrioxamine to improve cardiac function in iron-overloaded patients with thalassemia major [letter] Marcus RE, et al. **Lancet** 1984 Feb 18;1(8373):392–3

Gene transfection. A step nearer gene therapy? [news] Weatherall D. **Nature** 1984 Aug 9–15;310(5977):451

Magnetic resonance imaging of transfusional hemosiderosis complicating thalassemia major. Brasch RC, et al. **Radiology** 1984 Mar;150(3):767–71

[Effect of hematologic treatment on the growth and puberty of children with thalassemia major] Pomarède R, et al. **Arch Fr Pediatr** 1984 Apr;41(4):255–9 (Eng. Abstr.) **(Fre)**

[Neurologic complications after blood transfusion in patients with chronic anemia [editorial] Menghi P, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):121–9 (Eng. Abstr.) **(Ita)**

[Investigation of immunoconglutinin in beta-thalassemic patients after multiple transfusions] Govoni F, et al. **Riv Emoter Immunoematol** 1983;30(3):282–7 (Eng. Abstr.) **(Ita)**

URINE

Ascorbic acid and iron excretion in a thalassemic child. Hathirat P, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):274

VETERINARY

Spontaneous iron overload in alpha-thalassemic mice. Van Wyck DB, et al. **Blood** 1984 Jul;64(1):263–6

Hereditary erythroblastic anaemia in the laboratory mouse. Shimizu K, et al. **Lab Anim** 1983 Jul;17(3):198–202

THALASSOTHERAPY

[Combined thalassotherapy in sterility in women with genital hypoplasia] Markova V, et al. **Akush Ginekol (Sofiia)** 1984; 23(2):162–3 **(Bul)**

[Observations on seaside climate therapy of children in Yugoslavia] Grym J, et al. **Cesk Pediatr** 1984 Jun; 39(6):346–50 (Eng. Abstr.) **(Cze)**

[Reaction of patients with a history of myocardial infarct to bathing under controlled swimming in swimming pools and in the sea] Akhmedzhanov MIu, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):27–9 (Eng. Abstr.) **(Rus)**

[Effect of slime mud applications and sea baths on the state of cellular immunity in patients with traumatic spinal cord diseases] Beliaev AF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec; (6):59–60 **(Rus)**

[Balneotherapy and heliomarinotherapy in the treatment and rehabilitation of patients with psoriatic arthritis] Jajić I. **Reumatizam** 1984;31(1–2):13–6 (Eng. Abstr.) **(Ser)**

METHODS

[Current indications and methods for combined thalassotherapy in gynecologic diseases] Tokin R, et al. **Akush Ginekol (Sofiia)** 1984;23(2):164–5 **(Bul)**

THALICARPINE see under **APORPHINES**

THALIDOMIDE

ADMINISTRATION & DOSAGE

[Treatment of aphthosis with thalidomide and with colchicine] Genvo MF, et al. **Dermatologica** 1984; 168(4):182–8 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Thalidomide neurotoxicity. Clemmensen OJ, et al. **Arch Dermatol** 1984 Mar;120(3):338–41

Clinical studies on teenage Brazilian victims of thalidomide. Schmidt M, et al. **Braz J Med Biol Res** 1983 Jul;16(2):105–9

Thalidomide enhances defective monocyte function in lepromatous leprosy [letter] Nielsen H, et al. **Lancet** 1984 Jul 14;2(8394):98–9

Did thalidomide promote poliomyelitis following oral poliovirus vaccination in West Berlin in 1960? Wyatt HV. **Perspect Biol Med** 1983 Autumn;27(1):93–106

A critical review of the McCredie–McBride hypothesis of neural crest influence on limb morphogenesis. Stephens TD, et al. **Teratology** 1983 Oct;28(2):287–92

[Occurrence of a genital hemorrhage in prurigo nodularis treated with thalidomide] Nougué J, et al. **Ann Dermatol Venereol** 1983;110(6–7):551–2 **(Fre)**

[Gynecological and endocrinological studies of thalidomide-damaged girls] Mühlenstedt D, et al. **Geburtshilfe Fraunheilkd** 1984 Apr;44(4):243–8 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Rabbit sural nerve responses to chronic treatment with thalidomide and supidimide. Schwab BW, et al. **Muscle Nerve** 1984 Jun;7(5):362–8

[Inhibition of motility and cytoprotective action of supidimide in the human stomach] Paul F, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):555–8 (Eng. Abstr.) **(Ger)**

HISTORY

Classic illustration. Figure showing the relationship between malformations of the thalidomide type and the sales of thalidomide. Eskes TK. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):365

METABOLISM

Teratogen metabolism: activation of thalidomide and thalidomide analogues to products that inhibit the attachment of cells to concanavalin A coated plastic surfaces. Braun AG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1471–7

THERAPEUTIC USE

Thalidomide use [news] **Am Fam Physician** 1983 Dec; 28(6):237

Thalidomide or vitamin E therapy for discoid lupus erythematosus? [letter] Ayres S Jr. **Br J Dermatol** 1984 Jul;111(1):125–6

Effect of thalidomide on orogenital ulceration. Bowers PW, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):799–800

[Treatment of prurigo nodularis Hyde with thalidomide] Høyer H, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3243–5 (Eng. Abstr.) **(Dan)**

[Treatment of Jessner–Kanof disease with thalidomide] Moulin G, et al. **Ann Dermatol Venereol** 1983;110(8):611–4 (Eng. Abstr.) **(Fre)**

[Beneficial effect of thalidomide in a case of Hailey–Hailey pemphigus. 1 years' trial (letter)] Schnitzler L. **Ann Dermatol Venereol** 1984;111(3):285–6 **(Fre)**

[Thalidomide and the treatment of Behçet's syndrome (letter)] Couzigou P, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):751 **(Fre)**

[Thalidomide and Behçet's syndrome (letter)] Rogé J, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):196 **(Fre)**

[Cutaneous sarcoidosis. Treatment with thalidomide (letter)] Prigent F, et al. **Presse Med** 1983 Dec 24;12(47):3007 **(Fre)**

[Should thalidomide be rehabilitated?] Belaube P, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3101–4 (Eng. Abstr.) **(Fre)**

[Thalidomide treatment of chronic discoid lupus erythematosus] Knop J, et al. **Hautarzt** 1983 Sep; 34(9):435–6 **(Ger)**

TOXICITY

Rabbit sural nerve responses to chronic treatment with thalidomide and supidimide. Schwab BW, et al. **Muscle Nerve** 1984 Jun;7(5):362–8

THALLIUM

Cadmium and thallous ion permeabilities through lipid bilayer membranes. Gutknecht J. **Biochim Biophys Acta** 1983 Oct 26;735(1):185–8

ADMINISTRATION & DOSAGE

Evaluation in dogs of a new double-dose technique for imaging changes in myocardial perfusion. Rothendler JA, et al. **J Nucl Med** 1984 Jun;25(6):706–13

ADVERSE EFFECTS

Leiomyosarcoma of the ileum during contact with thallium. Sellu DP, et al. **Br J Clin Pract** 1984 Apr;38(4):157–8

[Methodological outline for the experimental substantiation of a system of indices of the adverse effect of metals on the health status of the population (the example of thallium)] Krasovskiĭ GN, et al. **Gig Sanit** 1984 Feb;(2):22–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electron probe X-ray microanalysis of K, Rb, Cs, and T1 in cryosections of striated muscle. Edelmann L. **Physiol Chem Phys** 1983;15(4):337–44

Redox substoichiometric determination of thallium. Rao KA, et al. **Radioisotopes** 1983 May;32(5):231–3

[Use of a laser atomizer for the atomic absorption determination of the thallium content of bones] Vul'son EK, et al. **Sud Med Ekspert** 1984 Jan–Mar;27(1):39–40 **(Rus)**

DIAGNOSTIC USE

Kinetics of 201Tl uptake in adenomas and well-differentiated carcinomas of the thyroid. A double isotope investigation with 99Tcm and 201Tl. Tennvall J, et al. **Acta Radiol [Oncol]** 1984;23(1):55–9

Thallium-201 myocardial perfusion scanning. Winzelberg GG. **Am Fam Physician** 1984 Apr;29(4):151–5

Diagnostic impact of thallium scintigraphy and cardiac fluoroscopy when the exercise ECG is strongly positive. Chaitman BR, et al. **Am Heart J** 1984 Aug;108(2):260–5

Effects of resting ischemia assessed by thallium scintigraphy on QRS scoring system for estimating left ventricular function quantified by radionuclide angiography in acute myocardial infarction patients. DePace NL, et al. **Am Heart J** 1984 Jun;107(6):1210–4

Time to completed redistribution of thallium-201 in exercise myocardial scintigraphy: relationship to the degree of coronary artery stenosis. Gutman J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):98 1–95

Sequential radionuclide angiographic assessment of left and right ventricular performance and quantitative thallium-201 scintigraphy following acute myocardial infarction. Hirsowitz GS, et al. **Am Heart J** 1984 May;107(5 Pt 1):934–9

Increased myocardial ischemia during supine compared to erect exercise demonstrated by thallium-201 myocardial perfusion imaging. Kelly MJ, et al. **Am Heart J** 1984 Jun; 107(6):1263–6

Thallium scintigraphy during dobutamine infusion: nonexercise-dependent screening test for coronary disease. Mason JR, et al. **Am Heart J** 1984 Mar;107(3):481–5

Serial thallium-201 imaging after dipyridamole for coronary disease detection: quantitative analysis using myocardial clearance. Okada RD, et al. **Am Heart J** 1984 Mar; 107(3):475–81

Decrease in thallium-201 image defect size after permanent

coronary occlusion. Schwartz JS, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1082–8

Systolic compression of the septal coronary arteries with septal ischemia by thallium–201 scintigraphy. Ugarte M, et al. **Am Heart J** 1984 May;107(5 Pt 1):1039–40

Extracardiac accumulation of thallium–201 in pulmonary carcinoma. Basara BE, et al. **Am J Cardiol** 1984 Jan 15; 53(2):358–9

Thallium–201 scintigraphy in complete left bundle branch block. Hirzel HO, et al. **Am J Cardiol** 1984 Mar 1; 53(6):764–9

Comparative value of maximal treadmill testing, exercise thallium myocardial perfusion scintigraphy and exercise radionuclide ventriculography for distinguishing high- and low-risk patients soon after acute myocardial infarction. Hung J, et al. **Am J Cardiol** 1984 May 1;53(9):1221–7

Detection and quantification of previous myocardial infarction by exercise–redistribution tomographic thallium–201 scintigraphy. Massie BM, et al. **Am J Cardiol** 1984 May 1;53(9):1244–9

Simultaneous maximal exercise radionuclide angiography and thallium stress perfusion imaging. Narahara KA, et al. **Am J Cardiol** 1984 Mar 1;53(6):812–7

Stress scintigraphy using single–photon emission computed tomography in the evaluation of coronary artery disease. Nohara R, et al. **Am J Cardiol** 1984 May 1;53(9):1250–4

Prevalence of high–risk thallium–201 scintigraphic findings in left main coronary artery stenosis: comparison with patients with multiple– and single–vessel coronary artery disease. Nygaard TW, et al. **Am J Cardiol** 1984 Feb 1; 53(4):462–9

Significance of increased lung thallium–201 activity on serial cardiac images after dipyridamole treatment in coronary heart disease. Okada RD, et al. **Am J Cardiol** 1984 Feb 1;53(4):470–5

Bayesian analysis using Fourier transforms of thallium–201 scintiscans to predict the presence of coronary artery disease. Tzall WR, et al. **Am J Cardiol** 1984 Aug 1; 54(3):289–93

Critical analysis of the application of Bayes' theorem to sequential testing in the noninvasive diagnosis of coronary artery disease. Weintraub WS, et al. **Am J Cardiol** 1984 Jul 1;54(1):43–9

Noninvasive quantification of jeopardized myocardial mass in dogs using 2–dimensional echocardiography and thallium–201 tomography. Weiss RJ, et al. **Am J Cardiol** 1983 Dec 1;52(10):1340–4

Determination of left ventricular mass by single–photon emission computed tomography with thallium–201. Wolfe CL, et al. **Am J Cardiol** 1984 May 1;53(9):1365–8

Sustained release nitroglycerin improves myocardial thallium–201 images in men with coronary artery disease. Steele P, et al. **Am J Med** 1984 Jun 22;76(6A):58–62

Localization of abnormal parathyroid glands using thallium–201. MacFarlane SD, et al. **Am J Surg** 1984 Jul; 148(1):7–13

Effect of cold stimulation on myocardial perfusion. An investigation using thallium–201 scintigraphy. Rodger JC, et al. **Br Heart J** 1984 Jul;52(1):57–62

Usefulness of left ventricular wall thickness–to–diameter ratio in thallium–201 scintigraphy. Manno B, et al. **Cathet Cardiovasc Diagn** 1983;9(5):483–91

Thallium–201 myocardial perfusion imaging without exercise. Rest and dipyridamole studies. Boucher CA, et al. **Chest** 1984 Aug;86(2):159–61

Resting kinetics of thallium–201 in patients with coronary artery disease. Iskandrian AS, et al. **Chest** 1984 Aug; 86(2):213–8

Detection of right ventricular pressure overloading by thallium–201 myocardial scintigraphy. Results in 57 patients with chronic respiratory diseases. Weitzenblum E, et al. **Chest** 1984 Feb;85(2):164–9

Effects of dipyridamole–induced vasodilation on myocardial uptake and clearance kinetics of thallium–201. Beller GA, et al. **Circulation** 1983 Dec;68(6):1328–38

Scintigraphic quantification of myocardial ischemia: a new approach. Massie BM, et al. **Circulation** 1983 Oct; 68(4):747–55

The use of preintervention and postintervention thallium imaging for assessing the early and late effects of experimental coronary arterial reperfusion in dogs. Okada RD, et al. **Circulation** 1984 Jun;69(6):1153–60

Causes of false–positive thallium–201 images in the diagnosis of coronary artery disease. Schiavone WA, et al. **Cleve Clin Q** 1984 Spring;51(1):13–8

Prediction of single versus multivessel disease following myocardial infarction using 201thallium scintigraphy and electrocardiographic stress testing. Weiss RJ, et al. **Clin Cardiol** 1983 Nov;6(11):519–26

Thallium imaging of benign cardiac tumor. Blumhardt R, et al. **Clin Nucl Med** 1983 Jul;8(7):297–8

Detection of sclerosing adenosis of the breast on a thallium scan. Makler PT Jr, et al. **Clin Nucl Med** 1984 May; 9(5):277–8

Diagnosing metastases of differentiated thyroid carcinoma with 201 thallium scan: a case report. Cosimelli M, et al. **Clin Oncol** 1984 Jun;10(2):163–6

Comparison of portable CdTe(Cl) detectors with stationary NaI(Tl) detectors for subcutaneous 133Xe disappearance measurements. Bojsen J, et al. **Clin Physiol** 1983 Aug; 3(4):325–34

Thallium perfusion imaging in myocarditis. Schachne JS, et al. **Conn Med** 1983 Dec;47(12):759–61

Bayesian analysis of stress thallium scintigraphy for the detection of multivessel coronary disease. Melin JA, et al. **Eur Heart J** 1983 Sep;4(9):622–31

201–Thallium imaging as an indicator of graft patency after coronary artery bypass surgery. Rasmussen SL, et al. **Eur Heart J** 1984 Jun;5(6):494–9

Radionuclide imaging after coronary vasodilation: myocardial scintigraphy with thallium–201 and radionuclide angiography after administration of dipyridamole. Sochor H, et al. **Eur Heart J** 1984 Jun; 5(6):500–9

Inability of seven–pinhole myocardial tomography to obtain accurate 201Tl kinetic data. Brady TJ, et al. **Eur J Nucl Med** 1983;8(10):425–30

Study of ECG–gated thallium–201 myocardial scintigraphy: is imaging time a limiting factor? Garty I, et al. **Eur J Nucl Med** 1984;9(4):173–6

A quantitative assessment of scintigraphy of the legs using 201Tl. Hamanaka D, et al. **Eur J Nucl Med** 1984;9(1):12–6

The rational use of 201Tl scintigraphy in the evaluation of differentiated thyroid cancer. Němec J, et al. **Eur J Nucl Med** 1984;9(6):261–4

Segmental analysis of stress thallium myocardial emission tomography for localization of coronary artery disease. Tamaki N, et al. **Eur J Nucl Med** 1984;9(3):99–105

Nuclear cardiology in the elderly: reliable and noninvasive. Iskandrian AS, et al. **Geriatrics** 1984 Feb;39(2):105–9, 113–4

Quantitative thallium–201 scintigraphy. Beller GA. **Int J Cardiol** 1984 Feb;5(2):234–9

Influence of left ventricular function and severity of coronary artery disease on exercise–induced pulmonary thallium–201 uptake. Lahiri A, et al. **Int J Cardiol** 1984 Apr;5(4):475–90

Thallium–201 scanning to decide CCU admission in patients with non–diagnostic electrocardiograms. van der Wieken LR, et al. **Int J Cardiol** 1983 Oct;4(3):285–99

A comparison of the technetium–labeled myocardial agents DiArs and DMPE to 201Tl in experimental animals. Sullivan PJ, et al. **Int J Nucl Med Biol** 1984;11(1):3–10

Quantitation of perfused myocardial mass using Tl–201 and emission computed tomography. Holman BL, et al. **Invest Radiol** 1983 Jul–Aug;18(4):322–6

Diffuse slow washout of myocardial thallium–201: a new scintigraphic indicator of extensive coronary artery disease. Bateman TM, et al. **J Am Coll Cardiol** 1984 Jul;4(1):55–64

Use of electrocardiographic–thallium exercise testing in clinical practice. Gitler B, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):262–71

The pacing stress test: thallium–201 myocardial imaging after atrial pacing. Diagnostic value in detecting coronary artery disease compared with exercise testing. Heller GV, et al. **J Am Coll Cardiol** 1984 May;3(5):1197–204

Noninvasive diagnostic test choices for the evaluation of coronary artery disease in women: a multivariate comparison of cardiac fluoroscopy, exercise electrocardiography and exercise thallium myocardial perfusion scintigraphy. Hung J, et al. **J Am Coll Cardiol** 1984 Jul;4(1):8–16

Quantitative analysis of seven–pinhole tomographic thallium–201 scintigrams: improved sensitivity and estimation of the extent of coronary involvement by evaluation of radiotracer uptake and clearance. Massie BM, et al. **J Am Coll Cardiol** 1984 May;3(5):1178–86

Kinetics of thallium–201 in reperfused canine myocardium after coronary artery occlusion. Okada RD. **J Am Coll Cardiol** 1984 May;3(5):1245–51

Quantitation of myocardial infarct size from thallium–201 images: validation of a new approach in an experimental model. Okada RD, et al. **J Am Coll Cardiol** 1984 Apr; 3(4):948–55

Effect of decreased blood flow and ischemia on myocardial thallium clearance. Okada RD, et al. **J Am Coll Cardiol** 1984 Mar;3(3):744–50

Comparison of exercise perfusion and ventricular function imaging: an analysis of factors affecting the diagnostic accuracy of each technique. Osbakken MD, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):272–83

Effects of coronary artery reperfusion on relation between creatine kinase–MB release and infarct size estimated by myocardial emission tomography with thallium–201 in man. Tamaki S, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1031–8

Comparative study of vascular effects of four calcium antagonists using a multi–organ functional imaging technique with thallium–201. Moins N, et al. **J Cardiovasc Pharmacol** 1983 Nov–Dec;5(6):978–82

Relationship between regional myocardial blood flow and thallium–201 distribution in the presence of coronary artery stenosis and dipyridamole–induced vasodilation. Mays AE Jr, et al. **J Clin Invest** 1984 May;73(5):1359–66

Thallium scintigraphy in experimental toxic pulmonary edema: relationship to extravascular pulmonary fluid. Slutsky RA, et al. **J Nucl Med** 1984 May;25(5):581–91

Intracoronary thallium 201 scintigraphy as an immediate predictor of salvaged myocardium following intracoronary lysis. Krebber HJ, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):27–34

Clinical significance of the right ventricular free wall appearance on stress Tl–201 myocardial images in ischemic heart disease. Kataoka H, et al. **Jpn Circ J** 1983 Dec; 47(12):1423–34

Assessment of viable myocardium within infarct zone by exercise thallium–201 scintigraphy. Kondo M, et al. **Jpn Circ J** 1984 Mar;48(3):219–24

Quantitative evaluation of exercise Tl–201 myocardial scintigraphy before and after transluminal coronary angioplasty. A preliminary report. Kanemoto N, et al. **Jpn Heart J** 1983 Nov;24(6):891–907

Dipyridamole–thallium–201 scintigraphy in the prediction of future cardiac events after acute myocardial infarction. Leppo JA, et al. **N Engl J Med** 1984 Apr 19;310(16):1014–8

Thallium–201 myocardial imaging in patients on chronic hemodialysis. Gelber CM, et al. **Nephron** 1984;36(2):136–42

201Tl–diethyldithiocarbamate: a possible radiopharmaceutical for brain imaging. Vyth A, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):213–6

An index to measure the healing potential of ischaemic ulcers using Thallium 201. Siegel ME, et al. **Prosthet Orthot Int** 1983 Aug;7(2):67–8

Quantitative assessment of thallium–201 myocardial scintigraphy profile and perfusion homogeneity analysis. Dziuk E, et al. **Radiobiol Radiother (Berl)** 1984;25(3):437–51

Detectability of 201T1 cold area with myocardial phantom. Shinohara H, et al. **Radioisotopes** 1983 Oct;32(10):479–84

Radionuclide imaging in coronary artery disease. Acierno LJ, et al. **Radiol Technol** 1984 Mar–Apr;55(4):79–87 (71 ref.)

Leg perfusion evaluated by delayed administration of thallium–201. Burt RW, et al. **Radiology** 1984 Apr; 151(1):219–24

Volume and planar gated cardiac magnetic resonance imaging: a correlative study of normal anatomy with thallium–201 SPECT and cadaver sections. Go RT, et al. **Radiology** 1984 Jan;150(1):129–35

Segmental analysis of thallium 201 myocardial perfusion scintigraphy: its value in a community hospital. Tendera M, et al. **South Med J** 1984 Aug;77(8):990–4

[Value of thallium–201 perfusion scintigraphy in ischemic ulcers of the legs] Wielink G, et al. **Ned Tijdschr Geneeskd** 1984 Jan 14;128(2):61–4 (Eng. Abstr.) **(Dut)**

[Value of thallium scintigraphy in thyroid pathology] Cannoni M, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(1):43–5 (Eng. Abstr.) **(Fre)**

[Evaluation of the results of aortocoronary bypass surgery using thallium–201 scintigraphy] Chevigné M, et al. **Rev Med Liege** 1984 Mar 1;39(5):199–204 **(Fre)**

[Prognostic value of thallium scintigraphy in diagnostic problem cases] Schicha H, et al. **Nuklearmedizin** 1983 Dec; 22(6):300–5 (Eng. Abstr.) **(Ger)**

[Quantitative evaluation of thallium–201 myocardial scintigraphy] Götsche A, et al. **Radiobiol Radiother (Berl)** 1984;25(3):453–64 (Eng. Abstr.) **(Ger)**

[Comparison of T1201 stress scintigraphy and rest and stress ventriculography with respect to the degree of stenosis and collateral findings] Gottwik MG, et al. **Radiologe** 1984 Jun; 24(6):272–6 (Eng. Abstr.) **(Ger)**

[Differential diagnostic considerations in detecting cardiomyopathy on the 201–thallium myocardial scintigram] Krause FJ, et al. **ROFO** 1983 Oct;139(4):449–51 **(Ger)**

[Radionuclide studies in chronically hemodialyzed patients. Diagnosis of coronary disease using Tl–201 myocardial scintigraphy after administration of dipyridamole] Dudczak R, et al. **Wien Klin Wochenschr** 1984 Apr 27;96(9):332–6 (Eng. Abstr.) **(Ger)**

[Changes in the left ventricular ejection fraction during exercise and in the thallium–201 perfusion after administration of dipyridamole in patients with coronary disease] Schmoliner R, et al. **Wien Klin Wochenschr** 1984 Apr 27;96(9):343–9 (Eng. Abstr.) **(Ger)**

[Diagnostic value of thallium–201 myocardial scintigraphy in comparison with echocardiography] Bach H, et al. **Z Arztl Fortbild (Jena)** 1983;77(20):855–7 **(Ger)**

[Improvement of the non–invasive diagnosis of coronary heart disease using a new double–isotope method for the noninvasive determination of coronary transit times] Tillmanns H, et al. **Z Kardiol** 1984 Apr;73(4):289–95 (Eng. Abstr.) **(Ger)**

[Quantification of the variable threshold of ischemia in secondary and primary angina by studies of myocardial perfusion with thallium–201 in serial exercise tests] Aguirre JM, et al. **Boll Soc Ital Cardiol** 1982 Nov;27(11):1097 **(Ita)**

[Computerized 201 thallium study of thyroid cold nodules] Palermo F, et al. **Minerva Chir** 1984 Feb 15;39(3):121–8 (Eng. Abstr.) **(Ita)**

[Evaluation of thallium–201 distribution in myocardial scintigraphies performed after exertion] Ciambellotti E, et al. **Minerva Med** 1984 Jan 14;75(1–2):9–16 (Eng. Abstr.) **(Ita)**

[Clinical significance of stress thallium–201 myocardial scintigraphy for evaluation of right ventricular ischemia] Kataoka H, et al. **J Cardiogr** 1983 Jun;13(2):243–56 (Eng. Abstr.) **(Jpn)**

[Analysis of coronary hemodynamics in exercise by T1–201 scintigraphy: examination of rates of change of cardiac output, myocardial blood flow distribution, coronary blood flow and coronary vascular resistance] Sugihara H, et al. **J Cardiogr** 1983 Jun;13(2):233–41 (Eng. Abstr.) **(Jpn)**

[Usefulness and limitations of stress T1–201 myocardial single photon emission computed tomography in detecting multivessel disease in patients with previous myocardial infarction] Futagami Y, et al. **Kaku Igaku** 1983 Nov;

20(9):1339–48 (Eng. Abstr.) (Jpn)
[ECG-gated single photon emission computed tomography for thallium-201 myocardial imaging in patients with hypertrophic cardiomyopathy. Futagami Y, et al. **Kaku Igaku** 1983 Jun;20(5):633–40 (Eng. Abstr.) (Jpn)
[Evaluation of arbitrary tomographic images in 201 Tl myocardial ECT (emission computed tomography)] Inoue T, et al. **Kaku Igaku** 1983 Apr;20(3):277–87 (Eng. Abstr.) (Jpn)
[Assessment of circumferential profile analysis for 201Tl myocardial imaging with stress] Inoue T, et al. **Kaku Igaku** 1983 Jul;20(6):849–57 (Jpn)
[Differential diagnosis of malignant and benign nodular goiters with early and delayed 201TiCl scintigraphy] Kakehi H, et al. **Kaku Igaku** 1984 Feb;21(2):141–7 (Eng. Abstr.) (Jpn)
[Evaluation of myocardial involvement in Duchenne progressive muscular dystrophy with thallium-201 myocardial perfusion imaging] Kawai N, et al. **Kaku Igaku** 1983 Dec;20(10):1433–40 (Eng. Abstr.) (Jpn)
[Noninvasive diagnosis of coronary arterial lesions by exercise thallium-201 myocardial perfusion imaging] Kawai N, et al. **Kaku Igaku** 1983 May;20(4):371–83 (Eng. Abstr.) (Jpn)
[Diagnostic reliabilities of exercise stress radionuclide angiocardiography and thallium-201 myocardial perfusion imaging in patients with effort angina] Miyakoda H, et al. **Kaku Igaku** 1983 Jul;20(6):831–40 (Eng. Abstr.) (Jpn)
[201 Tl myocardial scintigrams of hypertrophic cardiomyopathy—201 Tl uptake by the right ventricular myocardium] Miyanaga H, et al. **Kaku Igaku** 1983 Apr; 20(3):329–33 (Eng. Abstr.) (Jpn)
[Morphological evaluation of the left ventricle by 201 Tl myocardial scintigraphy—determination of the long and short axes and mean radius of the curvatures of the left ventricle] Miyanaga H, et al. **Kaku Igaku** 1983 Apr; 20(3):335–9 (Eng. Abstr.) (Jpn)
[Usefulness of automated measurement of spatial distribution and regional wash out ratio in stress Tl-201 myocardial scintigraphy] Tada A, et al. **Kaku Igaku** 1983 Nov; 20(9):1329–37 (Eng. Abstr.) (Jpn)
[Quantitative analysis of thallium myocardial emission CT (1). Normal thallium distribution] Tamaki N, et al. **Kaku Igaku** 1984 Jan;21(1):35–40 (Eng. Abstr.) (Jpn)
[Evaluation of left ventricular hypertrophy using thallium-201 myocardial scintigraphy: comparison between pressure and volume overloading] Tsukahara Y, et al. **Kaku Igaku** 1983 Sep;20(8):1107–19 (Eng. Abstr.) (Jpn)
[Thallium-201 myocardial scintigram in primary pulmonary hypertension] Fujii I, et al. **Kokyu To Junkan** 1984 Feb; 32(2):161–4 (Eng. Abstr.) (Jpn)
[Redistribution of thallium-201 into the right ventricle through collateral circulation] Kataoka H, et al. **Kokyu To Junkan** 1984 May;32(5):527–31 (Eng. Abstr.) (Jpn)
[A case of aright coronary arterial fistula opening into the left ventricle—assessment by echocardiography and radionuclide cardioangiography] Takahashi H, et al. **Kokyu To Junkan** 1984 Feb;32(2):191–6 (Eng. Abstr.) (Jpn)
[201T1-chloride imaging of malignant thymus neoplasm] Ayabe Z, et al. **Rinsho Hoshasen** 1984 Feb;29(2):341–2 (Jpn)
[Quantitative evaluation of Tl—201 myocardial scintigraphy] Kanemoto N, et al. **Rinsho Hoshasen** 1981 Dec; 26(13):1371–8 (Eng. Abstr.) (Jpn)
[Use of myocardial scintigraphy with 201Tl for differential diagnosis of ischemic heart disease and hypertrophic cardiomyopathy in women] Spizhovyi VN, et al. **Kardiologiia** 1983 Aug;23(8):51–5 (Eng. Abstr.) (Rus)
[Comparative evaluation of the results of myocardial scintigraphy in patients with stenocardia] Kramer AA, et al. **Sov Med** 1983;(9):3–6 (Eng. Abstr.) (Rus)
[Myocardial gammagraphy with 201-thallium: sensitivity, specificity and predictive value] Candell Riera J, et al. **Med Clin (Barc)** 1984 Apr 21;82(15):656–60 (Eng. Abstr.) (Spa)
[Usefulness of myocardial perfusion gammagraphy in children with myocardiopathies and abnormal origin of the left coronary artery] Castro Beiras JM, et al. **Rev Clin Esp** 1983 Jun 15–30;169(5–6):331–6 (Eng. Abstr.) (Spa)
[Thallium-201 in newborn infants and children with myocardial pathology] Cazzaniga M, et al. **Rev Esp Cardiol** 1983;36(3):239–46 (Eng. Abstr.) (Spa)
[Thallium-201-dipyridamole. Diagnostic value in coronary disease] del Río A, et al. **Rev Esp Cardiol** 1984 Mar-Apr; 37(2):90–3 (Eng. Abstr.) (Spa)
[Usefulness of the exercise test with thallium in asymptomatic patients after one episode of unstable angina] Roig E, et al. **Rev Esp Cardiol** 1984 Mar-Apr;37(2):85–9 (Eng. Abstr.) (Spa)

METABOLISM

Quantification of pulmonary thallium-201 activity after upright exercise in normal persons: importance of peak heart rate and propranolol usage in defining normal values. Brown KA, et al. **Am J Cardiol** 1984 Jun 1;53(11):1678–82
Thallium-201 accumulation during reperfusion of ischemic myocardium: dependence on regional blood flow rather than viability. Forman R, et al. **Am J Cardiol** 1984 Sep 1;54(6):659–63
Furosemide-sensitive thallium fluxes in smooth muscle of rabbit uterus. Johns A, et al. **Am J Physiol** 1983 Dec; 245(6):F778–83
Thallous ion permeation through the cation-selective channel of the sarcoplasmic reticulum. Anomalous mole fraction dependence. Fox JA. **Biochim Biophys Acta** 1983 Dec 21; 736(2):241–5
Influence of propranolol on uptake of radioiodinated heptadecanoic acid and thallium-201 in the dog heart. van der Wall EE, et al. **Eur J Nucl Med** 1983;8(10):454–7
Clearance of 202Tl contaminate following intravenous injection of 201Tl. Berger CD, et al. **Health Phys** 1983 Nov;45(5):999–1001
Comparison between active transport of T1+, K+ and Rb+ across the isolated short-circuited frog skin. Zerahn K. **J Exp Biol** 1983 Nov;107:65–72
Thallium-201: an experimental and a theoretical radiobiological approach to dosimetry. Kassis AI, et al. **J Nucl Med** 1983 Dec;24(12):1164–75
The influence of the permeant ions thallous and potassium on inward rectification in frog skeletal muscle. Ashcroft FM, et al. **J Physiol (Lond)** 1983 Oct;343:407–28
Quantitation and localization of 204thallium in the central and peripheral nervous system of adult and young rats. Ducket S, et al. **Neurotoxicology (Park Forest II)** 1983 Summer;4(2):227–34
Thallium determinations in fetal tissues and maternal brain and kidney. Ziskoven R, et al. **Toxicol Lett** 1983 Dec; 19(3):225–31
[Computer program for myocardial thallium scintigraphy with reference to spatial distribution and temporal wash-out kinetics with automatic delivery of results] Mostbeck A. **Radiobiol Radiother (Berl)** 1983;24(6):795–8 (Eng. Abstr.) (Ger)
[Accumulation mechanism of 201Tl—K-contents and Na, K-ATPase activities of tissues] Nakamura K, et al. **Radioisotopes** 1983 Dec;32(12):626–8 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

The action of thallium acetate on neuromuscular transmission in the rat phrenic nerve-diaphragm preparation. Wiegand H, et al. **Arch Toxicol** 1984 Mar;55(1):55–8
Arylthallium(III) reagents for protein modification. Inhibition of lactate dehydrogenase from various sources by o-carboxyphenylthallium(III) bistrifluoroacetate. Bunni MA, et al. **Biochem J** 1984 Jan 15;217(2):383–90
Studies on the mechanisms of thallium-mediated inhibition of hepatic mixed function oxidase activity. Correlation with inhibition of NADPH-cytochrome c (P-450) reductase. Woods JS, et al. **Biochem Pharmacol** 1984 Feb 15; 33(4):571–6
[Effect of thallium ions on gramicidin-induced conductance of muscle fiber membranes] Shvinka NE, et al. **Biofizika** 1983 Nov-Dec;28(6):1006–9 (Eng. Abstr.) (Rus)
[Effect of thallium ions on the relation between ATP hydrolysis and 180-exchange in the Na+, K+-ATPase system] Skvortsevich EG. **Nerv Sist** 1982;23:95–8 (Rus)

POISONING

Cardiopulmonary effects of acute thallium poisoning. Roby DS, et al. **Chest** 1984 Feb;85(2):236–40
Acute thallium poisoning in a 3-year-old child. A case report. Mayfield SR, et al. **Clin Pediatr (Phila)** 1984 Aug; 23(8):461–2
Thallium poisoning—toxin elimination and therapy in three cases. Heath A, et al. **J Toxicol Clin Toxicol** 1983 Jul; 20(5):451–63
Neurological deficit more than thirty years after chronic thallium intoxication [letter] Barnes MP, et al. **Lancet** 1984 Mar 10;1(8376):562
Thallium poisoning in group assassination attempt. McCormack J, et al. **Postgrad Med** 1983 Dec;74(6):239–41, 244
[Nature of the black zones in hair following ingestion of thallium] Kijewski H. **Arch Kriminol** 1984 Jan-Feb; 173(1-2):36–44 (Eng. Abstr.) (Ger)
[Hair findings in a series of 6 thallium poisonings] Metter D, et al. **Beitr Gerichtl Med** 1984;42:379–85 (Eng. Abstr.) (Ger)
[Structure of the hair in thallium poisoning] Metter D, et al. **Z Rechtsmed** 1984;91(3):201–14 (Eng. Abstr.) (Ger)
[Neurotoxic occupational substances: I. Metals and their compounds. A literature review of the years 1970 to 1982] Triebig G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan;177(1-2):11–36 (129 ref.) (Eng. Abstr.) (Ger)

TOXICITY

Antimony and thallium toxicity to embryos and larvae of fathead minnows (Pimephales promelas). LeBlanc GA, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):565–9
Behavioural, electrocortical and spectrum power effects after intraventricular injection of thallium in rats. Nisticò G, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):1–4
Mutagenic effect of thallium and mercury salts on rodent cells with different repair activities. Zasukhina GD, et al. **Mutat Res** 1983 Nov;124(2):163–73
[Effect of thallium ions on sodium and potassium transport in frog skin] Skul'skiĭ IA, et al. **Tsitologiia** 1983 Nov; 25(11):1284–8 (Eng. Abstr.) (Rus)

URINE

A comparison of two methods for the determination of thallium in urine. Differential pulse anodic stripping voltammetry and flameless atomic absorption spectrophotometry. Bessems GJ, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):321–6
Chemical and atomic absorption methods for thallium in urine compared [letter] Wakid NW, et al. **Clin Chem** 1984 Apr;30(4):587–8

THANATOLOGY see under **DEATH**

THC see **TETRAHYDROCANNABINOL**

THEBAINE

ANALOGS & DERIVATIVES

Analgesics of the orvinol type. 19-Deoxy and 6,20-epoxy derivatives. Hutchins CW, et al. **J Med Chem** 1984 Apr; 27(4):521–7
Probes for narcotic receptor mediated phenomena. 5. Narcotic antagonist irreversible ligands based on endoethenotetrahydrooripavine. Jacobson AE, et al. **Life Sci** 1983;33 Suppl 1:159–62

THECA CELL TUMOR

Luteoma of pregnancy. Cronjé HS. **S Afr Med J** 1984 Jul 14;66(2):59–60

COMPLICATIONS

Juvenile-type granulosa theca cell tumour producing precocious pseudopuberty. A case report. Yalaburgi SB, et al. **S Afr Med J** 1984 Mar 24;65(12):488–90
[Fibrothecoma of the ovary with typical Meigs syndrome and tumorous cachexia] Koussidis A, et al. **Zentralbl Gynakol** 1984;106(5):341–4 (Eng. Abstr.) (Ger)

PATHOLOGY

Lipid cell thecomas of the ovary. Hughesdon PE. **Histopathology** 1983 Sep;7(5):681–92
Sclerosing stromal tumor of the ovary: case report and review of the literature. Hsu C, et al. **Int J Gynecol Pathol** 1983;2(2):192–200
Malignant sex cord-stromal tumor of testis. Eble JN, et al. **J Urol** 1984 Mar;131(3):546–50
Establishment and characterization of an estrogen-producing human ovarian granulosa tumor cell line. Ishiwata I, et al. **JNCI** 1984 Apr;72(4):789–800

SECRETION

Long-term culture of human ovarian theca cell tumor, an estrogen-producing tumor. Ishiwata I, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):465–71
The effects of continuous androgen secretion on the hypothalamic-pituitary axis in woman: evidence from a luteinized thecoma of the ovary. Dunaif A, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):389–93
[Virilizing luteoma of pregnancy. Relation to po!ycystic ovaries] Guilmot JL, et al. **Sem Hop Paris** 1983 Dec 1; 59(44):3053–7 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

Ultrastructure and immunohistochemical localization of estradiol in three thecomas. Gaffney EF, et al. **Hum Pathol** 1984 Feb;15(2):153–60

THECA CELLS

ANALYSIS

Steroid concentrations in isolated theca and granulosa layers of preovulatory follicles during the ovulatory cycle of the domestic hen. Bahr JM, et al. **Biol Reprod** 1983 Sep; 29(2):326–34

CYTOLOGY

[Monolayer culture of human ovarian thecal cells. A study on morphological and functional characteristics] Katayama E. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun; 36(6):927–36 (Eng. Abstr.) (Jpn)
[Ovarian interstitial cells in mammals] Korolev NV. **Tsitol Genet** 1984 Mar-Apr;18(2):147–54 passim (86 ref.) (Eng. Abstr.) (Rus)

ENZYMOLOGY

Aromatase activity in ovarian follicles of the golden hamster. Matson PL, et al. **J Reprod Fertil** 1984 Sep;72(1):101–5

METABOLISM

Prostaglandin production by dispersed granulosa and theca interna cells from porcine preovulatory follicles. Ainsworth L, et al. **Biol Reprod** 1984 Aug;31(1):115–21
Steroidogenesis by bovine theca interna in an in vitro perifusion system. McNatty KP, et al. **Biol Reprod** 1984 Feb;30(1):159–70
Steroid metabolism by avian ovarian cells during follicular maturation. Marrone BL, et al. **Biol Reprod** 1983 Nov;

29(4):953–62
Changes in relaxin production by the theca during the preovulatory period of the pig. Evans G, et al. **J Reprod Fertil** 1983 Nov;69(2):677–83
Inhibition of thecal androstenedione production by exogenous progesterone in the cyclic hamster. Garza F, et al. **J Reprod Fertil** 1984 Mar;70(2):493–8
Steroid production by isolated theca and granulosa cells after initiation of atresia in the hamster. Silavin SL, et al. **J Reprod Fertil** 1984 Jul;71(2):387–92
[125I]hCG binding to bovine thecal tissue from healthy and atretic antral follicles. Henderson KM, et al. **Mol Cell Endocrinol** 1984 Feb;34(2):91–8
Insulin stimulates androgen accumulation in incubations of human ovarian stroma and theca. Barbieri RL, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):73S–80S

PHYSIOLOGY

The fate of thecal smooth muscle cells in postovulatory hamster follicles. Martin GG, et al. **Anat Rec** 1983 Oct; 207(2):267–77
Distinguishing the steroidogenic roles of granulosa and theca cells of the dominant ovarian follicle and corpus luteum. Marut EL, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):925–30
Some aspects of thecal and granulosa cell function during follicular development in the bovine ovary. McNatty KP, et al. **J Reprod Fertil** 1984 Sep;72(1):39–53

ULTRASTRUCTURE

Ultrastructure of the human theca folliculi. Kristek F, et al. **Folia Morphol (Praha)** 1984;32(1):5–8

THECOMA see **THECA CELL TUMOR**

THEFT

Absent-mindedness in shops: its incidence, correlates and consequences. Reason J, et al. **Br J Clin Psychol** 1984 May; 23 (Pt 2):121–31
Psychiatric aspects of shoplifting. Fisher C. **Br J Hosp Med** 1984 Mar;31(3):209–12
First offender adult shoplifters: a preliminary profile. Ray JB, et al. **J Clin Psychol** 1983 Sep;39(5):769–70
Neither guilty nor insane. Low NC. **Med Sci Law** 1983 Oct; 23(4):275–8
The elimination of mealtime food stealing and scavenging behavior in an institutionalized severely mentally retarded adult. Smith AL Jr, et al. **Ment Retard** 1983 Dec; 21(6):255–9
College shoplifters: rebuttal of Beck and McIntyre. Moore RH. **Psychol Rep** 1983 Dec;53(3 Pt 2):1111–6
[Alcohol in the psychopathology of homicide and robberies] Kramarz E. **Ann Acad Med Stetin** 1983;29:305–21 (44 ref.) (Eng. Abstr.) **(Pol)**

LEGISLATION & JURISPRUDENCE

Psychiatric aspects of shoplifting [letter] Tarsh MJ. **Br J Hosp Med** 1984 Jun;31(6):454
Shoplifting: an occasional crime of the moral majority. Cupchik W, et al. **Bull Am Acad Psychiatry Law** 1983; 11(4):343–54

PREVENTION & CONTROL

Stemming consumer theft. Siecker BR. **Am Pharm** 1983 Sep; NS23(9):33–9
Controlling internal losses in a pharmacy. Siecker BR. **Am Pharm** 1983 Sep;NS23(9):40–6
Protecting the pharmacy against burglary. Siecker BR. **Am Pharm** 1983 Sep;NS23(9):27–32
Reducing the danger of pharmacy robbery. Siecker BR. **Am Pharm** 1983 Sep;NS23(9):21–6
Assessment and reduction of food stealing in Prader-Willi children. Page TJ, et al. **Appl Res Ment Retard** 1983; 4(3):219–28
Eliminating stealing. Use of stimulus control with an elementary student. Rosen HS, et al. **Behav Modif** 1983 Jan;7(1):56–63
Undercover investigators used to detect hospital theft. Schuyler S. **Hospitals** 1984 Jan 1;58(1):55–6
Follow-up of stealing behavior in 27 youths after a variety of treatment programs. Henderson JQ. **J Behav Ther Exp Psychiatry** 1983 Dec;14(4):331–7
Reduction of food theft and long-term maintenance of weight loss in a Prader-Willi adult. Page TJ, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):261–8 (30 ref.)

THEILERIASIS

DIAGNOSIS

Clinical and diagnostic features of East Coast fever (Theileria parva) infection of cattle. Irvin AD, et al. **Vet Rec** 1983 Aug 27;113(9):192–8 (43 ref.)
[Existence of Theileria mutans and Theileria velifera (Sporozoa, Theileriidae) in Guadeloupe (French West Indies)] Uilenberg G, et al. **Rev Elev Med Vet Pays Trop** 1983;36(3):261–4 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Activity of 10 naphthoquinones, including parvaquone (993C) and menoctone, in cattle artificially infected with Theileria parva. McHardy N, et al. **Res Vet Sci** 1983 Nov; 35(3):347–52

IMMUNOLOGY

The effect of Theileria annulata infection on the immune response of cattle to foot-and-mouth disease. Sharpe RT, et al. **Br Vet J** 1983 Sep-Oct;139(5):378–85
Evidence for a common protective antigenic determinant on sporozoites of several Theileria parva strains. Musoke AJ, et al. **Immunology** 1984 Jun;52(2):231–8
Monoclonal antibody neutralizes the sporozoite stage of different Theileria parva stocks. Dobbelaere DA, et al. **Parasite Immunol** 1984 Jul;6(4):361–70
A histocompatibility barrier to immunization against East Coast fever using Theileria parva-infected lymphoblastoid cell lines. Dolan TT, et al. **Parasite Immunol** 1984 May; 6(3):243–50
Immunisation against East Coast fever: correlation between monoclonal antibody profiles of Theileria parva stocks and cross immunity in vivo. Irvin AD, et al. **Res Vet Sci** 1983 Nov;35(3):341–6
Characterisation of stocks of Theileria parva by monoclonal antibody profiles. Minami T, et al. **Res Vet Sci** 1983 Nov; 35(3):334–40
T- and B-lymphoid cell population in calves immunized against Theileria annulata. Samad MA, et al. **Vet Parasitol** 1983 Sep;13(2):109–14

PARASITOLOGY

Dose dependent responses of cattle to Theileria parva stabilate. Dolan TT, et al. **Int J Parasitol** 1984 Feb; 14(1):89–95
Isolation and transmission of Theileria mutans (Chisamba) in Zambia. Musisi FL, et al. **Res Vet Sci** 1984 Jan; 36(1):129–31
Theileria orientalis in Iran. Uilenberg G, et al. **Vet Q** 1984 Jan;6(1):1–4

PREVENTION & CONTROL

Protection of cattle against Theileria annulata infection using Corynebacterium parvum. Manickam R, et al. **Trop Anim Health Prod** 1983 Nov;15(4):209–13
Non-specific immunization against bovine tropical theileriosis (Theileria annulata) using killed Corynebacterium parvum. Manickam R, et al. **Vet Parasitol** 1983 Sep;13(2):115–9

TRANSMISSION

Note on the transmission of Theileria annulata by Hyalomma ticks in the Sudan. Mustafa Uel-H, et al. **Vet Q** 1983 Jul; 5(3):112–3

THELAZIA see under **SPIRUROIDEA**

THEMATIC APPERCEPTION TEST

An analysis of the interpersonal perceptions of adolescents. Ra JB. **Adolescence** 1983 Winter;18(72):859–73
Projective assessment of the relationships between the salience of death, religion, and age among adults in America. Richardson V, et al. **J Gen Psychol** 1983 Oct; 109(2d Half):149–56
Marijuana-induced primary process content in the TAT. West A, et al. **J Pers Assess** 1983 Oct;47(5):466–7
[A study of the repression-sensitization dimension in the Thematic Apperception Test] Kimura N. **Shinrigaku Kenkyu** 1983 Jun;54(2):95–101 (Eng. Abstr.) **(Jpn)**

THENOYLTRIFLUOROACETONE see under **THIOPHENES**

THEOBROMINE

ANALOGS & DERIVATIVES

Effect of caffeine, aminophylline and pentoxifylline on memory processes in mice. Izquierdo JA, et al. **Acta Physiol Lat Am** 1981;31(3):207–9
Protein secretion induced by isoproterenol or pentoxifylline in lacrimal gland: Ca2+ effects. Mauduit P, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C37–44
Pentoxifylline treatment of asthenozoospermia. Marsiglia EA, et al. **Andrologia** 1983;15 Spec No:571–2
Red cell flexibility and platelet aggregation in patients with chronic obstructive vascular disease (COAD) and study of therapeutic approaches. Ambrus JL, et al. **Angiology** 1984 Jul;35(7):418–26
Pharmacology of pentoxifylline, a hemorheologic agent for the treatment of intermittent claudication. Aviado DM, et al. **Angiology** 1984 Jul;35(7):407–17
Studies of the clinical pharmacology and therapeutic efficacy of pentoxifylline in peripheral obstructive arterial disease. Di Perri T, et al. **Angiology** 1984 Jul;35(7):427–35
Prevention of post-operative thrombosis in peripheral arteriopathies. Pentoxifylline vs. conventional antiaggregants: a six-month randomized follow-up study. Lucas MA. **Angiology** 1984 Jul;35(7):443–50
Changes in the rheologic properties of blood after a high altitude expedition. Palareti G, et al. **Angiology** 1984 Jul; 35(7):451–8
Effects of flunarizine and pentoxifylline on walking distance and blood rheology in claudication. Perhoniemi V, et al. **Angiology** 1984 Jun;35(6):366–72
Pentoxifylline in the treatment of intermittent claudication of the lower limbs. Reich T, et al. **Angiology** 1984 Jul; 35(7):389–95
Trental 400 in the treatment of intermittent claudication: results of long-term, placebo-controlled administration. Roekaerts F, et al. **Angiology** 1984 Jul;35(7):396–406
Double-blind, crossover study of the clinical efficacy and the hemorheological effects of pentoxifylline in patients with occlusive arterial disease of the lower limbs. Strano A, et al. **Angiology** 1984 Jul;35(7):459–66
Filterability of subpopulations of leukocytes: effect of pentoxifylline. Schmalzer EA, et al. **Blood** 1984 Aug; 64(2):542–6
Cardioprotective actions of pentoxifylline in an animal model of acute myocardial ischaemia. Gallenkämper W, et al. **Br J Pharmacol** 1984 Apr;81(4):575–81
First and second degree atrioventricular block in oxpentifylline overdose. Sznajder I, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):26
Does oxpentifylline ('Trental') have a place in the treatment of intermittent claudication? Donaldson DR, et al. **Curr Med Res Opin** 1984;9(1):35–40
Effect of pentoxifylline ('Trental') on cochlear blood flow as measured by hydrogen wash-out. Maass B, et al. **Curr Med Res Opin** 1984;9(1):52–5
Determination of 3,7-dimethyl-1-(5-oxohexyl)-xanthine (pentoxifylline) and its 3,7-dimethyl-1-(5-hydroxyhexyl)-xanthine metabolite in the plasma of patients with multiple diseases using high-performance liquid chromatography. Rieck W, et al. **J Chromatogr** 1984 Feb 10;305(2):419–27
Determination of pentoxifylline and its major metabolites in microbial extracts by thin-layer and high-performance liquid chromatography. Smith RV, et al. **J Chromatogr** 1983 Dec 23;281:281–7
Effects of diltiazem on the physicochemical properties of rat erythrocyte and liposome membrane: comparison with pentoxifylline and propranolol. Sasaki Y, et al. **Jpn J Pharmacol** 1984 Apr;34(4):417–27
Effect of pentoxifylline on sickle cell thalassaemia: haemorheological and clinical results. Seiffge D, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1159–60
Pentoxifylline enhances formation of prostacyclin from rat vascular and renal tissue. Sinzinger H. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):217–26
Effect of phosphodiesterase inhibitors on platelet aggregation and tumor metastasis. Ambrus JL, et al. **Ric Clin Lab** 1981; 11 Suppl 1:197–207
Peripheral vasodilators versus pentoxifylline for the treatment of intermittent claudication. Aviado DM. **Ric Clin Lab** 1983;13 Suppl 3:263–8
The influence of I.V. application of pentoxifylline on the viscoelasticity of blood in patients with peripheral vascular disorders. Chmiel H, et al. **Ric Clin Lab** 1981;11 Suppl 1:189–96
In vitro effects of pentoxifylline on hemoglobin affinity for oxygen and electrolytic equilibrium of human blood. Ferraresi I, et al. **Ric Clin Lab** 1983 Oct-Dec;13(4):459–65
Cerebral blood flow in patients with cerebrovascular disorders: study with pentoxifylline. Hartmann A. **Ric Clin Lab** 1981;11 Suppl 1:243–6
A randomized clinical trial of pentoxifylline and antiaggregants in recent transient ischemic attacks (TIA). A one year follow-up. Herskovits E, et al. **Ric Clin Lab** 1981;11 Suppl 1:257–64
The effect of pentoxifylline on circulatory disturbances of the retina and optic nerve. A report of ten years clinical experience. Küchle HJ, et al. **Ric Clin Lab** 1981;11 Suppl 1:333–43
Special therapeutical aspects of cerebrovascular disease. Lechner H, et al. **Ric Clin Lab** 1981;11 Suppl 1:247–51
Hemorheologic conditions in patients with cerebrovascular disease altered by treatment with pentoxifylline. Ott E, et al. **Ric Clin Lab** 1981;11 Suppl 1:253–6
Study on relationship between erythrocyte filtration and other risk factors in diabetic angiopathy. Pozza G, et al. **Ric Clin Lab** 1981;11 Suppl 1:317–26
Filtrability investigations with red blood cell (RBC) suspensions: effects of different blood components and pentoxifylline on RBC flow rate. Seiffge D, et al. **Ric Clin Lab** 1981;11 Suppl 1:117–23
Drug stimulated prostacyclin release. Weithmann KU. **Ric Clin Lab** 1981;11 Suppl 1:209–14
The effect of pentoxifylline on impaired red cell deformability following open-heart surgery. Koul BL, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):129–31
[Intermittent claudication treated with pentoxifylline. A controlled trial] Skovborg F, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3649–52 **(Dan)**
[New approach to the treatment of arteritis using a combination of drugs and hypervolemia with clinical and biological monitoring] Gicquiau N. **Phlebologie** 1983 Jul-Sep;36(3):219–29 (Eng. Abstr.) **(Fre)**
[Rheologic effect of naftidrofuryl and pentoxifylline] Radtke H, et al. **Med Welt** 1983 Jul 29;34(29–30):833–6 **(Ger)**

[Release of the active agent from matrix tablets with mastix as the base substance] Georgarakis M, et al. **Pharmazie** 1984 Mar;39(3):186–7 (Ger)
[Use of erythrocyte filtration in the study of diabetic vasculopathy. Therapeutic efficacy of pentoxifylline] Moratti F, et al. **Clin Ter** 1983 Jul 15;106(1):19–25 (Eng. Abstr.) (Ita)
[Action of pentoxifylline on the velocity of aortic blood in valvular stenosis of the aorta] Orlando E, et al. **Minerva Cardioangiol** 1983 Sep;31(9):529–34 (Eng. Abstr.) (Ita)
[Evaluation of the effect of pentoxifylline on the conjunctival microcirculation of diabetic subjects] Brancato R, et al. **Ric Clin Lab** 1981;11 Suppl 1:327–31 (Ita)
[Clinical aspects of hemorrheology in the aged: possibility of prevention and therapy] Feruglio FS, et al. **Ric Clin Lab** 1981;11 Suppl 1:373–9 (Ita)
[Effects of pentoxifylline on blood viscosity and peripheral hemodynamics in patients with peripheral occlusive arteriopathies] Guerrini M, et al. **Ric Clin Lab** 1981;11 Suppl 1:265–79 (Ita)
[Hemocoagulation, fibrinolytic and rheologic parameters in ischemic vasculopathy. Effects of pentoxifylline in the treatment of acute cerebral vasculopathy] Muggeo M, et al. **Ric Clin Lab** 1981;11 Suppl 1:353–71 (Ita)
[Therapeutic experience with pentoxifylline in sensorineural deafness and Meniere's disease] Pallestrini EA, et al. **Ric Clin Lab** 1981;11 Suppl 1:395–408 (Ita)
[Use of pentoxifylline in diabetes with intermittent claudication] Petruzzi E, et al. **Ric Clin Lab** 1983;13 Suppl 3:451–4 (Eng. Abstr.) (Ita)
[Chronic senile cerebrovascular insufficiency. Effects of suloctidil and pentoxifylline on erythrocyte deformability] Pilla G, et al. **Ric Clin Lab** 1983;13 Suppl 3:459–64 (Eng. Abstr.) (Ita)
[Clinical pharmacology of vasoactive substances: study on pentoxifylline] Pupita F, et al. **Ric Clin Lab** 1981;11 Suppl 1:293–302 (Ita)
[Clinical evaluation of the effects of pentoxifylline in patients with chronic peripheral circulatory disorders] Strano A, et al. **Ric Clin Lab** 1981;11 Suppl 1:303–11 (Ita)
[Erythrocyte filterability and treatment with pentoxifylline] Valentini M, et al. **Ric Clin Lab** 1983;13 Suppl 3:455–8 (Eng. Abstr.) (Ita)
[Clinical and hemodynamic evaluation of the action of pentoxifylline in patients with obstructive arteriopathy of the lower extremities] Zaccaria A, et al. **Ric Clin Lab** 1981; 11 Suppl 1:381–6 (Ita)
[Effect of pentoxyfylline and xanthinol nicotinate on the overall blood pressure and tonus of cerebral and peripheral vessels] Gaevyi MD, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):53–7 (Eng. Abstr.) (Rus)
[Changes in erythrocyte metabolism during treatment of experimental salmonellosis poisoning] Tselik NI, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):12–4 (Eng. Abstr.) (Rus)

ANALYSIS

Determination of caffeine, theophylline and theobromine in serum and saliva using high-performance liquid chromatography. Scott NR, et al. **Ann Clin Biochem** 1984 Mar;21 (Pt 2):120–4
High-performance liquid chromatographic determination of theobromine, theophylline and caffeine in food products. Terada H, et al. **J Chromatogr** 1984 May 18;291:453–9

METABOLISM

Theobromine kinetics and metabolic disposition. Tarka SM Jr, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):546–55
Comparative theobromine metabolism in five mammalian species. Miller GE, et al. **Drug Metab Dispos** 1984 Mar–Apr;12(2):154–60
Theobromine metabolism. **Food Chem Toxicol** 1983 Oct; 21(5):678–9
Kinetics and metabolism of theobromine in male rats. Bonati M, et al. **Toxicology** 1984 Apr 16;30(4):327–41
Kinetics and metabolism of theobromine in male and female non-pregnant and pregnant rabbits. Latini R, et al. **Toxicology** 1984 Apr 16;30(4):343–54

PHARMACODYNAMICS

Effect of colchicine & methylated purines on UV-induced mitotic gene conversion in Saccharomyces cerevisiae. Vashishat RK, et al. **Indian J Exp Biol** 1983 Jul; 21(7):367–70

TOXICITY

Comparative toxicities of dietary caffeine and theobromine in the rat. Gans JH. **Food Chem Toxicol** 1984 May; 22(5):365–9
Toxicity of jimson weed seed and cocoa shell meal to broilers. Day EJ, et al. **Poult Sci** 1984 Mar;63(3):466–8
Dominant lethal testing of theobromine in rats. Shively CA, et al. **Toxicol Lett** 1984 Mar;20(3):325–9

THEOLOGY see **RELIGION**

THEOPHYLLINE

Drug abuse and the asthmatic patient: a case report. Szefler SJ, et al. **J Allergy Clin Immunol** 1984 Aug;74(2):201–4
The pharmacology and therapeutic use of theophylline. Weinberger M. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):525–40 (106 ref.)
Optical resolution, absolute configuration, and activity of the enantiomers of proxyphylline. Selvig K, et al. **J Med Chem** 1983 Oct;26(10):1514–8
[Interaction of theophylline with several aliphatic organic dibasic acids in a solid state] Nishijo J, et al. **Yakugaku Zasshi** 1983 Aug;103(8):819–24 (Eng. Abstr.) (Jpn)
[Theophylline—present concepts] Cukier A, et al. **Rev Paul Med** 1984 Jan–Feb;102(1):27–30 (Por)

ADMINISTRATION & DOSAGE

Preventing problems with premixed theophylline intravenous infusions. Jennings RH. **Am J Hosp Pharm** 1984 Apr; 41(4):727–8
Theophylline dose prediction. Beswick DT, et al. **Arch Dis Child** 1984 Aug;59(8):758–61
A cross-over study of oral and intravenous administration of theophylline in male volunteers. Absolute bioavailability of theophylline tablets. Kaumeier HS, et al. **Arzneimittelforsch** 1984;34(1):92–5
Twice daily slow-release theophylline vs placebo for 'morning-dipping' in asthma. Davies PD, et al. **Br J Clin Pharmacol** 1984 Mar;17(3):335–40
Influence of chronic dosing on theophylline clearance. Efthimiou H, et al. **Br J Clin Pharmacol** 1984 May; 17(5):525–30
Prediction of maintenance oral theophylline dosage using single oral doses in patients with obstructive airways disease. Taylor DR, et al. **Br J Clin Pharmacol** 1983 Nov; 16(5):511–6
How many plasma theophylline levels are needed to control therapy? Ullah MI. **Br J Clin Pract [Symp Suppl]** 1984;32:32
Application of calcium thioglycolate to improve transdermal delivery of theophylline in rats. Kushida K, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):268–74
Examination of natural gums as matrices for sustained release of theophylline. Nakano M, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):782–5
Nonlinear regression program to individualize oral theophylline dosage. Bauer LA, et al. **Clin Pharm** 1984 May–Jun;3(3):288–90
Evaluation of the Chiou method for determining theophylline dosages. Johnson MH, et al. **Clin Pharm** 1984 Mar–Apr; 3(2):174–8
An in vivo single- and multiple-dose study of several marketed brands of conventional and controlled-release theophylline. Kotzan JA, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):147–53
Individualizing theophylline dosage: evaluation of a single-point maintenance dose prediction method. Wilkens JH, et al. **Eur J Clin Pharmacol** 1984;26(4):491–8
Treatment of acute asthma in children with rectal administration of aminophylline solution. Pedersen S, et al. **Eur J Respir Dis** 1984 Jul;65(5):354–61
Long-term treatment of children with sustained-release theophylline. Pedersen S, et al. **Eur J Respir Dis** 1983 Nov; 64(8):564–70
Simultaneous treatment with terbutaline and theophylline. Billing B, et al. **Eur J Respir Dis [Suppl]** 1984;134:211–8
Bioavailability of Theodel, a new theophylline tablet, in humans. Rovei V, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug;21(8):425–30
Concomitant bitolterol mesylate aerosol and theophylline for asthma therapy, with 24 hr electrocardiographic monitoring. Kemp JP, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):32–43
Diurnal changes in lipolytic activity of isolated fat cells and their increased responsiveness to epinephrine and theophylline with meal feeding in rats. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):399–411
Dissolution studies of some sustained-release theophylline dosage forms. Simons KJ, et al. **J Pharm Sci** 1984 Jul; 73(7):939–42
Study of the effect of small dose of steroid to ephedrine—theophylline combination in chronic obstructive pulmonary disease. Kamat SR, et al. **J Postgrad Med** 1983 Jul;29(3):139–50
Prescribing habits for theophylline preparations. Wiffen JK, et al. **J R Soc Med** 1983 Nov;76(11):917–9
Further problems with theophylline [letter] Denning DW, et al. **Lancet** 1984 Jan 28;1(8370):223
Theophylline doses [letter] Paladino JA, et al. **Lancet** 1984 Jun 23;1(8391):1408
Absorption and sustained release theophylline [letter] Pedersen S. **Lancet** 1983 Oct 22;2(8356):966–7
Controlling theophylline therapy [letter] Whiting B. **Lancet** 1983 Oct 22;2(8356):966
Effect of food and tablet division on the absorption of a sustained-release preparation of theophylline. Shenfield GM, et al. **Med J Aust** 1984 Apr 14;140(8):477–9
BRL 22321. A compound with similarities to both disodium cromoglycate and theophylline. Smith H, et al. **Monogr Allergy** 1983;18:223–5
Controlled-release theophylline and proxyphylline in asthmatics: a comparative study. Mosbech H, et al. **Pharmatherapeutica** 1984;3(9):626–30
Alteration of pharmacokinetics after halving a slow-release theophylline tablet. Primrose WR, et al. **Pharmatherapeutica** 1983;3(6):429–32
Biopharmaceutical investigations of rectal suppositories. Part 1: Pharmaceutical and biological availability of theophylline. Minkov E, et al. **Pharmazie** 1984 Apr; 39(4):242–3
Tailoring theophylline doses [letter] Miller CA. **Postgrad Med** 1984 Aug;76(2):40
Theophylline therapy. Titrating dosage requirements. Uden DL, et al. **Postgrad Med** 1984 Jun;75(8):247–56
Drug intake and plasma concentrations in acute asthma. Boe J, et al. **Respiration** 1984;45(4):430–7
Sustained-release theophylline preparations. A comparative survey of 467 patients. Steenhoek A, et al. **Respiration** 1984; 45(1):1–15
[Galenic forms and availability of theophylline. I. Solubility characteristics of the primary material, and effect of compression] Duru C, et al. **Pharm Acta Helv** 1984; 59(3):81–6 (Fre)
[Sustained-action oral theophylline in the asthmatic child. Clinical, pharmacokinetic and respiratory function studies] Baculard A, et al. **Rev Fr Mal Respir** 1983;11(6):833–46 (Eng. Abstr.) (Fre)
[Comparative bioavailability of 2 oral theophylline sustained-release preparations] Tritthart W, et al. **Arzneimittelforsch** 1983;33(11):1603–6 (Eng. Abstr.) (Ger)
[Oral theophylline therapy for dyspnea] Branick M, et al. **Fortschr Med** 1984 Apr 5;102(13):379–82 (Eng. Abstr.) (Ger)
[Intravenous theophylline therapy. Effect of solubilizers on the incidence of adverse local effects in the area of infusion?] Staib AH, et al. **Fortschr Med** 1984 Jun 21; 102(23):643–6 (Eng. Abstr.) (Ger)
[Treatment of chronic obstructive respiratory disease with a new purified theophylline preparation in delayed-action form] Kaik G. **Wien Med Wochenschr** 1984 Apr 15; 134(7):163–9 (Eng. Abstr.) (Ger)
[The use of sustained release theophylline preparations in chronic bronchospastic diseases] Nir I. **Harefuah** 1984 Mar 1;106(5):235–6 (Heb)
[Use of monitoring theophylline in therapeutic indications of chronic bronchopneumopathies] Marzo C, et al. **Arch Monaldi** 1983 Jul–Aug;38(4):141–56 (Eng. Abstr.) (Ita)
[The use of oral water-alcohol solutions of theophylline and salbutamol in the elderly: evaluation of blood theophylline after single and multiple doses] Guggino G, et al. **G Clin Med** 1983 May–Jun;64(5–6):209–15 (Eng. Abstr.) (Ita)
[The effect of theophylline in slow-release or regular preparations in chronic obstructive lung disease. A double-blind study comparing Nuelin Depot, Nuelin and placebo] Aamodt T, et al. **Tidsskr Nor Laegeforen** 1983 Jun 20;103(17–18):1397–9 (Eng. Abstr.) (Nor)

ADVERSE EFFECTS

The tolerability of a new oral controlled release theophylline preparation in patients with obstructive airways diseases. Nolte D, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:18–21
Quantitative gastroesophageal reflux and pulmonary function in asthmatic children and normal adults receiving placebo, theophylline, and metaproterenol sulfate therapy. Berquist WE, et al. **J Allergy Clin Immunol** 1984 Feb;73(2):253–8
Gynecomastia associated with theophylline. Dardick KR. **J Fam Pract** 1984 Jan;18(1):141–2
Behavioural problems in children taking theophylline [letter] **Lancet** 1984 Apr 28;1(8383):958
Learning and behaviour problems associated with theophylline therapy [letter] Furukawa CT, et al. **Lancet** 1984 Mar 17;1(8377):621
Status epilepticus as a complication of concurrent electroconvulsive and theophylline therapy. Peters SG, et al. **Mayo Clin Proc** 1984 Aug;59(8):568–70
Sustained-release theophyllines. **Med Lett Drugs Ther** 1984 Jan 6;26(652):1–3
Esophageal ulceration associated with oral theophylline [letter] Enzenauer RW, et al. **N Engl J Med** 1984 Jan 26; 310(4):261
Interaction of theophylline with erythromycin base in a patient with seizure activity. Parish RA, et al. **Pediatrics** 1983 Dec;72(6):828–30
[The undesirable and the possible...and theophylline therapy] Pedersen JT. **Ugeskr Laeger** 1984 Jan 23;146(4):287–8 (Dan)
[Gastric stimulus response: Euphylline, theophylline, ethylenediamine and Riopan: gastric transmural potential difference (GPD)] Bruhn R, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):581–3 (Eng. Abstr.) (Ger)

ANALOGS & DERIVATIVES

Effects of 3-isobutyl-1-methylxanthine on secretory response, cAMP accumulation and DNA synthesis of islets from postnatal and adult Wistar rats. Ziegler B, et al. **Acta Biol Med Ger** 1982;41(12):1171–7
The bilateral effect of theophylline on immune response mechanisms. Gillissen G. **Allergol Immunopathol (Madr)** 1983 Sep–Oct;11(5):321–7
Effects of inhibitors of cyclic nucleotide phosphodiesterase on actions of cholecystokinin, bombesin, and carbachol on pancreatic acini. Gardner JD, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):G676–80
In vitro regulation of human monocyte insulin receptors by

insulin and 1-methyl-3-isobutylxanthine. Whitson RH, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):E494-501

Simultaneous monitoring of both phases in the solvent extraction/flow injection analysis of Dramamine tablets. Fossey L, et al. **Anal Chem** 1983 Oct;55(12):1882-5

Effect of the new theophylline derivative on leukocytes migration in vitro. Mirecka J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(3):357-64

Overadditive synergism between theophylline, diprophylline and proxyphylline in tracheal smooth muscle relaxation. Kukovetz WR, et al. **Arzneimittelforsch** 1983;33(10):1450-4

Effects of an adenosine-receptor antagonist on insulin-resistance in soleus muscle from obese Zucker rats. Challis RA, et al. **Biochem J** 1984 Aug 1;221(3):915-7

Inhibition of prostacyclin synthesis in endothelial cells by methylisobutylxanthine is not mediated through elevated cAMP level. Hong SL. **Biochim Biophys Acta** 1983 Dec 20;754(3):258-63

The effects of 1-methyl-3-isobutylxanthine on insulin-sensitive 2-deoxyglucose transport. Weringa T, et al. **Biochim Biophys Acta** 1984 Mar 23;803(3):123-8

The duration of protection from exercise-induced asthma by inhaled salbutamol, and a comparison with inhaled reproterol. Higgs CM, et al. **Br J Dis Chest** 1983 Jul; 77(3):262-9

Theophylline compounds in patients with reversible airways obstruction. Vernon DR, et al. **Clin Allergy** 1984 Jan; 14(1):69-73

Methylxanthines stimulate calcium transport and inhibit cyclic nucleotide phosphodiesterases in abalone sperm. Kopf GS, et al. **Dev Biol** 1983 Sep;99(1):115-20

Glucose stimulation of beta-cell DNA replication in the intact rat and in pancreatic islets in suspension culture. Effects of alpha-ketoisocaproic acid, dibutyryl cyclic AMP, and 3-isobutyl-1-methylxanthine in the in vitro system. Logothetopoulos J, et al. **Diabetes** 1983 Dec; 32(12):1172-6

Cyclic adenosine monophosphate and ovarian follicular fluid act synergistically to inhibit mouse oocyte maturation. Downs SM, et al. **Endocrinology** 1984 Feb;114(2):418-27

Interactions of a phosphodiesterase inhibitor, 3-isobutyl-1-methyl xanthine, with prostaglandin E2, follicle-stimulating hormone, luteinizing hormone, and dibutyryl cyclic 3',5'-adenosine monophosphate (cAMP) in cAMP and steroid production by neonatal rat ovaries in vitro. Reddoch RB, et al. **Endocrinology** 1984 Jul; 115(1):11-8

The disposition of inhaled lysine theophylline in volunteers. Jackson SH, et al. **Eur J Clin Pharmacol** 1984;26(5):635-7

Pharmacokinetics and bioavailability of three dyphylline preparations. Stablein JJ, et al. **Eur J Clin Pharmacol** 1983; 25(2):281-3

The fate of drotaverine-acephyllinate in rat and man. I. Absorption, distribution and excretion in the rat. Szatmári I, et al. **Eur J Drug Metab Pharmacokinet** 1984 Jan-Mar; 9(1):11-6

The fate of drotaverine-acephyllinate in rat and man. II. Human pharmacokinetics of drotaverine-14C-acephyllinate. Vargay Z, et al. **Eur J Drug Metab Pharmacokinet** 1984 Jan-Mar;9(1):17-29

A comparative trial of choline theophyllinate and controlled release aminophylline in chronic childhood asthma. Helms P, et al. **Eur J Pediatr** 1983 Dec;141(2):89-91

Effects of analogues of adenosine and methyl xanthines on insulin sensitivity in soleus muscle of the rat. Budohoski L, et al. **FEBS Lett** 1984 Feb 13;167(1):1-4

Effect of therapeutic agents on acute ocular toxicity of methyl alcohol (an experimental study). Khosla PK, et al. **Indian J Ophthalmol** 1983 Sep;31(5):535-7

Action of 3-isobutyl-1-methylxanthine and prostaglandins D2 and E1 on histamine release from rat and guinea pig mast cells. Ennis M, et al. **Int Arch Allergy Appl Immunol** 1983;72(4):289-93

The regulation of glucose transport by cAMP stimulators via three different mechanisms in rat and human adipocytes. Kashiwagi A, et al. **J Biol Chem** 1983 Nov 25; 258(22):13685-92

High-performance liquid chromatographic method for the determination of bamifylline and its three metabolites in human plasma. Nicot G, et al. **J Chromatogr** 1983 Oct 14; 277:239-49

Simultaneous determination of diprophylline, proxyphylline and theophylline in serum by reversed-phase high-performance liquid chromatography. Wenk M, et al. **J Chromatogr** 1983 Sep 9;276(2):341-8

Dyphylline versus theophylline: a double-blind comparative evaluation. Furukawa CT, et al. **J Clin Pharmacol** 1983 Oct;23(10):414-8

Neuropharmacology of 3-isobutylmethylxanthine: effects on central noradrenergic systems in vivo. Galloway MP, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):1-8

The effect of phosphodiesterase inhibitors on the electrical activity of toad rods. Capovilla M, et al. **J Physiol (Lond)** 1983 Oct;343:277-94

Absence of bronchodilatory effect from etamiphylline [letter] Addis GJ. **Lancet** 1984 May 12;1(8385):1083

Reproterol for refractory heart failure [letter] Pretolani E, et al. **Lancet** 1984 Jan 21;1(8369):170

Poor bronchodilator effect of oral etamiphylline in asthmatic children [letter] Vazquez C, et al. **Lancet** 1984 Apr 21; 1(8382):914

Comparison of 3-isobutyl-1-methylxanthine-induced accumulation of putrescine in rat pancreas and liver. Danzin C, et al. **Life Sci** 1983 Nov 28;33(22):2173-8

Forskolin and phosphodiesterase inhibitors stimulate rat granulosa cell differentiation. Welsh TH Jr, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):51-60

Behavioral interaction of adenosine and methylxanthines on central purinergic systems. Coffin VL, et al. **Neurosci Lett** 1984 Jun 15;47(2):91-8

Dissolution studies of some regular and sustained-release dyphylline dosage forms. Simons KJ, et al. **Pharm Acta Helv** 1984;59(5-6):145-8

Comparative effects of RX 781094, mianserin, yohimbine, rauwolscine and prazosin in reversing clonidine inhibition of MIX-stimulated lipolysis in hamster isolated white fat cells. Tan S, et al. **Pharmacol Res Commun** 1984 May; 16(5):461-6

Biopharmaceutical aspects of Depogen. Szentmiklósi P, et al. **Pharmazie** 1983 Sep;38(9):611-3

Protective effect of choline theophyllinate on histamine, acetylcholine, and propranolol-induced airflow obstruction. Koëter GH, et al. **Respiration** 1984; 45(2):139-46

[Therapeutic effect of bronchospasmin in bronchial asthma patients] Kosturkov G, et al. **Vutr Boles** 1983;22(4):46-9 **(Bul)**

[Technique for the assay of bamifylline and some of its metabolites in plasma by high-performance liquid chromatography] Fourtillan JB, et al. **Ann Pharm Fr** 1983; 41(1):37-43 (Eng. Abstr.) **(Fre)**

[Detection and identification of a new metabolite of fenethylline] Goenechea S, et al. **Arch Kriminol** 1984 Mar-Apr;173(3-4):7-102 (Eng. Abstr.) **(Ger)**

[New biologically active theophylline derivatives. Synthesis and pharmacologic properties of flufylline and fluprofylline] Thiele K, et al. **Arzneimittelforsch** 1984; 34(1):1-4 (Eng. Abstr.) **(Ger)**

[Stability of oxyethyltheophylline solutions for injection] Pohloudek-Fabini R, et al. **Pharmazie** 1984 Jan;39(1):24-6 (Eng. Abstr.) **(Ger)**

[1-second value and oscillatory airway resistance in the evaluation of the effectiveness of beta-adrenergic agents under general practice conditions] Kropp R, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1178-83 (Eng. Abstr.) **(Ger)**

[Effect of non-prescription soporific on the sleep polygram of healthy volunteers] Spiegel R, et al. **Schweiz Rundsch Med Prax** 1984 Feb 7;73(6):169-73 (Eng. Abstr.) **(Ger)**

[Possibilities for optimizing therapy with theophylline preparations. III. Ventilatory effect and pharmacokinetics of 'new' Pulmophyllin] Kandt D, et al. **Z Erkr Atmungsorgane** 1984;162(1):18-25 (Eng. Abstr.) **(Ger)**

[Modification of pathologic fatty acid patterns in old age by combined clofibrinic and nicotinic acid treatment] Reuter W. **ZFA** 1983 Sep-Oct;38(5):383-8 (Eng. Abstr.) **(Ger)**

[Effect of a 3-month-interval running exercise in combination with vasodilative therapy on microcirculation of the lower leg in peripheral arterial circulation disorders (stage I and II)] Siewert H, et al. **ZFA** 1983 Sep-Oct; 38(5):377-81 (Eng. Abstr.) **(Ger)**

[Diprophyllinum prolongatum (Polfa, Cracow) in the treatment of arteriosclerosis obliterans of the lower limbs] Kostka-Trąbka E, et al. **Przegl Lek** 1983;40(7):563-6 (Eng. Abstr.) **(Pol)**

[Pharmacological aspects of water-soluble derivatives of theophylline] Dănilă G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct-Dec;87(4):613-7 (Eng. Abstr.) **(Rum)**

[Decrease in the lipid content of human atherosclerotic aorta cells as affected by compounds increasing the intracellular level of cyclic AMP] Tertov VV, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):157-8 (Eng. Abstr.) **(Rus)**

[Effect of pentoxyfylline and xanthinol nicotinate on the overall blood pressure and tonus of cerebral and peripheral vessels] Gaevyi MD, et al. **Farmakol Toksikol** 1984 Jan-Feb;47(1):53-7 (Eng. Abstr.) **(Rus)**

[Use of the Complamin test for diagnosing stenosing atherosclerosis in the coronary arteries] Polonetskiĭ LZ, et al. **Kardiologiia** 1983 Oct;23(10):57-60 (Eng. Abstr.) **(Rus)**

[Correction of the disordered rheological properties of the blood in patients with obstructive jaundice] Kuznetsov NA, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):96-100 (Eng. Abstr.) **(Rus)**

[Effect of isobutylmethylxanthine on the adenylate cyclase system of the myocardium and skeletal muscles of the rat during the recovery period following physical loading] Kalinskiĭ MI, et al. **Ukr Biokhim Zh** 1984 Mar-Apr; 56(2):153-7 (Eng. Abstr.) **(Rus)**

[Monitoring of plasma theophylline levels in asthmatic patients treated with oxtriphylline] Morell F, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):89-94 **(Spa)**

ANALYSIS

Determination of caffeine, theophylline and theobromine in serum and saliva using high-performance liquid chromatography. Scott NR, et al. **Ann Clin Biochem** 1984 Mar;21 (Pt 2):120-4

High-performance liquid chromatographic determination of theobromine, theophylline and caffeine in food products. Terada H, et al. **J Chromatogr** 1984 May 18;291:453-9

Physicochemical and in-vitro biological studies on the possible association between theophylline and ethylenediamine in solution. Cotgreave IA, et al. **J Pharm Pharmacol** 1983 Dec;35(12):774-9

[Gas chromatography determination of atropine, theophylline, phenobarbital and aminophenazone in tablets] Majlát P. **Pharmazie** 1984 May;39(5):325-6 (Eng. Abstr.) **(Ger)**

BLOOD

Evaluation of the Abbott TDx for the stat measurement of phenobarbital, phenytoin, carbamazepine, and theophylline. Loomis KF, et al. **Am J Clin Pathol** 1983 Nov;80(5):686-91

Interference of third-generation cephalosporins with theophylline assay by high-performance liquid chromatography. Gannon RH, et al. **Am J Hosp Pharm** 1984 Jun;41(6):1185-6

Theophylline clearance. Lack of effect of influenza vaccination and ascorbic acid. Bukowskyj M, et al. **Am Rev Respir Dis** 1984 May;129(5):672-5

Increased serum theophylline clearance with orally administered activated charcoal [letter] Byatt CM, et al. **Am Rev Respir Dis** 1984 Jul;130(1):147-8

Influence of hypercapnia and/or hypoxemia and metabolic acidosis on theophylline kinetics in the conscious rabbit. Letarte L, et al. **Am Rev Respir Dis** 1984 May;129(5):762-6

Use of pharmacokinetic profile in evaluating patients with repeatedly low theophylline concentrations. Georgitis JW, et al. **Ann Allergy** 1984 Sep;53(3):231-5

Prediction of serum theophylline levels. Elenbaas RM, et al. **Ann Emerg Med** 1984 Feb;13(2):92-6

Elevated theophylline blood levels from institution of nifedipine therapy [letter] Parrillo SJ, et al. **Ann Emerg Med** 1984 Mar;13(3):216-7

Antacids and theophylline-ranitidine interaction [letter] Fernandes E, et al. **Ann Intern Med** 1984 Aug;101(2):279

Once a day theophylline; serum concentrations. Nerminathan V, et al. **Arch Dis Child** 1984 Aug;59(8):762-5

Plasma concentrations of theophylline and quinine in healthy volunteers following oral administration of a fixed drug combination. Dieterich HA, et al. **Arzneimittelforsch** 1984; 34(4):520-2

Is circadian variation in theophylline trough serum concentrations determined by time of dosing? Jackson SH, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):777-9

Do saliva concentrations predict plasma unbound theophylline concentrations? A problem re-examined. Knott C, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):9-14

Circadian variation in plasma theophylline concentrations during maintenance therapy with a sustained-release preparation in patients with obstructive airways disease. Taylor DR, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):27-30

Investigation of diurnal changes in the disposition of theophylline. Taylor DR, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):413-6

The effect of diet upon serum concentrations of theophylline. Thompson PJ, et al. **Br J Clin Pharmacol** 1983 Sep; 16(3):267-70

Is circadian variation in theophylline trough levels determined by time of dosing? Jackson SH, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:7-9

Doses of aminophylline given intravenously in casualty department and resulting serum theophylline concentrations. Munro CS, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):354-5

Effect of inhaled atropine or metaproterenol in patients with chronic airway obstruction and therapeutic serum theophylline levels. Passamonte PM, et al. **Chest** 1984 May; 85(5):610-5

A fluorescent immunoassay for theophylline: description and comparison to enzyme immunoassay, liquid chromatography and radioimmunoassay. Castro A, et al. **Clin Biochem** 1983 Oct;16(5):281-4

Evaluation of a new Du Pont aca test pack for theophylline [letter] Coyne RV, et al. **Clin Chem** 1984 May;30(5):819-20

Discrepant results for determination of theophylline in serum from a patient with renal failure [letter] Elin RJ, et al. **Clin Chem** 1983 Oct;29(10):1870

Ligand displacement immunoassay: a novel enzyme immunoassay demonstrated for measuring theophylline in serum. Hinds JA, et al. **Clin Chem** 1984 Jul;30(7):1174-8

Particle-enhanced turbidimetric inhibition immunoassay of theophylline adapted to the Cobas-Bio centrifugal analyzer [letter] Liedtke RJ. **Clin Chem** 1984 Jul;30(7):1274-5

Theophylline concentrations may be falsely high in serum of uremic patients [letter] Nelson KM, et al. **Clin Chem** 1983 Dec;29(12):2125-6

Concurrent measurement of theophylline and caffeine in neonates by an interference-free liquid-chromatographic method. Ou CN, et al. **Clin Chem** 1983 Nov;29(11):1934-6

Competitive nephelometric inhibition immunoassay of theophylline with use of monoclonal reagents: comparison with fluorescence polarization and EMIT procedures [letter] Yatscoff RW, et al. **Clin Chem** 1983 Oct; 29(10):1857-8

The validation of a fluoroimmunoassay for the determination of theophylline concentration in dried blood spots suitable for domiciliary therapeutic drug monitoring. Coombes EJ, et al. **Clin Chim Acta** 1984 Jan 31;136(2-3):187-95

Increased serum theophylline concentrations secondary to

oral verapamil. Burnakis TG, et al. **Clin Pharm** 1983 Sep-Oct;2(5):458-61
Effect of isoproterenol on measured theophylline levels. O'Rourke PP, et al. **Crit Care Med** 1984 Apr;12(4):373-5
Rapid adjustment of theophylline: a kinetic model. Postelnick MJ, et al. **Drug Intell Clin Pharm** 1984 Jun;18(6):519-22
Serum theophylline during acute asthmatic attacks. Tønnesen J. **Int Arch Allergy Appl Immunol** 1984;73(3):280-2
Therapeutic drug monitoring using high-speed liquid chromatography and rapid sample preparation: an assay for serum theophylline. Bock JL, et al. **J Chromatogr** 1984 Jun 8;308:354-8
Determination of theophylline binding to human serum proteins by isotachophoresis. Reijenga JC, et al. **J Chromatogr** 1984 Apr 6;287(2):365-70
Simultaneous determination of diprophylline, proxyphylline and theophylline in serum by reversed-phase high-performance liquid chromatography. Wenk M, et al. **J Chromatogr** 1983 Sep 9;276(2):341-8
An audit of therapeutic drug monitoring procedures—use of theophylline assay services. D'Souza CA, et al. **J Clin Hosp Pharm** 1984 Mar;9(1):53-9
Effects of hemodialysis on theophylline kinetics. Anderson JR, et al. **J Clin Pharmacol** 1983 Oct;23(10):428-32
Adaptive control of theophylline therapy: importance of blood sampling times. D'Argenio DZ, et al. **J Pharmacokinet Biopharm** 1983 Oct;11(5):547-59
Theophylline elimination in congestive heart failure. Kuntz HD, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1105-6
Measuring theophylline on dried blood spots [letter] Batstone GF, et al. **Lancet** 1984 Jul 14;2(8394):99
Quinolones and raised plasma concentrations of theophylline [letter] Maesen FP, et al. **Lancet** 1984 Sep 1;2(8401):530
Enoxacin raises plasma theophylline concentrations [letter] Wijnands WJ, et al. **Lancet** 1984 Jul 14;2(8394):108-9
Cimetidine-theophylline interaction in patients with chronic obstructive airways disease. Roberts RK, et al. **Med J Aust** 1984 Mar 3;140(5):279-80
Theophylline--plasma concentration related to bronchodilatation and side effects. Dahlqvist R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:911-3
Plasma theophylline levels in asthmatic children in Singapore. A preliminary study. Lee HS, et al. **Singapore Med J** 1983 Oct;24(5):276-9
Measurement of serum theophylline concentrations using a modified Ames TDA system. Davis SJ, et al. **Ther Drug Monit** 1983;5(4):479-84
Theophylline: constant-rate infusion predictions. Mesquita CA, et al. **Ther Drug Monit** 1984;6(2):157-63
Modification of the theophylline radioimmunoassay. Reed RC, et al. **Ther Drug Monit** 1984;6(1):121-4
Adaptation of microvolume EMIT assays for theophylline, phenobarbital, phenytoin, carbamazepine, primidone, ethosuximide, and gentamicin to a CentrifiChem chemistry analyzer. Studts D, et al. **Ther Drug Monit** 1983;5(3):335-40
Accuracy and precision of gas-liquid chromatographic, high-pressure liquid chromatographic, and enzyme immunoassay techniques for the measurement of theophylline concentrations in serum: a comparison based on external quality assurance measurements. Wilson JF, et al. **Ther Drug Monit** 1984;6(2):243-50
Free and total plasma theophylline concentrations in chronic airflow obstruction. Ebden P, et al. **Thorax** 1984 May; 39(5):352-5
Outpatient theophylline determinations. Knodel AR, et al. **West J Med** 1984 May;140(5):741-4
[Pharmacokinetics of theophylline in infants and toddlers with respiratory diseases] Mrzena B, et al. **Cesk Pediatr** 1983 Aug;38(8):493-5 (Eng. Abstr.) (Cze)
[S-theophylline levels in patients on theophylline maintenance therapy] Pedersen C, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):257-9 (Eng. Abstr.) (Dan)
[Routine determination of serum digoxin and theophylline levels; no superfluous luxury] Derkx FH, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4;128(5):195-200 (Eng. Abstr.) (Dut)
[Decrease of the effect of theophylline by the rectal route in an asthmatic patient after previous administration of a suppository of Titanoreine (letter)] Ganansia R, et al. **Therapie** 1984 Jan-Feb;39(1):50-2 (Fre)
[Hemodynamics of pulmonary circulation in patients with chronic obstructive lung disease and pulmonary hypertension as dependent on the theophylline concentration of the serum] Grützmacher I, et al. **Prax Klin Pneumol** 1984 Jan;38(1):19-25 (Eng. Abstr.) (Ger)
[Possibilities for optimizing therapy with theophylline preparations. I. On the pharmacokinetics of theophylline preparations] Wiesner B, et al. **Z Erkr Atmungsorgane** 1984; 162(1):3-10 (Eng. Abstr.) (Ger)
[Effect of oral aminophylline on the result of the immediate intradermal skin test in asthmatic children—its relation to the serum theophylline level] Watanabe K. **Arerugi** 1983 Sep;32(9):960-9 (Eng. Abstr.) (Jpn)
[Clinical study of theophyllinemia in patients with obstructive bronchial syndrome] Vasiliev CB, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr-Jun;32(2):169-80 (Eng. Abstr.) (Rum)
[Determination of theophyllinemia with the high-performance liquid chromatographic method] Vasiliev R, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr-Jun; 32(2):181-6 (Eng. Abstr.) (Rum)
[Monitoring of plasma theophylline levels in asthmatic patients treated with oxtriphylline] Morell F, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):89-94 (Spa)
[Monitoring of plasma levels of theophylline] Cuena Boy R, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):450-2 (Spa)
[Theophylline: plasma levels in asthma patients treated with choline theophyllinate every 8 hours] Morell F, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):746-8 (Eng. Abstr.) (Spa)
[Individualized dosage of theophylline for ambulatory asthmatic patients] Otero MJ, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):415-7 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

[Significance of thymalin, dekaris and theophylline tests in evaluating T-lymphocytes] Uspenskiĭ VM, et al. **Lab Delo** 1984;(6):332-6 (Eng. Abstr.) (Rus)

METABOLISM

Increased serum theophylline clearance with orally administered activated charcoal. Mahutte CK, et al. **Am Rev Respir Dis** 1983 Nov;128(5):820-2
Increased theophylline clearance in a patient with hyperthyroidism. Bauman JH, et al. **Ann Allergy** 1984 Feb; 52(2):94-6
Theophylline reassessed. Bukowskyj M, et al. **Ann Intern Med** 1984 Jul;101(1):63-73 (102 ref.)
Ranitidine and theophylline [letter] Dobbs JH, et al. **Ann Intern Med** 1984 May;100(5):769
Possible interaction between vidarabine and theophylline [letter] Gannon R, et al. **Ann Intern Med** 1984 Jul; 101(1):148-9
Inhibition of theophylline clearance by cimetidine but not ranitidine. Powell JR, et al. **Arch Intern Med** 1984 Mar; 144(3):484-6
Effect of using an incorrect elimination rate constant in application of the Wagner-Nelson method to theophylline data in cases of zero order absorption. Wagner JG. **Biopharm Drug Dispos** 1984 Jan-Mar;5(1):75-83
Effects of tobacco smoking and oral contraceptive use on theophylline disposition. Gardner MJ, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):271-80
Depression of theophylline elimination following BCG vaccination. Gray JD, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):735-7
Binding of theophylline and its metabolites to human plasma proteins [letter] Gundert-Remy U, et al. **Br J Clin Pharmacol** 1983 Nov;16(5):573-4
Prediction of response to theophylline in chronic bronchitis. Whiting B, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):1-8
Effect of environmental temperature on the elimination of theophylline. Matsuyama K, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2026-9
Effect of low-dose cimetidine on theophylline metabolism. DeAngelis C, et al. **Clin Pharm** 1983 Nov-Dec;2(6):563-7
Steady-state theophylline pharmacokinetics during and after short-term cimetidine administration. Mulkey PM, et al. **Clin Pharm** 1983 Sep-Oct;2(5):439-41
Effect of metronidazole on theophylline pharmacokinetics. Reitberg DP, et al. **Clin Pharm** 1983 Sep-Oct;2(5):441-4
A clinical and pharmacokinetic basis for the selection and use of slow release theophylline products. Hendeles L, et al. **Clin Pharmacokinet** 1984 Mar-Apr;9(2):95-135 (123 ref.)
Pharmacokinetic drug interactions with theophylline. Jonkman JH, et al. **Clin Pharmacokinet** 1984 Jul-Aug; 9(4):309-34 (149 ref.)
Theophylline metabolism in relation to antipyrine, debrisoquine, and sparteine metabolism. Dahlqvist R, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):815-21
Influence of phenytoin on theophylline clearance. Miller M, et al. **Clin Pharmacol Ther** 1984 May;35(5):666-9
Theophylline metabolism: variation and genetics. Miller M, et al. **Clin Pharmacol Ther** 1984 Feb;35(2):170-82
Effects of size and frequency of oral doses of charcoal on theophylline clearance. Park GD, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):663-6
Theophylline. Ellis EF. **Clin Rev Allergy** 1983 Mar;1(1):73-85 (60 ref.)
Theophylline metabolism in preterm neonates during the first weeks of life. Baird-Lambert J, et al. **Dev Pharmacol Ther** 1984;7(4):239-44
Predicting slow-release theophylline kinetic values [letter] Bauman JH, et al. **Drug Intell Clin Pharm** 1984 Mar; 18(3):255
Nonlinear theophylline kinetics [letter] Dunn G, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):155
Bioavailability and diurnal variation in absorption of sustained release theophylline in asthmatic children. Coulthard KP, et al. **Eur J Clin Pharmacol** 1983; 25(5):667-72
Differential effects of cimetidine on theophylline metabolic pathways. Grygiel JJ, et al. **Eur J Clin Pharmacol** 1984; 26(3):335-40
Chronopharmacokinetics of theophylline after sustained release and intravenous administration to adults. Jonkman JH, et al. **Eur J Clin Pharmacol** 1984;26(2):215-22
Comparative pharmacokinetic analysis of a novel sustained-release dosage form of theophylline in humans. Raz I, et al. **Eur J Clin Pharmacol** 1984;26(3):401-3
Food does not effect in bioavailability of theophylline from Theolin Retard. Sips AP, et al. **Eur J Clin Pharmacol** 1984; 26(3):405-7
Non-linear kinetics of theophylline [editori ; Bogaert MG. **Eur J Respir Dis** 1984 Jan;65(1):1-3
Theo-24 absorption with meals. **FDA Drug Bull** 1984 Apr; 14(1):3
Pharmacokinetics of theophylline and the H2-antagonist drugs cimetidine and ranitidine. Dal Negro R, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):221-6
Comparison of aminophylline and theophylline sustained-release formulations by their bioavailability and steady-state serum levels. Steinijans VW, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Dec;21(12):624-30
Forty-eight-hour absorption pharmacokinetic profiles of two sustained-release theophylline preparations. Green LD, et al. **J Asthma** 1984;21(1):35-9
Membrane solubility parameter and in situ release of theophylline. Adjei A, et al. **J Pharm Sci** 1984 Jun; 73(6):742-5
Effect of pH on theophylline transfer across the everted rat jejunum. Perry DF, et al. **J Pharm Sci** 1984 Mar; 73(3):320-5
Theophylline blood-brain barrier transfer kinetics in dogs. Veng-Pedersen P, et al. **J Pharm Sci** 1983 Aug;72(8):951-3
Pharmacokinetics of a sustained-release theophylline preparation in healthy subjects. Goto M, et al. **J Pharmacobiodyn** 1983 Apr;6(4):225-31
Diffusion and flow transfer of theophylline across the blood-brain barrier: pharmacokinetic analysis. Karol MD, et al. **J Pharmacokinet Biopharm** 1983 Jun;11(3):273-87
Theophylline disposition in obese rats. Shum L, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):380-6
Medical grand rounds. Theophylline pharmacokinetics. Kossmann CE. **J Tenn Med Assoc** 1984 Apr;77(4):206-12
Theophylline concentrations and posture [letter] Warren J. **Lancet** 1983 Oct 8;2(8354):850
The rabbit as an experimental model for biopharmaceutical studies following rectal administration of theophylline. Van Aerde P, et al. **Pharmazie** 1984 Mar;39(3):171-2
Effect of exercise and environmental heat on theophylline kinetics. Schlaeffer F, et al. **Respiration** 1984;45(4):438-42
Absorption properties of two theophylline sustained-release products in smokers. Miller R, et al. **S Afr Med J** 1984 Jun 30;65(26):1045-8
Some infants receiving theophylline may have caffeine in serum. Nahata MC, et al. **Ther Drug Monit** 1983;5(3):269-70
Effect of rifampin on theophylline disposition. Straughn AB, et al. **Ther Drug Monit** 1984;6(2):153-6
Influenza vaccination and theophylline pharmacokinetics in patients with chronic obstructive lung disease. Stults BM, et al. **West J Med** 1983 Nov;139(5):651-4
[Pharmacokinetics of oral theophylline in asthmatic patients on long-term corticoid therapy] Albin H, et al. **Therapie** 1983 Jul-Aug;38(4):333-9 (Eng. Abstr.) (Fre)
[Theophylline and antibiotics. Absence of interaction with josamycin] Ruff F, et al. **Therapie** 1984 Jan-Feb;39(1):1-6 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Prolactin secretion from human prolactinomas perifused in vitro: effect of TRH, prostaglandin E1, theophylline, dopamine and dopamine receptor blockers. Chihara K, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):6-13
Assessment of cardiovascular effects to theophylline in premature newborns by means of serial echocardiography. Fesslová V, et al. **Acta Paediatr Scand** 1984 May; 73(3):404-5
Theophylline antagonizes cardiovascular responses to dipyridamole in man without affecting increases in plasma adenosine. Sollevi A, et al. **Acta Physiol Scand** 1984 Jun; 121(2):165-71
Effects on aggregation of human platelets of two xanthines and their interactions with adenosine. Vinge E, et al. **Acta Physiol Scand** 1984 Jan;120(1):117-21
Neonatal breathing control mediated via the central chemoreceptors. Wennergren G, et al. **Acta Physiol Scand** 1983;119(2):139-46
Theophylline precipitated alterations of lithium clearance. Perry PJ, et al. **Acta Psychiatr Scand** 1984 Jun;69(6):528-37
Theophylline inhibits platelet aggregation, prostaglandin and thromboxane production by a mechanism which is independent of cyclic AMP. Burns GB, et al. **Agents Actions** 1984 Jan;14(1):102-8
Effects of theophylline and cAMP on intestinal allosteric chloride transport in freshwater prawns. Ahearn GA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R196-202
cAMP-mediated effects of ouabain and theophylline on paracellular ion selectivity. Bakker R, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G213-7
Reduction of contraction-induced arteriolar vasodilation by adenosine deaminase or theophylline. Proctor KG. **Am J Physiol** 1984 Aug;247(2 Pt 2):H195-205
Antagonistic effect of theophylline on the adenosine-induced decreased in renin release. Spielman WS. **Am J Physiol** 1984 Aug;247(2 Pt 2):F246-51
Comparison of the effects of disodium ethylenediaminetetraacetate, theophylline, and deoxycholic acid on colonic ion transport and permeability. Argenzio RA, et al. **Am J Vet Res** 1983 Aug;44(8):1480-7
Adenosine-induced bronchoconstriction in asthma. Antagonism by inhaled theophylline. Cushley MJ, et al. **Am Rev Respir Dis** 1984 Mar;129(3):380-4
The effects of caffeine and theophylline on diaphragm

contractility. Supinski GS, et al. **Am Rev Respir Dis** 1984 Sep;130(3):429–33

Stimulation of the human spermatozoal fertilizing ability by dibutyryl 3',5'–CAMP and theophylline in vitro. Chan SY, et al. **Arch Androl** 1983 Aug;11(1):19–23

Effect of theophylline on the transport of tyrosine in cultured B–16 mouse melanoma cells. Saga K, et al. **Arch Dermatol Res** 1984;276(3):165–9

Interaction between methylxanthines and the benzodiazepine receptor. Weir RL, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):42–8

Overadditive synergism between theophylline, diprophylline and proxyphylline in tracheal smooth muscle relaxation. Kukovetz WR, et al. **Arzneimittelforsch** 1983;33(10):1450–4

Effect of theophylline administration on ketone bodies level in rat plasma and brain. Stefanovich V. **Arzneimittelforsch** 1983;33(7):958–9

Opposing actions of methylxanthines and dibutyryl cyclic AMP on 1,25 dihydroxyvitamin D3 production and calcium fluxes in isolated chick renal tubules. Taft JL, et al. **Biochem Biophys Res Commun** 1984 May 31; 121(1):355–63

Antiviral activity of lambda–, beta–, and gamma–interferons in the presence of theophylline: involvement of 2',5'–oligo(A) synthetase. Krispin TI, et al. **Biochem Int** 1984 Jan;8(1):159–64

2–Mercapto–1–(beta–4–pyridethyl) benzimidazole inhibition of basal and aldosterone–stimulated sodium transport but prolongation of the transient theophylline–induced stimulation in the toad bladder. Lahav M. **Biochem Pharmacol** 1983 Nov 15;32(22):3271–8

Theophylline–like properties of xanthine analogs. Levallois C, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2253–7

Effect of cAMP–elevating drugs on Ca2+ efflux and actin polymerization in peritoneal macrophages stimulated with N–formyl chemotactic peptide. Hamachi T, et al. **Biochim Biophys Acta** 1984 Jun 19;804(2):230–6

Involvement of cellular cyclic AMP in theophylline–induced sugar accumulation in chicken intestinal epithelial cells. Moretó M, et al. **Biochim Biophys Acta** 1984 Mar 28; 771(1):68–73

Spontaneous 'in vitro' variations of theophylline sensitivity in human peripheral blood lymphocytes. Ciboddo GF, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):190–4

The effect of posture on the sympathoadrenal response to theophylline infusion. Warren JB, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):405–11

Effects of dantrolene and methylxanthines on the sensory nerve terminal of the frog muscle spindle. Ito F, et al. **Brain Res** 1984 Mar 5;294(2):269–80

Effect of heat–stable enterotoxin of Escherichia coli and theophylline on ion transport in porcine small intestine. Argenzio RA, et al. **Can J Comp Med** 1984 Jan;48(1):14–22

Effect of theophylline and heat–stable enterotoxin of Escherichia coli on transcellular and paracellular ion movement across isolated porcine colon. Argenzio RA, et al. **Can J Physiol Pharmacol** 1983 Oct;61(10):1138–48

Nerve growth factor receptors of human tumors of neural crest origin: characterization of binding site heterogeneity and alteration by theophylline. Riopelle RJ, et al. **Cancer Res** 1983 Nov;43(11):5184–9

Theophylline does not reverse DNA replicon initiation inhibition in human cells resistant to alkylating agent–theophylline killing synergism. Ducore JM, et al. **Chem Biol Interact** 1984 Sep 15;51(2):191–200

Protein–energy malnutrition alters theophylline effect on DNA synthesis in neonatal rat brain in vitro. Quinby GE Jr, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun; 11(3):327–31

Potential pharmacokinetic interaction between theophylline and prednisone. Anderson JL, et al. **Clin Pharm** 1984 Mar–Apr;3(2):187–9

Methylxanthines stimulate calcium transport and inhibit cyclic nucleotide phosphodiesterases in abalone sperm. Kopf GS, et al. **Dev Biol** 1983 Sep;99(1):115–20

Age–related differential suppression of mitogenic responsiveness in murine splenocytes exposed in vitro to theophylline. Shipman PM, et al. **Dev Comp Immunol** 1984 Spring;8(2):477–82

Effect of theophylline on glucagon and secretin stimulated bile flow. Kaminski DL, et al. **Dig Dis Sci** 1984 Mar; 29(3):261–6

Effect of apamin and theophylline on adenosine–5'–triphosphate–induced response of the guinea pig gallbladder. Ishikawa Y, et al. **Digestion** 1983; 27(4):234–8

Theophylline antagonizes diazepam–induced psychomotor impairment. Henauer SA, et al. **Eur J Clin Pharmacol** 1983; 25(6):743–7

Lack of clinically important interaction between erythromycin and theophylline. Hildebrandt R, et al. **Eur J Clin Pharmacol** 1984;26(4):485–9

Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Koëter GH, et al. **Eur J Clin Pharmacol** 1984;26(4):435–41

Effects of theophylline on adenosine–induced respiratory depression in the preterm rabbit. Hedner T, et al. **Eur J Respir Dis** 1984 Feb;65(2):153–6

Regulation of 2',5'–oligo(A) synthetase activity in theophylline–treated NIH 3T3 cells. Itkes AV, et al. **FEBS Lett** 1984 Jan 23;166(1):199–201

Characteristics of human mononuclear cell fractions separated on the basis of theophylline sensitivity of E rosette forming ability. Divakaran S, et al. **Immunobiology** 1983 Dec;165(5):500–7

Effect of colchicine & methylated purines on UV–induced mitotic gene conversion in Saccharomyces cerevisiae. Vashishat RK, et al. **Indian J Exp Biol** 1983 Jul; 21(7):367–70

Theophylline–sensitive and theophylline–resistant E–rosette–forming cells in leprosy [letter] Dang DT, et al. **Int J Lepr** 1984 Jun;52(2):251–3

Macrophage mediation of the inhibitory effects of elevated intracellular levels of adenosine–3':5' cyclic monophosphate (cAMP) on macrophage–Trypanosoma cruzi association. Wirth JJ, et al. **Int J Parasitol** 1984 Aug; 14(4):401–4

Association of morphological differentiation with enhanced surface antigen expression and susceptibility to natural killer cell lysis in theophylline–treated human melanoma cells. Liao SK, et al. **J Biol Response Mod** 1983;2(3):280–92

Positive inotropic and chronotropic effects and coronary vasodilation in vitro by two antiasthmatic xanthines with different abilities to antagonize adenosine. Persson CG, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):778–85

Use of the perifusion technique on rat thyroid fragments in the study of thyroid hormone secretion: short–term effects of thyrotrophin, theophylline and glucagon. Attali JR, et al. **J Endocrinol** 1984 Jul;102(1):43–8

Rat fibroblast–derived interferon: production in serum–free medium and enhancement by theophylline. Abreu SL, et al. **J Interferon Res** 1984 Spring;4(2):161–6

Dissociation of effects of xanthine analogs on renal prostaglandins and renal excretory function in the awake rat. Baer PG, et al. **J Pharmacol Exp Ther** 1983 Dec; 227(3):600–4

Effects of theophylline and dibutyryl cyclic adenosine monophosphate on the membrane potential of mouse pancreatic beta–cells. Henquin JC, et al. **J Physiol (Lond)** 1984 Jun;351:595–612

Effects of dibutyryl cyclic AMP and theophylline on biliary cholesterol secretion. Kortz WJ, et al. **J Surg Res** 1984 Jan;36(1):62–70

Reversal of simian virus 40 small–t–antigen–induced theophylline resistance. Rundell K, et al. **J Virol** 1984 Jan; 49(1):262–4

Enhanced natural killer sensitivity with concomitant clonal selection for cells bearing homogeneously staining regions in the human melanoma cell line MeWo upon induction of differentiation with theophylline. Haliotis T, et al. **JNCI** 1984 May;72(5):991–8

Comparison of the cardiovascular and biochemical profiles of a new positive inotropic drug, AR–L 115 BS, with those of theophylline. Morita T, et al. **Jpn Heart J** 1984 May; 25(3):447–60

Theophylline delays human sleep phase. Okudaira N, et al. **Life Sci** 1984 Mar 5;34(10):933–8

Caffeine and theophylline counteract diazepam effects in man. Mattila MJ, et al. **Med Biol** 1983;61(6):337–43

Effects of theophylline on insulin receptors and insulin action in the adipocyte. Joost HG, et al. **Mol Cell Biochem** 1983; 57(2):177–83

Effects of theophylline on diaphragmatic strength and fatigue in patients with chronic obstructive pulmonary disease. Murciano D, et al. **N Engl J Med** 1984 Aug 9;311(6):349–53

An adenosine agonist inhibits and a cyclic AMP analogue enhances the release of glutamate but not GABA from slices of rat dentate gyrus. Dolphin AC, et al. **Neurosci Lett** 1983 Dec 23;43(1):49–54

Adenosine analogues depress ventilation in rabbit neonates. Theophylline stimulation of respiration via adenosine receptors? Lagercrantz H, et al. **Pediatr Res** 1984 Apr; 18(4):387–90

Theophylline effects on cellular response in protein–energy malnourished neonatal rat brain. Quinby GE Jr, et al. **Pediatr Res** 1984 Jun;18(6):546–9

Essential role of sodium and chloride for theophylline–induced choleresis in the isolated perfused rat liver. Anwer MS, et al. **Proc Soc Exp Biol Med** 1984 May; 176(1):70–6

Impaired blood flow autoregulation in nonfiltering kidneys: effects of theophylline administration. Osborn JL, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):328–35

Effect of CO2 induced pH changes on the response of isolated guinea pig tracheas to theophylline. Elguindi AS, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):493–6

Nucleotide metabolism in spleen and peripheral blood lymphocytes during theophylline treatment. Ferrero ME, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul; 45(1):55–67

The ventilatory response to intravenous and ventriculo–cisternal theophylline. Wick JE, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):79–94

Negative inotropic effect of the combination of theophylline and ouabain in rabbit right ventricle: relation to elevated baseline tension. Zavecz JH. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):319–22

Mechanism of respiratory effects of methylxanthines. Eldridge FL, et al. **Respir Physiol** 1983 Aug;53(2):239–61

Conditions for augmentation of renin release by theophylline. Langård O, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):9–14

Behavioral sensitivity to purinergic drugs parallels ethanol sensitivity in selectively bred mice. Proctor WR, et al. **Science** 1984 May 4;224(4648):519–21

Effect of theophyllin and isoproterenol on cAMP level in melanotic and amelanotic hamster melanomas. Blagoeva PM, et al. **Tumori** 1983 Oct 31;69(5):391–4

[Theophylline and urinary elimination of lithium in the anesthetized dog] Danion JM, et al. **J Pharmacol** 1983 Jul–Sep;14(3):295–302 (Eng. Abstr.) (Fre)

[Pharmacology of ethylenediamine and its interaction with theophylline] Baccouche M, et al. **Prax Klin Pneumol** 1983 Aug;37(8):322–5 (Eng. Abstr.) (Ger)

[Inhibition of anti–IgE–stimulated histamine liberation from sensitized leukocytes of patients with allergic bronchial asthma treated with theophylline] Morr H, et al. **Prax Klin Pneumol** 1984 Apr;38(4):129–31 (Eng. Abstr.) (Ger)

[Biochemical and pharmacologic factors in the regulation of bronchial tone and their clinical significance] Schmutzler W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:695–9 (Eng. Abstr.) (Ger)

[Behavior of theophylline–sensitive T lymphocytes in viral A, B, non–A, non–B hepatitis. I. Methodological aspects] Angarano G, et al. **Boll Soc Ital Biol Sper** 1984 May 30; 60(5):949–53 (Eng. Abstr.) (Ita)

[Behavior of theophylline–sensitive T lymphocytes in viral A, B, non–A, non–B hepatitis. II. Application aspects] Angarano G, et al. **Boll Soc Ital Biol Sper** 1984 May 30; 60(5):955–60 (Eng. Abstr.) (Ita)

[Pharmacodynamic aspects of theophylline] Marmo E. **Clin Ter** 1983 Jul 31;106(2):87–94 (Eng. Abstr.) (Ita)

[Mechanism of increase in the serum uric acid level caused by theophylline] Morita Y, et al. **Arerugi** 1983 Mar; 32(3):173–7 (Eng. Abstr.) (Jpn)

[Effect of theophylline on the biophysical characteristics of transparietal electrolyte transport in the wall of the jejunum] Budanov NV. **Farmakol Toksikol** 1983 Nov–Dec; 46(6):57–9 (Eng. Abstr.) (Rus)

POISONING

Hemoperfusion in treatment of theophylline intoxication [letter] Garella S. **Am J Med** 1984 Aug;77(2):A105

Severe theophylline toxicity. Role of conservative measures, antiarrhythmic agents, and charcoal hemoperfusion. Greenberg A, et al. **Am J Med** 1984 May;76(5):854–60

Ranitidine and theophylline [letter] Fernandes E, et al. **Ann Intern Med** 1984 Mar;100(3):459

Metabolic abnormalities associated with intentional theophylline overdose. Hall KW, et al. **Ann Intern Med** 1984 Oct;101(4):457–62

Oral theophylline intoxication. A serious error of patient and physician understanding. Mountain RD, et al. **Arch Intern Med** 1984 Apr;144(4):724–7

Treatment of severe poisoning with slow release theophylline. Laggner AN, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1497

Treatment of theophylline poisoning [letter] Whyte KF, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1835

Model for theophylline overdose treatment with oral activated charcoal. Radomski L, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):402–8

Treatment of theophylline toxicity with oral activated charcoal. True RJ, et al. **Crit Care Med** 1984 Feb; 12(2):113–4

Comment and case report on dose–dependent theophylline elimination [letter] Wagner JC, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):847

Treatment of theophylline overdose [letter] Weinberger M. **J Pediatr** 1983 Dec;103(6):1004

Oral activated charcoal to enhance theophylline elimination in an acute overdose. Gal P, et al. **JAMA** 1984 Jun 15; 251(23):3130–1

Accidental theophylline overdose [letter] Wilson DB. **Med J Aust** 1983 Oct 29;2(9):420–1

Beware the xanthines bearing gifts: theophylline overdose. Mack RB. **NC Med J** 1984 Jul;45(7):457–9

Theophylline poisoning [letter] Weinberger M. **Pediatrics** 1984 Jun;73(6):878

[Severe confusion following a theophylline–cimetidine combination] Colavolpe C, et al. **Ann Fr Anesth Reanim** 1983;2(2):95–6 (Eng. Abstr.) (Fre)

[Theophylline poisoning in the neonatal period] Bonnet P, et al. **Ann Pediatr (Paris)** 1984 Apr;31(4):342 (Fre)

[Risk of poisoning in children under one year of age based on guidelines from the Swedish Pharmacologic Register on the dosage of theophylline] Lönnerholm G, et al. **Lakartidningen** 1983 Sep 21;80(38):3397–8 (Swe)

THERAPEUTIC USE

Comparison of a sustained–release preparation (Theo–Dur) with a conventional preparation (Nuelin) in the treatment of chronic asthma. Haahtela T, et al. **Allergy** 1983 Nov; 38(8):589–92

Electrophysiologic effects of theophylline in young patients with recurrent symptomatic bradyarrhythmias. Benditt DG, et al. **Am J Cardiol** 1983 Dec 1;52(10):1223–9

Theophylline pharmacotherapy. Baptista RJ, et al. **Am Pharm** 1984 May;NS24(5):57–65

Effects of theophylline on inhaled methacholine and

histamine in asthmatic children. McWilliams BC, et al. **Am Rev Respir Dis** 1984 Aug;130(2):193–7

Combined therapy with ipratropium and theophylline in asthma. Kreisman H, et al. **Ann Allergy** 1984 Feb;52(2):90–3

Patient compliance with oral theophylline therapy. Taylor DR, et al. **Br J Clin Pharmacol** 1984 Jan;17(1):15–20

The influence of controlled release theophylline on cold air induced bronchoconstriction in asthma. Godden DJ, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:25–9

The effects of increasing the evening dose of controlled release theophylline in patients with reversible airways obstruction. Haig G. **Br J Clin Pract [Symp Suppl]** 1984; 32:22–4

Serum theophylline levels in children after a single dose of Uniphyllin Unicontin tablets. Nerminathan V, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:30–1

Clinical results obtained from a new controlled release theophylline preparation. Nolte D. **Br J Clin Pract [Symp Suppl]** 1984;32:14–7

New facts about the theophyllines. Palma–Carlos AG. **Br J Clin Pract [Symp Suppl]** 1984;32:2–6 (41 ref.)

Anti–allergic and anti–obstructive therapy by mast cell protection: theophylline. Sybrecht W, et al. **Br J Clin Pract [Symp Suppl]** 1984;32:10–3

Double–blind comparisons of slow–release theophylline, ketotifen and placebo for prophylaxis of asthma in young children. Stratton D, et al. **Br J Dis Chest** 1984 Apr; 78(2):163–7

Slow release theophylline in patients with airways obstruction with particular reference to the effects of food upon serum levels. Thompson PJ, et al. **Br J Dis Chest** 1983 Jul;77(3):293–8

Intravenous aminophylline in acutely ill patients receiving theophylline [letter] Conway SP, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):715–6

ABC of asthma. Asthma in children: treatment. Price J. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1895–7

Risk of giving intravenous aminophylline to acutely ill patients receiving maintenance treatment with theophylline. Stewart MF, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):450

Naloxone, theophylline, bromocriptine, and obstructive sleep apnea. Negative results. Guilleminault C, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):632–4

Theophylline therapy in COAD [letter] Kasik JE, et al. **Chest** 1983 Nov;84(5):648

Induction of suppressor T cells in asthmatic children by theophylline treatment. Shohat B, et al. **Clin Allergy** 1983 Sep;13(5):487–93

Cardiopulmonary responses of asthmatic children to strenuous exercise. Effect of theophylline. Chrysaanthopoulos C, et al. **Clin Pediatr (Phila)** 1984 Jul; 23(7):384–8

Controversies in asthma therapy with theophylline and the beta 2–adrenergic agonists. Kelly HW. **Clin Pharm** 1984 Jul–Aug;3(4):386–95 (139 ref.)

An evaluation of theophylline for idiopathic apnea of infancy. Finer NN, et al. **Dev Pharmacol Ther** 1984;7(2):73–81

Pharmacokinetics and bronchodilatory effect of proxyphylline and theophylline. Rasmussen FV, et al. **Eur J Respir Dis** 1984 Jan;65(1):20–7

Pretreatment of exercise–induced asthma with beta–2 agonists inhaled from RV to TLC or at TLC. A preliminary report. Bundgaard A. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):518–20

Theophylline—clinical pharmacokinetics and therapeutic drug monitoring. Dahlqvist R, et al. **Eur J Respir Dis [Suppl]** 1984;136:81–94

New thoughts about the mechanisms of action of corticosteroids and theophylline in asthma. Svedmyr N. **Eur J Respir Dis [Suppl]** 1984;136:115–20

Inhibition of exercise–induced asthma by theophylline. Ellis EF. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):690–2

Increased leukocyte sensitivity to phosphodiesterase inhibitors in atopic dermatitis: tachyphylaxis after theophylline therapy. Giustina TA, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):252–7

Theophyllines—a review. Cummiskey JM, et al. **J Asthma** 1984;21(4):243–57

Dyphylline versus theophylline: a double–blind comparative evaluation. Furukawa CT, et al. **J Clin Pharmacol** 1983 Oct;23(10):414–8

A comparative trial of two slow–release theophylline tablets in the treatment of asthma; Nuelin S.A. and Theocontin Continus tablets. Davies PD, et al. **J Int Med Res** 1984; 12(4):261–5

Theophylline improves pneumogram abnormalities in infants at risk for sudden infant death syndrome. Hunt CE, et al. **J Pediatr** 1983 Dec;103(6):969–74

Practical considerations in the safe and effective use of theophylline. Szefler SJ. **Pediatr Clin North Am** 1983 Oct; 30(5):943–54

T4 levels in methylxanthine–treated premature newborns. Sourgens H, et al. **Pediatr Pharmacol (New York)** 1983; 3(3–4):267–72

Theophylline for chronic asthma: rationale for treatment, product selection, and dosage schedule. Weinberger M, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):273–85 (24 ref.)

Short–acting versus a long–acting preparation of theophylline ('Xantivent') in the treatment of reversible bronchospasm. Andrasch R, et al. **Pharmatherapeutica** 1984;3(10):668–77

News aspects of oral theophylline. Svedmyr N. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:907–10

Symptoms and peak expiratory flow rate: response to a slow release theophylline preparation. Ho TF, et al. **Singapore Med J** 1983 Oct;24(5):280–4

Long term treatment with theophylline increases malonyl dialdehyde plasma concentrations. Godard P, et al. **Thorax** 1984 Feb;39(2):137–9

[Multicenter study of a slow–release theophylline: armophylline] Akoun G, et al. **Poumon Coeur** 1983; 39(6):333–6 (Eng. Abstr.) **(Fre)**

[Mechanism of action of anti–asthma drugs] Pécoud A. **Schweiz Rundsch Med Prax** 1984 Jan 3;73(1):9–11 (Eng. Abstr.) **(Fre)**

[Therapy with theophylline] Geisler LS. **Fortschr Med** 1983 Oct 6;101(37):1674 **(Ger)**

[Drug information: Uniphylline. Rhythm therapy of bronchial asthma] **MMW** 1983 Jul 22;125(32–33):64–8 **(Ger)**

[Clinical trial of a pediatric oral sustained–release theophylline preparation] Zach M, et al. **Prax Klin Pneumol** 1984 May;38(5):182–7 (Eng. Abstr.) **(Ger)**

[Comparison of 2 theophylline delayed–action preparations of different galenic forms] Hirsch H. **Wien Med Wochenschr** 1983 Aug 31;133(15–16):403–8 (Eng. Abstr.) **(Ger)**

[Possibilities for optimizing therapy with theophylline preparations. III. Ventilatory effect and pharmacokinetics of 'new' Pulmophyllin] Kandt D, et al. **Z Erkr Atmungsorgane** 1984;162(1):18–25 (Eng. Abstr.) **(Ger)**

[Possibilities for optimizing therapy with theophylline preparations. Clinical effectiveness and side effects of microcrystalline theophylline] Wiesner B, et al. **Z Erkr Atmungsorgane** 1984;162(1):11–7 (Eng. Abstr.) **(Ger)**

TOXICITY

Effects of cimetidine on theophylline, acetaminophen, and zoxazolamine toxicity in the intact mouse. Lazarte RA, et al. **Dev Pharmacol Ther** 1984;7(1):21–9

Theophylline toxicity [letter] **Lancet** 1983 Oct 8;2(8354):850

Theophylline toxicity [letter] Kossoy AF, et al. **Pediatrics** 1983 Nov;72(5):746–7

External malformations in chick embryos following concomitant administration of methylxanthines and beta–adrenomimetic agents: 1. Gross pathologic features. Bruyere HJ Jr, et al. **Teratology** 1983 Oct;28(2):257–69

THERAPEUTIC COMMUNITY

Therapeutic communities: what are the retention rates? De Leon G, et al. **Am J Drug Alcohol Abuse** 1984;10(2):267–84

The psychiatrically severe drug abuse patient: methadone maintenance or therapeutic community? McLellan AT, et al. **Am J Drug Alcohol Abuse** 1984;10(1):77–95

Client types in drug–free and methadone treatment: comparison of personality traits. Mider PA. **Am J Drug Alcohol Abuse** 1984;10(1):97–111

Three therapeutic communities. A prospective controlled study of narcotic addiction treatment: process and two–year follow–up results. Bale RN, et al. **Arch Gen Psychiatry** 1984 Feb;41(2):185–91

Projective identification: the container and reverie as concepts in applied psychoanalysis. Gold S. **Br J Med Psychol** 1983 Sep;56 (Pt 3):279–85

The current status of the therapeutic community. Trauer T. **Br J Med Psychol** 1984 Mar;57 (Pt 1):71–9

Social change in a therapeutic community. Page RC. **Int J Addict** 1983 Aug;18(6):769–76

Increased effectiveness of substance abuse treatment. A prospective study of patient–treatment 'matching'. McLellan AT, et al. **J Nerv Ment Dis** 1983 Oct; 171(10):597–605

Proverbs, slogans and folk sayings in the therapeutic community: a neglected therapeutic tool. Bassin A. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):51–6

A drug abuse prevention program developed within a therapeutic community. Biase DV. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):63–8

The drug–free therapeutic community and the impaired physician. Carlson HB. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):69–71

Coercion in the therapeutic community. Deitch DA, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):35–41

The reentry process of adolescents. Freudenberger HJ, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):93–9

The therapeutic community: a sociobiologic study. Frye RV. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):27–33

Marathon: a life–and–death experience. Hoag J, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):47–50

Why two therapeutic communities? Jones M. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):23–6

The therapeutic community: a current perspective. O'Brien WB, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):9–21

From maintenance to abstinence in a therapeutic community: preliminary results. Sorensen JL, et al. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):73–7

The role of the psychotherapist in the reentry program. Vos H. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):91–3

Separational conflicts and their impact on the therapeutic community. Vos H. **J Psychoactive Drugs** 1984 Jan–Mar; 16(1):57–62

Gestalt techniques in a therapeutic community for the treatment of addicts. Zarcone V Jr. **J Psychoactive Drugs** 1984 Jan–Mar;16(1):43–6

Interpersonal communications task group. Pelletier LR. **J Psychosoc Nurs Ment Health Serv** 1983 Sep;21(9):32–6

[Life communities for aged persons with mental deterioration: the Cantou] Gayda M, et al. **Ann Med Psychol (Paris)** 1983 Mar;141(3):345–9 **(Fre)**

[Integration and maladjustment of drug addicts following treatment in a therapeutic community] Kampe H, et al. **Prax Kinderpsychol Kinderpsychiatr** 1984 Feb–Mar; 33(2):49–55 (Eng. Abstr.) **(Ger)**

[Concept of the therapeutic community] Eichhorn H. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Aug; 35(8):449–59 (Eng. Abstr.) **(Ger)**

[Long–term therapy of juvenile drug addicts in the hospital as shown at the Erlenhof therapeutic facility] Rittmannsberger H. **Wien Med Wochenschr** 1984 Jun 30; 134(12):297–301 (Eng. Abstr.) **(Ger)**

[Initiation of a 4–year program of mass education, training and exchange therapy for adult patients with bronchial asthma] Shimizu T, et al. **Arerugi** 1983 Jul;32(7):405–17 (Eng. Abstr.) **(Jpn)**

[Elements of the therapeutic community in the psychiatric department of a general hospital] Zahradník M. **Cesk Psychiatr** 1984 Apr;80(2):117–20 (Eng. Abstr.) **(Slo)**

THERAPEUTIC CULTS

see related
QUACKERY

Food faddism, cultism, and quackery. Jarvis WT. **Annu Rev Nutr** 1983;3:35–52 (93 ref.)

Therapeutic touch as energy exchange: testing the theory. Quinn JF. **ANS** 1984 Jan;6(2):42–9

Therapeutic fads and quack care. van den Noort S. **Arch Neurol** 1983 Oct 21;40(11):673–4

Alternative medicine is no alternative [editorial] **Lancet** 1983 Oct 1;2(8353):773–4

The relationship between the alternative practitioner and his patient. A review. Hewer W. **Psychother Psychosom** 1983; 40(1–4):172–80

TRENDS

Science and scam: alternative thought patterns in alternative health care. Fitzgerald FT. **N Engl J Med** 1983 Oct 27; 309(17):1066–7

THERAPEUTIC EQUIVALENCY

Generic alternatives in general practice. Anderson RJ, et al. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1129–31

Generic prescribing [letter] Wade AG. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):985

Mini–computer programs for bioequivalence testing of pharmaceutical drug formulations in two–way cross–over studies. Including a survey of current parametric evaluation techniques. Wijnand HP, et al. **Comput Programs Biomed** 1983 Aug–Oct;17(1–2):73–88

Brand versus generic prescribing: a perspective of the Indian cardiologists' viewpoint. Bansinath M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):279–83

Bayesian approach to bioequivalence assessment: an example. Fluehler H, et al. **J Pharm Sci** 1983 Oct;72(10):1178–81

A new statistical procedure for testing equivalence in two–group comparative bioavailability trials. Hauck WW, et al. **J Pharmacokinet Biopharm** 1984 Feb;12(1):83–91

Physico–chemical and formulation–induced veterinary drug–product bioinequivalencies. Pope DG. **J Vet Pharmacol Ther** 1984 Jun;7(2):85–112 (345 ref.)

A case for generic prescribing? Birkett DJ, et al. **Med J Aust** 1983 Jul 23;2(2):92–3

Brand names, generic prescribing, and generic substitution. Pincus RC. **Med J Aust** 1983 Jul 23;2(2):89–91

Generic substitutes. Should they be safe, effective and equivalent? Vacco PJ. **Med Law** 1984;3(1):17–28

[Biopharmaceutics, biodisposibility, bioequivalency] Cingolani E. **Ann Ist Super Sanita** 1982;18(3):531–2 **(Ita)**

[Power of test in bioequivalence analysis. The comparison of tests in beagle dogs and humans] Kaniwa N, et al. **Yakugaku Zasshi** 1984 Feb;104(2):175–83 (Eng. Abstr.) **(Jpn)**

THERAPEUTICS

Could there be a conspiracy to suppress valid treatments of disease? [editorial] Morgan PP. **Can Med Assoc J** 1984 Jan 1;130(1):15–6

Recombinant technology in medical research and therapeutics. Ranasinghe L. **Ceylon Med J** 1983 Jun; 28(2):57–61

Therapeutic concern for the 'nonpresenting symptom' in pediatric practice. Menahem S. **Child Psychiatry Hum Dev** 1983 Winter;14(2):87–96

Analysis of interactions between treatments applied concurrently onto biological systems. Ozanne G, et al. **Comput Biol Med** 1983;13(4):287–97

Innovative therapy. The responsibility of hospitals. Cowan DH, et al. **J Leg Med (Chicago)** 1984 Jun;5(2):219–51

Teaching clinical decision making. Howe KR, et al. **J Med Philos** 1984 May;9(2):215–28
Decision analysis as a basis for medical decision making: the tree of hippocrates. Zarin DA, et al. **J Med Philos** 1984 May;9(2):181–213
The trans-technique aspects of disease and death. Kothari ML, et al. **J Postgrad Med** 1983 Apr;29(2):75–81
The Markov process in medical prognosis. Beck JR, et al. **Med Decis Making** 1983;3(4):419–458
The problem of induction in clinical decision making. Hanckel FS. **Med Decis Making** 1984;4(1):59–68
Risk–benefit ratio: hazardous surgery and experimental therapy. Rosner F. **Mt Sinai J Med (NY)** 1984 Jan–Feb; 51(1):58–9
Healing by the fundamentals. Benjamin WW. **N Engl J Med** 1984 Aug 30;311(9):595–7
The promotion of physician well-being [editorial] Pfifferling JH. **NC Med J** 1983 Sep;44(9):538–9
Will the sighted physician see? Melmon KL. **Pharos** 1984 Winter;47(1):2–6
Unbiased assessment of treatment effects on disease recurrence and survival in clinical trials [letter] Haybittle J. **Stat Med** 1983 Jul–Sep;2(3):415–6
The need for randomization in the study of intended effects. Miettinen OS. **Stat Med** 1983 Apr–Jun;2(2):267–71
[Chelating treatment, believing against one's better judgment] **Ned Tijdschr Geneeskd** 1984 Apr 21;128(16):775–7 **(Dut)**
[Moerman, Muntendam and measurement with different standards in medicine] Lubsen J. **Ned Tijdschr Geneeskd** 1984 Jun 30;128(26):1244–7 **(Dut)**
[Prophetic medicine] Wolffers I. **Ned Tijdschr Geneeskd** 1984 May 19;128(20):964–7 **(Dut)**
[Critical observations on 'focal loci'] Oepen I. **HNO** 1984 Mar;32(3):108–11 (Eng. Abstr.) **(Ger)**
[Therapeutic characteristics of elderly patients] Lowental U. **Harefuah** 1983 Dec 15;105(12):420–2 **(Heb)**
[Scientific thinking, medical training and the art of healing] Petri G. **Orv Hetil** 1983 Jul 31;124(31):1853–60 **(Hun)**
[Mathematics for diagnosis and treatment] Abe H. **Nippon Naika Gakkai Zasshi** 1983 Aug;72(8):989–94 **(Jpn)**
[Compulsory medical treatment] Nesterowicz M. **Pol Tyg Lek** 1983 Aug 15;38(33–34):1045–8 **(Pol)**
[Apropos the incorrect use of the terms 'pathogenetic therapy' and 'agents of pathogenetic therapy'] Uzhanskiĭ IaG. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):84–7 **(Rus)**
[Various problems in teaching faculty therapy] Iupatov IIu, et al. **Ter Arkh** 1983;55(11):123–5 **(Rus)**
[Importance of lectures in developing clinical thinking among students in a department of faculty therapy] Makolkin VI, et al. **Ter Arkh** 1983;55(11):120–3 **(Rus)**
[Experience with the summer polyclinic practice therapy of 5th year students] Pimenov IuS, et al. **Ter Arkh** 1983; 55(11):126–7 **(Rus)**

ADVERSE EFFECTS

[Reports of medico-legal data from the mass-investigation performed by the Medico-Legal Society of Japan (IX). Autopsy cases of therapeutic complications] **Nippon Hoigaku Zasshi** 1983 Aug;37(4):434–54 (Eng. Abstr.) **(Jpn)**
[Disputable problems, difficulties and mistakes in the treatment of patients] El'shteĭn NV. **Ter Arkh** 1984; 56(1):47–52 (Eng. Abstr.) **(Rus)**

ECONOMICS

Should case records report costs? [letter] Bader M. **N Engl J Med** 1984 Oct 4;311(14):924

HISTORY

Medicine in Shakespeare. The bard and the body. 6. Therapeutics. Kail AC. **Med J Aust** 1983 Dec 10–24; 2(12):657–62
[Lessons from the history of therapy—therapeutic optimism and its pitfalls] Koelbing HM. **Schweiz Med Wochenschr** 1983 Oct 1;113(39):1378–84 (Eng. Abstr.) **(Ger)**
[Obsolescence of medical information and the need for revision (letter)] **Orv Hetil** 1984 Jun 10;125(24):1475–6 **(Hun)**
[Medical references from the times of Turkish occupation in the works of Transylvanian historians] Szentgyörgyvölgyi G. **Orv Hetil** 1984 Apr 1; 125(14):837–41 **(Hun)**
[Development of therapeutics at Tartu University] Piaĭ LT, et al. **Ter Arkh** 1984;56(3):44–6 **(Rus)**

TRENDS

The end of clinical freedom [editorial] Hampton JR. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1237–8
Computer-assisted decision making in medicine. Kunz JC, et al. **J Med Philos** 1984 May;9(2):135–60 (60 ref.)
[Value of current information] Aumiller J. **MMW** 1983 Dec 23;125(51):1194 **(Ger)**
[Value of initial therapeutic experiences for general practice. On the pros and cons of current information in medicine] Greil W, et al. **MMW** 1983 Dec 23;125(51):1192–3 **(Ger)**

VETERINARY

[Treatment methods: traditional and alternative] Rijnberk A. **Tijdschr Diergeneeskd** 1984 Jan 1;109(1):25–34 (Eng. Abstr.) **(Dut)**

THERAPEUTICS COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

THERAPY, COMBINED MODALITY see **COMBINED MODALITY THERAPY**

THERMAL CONDUCTIVITY

Thermal properties of tissue equivalent phantom materials. Leonard JB, et al. **IEEE Trans Biomed Eng** 1984 Jul; 31(7):533–6
Simultaneous mass spectrometry and thermoconductivity measurements of end-tidal xenon concentrations: a comparison. Gur D, et al. **Med Phys** 1984 Mar–Apr; 11(2):209–12

THERMAL WATER POLLUTION see **WATER POLLUTION, THERMAL**

THERMODILUTION

Effect of catheter position on thermodilution cardiac output during continuous positive-pressure ventilation. Hasan FM, et al. **Crit Care Med** 1984 Apr;12(4):387–90
Ear densitometer cardiac outputs versus thermodilution outputs. Powner DJ, et al. **Crit Care Med** 1984 Feb; 12(2):148–9
Digital intravenous ventriculography. Comparison of volumes from mask-mode and nonsubtracted images with thermodilution and sonocardiometric measurements. Slutsky RA, et al. **Invest Radiol** 1983 Jul–Aug;18(4):327–34
Thermodilution curves for diagnosis of ventricular septal defect in cattle. McGuirk SM, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1141–5
Cardiac output measurements with thermodilution and radioactive microspheres. A comparative study in cats. Arvidsson S, et al. **Scand J Clin Lab Invest** 1983 Nov; 43(7):617–20
[Determination of cardiac output by thoracic electric impedance: comparison with thermodilution] Delfino M, et al. **G Ital Cardiol** 1984 Feb;14(2):101–7 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Catheter thrombus artifactually decreases thermodilution cardiac output measurements. Bjoraker DG, et al. **Anesth Analg** 1983 Nov;62(11):1031–4

METHODS

In vitro analysis of thermal transport in coronary sinus thermodilution catheters. Bålfors E, et al. **Clin Physiol** 1983 Oct;3(5):469–76
Technical aspects of the thermodilution method for measuring cardiac output. Riedinger MS, et al. **Heart Lung** 1984 May;13(3):215–22 (79 ref.)
Thermodilution cardiac output in critically ill patients: comparison of room-temperature and iced injectate. Vennix CV, et al. **Heart Lung** 1984 Sep;13(5):574–8
The effects of the respiratory cycle by mechanical ventilation on cardiac output measured using the thermodilution method. Tajiri J, et al. **Jpn Circ J** 1984 Apr;48(4):328–30
A problem in the measurements of pulmonary extravascular water volume by double indicator dilution method, using heat and dye—thermal diffusion into the left ventricular wall. Yasuda Y, et al. **Jpn Circ J** 1984 Jun;48(6):580–90
Portal blood flow in man during surgery, measured by a modification of the continuous thermodilution method. Biber B, et al. **Scand J Gastroenterol** 1983 Mar;18(2):233–9
[Clinical estimation of the relation between coronary artery disease and regional myocardial blood flow by continuous thermodilution with the multithermistor catheter] Mikuniya A, et al. **J Cardiogr** 1983 Jun;13(2):291–300 (Eng. Abstr.) **(Jpn)**

THERMODYNAMICS

Thermodynamic properties of the cholesterol transfer reaction from liposomes to cytochrome P450scc: an enthalpy–entropy compensation effect. Hsu DK, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):877–84
Thermodynamic equation of state for cholesteryl esters in surface phases. Smaby JM, et al. **Biochemistry** 1984 Jul 3;23(14):3312–7
Transient kinetics of thermodynamic buffering. Stucki JW, et al. **Biophys Chem** 1984 Mar;19(2):131–45
Nonequilibrium thermodynamic model of the rat proximal tubule epithelium. Weinstein AM. **Biophys J** 1983 Nov; 44(2):153–70
Thermodynamics of hapten–antibody interactions. Mukkur TK. **CRC Crit Rev Biochem** 1984;16(2):133–67 (79 ref.)
Hierarchial thermodynamic approach to the brain. Erdi P. **Int J Neurosci** 1983 Sep;20(3–4):193–216
Biological application of the statistical concepts used in the Second Law. Elsasser WM. **J Theor Biol** 1983 Nov 7; 105(1):103–16
Non-equilibrium thermodynamics and degenerate disease. Ellis RJ. **Med Hypotheses** 1984 May;14(1):83–98
Isotherms in ion exchange as obtained from break-through curves. II. Simple isotherms. Eid MI, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):217–21
Thermodynamic equilibrium constants of vitamin B6-compounds in dioxane–water mixtures. Sánchez-Ruiz JM, et al. **Prog Clin Biol Res** 1984;144A:79–88
Free energy cost and accuracy in branched selection processes of biosynthesis. Blomberg C. **Q Rev Biophys** 1983 Nov;16(4):415–519 (54 ref.)
[Medicine and phenomenological thermodynamics. I. Necessity for use of phenomenological thermodynamics concepts in medicine] Klimek R, et al. **Ginekol Pol** 1983 Jun;54(6):377–84 (Eng. Abstr.) **(Pol)**
[Medicine and phenomenological thermodynamics. II. The concept of dissipative structures] Waclawik J, et al. **Ginekol Pol** 1984 Mar;55(3):153–9 (Eng. Abstr.) **(Pol)**

THERMOELECTRIC POWER PLANTS see **POWER PLANTS**

THERMOGRAPHY

Thermography in the diagnosis of deep venous thrombosis. A comparison with 99Tcm-plasmin test, clinical diagnosis and phlebography. Wallin L, et al. **Acta Med Scand** 1983; 214(1):15–20
Thermobiological assessment of benign and malignant breast diseases. Gautherie M. **Am J Obstet Gynecol** 1983 Dec 15; 147(8):861–9
Thermography [letter] Clark RM. **CA** 1983 Nov–Dec; 33(6):370–2
Thermography [letter] Hobbins WB. **CA** 1983 Nov–Dec; 33(6):372–6
Liquid crystal contact thermography and lacrimal tract inflammation: a preliminary report. Hinton P, et al. **Can J Ophthalmol** 1984 Jun;19(4):176–7
Other imaging techniques. Isard HJ. **Cancer** 1984 Feb 1;53(3 Suppl):658–64
A comparative evaluation of thermography and scintigraphy in the assessment of sacroiliitis. Bennett RJ, et al. **Int J Nucl Med Biol** 1984;11(1):42–5
Application and value of liquid crystal thermography. Dribbon BS. **J Am Podiatry Assoc** 1983 Aug;73(8):400–4
Tight-jeans meralgia: hot or cold? [letter] Gateless D, et al. **JAMA** 1984 Jul 6;252(1):42–3
In the hot seat: thermography for breast cancer diagnosis [news] Goldsmith MF. **JAMA** 1984 Feb 10;251(6):693–5
The importance of infrathermographic examination of the face and lower limbs in the differential-diagnosis of Raynaud's phenomenon caused by vibration and systemic disease. Kákosy T, et al. **Med Lav** 1983 Nov–Dec; 74(6):499–502
Thermography in the diagnosis of reflex sympathetic dystrophy [letter] Ecker A. **NY State J Med** 1984 Jan; 84(1):6
[Thermography in otolaryngology] Hubáček J, et al. **Cesk Otolaryngol** 1983 Jul;32(4):198–203 (Eng. Abstr.) **(Cze)**
[Thermography in parotid tumors] Hubáček J, et al. **Cesk Otolaryngol** 1983 Nov;32(6):345–7 (Eng. Abstr.) **(Cze)**
[Infrared thermovision in the diagnosis of chronic recurrent parotitis in children] Lejska V, et al. **Cesk Otolaryngol** 1984 Feb;33(1):8–12 (Eng. Abstr.) **(Cze)**
[Infrared thermovision in the diagnosis of carcinoma of the thyroid gland in childhood] Lejska V, et al. **Cesk Otolaryngol** 1983 Jul;32(4):204–6 (Eng. Abstr.) **(Cze)**
[Benign angiographic picture in diseases of the bones and soft tissues. Comparison with thermographic findings] Chudáček Z. **Cesk Radiol** 1983 Nov;37(6):361–9 (Eng. Abstr.) **(Cze)**
[Thermography in congenital vascular malformations] Holý J, et al. **Cesk Radiol** 1984 Feb;38(1):46–50 (Eng. Abstr.) **(Cze)**
[Contact thermography as a screening method suspected deep lower thrombosis of the lower limbs] Knudsen LL, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):967–70 (Eng. Abstr.) **(Dan)**
[A predictive thermographic test of the effect of lumbar sympathectomy] Delcour C, et al. **J Mal Vasc** 1984; 9(1):35–7 (Eng. Abstr.) **(Fre)**
[Plate thermography in the assessment of changes in the female breast. 1. The value of malignancy criteria using Tricoire's technic] Bothmann GA, et al. **Fortschr Med** 1984 Apr 12;102(14):385–9 (Eng. Abstr.) **(Ger)**
[Plate thermography in the assessment of changes in the female breast. 2. Clinical and thermographic results] Bothmann GA, et al. **Fortschr Med** 1984 Apr 12; 102(14):390–3 (Eng. Abstr.) **(Ger)**
[Tomo- and thermographic structure analysis of the myocardium] Lunkenheimer A, et al. **Z Kardiol** 1983 Oct; 72(10):592–8 (Eng. Abstr.) **(Ger)**
[Thermometry in experimental inflammation. II. Studies of the effect of local cold application on the skin temperature of the rat's paw in experimental inflammation] Kessler F, et al. **Z Rheumatol** 1984 Mar–Apr;43(2):83–8 (Eng. Abstr.) **(Ger)**
[Thermographic monitoring in Paget's disease] Verrina F, et al. **Chir Organi Mov** 1982–83;68(3):297–301 (Eng. Abstr.) **(Ita)**

[Telethermographic study of the syndrome of chronic venous insufficiency of the lower extremities] Lucardi C, et al. **Minerva Cardioangiol** 1983 Nov;31(11):603–9 (Eng. Abstr.) **(Ita)**

[Thermographic monitoring of the evolution and therapy of chronic synovitis and cysts in hemophiliacs] Lozej E, et al. **Pediatr Med Chir** 1983 May–Jun;5(3):27–32 (Eng. Abstr.) **(Ita)**

[Role of teletermography in the diagnosis of primary tumors of soft tissues and bones] Gardani G, et al. **Radiol Med (Torino)** 1983 Jun;69(6):433–8 (Eng. Abstr.) **(Ita)**

[Infra-red thermograms of normal male adults] Matsuda K. **Nippon Hifuka Gakkai Zasshi** 1984 Mar;94(3):245–59 **(Jpn)**

[Value of thermography in the diagnosis of intraocular tumors] Czarnecki W. **Klin Oczna** 1983 May;85(5):203–4 (Eng. Abstr.) **(Pol)**

[Infrared thermography of the thyroid gland in pregnancy] Shatsova EN, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):73–5 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the informative value of ultrasonic scanning and thermography in the diagnosis of ectopic pregnancy] Vodianik ND, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):71–3 (Eng. Abstr.) **(Rus)**

[Use of thermography in the diagnosis of breast diseases] Nikitin VA. **Khirurgiia (Mosk)** 1984 Jun;(6):98–9 **(Rus)**

[Thermography in the diagnosis of chronic arterial insufficiency of the upper extremities] Tarasenko OP, et al. **Klin Khir** 1984 Jul;(7):58–9 (Eng. Abstr.) **(Rus)**

[Radionuclide and thermographic diagnosis of head and neck neoplasms] Bogdasarov IuB, et al. **Med Radiol (Mosk)** 1983 Oct;28(10):38–40 (Eng. Abstr.) **(Rus)**

[Comprehensive radiodiagnosis of toxic adenomas of the thyroid] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):32–6 (Eng. Abstr.) **(Rus)**

[Thermographic study of the thyroid gland] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May;29(5):36–9 (Eng. Abstr.) **(Rus)**

[Potentials of thermography in the diagnosis and characterization of chronic tonsillitis] Ginzburg LI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):74–8 (Eng. Abstr.) **(Rus)**

[Thermographic studies in rheumatoid polyarthritis before and after surgical treatment] Malova MN, et al. **Ortop Travmatol Protez** 1983 Sep;(9):28–31 **(Rus)**

[Role of thermography in diagnosing thyroid diseases] Zenovko GI. **Probl Endokrinol (Mosk)** 1984 Jul–Aug; 30(4):21–5 (Eng. Abstr.) **(Rus)**

[Infrared thermography of suppurative wounds] Orlov GA, et al. **Sov Med** 1983;(11):107–8 **(Rus)**

[Ultrasound and thermography in the diagnosis of bone pathology of the jaws] Mazalova NN, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):36–7 (Eng. Abstr.) **(Rus)**

[Thermographic data and skin electric conductivity in mandibular fractures] Osipov VIu. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):35–7 (Eng. Abstr.) **(Rus)**

[Early diagnosis of diseases of the vessels of the lower extremities by the thermographic technic] Zenovko GI. **Vestn Khir** 1983 Aug;131(8):40–4 (Eng. Abstr.) **(Rus)**

[Thermography in the combined diagnosis of minimal breast cancer] Orlov AA, et al. **Vopr Onkol** 1984;30(6):63–7 (Eng. Abstr.) **(Rus)**

[Use of thermography to diagnose chronic pancreatitis] Iakhontova OI, et al. **Vrach Delo** 1984 May;(5):12–4 (Eng. Abstr.) **(Rus)**

[Determination of the thermotopography of the hand using a thermograph and liquid crystals in children with injuries of the median and ulnar nerves] Dol'nitskil OV, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1156–8 (Eng. Abstr.) **(Rus)**

[Complex ultrasonic scanning, Doppler sonography, telethermography and infrared radiometry in studies of carotid artery circulation] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1307–14 (Eng. Abstr.) **(Rus)**

[Thermography in the diagnosis of spontaneous lumbosacral radiculitis] Nikiforov BM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):525–30 (Eng. Abstr.) **(Rus)**

[Evaluation of manual treatment of the vertebral syndrome in the cervical vertebrae using quantitative thermography] Durianová J. **Fysiatr Reumatol Vestn** 1983 Dec; 61(6):325–30 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

High-speed eight-channel thermocouple amplifier. Carlson CJ, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H626–9

Microwave radiometric system for biomedical 'true temperature' and emissivity measurements. Lüdeke KM, et al. **J Microwave Power** 1983 Sep;18(3):277–83

Tissue cooling and its effect on brightness temperatures by contact-type microwave applicators. Miyakawa M. **J Microwave Power** 1983 Jun;18(2):115–9

[Mass prophylactic screening of women using the computerized thermograph] Vepkhvadze RIa, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):62–5 **(Rus)**

METHODS

Encapsulated liquid crystal (ELC) thermography in peripheral arterial disease. Belcaro G, et al. **Acta Chir Belg** 1983 Nov–Dec;83(6):430–5

Tele-thermography and Eco-Doppler evaluation of subclinical varicocele in infertile men. Ponchietti R, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):283–4

Patterns of skin temperature and surface heat flow in man during and after cold water immersion. Reed LD, et al. **Aviat Space Environ Med** 1984 Jan;55(1):19–23

Breast cancer screening of the high risk population with clinical examination and thermography. A combination of telethermography and plate thermography. Font Sastre V Jr, et al. **Eur J Gynaecol Oncol** 1984;5(2):105–9

Thermologic methods in clinical pharmacology-skin temperature measurement in drug trials. Ring EF, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jan;22(1):20–4

A direct substitution, equation error technique for solving the thermographic tomography problem. Kleinman AM, et al. **J Biomech Eng** 1983 Aug;105(3):237–43

Electronic thermography. Uricchio JV Jr. **J Fla Med Assoc** 1983 Oct;70(10):889–94

Introduction to correlation microwave thermography. Mamouni A, et al. **J Microwave Power** 1983 Sep; 18(3):285–93

Thermography and oral inflammatory conditions. Soffin CB, et al. **Oral Surg** 1983 Sep;56(3):256–62

After-exercise thermography compared to strain-gauge plethysmography and venous pressure measurements to detect deep venous insufficiency. Lindhagen A, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):293–5

[Digital dynamic telethermography: an aid in the study of vascular reactivity to cold] Thouvenot P, et al. **J Mal Vasc** 1984;9(2):111–6 (Eng. Abstr.) **(Fre)**

[Plate thermography in practice] Bothmann GA. **Fortschr Med** 1984 Apr 12;102(14):407–8 **(Ger)**

[Liquid crystal thermography of the hands in comparison to roentgen diagnosis, clinical aspects and capillary microscopy in arthritis psoriatica] Loreck D, et al. **Radiol Diagn (Berl)** 1983;24(6):783–98 (Eng. Abstr.) **(Ger)**

[Comparison of microwave and infrared thermography in detecting malignant breast tumors] Ulmer HU, et al. **ROFO** 1984 Aug;141(2):208–11 (Eng. Abstr.) **(Ger)**

[Application of medical thermographic studies for autonomic nervous function] Hanakago R. **No To Shinkei** 1984 May; 36(5):453–64 **(Jpn)**

[Use of polycryptate in liquid-crystalline thermography] Kotkowski S, et al. **Ann Acad Med Stetin** 1980;26:339–47 (Eng. Abstr.) **(Pol)**

[Thermography of the anterior abdominal wall in acute appendicitis] Panchenkov RT, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):112–5 **(Rus)**

[Liquid-crystal thermography in the diagnosis of varicose veins of the lower extremities] Udod VM, et al. **Klin Khir** 1983 Jul;(7):60–1 (Eng. Abstr.) **(Rus)**

[Possible effect of methodological errors on the accuracy of diagnostic conclusions in thermographic examination of patients] Mazurin VIa. **Med Radiol (Mosk)** 1984 Jul; 29(7):63–4 **(Rus)**

[Diagnosis of phlegmons and abscesses of the maxillofacial area by the combined use of the methods of thermography and of determining tissue oxygen tension and oxidative-reductive potential] Liuliakin AI. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):26–8 (Eng. Abstr.) **(Rus)**

[Liquid-crystal thermography in the diagnosis of acute pneumonia] Asmolov AK. **Ter Arkh** 1984;56(3):100–2 (Eng. Abstr.) **(Rus)**

[Value of liquid crystal thermography in the diagnosis of acute lactation mastitis] Udod VM, et al. **Vestn Khir** 1983 Dec;131(12):45–7 (Eng. Abstr.) **(Rus)**

STANDARDS

[The consistency of thermographic findings in the breast (with a proposal for lowering the radiation load in repeated mammographies)] Pflanzer K, et al. **Wien Klin Wochenschr** 1983 Aug 5;95(15):525–8 (Eng. Abstr.) **(Ger)**

THERMOGRAVIMETRY see under **CHEMISTRY, ANALYTICAL**

THERMOLUMINESCENT DOSIMETRY

Increased thermoluminescence in lithium fluoride by brief pre-heating. Hochheiser E, et al. **Health Phys** 1984 Feb; 46(2):417–8

Dosimetry of rotational photon fields with gravity-oriented eye blocks. Engler MJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar;10(3):431–8

[Thermoluminescent dosimetric measurements of doses to the bladder and rectum during gynecologic afterloading contact therapy] Ehrhardt M, et al. **Radiobiol Radiother (Berl)** 1984;25(2):247–54 (Eng. Abstr.) **(Ger)**

[Clinical dosimetry and thermoluminescence] Furetta C. **Ann Ist Super Sanita** 1982;18(3):577–86 (43 ref.) (Eng. Abstr.) **(Ita)**

[Individual irradiation dosages of certain personnel groups] Alekseeva VA, et al. **Gig Sanit** 1983 Jul;(7):93–4 **(Rus)**

INSTRUMENTATION

Preparation and dosimetric properties of a highly sensitive CaSO4:Dy thermoluminescent dosimeter. Azorin J, et al. **Health Phys** 1984 Feb;46(2):269–74

The effect of ultra-violet and visible radiation on CaSO4:Dy in Teflon discs used for personnel gamma-radiation monitoring. Calvert RL, et al. **Health Phys** 1984 Feb; 46(2):275–81

Environmental radiation monitoring with thermoluminescent dosimeters. Hoy JE. **Health Phys** 1971 Dec;21(6):860–2

A new X-ray TLD phosphor. Rao RP, et al. **Health Phys** 1983 Nov;45(5):1001–2

Measurement of the effective dose equivalent in a nuclear reactor environment with a personal thermoluminescent dosimeter. Walsh ML, et al. **Health Phys** 1984 Jan; 46(1):55–64

A high sensitivity LiF thermoluminescent dosimeter—LiF(Mg, Cu, P). Wu DK, et al. **Health Phys** 1984 May;46(5):1063–7

Mailed TL dosimeters for monitoring the output from diagnostic x-ray equipment. Servomaa A, et al. **Med Phys** 1984 Jan–Feb;11(1):75–7

Response of thermoluminescence dosemeters to beta radiation and skin dose assessment. Contento G, et al. **Phys Med Biol** 1984 Jun;29(6):661–78

METHODS

Estimation of accidental gamma dose by means of thermoluminescence from watch jewels. Majborn B. **Health Phys** 1984 Apr;46(4):917–9

Simultaneous estimation of exposure and time elapsed since exposure using multipeaked thermoluminescent phosphors. Spurný Z. **Health Phys** 1971 Dec;21(6):755–61

The application of CaSO4:Dy (TLD-900) to diagnostic x-ray exposures. Niroomand-Rad A, et al. **Med Phys** 1983 Sep–Oct;10(5):691–4

Diagnostic radiation exposure in trauma patients. Fitzgerald RH, et al. **South Med J** 1983 Dec;76(12):1511–4

[New color-photographic observation of thermoluminescence of sliced rock samples] Hashimoto T, et al. **Radioisotopes** 1983 Nov;32(11):525–32 (Eng. Abstr.) **(Jpn)**

STANDARDS

An intercomparison of personnel monitoring services in Australia. Morris ND, et al. **Australas Phys Eng Sci Med** 1983 Jul–Sep;6(3):143–6

Performance testing of the environmental TLD system for the Three Mile Island Nuclear Station. Toke LF, et al. **Health Phys** 1984 May;46(5):1013–20

THERMOLYSIN

Domain characteristics of the carboxyl-terminal fragment 206–316 of thermolysin. Fontana A, et al. **Biopolymers** 1983 Jan;22(1):69–78

Studies on the chemical modification of tryptophan residues in thermolysin and in talopeptin (MKI) with N-bromosuccinimide. Kitagishi K, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):129–35

ANTAGONISTS & INHIBITORS

Phosphonamidates as transition-state analogue inhibitors of thermolysin. Bartlett PA, et al. **Biochemistry** 1983 Sep 27; 22(20):4618–24

METABOLISM

Differential scanning calorimetry of alpha 2-macroglobulin. Chlebowski JF, et al. **Ann NY Acad Sci** 1983;421:156–7

The unfolding mechanism of thermolysin. Corbett RJ, et al. **Biopolymers** 1983 Jan;22(1):101–5

Pressure dependence of thermolysin catalysis. Fukuda M, et al. **Eur J Biochem** 1984 Aug 1;142(3):565–70

Binding between thermolysin and its specific inhibitor, phosphoramidon. Kitagishi K, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):529–34

Identification of a thermolysin-like metalloendopeptidase in serum: activity in normal subjects and in patients with sarcoidosis. Almenoff J, et al. **J Lab Clin Med** 1984 Mar; 103(3):420–31

Biochemical and immunological properties of a membrane-bound brain metalloendopeptidase: comparison with thermolysin-like kidney neutral metalloendopeptidase. Almenoff J, et al. **J Neurochem** 1984 Jan;42(1):151–7

THERMOMETERS

Liquid crystal thermometry during anaesthesia. Lacoumenta S, et al. **Anaesthesia** 1984 Jan;39(1):54–6

Electrocardiogram and temperature telemetry equipment for use in laboratory animals permitting long time measurement and improved noise suppression. Plonait H, et al. **Biomed Tech (Berlin)** 1984 Feb;29(1–2):13–8

An automatic electronic device (Rite Time) to detect the onset of the infertile period by basal body temperature measurements. Royston JP, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):565–73

Comparison of accuracy of digital and standard mercury

thermometers [letter] Collins KJ, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1549–50

Comparison of accuracy of digital and standard mercury thermometers. Shanks NJ, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1263

Fiberendoscopic removal of ingested thermometers: a case report. Jonas SK. **Del Med J** 1984 Jun;56(6):357–8

Thermal dosimetry: four aspects. Cetas TC, et al. **Front Radiat Ther Oncol** 1984;18:75–82

Construction and position verification of a thermocouple esophageal temperature probe. Mekjavic IB, et al. **IEEE Trans Biomed Eng** 1984 Jun;31(6):486–8

Multiple sensor optical thermometry system for application in clinical hyperthermia. Vaguine VA, et al. **IEEE Trans Biomed Eng** 1984 Jan;31(1):168–72

The perfusometer: an instrument for assessing the condition of critically ill patients. Bisera J, et al. **Med Instrum** 1984 Mar–Apr;18(2):134–6

Historical development and newer means of temperature measurement in biochemistry. Berger RL, et al. **Methods Biochem Anal** 1984;30:269–331 (105 ref.)

[A multifrequency radiometer for medical use] Vrba J, et al. **Bratisl Lek Listy** 1983 Dec;80(6):701–7 (Eng. Abstr.) **(Cze)**

[Thermometric studies using internally cooled and uncooled burs on the jaws and teeth] Kirschner H, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):30–2 (Eng. Abstr.) **(Ger)**

[Thermometry in experimental inflammation. I. Studies on the circadian rhythm of the paw temperature in healthy rats and temperature behavior in acute inflammation after injection of kaolin, carrageenin and dextran] Kessler F, et al. **Z Rheumatol** 1983 Nov–Dec;42(6):337–42 (Eng. Abstr.) **(Ger)**

[Comparative temperature measurement by thermoprobes and infrared pyrometry in the rewarming of frozen kidneys using short wave generators] Schabel J, et al. **Z Urol Nephrol** 1984 Jan;77(1):19–23 (Eng. Abstr.) **(Ger)**

[Method of prolonged precision thermometry of the brain structures of animals in chronic experiments] Iaichnikov IK. **Fiziol Zh SSSR** 1984 Jan;70(1):91–3 **(Rus)**

[A device for intraoperative control of the myocardial temperature] Malyshev IuI, et al. **Grudn Khir** 1983 Nov–Dec;(6):60–2 **(Rus)**

[Cutaneous thermometry of the anterior abdominal wall in emergency surgery] Svitich IuM, et al. **Klin Khir** 1984 Apr;(4):55 **(Rus)**

[Method of measuring human body temperature with a decimeter radiothermometer] Troitskiĭ VS, et al. **Med Tekh** 1984 May–Jun;(3):5–6 (Eng. Abstr.) **(Rus)**

[Methodology of functional–loading pneumothermometry] Agarkov FT, et al. **Vrach Delo** 1983 Oct;(10):46–9 (1 ref.) (Eng. Abstr.) **(Rus)**

HISTORY

A history of clinical thermometry. McLaury RL. **J Okla State Med Assoc** 1983 Dec;76(12):420–6

STANDARDS

Bacterial contamination of sheathed thermometers [letter] Soltero DJ, et al. **J Fam Pract** 1984 Feb;18(2):202–4

The effect of type of thermometer and length of time inserted on oral temperature measurements of afebrile subjects. Baker NC, et al. **Nurs Res** 1984 Mar–Apr;33(2):109–11

THERMORECEPTORS

PHYSIOLOGY

Suppression of C-fibre discharges upon repeated heat stimulation may explain characteristics of concomitant pain sensations. Adriaensen H, et al. **Brain Res** 1984 Jun 8; 302(2):203–11

Evidence for peripheral, but not central modulation of trigeminal cold receptive cells in the rat. Davies SN. **Brain Res** 1984 Jun 3;301(2):299–305

Differences in thermal responses of cat trigeminal ganglion 'cold' receptors under urethane and pentobarbital anesthetization. Hirata H, et al. **Brain Res** 1984 Feb 6; 292(2):387–9

Effects of preoptic thermal stimulation on electrical activities of neurosecretory cells in paraventricular and periventricular nuclei of the hypothalamus. Matsumura K, et al. **Brain Res** 1983 Dec 19;289(1–2):330–3

Nerve fibre discharges, cerebral potentials and sensations induced by CO2 laser stimulation. Bromm B, et al. **Hum Neurobiol** 1984;3(1):33–40

Peripheral neural correlates of temperature sensations in man. Konietzny F. **Hum Neurobiol** 1984;3(1):21–32

Spatial and temporal integration in primary trigeminal nucleus of rattlesnake infrared system. Stanford LR, et al. **J Neurophysiol** 1984 May;51(5):1077–90

Facial sensitivity to rates of temperature change: neurophysiological and psychophysical evidence from cats and humans. Davies SN, et al. **J Physiol (Lond)** 1983 Nov; 344:161–75

Contribution of skin thermal sensitivities of large body areas to sweating response. Libert JP, et al. **Jpn J Physiol** 1984; 34(1):75–88

Response of glucose-responsive ventromedial hypothalamic neurons to scrotal and preoptic thermal stimulation in rats. Nakayama T, et al. **Neurosci Lett** 1984 Mar 23;45(2):129–34

The dynamic properties of trigeminal thermoreceptors following heat–rearing in rats. Young AA, et al. **Pflugers Arch** 1984 Jun;401(2):213–5

[Role of temporal parameters of the interspike interval in temperature coding] Poliakov AM, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1108–12 **(Rus)**

[Cardiovascular effects of the stimulation of surface and central thermoreceptors in a sauna] Kuz'menko VA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb;(1):46–8 **(Rus)**

PHYSIOPATHOLOGY

Relation between intradental nerve activity and estimated pain in man—a mathematical model. Fors U, et al. **Pain** 1984 Apr;18(4):397–408

ULTRASTRUCTURE

The coelocapitular sensillum, an antennal hygro- and thermoreceptive sensillum of the honey bee, Apis mellifera L. Yokohari F. **Cell Tissue Res** 1983;233(2):355–65

Fine structure and organization of the infrared receptor relays: lateral descending nucleus of V in Boidae and nucleus reticularis caloris in the rattlesnake. Meszler RM. **J Comp Neurol** 1983 Nov 1;220(3):299–309

THERMOREGULATION see **BODY TEMPERATURE REGULATION**

THERMOTHERAPY see **HYPERTHERMIA, INDUCED**

THERMUS

Comparative structural analysis of eubacterial 5S rRNA by oxidation of adenines in the N–1 position. Pieler T, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3115–26

ANALYSIS

Purification and characterization of the Rieske iron–sulfur protein from Thermus thermophilus. Evidence for a [2Fe–2S] cluster having non–cysteine ligands. Fee JA, et al. **J Biol Chem** 1984 Jan 10;259(1):124–33

ENZYMOLOGY

Interactions of calcium and other metal ions with caldolysin, the thermostable proteinase from Thermus aquaticus strain T351. Khoo TC, et al. **Biochem J** 1984 Jul 15;221(2):407–13

A highly thermostable proline:tRNA ligase from Thermus aquaticus. Purification and enzyme–tRNA recognition at elevated temperatures. Rivera JA, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):507–15

Thermostable valyl-tRNA, isoleucyl-tRNA and methionyl-tRNA synthetases from an extreme thermophile Thermus thermophilus HB8: protein structure and Zn2+ binding. Kohda D, et al. **FEBS Lett** 1984 Aug 20; 174(1):20–3

Inorganic pyrophosphatase—II. Purification and studies of some properties of the enzyme isolated from thermophylic bacterium Thermus flavus 70 K. Kasho VN, et al. **Int J Biochem** 1984;16(3):315–21

Reversible denaturation of thermophilic malate dehydrogenase by guanidine hydrochloride and acid. Iijima S, et al. **J Biochem (Tokyo)** 1984 May;95(5):1273–81

Manganese and iron superoxide dismutases are structural homologs. Stallings WC, et al. **J Biol Chem** 1984 Sep 10; 259(17):10695–9

Thermophilic DNA ligase. Purification and properties of the enzyme from Thermus thermophilus HB8. Takahashi M, et al. **J Biol Chem** 1984 Aug 25;259(16):10041–7

Respiratory proteins from the extremely thermophilic aerobic bacterium, Thermus thermophilus. Purification procedures for cytochromes c552, c555,549, and c1aa3 and chemical evidence for a single subunit cytochrome aa3. Yoshida T, et al. **J Biol Chem** 1984 Jan 10;259(1):112–23

Studies on cytochrome c oxidase activity of the cytochrome c1aa3 complex from Thermus thermophilus. Yoshida T, et al. **J Biol Chem** 1984 Jan 25;259(2):1031–6

A second type II restriction endonuclease from Thermus aquaticus with an unusual sequence specificity. Barker D, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5567–81

Aminoacyl–tRNA synthetases from an extreme thermophile, Thermus thermophilus HB8. Kohda D, et al. **Nucleic Acids Symp Ser** 1983;(12):153–4

Effect of various compounds on enkephalin hydrolysis by an aminopeptidase from the thermophiles Thermomonospora fusca ATCC 27730 and Thermus thermophilus ATCC 27634. Weiss B, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):149–55

[Selection of a culture forming alkaline phosphatase from thermophilic bacteria in the genus Thermus] Egorova LA, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):242–5 (Eng. Abstr.) **(Rus)**

GENETICS

Electron microscopy mapping of Escherichia coli RNA polymerase–binding sites on plasmids from thermophilic bacteria. Gonzalez B, et al. **DNA** 1984 Jun;3(3):251–7

High guanine plus cytosine content in the third letter of codons of an extreme thermophile. DNA sequence of the isopropylmalate dehydrogenase of Thermus thermophilus. Kagawa Y, et al. **J Biol Chem** 1984 Mar 10;259(5):2956–60

The number of ribosomal RNA genes in Thermus thermophilus HB8. Ulbrich N, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):2055–60

METABOLISM

Studies of the ferredoxin from Thermus thermophilus. Hille R, et al. **J Biol Chem** 1983 Nov 10;258(21):13008–13

THEROPITHECUS GELADA see under **CERCOPITHECIDAE**

THESES see **DISSERTATIONS, ACADEMIC**

THETA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

THIABENDAZOLE

PHARMACODYNAMICS

The association between frequency of thiabendazole treatment and the development of resistance in field isolates of Ostertagia spp. of sheep. Martin PJ, et al. **Int J Parasitol** 1984 Apr;14(2):177–81

Uptake of thiabendazole and its effects on glucose uptake and carbohydrate levels in the thiabendazole-resistant and susceptible Trichostrongylus colubriformis. Sangster NC, et al. **Int J Parasitol** 1984 Apr;14(2):121–6

Respiratory metabolism and thiabendazole susceptibility in developing eggs of Haemonchus contortus. Weston KM, et al. **Int J Parasitol** 1984 Apr;14(2):159–64

Effect of thiabendazole on the migration of Toxocara canis larvae in the mouse. Abdel-Hameed AA. **J Parasitol** 1984 Apr;70(2):226–31

A comparison of the effects of flubendazole and thiabendazole on the larvae of Angiostrongylus cantonensis, Trichinella spiralis, Diphyllobothrium erinacei and Hymenolepis nana in mice. Maki J, et al. **Parasitology** 1983 Dec;87 (Pt 3):525–31

THERAPEUTIC USE

Thiabendazole–induced suppression of renal damage in a murine model of autoimmune disease. Elgebaly SA, et al. **Am J Pathol** 1984 May;115(2):204–11

A method for the determination of drug effectiveness in onychomycosis. Trials with ketoconazole and griseofulvin ultramicrosize. Zaias N, et al. **J Am Acad Dermatol** 1983 Dec;9(6):912–9

Nasal aspergillosis and penicilliosis in dogs: results of treatment with thiabendazole. Harvey CE. **J Am Vet Med Assoc** 1984 Jan 1;184(1):48–50

Experimental treatment of Gnathostoma spinigerum infection in mice with thiabendazole. Yingyourd P, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):560–1

A case of chromomycosis treated with thiabendazole. Ollé-Goig JE, et al. **Trans R Soc Trop Med Hyg** 1983; 77(6):773–4

A comparison between the efficacy of thiabendazole and febantel on experimental trichinellosis in rats. Alcaíno HA, et al. **Vet Parasitol** 1984 Mar;14(2):153–7

The elimination of equine strongyles and hematological and pathological consequences following larvicidal doses of thiabendazole. Hopfer SM, et al. **Vet Parasitol** 1984 Jan; 14(1):21–32

Prevalence of anthelmintic resistant nematodes in sheep in south–east England. Cawthorne RJ, et al. **Vet Rec** 1984 Jun 9;114(23):562–4

[Chromomycosis. Treatment with a combination of thiabendazole and 5–fluorocytosine, 6–year follow–up] Solano E, et al. **Med Cutan Iber Lat Am** 1983;11(6):413–8 (Eng. Abstr.) **(Spa)**

TOXICITY

Effects of diphenyl, o–phenylphenol and 2–(4'–thiazolyl)benzimidazole on growth of cultured mammalian cells. Mochida K, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):428–31

Teratogenicity of thiabendazole in ICR mice. Ogata A, et al. **Food Chem Toxicol** 1984 Jul;22(7):509–20

THIACETAZONE

ADMINISTRATION & DOSAGE

Operational evaluation of treatment for tuberculosis. Results of a 'standard' 12–month regimen in Peru. Hopewell PC, et al. **Am Rev Respir Dis** 1984 Mar;129(3):439–43

[Experimental study of thiacetazone in the treatment of tuberculosis. II. Determination of serum thiacetazone levels after oral administration of various doses] Gao DZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):225–7 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Severe cutaneous drug reactions: case reports. Herold M, et al. **Ethiop Med J** 1983 Oct;21(4):227–32

Diffuse toxic alopecia due to thiacetazone. Gupta DK, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar;25:74–5

Coexistence of fixed drug eruptions and Stevens Johnson syndrome due to thiacetazone in a patient of pulmonary tuberculosis. Gupta PK, et al. **Indian J Chest Dis Allied Sci** 1983 Apr-Jun;25(2):152-4

ANALYSIS

HIgh-performance liquid chromatographic determination of thiacetazone in body fluids. Jenner PJ. **J Chromatogr** 1983 Sep 9;276(2):463-70

METABOLISM

A study of thiacetazone blood levels and urinary excretion in man, using high performance liquid chromatography. Jenner PJ, et al. **Lepr Rev** 1984 Jun;55(2):121-8

PHARMACODYNAMICS

Drug sensitivity patterns of Mycobacterium tuberculosis isolated in Addis Ababa. Lemma E, et al. **Ethiop Med J** 1984 Apr;22(2):93-6

[Basic research of thiacetazone in the treatment of tuberculosis. I. Susceptibility of tubercle bacilli isolated from pulmonary tuberculosis patients to thiacetazone] Gao DZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):171-3 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Lupus vulgaris resistant to streptomycin, isoniazid and thiacetazone. A case report. Lal S, et al. **Indian J Dermatol** 1983 Jul;28(3):117-9

THIADIAZINES see under **THIAZINES**

THIADIAZOLES

CHEMICAL SYNTHESIS

Some reactions of 2-aryl-4-chloromethyl-1,3,4-thiadiazoline-5-thiones. El-Barbary AA, et al. **Arch Pharm (Weinheim)** 1984 Jun; 317(6):547-55

Synthesis of some 1.3.4-thiadiazoles of possible antimicrobial activity. el-Dine SA, et al. **Pharmazie** 1984 Feb;39(2):101-3

[Compounds with presumable antitumor activity. II. 2-Substituted 3-(2-thiazolyl) and 3-[2-(1,3,4,-thiadizolyl)]-4-thiazolidinones] Grasso S, et al. **Farmaco [Sci]** 1984 Jun;39(6):505-13 (Eng. Abstr.) **(Ita)**

[A new nitrogen-containing polycyclic system. Synthesis and pharmacologic properties of benzofuran and thienothiadiazolepyrimidine derivatives. I] Russo F, et al. **Farmaco [Sci]** 1983 Oct;38(10):762-74 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Function of proximal tubule carbonic anhydrase defined by selective inhibition. Lucci MS, et al. **Am J Physiol** 1983 Oct;245(4):F443-9

The effect of aminothiadiazole on glycogenesis and glycogenolysis in fetal and neonatal rat liver. Beaudoin AR. **Teratology** 1983 Dec;28(3):369-74

[Molecular mechanisms of the radioprotective action of benzothiadiazole derivatives] Vladimirov VG, et al. **Radiobiologiia** 1983 Sep-Oct;23(5):616-9 (Eng. Abstr.) **(Rus)**

THIAMBUTENE see under **THIOPHENES**

THIAMBUTOSINE see under **PHENYLTHIOUREA**

THIAMINE

Degradation kinetics of thiamine HCl in solutions subjected to sterilization by heat, in relation to the microbial decontamination kinetics. Lencioni E, et al. **Boll Chim Farm** 1983 Dec;122(12):598-603

Stability of thiamin in parenteral nutrition solutions. Bowman BB, et al. **JPEN** 1983 Nov-Dec;7(6):567-8

[Studies on two crystalline of thiamine hydrochloride and their stability] Ma JH, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):938-44 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Thiamine omitted from ACEP ALS medications document [letter] **Ann Emerg Med** 1984 Jan;13(1):71-2

Vitamin supplement to alcoholic beverages [letter] Weller MP. **Br J Psychiatry** 1984 Mar;144:329

Vitamin nutrition in patients on continuous ambulatory peritoneal dialysis (CAPD). Blumberg A, et al. **Clin Nephrol** 1983 Nov;20(5):244-50

Relationship among carbohydrate loading, elevated thiamine intake cardiovascular endurance of conditioned mice. McNeill AW, et al. **J Sports Med Phys Fitness** 1983 Sep; 23(3):257-62

The use of directly compressible vehicles for the preparation of vitamin B1 tablets. El Sabbagh HM, et al. **Pharmazie** 1984 Apr;39(4):237-9

[Rheographic studies in intranasal electrophoresis] Merdzhanova SG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):19-21 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Thiamine phosphorylated derivatives and bioelectrogenesis. Schoffeniels E. **Arch Int Physiol Biochim** 1983 Sep; 91(3):233-42 (37 ref.)

Enzyme system involved in the synthesis of thiamin triphosphate. I. Purification and characterization of protein-bound thiamin diphosphate: ATP phosphoryltransferase. Nishino K, et al. **J Biol Chem** 1983 Oct 10;258(19):11871-8

The attempted enrichment of beer with thiamine alkyl disulphides. Crane S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):381-7

Altered thiamine propyl disulfide metabolism in rats with liver injury induced by carbon tetrachloride and D-galactosamine. Yamano S, et al. **J Pharmacobiodyn** 1983 Apr;6(4):232-8

[Use of new compound with thiamine activity in the treatment of peripheral neuropathies of rheumatologic significance] Sabatini A, et al. **Clin Ter** 1983 Oct 31; 107(2):103-8 (Eng. Abstr.) **(Ita)**

[Thiamin triphosphate and Leigh's disease] Nishino K. **Rinsho Shinkeigaku** 1983 Dec;23(12):1097-9 (Eng. Abstr.) **(Jpn)**

[Interrelation between the content of thiamine phosphates and pyruvate dehydrogenase activity in the liver of rats with intensified lipogenesis] Parkhomenko IuM, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):517-22 (Eng. Abstr.) **(Rus)**

ANALYSIS

A quick and simple bioassay system for effectors of cell metabolism using biospecifically immobilized cells: assay of thiamine and amphotericin using yeast cells. Mattiasson B, et al. **Acta Chem Scand [B]** 1983;37(7):649-51

Comparative assessment of high-performance liquid chromatographic methods for the determination of ascorbic acid and thiamin in foods. Nicolson IA, et al. **Analyst** 1984 Mar;109(3):267-71

The HPLC analysis of thiamine in milk chocolate. Hurst WJ, et al. **Int J Vitam Nutr Res** 1983;53(3):239-42

Determination of thiamine and thiamine phosphates in excitable tissues as thiochrome derivatives by reversed-phase high-performance liquid chromatography on octadecyl silica. Bontemps J, et al. **J Chromatogr** 1984 May 11;307(2):283-94

High-performance liquid chromatographic analysis of thiamine in rice flour with fluorimetric post-column derivatization. Ohta H, et al. **J Chromatogr** 1984 Jan 27; 284(1):281-4

Quantitative analysis of total thiamine in human blood, milk and cerebrospinal fluid by reversed-phase ion-pair high-performance liquid chromatography. Wielders JP, et al. **J Chromatogr** 1983 Oct 14;277:145-56

Effect of several heat treatments and frozen storage on thiamine, riboflavin, and ascorbic acid content of milk. Haddad GS, et al. **J Dairy Sci** 1983 Aug;66(8):1601-6

[Vitamin B1-selective electrode] Yao SZ, et al. **Yao Hsueh Hsueh Pao** 1983 Aug;18(8):612-8 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

Thiamin antagonists and the release of acetylcholine and norepinephrine from brain slices. Hirsch JA, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2325-7

BIOSYNTHESIS

Precursor of carbon atom five and hydroxymethyl carbon atom of the pyrimidine moiety of thiamin in Escherichia coli. Yamada K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):389-98

BLOOD

Thiamine concentration in liver disease [letter] Anderson SH, et al. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):628

Blood thiamine and thiamine phosphate ester concentrations in alcoholic and non-alcoholic liver diseases. Dancy M, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):79-82

Determination of thiamin and thiamin phosphate esters in blood by liquid chromatography with post-column derivatization. Kimura M, et al. **Clin Chem** 1983 Dec; 29(12):2073-5

Clinical chemical methods for the routine assessment of the vitamin status in human populations. Part II: The water-soluble vitamins B1, B2 and B6. Vuilleumier JP, et al. **Int J Vitam Nutr Res** 1983;53(4):359-70

Elevated thiamine levels in SIDS, non-SIDS, and adults: postmortem artifact. Wyatt DT, et al. **J Pediatr** 1984 Apr; 104(4):585-8

[Effect of methylguanidine, guanidinoacetic acid and ornithine on penetration of thiamine hydrochloride through human erythrocyte membrane] Zygmunt K. **Pol Tyg Lek** 1984 Mar 19;39(12):399-402 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Phosphate derivatives of thiamine and Na+ channel in conducting membranes. Schoffeniels E, et al. **J Neurochem** 1984 Jul;43(1):269-71

Purification and some properties of thiamine-binding protein from rice bran. Nishimura H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):1-10

METABOLISM

Thiamin absorption by small intestine. Rindi G. **Acta Vitaminol Enzymol** 1984;6(1):47-55

Thiamin in the elderly—relation to alcoholism and to neurological degenerative disease. Iber FL, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1067-82 (128 ref.)

Role of predominant rumen bacteria in the cause of polioencephalomalacia (cerebrocortical necrosis) in cattle. Haven TR, et al. **Am J Vet Res** 1983 Aug;44(8):1451-5

A method for determining binding kinetics applied to thiamine-binding protein. Nishimura H, et al. **Anal Biochem** 1984 Jun;139(2):373-6

Transport of thiamine and 4-methyl-5-hydroxyethylthiazole by Salmonella typhimurium. Bellion E, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):331-6

Nervous tissue thiamine metabolism in vivo. I. Transport of thiamine and thiamine monophosphate from plasma to different brain regions of the rat. Reggiani C, et al. **Brain Res** 1984 Feb 20;293(2):319-27

Nervous tissue thiamine metabolism in vivo. II. Thiamine and its phosphoesters dynamics in different brain regions and sciatic nerve of the rat. Rindi G, et al. **Brain Res** 1984 Feb 20;293(2):329-42

The effect of nitrofurazone on the thiamin status of chickens. Ali BH. **Comp Biochem Physiol [C]** 1983;76(1):131-4

The significance of ascorbic acid, thiamin and retinol in cancer. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:105-18

Thiamin depletion after ethanol and acetaldehyde administration to rabbits. Takabe M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Oct;29(5):509-14

Thiamin—the interaction of aging, alcoholism, and malabsorption in various populations. Baum RA, et al. **World Rev Nutr Diet** 1984;44:85-116 (150 ref.)

[Changes in the cAMP content in the intestinal and liver tissue and in 35S-thiamine transport in chickens fed a low-protein diet] Bokhorov O, et al. **Vet Med Nauki** 1984; 21(3):48-57 (Eng. Abstr.) **(Bul)**

[Intake and metabolism of vitamin B1 in the aged] Itokawa Y. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):90-6 **(Jpn)**

[Interrelation between the content of thiamine phosphates and pyruvate dehydrogenase activity in the liver of rats with intensified lipogenesis] Parkhomenko IuM, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):517-22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of different doses of thiamine on the formation of free ammonia in the rat brain cortex slices. Dostálová K, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:207-12

Influence of dietary thiamin on phenobarbital induction of rat hepatic enzymes responsible for metabolizing drugs and carcinogens. Wade AE, et al. **Drug Nutr Interact** 1983; 2(2):117-30

Correction of defective chemotaxis with thiamine in Shwachman-Diamond syndrome [letter] Szüts P, et al. **Lancet** 1984 May 12;1(8385):1072-3

Protection against misonidazole-induced neuropathy in rats: a biochemical assessment. Rose GP, et al. **Toxicol Lett** 1983 Jun;17(1-2):181-5

[Prostaglandins and 3',5'-AMP in rat tissues following administration of thiamine and its derivatives] Buko VU, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):453-6 (Eng. Abstr.) **(Rus)**

[Effect of thiamine on the activity of the pyruvate dehydrogenase complex in rat liver following stimulation of lipogenesis] Parkhomenko IuM, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):408-14 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Thiamine and the central nervous system] Nakazawa T. **Rinsho Shinkeigaku** 1983 Dec;23(12):1094-6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Shoshin beriberi: report of two successfully treated patients with hemodynamic documentation. Pereira VG, et al. **Am J Cardiol** 1984 May 15;53(10):1467

Thiamine-dependent beriberi in the 'thiamine-responsive anemia syndrome'. Mandel H, et al. **N Engl J Med** 1984 Sep 27;311(13):836-8

[Condition of redox processes in myocardial infarction and their correction] Miagkov II, et al. **Kardiologiia** 1984 May; 24(5):104-6 **(Rus)**

URINE

[Body vitamin C, B1 and B2 allowances for female hothouse workers] Sviatoslavova VV, et al. **Gig Sanit** 1984 Feb; (2):59-61 **(Rus)**

THIAMINE DEFICIENCY

BLOOD

Trypanosoma lewisi: pyruvate and transketolase activity in normal and thiamine deficient rats. Lee CM, et al.

Int J Biochem 1984;16(6):699–702

COMPLICATIONS

Low energy levels in thiamine-deficient encephalopathy. Aikawa H, et al. **J Neuropathol Exp Neurol** 1984 May; 43(3):276–87

Thiamine deficiency as cause of hepatorenal syndrome [letter] Anderson SH. **Lancet** 1984 Sep 15;2(8403):644

The severe lacticacidosis of thiamine deficiency: acute pernicious or fulminating beriberi. Campbell CH. **Lancet** 1984 Aug 25;2(8400):446–9

Lacticacidosis of thiamine deficiency [letter] Dalgleish AG. **Lancet** 1984 Sep 15;2(8403):644

DIAGNOSIS

The usefulness of the measurement of red blood cell enzyme activation in the detection of vitamin B1, B2 and B6 deficiency. Baines M.
Int Z Vitam Ernahrungsforsch [Beih] 1983;24:69–75

Vitamin B1, B2, B6 and C status in the elderly. Keatinge AM, et al. **Ir Med J** 1983 Dec;76(12):488–90

Thiamin—the interaction of aging, alcoholism, and malabsorption in various populations. Baum RA, et al. **World Rev Nutr Diet** 1984;44:85–116 (150 ref.)

ENZYMOLOGY

Biochemical vitamin deficiencies in Friedreich's ataxia [letter] Gledhill RF, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):111–2

FAMILIAL & GENETIC

[Mitochondrial myopathy with increased blood lactate and pyruvate levels among siblings in familial thiamine deficiency] Sato Y, et al. **Rinsho Shinkeigaku** 1983 Aug; 23(8):668–77 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of dietary thiamin deficiency on intestinal functions in rats. Mahmood S, et al. **Am J Clin Nutr** 1984 Aug; 40(2):226–34

Effect of pyrithiamine treatment on potassium ion fluxes in rat cortical slices. Gale JM, et al.
Biochim Biophys Acta 1984 Jun 13;773(1):125–31

Lactate and pyruvate production in isolated thiamine-deficient rat diaphragm strips. Lubek BM, et al. **Can J Physiol Pharmacol** 1984 Mar;62(3):277–81

Metabolic and histological reversibility of thiamine deficiency. Hakim AM, et al.
J Cereb Blood Flow Metab 1983 Dec;3(4):468–77

Impairment of acetylcholine synthesis in thiamine deficient rats developed by prolonged tea consumption. Ruenwongsa P, et al. **Life Sci** 1984 Jan 23;34(4):365–70

[Peculiarities of carbohydrate metabolism in the rat liver due to the limited accessibility of thiamine] Gorbach ZV, et al. **Biokhimiia** 1983 Nov;48(11):1778–82 (Eng. Abstr.) **(Rus)**

[Peculiarities of nucleotide and nucleic acid metabolism in hydroxythiamine-induced vitamin B1 deficiency] Khokha AM, et al. **Biokhimiia** 1984 Mar;49(3):361–9 (Eng. Abstr.) **(Rus)**

[Functioning of the oxidizing phase of the pentosephosphate pathway in rat liver in the development of vitamin B1 deficiency in the animals] Gorbach ZV, et al.
Vopr Med Khim 1983 Sep–Oct;29(5):36–41 (Eng. Abstr.) **(Rus)**

[Phospholipids in the liver and brain of animals in acute oxythiamine-induced avitaminosis B1] Pavlenia AK, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):73–6 (Eng. Abstr.) **(Rus)**

[Degradation of thiamine diphosphate in subcellular fractions of mouse liver in the dynamics of the development of alimentary B1-avitaminosis] Tumanov VN, et al.
Vopr Med Khim 1983 Jul–Aug;29(4):99–102 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Thiamin in the elderly—relation to alcoholism and to neurological degenerative disease. Iber FL, et al.
Am J Clin Nutr 1982 Nov;36(5 Suppl):1067–82 (128 ref.)

PATHOLOGY

Neuropathologic changes in suckling and weanling rats with pyrithiamine-induced thiamine deficiency. Horita N, et al. **Acta Neuropathol (Berl)** 1983;61(1):27–35

Blood-brain barrier dysfunction in thiamine-deficient, alcohol-treated rats. Phillips SC, et al.
Acta Neuropathol (Berl) 1984;62(3):235–41

[Neuropathology of Wernicke's encephalopathy and experimental thiamine deficiency] Miyoshi K, et al.
Rinsho Shinkeigaku 1983 Dec;23(12):1107–9 (Eng. Abstr.) **(Jpn)**

[Experimental thiamine deficiency] Watanabe I.
Rinsho Shinkeigaku 1983 Dec;23(12):1100–3 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of histaminergic drugs on muricide induced by thiamine deficiency. Onodera K, et al. **Jpn J Pharmacol** 1984 Jan;34(1):15–21

PSYCHOLOGY

Widespread neuroanatomical damage and learning deficits following chronic alcohol consumption or vitamin-B1 (thiamine) deficiency in rats. Irle E, et al.
Behav Brain Res 1983 Sep;9(3):277–94

VETERINARY

[Cerebrocortical necrosis in calves, sheep and goats] Nikov S, et al. **Vet Med Nauki** 1983;20(3–4):58–67 (Eng. Abstr.) **(Bul)**

THIAMINE DIPHOSPHATE see **THIAMINE PYROPHOSPHATE**

THIAMINE MONOPHOSPHATE see under **THIAMINE**

THIAMINE PYROPHOSPHATASE see under **PYROPHOSPHATASES**

THIAMINE PYROPHOSPHATE

ANALOGS & DERIVATIVES

Interaction of thiamin diphosphate and thiamin thiazolone diphosphate with wheat germ pyruvate decarboxylase. Kluger R, et al. **J Biol Chem** 1984 Jul 25;259(14):8960–5

ANTAGONISTS & INHIBITORS

Escherichia coli pyruvate dehydrogenase complex. Thiamin pyrophosphate-dependent inactivation by 3-bromopyruvate. Apfel MA, et al. **J Biol Chem** 1984 Mar 10;259(5):2905–9

BLOOD

[Transketolase activity and thiamine diphosphate content in oncological patients] Trebukhina RV, et al.
Vopr Med Khim 1983 Sep–Oct;29(5):100–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Thiamine pyrophosphatase and nucleoside diphosphatase in rat brain. Sano S, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):292–8

Elementary steps in the reaction of the pyruvate dehydrogenase complex from pig heart. Kinetics of thiamine diphosphate binding to the complex. Sümegi B, et al. **Eur J Biochem** 1983 Nov 2;136(2):347–53

[Enzyme activity of thiamine pyrophosphate in the rat after oxythiamine administration] Strumilo SA, et al.
Biull Eksp Biol Med 1983 Nov;96(11):42–4 (Eng. Abstr.) **(Rus)**

[Interrelation between the content of thiamine phosphates and pyruvate dehydrogenase activity in the liver of rats with intensified lipogenesis] Parkhomenko IuM, et al.
Ukr Biokhim Zh 1983 Sep–Oct;55(5):517–22 (Eng. Abstr.) **(Rus)**

[Degradation of thiamine diphosphate in subcellular fractions of mouse liver in the dynamics of the development of alimentary B1-avitaminosis] Tumanov VN, et al.
Vopr Med Khim 1983 Jul–Aug;29(4):99–102 (Eng. Abstr.) **(Rus)**

[Penetration of thiamine pyrophosphate into rat hepatocytes] Voskoboev AI, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):42–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Direct physical evidence for stabilization of branched-chain alpha-ketoacid dehydrogenase by thiamin pyrophosphate. Heffelfinger SC, et al. **Am J Hum Genet** 1984 Jul; 36(4):802–7

Effect of oxythiamine on adrenal thiamine pyrophosphate-dependent enzyme activities. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):159–63

Stimulation of erythrocyte transketolase by added thiamin diphosphate is pH dependent. Tate J, et al.
Clin Chim Acta 1984 Feb 14;137(1):81–6

Interaction of thiamin diphosphate and thiamin thiazolone diphosphate with wheat germ pyruvate decarboxylase. Kluger R, et al. **J Biol Chem** 1984 Jul 25;259(14):8960–5

The catalytic mechanism of transketolase. Thiamin pyrophosphate-derived transition states for transketolase and pyruvate dehydrogenase are not identical. Shreve DS, et al. **J Biol Chem** 1983 Oct 25;258(20):12405–8

Escherichia coli alpha-ketoglutarate dehydrogenase complex. Steginsky CA, et al. **J Biol Chem** 1984 Apr 10; 259(7):4023–6

Protection against misonidazole-induced neuropathy in rats: a biochemical assessment. Rose GP, et al. **Toxicol Lett** 1983 Jun;17(1–2):181–5

THIAMINE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

THIAMINE TRIPHOSPHATASE see under **PHOSPHATASES**

THIAMINE TRIPHOSPHATE see under **THIAMINE**

THIAMPHENICOL

ADMINISTRATION & DOSAGE

[Thiamphenicol and experimental syphilis] Veller Fornasa C, et al. **G Ital Dermatol Venereol** 1983 Mar–Apr; 118(2):117–8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Why still prescribe chloramphenicol in 1983? Comparison of the clinical and biological hematologic effects of chloramphenicol and thiamphenicol. Baumelou E, et al. **Biut** 1983 Dec;47(6):317–20

ANALOGS & DERIVATIVES

In-vitro antibacterial activity of Sch 25393, a fluorinated analogue of thiamphenicol. Marca G, et al.
J Antimicrob Chemother 1984 May;13(5):423–7

PHARMACODYNAMICS

In-vitro antibacterial activity of Sch 25393, a fluorinated analogue of thiamphenicol. Marca G, et al.
J Antimicrob Chemother 1984 May;13(5):423–7

THERAPEUTIC USE

Treatment of gonococcal infections in men with single dose thiamphenicol [letter] Loo PS, et al. **Br J Vener Dis** 1983 Dec;59(6):407

Randomized clinical trial of short-term antibiotic prophylaxis in 750 patients undergoing vaginal and abdominal hysterectomy. Ferrari A, et al. **Int Surg** 1984 Jan–Mar; 69(1):21–7

Energy deprivation of Zajdela hepatoma cells upon in vivo treatment with thiamphenicol. Kužela S, et al.
Neoplasma 1983;30(6):651–7

[Acute purulent escherichia coli meningo-encephalitis treated with cefotaxime and thiamphenicol: study of the blood-cerebrospinal fluid levels of the antibiotic] Rizzo F, et al. **Clin Ter** 1982 Jan 31;100(2):203–8 **(Ita)**

[Effect of long-term treatment with rifampicin, chloramphenicol and cortisone on the production of virus-induced interferon] Tovo PA, et al.
G Batteriol Virol Immunol 1982 Jul–Dec;75(7–12):377–82 (Eng. Abstr.) **(Ita)**

[Thiamphenicol in the treatment of gonorrhea] Alessi E, et al. **G Ital Dermatol Venereol** 1982 Mar–Apr;117(2):127–9 (Eng. Abstr.) **(Ita)**

[Update on antibiotic therapy. 25) Thiamphenicol] Di Nola F. **Minerva Med** 1984 Jun 16;75(25):1541–6 **(Ita)**

TOXICITY

Molecular basis of chloramphenicol and thiamphenicol toxicity to DNA in vitro. Skolimowski IM, et al.
J Antimicrob Chemother 1983 Dec;12(6):535–42

THIAMYLAL

Arrhythmogenicity of dopamine, dobutamine, and epinephrine in thiamylal-halothane anesthetized dogs. Bednarski RM, et al. **Am J Vet Res** 1983 Dec;44(12):2341–3

Observations on the use of glyceryl guaiacolate as an adjunct to general anaesthesia in horses. Kalhoro AB, et al.
Aust Vet J 1984 Feb;61(2):49–53

PHARMACODYNAMICS

Effect of thiamylal on the response to carotid occlusion and mild hemorrhage in rabbits. Yamazaki T, et al.
Am J Physiol 1984 Jun;246(6 Pt 2):H806–10

Reinstatement of responding maintained by cocaine or thiamylal. Slikker W Jr, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):43–52

THIAZEPINES

CHEMICAL SYNTHESIS

Synthesis of a new potent anti-ulcer and gastric secretory inhibiting agent, (-)-cis-2,3-dihydro-3-(4-methylpiperazinylmethyl)-2-phe hydrochloride (BTM-1086), and related compounds. Ohno S, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1780–3

[Compounds with psychotropic activity. VIII. Synthesis and sedative activity of various 9-substituted derivatives of 5-phenylpyrrolo[2,1-d][1,5] benzothiazepine and cis-4,5-dihydro-4-hydroxy-5-phenylpyrrolo[2,1-d][1,5]be Nacci V, et al. **Farmaco [Sci]** 1984 Apr;39(4):289–304 (Eng. Abstr.) **(Ita)**

THIAZIDE DIURETICS see **DIURETICS, THIAZIDE**

THIAZINAMIUM see under **PROMETHAZINE**

THIAZINES

Xylazine-ketamine-oxymorphone: an injectable anesthetic combination in swine. Breese CE, et al.
J Am Vet Med Assoc 1984 Jan 15;184(2):182–3

Ketamine hydrochloride and xylazine hydrochloride anaesthesia in the golden hamster (Mesocricetus auratus). Curl JL, et al. **Lab Anim** 1983 Oct;17(4):290–3

Duration of analgesia in sheep under xylazine/ketamine anaesthesia. Byagagaire SD, et al. **Vet Rec** 1984 Jan 7; 114(1):15–6

ADMINISTRATION & DOSAGE

A new analgesic drug combination in the horse. Robertson JT, et al. **Am J Vet Res** 1983 Sep;44(9):1667–9

Once-a-day treatment for arthritis. A comparison. Huskisson EC. **Eur J Rheumatol Inflamm** 1983;6(2):212–5

Taurolidine instillation as therapy for empyema thoracis. A prospective study of 50 patients. Conlan AA, et al. **S Afr Med J** 1983 Oct 15;64(17):653–5

Disbudding of goats [letter] Gething DJ. **Vet Rec** 1984 Feb 11;114(6):151

Observations following intravenous xylazine administration in steers. Raptopoulos D, et al. **Vet Rec** 1984 Jun 9; 114(23):567–9

Effect of a combination of ketamine and xylazine on respiratory gas tensions and acid–base status in calves. Waterman AE. **Vet Rec** 1983 Nov 26;113(22):517

[Hyperglycemic and therapeutic action of nontranquilizing doses of xylazine in healthy sheep and cows and in cows with subclinical ketosis] Goranov Kh, et al. **Vet Med Nauki** 1983;20(3–4):34–9 (Eng. Abstr.) **(Bul)**

[Frequency of administration of nonsteroidal antirheumatic agents with a long biological half-life. A clinical trial with piroxicam] Pavelka K. **Fysiatr Reumatol Vestn** 1984 Feb; 62(1):18–25 (Eng. Abstr.) **(Cze)**

[Piroxicam (Felden), in the form of 20 mg suppositories, in the treatment of acute and chronic rheumatic diseases] Chantraine A, et al. **Rev Med Suisse Romande** 1984 Apr; 104(4):303–8 **(Fre)**

ADVERSE EFFECTS

Photosensitivity induced by piroxicam. Fjellner B. **Acta Derm Venereol (Stockh)** 1983;63(6):557–8

Side-effects of piroxicam (Feldene). A one-year material of 103 reports from Norway. Laake K, et al. **Acta Med Scand** 1984;215(1):81–3

Piroxicam-induced renal failure [letter] Herschberg SN. **Am Fam Physician** 1983 Nov;28(5):30

Hyperglycemia and hypoinsulinemia during xylazine–ketamine anesthesia in Thoroughbred horses. Tranquilli WJ, et al. **Am J Vet Res** 1984 Jan;45(1):11–4

Piroxicam-induced renal disease. Mitnick PD, et al. **Arch Intern Med** 1984 Jan;144(1):63–4

Piroxicam (Feldene) predisposes to chemotherapy-induced acute uric acid nephropathy [letter] Pullium JP, et al. **Arthritis Rheum** 1984 Jan;27(1):116–7

Non-steroidal analgesics and anti-inflammatory agents [letter] Fowler RW, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):835

Clinical curio: self medication with xylazine. Lewis S, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1369

Piroxicam-induced photosensitivity. In vivo and in vitro studies of its photosensitizing potential. Serrano G, et al. **J Am Acad Dermatol** 1984 Jul;11(1):113–20

Suppression of clinical signs of infection by NSAIDs [letter] Carmody TJ, et al. **J Am Geriatr Soc** 1984 Sep;32(9):691

Xylazine hydrochloride-induced anorexia in white-tailed deer. Warren RJ, et al. **J Wildl Dis** 1984 Jan;20(1):66–8

Bleeding tendency possibly related to increased plasma antithrombin III activity in patient treated with piroxicam. Stefanini M, et al. **South Med J** 1984 May;77(5):633–4

Avian anaesthesia [letter] Lawton MP. **Vet Rec** 1984 Jul 21; 115(3):71

[Felden (piroxicam) in arthroses. A post-marketing study] Brath HK, et al. **Tidsskr Nor Laegeforen** 1983 Sep 20; 103(26):1827–30 **(Nor)**

[Piroxicam – edema] **Lakartidningen** 1984 Jan 4;81(1–2):25 **(Swe)**

ANALYSIS

High-performance liquid chromatographic analysis of isoxicam in human plasma and urine. Daftsios AC, et al. **J Chromatogr** 1984 Jan 13;305(1):145–51

High-performance thin-layer chromatographic assay for the routine determination of piroxicam in plasma, urine and tissue. Riedel KD, et al. **J Chromatogr** 1983 Aug 12; 276(1):243–8

[Isoxicam: physicochemical characteristics and the quantitative determination by HPLC] Marini D, et al. **Boll Chim Farm** 1984 Mar;123(3):124–32 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Acepromazine–xylazine combination in dogs: antagonism with 4-aminopyridine and yohimbine. Cronin MF, et al. **Am J Vet Res** 1983 Nov;44(11):2037–42

Antagonism of xylazine and ketamine anesthesia by 4-aminopyridine and yohimbine in geldings. Kitzman JV, et al. **Am J Vet Res** 1984 May;45(5):875–9

Doxapram for reversing xylazine sedation [letter] Short CE. **J Am Vet Med Assoc** 1984 Feb 1;184(3):237, 258

Antagonism of xylazine plus chloral hydrate loss of the righting reflex in mice. A simple in vivo procedure for the evaluation of selective alpha 2-adrenoceptor antagonists. Yarbrough GG, et al. **J Pharmacol Methods** 1984 Jun;11(3):187–93

[Tolazoline as a xylazine antagonist in cattle] Roming LG. **DTW** 1984 Apr 9;91(4):154–7 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis of potential anticancer agents. Pyrido[4,3–b][1,4]oxazines and pyrido[4,3–b][1,4]thiazines. Temple C Jr, et al. **J Med Chem** 1983 Nov;26(11):1614–9

METABOLISM

Pharmacokinetic observations on piroxicam in young adult, middle-aged and elderly patients. Woolf AD, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):433–7

Piroxicam in human breast milk. Ostensen M. **Eur J Clin Pharmacol** 1983;25(6):829–30

Binding of piroxicam to synovial fluid and plasma proteins in patients with rheumatoid arthritis. Trnavská Z, et al. **Eur J Clin Pharmacol** 1984;26(4):457–61

Pharmacokinetics and biotransformation of methane sulphonanilides with anti-inflammatory activity in the rat and monkey—comparison with piroxicam. Krause W, et al. **Xenobiotica** 1983 May;13(5):265–72

[Pharmacokinetic study of piroxicam in healthy man after administration of a single dose equal to 20 mg, by the oral route] Fourtillan JB, et al. **Therapie** 1983 Mar–Apr; 38(2):163–70 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic study of piroxicam following oral and rectal administration] Acerbi D, et al. **Boll Chim Farm** 1983 Sep;122(9):19S–27S (Eng. Abstr.) **(Ita)**

[Relation between clinica :esponse and plasma and synovial fluid levels of piroxicam] Chérié Lignière G. **Clin Ter** 1984 Feb 29;108(4):297–304 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

The effects of xylazine on uterine activity, fetal and maternal oxygenation, cardiovascular function, and fetal breathing. Jansen CA, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):386–90

Effects of butorphanol, flunixin, levorphanol, morphine, and xylazine in ponies. Kalpravidh M, et al. **Am J Vet Res** 1984 Feb;45(2):217–23

Simultaneous cystometry and uroflowmetry (micturition study) for evaluation of the caudal part of the urinary tract in dogs: reference values for healthy animals sedated with xylazine. Moreau PM, et al. **Am J Vet Res** 1983 Sep; 44(9):1774–81

Xylazine causes transient dose-related hyperglycemia and increased urine volumes in mares. Thurmon JC, et al. **Am J Vet Res** 1984 Feb;45(2):224–7

Effects of clonidine and xylazine on body temperature in the rat. Livingston A, et al. **Br J Pharmacol** 1984 Jan; 81(1):189–93

Echocardiographic assessment of cats anesthetized with xylazine–sodium pentobarbital. Allen DG, et al. **Can J Comp Med** 1983 Jul;47(3):281–3

An examination of age-related changes in pre- and postsynaptic alpha-adrenoceptors in the rat isolated vas deferens. Docherty JR, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):171–6

Xylazine-induced sedation in chicks is inhibited by opiate receptor antagonists. Ruskoaho H, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):91–6

Hematologic and serum chemical effects of a ketamine/xylazine combination when used for immobilizing springbok. Jacobson ER. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1260–2

Immobilization of mule deer with ketamine and xylazine, and reversal of immobilization with yohimbine. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1339–40

Prostaglandin-independent inhibition of calcium transport by nonsteroidal anti-inflammatory drugs: differential effects of carboxylic acids and piroxicam. Burch RM, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):84–91

Halothane-sparing effect of xylazine in dogs and subsequent reversal with tolazoline. Tranquilli WJ, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):23–8

The pharmacokinetics of ketamine administered intravenously in calves and the modifying effect of premedication with xylazine hydrochloride. Waterman AE. **J Vet Pharmacol Ther** 1984 Jun;7(2):125–30

Inhibition of in vitro neutrophil responses to chemotactic factors by piroxicam. Tanaka K, et al. **Jpn J Pharmacol** 1984 Jun;35(2):181–91

The saccadic system and the vestibulo-ocular reflex in the cat do not share the same integrator. Godaux E, et al. **Neurosci Lett** 1983 Aug 8;38(3):263–8

Dose-dependent proconvulsant and anticonvulsant actions of the alpha 2 adrenergic agonist, xylazine, on kindled seizures in the rat. Joy RM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):345–50

Fasciola hepatica: the flukicidal effect of some anaesthetics and analgesics in common use. Burden DJ, et al. **Res Vet Sci** 1983 Sep;35(2):251–2

Influence of premedication with xylazine on the distribution and metabolism of intramuscularly administered ketamine in cats. Waterman AE. **Res Vet Sci** 1983 Nov;35(3):285–90

Combined use of sedatives and opiates in horses. Nolan AM, et al. **Vet Rec** 1984 Jan 21;114(3):63–7

[Action of tomizine (4-methoxy-6-aminopyrimido (4,5-b) (1,4)thiazine hydrochloride) on the physicochemical properties of the enzymes of folic acid metabolism—dihydrofolate reductase and nonspecific dihydrofolate reductase] Andreeva NA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):766–70 (Eng. Abstr.) **(Rus)**

POISONING

Piroxicam poisoning. Lo GC, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):798

Piroxicam poisoning in a 2-year-old child. A case report. MacDougall LG, et al. **S Afr Med J** 1984 Jul 7;66(1):31–3

RADIATION EFFECTS

[Radiation-induced binding of 2-amino-5,6-dihydro-1,3-4H-thiazine to DNA] Kondakova NV, et al. **Radiobiologiia** 1983 Sep–Oct; 23(5):650–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Piroxicam, acetylsalicylic acid and placebo for postoperative pain. Breivik H, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):37–9

Pain relief in relation to tissue piroxicam concentrations in hip osteoarthritis. Julkunen H, et al. **Ann Clin Res** 1983 Jun;15(3):99–103

Double-blind parallel study of piroxicam versus indomethacin in the treatment of low back pain. Videman T, et al. **Ann Clin Res** 1984;16(3):156–60

Comparative study of piroxicam and ibuprofen in rheumatoid arthritis. Alam MN, et al. **Bangladesh Med Res Counc Bull** 1983 Dec;9(2):54–9

Naproxen sodium and piroxicam in acute musculo-skeletal disorders. Bouchier-Hayes TA. **Br J Sports Med** 1984 Jun; 18(2):80–3

The suppressive effect of piroxicam on autochthonous intestinal tumors in the rat. Pollard M, et al. **Cancer Lett** 1983 Nov;21(1):57–61

Double-blind crossover comparison of piroxicam and indomethacin in rheumatoid arthritis. Domljan Z, et al. **Clin Rheumatol** 1984 Jun;3(2):217–22

A multi-centre study of piroxicam in the treatment of osteoarthritis and rheumatoid arthritis in general practice. Gow PJ. **Curr Med Res Opin** 1983;8(9):618–21

Piroxicam versus naproxen in rheumatoid arthritis. Mbuyi-Muamba JM, et al. **Curr Med Res Opin** 1983; 8(9):612–7

Clinical evaluation of piroxicam in acute musculoskeletal injuries seen in general practice. Williamson CM. **Curr Med Res Opin** 1983;8(9):622–5

A multicentre comparison of piroxicam and indomethacin in acute soft tissue sports injuries. Edwards V, et al. **J Int Med Res** 1984;12(1):46–50

Effects of nonsteroidal antiinflammatory drugs on the immune network. Førre O, et al. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):130–3 (30 ref.)

[Conservative therapy of activated gonarthrosis. Double-blind study of proglumetacine and piroxicam] Puhl W, et al. **Fortschr Med** 1984 Jun 21;102(23):653–6 (Eng. Abstr.) **(Ger)**

[Efficacy and tolerance of isoxicam in outpatients with gonarthrosis and coxarthrosis. Comparison with another non-steroid antirheumatic agent] Hiebsch HJ, et al. **Med Welt** 1983 Nov 11;34(45):1286–9 **(Ger)**

[Multicenter study of Felden 20 suppositories in 3887 patients] von Criegern T. **Med Welt** 1983 Nov 11; 34(45):1290–3 **(Ger)**

[A field study: piroxicam in arthrosis and soft tissue rheumatism. Results of a multicenter study] Knüsel O, et al. **Praxis** 1983 Sep 13;72(37):1189–94 (Eng. Abstr.) **(Ger)**

[Considerations on the use of piroxicam in patients with pathology caused by strain] Capitani D, et al. **Clin Ter** 1984 Apr 30;109(2):149–53 (Eng. Abstr.) **(Ita)**

[Therapeutic action of Piroxicam administered rectally in rheumatic diseases. Controlled double-blind study] Maccà F, et al. **Minerva Med** 1984 Apr 7;75(14–15):811–9 (Eng. Abstr.) **(Ita)**

[Action of piroxicam on allergic inflammation] Abe N, et al. **Nippon Yakurigaku Zasshi** 1983 May;81(5):431–40 (Eng. Abstr.) **(Jpn)**

[Piroxicam (Felden)] Rugstad HE. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1762–3 **(Nor)**

[Clinical pharmacology of oxicams] Stochla K, et al. **Pol Tyg Lek** 1983 Jul 25;38(30):933–7 **(Pol)**

[Comparative clinical evaluation of the preparations Feldene–Pfizer and Ibuprofen–Polfa in the treatment of patients with osteoarthritis] Gburek Z, et al. **Reumatologia** 1983;21(3–4):305–9 (Eng. Abstr.) **(Pol)**

[Feldene (piroxicam) in the treatment of ankylosing spondylitis] Sadowska-Wróblewska M, et al. **Reumatologia** 1983;21(1):55–8 **(Pol)**

TOXICITY

Morphologic and functional effects of piroxicam on myocardial scar formation after coronary occlusion in dogs. Hammerman H, et al. **Am J Cardiol** 1984 Feb 1;53(4):604–7

The acute action of fenbufen and piroxicam on the gastric mucosa as measured by gastric microbleeding. Collins AJ, et al. **J Int Med Res** 1984;12(3):179–83

Reproductive studies with the anti-inflammatory agent, piroxicam: modification of classical protocols. Perraud J, et al. **Toxicology** 1984 Feb 14;30(1):59–63

THIAZOLES

The staining properties of thiazolylazoalkylaminophenol derivatives in histochemical staining of cadmium. Sumi Y, et al. **Basic Appl Histochem** 1984;28(2):137–42

Stacking interaction of indole ring with thiazolium ring and effect for H–D exchange reaction of thiamin. Ishida T, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):486–91

The Noble rat bladder cancer model. FANFT–induced tumors. Drago JR. **Cancer** 1984 Mar 1;53(5):1093–9

Metastatic characteristics of four FANFT–induced murine bladder tumors. Crabtree WN, et al. **Urology** 1983 Nov; 22(5):529–31

ADVERSE EFFECTS

Allergy to MBT and its derivatives. Foussereau J, et al. **Contact Dermatitis** 1983 Nov;9(6):514–6

Allergic contact dermatitis from 2–n–octyl–4–isothiazolin–3–one, a paint mildewcide. Mathias CG, et al. **Contact Dermatitis** 1983 Nov;9(6):507–9

[Hypersensitivity to mercaptobenzothiazole] Rudzki E, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):383–7 (Eng. Abstr.) **(Pol)**

ANALYSIS

High–performance liquid chromatographic determination of a new calcium antagonist, fostedil, in plasma and urine using fluorescence detection. Thomas EW. **J Chromatogr** 1984 Jan 13;305(1):233–8

Contamination of injectable solutions with 2–mercaptobenzothiazole leached from rubber closures. Reepmeyer JC, et al. **J Pharm Sci** 1983 Nov;72(11):1302–5

BLOOD

Isomodal column switching high–performance liquid chromatographic technique for the analysis of ciglitazone and its metabolites in human serum. Cox JW, et al. **J Chromatogr** 1984 Apr 13;307(1):155–71

Rat–plasma metabolites of ciglitazone, a new antidiabetic agent. Yoshida K, et al. **Xenobiotica** 1984 Mar;14(3):249–57

CHEMICAL SYNTHESIS

Synthesis of L–2–oxothiazolidine–4–carboxylic acid. Boettcher B, et al. **Anal Biochem** 1984 May 1;138(2):449–50

P–chlorophenylamide of 3–methyl–5–benzoylaminoisothiazole–4–carboxylic acid (ITCL, Wratizolin)—the new antiviral drug. Machoń Z. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):579–82

Studies on prodrugs of cephalosporins. I. Synthesis and biological properties of glycyloxybenzoyloxymethyl and glycylaminobenzoyloxymethyl esters of 7 beta–[2–(2–aminothiazol–4–yl)–(Z)–2–methoxyiminoacetamido]–3–methyl–3–cephem–4–carboxylic acid. Kakeya N, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):692–8

Studies on the synthesis and analgesic and anti–inflammatory activities of 2–thiazolylamino– and 2–thiazolyloxy–arylacetic acid derivatives. Maeda R, et al. **Chem Pharm Bull (Tokyo)** 1983 Oct;31(10):3424–45

Research on heterocyclic compounds. XIV – Imidazothiazole and imidazobenzothiazole derivatives: synthesis and antiinflammatory activity. Abignente E, et al. **Farmaco [Sci]** 1983 Aug;38(8):534–45

Antiinflammatory activity of 5,6–diaryl–2,3–dihydroimidazo[2,1–b]thiazoles. Isomeric 4–pyridyl and 4–substituted phenyl derivatives. Lantos I, et al. **J Med Chem** 1984 Jan;27(1):72–5

2–Substituted thiazolidine–4(R)–carboxylic acids as prodrugs of L–cysteine. Protection of mice against acetaminophen hepatotoxicity. Nagasawa HT, et al. **J Med Chem** 1984 May;27(5):591–6

Steroidal thiourea and thiazoline derivatives: synthesis and in vitro effects on bovine pancreatic ribonuclease activity. Ibrahim ES, et al. **J Pharm Sci** 1983 Oct;72(10):1205–11

Arylidenepyruvic acid thiosemicarbazone and thiazoline derivatives as potential antimicrobial agents. Omar ME, et al. **J Pharm Sci** 1983 Oct;72(10):1226–8

Synthesis and biological activity of some new benzimidazolyl–azetidin–2–ones and –thiazolidin–4–ones. Abdel–Rahman AE, et al. **Pharmazie** 1983 Sep;38(9):589–90

[Anti–ulcerogenic derivatives in the thiocarbonylthiazolidine series: 3–pyridylthiocarbonyl[3,2–d]pyridothiazolidines] Jamoulle JC, et al. **Ann Pharm Fr** 1983;41(3):239–42 (Eng. Abstr.) **(Fre)**

[Nonsteroidal anti–inflammatory agents. 17. 4,5–Bis–(4–methoxyphenyl)–2–arylthioazoles with antiphlogistic activity] Klose W, et al. **Arch Pharm (Weinheim)** 1983 Nov;316(11):941–51 (Eng. Abstr.) **(Ger)**

[Synthesis and testing of thiazolo[3,2–a]perimidine for anorectic activity] Liu KC, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):728–9 **(Ger)**

[Compounds with presumable antitumor activity. II. 2–Substituted 3–(2–thiazolyl) and 3–[2–(1,3,4,–thiadizolyl)]–4–thiazolidinones] Grasso S, et al. **Farmaco [Sci]** 1984 Jun;39(6):505–13 (Eng. Abstr.) **(Ita)**

[Synthesis of new derivatives of 3–benzyl–1,2–benzisothiazole and a study of analgesic activity in mice] Morini G, et al. **Farmaco [Sci]** 1983 Oct; 38(10):794–800 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

A technically simple 'non–lethal' vital staining procedure for viral plaque and cell transformation assays. Brief report. Klebe RJ, et al. **Arch Virol** 1984;81(3–4):359–62

A rapid, vital staining procedure for flow cytometric analysis of human reticulocytes. Sage BH Jr, et al. **Cytometry** 1983 Nov;4(3):222–7

Assay for catechol–O–methyltransferase in erythrocytes using a new fluorogenic substrate, 2–(3,4–dihydroxyphenyl)naphtho[1,2–d]thiazole. Nohta H, et al. **J Chromatogr** 1984 Jun 8;308:93–100

Rapid colorimetric assay for cell viability: application to the quantitation of cytotoxic and growth inhibitory lymphokines. Green LM, et al. **J Immunol Methods** 1984 May 25;70(2):257–68

METABOLISM

Circus–movement tachycardia in frog atrium monitored by voltage–sensitive dyes. Sawanobori T, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H185–94

Transport of thiamine and 4–methyl–5–hydroxyethylthiazole by Salmonella typhimurium. Bellion E, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):331–6

Mass spectrometry of 2–substituted–4–arylthiazoles. 3—Identification of microsomal nitroreduction products by mass spectrometry. Mattammal MB, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):149–54

Biotransformation of the bladder carcinogen N–[4–(5–nitro–2–furyl)–2–thiazolyl]formamide in mice. Swaminathan S, et al. **Cancer Res** 1984 Jun;44(6):2331–8

The cyanine dye triS–C4(5) as a cationic uncoupler of oxidative phosphorylation: interaction with mitochondria detected by derivative spectrophotometry. Terada H, et al. **Cell Struct Funct** 1983 Jun;8(2):161–70

Comparative effects of prostaglandin H synthase–catalyzed binding of two 5–nitrofuran urinary bladder carcinogens. Zenser TV, et al. **J Pharmacol Exp Ther** 1983 Oct; 227(1):139–43

The fate of fenclozic acid in the gut and its effect on some aspects of gut metabolism. Curtis CG, et al. **Xenobiotica** 1983 Aug;13(8):483–96

Disposition in rats and dogs of ciglitazone, a new antidiabetic agent. Torii H, et al. **Xenobiotica** 1984 Mar;14(3):259–68

PHARMACODYNAMICS

The effects of acetazolamide and of ethoxzolamide on gastric microcirculation in rats (histochemical study). Barbarino F, et al. **Ann NY Acad Sci** 1984;429:601–3

The role of carbonic anhydrase in lens ion transport and metabolism. Friedland BR, et al. **Ann NY Acad Sci** 1984; 429:582–6

Carbonic anhydrase in human platelets: effects of carbonic anhydrase inhibition on platelet aggregation. Siffert W, et al. **Ann NY Acad Sci** 1984;429:207–9

Investigations on the activity of p–chlorophenylamide of 3–methyl–5–benzoylaminoisothiazole–4–carboxylic acid (ITCL) in the experimental keratitis. Giełdanowski J. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):621–9

Antiviral activity of Wratizolin. Inglot AD. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):601–10

Biological evaluation of Wratizolin penetration from ointments to the skin. Inglot AD, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):631–40

Effects of Wratizolin on growth and metabolism of cells in vitro. Inglot AD, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):593–9

Studies on the therapeutic effect of Wratizolin in selected dermatoses. Michałowski R, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):649–54

Wratizolin ITCL in the treatment of herpes simplex and recurrent and zoster. Moskalewska K, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):641–4

Antifungal activity of Wratizolin. Mulczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):615–20

Antibacterial activity of Wratizolin. Mulczyk M. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):611–3

Interaction of Wratizolin with serum albumins and its antiproteolytic activity. Romanowska E, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):583–91

Clinical studies on the effectiveness of Wratizolin in the treatment of some dermatoses. Szarmach H, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):655–61

Results of Wratizolin treatment of selected skin diseases with particular reference to those of viral etiology. Wąsik F, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):645–8

Platonin, a photosensitizing cyanine dye, suppresses acute inflammation. Oyanagui Y. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):162–72

Studies on MK–208 (YM–11170) a new, slowly dissociable H2–receptor antagonist. Pendleton RG, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):4–16

A comparison of some renal and cardiovascular effects of a prostaglandin analog, SKF 82526 and ibopamine in anesthetized dogs. Seymour AA, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):304–15

Studies on the anti–inflammatory activity and ulcerogenic adverse effect of thiazole derivatives, especially 2–amino–thiazoleacetic acid derivatives. Nagatomi H, et al. **Arzneimitteiforsch** 1984;34(5):599–603

Dual inhibition of cyclooxygenase and lipoxygenase by 2–acetylthiophene 2–thiazolylhydrazone (CBS–1108) and effect on leukocyte migration in vivo. Bertez C, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1757–62

Effect of oxythiamine on adrenal thiamine pyrophosphate–dependent enzyme activities. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):159–63

Comparative effects of famotidine and cimetidine on antipyrine kinetics in healthy volunteers [letter] Staiger C, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):105–6

Lack of reverse transformation after treatment of A 549 human alveolar carcinoma cells with thioproline. Rigaud O, et al. **Cancer Lett** 1983 Aug;20(1):93–6

Inhibition by aspirin of N–[4–(5–nitro–2–furyl)–2–thiazolyl] formamide–induced bladder carcinogenesis and enhancement of forestomach carcinogenesis. Murasaki G, et al. **Carcinogenesis** 1984 Jan;5(1):53–5

Ciglitazone, a new hypoglycemic agent. I. Studies in ob/ob and db/db mice, diabetic Chinese hamsters, and normal and streptozotocin–diabetic rats. Chang AY, et al. **Diabetes** 1983 Sep;32(9):830–8

Ciglitazone, a new hypoglycemic agent. II. Effect on glucose and lipid metabolisms and insulin binding in the adipose tissue of C57BL/6J–ob/ob and –+/? mice. Chang AY, et al. **Diabetes** 1983 Sep;32(9):839–45

Reduction of insulin resistance in obese and/or diabetic animals by 5–[4–(1–methylcyclohexylmethoxy)benzyl]–thiazolidine–2,(ADD–3878, U–63,287, ciglitazone), a new antidiabetic agent. Fujita T, et al. **Diabetes** 1983 Sep;32(9):804–10

Ciglitazone, a new hypoglycaemic agent. 3. Effect on glucose disposal and gluconeogenesis in vivo in C57BL/6J–ob/ob and –+/? mice. Chang AY, et al. **Diabetologia** 1983 Dec; 25(6):514–20

Effect of H2–receptor antagonists, cimetidine and YM–11170, on serum gastrin levels in lumen–perfused rats. Ohe K, et al. **Dig Dis Sci** 1983 Nov;28(11):981–9

Attenuation by d–ozolinone of l–ozolinone–induced diuresis in rats. Greven J, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):331–6

Kinetics of antisecretory action of a new H2–antagonist, YM–11170, in conscious dogs. Takeda M, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):371–6

Reversal of pyrithiamine–induced growth inhibition of Saccharomyces cerevisiae by oxythiamine. Iwashima A, et al. **Experientia** 1984 Jun 15;40(6):582–3

A new potentiator of insulin action. Post–receptor activation in vitro. Kobayashi M, et al. **FEBS Lett** 1983 Oct 31; 163(1):50–3

Inhibition of gastric secretion by a new H2–antagonist, YM–11170 in healthy subjects. Miwa M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):214–7

Correction of an in vitro immunoregulatory defect in atopic subjects by the immunostimulating drug fanetizole mesylate (CP–48,810). Rocklin RE, et al. **Int J Immunopharmacol** 1984;6(1):1–8

Cardiac electrophysiologic actions of KB–944 (Fostedil), a new calcium antagonist, in the anesthetized dog. Patterson E, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):632–40

Effects of a new aldose reductase inhibitor on various tissues in vitro. Terashima H, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):226–30

Duration of action of new H2–blockers [letter] Schwartz SE, et al. **Lancet** 1984 Jan 7;1(8367):53–4

Prevention of peripheral nerve dysfunction by an aldose reductase inhibitor in streptozotocin–diabetic rats. Kikkawa R, et al. **Metabolism** 1984 Mar;33(3):212–4

Mutagenicity to Salmonella of the mono methylamino and N–cyanoethyl analogues of 4–dimethylaminoazobenzene (DAB) and 6–dimethylaminophenylazobenzthiazole (6BT). Ashby J, et al. **Mutat Res** 1984 Aug;128(1):11–6

Influence of DL–2–phenyl [6–ethoxybenzothiazolyl–(2)–thio] propionic acid (EMD 34853) on gallstone formation in hamsters. Kritchevsky D, et al. **Pharmacol Res Commun** 1984 Feb;16(2):111–5

Reversal of indomethacin–induced decreases in renal function by an isosterically–modified prostaglandin analog. Blaine EH. **Prostaglandins** 1983 Nov;26(5):805–15

Medial smooth muscle cell proliferation in the balloon injured rabbit aorta: effect of a thiazole compound with platelet inhibitory activity. Schaub RG, et al. **Thromb Haemost** 1984 Feb 28;51(1):75–8

[New research on the cellular effects of thiaproline] Bassleer R, et al. **Ann Pharm Fr** 1983;41(6):591–5 (Eng. Abstr.) **(Fre)**

[Human acid secretion during daily administration of H2–blockers] Müller P, et al. **Schweiz Med Wochenschr** 1984 May 12;114(19):667–71 (Eng. Abstr.) **(Ger)**

[Pharmacological actions of alkylaminoalkyl–phenylbenzisothazole compounds on the gastrointestinal tract] Chiavarini M, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):797–803 (Eng. Abstr.) **(Ita)**

[Effect of Famotidine in gastric acidity, plasma secretin and gastrin in duodenal ulcer patients. With reference to 24–hour intragastric pH monitoring] Shiratori K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):855–63 (Eng. Abstr.) **(Jpn)**

[Peculiarities of nucleotide and nucleic acid metabolism in hydroxythiamine–induced vitamin B1 deficiency] Khokha AM, et al. **Biokhimiia** 1984 Mar;49(3):361–9 (Eng. Abstr.) **(Rus)**

[Effect of 2–amino–2–thiazoline on the sulfhydryl group content of yeasts of various degrees of radiosensitivity]

Zolotareva LT, et al. **Biol Nauki** 1984;(5):34–6 (Eng. Abstr.) **(Rus)**

[Enzyme activity of thiamine pyrophosphate in the rat after oxythiamine administration] Strumilo SA, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):42–4 (Eng. Abstr.) **(Rus)**

POISONING

[Phospholipids in the liver and brain of animals in acute oxythiamine-induced avitaminosis B1] Pavlenia AK, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):73–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Leucogen effect on postradiation injury of intestinal crypts. Baltrukiewicz Z, et al. **Acta Physiol Pol** 1982 Sep–Dec; 33(5–6):621–5

Nitazoxanide in the treatment of Taenia saginata and Hymenolepis nana infections. Rossignol JF, et al. **Am J Trop Med Hyg** 1984 May;33(3):511–2

Antitumor studies of 2-amino-2-thiazoline and other tumor-modifying agents. Pine MJ, et al. **J Med** 1983; 14(5–6):433–49

Topical carbonic anhydrase inhibitors. Schoenwald RD, et al. **J Med Chem** 1984 Jun;27(6):810–2

[Effects of thioproline on experimental arrhythmia] Zhao HP, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):30–2 (Eng. Abstr.) **(Chi)**

[Effect of a respiratory analeptic on capillary and transcutaneously measured blood gases in patients with global respiratory insufficiency in oxygen inhalation] Rühle KH, et al. **Prax Klin Pneumol** 1984 Feb;38(2):62–6 (Eng. Abstr.) **(Ger)**

[24-hour intragastric acid profile in a ZES patient with H2 blockers] Dammann HG, et al. **Z Gastroenterol** 1984 Jun; 22(6):318–20 **(Ger)**

[Letosteine in chronic bronchopathy] Girbino G, et al. **Arch Monaldi** 1983 Jul–Aug;38(4):167–84 (Eng. Abstr.) **(Ita)**

[Effect of letosteine on muco-ciliary transport in patients with chronic bronchopathy] Olivieri D, et al. **Arch Monaldi** 1983 May–Jun;38(3):105–12 (Eng. Abstr.) **(Ita)**

[Effects of protective agents on ulcer formation] Mori H. **Nippon Rinsho** 1984 Jan;42(1):150–7 **(Jpn)**

TOXICITY

6-p-Dimethylaminophenylazobenzothiazole: a potent hepatocarcinogen in the rat. Elliott BM, et al. **Cancer Lett** 1983 Nov;21(1):69–76

Effect of aspirin on N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide-induced epithelial proliferation in the urinary bladder and forestomach of the rat. Hasegawa R, et al. **Cancer Lett** 1984 Jan;21(3):269–75

Tumor production in germ-free rats fed 5-nitrofurans. Wang CY, et al. **Cancer Lett** 1984 Jan;21(3):303–8

Kathon—genotoxicity studies. **Food Chem Toxicol** 1984 Jun; 22(6):491–2

The sensitizing potential of metalworking fluid biocides (phenolic and thiazole compounds) in the guinea-pig maximization test in relation to patch-test reactivity in eczema patients. Andersen KE, et al. **Food Chem Toxicol** 1984 Aug;22(8):655–60

Mutagenicity of two non-formaldehyde-forming antimicrobial agents [letter] Monte WC, et al. **Food Chem Toxicol** 1983 Oct;21(5):695–6

Mutagenicity of 2-hydroxyalkyl-N-nitrosothiazolidines. Umano K, et al. **Food Chem Toxicol** 1984 Apr;22(4):253–9

2-amino-5-nitrothiazole. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul; 31:71–7

Kathon biocide: manifestation of delayed contact dermatitis in guinea pigs is dependent on the concentration for induction and challenge. Chan PK, et al. **J Invest Dermatol** 1983 Nov;81(5):409–11

Mutagenicity of urine of various species fed N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide or 2-amino-4-(5-nitro-2-furyl)thiazole. Hayashida S, et al. **Mutat Res** 1984 Mar;135(3):169–73

Evaluation of some formaldehyde-release compounds and other biocides in the mouse micronucleus test. Richardson CR, et al. **Mutat Res** 1983 Dec;124(3–4):241–6

[Synthesis and pharmacological screening of 4-methyl-5-(2-N-substituted aminoethyl)-thiazoles] Bogdal M, et al. **Acta Pol Pharm** 1983;40(2):159–70 (Eng. Abstr.) **(Pol)**

URINE

Relation between the iodine azide test and the TTCA test for exposure to carbon disulphide. Rosier J, et al. **Br J Ind Med** 1984 Aug;41(3):412–6

Presence in human urine of a new N-nitroso compound, N-nitrosothiazolidine 4-carboxylic acid. Ohshima H, et al. **Cancer Lett** 1983 Sep;20(2):183–90

Occurrence in human urine of new sulphur-containing N-nitrosamino acids N-nitrosothiazolidine 4-carboxylic acid and its 2-methyl derivative, and their formation. Ohshima H, et al. **J Cancer Res Clin Oncol** 1984; 108(1):121–8

THIENAMYCINS

Structures of OA-6129D and E, new carbapenam antibiotics. Yoshioka T, et al. **J Antibiot (Tokyo)** 1984 Mar;37(3):211–7

ADMINISTRATION & DOSAGE

A randomized study comparing clinical efficacy and safety of thienamycin formamidine (MK0787)/renal dipeptidase inhibitor (MK0791) and cefazolin. Ribner BS, et al. **J Antimicrob Chemother** 1983 Oct;12(4):387–91

ADVERSE EFFECTS

Epidemiology of colitis induced by Clostridium difficile in hamsters: application of a bacteriophage and bacteriocin typing system. Hawkins CC, et al. **J Infect Dis** 1984 May; 149(5):775–80

BLOOD

Determination of imipenem and cilastatin in serum by high-pressure liquid chromatography. Myers CM, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):78–81

CHEMICAL SYNTHESIS

Synthesis and in vitro activity of a new carbapenem, RS-533. Miyadera T, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1034–9

ISOLATION & PURIFICATION

A new carbapenam No. 17927 D substance. Haneishi T, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1581–4

New beta-lactam antibiotics, carpetimycins C and D. Nakayama M, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):943–9

Northienamycin and 8-epi-thienamycin, new carbapenems from Streptomyces cattleya. Wilson KE, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1109–17

Structures of OA-6129A, B1, B2 and C, new carbapenem antibiotics produced by Streptomyces sp. OA-6129. Yoshioka T, et al. **J Antibiot (Tokyo)** 1983 Nov; 36(11):1473–82

METABOLISM

Comparative stability of first, second and third generation cephalosporins and N-formimidoyl thienamycin against gram-negative beta-lactamases. Vuye A. **Arzneimittelforsch** 1983;33(9):1236–9

Pharmacokinetics of imipenem in healthy volunteers. Norrby SR, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:109–24

Pharmacokinetics of N-formimidoyl thienamycin and influence of a renal dipeptidase inhibitor in experimental meningitis. Washburn DE, et al. **J Antimicrob Chemother** 1983 Jul;12(1):39–45

PHARMACODYNAMICS

Bioactivity of imipenem as a function of medium, time, and temperature. Baron EJ, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):781–2

Occurrence and expression of imipemide (N-formimidoyl thienamycin) resistance in clinical isolates of coagulase-negative staphylococci. Blumenthal RM, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):61–9

Subinhibitory concentrations of imipenem induce increased resistance to methicillin and imipenem in vitro in methicillin-resistant Staphylococcus aureus. Forbes BA, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):491–3

Stimulation of granulocyte functions in vitro by imipenem and the renal enzyme inhibitor MK 0791. Gnarpe H, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):179–81

Synergism of imipenem and amikacin in combination with other antibiotics against Nocardia asteroides. Gombert ME, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):810–1

Kinetic studies on the inhibition of Proteus vulgaris beta-lactamase by imipenem. Hashizume T, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):149–51

The in vitro activity of N-formimidoyl thienamycin compared with other broad-spectrum cephalosporins and with clindamycin and metronidazole. Tschhauser G, et al. **Infection** 1983 Jul–Aug;11(4):219–26

Activity of imipenem on aerobic bacteria. Acar JF, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:37–45

Comparative activity of imipenem (N-formimidoyl thienamycin) on enterococci and its interactions with aminoglycosides. Aznar J, et al. **J Antimicrob Chemother** 1984 Feb;13(2):129–32

Cefoperazone against carbenicillin-resistant isolates of Pseudomonas aeruginosa: comparison with other newer cephalosporins and N-formimidoyl thienamycin. Chau PY, et al. **J Antimicrob Chemother** 1983 Oct;12(4):337–45

Thienamycin: development of imipenem-cilastatin. Kahan FM, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:1–35 (105 ref.)

In-vitro and in-vivo antibacterial activity of imipenem against clinical isolates of bacteria. Mitsuhashi S. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:53–64

Susceptibility of anaerobic bacteria to imipenem. Tally FP, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:47–51

Effectiveness of the antimicrobial removal device, BACTEC 16B medium, and thiol broth in neutralizing antibacterial activities of imipenem, norfloxacin, and related agents. Weinberg E, et al. **J Clin Microbiol** 1984 Feb;19(2):207–9

An in vitro study of new antibiotic: thienamycin. Patamasucon P, et al. **J Med Assoc Thai** 1983 Nov; 66(11):708–12

The morphological response of Pseudomonas aeruginosa to azthreonam, cefoperazone, ceftazidime and N-formimidoyl thienamycin. Elliott TS, et al. **J Med Microbiol** 1984 Apr; 17(2):159–69

[In vitro sensitivity of strict anaerobic Gram-negative bacilli to thienamycin NF and various cephalosporins] Dubreuil L, et al. **Pathol Biol (Paris)** 1984 May;32(5):429–32 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Imipenem versus moxalactam in the treatment of serious infections. Eron LJ, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):841–6

Comparative imipenem treatment of Staphylococcus aureus endocarditis in the rat. Baumgartner JD, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:79–87

Imipenem therapy of Pseudomonas aeruginosa bacteraemia in neutropenic rats. Johnson DE, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:89–96

Comparative clinical trial of imipenem-cilastatin (N-formimidoyl-thienamycin-dehydropeptidase inhibitor) and cefazolin. Marier RL, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:133–9

Clinical perspectives on imipenem. Neu HC. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:149–53

Imipenem therapy of experimental Staphylococcus aureus and Streptococcus faecalis endocarditis. Scheld WM, et al. **J Antimicrob Chemother** 1983 Dec;12 Suppl D:65–78

Chemoprophylaxis of experimental rabbit endocarditis with N-formimidoyl thienamycin [letter] Guze PA, et al. **J Infect Dis** 1984 Jul;150(1):159–60

Imipenem/cilastatin versus gentamicin/clindamycin for treatment of serious bacterial infections. Report from a Scandinavian Study Group. **Lancet** 1984 Apr 21; 1(8382):868–71

Successful treatment of legionella pneumonia with imipenem [letter] Chiodini PL, et al. **Lancet** 1984 Feb 18;1(8373):401

TOXICITY

Studies on the mechanism of action of imipenem (N-formimidoylthienamycin) in vitro: binding to the penicillin-binding proteins (PBPs) in Escherichia coli and Pseudomonas aeruginosa, and inhibition of enzyme activities due to the PBPs in E. coli. Hashizume T, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):394–400

2-THIENYLALANINE see under **ALANINE**

THIETHYLPERAZINE

ADVERSE EFFECTS

[Respiratory dyskinesia with hyperventilation] Jensen NB, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3834 (Eng. Abstr.) **(Dan)**

[Neurological side effects after using thiethylperazine] Prusiński A, et al. **Pol Tyg Lek** 1983 Sep 26;38(39):1227–8 (Eng. Abstr.) **(Pol)**

THIGH

The lateral thigh fascio-cutaneous flap in the repair of ischial and trochanteric defects. Maruyama Y, et al. **Br J Plast Surg** 1984 Jan;37(1):103–7

Endocrine activity in a large hibernoma. Allegra SR, et al. **Hum Pathol** 1983 Dec;14(12):1044–52

Non-cardiac circulatory overload secondary to pneumatic thigh tourniquets. Maurer NH, et al. **J Am Podiatry Assoc** 1983 Nov;73(11):589–92

CT findings in hibernoma of the thigh. Hertzanu Y, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1109–11

An unusual soft tissue sarcoma in a 33-year-old male [letter] Herrera GA. **Ultrastruct Pathol** 1984;6(1):111–2

[Meralgia paresthetica complicating iliac bone graft removal. Apropos of 3 cases (letter)] Daupleix D, et al. **Presse Med** 1984 Mar 17;13(11):681–2 **(Fre)**

[Traumatic rupture of the distal tendon of the adductor longus muscle of the thigh. Description of a clinical case] Falcone G, et al. **Arch Putti Chir Organi Mov** 1983;33:455–9 (Eng. Abstr.) **(Ita)**

[Primary lipoatrophy in bands of the thigh and leg] Petrescu Z, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar; 87(1):111–2 **(Rum)**

[Ultrasonic echolocation of soft tissues in dogs during decompression] Nikolaev VP, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):52–7 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenologic and morphologic characteristics of tendinosis in the region of the greater trochanter of the femur] Zharkov PL, et al. **Revmatologiia (Moskva)** 1983 Apr–Jun;(2):52–6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Ultrasonic measurement of subcutaneous fat on the upper leg. Weiss LW. **Am Correct Ther J** 1984 Mar–Apr; 38(2):40–3

BLOOD SUPPLY

Femoral profunda angioplasty: sparing the saphenous vein with on-lay angioplasty. Røder OC, et al. **Ann Chir Gynaecol** 1983;72(5):257-9

Treatment of the persistent sciatic artery. Mayschak DT, et al. **Ann Surg** 1984 Jan;199(1):69-74

The free thigh flap: a new free flap concept based on the septocutaneous artery. Song YG, et al. **Br J Plast Surg** 1984 Apr;37(2):149-59

Thigh and calf blood flows after isometric contraction in untrained and trained subjects. Kitamura K, et al. **Jpn J Physiol** 1983;33(3):449-58

INJURIES

[Possibilities for using the tensor fasciae latae flap] Vossmann H. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):131-4 (Eng. Abstr.) (Ger)

[Phlegmasia cerulea of the lower extremities complicating wounds of the thigh] Alimov TU, et al. **Klin Khir** 1983 Jul;(7):74 (Rus)

INNERVATION

Incidence of saphenous neuralgia in arterial surgery. Røder OC, et al. **Acta Chir Scand** 1984;150(1):23-4

Meralgia paresthetica: a study of incidence in one chiropractic clinic. Kadel RE, et al. **J Manipulative Physiol Ther** 1983 Jun;6(2):77-9

Meralgia paresthetica and tight trousers [letter] Boyce JR. **JAMA** 1984 Mar 23-30;251(12):1553

Spontaneous saphenous neuralgia. Luerssen TG, et al. **Neurosurgery** 1983 Sep;13(3):238-41

PATHOLOGY

Thigh muscle atrophy in below-knee amputees. Renström P, et al. **Scand J Rehabil Med [Suppl]** 1983;9:150-62

PHYSIOPATHOLOGY

Thigh muscle strength in below-knee amputees. Renström P, et al. **Scand J Rehabil Med [Suppl]** 1983;9:163-73

RADIOGRAPHY

Intramuscular myxoma. Case report and review of the literature. Feldman RH, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):76-81

Computed tomography and radiotherapy in giant hemangioma with thrombocytopenia. Shah K. **Comput Radiol** 1983 Sep-Oct;7(5):319-22

Computed tomography in the diagnosis of iliopsoas abscesses. Sykes JT, et al. **Med J Aust** 1984 Apr 14;140(8):492-3

SURGERY

Secondary hip-buttock-thigh plasty. Guerrerosantos J. **Clin Plast Surg** 1984 Jul;11(3):491-503

Breast shaping procedures, abdominoplasty, and thighplasty in Australia. Isaacs G. **Clin Plast Surg** 1984 Jul;11(3):525-48 (21 ref.)

Secondary thigh-buttock deformities after classical techniques. Prevention and treatment. Regnault P, et al. **Clin Plast Surg** 1984 Jul;11(3):505-16

Suction assisted lipectomy. Maguire CP. **J SC Med Assoc** 1984 Jul;80(7):328-30

Inguinal lymphocele as a complication of thighplasty. Leitner DW, et al. **Plast Reconstr Surg** 1983 Dec;72(6):878-81

A new technique for reconstruction of an open above-knee amputation. Rees R, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):882-6

[Surgical treatment of contracture of the iliotibial band due to poliomyelitis] Wang ZL. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):308-10 (Eng. Abstr.) (Chi)

[Conduction anesthesia of the lumbar plexus by the inguinal approach] Marochkov AV, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):64-5 (Eng. Abstr.) (Rus)

[Method of compression osteosynthesis in thigh amputations by the Gritti-Shimanovskiĭ method] Ivanov AM, et al. **Ortop Travmatol Protez** 1983 Nov;(11):21-4 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Extraskeletal myxoid chondrosarcoma. A case report with histochemical and ultrastructural features. Trono D, et al. **Appl Pathol** 1983;1(3):139-48

THIMAZOL see **METHIMAZOLE**

THIMEROSAL see under **ETHYLMERCURY COMPOUNDS**

THIMETHAPHAN see **TRIMETHAPHAN**

THINKING

Thinking about mind and matter from biology. Jeuken M. **Acta Biotheor (Leiden)** 1983;32(2):79-92

Adolescent thinking and the quality of life. Bart WM. **Adolescence** 1983 Winter;18(72):875-88

Capitalizing on formal thought in counseling adolescents on conflicts with parents. Mitchell CE. **Adolescence** 1984 Summer;19(74):377-83

Internal speech and deaf children. Bernstein ME, et al. **Am Ann Deaf** 1983 Aug;128(4):483-9

Comparison of schizophrenic patients with formal thought disorder and neurologically impaired patients with aphasia. Faber R, et al. **Am J Psychiatry** 1983 Oct;140(10):1348-51

Treatment of compulsive looking by imaginal thought-stopping. Turner SM, et al. **Behav Modif** 1983 Oct; 7(4):576-82

Towards a comprehensive treatment for obsessional thoughts. Robertson J, et al. **Behav Res Ther** 1983;21(4):347-56

The cognitions questionnaire: specific thinking errors in depression. Fennell MJ, et al. **Br J Clin Psychol** 1984 May; 23 (Pt 2):81-92

Effects of distraction on thinking and affect in depressed patients. Fennell MJ, et al. **Br J Clin Psychol** 1984 Feb; 23 (Pt 1):65-6

The relationship of depression and thought disorder in pain patients. Sprock J, et al. **Br J Med Psychol** 1983 Dec;56 (Pt 4):351-60

Changes in thought content following sleep deprivation in depression. Kraft AM, et al. **Compr Psychiatry** 1984 May-Jun;25(3):283-9

Suicidal ideation in university students and other groups. Salmons PH, et al. **Int J Soc Psychiatry** 1984 Autumn; 30(3):201-5

Speech competence in manic and schizophrenic psychoses: the association between clinically rated thought disorder and cohesion and reference performance. Harvey PD. **J Abnorm Psychol** 1983 Aug;92(3):368-77

Irrational beliefs and self-reported depressed mood. Vestre ND. **J Abnorm Psychol** 1984 May;93(2):239-41

Challenging graduate nursing students to think for the future. Foxall MJ, et al. **J Adv Nurs** 1984 May;9(3):291-5

Thought-induced change in phobic beliefs: sometimes it helps, sometimes it hurts. Leone C. **J Clin Psychol** 1984 Jan;40(1):68-71

The Whitaker Index of Schizophrenic Thinking (WIST) and thirteen systems for diagnosing schizophrenia. Leslie BA, et al. **J Clin Psychol** 1984 May;40(3):636-48

Endorsements of Ellis' irrational beliefs as a function of DSM-III psychotic diagnoses. Newmark CS, et al. **J Clin Psychol** 1983 Nov;39(6):820-3

Formal thought disorder among the first-degree relatives of schizophrenics: a new look at some old data. Romney DM. **J Clin Psychol** 1984 Jan;40(1):51-2

Assessment of irrational beliefs: the question of discriminant validity. Smith TW, et al. **J Clin Psychol** 1983 Nov; 39(6):976-9

Prediction of attrition in alcoholic aftercare by scores on the Embedded Figures Test and two Piagetian tasks. Erwin JE, et al. **J Consult Clin Psychol** 1984 Jun;52(3):354-8

Cognitive-behavioral assessment of depression: clinical validation of the automatic thoughts questionnaire. Harrell TH, et al. **J Consult Clin Psychol** 1983 Oct;51(5):721-5

Moral reasoning of Piagetian-matched retarded and nonretarded children and adolescents. Kahn JV. **J Genet Psychol** 1983 Sep;143(1st Half):69-77

The influence of personality, curriculum, and memory correlates on formal reasoning in young adults and elderly persons. Blackburn JA. **J Gerontol** 1984 Mar;39(2):207-9

Phobic anxiety and irrational belief systems. Thyer BA, et al. **J Psychol** 1983 Jul;114(2d Half):145-9

Teaching writing and thinking skills. Pinkava BP, et al. **Nurs Outlook** 1984 Sep-Oct;32(5):270-2

Cognitive baloney. Can it be sold to insurers by the pound? By the slice? Or not at all? Wassersug JD. **Postgrad Med** 1984 Feb 1;75(2):66-7

Cognitive complexity-simplicity and inconsistent interpersonal judgment in thought-disordered schizophrenia. Livesay JR. **Psychol Rep** 1984 Jun; 54(3):759-68

Schizophrenia and the deletion of certainty: an existential case study. Schmolling P. **Psychol Rep** 1984 Feb; 54(1):139-48

Parental rearing and transient thought disorder in young adults. Clayer JR, et al. **Psychopathology** 1984;17(1):9-16

Disordered thinking in schizophrenia: intermingling and loss of set. Harrow M, et al. **Schizophr Bull** 1983;9(3):354-67

[Age and sex dependence of schizophrenic delusional themes--a contribution to the understanding of abnormal thinking?] Vollmoeller W. **Psychiatr Prax** 1983 Nov; 10(6):194-9 (Eng. Abstr.) (Ger)

[Primary and secondary process--classical assumptions, revision of theory, empirical analyses] Engel K. **Psychother Psychosom Med Psychol** 1983 Sep;33(5):167-74 (Eng. Abstr.) (Ger)

[Integration and development of thought processes in medical students] Bykova LA, et al. **Pediatriia** 1983 Jul;(7):42-5 (0 ref.) (Rus)

DRUG EFFECTS

Marijuana-induced primary process content in the TAT. West A, et al. **J Pers Assess** 1983 Oct;47(5):466-7

PHYSIOLOGY

Should the brain be regarded as a computer? Spiegel EA. **Appl Neurophysiol** 1983;46(1-4):7-10

Intra-individual variability in divergent thinking in response to audio, visual, and tactile stimuli. Jaquish GA. **Br J Psychol** 1983 Nov;74 (Pt 4):467-72

THINNESS

see related EMACIATION

BLOOD

Effects of age and diet on plasma lipid and glucose concentrations in genetically lean or fat chickens. Leclercq B, et al. **Reprod Nutr Dev** 1984;24(1):53-61

FAMILIAL & GENETIC

Familial obesity and leanness. Laskarzewski PM, et al. **Int J Obes** 1983;7(6):505-27

METABOLISM

Direct effect of triiodothyronine on glucose utilization in adipocytes from obese and nonobese Zucker rats. Rifici VA, et al. **Int J Biochem** 1984;16(4):353-60

THIO-TEPA

[Teratogenic effect of thiophosphamide on mice of different genotypes] Korogodina IuV, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):331-2 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Mitomycin C intravesical therapy in noninvasive bladder cancer after failure on thiotepa. Issell BF, et al. **Cancer** 1984 Mar 1;53(5):1025-8

Intravesical chemotherapy in the United States. An overview. Spaulding JT. **Cancer Chemother Pharmacol** 1983;11 Suppl:S5-8 (44 ref.)

Bilateral primary carcinoma of the ureter: topical intraureteral thiotepa. Powder JR, et al. **J Urol** 1984 Aug; 132(2):349-52

[Preliminary results of a randomized study between intravesical adriamycin and thio-tepa in the treatment of superficial tumors of bladder] Allona Moncada A, et al. **Arch Esp Urol** 1984 Mar-Apr;37(2):113-22 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Thiotepa-induced myelosuppression: review of 670 bladder instillations. Soloway MS, et al. **J Urol** 1983 Nov; 130(5):889-91

ANTAGONISTS & INHIBITORS

[Arsenic trioxide inhibition of the thiophosphamide induction of mutations in mouse germ and somatic cells] Pashin IuV, et al. **Genetika (Moskva)** 1984 Feb;20(2):365-6 (Eng. Abstr.) (Rus)

CHEMICAL SYNTHESIS

In the search for new anticancer drugs. 9. Synthesis and anticancer activity of spin-labeled analogues of N,N:N',N':N',N'-Tri-1,2-ethanediylphosphoric triamide and N,N:N',N':N',N'-tri-1,2-ethanediylphosphorothioic triamide. Sosnovsky G, et al. **J Med Chem** 1984 Jun; 27(6):782-8

IMMUNOLOGY

[Sensitivity of BALB/c and WR strain mice to the immunodepressive action of cyclophosphamide and thiophosphamide] Ir KN, et al. **Biull Eksp Biol Med** 1984 May;97(5):598-600 (Eng. Abstr.) (Rus)

METABOLISM

[Pharmacokinetics of intrathecal chemotherapy and clinical problems] Fujimoto T. **Gan To Kagaku Ryoho** 1984 Aug; 11(8):1536-42 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

The effect of thiophosphamide on the proliferative activity of human tumor cells cultured in vivo in diffusion chambers. Korman DB, et al. **Arch Geschwulstforsch** 1984; 54(2):105-11

[Transitory effect of thiotepa on spermatogenesis] Danielli L, et al. **Harefuah** 1983 Mar 1;104(5):184-7 (Eng. Abstr.) (Heb)

[Proliferative activity of lymphocyte cultures due to the mutagenic action of thiophosphamide in vivo and in vitro] Stukalov SV, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):89-90 (Eng. Abstr.) (Rus)

[Comparative evaluation of the effect of bisazir and thiophosphamide sterilization on the sexual activity of male mosquitoes] Zakharova NF. **Med Parazitol (Mosk)** 1983 Jul-Aug;(4):38-42 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Therapy of essential thrombocythemia with thiotepa and chlorambucil. Case DC Jr. **Blood** 1984 Jan;63(1):51-4

Intrapelvic thiotepa for re-recurrence of transitional cell carcinoma of the renal pelvis in a solitary kidney. Wong SH, et al. **Br J Urol** 1984 Feb;56(1):98-9

Enhanced lethality by methylxanthines in human bladder cancer cells treated with thiotepa. Fingert HJ, et al. **J Urol** 1984 Sep;132(3):609-13

Warts--miracle cure? [letter] Sexton RA. **Med J Aust** 1983

Nov 12;2(10):514
[Comparative study of thiotepa and adriamycin as preventive intravesical treatment in non-infiltrating bladder tumors] Lancina Martín JA, et al. **Actas Urol Esp** 1983 Jul-Aug; 7(4):269-74 (Eng. Abstr.) **(Spa)**

TOXICITY

Electrophoretic enzyme variants detected in F1 progeny of males treated by alkylating mutagen. Paschin YuV, et al. **Mutat Res** 1984 Jan;125(1):71-4
[Changes in the occurrence of cytogenetic effects after mutagenic exposure in vivo] Stukalov SV, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):91-3 (Eng. Abstr.) **(Rus)**

URINE

Effects of pH and temperature on the stability and decomposition of N,N'N'-triethylenethiophosphoramide in urine and buffer. Cohen BE, et al. **Cancer Res** 1984 Oct; 44(10):4312-6

THIOACETAMIDE see under **ACETAMIDES**

THIOACETAZON see **THIACETAZONE**

THIOAMIDES see under **AMIDES**

THIOBACILLUS

ANALYSIS

Physicochemical characteristics of Thiobacillus A2 DNA. Wolska KI, et al. **Acta Microbiol Pol** 1983;32(1):91-4
Ornithine-containing lipids in Thiobacillus A2 and Achromobacter sp. Thiele OW, et al. **Eur J Biochem** 1984 Feb 15;139(1):131-5
[Identification and distribution of sulfur in Thiobacillus ferrooxidans cells] Gromova LA, et al. **Mikrobiologiia** 1983 May-Jun;52(3):455-60 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Sulfite oxidase activity in Thiobacillus novellus. Southerland WM, et al. **J Bacteriol** 1983 Nov;156(2):941-4
An enzymatic lysis procedure for the assay of enzymes in Thiobacillus A2. Lu WP, et al. **Microbios** 1983; 38(153-154):171-6

GENETICS

Cloning of a Thiobacillus ferrooxidans plasmid in Escherichia coli. Holmes DS, et al. **J Bacteriol** 1984 Jan;157(1):324-6
Transfer of plasmid RP1 into chemolithotrophic Thiobacillus neapolitanus. Kulpa CF, et al. **J Bacteriol** 1983 Oct; 156(1):434-6
Expression of a Thiobacillus ferrooxidans origin of replication in Escherichia coli. Rawlings DE, et al. **J Bacteriol** 1984 May;158(2):737-8

METABOLISM

Cytoplasmic pH homeostasis in an acidophilic bacterium, Thiobacillus acidophilus. Zychlinsky E, et al. **J Bacteriol** 1983 Dec;156(3):1352-5
Use of carboxylic acids by Thiobacillus A2. Wood AP, et al. **Microbios** 1983;38(151):15-25
[Nature of the sulfur-containing component and its function in Thiobacillus ferrooxidans] Karavaiko GI, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):559-62 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of Thiobacillus albertis glycocalyx in the adhesion of cells to elemental sulfur. Bryant RD, et al. **Can J Microbiol** 1984 Jan;30(1):81-90

THIOBACILLUS THIOOXIDANS see under **THIOBACILLUS**

THIOBARBITURATES

A method to detect 2-keto-3-deoxyoctanat and related compounds on pherograms and chromatograms. Brade H, et al. **Anal Biochem** 1983 Jul 1;132(1):158-9
A method to reduce interference by sucrose in the detection of thiobarbituric acid-reactive substances. Shlafer M, et al. **Anal Biochem** 1984 Mar;137(2):269-76

ANALYSIS

[Effect of the SDS addition on the pH dependency of TBA value obtained from rat liver homogenate] Mihara M, et al. **Eisei Shikenjo Hokoku** 1983;(101):104-6 (Eng. Abstr.) **(Jpn)**
[Studies on pathogenesis of muscular dystrophy: levels of thiobarbituric acid-reactive products in avian muscular dystrophy] Ohta K, et al. **No To Shinkei** 1984 Apr; 36(4):333-7 (Eng. Abstr.) **(Jpn)**

BLOOD

Amino acids and thiobarbituric acid reactive substances in cerebrospinal fluid and plasma of patients with septic encephalopathy. Takezawa J, et al. **Crit Care Med** 1983 Nov;11(11):876-9

DIAGNOSTIC USE

Effects of antioxidants on the TBA reaction of various rat liver homogenates. Mihara M, et al. **Biochem Med** 1983 Aug;30(1):131-4
High performance liquid chromatographic determination of lipoperoxides in rat plasma following derivatization to 1,3-diphenyl-2-thiobarbituric acid condensate. Nakashima K, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1654-7
[Effects of the addition of biological antioxidants on the thiobarbituric acid (TBA) reaction] Mihara M, et al. **Yakugaku Zasshi** 1983 Aug;103(8):889-94 (Eng. Abstr.) **(Jpn)**

METABOLISM

Production of thiobarbituric acid-reactive material during experimental cardiopulmonary bypass in cows. Fleming JS. **Artif Organs** 1984 Feb;8(1):91-6

THIOCARBAMATES

Potential exposure of commercial seed-treating applicators to the pesticides carboxin-thiram and lindane. Grey WE, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):244-50

ADMINISTRATION & DOSAGE

Effects of combined treatment with diethyldithiocarbamate and diethylenetriaminepentaacetate on organ distribution and excretion of cadmium. Gale GR, et al. **Ann Clin Lab Sci** 1983 Sep-Oct;13(5):425-31
Inhibition of spontaneous leukemia in F-344 rats by tetramethylthiuram disulfide (thiram). Takahashi M, et al. **Gann** 1983 Dec;74(6):810-3

ADVERSE EFFECTS

Contact urticaria to zinc diethyldithiocarbamate (ZDC). Helander I, et al. **Contact Dermatitis** 1983 Jul;9(4):327-8

ANALYSIS

Improved spectrophotometric method for the determination of thiram residues in grains. Verma BC, et al. **Analyst** 1984 May;109(5):649-50
Control of bacterial speck of tomato by copper and ethylenebisdithiocarbamate fungicides: their efficacy and residues on leaves. Bonn WG, et al. **J Environ Sci Health [B]** 1984 Feb;19(1):29-38
Residues of cycloate and influence of herbicides on some of nutritional factors in spinach. Czapski J, et al. **J Environ Sci Health [B]** 1983 Aug;18(4-5):497-503
[Dithiocarbate fungicides II. Levels of their residue on fruits and vegetables from the market] Di Muccio A, et al. **Nuovi Ann Ig Microbiol** 1982 Jan-Feb;33(1):67-71 (Eng. Abstr.) **(Ita)**
[Colorimetric and fluorometric determinations of cartap, an insecticide, by ion association with calcon] Sano T, et al. **Yakugaku Zasshi** 1983 Jun;103(6):650-4 (Eng. Abstr.) **(Jpn)**
[Determination of ethylenebis(dithiocarbamate) fungicides and thiram in the plants] Piechocka J. **Rocz Panstw Zakl Hig** 1984;35(1):83-8 (Eng. Abstr.) **(Pol)**
[Content of ethylenethiourea in commercial formulations based on ethylenebis(dithiocarbamates) under normal storage conditions] Sovljanski R, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):233-8 (Eng. Abstr.) **(Scr)**

BIOSYNTHESIS

1-thiocarbamoyl-2-imidazolidinone, a metabolite of niridazole in Schistosoma mansoni. Catto BA, et al. **Mol Biochem Parasitol** 1984 Jan;10(1):111-20

CHEMICAL SYNTHESIS

[Anticryptogamic activity of some aryl esters of N-benzyldithiocarbamic acid] Mazza M, et al. **Farmaco [Sci]** 1983 Aug;38(8):603-8 (Eng. Abstr.) **(Ita)**
[Aryl esters of N-benzyldithiocarbamic acid with antimycotic activity] Mazza M, et al. **Farmaco [Sci]** 1983 Sep;38(9):709-12 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

201Tl-diethyldithiocarbamate: a possible radiopharmaceutical for brain imaging. Vyth A, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):213-6
[Comparison of the dithiocarbamate and dicupral methods for the determination of trace amounts of copper (II) in raw materials and cosmetic products] Masłowska J, et al. **Rocz Panstw Zakl Hig** 1983;34(2):181-7 (Eng. Abstr.) **(Pol)**

METABOLISM

Diethyldithiocarbamic acid-methyl ester distribution, elimination, and LD50 in the rat after intraperitoneal administration. Faiman MD, et al. **Alcoholism (NY)** 1983 Summer;7(3):307-11
Identification and characterization of the glucuronide metabolite of diethyldithiocarbamic acid in the bile from the isolated perfused rat liver by gas chromatography and mass spectrometry. Eneanya DI, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep; 41(3):441-54

PHARMACODYNAMICS

Sodium diethyldithiocarbamate (imuthiol) and cancer. Renoux G, et al. **Adv Exp Med Biol** 1983;166:223-39
Dithiocarbamates and cadmium metabolism: further correlations of cadmium chelate partition coefficients with pharmacologic activity. Gale GR, et al. **Ann Clin Lab Sci** 1984 Mar-Apr;14(2):137-45
Mechanism of diethyldithiocarbamate, dihydroxyethyldithiocarbamate, and dicarboxymethyldithiocarbamate action of distribution and excretion of cadmium. Gale GR, et al. **Ann Clin Lab Sci** 1983 Nov-Dec;13(6):474-81
Effects of nickel chloride and diethyldithiocarbamate on metallothionein in rat liver and kidney. Sunderman FW Jr, et al. **Ann Clin Lab Sci** 1983 Nov-Dec;13(6):489-95
Sodium diethyldithiocarbamate administration in nickel-induced malignant tumors. Sunderman FW Sr, et al. **Ann Clin Lab Sci** 1984 Jan-Feb;14(1):1-9
Placental transfer and fetal distribution of lead in mice after treatment with dithiocarbamates. Danielsson BR, et al. **Arch Toxicol** 1984 Mar;55(1):27-33
Redistribution and increased brain uptake of lead in rats after treatment with diethyldithiocarbamate. Oskarsson A. **Arch Toxicol [Suppl]** 1983;6:279-84
The effect of diethyldithiocarbamate on the lipid peroxidation of rat-liver microsomes and intact hepatocytes. Koster JF, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3307-10
Protective action of diethyldithiocarbamate and carbon disulfide against renal injury induced by chloroform in mice. Masuda Y, et al. **Biochem Pharmacol** 1983 Nov 1; 32(21):3127-35
Delayed ethanol elimination from rat blood after treatment with thiram, tetramethylthiuram monosulfide, ziram, or cyanamide. Römer KG, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):537-42
Modification of the bone marrow toxicity of cis-diamminedichloroplatinum(II) in mice by diethyldithiocarbamate. Evans RG, et al. **Cancer Res** 1984 Sep;44(9):3686-90
Inhibition of etoposide-induced DNA damage and cytotoxicity in L1210 cells by dehydrogenase inhibitors and other agents. Wozniak AJ, et al. **Cancer Res** 1984 Feb; 44(2):626-32
Effects of newly synthesised platinum(ii) complexes on mitochondrial functions. Beltrame M, et al. **Chem Biol Interact** 1984 Jul;50(2):247-54
Blood acetaldehyde levels in alcohol-dosed rats after treatment with ANIT, ANTU, dithiocarbamate derivatives, or cyanamide. García de Torres G, et al. **Drug Chem Toxicol** 1983;6(4):317-28
Antioxidant effect of diethyldithiocarbamate on microsomal lipid peroxidation assessed by low-level chemiluminescence and alkane production. Bartoli GM, et al. **FEBS Lett** 1983 Dec 12;164(2):371-4
Involvement of brain neocortex and liver in the regulation of T cells: the mode of action of sodium diethyldithiocarbamate (imuthiol). Renoux G, et al. **Immunopharmacology** 1984 Apr;7(2):89-100
Scanning electron microscopic study of the effects of tolciclate & clotrimazole on Trichophyton rubrum. Jacob Z, et al. **Indian J Med Res** 1983 Oct;78:518-23
The influence of diethyl-dithiocarbamate ('Imuthiol') on mononuclear cells in vitro. Corke CF. **Int J Immunopharmacol** 1984;6(3):245-7
Post-irradiation diethyldithiocarbamate-inhibition of CuZn superoxide dismutase reduces clonogenic survival of Chinese hamster V-79 cells. Westman G, et al. **Int J Radiat Biol** 1984 Jan;45(1):11-20
Effects of diethyldithiocarbamate, an inhibitor of interferon antiviral activity, upon human natural killer cells. Edwards BS, et al. **J Immunol** 1984 Jun;132(6):2868-75
Effects of diethyldithiocarbamate on human natural killer cells [letter] Renoux G. **J Immunol** 1984 Oct;133(4):2278
The effects of diethyldithiocarbamate and carbon disulfide on acute nephrotoxicity induced by furan, bromobenzene and cephaloridine in mice. Masuda Y, et al. **Jpn J Pharmacol** 1984 Feb;34(2):221-9
Effects of diethyldithiocarbamate on life span, metabolic rate, superoxide dismutase, catalase, inorganic peroxides and glutathione in the adult male housefly, Musca domestica. Sohal RS, et al. **Mech Ageing Dev** 1984 Feb;24(2):175-83
Inhibition of dimethylnitrosamine-induced mutagenesis in Arabidopsis thaliana by diethyldithiocarbamate and carbon monoxide. Gichner T, et al. **Mutat Res** 1984 Jan; 139(1):29-33
Effect of diethyldithiocarbamate on platelet aggregation. Kimura A, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb; 47(1):164-72
In vitro interaction of dithiocarb with rat liver glutathione S-transferases. Dierickx PJ. **Pharmacol Res Commun** 1984 Feb;16(2):135-43
Diethyldithiocarbamate depresses the acoustic startle response in rats. Storm JE, et al. **Psychopharmacology (Berlin)** 1984;82(1-2):68-72
The effect of sodium diethanolamine dithiocarbamate on distribution and excretion of Cd in rats drinking Cd-containing water. Cikrt M, et al.

Res Commun Chem Pathol Pharmacol 1984 Mar; 43(3):497–505

Heterocyclic N–dithiocarboxylates as cadmium antagonists: 4–hydroxypiperidine– and 4–carboxamidopiperidine–N–dithiocarboxylate. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1984 Feb; 43(2):281–98

Comparative effects of N,N–disubstituted dithiocarbamates and dimercaptosuccinate on mobilization of methylmercury in mice. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul;45(1):119–35

Effects of combined treatment with diethyldithiocarbamate and dihydroxyethyldithiocarbamate on distribution and excretion of cadmium. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):293–302

Prevention of butylated hydroxytoluene–induced lung damage by diethyldithiocarbamate and carbon disulfide in mice. Masuda Y, et al. **Toxicol Appl Pharmacol** 1984 Aug; 75(1):81–90

Protective action of diethyldithiocarbamate and carbon disulfide against acute toxicities induced by 1,1–dichloroethylene in mice. Masuda Y, et al. **Toxicol Appl Pharmacol** 1983 Oct;71(1):42–53

Influence of rat brain superoxide dismutase inhibition by diethyldithiocarbamate upon the rate of development of central nervous system oxygen toxicity. Puglia CD, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):258–64

Synergistic induction of microsomal heme oxygenase activity in rat liver and kidney by diethyldithiocarbamate and nickel chloride. Sunderman FW Jr, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):436–44

Effect of thiocarbonyl compounds on alpha–naphthylisothiocyanate–induced hepatotoxicity and the urinary excretion of [35S]alpha–naphthylisothiocyanate in the rat. Traiger GJ, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):504–12

[Effect of perocin (zineb) on the quality of ovine seminal fluid] Savov A, et al. **Vet Med Nauki** 1984;21(2):58–62 (Eng. Abstr.) **(Bul)**

[Effect of carbamate pesticides on the induction of hepatic enzymes of the rat and on the microsomal phospholipid changes] Mountié J, et al. **Arch Latinoam Nutr** 1983 Sep; 33(3):664–78 (Eng. Abstr.) **(Fre)**

[Antimycotic effect of Tolciclate] Wildfeuer A, et al. **Mykosen** 1984 Mar;27(3):142–52 (Eng. Abstr.) **(Ger)**

[Effect of padan on active sodium transport in the epithelium of isolated frog skin] Kontek M, et al. **Med Pr** 1984; 35(1):7–11 (Eng. Abstr.) **(Pol)**

[The effect of Avipron and Mankozeb on the activity of enzymes functioning in the detoxication reactions of the body of rats kept on different diets] Pużyńska L. **Przegl Lek** 1983;40(7):579–82 (Eng. Abstr.) **(Pol)**

[Effect of pesticides: cartap and monocrotophos on the invasiveness of ova of Ascaris suum and on the pathomorphological changes in the lung and liver of Cavia porcellus with experimental ascariasis] Rostkowska J, et al. **Wiad Parazytol** 1983;29(3):309–16 (Eng. Abstr.) **(Pol)**

[Action of diethyldithiocarbamate on superoxide dismutase activity in the rat heart] Matiushin AI, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):46–9 (Eng. Abstr.) **(Rus)**

POISONING

Acute central nervous system changes due to intoxication by Manzidan (a combined dithiocarbamate of Maneb and Zineb). Israeli R, et al. **Arch Toxicol [Suppl]** 1983;6:238–43

[Neurosecretory function of the hypothalamus after Cynkotox poisoning] Pietrzak M, et al. **Endokrynol Pol** 1983;34(4):275–87 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Influence of dithiocarb, (+)–catechin and silybine on halothane hepatotoxicity in the hypoxic rat model. Siegers CP, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug; 53(2):125–9

Mobilization of aged cadmium deposits by dithiocarbamates. Shinobu LA, et al. **Arch Toxicol** 1983 Nov;54(3):235–42

Phenithionate in schistosomiasis japonica. Preliminary report of 463 cases. Liu YH, et al. **Chin Med J [Engl]** 1983 Apr; 96(4):269–74

Structure–activity relationships among dithiocarbamate antidotes for acute cadmium chloride intoxication. Jones SG, et al. **Environ Health Perspect** 1984 Mar;54:285–90

An in vivo study of the radioprotective effect of diethyldithiocarbamate (DDC). Evans RG, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1635–40

[Clinical observation on schistosomiasis japonica treated with amoscanate and phenithionate in a hyperendemic area] Zhou GX. **Chung Hua Nei Ko Tsa Chih** 1983 Oct; 22(10):634–5 (Eng. Abstr.) **(Chi)**

[Double–blind evaluation of the antimycotic activity of econazole and tolciclate] Pigatto PD, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):XI–XIV (Eng. Abstr.) **(Ita)**

TOXICITY

Light and electron microscopic studies on the cytological changes in the rat pancreatic islets induced by sodium diethyl dithiocarbamate (DEDTC) administration. Nakamura M, et al. **Acta Anat (Basel)** 1984;119(2):86–93

Enzyme inhibition as a possible mechanism of the mutagenicity of dithiocarbamic acid derivatives in Salmonella typhimurium. Rannug A, et al. **Chem Biol Interact** 1984 May;49(3):329–40

Pre– and postimplantation embryotoxic effects of zinc dimethyldithiocarbamate (Ziram) in the rat. Giavini E, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):531–7

Diallate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan;30:235–44

Sulfallate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan;30:283–91

Decreased fertility, increased dominant lethals, skeletal malformations induced in the mouse by Ziram fungicide. Cilievici O, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep; 29(3):159–65

Evaluation of Propineb, a dithiocarbamate pesticide, in the mouse–sperm morphology assay. Quinto I, et al. **Mutat Res** 1983 Dec;124(3–4):235–40

Dithiocarbamate pesticides: activity of Propineb in the micronucleus test in mice. Rolandi A, et al. **Mutat Res** 1984 Mar;135(3):193–7

Evaluation of diallate and triallate herbicides for genotoxic effects in a battery of in vitro and short–term in vivo tests. Sandhu SS, et al. **Mutat Res** 1984 Jun;136(3):173–83

Genotoxic effects of additives in synthetic elastomers with special consideration to the mechanism of action of thiurams and dithiocarbamates. Rannug A, et al. **Prog Clin Biol Res** 1984;141:407–19

The antifertility and antiadrenergic actions of thiocarbamate fungicides in laying hens. Serio R, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):333–42

Effects of diethyldithiocarbamate and nickel chloride on glutathione and trace metal concentrations in rat liver. Sunderman FW Jr, et al. **Toxicology** 1984 Jul;32(1):11–21

Inhibition of photosystem II of nitrogen–fixing blue–green alga Nostoc linckia by the rice–field herbicide benthiocarb. Singh RK, et al. **Z Allg Mikrobiol** 1983;23(7):435–41

[The value of determining enzyme activity in the liver and serum in toxicology] Urbanek–Karłowska B, et al. **Przegl Lek** 1984;41(2):227–9 (Eng. Abstr.) **(Pol)**

[Hygienic characteristics of the pesticide polychom] Shitskova AP, et al. **Gig Sanit** 1984 Feb;(2):32–4 (Eng. Abstr.) **(Rus)**

[Determination of maximum permissible exposure level for the herbicide vernam in the air of a working zone] Karpenko VN, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):49–50 **(Rus)**

THIOCHOLINE see under **CHOLINE**

THIOCTIC ACID see **LIPOIC ACID**

THIOCYANATES

Identification of a fluorescent dye–containing peptide of glyceraldehyde–3–phosphate dehydrogenase. Osman IR, et al. **Acta Biochim Biophys Acad Sci Hung** 1983;18(3–4):163–7

High sensitivity method for fluorofore detection in gradient polyacrylamide slab gels through excitation by laser light: application to glycoproteins stained with concanavalin A–fluorescein isothiocyanate. Cotrufo R, et al. **Anal Biochem** 1983 Oct 15;134(2):313–9

Amino acid analysis by reverse–phase high–performance liquid chromatography: precolumn derivatization with phenylisothiocyanate. Heinrikson RL, et al. **Anal Biochem** 1984 Jan;136(1):65–74

Advantages of preelectrophoretic conjugation of polypeptides with fluorescent dyes. Strottmann JM, et al. **Anal Biochem** 1983 Jul 15;132(2):334–7

The reaction of fluorescein isothiocyanate with thiols: a method for assay of isothiocyanates. Wilderspin AF, et al. **Anal Biochem** 1983 Jul 15;132(2):449–55

Hapten–mediated immunopurification of membrane proteins labeled with fluorescein derivatives. Gundersen GG, et al. **Biochim Biophys Acta** 1984 May 25;799(1):68–79

Antibody–directed liposomes. Determination of affinity constants for soluble and liposome–bound antifluorescein. Heath TD, et al. **Biochim Biophys Acta** 1984 Mar 14; 770(2):148–58

Fluorescein conjugates as indicators of subcellular pH. A critical evaluation. Geisow MJ. **Exp Cell Res** 1984 Jan; 150(1):29–35

16,16–dimethyl–PGE2 protection against alpha–naphthylisothiocyanate–induced experimental cholangitis in the rat. Ruwart MJ, et al. **Hepatology** 1984 Jul–Aug;4(4):658–60

Pregnancy–related changes in the mouse oviduct and uterus revealed by differential binding of fluoresceinated lectins. Lee MC, et al. **Histochemistry** 1983;79(3):365–75

Binding of fluorescein isothiocyanate conjugated lectins to rat spermatogenic cells in tissue sections. Enhancement of lectin fluorescence obtained by fixation in Bouin's fluid. Söderström KO, et al. **Histochemistry** 1984;80(6):575–9

Spectrophotometric determination of vanadium in complex materials using N–m–TMBHA and thiocyanate. Baveja AK, et al. **Int J Environ Anal Chem** 1984;17(3–4):299–306

In vivo comparison of the nailfold capillary diameter as determined by using the erythrocyte column and FITC–labelled albumin. Mahler F, et al. **Int J Microcirc Clin Exp** 1983;2(2):147–55

A rapid procedure for preparing fluorescein–labeled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture. Talian JC, et al. **J Cell Biol** 1983 Oct;97(4):1277–82

High–performance liquid chromatographic resolution of enantiomers of 1–phenyl–2–aminopropanes (amphetamines) with four chiral reagents. Miller KJ, et al. **J Chromatogr** 1984 May 11;307(2):335–42

Group–directed modification of bacteriorhodopsin by arylisothiocyanates. Labeling, identification of the binding site and topology. Sigrist H, et al. **J Mol Biol** 1984 Feb 15;173(1):93–108

Adsorption of 60Co on non–ionic macro–reticular resin impregnated tetraphenylarsonium chloride or tetraphenylarsonium thiocyanate. Imai K, et al. **J Radiat Res (Tokyo)** 1983 Jun;24(2):148–53

[Assay of organic bases in pharmaceutical preparations using cobalt thiocyanate] Lemli J, et al. **Pharm Weekbl [Sci]** 1983 Aug 26;5(4):142–4 (Eng. Abstr.) **(Fre)**

[DABITC microsequence analysis of proteins] Hirano H. **Tanpakushitsu Kakusan Koso** 1984 May;29(5):374–82 **(Jpn)**

ADMINISTRATION & DOSAGE

Intake of thiocyanate by way of milk and its possible effect on thyroid function. Dahlberg PA, et al. **Am J Clin Nutr** 1984 Mar;39(3):416–20

[Effect of allyl isothiocyanate on cytochrome P–450 of rat liver microsomes] Plass R, et al. **Nahrung** 1983; 27(10):1003–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Side effects on the nervous system caused by nithiocyamine. Clinical observation of 47 cases] Wu LS, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Aug;22(8):477–9 (Eng. Abstr.) **(Chi)**

ANALYSIS

FITC–inulin as a kidney tubule marker in the rat. Sohtell M, et al. **Acta Physiol Scand** 1983 Nov;119(3):313–6

The reaction of fluorescein isothiocyanate with thiols: a method for assay of isothiocyanates. Wilderspin AF, et al. **Anal Biochem** 1983 Jul 15;132(2):449–55

Detection of the hypothiocyanite (OSCN–) ion in human parotid saliva and the effect of pH on OSCN– generation in the salivary peroxidase antimicrobial system. Pruitt KM, et al. **Arch Oral Biol** 1983;28(6):517–25

[Determination of thiocyanate ions in saliva by coupling high performance liquid chromatography with specific electrode] Guyon F, et al. **C R Seances Acad Sci [III]** 1983; 297(5):237–40 (Eng. Abstr.) **(Fre)**

[Gel filtration chromatography on Sephadex G 10 for thiocyanate determination in biological materials] Jess G, et al. **Pharmazie** 1983 Nov;38(11):785 **(Ger)**

ANTAGONISTS & INHIBITORS

Cystine antagonism of the antibacterial action of lactoperoxidase–thiocyanate–hydrogen peroxide on Streptococcus agalactiae. Mickelson MN, et al. **Appl Environ Microbiol** 1984 Feb;47(2):338–42

BLOOD

Consumption of 'low–yield' cigarettes: its frequency and relationship to serum thiocyanate. Folsom AR, et al. **Am J Public Health** 1984 Jun;74(6):564–8

Carboxyhemoglobin, cotinine, and thiocyanate assay compared for distinguishing smokers from non–smokers. Pojer R, et al. **Clin Chem** 1984 Aug;30(8):1377–80

Determination of cyanide and thiocyanate in blood plasma and red cells by high–performance liquid chromatography with fluorometric detection. Toida T, et al. **J Chromatogr** 1984 Jun 8;308:133–41

Passive smoking and thiocyanate concentrations in pregnant women and newborns. Hauth JC, et al. **Obstet Gynecol** 1984 Apr;63(4):519–22

Indirect measures of cigarette use: expired–air carbon monoxide versus plasma thiocyanate. Fortmann SP, et al. **Prev Med** 1984 Jan;13(1):127–35

[Parallel thiocyanate determination in serum and blood of smokers and nonsmokers] Paetzelt H, et al. **Pharmazie** 1984 Feb;39(2):127–8 **(Ger)**

CHEMICAL SYNTHESIS

3'–Isothiocyanatobenzamido[3H]cholate, a new affinity label for hepatocellular membrane proteins responsible for the uptake of both bile acids and phalloidin. Ziegler K, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):11–22

DIAGNOSTIC USE

Lectins in the unicellular Tetrahymena. I. Lectin detection with FITC–labeled anti–lectins. Csaba G, et al. **Acta Histochem (Jena)** 1983;73(1):53–61

Granules of blood eosinophils are stained directly by anti–immunoglobulin fluorescein isothiocyanate conjugates. Floyd K, et al. **Am J Vet Res** 1983 Nov; 44(11):2060–3

Quality control of fluorescein isothiocyanate–labeled reagents. Chantler S, et al. **Ann NY Acad Sci** 1983; 420:68–73

The emigration of lymphocytes from palatine tonsils after local labelling. Pabst R, et al. **Arch Otorhinolaryngol** 1984;

240(1):7–13
Fluorescein isothiocyanate as a cell marker for tracing lymphocyte circulation in sheep. Schnorr KL, et al. **Int Arch Allergy Appl Immunol** 1983;72(3):239–42
Observations on organ distribution of fluorescein-labelled tumour cells released intravascularly. Potter KM, et al. **Invasion Metastasis** 1983;3(4):221–33
Immunoassays for serum C-reactive protein employing fluorophore-labelled reactants. Nargessi RD, et al. **J Immunol Methods** 1984 Jun 8;71(1):17–24
An alternative to PPD for reducing the bleaching of fluorescein, evaluated in bacterial immunofluorescence assays [letter] Phillips AP. **J Immunol Methods** 1984 Jan 20;66(1):189–90
The preparation and use of fluorescent-protein conjugates for microvascular research. McDonagh PF, et al. **Microvasc Res** 1984 Jan;27(1):14–27
Direct immunofluorescence for ABH blood group isoantigens: use of FITC-conjugated lectins. Ghazizadeh M, et al. **Urology** 1983 Oct;22(4):381–4
[Analysis of heptaminol in pharmaceutic preparations by liquid chromatography following derivatization with 4-N,N-dimethylaminoazobenzene-4-isothiocyanate] Bauer M, et al. **J Chromatogr** 1984 Jun 1;292(2):468–72 **(Fre)**

IMMUNOLOGY

The analysis of an anti-fluorescein cytotoxic response. Christensen N, et al. **Eur J Immunol** 1983 Sep;13(9):701–7

METABOLISM

Salivary thiocyanate in pregnant smokers: a comparison of two collection methods. Nowicki P, et al. **Addict Behav** 1984;9(1):33–9
Complement protein C9 labeled with fluorescein isothiocyanate can be used to monitor C9 polymerization and formation of the cytolytic membrane lesion. Sims PJ. **Biochemistry** 1984 Jul 3;23(14):3248–60
Clinical pharmacokinetics of nitroprusside, cyanide, thiosulphate and thiocyanate. Schulz V. **Clin Pharmacokinet** 1984 May–Jun;9(3):239–51 (89 ref.)
A mouthrinse which optimizes in vivo generation of hypothiocyanite. Mansson-Rahemtulla B, et al. **J Dent Res** 1983 Oct;62(10):1062–6
Thiocyanates and iodine in endemic goiter in Italy. Costa A, et al. **J Endocrinol Invest** 1984 Apr;7(2):103–10
Allyl isothiocyanate: comparative disposition in rats and mice. Ioannou YM, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):173–81
Metabolism of some naturally occurring isothiocyanates in the rat. Mennicke WH, et al. **Xenobiotica** 1983 Apr; 13(4):203–7
[The alimentary ingestion, analysis and biological significance of thiocyanate] Weuffen W, et al. **Nahrung** 1984; 28(4):341–55 (72 ref.) (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Inhibition of iodide accumulation by perchlorate and thiocyanate in a model of the thyroid iodide transport system. Saito K, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):456–61
The protective effect of peroxidase and thiocyanate against hydrogen peroxide toxicity assessed by the uptake of [3H]-thymidine by human gingival fibroblasts cultured in vitro. Tenovuo J, et al. **Arch Oral Biol** 1984;29(6):445–51
A kinetic study of the reaction between human myeloperoxidase, hydroperoxides and cyanide. Inhibition by chloride and thiocyanate. Bolscher BG, et al. **Biochim Biophys Acta** 1984 Jul 17;788(1):1–10
On the effects of thiocyanate and venturicidin on respiration-driven proton translocation in Paracoccr denitrificans. Hitchens GD, et al. **Biochim Biophys Acta** 1984 Jul 27;766(1):222–32
Inactivation of human alkaline phosphatase by sodium thiocyanate. Hirano K, et al. **Chem Pharm Bull (Tokyo)** 198? Sep;31(9):3248–54
Effect of thiocyanate on ions transport across the rat gastric mucosa. Wang MD, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):46–50
Pharmacological modification of rabbit corneal endothelial transport and permeability. Green K, et al. **Curr Eye Res** 1982–83;2(11):791–6
Blood acetaldehyde levels in alcohol-dosed rats after treatment with ANIT, ANTU, dithiocarbamate derivatives, or cyanamide. Garcia de Torres G, et al. **Drug Chem Toxicol** 1983;6(4):317–28
Selective and reversible inhibition of heart sarcolemmal (Na+ + K+)-ATPase by p-bromophenyl isothiocyanate. Evidence for a sulfhydryl group in the ATP-binding site of the enzyme. Ziegelhöffer A, et al. **Gen Physiol Biophys** 1983 Dec;2(6):447–56
Bactericidal and cytotoxic effects of hypothiocyanite-hydrogen peroxide mixtures. Carlsson J, et al. **Infect Immun** 1984 Jun;44(3):581–6
Evidence for thiocyanate-sensitive peroxidase activity in human saliva. Cowman RA, et al. **J Clin Microbiol** 1983 Nov;18(5):1177–82
Diazotization and thiocyanate differentiate agonists from antagonists for the high- and low-affinity receptors of gamma-aminobutyric acid. Maksay G, et al. **J Neurochem** 1984 Jul;43(1):261–8
Effects of amoscanate on the utilization of glucose by Brugia pahangi and Litomosoides carinii. Nelson NF, et al. **J Parasitol** 1984 Feb;70(1):194–6
Lactoperoxidase and thiocyanate protect cultured mammalian cells against hydrogen peroxide toxicity. Hänström L, et al. **Med Biol** 1983;61(5):268–74
Alpha-naphthylisothiocyanate-induced necrosis as an adjunctive tool in discriminating among bile duct cells. Malvaldi G, et al. **Pathologica** 1984 Jan–Feb;76(1041):103–6
Interaction of amoscanate with the cyclic AMP-phosphodiesterases from Schistosoma mansoni, Onchocerca volvulus and bovine heart. Walter RD, et al. **Tropenmed Parasitol** 1984 Jun;35(2):78–80

THERAPEUTIC USE

Efficacy of amoscanate against experimental schistosomal infections in monkeys. Crawford KA, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1055–64
Amoscanate as a topically applied chemical for prophylaxis against Schistosoma mansoni infections in mice. Greene LK, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1356–63
Comparative efficacy of some benzimidazoles and amoscanate (Go.9333) against experimental filarial infections. Reddy AB, et al. **Tropenmed Parasitol** 1983 Dec; 34(4):259–62
[Clinical observation on schistosomiasis japonica treated with amoscanate and phenithionate in a hyperendemic area] Zhou GX. **Chung Hua Nei Ko Tsa Chih** 1983 Oct; 22(10):634–5 (Eng. Abstr.) **(Chi)**
[Efficacy of amoscanate derivatives in experimental schistosomiasis] Yue WJ, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):541–4 (Eng. Abstr.) **(Chi)**

TOXICITY

Isolation and partial characterizations of oval and hyperplastic bile ductular cell-enriched populations from the livers of carcinogen and noncarcinogen-treated rats. Sirica AE, et al. **Cancer Res** 1984 Aug;44(8):3454–66
Effect of thiocarbonyl compounds on alpha-naphthylisothiocyanate-induced hepatotoxicity and the urinary excretion of [35S]alpha-naphthylisothiocyanate in the rat. Traiger GJ, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):504–12
Early effects of high-dosed absorbable amoscanate on rat brain. Krinke G, et al. **Toxicol Lett** 1983 Dec;19(3):261–6
[Effect of cianidanol (KB-53) on delayed skin reactions in mice compromised by carbon tetrachloride and 1-naphthylisothiocyanate] Tajima S, et al. **Nippon Yakurigaku Zasshi** 1983 Jun;81(6):529–38 (Eng. Abstr.) **(Jpn)**

URINE

Urinary volume, creatinine and thiocyanate of Africans of a tropical savanna region. Mahoney TA, et al. **Afr J Med Med Sci** 1983 Jun;12(2):71–5
[Determination of urine thiocyanate in patients with amyotrophic lateral sclerosis] Yoshida Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Mar;73(3):316–22 **(Jpn)**

THIOETHERS see **SULFIDES**

THIOGALACTOSIDES see under **THIOGLYCOSIDES**

THIOGLUCOSIDES see under **THIOGLYCOSIDES**

THIOGLYCOLATES

METABOLISM

Evidence for synergistic anion binding to iron in ovotransferrin complexes from resonance Raman and extended X-ray absorption fine structure analysis. Schneider DJ, et al. **J Biol Chem** 1984 Aug 10; 259(15):9699–703

PHARMACODYNAMICS

Quantitation of macrophage activation. Vas SI, et al. **Acta Microbiol Hung** 1983;30(3–4):217–26
Use of reducing compounds in the cultivation of Azospirillum sp. Venkateswarlu B, et al. **Acta Microbiol Hung** 1983; 30(2):99–102
Inhibition in vitro of acyl-CoA dehydrogenases by 2-mercaptoacetate in rat liver mitochondria. Bauché F, et al. **Biochem J** 1983 Dec 1;215(3):457–64
Application of calcium thioglycolate to improve transdermal delivery of theophylline in rats. Kushida K, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):268–74
Glycogen synthesis in resident and thioglycollate-elicited rat peritoneal exudate cells. Eichner RD, et al. **Int J Biochem** 1983;15(12):1485–8
Inactivation of beef plasma amine oxidase by sulfide. Dooley DM, et al. **J Biol Chem** 1984 Mar 10;259(5):2923–6
Characterization of the binding site on thioglycolate-stimulated mouse peritoneal macrophages that mediates the uptake of very low density lipoproteins. Kraemer FB, et al. **J Biol Chem** 1983 Oct 25; 258(20):12190–7
Systematic investigation of enrichment media for wild-type Campylobacter jejuni strains. Barot MS, et al. **J Clin Microbiol** 1984 Jul;20(1):77–80
Agar accumulates in rat peritoneal macrophages elicited with thioglycollate broth. Eichner RD, et al. **Scand J Immunol** 1983 Sep;18(3):259–63

URINE

Sensitive flame-photometric-detector analysis of thiodiglycolic acid in urine as a biological monitor of vinyl chloride. Chen ZY, et al. **Int Arch Occup Environ Health** 1983;52(3):281–4
Thiodiglycollic acid in neonatal urine: an indication of novel metabolism, not toxic exposure to vinyl chloride [letter] Pettit BR, et al. **Lancet** 1984 Aug 11;2(8398):359

THIOGLYCOSIDES

ANALYSIS

A polarographic method for the simultaneous determination of total glucosinolates and free glucose of cruciferous material. Iori R, et al. **Anal Biochem** 1983 Oct 1; 134(1):195–8
5-Methylthioribose kinase (Enterobacter aerogenes). Ferro AJ, et al. **Methods Enzymol** 1983;94:361–4

CHEMICAL SYNTHESIS

Beta-thiomaltosides as active site probes for alpha-amylase. Stankiewicz PJ, et al. **J Appl Biochem** 1983 Dec;5(6):388–98

METABOLISM

Involvement of lactose enzyme II of the phosphotransferase system in rapid expulsion of free galactosides from Streptococcus pyogenes. Reizer J, et al. **J Bacteriol** 1983 Oct;156(1):236–42
Mechanism of inducer expulsion in Streptococcus pyogenes: a two-step process activated by ATP. Reizer J, et al. **J Bacteriol** 1983 Oct;156(1):354–61

PHARMACODYNAMICS

Comparison of the effects of Brussels sprouts, glucosinolates, and glucosinolate metabolite consumption on rat hepatic polysubstrate monooxygenases. Miller KW, et al. **Dev Toxicol Environ Sci** 1983;11:341–4
[Endo-beta-1,3-glucanase using affinity inhibition] Lakizova IIu, et al. **Biokhimiia** 1983 Oct;48(10):1661–6 (Eng. Abstr.) **(Rus)**

POISONING

Rapeseed induced liver haemorrhage, reticulolysis and biochemical changes in laying hens: the effects of feeding high and low glucosinolate meals. Martland MF, et al. **Res Vet Sci** 1984 May;36(3):298–309

TOXICITY

5-Methylthioribose. Its effects and function in mammalian cells. Riscoe MK, et al. **J Biol Chem** 1984 May 10; 259(9):5465–71

THIOGUANINE

DIAGNOSTIC USE

Induction of temperature-sensitive 6-thioguanine-resistant mutants as a measure of base-pair substitution mutations in Chinese hamster ovary cells. O'Neill JP. **Mutat Res** 1984 Feb;139(2):95–100

PHARMACODYNAMICS

Synergistic interaction between acivicin (AT-125) and 6-thioguanine in the murine leukemia L1210. Biochemical and cytokinetic considerations. Bhalla K, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):247–54
Induction of 6-thioguanine-resistant mutants and single-strand scission of DNA by cadmium chloride in cultured Chinese hamster cells. Ochi T, et al. **Mutat Res** 1983 Sep;111(1):69–78
A microtiter plate assay for the selection of 6-thioguanine-resistant mutants in Chinese hamster V79 cells in the presence of phorbol-12-myristate-13-acetate. Raveh D, et al. **Mutat Res** 1983 Oct;113(6):499–506
Occurrence of induced 6-thioguanine-resistant colonies in synchronized V79 cells after treatment with ftorafur. Effects of the S9 fraction. Slameňová D, et al. **Neoplasma** 1984;31(3).339–46
[6-Thioguanine inhibition of bacterial mutagenesis induced by cancerogenic dimethylnitrosamine] Khudoleĭ VV. **Vopr Onkol** 1984;30(1):88–9 **(Rus)**

THERAPEUTIC USE

Prospective randomized reappraisal of 5-fluorouracil in metastatic colorectal carcinoma. A comparative trial with 6-thioguanine. Presant CA, et al. **Cancer** 1984 Jun 15; 53(12):2610–4
Acute monocytic leukaemia complicating polycythaemia rubra vera: successful response to chemotherapy with recurrence of polycythaemia. Daly HM, et al. **Clin Lab Haematol** 1983;5(3):319–21

TOXICITY

6-Thioguanine-induced DNA damage as a determinant of cytotoxicity in cultured Chinese hamster ovary cells.

Christie NT, et al. **Cancer Res** 1984 Sep;44(9):3665–71

Cytotoxic and cytodifferentiative components of 6-thioguanine resistance in HL-60 cells containing acquired double minute chromosomes. Gallagher RE, et al. **Cancer Res** 1984 Jun;44(6):2642–53

Circulating immune complexes in rats bearing 6-thioguanine-resistant variants of the 13762 mammary adenocarcinoma. Hoon DB, et al. **Cancer Res** 1984 Jun; 44(6):2406–9

Altered 5-phosphoribosyl 1-pyrophosphate amidotransferase activity in 6-thioguanine-resistant HL-60 human acute promyelocytic leukemia cells. Ishiguro K, et al. **Cancer Res** 1984 Sep;44(9):3679–85

Enhancement of the rate of spontaneous mutation to 6-thioguanine resistance in mammalian cells by polyamine depletion. Kamatani N, et al. **Cancer Res** 1984 Oct; 44(10):4272–5

Comparison of 6-thioguanine-resistant mutation and sister chromatid exchanges in Chinese hamster V79 cells with forty chemical and physical agents. Nishi Y, et al. **Cancer Res** 1984 Aug;44(8):3270–9

Cell cycle events associated with the termination of proliferation by cytotoxic and differentiation-inducing actions of 6-thioguanine on HL-60 cells. Schwartz EL, et al. **Cancer Res** 1984 Sep;44(9):3907–10

DNA-mediated cotransfer of excision repair capacity and drug resistance into chinese hamster ovary mutant cell line UV-135. MacInnes MA, et al. **Mol Cell Biol** 1984 Jun; 4(6):1152–8

Resistance to 6-thioguanine in spontaneously cycling and in mitogen-stimulated human peripheral lymphocytes. Amnéus H, et al. **Mutat Res** 1984 Jan;139(1):41–4

Comparison of the frequency of diphtheria toxin and thioguanine resistance induced by a series of carcinogens to analyze their mutational specificities in diploid human fibroblasts. Aust AE, et al. **Mutat Res** 1984 Jan; 125(1):95–104

Differential toxicity of 3-aminobenzamide to wild-type and 6-thioguanine-resistant Chinese hamster cells by interference with pathways of purine biosynthesis. Cleaver JE. **Mutat Res** 1984 Mar-Apr;131(3–4):123–7

Forward mutation assay of V79 cells to 6-thioguanine resistance in a soft agar technique that eliminates effects of metabolic co-operation. Nishi Y, et al. **Mutat Res** 1984 Jan;125(1):105–14

Recovery of thioguanine-resistant cells from Chinese hamster V79 spheroids. Olive PL. **Mutat Res** 1984 Feb; 125(2):315–21

Sister-chromatid exchanges and thioguanine resistance in V79 Chinese hamster cells after treatment with the aneuploidy-inducing agent carbaryl +/- S9 mix. Onfelt A, et al. **Mutat Res** 1984 Feb;125(2):269–74

Measurement of spontaneous and X-irradiation-induced 6-thioguanine-resistant human blood lymphocytes using a T-cell cloning technique. Vijayalaxmi, et al. **Mutat Res** 1984 Jan;125(1):87–94

Variable differentiative response of 6-thioguanine-resistant HL60 sublines: possible relationship to double-minute chromosomes. Gallagher RE, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:283–6

6-THIOGUANINE see **THIOGUANINE**

THIOHYDANTOINS see under **HYDANTOINS**

THIOINOSINE see under **INOSINE**

THIOLESTER HYDROLASES

An enzymic cycling method for the determination of free fatty acids with acyl-CoA synthetase and acyl-CoA hydrolase. Kawaguchi A, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):487–92

ANALYSIS

The use of thioesterase II as a rat mammary epithelial cell-specific marker. Pasco D, et al. **Cell Tissue Res** 1983; 234(1):57–70

A cold-labile acetyl-coenzyme-A hydrolase from the supernatant fraction of rat liver. Reactivation and reconstitution of the active species from the inactive monomer. Isohashi F, et al. **Eur J Biochem** 1984 Jul 2; 142(1):177–81

Thioesterase II, a new marker enzyme for human cells of breast epithelial origin. Smith S, et al. **JNCI** 1984 Aug; 73(2):323–9

ANTAGONISTS & INHIBITORS

S-carbobenzoxyglutathione: a competitive inhibitor of mammalian glyoxalase II. Hsu YR, et al. **J Med Chem** 1983 Dec;26(12):1784–5

BIOSYNTHESIS

Induction of rat hepatic long-chain acyl-CoA hydrolases by various peroxisome proliferators. Katoh H, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1081–5

BLOOD

An enzyme with ubiquitin carboxy-terminal esterase activity from reticulocytes. Rose IA, et al. **Biochemistry** 1983 Aug 30;22(18):4234–7

Platelet glyoxalases in thrombocytosis. Leoncini G, et al. **Scand J Haematol** 1984 Jul;33(1):91–4

DEFICIENCY

Studies of erythrocyte glyoxalase II in various domestic species: discovery of glyoxalase II deficiency in the horse. Agar NS, et al. **Anim Blood Groups Biochem Genet** 1984; 15(1):67–70

GENETICS

Red cell glyoxalase II type in a Japanese population. Sugita H, et al. **Jinrui Idengaku Zasshi** 1983 Sep;28(3):201–3

ISOLATION & PURIFICATION

Purification of S-acyl fatty acid synthase thioester hydrolase by affinity chromatography with fatty acid synthase attached to Sepharose. Rogers L, et al. **Anal Biochem** 1984 Mar;137(2):444–8

Purification of rabbit myocardial cytosolic acyl-CoA hydrolase, identity with lysophospholipase, and modulation of enzymic activity by endogenous cardiac amphiphiles. Gross RW. **Biochemistry** 1983 Nov 22;22(24):5641–6

Solubilization, purification and kinetic properties of three membrane-bound long-chain acyl-coenzyme-A thioesterases from microsomes of photosynthetic tissue. Murphy DJ, et al. **Eur J Biochem** 1984 Jul 2;142(1):43–8

Generation of fatty acids by an acyl esterase in the bioluminescent system of Photobacterium phosphoreum. Carey LM, et al. **J Biol Chem** 1984 Aug 25; 259(16):10216–21

METABOLISM

Specificity of purified monoacylglycerol lipase, palmitoyl-CoA hydrolase, palmitoyl-carnitine hydrolase, and nonspecific carboxylesterase from rat liver microsomes. Mentlein R, et al. **Arch Biochem Biophys** 1984 Jan; 228(1):230–46

An acyl-thioesterase from yeast mitochondria. Stack R, et al. **Arch Biochem Biophys** 1983 Sep;225(2):704–12

Influence of temperature on stability and activity of lysolecithin acyltransferase and acyl-CoA hydrolase from rabbit lung. Estrada P, et al. **Biochem Int** 1984 Mar; 8(3):339–46

Activity changes of glyoxalases I-II and glutathione reductase in regenerating rat liver. Principato GB, et al. **Biochem Int** 1983 Feb;6(2):249–55

Enhancement of long-chain acyl-CoA hydrolase activity in peroxisomes and mitochondria of rat liver by peroxisomal proliferators. Berge RK, et al. **Eur J Biochem** 1984 Jun 15;141(3):637–44

Influence of dietary status on liver palmitoyl-CoA hydrolase, peroxisomal enzymes, CoASH and long-chain acyl-CoA in rats. Berge RK, et al. **Int J Biochem** 1984;16(4):403–10

THIOLS see **SULFHYDRYL COMPOUNDS**

THIOMALATES

BLOOD

Circulating thiomalate after administration of disodium aurothiomalate: impurity or active metabolite? Rudge SR, et al. **J Rheumatol** 1984 Apr;11(2):150–2

THIOMEBUMAL see **THIOPENTAL**

THIOMETON see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

THIONEINE see **ERGOTHIONEINE**

THIONES

ANALYSIS

Application of the ammonia gas-sensing electrode: determination of drugs having a carbothionamido group by decomposition with acid. Tagami S, et al. **J Pharm Sci** 1983 Sep;72(9):988–91

CHEMICAL SYNTHESIS

Some reactions of 2-aryl-4-chloromethyl-1,3,4-thiadiazoline-5-thiones. El-Barbary AA, et al. **Arch Pharm (Weinheim)** 1984 Jun; 317(6):547–55

THERAPEUTIC USE

DNA and RNA virus species are inhibited by xanthates, a class of antiviral compounds with unique properties. Sauer G, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3263–7

THIONUCLEOSIDES

ANALYSIS

Thiolated nucleotides in yeast transfer RNA. Laten HM, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):1–6

A simple and sensitive liquid chromatographic method for the determination of 5'-methylthioadenosine in tissues. Schanche JS, et al. **J Chromatogr** 1983 Nov 11; 278(1):189–92

CHEMICAL SYNTHESIS

Synthesis and antitumor activity of 7- and 9-(6'-deoxy-alpha-L-talofuranosyl) hypoxanthine and 9-(6'-deoxy-alpha-L-talofuranosyl)-6-thiopurine. Nelson V, et al. **J Med Chem** 1983 Oct;26(10):1527–30

METABOLISM

5'-Methylthioadenosine is the major source of adenine in human cells. Kamatani N, et al. **Adv Exp Med Biol** 1984; 165 Pt B:83–8

Methionine synthesis from 5'-methylthioadenosine by tumour cells. Tisdale MJ. **Biochem Pharmacol** 1983 Oct 1; 32(19):2915–20

Salvage of 5'-deoxy-methylthioadenosine into purines and methionine by lymphoid cells and inhibition of cell proliferation. Christa L, et al. **Biochim Biophys Acta** 1984 Feb 17;803(1–2):7–10

Correlation between growth inhibition and presence of 5'-methylthioadenosine in cells treated with interferon. de Ferra F, et al. **Cancer Res** 1984 Jun;44(6):2297–301

Characterization of a defect in the pathway for converting 5'-deoxy-5'-methylthioadenosine to methionine in a subline of a cultured heterogeneous human colon carcinoma. Ghoda LY, et al. **J Biol Chem** 1984 Jun 10; 259(11):6715–9

PHARMACODYNAMICS

Inhibition of dimethyl sulfoxide-induced differentiation of Friend erythroleukemic cells by 5'-methylthioadenosine. Di Fiore PP, et al. **Cancer Res** 1984 Sep;44(9):4096–103

Effect of 5'-methylthioadenosine on RNA and DNA synthesis in cultured Xenopus laevis cells. Law RE, et al. **Exp Cell Res** 1983 Sep;147(2):461–5

Measurement of adenosine metabolism and uptake in smooth muscle and effects of adenosine transport inhibitors. Baer HP, et al. **J Pharmacol Exp Ther** 1984 May;229(2):564–70

Effects of two methylthioadenosine analogues, SIBA and deaza-SIBA, on P. falciparum-infected red cells. Whaun JM, et al. **Prog Clin Biol Res** 1984;155:143–57

[Antiproliferative action of 5'-S-isobutyladenosine in vitro and in vivo on normal and neoplastic mouse cells] Mironova SB, et al. **Biull Eksp Biol Med** 1984 Jun; 97(6):708–10 (Eng. Abstr.) **(Rus)**

TOXICITY

Cytological effects of sulfur and selenium purine analogues on two transplantable hepatomas and on normal renewing cells in mice. Melvin JB, et al. **Cancer Res** 1984 Jul; 44(7):2794–8

THIONUCLEOTIDES

Direct mass spectroscopic method for determination of oxygen isotope position in adenosine 5'-O-(1-thiotriphosphate). Determination of the stereochemical course of the yeast phenylalanyl-tRNA synthetase reaction. Connolly BA, et al. **Biochemistry** 1984 Apr 24;23(9):2026–31

ADMINISTRATION & DOSAGE

Combination therapy of schistosomiasis by tubercidin and nitrobenzylthioinosine 5'-monophosphate. el Kouni MH, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6667–70

BLOOD

Childhood lymphoblastic leukaemia: sex difference in 6-mercaptopurine utilization. Lilleyman JS, et al. **Br J Cancer** 1984 Jun;49(6):703–7

METABOLISM

Stereochemical course of thiophosphoryl group transfer catalyzed by mitochondrial phosphoenolpyruvate carboxykinase. Sheu KF, et al. **Biochemistry** 1984 Apr 10; 23(8):1779–83

Phosphorothioate analogues of adenosine triphosphate as substrates of the mevalonate kinase reaction. Lee CS, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):131–7

The use of nucleotide phosphorothioate diastereomers to define the structure of metal-nucleotide bound to GTP-AMP and ATP-AMP phosphotransferases from beef-heart mitochondria. Tomasselli AG, et al. **Eur J Biochem** 1984 Jul 16;142(2):287–9

Adenosine 5'-O-(3-thio)triphosphate, a substrate and potent inhibitor of Escherichia coli succinyl-CoA synthetase. Additional evidence for a cooperative alternating-sites mechanism. Nishimura JS, et al. **J Biol Chem** 1984 Aug 10;259(15):9642–5

Enzymatic techniques for the isolation of random single-base substitutions in vitro at high frequency. Abarzúa P, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2030–4

PHARMACODYNAMICS

Differential inhibition by adenosine or by prostaglandin E1 of human platelet aggregation induced by adenosine 5'-O-(1-thiodiphosphate) and adenosine 5'-O-(2-thiodiphosphate). Cusack NJ, et al. **Br J Pharmacol** 1982 Feb;75(2):257–9

Inhibition of DNA polymerase-alpha from rat hepatoma with a series of new synthetic polynucleotides. Li ZR, et al. **Cancer Biochem Biophys** 1983;6(4):221–8

Modification by nitrobenzylthioinosine-5'-monophosphate of pseudoisocytidine pharmacokinetics in mice and rats through inhibition of membrane transport. Kolassa N, et al. **Cancer Treat Rep** 1983 Jan;67(1):51–8

Nuclear beta-globin RNA transcripts initiated in vitro with gamma-thio nucleoside triphosphate. Weidner DA, et al. **Cell Biophys** 1983 Dec;5(4):255–64

Electron microscopic studies of myosin molecules from chicken gizzard muscle II: The effect of thiophosphorylation of the 20K-dalton light chain on the ATP-induced change in the conformation of myosin monomers. Onishi H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1147–54

Interaction of 6-mercapto-GTP with bovine brain tubulin. Equilibrium aspects. Fishback JL, et al. **J Biol Chem** 1984 Feb 10;259(3):1968–73

Guanosine 5'-O-(3-thiotriphosphate), a potent nucleotide inhibitor of microtubule assembly. Hamel E, et al. **J Biol Chem** 1984 Sep 10;259(17):11060–9

Adenosine 5'-O-(3-thiotriphosphate) can support the formation of an initiation complex between the DNA polymerase III holoenzyme and primed DNA. Johanson KO, et al. **J Biol Chem** 1984 Apr 10;259(7):4589–95

The inhibitory guanine nucleotide-binding regulatory component of adenylate cyclase. Subunit dissociation and guanine nucleotide-dependent hormonal inhibition. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3578–85

The inhibitory guanine nucleotide-binding regulatory component of adenylate cyclase. Subunit dissociation and the inhibition of adenylate cyclase in S49 lymphoma cyc- and wild type membranes. Katada T, et al. **J Biol Chem** 1984 Mar 25;259(6):3586–95

Inhibition of glucagon-induced glycogenolysis in isolated rat hepatocytes by the Rp diastereomer of adenosine cyclic 3',5'-phosphorothioate. Rothermel JD, et al. **J Biol Chem** 1984 Jul 10;259(13):8151–5

Inhibition of glycogenolysis in isolated rat hepatocytes by the Rp diastereomer of adenosine cyclic 3',5'-phosphorothioate. Rothermel JD, et al. **J Biol Chem** 1983 Oct 25;258(20):12125–8

Stimulation of human fat cell adenylate cyclase by GDP and guanosine 5'-O-(2-thiodiphosphate). Schneyer CR, et al. **J Biol Chem** 1984 Jun 10;259(11):7038–44

ATP-gamma-S (adenosine 5'-0(3-thiotriphosphate)) blocks progesterone-induced maturation of the Xenopus oocyte. Bellé R, et al. **J Exp Zool** 1984 Jul;231(1):131–6

Chemical excitation of Limulus photoreceptors. II. Vanadate, GTP-gamma-S, and fluoride prolong excitation evoked by dim flashes of light. Corson DW, et al. **J Gen Physiol** 1983 Nov;82(5):659–77

Intracellular injection of guanyl nucleotides alters the serotonin-induced increase in potassium conductance in Aplysia neuron R15. Lemos JR, et al. **J Gen Physiol** 1984 Feb;83(2):269–85

Thiophosphorylation prevents catecholamine secretion by chemically skinned chromaffin cells. Brooks JC, et al. **Life Sci** 1984 Jul 30;35(5):569–74

THIOPENTAL

Awareness during intubation [letter] MacLeod DM. **Anaesthesia** 1984 Aug;39(8):835–6

The effect of age on recovery. A comparison of the kinetics of thiopentone and Althesin. Sear JW, et al. **Anaesthesia** 1983 Dec;38(12):1158–61

Alfentanil as an anesthetic induction agent—a comparison with thiopental-lidocaine. Bartkowski RR, et al. **Anesth Analg** 1984 Mar;63(3):330–4

Effect of age and premedication on thiopental sleep dose. Muravchick S. **Anesthesiology** 1984 Sep;61(3):333–6

Use of thiopental-lidocaine combination for elective cardioversion [letter] White PF. **Anesthesiology** 1984 May; 60(5):511–2

Comparison between midazolam and thiopentone-based balanced anaesthesia for day-case surgery. Crawford ME, et al. **Br J Anaesth** 1984 Feb;56(2):165–9

Protective effect of thiopentone on induced myalgias [letter] Manani G, et al. **Br J Anaesth** 1983 Nov;55(11):1165

Thiopentone infusions for neurosurgery in a developing country. Pereira NH, et al. **East Afr Med J** 1983 Apr; 60(4):242–8

Anaesthesia with continuous thiopentone infusion, epidural morphine and relaxant. Adu-Gyamfi Y, et al. **J Int Med Res** 1983;11(4):222–7

Equine anaesthetic incident [letter] Godsal MF. **Vet Rec** 1982 Jan 30;110(5):111

[Comparative study of thiopental and midazolam for induction of anesthesia] Driessen JJ, et al. **Anaesthesist** 1983 Oct;32(10):478–82 (Eng. Abstr.) **(Ger)**

[Leukocyte migration inhibition by intravenous anesthetics] Kitajima H. **Masui** 1983 Jul;32(7):811–7 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effect of premedication on the induction dose of thiopentone in children. Duncan BB, et al. **Anaesthesia** 1984 May; 39(5):426–8

Comparison of continuous infusion fentanyl or ketamine versus thiopental—determining the mean effective serum concentrations for outpatient surgery. White PF, et al. **Anesthesiology** 1983 Dec;59(6):564–9

Premedication with intramuscular midazolam: effect on induction time with intravenous midazolam compared to intravenous thiopentone or ketamine. Artru AA, et al. **Can Anaesth Soc J** 1984 Jul;31(4):359–63

Thiopental bolus during carotid endarterectomy-rational drug therapy? Moffat JA, et al. **Can Anaesth Soc J** 1983 Nov;30(6):615–22

Anaesthesia and glycogen storage diseases. Jayasuriya JP. **Ceylon Med J** 1982 Dec;27(4):202–5

Comparison of sodium thiopental and methohexital for high-dose barbiturate anesthesia. Boarini DJ, et al. **J Neurosurg** 1984 Mar;60(3):602–8

[Improvement in pharmacological properties of thiopental by gamma-cyclodextrin complexation] Arimori K, et al. **Yakugaku Zasshi** 1983 May;103(5):553–8 (Eng. Abstr.) **(Jpn)**

[Thiopental treatment of status epilepticus in children] Cerda M, et al. **Rev Chil Pediatr** 1983 Jul-Aug;54(4):249–53 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Accidental epidural thiopentone. Cay DL. **Anaesth Intensive Care** 1984 Feb;12(1):61–3

Thiopental: false-positive RAST in patients with elevated serum IgE. Dueck R, et al. **Anesthesiology** 1984 Sep; 61(3):337–8

Venous sequelae following the injection of etomidate or thiopentone i.v. Schou Olesen A, et al. **Br J Anaesth** 1984 Feb;56(2):171–3

Anaphylactic reaction to thiopentone: a case report. Westacott P, et al. **Can Anaesth Soc J** 1984 Jul;31(4):434–8

ANALOGS & DERIVATIVES

Pharmacokinetics and anesthetic potency of a thiopental isomer. Stanski DR, et al. **J Pharm Sci** 1983 Aug; 72(8):937–40

Time course of aldosterone and corticosterone plasma levels in rats during general anaesthesia and abdominal surgery. Fromm M, et al. **Pflugers Arch** 1983 Dec;399(4):249–54

[Experimental surgery in miniature swine MINI-LEWE under thiobarbiturate anesthesia] Stier H, et al. **Z Versuchstierkd** 1984;26(1):39–42 (Eng. Abstr.) **(Ger)**

ANALYSIS

Liquid chromatographic analysis of thiopental in blood and tissues. Levine B, et al. **J Anal Toxicol** 1983 Jul-Aug; 7(4):207–8

BLOOD

Acute tolerance to thiopental is alive and well [letter] Mark LC. **Anesthesiology** 1984 May;60(5):526–8

Aortocaval compression and plasma concentrations of thiopentone at caesarean section. Morgan DJ, et al. **Br J Anaesth** 1984 Apr;56(4):349–54

Rapid gas chromatographic assay for serum thiopental. Arranz Peña MI. **J Chromatogr** 1984 Jan 13;305(1):210–3

A high-performance liquid chromatographic method for methohexital and thiopental in plasma or whole blood. Björkman S, et al. **J Chromatogr** 1984 May 11;307(2):481–7

Micromethod for determination of thiopental in human plasma by high-performance liquid chromatography. Premel-Cabic A, et al. **J Chromatogr** 1983 Sep 9; 276(2):451–5

Thiopentone pharmacokinetics and electrocorticogram pattern in sheep. Toutain PL, et al. **J Vet Pharmacol Ther** 1983 Sep;6(3):201–9

[Simple and rapid determination of thiopental in serum by HPLC] Gruhl H, et al. **J Clin Chem Clin Biochem** 1984 May;22(5):385–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Extraction of clinical information from electroencephalographic background activity: the combined use of brain electrical activity mapping and intravenous sodium thiopental. Duffy FH, et al. **Ann Neurol** 1984 Jan;15(1):22–30

HISTORY

The fiftieth anniversary of the use of thiopentone in man [editorial] Papper EM. **Anaesthesia** 1984 Jun;39(6):517–9

Fifty years of thiopentone [editorial] Dundee JW. **Br J Anaesth** 1984 Mar;56(3):211–3

METABOLISM

Tissue distribution of thiopental and diazepam in rats at 71 atmospheres pressure. Aanderud L, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):433–8

Pharmacokinetics and pharmacodynamics of thiopental in patients undergoing renal transplantation. Christensen JH, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):513–8

The influence of sampling site upon the distribution phase kinetics of thiopentone. Barrett R, et al. **Anaesth Intensive Care** 1984 Feb;12(1):5–8

Pharmacokinetic variables: what should be published? [letter] Kopman AF. **Anesthesiology** 1984 Jul;61(1):106–7

Effect of brain levels of drugs on the validity of techniques measuring ventilatory depression [letter] Roy RC. **Anesthesiology** 1984 Mar;60(3):264–5

Concepts of thiopental distribution and metabolism, old and new [letter] Tanner GE. **Anesthesiology** 1983 Nov; 59(5):484–5

PHARMACODYNAMICS

Midazolam as induction agent prior to inhalational anaesthesia: a comparison with thiopentone. Nilsson A, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):249–51

Alcuronium for open-eye injuries [letter] Kay J, et al. **Anesth Analg** 1984 May;63(5):543–4

Inotropic and anesthetic potencies of etomidate and thiopental in dogs. Kissin I, et al. **Anesth Analg** 1983 Nov; 62(11):961–5

Differences in the myocardial depressant action of thiopental and halothane. Komai H, et al. **Anesth Analg** 1984 Mar; 63(3):313–8

Thiopental potentiation of isolated rabbit pulmonary artery contractions with alpha receptor agonists. Fukuda S, et al. **Anesthesiology** 1984 Mar;60(3):187–92

Intracranial pressure, mean arterial pressure, and heart rate following midazolam or thiopental in humans with brain tumors. Giffin JP, et al. **Anesthesiology** 1984 May; 60(5):491–4

Inhalational anesthesia and histamine release during bronchospasm. Hermens JM, et al. **Anesthesiology** 1984 Jul; 61(1):69–72

Baroreceptor reflex control of heart rate during isoflurane anesthesia in humans. Kotrly KJ, et al. **Anesthesiology** 1984 Mar;60(3):173–9

Comparative renal effects of midazolam and thiopental in humans. Lebowitz PW, et al. **Anesthesiology** 1983 Nov; 59(5):381–4

Cardiovascular and metabolic sequelae of inducing anesthesia with ketamine or thiopental in hypovolemic swine. Weiskopf RB, et al. **Anesthesiology** 1984 Mar;60(3):214–9

Age-related changes in CNS-sensitivity to hexobarbital and thiopental in the rat. Bolander HG, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):213–23

Reliability of the vestibulo-ocular reflex as an index of the effects of hypnotic drugs on the central nervous system. Cerchiari EL, et al. **Br J Anaesth** 1984 Apr;56(4):325–31

Ventilatory effects produced by the i.v. administration of incremental doses of thiopentone in the dog. Gaudy JH, et al. **Br J Anaesth** 1983 Oct;55(10):977–84

Effect of intratracheal lignocaine, halothane and thiopentone on changes in plasma beta-endorphin immunoreactivity in response to tracheal intubation. Lehtinen AM, et al. **Br J Anaesth** 1984 Mar;56(3):247–50

Modification of aspects of the endocrine response to tracheal intubation by lignocaine, halothane and thiopentone. Lehtinen AM, et al. **Br J Anaesth** 1984 Mar;56(3):239–46

Thiopentone-induced changes in the contraction pattern of vascular smooth muscle: the influence of albumin. Andreasen F, et al. **Br J Pharmacol** 1984 Jul;82(3):643–50

Regional cyclic AMP systems during secondary ischemia in gerbils: influence of anesthetic agents. Christie-Pope BC, et al. **Exp Neurol** 1984 Jun;84(3):494–511

Regulation of interdigestive contractions in the denervated stomach. Nakaya M, et al. **Gastroenterol Jpn** 1983 Oct; 18(5):417–27

Comparative effects of barbiturate or enflurane anesthesia with induced hypotension on intrapulmonary shunting. Sokoll MD, et al. **J Neurosurg** 1984 Feb;60(2):248–51

Pharmacokinetics and anesthetic potency of a thiopental isomer. Stanski DR, et al. **J Pharm Sci** 1983 Aug; 72(8):937–40

Physiological and biochemical effects of glyceryl guaiacolate-thiopentone sodium anaesthesia in buffalo calves. Agrawal KB, et al. **Res Vet Sci** 1983 Jul;35(1):53–7

Effect of Anesthesia on rat respiration. A study in decerebrated, decerebrated-anesthetized and intact-brain preparations. Rodríguez Méndez SA, et al. **Rev Esp Fisiol** 1984 Mar;40(1):53–61

[Comparison of the hemodynamic effects of midazolam-fentanyl and thiopental-fentanyl combinations in the induction of general anesthesia] Pomane C, et al. **Ann Fr Anesth Reanim** 1983;2(2):75–9 (Eng. Abstr.) **(Fre)**

[Hemodynamic interferences between diltiazem and thiopental—experimental study in the pig] Pierrot M, et al. **Can Anaesth Soc J** 1984 Mar;31(2):166–72 (Eng. Abstr.) **(Fre)**

[Effect of sodium thiopental and seduxen on the cerebrospinal fluid pressure of brain tumor patients during principal anesthesia with nitrous oxide] Stolkarts IZ. **Anesteziol Reanimatol** 1983 Nov-Dec;(6):3–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of high dose barbiturate decompression after severe head injury. A controlled clinical trial. Nordby HK, et al. **Acta Neurochir (Wien)** 1984;72(3–4):157–66

Barbiturate therapy in the postoperative endarterectomy patient with a neurologic deficit. Markowitz IP, et al. **Am J Surg** 1984 Aug;148(2):221–3

Thiopental treatment after global brain ischemia in pigtailed monkeys. Gisvold SE, et al. **Anesthesiology** 1984 Feb; 60(2):88–96

Effect of thiopental therapy on cerebral blood flow after total cerebral ischemia. Koch KA, et al. **Crit Care Med** 1984

Feb;12(2):90–5
Hypothermia and barbiturate coma for refractory status epilepticus. Orlowski JP, et al. **Crit Care Med** 1984 Apr; 12(4):367–72
Ischemic bowel: the protective effect of free-radical anion scavengers. Dalsing MC, et al. **J Pediatr Surg** 1983 Aug; 18(4):360–4
Treatment of massive intraoperative brain swelling. Marshall LF, et al. **Neurosurgery** 1983 Oct;13(4):412–4
Effects of deep barbiturate coma on acute spinal cord injury in the cat. Ducati A, et al. **Surg Neurol** 1984 Apr; 21(4):405–13
[Barbiturate therapy in neurosurgery] Spring A, et al. **Neurochirurgia (Stuttg)** 1983 Jul;26(4):104–11 (Eng. Abstr.) **(Ger)**
[Induced barbiturate coma in neurosurgical resuscitation] Baratta P, et al. **Minerva Anestesiol** 1984 Apr;50(4):147–55 (Eng. Abstr.) **(Ita)**
[Indication for, the method of, and result of the prophylactic use of barbiturate therapy (B-therapy) against cerebral infarct from cerebral arterial vasospasm due to ruptured aneurysm] Miyagi K, et al. **No Shinkei Geka** 1984 Mar;12(3 Suppl):303–10 (Eng. Abstr.) **(Jpn)**
[Protection of the brain with barbiturates against hypoxia during circulatory arrest] Puchala M, et al. **Vnitr Lek** 1983 Nov;29(11):1070–5 (Eng. Abstr.) **(Slo)**

TOXICITY

A probit analysis program for the personal computer. Schoofs GM, et al. **J Appl Toxicol** 1984 Jun;4(3):141–4

THIOPENTOBARBITAL see **THIOPENTAL**

THIOPHANATE see under **CARBAMATES**

THIOPHENES

Fractionation techniques in a hydro–organic environment. I. Sulfolane as a solvent for hydrophobic proteins. Vecchio G, et al. **Anal Biochem** 1984 Mar;137(2):410–9

ADMINISTRATION & DOSAGE

Luteolysis in cows using the prostaglandin F2 alpha analogue, tiaprost, and the effect of mode of administration. Peters AR. **Vet Rec** 1984 Apr 28;114(17):418–21

ADVERSE EFFECTS

Pizotyline–induced cholestatic jaundice. Coodley EL, et al. **Arch Intern Med** 1984 Apr;144(4):815–7
Possible mechanism of action of ticlopidine on committed granulocyte macrophage precursors. Quaglino D, et al. **Haematologica (Pavia)** 1984 May–Jun;69(3):257–62
Ticlopidine can cause chronic diarrhoea [letter] Giardina MG, et al. **Lancet** 1984 Feb 18;1(8373):407
[Cholestatic hepatitis. Presumptive role of ticlopidine] Eugene C, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2923–4 (Eng. Abstr.) **(Fre)**
[Drug–induced fever caused by N–acetyl–D–L–homocysteine thiolactone (letter)] Guerrero M, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):89 **(Spa)**

ANALYSIS

Detection of dibenzothiophene in mussel, Mytilus edulis, as a marker of pollution by organosulfur compounds in a marine environment. Kira S, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):518–25

CHEMICAL SYNTHESIS

Synthesis and photobiological activity of N,N–disubstituted 4–amino–3–chloro–2H–thieno[2,3–h]–1–benzopyran–2–one 7–thioisosteres of 4–amino–3–chloroangelicins. Mosti L, et al. **Farmaco [Sci]** 1984 Feb;39(2):81–94
Synthesis and antiallergy activity of 10–oxo–10H–pyrido[1,2–a]thieno[3,2–d]pyrimidines and 10–oxo–10H–pyrido[1,2–a]thieno[3,4–d]pyrimidines. Connor DT, et al. **J Med Chem** 1984 Apr;27(4):528–30
Synthesis and antidepressant activity of 4–aryltetrahydrothieno[2,3–c]pyridine derivatives. Schneider CS, et al. **J Med Chem** 1984 Sep;27(9):1150–5
[Synthetic and pharmacologic aspects of thieno structures] Pech R, et al. **Pharmazie** 1984 Jan;39(1):4–13 (316 ref.) **(Ger)**

METABOLISM

[Pharmacokinetics of tien/carbine in rats] Dell HD, et al. **Arzneimittelforsch** 1983;33(12):1633–7 (Eng. Abstr.) **(Ger)**
[Clinical pharmacokinetics of Articain after intraoral and intramuscular applications] Kirch W, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Sep;93(9):714–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Antiplatelet drugs and thrombosis prevention: ticlopidine in perspective. de Gaetano G, et al. **Agents Actions** 1984 Jan; 14(1):109–12
Antiplatelet drugs and thrombosis prevention: ticlopidine in perspective. de Gaetano G, et al. **Arq Bras Cardiol** 1983 Dec;41(6):425–7
Effects of a new positive inotropic agent, 3,4–dihydro–6–[4–(3,4–dimethoxybenzoyl)–1–piperazinyl]–quinolinone (OPC–8212) and its solvent sulfolane on isolated heart preparations of the rat, guinea pig, and dog. Grupp G, et al. **Arzneimittelforsch** 1984;34(3A):359–63
The light–intensity–dependence of the efficacy of 2–(3–chloro–4–trifluoromethyl)–anilino–3,5–dinitrothiophe (Ant2p) to inhibit the photosystem 2 reactions of chloroplasts. Packham NK, et al. **Biochem J** 1984 Jul 15; 221(2):513–20
Benzo(B)thiophene–2–carboxylic acid: calcium uptake and cyclic AMP production in isolated bone cells. Robin JC, et al. **Calcif Tissue Int** 1984 Mar;36(2):194–9
Failure of ticlopidine to inhibit deposition of indium–111–labeled platelets on Dacron prosthetic surfaces in humans. Stratton JR, et al. **Circulation** 1984 Apr; 69(4):677–83
Influence of pizotifen and ergotamine on the venoconstrictor effect of 5–hydroxytryptamine and noradrenaline in man. Aellig WH. **Eur J Clin Pharmacol** 1983;25(6):759–62
The effect of charatoxin, 4–methylthio–1,2–dithiolane, on the frog sartorius neuromuscular junction. Nielsen LE, et al. **Experientia** 1984 Feb 15;40(2):186–8
Anti–platelet drugs during chronic hemodialysis: an experience with ticlopidine, the 5–(o–chlorobenzyl)–4,5,6,7–tetrahydrothieno–[3,2–c] pyridine. Bono F, et al. **Farmaco [Prat]** 1983 Dec; 38(12):451–5
Ticlopidine activity on platelet function in patients with enhanced platelet aggregation. A short–term crossover study. Gensini GF, et al. **Haemostasis** 1983;13(5):294–300
Pizotifen, an antiserotonergic drug, induced inhibition of the GH–stimulating activity of metoclopramide in normal women. Chiodera P, et al. **Horm Metab Res** 1984 Aug; 16(8):450–1
Comparison of the biological effects of tamoxifen and a new antioestrogen (LY 117018) on the immature rat uterus. Wakeling AE, et al. **J Endocrinol** 1983 Dec;99(3):447–53
Synthesis of 2–(2,3–dihydro–2–oxo–1,3,4–oxadiazol–5–yl) benzo heterocycles. A novel series of orally active antiallergic agents. Musser JH, et al. **J Med Chem** 1984 Feb;27(2):121–5
Differential antiestrogen action in the immature rat uterus: a comparison of hydroxylated antiestrogens with high affinity for the estrogen receptor. Jordan VC, et al. **J Steroid Biochem** 1983 Sep;19(3):1249–58
Antiobesity effects of a novel lipid synthesis inhibitor (Ro 22–0654). Triscari J, et al. **Life Sci** 1984 Jun 18; 34(25):2433–42
Photodynamic hemolysis caused by alpha–terthienyl. Yamamoto E, et al. **Planta Med** 1984 Apr;50(2):124–7
Effect of diisopropyl 1,3–dithiolan–2–ylidenemalonate on experimental fatty livers in chicks. Akiba Y, et al. **Poult Sci** 1984 Jan;63(1):117–22
Discriminative stimulus properties of pizotifen maleate (BC105): a putative serotonin antagonist. Minnema DJ, et al. **Psychopharmacology (Berlin)** 1984;83(2):200–4
Inhibition by ticlopidine of Paf–acether–induced in vitro aggregation of rabbit and human platelets. Lalau Keraly C, et al. **Thromb Res** 1984 Jun 15;34(6):463–71
The effect of ticlopidine on human endothelial cells in culture. Piovella F, et al. **Thromb Res** 1984 Feb 1; 33(3):323–32
The mechanisms of action of ticlopidine. Bruno JJ. **Thromb Res [Suppl]** 1983;4:59–67 (35 ref.)
Ticlopidine hydrochloride: relationship between dose, kinetics, plasma concentration and effect on platelet function. Picard–Fraire C. **Thromb Res [Suppl]** 1983; 4:119–28 (34 ref.)
Effects of ticlopidine and dexamethasone on fibronectin and factor VIII–related antigen synthesis by cultured endothelial cells. Piovella F, et al. **Thromb Res [Suppl]** 1983; 4:69–73
[Platelet antiaggregants and bleeding time lengthening: management in the preoperative period] Thébault JJ, et al. **Agressologie** 1983 Dec;24(12):609–11 (Eng. Abstr.) **(Fre)**
[Efficacy of a new antisecretory agent (40 749 RP) on human gastric secretion induced by a meal (intragastric titration)] Bonfils S, et al. **Gastroenterol Clin Biol** 1984 Apr; 8(4):347–51 (Eng. Abstr.) **(Fre)**
[Inhibition by a 2–pyridyltetrahydrothiophene derivative (40749 RP) of gastric secretion stimulated by pentagastrin. Results in 30 duodenal ulcer patients] Toulet J, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):157–61 (Eng. Abstr.) **(Fre)**
[Use of prostaglandin F2 alpha analogs in the mare: I. Alfaprostol for ovulation induction during heat. II. Tiaprost for heat induction following neglected foal heat] Arbeiter K, et al. **DTW** 1983 Oct 6;90(10):386–8 (Eng. Abstr.) **(Ger)**
[Comparative clinical and experimental studies on the anesthetics on Ultracaine D–S and Ultracaine D–S forte] Szabó G, et al. **Fogorv Sz** 1983 Sep;76(9):267–70 (Eng. Abstr.) **(Hun)**
[Sugar transport regulation in vitro by new calcium ionophores] Kosovskiĭ MI, et al. **Tsitologiia** 1984 Apr; 26(4):409–14 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of ticlopidine on saphenous vein bypass patency rates: a double–blind study. Chevigné M, et al. **Ann Thorac Surg** 1984 May;37(5):371–8
Platelet survival, atherosclerotic intermittent claudication and ticlopidine. Hawker RJ, et al. **Atherosclerosis** 1984 Feb; 50(2):147–58
A platelet aggregation inhibitor—ticlopidine—in diabetic nephropathy: a randomized double blind study. Nyberg G, et al. **Clin Nephrol** 1984 Mar;21(3):184–7
Clinical trials of an antiplatelet agent, ticlopidine, in diabetes mellitus. Shapiro LM, et al. **Curr Med Res Opin** 1983; 8(7):518–23
Drug effects on afterdischarge and seizure threshold in lissencephalic ferrets: an epilepsy model for drug evaluation. Majkowski J. **Epilepsia** 1983 Dec;24(6):678–85
Ticlopidine: a promise for the prevention and treatment of thrombosis and its complications. Panak E, et al. **Haemostasis** 1983;13 Suppl 1:1–54
RP 40749 in treatment of duodenal ulcer [letter] Nelis GF. **Lancet** 1984 Apr 7;1(8380):803
Sandomigran in the treatment of migrainous patients. Bánki CM, et al. **Ther Hung** 1981;29(4):181–5
Effects of ticlopidine and aspirin on endotoxin–induced disseminated intravascular coagulation in rats [letter] Paris J. **Thromb Haemost** 1983 Dec 30;50(4):894–5
[Effect of ticlopidine on peripheral obliterating arteriopathy] Stiegler H, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1240–3 (Eng. Abstr.) **(Ger)**
[Migraine prevention by a calcium channel blocker. Results of a double–blind study of flunarizine vs. pizotifen] Wörz R, et al. **MMW** 1983 Jul 22;125(32–33):711–14 (Eng. Abstr.) **(Ger)**
[Effect of ticlopidine in the prevention of recurrences of cerebral ischemic accidents: comparative study with dipyridamol] Sancho Rieger J, et al. **Med Clin (Barc)** 1984 Jan 21;82(2):63–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Mutagenic activity of methyl–substituted tri– and tetracyclic aromatic sulfur heterocycles. McFall T, et al. **Mutat Res** 1984 Feb;135(2):97–103
Comparison of the phototoxicity of alpha–terthienyl with that of a selenium and of an oxygen analogue. Garcia FJ, et al. **Photochem Photobiol** 1984 Apr;39(4):521–4

THIOPHENICOL see **THIAMPHENICOL**

THIOPHOSPHAMIDE see **THIO–TEPA**

THIOPHOSPHORIC ACID ESTERS see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

THIOQUINALBARBITONE see **THIAMYLAL**

THIOREDOXIN see under **BACTERIAL PROTEINS**

THIOREDOXIN REDUCTASE (NADPH) see under **NADH, NADPH OXIDOREDUCTASES**

THIORHODACEAE see **CHROMATIACEAE**

THIORIDAZINE

ADMINISTRATION & DOSAGE

Thioridazine effect on desipramine plasma levels. Hirschowitz J, et al. **J Clin Psychopharmacol** 1983 Dec; 3(6):376–9
Combined thioridazine and desipramine: early antidepressant response. Bennett JA, et al. **Psychopharmacology (Berlin)** 1984;82(3):263–5

ADVERSE EFFECTS

Interactions between thioridazine and bromocriptine in a patient with a prolactin–secreting pituitary adenoma. Robbins RJ, et al. **Am J Med** 1984 May;76(5):921–3
On Sandoz's claim of thioridazine's comparative safety [letter] **Am J Psychiatry** 1983 Dec;140(12):1645–8
Calcium channel blockade: possible explanation for thioridazine's peripheral side effects. Gould RJ, et al. **Am J Psychiatry** 1984 Mar;141(3):352–7
Tardive dyskinesia and thioridazine [letter] **Arch Gen Psychiatry** 1984 Apr;41(4):414–6
Hypothermic coma associated with thioradizine in a myxedematous patient [letter] Lanska D, et al. **J Clin Psychiatry** 1984 Apr;45(4):188–9
Thioridazine and diabetes [letter] Price WA, et al. **J Clin Psychiatry** 1983 Dec;44(12):469
Neuroleptic malignant syndrome. Association with thioridazine hydrochloride in a manic depressive patient. Twemlow SW, et al. **J Kans Med Soc** 1983 Oct; 84(10):523–5, 33
Does hyperthyroidism predispose to thioridazine–induced hyperpyrexia and cardiac arrhythmias? Murphy MB, et al. **Postgrad Med J** 1984 Jun;60(704):445–6
Deep–vein thrombosis with antipsychotic drugs. Varia I, et al. **Psychosomatics** 1983 Dec;24(12):1097–8

ANALOGS & DERIVATIVES

Thioridazine–5–sulfoxide cardiotoxicity in the isolated, perfused rat heart. Hale PW Jr, et al. **Toxicol Lett** 1984 Apr;21(1):1–8

BLOOD

Assay of plasma thioridazine and metabolites by high-performance liquid chromatography with amperometric detection. Stoll AL, et al. **J Chromatogr** 1984 May 11;307(2):457-63

Quantitative determination of chlorpromazine and thioridazine by high-performance thin layer chromatography. Davis CM, et al. **J Chromatogr Sci** 1984 Feb;22(2):71-4

Blood levels of haloperidol and thioridazine during maintenance neuroleptic treatment of schizophrenic outpatients. Shvartsburd A, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):194-8

Partitioning of thioridazine and mesoridazine in human blood fractions. Dinovo EC, et al. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):143-6

Interaction between phenobarbital and thioridazine. Gay PE, et al. **Neurology (NY)** 1983 Dec;33(12):1631-2

Red blood cell and plasma levels of thioridazine and mesoridazine in schizophrenic patients. Shvartsburd A, et al. **Psychopharmacology (Berlin)** 1984;82(1-2):55-61

METABOLISM

Thioridazine and the neuroleptic radioreceptor assay. Mailman RB, et al. **Biol Psychiatry** 1984 Jun;19(6):833-47

PHARMACODYNAMICS

Diltiazem-like effect of thioridazine on the dihydropyridine binding site of the calcium channel of rat myocardial membranes. Thorgeirsson G, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):657-63

Greater potency of mesoridazine and sulforidazine compared with the parent compound, thioridazine, on striatal dopamine autoreceptors. Niedzwiecki DM, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):636-9

Neuroleptic-induced dopamine hyposensitivity. Goetz CG, et al. **Life Sci** 1984 Apr 9;34(15):1475-9

Atypical neuroleptics clozapine and thioridazine enhance amphetamine-induced stereotypy. Robertson A, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):97-101

POISONING

[Malignant ventricular dysrhythmia in thioridazine poisoning] Spěčil J, et al. **Cas Lek Cesk** 1983 Nov 18; 122(46):1434-5 (Cze)

THERAPEUTIC USE

Clinical comparison of thiothixene and thioridazine in schizophrenic adolescents. Realmuto GM, et al. **Am J Psychiatry** 1984 Mar;141(3):440-2

Behavioral monitoring of pharmacological interventions for self-injury. Singh NN, et al. **Appl Res Ment Retard** 1984; 5(1):161-70

The effects of neuroleptics on attention in adolescent schizophrenics. Erickson WD, et al. **Biol Psychiatry** 1984 May;19(5):745-53

Multicenter study comparing thioridazine with diazepam and placebo in elderly, nonpsychotic patients with emotional and behavioral disorders. Stotsky B. **Clin Ther** 1984; 6(4):546-59

Subjective response to antipsychotic drugs: failure to replicate predictions of outcome. Ayers T, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):89-93

Short-term effect of thioridazine tablets versus suspension on emotionally disturbed/retarded children. Jakab I. **J Clin Psychopharmacol** 1984 Aug;4(4):210-5

TOXICITY

Thioridazine-5-sulfoxide cardiotoxicity in the isolated, perfused rat heart. Hale PW Jr, et al. **Toxicol Lett** 1984 Apr;21(1):1-8

THIOSEMICARBAZONES

ADMINISTRATION & DOSAGE

2-Acetylpyridine thiosemicarbazones and Mycobacterium leprae. Shepard CC, et al. **Int J Lepr** 1984 Mar;52(1):7-9

CHEMICAL SYNTHESIS

Thiosemicarbazones of 2-acetylpyridine, 2-acetylquinoline, 1- and 3-acetylisoquinoline and related compounds as inhibitors of clinically significant bacteria in vitro. Dobek AS, et al. **Arzneimittelforsch** 1983;33(11):1583-91

2-Acetylpyridine thiosemicarbazones. 6.2-Acetylpyridine and 2-butyrylpyridine thiosemicarbazones as antileukemic agents. Klayman DL, et al. **Arzneimittelforsch** 1983; 33(7):909-12

Synthesis of [1-14C]1,2-cyclohexanedione bis(4-diethylenoxythiosemicarbazone) and preliminary biodistribution studies of this potential antitumor agent. Morgan HK, et al. **Int J Appl Radiat Isot** 1983 Nov; 34(11):1501-4

2-Acetylpyridine thiosemicarbazones. 8. Derivatives of 1-acetylisoquinoline as potential antimalarial agents. Klayman DL, et al. **J Med Chem** 1984 Jan;27(1):84-7

2-Acetylpyridine thiosemicarbazones. 9. Derivatives of 2-acetylpyridine 1-oxide as potential antimalarial agents. Scovill JP, et al. **J Med Chem** 1984 Jan;27(1):87-91

Arylidenepyruvic acid thiosemicarbazone and thiazoline derivatives as potential antimicrobial agents. Omar ME, et al. **J Pharm Sci** 1983 Oct;72(10):1226-8

PHARMACODYNAMICS

A quantitative analysis of steric and hydrophobic effects in ribonucleoside diphosphate reductase inhibition by thiosemicarbazones. Gupta SP, et al. **Arzneimittelforsch** 1984;34(2):147-50

Inhibition of ribonucleotide reductase by alpha-(N)-heterocyclic carboxaldehyde thiosemicarbazones. Moore EC, et al. **Pharmacol Ther** 1984; 24(3):439-47 (48 ref.)

THERAPEUTIC USE

[Use of the Soviet antiviral preparation methisazone in herpes zoster] Beliaev NV, et al. **Vestn Dermatol Venerol** 1984 Jul;(7):43-5 (Eng. Abstr.) (Rus)

[Treatment of herpes zoster with methisazone] Sergeev SIa, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):57-9 (Eng. Abstr.) (Rus)

THIOSTREPTON see under **ANTIBIOTICS**

THIOSULFATE SULFURTRANSFERASE see under **SULFURTRANSFERASES**

THIOSULFATES

ADMINISTRATION & DOSAGE

[Intraperitoneal and intrapleural two channel chemotherapy by cisplatinum (DDP) and sodium thiosulfate for the treatment of ovarian cancer] Hatae M, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):433-9 (Eng. Abstr.) (Jpn)

[Treatment of the cavities of echinococcal cysts with iodine-sodium thiosulfate] Ordabekov SO. **Vestn Khir** 1984 Apr;132(4):72 (Rus)

METABOLISM

Clinical pharmacokinetics of nitroprusside, cyanide, thiosulphate and thiocyanate. Schulz V. **Clin Pharmacokinet** 1984 May-Jun;9(3):239-51 (89 ref.)

Differences in the binding of sulfate, selenate and thiosulfate ions to bovine liver rhodanese, and a description of a binding site for ammonium and sodium ions. An X-ray diffraction study. Lijk LJ, et al. **Eur J Biochem** 1984 Jul 16;142(2):399-408

A sulfate, sulfite and thiosulfate incorporating system in Candida utilis. Alonso A, et al. **Folia Microbiol (Praha)** 1984;29(1):8-13

Evidence that thiosulfate assimilation by Salmonella typhimurium is catalyzed by cysteine synthase B. Nakamura T, et al. **J Bacteriol** 1983 Nov;156(2):656-62

PHARMACODYNAMICS

Se-Aryl selenenylthiosulphates and S-aryl sulphenylthiosulphates as thiol-blocking reagents. Patarasakulchai N, et al. **Biochem J** 1984 Aug 1; 221(3):797-801

Sodium thiosulfate inhibits cis-diamminedichloroplatinum (II) activity. Uozumi J, et al. **Cancer Chemother Pharmacol** 1984;13(2):82-5

Tetrathionate-blocked creatine kinase as a substrate for human plasma 'creatine kinase conversion factor'. Edwards RJ, et al. **Clin Chim Acta** 1983 Oct 14;133(3):275-83

Kinetics of sodium thiosulfate, a cisplatin neutralizer. Shea M, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):419-25

Effect of chlorpromazine on cyanide intoxication. Kong A, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):407-13

[Resistance of Aujeszky disease viruses, present in the blood of pigs, to potassium thiosulphate and hydrogen chloride] Večerka P, et al. **Vet Med (Praha)** 1984 May;29(5):279-85 (Eng. Abstr.) (Cze)

THERAPEUTIC USE

Attempted prevention and treatment of Geigeria filifolia Mattf. poisoning (vermeersiekte) in sheep. Joubert JP. **J S Afr Vet Assoc** 1983 Dec;54(4):255-8

[Effect of sodium thiosulfate on morphological manifestations of experimental tuberculosis] Novoselova VP, et al. **Arkh Patol** 1983;45(6):67-73 (Eng. Abstr.) (Rus)

[Effect of sodium thiosulfate on viable areas of the pancreas in experimental pancreatitis] Kanaian AS, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):68-70 (Eng. Abstr.) (Rus)

[Experimental basis for the use of antioxidants in tuberculosis] Gurieva IG, et al. **Probl Tuberk** 1984 Apr;(4):59-64 (Eng. Abstr.) (Rus)

[Effect of sodium thiosulfate on indices of nucleic acid during the treatment of pulmonary tuberculosis patients] Kibrik BS, et al. **Probl Tuberk** 1984 May;(5):55-60 (Eng. Abstr.) (Rus)

THIOSULFONIC ACIDS see under **SULFONIC ACIDS**

THIOSULFURIC ACID ESTERS see under **SULFURIC ACIDS**

THIOTEPA see **THIO-TEPA**

THIOTHIXENE

ADMINISTRATION & DOSAGE

The intramuscular use of thiothixene in severely disturbed and agitated patients. Soria ME. **RI Med J** 1984 Apr; 67(4):187-90

ADVERSE EFFECTS

Response to antipsychotic medication: the doctor's and the consumer's view. Van Putten T, et al. **Am J Psychiatry** 1984 Jan;141(1):16-9

Dopamine receptor supersensitivity and the chemoreceptor trigger zone. Shen WW, et al. **Biol Psychiatry** 1983 Aug; 18(8):917-21

Akathisia with haloperidol and thiothixene. Van Putten T, et al. **Psychopharmacol Bull** 1984 Winter;20(1):114-7

Cholinergic syndrome from psychotropic withdrawal in a marijuana abuser. Dilsaver SC, et al. **Psychosomatics** 1984 Aug;25(8):632-4

BLOOD

Clinical relevance of thiothixene plasma levels. Mavroidis ML, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):155-7

THERAPEUTIC USE

Clinical comparison of thiothixene and thioridazine in schizophrenic adolescents. Realmuto GM, et al. **Am J Psychiatry** 1984 Mar;141(3):440-2

Patterns of metabolic activity in the treatment of schizophrenia. Brodie JD, et al. **Ann Neurol** 1984;15 Suppl:S166-9

The effects of neuroleptics on attention in adolescent schizophrenics. Erickson WD, et al. **Biol Psychiatry** 1984 May;19(5):745-53

Drug-refractory chronic schizophrenics: doses and plasma concentrations of thiothixene. Kim DY, et al. **J Clin Psychopharmacol** 1984 Feb;4(1):32-5

Rapid tranquilization: a comparative study of thiothixene and haloperidol. Kelwala S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):77-83

THIOURACIL

HISTORY

Landmark article May 8, 1943: Treatment of hyperthyroidism with thiourea and thiouracil. By E.B. Astwood. **JAMA** 1984 Apr 6;251(13):1743-6

Landmark perspective: Treatment of hyperthyroidism. Landau RL. **JAMA** 1984 Apr 6;251(13):1747-8

PHARMACODYNAMICS

Perinatal thiouracil exposure depresses corticotropin-releasing factor activity in 15 day old rats. Meserve LA, et al. **Horm Metab Res** 1983 Oct; 15(10):488-90

Long-term effects of triiodothyronine and thiouracil on myocardial beta-adrenergic receptor numbers and cyclic AMP concentration in rats. Niizoe K, et al. **Jpn Circ J** 1984 May;48(5):508-14

THIOUREA

Determination of acetaldehyde in human blood using thiourea to inhibit ethanol interference. Iversen HL, et al. **Clin Chim Acta** 1983 Dec 15;135(2):151-8

ANALOGS & DERIVATIVES

Oxygen radical scavengers protect alveolar macrophages from hyperoxic injury in vitro. Harada RN, et al. **Am Rev Respir Dis** 1983 Oct;128(4):761-2

Copper(I) transfer into apo-stellacyanin using copper(I)-thiourea as a copper-thionein model. Morpurgo L, et al. **Biochem J** 1984 Aug 1;221(3):923-5

Non-hypoxaemic pulmonary oedema induced by alpha-naphthyl thiourea in the rat. Vivet P, et al. **Br J Exp Pathol** 1983 Aug;64(4):361-6

Effects of histamine antagonists injected in the preoptic-anterior hypothalamic area on the prolactin surge induced by estrogen in ovariectomized rats. Alvarez EO. **Brain Res Bull** 1984 Jan;12(1):11-5

Contact dermatitis from dibutylthiourea. Report of a case with fine structural observations of epicutaneous testing with dibutylthiourea. Kanerva L, et al. **Contact Dermatitis** 1984 Mar;10(3):158-62

Allergic contact dermatitis from a colour film process chemical (PBA1). White IR. **Contact Dermatitis** 1983 Jul; 9(4):323-4

Blood acetaldehyde levels in alcohol-dosed rats after treatment with ANIT, ANTU, dithiocarbamate derivatives, or cyanamide. García de Torres G, et al. **Drug Chem Toxicol** 1983;6(4):317-28

Excretion of porphyrins and porphyrin precursors during neuromuscular paralysis produced by dithiobiuret. Atchison WD, et al. **Exp Neurol** 1984 Jul;85(1):63-8

1-Naphthylthiourea (ANTU).

IARC Monogr Eval Carcinog Risk Chem Hum 1983 Jan; 30:347–57

Effect of histamine H–2 blocker – metiamide – on the isolated atrial preparations of rabbits & guinea pigs. Thomas M, et al. **Indian J Exp Biol** 1983 Feb;21(2):84–7

Repeated lung injury due to alpha–naphthylthiourea causes right ventricular hypertrophy in rats. Hill NS, et al. **J Appl Physiol** 1984 Feb;56(2):388–96

Gas–liquid chromatographic method for determining propylenthiourea in rat tissues and fluids. Lembo S, et al. **J Chromatogr** 1983 Sep 16;267(2):427–30

Noxythiolin—high–performance liquid chromatographic assay and stability. Irwin WJ, et al. **J Clin Hosp Pharm** 1984 Mar;9(1):41–51

Effects of the anti–inflammatory agents indomethacin, metiamide and acetylsalicylic acid on the induction of hyperplasia in hamster cheek–pouch epithelium and ear epidermis. Harris RR, et al. **J Oral Pathol** 1984 Apr; 13(2):128–36

Mechanisms of antibacterial formaldehyde delivery from noxythiolin and other 'masked–formaldehyde' compounds. Gidley MJ, et al. **J Pharm Pharmacol** 1983 Nov; 35(11):712–7

The effect of intramolecular hydrogen bonding on the thermodynamics of partitioning of an isomer of the histamine H2–receptor antagonist metiamide. Mitchell RC, et al. **J Pharm Pharmacol** 1984 May;36(5):331–2

Steroidal thiourea and thiazoline derivatives: synthesis and in vitro effects on bovine pancreatic ribonuclease activity. Ibrahim ES, et al. **J Pharm Sci** 1983 Oct;72(10):1205–11

Fetid breath after noxythiolin therapy. Stewart WK, et al. **J Toxicol Clin Toxicol** 1983 Jun;20(4):387–92

Potentiation of alpha–naphthyl thiourea–induced lung injury by prostaglandin E1 and platelet depletion. Fantone JC, et al. **Lab Invest** 1984 Jun;50(6):703–10

Distribution of fluid in bronchovascular bundles with permeability lung edema induced by alpha–naphthylthiourea in dogs. A morphometric study. Michel RP, et al. **Lab Invest** 1984 Jul;51(1):97–103

Effects of dose and dosing regimen on tissue distribution and elimination kinetics of [14C] dithiobiuret in rats. Porter WR, et al. **Neurotoxicology (Park Forest II)** 1983 Winter; 4(4):57–68

Pulmonary vascular reactivity after acute lung injury. Rounds S, et al. **Prog Clin Biol Res** 1983;136:133–40

Effect of dimethylthiourea on paraquat toxicity in rats. Fairshter RD, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):150–4

A role for serotonin in alpha–naphthylthiourea–induced pulmonary edema. Mais DE, et al. **Toxicol Appl Pharmacol** 1984 Jun 30;74(2):185–94

[Induction of dominant lethal mutations in laboratory rats following cycle blockade by Suisynchron premix. 4. Mutagenicity studies of the gestogen Suisynchron in bacterial test systems] Schwerin M, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):272–7 (Eng. Abstr.) **(Ger)**

[Effect of fentolamin and its combination with etiron on microcirculation] Gikavyĭ VI, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):49–54 (Eng. Abstr.) **(Rus)**

[Effect of etiron in combination with fentolamin on systemic hemodynamics] Gikavyĭ VI, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):39–43 (Eng. Abstr.) **(Rus)**

[Effects of a synthetic antihypoxant of the gutimine group on the terminal circulation and oxygen homeostasis during infusion therapy of burn shock in experimental animals] Kochetygov NI, et al. **Gematol Transfuziol** 1984 Jan; 29(1):49–52 (Eng. Abstr.) **(Rus)**

[Possibilities of correction of circulatory disorders in traumatic shock by combined administration of vasoactive agents] Seleznev SA, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):41–5 (Eng. Abstr.) **(Rus)**

HISTORY

Landmark article May 8, 1943: Treatment of hyperthyroidism with thiourea and thiouracil. By E.B. Astwood. **JAMA** 1984 Apr 6;251(13):1743–6

Landmark perspective: Treatment of hyperthyroidism. Landau RL. **JAMA** 1984 Apr 6;251(13):1747–8

METABOLISM

The change of disposition kinetics for thiourea accompanied by growth in mice. Hirate J, et al. **J Pharmacobiodyn** 1983 May;6(5):323–30

PHARMACODYNAMICS

Thiourea causes endothelial cells in tissue culture to produce neutrophil chemoattractant activity. O'Brien RF, et al. **Am Rev Respir Dis** 1984 Jul;130(1):103–9

Effects of dimethyl sulfoxide and thiourea upon intercalator–induced DNA single–strand breaks in mouse leukemia (L1210) cells. Pommier Y, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5718–24

Activation of xanthine dehydrogenase during the prenatal period through L–thyroxine, thiourea and cycloheximide. Wittmann J, et al. **Cell Differ** 1983 Sep;13(1):77–83

Lung respiration, somatic activity and gas metabolism in embryonic chicks prevented from hatching by thiourea. Wittmann J, et al. **Comp Biochem Physiol [A]** 1984; 77(3):547–51

Thyroid hormones and carbohydrate metabolism of brain in the teleost, Channa punctatus. I. Effect of T4 and thiourea on succinic dehydrogenase (SDH) activity and protein content. Begum KA, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):402–9

Changes in morphometric parameters and the characteristics of collagen following thyroxine and thiourea treatments in young male garden lizards. Brahma KC, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):100–6

Prevention of thiourea–induced pulmonary edema by hydroxyl–radical scavengers. Fox RB, et al. **J Appl Physiol** 1983 Nov;55(5):1456–9

Increased biliary GSSG efflux from rat livers perfused with thiocarbamide substrates for the flavin–containing monooxygenase. Krieter PA, et al. **Mol Pharmacol** 1984 Jul;26(1):122–7

TOXICITY

[State of cardio– and hemodynamics in workers engaged in the production of thiourea] Shukhnin VS, et al. **Vrach Delo** 1984 Jan;(1):107–9 **(Rus)**

THIOURIDINE

ANALOGS & DERIVATIVES

Novel E. coli mutants deficient in biosynthesis of 5–methylaminomethyl–2–thiouridine. Elseviers D, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3521–34

ANALYSIS

Chemical conversion of cytidine residues into 4–thiouridines in yeast tRNAPhe. Determination of the modified cytidines. Riehl N, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4445–53

METABOLISM

Enzymatically generated electronically excited molecules induce transformation of 4–thiouridine to uridine. Durán N, et al. **Biochem Biophys Res Commun** 1983 Dec 28; 117(3):923–9

Covalent crosslinking of Escherichia coli phenylalanyl–tRNA and valyl–tRNA to the ribosomal A site via photoaffinity probes attached to the 4–thiouridine residue. Hsu LM, et al. **J Mol Biol** 1984 Jan 5;172(1):57–76

Crosslinking of phenylalanyl–tRNA to the ribosomal A site via a photoaffinity probe attached to the 4–thiouridine residue is exclusively to ribosomal protein S19. Lin FL, et al. **J Mol Biol** 1984 Jan 5;172(1):77–86

THIOXANTHENES

ADMINISTRATION & DOSAGE

Teflutixol (Lu 10–022): a new thioxanthene derivative with antipsychotic properties. A pilot study. Botte L. **Acta Psychiatr Belg** 1983 Jul–Aug;83(4):397–406

Treatment of depressive anxiety states associated with psychosomatic symptoms. A double–blind multicentre clinical study: mianserin versus melitracen–flupentixol. Van Moffaert M, et al. **Acta Psychiatr Belg** 1983 Sep–Oct; 83(5):525–39

Alterations in cerebral dopamine function caused by administration of cis– or trans–flupenthixol for up to 18 months. Murugaiah K, et al. **Neuroscience** 1983 Nov; 10(3):811–9

Steady–state serum concentrations after cis (Z)–flupentixol decanoate in viscoleo. Saikin JK, et al. **Psychopharmacology (Berlin)** 1983;80(4):371–3

ADVERSE EFFECTS

Sudden death and flupenthixol decanoate. Turbott J, et al. **Aust NZ J Psychiatry** 1984 Mar;18(1):91–4

Neuroleptic malignant syndrome [letter] Bates I, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1913

Depressive symptoms in chronic schizophrenic patients after withdrawal of long–acting neuroleptics. Wistedt B, et al. **J Clin Psychiatry** 1983 Oct;44(10):369–71

Depression–inducing and antidepressive effects of neuroleptics. Experiences with flupenthixol and flupenthixol decanoate. Pöldinger W, et al. **Neuropsychobiology** 1983;10(2–3):131–6

[Respiratory dyskinesia with hyperventilation] Jensen NB, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3834 (Eng. Abstr.) **(Dan)**

[An anticholinergic agent, the side effect of mouth dryness and hazards for the teeth] van Palenstein Helderman WH, et al. **Ned Tijdschr Geneeskd** 1983 Dec 17;127(51):2318–21 (Eng. Abstr.) **(Dut)**

ANALYSIS

[Colloidal association of tri– and tetracyclic antidepressives and neuroleptics. 7. Studies on the thermostability of clopenthixol–di HCl] Thoma K, et al. **Pharm Acta Helv** 1984;59(8):213–5 (Eng. Abstr.) **(Ger)**

BLOOD

Serum concentrations of the isomers of clopenthixol and a metabolite in patients given cis(Z)–clopenthixol decanoate in viscoleo. Aaes–Jørgensen T, et al. **Psychopharmacology (Berlin)** 1983;81(1):68–72

Blood and plasma kinetics of cis(Z)–clopenthixol and fluphenazine in psychiatric patients after intramuscular injection of their decanoic esters. Viala A, et al. **Psychopharmacology (Berlin)** 1984;83(2):147–50

[Determination of cis(Z)–clopenthixol and fluphenazine in whole blood and plasma by high–performance liquid chromatography with an internal standard] Viala A, et al. **J Pharm Belg** 1983 Nov–Dec;38(6):299–303 (Eng. Abstr.) **(Fre)**

METABOLISM

Selective and stereospecific interactions of R–SK & F 38393 with [3H]piflutixol but not [3H]spiperone binding to striatal D1 and D2 dopamine receptors: comparisons with SCH 23390. O'Boyle KM, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):433–6

Characteristics of 3H–cis–flupenthixol binding in rat striatum. Murrin LC. **Life Sci** 1983 Nov 28;33(22):2179–86

Serum concentrations of the isomers of clopenthixol and a metabolite in patients given cis(Z)–clopenthixol decanoate in viscoleo. Aaes–Jørgensen T, et al. **Psychopharmacology (Berlin)** 1983;81(1):68–72

PHARMACODYNAMICS

Desensitization of rat mast cells: studies of some effects of anti–allergic drugs. Holford–Strevens V. **Agents Actions** 1984 Jun;14(5–6):643–8

Genetic analysis of hycanthone resistance in Schistosoma mansoni. Cioli D, et al. **Am J Trop Med Hyg** 1984 Jan; 33(1):80–8

Changes in apomorphine–induced stereotypy as a result of subacute neuroleptic treatment correlates with increased D–2 receptors, but not with increases in D–1 receptors. Fleminger S, et al. **Biochem Pharmacol** 1983 Oct 1; 32(19):2921–7

Neuroleptic–like disruption of the conditioned avoidance response requires destruction of both the mesolimbic and nigrostriatal dopamine systems. Koob GF, et al. **Brain Res** 1984 Jun 15;303(2):319–29

Alterations in different populations of striatal dopamine receptors produced by 18 months continuous administration of cis– or trans–flupenthixol to rats. Murugaiah K, et al. **Neuropharmacology** 1984 Jun; 23(6):599–609

Time course of alpha–flupenthixol action explains 'response artifacts' of neuroleptic action on brain stimulation reward [letter] **Science** 1983 Dec 16;222(4629):1251–4

THERAPEUTIC USE

The prevention of suicidal acts in high–risk patients. Montgomery SA, et al. **Adv Biochem Psychopharmacol** 1984;39:315–7

Effect of chemotherapy on experimental pulmonary schistosomiasis. de Almeida MA, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1049–54

Therapeutic efficacy of flupenthixol decanoate in schizoaffective disorder: a clinical evaluation. Singh AN. **J Int Med Res** 1984;12(1):17–22

Flupenthixol versus diazepam in the treatment of psychosomatic disorders: a double–blind, multi–centre trial in general practice. Jokinen K, et al. **Pharmatherapeutica** 1984;3(9):573–81

Adverse effects of anticholinergic medication on positive schizophrenic symptoms. Johnstone EC, et al. **Psychol Med** 1983 Aug;13(3):513–27

[A new injectable delayed–action neuroleptic with sedative and antipsychotic action: cis–(Z)–clopenthixol decanoate. Clinical trials] Lambert PA, et al. **Encephale** 1984; 10(2):83–91 (Eng. Abstr.) **(Fre)**

THIRAM see under **THIOCARBAMATES**

THIRD PARTY PAYMENTS see **INSURANCE, HEALTH, REIMBURSEMENT**

THIRST

see related
DEHYDRATION
WATER DEPRIVATION

Vasopressin in blood and third ventricle CSF during dehydration, thirst, and hemorrhage. Szczepańska–Sadowska E, et al. **Am J Physiol** 1983 Oct; 245(4):R549–55

Disturbances of thirst and water homeostasis in patients with affective illness. Zubenko GS, et al. **Am J Psychiatry** 1984 Mar;141(3):436–7

Psychogenic polydipsia—an unusual cause of hyponatremic coma and seizure [clinical conference] Roberge R, et al. **Ann Emerg Med** 1984 Apr;13(4):274–6

Combined desmopressin (DDAVP) and chlorpropamide therapy for diabetes insipidus with absent thirst. Redmond GP, et al. **Cleve Clin Q** 1983 Fall;50(3):351–2

Polyuria, polydypsia, and hypertension produced by a six–day intravenous infusion of prostaglandin E1 in the conscious dog. Rocchini AP, et al. **Hypertension** 1984 May–Jun;6(3):431–6

Differential diagnosis of polyuria–polydipsia in dogs and cats. Pond EC. **In Pract** 1982 Jul;4(4):119, 121, 123, 125–7

Polydipsia and enuresis in childhood renin–dependent hypertension. Chevalier RL. **J Pediatr** 1984 Apr;

104(4):591-3

DRUG EFFECTS

Comparative effects of enalapril, enalaprilic acid and captopril in blocking angiotensin I-induced pressor and dipsogenic responses in spontaneously hypertensive rats. Gaul SL, et al. **Clin Exp Hypertens [A]** 1984;6(6):1187-206

Increased or decreased thirst caused by inhibition of angiotensin-converting enzyme in the rat. Evered MD, et al. **J Physiol (Lond)** 1984 Mar;348:573-88

Effects of chronic hyperprolactinaemia on experimentally induced thirsts in male rats. Katovich MJ, et al. **J Physiol (Lond)** 1983 Aug;341:75-83

Enhancement of saline consumption by chlordiazepoxide in thirsty rats: antagonism by Ro15-1788. Turkish S, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):869-73

Fluid consumption in water-deprived rats after administration of naloxone or quaternary naloxone. Turkish S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):835-9

PHYSIOLOGY

Altered osmotic thresholds for vasopressin secretion and thirst in human pregnancy. Davison JM, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F105-9

Thirst and sodium appetite after colloid treatment in rats with septal lesions. Stricker EM. **Behav Neurosci** 1984 Apr; 98(2):356-60

Thirst and sodium appetite after colloid treatment in rats: role of the renin-angiotensin-aldosterone system. Stricker EM. **Behav Neurosci** 1983 Oct;97(5):725-37

Localization of central nervous system structures mediating extracellular thirst in the female rat. Kucharczyk J. **J Endocrinol** 1984 Feb;100(2):183-8

Abnormalities of thirst regulation. Robertson GL. **Kidney Int** 1984 Feb;25(2):460-9

Psychosis associated with water intoxication: psychogenic polydipsia or concomitant dopaminergic supersensitivity disorders? [letter] Jones BD. **Lancet** 1984 Sep 1; 2(8401):519-20

Psychosis, inappropriate antidiuretic hormone secretion, and water intoxication [letter] Khamnei AK. **Lancet** 1984 Apr 28;1(8383):963

Antidiuretic hormone and psychogenic polydipsia [letter] Lever EG, et al. **Lancet** 1984 Jun 30;1(8392):1468-9

Effects of elevated prolactin and its normalization on thyroid hormone, cardiac beta-adrenoreceptor number and beta-adrenergic responsiveness. Katovich MJ, et al. **Life Sci** 1984 Feb 27;34(9):889-98

Glucoprivic responsivity after insulin in hypodipsic and in water deficit rats. Watson PJ, et al. **Life Sci** 1984 Feb 13; 34(7):625-30

Reduced thirst after water deprivation in healthy elderly men. Phillips PA, et al. **N Engl J Med** 1984 Sep 20; 311(12):753-9

A reassessment of the brain mechanisms that control thirst. Grossman SP. **Neurosci Biobehav Rev** 1984 Spring; 8(1):95-104

Plasma and cerebrospinal fluid vasopressin and osmolality in relation to thirst. Szczepańska-Sadowska E, et al. **Pflugers Arch** 1984 Mar;400(3):294-9

The subfornical organ and the integration of multiple factors in thirst. Lind RW, et al. **Physiol Behav** 1984 Jan; 32(1):69-74

Dopaminergic involvement in the control of drinking behaviour: a brief review. Dourish CT. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):487-93

Neuropeptides and thirst. Evered MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4-6):469-76

Ingestive behavior evoked by hypothalamic stimulation and schedule-induced polydipsia are related. Mittleman G, et al. **Science** 1984 Apr 27;224(4647):415-7

THOMSEN'S DISEASE see MYOTONIA CONGENITA

THORACIC ARTERIES

ABNORMALITIES

[Case of congenital internal mammary arteriovenous fistula] Samukawa M, et al. **Kokyu To Junkan** 1983 Sep; 31(9):1029-33 (Eng. Abstr.) **(Jpn)**

[Middle lobe syndrome and pulmonary arteriovenous fistula] Carretero Báez M, et al. **Rev Clin Esp** 1983 Sep 30; 170(6):303-6 **(Spa)**

METABOLISM

Arterial influx, efflux and tissue content of albumin in rabbits in vivo. Brasch SP, et al. **Cardiovasc Res** 1984 Apr; 18(4):244-8

PATHOLOGY

Congenital arteriovenous fistula between the internal mammary artery and the pulmonary artery. Serruys PW, et al. **Eur Heart J** 1984 Jan;5(1):80-4

RADIOGRAPHY

Bronchial and intercostal angiography with ioxaglate and diatrizoate in man. A comparative investigation. Kumazaki T, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):49-53

[Angiography in bypass grafts of the left anterior descending coronary artery with the left internal mammary artery. Apropos of 100 control examinations with a maximum follow-up of 6 years and 8 months] Amiel M, et al. **Arch Mal Coeur** 1984 Apr;77(4):357-63 (Eng. Abstr.) **(Fre)**

[Topographic study of parasternal lymph nodes. Finding a window for radiotherapy] Cronier P, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):83-9 (Eng. Abstr.) **(Fre)**

[Internal mammary arteriography. Diagnostic and therapeutic use] Kumazaki T, et al. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1207-12 **(Jpn)**

SURGERY

Dissection of the internal mammary artery during cephalic vein removal for coronary artery surgery. Hicks GL Jr. **Ann Thorac Surg** 1984 Jan;37(1):95

Therapeutic consideratiocs in congenital absence of the right pulmonary artery. Usc of internal mammary artery as a preparatory shunt. Cobanoglu A, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun;25(3):241-5

TRANSPLANTATION

Multivessel coronary revascularization without saphenous vein: long-term results of bilateral internal mammary artery grafting. Lytle BW, et al. **Ann Thorac Surg** 1983 Nov; 36(5):540-7

Comparison of late changes in internal mammary artery and saphenous vein grafts in two consecutive series of patients 10 years after operation. Grondin CM, et al. **Circulation** 1984 Sep;70(3 Pt 2):I208-12

The left internal mammary artery: the graft of choice. Okies JE, et al. **Circulation** 1984 Sep;70(3 Pt 2):I213-21

The role of the sequential internal mammary artery graft in coronary surgery. Tector AJ, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I222-5

THORACIC DISEASES

American Lung Association 80th annual meeting; American Thoracic Society 79th annual meeting; Congress of Lung Association Staff 72nd annual meeting. May 20-23, 1984, Miami Beach. Abstracts. **Am Rev Respir Dis** 1984 Apr; 129(4 Pt 2):A1-362

Requirements for thoracic medicine. A document for the guidance of those planning thoracic medicine services or consultant posts. **Br J Dis Chest** 1984 Jul;78(3):303-4

Abstracts: 50th anniversary scientific assembly, American College of Chest Physicians. **Chest** 1984 Aug;86(2):281-340

Pattern of admissions in a thoracic unit. Aziz S, et al. **JPMA** 1983 Nov;33(11):278-81

[The 24th meeting of the Japan Society of Chest Diseases. April 5-7, 1984, Tokyo. Abstracts] **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Mar;22 Suppl:1-303 **(Jpn)**

[Evolutive aspects of sarcoidosis with intrathoracic localizations] Bercea O, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct-Dec;32(4):323-32 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

[Recurrent sarcoidosis in skin scars disclosing repeated thoracic sarcoidosis] Roegel E, et al. **Rev Pneumol Clin** 1984;40(2):81-3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

NMR imaging of the chest at 0.12 T: initial clinical experience with a resistive magnet. Axel L, et al. **AJR** 1983 Dec; 141(6):1157-62

Symposium on chest radiology. **Clin Chest Med** 1984 Jun; 5(2):211-381

The potential role of NMR imaging in thoracic disease. Kundel HL, et al. **Radiol Clin North Am** 1983 Dec; 21(4):801-8

Magnetic resonance imaging of the thorax in childhood. Work in progress. Brasch RC, et al. **Radiology** 1984 Feb; 150(2):463-7

Magnetic resonance of the chest: initial experience with imagin_ and in vivo T1 and T2 calculations. Ross JS, et al. **Radiology** 1984 Jul;152(1):95-101

[Differential indications for sonography, 9. Ultrasound study: the breast and thorax (excluding the heart)] Cabell R. **MMW** 1983 Oct 14;125(41):136-8 **(Ger)**

[Contribution of 2-dimensional sonography with fast B-image to the diagnosis of thoracic diseases] Ranft K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:875-83 (Eng. Abstr.) **(Ger)**

[Personal experience in fiberoptic bronchoscopy: report on the 1st 600 cases] Lococo A, et al. **Ann Ital Chir** 1983; 55(2):137-44 (Eng. Abstr.) **(Ita)**

[Tuberculosis of the respiratory organs in pregnant women] Gol'dshtein VD, et al. **Probl Tuberk** 1984 Feb;(2):10-3 (Eng. Abstr.) **(Rus)**

[Thoracoscopy in the context of thoracic surgery] Rivas J, et al. **Rev Clin Esp** 1984 Mar 31;172(6):337-40 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The use of combinations of trimethoprim and sulphonamides in the treatment of chest infections. Hughes DT. **J Antimicrob Chemother** 1983 Nov;12(5):423-34

ETIOLOGY

Thoracic complications of plasma cell granuloma of the lung. Kirkpatrick JA Jr, et al. **Ann Radiol (Paris)** 1984 Feb-Mar; 27(2-3):145-9 **(Eng, Fre)**

Bilateral pneumothoraces secondary to iatrogenic buffalo chest. An unusual complication of median sternotomy and subclavian vein catheterization. Schorlemmer GR, et al. **Ann Surg** 1984 Mar;199(3):372-4

Meconium thorax. Farrelly G, et al. **J Pediatr Surg** 1983 Oct;18(5):623-4

Intrathoracic complications of amoebic liver abscess. Adeyemo AO, et al. **J R Soc Med** 1984 Jan;77(1):17-21

[Chronic fistula of the chest wall] Canalis E, et al. **Ann Chir** 1984 Mar;38(2):162-5 (Eng. Abstr.) **(Fre)**

[Thoracic development of liver hydatid cysts, and its complications. Apropos of 21 cases] Yuste MG, et al. **Ann Chir** 1984 Mar;38(2):153-7 (Eng. Abstr.) **(Fre)**

HISTORY

Promises to keep. Douglas A. **Thorax** 1984 Jul;39(7):481-6

IMMUNOLOGY

[Clinical value of the blood lymphocyte count in thoracic sarcoidosis in adults. Apropos of 123 cases] Valeyre D, et al. **Rev Pneumol Clin** 1984;40(1):13-9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Sonographically guided needle biopsy for diagnosis of thoracic lesions. Ikezoe J, et al. **AJR** 1984 Aug; 143(2):229-34

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 45-1983. A young man with a mass involving the lung, pleura, and chest wall. **N Engl J Med** 1983 Nov 10;309(19):1171-8

RADIOGRAPHY

Dynamic CT of the chest. Göthlin JH. **Eur J Radiol** 1983 Aug;3 Suppl 1:244-7

The use of computed tomography in evaluating chest wall pathology. Leitman BS, et al. **J Comput Tomogr** 1983 Nov; 7(4):399-405

Computed tomography in chest disease. Taylor AJ. **NZ Med J** 1983 Oct 12;96(741):758-9

Computed tomography of the thorax. Strickland B. **Postgrad Med J** 1984 Mar;60(701):208-12

Symposium on cardiopulmonary imaging. **Radiol Clin North Am** 1983 Dec;21(4):607-808

Thoracic manifestations of neurocutaneous diseases. Aughenbaugh GL. **Radiol Clin North Am** 1984 Sep; 22(3):741-56 (77 ref.)

Computed tomography in acute cardiopulmonary disease. Goodman LR, et al. **Radiol Clin North Am** 1983 Dec; 21(4):741-58

Advances in computed tomography of the thorax. Webb WR. **Radiol Clin North Am** 1983 Dec;21(4):723-39

[Computer tomography in thoracic diagnosis] Thelen M. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:757-63 **(Ger)**

[Value of digital projection radiography with a CT apparatus for thoracic diagnosis] Bautz W, et al. **ROFO** 1984 May; 140(5):579-84 (Eng. Abstr.) **(Ger)**

[Computed tomographic diagnosis of pre- and paravertebral masses in the thorax and retroperitoneum] Hermanutz KD. **Rontgenblatter** 1984 Jun;37(6):212-8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

67Ga scintigraphy of the thorax. Neumann RD, et al. **Chest** 1984 Aug;86(2):253-6 (35 ref.)

SURGERY

[Etiological aspects and therapeutic management of intrathoracic residual cavities] Baranetchi C, et al. **Rev Chir [Chir]** 1983 Nov-Dec;32(6):415-9 (Eng. Abstr.) **(Rum)**

[Diagnosis and surgical treatment of mediastinal, paramediastinal and intrathoracic parietal pathologic lesions] Kozhevikov SF, et al. **Probl Tuberk** 1984 Feb; (2):31-4 (Eng. Abstr.) **(Rus)**

THORACIC DUCT

[Sonographic imaging of the ascending lumbar vein and the cisterna chyli or lumbar trunks] Helzel MV. **ROFO** 1984 Feb;140(2):172-4 (Eng. Abstr.) **(Ger)**

[Damage to the thoracic duct] Shchiglik GM, et al. **Grudn Khir** 1983 Jul-Aug;(4):81-2 **(Rus)**

[Diagnosis and treatment of lymphangiectasia of the thoracic duct system] Perel'man MI, et al. **Khirurgiia (Mosk)** 1984 May;(5):10-15 (Eng. Abstr.) **(Rus)**

[Methods of studying the formed elements in thoracic duct lymph] Panchenkov RT, et al. **Lab Delo** 1983;(12):5-8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The association of a retroesophageal right subclavian artery, a right-sided terminating thoracic duct, and a left vertebral artery of aortic origin: anatomical and clinical considerations. Nathan H, et al. **Acta Anat (Basel)** 1983; 117(4):362–73

ANATOMY & HISTOLOGY

On the microscopic anatomy of periadventitial tissue of Cisterna chyli and Ductus thoracicus of the cat (Felix domestica). de Freitas V, et al. **Anat Anz** 1984; 155(1–5):89–93

EMBRYOLOGY

[Development of the thoracic duct in the prenatal period of human ontogeny] Krutsiak VN, et al. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):79–84 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Characterization of recirculating lymphocytes in rheumatoid arthritis patients: selective deficiency of natural killer cells in thoracic duct lymph. Fox RI, et al. **J Immunol** 1984 Jun;132(6):2883–7

A controlled prospective trial of antithoracic duct lymphocyte globulin (ATDLG) for treatment of severe aplastic anemia. Camitta BM. **Prog Clin Biol Res** 1984; 148:239–47

INJURIES

Thoracic duct injury from blunt trauma. Pai GP, et al. **South Med J** 1984 May;77(5):667–8

The cisterna chyli in orthopaedic surgery. Propst-Proctor SL, et al. **Spine** 1983 Oct;8(7):787–92

[Surgical treatment of traumatic injuries of the thoracic duct and report of 2 cases] Andreev A. **Khirurgiia (Sofiia)** 1983; 36(4):331–4 (Eng. Abstr.) **(Bul)**

[Combined injuries of the inferior vena cava, thoracic duct and stomach] Zhenetl' ZD, et al. **Sov Med** 1983;(8):115–6 **(Rus)**

PATHOLOGY

Thoracic duct obstruction associated with the thoracic outlet syndrome. Tallroth K, et al. **Acta Chir Scand** 1983; 149(8):797–800

[Morphological aspects of valvular insufficiency of the thoracic duct in liver cirrhosis] Vorozhelkin VM, et al. **Klin Khir** 1983 Sep;(9):30–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Endogenous endotoxin absorption and the role of intestinal lymphatics. Azuma K, et al. **Jpn J Surg** 1983 Nov; 13(6):535–9

Effect of intravenous injection of calcium chloride on the thoracic duct lymph outflow in rabbits. Toyosawa K, et al. **Nippon Seirigaku Zasshi** 1984;46(2):43–4

RADIONUCLIDE IMAGING

[Lymphatic duct scintigraphy of cancer patients] Bykov SA, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):57–8 (Eng. Abstr.) **(Rus)**

SURGERY

Thoracic duct and right lymphatic duct: surgical approaches for drainage in the canine with comparison of cellular and chemical contents. Leeds SE, et al. **Angiology** 1983 Dec; 34(12):769–78

An experimental model for simultaneous chronic sampling of portal and systemic blood and gastrointestinal lymph via cannulae in conscious swine. Manolas KJ, et al. **Cornell Vet** 1983 Oct;73(4):333–9

Experimental remarks on the utilization of biological tissue adhesives in lymphove ous anastomosis. Milingos S, et al. **J Cardiovasc Surg (Torino)** 1984 Mar-Apr;25(2):130–3

A critical re-appraisal of lymph-venous shunt in the management of massive ascites. Puttini M, et al. **J Cardiovasc Surg (Torino)** 1984 Mar-Apr;25(2):126–9

[Intractable ascites treated by anastomosis of the thoracic duct to the internal jugular vein] Fu YJ. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):178 (Eng. Abstr.) **(Chi)**

[Thoracic duct lymph flow and clinical significance of thoracic duct-internal jugular vein anastomosis in liver cirrhosis] Hirose S. **Fukuoka Igaku Zasshi** 1983 Aug; 74(8):518–31 (Eng. Abstr.) **(Jpn)**

[Internal drainage of the thoracic duct in patients with liver cirrhosis without ascites] Granov AM, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):78–81 (Eng. Abstr.) **(Rus)**

[External drainage of the thoracic duct in the complex treatment of acute circulatory disorders of the lower limbs] Gushca AL, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):47–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of patients with liver cirrhosis and portal hypertension syndrome] Khamidov PM, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

[Effect of surgery of the thoracic lymph duct on liver microcirculation] Saatov RR, et al. **Klin Khir** 1983 Sep; (9):68–9 **(Rus)**

[Variations of internal drainage of the thoracic duct in cirrhosis of the liver] Granov AM, et al. **Vestn Khir** 1983 Aug;131(8):15–8 (Eng. Abstr.) **(Rus)**

[Effect of drainage of the thoracic duct with lymphosorption on the lymphocyte number in the blood and lymph] Kochnev OS, et al. **Vestn Khir** 1983 Dec;131(12):97–101 (Eng. Abstr.) **(Rus)**

[Controlled drainage of the thoracic lymph duct] Savel'ev VS, et al. **Vestn Khir** 1983 Nov;131(11):11–4 (Eng. Abstr.) **(Rus)**

THORACIC INJURIES

[Blunt chest injuries] Bugge-Asperheim B, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):634–7 (Eng. Abstr.) **(Nor)**

[Chest injuries. Personal experience in 727 cases] Jitariu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar; 87(1):47–51 (Eng. Abstr.) **(Rum)**

BLOOD

Peritoneal lavage red blood cell and white blood cell count: a prospective comparison of usefulness. Meyer E, et al. **Henry Ford Hosp Med J** 1984;32(1):53–6

[Hemoglobin affinity for oxygen in patients with closed chest injuries] Matveev SB, et al. **Grudn Khir** 1983 Jul-Aug; (4):59–62 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Coronary artery-right ventricular fistula and organic tricuspid regurgitation due to blunt chest trauma. Sareli P, et al. **Am J Cardiol** 1984 Sep 1;54(6):697–9

Frequency of myocardial injury after blunt chest trauma as evaluated by radionuclide angiography. Sutherland GR, et al. **Am J Cardiol** 1983 Nov 1;52(8):1099–103

Traumatic disruption of the brachiocephalic artery. Dula DJ, et al. **Ann Emerg Med** 1983 Oct;12(10):639–41

Aortic injury: comparison of supine and upright portable chest films to evaluate the widened mediastinum. Schwab CW, et al. **Ann Emerg Med** 1984 Oct;13(10):896–9

Thoracic stab wound with delayed pneumoperitoneum and pneumomediastinum. Sklar DP, et al. **Ann Emerg Med** 1984 May;13(5):371–3

Significance of symptoms and signs in patients with traumatic aortic rupture. Sturm JT, et al. **Ann Emerg Med** 1984 Oct; 13(10):876–8

Blunt chest trauma with tracheobronchial rupture. Pratt LW, et al. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):357–63

Myocardial dysfunction following blunt chest trauma. Harley DP, et al. **Arch Surg** 1983 Dec;118(12):1384–7

Intrathoracic great vessel injury resulting from blunt chest trauma associated with posterior dislocation of the sternoclavicular joint. Gardner MA, et al. **Aust NZ J Surg** 1983 Oct;53(5):427–30

Trendelenburg positioning to correct hypoxemia from chest trauma [letter] Marcum RF, et al. **Chest** 1984 May;85(5):716

Post-traumatic nonhaemorrhagic cardiac tamponade: a rare clinical entity. Poddar RK, et al. **Indian Heart J** 1983 Nov-Dec;35(6):366–8

Acute left anterior descending coronary artery occlusion following blunt chest injury. Lau OJ, et al. **Injury** 1984 Jul;16(1):55–6

Rupture of the diaphragm by blunt trauma as a marker of injury severity. van der Werken C, et al. **Injury** 1983 Nov; 15(3):149–52

Combined use of HFPPV with low-rate ventilation in traumatic respiratory insufficiency. Barzilay E, et al. **Intensive Care Med** 1984;10(4):197–200

Bronchial injuries in closed chest trauma. Subbarao KS, et al. **J Indian Med Assoc** 1983 Jul 1–16;81(1–2):17–9

Tracheo-oesophageal fistula following blunt trauma. Banerjee A, et al. **J Laryngol Otol** 1984 Jul;98(7):743–4

A 'wandering bullet' in the thoracic esophagus. Montano JN, et al. **J Natl Med Assoc** 1983 Aug;75(8):835–6

Laceration of a mitral papillary muscle and the aortic root as a result of blunt trauma to the chest. Case report and review of the literature. Cuadros CL, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):134–40

Blunt cardiac rupture. Martin TD, et al. **J Trauma** 1984 Apr; 24(4):287–90

Chest wound and hematuria [letter] Wogalter H. **NY State J Med** 1983 Jul-Sep;83(8–10):1040

Transcatheter embolization of the internal thoracic artery for post-traumatic haemorrhage. A case report. Kalideen JM, et al. **S Afr Med J** 1983 Sep 24;64(13):494–5

Bronchial rupture caused by blunt chest trauma. Halttunen PE, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):141–4

Right atrial rupture due to blunt chest trauma. Griffith GL, et al. **South Med J** 1984 Jun;77(6):715–6

Residua of thoracic trauma. Hix WR. **Surg Gynecol Obstet** 1984 Mar;158(3):295–301 (48 ref.)

[Post-traumatic aneurysms of the thoracic aorta] Hejnal J, et al. **Rozhl Chir** 1984 May;63(5):330–7 (Eng. Abstr.) **(Cze)**

[Traumatic myocardial infarction. Apropos of 2 cases] Charbonnier B, et al. **Arch Mal Coeur** 1984 Mar; 77(3):273–82 (Eng. Abstr.) **(Fre)**

[Peritoneal irrigation in the diagnosis of intra-abdominal organ injuries in blunt thoracic injuries] Belgerden S, et al. **Zentralbl Chir** 1984;109(6):433–5 **(Ger)**

[Traumatic rupture of the pericardium] di Fabio D, et al. **Minerva Chir** 1984 Feb 28;39(4):255–9 (Eng. Abstr.) **(Ita)**

[Broncho-pulmonary contusions due to blunt thoracic injuries requiring emergency surgery--report of 5 cases] Inoue H, et al. **Rinsho Kyobu Geka** 1983 May;3(3):315–20 (Eng. Abstr.) **(Jpn)**

[Intrapulmonary hematoma and air cyst following nonpenetrating chest trauma in children] Nakae S, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):92–6 (Eng. Abstr.) **(Jpn)**

[Lesions of the tracheobronchial tree due to closed chest injuries] Amauchi W, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):130–6 (Eng. Abstr.) **(Por)**

[Procedures for respiratory assistance in pulmonary pathology] Brand L. **Rev Ig [Pneumoftiziol]** 1984 Jan-Mar; 33(1):23–30 (Eng. Abstr.) **(Rum)**

[Pathologic anatomy of traumatic shock during peace time] Sapozhnikova MA, et al. **Arkh Patol** 1983;45(12):27–36 (Eng. Abstr.) **(Rus)**

[Traumatic tracheoesophageal fistula] Dzhafarov ChM, et al. **Grudn Khir** 1983 Jul-Aug;(4):79 **(Rus)**

[Damage to the thoracic duct] Shchiglik GM, et al. **Grudn Khir** 1983 Jul-Aug;(4):81–2 **(Rus)**

[Open bilateral chest injuries associated with necrosis of the small intestine] Sokolov PN, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):143–4 **(Rus)**

[Case of triple attempt at suicide] Kovachev L. **Khirurgiia (Sofiia)** 1983;36(6):567–9 **(Rus)**

[Thoraco-abdominal injuries] Avilova OM, et al. **Klin Khir** 1984 Apr;(4):6–9 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of combined injuries of the spine and thoracic cavity] Efimov IS, et al. **Ortop Travmatol Protez** 1984 Mar;(3):14–7 (Eng. Abstr.) **(Rus)**

[Infectious complications in patients with thoracic injuries under long-term artificial ventilation of the lungs] Avilova OM, et al. **Vestn Khir** 1984 Jan;132(1):132–4 (Eng. Abstr.) **(Rus)**

[Partial rupture of the main bronchus in open chest trauma] Babadzhanov BR, et al. **Vestn Khir** 1983 Dec;131(12):65 **(Rus)**

[Pathogenetic basis of rendering aid to patients with combined closed chest injuries] Chernobrovyi NP, et al. **Vestn Khir** 1984 May;132(5):125–8 **(Rus)**

[Hemostatic indices in combined injuries of the head and thorax] Gadzhiev MG. **Vestn Khir** 1984 Feb;132(2):54–6 (Eng. Abstr.) **(Rus)**

[Roentgenological image of lung contusion in penetrating thoracic injuries] Ishchenko BI, et al. **Vestn Rentgenol Radiol** 1983 Jul-Aug;(4):48–51 (Eng. Abstr.) **(Rus)**

[Therapeutic gymnastics in the complex treatment of combined injuries of the chest and bones of the extremities] Epifanov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):32–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Peritoneal lavage. Reliability of RBC count in patients with stab wounds to the chest. Thal ER. **Arch Surg** 1984 May; 119(5):579–84

[Enzyme studies in closed thoracic injuries] Tsankov A, et al. **Khirurgiia (Sofiia)** 1983;36(5):430–5 **(Bul)**

[Computed tomography in abdominal and thoracic trauma; comparative evaluation with abdominal ultrasonography and chest radiography] Klels E, et al. **J Belge Radiol** 1983; 66(1):31–8 (Eng. Abstr.) **(Fre)**

[Emergency thoracoscopy in closed injuries of the chest cavity] Avilova OM, et al. **Grudn Khir** 1984 Mar-Apr; (2):52–6 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of thoracico-abdominal wounds] Infant'ev OE, et al. **Klin Khir** 1983 Oct;(10):28–30 (Eng. Abstr.) **(Rus)**

[Therapeutic procedure in closed chest injury] Kabanov AN, et al. **Klin Khir** 1983 Oct;(10):1–4 (Eng. Abstr.) **(Rus)**

[Thoracoscopy in the diagnosis of thoracic diseases] Sobotovich VF, et al. **Klin Med (Mosk)** 1983 Nov; 61(11):72–6 (Eng. Abstr.) **(Rus)**

[Various aspects of diagnosis and treatment of severe cranio-thoracic trauma] Borshchagovskii ML, et al. **Vestn Khir** 1984 Jan;132(1):88–92 **(Rus)**

[Laparoscopy in penetrating thoraco-abdominal wounds] Buianov VM, et al. **Vestn Khir** 1984 Jun;132(6):65–7 (Eng. Abstr.) **(Rus)**

[An isolated wound of the gallbladder in thoraco-abdominal injury] Sokolov PN, et al. **Vestn Khir** 1983 Sep;131(9):100–1 **(Rus)**

DRUG THERAPY

Corticosteroids in the treatment of blunt injury of the chest. Svennevig JL, et al. **Injury** 1984 Sep;16(2):80–4

ETIOLOGY

Chest injuries in children. Kolandaivelu G, et al. **Indian J Chest Dis Allied Sci** 1983 Jul-Sep;25(3):232–4

Thoracic injuries in road traffic accidents: analysis of 148 cases. Adeyemo AO, et al. **Injury** 1984 Jul;16(1):30–4

Chest wall injuries and the seat belt syndrome. Newman RJ.

Injury 1984 Sep;16(2):110–3
A prospective study of 413 consecutive car occupants with chest injuries. Newman RJ, et al. **J Trauma** 1984 Feb; 24(2):129–35
Severe thoracic and abdominal injuries associated with lap–harness seatbelts. Woelfel GF, et al. **J Trauma** 1984 Feb;24(2):166–7
[Possibility of injury in the chest area due to air–pressure weapons – reconstruction of a questionable suicide] Schellmann B, et al. **Beitr Gerichtl Med** 1983;41:75–9 (Eng. Abstr.) (Ger)

METABOLISM

CK and CK–MB in skeletal muscle of athletes and in serum after thoracic contusion in sport. Kettunen P, et al. **J Sports Med Phys Fitness** 1984 Mar;24(1):21–5
Metabolic studies in chest trauma. Bartlett RH, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):503–8

OCCURRENCE

Penetrating stab injuries of the chest and abdomen. Lambrianides AL, et al. **Injury** 1984 Mar;15(5):300–3
[Thoracic injuries] Lipiński J, et al. **Wiad Lek** 1984 Mar 1; 37(5):342–8 (Eng. Abstr.) (Pol)

PATHOLOGY

Homicidal penetrating incised wounds of the thorax. An autopsy study of 52 cases. Moar JJ. **S Afr Med J** 1984 Mar 10;65(10):385–9
Dual penetrating incised wounds of the thorax [letter] Moar JJ. **S Afr Med J** 1984 Jun 16;65(24):948–9
[Case of penetrating multiple organ injury by a stake through the rectum with a peculiar clinical course] Temelkov T, et al. **Khirurgiia (Sofiia)** 1983;36(2):172–4 (Rus)
[Establishment of the sequence of rib fractures in chest cavity trauma] Buguev DT. **Sud Med Ekspert** 1983 Jul–Sep; 26(3):9–10 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Cardiovascular distortion in experimental nonpenetrating chest impacts. Cooper GJ, et al. **J Trauma** 1984 Mar; 24(3):188–200
Experimental pendulum air in the flail chest. Harada K, et al. **Jpn J Surg** 1983 May;13(3):219–26

RADIOGRAPHY

Mediastinal–width/chest–width ratio in blunt chest trauma: a reappraisal. Marnocha KE, et al. **AJR** 1984 Feb; 142(2):275–7
Chest roentgenographic findings in 26 patients with traumatic rupture of the thoracic aorta. Sturm JT, et al. **Ann Emerg Med** 1983 Oct;12(10):598–600
Radiographic manifestations of mediastinal hemorrhage from blunt chest trauma. Woodring JH, et al. **Ann Thorac Surg** 1984 Feb;37(2):171–8 (64 ref.)
New murmur following blunt chest trauma [clinical conference] Szabo JR, et al. **Invest Radiol** 1984 May–Jun; 19(3):163–7
The radiology of blunt chest trauma. Shulman HS, et al. **J Can Assoc Radiol** 1983 Sep;34(3):204–17
The use of computed tomography in evaluating chest wall pathology. Leitman BS, et al. **J Comput Tomogr** 1983 Nov; 7(4):399–405
Bullet–shaped chest tube tip: potential pitfall in diagnosis. Mesmer JM, et al. **J Forensic Sci** 1984 Jan;29(1):340–4
Blunt trauma to the chest. Kabnick EM, et al. **J Natl Med Assoc** 1984 Apr;76(4):413–4
Combined azygous vein and subclavian artery injury in blunt chest trauma. Baldwin JC, et al. **J Trauma** 1984 Feb; 24(2):170–1
[Value of the lateral chest x–ray in the diagnosis of traumatic pleural effusions] Barbaste P, et al. **Ann Fr Anesth Reanim** 1984;3(3):189–93 (Eng. Abstr.) (Fre)
[Computer tomography in traumatology. Thoracic injuries] Hagemann J, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:58–66 (Ger)

REHABILITATION

Long–term disability after flail chest injury. Landercasper J, et al. **J Trauma** 1984 May;24(5):410–4

SURGERY

Operative management of penetrating wounds of the chest. Experience with 41 patients on the island of Curaçao. Van Nooten G, et al. **Acta Chir Belg** 1984 Mar–Apr;84(2):57–60
Emergency thoracotomies for penetrating trauma. Washington B, et al. **Curr Surg** 1984 Jan–Feb;41(1):14–7
Iatrogenic Horner's syndrome secondary to chest tube thoracostomy. Fleishman JA, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):205–10
Massive chest trauma due to impalement. Robicsek F, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):634–6
Fence post impalement injury of the chest with air embolus: case report. Kron IL, et al. **Va Med** 1983 Nov;110(11):666–8
[Surgical treatment of thoracic injuries] Hájek M. **Rozhl Chir** 1984 Feb;63(2):94–7 (Eng. Abstr.) (Cze)
[Serious thoracoabdominal injuries] Michek J, et al. **Rozhl Chir** 1983 Sep;62(8–9):624–7 (Eng. Abstr.) (Cze)
[Serious injury of the thorax with a circular saw] Rosipal A, et al. **Rozhl Chir** 1983 Sep;62(8–9):628–31 (Eng. Abstr.) (Cze)
[Blunt chest injuries] Imdahl H. **Langenbecks Arch Chir** 1983; 361:79–118 (Ger)
[Tracheobronchial disruption and right superior lobe tear] Pinter H, et al. **Zentralbl Chir** 1984;109(2):104–10 (Ger)
[Operative stabilization of traumatic flail chest successfully achieved with orthopedic metal plates—a case report] Ikeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2196–201 (Eng. Abstr.) (Jpn)
[Errors in treating thoracico–abdominal wounds] Teltel'baum IB, et al. **Klin Khir** 1983 Oct;(10):51–3 (Rus)
[Surgical treatment of thoracoabdominal wounds] Bisenkov LN. **Vestn Khir** 1983 Dec;131(12):58–62 (Eng. Abstr.) (Rus)
[When should patients with thoracic injuries be operated on?] Cársky S. **Rozhl Chir** 1984 Mar;63(3):171–4 (Eng. Abstr.) (Slo)
[Anesthesia in the reconstruction of the traumatized thorax] Paris M, et al. **Rev Esp Anestesiol Reanim** 1984 Jan–Feb; 31(1):16–9 (Eng. Abstr.) (Spa)
[Intensive care of chest injuries using internal pneumatic stabilization] Ramos F, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):63–6 (Eng. Abstr.) (Spa)

THERAPY

Experiences in the management of chest injuries and a review of current management. Kwa BH. **Ann Acad Med Singapore** 1983 Jul;12(3):474–8
Management of flail chest. Miller HA, et al. **Can Med Assoc J** 1983 Nov 15;129(10):1104–7
Chest injuries in civilian life and their treatment. Ozgen G, et al. **Chest** 1984 Jan;85(1):89–92
Approaches to the management of shotgun injuries. Flint LM, et al. **J Trauma** 1984 May;24(5):415–9
Thoracic and abdominal injuries in skiers: the role of air evacuation. Jurkovich GJ, et al. **J Trauma** 1983 Sep; 23(9):844–8
Outpatient management of 357 gunshot wounds to the chest. Ordog GJ, et al. **J Trauma** 1983 Sep;23(9):832–5
Management of flail chest using high frequency jet ventilation. Case report. Love GA, et al. **Mo Med** 1984 Apr;81(4):207–9
[Appropriate management of penetrating thoracic stab injuries] Jaschke W. **Aktuel Traumatol** 1984 Jun;14(3):93–6 (Eng. Abstr.) (Ger)
[Primary care of penetrating thoracic stab injuries] Schwarz N. **Unfallheilkunde** 1984 Jun;87(6):247–50 (Eng. Abstr.) (Ger)
[Blood reinfusion in injuries of the thorax and abdomen] Abakumov MM, et al. **Vestn Khir** 1984 Apr;132(4):78–81 (Eng. Abstr.) (Rus)
[Intensive care in thoracic injuries using conservative treatment] Ramos F, et al. **Rev Esp Anestesiol Reanim** 1984 Mar–Apr;31(2):59–62 (Eng. Abstr.) (Spa)

VETERINARY

Thoracic bite wounds and associated internal injury in 11 dogs and 1 cat. McKiernan BC, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):959–64

THORACIC NEOPLASMS

[A rare case of costal tumor] Didilescu C, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):189–92 (Eng. Abstr.) (Rum)

ANALYSIS

[Immunohistochemical findings in intrathoracic tumors. II. Demonstration of alpha 1–antitrypsin in tumor tissue] Eckert H. **Z Erkr Atmungsorgane** 1983;161(3):319–24 (Eng. Abstr.) (Ger)

COMPLICATIONS

Two–dimensional echocardiography in the detection of noneffusive cardiac involvement by intrathoracic neoplasms. Cohen IS, et al. **Am Heart J** 1984 Mar; 107(3):532–6
Pancoast syndrome caused by extramedullary plasmacytoma. Chen KT, et al. **J Surg Oncol** 1983 Oct;24(2):117–8
Systemic–pulmonary shunting and hemoptysis in a benign intrathoracic teratoma. Hayden CK Jr, et al. **Pediatr Radiol** 1984;14(1):52–4
Scoliogenic osteoblastoma of the posterior end of the rib. A case report. Denis F, et al. **Spine** 1984 Jan–Feb;9(1):74–6
[Hypoglycemia caused by extrapancreatic tumors] Andreani D, et al. **Journ Annu Diabetol Hotel Dieu** 1983;:119–29 (Fre)
[Association of auricular arrhythmias with malignant thoracic tumors (letter)] Thiroloix P, et al. **Presse Med** 1984 Apr 7;13(15):945 (Fre)
[Hypoglycemia in an intrathoracic proliferating fibroma. Contribution to the Doege–Potter syndrome] Heinrich P, et al. **Zentralbl Chir** 1984;109(2):114–8 (Ger)

DIAGNOSIS

Malignancy–associated serosanguinous pleural effusions. Broghamer WL Jr, et al. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):46–50
NMR imaging of the chest at 0.12 T: initial clinical experience with a resistive magnet. Axel L, et al. **AJR** 1983 Dec; 141(6):1157–62
Intrathoracic extramediastinal cystic hygroma. Pike MG, et al. **Arch Dis Child** 1984 Jan;59(1):75–7
Tissue culture as a diagnostic technique for soft–tissue sarcoma of childhood. Garvin AJ, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):308–10
Fine needle aspiration biopsy cytology for diagnosis of intrathoracic lesions. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar;25:41–5
Localized sarcoma of the chest wall [clinical conference] Raney RB Jr. **Med Pediatr Oncol** 1984;12(2):116–8
Magnetic resonance of the chest: initial experience with imaging and in vivo T1 and T2 calculations. Ross JS, et al. **Radiology** 1984 Jul;152(1):95–101
[Personal experience in fiberoptic bronchoscopy: report on the 1st 600 cases] Lococo A, et al. **Ann Ital Chir** 1983; 55(2):137–44 (Eng. Abstr.) (Ita)
[Ultrasonographic diagnosis of lung and thoracic diseases] Natori H, et al. **Kokyu To Junkan** 1984 Jun;32(6):569–74 (Jpn)

DRUG THERAPY

Vertebral hyperemia associated with bone marrow insult and recovery. Klein HA, et al. **Clin Nucl Med** 1984 Jun; 9(6):307–9
[Results of treatment of patients with lymphosarcoma according to the ACVP regimen] Abdyldaev RA, et al. **Ter Arkh** 1983;55(8):40–3 (Eng. Abstr.) (Rus)

ETIOLOGY

Angiosarcoma in irradiated post–mastectomy chest wall. Davies JD, et al. **Histopathology** 1983 Nov;7(6):947–56
[A case of subcapsular tumor following thoracoplasty] Yamane Y, et al. **Kyobu Geka** 1984 Mar;37(3):231–4 (Jpn)
[Malignant tumors of the lung and chest wall after combined treatment of breast cancer (5 cases)] Altakov ZN, et al. **Med Radiol (Mosk)** 1984 May;29(5):72–4 (Rus)

FAMILIAL & GENETIC

[Cytogenetic analyses of malignant exudates—a new aid in diagnosis] Korsgaard R, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:1034 (Ger)

PATHOLOGY

Malignant schwannoma associated with embryonal rhabdomyoblastic foci in a single tumor. Tanimura A, et al. **Acta Pathol Jpn** 1984 Jan;34(1):133–8
Thoracic biopsy: CT guidance of thin–needle aspiration. Gobien RP, et al. **AJR** 1984 Apr;142(4):827–30
Intrathoracic neuroblastoma presenting with neonatal cardiorespiratory distress. Halpérin DS, et al. **Chest** 1984 Jun;85(6):822–3
Metastatic melanoma to the palatine tonsil. Myer CM 3d, et al. **Ear Nose Throat J** 1983 Oct;62(10):62, 64
Mesenchymal chondrosarcoma – a case report with brief review of the literature. Chong SM. **Malays J Pathol** 1982 Aug;5:55–62
Elastofibroma dorsi. Lee ME, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):138–40
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 11–1984. Long–standing sarcoidosis with the recent onset of the superior–vena–cava syndrome. **N Engl J Med** 1984 Mar 15;310(11):708–16
[Intrathoracic splenosis. Apropos of a case] Brune J, et al. **Rev Fr Mal Respir** 1980;8(3):195–200 (Eng. Abstr.) (Fre)
[Malignant fibrous histiocytoma of the chest wall projecting into the thoracic cavity] Kanda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):68–73 (Eng. Abstr.) (Jpn)
[Emergency surgical diagnosis using a cytological method in cancer patients] Agamova KA, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):101–4 (Eng. Abstr.) (Rus)
[Tumors of the chest wall] Gil Turner C. **An R Acad Nac Med (Madr)** 1983;100(2):209–12 (Spa)

RADIOGRAPHY

Occult neuroblastoma presenting with opsomyoclonus: utility of computed tomography. Farrelly C, et al. **AJR** 1984 Apr; 142(4):807–10
Utility of CT in detecting postpneumonectomy carcinoma recurrence. Glazer HS, et al. **AJR** 1984 Mar;142(3):487–94
Nonoperative diagnosis of intrathoracic splenosis. Scales FE, et al. **AJR** 1983 Dec;141(6):1273–4
Oblique chest film: value in routine and selective use. Young JW, et al. **AJR** 1984 Jan;142(1):69–72
The role of computed tomography in the detection of intrathoracic lymphoma. Gallagher CJ, et al. **Br J Cancer** 1984 May;49(5):621–9
Computed tomography of the lung, pleura, and chest wall. Pugatch RD, et al. **Clin Chest Med** 1984 Jun;5(2):265–80 (42 ref.)
Chest mass in a teen–age girl. Morrison SC, et al. **Invest Radiol** 1983 Sep–Oct;18(5):401–5

Computed tomography of adult neuroblastoma. Feinstein RS, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):720–6
Postoperative malignant seroma: CT demonstration of its formation mechanism. Shin MS, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1001–4
The use of computed tomography in evaluating chest wall pathology. Leitman BS, et al. **J Comput Tomogr** 1983 Nov; 7(4):399–405
Computed tomography of juxtacardiac pheochromocytoma. Shirkhoda A, et al. **J Comput Tomogr** 1984 Jul;8(3):207–9
Cervical neurogenic tumors presenting as thoracic apical masses in infants and children. Riggs W Jr, et al. **Pediatr Radiol** 1977;5(4):201–3
Lymphoma after organ transplantation: radiologic manifestations in the central nervous system, thorax, and abdomen. Tubman DE, et al. **Radiology** 1983 Dec; 149(3):625–31
[Diagnosis of intrathoracic lipoma by computer assisted tomography: a case report] Loxton AJ, et al. **S Afr Med J** 1984 Apr 14;65(15):621–2 (Eng. Abstr.) **(Afr)**
[X-ray diagnosis of intrathoracic mesothelioma—analysis of 12 cases] Yang ZY. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):60–2 (Eng. Abstr.) **(Chi)**
[The value of computer tomography in the diagnosis of chest wall tumors] Rotte KH, et al. **Arch Geschwulstforsch** 1983; 53(5):441–8 (Eng. Abstr.) **(Ger)**
[Initial clinical experiences with the fast digital picture of roentgen transmission profiles in the human (the chronogram)] Hübener KH, et al. **Computertomographie** 1982 Jun;2(2):83–91 (Eng. Abstr.) **(Ger)**
[Thoracic computer tomography in malignant Hodgkin lymphoma] Vock P, et al. **Computertomographie** 1981 Jun; 1(2):68–73 (Eng. Abstr.) **(Ger)**
[2 cases of intrathoracic lipoma] Ishikawa K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1085–8 (Eng. Abstr.) **(Jpn)**
[X-ray characteristics of thyroid cancer metastases into the organs of the chest cavity] Lutsenko IV. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):33–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Calcification and uptake of Tc-99m diphosphonates in neuroblastomas: concise communication. Martin-Simmerman P, et al. **J Nucl Med** 1984 Jun; 25(6):656–60

RADIOTHERAPY

A simple isocentric technique for irradiation of the breast, chest wall and peripheral lymphatics. Podgorsak EB, et al. **Br J Radiol** 1984 Jan;57(673):57–63
Antibody-guided irradiation of malignant lesions: three cases illustrating a new method of treatment. A report from the Hammersmith Oncology Group and the Imperial Cancer Research Fund. **Lancet** 1984 Jun 30;1(8392):1441–3
The value of computed tomography in planning radiotherapy of intra-thoracic tumours. Badcock PC. **Strahlentherapie** 1984 Jan;160(1):26–30
[Radiation reactions in the use of cobalt teletherapy mantle technic in the area of the thorax] Keinert K, et al. **Radiobiol Radiother (Berl)** 1983;24(3):279–82 (Eng. Abstr.) **(Ger)**

SECONDARY

The importance of one-stage median sternotomy and retroperitoneal node dissection in disseminated testicular cancer. Mandelbaum I, et al. **Ann Thorac Surg** 1983 Nov; 36(5):524–8
Incidence and distribution of intrathoracic metastases from renal cell carcinoma. Kutty K, et al. **Arch Intern Med** 1984 Feb;144(2):273–6
Chest wall metastasis via a deltopectoral flap. A case report. Oka M, et al. **Fukuoka Igaku Zasshi** 1984 Apr;75(4):210–5
[Cervical localization of a carcinoidosis developing over a 20-year period] Gallois JR, et al. **J Fr Otorhinolaryngol** 1983 Nov;32(9):575–7 **(Fre)**
[Pulsating tumor of the left thoracic wall following pneumonectomy] Goebel N, et al. **Z Kardiol** 1983 Sep; 72(9):553–5 (Eng. Abstr.) **(Ger)**

SECRETION

[Case of intrathoracic pheochromocytoma occurring 9 years after resection of intraabdominal paraaortic pheochromocytoma: effect of metoclopramide and sulpiride on catecholamine secretion in vitro] Oishi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20; 59(10):1608–19 (Eng. Abstr.) **(Jpn)**

SURGERY

Radical forequarter amputation with chest wall resection. Roth JA, et al. **Ann Thorac Surg** 1984 May;37(5):423–7
Review of thoracic neuroblastoma. Goon HK, et al. **Aust Paediatr J** 1984 Mar;20(1):17–21
Management of a patient after partial chest wall resection and excision of hemidiaphragm. Moorthy SS, et al. **Indiana Med** 1984 Jun;77(6):456–8
Reconstruction of large anterior full-thickness defect in the chest wall after resection of chondrosarcoma. Larsson S, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):63–7
Chest wall resection for bronchogenic carcinoma. van de Wal HJ, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):170–3
The role of surgery in non-localized neuroblastoma. Analysis of 59 cases. Cecchetto G, et al. **Tumori** 1983 Aug 31; 69(4):327–9
[Reconstruction of the chest wall following extensive resection for primary tumors] Wang MS. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):358–9 (Eng. Abstr.) **(Chi)**
[Chest wall resection and reconstruction for malignant lesions] Zoetmulder FA, et al. **Ned Tijdschr Geneeskd** 1984 Jun 16;128(24):1130–4 (Eng. Abstr.) **(Dut)**
[Dorsal extradural hourglass lipoma in children] Adam Y, et al. **Chir Pediatr** 1984;25(1):32–6 (Eng. Abstr.) **(Fre)**
[Reconstruction of the chest wall after wide thoracectomy for neoplasma. Description of a personal technic] di Fabio D, et al. **Minerva Chir** 1984 Feb 28;39(4):213–6 (Eng. Abstr.) **(Ita)**
[Chest wall tumors. Considerations on 158 operated cases] Coman C, et al. **Rev Chir [Chir]** 1984 Mar-Apr;33(2):113–21 (Eng. Abstr.) **(Rum)**

THERAPY

Complications of embolization treatment for problem cavernous hemangiomas. Demuth RJ, et al. **Ann Plast Surg** 1984 Aug;13(2):135–44

ULTRASTRUCTURE

Fibrous hamartoma of infancy: an ultrastructural study. Greco MA, et al. **Hum Pathol** 1984 Aug;15(8):717–23

THORACIC NERVES

Respiratory failure following intercostal nerve blockade. Casey WF. **Anaesthesia** 1984 Apr;39(4):351–4
Intercostal nerve block by jet injection. Seddon SJ, et al. **Anaesthesia** 1984 May;39(5):484–6
Continuous intercostal nerve blockade [letter] **Br J Anaesth** 1984 Jun;56(6):665–6
Surgical treatment of the 'slipping rib syndrome'. Copeland GP, et al. **Br J Surg** 1984 Jul;71(7):522–3
Isolated paralysis of the serratus anterior. A report of 20 cases. Foo CL, et al. **J Bone Joint Surg [Br]** 1983 Nov; 65(5):552–6

ABNORMALITIES

Abnormal nerve supply of the musculus oliquus externus abdominis in man. Miyauchi R. **Kaibogaku Zasshi** 1983 Oct; 58(5):513–25

ANATOMY & HISTOLOGY

Continuous intercostal nerve blockade. An anatomical study to elucidate its mode of action. Murphy DF. **Br J Anaesth** 1984 Jun;56(6):627–30
Relations between axon length and axon caliber. 'Is maximum conduction velocity the factor controlling the evolution of nerve structure'? Friede RL, et al. **J Neurol Sci** 1984 Mar;63(3):369–80

CYTOLOGY

Restoration of function in external intercostal motoneurones of the cat following partial central deafferentation. Kirkwood PA, et al. **J Physiol (Lond)** 1984 May;350:225–51
Quantitative morphological changes in phrenic and intercostal motor columns and their respective spinal cord segments during postnatal development in the kitten. Rose D, et al. **Neurosci Lett** 1983 Sep 30;40(2):119–25

DRUG EFFECTS

Complications of intercostal nerve blocks performed under direct vision during thoracotomy: a report of two cases. Gallo JA Jr, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):628–30

INJURIES

Pectoralis minor transfer in serratus anterior paralysis. Vastamäki M. **Acta Orthop Scand** 1984 Jun;55(3):293–5
Intercostal nerve transection and its effect on the dorsal root ganglion. A quantitative study on thoracic ganglion cell numbers and sizes in the rat. Ygge J, et al. **Exp Brain Res** 1984;55(3):402–8
Winging of the scapula in patients for breast reconstruction [letter] Durand LS. **Plast Reconstr Surg** 1984 Jul; 74(1):153–4

PHYSIOLOGY

Fine afferent fibers from viscera do not terminate in the substantia gelatinosa of the thoracic spinal cord. Cervero F, et al. **Brain Res** 1984 Mar 5;294(2):370–4
[Descending inhibition from mesencephalic ventromedial periaqueductal gray upon viscero-intercostal reflex] Sonoda H. **Masui** 1983 Dec;32(12):1497–512 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Conduction studies of the long thoracic nerve in serratus anterior palsy of different etiology. Petrera JE, et al. **Neurology (NY)** 1984 Aug;34(8):1033–7

SURGERY

Intercostal neurotization of the peripheral nerves in avulsion plexus injuries. Dolenc VV. **Clin Plast Surg** 1984 Jan; 11(1):143–7
Intercostal nerve transfer in brachial plexus injuries: an experimental study. Tomita Y, et al. **Microsurgery** 1983; 4(2):95–104
Studies on conversion of motor function in intercostal nerves crossing for complete brachial plexus injuries of root avulsion type. Takahashi M. **Nippon Seikeigeka Gakkai Zasshi** 1983 Nov; 57(11):1799–807

THORACIC OUTLET SYNDROME

BLOOD

[Status of the hemostatic system in trigeminal neuralgia and facial pain of cervical origin] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):374–8 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Staging of arterial complications of cervical rib: guidelines for surgical management. Scher LA, et al. **Surgery** 1984 Jun;95(6):644–9

COMPLICATIONS

Thoracic duct obstruction associated with the thoracic outlet syndrome. Tallroth K, et al. **Acta Chir Scand** 1983; 149(8):797–800
[Vascular complications in the thoracic outlet syndrome] Pellegrino F. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:35–44 **(Ita)**
[Cervical rib syndrome with aneurysm of the subclavian artery. Clinical case] Antonini G, et al. **Riv Neurol** 1983 Sep-Oct;53(5):353–8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Thoracic outlet syndrome. Electrophysiologic reappraisal. Jerrett SA, et al. **Arch Neurol** 1984 Sep;41(9):960–3
Diagnosis and management of thoracic outlet syndrome. Stallworth JM, et al. **Arch Surg** 1984 Oct;119(10):1149–51
Thoracic outlet syndrome [letter] Gilliatt RW. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):764
[Association of 2 congenital diseases—cervical rib and aberrant pancreas simulating cancer of the stomach with Virchow's metastasis] Ginev B, et al. **Khirurgiia (Sofiia)** 1984;37(1):36–9 **(Bul)**
[Thoracic outlet syndrome. Diagnosis by Roos' test (letter)] Barsotti J, et al. **Presse Med** 1984 May 19;13(21):1335 **(Fre)**
[Syndrome of the narrow superior thoracic aperture. Thoracic outlet syndrome] Abendroth D, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):334–40 (Eng. Abstr.) **(Ger)**
[Case from general practice (17)] Halter K. **Praxis** 1983 Sep 27;72(39):1251–2 **(Ger)**
[Thoracic outlet syndrome] Romanoff H, et al. **Harefuah** 1984 Jan 1;106(1):5–7 (Eng. Abstr.) **(Heb)**
[The clinical and anatomical study of thoracic outlet syndrome] Minamikawa H. **Igaku Kenkyu** 1983 Dec; 53(6):341–55 (Eng. Abstr.) **(Jpn)**
['Numbed fingers' – an overview and a proposal to a survey] Borg K, et al. **Lakartidningen** 1983 Dec 28;80(52):5076–80 **(Swe)**

ETIOLOGY

Thoracic outlet syndrome: ten years later. Vo NM. **Conn Med** 1984 Mar;48(3):143–6 (35 ref.)
Thoracic outlet syndrome following correction of scoliosis in a patient with cervical ribs. A case report. Grimer RJ, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1172–3

OCCURRENCE

Cervicobrachial disorders in certain occupations, with special reference to compression in the thoracic outlet. Sällström J, et al. **Am J Ind Med** 1984;6(1):45–52

PHYSIOPATHOLOGY

Evidence for conduction delay in thoracic-outlet syndrome is challenged [letter] Wilbourn AJ, et al. **N Engl J Med** 1984 Apr 19;310(16):1052–3

RADIOGRAPHY

The cervicothoracic junction on chest radiograph. Jones MD, et al. **Radiol Clin North Am** 1984 Sep;22(3):487–96 (20 ref.)

SURGERY

Surgical treatment of the thoracic outlet syndrome. Sällström J, et al. **Acta Chir Scand** 1983;149(6):555–60
Supraclavicular radical scalenectomy and transaxillary first rib resection for the thoracic outlet syndrome. A combined approach. Qvarfordt PG, et al. **Am J Surg** 1984 Jul; 148(1):111–6
Thoracic outlet compression. Heughan C. **Can J Surg** 1984 Jan;27(1):35–6

A systematic approach to thoracic outlet syndrome. Coccia MR, et al. **Curr Surg** 1984 Jan–Feb;41(1):10–2

Thoracic outlet syndrome: diagnosis and management with a new surgical technique. Fernandez Noda EI, et al. **Herz** 1984 Feb;9(1):52–6

[Roos' axillary approach to the brachial plexus] Hubert J, et al. **Bull Assoc Anat (Nancy)** 1983 Sep;67(198):309–13 (Eng. Abstr.) (Fre)

[Thoracic outlet syndrome. Apropos of 112 cases: toward a more refined tactical approach] Batt M, et al. **J Chir (Paris)** 1983 Dec;120(12):687–91 (Eng. Abstr.) (Fre)

[Neurovascular syndrome of the upper limb. Results of surgical therapy] Puglionisi A, et al. **Minerva Cardioangiol** 1983 Dec;31(12):727–31 (Eng. Abstr.) (Ita)

[First rib resection for the treatment of thoracic-outlet syndrome] Wada J, et al. **Rinsho Kyobu Geka** 1984 May; 4(3):257–60 (Jpn)

THERAPY

Thoracic outlet syndrome. Coccia MR, et al. **Am Fam Physician** 1984 Feb;29(2):121–6

Thoracic outlet compression syndrome: current concepts and surgical experience. Daskalakis MK. **Int Surg** 1983 Oct–Dec;68(4):337–44

Physiotherapy in patients with thoracic outlet syndrome. Sällström J, et al. **Vasa** 1983;12(3):257–61

THORACIC RADIOGRAPHY

Utility of CT in detecting postpneumonectomy carcinoma recurrence. Glazer HS, et al. **AJR** 1984 Mar;142(3):487–94

Glossary of terms for thoracic radiology: recommendations of the Nomenclature Committee of the Fleischner Society. Tuddenham WJ. **AJR** 1984 Sep;143(3):509–17

Difference between in vivo and postmortem distances between anterior chest and heart surface. A combined autopsy and in vivo computerized tomography study. Ormstad K, et al. **Am J Forensic Med Pathol** 1984 Mar; 5(1):31–5

Identification of left ventricular hypertrophy: chest roentgenography, echocardiography, and electrocardiography. Dreslinski GR. **Am J Med** 1983 Sep 26;75(3A):47–50

Value of routine chest radiography in an acute geriatric unit. Denham M, et al. **Br Med J [Clin Res]** 1984 Jun 9; 288(6432):1726–7

Chemotherapy port 'Twiddler's syndrome'. A need for preinjection radiography. Gebarski SS, et al. **Cancer** 1984 Jul 1;54(1):38–9

Symposium on chest radiology. **Clin Chest Med** 1984 Jun; 5(2):211–381

Identification from radiographs. Healey T. **Clin Radiol** 1983 Sep;34(5):589–92

Computed tomography of the chest: an update. Miller JT Jr, et al. **Compr Ther** 1984 Mar;10(3):53–66 (38 ref.)

Abdominal and thoracic CT. **Comput Radiol** 1983 Sep–Oct; 7(5):267–322

Radiographic evaluation of asbestos-related chest disorders. Gefter WB, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(2):133–81 (115 ref.)

Radiographic evaluation of the postoperative neonatal chest. Altman AR, et al. **Curr Probl Diagn Radiol** 1984 Jan–Feb; 13(1):1–40

Intravenous contrast bolus in computed tomography investigation of mass lesion. Love L, et al. **Diagn Imag Clin Med** 1984;53(2):57–66

Chest X-ray screening statements. **FDA Drug Bull** 1983 Aug; 13(2):13–4

Chest radiographic–pathologic correlation in adult leukemia patients. Maile CW, et al. **Invest Radiol** 1983 Nov–Dec; 18(6):495–9

Quantitative analysis of a vascular tree model with the dynamic spatial reconstructor. Block M, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):390–400

Computed tomography of the chest: current indications. Somogyi JW. **J Med Assoc Ga** 1984 Feb;73(2):71–5 (33 ref.)

Diagnosis of Hurler's syndrome with chest roentgenogram. Kabnick EM, et al. **J Natl Med Assoc** 1984 May;76(5):515–8

Chest X-ray examinations in occupational medicine. Poda GA. **J Occup Med** 1983 Oct;25(10):773

The effective use of diagnostic radiology. Roberts CJ. **J R Coll Physicians Lond** 1984 Jan;18(1):62–5

Towards the effective use of diagnostic radiology in surgical practice: discussion paper. Roberts CJ. **J R Soc Med** 1983 Sep;76(9):755–9

Usefulness of screening chest roentgenograms in preoperative patients. Rucker L, et al. **JAMA** 1983 Dec 16; 250(23):3209–11

Chest X-rays and childhood asthma [letter] Gillies DR, et al. **Lancet** 1983 Nov 12;2(8359):1149

Analysis of eye fixations during the diagnostic interpretation of chest radiographs. de Valk JP, et al. **Med Biol Eng Comput** 1984 Jul;22(4):353–60

Chest radiography in first asthma attacks [letter] **N Engl J Med** 1984 Jan 12;310(2):125–6

Administration of IPPB to distinguish the pleural from parenchymal components of an opaque hemithorax. Johnson JF, et al. **Pediatr Radiol** 1983;13(5):279–80

The relationship between chest radiographic scores and respiratory function tests in children with cystic fibrosis. Matthew DJ, et al. **Pediatr Radiol** 1977;5(4):198–200

Radiographic assessment of venous catheter position in children: value of the lateral view. Stark DD, et al. **Pediatr Radiol** 1984;14(2):76–80

Effect of implants on chest wall [letter] Jobe RP. **Plast Reconstr Surg** 1983 Dec;72(6):919–20

Symposium on nonpulmonary aspects in chest radiology. **Radiol Clin North Am** 1984 Sep;22(3):461–761

Symposium on cardiopulmonary imaging. **Radiol Clin North Am** 1983 Dec;21(4):607–808

The lateral chest radiograph in the assessment of nonpulmonary health and disease. Austin JH. **Radiol Clin North Am** 1984 Sep;22(3):687–98 (27 ref.)

Nonpulmonary abnormalities recognizable in pediatric chest radiographs. Dunbar JS. **Radiol Clin North Am** 1984 Sep; 22(3):723–40 (34 ref.)

Radiologic appearance of compromised thoracic catheters, tubes, and wires. Dunbar RD. **Radiol Clin North Am** 1984 Sep;22(3):699–722 (45 ref.)

Thoracic findings in gastrointestinal pathology. Gedgaudas-McClees RK, et al. **Radiol Clin North Am** 1984 Sep;22(3):563–89 (87 ref.)

Computed tomography in acute cardiopulmonary disease. Goodman LR, et al. **Radiol Clin North Am** 1983 Dec; 21(4):741–58

A survey of digital chest radiography. Johnson GA, et al. **Radiol Clin North Am** 1983 Dec;21(4):655–64

Some telltales and pitfalls in chest radiology. Kattan KR. **Radiol Clin North Am** 1984 Sep;22(3):467–86 (57 ref.)

Systemic disorders affecting the thoracic cage. Subbarao K, et al. **Radiol Clin North Am** 1984 Sep;22(3):497–517 (46 ref.)

Advances in computed tomography of the thorax. Webb WR. **Radiol Clin North Am** 1983 Dec;21(4):723–39

Differentiation of aortic and mitral valve prostheses based on postoperative frontal chest radiographs. Gross BH, et al. **Radiology** 1983 Nov;149(2):389–91

Mediastinal hemorrhage: an evaluation of radiographic manifestations. Woodring JH, et al. **Radiology** 1984 Apr; 151(1):15–21

131I macro-aggregated albumin perfusion scanning and chest radiography in asbestos exposure. Sluis-Cremer GK, et al. **S Afr Med J** 1984 Sep 1;66(9):334–6

Phantom tumour of the lung secondary to left heart failure. A case report. Weich DJ, et al. **S Afr Med J** 1984 Mar 3;65(9):351–3

Laboratory screening prior to hand surgery. A life-saving endeavor. Kasdan ML, et al. **Surg Clin North Am** 1984 Aug;64(4):743–6

Comparative radiographic features of community acquired Legionnaires' disease, pneumococcal pneumonia, mycoplasma pneumonia, and psittacosis. Macfarlane JT, et al. **Thorax** 1984 Jan;39(1):28–33

Value of chest computed tomography in genitourinary malignancies. Sutton S, et al. **Urology** 1983 Dec;22(6):667–8

[Indication and value of computer tomography of the thorax] Gürtler KF, et al. **Prax Klin Pneumol** 1984 Mar;38(3):81–7 (Ger)

[Computer tomography aspects of benign intrathoracic space-occupying lesions] König R, et al. **Radiologe** 1984 Mar;24(3):101–10 (Eng. Abstr.) (Ger)

[Diagnosis of posttraumatic ruptures of the thoracic aorta in the full chest x-ray and in angiography] Bohndorf K, et al. **ROFO** 1984 May;140(5):515–9 (Eng. Abstr.) (Ger)

[Indication-related diagnostic radiology of the thorax region] Vock P, et al. **Ther Umsch** 1984 Mar;41(3):168–73 (Eng. Abstr.) (Ger)

[Diagnostic value of chest x-ray film in recognizing complications following homologous lung transplantation in the dog] Danzmann E, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(5):277–91 (Eng. Abstr.) (Ger)

[Unilateral thoracic hypertransparency due to congenital absence of pectoralis muscles] Rossi F, et al. **Radiol Med (Torino)** 1983 Jun;69(6):449–52 (Ita)

[What's new in thoracic radiology] Tricomi G. **Recenti Prog Med** 1983 Jul;74(7):765–9 (Ita)

[Role of thoracic radiography in chemotherapy of tuberculosis] Kameda K. **Kekkaku** 1983 Sep;58(9):501–4 (Jpn)

[Significance of lateral chest radiography in routine screening examination] Nakata H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jul;43(7):893–6 (Eng. Abstr.) (Jpn)

[A case of Weber-christian disease with multiple shadows on chest X-ray] Hashigami H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):1011–16 (Eng. Abstr.) (Jpn)

[Case of scimitar syndrome with pulmonary sequestration] Ohsaki Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep;21(9):904–9 (Eng. Abstr.) (Jpn)

[Experimental studies on the appearance of the linear shadow on chest roentgenogram] Katagiri S, et al. **Rinsho Hoshasen** 1984 Apr;29(4):483–8 (Eng. Abstr.) (Jpn)

[Unusual middle lobe atelectasis demonstrating an intrathoracic tumor-like shadow] Kubota H, et al. **Rinsho Hoshasen** 1983 Jun;28(6):653–6 (Eng. Abstr.) (Jpn)

[Value of the cardiothoracic index on the evaluation of myocardial involvement. Correlation with echocardiographic evaluation] Pereira-Barretto AC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):40–5 (Eng. Abstr.) (Por)

[Organs of the chest cavity in the computer tomographic image] Savchenko AP, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):7–12 (Eng. Abstr.) (Rus)

[Radiologic indices and measurements in the evaluation of pulmonary artery hypertension in chronic obstructive lung disease] Arenas JL, et al. **Arch Inst Cardiol Mex** 1983 May–Jun;53(3):187–90 (Eng. Abstr.) (Spa)

[The value of thoracic radiography in preoperative examination (letter)] Delás J. **Med Clin (Barc)** 1984 Jul 14; 83(6):269 (Spa)

[Thoracic radiography and chronic alcoholic hepatopathy (letter)] Torres Salinas M, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):423 (Spa)

ADVERSE EFFECTS

Radiation exposure and estimate of late effects of chest roentgen examination in children. Gustafsson M, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):309–14

[Screening the thyroid gland in x-ray diagnostic studies of the organs of the thoracic cavity] Belov SA, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):71–4 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Foil filters for equalized chest radiography. Vyborny C, et al. **Radiology** 1984 May;151(2):524

[Modulated filtration for routine standard thoracic films] Grenier P, et al. **J Radiol** 1984 Mar;65(3):211–3 (Eng. Abstr.) (Fre)

[Radiation exposure in whole body and cranial CT studies in relation to parameters of the examination technic] Fiebach BJ, et al. **Computertomographie** 1983 Sep; 3(3):108–11 (Eng. Abstr.) (Ger)

[A biosynchronizer for radiography of the respiratory organs in extremal phases of respiration] Amosov IS, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):61–2 (Eng. Abstr.) (Rus)

[Synchronizer for roentgenography of the thoracic organs in children in the inspiration phase] Katsenelenbogen AM, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):77–8 (Rus)

METHODS

Utility and efficacy of portable chest radiographs. Janower ML, et al. **AJR** 1984 Feb;142(2):265–7

Horizontal versus vertical, or lying down is better. Gyll C. **Br J Radiol** 1984 Feb;57(674):191–3

The radiology of cardiac pacemakers. Steiner RM, et al. **Cardiovasc Clin** 1983;14(2):63–95 (57 ref.)

Dynamic CT of the chest. Göthlin JH. **Eur J Radiol** 1983 Aug;3 Suppl 1:244–7

Comparison of AP supine vs PA upright methods of chest roentgenography in infants and young children. Gaisie G, et al. **J Natl Med Assoc** 1984 Feb;76(2):171–5

A scanning system for chest radiography with regional exposure control: practical implementation. Plewes DB, et al. **Med Phys** 1983 Sep–Oct;10(5):655–63

A scanning system for chest radiography with regional exposure control: theoretical considerations. Plewes DB. **Med Phys** 1983 Sep–Oct;10(5):646–54

[An improvement in the performance of emergency frontal- and lateral-view thoracic radiography] Lopez P, et al. **Ann Fr Anesth Reanim** 1984;3(1):59–60 (Eng. Abstr.) (Fre)

[Value of digital projection radiography with a CT apparatus for thoracic diagnosis] Bautz W, et al. **ROFO** 1984 May; 140(5):579–84 (Eng. Abstr.) (Ger)

['Intensive lungs'—possibilities for quality improvement] Fund G, et al. **Rontgenblatter** 1984 Jun;37(6):219–22 (Eng. Abstr.) (Ger)

[Digital radiography of the chest. Evaluation of normal anatomical structure and low dose radiography] Sakurai K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25;44(1):11–22 (Eng. Abstr.) (Jpn)

[Evaluation of diagnostic digital radiography of the chest in comparison with conventional chest x-ray films] Eguchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Dec; 21(12):1139–45 (Eng. Abstr.) (Jpn)

[Computer analysis of the roentgenological picture of the chest] Górecka D, et al. **Pneumonol Pol** 1984 Apr; 52(4):161–3 (Pol)

STANDARDS

Standard set of chest radiographs to test a radiologist's expertise [letter] Jaffe CC. **Invest Radiol** 1984 May–Jun; 19(3):242–4

[Statistical analysis of the data of standardized descriptions of thoracic radiography] Bem Z, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jan–Feb;47(1):30–3 (Eng. Abstr.) (Pol)

UTILIZATION

[X-ray examination of the lungs—always or sometimes?] Wójtowicz J. **Pol Tyg Lek** 1983 Dec 5;38(49):1521–8 (Pol)

THORACIC SURGERY

Unusual complication of thoracotomy: galactorrhea [letter] Rozencwajg J, et al. **Acta Chir Belg** 1984 Mar–Apr; 84(2):115

Continuous epidural infusion of morphine for treatment of pain after thoracic surgery: a new technique. El-Baz NM, et al. **Anesth Analg** 1984 Aug;63(8):757–64

Effect of transcutaneous nerve stimulation on postoperative pain after thoracotomy. Rooney SM, et al. **Anesth Analg** 1983 Nov;62(11):1010–2

Management of pain after thoracotomy: a technique of multiple intercostal nerve blocks [letter] Restelli L, et al. **Anesthesiology** 1984 Sep;61(3):353–4

Post-thoracotomy pain relief: combined use of cryoprobe and morphine infusion techniques. Orr IA, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):366–9

Management of penetrating cardiac injuries: the role of emergency room thoracotomy. Tavares S, et al. **Ann Thorac Surg** 1984 Sep;38(3):183–7

Persistent chest opacity in trophoblastic disease: is thoracotomy justified? Wong LC, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):237–40

Comparative trial of rectal indomethacin and cryoanalgesia for control of early postthoracotomy pain. Keenan DJ, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1335–7

Distinguished achievement award in chest surgery. Bellows JG. **Compr Ther** 1984 Mar;10(3):5

Emergency thoracotomies for penetrating trauma. Washington B, et al. **Curr Surg** 1984 Jan–Feb;41(1):14–7

Effects of thoracotomy on volume conductor properties of the canine torso. Mirvis DM. **J Electrocardiol** 1983 Jul; 16(3):279–86

Thoracostomy in the ICU nursery. Hearne A. **J Natl Med Assoc** 1983 Nov;75(11):1095–7

Complications of intercostal nerve blocks performed under direct vision during thoracotomy: a report of two cases. Gallo JA Jr, et al. **J Thorac Cardiovasc Surg** 1983 Oct; 86(4):628–30

Intrathoracic transposition of extrathoracic skeletal muscle. Pairolero PC, et al. **J Thorac Cardiovasc Surg** 1983 Dec; 86(6):809–17

Outcome of resuscitative thoracotomy and descending aortic occlusion performed in the operating room. Millikan JS, et al. **J Trauma** 1984 May;24(5):387–92

Musculocutaneous flap reconstruction of chest-wall defects: an experience with 50 patients. Larson DL, et al. **Plast Reconstr Surg** 1984 May;73(5):734–40

Nutritional status of thoracic surgical patients. A prospective evaluation. Delikaris P, et al. **S Afr Med J** 1983 Nov 12; 64(21):818–20

Resuscitative thoracotomy for patients with traumatic injury. Vij D, et al. **Surgery** 1983 Oct;94(4):554–61

Wound prophylaxis in thoracic surgery: a new approach. Walker WS, et al. **Thorax** 1984 Feb;39(2):121–4

Two successful thoracotomies in an infant of very low birth weight. Korvenranta H, et al. **Z Kinderchir** 1983 Oct; 38(5):336–7

[Reconstruction of the chest wall following extensive resection for primary tumors] Wang MS. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):358–9 (Eng. Abstr.) **(Chi)**

[Chest wall resection and reconstruction for malignant lesions] Zoetmulder FA, et al. **Ned Tijdschr Geneeskd** 1984 Jun 16;128(24):1130–4 (Eng. Abstr.) **(Dut)**

[Poland's syndrome: treatment of thoracic deformation in man] Giachero E, et al. **Ann Chir Plast Esthet** 1984; 29(2):141–4 (Eng. Abstr.) **(Fre)**

[Thoracic surgery in patients over the age of 70] Morel P, et al. **Helv Chir Acta** 1984 Jun;51(2):229–32 (Eng. Abstr.) **(Fre)**

[Respiratory physiotherapy in intensive care and during the postoperative period] Pythoud E, et al. **Rev Med Suisse Romande** 1983 Oct;103(10):887–94 **(Fre)**

[Thoracic surgery in patients over 70] Morel P, et al. **Schweiz Med Wochenschr** 1983 Sep 24;113(38):1350–5 (Eng. Abstr.) **(Fre)**

[Local antibiotic therapy of intrathoracic surgical infections in childhood] Willital GH. **Fortschr Med** 1983 Sep 22; 101(36):1631–4 **(Ger)**

[Thoracic surgery in a regional hospital. Cases over a period of 5 years] Bogen M, et al. **Helv Chir Acta** 1984 Jun; 51(2):225–7 (Eng. Abstr.) **(Ger)**

[German Society for Thoracic and Cardiovascular Surgery. 1983 Directory] **Thorac Cardiovasc Surg** 1984 Feb;32 Spec No 1:91–100 **(Ger)**

[Treatment of sequelae of burns on the trunk] Poulenas I, et al. **Z Kinderchir** 1983 Apr;38 Suppl:23–5 (Eng. Abstr.) **(Ger)**

[Pathophysiologic and technical aspects of transthoracic surgery of the spinal column] Hasse J. **Z Orthop** 1984 Jul–Aug;122(4):509–12 **(Ger)**

[Indications and technics in surgery of thoracic vertebrae using the anterior approach] Morscher E. **Z Orthop** 1984 Jul–Aug;122(4):512–5 **(Ger)**

[Efficacy of mediastinal examination by parasternal incision] Kimura S, et al. **Kyobu Geka** 1983 Jun;36(6):491–4 (Eng. Abstr.) **(Jpn)**

[Lymphocyte transformation responses before and after thoracotomy] Yamauchi A, et al. **Kyobu Geka** 1983 Jun; 36(6):470–3 (Eng. Abstr.) **(Jpn)**

[The 35th annual meeting of the Japanese Association for Thoracic Surgery] **Nippon Kyobu Geka Gakkai Zasshi** 1983 May;31(5):569–818 **(Jpn)**

[Problems on chest wall resection in children] Masaoka A, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):163–70 (Eng. Abstr.) **(Jpn)**

[Blood transfusion in thoracic and cardiovascular surgery] Sumida S. **Rinsho Kyobu Geka** 1984 Mar;4(2):225–32 (Eng. Abstr.) **(Jpn)**

[Characteristics of anesthesia in pediatric thoracic surgery] Mikhel'son VA. **Grudn Khir** 1983 Sep–Oct;(5):17–20 (Eng. Abstr.) **(Rus)**

[Diagnostic thoracotomy as the final stage of morphological verification of peripheral lung cancer] Trakhtenberg AKh, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):21–6 (Eng. Abstr.) **(Rus)**

[The process of esophagectomy without thoracotomy] Curto Cardus J, et al. **Rev Esp Enferm Apar Dig** 1984 Jan; 65(1):10–4 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pain amelioration after thoracotomy: a prospective, randomized study. de la Rocha AG, et al. **Ann Thorac Surg** 1984 Mar;37(3):239–42

For want of an X-ray...! Shevland JE. **Australas Radiol** 1984 Feb;28(1):56–7

Chylothorax—a complication of chest tube placement in a neonate. Kumar SP, et al. **Crit Care Med** 1984 Apr; 12(4):411–2

Thoracostomy in the ICU nursery [letter] Phillips LG Jr. **J Natl Med Assoc** 1984 Apr;76(4):328

Complications of thoracic surgery. Avoidance and recognition. Kakos GS. **Surg Clin North Am** 1983 Dec; 63(6):1259–68 (22 ref.)

[Evaluation of surgical infection in vascular and thoracic surgery. Prospective study of 2304 cases with special reference to type of operation and different types of infections] Andreassian B, et al. **Chirurgie** 1983;109(7):580–7 (Eng. Abstr.) **(Fre)**

[Early and late reinterventions following intrathoracic surgery] Wassner UJ. **Zentralbl Chir** 1983;108(18):1160–2 **(Ger)**

[Use of cefoxitin in the antibiotic prophylaxis of patients subjected to thoraco-pulmonary surgical intervention. Clinical and bacteriological study] Riggi M, et al. **Minerva Chir** 1984 Feb 15;39(3):161–4 (Eng. Abstr.) **(Ita)**

[Intrapleural hemorrhage after operations on the bronchi, lungs, pleura and chest wall (classification, diagnosis and therapeutic tactics)] Mel'nik VM. **Grudn Khir** 1983 Sep–Oct;(5):30–4 (Eng. Abstr.) **(Rus)**

ECONOMICS

The quality of medical care. An ACCP concern [editorials] Soffer A. **Chest** 1984 Jul;86(1):1–2

HISTORY

The Society of Thoracic Surgeons: the first twenty years. Ellison RG. **Ann Thorac Surg** 1984 Jan;37(1):1–8

'Life is short and the art long, the occasion instant, the experiment perilous, the decision difficult'. Urschel HC Jr. **Ann Thorac Surg** 1984 Jul;38(1):1–14

INSTRUMENTATION

New thoracotomy instruments—rib bradawl and rib approximator. Tinckler LF. **J R Coll Surg Edinb** 1983 Nov; 28(6):405–6

[Removal of foreign bodies from the respiratory tract by means of bronchoscope] Ovchinnikov AA, et al. **Grudn Khir** 1983 Jul–Aug;(4):46–50 (Eng. Abstr.) **(Rus)**

METHODS

Osteoradionecrosis of the chest wall. Management of postresection defects using Marlex mesh and a rotated latissimus dorsi myocutaneous flap. Hines GL, et al. **Am Surg** 1983 Nov;49(11):608–11

Chest wall reconstruction. Experience with 100 consecutive patients. Arnold PG, et al. **Ann Surg** 1984 Jun;199(6):725–32

Sealing the postpneumonectomy space: use of a pectoralis major myodermal flap. de la Rocha AG, et al. **Ann Thorac Surg** 1984 Sep;38(3):221–6

Radical forequarter amputation with chest wall resection. Roth JA, et al. **Ann Thorac Surg** 1984 May;37(5):423–7

Surgical management of emphysema. Gaensler EA, et al. **Clin Chest Med** 1983 Sep;4(3):443–63 (83 ref.)

Open window thoracostomy in the management of postpneumonectomy empyema with or without bronchopleural fistula. Shamji FM, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):818–22

The serratus anterior muscle: intrathoracic and extrathoracic utilization. Arnold PG, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):240–8

Reconstruction of large anterior full-thickness defect in the chest wall after resection of chondrosarcoma. Larsson S, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):63–7

The first extrapleural thoracoplasty for tuberculosis in the Americas [letter] Sommer GN Jr. **Surgery** 1984 Apr; 95(4):506

[Repair of a chest wall defect secondary to resection of malignant osseous lesions] Sun JX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):229–30 **(Chi)**

[Chest wall prosthesis by in situ silastic molding] Couraud L, et al. **Ann Chir** 1984 Mar;38(2):171–3 (Eng. Abstr.) **(Fre)**

[Value of the latissimus dorsi musculocutaneous flap in the covering of enlarged thoracic parietectomies] Martigne C, et al. **Ann Chir** 1984 Mar;38(2):167–70 (Eng. Abstr.) **(Fre)**

[Poland's syndrome. Report of three cases] Taniki T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):71–5 (Eng. Abstr.) **(Jpn)**

STANDARDS

General thoracic surgery in cardiothoracic surgery. The search for balance. Liaison committee for thoracic surgery [editorial] **J Thorac Cardiovasc Surg** 1984 Sep;88(3):321–3

TRENDS

Presidential Address. From whence and whither to. Jamplis RW. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):1–6

A laboratory for progress. McGoon DC. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):157–63

[Current achievements in pediatric thoracic surgery] Isakov IuF. **Grudn Khir** 1983 Sep–Oct;(5):5–9 **(Rus)**

THORACIC VERTEBRAE

A dumbbell (hourglass) neurofibroma of the spine in a patient with von Recklinghausen's disease. A case report with twelve-year follow-up. Castelein RM, et al. **Arch Orthop Trauma Surg** 1984;102(4):216–20

Pyogenic vertebral osteomyelitis: diagnosis and management. Kern RZ, et al. **Can Med Assoc J** 1984 Apr 15; 130(8):1025–8

Leiomyomatosis metastasizing to the spine. A case report. Gatti JM, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1163–5

The causative mechanisms of mitral valve prolapse in progressive muscular dystrophy in reference to thorax and thoracic spine deformities and left ventricular dysfunction. Yazawa Y, et al. **Jpn Circ J** 1984 Apr;48(4):321–7

Intrathoracic chordoma presenting as a posterior superior mediastinal tumor. Cotler HB, et al. **Spine** 1983 Oct; 8(7):781–6

Anterior spinal cord decompression for lesions of the thoracic and lumbar spine, techniques, new methods of internal fixation results. Kostuik JP. **Spine** 1983 Jul–Aug; 8(5):512–31

[Dysontogenetic blockbuilding of the vertebrae at the lumbo dorsal junction] Tändler P, et al. **Z Orthop** 1984 May–Jun; 122(3):272–3 (Eng. Abstr.) **(Ger)**

[Paravertebral synovial sarcoma] Gualtieri I, et al. **Chir Organi Mov** 1982–83;68(3):383–6 (Eng. Abstr.) **(Ita)**

[Cardiac lesions in generalized hematogenic tuberculosis] Anichkov NM, et al. **Arkh Patol** 1984;46(5):74–6 (Eng. Abstr.) **(Rus)**

[Orthopedic treatment in metastasis of malignant tumors to the bodies of lower thoracic and lumbar vertebrae] Iumashev GS, et al. **Sov Med** 1984;(3):100–2 **(Rus)**

[Functional muscle changes in patients with cervicothoracic osteochondrosis] Diurianova I, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):368–74 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Posterior mediastinal mass. Gupta AK, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):141–2

CT diagnosis of thoracic pedicle aplasia. Manaster BJ, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1090–1

Spondylocostal dysostosis. Young ID, et al. **J Med Genet** 1984 Feb;21(1):68–9

Congenital kyphosis and subluxation of the thoraco-lumbar spine due to vertebral aplasia. Lorenzo RL, et al. **Skeletal Radiol** 1983;10(4):255–7

[Anatomo-functional characteristics of idiopathic scoliosis with a benign course] Dudin MG, et al. **Ortop Travmatol Protez** 1983 Dec;(12):40–3 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Sexual dimorphism in human vertebral body shape. Taylor JR, et al. **J Anat** 1984 Mar;138 (Pt 2):281–6

GROWTH & DEVELOPMENT

Scoliosis and growth. Patterns of asymmetry in normal vertebral growth. Taylor JR. **Acta Orthop Scand** 1983 Aug; 54(4):596–602

INJURIES

The importance of isotope investigations in skeletal fractures. Magyari Z, et al. **Acta Chir Hung** 1984;25(3):179–84

Harrington instrumentation for thoracic and lumbar vertebral fractures. Svensson O, et al. **Acta Orthop Scand** 1984 Feb; 55(1):38–47

Bilateral locked facets in the thoracic spine. Willems MH, et al. **Acta Orthop Scand** 1984 Jun;55(3):300–3

The management of unstable fractures and dislocations of the thoracic and lumbar spine. Dunham WK, et al. **Ala J Med Sci** 1984 Apr;21(2):194–204

Roentgenographic skeletal injury patterns in parachute jumping. Petras AF, et al. **Am J Sports Med** 1983 Sep–Oct;

11(5):325–8
Current trends in stabilizing high thoracic and thoracolumbar spinal fractures. Ahn JH, et al. **Arch Phys Med Rehabil** 1984 Jul;65(7):366–9
Rehabilitation of patients with thoracic spine injury treated by spring alloplasty. Kiwerski J. **Int J Rehabil Res** 1983 Dec;6(4):469–74
Three-dimensional response of a lumped parameter head–neck model due to impact and impulsive loading. Merrill T, et al. **J Biomech** 1984;17(2):81–95
Post-traumatic spinal-cord cyst. A case report. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):614–8
Computed tomography of spine trauma. Shetty AK, et al. **J Comput Tomogr** 1984 Apr;8(2):105–12
Harrington rod. Instrumentation and fusion of unstable spinal fractures. Fleming FW. **J Kans Med Soc** 1983 Nov; 84(11):561–2
Thoracic radiculopathy related to collapsed thoracic vertebral bodies. Liveson JA.
J Neurol Neurosurg Psychiatry 1984 Apr;47(4):404–6
Surgical stabilization of thoracic and lumbar spine fractures: a retrospective study in a military population. Kornberg M, et al. **J Trauma** 1984 Feb;24(2):140–6
Hay balers' fractures. Mayba II. **J Trauma** 1984 Mar; 24(3):271–3
Injuries associated with fractures of the transverse processes of the thoracic and lumbar vertebrae. Sturm JT, et al. **J Trauma** 1984 Jul;24(7):597–9
Computed tomography of thoracic and lumbar spine injuries. Trafton PG, et al. **J Trauma** 1984 Jun;24(6):506–15
Computed tomography of thoracic and lumbar spine fractures that have been treated with Harrington instrumentation. Golimbu C, et al. **Radiology** 1984 Jun; 151(3):731–3
Avulsion of the spinous processes caused by infant abuse. Kleinman PK, et al. **Radiology** 1984 May;151(2):389–91
Paraplegia in unstable thoracolumbar injuries. A study of conservative and operative treatment regarding neurological improvement and rehabilitation. Willén J, et al. **Scand J Rehabil Med [Suppl]** 1983;9:195–205
Case report 242. Hemangioma of the T6 vertebra with a compression fracture, extradural block and spinal cord compression. Greenspan A, et al. **Skeletal Radiol** 1983; 10(3):183–8
Segmental spinal instrumentation in the management of fractures of the thoracic and lumbar spine. Bernard TN Jr, et al. **South Med J** 1983 Oct;76(10):1232–6
Thoracic duct injury from blunt trauma. Pai GP, et al. **South Med J** 1984 May;77(5):667–8
Double lumen sign as demonstrated by computerized tomography in spine dislocation. Boynton LW, et al. **Spine** 1983 Nov–Dec;8(8):910–2
Management of thoracic and lumbar spine fractures with Harrington distraction rods supplemented with segmental wiring. Bryant CE, et al. **Spine** 1983 Jul–Aug;8(5):532–7
The three column spine and its significance in the classification of acute thoracolumbar spinal injuries. Denis F. **Spine** 1983 Nov–Dec;8(8):817–31
The crush-cleavage fracture. A 'new' thoracolumbar unstable fracture. Lindahl S, et al. **Spine** 1983 Sep; 8(6):559–69
[Results of the surgical treatment of dorsolumbar injuries with neurologic lesions. Apropos of 165 cases] Lesoin F, et al. **Ann Chir** 1984 Apr;38(3):229–33 (Eng. Abstr.) **(Fre)**
[Complete fracture-dislocation of thoracic vertebrae 8 and 9 without neurological complications. Description of the injury. Therapeutic deductions] Vichard P, et al. **Rev Chir Orthop** 1983;69(8):645–8 (Eng. Abstr.) **(Fre)**
[Hemothorax and fractures of the dorsal spine] Freysz M, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2229–31 (Eng. Abstr.) **(Fre)**
[Conservative treatment of a severe dislocation fracture between the 5th and 6th thoracic vertebrae. Case report] Pachucki A. **Unfallheilkunde** 1984 Feb;87(2):84–7 (Eng. Abstr.) **(Ger)**
[Indications and results of functional treatment of vertebral fractures] Plaue R, et al.
Z Unfallchir Versicherungsmed Berufskr 1984;77(1):13–9 **(Ger)**
[Radiographic course of amyelic somatic vertebral fractures of the dorso-lumbar spine] Traina GC, et al.
Chir Organi Mov 1982–83;68(3):303–16 (Eng. Abstr.) **(Ita)**
[Computerized tomography in the diagnosis of spinal injuries] Gusta A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):105–8 (Eng. Abstr.) **(Pol)**
[Causes of spinal cord compression and the substantiation of various methods of decompression in unstable complicated injuries of the thoracolumbar spine (experimental study)] Fadeev GI, et al.
Ortop Travmatol Protez 1983 Dec;(12):6–10 (Eng. Abstr.) **(Rus)**
[Decompressive and stabilizing surgery in unstable injuries of the thoracolumbar region of the spine (review of the literature)] Fadeev GI. **Ortop Travmatol Protez** 1984 Mar; (3):68–72 (65 ref.) **(Rus)**
[Comparative evaluation of methods of experimental spinal fusion] Khodov AM, et al. **Ortop Travmatol Protez** 1983 Dec;(12):18–21 (Eng. Abstr.) **(Rus)**
[Age-related characteristics of the thoracic and lumbar vertebrae in roentgenodiagnosis of compression fractures] Rumiantseva AA, et al. **Ortop Travmatol Protez** 1983 Sep; (7):7–12 (Eng. Abstr.) **(Rus)**
[Fractures of the vertebral arches in closed spinal injuries] Shenderova EA. **Ortop Travmatol Protez** 1983 Dec; (12):14–8 (Eng. Abstr.) **(Rus)**
[Effect of various factors on the degree and frequency of compression fractures of the thoracic vertebrae in children] Stepanov PF, et al. **Ortop Travmatol Protez** 1983 Sep; (7):13–5 (Eng. Abstr.) **(Rus)**
[Biomechanical basis for a combined method of repositioning fractures and fracture-dislocations of the lower thoracic and lumbar vertebrae] Elizarov VG, et al. **Vestn Khir** 1984 Feb;132(2):57–61 (Eng. Abstr.) **(Rus)**

INNERVATION

Innervation of the canine thoracolumbar vertebral column. Forsythe WB, et al. **Anat Rec** 1984 Jan;208(1):57–63

PATHOLOGY

Vertebral rim lesions in the dorsolumbar spine. Hilton RC, et al. **Ann Rheum Dis** 1984 Apr;43(2):302–7
Relationship between rib hump deformity and vertebral rotation in idiopathic scoliosis. Agostini S, et al.
Ital J Orthop Traumatol 1983 Sep;9(3):387–95

PHYSIOLOGY

The measurement of back movement . Wright V.
Br J Rheumatol 1983 Nov;22(4):193–6

PHYSIOPATHOLOGY

The effect of Harrington instrumentation on the sagittal configuration and mobility of the spine in scoliosis. Aaro S, et al. **Spine** 1983 Sep;8(6):570–5
Three-dimensional analysis of right thoracic idiopathic scoliosis. De Smet AA, et al. **Spine** 1984 May–Jun; 9(4):377–81

RADIOGRAPHY

Degree of vertebral wedging of the dorso-lumbar spine. Lauridsen KN, et al. **Acta Radiol [Diagn] (Stockh)** 1984; 25(1):29–32
The thoracic paraspinal shadow: a review of the appearances in pathological conditions. Lien HH, et al. **Clin Radiol** 1984 May;35(3):215–21
Ossification of the thoracic posterior longitudinal ligament. van der Kolk G, et al. **Eur J Radiol** 1984 Aug;4(3):221–4
Multiple osteoid osteoma in the 7th dorsal vertebra. Calderoni P, et al. **Ital J Orthop Traumatol** 1984 Jun; 10(2):257–60
Atypical spinal tuberculosis. Babhulkar SS, et al.
J Bone Joint Surg [Br] 1984 Mar;66(2):239–42
A rare cause of spinal cord compression in childhood from intraspinal mesenchymal chondrosarcoma. A report of two cases and review of the literature. Chan HS, et al.
Neuroradiology 1984;26(4):323–7
Ossification in the cephalic attachment of the ligamentum flavum. An anatomical and CT study. Williams DM, et al. **Radiology** 1984 Feb;150(2):423–6
Radiologic manifestations in alcaptonuria. Justesen P, et al. **Skeletal Radiol** 1984;11(3):204–8
Spinal Ewing sarcoma: misleading appearances. Weinstein JB, et al. **Skeletal Radiol** 1984;11(4):262–5
Vertebral sarcoidosis: demonstration of bone involvement by computerized axial tomography. Dinerstein SL, et al.
South Med J 1984 Aug;77(8):1060–1
[Non-ossifying fibroma with vertebral localization (letter)] Péré P, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):58 **(Fre)**

RADIONUCLIDE IMAGING

Retention of inhaled radioxenon in thoracic vertebrae during Hb S–thalassemia crisis. Shapiro H, et al.
Clin Nucl Med 1984 May;9(5):296–7
Radionuclide bone marrow scanning and computerized tomography in the diagnosis of extramedullary hematopoiesis presenting as an intrathoracic paravertebral mass. Wosick WF, et al. **Clin Nucl Med** 1984 Jul;9(7):419

SURGERY

Thoracic disc disease. Clinical manifestations and surgical treatment. O'Leary PF, et al.
Bull Hosp Jt Dis Orthop Inst 1984 Spring;44(1):27–40
An anterior surgical approach to the upper thoracic vertebrae. Sundaresan N, et al. **J Neurosurg** 1984 Oct; 61(4):686–90
Primary spinal chondrosarcoma with eighteen-year follow-up: case report and literature review. Hirsh LF, et al. **Neurosurgery** 1984 Jun;14(6):747–9
Transthoracic anterolateral decompression for thoracic spinal lesions. Lobosky JM, et al. **Neurosurgery** 1984 Jan; 14(1):26–30
Vertebral hemangioma with compression fracture and paraparesis treated with preoperative embolization and vertebral resection. Graham JJ, et al. **Spine** 1984 Jan–Feb; 9(1):97–101
[Excision of vertebral tumors] Song XW, et al.
Bull Acad Natl Med (Paris) 1983 Jun;167(6):613–7 **(Fre)**
[Aneurysmal bone cyst of the thoracic and lumbar spine. Report of 4 personal cases and description of an improved radical operation technic] Griss P. **Z Orthop** 1983 Nov–Dec;121(6):675–82 (Eng. Abstr.) **(Ger)**
[Indications and technics in surgery of thoracic vertebrae using the anterior approach] Morscher E. **Z Orthop** 1984 Jul–Aug;122(4):512–5 **(Ger)**

THORACOPLASTY

[Indication of thoracoplasty after pneumonectomy for pulmonary tuberculosis] Ding JA.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1983 Oct;6(5):271–3 (Eng. Abstr.) **(Chi)**
[Reconstruction of the chest wall after wide thoracectomy for neoplasma. Description of a personal technic] di Fabio D, et al. **Minerva Chir** 1984 Feb 28;39(4):213–6 (Eng. Abstr.) **(Ita)**
[A case of subcapsular tumor following thoracoplasty] Yamane Y, et al. **Kyobu Geka** 1984 Mar;37(3):231–4 **(Jpn)**
[Bone and bone marrow function of the reconstructed chest wall after surgical correction of pectus excavatum] Watanabe Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):349–55 (Eng. Abstr.) **(Jpn)**
[A case of skin implantation in the residual pleural cavity after repeated thoracoplasty] Yokoyama K, et al.
Nippon Kyobu Geka Gakkai Zasshi 1984 Jan;32(1):88–91 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Large cell anaplastic carcinoma after thoracoplasty for tuberculosis. Rabinovitz M, et al. **Respiration** 1983; 44(6):466–9

METHODS

Anatomical bases of transaxillary resection of the first rib. Nguyen H, et al. **Anat Clin** 1984;5(4):221–33
[Experimental study on reconstruction of full thickness chest wall defect] Niwa H, et al. **Kyobu Geka** 1984 Apr; 37(4):278–82 (Eng. Abstr.) **(Jpn)**
[Operative stabilization of traumatic flail chest successfully achieved with orthopedic metal plates—a case report] Ikeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2196–201 (Eng. Abstr.) **(Jpn)**
[Osteoplastic thoracoplasty in the combined treatment of patients with destructive pulmonary tuberculosis] Borovinskiĭ AI, et al. **Probl Tuberk** 1984 Jun;(6):34–8 (Eng. Abstr.) **(Rus)**

THORACOSCOPY

Therapeutic thoracoscopy. Oakes DD, et al.
J Thorac Cardiovasc Surg 1984 Feb;87(2):269–73
[Pulmonary biopsy using thoracoscopy] Guy P, et al.
Poumon Coeur 1983;39(4):179–81 (Eng. Abstr.) **(Fre)**
[Removal of postoperative intrathoracic hematoma using thoracoscope] Saoyama N, et al. **Kyobu Geka** 1984 Mar; 37(3):207–10 (Eng. Abstr.) **(Jpn)**
[Comparative efficacy of diagnostic thoracoscopy with biopsy in exudative pleurisy of uncertain etiology] Ioffe LTs, et al. **Probl Tuberk** 1984 May;(5):22–6 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Emergency thoracoscopy in closed injuries of the chest cavity] Avilova OM, et al. **Grudn Khir** 1984 Mar–Apr; (2):52–6 (Eng. Abstr.) **(Rus)**

METHODS

Thoracoscopic lung biopsy using tissue adhesive material and/or deep ligator [letter] Hitomi S, et al. **Chest** 1984 Jul; 86(1):155
[Therapeutic principles in the treatment of spontaneous pneumothorax with special reference to the removal of thoracoscopic emphysema bullae and fibrin gluing] Kaiser D, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:979–82 (Eng. Abstr.) **(Ger)**
[Thoracoscopic pleurodesis in spontaneous pneumothorax] Spiegel M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:976–8 (Eng. Abstr.) **(Ger)**

THORAX

Epidemiology of chest pain and angina pectoris, with special reference to treatment needs. **Acta Med Scand [Suppl]** 1984; 682:1–120
Presentation of acute myocardial infarction in the elderly—a review. MacDonald JB. **Age Ageing** 1984 Jul;13(4):196–200
Pediatric case of the day. Hoffman AD. **AJR** 1984 May; 142(5):1069–74
Significance of chest pain during percutaneous transluminal coronary angioplasty. Aueron F, et al. **Am Heart J** 1984 Mar;107(3):578–80
Unimproved chest pain in patients with minimal or no coronary disease: a behavioral phenomenon. Wielgosz AT, et al. **Am Heart J** 1984 Jul;108(1):67–72
Incremental value of clinical assessment, supine exercise electrocardiography, and biplane exercise radionuclide ventriculography in the prediction of coronary artery disease in men with chest pain. Currie PJ, et al.
Am J Cardiol 1983 Nov 1;52(8):927–35
Ventricular arrhythmias during coronary angiography in

patients with angina pectoris or chest pain syndromes. Nishimura RA, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1496–9

Göteborg Metoprolol Trial: effects on chest pain. Richterova A, et al. **Am J Cardiol** 1984 Jun 25;53(13):32D–36D

Transthoracic fine-needle aspiration cytology. Analysis of 82 patients with detailed verification criteria and evaluation of false-negative cases. Caya JG, et al. **Am J Clin Pathol** 1984 Jul;82(1):100–3

High frequency chest wall compression [letter] Beck GJ. **Am Rev Respir Dis** 1984 Mar;129(3):511

Precordial chest pain during spinal or epidural anesthesia [letter] Ravindran RS, et al. **Anesth Analg** 1983 Dec; 62(12):1134

Cardiopulmonary resuscitation by intrathoracic pressure variations—in vivo studies and computer simulation. Beyar R, et al. **Angiology** 1984 Feb;35(2):71–8

Mitral valve prolapse and spasm of normal coronary arteries: report of four cases and review of the literature. Rippe JM, et al. **Angiology** 1984 May;35(5):300–7

Spontaneous pneumomediastinum as a cause of neck pain, dysphagia, and chest pain. Rose WD, et al. **Arch Intern Med** 1984 Feb;144(2):392–3

Non ischaemic chest pain. Bett JH, et al. **Aust Fam Physician** 1984 May;13(5):336, 338–40

Investigation of Frank's vectorcardiographic lead system on homogeneous rabbit torso model. Lolov VR, et al. **Basic Res Cardiol** 1983 Nov–Dec;78(6):617–22

Postcoronary pain and the postmyocardial infarction syndrome. Williams RK, et al. **Br Heart J** 1984 Mar; 51(3):327–9

Diagnostic value of R wave changes after exercise testing. Harries AD. **Br J Clin Pract** 1983 Oct;37(10):348–51

Chest pain in rubber chemical workers exposed to carbon disulphide and methaemoglobin formers. Oliver LC, et al. **Br J Ind Med** 1984 Aug;41(3):296–304

Sternoclavicular joint infection as a cause of chest pain. Seviour PW, et al. **Br Med J [Clin Res]** 1984 Jan 14; 288(6411):133–4

Chest pain as a presentation of reactive hypoglycemia. Bansal S, et al. **Chest** 1983 Nov;84(5):641–2

Symposium on chest radiology. **Clin Chest Med** 1984 Jun; 5(2):211–381

Chest pain in pediatric patients presenting to a cardiac clinic. Fyfe DA, et al. **Clin Pediatr (Phila)** 1984 Jun;23(6):321–4

Propranolol disposition after acute myocardial infarction. Paxton JW, et al. **Clin Pharmacol Ther** 1984 Sep; 36(3):337–42

One for the gripper? [editorial] Pope CE 2d. **Dig Dis Sci** 1984 Jul;29(7):657–8

Effects of oral calcium blocker, diltiazem, on esophageal contractions. Studies in volunteers and patients with nutcracker esophagus. Richter JE, et al. **Dig Dis Sci** 1984 Jul;29(7):649–56

Nuclear magnetic resonance imaging clinical experience in San Francisco. Margulis AR, et al. **Eur J Radiol** 1983 Aug; 3(3):236–8

Oesophageal chest pain: a point of view. Blackwell JN, et al. **Gut** 1984 Jan;25(1):1–6

A teenage boy with constant dull chest pain. Graf R. **Hosp Pract** 1983 Dec;18(12):136, 140

Algorithm for managing patients with chest pain. Meeroff JC. **Hosp Pract** 1983 Oct;18(10):133–4

Roast beef, onions, and substernal chest pain. Strum WB. **Hosp Pract [Off]** 1984 May;19(5):53–4

Chest wall mass with right upper lung field opacity. Less MA, et al. **IMJ** 1983 Sep;164(3):195

Chest pain in childhood and adolescence [letter] Asnes RS. **J Adolesc Health Care** 1984 Jan;5(1):61–2

Diagnostic methods in the assessment of the patient with chest pain [editorial] Willerson JT. **J Am Coll Cardiol** 1984 Aug;4(2):290–1

Model for teaching insertion of chest tubes. Sinclair C. **J Fam Pract** 1984 Feb;18(2):305–8

Electrical impedance imaging of the thorax. Kim Y, et al. **J Microwave Power** 1983 Sep;18(3):245–57

High-amplitude peristaltic esophageal contractions associated with chest pain. Traube M, et al. **JAMA** 1983 Nov 18;250(19):2655–9

Acute chest syndrome in sickle-cell disease. Davies SC, et al. **Lancet** 1984 Jan 7;1(8367):36–8

Specificity of cardiac enzymes in diagnosis of chest pain in marathon runners [letter] Sylvén JC, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1505

Chest pain of esophageal origin. Nasrallah SM. **Md State Med J** 1983 Oct;32(10):767–9

Myogenic chest pain [letter] **Med J Aust** 1984 Jan 21; 140(2):116

The use of lignocaine and hydrocortisone in the diagnosis and management of chest wall pain masquerading as ischaemic cardiac pain [letter] Peak HJ. **Med J Aust** 1983 Sep 17;2(6):260–1

Postpulmonary infarction syndrome: case report. Sklaroff HJ. **Mt Sinai J Med (NY)** 1983 Jul–Aug;50(4):343–7

A chronic emergency room visitor with chest pain: successful treatment by stress management training and biofeedback. Schwartz DP, et al. **Pain** 1984 Mar;18(3):315–9

Adolescent chest pain [letter] **Pediatrics** 1983 Dec; 72(6):914–5

Chest pain—indigestion or impending heart attack? Simpson FG, et al. **Postgrad Med J** 1984 May;60(703):338–40

What does 'just muscular' chest pain signify? Golding DN. **Practitioner** 1984 May;228(1391):514–7

Chest pain with normal coronary arteries: a comparative study of psychiatric and social morbidity. Bass C, et al. **Psychol Med** 1984 Feb;14(1):51–61

Myocardial infarction patients during the prodromal and acute phase: a comparison with patients with a diagnosis of 'noncardiac chest pain'. Beunderman R, et al. **Psychother Psychosom** 1983;40(1–4):129–36

The potential role of NMR imaging in thoracic disease. Kundel HL, et al. **Radiol Clin North Am** 1983 Dec; 21(4):801–8

Respiratory gating in magnetic resonance imaging at 0.5 Tesla. Runge VM, et al. **Radiology** 1984 May;151(2):521–3

Nitradisc in unstable angina pectoris and continuing chest pain after acute myocardial infarct [letter] Przybojewski JZ. **S Afr Med J** 1984 Feb 11;65(6):192–3

Epidural fentanyl in the management of severe pain [letter] Shipton EA. **S Afr Med J** 1984 Feb 11;65(6):193

Removal of chest tube using stomadhesive. Lo LF, et al. **Surg Gynecol Obstet** 1984 May;158(5):496–7

Low chest compression for removal of pulmonary secretions [letter] Goldsmith HS, et al. **Surgery** 1983 Nov;94(5):847–8

Plasma fibrinopeptide A and beta-thromboglobulin in patients with chest pain. Douglas JT, et al. **Thromb Haemost** 1983 Aug 30;50(2):541–2

[Accidental pneumothorax following injections and acupuncture in the thoracic region] Kropp R, et al. **Med Welt** 1983 Oct 14;34(41):1143–4 **(Ger)**

[Differential diagnosis at the bedside. Retrosternal thoracic pain: spontaneous mediastinal emphysema?] Sulavik SB, et al. **MMW** 1983 Sep 30;125(39):108–9 **(Ger)**

[Foreign bodies in the thorax—a differential diagnostic problem] Simon A, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:790–2 (Eng. Abstr.) **(Ger)**

[Intrathoracic meningocele in Recklinghausen's neurofibromatosis] Sepehr MH, et al. **ROFO** 1984 Jan; 140(1):102–4 **(Ger)**

[Pain in the chest] Weser C. **Z Arztl Fortbild (Jena)** 1983; 77(13):568–72 **(Ger)**

[Evolution of myocardial infarction elucidated by serial CPK technic, connected with chest pain duration and coronary arterial stenosis] Hiramori K, et al. **Kokyu To Junkan** 1983 Dec;31(12):1323–31 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of the exercise test with ECG mapping. Preliminary results] Bednarz B, et al. **Kardiol Pol** 1983; 26(7):553–8 (Eng. Abstr.) **(Pol)**

[The chest pain syndrome; differentiation from coronary insufficiency] Wrabec K, et al. **Pol Tyg Lek** 1983 Sep 26; 38(39):1197–201 (Eng. Abstr.) **(Pol)**

[Chest pain] Kokot F. **Przegl Lek** 1984;41(3):293–301 **(Pol)**

[Age characteristics of the projections of the heart and its foramina on the anterior thoracic wall in newborn infants and children younger than 7 years of age] Kasym-Khodzhaev I. **Arkh Anat Gistol Embriol** 1983 Oct; 85(10):34–9 (Eng. Abstr.) **(Rus)**

[Computer analysis of the ECG during physical exercise] Kavtaradze VG, et al. **Kardiologiia** 1984 Mar;24(3):70–5 (Eng. Abstr.) **(Rus)**

[Pathogenesis of atypical pains in the cardiac region in ischemic heart disease] Vinogradov VF, et al. **Klin Med (Mosk)** 1983 Nov;61(11):43–8 (Eng. Abstr.) **(Rus)**

[Formalized questionnaire for diagnosis of exertion-induced angina pectoris] Khalfen ESh, et al. **Ter Arkh** 1984; 56(1):24–8 (Eng. Abstr.) **(Rus)**

[Use of cardiological questionnaires in women with cardialgia] Pakhomova EV, et al. **Ter Arkh** 1984;56(1):85–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Prenatal diagnosis of asphyxiating thoracic dysplasia. Lipson M, et al. **Am J Med Genet** 1984 Jun;18(2):273–7

Lung structure in asphyxiating thoracic dystrophy. Williams AJ, et al. **Arch Pathol Lab Med** 1984 Aug;108(8):658–61

CT demonstration of congenital pulmonary venolobar syndrome. Ang JG, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):753–7

Enteric thoracoabdominal duplications in children. Pokorny WJ, et al. **J Thorac Cardiovasc Surg** 1984 Jun;87(6):821–4

Antenatal diagnosis of a fetus with an extremely narrow thorax and short limb dwarfism. Zimmer EZ, et al. **JCU** 1984 Feb;12(2):112–4

[Doppler echocardiography in the genesis of precordial murmurs in patients with morphological changes of the thorax of the pectus excavatum type] Scotto di Quacquaro G, et al. **Minerva Med** 1983 Dec 15;74(47–48):2883–6 (Eng. Abstr.) **(Ita)**

[Poland's syndrome. Report of three cases] Taniki T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):71–5 (Eng. Abstr.) **(Jpn)**

[Developmental anomalies of the chest] Kondrashin NI. **Ortop Travmatol Protez** 1984 Apr;(4):62–7 **(Rus)**

[Treatment tactics in congenital pectus carinatum in children] Bairov GA, et al. **Pediatriia** 1983 Aug;(8):67–71 **(Rus)**

[X-ray characteristics of keeled chest] Fokin AA. **Vestn Rentgenol Radiol** 1984 May-Jun;(3):22–7 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Comparison of mediastinal width, mediastinal-thoracic and -cardiac ratios, and 'mediastinal widening' in detection of traumatic aortic rupture. Burney RE, et al. **Ann Emerg Med** 1983 Nov;12(11):668–71

Clinical NMR imaging of the chest and mediastinum. Webb WR, et al. **Diagn Imag Clin Med** 1984;53(1):22–8

Focusing of 915 MHz electromagnetic power on deep human tissues: a mathematical model study. Arcangeli G, et al. **IEEE Trans Biomed Eng** 1984 Jan;31(1):47–52

Generation of surface model of human trunk and its applications. Nagashima S, et al. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):27–38

The effect of motion on two-dimensional Fourier transformation magnetic resonance images. Schultz CL, et al. **Radiology** 1984 Jul;152(1):117–21

An optical method of studying the shape and movement of the chest wall in recumbent patients. Morgan MD, et al. **Thorax** 1984 Feb;39(2):101–6

Optical mapping of the thoracoabdominal wall. Peacock AJ, et al. **Thorax** 1984 Feb;39(2):93–100

Heart size and chest shape in homozygous sickle cell disease. Morais PV, et al. **West Indian Med J** 1983 Sep;32(3):157–60

[Anterior joints of the thoracic cage] Taddei A, et al. **Arch Anat Histol Embryol (Strasb)** 1983;66:3–53 (Eng. Abstr.) **(Fre)**

[Fetal growth and repeated measurement of the thoracic circumference. 1. Are measurements of the thoracic circumference made in the beginning of the third trimester of pregnancy useful?] Chef R. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(5):495–500 (Eng. Abstr.) **(Fre)**

[Chest circumference of East German children in mathematical analysis] Sager G. **Anat Anz** 1984; 156(1):65–74 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Intercostal artery to pulmonary artery fistula. Izumi S, et al. **Am J Cardiol** 1984 Sep 1;54(6):688–9

Clavicular excision in management of vascular trauma. Old WL Jr, et al. **Am Surg** 1984 May;50(5):286–9

The vascular territory of the acromiothoracic axis. Reid CD, et al. **Br J Plast Surg** 1984 Apr;37(2):194–212

[Contribution to the recognition of Mondor's phlebitis] Bartolo M, et al. **J Mal Vasc** 1983;8(3):253–6 (Eng. Abstr.) **(Fre)**

[Etiology, clinical aspects and treatment of Mondor's disease in sportsmen] Greida BP, et al. **Sov Med** 1983;(8):101–3 **(Rus)**

EMBRYOLOGY

The effects of myometrial activity on fetal thoracic dimensions and uterine blood flow during late gestation in the sheep. Harding R, et al. **Biol Neonate** 1984; 45(5):244–51

GROWTH & DEVELOPMENT

Development of the head and pectoral skeleton of Amia with a note on the scales. Jollie M. **Gegenbaurs Morphol Jahrb** 1984;130(2):315–51

Changes in lung, airway, and chest wall function in boys and girls between 8 and 12 yr. Hibbert ME, et al. **J Appl Physiol** 1984 Aug;57(2):304–8

[Fetal growth and repeated measurements of chest circumference. 2. Rate of growth of chest circumference: monitoring criteria of good fetal health?] Chef R. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):597–601 (Eng. Abstr.) **(Fre)**

INNERVATION

[Use of ganglionic blockaders in the differential diagnosis of reflex cardialgia caused by diseases of the abdominal organs] Evtikhov RM, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):28–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Imipramine binding to alpha-1-acid glycoprotein in normal subjects and cardiac patients. Freilich DI, et al. **Clin Pharmacol Ther** 1984 May;35(5):670–4

PATHOLOGY

NMR imaging of the chest at 0.12 T: initial clinical experience with a resistive magnet. Axel L, et al. **AJR** 1983 Dec; 141(6):1157–62

Thorax deformity and asthma bronchial. Cserháti EF, et al. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):7–10

Chest wall reconstruction after radiation necrosis. Baroudi IF. **J Fla Med Assoc** 1984 Jan;71(1):23–5

The causative mechanisms of mitral valve prolapse in progressive muscular dystrophy in reference to thorax and thoracic spine deformities and left ventricular dysfunction. Yazawa Y, et al. **Jpn Circ J** 1984 Apr;48(4):321–7

Real-time nuclear magnetic resonance clinical imaging in paediatrics. Rzedzian R, et al. **Lancet** 1983 Dec 3; 2(8362):1281–2

Magnetic resonance imaging of the thorax in childhood. Work in progress. Brasch RC, et al. **Radiology** 1984 Feb; 150(2):463–7

[The causative mechanisms of mitral valve prolapse in progressive muscular dystrophy. Thorax and thoracic spine deformity and left ventricular dysfunction] Yazawa Y, et al. **Kokyu To Junkan** 1984 Mar;32(3):275–9 (Eng. Abstr.)

(Jpn)

PHYSIOLOGY

Chest wall movements [editorial] Drummond G. **Br J Anaesth** 1983 Oct;55(10):925–6

Effects of thoracic or abdominal strapping on exercise performance. Vanmeenen MT, et al. **Bull Eur Physiopathol Respir** 1984 Mar–Apr;20(2):127–32

Measurement of chest wall movement; design, performance and clinical use of a four-channel magnetometer instrument. Griffiths CJ, et al. **Clin Phys Physiol Meas** 1983 Nov;4(4):363–71

Effect of posture on thoracoabdominal movements during CO2 rebreathing. Chapman KR, et al. **J Appl Physiol** 1984 Jan;56(1):97–101

Effects of thoracic volume and shape on electromechanical coupling in abdominal muscles. Hill AR, et al. **J Appl Physiol** 1984 May;56(5):1294–301

Rib cage and abdominal contributions to ventilatory response to CO2 in infants. Honma Y, et al. **J Appl Physiol** 1984 May;56(5):1211–6

Effect of chest wall distortion on occlusion pressure and the preterm diaphragm. LeSouëf PN, et al. **J Appl Physiol** 1983 Aug;55(2):359–64

Influence of chest wall distortion on esophageal pressure. LeSouëf PN, et al. **J Appl Physiol** 1983 Aug;55(2):353–8

Laser method for recording displacement of the heart and chest wall. Aubert AE, et al. **J Biomed Eng** 1984 Apr; 6(2):134–40

Chest wall vibrations in singers. Sundberg J. **J Speech Hear Res** 1983 Sep;26(3):329–40

Effects of an increase in end-expiratory volume on the pattern of thoracoabdominal movement. Wolfson DA, et al. **Respir Physiol** 1983 Sep;53(3):273–83

[Mechanics of the thoracic wall and respiratory muscles] Konno K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):194–202 (Eng. Abstr.) (Jpn)

[Distribution of the current within the hemithorax based on clinical results measured with impedance pneumography] Okazaki N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Dec;21(12):1152–8 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Chest wall mechanics during exercise in patients with severe chronic air-flow obstruction. Dodd DS, et al. **Am Rev Respir Dis** 1984 Jan;129(1):33–8

Chest wall stiffness in patients with chronic respiratory muscle weakness. Estenne M, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1002–7

Chest wall configurational changes before and during acute obstructive episodes in asthma. Ringel ER, et al. **Am Rev Respir Dis** 1983 Oct;128(4):607–10

Chest wall motion in sleep apnea. Staats BA, et al. **Am Rev Respir Dis** 1984 Jul;130(1):59–63

Compliance of chest wall in obese subjects. Suratt PM, et al. **J Appl Physiol** 1984 Aug;57(2):403–7

Paradoxical movements of chest in a patient with unilateral pulmonary fibrosis [letter] Bichile SK, et al. **J Assoc Physicians India** 1983 Sep;31(9):611

Prephonatory chest wall posturing in stutterers. Baken RJ, et al. **J Speech Hear Res** 1983 Sep;26(3):444–50

Abnormalities of chest wall motion in patients with chronic airflow obstruction. Gilmartin JJ, et al. **Thorax** 1984 Apr; 39(4):264–71

RADIATION EFFECTS

Bone marrow transplantation in severe aplastic anemia using cyclophosphamide and thoracoabdominal irradiation. Gluckman E, et al. **Prog Clin Biol Res** 1984;148:325–33

The expression of early and late damage after thoracic irradiation: a comparison between CBA and C57B1 mice. Down JD, et al. **Radiat Res** 1983 Dec;96(3):603–10

Conditioning of tissues for metastasis formation by radiation and cytotoxic drugs. Milas L, et al. **Symp Fundam Cancer Res** 1983;36:321–36 (34 ref.)

RADIONUCLIDE IMAGING

[Evaluation of spirometric gated Xe-133 ventilation imaging by the multigate mode] Inoue T, et al. **Kaku Igaku** 1983 Apr;20(3):341–7 (Eng. Abstr.) (Jpn)

[Experimental evaluation of a tomographic system of the thorax by detection of the dispersion of technetium-99m radiation] Cuarón A, et al. **Arch Inst Cardiol Mex** 1983 Nov–Dec;53(6):485–8 (Eng. Abstr.) (Spa)

THORIUM

Ambient monitoring of airborne radioactivity near a former thorium processing plant. Jensen L, et al. **Health Phys** 1984 May;46(5):1021–33

Radioactivity released from burning gas lantern mantles. Luetzelschwab JW, et al. **Health Phys** 1984 Apr; 46(4):873–81

ADVERSE EFFECTS

Measurement of lymphoblastogenic activity from thorium workers. Serio CS, et al. **Int J Radiat Biol** 1983 Sep; 44(3):251–6

[Thorotrastosis, fossil pathology] Kains JP, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb;47(1):23–7 (Eng. Abstr.) (Fre)

ANALYSIS

Demonstration of iron and thorium in autopsy tissues by X-ray microanalysis. Landas S, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):231–3

Radioactivity associated with amang upgrading plants. Hu SJ, et al. **Health Phys** 1984 Feb;46(2):452–5

The radioactivity content of United Kingdom coal. Salmon L, et al. **Sci Total Environ** 1984 May 1;35(3):403–15

Uranium and thorium content in long-tailed ducks (Clangula hyemalis L.). Szefer P, et al. **Sci Total Environ** 1983 Aug; 29(3):277–80

ISOLATION & PURIFICATION

[Milking of 234Th from uranium by the combined use of adsorption on active charcoal and anion exchange] Inoue Y, et al. **Radioisotopes** 1984 May;33(5):291–4 (Eng. Abstr.) (Jpn)

METABOLISM

DTPA is superior to its lipophilic derivative Puchel in removing 234Th, 238,239Pu and 241Am from Chinese hamsters and rats. Volf V, et al. **Health Phys** 1984 Feb; 46(2):422–6

Efficacy of different DTPA treatment schedules for removal of 234Th from simulated wounds in rats. Peter-Witt E, et al. **Int J Radiat Biol** 1984 Jan;45(1):45–9

A comparison of the distributions of the actinides uranium and thorium with the lanthanide gadolinium in the tissues and eggs of Japanese quail: concentrations of uranium in feeds and foods. Robinson GA, et al. **Poult Sci** 1984 May; 63(5):883–91

228Th retention and dosimetry in beagles. Lloyd RD, et al. **Radiat Res** 1984 Jun;98(3):614–28

THORIUM DIOXIDE

ADMINISTRATION & DOSAGE

Rapid identification of correctly located intracerebroventricular cannula in the rat. Heyes MP, et al. **J Neurosci Methods** 1983 Aug;8(4):381–4

ADVERSE EFFECTS

Hepatoma after thorotrast. Morphological and autoradiographic data. Lageron A, et al. **Acta Histochem (Jena)** 1984;74(1):5–10

Long term effects of thorium dioxide (thorotrast) administration on human liver. Ultrastructural localization of thorium dioxide in human liver by analytical electron microscopy. Irie H, et al. **Acta Pathol Jpn** 1984 Mar; 34(2):221–8

CT recognition of thorotrast-induced intracranial and lumbar arachnoiditis. Kaplan AW, et al. **AJNR** 1984 May-Jun; 5(3):323–5

Thorium dioxide. DeLuca SA, et al. **Am Fam Physician** 1983 Oct;28(4):165–6

Thorium-dioxide—induced pharyngeal hemorrhage. Stanley RB Jr. **Am J Otolaryngol** 1983 Nov-Dec;4(6):437–41

Vocal cord paralysis. A latent effect of perivascular thorium dioxide. DeLuca SA, et al. **Arch Otolaryngol** 1984 May; 110(5):339–40

Cauda equina lesion due to thorotrast. Freilich D. **Aust NZ J Med** 1983 Jun;13(3):283–4

Czechoslovak priority - description of late thorotrast-induced symptoms [letter] Dienstbier Z. **Czech Med** 1983;6(3):192

Computed tomography in the evaluation of cervical thorotrast granuloma. Fishman EK, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):224–8

Thorotrast granuloma of the neck with local complications. Coorey KD. **Med J Aust** 1983 Nov 26;2(11):580–1

The legacy of Thorotrast [editorial] Robertson A. **Med J Aust** 1983 Nov 26;2(11):532

Do no harm: a prescription filled with difficulty! A thorium-induced neoplasm. Merlo RB, et al. **NC Med J** 1983 Sep;44(9):564

Thorotrast [letter] Powell BL, et al. **NC Med J** 1984 Feb; 45(2):137

Hepatomegaly and jaundice occurring thirty years after a subarachnoid hemorrhage. Traub DM, et al. **SD J Med** 1984 Feb;37(2):5–8

Veno-occlusive disease and peliosis of the liver after thorotrast administration. Dejgaard A, et al. **Virchows Arch [A]** 1984;403(1):87–94

[Thorotrastosis, fossil pathology] Kains JP, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb;47(1):23–7 (Eng. Abstr.) (Fre)

[Thorotrastosis—thorotrast tumors] Thomas C, et al. **Med Welt** 1984 Jan 20;35(3):69–70 (Ger)

[Hemangioendothelioma of the liver 38 years after administration of thorium dioxide] Mohr CP, et al. **Z Gastroenterol** 1984 Mar;22(3):153–7 (Eng. Abstr.) (Ger)

[Thorotrast granuloma causing vascular occlusion] Tubi E, et al. **Harefuah** 1983 Apr 15;104(8):336–8 (Heb)

[Proliferative lesions in thorotrast-deposited livers pertaining to the development of primary cancers] Tateno H, et al. **Gan No Rinsho** 1984 Jan;30(1):23–34 (Eng. Abstr.) (Jpn)

[Case of thorotrast deposition associated multiple myeloma] Morita S, et al. **Nippon Naika Gakkai Zasshi** 1983 Aug; 72(8):1068–73 (Jpn)

[Late complication of angiography - thorotrastoma causing pharyngeal phlegmon] Sapozhnikova MA, et al. **Arkh Patol** 1984;46(5):76–9 (Eng. Abstr.) (Rus)

THORIUM OXIDE see **THORIUM DIOXIDE**

THORNY-HEADED WORMS see **ACANTHOCEPHALA**

THREADWORMS see **ENTEROBIUS**

THREE DAY SICKNESS see **EPHEMERAL FEVER**

THREONINE

Fluorescence studies of threonine-promoted conformational transitions in aspartokinase I using the substrate analogue 2'(3')-O-(2,4,6-trinitrophenyl)adenosine 5'-triphosphate. Broglie KE, et al. **J Biol Chem** 1983 Nov 10; 258(21):12940–6

Effects of replacing serine and threonine residues within the signal peptide on the secretion of the major outer membrane lipoprotein of Escherichia coli. Vlasuk GP, et al. **J Biol Chem** 1984 May 25;259(10):6195–200

Intrahelical hydrogen bonding of serine, threonine and cysteine residues within alpha-helices and its relevance to membrane-bound proteins. Gray TM, et al. **J Mol Biol** 1984 May 5;175(1):75–81

ADMINISTRATION & DOSAGE

Oxidation of an indicator amino acid by young pigs receiving diets with varying levels of lysine or threonine, and an assessment of amino acid requirements. Kim KI, et al. **Br J Nutr** 1983 Sep;50(2):391–9

Effect of lysine and threonine supplementation of sorghum gestation diets on nitrogen balance and plasma constituents in first-litter gilts. Cuaron JA, et al. **J Anim Sci** 1984 Mar; 58(3):631–7

ANALOGS & DERIVATIVES

Polyamide thin-layer chromatography of phosphorylated tyrosine, threonine, and serine. Chang WC, et al. **Anal Biochem** 1983 Jul 15;132(2):342–4

Enhanced degradation of cathepsin D synthesized in the presence of the threonine analog beta-hydroxynorvaline. Hentze M, et al. **Arch Biochem Biophys** 1984 Apr; 230(1):375–82

Insulin stimulates the dephosphorylation of phosphothreonine from fat-pad ATP-citrate lyase. Ramakrishna S, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1047–56

Some properties of synthetic fucopyranosylserines and -threonines. Matsue H, et al. **J Biochem (Tokyo)** 1983 Oct; 94(4):1085–94

ANALYSIS

The identification of threonine-95 as the major site of glycosylation in normal human myelin basic protein. Cruz TF, et al. **Biochem J** 1984 Jun 15;220(3):849–52

Hb F-Calluna or alpha 2 gamma 2(12 Thr replaced by Arg; 75Ile; 136Ala) in a Caucasian baby. Nakatsuji T, et al. **Hemoglobin** 1983;7(6):563–6

CHEMICAL SYNTHESIS

Synthesis of dinitrophenyl derivatives of 3-O-fatty acyl esters of serine and threonine. Marinetti GV, et al. **Chem Phys Lipids** 1984 Mar;34(3):207–13

GENETICS

Nucleotide sequence of thrC and of the transcription termination region of the threonine operon in Escherichia coli K12. Parsot C, et al. **Nucleic Acids Res** 1983 Nov 11; 11(21):7331–45

[Metabolic regulation of threonine operon transcription in E. coli cells] Kliachko EV, et al. **Biokhimiia** 1983 Jul; 48(7):1095–102 (Eng. Abstr.) (Rus)

METABOLISM

Metabolic homoeostasis of L-threonine in the normally-fed rat. Importance of liver threonine dehydrogenase activity. Bird MI, et al. **Biochem J** 1983 Sep 15;214(3):687–94

Growth, enzyme levels, and some metabolic properties of an Escherichia coli mutant grown on L-threonine as the sole carbon source. Boylan SA, et al. **J Bacteriol** 1983 Oct; 156(1):273–80

Wide distribution of pH-dependent service of transport system ASC for both anionic and zwitterionic amino acids. Vadgama JV, et al. **J Biol Chem** 1984 Mar 25; 259(6):3648–52

Threonine uptake in Trypanosoma brucei. Fricker SP, et al. **Mol Biochem Parasitol** 1984 Apr;11:215–23

[Effect of technical threonine sources on homoserine biosynthesis by mutant Brevibacteruim flavum 2T] Shil'nikova II, et al. **Prikl Biokhim Mikrobiol** 1983 Jul-Aug;19(4):490–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effects of graded levels of lysine and excess arginine and threonine on young pigs fed practical diets. Rosell VL,

et al. **J Anim Sci** 1984 Jul;59(1):135–40
[Microbiological production of L–lysine. II. The inhibitory action of L–threonine and L–lysine on the lysine productivity of corynebacterium glutamicum ATCC 13286] Rütkov A. **Acta Microbiol Bulg** 1983;13:40–5 (Eng. Abstr.) **(Bul)**

THREONINE DEAMINASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRATASE

BIOSYNTHESIS

[Characterization of L–threonine deaminase activity of guinea pig liver induced by a high protein diet] Vincent–Fiquet O, et al. **Biochimie** 1984 Jan;66(1):43–8 (Eng. Abstr.) **(Fre)**

GENETICS

Reversion of the effects of a threonine deaminase regulatory mutant by a mutation in ilvH in Escherichia coli K–12. Singer PA, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):270–7
Escherichia coli K–12 mutation that inactivates biodegradative threonine dehydratase by transposon Tn5 insertion. Goss TJ, et al. **J Bacteriol** 1984 Jun;158(3):826–31
Synthesis of the isoleucyl– and valyl–tRNA synthetases and the isoleucine–valine biosynthetic enzymes in a threonine deaminase regulatory mutant of Escherichia coli K–12. Singer PA, et al. **J Mol Biol** 1984 May 5;175(1):39–55

THREONYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

THROAT see **PHARYNX**

THROMBASE see **THROMBIN**

THROMBELASTOGRAPHY

A statistical analysis of some thromboelastographic parameters in normal subjects. Procidano M, et al. **Folia Haematol (Leipz)** 1983;110(4):602–6
[Thromboelastography in obstetrical practice] Makatsariia AD, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):73–6 **(Rus)**
[Role of thromboelastography in the prognostication of pneumonia after lung surgery] Remennikova SB, et al. **Grudn Khir** 1984 Jan–Feb;(1):59–63 (Eng. Abstr.) **(Rus)**

METHODS

[Comparative evaluation of methods of determining fibrinolytic activity of whole blood in oncology patients] Zyrianov BN, et al. **Lab Delo** 1984;(5):280–2 (Eng. Abstr.) **(Rus)**

THROMBIN

A thrombin–like enzyme from timber rattlesnake venom. Shu YY, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):236–44
The role of the tissue adhesive fibrin seal (FS) in esophageal anastomoses. Thorson GK, et al. **J Surg Oncol** 1983 Nov; 24(3):221–3
Splenic repair by fibrin tissue adhesive and collagen fleece. Scheele J, et al. **Surgery** 1984 Jan;95(1):6–13
Adhesion and aggregation of thrombin prestimulated human platelets on surface–bound fibrinogen: evidence for involvement of ADP and arachidonic acid pathways. Feuerstein IA, et al. **Thromb Haemost** 1983 Oct 31; 50(3):679–85
Fate of thrombin and thrombin–antithrombin–III complex adsorbed to a heparinized biomaterial: analysis of the enzyme–inhibitor complexes displaced by plasma. Hatton MW, et al. **Thromb Haemost** 1983 Dec 30;50(4):873–7
Further simplification of cryoprecipitate coagulum pyelolithotomy without thrombin. Kalash SS, et al. **Urology** 1983 Nov;22(5):483–5
Sources of fibrinogen for coagulum pyelolithotomy, without thrombin. A comparative study. Kalash SS, et al. **Urology** 1983 Nov;22(5):486–92
[Use of fibrin glue in orthopedics] Sosna A, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):88–91 (Eng. Abstr.) **(Cze)**
[Surgery of aortic dissections. Value of Tissucol compared with GRF (gelatin, resorcinol and formaldehyde) adhesive (letter)] Bical O, et al. **Presse Med** 1983 Sep 24;12(33):2059 **(Fre)**
[Closure of a vesico–perineal fistula with fibrin glue] Grumbt H, et al. **Zentralbl Chir** 1984;109(5):364–5 **(Ger)**

ADMINISTRATION & DOSAGE

Adult respiratory distress syndrome (ARDS): experimental models with elastase and thrombin infusion in pigs. Burchardi H, et al. **Adv Exp Med Biol** 1984;167:319–33
[Clinical experiences with a fibrin–nebacetin–spongy bone seal in the treatment of chronic bone infections and as local prophylaxis of infection in uninfected bones] Goudarzi YM. **Aktuel Traumatol** 1983 Oct;13(5):205–9 (Eng. Abstr.) **(Ger)**
[Therapeutic principles in the treatment of spontaneous pneumothorax with special reference to the removal of thoracoscopic emphysema bullae and fibrin gluing] Kaiser D, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:979–82 (Eng. Abstr.) **(Ger)**
[Thoracoscopic pleurodesis in spontaneous pneumothorax] Spiegel M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:976–8 (Eng. Abstr.) **(Ger)**
[Control of upper gastrointestinal hemorrhage with thrombin–sucralfate complex] Tamura T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):122 **(Jpn)**
[Effect of combined administration of thrombin and heterologous blood on blood coagulation and fibrinolysis in dogs] Kuznik BI, et al. **Gematol Transfuziol** 1983 Sep; 28(9):40–4 (Eng. Abstr.) **(Rus)**
[Effect of different doses of thrombin on the properties of a fibrin clot] Savushkin AV. **Gematol Transfuziol** 1983 Aug; 28(8):40–3 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Adsorption of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: II. Competition with the other plasma proteins. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):89–93

ANALYSIS

Detection of human fetal fibrinogen in umbilical cord plasma by parallel assays of immunoreactive and thrombin–clottable protein. Barr RD, et al. **Ann Clin Res** 1983 Jun;15(3):104–8
Assay of dermatan sulfate cofactor (heparin cofactor II) activity in human plasma. Abildgaard U, et al. **Thromb Res** 1984 Aug 1;35(3):257–66

ANTAGONISTS & INHIBITORS

Heparin and plasma proteinase inhibitors: influence of heparin on the inhibition of thrombin by alpha 2 macroglobulin. Lambin P, et al. **Adv Exp Med Biol** 1984;167:263–72
GYKI 14,451, a synthetic tripeptide inhibitor of thrombin: 'in vitro' and 'in vivo' studies. Tremoli E, et al. **Adv Exp Med Biol** 1984;164:187–92
A clinical trial of MD–805, a synthetic thrombin inhibitor, for the treatment of DIC. Yamada K. **Bibl Haematologica** 1983;49:343–4
Selective inhibition of thrombin by (2R,4R)–4–methyl–1–[N2–[(3–methyl–1,2,3,4–tetrahydro–8 +) sulfonyl]–l–arginyl)]–2–piperidinecarboxylic acid. Kikumoto R, et al. **Biochemistry** 1984 Jan 3;23(1):85–90
Comparative study on the antithrombotic effects of a synthetic thrombin inhibitor and of heparin in animal models. Hauptmann J, et al. **Biomed Biochim Acta** 1983; 42(7–8):959–65
The inhibitory effects of N2–dansyl–L–arginine–4–t–butylpiperidine amide (TI233) on contraction of vascular and intestinal smooth muscle. Karaki H, et al. **Br J Pharmacol** 1983 Nov;80(3):519–25
Influence of thrombin inhibitors on the thrombin–induced activation of human blood platelets. Markwardt F, et al. **Haemostasis** 1983;13(4):227–33
Clinical evaluation of a new thrombin inhibitor available for haemodialysis. Ota K, et al. **Proc Eur Dial Transplant Assoc** 1983;20:144–9
Pregnancy–associated plasma protein–A (PAPP–A) inhibits thrombin–induced coagulation of plasma. Bischof P, et al. **Thromb Res** 1983 Oct 1;32(1):45–55
Inherited AT–III deficiency: fast and slow inactivation of thrombin and factor Xa. Mortensen JZ. **Thromb Res** 1984 Mar 1;33(5):511–5
Inhibition of thrombin–induced platelet aggregation and serotonin release by antithrombin III and heparin cofactor II in the presence of standard heparin, dermatan sulfate and pentosan polysulfate. Sié P, et al. **Thromb Res** 1984 Jul 15;35(2):231–6
Differential inactivation of human and bovine alpha–thrombins by exosite affinity–labeling reagents. Sonder SA, et al. **Thromb Res** 1983 Dec 15;32(6):623–9
The vascular endothelium as an inhibitor of thrombin. Dryjski M, et al. **Thromb Res [Suppl]** 1983;5:67–72
[Synthesis of N–alpha–arylsulfonylated 4–aminomethylphenylglycinamides and 4–aminomethylphenylalaninamides as thrombin inhibitors] Voigt B, et al. **Pharmazie** 1983 Nov;38(11):793 **(Ger)**
[Synthesis of N–alpha–(arylsulfonylglycyl)amidinophenylalanine amides as highly active inhibitors of thrombin] Wagner G, et al. **Pharmazie** 1984 Apr;39(4):226–30 (Eng. Abstr.) **(Ger)**
[Synthesis of N alpha–(tosyl–beta–alanyl)– and N alpha–(tosyl–epsilon–aminocapronyl)amidinophenylalanine as strongly effective inhibitors of thrombin] Wagner G, et al. **Pharmazie** 1984 May;39(5):315–7 (Eng. Abstr.) **(Ger)**
[Evaluation of a synthetic thrombin inhibitor MD 805 as an anticoagulant after open heart and vascular surgery] Sugawara H, et al. **Kyobu Geka** 1983;36(7):533–7 (Eng. Abstr.) **(Jpn)**
[Neutralization of thrombin by antithrombin III in the presence of heparin in cobra venom poisoning] Pastorova VE. **Fiziol Zh SSSR** 1983 Oct;69(10):1368–71 **(Rus)**

BLOOD

Heparan sulfate and dermatan sulfate inhibit the generation of thrombin activity in plasma by complementary pathways. Ofosu FA, et al. **Blood** 1984 Sep;64(3):742–7

DIAGNOSTIC USE

Determination of functional levels of protein C, an antithrombotic protein, using thrombin–thrombomodulin complex. Comp PC, et al. **Blood** 1984 Jan;63(1):15–21

GENETICS

Thrombin Metz: characterization of the dysfunctional thrombin derived from a variant of human prothrombin. Rabiet MJ, et al. **Blood** 1984 Apr;63(4):927–34

ISOLATION & PURIFICATION

Transition–state affinity chromatography of trypsin–like proteinases with dipeptidyl argininal ligands. Patel AH, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):321–30
Purification and characterization of a fibrinogenase from the venom of Western Diamondback rattlesnake (Crotalus atrox). Sapru ZZ, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):225–31
Thrombin Metz: characterization of the dysfunctional thrombin derived from a variant of human prothrombin. Rabiet MJ, et al. **Blood** 1984 Apr;63(4):927–34
Purification of two thrombin–like enzymes from the venom of Agkistrodon caliginosus (kankoku–mamushi). Suzuki T, et al. **Toxicon** 1984;22(1):29–38

METABOLISM

Immunoassay of alpha 2–macroglobulin–enzyme complexes. Harpel PC. **Ann NY Acad Sci** 1983;421:134–42
Structure of alpha 2–macroglobulin–protease complexes. Wang D, et al. **Ann NY Acad Sci** 1983;421:90–7
Calcium inhibits the heparin–catalyzed antithrombin III/thrombin reaction by decreasing the apparent binding affinity of heparin for thrombin. Speight MO, et al. **Arch Biochem Biophys** 1983 Sep;225(2):958–63
Fibrinogen proteolysis by thrombin, plasmin and platelet release in relation to disseminated intravascular coagulation. Nossel HL. **Bibl Haematologica** 1983; 49:151–62
A novel thrombin enhancement factor in human plasma. Ganguly P, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):189–94
A biologically active thrombin cleavage product of human serum spreading factor. Silnutzer J, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):339–43
Promotion of thrombin–catalyzed activation of factor XIII by fibrinogen. Janus TJ, et al. **Biochemistry** 1983 Dec 20; 22(26):6269–72
Mechanism of action of thrombin on fibrinogen. Kinetic evidence for involvement of aspartic acid at position P10. Marsh HC Jr, et al. **Biochemistry** 1983 Aug 30; 22(18):4170–4
Action of heparin on the inhibition of thrombin by alpha 1–proteinase inhibition. Pixley R, et al. **Biochemistry** 1983 Sep 27;22(20):4810–3
Proflavin binding within the fibrinopeptide groove adjacent to the catalytic site of human alpha–thrombin. Sonder SA, et al. **Biochemistry** 1984 Apr 10;23(8):1818–23
Covalent thrombin–alpha 2–macroglobulin complexes. Evidence for bivalent cross–linking of inhibitor chains by a single enzyme molecule. Wang D, et al. **Biochemistry** 1984 Jun 5;23(12):2807–11
Interaction of thrombin and antithrombin. Reaction observed by intrinsic fluorescence measurements. Wong RF, et al. **Biochemistry** 1983 Aug 16;22(17):3994–9
Interaction and thermal stability of fluorescent labeled derivatives of thrombin and antithrombin III. Atha DH, et al. **Biochim Biophys Acta** 1984 Feb 28;785(1–2):1–6
Photoaffinity labeling of platelet thrombin–binding proteins. Danishefsky KJ, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):48–57
Interaction of alpha–thrombin and prethrombin 2, with phosphatidylserine–containing monolayers. Lecompte MF. **Biochimie** 1984 Feb;66(2):105–9
Catalysis of the generation of thrombin–antithrombin complex by insoluble anticoagulant polystyrene derivatives. Fougnot C, et al. **Biomaterials** 1984 Mar;5(2):94–9
Affinity of purified thrombin or antithrombin III for two insoluble anticoagulant polystyrene derivatives: I. In vitro adsorption studies. Fougnot C, et al. **Biomaterials** 1983 Oct; 4(4):294–8
The oligosaccharide of human thrombin: investigations of functional significance. Horne MK 3d, et al. **Blood** 1984 Jan;63(1):188–94
Isolation and characterization of fibrinogenase from western diamondback rattlesnake venom and its comparison to the thrombin–like enzyme, crotalase. Nikai T, et al. **Comp Biochem Physiol [B]** 1983;76(4):679–86
The relationship between thrombomodulin expression and cell cycle stages in cultured rabbit endothelial cells. DeBault LE, et al. **Cytometry** 1984 Jul;5(4):386–91
Combinations of increased thrombin, plasmin and non–specific protease activity in patients with acute leukaemia. Galloway MJ, et al. **Haemostasis** 1983; 13(5):322–7
Spectrophotometric evaluation of changes during activation

of prothrombin to thrombin. Chanderkar LP, et al. **Indian J Biochem Biophys** 1983 Jun;20(3):167–9

Regulation of activated protein C by thrombin–modified protein S. Suzuki K, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):699–705

Covalent structures of beta and gamma autolytic derivatives of human alpha–thrombin. Boissel JP, et al. **J Biol Chem** 1984 May 10;259(9):5691–7

Involvement of heparin chain length in the heparin–catalyzed inhibition of thrombin by antithrombin III. Hoylaerts M, et al. **J Biol Chem** 1984 May 10;259(9):5670–7

Reaction of antithrombin III with thrombin bound to the vascular endothelium. Analysis in a recirculating perfused rabbit heart preparation. Lollar P, et al. **J Biol Chem** 1984 Apr 10;259(7):4335–8

Bovine alpha– and beta–thrombin. Reduced fibrinogen–clotting activity of beta–thrombin is not a consequence of reduced affinity for fibrinogen. Lundblad RL, et al. **J Biol Chem** 1984 Jun 10;259(11):6991–5

A simple rate law that describes the kinetics of the heparin–catalyzed reaction between antithrombin III and thrombin. Nesheim ME. **J Biol Chem** 1983 Dec 10; 258(23):14708–17

Activation of cyclic nucleotide formation in murine neuroblastoma N1E–115 cells by modified human thrombins. Snider RM, et al. **J Biol Chem** 1984 Jul 25; 259(14):9078–81

Characterization of thrombin binding to alpha 2–macroglobulin. Straight DL, et al. **J Biol Chem** 1984 Jan 25;259(2):1272–8

Thrombin receptors define responsiveness of cholesterol–modified platelets. Tandon N, et al. **J Biol Chem** 1983 Oct 10;258(19):11840–5

Regulation of vitamin K–dependent protein S. Inactivation by thrombin. Walker FJ. **J Biol Chem** 1984 Aug 25; 259(16):10335–9

Immunofluorescent visualization of specifically bound thrombin reveals cellular heterogeneity in number and density of precluatered receptors. Carney DH. **J Cell Physiol** 1983 Dec;117(3):297–307

Initiation of DNA synthesis by human thrombin: relationships between receptor binding, enzymic activity, and stimulation of 86Rb+ influx. Stiernberg J, et al. **J Cell Physiol** 1984 Sep;120(3):289–95

Purification and characterization of hereditary abnormal antithrombin III with impaired thrombin binding. Jørgensen M, et al. **J Lab Clin Med** 1984 Aug;104(2):245–56

Cleavage of rabbit myelin basic protein by thrombin. Law MJ, et al. **J Neurochem** 1984 Feb;42(2):559–68

Thrombin binding to human brain and spinal cord. McKinney M, et al. **Mayo Clin Proc** 1983 Dec;58(12):829–31

Structure–function relationships in human alpha– and gamma–thrombins. Berliner LJ. **Mol Cell Biochem** 1984; 61(2):159–72

The interaction of immobilized thrombin with human antithrombin III. Marciniak E, et al. **Thromb Haemost** 1984 Feb 28;51(1):27–31

Inactivation of thrombin by the aortic endothelium. Swedenborg J, et al. **Thromb Haemost** 1983 Oct 31; 50(3):635–8

Prothrombin Salakta: an abnormal prothrombin characterized by a defect in the active site of thrombin. Bezeaud A, et al. **Thromb Res** 1984 Jun 15;34(6):507–18

Effect of glycosaminoglycans and antithrombin III on uptake and inhibition of thrombin by the vascular wall. Dryjski M, et al. **Thromb Res** 1983 Nov 15;32(4):355–63

Catabolism of antithrombin III–protease complexes [letter] Fuchs HE, et al. **Thromb Res** 1983 Oct 15;32(2):253–4

Comparative in vivo and in vitro studies of fibrinopeptide A and factor XIII subunit A levels as indicators of thrombin generation. Galloway MJ, et al. **Thromb Res** 1984 Jan 15; 33(2):229–34

Thrombin–induced platelet reactions: effect of substrates and inhibitors on binding of thrombin and serotonin release. Iwamoto M, et al. **Thromb Res** 1984 Feb 15;33(4):427–37

The effect of platelet inhibitors on glycoprotein V hydrolysis by thrombin. Knupp CL, et al. **Thromb Res** 1984 May 1; 34(3):225–31

The alpha 2 macroglobulin/thrombin interaction in the presence of hydroxylamine. Lambin P, et al. **Thromb Res** 1983 Oct 15;32(2):123–32

A thrombin assay based upon the release of fibrinopeptide A from fibrinogen: definition of a new thrombin unit. Lewis SD, et al. **Thromb Res** 1984 Jul 15;35(2):111–20

Enzymic activity of thrombin with partially reduced disulfide bonds. Serejskaya AA, et al. **Thromb Res** 1983 Oct 15; 32(2):147–54

On the binding of native plasminogen to fibrin and its role in thrombolysis. Shah GA, et al. **Thromb Res** 1983 Oct 1;32(1):67–72

Differentiation of thrombin– and factor Xa–related amidolytic activity in plasma by means of a synthetic thrombin inhibitor. Svendsen L, et al. **Thromb Res** 1984 Jun 1;34(5):457–62

[Nuclear DNAase of the yeast Candida tropicalis] Davydova MN, et al. **Biokhimiia** 1984 Feb;49(2):310–5 (Eng. Abstr.) **(Rus)**

[Kininogenase activity of alpha and beta/gamma forms of bovine thrombin] Egorova TP, et al. **Biokhimiia** 1984 Feb; 49(2):328–33 (Eng. Abstr.) **(Rus)**

[Cell receptors for active blood coagulation factors] Malezhik LP, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):7–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Role of activated protein C on platelet aggregation induced by thrombin. Novoa Santander E, et al. **Acta Physiol Lat Am** 1983;33(2):161–4

Effect of epinephrine on fibrinogen receptor exposure by aspirin–treated platelets and platelets from concentrates in response to ADP and thrombin. Peerschke EI. **Am J Hematol** 1984 May;16(4):335–45

Immunofluorescent localization of adhesive glycoproteins in resting and thrombin–stimulated platelets. Wencel–Drake JD, et al. **Am J Pathol** 1984 May;115(2):156–64

Effects of enzymatic deglycosylation on the biological activities of human thrombin and antithrombin. Rosenfeld L, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):359–67

Triphosphoinositide breakdown and dense body release as the earliest events in thrombin–induced activation of human platelets. Rendu F, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):513–9

The effect of carbonic anhydrase inhibition on the velocity of thrombin–stimulated platelet aggregation under physiological conditions. Siffert W, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):266–70

Potentiation by thrombin of the secretion of serotonin from permeabilized platelets equilibrated with Ca2+ buffers. Relationship to protein phosphorylation and diacylglycerol formation. Haslam RJ, et al. **Biochem J** 1984 Sep 1; 222(2):351–61

Tight coupling of thrombin–induced acid hydrolase secretion and phosphatidate synthesis to receptor occupancy in human platelets. Holmsen H, et al. **Biochem J** 1984 Aug 15;222(1):157–67

Quantification of energy consumption in platelets during thrombin–induced aggregation and secretion. Tight coupling between platelet responses and the increment in energy consumption. Verhoeven AJ, et al. **Biochem J** 1984 Aug 1;221(3):777–87

Changes in the platelet phosphoinositides during the first minute after stimulation of washed rabbit platelets with thrombin. Vickers JD, et al. **Biochem J** 1984 Apr 1; 219(1):25–31

Cytoplasmic free calcium concentration in porcine platelets. Regulation by an intracellular nonmitochondrial calcium pump and increase after thrombin stimulation. Purdon AD, et al. **Biochim Biophys Acta** 1984 Jul 30;800(2):178–87

Thrombin pretreatment of human platelets impairs thromboxane A2 synthesis from endogenous precursors in the presence of normal cyclooxygenase activity. Reimers HJ, et al. **Blood** 1984 Apr;63(4):858–65

Characterization of the thrombin–induced contraction of vascular smooth muscle. Haver VM, et al. **Blood Vessels** 1984;21(2):53–63

Comparison of responses elicited by alpha–thrombin in isolated canine basilar, coronary, mesenteric, and renal arteries. White RP, et al. **Blood Vessels** 1984;21(1):12–22

Production and availability of thromboplastin in endothelial cells: the effects of thrombin, endotoxin and platelets. Brox JH, et al. **Br J Haematol** 1984 Jun;57(2):239–46

Altered phospholipid metabolism in thrombin–stimulated human platelets. Holub BJ. **Can J Biochem Cell Biol** 1984 Jun;62(6):341–51 (116 ref.)

Thrombin and activators of protein kinase C modulate secretory responses of permeabilised human platelets induced by Ca2+. Knight DE, et al. **Eur J Biochem** 1984 Sep 3;143(2):437–46

Convulxin–induced activation of intact and of thrombin–degranulated rabbit platelets: specific crossed desensitisation with collagen. Vargaftig BB, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):57–68

Mitogen–potentiating action and binding characteristics of insulin and insulin–like growth factors in Chinese hamster fibroblasts. Van Obberghen–Schilling E, et al. **Exp Cell Res** 1983 Sep;147(2):369–78

The role of 1–O–alkyl–2–acetyl–sn–glyceryl–3–phosphorylcholine (AcGEPC) and palmitoyl–lysophosphatidate in the responses of human blood platelets to collagen and thrombin. Hallam TJ, et al. **FEBS Lett** 1983 Oct 3; 162(1):142–6

Thrombin stimulates Na+–H+ exchange across the human platelet plasma membrane. Siffert W, et al. **FEBS Lett** 1984 Jul 9;172(2):272–4

Activation of phospholipase C in thrombin–stimulated platelets does not depend on cytoplasmic free calcium concentration. Simon MF, et al. **FEBS Lett** 1984 May 7; 170(1):43–8

Anticoagulating and non–enzymatic fibrinolytic activities of heparin–antithrombin III and antithrombin III–heparin–thrombin complexes in vitro and in vivo. Kudrjashov BA, et al. **Folia Haematol (Leipz)** 1983; 110(5):731–42

Effects of cyclooxygenase and lipoxygenase inhibition on lung fluid balance after thrombin. Bizios R, et al. **J Appl Physiol** 1983 Aug;55(2):462–71

Effect of complement depletion on lung fluid balance after thrombin. Johnson A, et al. **J Appl Physiol** 1983 Nov; 55(5):1480–5

Relative degradation of different molecular species of phosphatidylcholine in thrombin–stimulated human platelets. Mahadevappa VG, et al. **J Biol Chem** 1984 Aug 10;259(15):9369–73

Growth factors activate the Na+/H+ antiporter in quiescent fibroblasts by increasing its affinity for intracellular H+. Paris S, et al. **J Biol Chem** 1984 Sep 10;259(17):10989–94

A reevaluation of the response of human umbilical vein endothelial cells to certain growth factors. Knauer DJ, et al. **J Cell Physiol** 1983 Dec;117(3):397–406

Demonstration of a late amiloride–sensitive event as a necessary step in initiation of DNA synthesis by thrombin. Stiernberg J, et al. **J Cell Physiol** 1983 Nov;117(2):272–81

Two distinct forms of Factor VIII coagulant protein in human plasma. Cleavage by thrombin, and differences in coagulant activity and association with von Willebrand factor. Weinstein MJ, et al. **J Clin Invest** 1984 Feb; 73(2):307–16

Enhanced incorporation of exogenous arachidonic acid into phosphatidylinositol and other phospholipids during the early stages of thrombin–induced aggregation in gerbil platelets. Agwu DE, et al. **Lipids** 1983 Dec;18(12):859–62

Human endothelial cells in culture produce platelet–activating factor (1–alkyl–2–acetyl–sn–glycero–3–phosphocholine) when stimulated with thrombin. Prescott SM, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3534–8

The effect of thrombin on platelet accumulation on the vessel wall – influence of heparin and aspirin. Dejana E, et al. **Thromb Haemost** 1983 Aug 30;50(2):567–71

1–O–hexadecyl–2–acetyl–sn–3–glycerophosphorylcholine (PAF): some effects on the aggregation of human platelets by thrombin or collagen. Hornby EJ, et al. **Thromb Haemost** 1983 Aug 30;50(2):586–7

On the procoagulant activity of platelets stimulated by collagen and thrombin [letter] Bevers EM, et al. **Thromb Res** 1984 Mar 1;33(5):553–4

Platelet factor 3 assay and the availability of platelet factor 3 in collagen or thrombin stimulated platelets [letter] Brox JH, et al. **Thromb Res** 1984 Mar 1;33(5):555

Thrombin–induced shape changes of cultured endothelial cells: metabolic and functional observations. Galdal KS, et al. **Thromb Res** 1983 Oct 1;32(1):57–66

Inhibitory action of guanosine 3',5'–monophosphate on thrombin–induced calcium mobilization in human platelets. Kawahara Y, et al. **Thromb Res** 1984 Jan 15;33(2):203–9

Effect of plasma histidine–rich glycoprotein on the inhibition by anionic polysaccharides of thrombin–triggered platelet aggregation. Kindness G, et al. **Thromb Res** 1984 Jan 15; 33(2):139–43

Characterization of the thrombin–induced desensitization of platelet activation by thrombin. McGowan EB, et al. **Thromb Res** 1983 Jul 15;31(2):297–304

Kinetic study on the initial stage of the fibrinogen–fibrin conversion by thrombin. (1) Application of mathematical treatment to turbidimetrical method. Sato H, et al. **Thromb Res** 1984 Mar 15;33(6):645–51

In vivo attempt to consume antithrombin III by i.v. injection of a thrombin–heparin mixture. Soulier JP, et al. **Thromb Res** 1984 May 1;34(3):255–62

Phosphatidylcholine is the major phospholipid providing arachidonic acid for prostacyclin synthesis in thrombin–stimulated human endothelial cells. Thomas JM, et al. **Thromb Res** 1984 Apr 15;34(2):117–23

[Thrombin–stimulated release of serotonin from blood platelets] Hoffmann A, et al. **Biomed Biochim Acta** 1984; 43(3):321–36 (Eng. Abstr.) **(Ger)**

[Biological bases of tissue synthesis using human fibrin glue] Pini Prato GP, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):903–14 (89 ref.) (Eng. Abstr.) **(Ita)**

[Adsorption of thrombin to glass surfaces and resultant changes in its activity] Kimura M, et al. **Yakugaku Zasshi** 1983 Apr;103(4):411–3 (Eng. Abstr.) **(Jpn)**

[Effect of thrombin on platelet proteins of swine] Wodzinowska B, et al. **Acta Haematol Pol** 1983 Jul–Dec; 14(3–4):173–80 (Eng. Abstr.) **(Pol)**

[Effect of thrombin on the arterial blood pressure level and on cardiac activity in rats] Iur'eva Glu, et al. **Biol Nauki** 1983;(8):43–7 (Eng. Abstr.) **(Rus)**

[Effect of aggregating agents on the pentosephosphate pathway of carbohydrate metabolism in human blood platelet extracts] Makarov SA, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):48–52 (Eng. Abstr.) **(Rus)**

[Biological effects of thrombin] Malezhik LP, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):16–22 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the effect of alpha–thrombin and trypsin on the state of the anticoagulating system] Strukova SM, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1467–72 (Eng. Abstr.) **(Rus)**

[Effect of thrombin on functional activity of macrophages and lymphocytes] Malezhik LP, et al. **Gematol Transfuziol** 1983 Sep;28(9):22–7 (Eng. Abstr.) **(Rus)**

[Multimeric structure of factor VIII/von Willebrand factor released from human platelets by ADP, collagen and thrombin] López Fernández MF, et al. **Sangre (Barc)** 1983; 28(4):439–49 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Localization of a chemotactic domain in human thrombin. Bar–Shavit R, et al. **Biochemistry** 1984 Jan 31;23(3):397–400

Close correlation between platelet responses and adenylate energy charge during transient substrate depletion.

Akkerman JW, et al. **Biochim Biophys Acta** 1983 Oct 4; 760(1):34–41

Histidine-rich glycoprotein is present in human platelets and is released following thrombin stimulation. Leung LL, et al. **Blood** 1983 Nov;62(5):1016–21

Inhibition of the thrombin-platelet reaction by hirudin. Hoffmann A, et al. **Haemostasis** 1984;14(2):164–9

Thrombomodulin blocks the ability of thrombin to activate platelets. Esmon NL, et al. **J Biol Chem** 1983 Oct 25; 258(20):12238–42

Cation gradient dependence of the steps in thrombin stimulation of human platelets. Greenberg-Sepersky SM, et al. **J Biol Chem** 1984 Feb 10;259(3):1502–8

Evidence that activation of platelets and endothelium by thrombin involves distinct sites of interaction. Studies with the dysthrombin, Thrombin Quick I. Henriksen RA, et al. **J Biol Chem** 1983 Nov 25;258(22):13717–21

A platelet membrane protein expressed during platelet activation and secretion. Studies using a monoclonal antibody specific for thrombin-activated platelets. Hsu-Lin S, et al. **J Biol Chem** 1984 Jul 25;259(14):9121–6

Activation of phospholipase C is dissociated from arachidonate metabolism during platelet shape change induced by thrombin or platelet-activating factor. Epinephrine does not induce phospholipase C activation or platelet shape change. Siess W, et al. **J Biol Chem** 1984 Jul 10;259(13):8286–92

Redistribution of alpha-granules and their contents in thrombin-stimulated platelets. Stenberg PE, et al. **J Cell Biol** 1984 Feb;98(2):748–60

Acceleration of thrombin-antithrombin complex formation in rat hindquarters via heparinlike molecules bound to the endothelium. Marcum JA, et al. **J Clin Invest** 1984 Aug; 74(2):341–50

Receptor-mediated chemotactic response of a macrophage cell line (J774) to thrombin. Bar-Shavit R, et al. **Lab Invest** 1983 Dec;49(6):702–7

12S,20-dihydroxyicosatetraenoic acid: a new icosanoid synthesized by neutrophils from 12S-hydroxyicosatetraenoic acid produced by thrombin- or collagen-stimulated platelets. Marcus AJ, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):903–7

Kinetic study on the initial stage of the fibrinogen-fibrin conversion by thrombin. (II) Application of enzyme kinetics to turbidimetrical method. Sato H, et al. **Thromb Res** 1984 Jul 15;35(2):133–9

Binding of native and thrombin activated factor VIII to platelets. Sewerin K, et al. **Thromb Res** 1983 Sep 1; 31(5):695–706

Thrombin activity during hemodialysis; evaluated by the fibrinopeptide A assay. A comparison between a high and a low heparin dose regime. Wilhelmsson S, et al. **Thromb Res** 1983 Sep 1;31(5):685–93

[Relation of the formation of the fibrin network of a blood clot to the amount of thrombin in complexes with endogenous heparin] Ishmukhametova DN, et al. **Anesteziol Reanimatol** 1984 Mar-Apr;(2):30–4 (Eng. Abstr.) **(Rus)**

[Blood coagulation factors as biologically active compounds] Malezhik LP, et al. **Gematol Transfuziol** 1983 Aug; 28(8):52–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prevention of peritoneal adhesion formation by fibrin sealant. An experimental study in rats. Lindenberg S, et al. **Ann Chir Gynaecol** 1984;73(1):11–3

Evaluation of fibrin sealing for cardiovascular surgery. Jakob H, et al. **Circulation** 1984 Sep;70(3 Pt 2):I138–46

A fibrin adhesive seal for the repair of osteochondral fracture fragments. Meyers MH, et al. **Clin Orthop** 1984 Jan-Feb; (182):258–63

Use of Tisseel in neurosurgery [letter] Haase J. **J Neurosurg** 1984 Oct;61(4):801

Combined application of heterologous collagen and fibrin sealant for liver injuries. Jakob H, et al. **J Surg Res** 1984 Jun;36(6):571–7

A new method of skin graft adhesion. Vibe P, et al. **Scand J Plast Reconstr Surg** 1983;17(3):263–4

Bronchopleural leakage treated with fibrin sealant and high-frequency positive-pressure ventilation. Jørgensen A, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):139–40

[Application of fibrin kleber in animal experiments and clinical practice] Dai ZB. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):407–8 (Eng. Abstr.) **(Chi)**

[Osteosynthesis of epiphyseal fractures using fibrin glue in an experiment. Preliminary communication] Havránek P, et al. **Rozhl Chir** 1983 Dec;62(12):802–5 (Eng. Abstr.) **(Cze)**

[Studies of a fibrin adhesive on punch wounds in rats] Ronneberger H, et al. **Arzneimittelforsch** 1984;34(3):287–90 (Eng. Abstr.) **(Ger)**

[Closure of joint cartilage defects using cartilage fragments and fibrin glue] Albrecht FH. **Fortschr Med** 1983 Oct 6; 101(37):1650–2 (Eng. Abstr.) **(Ger)**

[Fibrin glue in otorhinolaryngology] Portmann M, et al. **An Otorrinolaringol Ibero Am** 1983;10(6):583–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Microvascular alterations in thrombin-induced experimental disseminated intravascular coagulation in the dog. Vignolo-Scalone WH, et al. **Angiology** 1984 May; 35(5):261–8

THROMBIN TIME see under **BLOOD COAGULATION TESTS**

THROMBOANGIITIS OBLITERANS

The definition of Buerger's disease [letter] Adar R, et al. **World J Surg** 1984 Jun;8(3):423–4

DIAGNOSIS

What is Buerger's disease? Shionoya S. **World J Surg** 1983 Jul;7(4):544–51

[Buerger's disease: current diagnostic and therapeutic concepts] Bollinger A, et al. **Ann Med Interne (Paris)** 1983; 134(5):436–40 (Eng. Abstr.) **(Fre)**

[From Buerger-type arteritis to classic Buerger's disease. Apropos of a case followed for a 10-year period] Langeron P. **LARC Med** 1983 Apr;3(4):211–2, 215–6, 219–20 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Prostaglandin E1 in obstructive peripheral vascular disease. Fernandez NA, et al. **Mt Sinai J Med (NY)** 1983 May-Jun; 50(3):213–7

[Treatment of Buerger's disease with prazosin (letter)] Payen D, et al. **Presse Med** 1983 Oct 8;12(35):2185–6 **(Fre)**

ETIOLOGY

[Role of lysosomal enzymes in the pathogenesis of peripheral arterial diseases] Knapik-Kordecka M. **Pol Arch Med Wewn** 1983 Jun;69(6):401–6 (36 ref.) **(Pol)**

IMMUNOLOGY

Significance of circulatory immune complexes in thromboangiitis obliterans (Buerger's disease). Gulati SM, et al. **Angiology** 1984 May;35(5):276–81

CAT scan and immunohistochemical findings in a case of cerebral thromboangiitis obliterans (Buerger's disease). Kessler C, et al. **Eur Neurol** 1984;23(1):7–11

PATHOLOGY

The involvement of small vessels in Buerger's disease in their clinicopathological correlation [letter] Di Giacomo V, et al. **Angiology** 1984 May;35(5):324–5

[Degos' malignant atrophic papulosis (Degos-Delort-Tricot syndrome)] Siano VI, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):37–41 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Clinical evaluation of transcutaneous oxygen tension measurement for lower limb ischemia] Esato K, et al. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):638–42 (Eng. Abstr.) **(Jpn)**

[Postinjection changes in angiopathy patients] Medvedev VN, et al. **Probl Endokrinol (Mosk)** 1984 May-Jun; 30(3):24–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Femoral arteriography in thromboangiitis obliterans: report of 35 cases] Zhi DQ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb;18(1):38–40 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Peripheral arterial disease diagnosed with high-count-rate radionuclide arteriography. Oshima M, et al. **Radiology** 1984 Jul;152(1):161–6

SURGERY

[Vascular pedicled free omental graft in the treatment of thromboangiitis obliterans] Feng YX. **Chung Hua Wai Ko Tsa Chih** 1984 Feb;22(2):91–3 (Eng. Abstr.) **(Chi)**

[Autogenous omental transplantation in Buerger's disease] Yang ZM. **Chung Hua Wai Ko Tsa Chih** 1983 Aug; 21(8):479–80 **(Chi)**

[Thromboangiitis obliterans treated by lumbar sympathectomy and subtotal adrenalectomy] Yu YX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):246–8 **(Chi)**

[Diagnostic and therapeutic problems in endangiitis obliterans] Lambrecht R, et al. **Zentralbl Chir** 1983; 108(22):1414–21 (Eng. Abstr.) **(Ger)**

[Evaluation of surgical therapy for thromboangitis obliterans, with special reference to follow-up studies] Esato K, et al. **Nippon Geka Gakkai Zasshi** 1983 Apr;84(4):349–54 (Eng. Abstr.) **(Jpn)**

[Our experience in surgery of the suprarenal glands] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr-Jun;87(2):217–23 (Eng. Abstr.) **(Rum)**

[Transplantation of the greater omentum using microsurgical technics in thromboangiitis obliterans] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1984 May;(5):61–6 (Eng. Abstr.) **(Rus)**

THERAPY

Pregnancy in a young woman with Buerger's disease. A case report. Young SG, et al. **J Reprod Med** 1983 Oct; 28(10):694–6

[Treatment of thromboangiitis obliterans with hyperbaric oxygenation and intra-arterial injection of CO2: analysis of 24 cases] Bao YS. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):295–8 (Eng. Abstr.) **(Chi)**

[Lumbar sympathectomy in patients with thromboangiitis] Rada IO. **Rev Chir [Chir]** 1984 Jan-Feb;33(1):29–38 (Eng. Abstr.) **(Rum)**

THROMBOCYTES see **BLOOD PLATELETS**

THROMBOCYTOPATHY see under **BLOOD PLATELET DISORDERS**

THROMBOCYTOSIS

BLOOD

Platelet size in thrombocytosis [letter] Bessman JD. **Acta Haematol (Basel)** 1984;71(2):144

Clinical significance of beta-thromboglobulin in patients with high platelet count. Fabris F, et al. **Acta Haematol (Basel)** 1984;71(1):32–8

Erythroid colony formation in primary thrombocythaemia: evidence of hypersensitivity to erythropoietin. Eridani S, et al. **Br J Haematol** 1984 Jan;56(1):157–61

Platelet membrane fatty acids in thrombocytosis due to myeloproliferative disorders. Leoncini G, et al. **Cell Biochem Funct** 1984 Jan;2(1):23–5

The clinical significance of beta-thromboglobulin and platelet factor-4 in polycythaemic patients. Najean Y, et al. **Scand J Haematol** 1983 Oct;31(4):298–304

Some aspects of platelet glucose metabolism in thrombocytosis due to myeloproliferative disorders. Leoncini G, et al. **Thromb Res** 1984 May 1;34(3):233–9

[Primary thrombocythemia in childhood] Flapper B, et al. **Tijdschr Kindergeneeskd** 1983 Jun;51(3):77–85 (Eng. Abstr.) **(Dut)**

[Temperature-dependent spontaneous platelet aggregation in polycythemia vera and primary thrombocythemia: a diagnostic criterion] Fröhli P, et al. **Klin Wochenschr** 1984 May 2;62(9):412–6 (Eng. Abstr.) **(Ger)**

[Platelet membrane glycoproteins of thrombocytopenic disorders: analysis using isoelectric focusing and sodium dodecyl sulfate polyacrylamide gel electrophoresis in a two-dimensional technic] Nibu K. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):781–91 (Eng. Abstr.) **(Jpn)**

[Clinical analysis of thrombocytosis] Hellmann A, et al. **Pol Tyg Lek** 1983 Oct 17-24;38(42-43):1317–20 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Thrombocytosis as a feature of iron-deficiency therapeutic correction [letter] Deray G, et al. **Arch Intern Med** 1984 Feb;144(2):414–5

[Effect of Sadofos on blood morphology in rats] Danieyko-Osman M, et al. **Ann Acad Med Stetin** 1980; 26:349–59 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Neurologic manifestations of essential thrombocythemia [letter] **Ann Intern Med** 1984 Feb;100(2):316–7

Amyloidosis and hyposplenism with leukocytosis and thrombocytosis [letter] Jacobson IM, et al. **Ann Intern Med** 1983 Oct;99(4):573

Relapsing acute febrile neutrophilic dermatosis and essential thrombocythemia. Hehlmann R, et al. **Blut** 1984 May; 48(5):297–305

Superior sagittal sinus thrombosis and essential thrombocythaemia. Murphy MF, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1344

Recurrent transient ischemic attacks associated with thrombocytosis in rheumatoid arthritis. Pines A, et al. **Clin Rheumatol** 1982 Dec;1(4):291–3

Metatarsalgia caused by an increase in circulating platelets: a case report. Rosenkranz L, et al. **Foot Ankle** 1984 Jan-Feb;4(4):216–7

Painful extremities and neurological disorder in essential thrombocythaemia. Martin EA, et al. **J R Soc Med** 1984 May;77(5):372–4

Thrombocythemia occurring in a patient with congestive heart failure. Parrott LH. **J SC Med Assoc** 1984 May; 80(5):256–7

[Areactive pulmonary and systemic tuberculosis in a idiopathic thrombocythemia with immunodepression] Barbolini G, et al. **Arch Monaldi** 1982 May-Jun; 37(3-4):243–8 **(Fre)**

[Leg ulcers in essential thrombocythemia] Kaufmann R, et al. **Hautarzt** 1984 May;35(5):259–62 (Eng. Abstr.) **(Ger)**

[A case of warm-type autoimmune hemolytic anemia with thrombocytosis and cerebral infarction] Nakamaki T, et al. **Rinsho Ketsueki** 1984 May;25(5):655–9 (Eng. Abstr.) **(Jpn)**

[Primary thrombocythemia associated with right hemiparesis, refractory ulcer of left toe and renovascular hypertension] Oochi N, et al. **Rinsho Ketsueki** 1983 Aug;24(8):1060–7 (Eng. Abstr.) **(Jpn)**

[Platelet hyperaggregation and plasma hypercoagulability associated with normal antithrombin III and platelet factor 3 deficiency in the nephrotic syndrome in children] Cutcudache C, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):57–66 **(Rum)**

DIAGNOSIS

Eleven-year follow-up of 'primary thrombocythemia' in a child [letter] Amato D, et al. **J Pediatr** 1984 Apr;104(4):639

Evaluation of automated platelet counters for the enumeration and sizing of platelets in the diagnosis and management of hemostatic problems. Dumoulin–Lagrange M, et al. **Semin Thromb Hemost** 1983 Oct;9(4):235–44 (55 ref.)

[Essential thrombocythemia. Clinical, biological study and developmental study of 61 cases] Simon M, et al. **Sem Hop Paris** 1984 Apr 19;60(17):1173–9 (Eng. Abstr.) **(Fre)**

[Thrombocytosis and thrombocythemia (editorial)] Feliu E, et al. **Med Clin (Barc)** 1983 Oct 29;81(13):569–71 **(Spa)**

[Thrombocytosis—an usual finding with clinical relevance] Bergström I, et al. **Lakartidningen** 1984 May 30; 81(22):2264–6 **(Swe)**

DRUG THERAPY

Human leukocyte interferon to control thrombocytosis in chronic myelogenous leukemia. Talpaz M, et al. **Ann Intern Med** 1983 Dec;99(6):789–92

ENZYMOLOGY

Platelet glyoxalases in thrombocytosis. Leoncini G, et al. **Scand J Haematol** 1984 Jul;33(1):91–4

ETIOLOGY

Thrombocytosis: an acute-phase reactant, not an adverse reaction to the new beta-lactam antibiotics. Parry MF, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):229–31

Thrombocytosis associated with tuberculous peritonitis. Omar MA, et al. **Tubercle** 1983 Dec;64(4):295–6

[Thrombocytosis. A review of 500 cases] Jensen MK, et al. **Ugeskr Laeger** 1983 Oct 3;145(40):3071–2 (Eng. Abstr.) **(Dan)**

[Description of a case of infantile cortical hyperostosis with thrombocytemia and an increase of immunoglobulins] Benigno V, et al. **Minerva Pediatr** 1984 Apr 30;36(8):417–20 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Absence of a specific chromosomal marker in essential thrombocythemia. Case DC Jr. **Cancer Genet Cytogenet** 1984 Jun;12(2):163–5

Two adult siblings with thrombocytopenia and a familial 13;14 translocation. Nowell P, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):169–74

[Thrombocythemia with Philadelphia chromosome. Secondary appearance of chronic myeloid leukemia] Vannier JP, et al. **Presse Med** 1983 Nov 19;12(42):2683–4 (Eng. Abstr.) **(Fre)**

[Philadelphia chromosome present in pluripotential cell: primary thrombocytosis t(9q+ ; 22q–)] Ruiz-Argüelles GJ, et al. **Rev Invest Clin** 1984 Jan–Mar;36(1):49–51 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

A monoclonal anti-platelet antibody with decreased reactivity for autoimmune thrombocytopenic platelets. Varon D, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6992–5

[Activation of oxidative metabolism of granulocytes and monocytes by IGG-coated platelets from patients with thrombocytopenia] Descamps-Latscha B, et al. **C R Seances Acad Sci [III]** 1984;298(15):419–22 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Acute basophilic leukemia. Shah I, et al. **Am J Med** 1984 Jun;76(6):1097–9

Acute promyelocytic leukaemia developing in essential thrombocythaemia: blastic crisis or secondary acute leukaemia? Case report. Ratti M, et al. **Haematologica (Pavia)** 1984 May–Jun;69(3):330–5

[A case of essential thrombocythemia terminated in acute myeloblastic leukemia] Fukushima Y, et al. **Rinsho Ketsueki** 1984 May;25(5):712–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of thrombocytopenia on monocrotaline pyrrole-induced pulmonary hypertension. Hilliker KS, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):H747–53

Thrombocythemia and neurologic effects [letter] Levin J. **Ann Intern Med** 1984 Jan;100(1):161–2

[Analysis of platelet parameters and distribution curves obtained using the Coulter Counter Model S Plus in the physiopathological mechanism of thrombocytopenia and thrombocytosis] Marugan I, et al. **Sangre (Barc)** 1983; 28(6):711–23 (Eng. Abstr.) **(Spa)**

THROMBOELASTOGRAPHY see

THROMBELASTOGRAPHY

THROMBOEMBOLISM

Eicosanoids and venous thromboembolism. Fitzpatrick JW, et al. **J Am Osteopath Assoc** 1983 Dec;83(4):301–6 (53 ref.)

[Thromboembolism in obstetrics] von Hugo R, et al. **Gynakologe** 1984 Jun;17(2):115–23 **(Ger)**

BLOOD

Thromboembolism in congenital factor VII deficiency. Shifter T, et al. **Acta Haematol (Basel)** 1984;71(1):60–2

The lupus inhibitor in thromboembolic disease and intrauterine death in the absence of systemic lupus. Gårdlund B. **Acta Med Scand** 1984;215(4):293–8

Vascular plasminogen activator levels and thromboembolic disease in patients with gynecologic malignancies. Gore M, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):830–4

Antithrombin 'Chicago': a functionally abnormal molecule with increased heparin affinity causing familial thrombophilia. Bauer KA, et al. **Blood** 1983 Dec; 62(6):1242–50

Human protein C and thromboembolic disease. Gardiner JE, et al. **Prog Hematol** 1983;13:265–78 (82 ref.)

An enzyme linked immunosorbent assay for determination of tissue plasminogen activator applied to patients with thromboembolic disease. Bergsdorf N, et al. **Thromb Haemost** 1983 Oct 31;50(3):740–4

Fluorogenic substrate assay of antithrombin III: a clinical study. Triplett DA, et al. **Thromb Res** 1983 Sep 15; 31(6):855–62

[Introduction to the topic of thromboembolism] Riecker G. **Internist (Berlin)** 1984 Feb;25(2):73–4 **(Ger)**

[Thromboembolism. The clinical significance of antithrombin III] Schramm W. **Internist (Berlin)** 1984 Feb;25(2):88–92 **(Ger)**

CHEMICALLY INDUCED

Myocardial infarction and severe thromboembolic complications. As seen in an estrogen-dependent transsexual. Fortin CJ, et al. **Arch Intern Med** 1984 May; 144(5):1082–3

Evaluation of risk factors associated with vascular thrombosis in women on oral contraceptives. Possible role of anti-sex steroid hormone antibodies. Beaumont V, et al. **Artery** 1983;11(5):331–44

Increased incidence of thromboembolism in stage IV breast cancer patients treated with a five-drug chemotherapy regimen. A study of 159 patients. Goodnough LT, et al. **Cancer** 1984 Oct 1;54(7):1264–8

A method for monitoring ADP-induced thromboembolism in mice. Kigasawa K, et al. **Thromb Res** 1984 Aug 1; 35(3):311–8

[Thromboembolic disease and intravascular coagulation induced by heparin. 2 cases] Thomas L, et al. **Agressologie** 1983 Nov;24(11):545–7 (Eng. Abstr.) **(Fre)**

[Oral contraceptives and cardiovascular complications] Murad V. **Arq Bras Cardiol** 1983 Mar;40(3):215–21 **(Por)**

COMPLICATIONS

Bacterial corneal ulcer, endophthalmitis, and embolic phenomena. Brenner M. **Ann Ophthalmol** 1984 Apr; 16(4):334–40

No evidence for a prethrombotic state in stable chronic inflammatory bowel disease. Knot E, et al. **J Clin Pathol** 1983 Dec;36(12):1387–90

CONGENITAL

The use of a functional and immunologic assay for plasma protein C in the study of the heterogeneity of congenital protein C deficiency. Bertina RM, et al. **Thromb Haemost** 1984 Feb 28;51(1):1–5

DIAGNOSIS

Pregnancy and venous thrombo-embolism. Bergqvist D, et al. **Acta Obstet Gynecol Scand** 1983;62(5):449–53

Surgical removal of right atrial thromboembolus detected by two-dimensional echocardiography in pulmonary embolism. Nestico PF, et al. **Am Heart J** 1984 Jun; 107(6):1278–80

Left ventricular thrombi in three children with dilated cardiomyopathy: diagnostic procedure and clinical course. Kupferschmid C, et al. **Pediatr Cardiol** 1984 Jan–Mar; 5(1):65–9

[Diagnostic significance of proteolytic breakdown products of fibrinogen and fibrin] Heene DL, et al. **Internist (Berlin)** 1984 Feb;25(2):93–101 **(Ger)**

[Diagnosis and therapy of hemostatic disorders in oncology. A short review] Rasche H. **Onkologie** 1984 Feb;7 Suppl 1:28–30 (Eng. Abstr.) **(Ger)**

[Two-dimensional echocardiographic diagnosis of a thromboembolic mass in the right atrium] De Dominicis E, et al. **G Ital Cardiol** 1983 Oct;13(10):265–7 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Prostacyclin and its analogues for the therapy of thromboembolic disorders. Whittle BJ, et al. **Adv Exp Med Biol** 1984;164:193–209

The use of streptokinase to treat renal artery thromboembolism. Steckel A, et al. **Am J Kidney Dis** 1984 Sep;4(2):166–70

Implantable and external infusion pumps for the treatment of thromboembolic disease in outpatients. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1984 Feb;100(2):305–6

Use of a heparinoid in patients with hemorrhagic stroke and thromboembolic disease. Ten Cate H, et al. **Ann Neurol** 1984 Mar;15(3):268–70

Clinical and laboratory experiences with selective thrombolysis. Bookstein JJ. **Ann Radiol (Paris)** 1984 Apr–May;27(4):322–3

Role of intra-arterial streptokinase in treatment of arterial thromboembolism. Wolfson RH, et al. **Arch Surg** 1984 Jun; 119(6):697–702

Annotation. Thromboembolism in pregnancy and its management. Letsky E, et al. **Br J Haematol** 1984 Aug; 57(4):543–52 (54 ref.)

Intraarterial infusion of low-dose streptokinase after acute thromboembolization of the right renal artery. Contractor FM, et al. **Cardiovasc Intervent Radiol** 1984;7(1):21–3

Adjusting heparin infusion rates from the initial response to activated coagulation time. Hattersley PG, et al. **Drug Intell Clin Pharm** 1983 Sep;17(9):632–4

Laboratory control of urokinase therapy at low or moderate dosages. An in-vitro study. Musumeci V, et al. **Haemostasis** 1983;13(5):316–21

Thrombolytic therapy. Jacobs J. **NC Med J** 1984 May; 45(5):296–301

Low-dose streptokinase for selective thrombolysis: systemic effects and complications. Graor RA, et al. **Radiology** 1984 Jul;152(1):35–9

Catheter-directed low dose streptokinase infusion: a preliminary experience. Risius B, et al. **Radiology** 1984 Feb; 150(2):349–55

[Value of the sequential treatment with defibrinating agents and plasminogenic urokinase in thromboembolic disease] Charbonnier B, et al. **Agressologie** 1983 Nov;24(11):587–90 **(Fre)**

[Clinical use of thrombolytic agents] Laprevote-Heully MC, et al. **Agressologie** 1983 Nov;24(11):559–65 (74 ref.) (Eng. Abstr.) **(Fre)**

[Heparin treatment of thromboembolic complications] Samama M, et al. **Agressologie** 1983 Nov;24(10):495–500 (29 ref.) (Eng. Abstr.) **(Fre)**

[Regional lytic therapy of acute renal artery obstruction (letter)] Karnik R, et al. **Dtsch Med Wochenschr** 1984 Mar 2;109(9):356–7 **(Ger)**

[Recent developments in the field of fibrinolytics and anticoagulants] Lechner K, et al. **Internist (Berlin)** 1984 Feb;25(2):82–7 **(Ger)**

[Low-dose calcium heparin in the prevention of postoperative thromboembolic disease in gynecology] Tropeano G, et al. **Minerva Ginecol** 1983 Dec;35(12):793–8 (Eng. Abstr.) **(Ita)**

[Case of mitral stenosis with regression and elimination of left atrial thrombus after combined therapy of urokinase, dipyridamole and aspirin] Asano H, et al. **Kokyu To Junkan** 1983 Nov;31(11):1259–63 (Eng. Abstr.) **(Jpn)**

[Clinical pharmacology of drugs used in thromboembolism] Orzechowska-Juzwenko K. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1663–7 **(Pol)**

[Intra-arterial transcatheteral infusion therapy] Rabkin IKh, et al. **Sov Med** 1983;(7):69–74 (60 ref.) **(Rus)**

[Anticoagulant therapy. Practical recommendations for its use] Iturbe Alessio I, et al. **Arch Inst Cardiol Mex** 1984 May–Jun;54(3):293–6 **(Spa)**

ETIOLOGY

Thromboembolism in orthopaedic surgery. Bergqvist D, et al. **Acta Orthop Scand** 1984 Jun;55(3):247–50

Postoperative thromboemboli in cystathionine beta-synthase deficiency. Jackson GM, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):627–8

Postoperative thromboembolism and risk factors in elective hip surgery. Suomalainen O, et al. **Ann Chir Gynaecol** 1983; 72(4):207–13

Thromboembolism in patients with atrial fibrillation. Sherman DG, et al. **Arch Neurol** 1984 Jul;41(7):708–10

Thromboembolic complications in Cushing's syndrome. Small M, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):503–11

Bioprostheses: thromboembolic events in prosthetic valves. Working Group of the European Society of Cardiology on the Evaluation of Prosthetic Valves. 15–16 December, 1983, Paris, France. Abstracts. **Eur Heart J** 1983 Dec;4 Suppl I:1–32

Antithrombin III deficiency: clinical aspects. Nagy I. **Haematologia (Budap)** 1984;17(1):87–91

Blood coagulation alterations and thromboembolism in Crohn's disease. Leardi S, et al. **Ital J Surg Sci** 1983; 13(3):197–201

Persistent antithrombin III deficiency: risk factor for thromboembolic complications in neonates small for gestational age. Peters M, et al. **J Pediatr** 1984 Aug; 105(2):310–4

Thromboembolism and bleeding after mitral valve replacement with porcine valves: influence of thromboembolic risk factors. Gonzalez-Lavin L, et al. **J Surg Res** 1984 May;36(5):508–15

The risk of thromboembolism and hemorrhage following

mitral valve replacement. A comparative analysis between the porcine xenograft valve and Ionescu-Shiley bovine pericardial valve. Gonzalez-Lavin L, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):340-51

The incidence of thromboembolism and the hemocoagulative background in patients with rheumatic heart disease. Fukuda Y, et al. **Jpn Circ J** 1984 Jan;48(1):59-66

Diagnosis and treatment of recurrent venous thromboembolism. Shattil SJ. **Med Clin North Am** 1984 May;68(3):577-600 (112 ref.)

Surgical, infectious and thromboembolic complications of central venous catheterization. Malatinský J, et al. **Resuscitation** 1983 Aug;10(4):271-81

Thromboembolic complications of knee arthroscopy [letter] Dunn PM, et al. **West J Med** 1984 Feb;140(2):291

Thromboembolic complications after renal transplantation: a retrospective analysis. Arnadottir M, et al. **World J Surg** 1983 Nov;7(6):757-61

[Atrial fibrillation. Risk of thromboembolic complications and their prevention] Petersen P, et al. **Ugeskr Laeger** 1984 Mar 12;146(11):789-92 (Eng. Abstr.) **(Dan)**

[Thromboembolic complications during total hip replacement arthroplasty (240 cases)] Pidhorz L, et al. **Agressologie** 1983 Nov;24(10):519-21 (Eng. Abstr.) **(Fre)**

[A rare cause of recurring thromboembolism: retroperitoneal cystic lymphangioma] Desoutter P, et al. **Ann Radiol (Paris)** 1983 Sep-Oct;26(6):522-4 (Eng. Abstr.) **(Fre)**

[Spontaneous thrombocyte aggregation in patients with ischemic cardiopathy. Effect of anti-aggregant treatment on thrombocyte function and other coagulation factors] Niţă I, et al. **Med Interne** 1984 Apr-Jun;22(2):113-22 **(Fre)**

[Severe thromboembolic complications following lumbar spinal phlebography] Gatti P, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2705-7 (Eng. Abstr.) **(Fre)**

[Evaluation of the risk of thromboembolic complications during major surgical procedures] Roggendorf H, et al. **Med Welt** 1983 Dec 9;34(49):1392-5 **(Ger)**

[Vascular and ocular complications in a child with homocystinuria] Leuenberger S, et al. **Schweiz Med Wochenschr** 1984 Jun 2;114(22):793-8 (Eng. Abstr.) **(Ger)**

[Beta-thromboglobulin and platelet regeneration time in children with mitral valve prolapse] Cudillo L, et al. **G Ital Cardiol** 1983 Oct;13(10):215-8 (Eng. Abstr.) **(Ita)**

[Thromboembolic disease in patients with ulcerative colitis. Treatment and prevention] Carlsen E, et al. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1759-61 (Eng. Abstr.) **(Nor)**

[Thromboembolic disease. Pathogenetic aspects and therapeutic implications] Scrobohaci ML. **Rev Med Interna [Med Interna]** 1984 Jan-Feb;36(1):49-56 **(Rum)**

FAMILIAL & GENETIC

Purification and characterization of hereditary abnormal antithrombin III with impaired thrombin binding. Jørgensen M, et al. **J Lab Clin Med** 1984 Aug;104(2):245-56

Plasminogen Paris I: congenital abnormal plasminogen and its incidence in thrombosis. Soria J, et al. **Thromb Res** 1983 Oct 15;32(2):229-38

IMMUNOLOGY

Thromboembolism in patients with the 'lupus'-type circulating anticoagulant. Elias M, et al. **Arch Intern Med** 1984 Mar;144(3):510-5

MICROBIOLOGY

Bacterial presence in aortic thrombus at elective aneurysm resection: is it clinically significant? McAuley CE, et al. **Am J Surg** 1984 Mar;147(3):322-4

MORTALITY

Mortality after total hip replacement [letter] Pierron RL. **Clin Orthop** 1984 Jan-Feb;(182):305-8

OCCURRENCE

Frequency and embolic potential of left ventricular thrombus in dilated cardiomyopathy: assessment by 2-dimensional echocardiography. Gottdiener JS, et al. **Am J Cardiol** 1983 Dec 1;52(10):1281-5

[Late thromboembolic complications after the surgical correction of mitral-aortic-tricuspid heart defects] Dubrovskiĭ VS, et al. **Sov Med** 1984;(6):17-22 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Paradoxical embolus in pregnancy. An unusual thromboembolic event. Effeney DJ, et al. **West J Med** 1984 Feb;140(2):287-8

[Surgical tactics in gangrene of the limb caused by acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):112-7 **(Rus)**

PHYSIOPATHOLOGY

Do patients with thromboembolic disease have circulating platelet aggregates? Kohanna FH, et al. **Blood** 1984 Jul; 64(1):205-9

[Role of blood platelets in microcirculatory disorders] Scharf RE, et al. **Dtsch Med Wochenschr** 1984 Feb 24; 109(8):306-13 **(Ger)**

[Total prosthesis obstruction and survival by periprosthetic leakage (letter)] Rubio Alvarez J, et al. **Med Clin (Barc)** 1983 May 21;80(18):816-7 **(Spa)**

PREVENTION & CONTROL

Calf compression for prevention of thromboembolism following hip surgery. Ohlund C, et al. **Acta Orthop Scand** 1983 Dec;54(6):896-9

Prevention of thromboembolism using aspirin after mitral valve replacement with porcine bioprosthesis. Nuñez L, et al. **Ann Thorac Surg** 1984 Jan;37(1):84-7

The risks of antenatal subcutaneous heparin prophylaxis: a controlled trial. Howell R, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1124-8

On thrombo-embolism after total hip replacement in epidural analgesia: a controlled study of dextran 70 and low-dose heparin combined with dihydroergotamine. Fredin HO, et al. **Br J Surg** 1984 Jan;71(1):58-60

New drugs: antithrombotic treatment [letter] Marsh BT, et al. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1800

Ambulator mobilization against thromboembolism [letter] Pfister CW. **Chest** 1984 May;85(5):713-4

Low-dose heparin prophylaxis in medical patients. Gapany-Gapanavicius M, et al. **Compr Ther** 1983 Oct; 9(10):57-60

Failure of sulphinpyrazone to affect platelet survival in patients with rheumatic heart valvular disease: a double blind study using 75Se-methionine labeled platelets. Fabris F, et al. **Folia Haematol (Leipz)** 1983;110(4):594-601

The effect of preclotting on surface thrombogenicity and thromboembolic complications of Dacron grafts in the canine thoracic aorta. Gloviczki P, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):253-8

Lupus anticoagulant and pregnancy management [letter] Farquharson RG, et al. **Lancet** 1984 Jul 28;2(8396):228-9

Progress in preventing venous thromboembolism [editorial] Salzman EW. **N Engl J Med** 1983 Oct 20;309(16):980-2

Prevention of post-operative venous thromboembolism by a new low molecular weight heparin fraction. Kakkar VV. **Nouv Rev Fr Hematol** 1984;26(4):277-82

[Postoperative prevention of thrombosis - a review] Wille-Jørgensen P, et al. **Nord Med** 1983;98(12):302-4 **(Dan)**

[Hemodilution and prevention of postoperative thromboembolic disease] Borgo J, et al. **Agressologie** 1983 Dec;24(12):621-7 (Eng. Abstr.) **(Fre)**

[Prevention of venous thromboembolism. Criticism of methods. Apropos of a national survey] Bourde C. **Agressologie** 1983 Nov;24(10):531-3 (Eng. Abstr.) **(Fre)**

[3 1/2-year evaluation of prolonged hemodilution] Duruble M. **Agressologie** 1983 Dec;24(12):629-31 (Eng. Abstr.) **(Fre)**

[Prevention of thromboembolism with dextran] Gruber UF, et al. **Agressologie** 1983 Dec;24(12):617-20 (22 ref.) (Eng. Abstr.) **(Fre)**

[Prevention of thromboembolism in paraplegics] Hachen HJ. **Agressologie** 1983 Nov;24(10):527-30 (Eng. Abstr.) **(Fre)**

[Thromboembolic complications following hip arthroplasty. Role of systematic heparin therapy (130 cases)] Raimbeau G, et al. **Ann Chir** 1983 May;37(4):291-5 (Eng. Abstr.) **(Fre)**

[Prevention of the thromboembolic risk during the operative period in a patient with a congenital antithrombin III deficiency] Franceschi A, et al. **Ann Fr Anesth Reanim** 1983;2(6):420-2 (Eng. Abstr.) **(Fre)**

[Thrombo-embolic disease of pregnancy. Methods and indications for surgical prevention] Le Coutour X, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(7):779-87 (Eng. Abstr.) **(Fre)**

[Phlebography after total prosthesis. Action of subcutaneous sodium heparin in the prevention of thromboembolism. Results of therapeutic research with subcutaneous sodium heparin using 2 protocols in 250 patients monitored with phlebography] Planès A, et al. **Rev Chir Orthop** 1984; 70(1):11-20 (Eng. Abstr.) **(Fre)**

[Disposition to thrombosis and thromboembolism prophylaxis with heparin/dihytamine in hip surgery] Liedloff H, et al. **Beitr Orthop Traumatol** 1983 Sep;30(9):458-64 (Eng. Abstr.) **(Ger)**

[Prevention of thromboembolism using drugs in operative medicine (letter)] Rasche H. **Dtsch Med Wochenschr** 1983 Dec 23;108(51-52): 1983-4 **(Ger)**

[5 years' general drug prevention of thromboembolism in general surgery. Comparison of personal experiences with results from the literature] Voigt J, et al. **Fortschr Med** 1984 May 24;102(20):562-4 (Eng. Abstr.) **(Ger)**

[Thromboembolism prevention in surgical medicine: heparin or heparin-dihydroergotamine?] Rasche H, et al. **Langenbecks Arch Chir** 1983;360(2):81-95 (Eng. Abstr.) **(Ger)**

[Thromboembolism prevention with low-dose heparin in surgical medicine] Rasche H, et al. **MMW** 1983 Sep 16; 125(37):793-5 **(Ger)**

[The value of heparin-dihydergot in the prevention of thromboembolic complications] Kuster B, et al. **Schweiz Med Wochenschr** 1984 Mar 10;114(10):322-32 (105 ref.) (Eng. Abstr.) **(Ger)**

[Antithrombin III in hip surgery] Weber U, et al. **Z Orthop** 1984 Jan-Feb;122(1):16-9 (Eng. Abstr.) **(Ger)**

[Prevention of postoperative thromboembolism with a heparin- dihydroergotamine combination] Sándor T, et al. **Orv Hetil** 1984 Feb 26;125(9):519-24 (Eng. Abstr.) **(Hun)**

[Mini-doses of heparin in the endoscopic resection of the prostate] Netto Júnior NR, et al. **Rev Paul Med** 1983 May-Jun;101(3):100-2 (Eng. Abstr.) **(Por)**

[Preoperative prevention of postoperative thromboembolic complications] Sernevich PG. **Klin Khir** 1984 Mar;(3):56-7 **(Rus)**

[Complications of the electrical reversal of sinus rhythm and their prevention] Bulynin VI, et al. **Klin Med (Mosk)** 1984 Mar;62(3):107-10 (Eng. Abstr.) **(Rus)**

[Aggregational properties of the formed elements of the blood and their significance in surgical clinical practice] Lytkin NI, et al. **Vestn Khir** 1984 Apr;132(4):9-14 (Eng. Abstr.) **(Rus)**

[Prevention of thromboembolic complications in cerebro-vascular patients (letter)] Monreal M, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):183-4 **(Spa)**

RADIOGRAPHY

Computerized tomography in chronic thromboembolic pulmonary hypertension. Kereiakes DJ, et al. **Am Heart J** 1983 Dec;106(6):1432-6

Diagnosis of thromboembolic pulmonary hypertension [letter] Kereiakes DJ, et al. **Ann Intern Med** 1983 Dec; 99(6):880

RADIONUCLIDE IMAGING

Scintigraphic visualization of haemostatic and thromboembolic processes using 111Indium-labelled platelets. Schmidt KG, et al. **Acta Med Scand** 1984; 215(2):173-80

The natural history of postoperative venous thromboemboli in gynecologic oncology: a prospective study of 382 patients. Clarke-Pearson DL, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1051-4

Perfusion lung scans vs pulmonary angiography in evaluation of suspected primary pulmonary hypertension. Fishman AJ, et al. **Chest** 1983 Dec;84(6):679-83

SURGERY

Laterally directed femoral bypass. Gyurkó G. **Acta Chir Hung** 1983;24(2):59-65

Thromboembolectomy of arteries explored at the ankle. Youkey JR, et al. **Ann Surg** 1984 Mar;199(3):367-71

Clinical thromboembolism, atrial dysrhythmia and left atrial thrombus in surgically treated patients with mitral valve disease. Vijayanagar R, et al. **Indian Heart J** 1984 Mar-Apr; 36(2):95-7

[Embolism of the renal artery] Hübner R, et al. **Zentralbl Chir** 1983;108(22):1445-50 **(Ger)**

[Pathogenesis and prevention of the revascularization syndrome] Matsubara J, et al. **Nippon Geka Gakkai Zasshi** 1983 Dec;84(12):1286-90 (Eng. Abstr.) **(Jpn)**

[Treatment of patients with acute disorders of mesenteric circulation] Gagarin VV. **Khirurgiia (Mosk)** 1984 May; (5):35-7 (Eng. Abstr.) **(Rus)**

[Surgical tactics in gangrene of the limbs as a complication of acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):111-6 **(Rus)**

[Surgical tactics in acute thromboembolism of the abdominal aorta and major arteries of the extremities] Shalimov AA, et al. **Klin Khir** 1984 Jul;(7):1-5 (Eng. Abstr.) **(Rus)**

[Transluminal arterial dilatation in the surgical treatment of acute arterial occlusion] Vakhidov AV, et al. **Vestn Khir** 1984 Jun;132(6):33-6 (Eng. Abstr.) **(Rus)**

THERAPY

Diffuse arterial narrowing after thromboembolectomy with the Fogarty balloon catheter. Greenwood LH, et al. **AJR** 1984 Jan;142(1):141-2

Management of thromboembolism. Anticoagulants, thrombolytics, or surgical intervention? Kinasewitz GT, et al. **Chest** 1984 Jul;86(1):106-11

Thromboembolic complications of pregnancy. Bolan JC. **Clin Obstet Gynecol** 1983 Dec;26(4):913-22

VETERINARY

What is your diagnosis? Heartworm disease with thromboembolism and vena caval syndrome. Lewis DD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):227-8

THROMBOLYTIC AGENTS see **FIBRINOLYTIC AGENTS**

THROMBOPENIA

Neonatal thrombocytopenia. Andrew M, et al. **Clin Perinatol** 1984 Jun;11(2):359-91 (282 ref.)

The effect of thrombocytopenia on the ultrastructure and reaction to injury of vascular endothelium. Miles RG, et al. **Microvasc Res** 1983 Nov;26(3):273-90

BLOOD

Discriminant study of platelet volume indices in the etiological diagnosis of thrombocytopenia. Dumoulin-Lagrange M, et al. **Acta Haematol (Basel)** 1984;

71(1):25–31
The relationship among platelet-associated IgG, platelet lifespan, and reticuloendothelial cell function. Kelton JG, et al. **Blood** 1984 Jun;63(6):1434–8
Intrarenal blood coagulation induced by ischemia in rats. Heparin and thrombocytopenia does not prevent the intracortical fibrin formation. Losonczy G Jr. **Thromb Res** 1984 Apr 1;34(1):87–92
[Infection and blood coagulation (infection from the viewpoint of the hemostaseologist)] Heinrich D. **Beitr Infusionther Klinis Ernahr** 1983;10:25–41 **(Ger)**
[Studies on the platelet volume in children with thrombocytopenia] Shirahata A, et al. **Rinsho Ketsueki** 1984 Mar;25(3):313–21 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Acute thrombocytopenia following ingestion of indomethacin. Camba L, et al. **Acta Haematol (Basel)** 1984; 71(5):350–2
Benzodiazepine-induced thrombocytopenia. Demonstration of drug-dependent platelet antibodies in two cases. Conti L, et al. **Acta Haematol (Basel)** 1983;70(6):386–8
Severe thrombocytopenia following oral cholecystography with iocetamic acid [letter] Ozsoylu S. **Am J Hematol** 1984 Jan;16(1):103
The effect of lithium carbonate on chemotherapy-induced neutropenia and thrombocytopenia. Richman CM, et al. **Am J Hematol** 1984 May;16(4):313–23
Procainamide-induced thrombocytopenia. Rosenstein R, et al. **Am J Hematol** 1984 Feb;16(2):181–3
Heterogeneity of heparin lots associated with thrombocytopenia and thromboembolism. Stead RB, et al. **Am J Med** 1984 Jul;77(1):185–8
Heparin-associated thrombocytopenia [letter] **Ann Intern Med** 1984 Aug;101(2):279–80
Hematologic adverse effects of aminoglutethimide [letter] Buzdar AU, et al. **Ann Intern Med** 1984 Jan;100(1):159
Agranulocytosis, thrombocytopenia, and procainamide [letter] Christensen DJ, et al. **Ann Intern Med** 1984 Jun; 100(6):918
Thrombocytopenia and mexiletine [letter] Fasola GP, et al. **Ann Intern Med** 1984 Jan;100(1):162
Pseudothrombocytopenia and mexiletine [letter] Girmann G, et al. **Ann Intern Med** 1984 May;100(5):767
Ampicillin and hematologic effects [letter] Hughes GS Jr. **Ann Intern Med** 1983 Oct;99(4):573
Heparin-associated thrombocytopenia. King DJ, et al. **Ann Intern Med** 1984 Apr;100(4):535–40 (64 ref.)
Heparin and thrombocytopenia [letter] Ramirez-Lassepas M, et al. **Ann Intern Med** 1984 Apr;100(4):613
Thrombocytopenia and heparin-associated thrombosis [letter] Trono DP, et al. **Ann Intern Med** 1984 Mar; 100(3):464–5
Amrinone-induced thrombocytopenia. Ansell J, et al. **Arch Intern Med** 1984 May;144(5):949–52
Quinidine-induced thrombocytopenia and leukopenia: demonstration and characterization of distinct antiplatelet and antileukocyte antibodies. Chong BH, et al. **Blood** 1983 Dec;62(6):1218–23
Incidence of thrombocytopenia and serious hemorrhage among patients with solid tumors. Dutcher JP, et al. **Cancer** 1984 Feb 1;53(3):557–62
Thrombocytopenia after combination therapy with aminoglutethimide and tamoxifen: which drug is to blame? Ragaz J, et al. **Cancer Treat Rep** 1984 Jul–Aug; 68(7–8):1015–6
Gold-induced thrombocytopenia: detection of anti-platelet antibody. Armstrong RD, et al. **Clin Rheumatol** 1983 Jun; 2(2):183–8
Severe thrombocytopenia following the administration of aminoglutethimide. Katz ME. **Conn Med** 1984 Jul; 48(7):423–4
Thrombocytopenia associated with moxalactam administration. Au JP, et al. **Drug Intell Clin Pharm** 1984 Feb;18(2):140–2
Heparin-induced thrombocytopenia—association with a platelet aggregating factor and cross-sensitivity to bovine and porcine heparin. Guay DR, et al. **Drug Intell Clin Pharm** 1984 May;18(5):398–401
Carbamazepine-induced thrombocytopenia, rash, and hepatic dysfunction. Ponte CD. **Drug Intell Clin Pharm** 1983 Sep; 17(9):642–4
Phase I clinical trial of a new anthracycline: 4'-o-tetrahydropyranyl adriamycin. Ogawa M, et al. **Invest New Drugs** 1983;1(2):169–72
Thrombocytopenia associated with carbamazepine: case report and review. Baciewicz G, et al. **J Clin Psychiatry** 1984 Jul;45(7):315–6
Neuroleptic drug-induced changes in platelet levels. Holt RJ. **J Clin Psychopharmacol** 1984 Jun;4(3):130–2
Clinical usefulness of testing for a heparin-dependent platelet-aggregating factor in patients with suspected heparin-associated thrombocytopenia. Kelton JG, et al. **J Lab Clin Med** 1984 Apr;103(4):606–12
Heparin-induced thrombocytopenia in pregnancy. A case report. Hatjis CG. **J Reprod Med** 1984 May;29(5):337–8
Gold induced thrombocytopenia: platelet associated IgG and HLA typing in three patients. Adachi JD, et al. **J Rheumatol** 1984 Jun;11(3):355–7
Thiotepa-induced myelosuppression: review of 670 bladder instillations. Soloway MS, et al. **J Urol** 1983 Nov; 130(5):889–91
Use of low-molecular-weight heparin in heparin-induced thrombocytopenia with thrombotic complications [letter] Roussi JH, et al. **Lancet** 1984 May 26;1(8387):1183
Bleomycin-induced early-onset transient decrease in platelet counts. Verwey J, et al. **Neth J Med** 1984;27(6):202–5
Heparin-induced thrombocytopenia in patients with cerebrovascular ischemic disease. Ramirez-Lassepas M, et al. **Neurology (NY)** 1984 Jun;34(6):736–40
Heparin induced thrombocytopenia. Variable platelet-rich plasma reactivity to heparin dependent platelet aggregating factor. Salem HH, et al. **Pathology** 1983 Jul;15(3):297–9
Amrinone-mediated thrombocytopenia. Kinney EL, et al. **Scand J Haematol** 1983 Oct;31(4):376–80
Persistent heparin induced thrombocytopenia despite therapy with low molecular weight heparin [letter] Horellou MH, et al. **Thromb Haemost** 1984 Feb 28;51(1):134
Critical ischemia during heparin-induced thrombocytopenia. Treatment by intra-arterial streptokinase. Fiessinger JN, et al. **Thromb Res** 1984 Jan 15;33(2):235–8
Studies on the frequency of heparin-associated thrombocytopenia. Powers PJ, et al. **Thromb Res** 1984 Feb 15;33(4):439–43
[Thrombopenia induced by heparin] Allal J, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):269–72 (Eng. Abstr.) **(Fre)**
[Thrombopenia induced by heparin] Guillin MC. **Ann Chir** 1984 Mar;38(2):114–8 (54 ref.) (Eng. Abstr.) **(Fre)**
[Problems caused by heparin-induced thrombopenia in a cardiovascular surgery department] Pansard Y, et al. **Ann Chir** 1984 Mar;38(2):119–23 (Eng. Abstr.) **(Fre)**
[Thrombogenic thrombopenia induced by heparin] Homareau C, et al. **Ann Fr Anesth Reanim** 1984;3(4):315–7 (Eng. Abstr.) **(Fre)**
[Major thrombopenia induced by heparin treatment. Apropos of 8 cases] Faivre R, et al. **Ann Med Interne (Paris)** 1983; 134(8):702–6 (Eng. Abstr.) **(Fre)**
[Severe thrombopenias during heparin therapy. A phenomenon of intra-vascular platelet aggregation] Faivre R, et al. **Arch Mal Coeur** 1983 Oct;76(10):1178–86 (Eng. Abstr.) **(Fre)**
[Thrombopenia induced by heparin. Apropos of 10 cases] Parent Y, et al. **J Mal Vasc** 1983;8(3):215–9 (Eng. Abstr.) **(Fre)**
[Success of treatment with a low-molecular-weight heparin fraction in a case of pulmonary embolism complicated by heparin-induced thrombopenia] Roussi J, et al. **Nouv Rev Fr Hematol** 1983;25(4):273–4 (Eng. Abstr.) **(Fre)**
[Myocardial infarction and caval thrombosis associated with heparin-induced thrombopenia (letter)] Bache R, et al. **Presse Med** 1984 Apr 14;13(16):1006 **(Fre)**
[Thrombopenia induced by standard heparin. Therapeutic value of low-molecular weight heparin (letter)] Boumier P, et al. **Presse Med** 1983 Oct 22;12(37):2335 **(Fre)**
[Acute renal insufficiency and recurrent thrombopenia caused by crossed intolerance to ibuprofen and fenoprofen (letter)] de la Coussaye JE, et al. **Presse Med** 1983 Nov 26;12(43):2764 **(Fre)**
[Lethal thrombopenia following heparin (letter)] Kchouk H, et al. **Presse Med** 1983 Dec 24;12(47):3002 **(Fre)**
[Disseminated intravascular coagulation in heparin-induced thrombopenia] Faivre R, et al. **Rev Med Interne** 1984 Mar; 5(1):62–4 **(Fre)**
[Use of prednisolone pulse therapy in severe drug disease due to D-penicillamine] Khabibulin IM, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar;(1):58–60 **(Rus)**
[Thrombocytopenia associated with the prophylactic use of heparin (letter)] de Celis G, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):86–7 **(Spa)**
[Apropos of 2 new cases of thrombocytopenia associated with heroin consumption (letter)] Gastearena Erice J, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):424 **(Spa)**

COMPLICATIONS

Thrombocytopenia and carcinoma [letter] **Ann Intern Med** 1984 Apr;100(4):612–3
Haemangioma with thrombocytopenia (Kasabach-Merritt syndrome). David TJ, et al. **Arch Dis Child** 1983 Dec; 58(12):1022–3
Inclusion body myositis and chronic immune thrombocytopenia. Riggs JE, et al. **Arch Neurol** 1984 Jan; 41(1):93–5
A platelet release defect induced by aspirin or penicillin G does not increase gastrointestinal blood loss in thrombocytopenic rabbits. Giles AR, et al. **Br J Haematol** 1984 May;57(1):17–23
Severe thrombocytopenia associated with acute folic acid deficiency and severe hemorrhage in two patients. Easton DJ. **Can Med Assoc J** 1984 Feb 15;130(4):418–20, 422
Kaposi's sarcoma and autoimmune thrombocytopenia. Modlin RL, et al. **Cancer Invest** 1984;2(2):97–101
Combined autoimmune neutro- and thrombocytopenia. Schneider H, et al. **Eur J Pediatr** 1984 Aug;142(3):216–9
Thyrotoxicosis associated with thrombocytopenia. Jim RT. **Hawaii Med J** 1984 May;43(5):156, 158
Acute surgical abdomen caused by thrombocytopenia in patients with acute leukemia and multiple myeloma. Kornberg A, et al. **Isr J Med Sci** 1983 Dec;19(12):1094–6
Dysplasia of the knee associated with the syndrome of thrombocytopenia and absent radius. Schoenecker PL, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):421–7
Thrombocytopenia of neonatal cold injury. Cohen IJ, et al. **J Pediatr** 1984 Apr;104(4):620–2
Cardiopulmonary bypass with a low-molecular-weight heparin fraction [letter] Gouault-Heilmann M, et al. **Lancet** 1983 Dec 10;2(8363):1374
Nose bleeds in the hematologically and immunologically compromised child. Koltai PJ. **Laryngoscope** 1984 Aug; 94(8):1114–5
The haemogram in the diagnosis of acute typhoid fever—with special reference to thrombocytopenia. Yap PK, et al. **Singapore Med J** 1983 Jun;24(3):161–2
A case of autoimmune hemolytic anemia following thrombocytopenia. Gürgey A, et al. **Turk J Pediatr** 1983 Jan–Mar;25(1):63–7
[Periodic thrombocytopenia occurring during the incubation period of measles] Kudo Y, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1355–60 (Eng. Abstr.) **(Jpn)**
[LH-RH analog in hypermenorrhea with severe thrombocytopenia] Yagita M, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1295–302 (Eng. Abstr.) **(Jpn)**
[Telangiectatic granuloma of the oral cavity in chronic thrombopenia] Badurowa A, et al. **Wiad Lek** 1983 Sep 15; 36(18):1541–4 (Eng. Abstr.) **(Pol)**
[Thrombocytopenia in septicemic processes] Nicodemo AC, et al. **Rev Paul Med** 1984 Mar–Apr;102(2):51–5 (Eng. Abstr.) **(Por)**
[Characteristics of the pathogenesis of the hemorrhagic syndrome in viral hepatitis and the icteric form of leptospirosis] Shuvalova EP, et al. **Klin Med (Mosk)** 1984 May;62(5):93–6 **(Rus)**

CONGENITAL

[Thrombopenia associated with bone and cardiac malformations: an equivalent of the radial aplasia-thrombopenia syndrome] Delacour JL, et al. **Rev Med Interne** 1983 Dec;4(4):363–4 **(Fre)**
[Placental chorioangioma and neonatal intracranial hemorrhage] López-Herce Cid J, et al. **An Esp Pediatr** 1983 Nov;19(5):405–6 **(Spa)**

DIAGNOSIS

Anticoagulants, platelets, and instrument problems [letter] Rabinovitch A. **Am J Clin Pathol** 1984 Jul;82(1):132–3
Preeclampsia. Ogle ME, et al. **Ann Emerg Med** 1984 May; 13(5):368–70
Idiopathic thrombocytopenia, initial illness and long term follow up. Walker RW, et al. **Arch Dis Child** 1984 Apr; 59(4):316–22
Immune thrombocytopenias. Aster RH. **Hosp Pract** 1983 Nov;18(11):187–90, 194–5, 198–9 passim
Spurious leukocytosis and thrombocytopenia. A dual phenomenon caused by clumping of platelets in vitro. Solanki DL, et al. **JAMA** 1983 Nov 11;250(18):2514–5
Pseudothrombocytopenia: a laboratory artifact with potentially serious consequences. Payne BA, et al. **Mayo Clin Proc** 1984 Feb;59(2):123–5
The diagnosis and treatment of thrombocytopenia and intravascular coagulation in late prepgancy. Crowley JP. **RI Med J** 1983 Aug;66(8):319–22
Evaluation of automated platelet counters for the enumeration and sizing of platelets in the diagnosis and management of hemostatic problems. Dumoulin-Lagrange M, et al. **Semin Thromb Hemost** 1983 Oct;9(4):235–44 (55 ref.)
[Pseudothrombocytopenia] Tilvis R, et al. **Duodecim** 1984; 100(8):483–7 **(Fin)**
[Thrombocytopenias and thrombocytopathies in the newborn infant] Maak B, et al. **Kinderarztl Prax** 1984 Jan;52(1):15–27 (Eng. Abstr.) **(Ger)**
[Pseudothrombocytopenia and automatic counters (letter)] Carotenuto M, et al. **Haematologica (Pavia)** 1983 Jul–Aug; 68(4):563–4 **(Ita)**

DRUG THERAPY

Intravenous pulse methylprednisolone in chronic idiopathic thrombocytopenia. Menichelli A, et al. **Arch Dis Child** 1984 Aug;59(8):777–9
Use of low-molecular-weight heparin in heparin-induced thrombocytopenia with thrombotic complications [letter] Roussi JH, et al. **Lancet** 1984 May 26;1(8387):1183
Long-term follow-up study of 168 patients with immune thrombocytopenia. Implications for therapy. den Ottolander GJ, et al. **Scand J Haematol** 1984 Jan; 32(1):101–10
Haemostatic effect of prednisolone in thrombocytopenia. Freund LG, et al. **Scand J Haematol** 1983 Nov;31(5):485–7
[Thrombocytopenia. A review with special reference to the therapeutic value of glucocorticoids] Freund LG, et al. **Ugeskr Laeger** 1983 Oct 3;145(40):3073–7 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Thrombocytopenia in preeclampsia: associated abnormalities and management principles. Thiagarajah S, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):1–7
Thrombocytopenia and renal failure in leptospirosis. Raoult D, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1464
Thrombocytopenia and extragonadal germ-cell neoplasm [letter] Helman LJ, et al. **Ann Intern Med** 1984 Aug; 101(2):280

Thrombokinetics in patients with rheumatoid arthritis treated with D-penicillamine. Thomas D, et al. **Ann Rheum Dis** 1984 Jun;43(3):402–6

RBC fragmentation and thymoma. Rauch AE, et al. **Arch Intern Med** 1984 Jun;144(6):1280–2

The significance of thrombocytopenia in systemic lupus erythematosus. Miller MH, et al. **Arthritis Rheum** 1983 Oct; 26(10):1181–6

Leiomyoma presenting as prolonged fever, anemia, and thrombocytosis. Witt JH, et al. **Cancer** 1983 Dec 15; 52(12):2359–62

The spleen and thrombocytopenia. Karpatkin S. **Clin Haematol** 1983 Jun;12(2):591–604 (56 ref.)

Sarcoidosis presenting with severe thrombocytopenia and arthritis. Swaak AJ, et al. **Clin Rheumatol** 1982 Sep; 1(3):212–5

Computed tomography and radiotherapy in giant hemangioma with thrombocytopenia. Shah K. **Comput Radiol** 1983 Sep–Oct;7(5):319–22

Comparison of the sterility of long-term central venous catheterization using single lumen, triple lumen, and pulmonary artery catheters. Miller JJ, et al. **Crit Care Med** 1984 Aug;12(8):634–7

Thrombocytopenia and gastrointestinal hemorrhage in the cancer patient: prevalence of unmasked lesions. Chu DZ, et al. **Gastrointest Endosc** 1983 Nov;29(4):269–72

A Jehovah's Witness with thrombocytopenia. Asbill MC, et al. **Hosp Pract [Off]** 1984 Sep;19(9):82CC, 82GG, 82KK passim

Thrombocytopenia induced by pulmonary artery flotation catheters. A prospective study. Vicente Rull JR, et al. **Intensive Care Med** 1984;10(1):29–31

Thrombocytopenia in P. Falciparum infection [letter] Singh T, et al. **J Assoc Physicians India** 1983 May;31(5):323–4

Varicella-induced thrombocytopenia [letter] Ho-Yen DO, et al. **J Infect** 1984 May;8(3):274–6

Anemia and thrombocytopenia from Corynebacterium parvum-stimulated resistance against malaria, trypanosomiasis, and babesiosis. Cox HW, et al. **J Parasitol** 1983 Aug;69(4):654–9

Autoimmune thrombocytopenia acquired from allogeneic bone-marrow graft: compensated thrombocytopenia in bone marrow donor and recipient [letter] Waters AH, et al. **Lancet** 1983 Dec 17;2(8364):1430

Thrombocytopenia in the newborn. Gill FM. **Semin Perinatol** 1983 Jul;7(3):201–12 (48 ref.)

Malaria-induced immune thrombocytopenia. Sørensen PG, et al. **Vox Sang** 1984;47(1):68–72

Thrombocytopenia in Colorado tick fever [letter] Markovitz A. **West J Med** 1984 Apr;140(4):618

[Giant hemangioma with thrombocytopenia—report of 11 cases treated by radiotherapy] Li BX. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May;17(2):123–5 (Eng. Abstr.) **(Chi)**

[Severe neonatal thrombopenia. Analysis of the etiologic data on 64 cases] Ropert JC, et al. **Arch Fr Pediatr** 1984 Feb; 41(2):85–90 (Eng. Abstr.) **(Fre)**

[Thrombopenia associated with a case of uterine leiomyoma. Recovery after hysterectomy (letter)] Dine G, et al. **Presse Med** 1984 Jun 2;13(23):1459 **(Fre)**

[Conference at the Salpétrière Hospital, 5 January 1983. Progressive hemiplegia, splenomegaly and thrombocytopenia] Pertuiset BF, et al. **Rev Neurol (Paris)** 1984;140(2):148–53 **(Fre)**

[Fatal thrombocytopenia in infectious mononucleosis. Case report and overview of the literature] Kuhn M, et al. **Schweiz Rundsch Med Prax** 1984 Apr 24;73(17):543–6 (24 ref.) (Eng. Abstr.) **(Ger)**

[Thrombocytes and tumors] Schneider W, et al. **Z Gastroenterol** 1984 Feb;22(2):80–1 **(Ger)**

[Case of giant lymph node hyperplasia (Castleman) of the pelvic cavity with thrombocytopenia] Iizumi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1252–7 (Eng. Abstr.) **(Jpn)**

[Acute polyradiculoneuritis with thrombocytopenia following rubella infection] Fukayama M, et al. **Rinsho Ketsueki** 1983 Nov;24(11):1534–8 (Eng. Abstr.) **(Jpn)**

[Study of anemia and thrombopenia in Plasmodium berghei malaria] Iqfan T. **Rev Ig [Bacteriol]** 1984 Apr–Jun; 29(2):155–70 (Eng. Abstr.) **(Rum)**

[Autoimmune anemia and thrombopenia in mixed connective tissue disease] Talesnik E, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):101–4 (Eng. Abstr.) **(Spa)**

[Thrombopenia as a complication of the Swan-Gantz catheter (letter)] Moreno Millán E, et al. **Rev Esp Anestesiol Reanim** 1983 Nov–Dec;30(6):255 **(Spa)**

FAMILIAL & GENETIC

Familial hereditary thrombocytopenia and HLA. Naparstek Y, et al. **Am J Hematol** 1984 Aug;17(2):113–6

Morphological and biochemical confirmation of gray platelet syndrome in two siblings. Berndt MC, et al. **Aust NZ J Med** 1983 Aug;13(4):387–90

Familial thrombocytopenia associated with platelet autoantibodies and chromosome breakage. Helmerhorst FM, et al. **Hum Genet** 1984;65(3):252–6

Constitutional aplastic anaemia: a family with a new X linked variety of amegakaryocytic thrombocytopenia. Griffiths AD. **J Med Genet** 1983 Oct;20(5):361–4

Hereditary nephritis, deafness and thrombocytopenia. Case report and review. Thomas HS, et al. **Mo Med** 1984 Jun; 81(6):305–7, 311 (27 ref.)

Prenatal diagnosis of thrombocytopenia absent radius syndrome using ultrasound and fetoscopy. Filkins K, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):139–42

IMMUNOLOGY

Neonatal alloimmune thrombocytopenia. Case reports, diagnostic and therapeutic considerations. Brockmeier FK, et al. **Acta Paediatr Scand** 1983 Jul;72(4):583–7

Immunoregulatory abnormalities in Evans syndrome. Wang W, et al. **Am J Hematol** 1983 Dec;15(4):381–90

Immune thrombocytopenia associated with carcinoma. Bellone JD, et al. **Ann Intern Med** 1983 Oct;99(4):470–2

Intravenously administered 7S immunoglobulin (IgG) affords a rapid elevation of the platelet count [editorial] Imbach P, et al. **Blut** 1984 Jun;48(6):335–6

An animal model of alloimmune thrombocytopenia. I. The role of the mononuclear phagocytic system (MPS). Mylvaganam R, et al. **Clin Immunol Immunopathol** 1984 May;31(2):163–70

Platelet antigens. Kunicki TJ. **Prog Clin Biol Res** 1983; 133:31–46 (63 ref.)

IgM and IgG platelet antibodies in a case of infectious mononucleosis and severe thrombocytopenia. Kappers-Klunne MC, et al. **Scand J Haematol** 1984 Feb; 32(2):145–8

[Significance of quantitative determination of platelet-associated IgG in thrombocytopenia] Shen ZX. **Chung Hua Nei Ko Tsa Chih** 1983 Apr;22(4):222–4 (Eng. Abstr.) **(Chi)**

[Neonatal thrombopenia caused by antiPLA1 and HLA-DR3 antigen alloimmunization] Muller JY, et al. **C R Seances Acad Sci [III]** 1983;296(20):953–6 (Eng. Abstr.) **(Fre)**

[Thrombocytopenia and IgA deficiency] Zaunschirm A, et al. **Padiatr Padol** 1984;19(3):317–20 (Eng. Abstr.) **(Ger)**

[Immune thrombocytopenia in rectal cancer. Case report] Hauer RW, et al. **Z Gastroenterol** 1984 Feb;22(2):75–9 (Eng. Abstr.) **(Ger)**

[Laboratory diagnosis of immuno-thrombocytopenias (the immunobead test)] Pecze K, et al. **Orv Hetil** 1983 Jul 31; 124(31):1867–72 (Eng. Abstr.) **(Hun)**

[Evaluation of IgG bound to platelet membrane in patients with systemic lupus erythematosus] Acciaresi MS, et al. **Medicina (B Aires)** 1983;43(3):250–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Radial aplasia and amegakaryocytic thrombocytopenia (TAR syndrome) among Nigerian children. Adeyokunnu AA. **Am J Dis Child** 1984 Apr;138(4):346–8

Kaposi's sarcoma associated with hairy cell leukemia, immune thrombocytopenia, and opportunistic infection. Hocking W, et al. **Cancer** 1984 Jul 1;54(1):110–3

Nephrectomy abolishes the increase in small acetylcholinesterase-positive immature rat megakaryocytes induced by acute thrombocytopenia. McDonald TP, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):131–6

PHYSIOPATHOLOGY

[Analysis of platelet parameters and distribution curves obtained using the Coulter Counter Model S Plus in the physiopathological mechanism of thrombocytopenia and thrombocytosis] Marugan I, et al. **Sangre (Barc)** 1983; 28(6):711–23 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Controlled trial of routine administration of platelet concentrates in cardiopulmonary bypass surgery. Simon TL, et al. **Ann Thorac Surg** 1984 May;37(5):359–64

[Prevention of platelet reduction during extracorporeal membrane oxygenation] Kaneko T, et al. **Masui** 1983 Nov; 32(11):1324–32 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Hemangioma with consumptive coagulopathy (Kasabach-Merritt syndrome) detection by indium-111 oxine-labeled platelets. Schmidt RP, et al. **Clin Nucl Med** 1984 Jul;9(7):389–91

THERAPY

Splenectomy for thrombocytopenia in chronic lymphocytic leukemia. Merl SA, et al. **Am J Hematol** 1983 Nov; 15(3):253–9

High-dose intravenous gamma globulin to suppress alloimmune destruction of donor platelets. Junghans RP, et al. **Am J Med** 1984 Mar 30;76(3A):204–8

Management of immune thrombocytopenia in pregnancy: response to infusions of immunoglobulins. Tchernia G, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):225–6

The ineffectiveness of random donor platelet transfusion in splenectomized, alloimmunized recipients. Hogge DE, et al. **Blood** 1984 Jul;64(1):253–6

The place of intravenous immunoglobulin (IgG i.v.) therapy in thrombocytopenia. Gaedicke G, et al. **Blut** 1984 Jun; 48(6):409–13

The treatment of neonatal isoimmune thrombocytopenia with intravenous immunoglobin (IgG i.v.). Sidiropoulos D, et al. **Blut** 1984 Jun;48(6):383–6

Hemophilia and thrombocytopenia in a patient with impaired cellular immunity. A case report. Zeitlhuber U, et al. **Blut** 1984 Jun;48(6):393–5

Gammaglobulin in the management of immune thrombocytopenia [letter] Brearley RL, et al. **Br J Haematol** 1983 Nov;55(3):558–9

Sodium valproate and haemostasis—what to do. **Drug Ther Bull** 1984 Mar 23;22(6):23–4

Supportive care for the patient with myelosuppression and immunosuppression. Daly PA. **Ir Med J** 1983 Nov; 76(11):466–70

Prenatal treatment of alloimmune thrombocytopenia [letter] Daffos F, et al. **Lancet** 1984 Sep 15;2(8403):632

Overnight remission of idiopathic thrombocytopenia with intravenous immunoglobulin [letter] Seeler RA. **Lancet** 1984 Apr 28;1(8383):961

Splenectomy after angiographic embolization of the splenic artery in patients with massive splenomegaly and severe thrombocytopenia, in juvenile subacute myelomonocytic leukemia. Steinherz PG, et al. **Med Pediatr Oncol** 1984; 12(1):28–32

Intravenous IgG for autoimmune thrombocytopenia in pregnancy [letter] Newland AC, et al. **N Engl J Med** 1984 Jan 26;310(4):261–2

The treatment of immune thrombocytopenia [editorial] Jacobs P. **S Afr Med J** 1984 Jan 21;65(3):69–70

[Thrombopenia in a case of systemic lupus erythematosus. Possible role of immunoglobulins in its improvement (letter)] Cruchaud A. **Presse Med** 1983 Nov 17;12(41):2637 **(Fre)**

[Thrombocytopenia induced by drugs successfully managed by plasma exchange] Ueda R, et al. **Rinsho Ketsueki** 1983 Jul;24(7):910–4 **(Jpn)**

[Thrombocytopenia in chronic lymphocytic leukemia. Therapeutic results] Evensen SA, et al. **Tidsskr Nor Laegeforen** 1983 Jun 20;103(17–18):1395–6 (Eng. Abstr.) **(Nor)**

[Treatment of splenogenic cytopenias in lymphogranulomatosis] Balsogolov GD, et al. **Ter Arkh** 1983;55(8):48–52 (Eng. Abstr.) **(Rus)**

VETERINARY

Serologic diagnosis of infectious cyclic thrombocytopenia in dogs using an indirect fluorescent antibody test. French TW, et al. **Am J Vet Res** 1983 Dec;44(12):2407–11

Hapten-induced, immune-mediated thrombocytopenia in a dog. Davis WM. **J Am Vet Med Assoc** 1984 Apr 15; 184(8):976–7

Vincristine-loaded platelet therapy for idiopathic thrombocytopenia in a dog. Helfand SC, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):224–6

Lymphosarcoma and associated immune-mediated hemolytic anemia and thrombocytopenia in horses. Reef VB, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):313–7

Acute necrotizing vasculitis and thrombocytopenia in a horse. Werner LL, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):87–90

THROMBOPHLEBITIS

Deep vein thrombosis in a jogger. Ali MS, et al. **Am J Sports Med** 1984 Mar–Apr;12(2):169

A thrombotic diathesis in a young woman. Dadourian BJ, et al. **Hosp Pract [Off]** 1984 Sep;19(9):82T, 82Y

[Diagnosis and treatment of so-called exertion-induced thrombophlebitis of the upper limb] Mercier C, et al. **J Mal Vasc** 1984;9 Suppl A:25–7 **(Fre)**

[Deep venous thrombosis of the upper extremities: occurrence, etiology and prognosis] Maître PA, et al. **Schweiz Med Wochenschr** 1983 Dec 3;113(48):1802–5 (Eng. Abstr.) **(Fre)**

[Venous diseases of childhood. II. Acquired diseases] Giudice PA, et al. **Minerva Chir** 1984 Feb 28;39(4):265–7 **(Ita)**

BLOOD

Inhibition of indium-111 platelet accretion onto venous thrombi in dogs by prostacyclin. Czer G, et al. **Circ Res** 1983 Dec;53(6):830–3

Fibrinopeptide A, beta-thromboglobulin, and fibrin degradation products as screening test for the diagnosis of deep vein thrombosis. Wojciechowski J, et al. **Haemostasis** 1983;13(4):254–61

Antithrombin III deficiency in a Romanian family. Pathogenic role of concomitantly increased plasma level of clotting factors VII and X. Cucuianu M, et al. **Med Interne** 1984 Jan–Mar;22(1):13–7

Abstracts: IX International Congress on Thrombosis and Haemostasis. 4–8 July 1983. **Thromb Haemost** 1983 Jul 3; 50(1):1–508

A sequential study of plasma histidine-rich glycoprotein and plasminogen in patients with acute myocardial infarction and deep vein thrombosis. Jespersen J, et al. **Thromb Haemost** 1984 Feb 28;51(1):99–102

Effect of venous stasis on vessel wall fibrinolysis. Stenberg B, et al. **Thromb Haemost** 1984 Apr 30;51(2):240–2

Antithrombin III Toyama: a hereditary abnormal antithrombin III of a patient with recurrent thrombophlebitis. Sakuragawa N, et al. **Thromb Res** 1983 Jul 15;31(2):305–17

[Venous thromboses associated with a constitutional deficiency of protein C. 3 cases (letter)] Horellou MH, et al. **Presse Med** 1983 Oct 15;12(36):2259 **(Fre)**

[Poor fibrinolytic response to venous occlusion: defect of endothelial cells or plasma interference?] Stalder M, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1462–4 (Eng. Abstr.) **(Fre)**

[Measurement of calcium content of thrombocytes and its possible diagnostic value] Mindner K, et al. **Z Med Lab Diagn** 1984;25(1):33–7 (Eng. Abstr.) **(Ger)**

[Pathogenic relation between complement systems and hemostasis in acute thrombosis of major veins] Il'in VN, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):22–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Venous sequelae following the injection of etomidate or thiopentone i.v. Schou Olesen A, et al. **Br J Anaesth** 1984 Feb;56(2):171–3

Deep vein thrombosis: a side effect of steroid therapy. Chaudhuri MD, et al. **Br J Clin Pract** 1984 Mar;38(3):118–9

Contrast agent induced thrombophlebitis following leg phlebography: iopamidol versus meglumine iothalamate. Lea Thomas M, et al. **Br J Radiol** 1984 Mar;57(675):205–7

Does ethamsylate increase the incidence of venous thrombosis? Lewis GJ. **Br Med J [Clin Res]** 1984 Mar 24; 288(6421):899–900

Venous thrombosis as a side effect of tamoxifen treatment. Lipton A, et al. **Cancer Treat Rep** 1984 Jun;68(6):887–9

Oral contraceptives and deep venous thrombosis with pulmonary embolism. Bouché RT, et al. **J Foot Surg** 1982 Winter;21(4):297–301

Deep venous thrombophlebitis associated with lithium toxicity. Lyles MR. **J Natl Med Assoc** 1984 Jun;76(6):633–4

Deep-vein thrombosis with antipsychotic drugs. Varia I, et al. **Psychosomatics** 1983 Dec;24(12):1097–8

[Etomidate (Hypnomidat). Local venous side-effects] Wanscher M, et al. **Ugeskr Laeger** 1984 Apr 2; 146(14):1042–3 (Eng. Abstr.) **(Dan)**

[Gestagen therapy of breast cancer. Effect of high doses on the blood coagulation system] Schenk H, et al. **MMW** 1983 Oct 7;125(40):875–6 **(Ger)**

[Vascular damage in intravenous infusion therapy with high-potency neuroleptics] Platz T, et al. **Nervenarzt** 1984 Jan;55(1):46–50 **(Ger)**

COMPLICATIONS

Ultrastructural damage of crural muscle in post-thrombotic syndrome. Szmolenszky T, et al. **Acta Chir Hung** 1984; 25(2):107–18

Coexistence of rheumatoid arthritis with thrombotic events [letter] Loftin EB. **Am Fam Physician** 1984 Jun;29(6):47,50

Veno-occlusive disease in systemic lupus erythematosus: possible association with anticardiolipin antibodies? [letter] Hughes GR, et al. **Arthritis Rheum** 1984 Sep;27(9):1071

Phlebothrombosis as a common pathogenic denominator in noncirrhotic portal fibrosis & extrahepatic portal splenic venous obstruction. Arora R, et al. **Indian J Med Res** 1984 Mar;79:392–403

Lumbosacral neuropathy and venous thrombosis complicating sacroiliitis. Fitzgerald O, et al. **Ir J Med Sci** 1983 Dec;152(12):456–8

Computed tomography of visceral infarction due to coagulopathy. Demas BE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):556–8

Venous thrombosis and pulmonary embolism occurring at close intervals in spinal cord injury patients. Frisbie JH, et al. **Paraplegia** 1983 Aug;21(4):270–1

[Septic venous thrombosis of the upper limbs. Reflections apropos of 20 cases] Guidicelli H, et al. **J Mal Vasc** 1984; 9 Suppl A:20–1 **(Fre)**

[Venous thrombosis associated with hematoma of the lower limbs (letter)] Husson J, et al. **Presse Med** 1983 Dec 24; 12(47):3008 **(Fre)**

[Fibrinolysis in right ventricular thrombus] Breuer HW, et al. **Z Kardiol** 1984 Apr;73(4):237–41 (Eng. Abstr.) **(Ger)**

[Phlegmasia caerulea dolens] Santoro A, et al. **Minerva Chir** 1983 Oct 15;38(19):1557–77 (173 ref.) **(Ita)**

[Prevention of disability and occupational expert testimony in post-thrombophlebitis syndrome of the lower limbs] Murav'ev MF, et al. **Vestn Khir** 1984 May;132(5):117–20 **(Rus)**

DIAGNOSIS

Significance of Doppler ultrasound technique for screening postoperative deep venous thrombosis. Sándor TM, et al. **Acta Chir Hung** 1983;24(2):81–7

Thermography in the diagnosis of deep venous thrombosis. A comparison with 99Tcm-plasmin test, clinical diagnosis and phlebography. Wallin L, et al. **Acta Med Scand** 1983; 214(1):15–20

Deep vein thrombosis during pregnancy. A prospective study. Bergqvist A, et al. **Acta Obstet Gynecol Scand** 1983; 62(5):443–8

Baker's cyst masquerading as acute thrombophlebitis: the necessity for precise diagnosis. O'Connor TJ, et al. **Ala J Med Sci** 1984 Jan;21(1):84–5

Expanded criteria for the diagnosis of deep venous thrombosis. Use of the pulse volume recorder and Doppler ultrasonography. Howe HR Jr, et al. **Arch Surg** 1984 Oct; 119(10):1167–70

Thrombophlebitis in Behçet's disease: two causes of diagnostic error [letter] Hamza M. **Arthritis Rheum** 1984 Jun;27(6):717

Deep vein thrombosis detection by 99mTc-plasmin test and phlebography. Husted SE, et al. **Br J Surg** 1984 Jan; 71(1):65–6

Deep venous insufficiency after postoperative thrombosis diagnosed with 125I-labelled fibrinogen uptake test. Lindhagen A, et al. **Br J Surg** 1984 Jul;71(7):511–5

A posterior ascending popliteal cyst mimicking thrombophlebitis following total knee arthroplasty (TKA). Pavlov H, et al. **Clin Orthop** 1983 Oct;(179):204–8

On the diagnosis of deep venous thrombosis in patients at risk. Gram J, et al. **Dan Med Bull** 1984 Apr;31(2):149–53

Detection of deep vein thrombosis. Sheehe D. **Del Med J** 1983 Oct;55(10):609–14

Thrombophlebitis of the abdominal wall. Woolling KR. **Indiana Med** 1984 Feb;77(2):98–107

The diagnosis of acute recurrent deep-vein thrombosis. Hull R. **Int J Cardiol** 1984 May;5(5):643–8

Deep venous thrombosis and pulmonary embolism. Settlemire WE, et al. **J Am Podiatry Assoc** 1984 Jun; 74(6):268–83 (38 ref.)

The hammock position. A possible aid in prophylactic treatment of DVT. Morrison IR. **J Kans Med Soc** 1983 Oct;84(10):526–8

Ovarian vein thrombophlebitis: diagnosis by ultrasound and CT. Warhit JM, et al. **JCU** 1984 Jun;12(5):301–3

Postoperative deep vein thrombosis—early diagnosis and prophylaxis. Hirose M, et al. **Jpn Circ J** 1984 Jan; 48(1):111–7

The clinical diagnosis of deep venous thrombosis in ambulant patients [letter] **Neth J Med** 1983;26(7):209–12

Evaluation of impedance plethysmography as a single non-invasive test for the diagnosis of clinically suspected deep vein thrombosis. Basart DC, et al. **Neth J Med** 1984; 27(6):197–201

Strategies to diagnosis and screening of deep venous thrombosis and pulmonary embolism. Büller HR, et al. **Neth J Surg** 1983 Sep;35(4):121–8

Diagnosis of deep vein thrombosis by phleborheography in a community hospital. Ricci MA, et al. **NY State J Med** 1984 Feb;84(2):72–3

Pulmonary venoocclusive disease in pregnancy. Tsou E, et al. **Obstet Gynecol** 1984 Aug;64(2):281–4

Deep venous thrombosis: detection by high-resolution real-time ultrasonography. Raghavendra BN, et al. **Radiology** 1984 Sep;152(3):789–93

Inflammatory lesions of the groin: ultrasonic evaluation. Sandler MA, et al. **Radiology** 1984 Jun;151(3):747–50

Rupture of Baker's cyst mimicking deep-vein thrombosis. Brighton SW, et al. **S Afr Med J** 1984 Apr 21;65(16):649–50

After-exercise thermography compared to strain-gauge plethysmography and venous pressure measurements to detect deep venous insufficiency. Lindhagen A, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):293–5

Combined use of Doppler ultrasound and phleborheography in suspected deep venous thrombosis. Ouriel K, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):242–6

Accuracy of strain-gauge plethysmography as a diagnostic test in clinically suspected deep venous thrombosis. Pini M, et al. **Thromb Res** 1984 Jul 15;35(2):149–57

[Contact thermography as a screening method suspected deep lower thrombosis of the lower limbs] Knudsen LL, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):967–70 (Eng. Abstr.) **(Dan)**

[Isotopic and conventional phlebographies] Esslemont-Gally A, et al. **Phlebologie** 1983 Jul-Sep;36(3):241–8 **(Fre)**

[Photo-reflex rheography and diagnosis of deep venous thrombosis] Stemmer R, et al. **Phlebologie** 1984 Jan-Mar; 37(1):69–75 (Eng. Abstr.) **(Fre)**

[Deep venous thrombosis or ruptured popliteal cyst? Value of echotomography as the 1st examination (letter)] Maroko I, et al. **Presse Med** 1984 Jun 23;13(26):1631–2 **(Fre)**

[Functional phlebology diagnosis using light-reflection rheography] Wienert V. **Dtsch Med Wochenschr** 1984 Jun 22;109(25):997–9 **(Ger)**

[What does the Doppler ultrasonic technic accomplish in angiology?] Kaliman J, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):529–34 (Eng. Abstr.) **(Ger)**

[Measurement of the calcium content of thrombocytes as a contribution to the recognition of a disposition to thrombosis] Bergmann I, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):232–3 (Eng. Abstr.) **(Ger)**

[Initial study of the venous disease patient] Hach W, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1465–70 **(Ger)**

[Diagnosis of deep-vein thrombosis (letter)] **Orv Hetil** 1983 Jul 24;124(30):1845–6 **(Hun)**

[Instrumental diagnosis of deep venous thrombosis. Prospective study with non-invasive methods] Pini M, et al. **Acta Biomed Ateneo Parmense** 1983;54(5–6):417–26 (Eng. Abstr.) **(Ita)**

[Diagnostic possibilities of a Doppler-Pulse Volume Recorder in deep venous thrombosis] Sciannameo F, et al. **Minerva Cardioangiol** 1984 Jan-Feb;32(1–2):15–9 (Eng. Abstr.) **(Ita)**

[Current diagnosis of venous diseases of the lower limbs] Belcaro G, et al. **Minerva Med** 1984 Jun 16;75(25):1493–500 (Eng. Abstr.) **(Ita)**

[Serum residual activation test for the detection of states of plasma hypercoagulability] Poppa C, et al. **Rev Med Interna [Med Interna]** 1984 Jan-Feb;36(1):67–71 **(Rum)**

[Weber-Christian panniculitis in the differential diagnosis of diseases of the veins of the lower extremities] Skripnichenko DF, et al. **Klin Khir** 1983 Jul;(7):74–5 **(Rus)**

[The significance of the radiofibrinogen accumulation test in surgical practice] Labaš P, et al. **Bratisl Lek Listy** 1984 Jan;81(1):72–9 (Eng. Abstr.) **(Slo)**

[The effect of preventive care on hemocoagulation parameters in patients at risk for postoperative thrombosis] Okrucká A, et al. **Bratisl Lek Listy** 1983 Nov;80(5):550–9 (Eng. Abstr.) **(Slo)**

[Haemophilus influenzae arthritis in an adult presenting as pseudothrombophebitis (letter)] Alés JE, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):830 **(Spa)**

DRUG THERAPY

Failure of the biguanide moroxydine chloride to stimulate plasma fibrinolytic activity. Boberg M, et al. **Acta Med Scand** 1984;215(3):221–4

Heparin treatment of deep venous thrombosis in 280 patients: symptoms related to dosage. Holm HA, et al. **Acta Med Scand** 1984;215(1):47–53

Pooled analyses of randomized trials of streptokinase and heparin in phlebographically documented acute deep venous thrombosis. Goldhaber SZ, et al. **Am J Med** 1984 Mar;76(3):393–7

Anticoagulation therapy for venous thromboembolism in patients with gynecologic malignancy. Clarke-Pearson DL, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):369–75

Therapeutic and clinical course of deep vein thrombosis. Menzoian JO, et al. **Am J Surg** 1983 Nov;146(5):581–5

Burst therapy. A method of administering fibrinolytic agents. Persson AV, et al. **Am J Surg** 1984 Apr;147(4):531–6

Cerebral venous and arterial thrombosis in pregnancy and puerperium. A study of 135 patients. Srinivasan K. **Angiology** 1983 Nov;34(11):731–46

Long-term anticoagulant therapy in patients with venous thrombosis [editorial] Hull R, et al. **Arch Intern Med** 1983 Nov;143(11):2061–3

Flexible induction dose regimen for warfarin and prediction of maintenance dose. Fennerty A, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1268–70

Aminoglutethimide and warfarin. A new important drug interaction. Lønning PE, et al. **Cancer Chemother Pharmacol** 1984;12(1):10–2

Traditional Chinese treatment of acute and subacute thrombophlebitis profundus. Report of 60 cases. Xi JY, et al. **J Tradit Chin Med** 1984 Mar;4(1):35–8

Nonsurgical relief of venous limb thrombosis in a Denver shunt [letter] McDaniel MD, et al. **JAMA** 1984 Sep 14; 252(10):1282–3

Advances in the diagnosis and management of deep vein thrombosis. Ockelford PA. **NZ Med J** 1984 Aug 8; 97(761):522–5

Right upper extremity venous thrombosis following placement of dual-chamber urethane pacing lead [letter] Sands MJ Jr. **PACE** 1984 May;7(3 Pt 1):443

Outcome of treatment of deep-vein thrombosis with urokinase: relationship to dosage, duration of therapy, age of the thrombus and laboratory changes. D'Angelo A, et al. **Thromb Haemost** 1984 Apr 30;51(2):236–9

Acyl-enzymes as thrombolytic agents in dog models of venous thrombosis and pulmonary embolism. Dupe RJ, et al. **Thromb Haemost** 1984 Apr 30;51(2):248–53

Successful progressive anticoagulation in a severe protein C deficiency and previous skin necrosis at the initiation of oral anticoagulant treatment [letter] Samama M, et al. **Thromb Haemost** 1984 Feb 28;51(1):132–3

A comparative randomized trial of low-dose versus high-dose streptokinase in deep vein thrombosis of the thigh. Schulman S, et al. **Thromb Haemost** 1984 Apr 30; 51(2):261–5

Local venous infusion of streptokinase in DVT. Schulman S, et al. **Thromb Res** 1984 May 1;34(3):213–6

[The therapeutic possibilities in phlegmasia cerulea dolens] Büchvarova V, et al. **Khirurgiia (Sofiia)** 1984;37(3):178–82 (Eng. Abstr.) **(Bul)**

[Phlebitis of the legs. Comparison of streptokinase and urokinase therapy (letter)] Marcon JL, et al. **Presse Med** 1984 Jun 30;13(27):1697–8 **(Fre)**

[Effectiveness-risk ratio of heparin-dihydroergotamine (letter)] Kakkar VV. **Dtsch Med Wochenschr** 1983 Oct 7; 108(40):1536–7 **(Ger)**

[Treatment in a heparin-induced skin reaction with a low-molecular heparin analog] Zimmermann R, et al. **Dtsch Med Wochenschr** 1984 Aug 31;109(35):1326–8 (Eng. Abstr.) **(Ger)**

[Late results following fibrinolysis therapy of venous thromboses] Breddin HK. **Internist (Berlin)** 1984 Feb; 25(2):102–7 **(Ger)**

[Urokinase therapy of deep vein thrombosis] Hasler K, et al. MMW 1984 Feb 3;126(5):122–4 (Eng. Abstr.) **(Ger)**

[Thrombolysis using urokinase in acute phlebothrombosis] Minar E, et al. **Vasa** 1984;13(1):41–6 (Eng. Abstr.) **(Ger)**

[Late results of fibrinolysis therapy of venous thrombosis] Breddin HK. **Verh Dtsch Ges Herz Kreislaufforsch** 1983; 49:201–8 **(Ger)**

[Fibrinolytic therapy in advanced phlegmasia coerulea dolens of the upper and lower extremities] Schweder R, et al. **Zentralbl Chir** 1984;109(13):891–4 **(Ger)**

[Venous disease. Guidelines for drug therapy] Schmitz R. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1471–3 **(Ger)**

[Use of a minor fibrinolytic drug (mesoglycan) in phlebitis] Scondotto G, et al. **Minerva Med** 1984 Jul 14;

75(28–29):1733–8 (Eng. Abstr.) **(Ita)**

[Treatment of deep venous thrombosis with fixed doses of subcutaneous heparin. Preliminary results] Lastória S, et al. **AMB** 1983 Nov–Dec;29(11–12):188–90 (Eng. Abstr.) **(Por)**

[Paravascular and intraspongiosal administration of a therapeutic mixture in the complex treatment of thrombophlebitis of the extremities] Askerkhanov RP, et al. **Klin Khir** 1983 Jul;(7):58–60 (Eng. Abstr.) **(Rus)**

[Hemorrhagic complications of anticoagulants (heparin and dicoumarins) in the treatment of deep venous thrombosis. Report of 176 consecutive patients] Lozano F, et al. **Angiologia** 1984 May–Jun;36(3):118–20 (Eng. Abstr.) **(Spa)**

[Treatment of acute deep venous thrombosis] Lockner D, et al. **Lakartidningen** 1983 Jun 29;80(26–27):2633–4 **(Swe)**

ECONOMICS

A cost–effectiveness analysis of alternative approaches for long–term treatment of proximal venous thrombosis. Hull RD, et al. **JAMA** 1984 Jul 13;252(2):235–9

ETIOLOGY

Material thrombogenicity in central venous catheterization III. A comparison between soft polyvinylchloride and soft polyurethane elastomer, long, antebrachial catheters. Curelaru I, et al. **Acta Anaesthesiol Scand** 1984 Apr; 28(2):204–8

Dynamics of thrombophlebitis in central venous catheterization via basilic and cephalic veins. Curelaru I, et al. **Acta Chir Scand** 1984;150(4):285–93

Deep vein thrombosis and pulmonary embolism in head injured patients. Kaufman HH, et al. **Angiology** 1983 Oct; 34(10):627–34

Incidence of post–operative deep vein thrombosis in gynaecological oncology. Crandon AJ, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):216–9

The effect of blood transfusion on the incidence of deep vein thrombosis. Gray DH, et al. **Aust NZ J Surg** 1983 Oct; 53(5):439–43

Subclavian vein thrombophlebitis: complication of total parenteral nutrition (TPN). Soto–Velasco JM, et al. **Cleve Clin Q** 1984 Spring;51(1):159–66

High risk of venous thromboembolism in the critically ill [letter] Mikhailidis DP, et al. **Crit Care Med** 1984 Aug; 12(8):696–7

Venous thrombosis in diabetes mellitus. Jones EW, et al. **Diabetologia** 1983 Dec;25(6):502–5

Trousseau's syndrome. James WD. **Int J Dermatol** 1984 Apr; 23(3):205–6

Failure of balloon membranotomy of the inferior vena cava. Bar–Meir S, et al. **Isr J Med Sci** 1984 Jul;20(7):618–21

Deep–vein thrombosis following total knee replacement. An analysis of six hundred and thirty–eight arthroplasties. Stulberg BN, et al. **J Bone Joint Surg [Am]** 1984 Feb; 66(2):194–201

Early thrombosis of an aortic St. Jude valve in spite of effective anticoagulant treatment. Turinetto B, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):182–4

Haemophilus influenzae septic thrombophlebitis following use of a 'scalp–vein' needle. Ahonkhai VI, et al. **J Natl Med Assoc** 1984 Feb;76(2):196–8

Deep venous thrombosis in total hip replacement [letter] Leeman EK. **JAMA** 1984 Jun 15;251(23):3081–2

Material thrombogenicity in central venous catheterization: a comparison between soft, antebrachial catheters of silicone elastomer and polyurethane. Linder LE, et al. **JPEN** 1984 Jul–Aug;8(4):399–406

Homozygous protein C deficiency manifested by massive venous thrombosis in the newborn. Seligsohn U, et al. **N Engl J Med** 1984 Mar 1;310(9):559–62

Significance of idiopathic deep venous thrombosis. O'Connor NT, et al. **Postgrad Med J** 1984 Apr;60(702):275–7

Fibrinolytic activity in plasma and deep vein thrombosis after major abdominal surgery. Mellbring G, et al. **Thromb Res** 1983 Dec 15;32(6):575–84

Peroperative or postoperative deep venous thrombosis? Krahenbuhl B, et al. **Vasa** 1984;13(1):19–23

[A case of retroperitoneal cystic lymphagioma disclosed by recurrent phlebitis with pulmonary embolism] Desoutter P, et al. **Ann Chir** 1983 Sep;37(6):432–5 (Eng. Abstr.) **(Fre)**

[Blue phlebitis and venous gangrene above caval barriers. 3 cases] Langeron P. **Chirurgie** 1984;110(3):313–5 **(Fre)**

[Extensive venous thrombosis disclosing an aneurysm of the common iliac artery] Gayet JL, et al. **J Mal Vasc** 1984; 9(2):159–62 (Eng. Abstr.) **(Fre)**

[Campylobacter fetus ssp fetus thrombophlebitis (letter)] Gateau P, et al. **Presse Med** 1984 Jan 21;13(2):102–3 **(Fre)**

[Venous thrombosis caused by central catheters. Phlebographic study of 41 cases] Frère D, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2910–4 (Eng. Abstr.) **(Fre)**

[Recurrent thrombophlebitis and bilateral gynecomastia. Primary manifestations of hepatocarcinoma] Merino Angulo J, et al. **Sem Hop Paris** 1984 Feb 16;60(8):580–2 (Eng. Abstr.) **(Fre)**

[Axillary and subclavian vein thrombosis in LeVeen shunt (letter)] Gmähle E. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1): 36 **(Ger)**

[The knee roll: a nursing procedure as a cause of deep venous thrombosis] Schmitt HE. **Dtsch Med Wochenschr** 1983 Oct 28;108(43):1657–8 **(Ger)**

[Thrombosis following urologic operations despite low–dose heparin prophylaxis – hemostaseologic studies] Marx FJ, et al. **Helv Chir Acta** 1983 Jun;50(3):263–8 (Eng. Abstr.) **(Ger)**

[A case from general practice (16)] Stierli J. **Praxis** 1983 Sep 6;72(36):1162 **(Ger)**

[Thrombogenic risk in phlebography. Personal studies] Lucardi C, et al. **Minerva Med** 1983 Oct 13;74(39):2297–300 (Eng. Abstr.) **(Ita)**

[Clinical and therapeutic aspects of otogenic thrombophlebitis] Popovici G, et al. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):271–5 (Eng. Abstr.) **(Rum)**

[Phlegmasia cerulea of the lower extremities complicating wounds of the thigh] Alimov TU, et al. **Klin Khir** 1983 Jul;(7):74 **(Rus)**

[Relation between the development of thrombophlebitis of the subclavian vein and the side of catheterization] Isaev IuV, et al. **Vestn Khir** 1984 Jun;132(6):127–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Antithrombin III Roma: a familial quantitative–qualitative AT–III deficiency identifiable by crossed immunoelectrofocusing and by crossed immunoelectrophoresis. Leone G, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):765–74

Familial venous thrombosis. Winter JH, et al. **Postgrad Med J** 1983 Nov;59(697):677–89 (106 ref.)

Protein C deficiency in two Austrian families. Pabinger–Fasching I, et al. **Thromb Haemost** 1983 Dec 30; 50(4):810–3

[A family with reduced plasminogen activator activity in the blood associated with recurrent thrombosis] Jørgensen M, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2302–3 (Eng. Abstr.) **(Dan)**

[Protein C deficiency. Role in recurrent venous thrombosis (letter)] Bercoff E, et al. **Presse Med** 1984 Jan 14;13(1):49 **(Fre)**

HISTORY

Trousseau's phenomenon [letter] Stolinsky DC. **Blood** 1983 Dec;62(6):1304

IMMUNOLOGY

[Non–venereal sclerosing lymphangitis of the penis revealed as phlebitis by positive factor VIII–related antigen] Tanii T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Nov; 93(12):1347–9 **(Jpn)**

METABOLISM

Specific uptake of radioiodinated fragment E1 by venous thrombi in pigs. Knight LC, et al. **J Clin Invest** 1983 Dec; 72(6):2007–13

MORTALITY

Mortality trends from venous thrombosis and embolism in England and Wales [letter] Butler CM, et al. **Lancet** 1983 Dec 3;2(8362):1314

OCCURRENCE

Incidence and diagnosis of deep vein thrombosis associated with pregnancy. Kierkegaard A. **Acta Obstet Gynecol Scand** 1983;62(3):239–43

An epidemiologic study of the risks associated with peripheral intravenous catheters. Tager IB, et al. **Am J Epidemiol** 1983 Dec;118(6):839–51

Epidemiological observations of thrombo–embolic disease during pregnancy and in the puerperium, in 56,022 women. Treffers PE, et al. **Int J Gynaecol Obstet** 1983 Aug; 21(4):327–31

[Disposition to thrombosis and thromboembolism prophylaxis with heparin/dihytamine in hip surgery] Liedloff H, et al. **Beitr Orthop Traumatol** 1983 Sep;30(9):458–64 (Eng. Abstr.) **(Ger)**

[Thrombophlebitis. Incidence, complications and economic problems] Andziak P, et al. **Pol Tyg Lek** 1983 Nov 7; 38(45):1411–3 **(Pol)**

[Venous thromboses and their complications in persons who have had amputations of the lower extremities for acute arterial obstruction] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 May;(5):87–90 **(Rus)**

PATHOLOGY

Pseudothrombophlebitis: Baker's cyst masquerading as thrombophlebitis. Smith VT. **Tex Med** 1983 Dec; 79(12):48–9

PHYSIOPATHOLOGY

Early events in the formation of a venous thrombus following local trauma and stasis. Schaub RG, et al. **Lab Invest** 1984 Aug;51(2):218–24

Increased synthesis of thromboxane B2 and 6–keto–PGF1 alpha in hand veins from patients with deep venous thrombosis. Saldeen P, et al. **Thromb Res** 1983 Dec 1; 32(5):461–7

[The mechanism of venous thrombosis] Jørgensen M, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2277–80 (Eng. Abstr.) **(Dan)**

[2 types of dynamics of filling of veins in the extremities during obstruction of venous outflow] Borisova LF. **Biull Eksp Biol Med** 1984 Apr;97(4):401–5 (Eng. Abstr.) **(Rus)**

[Indirect functional dynamic lymphography of the lower extremities in phlebologic practice] Zhukov BN, et al. **Vestn Khir** 1983 Aug;131(8):45–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Dihydroergotamine in prevention of infusion thrombophlebitis. A randomized trial. Jørgensen T, et al. **Acta Chir Scand** 1984;150(1):21–2

Oral anticoagulants and dextran for prevention of venous thrombosis in orthopaedics. Swierstra BA, et al. **Acta Orthop Scand** 1984 Jun;55(3):251–3

Advances in the prevention of venous thromboembolic disease. Bentley PG, et al. **Adv Exp Med Biol** 1984;164:81–3

Prevention of postvenographic thrombosis by heparin flush: fibrinogen uptake measurements. Minar E, et al. **AJR** 1984 Sep;143(3):629–32

Intermittent sequential high–pressure compression of the leg. A new method of preventing deep vein thrombosis. Mühe E. **Am J Surg** 1984 Jun;147(6):781–5

Prevention of postoperative deep venous thrombosis and pulmonary emboli with combined modalities. Borow M, et al. **Am Surg** 1933 Nov;49(11):599–605

The efficacy of graduated compression stockings in the prevention of deep vein thrombosis after major gynaecological surgery. Turner GM, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):588–91

Does dihydroergotamine potentiate the thromboprophylactic effect of dextran 70? A controlled prospective study in general and hip surgery. Bergqvist D, et al. **Br J Surg** 1984 Jul;71(7):516–21

Intraoperative single–dose heparin prophylaxis against deep–vein thrombosis. Jones DP, et al. **Can J Surg** 1984 Jan;27(1):15–6

Prevention of lidocaine–infusion phlebitis by heparin and hydrocortisone. Bassan MM, et al. **Chest** 1983 Oct; 84(4):439–41

Perioperative external pneumatic calf compression as thromboembolism prophylaxis in gynecologic oncology: report of a randomized controlled trial. Clarke–Pearson DL, et al. **Gynecol Oncol** 1984 Jun;18(2):226–32

Indications for the treatment of deep venous thrombosis following total knee replacement. Lotke PA, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):202–8

A trial of povidone–iodine ointment for the prevention of cannula thrombophlebitis. Thompson DR, et al. **J Hosp Infect** 1983 Sep;4(3):285–9

Dihydroergotamine–heparin prophylaxis of postoperative deep vein thrombosis. A multicenter trial. The Multicenter Trial Committee. **JAMA** 1984 Jun 8;251(22):2960–6

New approaches for deep vein thrombosis occurring after surgery [editorial] Hirsh J. **JAMA** 1984 Jun 8; 251(22):2985–6

Aspirin–sulfinpyrazone in prophylaxis of deep venous thrombosis in total hip replacement. Sautter RD, et al. **JAMA** 1983 Nov 18;250(19):2649–54

Experimental approach to prevention of catheter–related central venous thrombosis. Di Costanzo J, et al. **JPEN** 1984 May–Jun;8(3):293–7

Anticoagulant therapy following acute myocardial infarction. Part I. Incidence of and factors predisposing to thromboembolism associated with acute myocardial infarction. Genton E, et al. **Mod Concepts Cardiovasc Dis** 1983 Sep;52(9):45–8

Prevention of venous thrombosis after total hip replacement [letter] **N Engl J Med** 1984 Apr 5;310(14):927–8

Adjusted versus fixed–dose subcutaneous heparin in the prevention of deep–vein thrombosis after total hip replacement. Leyvraz PF, et al. **N Engl J Med** 1983 Oct 20;309(16):954–8

Aspirin as an antithrombotic medication. Marcus AJ. **N Engl J Med** 1983 Dec 15;309(24):1515–7

Prevention of postoperative venous thromboembolism by external pneumatic calf compression in patients with gynecologic malignancy. Clarke–Pearson DL, et al. **Obstet Gynecol** 1984 Jan;63(1):92–8

On the efficacy of low dose prednisolone and heparin sodium in the prevention of infusion thrombophlebitis. A double–blind trial. De Cock C, et al. **Pharm Weekbl [Sci]** 1984 Apr 27;6(2):88–90

The role of intraoperative heparin in reducing the incidence of postoperative deep venous thrombosis. Byrne P, et al. **Surg Gynecol Obstet** 1984 May;158(5):419–22

A new method of management using the Kim–Ray Greenfield filter for deep venous thrombosis and pulmonary embolism in spinal cord injury. Jarrell BE, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):316–20

Effect of continuous low–dose intravenous heparin administered during operation on postoperative measurements of antithrombin III and antifactor Xa. Jennings SA, et al. **Surgery** 1984 Sep;96(3):550–5

Computation of chi–square with Yates correction [letter] Neely WA. **Surgery** 1984 Mar;95(3):379

A double–blind trial of intramuscular stanozolol in the prevention of postoperative deep vein thrombosis following elective abdominal surgery. Blamey SL, et al.

Thromb Haemost 1984 Feb 28;51(1):71–4
Response of femoral venous oxygen tension to graduated pressure stockings—possible relationship to deep vein thrombosis. Okoye GC, et al. **Thromb Haemost** 1984 Feb 28;51(1):103–4
Protein C, an anticoagulant protein, is increased in healthy volunteers and surgical patients after treatment with stanozolol. Kluft C, et al. **Thromb Res** 1984 Feb 1; 33(3):297–304
Minidose heparin in transurethral prostatectomy. Bejjani BB, et al. **Urology** 1983 Sep;22(3):251–4
[Use of pentosan sulfuric polyester in the prevention of postoperative deep venous thrombosis of the lower limbs] Morin JP. **Agressologie** 1983 Dec;24(12):597–9 (Eng. Abstr.) **(Fre)**
[Prevention of venous thrombosis in surgery of the lower limbs. Various phases of an experience in a general traumatology service] Brunner U. **Phlebologie** 1984 Jan–Mar;37(1):41–7 (Eng. Abstr.) **(Fre)**
[Our experience in the prevention of post-operative venous thrombosis] Gédeon A, et al. **Phlebologie** 1984 Jan–Mar; 37(1):49–54 **(Fre)**
[Prevention of deep-vein thrombosis in non-surgical patients] Moest P, et al. **Rev Med Brux** 1984 May;5(5):343–5 (Eng. Abstr.) **(Fre)**
[Arterial spasm caused by administration of DHE–heparin in a tibial fracture] Hertz H, et al. **Aktuel Traumatol** 1984 Aug;14(4):142–5 (Eng. Abstr.) **(Ger)**
[Pneumatic compression in the treatment of chronic edema and in the prevention of thrombosis] Grossmann K, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):341–3 **(Ger)**
[Effective physical method for the prevention of deep venous thrombosis of the leg] Thiele G. **Z Gesamte Inn Med** 1984 Apr 1;39(7):115–9 (Eng. Abstr.) **(Ger)**
[Preoperative hemodilution as prophylaxis of deep vein thrombosis] Vara-Thorbeck R, et al. **Zentralbl Chir** 1984; 109(2):90–6 (Eng. Abstr.) **(Ger)**
[Prevention of postoperative deep venous thrombosis] Krstić C. **Vojnosanit Pregl** 1983 Jul–Aug;40(4):276–81 **(Scr)**

RADIOGRAPHY

Double blind comparison between iohexol and metrizoate in phlebography of the lower limb. Albrechtsson U, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:58–64
Soft-tissue CT changes in pelvic venous thrombosis. Pawar SV, et al. **AJR** 1984 Sep;143(3):605–7
Comparison between 99Tcm-porcine plasmin and 99Tcm-labelled erythrocytes in diagnosis of deep vein thrombosis. Edenbrandt CM, et al. **Clin Physiol** 1984 Jun; 4(3):243–52
Lower extremity edema due to deep vein thrombosis in patients with recurrent cervix cancer. Simon NL, et al. **Gynecol Oncol** 1984 Sep;19(1):30–3
Lower extremity deep vein thrombosis in children. Perlmutt L, et al. **Pediatr Radiol** 1983;13(5):266–8
Ilio-femoral segment and inferior vena cava visualization using a non-catheter technique: an adjunct of leg phlebography. Dure-Smith P, et al. **Radiology** 1984 Oct; 153(1):251–2
Thrombosis of dural sinuses and cerebral veins: the CT findings. Chen HR, et al.
Taiwan I Hsueh Hui Tsa Chih 1983 Nov;82(11):1175–9
[Radiographic study of acute venous thrombosis of the lower extremities. Multilevel skiascopically monitored phlebography] Cholt M, et al. **Cesk Radiol** 1984 Feb; 38(1):2–13 (Eng. Abstr.) **(Cze)**
[Venous thromboses caused by central catheters. Phlebographic study of 41 cases] Frère D, et al.
Ann Chir 1983 May;37(4):286–90 (Eng. Abstr.) **(Fre)**
[Value of phlebography in venous pathology] Picard JD, et al. **J Mal Vasc** 1984;9 Suppl A:1–7 **(Fre)**
[Radiological aspects of thrombosis of the deep veins of the upper limbs and the mediastinum] Picard JD, et al.
J Mal Vasc 1984;9 Suppl A:9–13 **(Fre)**
[Deep venous thrombosis of the lower limbs. Diagnostic contribution of rheoplethysmography with venous occlusion (letter)] Ferrini M, et al. **Presse Med** 1984 Jan 28;13(3):169 **(Fre)**
[Phlebographic diagnosis of lower limb venous thrombosis] Serradimigni A, et al. **Presse Med** 1983 Oct 8;12(35):2175–9 (Eng. Abstr.) **(Fre)**
[Puerperal thrombophlebitis of the ovarian veins—diagnosis using CT] Huber DJ. **ROFO** 1984 Jun;140(6):665–8 (Eng. Abstr.) **(Ger)**
[Deep leg vein thrombosis during skiing. A case report] Schöbi R, et al. **Schweiz Med Wochenschr** 1983 Oct 1; 113(39):1402–3 (Eng. Abstr.) **(Ger)**
[Experiences with digital subtraction angiography (DSA) in diseases of the pelvic veins and inferior vena cava] Arlart IP. **Vasa** 1984;13(2):127–32 (Eng. Abstr.) **(Ger)**
[Value of controlled phlebography in the diagnosis of postoperative deep venous thrombosis] Labaš P, et al.
Rozhl Chir 1984 Mar;63(3):155–8 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Radionuclide venographic demonstration of portal and systemic collaterals in a case of complete IVC obstruction. Greenwald LV, et al. **Clin Nucl Med** 1984 Mar;9(3):156–8
Diagnosis of deep venous thrombosis by 99mTc-human serum albumin microcolloid. Edenbrandt CM, et al.
Eur J Nucl Med 1983;8(8):332–4
Diagnosis of deep venous thrombosis with 99mTc plasmin using the gamma camera. Lückers AE, et al.
Eur J Nucl Med 1984;9(6):282–3
Detection of deep venous thrombosis with Tc-99m sulfur colloid [letter] Maurer AH, et al. **Radiology** 1984 Mar; 150(3):842–3
Radionuclide plethysmography and Tc-99m red blood cell venography in venous thrombosis: comparison with contrast venography. Singer I, et al. **Radiology** 1984 Jan; 150(1):213–7
Imaging of venous thromboemboli with labeled platelets. Moser KM, et al. **Semin Nucl Med** 1984 Jul;14(3):188–97 (46 ref.)
Thrombus-related uptake and vascular clearance of 131 I-fibrin des-AABB as compared to 125 I-fibrinogen in patients with established venous thrombosis. Nilsen DW, et al. **Thromb Haemost** 1984 Apr 30;51(2):165–8
[Pitfalls in radioisotope diagnosis of deep venous thrombosis using fibrinogen 125I in traumatology] Novák K, et al.
Cas Lek Cesk 1984 May 25;123(21):636–41 (Eng. Abstr.) **(Cze)**
[The value of 99mTc-plasmin scanning in deep venous thrombosis] Nielsen HK, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):270–2 (Eng. Abstr.) **(Dan)**
[Serial angioscintigraphy in deep venous thrombosis of the upper limb] Hodara M. **J Mal Vasc** 1984;9 Suppl A:14–6 **(Fre)**
[Radionuclide phlebography in the diagnosis of the postthrombophlebitis syndrome with iliaco-femoral localization] Klioner LI, et al. **Klin Khir** 1984 Jul;(7):56–7 (Eng. Abstr.) **(Rus)**
[Formation and migration of radioactive microemboli to the lung during radiovenography] Cuarón A, et al.
Arch Inst Cardiol Mex 1983 Jul–Aug;53(4):313–20 (Eng. Abstr.) **(Spa)**

SURGERY

Reconstruction of veins: the need for objectivity. Husni EA.
J Cardiovasc Surg (Torino) 1983 Sep–Oct;24(5):525–8
Scanning electron microscopy and evans blue staining for assessing endothelial trauma and reconstitution after venous thrombectomy. Einarsson E, et al.
Scan Electron Microsc 1984;(Pt 1):273–8
Indications for vena caval fenestration. Grau MW, et al.
West J Med 1984 Apr;140(4):573–4
[Treatment of the postthrombotic syndrome by the 2d technic of popliteal vein valve substitution. Comparative results of measurements of peripheral venous pressure before and after surgery] Psathakis N. **Phlebologie** 1983 Jul–Sep; 36(3):255–64 **(Fre)**
[Surgical treatment of deep venous thrombosis] Faidutti B, et al. **Schweiz Rundsch Med Prax** 1984 Jan 10;73(2):25–6 **(Fre)**
[Clinical, functional and morphological late results of venous thrombectomy] Minar E, et al. **Vasa** 1983;12(4):346–52 (Eng. Abstr.) **(Ger)**
[Therapy of chronic intrafascial venous insufficiency] Lehnert W, et al. **Z Arztl Fortbild (Jena)** 1984;78(8):329–30 **(Ger)**
[Current role of venous thrombectomy in the treatment of deep venous thrombosis of the lower limbs] Cagetti M, et al. **Minerva Cardioangiol** 1983 Oct;31(10):573–6 (Eng. Abstr.) **(Ita)**
[Chest pain, dyspnea and hemoptysis during postoperative anticoagulant therapy following thrombectomy of the lower limb vein] Hadama T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):516–8 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of occlusive forms of thrombosis of the deep veins of the lower extremities] Mitiuk II, et al.
Klin Khir 1984 Jul;(7):26–8 (Eng. Abstr.) **(Rus)**
[Critical considerations on the long-term results of the medical and surgical therapy of peripheral arteriopathies stages III and IV in the elderly] Cavaliere P, et al.
Angiologia 1984 May–Jun;36(3):108–12 (Eng. Abstr.) **(Spa)**

THERAPY

Practical therapeutics: an approach to the diagnosis and management of venous thrombosis and pulmonary embolism. Lore W. **East Afr Med J** 1983 Feb;60(2):126–31
Bed rest, deep-vein thrombosis, and pulmonary embolism [letter] Singer A. **JAMA** 1983 Dec 16;250(23):3162
[Treatment of deep venous thrombosis of the pelvis and leg. State of the art] Lüdtke-Handjery A.
Dtsch Med Wochenschr 1984 Aug 31;109(35):1336–9 (24 ref.) **(Ger)**
[Situational therapy of acute thrombophlebitis] Heinrichs C, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):241–7 (Eng. Abstr.) **(Ger)**
[Therapeutic and prognostic problems in the therapy of venous diseases] Haid-Fischer F. **Z Orthop** 1984 Jul–Aug; 122(4):538–40 **(Ger)**
[Treatment of thrombotic occlusion of the pelvic and extremity veins. Comparison of three different types of treatment] Kalkowski H, et al. **Zentralbl Chir** 1984; 109(2):97–103 (Eng. Abstr.) **(Ger)**
[Experience with superficial thrombophlebitis of the lower extremities] Pollastri G, et al. **Minerva Cardioangiol** 1984 Apr;32(4):203–6 (Eng. Abstr.) **(Ita)**
[Clinical treatment of deep venous thrombosis] Maffei FH, et al. **AMB** 1984 Mar–Apr;30(3–4):73–9 (94 ref.) **(Por)**
[Treatment of deep venous thrombosis. Our experience in 252 cases] Jiménez Cossío JA, et al. **Angiologia** 1984 May–Jun;36(3):113–7 (Eng. Abstr.) **(Spa)**

URINE

Urinary excretion of thromboxane B2 in patients with venous thromboembolic disease. Klotz TA, et al. **Chest** 1984 Mar; 85(3):329–35

THROMBOPLASTIN

A collaborative calibration study of reference materials for thromboplastins. Hermans J, et al. **Thromb Haemost** 1983 Oct 31;50(3):712–7

ANALYSIS

[Intraglomerular coagulation with special reference to glomerular tissue thromboplastin] Miyoshi M, et al.
Nippon Jinzo Gakkai Shi 1983 Jun;25(6):663–86 (Eng. Abstr.) **(Jpn)**
[Studies on tissue thromboplastic activity assay method with chromogenic substrates (S-2222)] Fukuda C, et al.
Rinsho Byori 1984 Mar;32(3):313–6 **(Jpn)**

BIOSYNTHESIS

Inhibition of the thromboplastin response of endothelial cells in vitro. Galdal KS, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2723–6
The effect of serum on monocyte tissue factor generation. Edwards RL, et al. **Blood** 1984 Sep;64(3):707–14
Is lymphocyte co-operation necessary for thromboplastin synthesis by human monocytes? Lyberg T, et al.
Clin Exp Immunol 1983 Sep;53(3):731–8
Increased production of mononuclear cell procoagulant activity in Hodgkin's disease. Viero P, et al.
Eur J Cancer Clin Oncol 1983 Nov;19(11):1539–43
Direct induction of tissue factor synthesis by endotoxin in human macrophages from diverse anatomical sites. Semeraro N, et al. **Immunology** 1983 Dec;50(4):529–35
Interleukin 1 (IL-1) induces biosynthesis and cell surface expression of procoagulant activity in human vascular endothelial cells. Bevilacqua MP, et al. **J Exp Med** 1984 Aug 1;160(2):618–23
A distinct 'slow' cellular pathway involving soluble mediators for the T cell-instructed induction of monocyte tissue factor activity in an allogeneic immune response. Helin H, et al. **J Immunol** 1984 May;132(5):2457–63
The role of cellular cooperation in thromboplastin synthesis. Lyberg T, et al. **Nouv Rev Fr Hematol** 1983;25(5):291–3 (25 ref.)
Regulation of thromboplastin synthesis in mouse placental cells in vitro. Dalaker K, et al. **Thromb Haemost** 1983 Dec 30;50(4):831–4
Effect of cyclic AMP and cyclic GMP on thromboplastin (factor III) synthesis in human monocytes in vitro. Lyberg T. **Thromb Haemost** 1983 Dec 30;50(4):804–9

DEFICIENCY

The defective prothrombin consumption in Bernard-Soulier syndrome. Hypotheses from 1948 to 1982. Caen J, et al.
Blood Cells 1983;9(2):389–99

IMMUNOLOGY

[Antiprothrombinase antibodies and surgery] Gouin F.
Ann Fr Anesth Reanim 1984;3(4):244–5 **(Fre)**

METABOLISM

Stimulation of prothrombinase activity of platelets and erythrocytes by sub-lytic treatment with phospholipase C from Clostridium welchii. Comfurius P, et al.
Biochem Biophys Res Commun 1983 Dec 28;117(3):803–8
Effects of inhibitors of arachidonic acid metabolism on thromboplastin activity in human monocytes. Crutchley DJ. **Biochem Biophys Res Commun** 1984 Feb 29; 119(1):179–84
Redetermination of the rate-limiting step in the activation of factor IX by factor XIa and by factor VIIa/tissue factor. Explanation for different electrophoretic radioactivity profiles obtained on activation of 3H- and 125I-labeled factor IX. Bajaj SP, et al. **Biochemistry** 1983 Aug 16; 22(17):4047–53
Alterations in the apparent tissue factor (thromboplastin) expression in HeLa cells by a cellular factor Xa inhibitor. Smariga PE, et al. **Biochim Biophys Acta** 1983 Nov 22; 761(1):109–18
Increased tissue factor activity of monocytes/macrophages isolated from canine renal allografts. Rothberger H, et al.
Blood 1984 Mar;63(3):623–8
Production and availability of thromboplastin in endothelial cells: the effects of thrombin, endotoxin and platelets. Brox JH, et al. **Br J Haematol** 1984 Jun;57(2):239–46
'Clotspeed,' a mathematical simulation of the functional properties of prothrombinase. Nesheim ME, et al.
J Biol Chem 1984 Feb 10;259(3):1447–53
Blood coagulation in patients with benign and malignant tumours before and after surgery. Special reference to thromboplastin generation in monocytes. Osterud B, et al.
Scand J Haematol 1984 Mar;32(3):258–64
Macrophage heterogeneity in thromboplastin response. Lyberg T, et al. **Scand J Immunol** 1983 Sep;18(3):235–40

Selective increases of procoagulant activity in rabbit lymphoid populations in vitro following stimulation with endotoxin: dependence on anatomic source. McGee MP, et al. **Thromb Haemost** 1984 Apr 30;51(2):228–31

The activation of Factor IX by tissue factor–Factor VII in a bovine plasma system lacking Factor X. Jesty J, et al. **Thromb Res** 1983 Oct 15;32(2):171–81

[Modification effect of the protein component of tissue thromboplastin (factor III) on its interaction with factors VII and X] Zubairov DM, et al. **Biokhimiia** 1984 Jun; 49(6):971–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The inhibition of the anticoagulant activity of heparin by platelets, brain phospholipids, and tissue factor. Ofosu FA, et al. **Br J Haematol** 1984 Jun;57(2):229–38

Intravenous injections of tissue thromboplastin and phospholipase C in rabbits. Hetland O, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):35–40

PHYSIOLOGY

The role of tissue thromboplastin in the development of DIC accompanying neoplastic diseases. Gonmori H, et al. **Bibl Haematologica** 1983;49:23–39

Tissue factor in microvesicles shed from U87MG human glioblastoma cells induces coagulation, platelet aggregation, and thrombogenesis. Bastida E, et al. **Blood** 1984 Jul;64(1):177–84

Tissue factor–dependent activation of tritium–labeled factor IX and factor X in human plasma. Morrison SA, et al. **Blood** 1984 Jun;63(6):1338–47

Tissue factor is a major stimulus for vegetation formation in enterococcal endocarditis in rabbits. Drake TA, et al. **J Clin Invest** 1984 Jun;73(6):1750–3

Tissue factor activity. A marker of alveolar macrophage maturation in rabbits. Effects of granulomatous pneumonitis. Rothberger H, et al. **J Clin Invest** 1984 Jun; 73(6):1524–31

SECRETION

[Effect of thrombin on functional activity of macrophages and lymphocytes] Malezhik LP, et al. **Gematol Transfuziol** 1983 Sep;28(9):22–7 (Eng. Abstr.) **(Rus)**

STANDARDS

Standardisation of oral anticoagulant treatment [letter] van den Besselaar AM, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):486–7

Standardization of oral anticoagulant therapy [letter] Lam–Po–Tang PR. **Med J Aust** 1984 Jun 23;140(13):804

[Standardization problems in the monitoring of oral anticoagulants by Quick's thromboplastin time: an attempt to determine the state of the problem in Switzerland] Marti P, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1593–7 (Eng. Abstr.) **(Ger)**

TOXICITY

[Inhibitory effect of heparin in dogs with acute disseminated intravascular coagulation induced by tissue thromboplastin] Oguma Y. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep; 46(5):1099–116 (Eng. Abstr.) **(Jpn)**

URINE

Urinary procoagulant behaves as tissue factor by promoting factor VIIa–catalyzed activation of factor X. Kurosawa S, et al. **Thromb Res** 1984 Mar 15;33(6):595–606

THROMBOPLASTINOGEN see **FACTOR VIII**

THROMBOPOIETIN see under **GLYCOPROTEINS**

THROMBOSIS

Case report: late rupture of a thrombosed abdominal aortic aneurysm. Ricotta JJ, et al. **Surgery** 1984 Jun;95(6):753–5

Software survey section [editorial] Copley AL. **Thromb Res** 1984 Apr 15;34(2):I–III

Comparative study of thrombolysis by high and low molecular weight urokinase in an in vitro perfusion system. Greenwald SR, et al. **Thromb Res** 1983 Sep 15; 31(6):799–806

[Thrombosis of the superior vena cava] Serradimigni A, et al. **J Mal Vasc** 1984;9 Suppl A:17–9 **(Fre)**

[Hemorrhoids and perianal thrombosis—diagnosis, therapy, results] Klug W, et al. **Z Arztl Fortbild (Jena)** 1984; 78(7):263–7 **(Ger)**

[Clinical and therapeutic aspects of pelvic vein thrombosis in pregnancy and puerperium] Brandt M, et al. **Zentralbl Gynakol** 1984;106(1):40–5 (Eng. Abstr.) **(Ger)**

[Adhesive and thrombogenic properties of vascular prostheses] Dolgov VV, et al. **Khirurgiia (Mosk)** 1984 May; (5):112–6 **(Rus)**

BLOOD

Clotting system in prethrombotic state. Boisseau MR, et al. **Adv Exp Med Biol** 1984;164:19–29

Fibrinolysis and body weight: fibrinolytic response to venous occlusion in obese children. Coccheri S, et al. **Adv Exp Med Biol** 1984;164:235–42

Pathophysiology of arterial thrombosis. Lüscher EF. **Adv Exp Med Biol** 1984;164:11–8

Platelet and red cell involvement in mural thrombogenesis. Turitto VT, et al. **Ann NY Acad Sci** 1983;416:363–76

Demonstration of in situ fibrin degradation in pathologic thrombi. Francis CW, et al. **Blood** 1984 May;63(5):1216–24

Platelet reactivity in vivo in dogs with arterial prostheses seeded with endothelial cells. Clagett GP, et al. **Circulation** 1984 Mar;69(3):632–9

Morphological and hematological studies on the experimental saphenous vein thrombosis in beagle dogs. Sasaki K. **Nippon Juigaku Zasshi** 1984 Feb;46(1):11–9

An abnormal fibrinogen (Copenhagen II) with increased sialic acid content associated with thrombotic tendency and normal liver function. Hansen MS, et al. **Scand J Haematol** 1984 Jul;33(1):9–14

Abstracts: IX International Congress on Thrombosis and Haemostasis. 4–8 July 1983. **Thromb Haemost** 1983 Jul 3; 50(1):1–508

Blood viscosity in proliferative diabetic retinopathy and complicated retinal vein thrombosis. Trope GE, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):108–10

[Blood flow and thrombogenesis. Correlation of blood platelets, blood coagulation factors and the vascular wall] Baumgartner HR. **Internist (Berlin)** 1984 Feb;25(2):75–81 **(Ger)**

[Assay of the thromborheological properties of blood by measurement of the filtration pressure of normal blood across polycarbonate filters] Musumeci V, et al. **Ric Clin Lab** 1983;13 Suppl 3:303–8 (Eng. Abstr.) **(Ita)**

[Morphological changes of the platelets in prethrombotic states] Isobe J, et al. **Rinsho Byori** 1983 Jun;31(6):603–8 **(Jpn)**

[Mechanism of changes in leukocyte adherence in thrombosis] Lukjan H, et al. **Pol Arch Med Wewn** 1983 Jun;69(6):385–92 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Thrombotic microangiopathy and renal failure associated with antineoplastic chemotherapy. Jackson AM, et al. **Ann Intern Med** 1984 Jul;101(1):41–4

Heparin–associated thrombosis without thrombocytopenia. Phelan BK. **Ann Intern Med** 1983 Nov;99(5):637–8

Thrombocytopenia and heparin–associated thrombosis [letter] Trono DP, et al. **Ann Intern Med** 1984 Mar; 100(3):464–5

Tissue factor in microvesicles shed from U87MG human glioblastoma cells induces coagulation, platelet aggregation, and thrombogenesis. Bastida E, et al. **Blood** 1984 Jul;64(1):177–84

Intraglomerular thrombosis with deoxycoformycin—reversible acute renal failure [letter] Harris DC, et al. **Clin Nephrol** 1984 Mar;21(3):194–6

Steroid–induced thrombogenesis in rats. Reel JR, et al. **Int J Fertil** 1983;28(3):169–72

Thrombosis in patients treated with L–asparaginase [letter] Terebelo HR. **J Am Osteopath Assoc** 1983 Aug;82(12):885

Heparin–induced thrombosis. Herring WB, et al. **NC Med J** 1984 Mar;45(3):159–62

Complications of therapy in hemophilia. Hilgartner MW. **Pediatrics** 1984 Aug;74(2):290–1

Captopril–induced acute renal artery thrombosis and persistent anuria in a patient with documented pre–existing renal artery stenosis and renal failure. Williams PS, et al. **Postgrad Med J** 1984 Aug;60(706):561–3

Pulmonary veno–occlusive disease due to bleomycin therapy for lymphoma. Case reports. Rose AG. **S Afr Med J** 1983 Oct 8;64(16):636–8

[Thrombogenic thrombopenia induced by heparin] Homareau C, et al. **Ann Fr Anesth Reanim** 1984;3(4):315–7 (Eng. Abstr.) **(Fre)**

[Acute thrombosis of the aortic bifurcation caused by heparin allergy. Apropos of 5 cases] Viard P, et al. **J Chir (Paris)** 1983 Nov;120(11):643–6 (Eng. Abstr.) **(Fre)**

[Myocardial infarction and caval thrombosis associated with heparin–induced thrombopenia (letter)] Bache R, et al. **Presse Med** 1984 Apr 14;13(16):1006 **(Fre)**

[Vascular complications of oral contraception. In whom and how to prevent them?] Beaumont V, et al. **Presse Med** 1983 Dec 24;12(47):2977–81 (Eng. Abstr.) **(Fre)**

[A case of multiple thromboses: review of the cardiovascular complications of oral contraceptives] Hanssen C, et al. **Rev Med Liege** 1984 Jun 1;39(11):495–9 **(Fre)**

[Case report on the administration of diuretics during pregnancy] Meschede G, et al. **Geburtshilfe Frauenheilkd** 1983 Dec;43(12):759–61 (Eng. Abstr.) **(Ger)**

[Animal experiment studies of embolia cutis medicamentosa] Albrecht KH, et al. **Langenbecks Arch Chir** 1984; 362(1):17–23 (Eng. Abstr.) **(Ger)**

[Gangrene of the extremities following intravenous injection of neuroleptics] Möller HJ. **Nervenarzt** 1984 Jan;55(1):43–5 **(Ger)**

[Role of insulin in the development of the thrombohemorrhagic syndrome] Georgieva SA, et al. **Gematol Transfuziol** 1983 Dec;28(12):42–5 (Eng. Abstr.) **(Rus)**

[Spontaneous intravascular thrombocyte aggregation in angiographic studies] Tsyb AF, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):62–4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Splenic vein thrombosis with bleeding gastroesophageal varices. Reports of two splenectomized cases and review of the literature. Røder OC. **Acta Chir Scand** 1984; 150(3):265–8

Acupuncture and rehabilitation (III) effects of acupuncture applied to the normal side on osteoarthritis deformans and rheumatoid arthritis of the knee and on disorders in motility of the knee joint after cerebral hemorrhage and thrombosis. Arichi S, et al. **Am J Chin Med** 1983;11(1–4):146–9

Giant cavernous hemangioma of the liver complicated by abscess and thrombosis. Berliner L, et al. **Am J Gastroenterol** 1983 Dec;78(12):835–40

Isolated gastric varices due to spontaneous splenic vein thrombosis. Goldberg S, et al. **Am J Gastroenterol** 1984 Apr;79(4):304–7

Infection of a ventricular aneurysm and cardiac mural thrombus. Survival after surgical resection. Venezio FR, et al. **Am J Med** 1984 Sep;77(3):551–4

An unusual case of fetal distress. Eggens JH, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):219–20

Pulmonary embolism secondary to venous thrombosis of the arm. Harley DP, et al. **Am J Surg** 1984 Feb;147(2):221–4

'Miracle cure' of a psychiatric disorder. A case for thorough physical assessment. Klein RL. **Arch Intern Med** 1984 May; 144(5):1067

Septic cavernous sinus thrombosis associated with gingivitis and parapharyngeal abscess. Harbour RC, et al. **Arch Ophthalmol** 1984 Jan;102(1):94–7

Renal vein thrombosis and massive medullary necrosis in a renal allograft [letter] Keen ME. **Arch Pathol Lab Med** 1984 Aug;108(8):610–1

Right atrial thrombus leading to pulmonary embolism. van Kuyk M, et al. **Br Heart J** 1984 Apr;51(4):462–4

Vascular changes in hyperacute meningococcal sepsis as a manifestation of pathogenic action of immune complexes. Gurevich PS, et al. **Cor Vasa** 1983;25(6):443–9

Thrombosis of the right umbilical artery, presumably related to the shortness of the umbilical cord: an unusual cause of fetal distress. Devlieger H, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):123–7

Cavernous sinus thrombosis with retrobulbar mass and hemiplegia. Rodrigues R, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):457–9

Multiple calcified thrombi (rocks) in the right ventricle. Patel AK, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1224–7

Cerebral embolism due to non–bacterial thrombotic endocarditis following pregnancy. George J, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):79–80

Renal tubular acidosis type 4 in neonatal unilateral kidney diseases. Alon U, et al. **J Pediatr** 1984 Jun;104(6):855–60

Portal obstruction in children. I. Clinical investigation and hemorrhage risk. Alvarez F, et al. **J Pediatr** 1983 Nov; 103(5):696–702

Portal hypertension due to extrahepatic portal venous obstruction. A review of 40 cases. Macpherson AI. **J R Coll Surg Edinb** 1984 Jan;29(1):4–10

Renal vein thrombosis and the nephrotic syndrome. Segasothy M, et al. **Med J Malaysia** 1983 Jun;38(2):114–7

Suppurative thrombarteritis as a complication of arterial cannulation: case report. Lagrone MO, et al. **Milit Med** 1984 Apr;149(4):219–20

'Lithiasis' of the tricuspid valve associated with superior vena caval thrombosis and a LeVeen shunt: case report. Reyes CV, et al. **Milit Med** 1984 Apr;149(4):213–5

Case report 265. Scalloping and destruction of pedicles of lumbar vertebral bodies on the right side secondary to venous collaterals, associated with thrombosis of the inferior vena cava. Singson RD, et al. **Skeletal Radiol** 1984; 11(4):293–5

Macular edema secondary to occlusion of the retinal veins. Gutman FA, et al. **Surv Ophthalmol** 1984 May;28 Suppl:462–70

[Unexplained intracardiac thrombus responsible for multiple embolism (letter)] Deliere T, et al. **Presse Med** 1983 Dec 24;12(47):3001 **(Fre)**

[Subclavian floating thrombus responsible for encephalo–digital syndrome. 2 cases] Ferrière M, et al. **Presse Med** 1984 Jan 14;13(1):27–29 (Eng. Abstr.) **(Fre)**

[Acute ischemia of the lower limbs in nephrotic syndrome in a young woman] Liote H, et al. **Sem Hop Paris** 1983 Nov 10;59(41):2831–3 (Eng. Abstr.) **(Fre)**

[Arterial thrombosis in the nephrotic syndrome] Malinverni R, et al. **Schweiz Med Wochenschr** 1983 Oct 29; 113(43):1576–80 (Eng. Abstr.) **(Ger)**

[Polyploidy patterns of megakaryocytes in patients with thrombotic paraneoplasia and in controls] Pfitzer P, et al. **Verh Dtsch Ges Pathol** 1983;67:478–82 (Eng. Abstr.) **(Ger)**

[Left–ventricular thrombosis in hypoplastic left heart syndrome: echocardiographic diagnosis] Hausdorf G, et al. **Z Kardiol** 1984 Jan;73(1):66–9 (Eng. Abstr.) **(Ger)**

[Mesenteric infarct caused by venous thrombosis. Diagnostic and therapeutic considerations on 6 surgically treated cases] Daniele GM, et al. **Minerva Chir** 1983 Dec 15–31; 38(23–24):1983–95 (Eng. Abstr.) **(Ita)**

[Case of Rendu–Osler disease associated with a giant hematoma of the mesocolon and renovascular hypertension caused by thrombosis] Baba S, et al. **Nippon Jinzo Gakkai Shi** 1983 Jun;25(6):747–53 (Eng. Abstr.) **(Jpn)**

[Myocardial electrode fixation by resecting costal cartilage

in a patient with bilateral innominate vein occlusions. A case report] Sanitoh M, et al. **Rinsho Kyobu Geka** 1984 May;4(3):342–6 (Eng. Abstr.) **(Jpn)**

[New method of treating clotted hemothorax] Alekseenko AV, et al. **Klin Khir** 1984 May;(5):60–1 **(Rus)**

[Thrombosis and thrombophlebitis of the portal vein] Zerbino DD, et al. **Klin Khir** 1983 Sep;(9):32–5 (Eng. Abstr.) **(Rus)**

[Causes of removal of kidney allotransplants] Rozental' RL, et al. **Vestn Khir** 1983 Jul;131(7):125–8 (Eng. Abstr.) **(Rus)**

[A case of spontaneous rupture of thrombophlebitic spleen] Ivanov IK, et al. **Voen Med Zh** 1983 Jul;(7):65–6 **(Rus)**

[Case report of a patient with a uterine myoma and thrombosis of the left common iliac vein] Dračа P, et al. **Srp Arh Celok Lek** 1983 May;111(5):675–8 **(Sec)**

CONGENITAL

Congenital aortic thrombosis with complete obliteration of the aortic arch and the great vessels. Ahmadi A, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):256–9

[Congenital unilateral renal venous thrombosis in a preterm infant] Alkalay A, et al. **Harefuah** 1983 Apr 1;104(7):283–4 (Eng. Abstr.) **(Heb)**

DIAGNOSIS

Mesenteric vein thrombosis presenting as a neurological problem. Lanthier P, et al. **Acta Clin Belg** 1984;39(2):92–6

Sonography of cavernous transformation of the portal vein. Kauzlaric D, et al. **AJR** 1984 Feb;142(2):383–4

Infection and right atrial pseudotumor complicating a ventriculostrial shunt for hydrocephalus. Iqbal SM, et al. **Am J Cardiol** 1984 Sep 1;54(6):668–70

Narrow-based left ventricular thrombus. Kessler KM, et al. **Am J Cardiol** 1984 Feb 1;53(4):645–6

Two-dimensional echocardiographic appearance of left ventricular thrombi with systemic emboli after myocardial infarction. Meltzer RS, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1511–3

Right atrial thrombus detected by two-dimensional echocardiography after acute pulmonary embolism. Spirito P, et al. **Am J Cardiol** 1984 Aug 1;54(3):467

Right ventricular thrombus formation in association with acute myocardial infarction: diagnosis by 2-dimensional echocardiography. Stowers SA, et al. **Am J Cardiol** 1983 Oct 1;52(7):912–3

Echocardiographic detection of free-floating left atrial thrombus. Tabak SW, et al. **Am J Cardiol** 1984 Jan 15; 53(2):374–5

Late sequelae of deep venous thrombosis. Diagnostic and therapeutic considerations. Halstuk K, et al. **Am J Surg** 1984 Feb;147(2):216–20

'Golfer's calf' or is it? Authentic case histories from Australian general practice illustrating pitfalls in diagnosis and management. Piterman L. **Aust Fam Physician** 1983 Nov;12(11):793

Echocardiographic features of free floating thrombus mimicking right ventricular myxoma [letter] St John Sutton MG. **Br Heart J** 1983 Dec;50(6):605

Platelet and vascular arachidonic acid metabolites: can they help detect a tendency towards thrombosis? [editorial] Patrono C, et al. **Br J Haematol** 1984 Jun;57(2):209–12

Does 111indium-platelet deposition predict patency in prosthetic arterial grafts? Goldman M, et al. **Br J Surg** 1983 Oct;70(10):635–8

A new screening technique for renal artery occlusive disease. Norris CS, et al. **Curr Surg** 1984 Mar–Apr;41(2):83–6

Portal vein thrombosis in hepatocellular carcinoma demonstrated by ultrasound. Tang-Barton P, et al. **Diagn Imag Clin Med** 1984;53(2):73–76

Left ventricular thrombus following acute myocardial infarction: a prospective serial echocardiographic study of 96 patients. Visser CA, et al. **Eur Heart J** 1983 May; 4(5):333–7

Partial splenoportal and superior mesenteric venous thrombosis. Early sonographic diagnosis and successful conservative management. Verbanck JJ, et al. **Gastroenterology** 1984 May;86(5 Pt 1):949–52

Two-dimensional echocardiography for stroke patients. Kotler MN, et al. **Geriatrics** 1983 Dec;38(12):57–9, 63–4, 66

The evaluation of the patient with a suspected bleeding or thrombotic tendency: a study of 290 cases. Sweeney JD, et al. **Ir Med J** 1983 Nov;76(11):449, 451–3

Two-dimensional echocardiographic imaging of left atrial appendage thrombi. Herzog CA, et al. **J Am Coll Cardiol** 1984 May;3(5):1340–4

Splenic vein thromobosis: a diagnostic dilemma. Gupta BS, et al. **J Assoc Physicians India** 1983 Apr;31(4):252–3

Membranous obstruction of the inferior vena cava: an ultrasound, computed tomography, and inferior vena cavogram image correlation. Gerlock AJ Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):567–9

Paths to progress I: thrombosis and coagulation laboratory. Comp PC, et al. **J Okla State Med Assoc** 1984 Jan;77(1):7–8

Case of the month. Portal vein thrombosis. Kossol JM. **J Ultrasound Med** 1983 Nov;2(11):R124, R129–30

Clinical features of intracardiac thrombosis based on echocardiographic observation. Beppu S, et al. **Jpn Circ J** 1984 Jan;48(1):75–82

Noninvasive diagnosis of thrombus in the heart and large vessels—usefulness of two-dimensional echocardiography and X-ray CT. Masuda Y, et al. **Jpn Circ J** 1984 Jan; 48(1):83–9

Pulmonary veno-occlusive disease in an elderly man: case report and review of the literature. Okubo S, et al. **Jpn Circ J** 1984 Jun;48(6):602–9

Doppler ultrasound diagnosis of complications of polytetrafluoroethylene (PTFE) graft shunts. Tordoir JH, et al. **Neth J Surg** 1984 Apr;36(2):42–4

Echographic diagnosis of neonatal renal venous thrombosis. Metreweli C, et al. **Pediatr Radiol** 1984;14(2):105–8

Iliofemoral venous thrombosis: real-time ultrasound diagnosis, normal criteria, and clinical application. Effeney DJ, et al. **Radiology** 1984 Mar;150(3):787–92

Ultrasonographic and computed tomographic findings of thromboembolism of the portal system by superior mesenteric vein thrombosis as a complication of appendicitis. Oei TK, et al. **ROFO** 1984 Apr;140(4):473–5

Echocardiographic diagnosis of left atrial ball-valve thrombus. A case report. Gillmer D, et al. **S Afr Med J** 1984 Apr 21;65(16):662

Neonatal hemorrhage and thrombosis. McDonald MM, et al. **Semin Perinatol** 1983 Jul;7(3):213–25 (147 ref.)

Axillary vein thrombosis simulating superior vena cava syndrome. Dellinger RP, et al. **South Med J** 1984 Apr; 77(4):507–10

Renal venous thrombosis in children: changes in management. Reimold EW, et al. **South Med J** 1983 Oct; 76(10):1277–84 (30 ref.)

['Four method of diagnosis' in the observation of 489 cases of thrombotic syndrome in war injuries] Qin ML. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):218–9 **(Chi)**

[Echography for the differentiation between a ruptured cyst of the popliteal space and thrombosis of the deep veins of the calf] van der Woude GJ, et al. **Ned Tijdschr Geneeskd** 1984 Apr 14;128(15):699–703 (Eng. Abstr.) **(Dut)**

[Demonstration of thrombophlebitis in jugular veins] Pöyhönen L, et al. **Duodecim** 1983;99(14):900–2 **(Fin)**

[A case of mesenteric venous thrombosis. Review of the literature] Mendes da Costa P, et al. **Acta Chir Belg** 1983 Nov–Dec;83(6):411–5 (Eng. Abstr.) **(Fre)**

[Detection of left intraventricular thrombi in the acute phase of myocardial infarction by 2-dimensional echocardiography. Apropos of 103 cases] Bénichou M, et al. **Arch Mal Coeur** 1983 Sep;76(9):1012–9 (Eng. Abstr.) **(Fre)**

[2-dimensional echocardiographic diagnosis of an intracardiac thrombus in children] Rey C, et al. **Arch Mal Coeur** 1984 May;77(5):503–9 (Eng. Abstr.) **(Fre)**

[Thrombosis of the dorsal vein of the penis. Apropos of 2 cases] Thomazeau H, et al. **J Urol (Paris)** 1983;89(9):691–2 (Eng. Abstr.) **(Fre)**

[Left intraventricular thrombus. Necessity and limitations of the echocardiographic examination (letter)] Drui S, et al. **Presse Med** 1984 Apr 7;13(15):940 **(Fre)**

[Thrombus temporarily wedged in the tricuspid valve. Detection with bidimensional echocardiography (letter)] Gully C, et al. **Presse Med** 1984 Jan 14;13(1):47 **(Fre)**

[Inferior caval syndromes. Apropos of 45 cases] Fassin D, et al. **Sem Hop Paris** 1984 Jan 12;60(1):35–41 (Eng. Abstr.) **(Fre)**

[Unilateral renal vein thrombosis in infancy—a case report] Radke M, et al. **Kinderarztl Prax** 1983 May;51(5):231–5 (Eng. Abstr.) **(Ger)**

[Thrombosis of the internal jugular vein] Zanella FE. **ROFO** 1984 Jun;140(6):731–3 **(Ger)**

[Ultrasound diagnosis of venous tumor thrombi in kidney cancer. A prospective study] Schwerk WB, et al. **Urologe [Ausg A]** 1984 Jul;23(4):214–8 (Eng. Abstr.) **(Ger)**

[Disappearance of a left intraventricular thrombus documented by bidimensional echocardiography] Iarussi D, et al. **Boll Soc Ital Cardiol** 1983 Apr;28(4):353–7 (Eng. Abstr.) **(Ita)**

[M-mode and two-dimensional echocardiography in the evaluation of right atrial masses] Makihata S, et al. **J Cardiogr** 1983 Sep;13(3):633–48 (Eng. Abstr.) **(Jpn)**

[Comparison of left atrial thrombi and myxoma by two-dimensional echocardiography and computed tomography] Mizushige K, et al. **J Cardiogr** 1983 Dec; 13(4):1075–7 **(Jpn)**

[Two-dimensional echocardiographic observation of a rapidly growing floating left atrial ball thrombus: report of a case with mitral stenosis] Morisaki T, et al. **J Cardiogr** 1983 Sep;13(3):749–60 (Eng. Abstr.) **(Jpn)**

[Two-dimensional echo-cardiographic study on left atrial thrombi in patients with a mitral prosthetic valve] Tsuyuguchi N, et al. **J Cardiogr** 1983 Dec;13(4):923–33 (Eng. Abstr.) **(Jpn)**

[Clinical significance of fibrinopeptide A in surgery] Fuwa S. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):191–205 (Eng. Abstr.) **(Jpn)**

[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382–92 (Eng. Abstr.) **(Jpn)**

[Occlusion of the brachial and ulnar arteries caused by thrombosis in 2 children with congenital defects of the cardiovascular system] Ritter A, et al. **Pediatr Pol** 1983 Aug–Sep;58(8–9):721–5 **(Pol)**

[Measurement of factor XIII (FSF) as an indicator of thrombosis risk in chronic coronary insufficiency and myocardial infarction] Kłoczko J, et al. **Pol Arch Med Wewn** 1983 Nov–Dec;70(5–6):239–43 (Eng. Abstr.) **(Pol)**

[Paget–Schroetter syndrome] Drabek A, et al. **Pol Tyg Lek** 1983 Jun 13;38(24):725–8 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in renal vein thrombosis in cancer of the kidney] Bielecki K, et al. **Wiad Lek** 1983 Sep 1; 36(17):1455–9 (Eng. Abstr.) **(Pol)**

[Intraoperative use of ultrasonography for the detection of vascular defects] Coelho JC, et al. **AMB** 1983 Mar–Apr; 29(3–4):71–3 (Eng. Abstr.) **(Por)**

[Possibilities for the noninvasive diagnosis of intracardiac thrombi] Korytnikov KI, et al. **Klin Med (Mosk)** 1984 Mar; 62(3):110–5 (Eng. Abstr.) **(Rus)**

[Complex preoperative x-ray and echocardiographic diagnosis of left atrial thrombi in mitral stenosis patients] Grishkevich AM, et al. **Sov Med** 1983;(10):7–12 (Eng. Abstr.) **(Rus)**

[Echocardiographic diagnosis of left-ventricular thrombi] Kipshidze NN, et al. **Ter Arkh** 1984;56(4):133–5 **(Rus)**

[Current methods of study of blood coagulation disorders in patients with prostatic adenoma] Mazo EB, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):27–32 (10 ref.) (Eng. Abstr.) **(Rus)**

[Diagnosis of thrombotic masses in the left ventricle by means of sectoral scanning] Charchoglian RA, et al. **Vestn Akad Med Nauk SSSR** 1984;(2):86–90 (Eng. Abstr.) **(Rus)**

[Venous thrombosis of the upper limb] Mateo AM. **Angiologia** 1983 Nov–Dec;35(6):251–5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A modified technique for infusion of low-dose streptokinase into the lower extremities. Pilla T, et al. **AJR** 1984 Jun; 142(6):1213–4

Clearing of clotted dialysis shunts by streptokinase injection at multiple sites. Zeit RM. **AJR** 1983 Nov;141(5):1053–4

Successful streptokinase therapy of prosthetic aortic valve thrombosis. Draur RA. **Am Heart J** 1984 Sep;108(3 Pt 1):605–6

Use of antiplatelet agents in pediatric hypercoagulable states. Hathaway WE. **Am J Dis Child** 1984 Mar;138(3):301–4

Local low-dose streptokinase thrombolysis of a thrombosed arteriovenous fistula [letter] Minar E, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):66–7

Discrepancy in the thrombolytic effect of UK between angiographic and circulatory evaluations. Matsuo O, et al. **Angiology** 1984 Aug;35(8):523–7

Streptokinase salvage of renal function after renal vein thrombosis. Burrow CR, et al. **Ann Intern Med** 1984 Feb; 100(2):237–8

Fibrinolytic therapy for bilateral renal vein thrombosis. Crowley JP, et al. **Arch Intern Med** 1984 Jan;144(1):159–60

Ancrod in systemic lupus erythematosus with thrombosis. Clinical and fibrinolysis effects. Dosekun AK, et al. **Arch Intern Med** 1984 Jan;144(1):37–42

Thrombolytic therapy in renal vein thrombosis [editorial] Harrington JT. **Arch Intern Med** 1984 Jan;144(1):33–4

Venous thrombosis as a cause of superior vena cava syndrome. Rapid response to streptokinase. Katz PO, et al. **Arch Intern Med** 1983 May;143(5):1050–2

Is streptokinase safe during menses? Simel DL, et al. **Arch Intern Med** 1984 Apr;144(4):841–2

3rd Congress on Thrombosis and Hemostasis. Berne, February 15–18, 1984. **Blut** 1984 Aug;49(2):117–84

Management of superficial femoral artery thrombosis [letter] del Campo C. **Can Med Assoc J** 1984 Mar 1;130(5):549

Subclavian-axillary vein thrombosis: successful treatment with streptokinase. Wilson JJ, et al. **Can Med Assoc J** 1984 Apr 1;130(7):891–3

Streptokinase thrombolysis of a chronically thrombosed mitral prosthetic valve. Gagnon RM, et al. **Cathet Cardiovasc Diagn** 1984;10(1):5–10

Studies on heart. XXIV. Inhibitory effect of antiarrhythmic peptide (AAP) on experimental thromboses. Aonuma S, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):219–27

The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and two-dimensional echocardiography. Stratton JR, et al. **Circulation** 1984 Mar;69(3):561–8

Coronary thrombolysis with intravenously administered human tissue-type plasminogen activator produced by recombinant DNA technology. Van de Werf F, et al. **Circulation** 1984 Mar;69(3):605–10

Streptokinase for deep venous thrombosis. Lesser B, et al. **Henry Ford Hosp Med J** 1984;32(1):75

Focal intravascular coagulation in progressive ascending telangiectasia: ultrastructural studies of ketoconazole-induced involution of vessels. Shelley WB, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):876–87

Immediate postoperative thrombosis of the umbilical vein treated by low-dose streptokinase infusion: report of a case. Kingsbury JA. **J Am Osteopath Assoc** 1983 Dec;83(4):312–6

Urokinase treatment for arteriovenous fistulae declotting in dialyzed patients. Mangiarotti G, et al. **Nephron** 1984; 36(1):60–4

Local thrombolytic therapy for subclavian and axillary vein

thrombosis. Treatment of the thoracic inlet syndrome. Becker GJ, et al. **Radiology** 1983 Nov;149(2):419–23

The systemic fibrinolytic effect of low-dose intraarterial streptokinase: observations in 12 patients. Work in progress. Rubenfire M, et al. **Radiology** 1984 Jul;152(1):41–3

Thrombolytic therapy. Duckert F. **Semin Thromb Hemost** 1984 Jan;10(1):87–103

Low-dose streptokinase therapy for subclavian vein thrombosis. Appleby DH, et al. **South Med J** 1984 Apr; 77(4):536–7

Lysis of arterial clot by intravenous or intra-arterial administration of streptokinase. Dardik H, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):137–40

Systemic fibrinolytic activity and inhibitor levels during treatment of deep vein thrombosis with urokinase and streptokinase. Theiss W, et al. **Thromb Haemost** 1983 Oct 31;50(3):664–8

Controlled multicenter pilot study of urokinase- heparin and streptokinase in deep vein thrombosis. van de Loo JC, et al. **Thromb Haemost** 1983 Oct 31;50(3):660–3

Registry of Prospective Clinical Trials—Sixth Report. Verstraete M. **Thromb Haemost** 1984 Apr 30;51(2):283–90

Antithrombin III in patients with acute deep vein thrombosis during heparin treatment (subcutaneous and intravenous) and during and after treatment with oral coumarins. Andersson G, et al. **Thromb Res** 1984 May 15;34(4):333–40

[Trends in studies of activation of blood circulation and treatment of stasis] Chen KJ. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):134–9 **(Chi)**

[Current practice in the application of activating blood circulation and removing stasis in the surgical department] Tan YC. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Sep; 3(5):313–5 **(Chi)**

[Observation on efficiency of the treatment of the retinal vein by 'Huo Xue Hua Yu' method] Xu JY. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):140–2 (Eng. Abstr.) **(Chi)**

[Cavernous sinus thrombophlebitis—report of 57 cases] Fang SY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb;17(1):33–5 (Eng. Abstr.) **(Chi)**

[Heparins and thrombosis] Vairel EG, et al. **Agressologie** 1983 Nov;24(11):535–7 (Eng. Abstr.) **(Fre)**

[Medical treatment of retinal vein thrombosis] Algan B. **Bull Soc Belge Ophtalmol** 1982;201:15–21 (Eng. Abstr.) **(Fre)**

[Comparative study of the treatments for edematous venous occlusion of the retina] Arnoux M, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):297–300 **(Fre)**

[Streptokinase treatment of deep vein thrombosis of the lower limbs. A new protocol with local thrombolysis (letter)] Marcon JL, et al. **Presse Med** 1983 Dec 10;12(45):2883 **(Fre)**

[Local streptokinase thrombolysis in a Cimino shunt thrombosis] Minar E, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1884–5 (Eng. Abstr.) **(Ger)**

[Fibrinolytic therapy of deep vein thrombosis of the leg and pelvis with streptokinase and urokinase] Hasler K, et al. **Med Welt** 1983 Oct 28;34(43):1225–9 **(Ger)**

[Local thrombolytic therapy of arterial occlusions in various circulatory areas] Thiele C, et al. **MMW** 1984 Jan 6; 126(1):7–12 (Eng. Abstr.) **(Ger)**

[Antithrombosis prophylaxis with subcutaneous calciparin in high-risk pregnancies] Grio R, et al. **Minerva Ginecol** 1984 Jan-Feb;36(1–2):59–60 (Eng. Abstr.) **(Ita)**

[Use of calciparin, curantyl and polopirin S in the treatment of retinal vein thrombosis] Karczewiczowa D, et al. **Klin Oczna** 1984 Mar;86(3):129–30 (Eng. Abstr.) **(Pol)**

[Results of treatment of acute renal vein thrombosis with streptokinase] Grygalewicz J, et al. **Pediatr Pol** 1983 Dec; 58(12):989–93 **(Pol)**

[Thrombolytic effect of tricholysine in experimental thrombosis] Gavrilov OK, et al. **Gematol Transfuziol** 1983 Jul;28(7):37–41 (Eng. Abstr.) **(Rus)**

[Liver function in animals with experimental thrombosis after administration of a thrombolytic drug tricholysine] Gavrilov OK, et al. **Gematol Transfuziol** 1983 Sep; 28(9):27–9 (Eng. Abstr.) **(Rus)**

[Tricholysine-induced histological changes in experimental thrombosis] Gavrilov OK, et al. **Gematol Transfuziol** 1983 Aug;28(8):50–2 (Eng. Abstr.) **(Rus)**

[Anticoagulant therapy with antivitamins K] Bokarev IN, et al. **Klin Med (Mosk)** 1984 Jan;62(1):18–24 **(Rus)**

[Streptodecase in the treatment of retinal vein thromboses] Katsnel'son LA, et al. **Vestn Oftalmol** 1983 Sep-Oct; (5):60–3 (Eng. Abstr.) **(Rus)**

[Acetylsalicylic acid in acute arterial insufficiency. The effect of low doses] Dobrić S, et al. **Vojnosanit Pregl** 1983 Nov-Dec;40(6):415–20 **(Scr)**

ETIOLOGY

On the mechanism of platelet activation during hemostasis and thrombosis and on the effects of platelet inhibiting drugs. Breddin K, et al. **Adv Exp Med Biol** 1984;164:145–54

The thrombogenic risk in chronic respiratory failure. Musca A, et al. **Adv Exp Med Biol** 1984;164:369–75

Fibrinolytic vessel wall activator in arterial thrombosis. Stormorken H. **Adv Exp Med Biol** 1984;164:243–9

Coagulation and thromboembolic complications in the nephrotic syndrome. Cameron JS. **Adv Nephrol** 1984; 13:75–114 (213 ref.)

Focal hepatic infarction with bile lake formation. Peterson IM, et al. **AJR** 1984 Jun;142(6):1155–6

Multiple intracardiac masses complicating peritoneo-venous (LeVeen) shunt. Pietro DA, et al. **Am Heart J** 1984 Sep; 108(3 Pt 1):606–8

Transient ('hole-in-one') occlusion of the mitral valve orifice by a free-floating left atrial ball thrombus: identification by two-dimensional echocardiography. Gottdiener JS, et al. **Am J Cardiol** 1984 Jun 1;53(11):1730

Origin of transient right atrial thrombus during acute myocardial infarction [letter] Panidis IP, et al. **Am J Cardiol** 1984 Mar 15;53(7):990

Purpura fulminans following late-onset group B beta-hemolytic streptococcal sepsis. Issacman SH, et al. **Am J Dis Child** 1984 Oct;138(10):915–6

Deep vein thrombosis in intravenous drug abusers presenting as a systemic illness. Kurtin P, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):44–5

Use of noninvasive laboratory testing in the prediction of thrombosis in the nephrotic syndrome. Francis RB Jr, et al. **Am J Nephrol** 1984 Jan-Feb;4(1):43–7

Dehydration, renal vein thrombosis and hyperkalemic renal tubular acidosis in a newborn. Glassock RJ, et al. **Am J Nephrol** 1983 Nov-Dec;3(6):329–37

Subclavian thrombosis following hockey injuries. Butsch JL. **Am J Sports Med** 1983 Nov-Dec;11(6):448–50

Vascular trauma secondary to diagnostic and therapeutic procedures: 1974 through 1982. A comparative review. Youkey JR, et al. **Am J Surg** 1983 Dec;146(6):788–91

Hypotension and closure of hemodialysis access shunts. Berger A, et al. **Am Surg** 1983 Oct;49(10):551–3

Delayed, distant arterial injury after brachial artery catheterization. Berardis JM, et al. **Angiology** 1984 Jun; 35(6):380–2

Left ventricular mural thrombi complicating acute myocardial infarction. Long-term follow-up with serial echocardiography. Weinreich DJ, et al. **Ann Intern Med** 1984 Jun;100(6):789–94

Shoulder joint rupture and pseudothrombosis in rheumatoid arthritis. De Jager JP, et al. **Ann Rheum Dis** 1984 Jun; 43(3):503–4

Management of angioplasty complications, unsuccessful procedures and early and late failures. Samson RH, et al. **Ann Surg** 1984 Feb;199(2):234–40

Thrombotic and infectious complications of Hickman-Broviac catheters. Jacobs MB, et al. **Arch Intern Med** 1984 Aug;144(8):1597–9

Papilledema in the metastatic jugular foramen syndrome. Graus F, et al. **Arch Neurol** 1983 Dec;40(13):816–8

Thrombotic microangiopathy in anti-glomerular basement membrane glomerulonephritis. Stave GM, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):747–51

Central venous thrombosis and embolism associated with peritoneovenous shunts. Foley WJ, et al. **Arch Surg** 1984 Jun;119(6):713–20

Potential for endotoxin-activated Kupffer's cells to induce microvascular thrombosis. Maier RV, et al. **Arch Surg** 1984 Jan;119(1):62–7

Traumatic aneurysm of the abdominal aorta with acute thrombosis of bilateral iliac arteries. Matsubara J, et al. **Arch Surg** 1983 Nov;118(11):1337–9

Renal vein thrombosis and inferior vena cava thrombosis in systemic lupus erythematosus. Frequency and risk factors. Mintz G, et al. **Arthritis Rheum** 1984 May;27(5):539–44

Bleeding and thrombosis in the myeloproliferative disorders. Schafer AI. **Blood** 1984 Jul;64(1):1–12 (103 ref.)

The molecular interaction between platelet and vascular wall. Legrand YJ, et al. **Blood Cells** 1983;9(2):263–74

Thrombosis in systemic lupus erythematosus: striking association with the presence of circulating lupus anticoagulant. Boey ML, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1021–3

Thrombosis in systemic lupus erythematosus [letter] Leung AC. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1628

Central retinal venous occlusion and drop of intraocular pressure. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1982; 201:23–8

Iatrogenic superior vena cava syndrome. A new entity. Bertrand M, et al. **Cancer** 1984 Jul 15;54(2):376–8

Subclavian vein thrombosis in patients treated with infusion chemotherapy for advanced malignancy. Lokich JJ, et al. **Cancer** 1983 Nov 1;52(9):1586–9

Thrombotic disease in newborn infants. Schmidt B, et al. **Clin Perinatol** 1984 Jun;11(2):461–88 (184 ref.)

Mesenteric venous thrombosis as sole complication of decompression sickness. Gertler SL, et al. **Dig Dis Sci** 1984 Jan;29(1):91–5

Thrombohaemorrhagic complications in 101 cases of myeloproliferative disorders: relationship to platelet number and function. Barbui T, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1593–9

Popliteal arterial thrombosis resulting from disruption of the upper tibial epiphysis. McGuigan JA, et al. **Injury** 1984 Jul;16(1):49–50

Acute thrombosis of Sorin tilting disc mitral prostheses. Agozzino L, et al. **Int J Cardiol** 1984 Mar;5(3):351–9

Thrombotic obstruction of Bjork-Shiley valves—diagnostic and surgical considerations. Balram A, et al. **Int J Cardiol** 1984 Jul;6(1):61–73

Venous obstruction from temporary pacing through the subclavian vein. Pauletti M, et al. **Int J Cardiol** 1983 Sep; 4(2):189–92

Some aspects of the molecular pathology of thrombosis and haemorrhage. Gaffney PJ. **Ir J Med Sci** 1984 Jan; 153(1):2–10

Early postoperative thrombosis: a risk factor in lower limb revascularization? Scintu F. **Ital J Surg Sci** 1984; 14(2):131–4

Thrombosis of mechanical cardiac valves: a qualitative comparison of the silastic ball valve and the tilting disc valve. Metzdorff MT, et al. **J Am Coll Cardiol** 1984 Jul; 4(1):50–3

The hemodynamic forces acting on thrombi, from incipient attachment of single cells to maturity and embolization. Basmadjian D. **J Biomech** 1984;17(4):287–98

Superior vena caval thrombosis and recurrent pericarditis caused by a bronchogenic cyst. Gayet C, et al. **J Cardiovasc Surg (Torino)** 1984 Jan-Feb;25(1):86–9

Budd-Chiari syndrome with inferior vena cava obstruction associated with systemic lupus erythematosus. Disney TF, et al. **J Clin Gastroenterol** 1984 Jun;6(3):253–6

Portal vein thrombosis following hepatic portoenterostomy. Hyams JS, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov; 2(4):701–4

Complications of TPN catheter-induced vena caval thrombosis in children less than one year of age. Mollitt DL, et al. **J Pediatr Surg** 1983 Aug;18(4):462–7

Retinal vein thrombosis despite treatment for hypertension. Alvarez E, et al. **J R Coll Physicians Lond** 1984 Apr; 18(2):142–3

Microthrombosis during endotoxemia: potential role of hepatic versus alveolar macrophages. Maier RV, et al. **J Surg Res** 1984 Apr;36(4):362–70

Viral infection may lead to vessel wall problems [news] Gunby P. **JAMA** 1984 Mar 2;251(9):1131–2

Subclavian venous thrombosis due to indwelling catheters: a prospective study on 52 patients. Bozzetti F, et al. **JPEN** 1983 Nov-Dec;7(6):560–2

Anticardiolipin antibodies: detection by radioimmunoassay and association with thrombosis in systemic lupus erythematosus. Harris EN, et al. **Lancet** 1983 Nov 26; 2(8361):1211–4

Lupus anticoagulant and thrombosis in systemic lupus erythematosus [letter] Jungers P, et al. **Lancet** 1984 Mar 10;1(8376):574–5

The effect of stasis on a microvascular anastomosis. Fernandez EJ, et al. **Microsurgery** 1983;4(3):176–7

Molecular bad actors and thrombosis [editorial] Marder VJ. **N Engl J Med** 1984 Mar 1;310(9):588–9

Substernal goitre, deep venous thrombosis of the arm, and Pemberton's sign. Klaasen-Udding LM, et al. **Neth J Med** 1983;26(8):228–31

Hereditary antithrombin III deficiency and venous thrombosis. Michiels JJ, et al. **Neth J Med** 1984; 27(6):226–32 (77 ref.)

Thrombosis and vascular wall reaction. Tanaka K. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):789–96

Right atrial thrombus and superior vena cava syndrome in a child. Graham L Jr, et al. **Pediatrics** 1984 Feb;73(2):225–9

Fetomaternal blood group incompatibility studies in placental intervillous thrombosis. Batcup G, et al. **Placenta** 1983;4 Spec No:449–53

Left ventricular thrombi after acute myocardial infarction. Bhatnagar SK, et al. **Postgrad Med J** 1983 Aug; 59(694):495–9

Vaginal vein thrombosis in pregnancy. Gitstein S, et al. **Postgrad Med J** 1983 Jun;59(692):394–5

Catheter-related thrombosis and fibrinolytic therapy. Eskridge JM, et al. **Radiology** 1983 Nov;149(2):429–32

Superior vena-caval obstruction in urban blacks. A report of 82 cases. Conlan AA, et al. **S Afr Med J** 1983 Nov 12;64(21):827–9

Postembolization splenic abscess in a patient with pancreatitis and splenic vein thrombosis. Jones KB, et al. **South Med J** 1984 Mar;77(3):390–3

Spontaneous thrombosis of an intracranial aneurysm. Dávila S, et al. **Surg Neurol** 1984 Jul;22(1):29–32

Bleeding esophageal varices and portal vein thrombosis after pancreatic mixed-cell autotransplantation. Memsic L, et al. **Surgery** 1984 Feb;95(2):238–42

Peripheral vascular thrombosis in primary nephrotic syndrome. Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):546–52

Thrombotic obstruction of the Björk-Shiley valve: the Glasgow experience. Ryder SJ, et al. **Thorax** 1984 Jul; 39(7):487–92

The significance of plasma and/or platelet activated products after apheresis procedures [letter] Fabris F, et al. **Thromb Haemost** 1983 Aug 30;50(2):620

Functional and antigenic antithrombin III values in plasma and serum from 115 regular blood donors and antithrombin III in prediction of postoperative thrombosis. Nilsen DW, et al. **Thromb Haemost** 1983 Aug 30;50(2):530–3

The thrombogenicity of prothrombin complex concentrates. IV. The source of coagulant-active phospholipid. Giles AR, et al. **Thromb Res** 1984 Jun 15;34(6):567–72

Thrombotic risk: a study in obese children. Jiménez R, et al. **Thromb Res** 1984 Feb 15;33(4):445–50

Platelet thrombus induced in vivo by filtered light and fluorescent dye in mesenteric microvessels of the rat. Sato M, et al. **Thromb Res** 1984 Aug 1;35(3):319–34

Vascular potential and thrombosis. Stoltz JF. **Thromb Res [Suppl]** 1983;5:73–82

Vena cava tumor thrombus from renal cell carcinoma arising from adrenal vein. Crawford ED, et al. **Urology** 1984 Jun;

23(6):538–40

Platelets in atherogenesis and thrombogenesis. Born GV. **Wien Klin Wochenschr** 1984 May 25;96(11):407–12

[Pathogenesis of diabetic retinopathy—observations on thrombus formation in vitro] Zhu ZR. **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):219–22 (Eng. Abstr.) (Chi)

[Hemorrhage and thrombosis in systemic lupus erythematosus patients] Jin A. **Chung Hua Nei Ko Tsa Chih** 1983 Nov;22(11):707–9 (Chi)

[Left ventricular thrombosis] Verheugt FW. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):905–8 (Dut)

[Acute thrombosis of the superior vena cava after cardiac surgery] Adam E, et al. **Ann Fr Anesth Reanim** 1984; 3(2):131–3 (Eng. Abstr.) (Fre)

[Thrombosis of a valve prosthesis: fatal cerebral embolism during thrombolytic treatment] Baglin JY, et al. **Arch Mal Coeur** 1983 Sep;76(9):1077–80 (Eng. Abstr.) (Fre)

[Inferior vena cava thrombosis responsible for chronic Budd–Chiari syndrome during hepatic and digestive amyloidosis] Paliard P, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):919–22 (Eng. Abstr.) (Fre)

[Popliteal artery thrombosis from an osteochondroma of the upper end of the tibia. Apropos of a case] Boscher Y, et al. **J Chir (Paris)** 1984 May;121(5):327–30 (Eng. Abstr.) (Fre)

[Ocular venous thrombosis and general vascular pathology] Pliszkiewicz K, et al. **Klin Monatsbl Augenheilkd** 1984 May; 184(5):367–70 (Eng. Abstr.) (Fre)

[Spontaneous thrombocyte aggregation in patients with ischemic cardiopathy. Effect of anti-aggregant treatment on thrombocyte function and other coagulation factors] Niţă I, et al. **Med Interne** 1984 Apr–Jun;22(2):113–22 (Fre)

[Multiple vascular thromboses in severe acute autoimmune hemolytic anemia with Mycoplasma pneumoniae serology treated by plasma exchange and immunosuppressive agents] Frappaz D, et al. **Pediatrie** 1983 Sep;38(6):411–9 (Eng. Abstr.) (Fre)

[Acute renal vein thrombosis after malposition of a Mobin-Uddin filter] Bical O, et al. **Presse Med** 1983 Oct 8;12(35):2169–70 (Eng. Abstr.) (Fre)

[Thrombogenic and infectious risk in prolonged catheterization of the radial artery (letter)] Martin C, et al. **Presse Med** 1984 Jun 9;13(24):1517 (Fre)

[Superior vena cava syndrome disclosing Behçet's disease] Schneebeli S, et al. **Sem Hop Paris** 1984 Feb 16; 60(8):569–72 (Eng. Abstr.) (Fre)

[Massive thrombosis caused by a Shaldon catheter for long-term hemodialysis and plasmapheresis via the vena jugularis interna] Jost U. **Anaesthesist** 1983 Nov; 32(11):560–2 (Eng. Abstr.) (Ger)

[Vascular complications in hip endoprosthesis] Mattner HR. **Beitr Orthop Traumatol** 1984 Feb;31(2):70–5 (Eng. Abstr.) (Ger)

[Subclavian vein thromboses as a complication of peripheral and central venous catheters (letter)] Zimmermann R, et al. **Dtsch Med Wochenschr** 1984 Aug 24;109(34):1305 (Ger)

[Trauma-induced thrombosis of the inferior vena cava] Bauer FE, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):267–71 (Eng. Abstr.) (Ger)

[Mesenteric vein thrombosis following percutaneous transhepatic portal vein catheterization for the localization of an insulinoma] Luska G, et al. **ROFO** 1984 Jul; 141(1):68–70 (Eng. Abstr.) (Ger)

[A transient mobile left ventricular thrombosis in dilated cardiomyopathy] Nesser HJ, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):284–6 (Eng. Abstr.) (Ger)

[Primary thrombocyte reactions in hemostasis and thrombogenesis and the possibilities of influencing them by drugs] Breddin K. **Z Gesamte Inn Med** 1984 May 15; 39(10):234–41 (42 ref.) (Eng. Abstr.) (Ger)

[Effect on hemostasis and thrombogenesis by septic processes especially in childhood] Weissbach G, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):214–9 (Eng. Abstr.) (Ger)

[Relevance of antithrombin III in thrombogenesis: the diagnosis and therapy of antithrombin III defects] Wenzel E, et al. **Z Gesamte Inn Med** 1984 May 15;39(10):220–7 (Eng. Abstr.) (Ger)

[In vitro electrically activated blood—an endogenous thrombogenic substance for the blocking of arteries supplying tumors and the microcirculation of tumor tissue—an experimental study] Sedlarik KM, et al. **Z Urol Nephrol** 1984 Apr;77(4):193–9 (Eng. Abstr.) (Ger)

[Hamartoma of the renal hilus causing renal vein thrombosis] Holman E, et al. **Orv Hetil** 1984 Aug 5;125(32):1949–51 (Eng. Abstr.) (Hun)

[Postendocarditic detachment of an oscillating disk aortic prosthesis (Bjork-Shiley) and co-existing thrombosis of the same type of prosthesis implanted at the mitral site. Report of a case] Festa M, et al. **Minerva Cardioangiol** 1983 Dec; 31(12):711–5 (Eng. Abstr.) (Ita)

[Use of urokinase in the occlusion of arteriovenous fistulae for chronic hemodialysis] Iberti M, et al. **Minerva Nefrol** 1983 Oct–Dec;30(4):207–11 (Eng. Abstr.) (Ita)

[Mediatinitis and thrombosis of the innominate veins and the superior vena cava: a rare complication of ventriculo-atrial shunt] Mariottini A, et al. **Pediatr Med Chir** 1983 Jul–Aug; 5(4):233–5 (Eng. Abstr.) (Ita)

[Analysis of intraluminal flow velocity profile in peripheral arterial reconstruction—with special reference to the effect of abnormal flow wave on postoperative thrombosis formation] Kamori M. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):623–37 (Eng. Abstr.) (Jpn)

[Case of renal cell carcinoma causing Budd–Chiari syndrome by tumor thrombus of inferior vena cava] Yanagizawa R, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1692–9 (Eng. Abstr.) (Jpn)

[Mobile protruded thrombi in the left ventricle of the heart following transmural myocardial infarction] Ishikura Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct; 31(10):1553–8 (Eng. Abstr.) (Jpn)

[Blood platelet disorders and thrombotic tendencies associated with Kawasaki disease] Yamada K. **Nippon Rinsho** 1983 Sep;41(9):2097–102 (Jpn)

[Thrombosis and atherosclerosis—role of thrombus formation in atherogenesis and thrombosis of organ arteries] Tanaka K. **Nippon Ronen Igakkai Zasshi** 1983 May;20(3):201–6 (Jpn)

[Splenic vein obstruction due to tuberculous lymphadenitis in the splenic hilum] Inoue S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1792–5 (Jpn)

[Case of portal vein thrombosis complicated with sepsis due to bacteroides fragilis] Komori M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):1016–20 (Jpn)

[Risk of thrombosis in the puerperium] Lussa A, et al. **Ginekol Pol** 1983 Nov–Dec;54(11–12):705–12 (Eng. Abstr.) (Pol)

[Thrombosis of the cavernous sinus and jugular vein caused by maxillary sinusitis and otitis media] Lępkowski A, et al. **Otolaryngol Pol** 1983;37(1):63–7 (Eng. Abstr.) (Pol)

[Pathogenesis of disorders of hemostasis in patients with chronic uremia] Myśliwiec M. **Pol Arch Med Wewn** 1983 Jun;69(6):357–61 (Pol)

[2 cases of venous thrombosis in long-term transvenous cardiac pacing (letter)] Szuman J, et al. **Pol Tyg Lek** 1983 Aug 29;38(35):1094 (Pol)

[Considerations on occlusion of the central retinal vein] Segal N, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):251–5 (Eng. Abstr.) (Rum)

[Platelet hyperaggregation and plasma hypercoagulability associated with normal antithrombin III and platelet factor 3 deficiency in the nephrotic syndrome in children] Cutcudache C, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):57–66 (Rum)

[Blood hypercoagulability due to platelet hyperfunction] Cutcudache C. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):29–40 (Rum)

[Blood hypercoagulability due to plasma hyperactivity] Poppa C, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb;36(1):41–8 (Rum)

[Thrombohemorrhagic syndrome in infectious diseases] Kuznik BI, et al. **Gematol Transfuziol** 1984 Mar;29(3):39–48 (38 ref.) (Rus)

[Effect of different doses of thrombin on the properties of a fibrin clot] Savushkin AV. **Gematol Transfuziol** 1983 Aug; 28(8):40–3 (Eng. Abstr.) (Rus)

[Mechanisms of development of thrombotic complications in myocardial infarction] Badalian GO, et al. **Kardiologiia** 1983 Sep;23(9):93–4 (Rus)

[Problems of intravascular blood coagulation and thrombus formation in ischemic heart disease] Gritsiuk AI. **Kardiologiia** 1984 Feb;24(2):5–9 (Eng. Abstr.) (Rus)

[Amyloidosis, periarteritis nodosa and the postural syndrome as causes of acute thrombosis of the major arteries of the extremities] Turbin BN, et al. **Khirurgiia (Mosk)** 1984 May; (5):90–3 (Rus)

[Septic thromboendocarditis following catheterization of the subclavian vein in a newborn infant with infection] Shilenkova VI, et al. **Pediatriia** 1984 Mar;(3):48–50 (Rus)

[Hematogenic thrombophilia] Barkagan ZS. **Ter Arkh** 1983; 55(8):88–95 (Rus)

[Thrombohemorrhagic syndrome in the clinical aspects of food poisoning] Rashchinskii MI. **Ter Arkh** 1984; 56(6):103–6 (Eng. Abstr.) (Rus)

[Mechanical jaundice due to choledochal obstruction by a blood clot in gallbladder cancer] Myslovatyi BS, et al. **Vestn Khir** 1984 Jul;132(7):68–9 (Rus)

[Arterial complications in transplants] Torres Ramírez C, et al. **Arch Esp Urol** 1984 Mar–Apr;37(2):101–11 (Eng. Abstr.) (Spa)

[Ulcerative colitis associated with autoimmune hemolytic anemia, arterial thrombosis and dermal necrosis] Raya Muñoz J, et al. **Rev Esp Enferm Apar Dig** 1983 Nov; 64(5):435–40 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Antithrombin III Roma: a familial quantitative-qualitative AT-III deficiency identifiable by crossed immunoelectrofocusing and by crossed immunoelectrophoresis. Leone G, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):765–74

[Hereditary antithrombin III deficiency as a thrombogenic risk factor in children] Barkagan LZ. **Pediatriia** 1983 Aug; (8):64–7 (Rus)

METABOLISM

Clinical aspects of the arachidonic acid—thromboxane pathway. Mitchell JR. **Br Med Bull** 1983 Jul;39(3):289–95 (61 ref.)

MICROBIOLOGY

Septic pulmonary emboli secondary to internal jugular vein phlebitis (postanginal sepsis) caused by Eikenella corrodens. Celikel TH, et al. **Am Rev Respir Dis** 1984 Sep;130(3):510–3

Candidal thrombophlebitis [letter] Freyberg CW, et al. **Ann Intern Med** 1984 Mar;100(3):463

MORTALITY

Acute arterial thrombosis of the lower extremity. Its natural history contrasted with arterial embolism. Cambria RP, et al. **Arch Surg** 1984 Jul;119(7):784–7

PATHOLOGY

Ultrastructure of newly formed vessels in thrombi. Endothelium formation in human umbilical artery. Takagi T, et al. **Acta Pathol Jpn** 1984 May;34(3):529–36

The prognostic significance of tumor emboli in lymphatic or vascular spaces of the cervical stroma in Stage IB squamous cell carcinoma of the cervix. White CD, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):342–9

Organization of experimentally induced arterial thrombosis in rats from two weeks until ten months. The development of an arteriosclerotic lesion and the occurrence of rethrombosis. van Aken PJ, et al. **Artery** 1983;11(5):384–99

A histological study on microthrombi in autopsy cases of DIC. Kojima M, et al. **Bibl Haematologica** 1983;49:95–106

Fine needle biopsy of a patent umbilical vein thrombus demonstrates hepatocellular carcinoma. Livraghi T, et al. **Diagn Imaging** 1983;52(6):332–4

Patterns of cardiac mural thrombi at Kenyatta National Hospital. Patel KJ. **East Afr Med J** 1983 Mar;60(3):140–5

Aortic thrombosis in the newborn infant. Tugrul Kural I, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):246–8

Antagonism of thromboxane A2/prostaglandin H2 by 13-azaprostanoic acid prevents platelet deposition to the de-endothelialized rabbit aorta in vivo. Le Breton GC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):80–4

Paget-Schroetter syndrome. Sanghavi ST, et al. **J Postgrad Med** 1983 Jul;29(3):175–6

Thrombus formation in lymphatic vessels associated with Brugia malayi. Fader R, et al. **Lymphology** 1984 Mar; 17(1):3–9

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 52–1983. Pulmonary hypertension associated with abnormal hemoglobin. **N Engl J Med** 1983 Dec 29;309(26):1627–36

Morphological changes occurring during thrombogenesis and embolization on biomaterials in a canine ex-vivo series shunt. Lelah MD, et al. **Scan Electron Microsc** 1983;(Pt 4):1983–94

[Clinical aspects of arterial insufficiency of the lower extremities. Side-branch thrombosis and arterio-arterial embolism] Krahenbuhl B. **Schweiz Med Wochenschr** 1983 Dec 10;113(49):1828–30 (Eng. Abstr.) (Fre)

[An autopsy case of extrahepatic portal obstruction with hepatic morphological features similar to those of idiopathic portal hypertension] Tanino M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2592–5 (Jpn)

[Clinico-pathomorphological changes in the spinal cord in chronic occlusion of the abdominal aorta and its branches] Kotova IP. **Zh Nevropatol Psikhiatr** 1984;84(7):1024–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Catheter thrombus artifactually decreases thermodilution cardiac output measurements. Bjoraker DG, et al. **Anesth Analg** 1983 Nov;62(11):1031–4

Thrombogenesis: effect of molecular motions, surface order, and hydrophobicity of the polymer interface. Barenberg SA, et al. **Ann NY Acad Sci** 1983;416:538–60

Requirements for thromboresistance of surface-heparinized materials. Olsson P, et al. **Ann NY Acad Sci** 1983;416:525–37

The relationship between surface charge (potential characteristics) of the vascular interface and thrombosis. Sawyer PN. **Ann NY Acad Sci** 1983;416:561–83 (32 ref.)

Perfusion of occluded retinal veins in the cat's eye. Zauberman H, et al. **Br J Ophthalmol** 1984 Jan;68(1):58–61

A blood analogue for the experimental study of flow-related thrombosis at prosthetic heart valves. Lewis JM, et al. **Cardiovasc Res** 1983 Aug;17(8):466–75

Course of the post-catheterization pulseless arm. Braga PE, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun; 25(3):236–40

The assessment of the post-thrombotic limb by foot volumetry and pedal venous pressure. Amoore JN, et al. **J Med Eng Technol** 1983 Jul–Aug;7(4):180–5

In vitro vs. ex vivo platelet deposition on polymer surfaces. Goodman SL, et al. **Scan Electron Microsc** 1984;(Pt 1):279–90

[Clinical course of lower vena cava inferior syndrome] Grossmann K, et al. **Vasa** 1983;12(4):337–41 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

Pharmacological prevention of thrombotic occlusion in arterial reconstructive surgery. Bergqvist D. **Acta Chir Scand** 1983;149(8):721–7 (34 ref.)

Antiplatelet drugs and thrombosis prevention: ticlopidine in perspective. de Gaetano G, et al. **Agents Actions** 1984 Jan; 14(1):109–12

Prevention of post-operative thrombosis in peripheral arteriopathies. Pentoxifylline vs. conventional antiaggregants: a six-month randomized follow-up study. Lucas MA. **Angiology** 1984 Jul;35(7):443–50

The effect of prophylaxis for thrombosis on heterotopic ossification following total hip joint replacement. Eyb R, et al. **Arch Orthop Trauma Surg** 1983;102(2):114–7

Prophylactic antithrombotic therapy with stanozolol in patients with familial antithrombin III deficiency. Winter JH, et al. **Br J Haematol** 1984 Jul;57(3):527–37

The effect of low-dose heparin on the prevention of venous thrombosis in patients receiving short-term parenteral nutrition. Macoviak JA, et al. **Curr Surg** 1984 Mar–Apr; 41(2):98–100

Mitral disc valve implantation in the dog: early and late valve thrombosis and its prevention. Dale J, et al. **Eur Surg Res** 1983;15(5):249–55

Ticlopidine: a promise for the prevention and treatment of thrombosis and its complications. Panak E, et al. **Haemostasis** 1983;13 Suppl 1:1–54

Experimental approach to prevention of catheter-related central venous thrombosis. Di Costanzo J, et al. **JPEN** 1984 May–Jun;8(3):293–7

Restoring patency of thrombosed catheters with cryopreserved urokinase. Gale GB, et al. **JPEN** 1984 May–Jun;8(3):298–9

Clinical efficacy of low molecular weight heparin in postoperative thrombosis prophylaxis. Schmitz-Huebner U, et al. **Klin Wochenschr** 1984 Apr 16;62(8):349–53

First use of nafazatrom, a new antithrombotic drug, in pregnancy [letter] Elder MG, et al. **Lancet** 1984 Jun 16; 1(8390):1350

Epoprostenol as sole antithrombotic treatment during haemodialysis [letter] Knudsen F, et al. **Lancet** 1984 Jul 28;2(8396):235–6

The aspirin dilemma revisited [letter] **N Engl J Med** 1984 May 17;310(20):1326–7

Use of intermittent pneumatic compression of the calf in femoral venous reconstruction. Hobson RW 2d, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):284–6

Reduced thrombogenic characteristics of expanded polytetrafluoroethylene and polyurethane arterial grafts after heparin bonding. Esquivel CO, et al. **Surgery** 1984 Jan;95(1):102–7

Quantitative evaluation of ibuprofen treatment on thrombogenicity of expanded polytetrafluoroethylene vascular grafts. Gloviczki P, et al. **Surgery** 1984 Feb; 95(2):160–8

Overcoming failure of venous vascular prostheses. Plate G, et al. **Surgery** 1984 Sep;96(3):503–10

Protective effect of warfarin in arterial thrombosis: evidence from a vascular prosthesis model in rats. Reyers I, et al. **Thromb Haemost** 1983 Dec 30;50(4):821–3

Antithrombic properties of insoluble modified polystyrene: Part I. Boisson C, et al. **Thromb Res** 1984 May 15; 34(4):269–76

Estradiol suppresses electrically-induced arterial thrombosis by increasing prostaglandin biosynthesizing activity of the aorta in rats. Ohtsu A, et al. **Thromb Res** 1983 Dec 15; 32(6):567–74

A new method to give an antithrombogenicity to biological materials and its successful application to vascular grafts. Miyata T, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:363–8

Control of thrombosis in extracorporeal circulation: variations of anticoagulation. Toomasian JM, et al. **Trans Am Soc Artif Intern Organs** 1983;29:206–9

[Effects of tanshinone II-A sulfonate on thrombus formation, platelet and blood coagulation in rats and mice] Li CZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):39–42 (Eng. Abstr.) **(Chi)**

[Prevention of the prothrombotic effects of oral contraceptives with vitamin B6] Koutský J, et al. **Cesk Gynekol** 1984 Mar;49(2):98–103 (Eng. Abstr.) **(Cze)**

[Comparative study of acetylsalicylic acid and calcium heparinate in the prevention of venous thrombosis after transurethral resection of the prostate] Mongin D, et al. **Agressologie** 1983 Nov;24(10):523–5 (Eng. Abstr.) **(Fre)**

[Role of the indirect fibrinolytic activity of heparins and similar compounds in the prevention of thrombosis] Vairel EG, et al. **Ann Pharm Fr** 1983;41(4):339–53 (Eng. Abstr.) **(Fre)**

[Prevention of early thromboses after arterial surgery by intraoperative Doppler flow measurement] Becquemin JP, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):319–23 (Eng. Abstr.) **(Fre)**

[Hematoma and thrombosis prevention after hip surgery] Heerdegen R, et al. **Beitr Orthop Traumatol** 1984 Feb; 31(2):56–65 (Eng. Abstr.) **(Ger)**

[Intermittent pneumatic compression for the prevention of thrombosis] Gruber UF, et al. **Dtsch Med Wochenschr** 1983 Nov 18;108(46):1767–71 **(Ger)**

[The problem of ergotism in thrombosis prevention with drugs] Räber G, et al. **Z Arztl Fortbild (Jena)** 1983; 77(23):965–8 **(Ger)**

[Current importance of physical methods in the prevention of thrombosis in clinical practice—a critical evaluation] Thiele G, et al. **Z Arztl Fortbild (Jena)** 1984;78(11):435–8 (65 ref.) **(Ger)**

[Prostacyclin] Gryglewski RJ, et al. **Pol Tyg Lek** 1983 Dec 19–26;38(51–52):1639–44 (Eng. Abstr.) **(Pol)**

[Endotracheal anesthesia with nitrous oxide combined with electroacupuncture in gynecological operations on patients with a high risk of thrombotic complications] Shatkina GV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):66–70 (Eng. Abstr.) **(Rus)**

[Regional anticoagulant therapy after microvascular surgery with permanent intra-arterial administration of heparin] Belousov AE, et al. **Vestn Khir** 1984 Apr;132(4):54–7 (Eng. Abstr.) **(Rus)**

[Methods of studying the thromboresistance of artificial materials used in cardiovascular surgery (review of the Soviet and foreign literature)] Uglov FG, et al. **Vestn Khir** 1984 Jun;132(6):138–42 (39 ref.) **(Rus)**

RADIOGRAPHY

Pulmonary-artery cineangiocardiography to demonstrate cardiac thrombi in patients with cerebral infarction. Eriksson S, et al. **Acta Neurol Scand** 1984 Jan;69(1):27–33

Thrombosis of Björk-Shiley valve prostheses. Evaluation by cineradiography. Rajani M, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):363–7

Mesenteric vein thrombosis: CT identification. Rosen A, et al. **AJR** 1984 Jul;143(1):83–6

Anomalous inferior vena cava with idiopathic thrombosis simulating a mass. Kumar D, et al. **Comput Radiol** 1983 Jul–Aug;7(4):223–7

Collateral veins in inferior caval vein occlusion demonstrated via CT. Lien HH, et al. **Eur J Radiol** 1983 Nov;3(4):319–23

Jugular venous thrombosis: diagnosis by computed tomography. Fishman EK, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):963–8

Computed tomography of renal vein thrombosis. Glazer GM, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):288–93

Computed tomography in acute mesenteric vein thrombosis. Nichols DM. **J Comput Assist Tomogr** 1984 Feb;8(1):171–2

Computed tomography of mural thrombosis in the hypereosinophilic syndrome. Patterson NW, et al. **J Comput Tomogr** 1984 Apr;8(2):129–32

Right ventricular mural thrombus caused by myocardial infarction diagnosed by computed tomography. Peck WW, et al. **J Comput Tomogr** 1984 Apr;8(2):133–6

Isolated symptomatic deep vein phlebothrombosis in a digit. Freiberg TA, et al. **J Foot Surg** 1984 Jan–Feb;23(1):60–2

Computed tomography in diagnosis of puerperal ovarian vein thrombosis. Angel JL, et al. **Obstet Gynecol** 1984 Jan; 63(1):61–4

Ilio-femoral segment and inferior vena cava visualization using a non-catheter technique: an adjunct of leg phlebography. Dure-Smith P, et al. **Radiology** 1984 Oct; 153(1):251–2

The clinical implications of acute thrombosis of the inferior vena cava. Farber SP, et al. **Surg Gynecol Obstet** 1984 Feb; 158(2):141–4

[Thrombosis of the inferior vena cava downstream of an Adams-De Weese pericaval clip. Apropos of 2 cases] Legroux P, et al. **Ann Chir** 1984 Mar;38(2):149–52 (Eng. Abstr.) **(Fre)**

[Value of computer tomography compared to angiography and echocardiography in the diagnosis of intracardiac thromboses] Perrenoud JJ, et al. **Arch Mal Coeur** 1983 Jun; 76(6):652–9 (Eng. Abstr.) **(Fre)**

[Urographic signs of thrombosis of the inferior vena cava and renal veins] Froment JC, et al. **J Radiol** 1983 Dec; 64(12):729–32 (Eng. Abstr.) **(Fre)**

[Computed x-ray tomography in the detection of venous extension in renal cancer] Barre C, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1043–8 (Eng. Abstr.) **(Fre)**

[Floating thrombi in the ascending aorta] Goebel N, et al. **Vasa** 1983;12(4):397–9 (Eng. Abstr.) **(Ger)**

[Caval neoplastic thrombosis in renal tumors: clinico-therapeutic considerations] Napolitano A, et al. **Ann Ital Chir** 1983;55(4):327–33 (Eng. Abstr.) **(Ita)**

[Diagnosis of left atrial masses by computed tomography: with special reference to the differentiation between mural thrombi and myxomas] Hongo M, et al. **J Cardiogr** 1983 Dec;13(4):935–47 (Eng. Abstr.) **(Jpn)**

[Case of aseptic primary cavernous sinus thrombosis] Shirakuni T, et al. **No To Shinkei** 1983 Sep;35(9):921–6 (Eng. Abstr.) **(Jpn)**

[CT imaging of portal vein thrombosis by tumors—the value of dynamic CT] Takemoto K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):839–43 (Eng. Abstr.) **(Jpn)**

[Calcified thrombus in the inferior vena cava in children] Gruchalska E. **Pol Przegl Radiol (Warszawa)** 1983 May–Jun;47(3):213–5 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Postoperative pelvic vein thrombosis and pulmonary embolism detected by indium 111-labeled platelet imaging: a case report. Clarke-Pearson DL, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):796–8

Deep vein thrombosis detection by 99m TC-MDP scanning. Moallem A, et al. **Angiology** 1984 Aug;35(8):515–8

Detection of left atrial thrombi in man using indium-111 labelled autologous platelets. Yamada M, et al. **Br Heart J** 1984 Mar;51(3):298–305

Radionuclide study of functional resolution of unilateral renal vein thrombosis. Chapman CN, et al. **Clin Nucl Med** 1983 Nov;8(11):538–9

Radionuclide venography in subclavian vein thrombosis complicating parenteral nutrition. Maurer AH, et al. **Clin Nucl Med** 1984 Jul;9(7):397–9

Gallium-positive tumor thrombus. Wenzel DJ. **Urol Radiol** 1984;6(1):51–3

[Diagnosis of thrombosis with indium-111 labeled thrombocytes] Endert G, et al. **Wien Klin Wochenschr** 1983 Sep 30;95(18):639–42 (Eng. Abstr.) **(Ger)**

[Indium-111-oxine labeled platelet scintigraphy for detection of intracardiac and intravascular thrombi] Kimura M, et al. **J Cardiogr** 1983 Sep;13(3):499–509 (Eng. Abstr.) **(Jpn)**

SURGERY

Venous thrombectomy for iliofemoral thrombosis. Early and long-term results in 46 consecutive cases. Røder OC, et al. **Acta Chir Scand** 1984;150(1):31–4

Operative removal of mobile pedunculated left ventricular thrombus detected by 2-dimensional echocardiography. Lew AS, et al. **Am J Cardiol** 1983 Nov 1;52(8):1148–9

Thrombectomy of a Hemasite graft. Jain KM, et al. **Am J Surg** 1984 May;147(5):696–7

Portal vein obstruction in patients requiring hepatic resection or transplantation. Williams JW, et al. **Am Surg** 1984 Sep; 50(9):465–8

Suprarenal vena caval occlusion. Principles of operative management. Smith BM, et al. **Ann Surg** 1984 Jun; 199(6):656–68

Selective variceal decompression after splenectomy or splenic vein thrombosis. With a note on splenopancreatic disconnection. Warren WD, et al. **Ann Surg** 1984 Jun; 199(6):694–702

Treatment of inferior vena cava obstruction producing Budd–Chiari syndrome. Imaoka S, et al. **Arch Surg** 1984 Aug;119(8):965–8

Thrombosis of mitral valve prosthesis in pregnancy: management by simultaneous caesarean section and mitral valve replacement. Case report. Antunes MJ, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):716–8

Spiral vein graft for obstruction of the superior vena cava: a case report. Miller JD, et al. **Can J Surg** 1983 Nov; 26(6):537–8

Salvage of thrombosed polytetrafluoroethylene dialysis fistulas by interposition grafting. Wellington JL. **Can J Surg** 1983 Sep;26(5):463–5

Clinical thromboembolism, atrial dysrhythmia and left atrial thrombus in surgically treated patients with mitral valve disease. Vijayanagar R, et al. **Indian Heart J** 1984 Mar–Apr; 36(2):95–7

Use of a dacron prosthesis for relief of superior vena cava obstruction in a child with thymoma. Esposito G, et al. **Ital J Surg Sci** 1983;13(3):239–43

Vascular surgery in Behçet's syndrome: a case report. Lunghi C, et al. **Ital J Surg Sci** 1983;13(4):317–21

Portal obstruction in children. II. Results of surgical portosystemic shunts. Alvarez F, et al. **J Pediatr** 1983 Nov; 103(5):703–7

Shunt operations for portal hypertension in children [editorial] Fonkalsrud EW. **J Pediatr** 1983 Nov; 103(5):742–3

Portal vein thrombosis and protal diversion [editorial] Starzl TE. **J Pediatr** 1983 Nov;103(5):741–2

Thrombectomy for clotted Björk-Shiley prostheses: is it really a proven procedure? [letter] Moulton AL. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):147–8

Budd–Chiari syndrome with thrombosis of the inferior vena cava: long-term patency of meso-caval and cavoatrial prosthetic bypass. Huguet C, et al. **Surgery** 1984 Jan; 95(1):108–11

Durability of thrombectomy of occluded aortofemoral graft limbs. Hyde GL, et al. **Surgery** 1983 Nov;94(5):748–51

[Venous thrombectomy] De Vleeschauwer P, et al. **Acta Chir Belg** 1984 Jan–Feb;84(1):31–7 (Eng. Abstr.) **(Fre)**

[Surgical treatment of thromboses of the inferior vena cava] Puglionisi A, et al. **J Chir (Paris)** 1983 Aug–Sep; 120(8–9):481–6 (Eng. Abstr.) **(Fre)**

[Bypass on a single major artery of the leg. Theoretical modalities and results apropos of 100 cases] Lescalie F, et al. **J Mal Vasc** 1983;8(4):335–42 (Eng. Abstr.) **(Fre)**

[Floating clot in the suprarenal inferior vena cava. Surgical extraction without extracorporeal circulation] Dartevelle P, et al. **Presse Med** 1984 May 5;13(19):1211–2 (Eng. Abstr.) **(Fre)**

[Kidney cancer invading the inferior vena cava. Thrombectomy and resection of the inferior vena cava with quadruple clamping (letter)] Viard H, et al. **Presse Med** 1983 Dec 17;12(46):2950 **(Fre)**

[Surgical treatment of descending thrombosis and acute compression syndrome of the iliofemoral veins by bypass and wall-reinforced PTFE-prosthesis] Hach W, et al. **Vasa** 1983;12(3):249–56 (Eng. Abstr.) **(Ger)**

[Iatrogenic aneurysm of the superficial femoral artery secondary to semi-closed thromboendoarteriectomy] Cassinelli GB, et al. **Minerva Cardioangiol** 1984 Apr; 32(4):199–202 (Eng. Abstr.) **(Ita)**

[Aorto-iliaco-femoral extraperitoneal approach by

thromboendarterectomy] Agrifoglio G, et al. **Minerva Chir** 1983 Oct 15;38(19):1405–8 (Ita)

[Thromboendarterectomy of the aorto–iliaco–femoral axis in chronic atherosclerotic obstructions] Basilico V, et al. **Minerva Chir** 1983 Oct 15;38(19):1609–11 (Ita)

[A case of vena caval obstruction treated with long–bypass operation] Iemura J, et al. **Kyobu Geka** 1984 Jun; 37(6):469–73 (Eng. Abstr.) (Jpn)

[Successful extirpation of the right renal cell carcinoma together with the inferior vena cava: report of a case and review of literature] Afuso H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):427–35 (Eng. Abstr.) (Jpn)

[Acute postoperative thrombosis of the aorta, its branches and the major veins in emergency vascular surgery] Avgust VK. **Klin Khir** 1983 Jul;(7):65–7 (Rus)

[Problems in the clinical diagnosis and treatment of intestinal infarction] Belyi IS, et al. **Klin Khir** 1984 Apr;(4):35–7 (Eng. Abstr.) (Rus)

[Atypical shunting in the treatment of patients with acute thrombosis of the arteries of the extremities] Gambarin BL, et al. **Klin Khir** 1983 Jul;(7):9–12 (Eng. Abstr.) (Rus)

[Principles of surgical treatment of acute thrombosis of the abdominal aorta, its branches and main arteries of the lower limbs] Ratner GL, et al. **Vestn Khir** 1984 Mar;132(3):78–85 (Eng. Abstr.) (Rus)

[Treatment of acute occlusion of the superior mesenteric artery] Zherlov GK, et al. **Vestn Khir** 1983 Oct; 131(10):71–2 (Rus)

[Surgery of the axillosubclavian venous trunk] Alcocer Andalon A, et al. **Angiologia** 1984 Mar–Apr;36(2):63–70 (Eng. Abstr.) (Spa)

THERAPY

Effects of laser irradiation on human thrombus: demonstration of a linear dissolution–dose relation between clot length and energy density. Lee G, et al. **Am J Cardiol** 1983 Oct 1;52(7):876–7

Combined PTA and low–dose transcatheter fibrinolysis in PTA–induced complications and in arterial thrombosis. Weber J, et al. **Ann Radiol (Paris)** 1984 Apr–May; 27(4):334–9

Conservative management of femoral artery thrombosis [letter] Wooster DL, et al. **Can Med Assoc J** 1984 Feb 15;130(4):338–40

Urokinase perfusion for axillary–subclavian vein thrombosis. Fankuchen EI, et al. **Cardiovasc Intervent Radiol** 1984; 7(2):90–3

Percutaneous transluminal angioplasty of aortic graft stenoses. Mitchell SE, et al. **Radiology** 1983 Nov; 149(2):439–44

Streptokinase and transluminal angioplasty in the treatment of acutely thrombosed hemodialysis access fistulas. Rodkin RS, et al. **Radiology** 1983 Nov;149(2):425–8

[Survival in a case of myonephropathic–metabolic syndrome after bilateral femoral thrombectomy] Igarashi Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):494–500 (Jpn)

[Antithrombotic therapy the (past, present and future)] Ouen ChA. **Klin Med (Mosk)** 1984 Jan;62(1):14–7 (Rus)

VETERINARY

Diagnostic exercise. A case of atrial thrombosis and consumptive coagulopathy in a hamster. Wechsler SJ, et al. **Lab Anim Sci** 1984 Apr;34(2):137–9

THROMBOSIS, CORONARY see **CORONARY DISEASE**

THROMBOSIS, VENOUS see **THROMBOPHLEBITIS**

THROMBOSTHENIN see under **BLOOD PROTEINS**

THROMBOXANE A2 see under **THROMBOXANES**

THROMBOXANE B2 see under **THROMBOXANES**

THROMBOXANE SYNTHETASE see under **OXIDOREDUCTASES**

THROMBOXANES

Prostaglandins and anti–inflammatory drugs. Robinson DR. **DM** 1983 Dec;30(3):2–46 (81 ref.)

ANALYSIS

Quantitative analysis of prostanoids in biological fluids by combined capillary column gas chromatography negative ion chemical ionization mass spectrometry. Waddell KA, et al. **Biomed Mass Spectrom** 1984 Feb;11(2):68–74

Plasma levels and urinary excretion of prostaglandins in patients with rheumatoid arthritis. Laitinen O, et al. **Clin Rheumatol** 1983 Dec;2(4):401–6

Influence of phenylbutazone on eicosanoid levels in equine acute inflammatory exudate. Higgins AJ, et al. **Cornell Vet** 1984 Jul;74(3):198–207

Quantitative profiling of prostaglandins and thromboxane by high–resolution gas chromatography–selected–ion monitoring. Chiabrando C, et al. **J Chromatogr** 1983 Nov 25;279:581–6

Microdetermination of prostaglandins and thromboxane B2 by capillary gas chromatography and negative ion chemical ionization mass spectrometry. Miyazaki H, et al. **J Chromatogr** 1984 Apr 27;289:249–58

Staphylococcal alpha–toxin elicits hypertension in isolated rabbit lungs. Evidence for thromboxane formation and the role of extracellular calcium. Seeger W, et al. **J Clin Invest** 1984 Sep;74(3):849–58

Comparison of the determination of thromboxane A2 by bioassay on the rabbit mesenteric artery and in the form of TxB2 by radioimmunoassay. Zijlstra FJ, et al. **J Pharmacol Methods** 1983 Aug;10(1):75–7

Arachidonic acid metabolites in carrageenin–induced equine inflammatory exudate. Higgins AJ, et al. **J Vet Pharmacol Ther** 1984 Mar;7(1):65–72

Amniotic fluid prostanoids in preeclampsia. Moodley J, et al. **Obstet Gynecol** 1984 Jul;64(1):69–71

Radioimmunoassay of prostaglandins and thromboxane B2 in extracted and unextracted urine and serum using an iodinated ligand. Mahoney DP, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):11–20

Concentrations of prostaglandins D2, E2, F2 alpha, 6–keto–F1 alpha and thromboxane B2 in synovial fluid from patients with inflammatory joint disorders and osteoarthritis. Egg D. **Z Rheumatol** 1984 Mar–Apr; 43(2):89–96

[Prostaglandins in rat gastric mucosa (9th report)—influence of senna] Satoh H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Mar;81(3):825–8 (Eng. Abstr.) (Jpn)

ANTAGONISTS & INHIBITORS

Effects of carbenoxolone on the gastric mucosal prostaglandin and thromboxane system. Peskar BM. **Acta Gastroenterol Belg** 1983 Sep–Oct;46(9–10):429–36

TXA2–antagonistic properties of agents affecting prostaglandin synthesis or the cyclic nucleotide system in human platelets. Kangasaho M, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):130–4

Pharmacologic inhibition of thromboxane synthetase and platelet aggregation: modulatory role of cyclooxygenase products. Bertelé V, et al. **Blood** 1984 Jun;63(6):1460–6

Inhibition of prostanoid–mediated platelet aggregation in vivo and in vitro by 3–hydroxymethyl–dibenzo(b,f)thiepin 5,5–dioxide (L–640,035). Chan CC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):276–82

Antagonism of thromboxane A2/prostaglandin H2 by 13–azaprostanoic acid prevents platelet deposition to the de–endothelialized rabbit aorta in vivo. Le Breton GC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):80–4

SK&F 88046: a unique pharmacologic antagonist of bronchoconstriction induced by leukotriene D4, thromboxane and prostaglandins F2 alpha and D2 in vitro. Weichman BM, et al. **J Pharmacol Exp Ther** 1984 Jan; 228(1):128–32

Inhibition of ischemia–induced thromboxane synthesis in man. Lelcuk S, et al. **J Trauma** 1984 May;24(5):393–6

Blisters, cooling, antithromboxanes, and healing in experimental zone–of–stasis burns. Saranto JR, et al. **J Trauma** 1983 Oct;23(10):927–33

Prostaglandins and angioplasty. An experimental study in canine arteries. Zollikofer CL, et al. **Radiology** 1983 Dec; 149(3):681–5

Selective thromboxane inhibition: a new approach to antiplatelet therapy. Fisher M, et al. **Stroke** 1984 Sep–Oct; 15(5):813–6

Investigation on a selective non–prostanoic thromboxane antagonist, BM 13.177, in human platelets. Patscheke H, et al. **Thromb Res** 1984 Feb 1;33(3):277–88

Inhibition of thromboxane biosynthesis in serum: limitations of the measurement of immunoreactive 6–keto–PGF1 alpha. Pedersen AK, et al. **Thromb Res** 1984 Jan 1; 33(1):99–103

Ethanol inhibits platelet thromboxane A2 production but has no effect on lung prostacyclin synthesis in humans. Toivanen J, et al. **Thromb Res** 1984 Jan 1;33(1):1–8

BIOSYNTHESIS

Role of prostacyclin and thromboxane A2 in ischaemic heart disease. Neri Serneri GG, et al. **Adv Exp Med Biol** 1984; 164:175–85

Theophylline inhibits platelet aggregation, prostaglandin and thromboxane production by a mechanism which is independent of cyclic AMP. Burns GB, et al. **Agents Actions** 1984 Jan;14(1):102–8

Determinants of cardiovascular stability during abdominal aortic aneurysmectomy (AAA). Huval WV, et al. **Ann Surg** 1984 Feb;199(2):216–22

Alterations in extracellular calcium concentration differentially influence prostaglandin and thromboxane synthesis in epithelial cells from the toad urinary bladder. Burch RM, et al. **Arch Biochem Biophys** 1984 Feb 15; 229(1):90–7

Reversible inhibition of thromboxane A2 production by imidazole 2–hydroxybenzoate (ITF 182) in the arachidonic acid injected rat. A comparison with acetylsalicylic acid and indometacin. Pagella PG, et al. **Arzneimittelforsch** 1984; 34(5):597–8

Recovery of megakaryocyte thromboxane production in vitro after aspirin inhibition. Walenga RW, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):982–8

Effects of thiazinamium chloride, promethazine and chlorpromazine on thromboxane B2 synthesis, phagocytosis and respiratory burst by rat alveolar macrophages. Chang J, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2671–7

Endogenous biosynthesis of prostaglandin I2 and thromboxane A2 by isolated rat dental pulp. Hirafuji M, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2983–5

Inhibition of thromboxane synthesis in guinea pig lung and human platelets by clotrimazole and other imidazole antifungals. Tolman EL, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3488–90

Stimulation of prostaglandin synthesis in WI–38 human lung fibroblasts following inhibition of phospholipid acylation by p–hydroxymercuribenzoate. Hunter SA, et al. **Biochim Biophys Acta** 1984 Apr 18;793(2):202–12

Thromboxane production in the pregnant rat: differential recovery by platelets and uterus following aspirin administration. Dubin NH, et al. **Biol Reprod** 1983 Oct; 29(3):743–9

Are blastocyst prostaglandins produced endogenously? Racowsky C, et al. **Biol Reprod** 1983 Sep;29(2):379–88

Thrombin pretreatment of human platelets impairs thromboxane A2 synthesis from endogenous precursors in the presence of normal cyclooxygenase activity. Reimers HJ, et al. **Blood** 1984 Apr;63(4):858–65

The effect of long–term colchicine therapy in patients with recurrent polyserositis on the capacity of blood platelets to synthesize thromboxane A2. Levy M, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):191–4

Effect of nicotine on the formation of prostacyclin–like activity and thromboxane in rabbit aorta and platelets. Alster P, et al. **Br J Pharmacol** 1984 Jan;81(1):55–60

Failure of drugs that selectively inhibit thromboxane synthesis to modify endotoxin shock in conscious rats. Furman BL, et al. **Br J Pharmacol** 1984 May;82(1):289–94

The source of thromboxane and prostaglandins in experimental inflammation. Higgs GA, et al. **Br J Pharmacol** 1983 Aug;79(4):863–8

Effect of ethanol on vascular prostacyclin (prostaglandin I2) synthesis, platelet aggregation, and platelet thromboxane release. Mikhailidis DP, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1495–8

Luminal release of prostacyclin and thromboxane A2 by arteries distal to small–caliber prosthetic grafts. Bush HL Jr, et al. **Circulation** 1984 Sep;70(3 Pt 2):I11–5

The influence of selective thromboxane synthetase inhibition with a novel imidazole derivative, UK–38,485, on prostanoid formation in man. Fischer S, et al. **Circulation** 1983 Oct;68(4):821–6

Release of prostaglandin E and thromboxane from macrophages by stimulation with factor H. Hartung HP, et al. **Clin Exp Immunol** 1984 May;56(2):453–8

Selective and nonselective inhibition of thromboxane formation. FitzGerald GA, et al. **Clin Pharmacol Ther** 1984 May;35(5):633–40

Influence of propranolol and 4–hydroxypropranolol on platelet aggregation and thromboxane A2 generation. Mehta J, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):559–64

Interrelation of platelet vitamin E and thromboxane synthesis in type I diabetes mellitus. Karpen CW, et al. **Diabetes** 1984 Mar;33(3):239–43

Circulating immune complexes and platelet thromboxane synthesis in patients with insulin–dependent (type I) diabetes mellitus. Triolo G, et al. **Diabetes** 1984 Aug; 33(8):728–31

The effect of oral administration of dipyrone on the capacity of blood platelets to synthesize thromboxane A2 in man. Eldor A, et al. **Eur J Clin Pharmacol** 1984;26(2):171–6

Arachidonate metabolites and the control of glomerular function. Scharschmidt LA, et al. **Fed Proc** 1983 Nov; 42(14):3058–63

Imbalance of prostacyclin and thromboxane synthesis in Crohn's disease. Hawkey CJ, et al. **Gut** 1983 Oct; 24(10):881–5

Prostacyclin and thromboxane in ovarian cancer: effect of cytostatics and prostaglandin synthesis inhibitors. Ylikorkala O, et al. **Gynecol Oncol** 1983 Dec;16(3):340–5

Thromboxane synthesis in hypercholesterolemic platelets—on the mechanism of increased thromboxane synthesis. Kawaguchi H. **Hokkaido Igaku Zasshi** 1983 May; 58(3):292–309

The mechanism of action of lymphokines. VII. Modulation of the action of macrophage migration inhibitory factor by antioxidants and drugs affecting thromboxane synthesis. Jakubowski A, et al. **Immunopharmacology** 1983 Oct; 6(3):215–29

Platelet thromboxane formation and BTG levels after intensive charcoal HP in uremics or regular hemodialytic treatment (RHT). Capodicasa G, et al. **Int J Artif Organs** 1983 Jul;6(4):183–6

Prevention of experimentally induced gastric damage with the tripeptide ZAMI–420, a new thromboxane synthesis inhibitor. Gervasi GB, et al. **Int J Tissue React** 1983; 5(3):253–6

The tripeptide ZAMI–420 inhibits thromboxane–induced gastric vasoconstriction and ischaemia. Moroni D, et al. **Int J Tissue React** 1983;5(3):249–52

Protection of ischemic cat myocardium by CGS–13080, a selective potent thromboxane A2 synthesis inhibitor. Burke SE, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):842–7

Glomerular prostaglandin and thromboxane synthesis in rat nephrotoxic serum nephritis. Effects on renal hemodynamics. Lianos EA, et al. **J Clin Invest** 1983 Oct; 72(4):1439–48

Oxygen metabolites stimulate thromboxane production and vasoconstriction in isolated saline-perfused rabbit lungs. Tate RM, et al. **J Clin Invest** 1984 Aug;74(2):608–13

The role of reactive oxygen species in thromboxane b2 generation by polymorphonuclear leukocytes. Segal ML, et al. **J Lab Clin Med** 1983 Nov;102(5):788–94

Long-term myocardial preservation: thromboxane production and coronary resistance. van Rijk GL, et al. **J Surg Res** 1983 Nov;35(5):417–20

Release of arachidonate cascade products by the rabbit bladder; neurophysiological significance? Leslie CA, et al. **J Urol** 1984 Aug;132(2):376–9

Renal thromboxane synthesis in excised kidney distal to renovascular lesions. Anderson CB, et al. **JAMA** 1984 Jun 15;251(23):3118–20

Biosynthesis of thromboxane A2 in renovascular hypertension [editorial] FitzGerald GA, et al. **JAMA** 1984 Jun 15;251(23):3121–2

Improved aortocoronary bypass patency by low-dose aspirin (100 mg daily). Effects on platelet aggregation and thromboxane formation. Lorenz RL, et al. **Lancet** 1984 Jun 9;1(8389):1261–4

Changes in prostacyclin and thromboxane biosynthesis and their catabolic enzyme activity in kidneys of aging rats. Chang WC, et al. **Life Sci** 1984 Mar 26;34(13):1269–80

Vasoconstrictory thromboxane A2 and vasodilatory prostacyclin in climacteric women: effect of oestrogen–progestogen therapy. Ylikorkala O, et al. **Maturitas** 1984 Mar;5(3):201–5

Vasopressin stimulates thromboxane synthesis in isolated hamster hepatocytes: relation to hepatocyte calcium content. Chong KP, et al. **Prostaglandins** 1983 Sep; 26(3):397–408

Inhibition of platelet thromboxane A2 synthase activity by sodium 5-(3'-pyridinylmethyl)benzofuran-2-carboxylate. Gorman RR, et al. **Prostaglandins** 1983 Aug;26(2):325–42

Effects of nitrogen dioxide exposure on prostacyclin synthesis in lung and thromboxane A2 synthesis in platelets in rats. Kobayashi T, et al. **Prostaglandins** 1983 Aug;26(2):303–10

Increased thromboxane A2 production but normal prostacyclin by the placenta in hypertensive pregnancies. Mäkilä UM, et al. **Prostaglandins** 1984 Jan;27(1):87–95

Effect of inhibition of thromboxane production on the leukotriene D4-mediated bronchoconstriction in the guinea pig. Muccitelli RM, et al. **Prostaglandins** 1983 Aug; 26(2):197–206

TxA2 production by human arteries and veins. Neri Serneri GG, et al. **Prostaglandins** 1983 Jun;25(6):753–66

Sodium 5-(3'-pyridinylmethyl)benzofuran-2-carboxylate (U-63557A), a new, selective thromboxane synthase inhibitor: intravenous and oral pharmacokinetics in dogs and correlations with ex situ thromboxane B2 production. Wynalda MA, et al. **Prostaglandins** 1983 Aug;26(2):311–24

Thromboxane formation during blood clotting is decreased by verapamil. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):217–8

Salicylate does not interfere with aspirin in human blood in vivo. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):169–70

Stimulation of vessel wall prostacyclin by selective thromboxane synthetase inhibitor OKY 1581. Mehta J, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):49–52

Effect of different amounts of arachidonic acid on vessel wall-generated PGI2 and TXA2. Mehta J, et al. **Prostaglandins Leukotrienes Med** 1983 Nov;12(3):253–9

Prostaglandin response in the exercise conditioned rat. Merola AJ, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):169–74

Thromboxane formation in human polymorphonuclear leukocytes is inhibited by prednisolone and stimulated by leukotrienes B4, C4, D4 and histamine. Puustinen T, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):161–7

Dietary arachidonic acid supplementation increases thromboxane synthesizing activity in platelets from diabetics. Takahashi R, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):443–50

Prostanoid synthesis by cultured gastric and duodenal mucosa: Possible role in the pathogenesis of duodenal ulcer. Sharon P, et al. **Scand J Gastroenterol** 1983 Nov; 18(8):1045–9

Generation of endogenous prostaglandins and thromboxanes in taurocholate-induced gastric mucosal lesions. Konturek SJ, et al. **Scand J Gastroenterol [Suppl]** 1984;92:91–6

Abnormalities of aggregation, thromboxane A2 synthesis, and 14C serotonin release in platelets of patients with idiopathic scoliosis. Floman Y, et al. **Spine** 1983 Apr;8(3):236–41

Ischemia of the limb stimulates thromboxane production and myocardial depression. Mathieson MA, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):500–4

Transcoronary platelet thromboxane A2 formation without platelet trapping in patients with coronary stenosis-effect of sulphinpyrazone treatment. Cortellaro M, et al. **Thromb Haemost** 1983 Dec 30;50(4):857–9

The effect of two low doses of aspirin on whole blood thromboxane and prostacyclin generation in healthy subjects. Davì G, et al. **Thromb Haemost** 1983 Oct 31; 50(3):669–70

Human pulmonary vessels obtained from necropsy produce less prostacyclin and thromboxane than fresh vessels obtained from operations [letter] Carter AJ, et al. **Thromb Res** 1984 Jun 15;34(6):573–4

Platelet thromboxane synthesis in treated childhood diabetes mellitus. Davì G, et al. **Thromb Res** 1983 Dec 1; 32(5):469–77

In vitro effect of cimetidine on ADP induced platelet aggregation and thromboxane A2 synthesis in man. Gachályi B, et al. **Thromb Res** 1984 Jul 1;35(1):105–9

Activation of platelet prostaglandin biosynthesis pathway during neoplastic cell-induced platelet aggregation. Grignani G, et al. **Thromb Res** 1984 Apr 15;34(2):147–57

A study of the bioavailability and platelet inhibitory effects of a new enteric-coated acetylsalicylic acid preparation. Kelton JG, et al. **Thromb Res** 1984 Jun 15;34(6):561–6

In vivo redirection of prostaglandin endoperoxides into 6-keto PGF1 alpha formation by thromboxane synthetase inhibitors in the rat. Maguire ED, et al. **Thromb Res** 1983 Oct 1;32(1):15–27

The biological significance of platelet volume: its relationship to bleeding time, platelet thromboxane B2 production and megakaryocyte nuclear DNA concentration. Martin JF, et al. **Thromb Res** 1983 Dec 1;32(5):443–60

Increased synthesis of thromboxane B2 and 6-keto-PGF1 alpha in hand veins from patients with deep venous thrombosis. Saldeen P, et al. **Thromb Res** 1983 Dec 1; 32(5):461–7

Dibutyryl cyclic guanosine monophosphate elevates bovine endothelial cell thromboxane production without affecting prostacyclin metabolism. Worthington RE, et al. **Thromb Res** 1984 Jan 15;33(2):163–75

Selective inhibition of thromboxane synthesis with dazoxiben in animals and man. Randall MJ. **Thromb Res [Suppl]** 1983; 4:81–5 (19 ref.)

Prostaglandin synthesis associated with renal allograft rejection in the dog. Tannenbaum JS, et al. **Transplantation** 1984 May;37(5):438–43

[Relation between the inhibitory effect on the synthesis of the rabbit aorta contracting substance and prostaglandins and the anti-inflammatory activity of ketoprofen and other non-steroidal anti-inflammatory agents] Guyonnet JC, et al. **Sem Hop Paris** 1983 Dec 12;59(46):3194–6 (Eng. Abstr.) **(Fre)**

[The prostaglandin and thromboxane system of the gastric mucosa as a target for protective and ulcerogenic drugs] Peskar BM. **Wien Klin Wochenschr** 1984 Feb 17;96(4):133–8 (Eng. Abstr.) **(Ger)**

[Cells of the vascular wall synthesize thromboxane] Sinzinger H, et al. **Wien Klin Wochenschr** 1983 Nov 11;95(21):758–60 (Eng. Abstr.) **(Ger)**

[Effects of isosorbide dinitrate on platelet aggregation and production of thromboxane B2] De Caterina R, et al. **Boll Soc Ital Cardiol** 1982;27(3):315–7 **(Ita)**

[Effects of platelet activating factor (PAF:AGEPC) on airway and pulmonary vascular constriction of guinea pigs—with special reference to the relation with TXA2] Hamasaki Y, et al. **Kokyu To Junkan** 1983 Jul;31(7):755–61 (Eng. Abstr.) **(Jpn)**

[Pharmacological action on the thromboxane and prostacyclin balance in the body] Lakin KM, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):67–79 (220 ref.) **(Rus)**

[Age-related changes in prostacyclin and thromboxane B2 biosynthesis under normal conditions and in arterial hypertension] Mandrovnaia NV, et al. **Kardiologiia** 1983 Dec;23(12):62–5 (Eng. Abstr.) **(Rus)**

BLOOD

Thromboxane B2, 6-keto-PGF1 alpha, PGE2, PGF2 alpha, and PGA1 plasma levels in arteriosclerosis obliterans: relationship to clinical manifestations, risk factors, and arterial pathoanatomy. Jouve R, et al. **Am Heart J** 1984 Jan;107(1):45–52

Thromboxane release in coronary artery disease: spontaneous versus pacing-induced angina. Mehta J, et al. **Am Heart J** 1984 Feb;107(2):286–92

Unbalanced plasma control of TxA2 and PGI2 synthesis in vitamin E-deficient rats. Falanga A, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H867–70

Congenital diaphragmatic hernia: association between pulmonary vascular resistance and plasma thromboxane concentrations. Ford WD, et al. **Arch Dis Child** 1984 Feb; 59(2):143–6

In vitro effects of mercury on platelet aggregation, thromboxane and vascular prostacyclin production. Caprino L, et al. **Arch Toxicol [Suppl]** 1983;6:48–51

Thromboxane A3 (TXA3) is formed in human platelets after dietary eicosapentaenoic acid (C20:5 omega 3). Fischer S, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):1091–9

Manipulation of the local thromboxane and prostacyclin balance in vivo by the antithrombotic compounds dazoxiben, acetylsalicylic acid and nafazatrom. Deckmyn H, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2757–62

Inhibitory action of soluble elastin on thromboxane B2 formation in blood platelets. Sekiya K, et al. **Biochim Biophys Acta** 1984 Mar 1;797(3):348–53

The effects of timolol on arrhythmias and prostanoid release during canine myocardial ischaemia and reperfusion. Coker SJ, et al. **Br J Pharmacol** 1984 Apr;81(4):675–84

Thromboxane A2 and hemodynamic-biochemical parameters in canine endotoxin shock. Sakanishi N, et al. **Bull Tokyo Med Dent Univ** 1983 Jun;30(2):37–46

Increased production of platelet thromboxane B2 in non-insulin-dependent diabetes. Relationship to vascular complications. D'Angelo A, et al. **Eur J Clin Invest** 1984 Apr;14(2):83–6

Effect of acetylsalicylic acid on plasma thromboxane B2 and platelet aggregation in man. Nuotto E, et al. **Eur J Clin Pharmacol** 1983;25(3):313–7

RCS from human platelets: is it only thromboxane? Smith EF 3d, et al. **Eur J Pharmacol** 1983 Nov 11;95(1-2):121–4

A native whole blood test for the evaluation of blood-surface interaction: determination of thromboxane production. Mantovani E, et al. **Int J Artif Organs** 1984 May; 7(3):147–50

Exercise-induced increase in plasma arachidonic acid and thromboxane B2 in healthy men: effect of beta-adrenergic blockade. Laustiola K, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):449–54

Inhibition of coronary circulatory failure and thromboxane A2 release during coronary occlusion and reperfusion by 2-phenylaminoadenosine (CV-1808) in anesthetized dogs. Tanabe M, et al. **J Cardiovasc Pharmacol** 1984 May-Jun; 6(3):442–8

Basic aggregation properties of washed rat platelets: correlation between aggregation, phospholipid degradation, malondialdehyde, and thromboxane formation. Tomita T, et al. **J Pharmacol Methods** 1983 Aug; 10(1):31–44

Effects of oleic acid on pulmonary capillary leak and thromboxanes. Olanoff LS, et al. **J Surg Res** 1984 Jun; 36(6):597–605

Lipid peroxides, prostacyclin, and thromboxane A2 in runners during acute exercise. Viinikka L, et al. **Med Sci Sports Exerc** 1984 Jun;16(3):275–7

Ethanol and arterial disease [letter] Mikhailidis DP, et al. **N Engl J Med** 1984 Aug 23;311(8):537–8

Platelets and diabetes mellitus [editorial] Mustand JF, et al. **N Engl J Med** 1984 Sep 6;311(10):665–7

Maternal thromboxane, prostacyclin, and umbilical blood flow in humans. Ylikorkala O, et al. **Obstet Gynecol** 1984 May;63(5):677–80

Thromboxane B2 production by fetal and neonatal platelets: effect of idiopathic respiratory distress syndrome and birth asphyxia. Kääpä P, et al. **Pediatr Res** 1984 Aug;18(8):756–8

Some interrelationships between glucose levels thromboxane production and prostacyclin production in normal and diabetic mice. Rosenblum WI, et al. **Prostaglandins** 1984 Jan;27(1):111–8

The reduction of potential TXB2 levels when serum is preincubated at room temperature. Hall ER, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):279–80

Carbocromen inhibits arachidonic acid-induced platelet aggregation and TXA2 formation. Heinroth I, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):13–4

Influence of propranolol, pindolol, practolol and talinolol on arachidonic acid (AA)- and U-46619-induced aggregation and on AA-induced thromboxane A2 formation in platelets. Heinroth I, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):189–206

Effects of dietary methionine, methylmercury, and atrazine on ex-vivo synthesis of prostaglandin E1 and thromboxane B2. Meydani M, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):267–78

Normal plasma thromboxane B2 (TXB2) and 6-keto-PGF1 alpha levels in childhood diabetes. Orlandi M, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):437–8

In vitro effect of unsaturated fatty acids on the balance between thromboxane A2 and prostacyclin in the blood vascular system. Srivastava KC, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):449–59

Arachidonic acid induced platelet aggregation and thromboxane formation is inhibited by OKY-1581. Uotila P, et al. **Prostaglandins Leukotrienes Med** 1983 Nov; 12(3):299–303

Increased thromboxane B2 levels in the plasma of burned and septic burned patients. Herndon DN, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):210–3

Des-amino-D-arginine vasopressin does not increase circulating levels of prostacyclin or thromboxane A2 during infusion in man [letter] Barrow SE, et al. **Thromb Haemost** 1983 Aug 30;50(2):622

Effects of prostacyclin during cardiopulmonary bypass in men on plasma levels of beta-thromboglobulin, platelet factor 4, thromboxane B2, 6-keto-prostaglandin F1 alpha and heparin. Ditter H, et al. **Thromb Res** 1983 Nov 15; 32(4):393–408

Development of a gas chromatographic-mass spectrometric method using a stable isotope internal standard for quantitation of thromboxane B2. Fitzpatrick F, et al. **Thromb Res** 1984 Jul 15;35(2):121–31

Relationship between cyclic AMP and thromboxane formation in platelet-endothelial cell interactions. Lagarde M, et al. **Thromb Res** 1984 Jul 15;35(2):141–7

[Plasma thromboxane B2 and capacity of the aorta to produce prostacyclin in arteriopathies of the lower extremities] Jouve R, et al. **J Mal Vasc** 1983;8(3):221–5 (Eng. Abstr.) **(Fre)**

[Effect of calcium ionophore (A23187) on the production of thromboxane B2 in human polymorphonuclear cells in vitro] Cifone MG, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):219–25 (Eng. Abstr.) **(Ita)**

[Thromboxane, beta-thromboglobulin and the degree of blood sugar control in type I diabetes mellitus] Tanganelli I, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):897–902 (Eng. Abstr.) **(Ita)**

[Blood thromboxane A2 and prostaglandin I2 levels and

platelet phospholipid fatty acid composition ratios in ischemic heart disease and cerebral infarction—with special reference to the effect of antiplatelet agents] Inoue T. **Nippon Ronen Igakkai Zasshi** 1983 Jul;20(4):294–304 (Eng. Abstr.) **(Jpn)**

[Biochemistry of coronary artery disease—prostaglandins] Tada M, et al. **Rinsho Byori** 1983 Aug;31(8):854–9 **(Jpn)**

[Changes in the homeostatic balance of prostacyclin–thromboxane generating systems during experimental social stress] Aliev MA, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):20–2 (Eng. Abstr.) **(Rus)**

[Concentration of endogenous prostanoids and cyclic nucleotides in patients with atrial fibrillation] Smirnov IE, et al. **Kardiologiia** 1984 May;24(5):39–43 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

An improved method for separation of thromboxane B2 by reversed phase liquid chromatography. Moonen P, et al. **Prostaglandins** 1983 Nov;26(5):797–803

METABOLISM

Study of the evolution of acute phase reactants and of thromboxane and prostacyclin during calcium pyrophosphate-induced pleurisy in the rat. Tissot M, et al. **Agents Actions** 1984 Jan;14(1):82–7

Prostacyclin and thromboxanes in carrageenan-induced pleurisy in the rat. Tissot M, et al. **Agents Actions** 1984 Jan;14(1):76–81

The effects of leukotrienes, thromboxane A2 and phospholipase A2 on human, porcine and guinea pig lung parenchyma. Zijlstra FJ, et al. **Agents Actions** 1984 Jan; 14(1):88–92

Staphylococcus aureus and human platelets cause pulmonary hypertension and thromboxane generation in isolated saline-perfused rabbit lungs. Shoemaker SA, et al. **Am Rev Respir Dis** 1984 Jan;129(1):92–5

Thromboxane A2 analogues inhibit the metabolism of thromboxane B2 in perfused guinea-pig lung. Robinson C, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):190–200

From studies of biochemical mechanism to novel biological mediators: prostaglandin endoperoxides, thromboxanes, and leukotrienes. Nobel Lecture, 8 December 1982. Samuelsson B. **Biosci Rep** 1983 Sep;3(9):791–813 (133 ref.)

Prostaglandins and thromboxane in the delayed phase of shock induced by Serratia marcescens endotoxin. Parratt JR, et al. **Br J Pharmacol** 1984 May;82(1):281–8

Synthesis and catabolism of cyclo-oxygenase products. Bakhle YS. **Br Med Bull** 1983 Jul;39(3):214–8 (92 ref.)

The prostacyclin—thromboxane A2 balance: pathophysiological and therapeutic implications. Bunting S, et al. **Br Med Bull** 1983 Jul;39(3):271–6 (94 ref.)

Lipid peroxidation in relation to prostacyclin and thromboxane physiology and pathophysiology. Warso MA, et al. **Br Med Bull** 1983 Jul;39(3):277–80 (46 ref.)

Impact of insulin or tolbutamide treatment on 14C-arachidonic acid conversion to prostacyclin and/or thromboxane in lungs, aortas, and platelets of streptozotocin-induced diabetic rats. Valentovic MA, et al. **Diabetes** 1983 Sep;32(9):846–51

Release of labile cyclo-oxygenase products of arachidonic acid from kidney by endotoxin. Özsan K, et al. **Experientia** 1984 Aug 15;40(8):815–6

Prostaglandin and thromboxane levels in central nervous system tissues from rats during the induction and development of experimental allergic encephalomyelitis (EAE). Bolton C, et al. **Immunopharmacology** 1984 Apr; 7(2):101–7

Macrophages release arachidonic acid, prostaglandin E2, and thromboxane in response to late complement components. Hänsch GM, et al. **J Immunol** 1984 Oct;133(4):2145–50

Production of prostaglandins and thromboxane by isolated cells from intracranial tumours. Cooper C, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):579–84

In vivo regional levels of PGE and thromboxane in mouse brain: effect of decapitation, focused microwave fixation, and indomethacin. Anton RF, et al. **Prostaglandins** 1983 Sep;26(3):421–9

Cigarette smoke ventilation decreases thromboxane B2 metabolism in isolated rat lungs. Männistö J, et al. **Prostaglandins Leukotrienes Med** 1983 Dec;12(4):439–42

Separation of the two components of the contractile activity of leukotriene C4 on the guinea pig lung parenchymal strip. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1983 Aug;11(4):385–9

Thromboxane and prostacyclin in disease: a review. Halushka PV, et al. **Q J Med** 1983 Autumn;52(208):461–70 (57 ref.)

Regional blood flow and pulmonary thromboxane release after sublethal endotoxin infusion in sheep. Schuette AH, et al. **Surgery** 1984 Apr;95(4):444–53

The effect of polyunsaturated fatty acids on endothelial cells and their production of prostacyclin, thromboxane and platelet inhibitory activity. Brox JH, et al. **Thromb Haemost** 1983 Dec 30;50(4):762–7

A comparison of human pulmonary arterial and venous prostacyclin and thromboxane synthesis—effect of a thromboxane synthase inhibitor. Carter AJ, et al. **Thromb Haemost** 1984 Apr 30;51(2):257–60

Thromboxane production in umbilical vein grafts. Saldeen P, et al. **Thromb Res** 1984 Feb 1;33(3):259–67

Difference in mode of action of cimetidine and gefarnate on endogenous prostacyclin, prostaglandin E2 and thromboxane in rat gastric mucosa. Arakawa T, et al. **Tohoku J Exp Med** 1983 Aug;140(4):407–12

[Effect of Paeonia obovata 801 on metabolism of thromboxane B2 and arachidonic acid and on platelet aggregation in patients with coronary heart disease and cerebral thrombosis] Liu J. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):477–81 (Eng. Abstr.) **(Chi)**

[The presence of 6-oxo-PGF1alpha and thromboxane B2 in peritoneal exudates released by iota-carrageenan in the rat] Lismonde M, et al. **Arch Int Physiol Biochim** 1983 Sep; 91(3):243–5 (Eng. Abstr.) **(Fre)**

[Prostaglandins and kidney functions] Okahara T. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):915–6 **(Jpn)**

PHARMACODYNAMICS

The effects of PGF2 alpha, PGI2, and TxB2 on human CFU-C in healthy and leukemic patients. Gross S, et al. **Am J Hematol** 1984 May;16(4):325–33

Elevation of cytoplasmic free calcium concentration by stable thromboxane A2 analogue in human platelets. Kawahara Y, et al. **Biochem Biophys Res Commun** 1983 Dec 28; 117(3):663–9

Thromboxane-induced phosphatidate formation in human platelets. Relationship to receptor occupancy and to changes in cytosolic free calcium. Pollock WK, et al. **Biochem J** 1984 May 1;219(3):833–42

Thromboxane A2 analogues inhibit the metabolism of thromboxane B2 in perfused guinea-pig lung. Robinson C, et al. **Biochim Biophys Acta** 1983 Nov 29;754(2):190–200

Pharmacological interactions between prostacyclin and thromboxanes. Whittle BJ, et al. **Br Med Bull** 1983 Jul; 39(3):232–8 (111 ref.)

Regulation of human lymph contractility by prostaglandins and thromboxane. Sinzinger H, et al. **Lymphology** 1984 Jun; 17(2):43–5

Local effect of thromboxane B2 on the contractility of the human non pregnant uterus. Shaala S, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):97–103

[Prostaglandins and thromboxanes] Falardeau P, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1117–36 (181 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Endotoxin-induced hemodynamic changes in dogs: role of thromboxane and prostaglandin I2. Bottoms GD, et al. **Am J Vet Res** 1983 Aug;44(8):1497–500

The role of prostacyclin and thromboxane in sepsis and septic shock. Carmona RH, et al. **Arch Surg** 1984 Feb; 119(2):189–92

Roles of thromboxanes in gastrointestinal physiopathology. Bennett TA. **Int J Tissue React** 1983;5(3):237–9

A major role of ADP in thromboxane transfer experiments: studies in patients with platelet secretion defects. Rao AK, et al. **J Lab Clin Med** 1984 Jul;104(1):116–26

Further evidence that thromboxane exacerbates arrhythmias: effects of UK38485 during coronary artery occlusion and reperfusion in anaesthetized greyhounds. Coker SJ. **J Mol Cell Cardiol** 1984 Jul;16(7):633–41

Arachidonic acid-induced platelet aggregation is mediated by a thromboxane A2/prostaglandin H2 receptor interaction. Parise LV, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):240–4

Arachidonic acid metabolites mediate early burn edema. Alexander F, et al. **J Trauma** 1984 Aug;24(8):709–12

Prostaglandins and related compounds — a general physiologic control system. Anggård E. **Scand J Urol Nephrol [Suppl]** 1983;75:11–9

Role of thromboxanes and prostaglandin endoperoxides in the pathogenesis of eicosanoid induced sudden death. Lefer AM, et al. **Thromb Res** 1983 Nov 1;32(3):311–20

Impaired function of TXA2 and/or calcium in the platelets from SHRSP at hypertensive ages. Tomita T, et al. **Thromb Res** 1984 Jul 15;35(2):219–30

[Prostaglandins, thromboxanes and leukotrienes. Their role in cardiovascular diseases, allergic reactions and inflammation] Maclouf J, et al. **Presse Med** 1984 Jan 21; 13(2):91–6 (26 ref.) (Eng. Abstr.) **(Fre)**

[Prostanoids (prostaglandins, thromboxanes, prostacyclin) and leukotrienes] Kecskeméti V. **Orv Hetil** 1983 Dec 4; 124(49):2967–74 (Eng. Abstr.) **(Hun)**

SECRETION

The platelet-independent release of thromboxane A2 by Paf-acether from guinea-pig lungs involves mechanisms distinct from those for leukotriene. Lefort J, et al. **Br J Pharmacol** 1984 Jul;82(3):565–75

Local release of histamine, prostaglandin F2 alpha and thromboxane B2 into the tracheal lumen and its influence on airways reactivity. Peskar BA, et al. **Klin Wochenschr** 1984 Apr 2;62(7):315–22

URINE

Urinary excretion of thromboxane B2 in patients with venous thromboembolic disease. Klotz TA, et al. **Chest** 1984 Mar; 85(3):329–35

Determination of 6-keto-prostaglandin F1 alpha and thromboxane B2 in urine by high-performance liquid chromatography and radioimmunoassay. Wilson TW, et al. **J Chromatogr** 1984 Mar 9;306:351–7

Urinary excretion of 2,3-dinor-thromboxane B2 in man under normal conditions, following drugs and during some pathological conditions. Vesterqvist O, et al. **Prostaglandins** 1984 Apr;27(4):627–44

Regulation of urinary thromboxane B2 in man: influence of urinary flow rate and tubular transport. Zipser RD, et al. **Prostaglandins** 1984 Feb;27(2):257–71

Renal thromboxane excretion in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Effect of vasopressin treatment. Güllner HG, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):119–23

Development of a GC-MS method for quantitation of 2,3-dinor-TxB2 and determinations of the daily urinary excretion rates in healthy humans. Vesterqvist O, et al. **Thromb Res** 1984 Jan 1;33(1):39–49

THRUSH see CANDIDIASIS, ORAL

THULIUM

Nonstochastic effects of different energy beta emitters on the mouse skin. Coggle JE, et al. **Radiat Res** 1984 Aug; 99(2):336–45

Nonstochastic effects of different energy beta emitters on pig skin. Peel DM, et al. **Radiat Res** 1984 Aug;99(2):372–82

DIAGNOSTIC USE

[Clinical use of 167Tm-tulinitate] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):34–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Affinity of 167Tm-citrate for tumor and liver tissue. Ando A, et al. **Eur J Nucl Med** 1983;8(10):440–6

THUMB

Multiple chondrosarcomas of the hand. Gargan TJ, et al. **Ann Plast Surg** 1984 Jun;12(6):542–6

Epithelioma cuniculatum. Cowen P. **Australas J Dermatol** 1983 Aug;24(2):83–5

Foreign body granuloma. A cause of trigger thumb. Freund EI, et al. **J Hand Surg [Br]** 1984 Jun;9(2):210

The Min-R system: an alternative to xeroradiography. Fodor J 3d, et al. **Radiol Technol** 1984 Jan–Feb;55(3):41–3

[Congenital subluxation of the metacarpophalangeal joint of the thumb as the cause of writer's syndrome] Witt TN, et al. **Z Orthop** 1984 Jan–Feb;122(1):37–9 (Eng. Abstr.) **(Ger)**

[Subungual glomus tumor] Peteiro MC, et al. **Med Cutan Iber Lat Am** 1984;12(2):87–9 (Eng. Abstr.) **(Spa)**

[Unusual presentation of tuberculous arthritis. Report of a case] Roldán Labrada ME, et al. **Rev Invest Clin** 1984 Jan–Mar;36(1):45–7 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

X-linked mental retardation associated with bilateral clasp thumb anomaly. Gareis FJ, et al. **Am J Med Genet** 1984 Jan;17(1):333–8

Acro-renal-ocular syndrome: autosomal dominant thumb hypoplasia, renal ectopia, and eye defect. Halal F, et al. **Am J Med Genet** 1984 Apr;17(4):753–62

Phenotypic variability in Townes-Brocks syndrome. Monteiro de Pina-Neto J. **Am J Med Genet** 1984 May; 18(1):147–52

Mental retardation-clasped thumb syndrome. Yeatman GW. **Am J Med Genet** 1984 Jan;17(1):339–44

Absent tibiae, triphalangeal thumbs and polydactyly: description of a family and prenatal diagnosis. Canún S, et al. **Clin Genet** 1984 Feb;25(2):182–6

Preaxial polydactyly type 4: variability in a large kindred. Reynolds JF, et al. **Clin Genet** 1984 Mar;25(3):267–72

Adducted thumb syndrome. Report of a new case and a diagnostic approach. Kunze J, et al. **Eur J Pediatr** 1983 Dec;141(2):122–6

Transient erytroblastopenia of childhood and familial triphalangeal thumb. Tamburlini G, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):211–7

Triphalangeal thumb and five-fingered hand. Chan KM, et al. **Hand** 1983 Oct;15(3):329–34

A family with hereditary ankyloglossia complicated by heterochromia irides and a congenital clasped thumb. Sato T, et al. **Int J Oral Surg** 1983 Oct;12(5):359–62

Pollicization of the index finger for reconstruction of the congenitally hypoplastic or absent thumb. Egloff DV, et al. **J Hand Surg** 1983 Nov;8(6):839–48

Toe-to-thumb transfer in congenital grade III thumb hypoplasia. Nyárády J, et al. **J Hand Surg** 1983 Nov; 8(6):898–901

Polydactyly of the thumb: a surgical plan based on ninety-five cases. Cheng JC, et al. **J Hand Surg [Am]** 1984 Mar;9(2):155–64

Conjoined flexor and extensor pollicis longus tendons in the hypoplastic thumb. Fitch RD, et al. **J Hand Surg [Am]** 1984 May;9(3):417–9

Congenital familial hypoplastic thumb associated with congenital amputation of the toe. Miura T.

J Hand Surg [Am] 1984 May;9(3):420–2
Familial congenital hypoplasia of the thumb—report on a family. Nakamura J, et al. J Hand Surg [Br] 1984 Jun; 9(2):145–8
Triphalangeal thumb and dermatoglyphics. Shiono H, et al. J Hand Surg [Br] 1984 Jun;9(2):151–2
Inheritance of brachydactyly type D. Gray E, et al. J Hered 1984 Jul–Aug;75(4):297–9
Congenital clasped thumb combined with Waardenburg syndrome in three generations of one family: an undescribed congenital anomalies complex. Senrui H. J Pediatr Orthop 1984 Aug;4(4):472–6
[Regular dominance of thumb ankylosis with mental retardation transmitted over 3 generations] Piussan C, et al. J Genet Hum 1983 Jun;31(2):107–14 (Eng. Abstr.) (Fre)
[An unusual form of macrodactylia] Tropet Y, et al. Sem Hop Paris 1983 Jul 7;59(27–28):2055–9 (Eng. Abstr.) (Fre)
[The triphalangeal thumb] Hippe P, et al. Z Orthop 1984 Mar–Apr;122(2):217–20 (Eng. Abstr.) (Ger)
[Features of the blood supply of the upper extremities in children with hypoplastic thumbs] Vodolazov IuA, et al. Khirurgiia (Mosk) 1984 May;(5):132–3 (Rus)

ANATOMY & HISTOLOGY

Configuration of the articular surfaces of the carpometacarpal joint of the thumb. Kuczynski K. Handchir Mikrochir Plast Chir 1983 Sep;15(3):191–3
Anatomy of flexor pollicis longus vinculum system. Armenta E, et al. J Hand Surg [Am] 1984 Mar;9(2):210–2
Assessment of thumb placement. Merlob P, et al. Pediatrics 1984 Aug;74(2):299–300
[Joint surfaces of the carpometacarpal articulation of the thumb in man] Schmidt HM, et al. Gegenbaurs Morphol Jahrb 1983;129(5):505–31 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Bowler's thumb [letter] Pons RK. J Hand Surg 1983 Sep;8(5 Pt 1):630
True aneurysm of a thumb digital artery. Dangles CJ. J Hand Surg [Am] 1984 May;9(3):444–5
Traumatic arteriovenous fistula of the thumb after blunt trauma: a case report. May JW Jr, et al. J Hand Surg [Am] 1984 Mar;9(2):253–55

INJURIES

Reflex sympathetic vasodystrophy. Shannon L. Aust Fam Physician 1984 Feb;13(2):124
Upper extremity injuries in skiing. Mogan JV, et al. Clin Sports Med 1982 Jul;1(2):295–308
Mallet thumb. Din KM, et al. J Bone Joint Surg [Br] 1983 Nov;65(5):606–7
Costs, risks, and benefits of hand surgery. Chase RA. J Hand Surg 1983 Sep;8(5 Pt 2):644–8
Dorsal transposition flap for reconstruction of lateral or medial oblique amputations of the thumb with exposure of bone. Ogunro O. J Hand Surg 1983 Nov;8(6):894–8
Flexor superficialis tendon transfers to the thumb—an alternative to the free tendon graft for treatment of chronic injuries within the digital sheath. Posner MA. J Hand Surg 1983 Nov;8(6):876–81
Pseudovideoma [letter] Behr JT. J Hand Surg [Am] 1984 Jul;9(4):613–4
Reconstruction and sensitization of the amputated thumb. Kartchinov KD. J Hand Surg [Am] 1984 Jul;9(4):478–84
Rodeo roping thumb injuries. Morgan RF, et al. J Hand Surg [Am] 1984 Mar;9(2):178–80
Unusual complication of Kirschner-wire-fixation of carpo-metacarpal joint of the thumb. Izhar-Ul-Haque. Med J Zambia 1982;16(4):73–5
[Rupture of the ulnar collateral ligament of the metacarpophalangeal joint of the thumb] Møller BN. Ugeskr Laeger 1984 Mar 12;146(11):811–3 (Eng. Abstr.) (Dan)
[Reimplantation and revascularization of the thumb using microsurgical technics - apropos of 90 cases] Michon J, et al. Bull Acad Natl Med (Paris) 1983 Sep–Oct; 167(7):755–8 (Eng. Abstr.) (Fre)
[Treatment of traumatic mutilations of the thumb. New aspects and contribution of microsurgery] Foucher G, et al. Chirurgie 1984;110(1):56–62 (Eng. Abstr.) (Fre)
[Pathological fracture of the thumb disclosing thyroid cancer (letter)] Giraud C, et al. Presse Med 1984 Jan 21;13(2):100 (Fre)
[A case of simultaneous luxation of the metacarpophalangeal and interphalangeal joints of the thumb] Meriaux JL, et al. Rev Chir Orthop 1983;69(6):481–2 (Eng. Abstr.) (Fre)
[Severe sprains of the internal lateral ligament of the thumb metacarpophalangeal joint] Saffar P, et al. Rev Chir Orthop 1983;69 Suppl 2:97–103 (Fre)
[The extent of physician's responsibility in the recovery of amputated limbs. Court decision on the question of plastic and reconstructive hand surgery] Kern BR. Chirurg 1984 Feb;55(2):128–30 (Ger)
[Double dislocations in the thumb] Pestessy JL. Unfallheilkunde 1983 Jul;86(7):323–4 (Eng. Abstr.) (Ger)
[Double dislocation of the thumb] Pestessy J. Magy Traumatol Orthop Helyreallito Sebesz 1983; 26(3):221–3 (Eng. Abstr.) (Hun)
[Operative procedures for the restoration of the sensory function of the thumb] Simonka J, et al. Magy Traumatol Orthop Helyreallito Sebesz 1983; 26(3):193–200 (Eng. Abstr.) (Hun)
[Cutaneo-osseous reconstruction of the thumb using a microsurgical technic] Akchurin RS, et al. Ortop Travmatol Protez 1983 Sep;(9):53–4 (Rus)
[Grafting of a toe onto the hand after amputation of the thumb] Stepanov GA, et al. Ortop Travmatol Protez 1983 Sep;(9):51–3 (Rus)
[Injuries of the flexor tendons in the vagina fibrosa digiti] Margić K, et al. Acta Chir Iugosl 1984;31(1):53–61 (Eng. Abstr.) (Scr)

INNERVATION

The palmomental reflex. Clinical study of 300 cases. Marti-Vilalta JL, et al. Eur Neurol 1984;23(1):12–6
[Isolated paralysis of the long flexor muscle of the thumb following osteosynthesis of the radius. The anterior interosseus nerve syndrome] Zilch H. Unfallheilkunde 1983 Sep;86(9):407–10 (Eng. Abstr.) (Ger)

PATHOLOGY

Fibrous dysplasia of a metacarpal: a case report. Hayter RG, et al. J Hand Surg [Am] 1984 Jul;9(4):587–9
Giant cell tumor of the thumb metacarpal in an elderly patient: a case report. Henard DC. J Hand Surg [Am] 1984 May;9(3):343–5
Clear cell hidradenocarcinoma—a case report with unusual in situ malignant changes. Al-Irhayim B. J Surg Oncol 1984 May;26(1):1–5

PHYSIOLOGY

The contrasting stretch reflex responses of the long and short flexor muscles of the human thumb. Matthews PB. J Physiol (Lond) 1984 Mar;348:545–58
The tendon of flexor pollicis longus: its effects on the muscular control of force and position at the human thumb. Rack PM, et al. J Physiol (Lond) 1984 Jun;351:99–110

PHYSIOPATHOLOGY

Brief or new: measuring cone for thumb abduction/extension. Schwanholt C, et al. Am J Occup Ther 1984 Apr; 38(4):263–4
Evaluation of sensibility and function with microsurgical free tissue transfer of the great toe to the hand for thumb reconstruction. Poppen NK, et al. J Hand Surg 1983 Sep; 8(5 Pt 1):516–31

RADIOGRAPHY

[Holding device for x-ray determination of injuries in collateral ligaments of the metacarpophalangeal joint of the thumb] Hildebrandt HD. Handchir Mikrochir Plast Chir 1983 Sep;15(3):194–5 (Eng. Abstr.) (Ger)
[Osteoid osteoma of the thumb] Oba S. Rinsho Hoshasen 1983 Nov;28(12):1531–2 (Jpn)

SURGERY

Rehabilitation of newly reconstructed thumb. Pho RW, et al. Ann Acad Med Singapore 1983 Jul;12(3):380–6
Late result of pediatric thumb reconstruction by free toe transplantation. Gao JH, et al. Chin Med J [Engl] 1983 Nov;96(11):865–7
A clinical study of the order and speed of sensory recovery after digital replantation. Yamauchi S, et al. J Hand Surg 1983 Sep;8(5 Pt 1):545–9
Thumb reconstruction in the burned hand by advancement pollicization of the second ray remnant. May JW Jr, et al. J Hand Surg [Am] 1984 Jul;9(4):484–9
Restoration of sensibility to a thumb by the technique of digital nerve advancement: a new surgical procedure. Ogunro O. J Hand Surg [Am] 1984 May;9(3):440–4
Twenty four thumb replantations. Earley MJ, et al. J Hand Surg [Br] 1984 Feb;9(1):98–102
Unusual complication of a silicone implant arthroplasty at the base of the thumb. Wood VE. J Hand Surg [Br] 1984 Feb;9(1):67–8
Silicone lymphadenopathy: a complication of silicone elastomer finger joint prostheses [letter] Harvey T, et al. J Rheumatol 1984 Feb;11(1):104–5
Thumb reconstruction with an iliac bone graft and a dorsalis pedis flap transplant including the extensor digitorum brevis muscle for restoring opposition: a case report. Tamai S, et al. Microsurgery 1983;4(2):81–6
Thumb reconstruction in the era of microsurgery: case reports. Lichtman DM, et al. Milit Med 1984 May; 149(5):246–50
The looping procedure. An alternative method of thumb restoration. Eiken O, et al. Scand J Plast Reconstr Surg 1983;17(1):73–5
[Reconstruction of the thumb with a big-toe free flap—analysis of 12 cases] Yu ZJ. Chung Hua I Hsueh Tsa Chih 1983 Dec;63(12):750–3 (Chi)
[Reimplantation and revascularization of the thumb. Technical problems and results. Apropos of 125 cases] Merle M, et al. Chirurgie 1984;110(3):255–65 (Eng. Abstr.) (Fre)
[Myositis ossificans localisata of the thenar muscles] Wulle C. Handchir Mikrochir Plast Chir 1984 Jun;16(2):101–5 (Eng. Abstr.) (Ger)
[Restoration of thumb opposition] Węgrzyn J, et al. Chir Narzadow Ruchu Ortop Pol 1983;48(2):165–8 (Eng. Abstr.) (Pol)
[Reconstruction of the thumb using a microsurgical approach] Ivrlač R, et al. Chir Maxillofac Plast 1983; 13(1):33–9 (Eng. Abstr.) (Scr)

THUMBSUCKING see FINGERSUCKING

THYME see HERBS

THYMECTOMY

Influence of 90Sr, adult thymectomy and antilymphocyte globulin on T-cells in mouse peripheral blood. Bierke P, et al. Acta Radiol [Oncol] 1984;23(1):61–4
Lymphocyte proliferation in neonatally thymectomized rats. Granata AL, et al. Anat Rec 1984 Mar;208(3):427–33
Thymectomy-induced decrease in T gamma cells and OKT8+ cells in multiple sclerosis. Trotter JL, et al. Ann Neurol 1983 Dec;14(6):656–61
Effects of preoperative duration of symptoms on patients with myasthenia gravis. Monden Y, et al. Ann Thorac Surg 1984 Sep;38(3):287–91
Total thymectomy in the early chick embryo. Martin CS. Arch Anat Microsc Morphol Exp 1983;72(2):107–15
Myasthenia gravis in monozygotic twins. Clinical follow-up nine years after thymectomy. Allen N, et al. Arch Neurol 1984 Sep;41(9):994–6
Role of plasmapheresis in preparing myasthenic patients for thymectomy: initial results. Spence PA, et al. Can J Surg 1984 May;27(3):303–5
Defective bursa regeneration after irradiation of young thymectomized chickens. Bhogal BS, et al. Cell Immunol 1984 Aug;87(1):159–66
Postoperative respiratory care after transsternal thymectomy in myasthenia gravis. A 3-year experience in 53 patients. Gracey DR, et al. Chest 1984 Jul;86(1):67–71
Immunological abnormalities involving the thymus in ulcerative colitis and therapeutic effects of thymectomy. Tsuchiya M. Gastroenterol Jpn 1984 Jun;19(3):232–46
A new approach to late onset myasthenia gravis. Olanow CW, et al. Geriatrics 1984 Jan;39(1):91–3, 97–9
Distribution of immunoglobulin-containing cells in normal and neonatally thymectomized rats. Ebersole JL, et al. Infect Immun 1983 Nov;42(2):668–74
Thymectomy in myasthenia gravis. A review. Oosterhuis HJ. Ital J Neurol Sci 1983 Dec;4(4):399–407 (92 ref.)
Thymectomy in myasthenia gravis. Nanavati NJ, et al. J Assoc Physicians India 1983 Dec;31(12):791–3
The effect of thymectomy on lupus-prone mice. Hang L, et al. J Immunol 1984 Apr;132(4):1809–13
Thymectomy: a recommended procedure for myasthenia gravis. Morris J. J Neurosurg Nurs 1981 Oct;13(5):226–33
Thymectomy for myasthenia gravis in children. Youssef S. J Pediatr Surg 1983 Oct;18(5):537–41
Results of surgical treatment for thymoma. Shamji F, et al. J Thorac Cardiovasc Surg 1984 Jan;87(1):43–7
Thymectomy in polymyositis [letter] Lancet 1984 Mar 17; 1(8377):626–7
Thymectomy for autoimmune disease other than rheumatoid arthritis [letter] Harati Y, et al. Lancet 1984 Apr 7; 1(8380):792
Benefit of thymectomy in immune diseases other than myasthenia [letter] Szobor A. Lancet 1984 Feb 4; 1(8371):277–8
AChR antibody titer and clinical response to thymectomy in MG [letter] Olanow CW, et al. Neurology (NY) 1984 Jul;34(7):987–8
Myasthenia gravis: determinants for independent ventilation after transsternal thymectomy. Younger DS, et al. Neurology (NY) 1984 Mar;34(3):336–40
[Thymectomy in myasthenia gravis] Noyez L, et al. Acta Chir Belg 1984 Mar–Apr;84(2):61–6 (Eng. Abstr.) (Dut)
[Thymectomy in myasthenia gravis] Schumpelick V, et al. Dtsch Med Wochenschr 1984 Jul 27;109(30):1166–72 (64 ref.) (Ger)
[Effects of thymosin alpha 1 on some time-dependent functions in thymectomized mice] Baldassarre AM, et al. Boll Soc Ital Biol Sper 1984 Jan 30;60(1):147–51 (Eng. Abstr.) (Ita)
[Morphometry of Malpighian bodies in thymectomized rats] Vecchi C, et al. Riv Biol 1983 Autumn;76(3):489–92 (Ita)
[Myasthenia gravis: respiratory care after thymectomy] Yoshitake T, et al. Kokyu To Junkan 1983 Dec; 31(12):1307–11 (Jpn)
[Electronmicroscopical and histochemical studies on experimental gastritis after thymectomy in the mouse] Tamaru T, et al. Nippon Shokakibyo Gakkai Zasshi 1983 Apr;80(4):945–53 (Eng. Abstr.) (Jpn)
[Clinical experience with thymectomy in myasthenia gravis at Giessen University] Hagiwara H, et al. Rinsho Kyobu Geka 1983 Jul;3(4):451–7 (Eng. Abstr.) (Jpn)
[Clinical indication and results of extensive thymectomy in myasthenia gravis] Sibata K, et al. Rinsho Kyobu Geka 1983 Jul;3(4):444–50 (Eng. Abstr.) (Jpn)

[Thymectomy for the treatment of thymoma—concomitant administration of large doses of prednisolone on alternate days before and after the surgical procedure] Yamaguchi Y, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):437–43 (Eng. Abstr.) **(Jpn)**

[Myasthenia gravis—surgical treatment (indications and results)] Juvara I, et al. **Rev Chir [Chir]** 1983 Sep–Oct; 32(5):325–38 (Eng. Abstr.) **(Rum)**

[Personal experience in thymus surgery] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):411–7 (Eng. Abstr.) **(Rum)**

[Thymectomy for myasthenia. Considerations on a new case] Lazăr C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):299–30 (Eng. Abstr.) **(Rum)**

[Coagulative and fibrinolytic activities of the blood in thymectomized rats] Mitiurina OV, et al. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):68–70 (Eng. Abstr.) **(Rus)**

[Residual thymus after surgical treatment of myasthenia] Vasil'ev VN, et al. **Sov Med** 1983;(10):32–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Genetic susceptibility to testicular autoimmunity: comparison between postthymectomy and postvasectomy models in mice. Kojima A, et al. **Biol Reprod** 1983 Aug;29(1):195–205

Postthymectomy pericardial tamponade [letter] Mielke JW, et al. **Chest** 1984 Apr;85(4):583

[Case of acromegaly after thymectomy] Zel'tser ME, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):42–3 **(Rus)**

METHODS

A new technique of microsurgical adult thymectomy in mice. Yamasaki T, et al. **Nippon Geka Hokan** 1983 Mar 1; 52(2):164–9

[Anesthesia for transsternal thymectomy in myasthenia gravis] Pinto Saraiva PA, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3373–7 (Eng. Abstr.) **(Fre)**

[Surgical treatment of myasthenia gravis in children] Kuzin MI, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):68–74 (Eng. Abstr.) **(Rus)**

[Features of the surgical anatomy of the thymus gland in myasthenia patients] Vasil'ev VN. **Vestn Khir** 1984 Apr; 132(4):29–33 (Eng. Abstr.) **(Rus)**

THYMIC FACTOR, CIRCULATING see under **THYMUS HORMONES**

THYMIC GROUP VIRUSES see **MOUSE LEUKEMIA VIRUSES**

THYMIC HORMONES see **THYMUS HORMONES**

THYMIDINE

The errors of thymidine labelling in breast cancer. Smallwood JA, et al. **Clin Oncol** 1983 Dec;9(4):331–5

Photoreaction of 8-methoxypsoralen with thymidine. Shim SC, et al. **Photochem Photobiol** 1983 Sep;38(3):265–71

ADMINISTRATION & DOSAGE

Methotrexate with thymidine protection or rescue in advanced head and neck cancer: a phase II study. Schornagel JH, et al. **Cancer Treat Rep** 1984 Mar; 68(3):543–5

Methotrexate-induced renal impairment: clinical studies and rescue from systemic toxicity with high-dose leucovorin and thymidine. Abelson HT, et al. **J Clin Oncol** 1983 Mar; 1(3):208–16

ANALOGS & DERIVATIVES

Combination therapy for dendritic keratitis. High-titer alpha-interferon and trifluridine. Sundmacher R, et al. **Arch Ophthalmol** 1984 Apr;102(4):554–5

Strategies for the measurement of the inhibitory effects of thymidine analogs on the activity of thymidylate synthase in intact murine leukemia L1210 cells. Balzarini J, et al. **Biochim Biophys Acta** 1984 Feb 28;785(1–2):36–45

Completion of excision repair patches in human cell preparations: identification of a probable mode of excision and resynthesis. Cleaver JE. **Carcinogenesis** 1984 Mar; 5(3):325–30

Assessment of mutagenic efficiency of two carcinogen-modified nucleosides, 1,N6-ethenodeoxyadenosine and O4-methyldeoxythymidine, using polymerases of varying fidelity. Singer B, et al. **Carcinogenesis** 1984 Sep; 5(9):1165–71

Sensitization of Escherichia coli B/r to X-irradiation by 2'-chloro-2'-deoxythymidine. Hayashi M, et al. **Int J Radiat Biol** 1984 Feb;45(2):185–92

Human interferon alpha A or alpha D and trifluridine treatment for herpetic keratitis in rabbits. Trousdale MD, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):480–3

Incorporation of 18O2 into thymidine 5'-aldehyde in neocarzinostatin chromophore-damaged DNA. Chin DH, et al. **J Biol Chem** 1984 Aug 25;259(16):9975–8

Thymine arabinoside (Ara-T) topical and iontophoretic application for herpes simplex virus type 1 and type 2 skin infections in hairless mice. Hill JM, et al. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):17–20

Molecular basis of the antineoplastic activity of 3'-amino-3'-deoxythymidine. Chen MS, et al. **Mol Pharmacol** 1984 May;25(3):441–5

Synthesis and reaction of 4'-hydroperoxynucleosides. A model for oxidative degradation of DNA by action of bleomycins. Saito I, et al. **Nucleic Acids Symp Ser** 1983; (12):95–8

O4-ethyldeoxythymidine, but not O6-ethyldeoxyguanosine, accumulates in hepatocyte DNA of rats exposed continuously to diethylnitrosamine. Swenberg JA, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1692–5

Ionizing radiation and tritium transmutation both cause formation of 5-hydroxymethyl-2'-deoxyuridine in cellular DNA. Teebor GW, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):318–21

[Acyclovir and trifluorothymidine in herpetic kerato-uveitis. A comparative clinical study. Indications for corticoid therapy] Hoang-Xuan T, et al. **J Fr Ophtalmol** 1984; 7(2):125–31 (Eng. Abstr.) **(Fre)**

[Inhibition of DNA biosynthesis in sea urchin embryos by 2',3'-dideoxy-3'-aminonucleosides] Kukhanova MK, et al. **Biokhimiia** 1983 Oct;48(10):1747–51 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

A reappraisal of the effect upon thymidine kinase of thymidine derivatives carrying large groups at the 5'-position. Barrie SE, et al. **J Med Chem** 1984 Aug; 27(8):1044–7

BLOOD

Thymidine factor in human cord sera and relationship to birth size, gestational age and insulin. Nagashima K, et al. **Biol Neonate** 1983;44(6):333–8

Plasma growth-promoting activity measured as thymidine activity in constitutionally short children. Thiériot-Prévost G, et al. **Horm Res** 1984;19(1):1–4

The effect of age on the accumulation of labile triosephosphate isomerase and thymidine incorporation in pokeweed mitogen stimulated human lymphocytes. Tollefsbol TO, et al. **J Gerontol** 1984 Jul;39(4):398–405

DIAGNOSTIC USE

Mitotic and labelling activity in normal human epidermis in vivo. Camplejohn RS, et al. **Cell Tissue Kinet** 1984 Jul; 17(4):315–22

Short-term thymidine uptake in normal and neoplastic tissues: studies for PET. Shields AF, et al. **J Nucl Med** 1984 Jul;25(7):759–64

[Cell kinetic study of human gastric cancers—using an in vitro 3H-thymidine labeling method] Sasaki K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1408–13 (Eng. Abstr.) **(Jpn)**

GENETICS

Suppression by thymidine-requiring mutants of Escherichia coli K-12. Herrington MB, et al. **J Bacteriol** 1984 Jan; 157(1):126–9

METABOLISM

Purine, thymidylate and amino acid requirements for human lymphocyte transformation and fragile chromosome site expression. Snyder FF, et al. **Adv Exp Med Biol** 1984;165 Pt A:397–400

Uptake of thymidine by plasma membrane vesicles of L5178Y murine leukemic cells. Torrent-Quetglas M, et al. **Adv Exp Med Biol** 1984;165 Pt B:289–92

[3H]thymidine uptake in cells of rat condylar cartilage. Heeley JD, et al. **Am J Anat** 1983 Aug;167(4):451–62

A microassay for colony-stimulating factor based on thymidine incorporation. Prystowsky MB, et al. **Am J Pathol** 1984 Jan;114(1):149–56

Differential metabolism of thymidine in human lymphoid and melanoma cells in vitro. Leyva A, et al. **Anticancer Res** 1984 May–Jun;4(3):173–8

Comparison of ketoconazole and amphotericin B in interference with thymidine uptake by and blastogenesis of lymphocytes stimulated with Histoplasma capsulatum antigens. Alford RH, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):575–8

Comparison of flow cytometric analysis and [3H]thymidine incorporation for measurement of the effects of drug toxicity on lymphocyte stimulation. Marmer DJ, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):605–8

Effects of a new antitumor compound, mopidamol, on thymidine and 2-deoxyglucose transport in leukaemic L 1210 cells. Trentesaux C, et al. **Arzneimittelforsch** 1984; 34(1):5–8

The effect of interferon on cells deficient in nucleoside transport or lacking thymidine kinase activity. Gewert DR, et al. **Biochem Biophys Res Commun** 1984 Jan 13; 118(1):124–30

Thymidylate synthetase-deficient mouse FM3A mammary carcinoma cell line as a tool for studying the thymidine salvage pathway and the incorporation of thymidine analogues into host cell DNA. Balzarini J, et al. **Biochem J** 1984 Jan 1;217(1):245–52

Inhibition of cell division by interferons. The relationship between changes in utilization of thymidine for DNA synthesis and control of proliferation in Daudi cells. Gewert DR, et al. **Biochem J** 1983 Sep 15;214(3):983–90

Human tissues degrade uridine much less than thymidine. Possible consequence for 5-fluorouracil therapy. Liermann B, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):721–4

Continuous [3H] thymidine infusion: a method for the study of follicular dynamics. Hirshfield AN. **Biol Reprod** 1984 Mar;30(2):485–91

Assessment of mitogenesis of the hormone-responsive NMU rat mammary tumor grown in culture in soft agar, using 3H-thymidine incorporation into DNA. Manni A, et al. **Breast Cancer Res Treat** 1983;3(3):287–92

DNA damage induced in human diploid cells by decay of incorporated radionuclides. LeMotte PK, et al. **Cancer Res** 1984 Apr;44(4):1337–42

A method for dissociation of viable human breast cancer cells that produces flow cytometric kinetic information similar to that obtained by thymidine labeling. McDivitt RW, et al. **Cancer Res** 1984 Jun;44(6):2628–33

Clinical correlations with chemosensitivities measured in a rapid thymidine incorporation assay. Sondak VK, et al. **Cancer Res** 1984 Apr;44(4):1725–8

Analysis of the inhibitory effects of VP-16-213 (etoposide) and podophyllotoxin on thymidine transport and metabolism in Ehrlich ascites tumor cells in vitro. Yalowich JC, et al. **Cancer Res** 1984 Mar;44(3):984–9

Inhibition of thymidine transport by low density lipoprotein and its lipid components. Takii Y, et al. **Cell Struct Funct** 1983 Sep;8(3):211–21

Effect of methotrexate on cells in a keratinized epithelium with an active thymidine salvage pathway assessed by autoradiography. Møller U, et al. **Cell Tissue Kinet** 1984 Sep;17(5):497–507

3H-thymidine-radiographic studies of neurogenesis in the rat olfactory bulb. Bayer SA. **Exp Brain Res** 1983; 50(2–3):329–40

The correlation between plasminogen activator activity and thymidine incorporation in mouse bone marrow-derived macrophages. Opposing actions of colony-stimulating factor, phorbol myristate acetate, dexamethasone and prostaglandin E. Hume DA, et al. **Exp Cell Res** 1984 Feb; 150(2):347–55

The effects of different thymidine concentrations on DNA replication in pea-root cells synchronized by a protracted 5-fluorodeoxyuridine treatment. Schvartzman JB, et al. **Exp Cell Res** 1984 Feb;150(2):379–89

Selective incorporation of thymidine in the organelle DNA of Polytoma obtusum. Siu CH, et al. **Exp Cell Res** 1983 Sep;147(2):449–53

The diurnal fluctuations in unincorporated radio-thymidine pool and its relation to the circadian rhythm of thymidine incorporation in mouse pinna skin. Spargo DJ, et al. **Exp Cell Res** 1984 Aug;153(2):534–8

The effect of alkyl-lysophospholipids on tritiated thymidine incorporation and clonogenicity in vitro of normal and leukemic human cells. Vogler WR, et al. **Exp Hematol** 1984 Aug;12(7):569–74

Cell kinetic studies in the epidermis of the mouse. I. Changes in labeling index with time after tritiated thymidine administration. Potten CS, et al. **Experientia** 1983 Oct 15; 39(10):1125–9

The inhibitory effect of D-glucosamine on thymidine kinase in chick embryo retinas and HeLa cells. Tesoriere G, et al. **Experientia** 1984 Jul 15;40(7):705–7

[3H]thymidine autoradiographic and alkaline phosphatase histochemical studies of intestinal metaplasia of the human stomach. Hashimoto M, et al. **Histochem J** 1983 Oct; 15(10):953–9

Characteristics of the action of prolactin on [3H]-thymidine incorporation into DNA in mammary gland explants from virgin mice. Rillema JA, et al. **Horm Metab Res** 1983 Aug; 15(8):385–8

Growth hormone dependency of the effect of human serum on thymidine uptake by lectin-activated human lymphocytes. Salvatoni A, et al. **Horm Res** 1984;19(1):5–11

Kinetics of thymidine entry into tonsillar lymphocytes and its alteration in the presence of a lymphokine. Szabó MT, et al. **Immunol Commun** 1984;13(3):199–209

Effect of D-valine and cytosine arabinoside on [3H]thymidine incorporation in rat and rabbit epididymal epithelial cell cultures. Orgebin-Crist MC, et al. **In Vitro** 1984 Jan;20(1):45–52

Clinical and biochemical studies of high-dose thymidine treatment in patients with solid tumors. Leyva A, et al. **J Cancer Res Clin Oncol** 1984;107(3):211–6

Increased uptake of thymidine in the activation of sea urchin eggs. III. Effects of aphidicolin. Nishioka D, et al. **J Cell Physiol** 1984 Jan;118(1):27–33

Action of multiplication-stimulating activity on [3H]thymidine incorporation in rabbit and human fetal chondrocytes in vitro. Ashton IK, et al. **J Endocrinol** 1983 Oct;99(1):93–8

Mycoplasma infection of cell cultures: thymidine incorporation of culture supernatants as a screening test. Kaplan DR, et al. **J Immunol** 1984 Jan;132(1):9–11

Mycoplasma infection of cell cultures: thymidine incorporation of culture supernatants as a screening test [letter] McGarrity GJ. **J Immunol** 1984 Sep;133(3):1683

IgG-protein A complexes modulate thymidine incorporation into DNA of antibody and complement-stimulated cells. Shearer WT, et al. **J Immunol** 1984 May;132(5):2279–84

Termination of tritiated thymidine incorporation by freezing the cells. Rinderknecht SB, et al. **J Immunol Methods** 1983 Dec 30;65(3):293–4

Regional thymidine transport and incorporation in experimental brain and subcutaneous tumors. Molnar P, et al. **J Neurochem** 1984 Aug;43(2):421–32

A mechanism for the stimulation by inorganic mercury of [3H] thymidine incorporation into DNA in cultured Molt–4F cells. Ochi T, et al. **Jpn J Exp Med** 1983 Aug; 53(4):187–94

Antagonism of feedback inhibition. Stimulation of the phosphorylation of thymidine and 5–iodo–2'–deoxyuridine by 5–iodo–5'–amino–2',5'–dideoxyuridine. Fischer PH, et al. **Mol Pharmacol** 1984 May;25(3):446–51

Toxicity and mutagenicity of X–rays and [125I]dUrd or [3H]TdR incorporated in the DNA of human lymphoblast cells. Liber HL, et al. **Mutat Res** 1983 Nov;111(3):387–404

Effect of ACTH 1–17 at different circadian stages on [3H]TdR incorporation into DNA. Scheving LE, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):507–18

Spectra of base substitution mutations induced in Escherichia coli by tritiated water and the decay of incorporated tritiated thymidine. Ise T, et al. **Radiat Res** 1984 Jan; 97(1):200–10

Effects of 2,3,7,8–tetrachlorodibenzo–p–dioxin on [3H]thymidine incorporation into rat liver deoxyribonucleic acid. Christian BJ, et al. **Toxicology** 1983 Sep;28(1–2):133–46

The in vivo uptake of tritiated thymidine as a potential short–term test of toxic effects of polycyclic aromatic hydrocarbons in different organs. Hellman B, et al. **Toxicology** 1984 Jan;29(3):183–94

[Prediction of the response of patients with acute leukemia to chemotherapeutic agents by tritiated thymidine uptake by leukocytes] Li ZJ. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):359–62 (Eng. Abstr.) **(Chi)**

[Estradiol and 3 H–thymidine incorporation in cultured human cancer cells (breast–endometrium)] Jozan S, et al. **Bull Assoc Anat (Nancy)** 1983 Jun;67(197):193–7 (Eng. Abstr.) **(Fre)**

[3H–thymidine incorporation following isoleucine limitation in stringent and relaxed controlled strains of Escherichia coli] Hecker M, et al. **Z Allg Mikrobiol** 1984;24(1):57–60 (Eng. Abstr.) **(Ger)**

[3H–thymidine incorporation into human aorta cells in primary culture. An autoradiographic study] Andreeva ER, et al. **Tsitologiia** 1983 Jul;25(7):849–51 (Eng. Abstr.) **(Rus)**

[Electron–radioautographic analysis of 3H–thymidine distribution in the cell nuclei of the Chinese hamster] Iuzhakov VV. **Tsitologiia** 1983 Sep;25(9):1013–8 (23 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Synergism between purines and thymidine (TDR) in reversal of methotrexate (MTX) toxicity in mice using continuous infusions. Uitendaal MP, et al. **Adv Exp Med Biol** 1984;165 Pt B:401–5

Kinetic analysis in cell culture of the reversal of antiherpes activity of nucleoside analogs by thymidine. Larsson A, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):819–22

Phagocytic activity of HeLa cells after thymidine treatment. Kobayashi M, et al. **Arch Histol Jpn** 1983 Sep;46(4):479–89

Modulation of 5–fluorouracil metabolism by thymidine. In vivo and in vitro studies on RNA–directed effects in rat liver and hepatoma. Engelbrecht C, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):745–50

Thymidine enhancement of methotrexate and 5–fluorouracil toxicity in cultured human colon carcinoma. Benz C, et al. **Cancer Chemother Pharmacol** 1984;12(2):104–10

Effect of thymidine on the toxicity and antitumor activity of cis–diamminedichloroplatinum (II). Grossie VB Jr, et al. **Cancer Chemother Pharmacol** 1984;13(1):27–30

Critical modulation by thymidine and hypoxanthine of sequential methotrexate–5–fluorouracil synergism in murine L1210 cells. Piper AA, et al. **Cancer Res** 1983 Nov; 43(11):5101–5

Factors modifying the synergistic toxicity of deoxycytidine in combination with thymidine plus 5–fluorouracil in HeLa cells. Fried J, et al. **Cell Tissue Kinet** 1983 Nov;16(6):539–48

Inhibitors of DNA synthesis induce sister chromatid exchanges at the early S phase of the cell cycle. Rainaldi G, et al. **Chromosoma** 1984;90(1):46–9

Releasing effect of thymidine on G1 phase arrest of erythroleukemia cells caused by FUDR and HMBA. Bin X, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):133–7

In vitro reversal of fragile–X expression by exogenous thymidine. Gardiner GB, et al. **Clin Genet** 1984 Feb; 25(2):135–9

The influence of methotrexate and thymidine on the human natural killer cell function in vitro. Matheson DS, et al. **J Immunol** 1983 Oct;131(4):1619–21

Modulation of deoxycytidine metabolism in vivo with high–dose thymidine in mice. Zaharko DS, et al. **JNCI** 1983 Nov;71(5):1033–9

Dipyridamole inhibits reversion by thymidine of methotrexate effect and increases drug uptake in Sarcoma 180 cells. Cabral S, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3200–3

PHYSIOLOGY

[Cell death and genetic alterations induced by thymidylate stress] Ayusawa D. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):614–22 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effect of very high–dose thymidine infusions on leukemia and lymphoma patients. Blumenreich MS, et al. **Cancer Res** 1984 May;44(5):2203–7

Thymidine as a kinetic and biochemical modulator of 1–beta–D–arabinofuranosylcytosine in human acute nonlymphocytic leukemia. Blumenreich MS, et al. **Cancer Res** 1984 Feb;44(2):825–30

Improved therapeutic index with high–dose methotrexate: comparison of thymidine–purine rescue with citrovorum factor rescue in mice. Samuels LL, et al. **Cancer Res** 1984 Jun;44(6):2278–84

TOXICITY

Thymidine sensitivity and deoxynucleotide pools of human lymphoid and melanoma cells in vitro. Leyva A, et al. **Adv Exp Med Biol** 1984;165 Pt B:389–93

Cytotoxic and biochemical effects of thymidine and 3–deazauridine on human tumor cells. Lockshin A, et al. **Cancer Res** 1984 Jun;44(6):2534–9

Mutator phenotype in a mutant of S49 mouse T–lymphoma cells with abnormal sensitivity to thymidine. Roguska MA, et al. **J Biol Chem** 1984 Mar 25;259(6):3782–90

Adaptive response of human lymphocytes to low concentrations of radioactive thymidine. Olivieri G, et al. **Science** 1984 Feb 10;223(4636):594–7

THYMIDINE DIPHOSPHATE SUGARS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

THYMIDINE KINASE

ANALYSIS

Isozyme pattern of thymidine kinase during liver regeneration. Coloma J, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):457–62

Monoclonal antibodies to herpes simplex virus thymidine kinase. Banks LM, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1625–30

ANTAGONISTS & INHIBITORS

Enzyme inhibition by phosphonate analogues of dTTP. Barrie SE, et al. **Adv Exp Med Biol** 1984;165 Pt B:371–4

Inhibition of the herpes simplex virus–coded thymidine kinase–complex by 9–beta–D–arabinofuranosyladenine 5'–monophosphate (ara–AMP) and 9–(2–hydroxyethoxymethyl)guanine–monophosphate (acyclo–GMP). Labenz J, et al. **Arch Virol** 1984; 81(3–4):205–12

Hydroxyurea inhibits thymidine kinase activity in developing rat cerebellum. Kaplay M, et al. **Biochem Int** 1983 Feb; 6(2):283–9

Hydroxyurea inhibition of thymidine kinase is dependent on the developmental stage of the brain region. Prabhakar V, et al. **Biochem Int** 1984 Mar;8(3):409–17

The inhibitory effect of D–glucosamine on thymidine kinase in chick embryo retinas and HeLa cells. Tesoriere G, et al. **Experientia** 1984 Jul 15;40(7):705–7

A reappraisal of the effect upon thymidine kinase of thymidine derivatives carrying large groups at the 5'–position. Barrie SE, et al. **J Med Chem** 1984 Aug; 27(8):1044–7

BIOSYNTHESIS

Differential binding affinities of sugar–modified derivatives of (E)–5–(2–bromovinyl)–2'–deoxyuridine for herpes simplex virus–induced and human cellular deoxythymidine kinases. Zou FC, et al. **Biochem Pharmacol** 1984 Jun 1; 33(11):1797–800

5–azacytidine induction of thymidine kinase in a spontaneously enzyme–deficient murine tumor line. Liteplo RG, et al. **Exp Cell Res** 1984 Feb;150(2):499–504

A mutant strain of varicella–zoster virus deficient in thymidine kinase–inducing activity. Yokota T, et al. **Fukushima J Med Sci** 1983 Jul;29(3–4):101–11

Characterization of Epstein–Barr virus–related thymidine kinase induced in nonproducer cells by superinfection or chemical treatment. Mac Gabhann P, et al. **Intervirology** 1984;21(2):104–9

Thymidine kinase (TK) induction after infection of TK–deficient rabbit cell mutants with bovine herpesvirus type 1 (BHV–1): isolation of TK– BHV–1 mutants. Kit S, et al. **Virology** 1983 Oct 30;130(2):381–9

[Induction, by 17 beta–estradiol, of thymidine kinase activity in uteri of rats] Haras D, et al. **C R Soc Biol (Paris)** 1983; 177(3):283–9 (Eng. Abstr.) **(Fre)**

BLOOD

Pyrimidine metabolism in folate deficient lymphoblasts. Van Der Weyden MB, et al. **Adv Exp Med Biol** 1984;165 Pt A:525–9

Serum thymidine kinase in acute leukaemia. Hagberg H, et al. **Br J Cancer** 1984 Apr;49(4):537–40

Application of an in vitro assay for serum thymidine kinase: results on viral disease and malignancies in humans. Gronowitz JS, et al. **Int J Cancer** 1984 Jan 15;33(1):5–12

Serum thymidine kinase in vitamin B12 deficiency. Hagberg H, et al. **Scand J Haematol** 1984 Jan;32(1):41–5

DEFICIENCY

Thymidine–kinase activity of cultured cells from individuals with inherited galactokinase deficiency. Schoen RC, et al. **Am J Hum Genet** 1984 Jul;36(4):815–22

Neurovirulence of an herpes simplex type 1 thymidine kinase negative mutant determined by virus biochemical defect and host immune system in mice. Brief report. Gordon YJ, et al. **Arch Virol** 1984;80(2–3):225–9

The effect of interferon on cells deficient in nucleoside transport or lacking thymidine kinase activity. Gewert DR, et al. **Biochem Biophys Res Commun** 1984 Jan 13; 118(1):124–30

Isolation of thymidine kinase–deficient rat hepatoma cells by selection with bromodeoxyuridine, Hoechst 33258, and visible light. Killary AM, et al. **Biochem Genet** 1984 Apr; 22(3–4):201–13

Tissue preference and differentiation of malignant rat x mouse hybrid cells in chimaeric mouse fetuses. Duboule D, et al. **EMBO J** 1982;1(12):1595–603

Establishment and characterization of cell lines from the Walker carcinoma 256 able to grow in suspension culture and deficient in thymidine kinase. Arvelo F, et al. **In Vitro** 1984 Jul;20(7):549–65

Induction of an anti–viral response and 2',5'–oligo A synthetase by interferon in several thymidine kinase–deficient cell lines. Lewis JA, et al. **Virology** 1984 Mar;133(2):464–9

GENETICS

Selectivity of antiviral effectiveness derived from differences of herpes simplex virus–coded thymidine kinases. Fyfe JA. **Adv Exp Med Biol** 1984;165 Pt A:245–8

DNA–mediated gene transfer is more efficient during S–phase of the cell cycle. Giulotto E, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):310–6

Nucleotide sequence of the herpes simplex virus type 2 (HSV–2) thymidine kinase gene and predicted amino acid sequence of thymidine kinase polypeptide and its comparison with the HSV–1 thymidine kinase gene. Kit S, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):158–70

Effects of temperature changes on thymidine kinase in heat– and cold–sensitive cell–cycle mutants and 'wild–type' murine P–815 cells. Schneider E, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):77–85

Reversion of mutations in the thymidine kinase gene in herpes simplex viruses resistant to phosphonoacetate. Campione–Piccardo J, et al. **Can J Microbiol** 1984 May; 30(5):560–4

Increased activity of thymidine kinase isozyme in human colon tumor. Sakamoto S, et al. **Carcinogenesis** 1984 Feb; 5(2):183–5

Inhibition of thymidine kinase gene expression by anti–sense RNA: a molecular approach to genetic analysis. Izant JG, et al. **Cell** 1984 Apr;36(4):1007–15

Evidence for intrachromosomal gene conversion in cultured mouse cells. Liskay RM, et al. **Cell** 1983 Nov;35(1):157–65

The distal transcription signals of the herpesvirus tk gene share a common hexanucleotide control sequence. McKnight SL, et al. **Cell** 1984 May;37(1):253–62

Transmission distortion and mosaicism in an unusual transgenic mouse pedigree. Palmiter RD, et al. **Cell** 1984 Apr;36(4):869–77

Coordinate modulation of transfected HSV thymidine kinase and human globin genes. Roginski RS, et al. **Cell** 1983 Nov; 35(1):149–55

Both early and late control sequences of SV40 and polyoma promote transcription of Escherichia coli gpt gene in transfected cells. Bourachot B, et al. **EMBO J** 1982; 1(8):895–900

A synthetic heat–shock promoter element confers heat–inducibility on the herpes simplex virus thymidine kinase gene. Pelham HR, et al. **EMBO J** 1982;1(11):1473–7

Transformation of L cells with virus thymidine kinase genes introduced by red cell–mediated microinjection. Iino T, et al. **Exp Cell Res** 1983 Oct 15;148(2):475–80

The effects of glucocorticoids on thymidine kinase and nucleoside phosphotransferase during development of chicken embryo retina. Tesoriere G, et al. **FEBS Lett** 1983 Nov 28;164(1):166–70

Differential salt fractionation of active and inactive genomic domains in chicken erythrocyte. Rocha E, et al. **J Biol Chem** 1984 Jul 10;259(13):8558–63

Purification and characterization of herpes simplex virus (type 1) thymidine kinase produced in Escherichia coli by a high efficiency expression plasmid utilizing a lambda PL promoter and cI857 temperature–sensitive repressor. Waldman AS, et al. **J Biol Chem** 1983 Oct 10; 258(19):11571–5

Control of expression of the herpes simplex virus thymidine kinase gene in biochemically transformed cells. El Kareh A, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):19–36

Characterization of eukaryotic transcriptional control signals by assay of herpes simplex virus type 1 thymidine kinase. Lang JC, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2679–96

Thymidine kinase of herpes virus as a vehicle for the isolation and characterization of unknown mammalian promoters and enhancers. Pater MM, et al. **J Mol Appl Genet** 1984; 2(4):363–71

Effects of deletions on expression of the herpes simplex virus thymidine kinase gene from the intact viral genome: the amino terminus of the enzyme is dispensable for catalytic

activity. Halpern ME, et al. **J Virol** 1984 Jun;50(3):733–8
Gamma–T4 hybrid bacteriophage carrying the thymidine kinase gene of bacteriophage T4. Mileham AJ, et al. **J Virol** 1984 May;50(2):619–22
Positive control of the herpes simplex virus thymidine kinase gene requires upstream DNA sequences. Smiley JR, et al. **J Virol** 1983 Aug;47(2):301–10
Functional suppression in mammalian cells of nonsense mutations in the herpes simplex virus thymidine kinase gene by suppressor tRNA genes. Summers WP, et al. **J Virol** 1983 Aug;47(2):376–9
Plasmid rescue – a tool for reproducible recovery of genes from transfected mammalian cells? Kiessling U, et al. **MGG** 1984;193(3):513–9
Control of Herpes simplex virus thymidine kinase gene expression in Saccharomyces cerevisiae by a yeast promoter sequence. Zhu XL, et al. **MGG** 1984; 194(1–2):31–41
Expression of complete chicken thymidine kinase gene inserted in a retrovirus vector. Bandyopadhyay PK, et al. **Mol Cell Biol** 1984 Apr;4(4):749–54
Expression from an internal AUG codon of herpes simplex thymidine kinase gene inserted in a retrovirus vector. Bandyopadhyay PK, et al. **Mol Cell Biol** 1984 Apr; 4(4):743–8
Changes in structure and methylation pattern in a cluster of thymidine kinase genes. Christy BA, et al. **Mol Cell Biol** 1984 Apr;4(4):611–7
Retrovirus transduction: segregation of the viral transforming function and the herpes simplex virus tk gene in infectious Friend spleen focus-forming virus thymidine kinase vectors. Joyner AL, et al. **Mol Cell Biol** 1983 Dec; 3(12):2191–202
Isolation and preliminary characterization of the Chinese hamster thymidine kinase gene. Lewis JA, et al. **Mol Cell Biol** 1983 Oct;3(10):1815–23
Homologous recombination between overlapping thymidine kinase gene fragments stably inserted into a mouse cell genome. Lin FL, et al. **Mol Cell Biol** 1984 May;4(5):852–61
Model for homologous recombination during transfer of DNA into mouse L cells: role for DNA ends in the recombination process. Lin FL, et al. **Mol Cell Biol** 1984 Jun;4(6):1020–34
Locus specificity of mutagenicity of 2,4–diaminotoluene in both L5178Y mouse lymphoma and AT3–2 Chinese hamster ovary cells. Coppinger WJ, et al. **Mutat Res** 1984 Feb;135(2):115–23
The evaluation of the use of 10% rather than 20% horse serum in the cloning and selection of TK–/– mutants of L5178Y/TK+/– mouse lymphoma cells. Moore MM, et al. **Mutat Res** 1984 Aug;140(4):215–8
An evaluation of the L5178Y TK+/– mouse lymphoma forward mutation assay using 42 chemicals. Oberly TJ, et al. **Mutat Res** 1984 Feb;125(2):291–306
Post–transcriptional regulation of the chicken thymidine kinase gene. Groudine M, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1427–46
The nucleotide sequence of the chicken thymidine kinase gene and the relationship of its predicted polypeptide to that of the vaccinia virus thymidine kinase. Kwoh TJ, et al. **Nucleic Acids Res** 1984 May 11;12(9):3959–71
A pattern of partially homologous recombination in mouse L cells. Anderson RA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):206–10
Insulin–induced reactivation of an inactive herpes simplex thymidine kinase gene. Clough DW, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):838–42
Direct isolation of the functional human thymidine kinase gene with a cosmid shuttle vector. Lau YF, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):414–8
Genomic cloning and preliminary characterization of the human thymidine kinase gene. Lin PF, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6528–32
Viral thymidine kinase–based transfection systems. Kit S. **Prog Clin Biol Res** 1983;132C:327–36
Herpes simplex virus thymidine kinase gene is stably maintained and expressed in cells transformed by protoplast fusion. Sandri–Goldin RM, et al. **Somatic Cell Mol Genet** 1984 Mar;10(2):129–38
Nucleotide sequence of the thymidine kinase gene region of monkeypox and variola viruses. Esposito JJ, et al. **Virology** 1984 Jun;135(2):561–7
Nucleotide sequence of the marmoset herpesvirus thymidine kinase gene and predicted amino acid sequence of thymidine kinase polypeptide. Otsuka H, et al. **Virology** 1984 Jun;135(2):316–30

ISOLATION & PURIFICATION

Thymidine kinase. A novel affinity chromatography of the enzyme and its regulation by phosphorylation in Physarum polycephalum. Gröbner P, et al. **J Biol Chem** 1984 Jun 25;259(12):8012–4

METABOLISM

Phosphorylation of four acyclic guanosine analogs by herpes simplex virus type 2 thymidine kinase. Larsson A, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):524–6
Neurovirulence of herpes simplex virus type 1 depends on age in mice and thymidine kinase expression. Ben–Hur T, et al. **Arch Virol** 1983;78(3–4):303–8
Replication of thymidine kinase deficient herpes simplex virus type 1 in neuronal cell culture: infection of the PC 12 cell. Rubenstein R, et al. **Arch Virol** 1983;78(1–2):49–64
Lack of site specific recombination of exogenous DNA in mouse L cells. Berg PE, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):959–65
Pyrimidine and purine activities in non–Hodgkin's lymphoma. Correlation with histological status and survival. Gan TE, et al. **Eur J Cancer Clin Oncol** 1984 Mar;20(3):361–8
Ontogeny of thymidine kinase and DNA in the hypothalamus and cerebral cortex of the rat: effects of neonatal estrogen. Litteria M, et al. **Exp Neurol** 1984 Mar;83(3):634–9
Effect of copper and cadmium pretreatments on DNA synthesis and thymidine kinase activity in the liver of dimethylnitrosamine–treated and partially hepatectomized rats. Sakai K, et al. **Gann** 1983 Oct;74(5):663–70
Effects of fasting and refeeding on antral, duodenal, and serum gastrin levels and on colonic thymidine kinase activity in rats. Majumdar AP. **Horm Res** 1984;19(2):127–34
Acute and temporary inhibition of thymidine kinase in mouse bone marrow cells after low–dose exposure. Feinendegen LE, et al. **Int J Radiat Biol** 1984 Mar;45(3):205–15
Thymidine kinase of bacteria: activity of the enzyme in actinomycetes and related organisms. Saito H, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1863–70
Alterations in the recognition of nucleoside analogues as substrates by the deoxythymidine kinase of a 5–methoxymethyldeoxyuridine–resistant mutant of herpes simplex virus type 1. Veerisetty V, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2767–70
Antagonism of feedback inhibition. Stimulation of the phosphorylation of thymidine and 5–iodo–2'–deoxyuridine by 5–iodo–5'–amino–2',5'–dideoxyuridine. Fischer PH, et al. **Mol Pharmacol** 1984 May;25(3):446–51
Intestinal development in the suckling rat: effects of weaning, diet composition, and glucocorticoids on thymidine kinase activity and DNA synthesis. Buts JP, et al. **Pediatr Res** 1984 Feb;18(2):145–50
Cytidine 5'–diphosphate reductase and thymidine kinase activities in phytohemagglutinin–stimulated lymphocytes of normal subjects of various ages and patients with immunodeficiency. Takeda E, et al. **Pediatr Res** 1984 Aug; 18(8):691–6
Effects of estrogen and prolactin on thymidine kinase isozyme activities in DMBA–induced rat mammary tumor. Sakamoto S, et al. **Toxicol Lett** 1984 Apr;21(1):91–6
Lack of correlation between thymidine kinase activity and the antiviral or antiproliferative response to interferon. Divizia M, et al. **Virology** 1984 Feb;133(1):216–9
[Clinical significance of DNA–synthesizing enzyme, thymidine kinase, in human colonic cancer] Sakamoto S, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20; 18(5):1156–9 (Eng. Abstr.) **(Jpn)**
[Experimental study of brain development in the perinatal period—effects of anoxia and dexamethasone on thymidine kinase activity and DNA synthesis] Takagi Y, et al. **No To Hattatsu** 1983 Sep;15(5):381–9 (Eng. Abstr.) **(Jpn)**

THYMIDINE MONOPHOSPHATE see under **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHATES see **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

THYMIDYLATE SYNTHETASE see under **METHYLTRANSFERASES**

THYMINE

A quantum chemical study of the effect of Na+ on the hydrogen bonds in the adenine–thymine base–pair. Hobza P, et al. **Biophys Chem** 1984 May;19(3):201–9
In vitro reaction of N–n–butyl–N–nitrosourea and n–butyl methanesulphonate with guanine and thymine bases of DNA. Saffhill R. **Carcinogenesis** 1984 May;5(5):621–5
Efficient syntheses of [3–15N]uracil and [3–15N]thymine. Griffey RH, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6497–504
Structure and function of an AT–rich, interspersed repetitive sequence from Chironomus thummi: solenoidal DNA, 142 bp palindrome–frame and homologies with the sequence for site–specific recombination of bacterial transposons. Israelewski N. **Nucleic Acids Res** 1983 Oct 25; 11(20):6985–96
Genotoxicity of the natural furochromones, khellin and visnagin and the identification of a khellin–thymine photoadduct. Abeysekera BF, et al. **Photochem Photobiol** 1983 Sep;38(3):311–5
Photoreaction of 4', 5'–dihydropsoralen with thymine. Shim SC, et al. **Photochem Photobiol** 1983 Sep;38(3):369–72
[Infrared spectra of uracil and thymine in an argon matrix] Radchenko ED, et al. **Biofizika** 1983 Nov–Dec;28(6):923–7 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Formation and possible functions of alpha–putrescinylthymine in bacteriophage phi W–14 DNA: analysis of bacteriophage mutants with decreased levels of alpha–putrescinylthymine in their DNAs. Miller PB, et al. **J Virol** 1983 Sep;47(3):399–405
alpha–Putrescinylthymine. Kropinski AM, et al. **Methods Enzymol** 1983;94:422–8
Synthesis of oligonucleotides containing the hypermodified base, alpha–putrescinylthymine. Takeda T, et al. **Nucleic Acids Symp Ser** 1983;(12):75–8
Urocanic acid photobiology. Photocycloaddition of N,N–dimethylthymine to urocanic acid. Morrison H, et al. **Photochem Photobiol** 1983 Jul;38(1):23–7
Properties of antibodies to thymine glycol, a product of the radiolysis of DNA. Rajagopalan R, et al. **Radiat Res** 1984 Mar;97(3):499–510
Enzymatic removal of O6–ethylguanine versus stability of O4–ethylthymine in the DNA of rat tissues exposed to the carcinogen ethylnitrosourea: possible interference of guanine–O6 alkylation with 5–cytosine methylation in the DNA of replicating target cells. Müller R, et al. **Z Naturforsch [C]** 1983 Nov–Dec;38(11–12):1023–9

ANALYSIS

Rapid quantitation of ultraviolet–induced thymine–containing dimers in human cell DNA by reversed–phase high–performance liquid chromatography. Cadet J, et al. **J Chromatogr** 1983 Dec 2;280(1):99–108
A new procedure for determining thymine residues in DNA sequencing. Photoinduced cleavage of DNA fragments in the presence of spermine. Saito I, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2879–85
[Correlation between the species radiosensitivity of animals and concentration of AT–rich sequences in DNA] Kalashnikova LA, et al. **Radiobiologiia** 1983 Nov–Dec; 23(6):734–8 (Eng. Abstr.) **(Rus)**

DEFICIENCY

[The genetic study on the mechanism of thymineless death in Escherichia coli] Nakayama K. **Fukuoka Igaku Zasshi** 1984 Feb;75(2):89–106 (Eng. Abstr.) **(Jpn)**

METABOLISM

Isolation of multiple mutants of Pseudomonas aeruginosa capable of efficient thymine salvage. Potter AA, et al. **Can J Genet Cytol** 1983 Oct;25(5):518–23
Accumulation of DNA strand breaks during thymineless death in thymidylate synthase–negative mutants of mouse FM3A cells. Ayusawa D, et al. **J Biol Chem** 1983 Oct 25;258(20):12448–54
DNA glycosylase activities for thymine residues damaged by ring saturation, fragmentation, or ring contraction are functions of endonuclease III in Escherichia coli. Breimer LH, et al. **J Biol Chem** 1984 May 10;259(9):5543–8
Biochemical characterization of the hamster thy mutator gene and its revertants. Trudel M, et al. **J Biol Chem** 1984 Feb 25;259(4):2355–9
Isolation and genetic characterization of a thymineless death–resistant mutant of Escherichia coli K12: identification of a new mutation (recQ1) that blocks the RecF recombination pathway. Nakayama H, et al. **MGG** 1984;195(3):474–80
Allosteric control of pyrimidine transport in Hymenolepis diminuta: an unusual kinetic isotope effect. Uglem GL, et al. **Parasitology** 1983 Oct;87 (Pt 2):289–93

RADIATION EFFECTS

Radiation–induced hydroxylation of thymine promoted by electron–affinic compounds. Nishimoto S, et al. **Int J Radiat Biol** 1983 Dec;44(6):585–600
Effect of misonidazole on radiation–induced reduction of DNA bases in deaerated aqueous solution. Wada T, et al. **J Radiat Res (Tokyo)** 1984 Mar;25(1):99–110
Photoreaction of poly(amino acid)s containing thymine moieties as side groups. Suda Y, et al. **Nucleic Acids Symp Ser** 1983;(12):169–72
Production of thymine base damage in ultrasound–exposed EMT6 mouse mammary sarcoma cells. Dooley DA, et al. **Radiat Res** 1984 Jan;97(1):71–86

URINE

Elevated urine, blood and cerebrospinal fluid levels of uracil and thymine in a child with dihydrothymine dehydrogenase deficiency. Bakkeren JA, et al. **Clin Chim Acta** 1984 Jul 31;140(3):247–56

THYMINE DIMERS see **PYRIMIDINE DIMERS**

THYMINE NUCLEOTIDES

Carbon–13 NMR in conformational analysis of nucleic acid fragments. 3. The magnitude of torsional angle epsilon in d(TpA) from CCOP and HCOP NMR coupling constants. Lankhorst PP, et al. **Nucleic Acids Res** 1984 Jul 11; 12(13):5419–28
A new, convenient method for determining T residues in chemical DNA sequencing by using photoreaction with spermine. Sugiyama H, et al. **Nucleic Acids Symp Ser** 1983; (12):103–6
Formation of phosphodiesters in thymidine monophosphate by styrene oxide. Hemminki K, et al. **Toxicol Lett** 1984 Apr;21(1):59–63

BIOSYNTHESIS

Hydroxyurea inhibits also the syntheses of thymine nucleotides and methionine in the cells of Escherichia coli. Heinonen J, et al. **Biochem Int** 1983 Mar;6(3):403–8

Thymidine triphosphate synthesis in senescent WI38 cells. Relationship to loss of replicative capacity. Olashaw NE, et al. **Exp Cell Res** 1983 Dec;149(2):547–54

CHEMICAL SYNTHESIS

Synthesis of ppTppp via phosphotriester intermediates. Schattenkerk C, et al. **Nucleic Acids Res** 1983 Nov 11; 11(21):7545–54

METABOLISM

Differential substrate specificity of DNA polymerase beta and of a DNA polymerase induced by herpes simplex virus type 2 towards thymidine triphosphate analogues. Kowalzick L, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):467–75

Inhibition of growth and of thymidine incorporation into DNA in Tetrahymena by chlorpromazine, pimozide and penfluridol. Keegan FP, et al. **J Protozool** 1983 May; 30(2):397–402

N4–Methoxydeoxycytidine triphosphate is in the imino tautomeric form and substitutes for deoxythymidine triphosphate in primed poly d[A–T] synthesis with E. coli DNA polymerase I. Singer B, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4609–19

Enzymatic techniques for the isolation of random single–base substitutions in vitro at high frequency. Abarzúa P, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2030–4

PHARMACODYNAMICS

Enzyme inhibition by phosphonate analogues of dTTP. Barrie SE, et al. **Adv Exp Med Biol** 1984;165 Pt B:371–4

Comparison of the antiviral effects of 5–methoxymethyldeoxyuridine–5'–monophosphate with adenine arabinoside–5'–monophosphate. Ayisi NK, et al. **Antiviral Res** 1983 Sep;3(3):161–74

Chromosome breakage induced by thymidylate stress in thymidylate synthase–negative mutants of mouse FM3A cells. Hori T, et al. **Cancer Res** 1984 Feb;44(2):703–9

Alterations in the recognition of nucleoside analogues as substrates by the deoxythymidine kinase of a 5–methoxymethyldeoxyuridine–resistant mutant of herpes simplex virus type 1. Veerisetty V, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2767–70

[Fast complementarily addressed alkylation of the poly(A)—sequences of mRNA by oligothymidylate derivatives in Krebs ascitic carcinoma cells] Vlasov VV, et al. **Dokl Akad Nauk SSSR** 1984;274(4):965–8 **(Rus)**

[Location of RNA–dependent DNA polymerase within the endogenous template complex and discrimination of RNA– and DNA–dependent synthesis of DNA in Escherichia coli cells by alkylating dTTP gamma–amide] Grabkina OA, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):1019–27 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Production of thymine base damage in ultrasound–exposed EMT6 mouse mammary sarcoma cells. Dooley DA, et al. **Radiat Res** 1984 Jan;97(1):71–86

THYMOANALEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOL

ANALOGS & DERIVATIVES

A highly sensitive photometric method for proton release or uptake: difference protometry. Horie K, et al. **Anal Biochem** 1984 Feb;137(1):80–7

A single–visit treatment of septic root canals using periapically extruded endomethasone [letter] **Br Dent J** 1983 Dec 24;155(12):400–1

A single–visit treatment of septic root canals using periapically extruded endomethasone. Boggia R. **Br Dent J** 1983 Nov 5;155(9):300–5

Assessment of the pulpotomy technique in human first permanent mandibular molars. Use of two direct inspection criteria. Santini A. **Br Dent J** 1983 Sep 10;155(5):151–4

Anesthetic–protein interaction: suppression of dye binding and limitation of applicability of the Scatchard plot. Mashimo T, et al. **Physiol Chem Phys** 1982;14(6):543–51

[Influence of laser radiation on the binding of bromthymol blue by microsomes (letter)] Dreval' VI. **Biofizika** 1983 Jul–Aug;28(4):697–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Accumulation of thymol in halothane vaporizers. Rosenberg PH, et al. **Anaesthesia** 1984 Jun;39(6):581–3

DIAGNOSTIC USE

[Studies of the thymol test] Bakalova R, et al. **Vutr Boles** 1983;22(3):103–9 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Increased 45Ca–efflux from smooth muscle microsomes by a rise in an extramicrosomal Ca ion concentration, and the effect of thymol. Hisayama T, et al. **J Pharm Pharmacol** 1983 Aug;35(8):532–3

THYMOLEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOLPHTHALEIN see under **PHENOLPHTHALEINS**

THYMOMA

Thymoma: unusual case and review of the literature. Garfield GC. **J Med Soc NJ** 1983 Oct;80(10):826–8

ANALYSIS

Stabilization of glucocorticoid–receptor complexes in rat thymus cytosol by a factor from WEHI–7 cells. Holbrook NJ, et al. **J Steroid Biochem** 1984 Jan;20(1):245–50

COMPLICATIONS

Myasthenia gravis with thymoma: analysis of and postoperative prognosis for 65 patients with thymomatous myasthenia gravis. Monden Y, et al. **Ann Thorac Surg** 1984 Jul;38(1):46–52

Bullous pemphigoid, myasthenia gravis, and thymoma. James WD. **Arch Dermatol** 1984 Mar;120(3):397

RBC fragmentation and thymoma. Rauch AE, et al. **Arch Intern Med** 1984 Jun;144(6):1280–2

Association of subacute motor neuronopathy with thymoma. Stoll DB, et al. **Cancer** 1984 Aug 15;54(4):770–2

Acquired basophil and eosinophil deficiency in a patient with hypogammaglobulinaemia associated with thymoma. Mitchell EB, et al. **Clin Lab Haematol** 1983;5(3):253–7

Use of a dacron prosthesis for relief of superior vena cava obstruction in a child with thymoma. Esposito G, et al. **Ital J Surg Sci** 1983;13(3):239–43

Thymoma: unusual case and review of the literature. Garfield GC. **J Med Soc NJ** 1983 Oct;80(10):826–8

Psychosis associated with thymoma. Ananth J, et al. **J Nerv Ment Dis** 1984 Sep;172(9):556–8

Myasthenia gravis: difference between thymoma–associated antibodies and cross–striational skeletal muscle antibodies. Gilhus NE, et al. **Neurology (NY)** 1984 Feb;34(2):246–9

Steroid therapy in inappropriate secretion of antidiuretic hormone due to malignant thymoma. Almog C, et al. **Respiration** 1983;44(5):382–6

[An intrathoracic tumor and skin lesions (benign thymoma and pemphigus)] van Joost T, et al. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1095–7 (Eng. Abstr.) **(Dut)**

[Association of polymyositis, myasthenia, and thymoma. A case and review of the literature] Weiller PJ, et al. **Ann Med Interne (Paris)** 1984;135(4):299–304 (Eng. Abstr.) **(Fre)**

[Association of thymoma and Hashimoto's thyroiditis. Fortuitous association or immunologic disease? (letter)] Sebillotte P, et al. **Presse Med** 1984 Feb 11;13(5):284–5 **(Fre)**

[Coexistence of thymoma, myasthenia gravis, thyroid carcinoma and breast dysplasia: apropos of a case] De Giovanni L, et al. **Chir Patol Sper** 1982 Aug;30(4):143–6 (Eng. Abstr.) **(Ita)**

[Association of malignant thymoma, pemphigus and multiple cutaneous parasitic infections] Monti M, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):301–4 (Eng. Abstr.) **(Ita)**

[Thymoma associated with erythroblastopenia and hypogammaglobulinemia with an increase in the T8+ lymphocyte subpopulation (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Feb 25;82(7):334 **(Spa)**

[Pure red cell aplasia secondary to a thymoma: apropos of a case] Frau A, et al. **Med Clin (Barc)** 1983 Oct 1; 81(9):394–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Visualization of pericardial thymoma and evaluation of chemotherapy by two–dimensional echocardiography. Iliceto S, et al. **Am Heart J** 1984 Mar;107(3):605–6

The diagnosis of thymoma in myasthenia gravis. Aarli JA. **Ital J Neurol Sci** 1983 Dec;4(4):393–7

Thymoma in pregnancy. Argubright KF, et al. **Obstet Gynecol Surv** 1984 Apr;39(4):185–91

[Diagnosis and therapeutic aspects of epithelial thymomas] Alberti W, et al. **Strahlentherapie** 1984 Mar;160(3):144–53 (Eng. Abstr.) **(Ger)**

[Diagnosis of intrapericardial anomalies by bidimensional echocardiography] Iliceto S, et al. **Boll Soc Ital Cardiol** 1982;27(2):133–43 (Eng. Abstr.) **(Ita)**

[Thymomas (clinico–roentgenological characteristics)] Vasil'ev VN, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):28–32 (Eng. Abstr.) **(Rus)**

[Characteristics of thymomas and their prognosis] Pirogov AI, et al. **Sov Med** 1983;(12):99–102 **(Rus)**

[A case of atypical site of thymoma] Loviagin EV, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):80–1 **(Rus)**

DRUG THERAPY

Chemotherapy for malignant thymoma [letter] Chahinian AP, et al. **Ann Intern Med** 1983 Nov;99(5):736

High–dose adriamycin (ADM) and cis–platinum (DDP) in advanced soft–tissue sarcomas and invasive thymomas. A pilot study. Klippstein TH, et al. **Cancer Chemother Pharmacol** 1984;13(2):78–81

[Antibody–controlled cytostatic therapy of malignant thymoma with concomitant myasthenia gravis] Schumm F, et al. **Dtsch Med Wochenschr** 1984 Aug 17; 109(33):1244–6 (Eng. Abstr.) **(Ger)**

[Potentiation by blastolysin of the effect of cyclophosphamide in preventing recurrence in mouse T–cell leukemia] Chertkova AI, et al. **Biull Eksp Biol Med** 1984 Jul; 97(7):57–9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A molecular approach to leukemogenesis: mouse lymphomas contain an activated c–ras oncogene. Guerrero I, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):202–5

IMMUNOLOGY

Basophil and eosinophil deficiency in a patient with hypogammaglobulinemia associated with thymoma. Mitchell EB, et al. **Birth Defects** 1983;19(3):331

In vitro elicitation of cytotoxic response against a nonimmunogenic murine tumor by allosensitization. Leshem B, et al. **Cancer Immunol Immunother** 1984; 17(2):117–23

The phenotype of lymphocytes in a thymoma as studied with monoclonal antibodies. Woda BA, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):197–201

Encephalopathy, peripheral neuropathy, dysautonomia, myasthenia gravis, malignant thymoma, and antiacetylcholine receptor antibodies in the CSF. Bogousslavsky J, et al. **Eur Neurol** 1983;22(5):301–6

Apparent alteration in MHC antigens in K36.16, an AKR thymoma, does not result in genetic rearrangement. Lewis CM, et al. **Immunology** 1983 Nov;50(3):433–40

Altered transcription of genes coding for class I histocompatibility antigens in murine tumor cells. Baldacci P, et al. **J Exp Med** 1983 Oct 1;158(4):1294–306

Thymic epithelial antigen, acquired during ontogeny and defined by the anti–p19 monoclonal antibody, is lost in thymomas. Savino W, et al. **Lab Invest** 1984 Sep; 51(3):292–6

Biological and biochemical properties of lymphokines produced by the EL 4 thymoma cell line. Benjamin WR, et al. **Lymphokine Res** 1983;2(1):33–6

Antibody to acetylcholine receptor in myasthenia gravis: production by lymphocytes from thymus or thymoma. Fujii Y, et al. **Neurology (NY)** 1984 Sep;34(9):1182–6

IgG subclass distribution of myasthenia gravis thymoma–associated antiskeletal muscle antibodies. Smith CI, et al. **Neurology (NY)** 1984 Aug;34(8):1094–6

Monoclonal AKR/J thymic leukemias contain multiple JH immunoglobulin gene rearrangements. Herr W, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7433–6

H–2 class I heavy chain and B2–microglobulin are coordinately synthesized in studies of AKR thymomas. Alonzo AD, et al. **Transplant Proc** 1983 Dec;15(4):2021–3

The role of anti–tumor antibody in progressive tumor growth. Manson LA. **Transplar . Proc** 1984 Apr;16(2):524–7

[Biermer's anemia, Hashimoto's thyroiditis, myasthenia and malignant thymoma. HLA B8, DR3, and DR5 antigens (letter)] Humbert P, et al. **Presse Med** 1984 Feb 18;13(7):439 **(Fre)**

METABOLISM

DNA binding properties of glucocorticosteroid receptors bound to the steroid antagonist RU–486. Bourgeois S, et al. **EMBO J** 1984 Apr;3(4):751–5

Phenothiazines cause a shift in the cAMP dose–response: selection of resistant variants in a murine thymoma line. Gruol DJ, et al. **J Cell Physiol** 1984 Apr;119(1):107–18

The use of 5–azacytidine to establish constitutive interleukin 2–producing clones of the EL4 thymoma. Ballas ZK. **J Immunol** 1984 Jul;133(1):7–9

Uptake and nature of the intracellular binding of cyclosporin A in a murine thymoma cell line, BW5147. Merker MM, et al. **J Immunol** 1984 Jun;132(6):3064–70

Biochemical study on spontaneous thymoma rats with motor dysfunction. Kato F, et al. **J Pharmacobiodyn** 1983 Apr; 6(4):275–9

Nonactivated and activated glucocorticoid–receptor complexes in WEHI–7 and rat thymus cells. Holbrook NJ, et al. **J Steroid Biochem** 1984 Jan;20(1):19–22

MICROBIOLOGY

Strong selection for cells containing new ecotropic recombinant murine leukemia virus provirus after propagation of C57BL/6 radiation–induced thymoma cells in vitro or in vivo. Jolicoeur P, et al. **Mol Cell Biol** 1983 Sep;3(9):1675–9

Rearrangement of a DNA sequence homologous to a cell–virus junction fragment in several Moloney murine leukemia virus–induced rat thymomas. Lemay G, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):38–42

PATHOLOGY

Cytopathology of thymoma. Tao LC, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):165–70

Thymoma. Craig JB, et al. **Am Fam Physician** 1984 Mar; 29(3):229–34

Thymoma: an immunohistochemical study. Chan WC, et al. **Am J Clin Pathol** 1984 Aug;82(2):160–6

Immunohistochemical analysis of thymoma. Evidence for

medullary origin of epithelial cells. Chilosi M, et al. **Am J Surg Pathol** 1984 Apr;8(4):309–18

Ectopic hamartomatous thymoma. A distinctive benign lesion of lower neck. Rosai J, et al. **Am J Surg Pathol** 1984 Jul; 8(7):501–13

Thymoma: lymphoid and epithelial components mirror the phenotype of normal thymus. Mokhtar N, et al. **Hum Pathol** 1984 Apr;15(4):378–84

A tumor of the anterior mediastinum. Blom P, et al. **Pathol Res Pract** 1983 Aug;178(1):83–5

Detection by S-100 immunolabelling of interdigitating reticulum cells in human thymomas. Lauriola L, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):187–95

[Ovarian metastasis of a thymoma] Briese V, et al. **Zentralbl Gynakol** 1984;106(7):473–6 (Eng. Abstr.) **(Ger)**

[Thymoma of the thyroid gland—3 cases] Matsuzuka F, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:105–7 **(Jpn)**

[Malignant thymoma with multiple intracranial metastases. Case report] Maeda Y, et al. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):129–34 (Eng. Abstr.) **(Jpn)**

[Thymoma] Blom GP, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1516–9 (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Membrane permeability as a determinant of dexamethasone resistance in murine thymoma cells. Johnson DM, et al. **Cancer Res** 1984 Jun;44(6):2435–40

A new murine model system for the in vitro development of thymoma cell heterogeneity. MacLeod CL, et al. **Cancer Res** 1984 May;44(5):1784–90

Down-regulation of glucocorticoid receptors in mouse lymphoma cell variants. Danielsen M, et al. **Mol Cell Biol** 1984 Mar;4(3):449–53

RADIOGRAPHY

Computed tomography on invasive thymoma. Smith SH, et al. **Comput Radiol** 1983 May-Jun;7(3):189–92

Thymic cyst: computed tomography and ultrasound correlation. Dunne MG, et al. **J Comput Tomogr** 1983 Nov; 7(4):351–5

[Standard radiological examination of myasthenic patients. Reflections apropos of 200 cases] Blery M, et al. **Ann Radiol (Paris)** 1983 Jun-Jul;26(5):353–7 (Eng. Abstr.) **(Fre)**

[Role of radiotherapy in the management of thymoma] Miyata S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25;43(8):1044–52 **(Jpn)**

[Thymoma] Tada S. **Rinsho Hoshasen** 1984 Jan;29(1):171–2 **(Jpn)**

[Clinical significance of pneumomediastinography in thymic surgery] Kitano M, et al. **Rinsho Kyobu Geka** 1983 Jul; 3(4):458–63 (Eng. Abstr.) **(Jpn)**

[Value of radiological examination for obtaining reliable diagnosis of mediastinal tumors of thymic origin] Szymanowicz B. **Pol Przegl Radiol (Warszawa)** 1983 Jul-Aug;47(4):289–93 (Eng. Abstr.) **(Pol)**

[Case of a benign thymoma in a nursing infant] Shchiglik GM, et al. **Vestn Rentgenol Radiol** 1983 May-Jun;(3):86–7 **(Rus)**

RADIOTHERAPY

Management of patients with malignant thymoma. Cohen DJ, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):301–7

Tumor immunotherapy in the mouse with the use of 131I-labeled monoclonal antibodies. Zalcberg JR, et al. **JNCI** 1984 Mar;72(3):697–704

SECONDARY

Malignant thymoma with distant metastases: a case report and review of the literature. Ichino Y, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):733–9

SURGERY

Exacerbation of myasthenia gravis after removal of a thymoma having a membrane phenotype of suppressor T cells. Kuroda Y, et al. **Ann Neurol** 1984 Apr;15(4):400–2

Results of surgical treatment for thymoma. Shamji F, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):43–7

Malignant thymoma associated with liposarcoma of the mediastinum—a case report. Okumori M, et al. **Jpn J Surg** 1983 Nov;13(6):512–8

[Surgical treatment of thymoma] Fujimura S, et al. **Kyobu Geka** 1983 Aug;36(8):619–24 (Eng. Abstr.) **(Jpn)**

[A case of solitary thymoma of the left pulmonary hilus] Sai S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):268–71 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of thymoma] Hashimoto M, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):418–23 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of malignant thymomas associated with myasthenia gravis] Kurata N, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):616–22 (Eng. Abstr.) **(Jpn)**

[Myasthenia gravis developed after extirpation of thymoma] Obata S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):729–33 (Eng. Abstr.) **(Jpn)**

[2 cases of malignant thymoma requiring reconstruction of the superior vena cava] Sakurai T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):431–6 (Eng. Abstr.) **(Jpn)**

[Results of surgical treatment of thymoma—including those of vascular reconstruction] Shimizu N, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):424–9 (Eng. Abstr.) **(Jpn)**

[Results in surgical treatment of thymoma] Tsubota N, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):412–7 (Eng. Abstr.) **(Jpn)**

[Residual thymus after surgical treatment of myasthenia] Vasil'ev VN, et al. **Sov Med** 1983;(10):32–6 (Eng. Abstr.) **(Rus)**

THERAPY

[Therapeutic results in thymoma—with special reference to adjuvant therapy in the treatment of invasive thymoma] Watanabe Y, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):405–11 (Eng. Abstr.) **(Jpn)**

VETERINARY

Clinical and pathologic features of thymoma in 15 dogs. Aronsohn MG, et al. **J Am Vet Med Assoc** 1984 Jun 1; 184(11):1355–62

Malignant thymoma in a cat. Hauser B, et al. **J Comp Pathol** 1984 Apr;94(2):311–3

Clear cell thymoma in a dog. Mettler F, et al. **J Comp Pathol** 1984 Apr;94(2):315–7

THYMOPOIETINS see under **THYMUS HORMONES**

THYMOSIN

ANALOGS & DERIVATIVES

Changes in purine salvage pathway enzyme activities during human lymphocyte differentiation induced by thymosin fraction 5. Cowan MJ, et al. **Adv Exp Med Biol** 1984;165 Pt B:93–8

Protective activity of thymosin alpha 1 against tumor progression in immunosuppressed mice. Ishitsuka H, et al. **Adv Exp Med Biol** 1983;166:89–100

Antibody to human T-cell leukemia virus membrane antigens, beta 2-microglobulin levels, and thymosin alpha 1 levels in hemophiliacs and their spouses. Kreiss JK, et al. **Ann Intern Med** 1984 Feb;100(2):178–82

Thymosin beta 10, a new analog of thymosin beta 4 in mammalian tissues. Erickson-Viitanen S, et al. **Arch Biochem Biophys** 1983 Sep;225(2):407–13

Thymosin beta arg10, a major variant of thymosin beta 10 in rabbit tissues. Ruggieri S, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):388–92

Thymosin fraction 5 does not accelerate reconstitution of immunologic reactivity after human marrow grafting. Witherspoon RP, et al. **Br J Haematol** 1983 Dec; 55(4):595–608

The thymosins—preclinical and clinical studies with fraction V and alpha-1. Smalley RV, et al. **Cancer Treat Rev** 1984 Mar;11(1):69–84

Synthesis of six common amino acid sequence fragments of thymosins beta 4, beta 8 and beta 9 and determination of their effects on the low E-rosette forming cells of lupus nephritis patients. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):228–36

Synthesis of the nonatriacontapeptide corresponding to the entire amino acid sequence of calf thymosin beta 8 and its effect on the impaired T-cell subsets in patients with lupus nephritis. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1320–9

Effect of thymosin on glucocorticoid receptor activity and glucocorticoid sensitivity of human thymocytes. Ma DD, et al. **Clin Exp Immunol** 1984 Feb;55(2):273–80

Immunochemical studies on thymosin: radioimmunoassay of thymosin beta 4. Naylor PH, et al. **Immunopharmacology** 1984 Feb;7(1):9–16

The effect of experimental conditions on the assessment of T cell immunomodulation by biological response modifiers (thymosin fraction five). Talmadge JE, et al. **Immunopharmacology** 1984 Feb;7(1):17–26

Effects of synthetic thymosin beta 9 fragments on low E-rosette-forming cells of lupus nephritis patients. Abiko T, et al. **J Appl Biochem** 1983 Dec;5(6):446–52

In vivo immune restoration in advanced cancer patients after administration of thymosin fraction 5 or thymosin alpha 1. Dillman RO, et al. **J Biol Response Mod** 1983;2(2):139–49

Phase II trial of thymosin fraction 5 in advanced renal cancer. Schulof RS, et al. **J Biol Response Mod** 1984;3(2):151–9

Restorative effects of thymosin polypeptides on purified protein derivative—dependent migration inhibition factor production by the peripheral blood lymphocytes of adult thymectomized guinea pigs. Thurman GB, et al. **J Biol Response Mod** 1984;3(2):160–73

Isolation of thymosin alpha 1 from thymosin fraction 5 of different species by high-performance liquid chromatography. Low TL, et al. **J Chromatogr** 1983 Aug 26;266:533–44

Estrogen and thymic hormone interactions in the female mouse. Allen LS, et al. **J Reprod Immunol** 1984 Jan; 6(1):25–37

Monoclonal antibodies to thymosin alpha 1. Stähli C, et al. **Mol Immunol** 1983 Oct;20(10):1095–7

Thymosin alpha 1-like peptides: localization and biochemical characterization in the rat brain and pituitary gland. Palaszynski EW, et al. **Peptides (Fayetteville)** 1983 Jul-Aug; 4(4):463–7

Thymosin alpha 11: a peptide related to thymosin alpha 1 isolated from calf thymosin fraction 5. Caldarella J, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7424–7

Prothymosin alpha: isolation and properties of the major immunoreactive form of thymosin alpha 1 in rat thymus. Haritos AA, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(4):1008–11

Distribution of prothymosin alpha in rat tissues. Haritos AA, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1391–3

Cloning and sequence analysis of cDNA for rat spleen thymosin beta 4. Wodnar-Filipowicz A, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2295–7

Thymosins: structure, function and therapeutic applications. Low TL, et al. **Thymus** 1984;6(1-2):27–42 (72 ref.)

[Thymosin-testosterone interaction in spontaneous rosette formation in the baboon monkey (Papio papio)] Binder P, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):215–20 (Eng. Abstr.) **(Fre)**

[Effects of thymosin alpha 1 on some time-dependent functions in thymectomized mice] Baldassarre AM, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):147–51 (Eng. Abstr.) **(Ita)**

[Release of prostaglandins by spleen cells in the mouse after incubation with thymosin] Mastino A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1670–3 (Eng. Abstr.) **(Ita)**

[Relation between thymosin fraction 5, prostaglandin release and Thy-1 antigen appearance in mice lymphocytes] Mastino A, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30; 59(11):1661–4 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Influence of thymic hormones on mitogen-induced interferon production in lymphocytes. I. Augmentation of mitogen-induced immune interferon production by thymosin. Rentz E, et al. **Arch Geschwulstforsch** 1983; 53(6):547–50

Immunomodulation of murine B16 melanoma metastasis: thymosin, thymectomy and irradiation. Naylor PH, et al. **Thymus** 1983 Sep;5(5-6):355–61

ISOLATION & PURIFICATION

Isolation and identification of thymosin alpha 1 from calf spleen using high performance liquid chromatography. Danho W, et al. **Int J Pept Protein Res** 1984 Jun; 23(6):630–6

Dialyzable leukocyte extracts contain thymosin. Wilson GB, et al. **Thymus** 1984;6(3):167–80

PHARMACODYNAMICS

Diminished synthesis of immunoglobulins by lymphocytes of patients treated with thymosin (TFX) and cyclophosphamide. Gorski A, et al. **Adv Exp Med Biol** 1983;166:79–88

Resistance and susceptibility to infection in inbred murine strains. III. Effect of thymosin on cellular immune responses of alloxan diabetic mice. Salvin SB, et al. **Clin Exp Immunol** 1984 Jan;55(1):133–9

Immunoregulatory factors controlling terminal differentiation of malignant B-lymphocytes. Górski A, et al. **Immunol Lett** 1983 Jun;6(6):311–5

Effect of thymosin and phorbol ester on purine metabolic enzymes and cell surface phenotype in a malignant T-cell line (MOLT-3). Ho AD, et al. **Leuk Res** 1983;7(6):779–86

Thymosin increases production of T-cell growth factor by normal human peripheral blood lymphocytes. Zatz MM, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2882–5

Thymosin induces helper function in OKT3-positive, E-rosette-negative human cord blood T cells. Tan PL, et al. **Scand J Immunol** 1984 Jul;20(1):27–34

The thymus-adrenal connection: thymosin has corticotropin-releasing activity in primates. Healy DL, et al. **Science** 1983 Dec 23;222(4630):1353–5

Thymosin (TFX) and suppressor cells of immunoglobulin (Ig) production in man. Korczak-Kowalska G, et al. **Thymus** 1983 Sep;5(5-6):447–8

[Effect of the thymus and the thymic extract thymosin on the copper content in the serum of guinea pigs under cholesterol loading] Aleksiev A, et al. **Eksp Med Morfol** 1983;22(1):20–4 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

The thymus-brain connection: interactions between thymosin and the neuroendocrine system. Hall NR, et al. **Lymphokine Res** 1983;2(1):1–6

THERAPEUTIC USE

A therapeutic trial of gangliosides and thymosin in the Wobbler mouse model of motor neuron disease. Lange DJ, et al. **J Neurol Sci** 1983 Oct;61(2):211–6

Evaluation of T cell subpopulation and function in thymosin treated spontaneously hypertensive rats. Ventola DA, et al. **Thymus** 1984;6(3):129–41

THYMOXAMINE

ANALOGS & DERIVATIVES

Alpha 1- and alpha 2-adrenoceptor selectivity of moxisylyte (thymoxamine) and its metabolites in the pithed rat.

Roquebert J, et al. **Arch Int Pharmacodyn Ther** 1983 Dec; 266(2):282–93

DIAGNOSTIC USE

[Thymoxamine and angle-closure glaucoma] Etienne R. **J Fr Ophtalmol** 1983;6(12):971–4 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Alpha 1- and alpha 2-adrenoceptor selectivity of moxisylyte (thymoxamine) and its metabolites in the pithed rat. Roquebert J, et al. **Arch Int Pharmacodyn Ther** 1983 Dec; 266(2):282–93

Effects of pilocarpine, timolol, epifrin and thymoxamine on iris vessels in rhesus monkeys. Virdi PS, et al. **Int Ophthalmol** 1984 Jan;7(1):3–10

Relation between the antihistaminic effect and the alpha-adrenolytic one of thymoxamine. Lograno MD. **Pharmacol Res Commun** 1983 Jul;15(7):675–81

[The alpha-adrenergic effect of thymoxamine on the vessels of the ciliary body] Virno M, et al. **Klin Monatsbl Augenheilkd** 1983 Oct;183(4):270–2 (Eng. Abstr.) (Ger)

[Changes in hemorrheology induced by the alpha-lytic drug thymoxamine] Albanese B. **Ric Clin Lab** 1983;13 Suppl 3:469–73 (Eng. Abstr.) (Ita)

THERAPEUTIC USE

[Therapeutic effects of an alpha-blocker in chronic organic and functional arteriopathy of the limbs] Vittori C, et al. **Clin Ter** 1982 Jan 31;100(2):135–52 (Eng. Abstr.) (Ita)

THYMOXYALCYLAMINE see **THYMOXAMINE**

THYMUS-DEPENDENT LYMPHOCYTES see **T LYMPHOCYTES**

THYMUS EXTRACTS

ADMINISTRATION & DOSAGE

[Preoperative hemosorption and immunocorrection in mechanical jaundice patients] Molodenkov MN, et al. **Sov Med** 1984;(5):13–6 (Eng. Abstr.) (Rus)

[Efficacy of thymostimulin in experimental combined therapy of malignant gliomas] Romdanov SA, et al. **Zh Vopr Neirokhir** 1984 Jan-Feb;(1):20–4 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of thymostimulin on human lymphocyte adenosine deaminase and purine nucleoside phosphorylase activities: physiological and therapeutic effects. Ambrogi F, et al. **Adv Exp Med Biol** 1983;166:101–4

Intralymphocytic adenosine deaminase (ADA) and purine nucleoside phosphorylase (PNPase) activity in chronic lymphocytic leukemia (CLL): effect of thymostimulin. Petrini M, et al. **Adv Exp Med Biol** 1984;165 Pt B:327–32

The effect of TFX (Polfa) on mouse fibroblasts and macrophages in carcinogenicity assays. Duś D, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):731–7

Enhancement of natural killer cell activity in mice by treatment with a thymic factor. Bistoni F, et al. **Cancer Immunol Immunother** 1984;17(1):51–5

Research into the stimulating action of a thymic polypeptidic fraction on the number of leukocytes in the rat peripheral blood. Boeru V, et al. **Endocrinologie** 1983 Jul-Sep; 21(3):175–9

Influence of the thymic extract (TP2) on some humoral and cell mediated immunity reactions in normal or irradiated animals. Boeru V, et al. **Endocrinologie** 1983 Oct-Dec; 21(4):233–41

Thymic hormonal activity on human peripheral blood lymphocytes, in vitro. IV. Proliferative response to allogeneic tumor cells in healthy adults and cancer patients. Shoham J, et al. **Int J Immunopharmacol** 1983;5(6):515–22

Thymic hormonal activity on human peripheral blood lymphocytes, in vitro. V. Effect on induction of lymphocytotoxicity. Shoham J, et al. **Int J Immunopharmacol** 1983;5(6):523–32

The in vivo effect of thymic factor (thymostimulin) administration on circulating immune complexes and serum lysozyme levels in untreated Hodgkin's disease patients. Velardi A, et al. **J Clin Oncol** 1983 Feb;1(2):117–25

Antiviral activity of a thymic factor in experimental viral infections. I. Thymic hormonal effect on survival, interferon production and NK cell activity in Mengo virus-infected mice. Klein AS, et al. **J Immunol** 1984 Jun; 132(6):3159–63

Morphological behaviour of lympho-myeloid organs at experimental stimulation with leukotrophine. Căluşer I, et al. **Morphol Embryol (Bucur)** 1983 Jul-Sep;29(3):203–5

The lymphocyte activity of adenosine deaminase and enzymes of AMP metabolism in mammary carcinogenesis: the effect of thymostimulin. Grinevich YuA, et al. **Neoplasma** 1984;31(1):21–9

Anti-thyroid activity of purified thymus gland extract in male Wistar rats. Jaeger KH, et al. **Pharmacol Res Commun** 1984 Jun;16(6):559–77

The in vivo effect of thymic factor (thymostimulin) administration in Hodgkin's disease patients. Correlation of skin reactivity and leukocyte migration-inhibition factor in the sera of anergic subjects. Velardi A, et al. **Thymus** 1983 Sep;5(5–6):429–32

[Effect of 3 different thymus extracts on T lymphocytes from patients with lymphoma and solid tumors in the advanced phase] Ogic C, et al. **Riv Emoter Immunoematol** 1983; 30(1):56–61 (Eng. Abstr.) (Ita)

[Effect of T-activin on the production of immune interferon] Chuchalin AG, et al. **Biull Eksp Biol Med** 1984 Jul; 97(7):76–8 (Eng. Abstr.) (Rus)

[Effect of long-term administration of T-activin on the structure of the thymus] Koval'skaia NI, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):101–2 (Eng. Abstr.) (Rus)

[Effect of T-activin on peripheral immunity organs in intact and thymectomized mice] Stetsenko ON, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):321–4 (Eng. Abstr.) (Rus)

SECRETION

Identification of thymostimulin secreting cells in calf thymus by immunoperoxidase method. Aita M, et al. **Histochemistry** 1984;80(3):207–11

THERAPEUTIC USE

The test of non-specific cell-mediated response in animals with transplantable tumours stimulated with calf thymus extract. Jaszcz W, et al. **Acta Physiol Pol** 1983 Jan-Feb; 34(1):67–75

Thymostimulin in pneumology [letter] Daddi C, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):376

A placebo-controlled trial of thymic hormone treatment of recurrent herpes simplex labialis infection in immunodeficient host: results after a 1-year follow-up. Aiuti F, et al. **Clin Immunol Immunopathol** 1984 Jan; 30(1):11–8

Research on the in vivo antitumoral action of thymosterin B in C57 black/6 mice implanted with melanoma B16 tumor. Potop I, et al. **Endocrinologie** 1984 Apr-Jun; 22(2):97–101

Controlled trial of a thymic hormone extract (Thymostimulin) in 'autoimmune' chronic active hepatitis. Hegarty JE, et al. **Gut** 1984 Mar;25(3):279–83

Thymostimulin in malignant pleural effusions. Rimoldi R, et al. **Int J Tissue React** 1984;6(1):53–5

Preliminary clinical experiences with the use of immunomodulators in burns. Donati L, et al. **J Trauma** 1983 Sep;23(9):816–31

[Treatment of chronic active HBsAg-positive hepatitis with thymostimulin] Nardiello S, et al. **G Ital Chemioter** 1984 Jan-Aug;31(1-2):181–4 (Eng. Abstr.) (Ita)

[Chronic candidiasis: treatment with bovine thymic extract. Case report] Trevisan G, et al. **G Ital Dermatol Venereol** 1982 May-Jun;117(3):161–4 (Eng. Abstr.) (Ita)

[Clinical and laboratory study in patients with chronic arthropathies and related diseases after treatment with thymostimulin] Mignone F, et al. **Minerva Pediatr** 1984 Apr 15;36(7):337–42 (Eng. Abstr.) (Ita)

[Theoretical and practical aspects of the clinical use of immunotherapy substituting for thymus functions in man] Dąbrowski MP, et al. **Pol Tyg Lek** 1983 Mar 28; 38(13):385–7 (Pol)

[Therapeutic effectiveness of the immuno stimulating extract of the calf thymus (TFX-Polfa) in cases of acute dermatomyositis] Stasiak A, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):389–92 (Eng. Abstr.) (Pol)

[Experience in using T-activin in multiple sclerosis patients] Gusev EI, et al. **Zh Nevropatol Psikhiatr** 1984;84(2):168–74 (Eng. Abstr.) (Rus)

THYMUS GLAND

see related

BURSA OF FABRICIUS

Mediastinal Hodgkin's disease and thymic cysts. Murray JA, et al. **Acta Haematol (Basel)** 1984;71(4):282–4

Malignant transformation in a thymic cyst. Leong AS, et al. **Am J Surg Pathol** 1984 Jun;8(6):471–5

Hodgkin's disease and a mediastinal tumor. Prindull G, et al. **Eur J Pediatr** 1983 Dec;141(2):117–9

Congenital thymic cysts in the neck. Jensen JH, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):95–100

Ectopic thymus: presenting as neck mass. Lau HT, et al. **J Pediatr Surg** 1984 Apr;19(2):197

Cystic lesion of the thymus. An occasionally malignant cervical and/or anterior mediastinal mass. Graeber GM, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):295–300

Thymic cyst in an unusual site. Ceuppens H. **Neth J Surg** 1984 Feb;36(1):17–9

[Congenital cyst of the thymus gland] Mituś J, et al. **Pneumonol Pol** 1984 Apr;52(4):201–4 (Eng. Abstr.) (Pol)

[Cyst of the thymus gland] Vasil'ev VN. **Grudn Khir** 1984 Mar-Apr;(2):86–7 (Rus)

[Neuroendocrine regulation of the hypothalamo-hypophyseal-adrenal system and the possibilities of correcting its disorders in thymomegaly in children] Kurbanov TG, et al. **Pediatriia** 1984 Feb;(2):13–6 (Eng. Abstr.) (Rus)

[Nitroblue tetrazolium reduction in peripheral blood neutrophils and monocytes of children with thymomegaly] Kuz'menko LG, et al. **Pediatriia** 1984 Feb;(2):11–3 (Eng. Abstr.) (Rus)

[Endocrine function of the thymus in young children with thymomegaly] Tiazhkaia AV, et al. **Pediatriia** 1983 Sep; (9):24–6 (Eng. Abstr.) (Rus)

[Thymic cyst mimicking localized pneumomediastinum] Aznar Aznar A, et al. **An Esp Pediatr** 1983 Jul;19(1):70–3 (Spa)

ABNORMALITIES

Delayed marrow aplasia following treatment for thymic hypoplasia: correction by marrow transplant without immunosuppression. Hayward AR, et al. **Birth Defects** 1983;19(3):277–9

Posterior mediastinal accessory thymus. Bar-Ziv J, et al. **Pediatr Radiol** 1984;14(3):165–7

[Cervical thymic ectopia. Apropos of a case] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 1984 Jan;33(1):29–34 (Fre)

[Case of a persistent thymus in Graves' disease] Salacińska D, et al. **Wiad Lek** 1983 Jun 1;36(11):925–6 (Eng. Abstr.) (Pol)

ANALYSIS

Silver staining of histones in Triton-acid-urea gels. Mold DE, et al. **Anal Biochem** 1983 Nov;135(1):44–7

Thymosin beta 10, a new analog of thymosin beta 4 in mammalian tissues. Erickson-Viitanen S, et al. **Arch Biochem Biophys** 1983 Sep;225(2):407–13

Organotin implications in anticarcinogenesis. Background and thymus involvement. Cardarelli NF, et al. **Anat J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):199–208

Purification to apparent homogeneity of a thymocyte specific growth factor from calf thymus. Söder O, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):420–6

Partial characterization of the oligosaccharides of mouse thymocyte Thy-1 glycoprotein. Carlsson SR, et al. **Biochem J** 1984 Jul 15;221(2):379–92

Immunocytochemical study of alpha-fetoprotein in the central nervous system and thymus of pig embryos. Kovářu F, et al. **Histochem J** 1984 Apr;16(4):456–8

Androgen receptor in the human thymus. McCruden AB, et al. **Immunol Lett** 1984;8(1):49–53

Isolation of thymosin alpha 1 from thymosin fraction 5 of different species by high-performance liquid chromatography. Low TL, et al. **J Chromatogr** 1983 Aug 26;266:533–44

Circadian rhythm of bone marrow and thymus lipids in rats. Ahlers I, et al. **Physiol Bohemoslov** 1983;32(5):476–80

Prothymosin alpha: isolation and properties of the major immunoreactive form of thymosin alpha 1 in rat thymus. Haritos AA, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(4):1008–11

Distribution of prothymosin alpha in rat tissues. Haritos AA, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1391–3

[Contractile proteins in the fractions of soluble and insoluble chromatin of liver and thymus] Priiatkina TN, et al. **Biokhimiia** 1983 Nov;48(11):1763–73 (Eng. Abstr.) (Rus)

[Native and trypsin-treated histone oligomers--tetramer (H3-H4)2 and dimer H2a-h2b] Protas AF, et al. **Biokhimiia** 1984 May;49(5):749–53 (Eng. Abstr.) (Rus)

[Optical and hydrodynamic properties of DNA complexes with histones H1 from the calf thymus and sea urchin sperm] Sibileva MA, et al. **Mol Biol (Mosk)** 1984 Mar-Apr; 18(2):488–96 (Eng. Abstr.) (Rus)

ANATOMY & HISTOLOGY

NFS/N-nu/ + mice can macroscopically be distinguished from NFS/N- +/+ littermates by their thymic size and shape. Kojima A, et al. **Exp Cell Biol** 1984;52(1-2):107–10

Genetic control of thymus size in inbred mice. Peleg L, et al. **J Hered** 1984 Mar-Apr;75(2):126–30

[Changes in the structural components of the thymus gland with different degrees of adaptation of the body to physical loads] Tkachuk MG. **Arkh Anat Gistol Embriol** 1984 May; 86(5):80–4 (Eng. Abstr.) (Rus)

[Features of the surgical anatomy of the thymus gland in myasthenia patients] Vasil'ev VN. **Vestn Khir** 1984 Apr; 132(4):29–33 (Eng. Abstr.) (Rus)

BLOOD SUPPLY

[Vascularization of the thymus in the duck] Scala G, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):701–6 (Eng. Abstr.) (Ita)

CYTOLOGY

Contribution of thymus lymphocytes to the peripheral lymphoid tissues and the effect of antigen on the rate of cell exit from the thymus. Scollay R, et al. **Am J Anat** 1984 Jul;170(3):331–8

Immunohistology of lymphoid and non-lymphoid cells in the thymus in relation to T lymphocyte differentiation. Van Ewijk W. **Am J Anat** 1984 Jul;170(3):311–30

Relationship between thymic IDC in situ and dendritic cells in vitro. van den Berg M, et al. **Cell Biol Int Rep** 1984 Mar;8(3):189

Migration of peripheral T and B cells into the thymus of aging (NZB X SJL)F1 female mice. Dumont FJ, et al. **Cell Immunol** 1984 Feb;83(2):292–301

Frequency of influenza-responsive cytolytic T-lymphocyte precursors in the thymus and spleen of unprimed mice.

Owen JA, et al. **Cell Immunol** 1984 Apr 1;84(2):403–8
Enhanced natural killer (NK) cell activity and NK–sensitive thymic cells in murine muscular dystrophy. Semple JW, et al. **Cell Immunol** 1983 Dec;82(2):316–25
Immunohistology of thymic nurse cells. van Vliet E, et al. **Cell Immunol** 1984 Aug;87(1):101–9
Distribution of peanut agglutinin binding sites in rat lymphatic organs. Kabir A, et al. **Cell Struct Funct** 1983 Mar;8(1):29–34
In vitro cultivation of nonlymphoid thymic cells: morphological and immunological characterization. Jason JM, et al. **Clin Immunol Immunopathol** 1984 Feb; 30(2):214–26
Characterization of human thymic epithelial cells grown in serum–free medium. Rimm IJ, et al. **Clin Immunol Immunopathol** 1984 Apr;31(1):56–64
T–cell maturation in the human thymus and tonsil: peanut agglutinin binding T lymphocytes in thymus and tonsil differ in maturation stage. Schuurman HJ, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):271–81
Monoclonal antibodies to stromal cell types of the mouse thymus. Van Vliet E, et al. **Eur J Immunol** 1984 Jun; 14(6):524–9
Studies on thymocyte subpopulations in guinea pigs. III. Physical and functional characterization of six subpopulations separated by density gradient centrifugation and PNA binding. Sandberg G, et al. **Exp Cell Biol** 1983; 51(5):257–66
Identification of thymostimulin secreting cells in calf thymus by immunoperoxidase method. Aita M, et al. **Histochemistry** 1984;80(3):207–11
Thymoma: lymphoid and epithelial components mirror the phenotype of normal thymus. Mokhtar N, et al. **Hum Pathol** 1984 Apr;15(4):378–84
The relationship between mouse thymocyte receptors for syngeneic and allogeneic erythrocytes and receptors for IgG. Bezversbenko IA, et al. **Immunol Lett** 1984; 7(5):239–42
Thymic epithelial cells derived from the cultures of thymic nurse cells. Vakharia DD, et al. **Immunol Lett** 1984; 7(5):261–6
Role of adrenal hormones and prostaglandins in the control of mouse thymocytes lysis. Durant S, et al. **Int J Immunopharmacol** 1984;6(3):223–32
The T8 antigen is a multimeric complex of two distinct subunits on human thymocytes but consists of homomultimeric forms on peripheral blood T lymphocytes. Snow PM, et al. **J Biol Chem** 1983 Dec 10;258(23):14675–81
An improved method for freeze–fracture radioautography of tissues and cells, as applied to duodenal epithelium and thymic lymphocytes. Kan FW, et al. **J Histochem Cytochem** 1984 Jan;32(1):17–29
Thymic hormone–containing cells. V. Immunohistological detection of metallothionein within the cells bearing thymulin (a zinc–containing hormone) in human and mouse thymuses. Savino W, et al. **J Histochem Cytochem** 1984 Sep;32(9):942–6
High–level secretion of interleukin 2 by a subset of proliferating thymic lymphoblasts. Caplan B, et al. **J Immunol** 1984 Oct;133(4):1983–91
Ontogeny of B lymphocyte function. XV. A role for thymus cells in the maturation of the capacity of a subpopulation of B cells to re–express surface immunoglobulin after treatment with anti–immunoglobulin. Chen YW, et al. **J Immunol** 1984 Sep;133(3):1209–14
Novel human cell surface protein expressed during intrathymic T cell maturation [letter] Fabre J. **J Immunol** 1984 Feb;132(2):1056–7
The immunocompetence of murine stromal cell–associated thymocytes. Fink PJ, et al. **J Immunol** 1984 May; 132(5):2266–72
Differentiation of thymocytes in fetal organ culture: analysis of phenotypic changes accompanying the appearance of cytolytic and interleukin 2–producing cells. Kisielow P, et al. **J Immunol** 1984 Sep;133(3):1117–23
Intrathymic lymphopoiesis: stromal cell–associated proliferation of T cells is independent of lymphocyte genotype. Kyewski BA, et al. **J Immunol** 1984 Sep; 133(3):1111–6
The human thymic microenvironment: cortical thymic epithelium is an antigenically distinct region of the thymic microenvironment. McFarland EJ, et al. **J Immunol** 1984 Sep;133(3):1241–9
Avian thymic accessory cells. Oliver PD, et al. **J Immunol** 1984 Apr;132(4):1748–55
The functional capabilities of cells leaving the thymus. Scollay R, et al. **J Immunol** 1984 Jan;132(1):25–30
Thymus cell migration: analysis of thymus emigrants with markers that distinguish medullary thymocytes from peripheral T cells. Scollay R, et al. **J Immunol** 1984 Mar; 132(3):1089–94
The long–lived medullary thymocyte re–visited: precise quantitation of a very small subset. Scollay R. **J Immunol** 1984 Mar;132(3):1085–8
Evidence for the presence of immunoreactive acetylcholine receptors on human thymus cells. Raimond F, et al. **J Neuroimmunol** 1984 Feb;6(1):31–40
Bursal and thymic reticular epithelial cells in the chicken: induction of B– and T–lymphocyte differentiation by in vitro monolayer cultures. Boyd RL, et al. **J Reticuloendothel Soc** 1983 Nov;34(5):383–93
Bursal and thymic reticular epithelial cells in the chicken: preparation of in vitro monolayer cultures. Boyd RL, et al. **J Reticuloendothel Soc** 1983 Nov;34(5):371–82
Growth of a cultured leukemia subline was promoted by conditioned medium of thymic reticuloepithelial–like cells (B6TE). Miyazawa T, et al. **Leuk Res** 1983;7(5):637–46
Cytolytic effects of dexamethasone and of agents stimulating cyclic AMP content in isolated mouse thymocytes. Durant S, et al. **Mol Cell Endocrinol** 1983 Aug;31(2–3):215–25
Lymphocyte differentiation and its microenvironment in the human thymus during aging. Steinmann GG, et al. **Monogr Dev Biol** 1984;17:142–55
The heterogeneity and functional capacities of human thymocyte subpopulations. Gelin C, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4912–6
Equal distribution of T–lymphocyte subpopulations in thymus and spleen cells of NZB and BALB/c mice. Müller–Quernheim J, et al. **Rheumatol Int** 1984;4(1):31–4
Lymphocyte maturation in the human thymus. Relevance of purine nucleotide metabolism for intrathymic T cell function. Schuurman HJ, et al. **Scand J Immunol** 1983 Dec; 18(6):539–49
Immunohistochemical localization of host and donor–derived cells in the regenerating thymus of radiation bone marrow chimeras. Ceredig R, et al. **Thymus** 1984;6(1–2):15–26
The effect of dietary restriction on thymus autonomy. Franklin A, et al. **Thymus** 1983 Sep;5(5–6):345–54
Identification of thymocyte progenitors in hemopoietic tissues of the rat. I. A quantitative assay system for thymocyte regeneration. Greiner DL, et al. **Thymus** 1984; 6(3):181–99
Characterization of thymocyte subpopulations by enzymatic markers. Livne PM, et al. **Thymus** 1983 Sep;5(5–6):393–7
The function of thymic reticuloepithelial cells in New Zealand mice. Minoda M, et al. **Thymus** 1983 Sep; 5(5–6):363–74
Actin activity is high in the immunocompetent fraction of thymocytes. Miyasaka M, et al. **Thymus** 1984;6(1–2):57–65
The intrathymic microenvironment: expression of lectin receptors and lectin–like molecules of differentiation antigens and MHC gene products. Raedler A, et al. **Thymus** 1983 Sep;5(5–6):311–26
Thymocyte subpopulations: an experimental review, including flow cytometric cross–correlations between the major murine thymocyte markers. Scollay R, et al. **Thymus** 1983 Sep;5(5–6):245–95 (116 ref.)
Asymmetric (differential) cell division of thymic lymphocytes by means of cytoplasmic polarization: possible biological meanings. Sugimoto M, et al. **Thymus** 1983 Sep; 5(5–6):297–310
Monoclonal anti thymic cell antibodies detecting epidermal cells. Yonish–Rouach E, et al. **Thymus** 1984;6(1–2):67–78
The effects of continuous wave and pulsed ultrasound on rat thymocytes in vitro. Dooley DA, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):379–84
[Changes in the ultrastructure and topography of nucleoproteins during interphase death of irradiated thymocytes] Guljaev VA. **Acta Histochem [Suppl] (Jena)** 1984;30:369–73 **(Ger)**
[Modulation of cell surface structures. Characterization of differentiating thymus lymphocytes as well as 'entdifferentiated' epithelial and lymphoblastic cells] Raedler A, et al. **Bibl Anat** 1984;(25):1–80 **(Ger)**
[The role of cultured thymic epithelium and dialyzable leukocyte extracts on the maturation process of T cell. Study of their effects on cyclic nucleotides levels in thymocytes] Tsuneta H. **Hokkaido Igaku Zasshi** 1984 Mar; 59(2):128–39 (Eng. Abstr.) **(Jpn)**
[Tissue basophils in the thymus (luminescence microscopic and immunologic analysis)] Aznaurian AV, et al. **Arkh Anat Gistol Embriol** 1984 Apr;86(4):45–7 (Eng. Abstr.) **(Rus)**
[Structure of thymus and bone marrow lymphocytes in explants] Panchenko NA. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):21–7 (Eng. Abstr.) **(Rus)**
[Effect of chitosan on the electrophoretic motility of thymocytes] Sapozhnikov AM, et al. **Biofizika** 1984 Mar–Apr;29(2):272–5 (Eng. Abstr.) **(Rus)**
[Relation of the quantitative characteristics of the 2–dimensional distribution of cells by their DNA and RNA content to the properties of these cells] Konradov AA, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan–Feb;(1):124–9 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of radiation death of lymphoid cells. Radioprotective effect of cysteamine on a subpopulation of thymocytes differing in radiation sensitivity] Soldatenkov VA, et al. **Radiobiologiia** 1983 Sep–Oct; 23(5):585–9 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of interphase death of lymphoid cells. Distribution of nuclease attack sites in chromatin and kinetic complexity of DNA in PDN] Zvonareva NB, et al. **Radiobiologiia** 1983 Sep–Oct;23(5):579–84 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Ampicillin effect on lymphatic tissue of mice and its reaction to sheep erythrocytes. Mościcka–Wesołowska M, et al. **Acta Physiol Pol** 1983 May–Jun;34(3):369–81
Improvement in clinical condition and thymus morphologic features associated with growth hormone treatment of immunodeficient dwarf dogs. Roth JA, et al. **Am J Vet Res** 1984 Jun;45(6):1151–5
The effect of sex steroids and hormonal contraceptives upon thymus and spleen on intact female rats. Kuhl H, et al. **Contraception** 1983 Dec;28(6):587–601
Influence of impairment of the immune system on hepatic biotransformation reactions, their postnatal development and inducibility. Klinger W, et al. **Exp Pathol** 1983; 24(4):219–25
In vivo effect of progesteron and estrogen on thymus mass and T–cell functions in female mice. Marotti T, et al. **Horm Metab Res** 1984 Apr;16(4):201–3
Kinetics of the histological changes in lymphoid organs and of the T–cell inducing capacity of serum in mice treated with Imuthiol (sodium diethyldithiocarbamate). Pompidou A, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):172–7
The acute effects of single and repeated injections of acrolein and other aldehydes. Warholm M, et al. **Int J Tissue React** 1984;6(1):61–70
Thymic sensitivity to sex hormones develops post–natally; an in vivo and an in vitro study. Barr IG, et al. **J Immunol** 1984 Mar;132(3):1095–9
Effect of antiglucocorticoids on dexamethasone–induced inhibition of uridine incorporation and cell lysis in isolated mouse thymocytes. Duval D, et al. **J Steroid Biochem** 1984 Jan;20(1):283–7
Effects of corticotropin on the thymus and the hypothalamo–pituitary–adrenal system. Guseinov SG, et al. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):135–8
Effect of adrenocorticotropin hormone injections on glucocorticoid receptors in chicken thymocytes. Gould NR, et al. **Poult Sci** 1984 Feb;63(2):373–7
Effect of protracted Diazepam treatment on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):657–62
Effect of single diazepam administration on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):663–8
Toxicity of bis(tri–n–butyltin)oxide in the rat. II. Suppression of thymus–dependent immune responses and of parameters of nonspecific resistance after short–term exposure. Vos JG, et al. **Toxicol Appl Pharmacol** 1984 Sep 30; 75(3):387–408
Toxic effects of some xanthine derivatives with special emphasis on adverse effects on rat testes. Dahlbäck M, et al. **Toxicology** 1984 Jul;32(1):23–35
[Non–chromatin nuclear structures in thymus epithelial cells of the mouse after treatment with L–3,3,5–triiodothyronine] Marinova Ts. **Eksp Med Morfol** 1983;22(4):37–41 (Eng. Abstr.) **(Bul)**
[Structural characteristics of the thymus in the antenatal and early postnatal periods of ontogeny in tetracycline exposure] Petrova TB. **Arkh Anat Gistol Embriol** 1984 Feb; 86(2):85–92 (Eng. Abstr.) **(Rus)**
[Effect of adenosine, AMP and papaverine on the cAMP content in thymocytes prelabelled with 14C–adenine] Dmitrenko NP, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):181–3 (Eng. Abstr.) **(Rus)**
[Effect of long–term administration of T–activin on the structure of the thymus] Koval'skaia NI, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):101–2 (Eng. Abstr.) **(Rus)**
[Effect of tetracycline hydrochloride on the development of the thymus structure in the rat] Petrova TB. **Farmakol Toksikol** 1984 May–Jun;47(3):66–70 (Eng. Abstr.) **(Rus)**
[Effect of thymalin on the thymus and immunologic indices of irradiated animals] Grintsevich II, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):537–40 (Eng. Abstr.) **(Rus)**
[Effect of novobiocin on degradation and repair of the superhelical structure of nuclear DNA from rat thymocyte fractions] Vashchenko VI, et al. **Radiobiologiia** 1983 Nov–Dec;23(6):786–9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Early events in T lymphocyte genesis in the fetal thymus. Owen JJ, et al. **Am J Anat** 1984 Jul;170(3):301–10
The ontogeny of T lymphocytes. Owen JJ, et al. **Ann Immunol (Paris)** 1983 Jul–Aug;134D(1):115–22 (33 ref.)
Total thymectomy in the early chick embryo. Martin CS. **Arch Anat Microsc Morphol Exp** 1983;72(2):107–15
Differentiation of thymic lymphoid cells during human embryogenesis. Raitsina SS, et al. **Dev Comp Immunol** 1984 Winter;8(1):225–30
Thymus differentiation and T–cell specificity in nu/nu +/+ mouse aggregation chimaeras. Zinkernagel RM, et al. **EMBO J** 1983;2(10):1665–72
Estrogen and antiestrogen effects on different lymphoid cell populations in the developing fetal thymus of guinea pig. Gulino A, et al. **Endocrinology** 1983 Nov;113(5):1754–62
Transplantation of turtle embryonic thymus into quail embryo: colonization by quail cells. Vasse J. **J Embryol Exp Morphol** 1983 Oct;77:309–22
Precursors of T cell growth factor producing cells in the thymus: ontogeny, frequency, and quantitative recovery in a subpopulation of phenotypically mature thymocytes defined by monoclonal antibody GK–1.5. Ceredig R, et al. **J Exp Med** 1983 Nov 1;158(5):1654–71
Dependence of thymus development on derivatives of the neural crest. Bockman DE, et al. **Science** 1984 Feb 3; 223(4635):498–500
Prothymocytes in mouse fetal liver. Boersma WJ. **Thymus**

1983 Sep;5(5–6):419–28
[Thymocyte differentiation in mouse embryogenesis] Kalinina II. **Biull Eksp Biol Med** 1983 Dec;96(12):76–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A specific endonuclease which co-purifies with calf thymus terminal deoxynucleotidyl transferase. Deibel MR Jr. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):909–16
Affinity of chromatin constituents for isopeptidase. Kanda F, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1296–306
Urea—DNA glycosylase in mammalian cells. Breimer LH. **Biochemistry** 1983 Aug 30;22(18):4192–7
Kinetic mechanism of the reaction catalyzed by nuclear histone acetyltransferase from calf thymus. Wong LJ, et al. **Biochemistry** 1983 Sep 27;22(20):4637–41
DNA primase associated with 10 S DNA polymerase alpha from calf thymus. Yoshida S, et al. **Biochim Biophys Acta** 1983 Dec 22;741(3):348–57
A mammalian DNA polymerase alpha holoenzyme functioning on defined in vivo-like templates. Hübscher U, et al. **EMBO J** 1982;1(12):1513–9
Purification of mRNA guanylyltransferase from calf thymus. Nishikawa Y, et al. **EMBO J** 1982;1(4):485–92
DNA topoisomerase I from calf thymus is inhibited in vitro by poly(ADP-ribosylation). Jongstra-Bilen J, et al. **Eur J Biochem** 1983 Nov 2;136(2):391–6
Isolation and purification of poly(ADP-ribose) glycohydrolase from pig thymus. Tavassoli M, et al. **Eur J Biochem** 1983 Oct 3;135(3):449–55
DNA polymerase accessory proteins in mammalian cells. Biamonti G, et al. **Folia Biol (Praha)** 1984;30 Spec No:83–92
Immunohistological demonstration of terminal transferase (TdT) in the age-involuted human thymus. Steinmann GG, et al. **Immunobiology** 1984 Jan;166(1):45–52
Distribution of terminal deoxynucleotidyl transferase activity between peaks I and II in host and donor thymic cells of bone-marrow-restored mice after X-irradiation. Daculsi R, et al. **Int J Radiat Biol** 1983 Nov;44(5):455–61
Similarities in structure and function of calf thymus and Drosophila casein kinase II. Dahmus GK, et al. **J Biol Chem** 1984 Jul 25;259(14):9001–6
Poly(ADP-ribosylation) of DNA topoisomerase I from calf thymus. Ferro AM, et al. **J Biol Chem** 1984 Jan 10; 259(1):547–54
Poly (ADP-Ribose) synthetase. Separation and identification of three proteolytic fragments as the substrate-binding domain, the DNA-binding domain, and the automodification domain. Kameshita I, et al. **J Biol Chem** 1984 Apr 25;259(8):4770–6
In vitro transcription initiation by purified RNA polymerase II within the adenovirus 2 major late promoter region. Mishoe H, et al. **J Biol Chem** 1984 Feb 25;259(4):2236–42
Intercalative antitumor drugs interfere with the breakage-reunion reaction of mammalian DNA topoisomerase II. Tewey KM, et al. **J Biol Chem** 1984 Jul 25;259(14):9182–7
Estrogen-responsive creatine-kinase in the reticulo-epithelial cells of rat thymus. Marchetti P, et al. **J Steroid Biochem** 1984 Apr;20(4A):835–9
Morphologic changes and immunohistochemical localization of adenosine deaminase in tissues of rats given injections of 2'-deoxycoformycin. Checkik BE, et al. **JNCI** 1983 Nov; 71(5):999–1010
Large polypeptides of 10S DNA polymerase alpha from calf thymus: rapid isolation using monoclonal antibody and tryptic peptide mapping analysis. Masaki S, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4455–67
The elongation of mismatched primers by DNA polymerase alpha from calf thymus. Reckmann B, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7251–60
Specific termination of in vitro transcription by calf thymus RNA polymerase III. Watson JB, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5369–84
Mammalian DNA polymerase alpha holoenzymes with possible functions at the leading and lagging strand of the replication fork. Ottiger HP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3993–7
An inhibitory effect of sulfhydryl compounds in the assay of rat and mouse thymic terminal deoxynucleotidyl transferase (TdT). Jacobs DL, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):517–20
The ontogeny of acid alpha-naphthyl acetate esterase activity in the thymus. Gilhus NE. **Thymus** 1983 Sep;5(5–6):439–43
[Postradiation disorders in the adenine-phosphoribosyltransferase pathway of AMP biosynthesis] Kuznetsova EV, et al. **Radiobiologiia** 1984 May-Jun;24(3):347–50 (Eng. Abstr.) **(Rus)**
[Ultrastructural localization of nucleoside phosphatase activity in the thymocytes of rats] Bukhvalov IB, et al. **Tsitologiia** 1983 Aug;25(8):904–9 (22 ref.) (Eng. Abstr.) **(Rus)**
[Changes in the activity of flavoprotein-dependent monooxygenase of immunocompetent cells in the mouse in response to antigens and low-molecular immunomodulators] Golovenko NIa, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):42–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ontogeny of the cytosolic receptor for 2,3,7,8-tetrachlorodibenzo-p-dioxin in rat liver, lung, and thymus. Gasiewicz TA, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):183–90
Neuroimmunomodulation with enkephalins: effects on thymus and spleen weights in mice. Plotnikoff NP, et al. **Clin Immunol Immunopathol** 1984 Jul;32(1):52–6
Ontogeny of the rat thymus micro-environment: development of the interdigitating cell and macrophage populations. Duijvestijn AM, et al. **Dev Comp Immunol** 1984 Spring;8(2):451–60
Involution of the thymus in marsupial mice. Poskittt DC, et al. **Dev Comp Immunol** 1984 Spring;8(2):483–8
Developmental changes of ganglioside compositions and biosyntheses in rat bone marrow cells, spleen and thymus. Taki T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):925–30

IMMUNOLOGY

Myasthenia gravis: the specificities of skeletal muscle and thymus antibodies. Gilhus NE, et al. **Acta Neurol Scand** 1983 Nov;68(5):328–36 (29 ref.)
Effector and regulator functions of splenic and thymic lymphocytes in the clawed toad Xenopus. Hsu E, et al. **Ann Immunol (Paris)** 1983 Nov-Dec;134D(3):277–92
The thymus in immunodeficiency diseases: new therapeutic approaches. Bach JF. **Birth Defects** 1983;19(3):245–53 (61 ref.)
Demonstration of abnormalities in expression of thymic epithelial surface antigens in severe cellular immunodeficiency diseases. Haynes BF, et al. **Birth Defects** 1983;19(3):255–8
The role of the thymus in the induction of murine T-lymphocytes bearing membrane antigen common to human thymocytes. An immunohistochemical study. Naito K. **Bull Osaka Med Sch** 1983 Jul;29(1):1–11
Low incidence of gross leukemia virus-induced lymphomas in spontaneously hypertensive rats with thymic dysfunction. Takeichi N, et al. **Cancer Res** 1984 Aug; 44(8):3241–4
The major histocompatibility complex-restricted antigen receptor on T cells: distribution on thymus and peripheral T cells. Roehm N, et al. **Cell** 1984 Sep;38(2):577–84
The ontogeny of thymic macrophages: thymic macrophages express Ia from 15 days gestation onwards in the mouse. Robinson JH. **Cell Immunol** 1984 Apr 1;84(2):422–6
Influence of age on the ability of thymic adherent cells to produce factors in vitro which modulate immune responses of thymocytes. Sato K, et al. **Cell Immunol** 1984 Sep; 87(2):473–84
Distinctive immunological properties of cultured murine thymic epithelial cells. Britz JS, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):227–32
Thymocyte plasma membrane of the rainbow trout, Salmo gairdneri: associated immunoglobulin and heteroantigens. Warr GW, et al. **Comp Biochem Physiol [B]** 1983; 76(3):515–21
The goldfish immune response. II. Thymic influence on allograft rejection. Desvaux FX, et al. **Dev Comp Immunol** 1983 Summer;7(3):563–7
Electron microscopic comparison of mouse thymocytes and yolk sac cells using a peanut agglutinin-horseradish peroxidase conjugate. Haar JL, et al. **Dev Comp Immunol** 1983 Summer;7(3):581–5
Surface immunoglobulin on granular and agranular leukocytes in the thymus and spleen of the snapping turtle, Chelydra serpentina. Mead KF, et al. **Dev Comp Immunol** 1984 Winter;8(1):109–20
The role of thymic immunity and insulitis in the development of streptozocin-induced diabetes in mice. Nakamura M, et al. **Diabetes** 1984 Sep;33(9):894–900
Human skin grafts on athymic nude rats. An experimental model for dermatological research. Brüngger A, et al. **Exp Cell Biol** 1984;52(1–2):122–4
Induction of thymus-dependent immunity in athymic nude rats by transplantation of allogeneic cultured thymic epithelium. Schuurman HJ, et al. **Exp Cell Biol** 1984; 52(1–2):103–6
The immunogenicity of carcinoembryonic antigen (CEA) in athymic nude mice. Lewis JC. **Exp Pathol** 1983;24(1):43–50
Immunological abnormalities involving the thymus in ulcerative colitis and therapeutic effects of thymectomy. Tsuchiya M. **Gastroenterol Jpn** 1984 Jun;19(3):232–46
Human cutaneous dendritic cells express two glycoproteins T6 and M241 which are biochemically identical to those found on cortical thymocytes. van de Rijn M, et al. **Hum Immunol** 1984 Apr;9(4):201–10
Two distinct TL-like molecular subsets defined by monoclonal antibodies on the surface of human thymocytes with different expression on leukemia lines. Olive D, et al. **Immunogenetics** 1984;20(3):253–64
Selective interactions of electrolectins from eel electric organ and mouse thymus with mouse immature thymocytes. Levi G, et al. **Immunol Lett** 1983;7(1):35–9
Detection of antibodies to thymic tissue in human serum. Singh VK, et al. **Immunol Lett** 1984;7(5):249–52
The human thymus in ageing: histologic involution paralleled by increased mitogen response and by enrichment of OKT3+ lymphocytes. Baroni CD, et al. **Immunology** 1983 Dec;50(4):519–28
TNP-Ficoll response in Xenopus laevis: substitution and reconstitution in thymectomized animals. Clothier RH, et al. **Immunology** 1984 Jul;52(3):483–9
In vivo modulation of thymus-derived lymphocytes with monoclonal antibodies in mice. III. Spontaneous and natural cytotoxic effector cells. Herbert AG, et al. **Immunology** 1984 Feb;51(2):377–85
Ontogeny of antigen-presenting activity of haptenized cells in mice: early development of syngeneic T cell-stimulatory cells in thymus. Hosono M, et al. **Immunology** 1984 Jan; 51(1):161–8
The mechanism of reduction of cell-mediated cytotoxicity in neonatally thymectomized mice. Kawauchi H, et al. **Immunology** 1983 Oct;50(2):199–205
During frog ontogeny, PHA and Con A responsiveness of splenocytes precedes that of thymocytes. Rollins-Smith LA, et al. **Immunology** 1984 Jul;52(3):491–500
The development of NK cell activity in thymectomized bone marrow chimaeras. Sihvola M, et al. **Immunology** 1984 Sep; 53(1):17–22
Hapten-specific B cell blockade of the immune response to a thymus-independent-1 antigen produced by concomitant administration of a thymus-independent-2 antigen. Snippe H, et al. **Immunology** 1984 May;52(1):87–96
Helper T cell activity demonstrated by thymic nurse T cells (TNC-T). Vakharia DD, et al. **Immunology** 1984 Feb; 51(2):269–73
Passive hemagglutination assay for detection & quantitation of autoantibodies reactive with thymus RNA in systemic lupus erythematosus. Kumar A, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):304–5
Distribution of immunoglobulin-containing cells in normal and neonatally thymectomized rats. Ebersole JL, et al. **Infect Immun** 1983 Nov;42(2):668–74
Molecular properties of the Ro/SSA antigen and enzyme-linked immunosorbent assay for quantitation of antibody. Yamagata H, et al. **J Clin Invest** 1984 Aug; 74(2):625–33
Differentiation and maturation of thy-1 negative bone marrow cells. I. Effects of the thymus and radioresistant helper functions on the maturation of precursor cells specific for heterologous erythrocytes. Gondo H, et al. **J Clin Lab Immunol** 1983 Sep;12(1):41–5
Interaction of T-lymphocytes with the epidermis: immunopathological studies. Patterson JA, et al. **J Cutan Pathol** 1983 Dec;10(6):540–9 (63 ref.)
Thymic cytotoxic T lymphocytes are primed in vivo to minor histocompatibility antigens. Fink PJ, et al. **J Exp Med** 1984 Feb 1;159(2):436–51
Phenotypic characterization and ontogeny of mesodermal-derived and endocrine epithelial components of the human thymic microenvironment. Haynes BF, et al. **J Exp Med** 1984 Apr 1;159(4):1149–68
Production of anti-thymulin (FTS) monoclonal antibodies by immunization against human thymic epithelial cells. Berrih S, et al. **J Histochem Cytochem** 1984 Apr;32(4):432–8
Genetic limits of thymic immunosuppression of anti-hapten antibody production in Xenopus laevis laevis, the South African clawed toad. Ruben LN, et al. **J Immunogenet** 1984 Feb;11(1):97–101
Reduced expression of Ia antigens by thymic epithelial cells of aged mice. Farr AG, et al. **J Immunol** 1984 Jul; 133(1):98–103
Estrogen immunosuppression is regulated through estrogenic responses in the thymus. Luster MI, et al. **J Immunol** 1984 Jul;133(1):110–6
Role of the thymus in control of autoreactivity or allotolerance in syngeneic and allogeneic bone marrow chimeras treated with bacterial adjuvants. Taniguchi K, et al. **J Immunol** 1984 Oct;133(4):1735–9
Selective activation by thymus-dependent antigens of distinct B cell subpopulations expressing a major cross-reactive idiotype. Woodland RT, et al. **J Immunol** 1984 Oct; 133(4):1801–10
The lymphatic pathology of Brugia pahangi in nude (athymic) and thymic mice C3H/HeN. Vincent AL, et al. **J Parasitol** 1984 Feb;70(1):48–56
Thymic epithelial antigen, acquired during ontogeny and defined by the anti-p19 monoclonal antibody, is lost in thymomas. Savino W, et al. **Lab Invest** 1984 Sep; 51(3):292–6
Characterization of thymocytes expressing the common acute lymphoblastic leukemia antigen. Neudorf SM, et al. **Leuk Res** 1984;8(2):173–9
T cell-activating monokines in guinea pigs: comparison of high and low molecular weight factors. Sakamoto S, et al. **Microbiol Immunol** 1983;27(12):1117–27
Characterization of antigenic polypeptides of the RNP, Sm and SS-B nuclear antigens from calf thymus. Duran N, et al. **Mol Immunol** 1984 Aug;21(8):731–9
Bone marrow cells give rise to distinct cell clones within the thymus. Ezine S, et al. **Nature** 1984 Jun 14–20; 309(5969):629–31
T-cell development in the thymus [news] Shortman K. **Nature** 1984 Jun 14–20;309(5969):583–4
Thymic B-cell activation in myasthenia gravis. Levinson AI, et al. **Neurology (NY)** 1984 Apr;34(4):462–8
The role of the thymus in immune response. Kesztyüs L. **Ther Hung** 1981;29(3):113–9
Thymic and body weight during first syngeneic and allogeneic pregnancy in the rat, and the effects of strain difference. Leeming G, et al. **Thymus** 1984;6(3):153–65
Localization and distribution by age and species of an avian

thymus-specific antigen. Murthy KK, et al. **Thymus** 1984; 6(1-2):43-55

Immunomodulation of murine B16 melanoma metastasis: thymosin, thymectomy and irradiation. Naylor PH, et al. **Thymus** 1983 Sep;5(5-6):355-61

In vitro thymus suppression of hemagglutinin production in Xenopus laevis: location, drug and temperature sensitivity. Ruben LN, et al. **Thymus** 1984;6(3):143-52

Induction of early alloantigen tolerance in thymus and spleen. Schwartz DH, et al. **Thymus** 1984;6(1-2):105-20

The graft-versus-host reaction and immune function. I. T helper cell immunodeficiency associated with graft-versus-host-induced thymic epithelial cell damage. Seddik M, et al. **Transplantation** 1984 Mar;37(3):281-6

[Detection of a thymus-specific antigen in cattle using a solid phase immunoenzyme test for plasma membranes] Ristau E. **Arch Exp Veterinarmed** 1984 Mar;38(2):283-6 (Eng. Abstr.) **(Ger)**

[Effects of an antiserum for epithelial-reticular cells of the thymus on T-dependent immune response] Premrov MG, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1665-9 (Eng. Abstr.) **(Ita)**

[Participation of the cyclase system in the molecular mechanisms of differentiation control of immunocompetent cells] Kozhemiakin AL, et al. **Biokhimiia** 1984 Apr; 49(4):658-66 (Eng. Abstr.) **(Rus)**

[Demonstration of secretory component in membrane structures of the human thymus] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):79-81 (Eng. Abstr.) **(Rus)**

[Effect of adenovirus and influenza virus on the thymus-dependent and thymus-independent immune response] Frolov AF, et al. **Vopr Virusol** 1984 Jan-Feb; 29(1):79-82 (Eng. Abstr.) **(Rus)**

[Effect of histamine on lymphocyte E-rosette formation in patients with a deficiency in the thymus-dependent immunity system] Kravchuk GP. **Vrach Delo** 1983 Nov; (11):15-7 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy and syngeneic thymocytes on colony formation by hematopoietic precursor cells in the peritoneal cavity] Kompaniets NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):84-8 (Eng. Abstr.) **(Rus)**

INNERVATION

Sympathetic innervation of fetal mouse thymus. Singh U. **Eur J Immunol** 1984 Aug;14(8):757-9

METABOLISM

Ex vivo binding to thymic glucocorticoid receptors: correlation with biological responses. Luzzani F, et al. **Adv Exp Med Biol** 1984;171:313-20

Purine metabolism in splenocytes and thymocytes of various mammalian species. Peters GJ, et al. **Adv Exp Med Biol** 1984;165 Pt B:107-10

Specific binding of 17 beta-estradiol in the human thymus. Nilsson B, et al. **Am J Obstet Gynecol** 1984 Jul 1; 149(5):544-7

Effect of dextran-charcoal treatment on the dissociation kinetics of glucocorticoid-receptor complexes: possible involvement of lipid. Bell PA, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1134-40

1,25-Dihydroxyvitamin D3 receptors in a subset of mitotically active lymphocytes from rat thymus. Provvedini DM, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):277-83

Isolation of acetylcholine receptor-like protein from fetal calf thymus. Kawanami S, et al. **Biochem Int** 1984 Mar; 8(3):377-83

Nucleotide catabolism and nucleoside cycles in human thymocytes. Role of orthophosphate. Barankiewicz J, et al. **Biochem J** 1984 Apr 1;219(1):197-203

Glycosylation of proteins from sugar nucleotides by whole cells. Effect of ammonium chloride treatment on mouse thymocytes. Cecchelli R, et al. **Biochem J** 1983 Dec 15; 216(3):681-6

HMG (high-mobility-group)-14/17-like proteins in calf thyroid. Thyrotropin-dependent phosphorylation and comparison with calf thymus proteins. Cooper E, et al. **Biochem J** 1983 Dec 1;215(3):643-9

Oxygen uptake associated with Sendai-virus-stimulated chemiluminescence in rat thymocytes contains a significant non-mitochondrial component. Kolbuch-Braddon ME, et al. **Biochem J** 1984 Sep 1;222(2):541-51

Effects of ionic strength and state of assembly on kinetics of hydrogen exchange of calf thymus histones. McCarthy MP, et al. **Biochemistry** 1984 May 8;23(10):2227-30

Structural and functional heterogeneity of single-stranded DNA-binding proteins from calf thymus. Valentini O, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):147-55

Regulation of glycoprotein synthesis by thymic hormones in human thymocytes. Ramagopal S. **Cell Biol Int Rep** 1983 Dec;7(12):989-96

Effect of hypocalcemic protein P-MSY obtained from bovine parotid gland on the cyclic adenosine-5'-monophosphate and cyclic guanosine-5'-monophosphate contents of murine thymus and spleen cells. Yamamoto H, et al. **Chem Pharm Bull (Tokyo)** 1983 May;31(5):1757-60

Progesterone receptors in rat thymus. Pearce PT, et al. **Endocrinology** 1983 Oct;113(4):1287-91

An immediate increase in calcium accumulation by rat thymocytes induced by triiodothyronine: its role in the subsequent metabolic responses. Segal J, et al. **Endocrinology** 1984 Jul;115(1):160-6

Nascent DNA chains synthesized in reversibly permeable cells of mouse thymocytes. Banfalvi G, et al. **Eur J Biochem** 1984 Mar 15;139(3):553-9

Kinetic and thermodynamic evidence of a molybdate interaction with glucocorticoid receptor in calf thymus. Cardo PP, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):173-8

Age-related growth and protein turnover in the thymus of normal and glucocorticoid-treated rats. Kelly FJ, et al. **Eur J Biochem** 1984 Feb 1;138(3):623-7

Adenosine(5')tetraphospho(5')adenosine-binding protein of calf thymus. Rapaport E, et al. **Eur J Biochem** 1984 Jan 2;138(1):111-5

Chromatin-bound and free RNA polymerase A activities in rat thymus cells following glucocorticoid treatment. Dembinski TC. **FEBS Lett** 1984 Jul 23;173(1):129-33

Modulation of glucocorticoid effect in thymus of adrenalectomized-diabetic rat. Roldán A, et al. **Horm Metab Res** 1984 Jan;16(1):17-21

Rat thymocyte sodium transport. Effects of changes in sodium balance and experimental hypertension. Bradlaugh R, et al. **Hypertension** 1984 Jul-Aug;6(4):454-9

Effects of ATP and pyrophosphate on properties of glucocorticoid-receptor complexes from rat thymus cells. Holbrook NJ, et al. **J Biol Chem** 1983 Dec 25; 258(24):14885-94

Glucocorticoid-receptor complexes in rat thymus cells. Rapid kinetic behavior and a cyclic model. Munck A, et al. **J Biol Chem** 1984 Jan 25;259(2):820-31

Nonactivated and activated glucocorticoid-receptor complexes in WEHI-7 and rat thymus cells. Holbrook NJ, et al. **J Steroid Biochem** 1984 Jan;20(1):19-22

Stabilization of glucocorticoid-receptor complexes in rat thymus cytosol by a factor from WEHI-7 cells. Holbrook NJ, et al. **J Steroid Biochem** 1984 Jan;20(1):245-50

The effect of partially purified dexamethasone receptor on RNA synthesis in rat thymus and liver nuclei. Tsawdaroglou NH, et al. **J Steroid Biochem** 1984 Jan; 20(1):295-300

Etiologic theory for Graves' ophthalmopathy [letter] Simmons VP. **Mayo Clin Proc** 1984 Feb;59(2):127

Glucocorticoid-induced phospholipase A2-inhibitory proteins mediate glucocorticoid teratogenicity in vitro. Gupta C, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(4):1140-3

Phosphorylation at a tyrosine residue of lipomodulin in mitogen-stimulated murine thymocytes. Hirata F, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4717-21

Characteristics of the cytoplasmic and nuclear dihydrotestosterone receptors of human thymic tissue. Grossman CJ, et al. **Steroids** 1983 Jul;42(1):11-22

[Localization of glycoconjugates in the tissue structures of man and animals] Beletskaia LV, et al. **Arkh Anat Gistol Embriol** 1984 May;86(5):68-72 (Eng. Abstr.) **(Rus)**

[Peculiarities of the amino acid composition, spatial organization and interaction with DNA of histones H1 from calf thymus and carp spermatozoa] Khrapunov SN, et al. **Biokhimiia** 1983 Jul;48(7):1085-94 (Eng. Abstr.) **(Rus)**

[Kinetics of the development of the glucocorticoid effect on the thymus in adrenalectomized rats] Muskhelishvili GD, et al. **Biokhimiia** 1983 Jul;48(7):1221-9 (Eng. Abstr.) **(Rus)**

[Metabolism of chromatin lipids in rat liver and thymus] Kaznacheev IuS, et al. **Mol Biol (Mosk)** 1984 May-Jun; 18(3):607-12 (Eng. Abstr.) **(Rus)**

[Changes in the kinetics of rabbit thymus DNA re-association in various time periods after gamma-irradiation] Kalashnikova LA, et al. **Radiobiologiia** 1983 Nov-Dec; 23(6):792-5 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of radiation death of lymphoid cells. Protein poly-ADP-ribosylation in thymocyte fractions] Sorokina NI, et al. **Radiobiologiia** 1983 Nov-Dec; 23(6):739-42 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Free and integrated recombinant murine leukemia virus DNAs appear in preleukemic thymuses of AKR/J mice. Herr W, et al. **J Virol** 1984 Apr;50(1):155-62

Thymic stroma in AKR mice: its function and virus production. Hays EF, et al. **Leuk Res** 1984;8(4):637-45

Infection of normal human thymic epithelial cells by Epstein-Barr virus (EBV) following implantation of EBV receptors. Seshi B, et al. **Thymus** 1984;6(1-2):5-13

PATHOLOGY

Disorders of the thymus. A review. Rosenow EC 3d, et al. **Arch Intern Med** 1984 Apr;144(4):763-70

Thymic alymphoplasia with myelopoietic hypoplasia. Report of an autopsy case. Zhao ML, et al. **Chin Med J [Engl]** 1983 Dec;96(12):929-34

Studies of the thymus in mice bearing the Lewis lung carcinoma. III. Possible mechanisms of tumor-induced thymic atrophy. Kaiserlian D, et al. **Clin Immunol Immunopathol** 1984 Sep;32(3):316-25

Thymic involution in rats given diets containing dioctyltin dichloride. Miller K, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):62-70

Effects of submandibularectomy and castration on thymus and spleen weights in male mice. Dean DH, et al. **Experientia** 1983 Dec 15;39(12):1351-2

Precocious thymic involution manifest by epithelial injury in the acquired immune deficiency syndrome. Seemayer TA, et al. **Hum Pathol** 1984 May;15(5):469-74

2,5-Hexane diol induced thymic atrophy and lymphocytotoxicity in rats. Singh KP, et al. **Ind Health** 1983;21(4):235-42

Quantitative light and electron microscopic changes in thymic reticular epithelial cells during Moloney-virus-induced lymphoma development. Heine UI, et al. **J Cancer Res Clin Oncol** 1983;106(2):102-11

Differentiation block of prethymic lymphocytes during Moloney-virus-induced lymphoma development associated with a thymic epithelial defect. Krueger GR, et al. **J Cancer Res Clin Oncol** 1983;106(2):153-7

Histopathology and histochemistry of R.E.S. in infections with Plasmodium yoelii nigeriensis. Rifaat MA, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):209-18

Obese strain (OS) chickens with spontaneous autoimmune thyroiditis have a deficiency in thymic nurse cells. Boyd RL, et al. **J Immunol** 1984 Feb;132(2):718-24

Thymic extracellular matrix in myasthenia gravis [letter] Savino W, et al. **Lancet** 1984 Jul 7;2(8393):45-6

Thymic nurse cells account for the thymus dependency of preleukemic cells in mice after inoculation of radiation leukemia virus. Houben-Defresne MP, et al. **Leuk Res** 1983; 7(5):575-80

Rebound thymic hyperplasia in a child with cancer. Bell BA, et al. **Med Pediatr Oncol** 1984;12(2):144-7

Thymic enlargement in dogs [letter] Wyler DK. **Mod Vet Pract** 1982 May;63(5):355

Thymus in myasthenia gravis: a light and electron microscopic study of a case with thymic follicular hyperplasia. Wiersbowsky-Schmeel A, et al. **Pathol Res Pract** 1984 Mar;178(4):323-31

The graft-versus-host reaction and immune function. II. Recruitment of pre-T-cells in vivo by graft-versus-host-induced dysplastic thymuses following irradiation and bone marrow treatment. Seddik M, et al. **Transplantation** 1984 Mar;37(3):286-90

Lateral cervical thymic cyst. Patiroğlu TE, et al. **Turk J Pediatr** 1983 Jul-Sep;25(3):189-92

Detection by S-100 immunolabelling of interdigitating reticulum cells in human thymomas. Lauriola L, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):187-95

Immunohistochemical and enzyme histochemical contributions to the problem concerning the role of the thymus in the pathogenesis of myasthenia gravis. Palestro G, et al. **Virchows Arch [Cell Pathol]** 1983;44(2):173-86

[Changes in the non-neoplastic thymus in myasthenia gravis] Havlíček J. **Cesk Patol** 1983 Aug;19(3):178-84 (Eng. Abstr.) **(Cze)**

[Sudden infant death and hypertrophy of the thymus gland] Bonzanigo C, et al. **Schweiz Rundsch Med Prax** 1983 Dec 20;72(51-52):1617-25 (Eng. Abstr.) **(Ger)**

[Description of a case of bronchiolitis complicated by spontaneous pneumothorax and acute atrophy of the thymus gland] Coppola V, et al. **Minerva Pediatr** 1983 Oct 15;35(19):955-8 **(Ita)**

[Changes in the structure of the rat thymus after hydrocortisone administration] Aminova GG, et al. **Arkh Anat Gistol Embriol** 1983 Oct;85(10):45-9 (Eng. Abstr.) **(Rus)**

[Dynamics of morphological changes in the adrenal glands and lymphoid organs during immobilization stress in rats] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Jul; 85(7):67-72 (Eng. Abstr.) **(Rus)**

[Changes in the structure of the lymphoid organs of rats during prolonged hypokinesia] Durnova GN, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):17-21 (Eng. Abstr.) **(Rus)**

[The immune system and its relation with infection process in children] Ivanovskaia TE. **Arkh Patol** 1983;45(7):3-13 (Eng. Abstr.) **(Rus)**

[Clinico-morphological characteristics of status thymicolymphaticus in adolescents and adults] Popov MS, et al. **Arkh Patol** 1983;45(6):60-7 (Eng. Abstr.) **(Rus)**

[Mucoepidermoid tumor of the thymus gland] Vasil'ev VN, et al. **Arkh Patol** 1984;46(6):67-9 (Eng. Abstr.) **(Rus)**

[Pathomorphology of lymphoid tissue at late periods after anaphylactic shock] Minnebaev MM, et al. **Biul Eksp Biol Med** 1983 Dec;96(12):93-7 (Eng. Abstr.) **(Rus)**

[Comparison between the morphofunctional state of the thymus and peripheral organs of the immune system in tuberculosis] El'shanskaia MP, et al. **Probl Tuberk** 1984 Feb;(2):59-63 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bacterial modulation of the cellular immune response in mice. I. The course of lymphocytic choriomeningitis virus infection in Bordetella pertussis vaccine pretreated mice with physiological thymus involution. Szeri I, et al. **Acta Microbiol Hung** 1983;30(3-4):227-32

Cold-exposure-elicited modifications in the thymus, bursa of Fabricius, adrenals and blood of chickens. Giurgea R, et al. **Acta Vet Hung** 1983;31(1-3):65-71

Thymic inhibition of myelopoietic proliferation. Gruber DF, et al. **Adv Exp Med Biol** 1984;172:227-40

T-cell development in the absence of a thymus: the number,

the phenotype, and the functional capacity of T lymphocytes in nude mice. Chen WF, et al. **Am J Anat** 1984 Jul;170(3):339–47

Lymph node mast cells in athymic 'nude' (Nu/Nu) and thymus containing (Nu/+ and +/+) Balb/c mice. Włodarski K, et al. **Arch Immunol Ther Exp (Warsz)** 1983; 31(2):177–82

The thymic factor system. Renoux G. **Biomed Pharmacother** 1983;37(9–10):433–40 (116 ref.)

In vitro migration of avian hemopoietic cells to the thymus: preliminary characterization of a chemotactic mechanism. Slimane SB, et al. **Cell Differ** 1983 Sep;13(1):1–24

Radiation effects on regeneration and T-cell–inducing function of the thymus. Hirokawa K, et al. **Cell Immunol** 1984 Apr 1;84(2):372–9

Cell culture of mammalian thymic epithelial cells: growth, structural, and antigenic properties. Sun TT, et al. **Cell Immunol** 1984 Jan;83(1):1–13

Physiological dependency between the hypothalamus and the thymus of Wistar rats. IV. Organotypic culture of the thymus in the presence of hypophyseal hormones, vasopressin, and oxytocin. Ficek W. **Gegenbaurs Morphol Jahrb** 1983;129(4):445–58

Physiological dependency between the hypothalamus and the thymus of Wistar rats. V. 3H-thymidine incorporation by the organotypic culture of thymus in the presence of serotonin. Ficek W. **Gegenbaurs Morphol Jahrb** 1983; 129(5):649–57

Effect of a thymus fraction on the haematic ApoB of rats fed on a diet rich in cholesterol. Mondola P, et al. **Horm Metab Res** 1983 Oct;15(10):518–9

Recruitment of thymocytes from G1 into S phase by a thymic factor. Söder O, et al. **Int Arch Allergy Appl Immunol** 1984; 74(2):186–92

Patterns of thymic regeneration in rats after single or divided doses of cyclophosphamide. Milićević NM, et al. **J Comp Pathol** 1984 Apr;94(2):197–202

Restriction of regenerative capacity of the rat thymus after the application of cyclophosphamide. Milićević NM, et al. **J Comp Pathol** 1984 Jul;94(3):425–31

Physiology of B cells in mice with X-linked immunodeficiency. II. Influence of the thymus and mature T cells on B cell differentiation. Sprent J, et al. **J Exp Med** 1984 Jul 1;160(1):335–40

Estrogen and thymic hormone interactions in the female mouse. Allen LS, et al. **J Reprod Immunol** 1984 Jan; 6(1):25–37

Reactivity of thymic metallophilic cells during the regeneration after the application of cyclophosphamide. Milićević NM, et al. **J Reticuloendothel Soc** 1983 Dec; 34(6):501–7

Dihydrotestosterone regulation of thymocyte function in the rat mediation by serum factors. Grossman CJ, et al. **J Steroid Biochem** 1983 Oct;19(4):1459–67

Structural and cell population changes in the lymph nodes of the athymic nude mouse. Sainte-Marie G, et al. **Lab Invest** 1983 Oct;49(4):420–9

The thymus–brain connection: interactions between thymosin and the neuroendocrine system. Hall NR, et al. **Lymphokine Res** 1983;2(1):1–6

DNA repair in thymocytes of mice undergoing thymic involution. Small M, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):337–45

Enhancement of leukemia and mammary tumor development in ICRC mice with subcapsular graft of neonatal thymus. Pai SR, et al. **Neoplasma** 1984;31(3):259–62

Thymus–independent crypt hyperplasia and villous atrophy in the small intestine of mice infected with the trematode Echinostoma revolutum. Bindseil E, et al. **Parasitology** 1984 Jun;88 (Pt 3):431–8

Immunogenetics and longevity. Watson AL, et al. **Prog Clin Biol Res** 1983;133:77–88

The thymus–adrenal connection: thymosin has corticotropin–releasing activity in primates. Healy DL, et al. **Science** 1983 Dec 23;222(4630):1353–5

Seasonal cyclic changes in the thymus gland of the adult frog, Rana temporaria. Płytycz B, et al. **Thymus** 1983 Sep; 5(5–6):327–44

Effect of intrauterine thymectomy on granulation tissue formation. An experimental study. Savunen T, et al. **Thymus** 1983 Sep;5(5–6):399–405

[Effect of the thymus and the thymic extract thymosin on the copper content in the serum of guinea pigs under cholesterol loading] Aleksiev A, et al. **Eksp Med Morfol** 1983;22(1):20–4 (Eng. Abstr.) **(Bul)**

[Changes in the enzyme activity in the plasma of rats with endotoxic shock with and without thymectomy] Andreeva T, et al. **Eksp Med Morfol** 1983;22(1):11–5 (Eng. Abstr.) **(Bul)**

[The thymus and aging] Xu XX, et al. **Sheng Li Ko Hsueh Chin Chan** 1983 Jul;14(3):275–7 **(Chi)**

[The thymus micro-environment and T lymphocyte differentiation] Papiernik M. **Reprod Nutr Dev** 1984; 24(2):179–87 (28 ref.) (Eng. Abstr.) **(Fre)**

[Possible reasons for decrease in the proliferating activity of the rat thymus after a single injection of glucocorticoids] Muskhelishvili GD, et al. **Biokhimiia** 1983 Nov; 48(11):1914–20 (Eng. Abstr.) **(Rus)**

[Effect of pregnancy on the state of the hemostatic system in intact and thymectomized rats] Khyshova DR, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):26–8 (Eng. Abstr.) **(Rus)**

[Effect of T-activin on peripheral immunity organs in intact and thymectomized mice] Stetsenko ON, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):321–4 (Eng. Abstr.) **(Rus)**

[Effect of dexamethasone on the nature of the distribution of colonies produced by bone marrow and spleen CFUs in thymectomized mice] Moroz BB, et al. **Gematol Transfuziol** 1984 Apr;29(4):32–5 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on gastrin levels in the rat] Todorova M, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr;(2):55–7 (Eng. Abstr.) **(Rus)**

[Participation of the thymus in regulating the gastric secretory function in rats] Todorova M, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):39–41 (Eng. Abstr.) **(Rus)**

[Elimination of autologous X and Xa blood clotting factors from the circulation in intact and thymectomized rats] Tsybikov NN. **Patol Fiziol Eksp Ter** 1983 Nov–Dec; (6):9–11 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Comparison of early splenic changes associated with replication of viruses in murine monocytic macrophages. Kenyon AJ. **Am J Vet Res** 1984 May;45(5):1054–8

Anti-islet immunity and thymic dysfunction in the mutant diabetic C57BL/KsJ db/db mouse. Debray-Sachs M, et al. **Diabetes** 1983 Nov;32(11):1048–54

Thymic hormone deficiency in normal ageing and Down's syndrome: is there a primary failure of the thymus? Fabris N, et al. **Lancet** 1984 May 5;1(8384):983–6

The role of prothymocytes in radiation-induced leukemogenesis in C57BL/Rij mice. van Bekkum DW, et al. **Leuk Res** 1984;8(3):461–71

[Spleen and thymus lymphoid tissue in hypoxia (a biometric study)] Fedulov OI. **Arkh Anat Gistol Embriol** 1984 Feb; 86(2):81–5 (Eng. Abstr.) **(Rus)**

[Elective detection of thymus epithelium and assessment of the degree of functional and pathological involution of the organ in mice] Beletskaia LV, et al. **Biol Nauki** 1984; (2):108–12 (Eng. Abstr.) **(Rus)**

[Changes in purine metabolism and in the immune response in the thymic and splenic lymphocytes of C3HA mice during chemical hepatocarcinogenesis] Khramtsova SN, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):217–20 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

On the degradation of chromatin to nucleosomes in the thymocytes of X-irradiated mice. Matyášová J, et al. **Folia Biol (Praha)** 1984;30(2):123–36

Effect of ionizing radiation on the development of the thymus gland. Bartel H, et al. **Folia Morphol (Warsz)** 1984; 43(1):1–17

Appearance of cell fragments in thymus after a whole-body X-irradiation of rat. Ohyama H, et al. **Scan Electron Microsc** 1983;(Pt 3):1339–43

[Recovery of hematopoiesis in mice following a continuous irradiation with a dose rate of 0.957 Gy/d and a total accumulated dose of 19.14 Gy. I. Bone marrow, spleen and thymus gland] Macková N, et al. **Folia Haematol (Leipz)** 1983;110(4):564–71 (Eng. Abstr.) **(Ger)**

[Comparative studies on the DNA synthesis of rat thymus and spleen cells in vitro under the influence of x rays, UV light and radiomimetic compounds] Tempel K, et al. **Strahlentherapie** 1984 Jun;160(6):386–93 (Eng. Abstr.) **(Ger)**

[Radiosensitivity of thymocytes and bone marrow cells of the lymphoid series based on data from a study of the kinetics of spontaneous chemiluminescence] Baraboĭ VA, et al. **Radiobiologiia** 1984 May–Jun;24(3):305–9 (Eng. Abstr.) **(Rus)**

[Metabolic disorder of various protein fractions in the thymocytes of irradiated rats (an electrophoretic analysis and proteins interacting with DNA] Domashenko AD, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):76–9 (Eng. Abstr.) **(Rus)**

[Changes in the composition of phospholipids bound to supramolecular DNA of the thymus and liver in gamma-irradiated rats] Krasichkova ZI, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):451–5 (Eng. Abstr.) **(Rus)**

[Analysis of DNA degradation in the thymocytes of irradiated rats by flow cytometry] Pechatnikov VA, et al. **Radiobiologiia** 1984 Jul–Aug;24(4):439–44 (Eng. Abstr.) **(Rus)**

[Fluorometric analysis of the formation and repair of DNA breaks in irradiated cells] Riabchenko NI, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):154–7 (Eng. Abstr.) **(Rus)**

[Comparison of the structure and catabolism of rat thymus DNA exposed to tritium oxide and gamma-radiation in equal doses] Rusinova GG, et al. **Radiobiologiia** 1984 May–Jun;24(3):344–7 (Eng. Abstr.) **(Rus)**

[Structure and repair of rat thymus DNA during long-term irradiation] Rusinova GG, et al. **Radiobiologiia** 1983 Sep–Oct;23(5):603–6 (Eng. Abstr.) **(Rus)**

[Postirradiation changes in the cGMP system of the mouse thymus and liver] Rybalkin SD, et al. **Radiobiologiia** 1983 Sep–Oct;23(5):612–5 (Eng. Abstr.) **(Rus)**

[Changes in the pyrimidine blocks of thymic DNA immediately after gamma irradiation of the animal in a sublethal dosage] Vetchinkina AA, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):63–6 (Eng. Abstr.) **(Rus)**

[Characteristics of chromatin breakdown in the rat thymus after exposure to fast neutrons and gamma rays] Vodolazskaia NA. **Radiobiologiia** 1984 Jan–Feb;24(1):66–9 (Eng. Abstr.) **(Rus)**

[Relation between various cytological parameters of cultured irradiated thymus cells] Zherbin EA, et al. **Radiobiologiia** 1983 Nov–Dec;23(6):824–6 (Eng. Abstr.) **(Rus)**

[Comparison of the effects of single-dose and continuous irradiation on changes in histones and DNA in the rat thymus] Süliová J, et al. **Bratisl Lek Listy** 1983 Dec; 80(6):661–8 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Pitfalls to avoid: a chest mass in a tachypneic child. Patriquin HB. **J Can Assoc Radiol** 1983 Dec;34(4):301–2

Symposium on Nonpulmonary Aspects in Chest Radiology. The thymus. Day DL, et al. **Radiol Clin North Am** 1984 Sep;22(3):519–38 (104 ref.)

[Thymic cyst—a case report and review of literature] Ikeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep; 31(9):1473–8 (Eng. Abstr.) **(Jpn)**

[Diagnostic possibilities of pneumomediastinography and selective phlebography in the evaluation of the development of the thymus gland in myasthenia gravis] Vasil'ev VN, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug; (4):41–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Radionuclide study of the thymus gland in myasthenia patients] Lobzin VS, et al. **Zh Nevropatol Psikhiatr** 1983; 83(11):1645–50 (Eng. Abstr.) **(Rus)**

SECRETION

Thymic hormone containing cells. IV. Fluctuations in the thyroid hormone levels in vivo can modulate the secretion of thymulin by the epithelial cells of young mouse thymus. Savino W, et al. **Clin Exp Immunol** 1984 Mar;55(3):629–35

Role of growth factors during normal and neoplastic intrathymic development. Waksal SD, et al. **Surv Immunol Res** 1984;3(1):25–8 (16 ref.)

[In vitro regulation of the secretion of thymulin (STF) by human thymic epithelial cells] Cohen S, et al. **C R Seances Acad Sci [III]** 1983;297(2):63–5 (Eng. Abstr.) **(Fre)**

SURGERY

[A voluminous mediastinal tumor can be excised by cervicotomy] Ane P, et al. **J Fr Otorhinolaryngol** 1984 Jan; 33(1):49–51 **(Fre)**

TRANSPLANTATION

Abnormal B-cell proliferation associated with combined immunodeficiency, cytomegalovirus, and cultured thymus grafts. Dictor M, et al. **Am J Clin Pathol** 1984 Oct; 82(4):487–90

Thymus transplantation. Hong R. **Birth Defects** 1983; 19(3):259–65 (37 ref.)

European experience with fetal tissue transplantation in severe combined immunodeficiency (SCID). Touraine JL. **Birth Defects** 1983;19(3):139–42

Successful transplantation across major histocompatibility barrier of deoxyguanosine-treated embryonic thymus expressing class II antigens. Ready AR, et al. **Nature** 1984 Jul 19–25;310(5974):231–3

Immuno-reconstitution by thymic transplant in DiGeorge's syndrome. Daga SR, et al. **Postgrad Med J** 1984 Aug; 60(706):537–9

Transplantation of cultured thymic fragments: results in nude mice. V. Reconstitution with xenogeneic (rat) thymic tissue. Manning JK, et al. **Scand J Immunol** 1984 May; 19(5):403–10

Transplantation of cultured thymic fragments: results in nude mice. IV. Effect of amount of thymic tissue. Manning JK, et al. **Thymus** 1983 Sep;5(5–6):407–17

Induction of T cell differentiation in early-thymectomized Xenopus by grafting adult thymuses from either MHC-matched or from partially or totally MHC-mismatched donors. Nagata S, et al. **Thymus** 1984; 6(1–2):89–103

[Transplantation of embryonic hematopoietic and lymphoid organs and cells in the treatment of hematologic diseases] Kargin VD, et al. **Gematol Transfuziol** 1983 Jul;28(7):16–22 (Eng. Abstr.) **(Rus)**

[Long-term effects of sublethal radiation doses and modifying factors on the state of immunological indices in mice] Kirillova EN. **Radiobiologiia** 1984 May–Jun;24(3):321–4 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Effect of triton X-100 on cytochemical and ultrastructural pattern of chromatin. Erenpreisa J, et al. **Acta Morphol Hung** 1983;31(4):387–93

Effects of adriamycin on supercoiled DNA and calf thymus nucleosomes studied with fluorescent probes. Simpkins H,

et al. **Cancer Res** 1984 Feb;44(2):613–8

Granules of Langerhans cells in the thymus contain gold. Warchol JB, et al. **Experientia** 1984 Jan 15;40(1):75–6

The differential effects produced by cis- and trans-DDP on DNA in calf thymus nucleosomes. Simpkins H, et al. **FEBS Lett** 1984 Apr 9;169(1):30–4

Cytoarchitecture of the thymus gland of the adult frog (Rana temporaria). Bigaj J, et al. **Folia Histochem Cytochem (Krakow)** 1984;22(1):63–9

The localization of histochemical and autoradiographic products in the scanning electron microscope by means of atomic number contrast. Bowen ID, et al. **Histochem J** 1983 Dec;15(12):1191–202

Electron microscopy of rat thymus chromatin in hypotonic & isotonic nuclear spreads. Erenpreisa J. **Indian J Exp Biol** 1983 Apr;21(4):159–64

Higher-order structure of chromatin from resting cells. I. Electron microscopy of chromatin from calf thymus. Cavazza B, et al. **J Cell Sci** 1983 Jul;62:81–102

Fine structure of the thymus in the adult cling fish Sicyases sanguineus (Pisces, Gobiesocidae). Gorgollon P. **J Morphol** 1983 Jul;177(1):25–40

Studies on the mechanism of glucocorticoid hormone induced alterations in rat thymic transcription—I. Evidence from reconstituted cross-over transcription assays that sequential increases and decreases in transcription are due to changes in the activity of RNA polymerase II rather than in the activity of chromatin template. Buss WC, et al. **J Steroid Biochem** 1983 Dec;19(6):1695–703

THYMUS HORMONES

Conformational properties of the pentapeptide fragment [32–36] of the thymic hormone thymopoietin. Tourwé D, et al. **Int J Pept Protein Res** 1984 Jan;23(1):84–93

ADMINISTRATION & DOSAGE

Comparative efficacy of various routes of administration of thymopentin (TP-5) with consideration of degradative mechanisms. Audhya T, et al. **Int J Pept Protein Res** 1983 Aug;22(2):187–93

Thymopentin (TP-5) potency in vivo is enhanced by slow infusion. Audhya T, et al. **Int J Pept Protein Res** 1983 Nov;22(5):568–72

[Use of thymalin in treating severe forms of inflammatory diseases of the maxillofacial area] Solov'ev MM, et al. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):19–22 (Eng. Abstr.) **(Rus)**

[Splenin phonophoresis in the complex treatment of patients with vasomotor and allergic rhinitis] Potapova RG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):53–4 **(Rus)**

[Clinico-immunologic changes in patients with cervical cancer after treatment with thymalin] Dekster LI, et al. **Vopr Onkol** 1984;30(3):29–32 (Eng. Abstr.) **(Rus)**

ANALYSIS

Thymic hormone-containing cells. V. Immunohistological detection of metallothionein within the cells bearing thymulin (a zinc-containing hormone) in human and mouse thymuses. Savino W, et al. **J Histochem Cytochem** 1984 Sep;32(9):942–6

Radioimmunoassay of serum thymic factor (FTS). Ikeyama S, et al. **J Immunoassay** 1984;5(1–2):87–97

BLOOD

Immunoassay for bovine serum thymopoietin: discrimination from splenin by monoclonal antibodies. Fuccello A, et al. **Arch Biochem Biophys** 1984 Jan;228(1):292–8

CHEMICAL SYNTHESIS

A pioneer synthesis of conjugates of a thymic peptide hormone and polyamines. Shieh HM, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):21–7

Immuno-regulating peptides, I. Synthesis and structure-activity relationships of thymopentin analogs. Kisfaludy L, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug;364(8):933–40

DEFICIENCY

Thymic hormone deficiency in normal ageing and Down's syndrome: is there a primary failure of the thymus? Fabris N, et al. **Lancet** 1984 May 5;1(8384):983–6

DIAGNOSTIC USE

[Significance of thymalin, dekaris and theophylline tests in evaluating T-lymphocytes] Uspenskiĭ VM, et al. **Lab Delo** 1984;(6):332–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Influence of thymic hormones on mitogen-induced interferon production in lymphocytes. I. Augmentation of mitogen-induced immune interferon production by thymosin. Rentz E, et al. **Arch Geschwulstforsch** 1983; 53(6):547–50

In vitro stimulation of T-cell rosette formation by antiserum to thymus factor in Hodgkin's disease. Zółtowska A, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):51–7

Production of anti-thymulin (FTS) monoclonal antibodies by immunization against human thymic epithelial cells. Berrih S, et al. **J Histochem Cytochem** 1984 Apr;32(4):432–8

Autoimmune mice develop antibodies to thymic hormone: production of anti-thymulin monoclonal autoantibodies from diabetic (db/db) and B/W mice. Dardenne M, et al. **J Immunol** 1984 Aug;133(2):740–3

Alloreactivity. I. Effects of age and thymic hormone treatment on cell-mediated immunity in C57Bl/6NNia mice. Ghanta VK, et al. **Mech Ageing Dev** 1983 Jul-Aug; 22(3–4):309–19

Regulatory effects of thymus humoral factor on T cell growth factor in aging mice. Grinblat J, et al. **Mech Ageing Dev** 1983 Jul-Aug;22(3–4):209–18

METABOLISM

Studies on the zinc binding site to the serum thymic factor. Gastinel LN, et al. **Biochim Biophys Acta** 1984 Feb 14; 797(2):147–55

PHARMACODYNAMICS

Influence of thymic hormones on mitogen-induced interferon production in lymphocytes. II. Enhancement of Con-A-induced immune interferon production by a synthetic thymopoietin pentapeptide. Rentz E, et al. **Arch Geschwulstforsch** 1984;54(2):113–8

Effect of a thymic factor on T lymphocytes in B cell chronic lymphocytic leukemia: in vitro and in vivo studies. Lauria F, et al. **Blood** 1984 Sep;64(3):667–71

Regulation of glycoprotein synthesis by thymic hormones in human thymocytes. Ramagopal S. **Cell Biol Int Rep** 1983 Dec;7(12):989–96

Effects of an immunomodulating agent on peripheral blood lymphocytes and subgingival microflora in ligature-induced periodontitis. Manti F, et al. **Infect Immun** 1984 Jul;45(1):172–9

Effect of a synthetic thymic factor (facteur thymique serique) on natural killer cell activity in humans. Dokhelar MC, et al. **Int J Immunopharmacol** 1983;5(4):277–82

Thymic hormonal activity on human peripheral blood lymphocytes, in vitro. V. Effect on induction of lymphocytotoxicity. Shoham J, et al. **Int J Immunopharmacol** 1983;5(6):523–32

Thymic hormonal activity on human peripheral blood lymphocytes, in vitro. IV. Proliferative response to allogeneic tumor cells in healthy adults and cancer patients. Shoham J, et al. **Int J Immunopharmacol** 1983;5(6):515–22

In vitro prostaglandin release from guinea pig parenchymal lung tissues is not stimulated by thymic peptides. Steel LK, et al. **Int J Immunopharmacol** 1984;6(1):75–80

The activity of synthetic analogs of serum thymic factor (FTS) to convert mouse pre-T cells into Thy-1 positive cells. Yoshida T, et al. **Int J Immunopharmacol** 1984; 6(2):141–6

Thymopentin as adjuvant in non-responders or hyporesponders to hepatitis B vaccination [letter] Záruba K, et al. **Lancet** 1983 Nov 26;2(8361):1245

The effect of thymic humoral factor on intracellular lymphocyte cyclic AMP in alcoholic liver disease. Barlas N, et al. **Thymus** 1983 Sep;5(5–6):433–7

In vitro enhancement of bone marrow natural killer cells after incubation with thymopoietin32–36 (TP-5). Fiorilli M, et al. **Thymus** 1983 Sep;5(5–6):375–82

Contrasting effects of thymopentin and splenopentin on the capacity of female mice to reject syngeneic male skin. Goldberg EH, et al. **Transplantation** 1984 Jul;38(1):52–5

[Study on the thymic lymphocytes in the rats treated with bladder cancer-inducing BBN—in vitro effect of the thymus humoral factor] Wada S. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):821–33 (Eng. Abstr.) **(Jpn)**

[Effect of thymalin on the thymus and immunologic indices of irradiated animals] Grintsevich II, et al. **Radiobiologiia** 1984 Jul-Aug;24(4):537–40 (Eng. Abstr.) **(Rus)**

[Differentiation of stem cells from different parts of the hematopoietic system of adult thymectomized CBA mice stimulated with thymarin or cortexine] Popov BV, et al. **Radiobiologiia** 1984 Mar-Apr;24(2):252–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

In vivo inhibition by intact mouse serum of the activity of the flavivirus-induced T-suppressors of autoreactive T-lymphocytes. Khozinsky VV, et al. **Acta Virol (Praha)** 1984 May;28(3):212–7

The thymic factor system. Renoux G. **Biomed Pharmacother** 1983;37(9–10):433–40 (116 ref.)

In vivo and in vitro studies of thymulin in marginally zinc-deficient mice. Dardenne M, et al. **Eur J Immunol** 1984 May;14(5):454–8

Thymic hormones and syngeneic T-lymphocytes are not required for leukopoiesis in an in vivo culture system for mouse bone marrow cells. Benestad HB, et al. **Exp Hematol** 1984 Jun;12(5):319–25

Biochemical and immunological differentiation of human thymocytes induced by thymic hormones. Ho AD, et al. **Immunology** 1983 Nov;50(3):471–6

Recruitment of thymocytes from G1 into S phase by a thymic factor. Söder O, et al. **Int Arch Allergy Appl Immunol** 1984; 74(2):186–92

Dihydrotestosterone regulation of thymocyte function in the rat mediation by serum factors. Grossman CJ, et al. **J Steroid Biochem** 1983 Oct;19(4):1459–67

Suppressor cell phenotype deficiency and its restoration by thymopoietin pentapeptide in atopic dermatitis. Kang K, et al. **Monogr Allergy** 1983;18:181–5 (20 ref.)

Contrasting biological activities of thymopoietin and splenin, two closely related polypeptide products of thymus and spleen. Audhya T, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2847–9

[Participation of the cyclase system in the molecular mechanisms of differentiation control of immunocompetent cells] Kozhemiakin AL, et al. **Biokhimiia** 1984 Apr; 49(4):658–66 (Eng. Abstr.) **(Rus)**

SECRETION

Thymic hormone containing cells. IV. Fluctuations in the thyroid hormone levels in vivo can modulate the secretion of thymulin by the epithelial cells of young mouse thymus. Savino W, et al. **Clin Exp Immunol** 1984 Mar;55(3):629–35

[In vitro regulation of the secretion of thymulin (STF) by human thymic epithelial cells] Cohen S, et al. **C R Seances Acad Sci [III]** 1983;297(2):63–5 (Eng. Abstr.) **(Fre)**

[Endocrine function of the thymus in young children with thymomegaly] Tiazhkaia AV, et al. **Pediatriia** 1983 Sep; (9):24–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of cutaneous T-cell lymphomas with TP-5. Evaluation of the clinical effect in 8 patients. Przybilla B, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):524–9

Thymuline (FTS) in rheumatoid arthritis [letter] Amor B, et al. **Arthritis Rheum** 1984 Jan;27(1):117–8

Therapy with thymopoietin pentapeptide (TP-5) in 26 patients with primary immunodeficiencies. Aiuti F, et al. **Birth Defects** 1983;19(3):267–72

Immunologic reconstitution with bone marrow transplantation and thymic hormones in two patients with severe pure T-cell defects. Businco L, et al. **Birth Defects** 1983;19(3):281–5

Effect of synthetic thymic hormone (TP5) in children with T-cell immunodeficiencies. Levinsky RJ, et al. **Birth Defects** 1983;19(3):273–6

Biologicals and biological response modifiers: fourth modality of cancer treatment. Oldham RK. **Cancer Treat Rep** 1984 Jan;68(1):221–32

A controlled trial of treatment of acquired immunodeficiency in severe measles with thymic humoral factor. Beatty DW, et al. **Clin Exp Immunol** 1984 Jun;56(3):479–85

Marked reduction of DNA antibody production and glomerulopathy in thymulin (FTS-Zn) or cyclosporin A treated (NZB X NZW) F1 mice. Israel-Biet D, et al. **Clin Exp Immunol** 1983 Nov;54(2):359–65

Thymopoietin pentapeptide treatment of sarcoidosis [letter] Thivolet J, et al. **J Am Acad Dermatol** 1983 Nov;9(5):773–4

The immunomodulating effect of TP5 and indomethacin in burn-induced hypoimmunity. Maghsudi M, et al. **J Surg Res** 1984 Aug;37(2):133–8

Biological response modifiers and their promise in clinical medicine. Attallah AM, et al. **Pharmacol Ther** 1982; 19(3):435–54 (148 ref.)

Prospective uses of thymic hormones in cancer. Trainin N, et al. **Prog Clin Biol Res** 1983;132E:297–304

[Therapeutic effect of calf thymin on 35 cases of epidemic hemorrhagic fever] Xing GH. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):297–300 (Eng. Abstr.) **(Chi)**

[Thymic hormones] Wilczek H. **Cas Lek Cesk** 1984 Jan 20; 123(3):78 **(Cze)**

[Treatment of recurrent herpes simplex with thymopoietin-pentapeptide] Djawari D, et al. **Dtsch Med Wochenschr** 1984 Mar 30;109(13):496–8 (Eng. Abstr.) **(Ger)**

[Therapy of recurrent oral aphthae with thymopoetin pentapeptide] Djawari D, et al. **Hautarzt** 1983 Sep; 34(9):463–4 (Eng. Abstr.) **(Ger)**

[Thymalin as a modulator of immunogenesis and hemostasis] Kuznik BI, et al. **Farmakol Toksikol** 1984 Jan-Feb; 47(1):67–71 (Eng. Abstr.) **(Rus)**

[Treatment with thymalin of severe and recurring forms of viral hepatitis] Kuznik BI, et al. **Klin Med (Mosk)** 1983 Nov;61(11):109–13 **(Rus)**

[Clinico-experimental basis for using thymalin in osteomyelitis and suppurative-inflammatory diseases of soft tissues in children] Solov'ev MM, et al. **Pediatriia** 1983 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

[Immunological disorders and their correction with thymalin in the surgical treatment of patients with 1st and 2nd branchial arch syndromes] Kotov GA, et al. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):43–4 (Eng. Abstr.) **(Rus)**

[Use of thymalin in trauma patients] Gurevich KIa, et al. **Vestn Khir** 1984 Feb;132(2):52–4 (Eng. Abstr.) **(Rus)**

[Use of thymalin and kontrikal in the treatment of patients with injuries of the abdominal organs] Salamatin BN, et al. **Vestn Khir** 1983 Sep;131(9):81–5 (Eng. Abstr.) **(Rus)**

[Changes in histamine metabolism during treatment of hepatitis B patients with splenin] Mitchenko IK, et al. **Vrach Delo** 1984 May;(5):120–1 (Eng. Abstr.) **(Rus)**

[Use of the immunomodulator thymalin in the treatment of nonspecific ulcerative colitis] Shakhnazarov AA, et al.

Vrach Delo 1984 Mar;(3):19–22 (Eng. Abstr.) (Rus)
[Use of a thymus polypeptide preparation to diagnose and correct immune deficiency states in multiple sclerosis] Golovkin VI, et al. Zh Nevropatol Psikhiatr 1984; 84(2):179–82 (Eng. Abstr.) (Rus)

THYMUS HYPERPLASIA

IMMUNOLOGY

Characterization of thymus cells in hyperplastic thymuses in patients with myasthenia gravis and ulcerative colitis with monoclonal antibodies. Aiso S, et al. J Clin Lab Immunol 1984 Mar;13(3):137–9
[Cellular and humoral immunological reactivity in young children with thymomegaly and pneumonia] Guseinov ShG, et al. Pediatriia 1984 Jan;(1):19–21 (Eng. Abstr.) (Rus)

PATHOLOGY

Massive thymic hyperplasia in infants. Lamesch AJ. Z Kinderchir 1983 Feb;38(1):16–8

RADIOGRAPHY

The CT detection of thymic hyperplasia in association with thyrotoxicosis: case report. Sandler M, et al. Comput Radiol 1983 Nov–Dec;7(6):365–8
[Radiologic diagnosis of the mediastinum in childhood] Willich E. Rontgenpraxis 1983 Dec;36(12):404–12 (Ger)

SURGERY

[Personal experience in thymus surgery] Dolinescu C, et al. Rev Med Chir Soc Med Nat Iasi 1983 Jul–Sep;87(3):411–7 (Eng. Abstr.) (Rum)

THYMUS-INDEPENDENT ANTIGENS see ANTIGENS, T-INDEPENDENT

THYMUS NEOPLASMS

Thymoma: unusual case and review of the literature. Garfield GC. J Med Soc NJ 1983 Oct;80(10):826–8
[Thymus tumors. Considerations on 249 surgical cases] Maggi G. Minerva Chir 1984 Jan 15–31;39(1–2):1–4 (Ita)

ANALYSIS

Stabilization of glucocorticoid-receptor complexes in rat thymus cytosol by a factor from WEHI-7 cells. Holbrook NJ, et al. J Steroid Biochem 1984 Jan;20(1):245–50

CHEMICALLY INDUCED

Development of thymic lymphomas by oral administration of N-nitroso-N-propylurea and establishment of transplantable lines of thymic lymphoma in F344 rats. Sakura Y, et al. JNCI 1984 Sep;73(3):757–62
[Influence of age at start of the treatment on induction of F344 rat thymic lymphoma by N-propyl-N-nitrosourea (PNU)] Matsuoka C, et al. Eisei Shikenjo Hokoku 1983; (101):61–5 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Myasthenia gravis with thymoma: analysis of and postoperative prognosis for 65 patients with thymomatous myasthenia gravis. Monden Y, et al. Ann Thorac Surg 1984 Jul;38(1):46–52
Bullous pemphigoid, myasthenia gravis, and thymoma. James WD. Arch Dermatol 1984 Mar;120(3):397
RBC fragmentation and thymoma. Rauch AE, et al. Arch Intern Med 1984 Jun;144(6):1280–2
Thymic carcinoid tumor with Cushing's syndrome. Report of a case with electron microscopic and immunoperoxidase studies for neuron-specific enolase and corticotropin. Huntrakoon M, et al. Arch Pathol Lab Med 1984 Jul; 108(7):551–4
Association of subacute motor neuronopathy with thymoma. Stoll DB, et al. Cancer 1984 Aug 15;54(4):770–2
Psychosis associated with thymoma. Ananth J, et al. J Nerv Ment Dis 1984 Sep;172(9):556–8
Thymolipoma in association with late-onset myasthenia gravis [letter] Mikkelsen B. J Neurol Neurosurg Psychiatry 1984 Feb;47(2):216–7
Myasthenia gravis: difference between thymoma-associated antibodies and cross-striational skeletal muscle antibodies. Gilhus NE, et al. Neurology (NY) 1984 Feb;34(2):246–9
Steroid therapy in inappropriate secretion of antidiuretic hormone due to malignant thymoma. Almog C, et al. Respiration 1983;44(5):382–6
[An intrathoracic tumor and skin lesions (benign thymoma and pemphigus)] van Joost T, et al. Ned Tijdschr Geneeskd 1984 Jun 9;128(23):1095–7 (Eng. Abstr.) (Dut)
[Association of polymyositis, myasthenia, and thymoma. A case and review of the literature] Weiller PJ, et al. Ann Med Interne (Paris) 1984;135(4):299–304 (Eng. Abstr.) (Fre)
[Association of thymoma and Hashimoto's thyroiditis. Fortuitous association or immunologic disease? (letter)] Sebillotte P, et al. Presse Med 1984 Feb 11;13(5):284–5 (Fre)
[Coexistence of thymoma, myasthenia gravis, thyroid carcinoma and breast dysplasia: apropos of a case] De Giovanni L, et al. Chir Patol Sper 1982 Aug;30(4):143–6 (Eng. Abstr.) (Ita)
[Association of malignant thymoma, pemphigus and multiple cutaneous parasitic infections] Monti M, et al. G Ital Dermatol Venereol 1983 Sep–Oct;118(5):301–4 (Eng. Abstr.) (Ita)
[Thymoma associated with erythroblastopenia and hypogammaglobulinemia with an increase in the T8+ lymphocyte subpopulation (letter)] Estivill X, et al. Med Clin (Barc) 1984 Feb 25;82(7):334 (Spa)
[Pure red cell aplasia secondary to a thymoma: apropos of a case] Frau A, et al. Med Clin (Barc) 1983 Oct 1; 81(9):394–5 (Eng. Abstr.) (Spa)

DIAGNOSIS

Mediastinal tumor causing continuous murmur. Cooke M, et al. Am Heart J 1984 Jun;107(6):1282–4
Visualization of pericardial thymoma and evaluation of chemotherapy by two-dimensional echocardiography. Iliceto S, et al. Am Heart J 1984 Mar;107(3):605–6
The diagnosis of thymoma in myasthenia gravis. Aarli JA. Ital J Neurol Sci 1983 Dec;4(4):393–7
Thymoma in pregnancy. Argubright KF, et al. Obstet Gynecol Surv 1984 Apr;39(4):185–91
Carcinoid tumor of the thymus. Kogan J. Postgrad Med 1984 Jan;75(1):291–6
[Diagnosis and therapeutic aspects of epithelial thymomas] Alberti W, et al. Strahlentherapie 1984 Mar;160(3):144–53 (Eng. Abstr.) (Ger)
[Mucoepidermoid tumor of the thymus gland] Vasil'ev VN, et al. Arkh Patol 1984;46(6):67–9 (Eng. Abstr.) (Rus)
[Thymomas (clinico-roentgenological characteristics)] Vasil'ev VN, et al. Khirurgiia (Mosk) 1983 Nov;(11):28–32 (Eng. Abstr.) (Rus)
[Characteristics of thymomas and their prognosis] Pirogov AI, et al. Sov Med 1983;(12):99–102 (Rus)
[A case of atypical site of thymoma] Loviagin EV, et al. Vestn Rentgenol Radiol 1983 Jul–Aug;(4):80–1 (Rus)

DRUG THERAPY

Chemotherapy for malignant thymoma [letter] Chahinian AP, et al. Ann Intern Med 1983 Nov;99(5):736
High-dose adriamycin (ADM) and cis-platinum (DDP) in advanced soft-tissue sarcomas and invasive thymomas. A pilot study. Klippstein TH, et al. Cancer Chemother Pharmacol 1984;13(2):78–81
[Antibody-controlled cytostatic therapy of malignant thymoma with concomitant myasthenia gravis] Schumm F, et al. Dtsch Med Wochenschr 1984 Aug 17; 109(33):1244–6 (Eng. Abstr.) (Ger)
[Potentiation by blastolysin of the effect of cyclophosphamide in preventing recurrence in mouse T-cell leukemia] Chertkova AI, et al. Biull Eksp Biol Med 1984 Jul; 97(7):57–9 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

A molecular approach to leukemogenesis: mouse lymphomas contain an activated c-ras oncogene. Guerrero I, et al. Proc Natl Acad Sci USA 1984 Jan;81(1):202–5
Isolation, characterization, and chromosome assignment of mouse N-ras gene from carcinogen-induced thymic lymphoma. Guerrero I, et al. Science 1984 Sep 7; 225(4666):1041–3

IMMUNOLOGY

Basophil and eosinophil deficiency in a patient with hypogammaglobulinemia associated with thymoma. Mitchell EB, et al. Birth Defects 1983;19(3):331
In vitro elicitation of cytotoxic response against a nonimmunogenic murine tumor by allosensitization. Leshem B, et al. Cancer Immunol Immunother 1984; 17(2):117–23
Leukemic transformation in hrs mice occurs in an immature-nonactivated thymocyte subpopulation. Tempelis LD. Cell Immunol 1984 Jan;83(1):142–51
The phenotype of lymphocytes in a thymoma as studied with monoclonal antibodies. Woda BA, et al. Clin Immunol Immunopathol 1984 Feb;30(2):197–201
Encephalopathy, peripheral neuropathy, dysautonomia, myasthenia gravis, malignant thymoma, and antiacetylcholine receptor antibodies in the CSF. Bogousslavsky J, et al. Eur Neurol 1983;22(5):301–6
Apparent alteration in MHC antigens in K36.16, an AKR thymoma, does not result in genetic rearrangement. Lewis CM, et al. Immunology 1983 Nov;50(3):433–40
Cell surface antigen phenotypes of MCF-induced thymic lymphomas in AKR mice. Yetter RA, et al. J Immunol 1984 May;132(5):2644–8
Thymic epithelial antigen, acquired during ontogeny and defined by the anti-p19 monoclonal antibody, is lost in thymomas. Savino W, et al. Lab Invest 1984 Sep; 51(3):292–6
Biological and biochemical properties of lymphokines produced by the EL 4 thymoma cell line. Benjamin WR, et al. Lymphokine Res 1983;2(1):33–6
IgG subclass distribution of myasthenia gravis thymoma-associated antiskeletal muscle antibodies. Smith CI, et al. Neurology (NY) 1984 Aug;34(8):1094–6
Monoclonal AKR/J thymic leukemias contain multiple JH immunoglobulin gene rearrangements. Herr W, et al. Proc Natl Acad Sci USA 1983 Dec;80(24):7433–6
The role of anti-tumor antibody in progressive tumor growth. Manson LA. Transplant Proc 1984 Apr;16(2):524–7
[Biermer's anemia, Hashimoto's thyroiditis, myasthenia and malignant thymoma. HLA B8, DR3, and DR5 antigens (letter)] Humbert P, et al. Presse Med 1984 Feb 18;13(7):439 (Fre)

METABOLISM

Phenothiazines cause a shift in the cAMP dose-response: selection of resistant variants in a murine thymoma line. Gruol DJ, et al. J Cell Physiol 1984 Apr;119(1):107–18
Biochemical study on spontaneous thymoma rats with motor dysfunction. Kato F, et al. J Pharmacobiodyn 1983 Apr; 6(4):275–9
Nonactivated and activated glucocorticoid-receptor complexes in WEHI-7 and rat thymus cells. Holbrook NJ, et al. J Steroid Biochem 1984 Jan;20(1):19–22

MICROBIOLOGY

Presence of prelymphoma cells in the bone marrow of the lymphomagenic virus-treated AKR mouse. Takeuchi H, et al. Cancer Res 1984 Mar;44(3):1008–11
Role of recombinant ecotropic and polytropic viruses in the development of spontaneous thymic lymphomas in HRS/J mice. Thomas CY, et al. J Virol 1984 May;50(2):397–407
Strong selection for cells containing new ecotropic recombinant murine leukemia virus provirus after propagation of C57BL/6 radiation-induced thymoma cells in vitro or in vivo. Jolicoeur P, et al. Mol Cell Biol 1983 Sep;3(9):1675–9
Cellular DNA region involved in induction of thymic lymphomas (Mlvi-2) maps to mouse chromosome 15. Tsichlis PN, et al. Mol Cell Biol 1984 May;4(5):997–1000
Rearrangement of a DNA sequence homologous to a cell-virus junction fragment in several Moloney murine leukemia virus-induced rat thymomas. Lemay G, et al. Proc Natl Acad Sci USA 1984 Jan;81(1):38–42
[The proviral genome of murine radioleukosis virus: molecular cloning, restriction analysis and integration sites in the DNA of tumor cells] Janowski M, et al. C R Soc Biol (Paris) 1984;178(2):183–94 (Eng. Abstr.) (Fre)

PATHOLOGY

Cytopathology of thymoma. Tao LC, et al. Acta Cytol (Baltimore) 1984 Mar–Apr;28(2):165–70
Thymoma. Craig JB, et al. Am Fam Physician 1984 Mar; 29(3):229–34
Thymoma: an immunohistochemical study. Chan WC, et al. Am J Clin Pathol 1984 Aug;82(2):160–6
A sarcoma of thymic stroma with features of liposarcoma. Havlíček F, et al. Am J Clin Pathol 1984 Aug;82(2):217–24
Immunohistochemical analysis of thymoma. Evidence for medullary origin of epithelial cells. Chilosi M, et al. Am J Surg Pathol 1984 Apr;8(4):309–18
Malignant transformation in a thymic cyst. Leong AS, et al. Am J Surg Pathol 1984 Jun;8(6):471–5
Disorders of the thymus. A review. Rosenow EC 3d, et al. Arch Intern Med 1984 Apr;144(4):763–70
An unusual case of thymolipoma with hamartomatous changes [letter] Jagadha V, et al. Arch Pathol Lab Med 1984 Aug;108(8):611–2
Thymoma: lymphoid and epithelial components mirror the phenotype of normal thymus. Mokhtar N, et al. Hum Pathol 1984 Apr;15(4):378–84
Sebaceous glands within the thymus: report of three cases. Wolff M, et al. Hum Pathol 1984 Apr;15(4):341–3
Clear cell thymoma in a dog. Mettler F, et al. J Comp Pathol 1984 Apr;94(2):315–7
Squamous carcinoma of the thymus. Chen KT. J Surg Oncol 1984 Jan;25(1):61–3
Malignant thymoma with distant metastases: a case report and review of the literature. Ichino Y, et al. Jpn J Clin Oncol 1983 Dec;13(4):733–9
Thymic nurse cells account for the thymus dependency of preleukemic cells in mice after inoculation of radiation leukemia virus. Houben-Defresne MP, et al. Leuk Res 1983; 7(5):575–80
Mediastinal mass in a young male. Blom P, et al. Ultrastruct Pathol 1983 Jun;4(4):391–5
Detection by S-100 immunolabelling of interdigitating reticulum cells in human thymomas. Lauriola L, et al. Virchows Arch [Cell Pathol] 1984;45(2):187–95
[Lympho-epithelial interactions in the thymus during development of radio-induced lymphomas in C57BL mice] Houben-Defresne MP, et al. C R Soc Biol (Paris) 1984; 178(2):195–202 (Eng. Abstr.) (Fre)
[Carcinoid tumor of the thymus: a new case] Terrioux P, et al. Poumon Coeur 1983;39(4):201–3 (Eng. Abstr.) (Fre)
[Primary lymphoepithelioma of the thymus] Lamoureux E, et al. Union Med Can 1984 Jan;113(1):28–9 (Fre)
[Clinical aspects and pathology of thymus carcinoids] Simon A, et al. Prax Klin Pneumol 1983 Oct;37 Suppl 1:847–50 (Eng. Abstr.) (Ger)
[Ovarian metastasis of a thymoma] Briese V, et al. Zentralbl Gynakol 1984;106(7):473–6 (Eng. Abstr.) (Ger)
[Human yolk sac tumor of the thymus heterotransplanted into nude mice] Takao S, et al. Gan No Rinsho 1983 Oct;

29(12):1398–408 (Eng. Abstr.) (Jpn)
[Malignant thymoma with multiple intracranial metastases. Case report.] Maeda Y, et al. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):129–34 (Eng. Abstr.) (Jpn)
[Thymoma] Blom GP, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1516–9 (Eng. Abstr.) (Nor)
[Carcinoid-like ACTH-active thymus tumor with adrenal hyperplasia and the Itsenko-Cushing syndrome] Sidorin VS. **Arkh Patol** 1984;46(7):58–62 (Eng. Abstr.) (Rus)
[Malignant papillary cystadenoma of the thymus in a 13-year-old boy] Bur'ianov AF, et al. **K'in Khir** 1984 May; (5):50–1 (Rus)

PHYSIOPATHOLOGY

Membrane permeability as a determinant of dexamethasone resistance in murine thymoma cells. Johnson DM, et al. **Cancer Res** 1984 Jun;44(6):2435–40
A new murine model system for the in vitro development of thymoma cell heterogeneity. MacLeod CL, et al. **Cancer Res** 1984 May;44(5):1784–90
Down-regulation of glucocorticoid receptors in mouse lymphoma cell variants. Danielsen M, et al. **Mol Cell Biol** 1984 Mar;4(3):449–53

RADIOGRAPHY

Spontaneous rupture of a thymic cyst demonstrated by computed tomography. Leibman AJ, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):550–2
Thymic cyst: computed tomography and ultrasound correlation. Dunne MG, et al. **J Comput Tomogr** 1983 Nov; 7(4):351–5
[Standard radiological examination of myasthenic patients. Reflections apropos of 200 cases] Blery M, et al. **Ann Radiol (Paris)** 1983 Jun-Jul;26(5):353–7 (Eng. Abstr.) (Fre)
[Radiological diagnosis of thymolipoma: considerations on 2 cases] Bonomo L, et al. **Radiol Med (Torino)** 1983 Sep; 69(9):678–80 (Ita)
[Role of radiotherapy in the management of thymoma] Miyata S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25;43(8):1044–52 (Jpn)
[Thymoma] Tada S. **Rinsho Hoshasen** 1984 Jan;29(1):171–2 (Jpn)
[Clinical significance of pneumomediastinography in thymic surgery] Kitano M, et al. **Rinsho Kyobu Geka** 1983 Jul; 3(4):458–63 (Eng. Abstr.) (Jpn)
[Value of radiological examination for obtaining reliable diagnosis of mediastinal tumors of thymic origin] Szymanowicz B. **Pol Przegl Radiol (Warszawa)** 1983 Jul-Aug;47(4):289–93 (Eng. Abstr.) (Pol)
[Case of a benign thymoma in a nursing infant] Shchiglik GM, et al. **Vestn Rentgenol Radiol** 1983 May-Jun;(3):86–7 (Rus)

RADIONUCLIDE IMAGING

[201T1-chloride imaging of malignant thymus neoplasm] Ayabe Z, et al. **Rinsho Hoshasen** 1984 Feb;29(2):341–2 (Jpn)

RADIOTHERAPY

Invasive carcinoma of the thymus. A multicenter retrospective review of 56 cases. Arriagada R, et al. **Eur J Cancer Clin Oncol** 1984 Jan;20(1):69–74
Management of patients with malignant thymoma. Cohen DJ, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):301–7
Tumor immunotherapy in the mouse with the use of 131I-labeled monoclonal antibodies. Zalcberg JR, et al. **JNCI** 1984 Mar;72(3):697–704

SECRETION

An ectopic, ACTH producing, oncocytic carcinoid tumor of the thymus: report of a case. Yamaji I, et al. **Jpn J Med** 1984 Feb;23(1):62–6

SURGERY

Exacerbation of myasthenia gravis after removal of a thymoma having a membrane phenotype of suppressor T cells. Kuroda Y, et al. **Ann Neurol** 1984 Apr;15(4):400–2
Mediastinal masses [letter] Mayhew JF, et al. **J Pediatr** 1983 Dec;103(6):1005
Results of surgical treatment for thymoma. Shamji F, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):43–7
Malignant thymoma associated with liposarcoma of the mediastinum—a case report. Okumori M, et al. **Jpn J Surg** 1983 Nov;13(6):512–8
[Surgical treatment of thymoma] Fujimura S, et al. **Kyobu Geka** 1983 Aug;36(8):619–24 (Eng. Abstr.) (Jpn)
[Successful management of Hodgkin's disease of the thymus] Yuzuriha H, et al. **Kyobu Geka** 1984 Jan;37(1):57–60 (Eng. Abstr.) (Jpn)
[Surgical management of recurrent carcinoid tumor of the thymus] Fujimura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Sep;31(9):1455–60 (Eng. Abstr.) (Jpn)
[Case of thymic carcinoid] Ogawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):930–5 (Eng. Abstr.) (Jpn)
[Carcinoid tumor of the thymus—a case report] Oguma F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2085–92 (Eng. Abstr.) (Jpn)
[A case of solitary thymoma of the left pulmonary hilus] Sai S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):268–71 (Eng. Abstr.) (Jpn)
[Surgical treatment of thymoma] Hashimoto M, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):418–23 (Eng. Abstr.) (Jpn)
[Surgical treatment of malignant thymomas associated with myasthenia gravis] Kurata N, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):616–22 (Eng. Abstr.) (Jpn)
[Myasthenia gravis developed after extirpation of thymoma] Obata S, et al. **Rinsho Kyobu Geka** 1983 Nov;3(6):729–33 (Eng. Abstr.) (Jpn)
[2 cases of malignant thymoma requiring reconstruction of the superior vena cava] Sakurai T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):431–6 (Eng. Abstr.) (Jpn)
[Results of surgical treatment of thymoma—including those of vascular reconstruction] Shimizu N, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):424–9 (Eng. Abstr.) (Jpn)
[Results in surgical treatment of thymoma] Tsubota N, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):412–7 (Eng. Abstr.) (Jpn)
[Case of primary thymic carcinoid] Yamashina H, et al. **Rinsho Kyobu Geka** 1983 May;3(3):333–6 (Eng. Abstr.) (Jpn)
[Personal experience in thymus surgery] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul-Sep;87(3):411–7 (Eng. Abstr.) (Rum)
[Residual thymus after surgical treatment of myasthenia] Vasil'ev VN, et al. **Sov Med** 1983;(10):32–6 (Eng. Abstr.) (Rus)

THERAPY

On the uncertainties encountered in treating medullary carcinoma: case report. Welling DR, et al. **Milit Med** 1984 Mar;149(3):146–7
[Thymic seminoma. Apropos of a case diagnosed in a woman] Cals L, et al. **Bull Cancer (Paris)** 1983;70(4):289–93 (Eng. Abstr.) (Fre)
[Therapeutic results in thymoma—with special reference to adjuvant therapy in the treatment of invasive thymoma] Watanabe Y, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):405–11 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Thymic carcinoid. A histologic, immunohistochemical, and ultrastructural study of 12 cases. Wick MR, et al. **Cancer** 1984 Feb 1;53(3):475–84
Morphologic characteristics of thymic lymphomas induced by N-nitroso-N-propylurea in F344 rats. Suzuki Y, et al. **JNCI** 1984 Feb;72(2):367–73

VETERINARY

Clinical and pathologic features of thymoma in 15 dogs. Aronsohn MG, et al. **J Am Vet Med Assoc** 1984 Jun 1; 184(11):1355–62
Malignant thymoma in a cat. Hauser B, et al. **J Comp Pathol** 1984 Apr;94(2):311–3

THYROCALCITONIN see **CALCITONIN**

THYROGLOBULIN

Molecular organization of 19 S calf thyroglobulin. Palumbo G, et al. **Arch Biochem Biophys** 1984 Aug 15;233(1):169–73
The isolation of identical thyroxine containing amino acid sequences from bovine, ovine and porcine thyroglobulins. Rawitch AB, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):423–9
The structure of a naturally occurring 10K polypeptide derived from the amino terminus of bovine thyroglobulin. Rawitch AB, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):335–42
Thyroglobulin structure-function: the effect of iodination on the structure of human thyroglobulin. Zabel KM, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):310–6
Structure-function relationship in thyroglobulin: amino acid sequence of two different thyroxine-containing peptides from porcine thyroglobulin. Marriq C, et al. **EMBO J** 1982; 1(4):397–401

ANALOGS & DERIVATIVES

Asialoagalactothyroglobulin binds to the surface of human thyroid cells at a site distinct from the 'microsomal' autoantigen. Roitt IM, et al. **Clin Exp Immunol** 1984 Apr; 56(1):129–34

ANALYSIS

Immunoreactive thyroglobulin-like material derived from saliva. Shah DH, et al. **Acta Endocrinol (Copenh)** 1983 Nov; 104(3):313–8
Immunoelectron microscopic localization of thyroglobulin in human follicular adenoma. Nakayama I, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1139–50
Immunoelectron microscopic localization of thyroglobulin (TG) in the thyroid gland in Basedow's disease. Nakayama I, et al. **Acta Pathol Jpn** 1983 May;33(3):523–35
Thyroid-associated antigens in routinely embedded carcinomas. Possibilities and limitations studied in 116 cases. Logmans SC, et al. **Cancer** 1984 Jul 15;54(2):274–9
Structural requirements for the binding of high-mannose-type glycopeptides to immobilized pokeweed Pa-2 lectin. Katagiri Y, et al. **Carbohydr Res** 1983 Aug 16;120:283–92
The differential diagnosis of cystic neck masses by the determination of thyroglobulin concentrations in the aspirates. Kawamura S, et al. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):261–7
Specificity of monoclonal antibodies against human thyroglobulin; comparison with autoimmune antibodies. Ruf J, et al. **EMBO J** 1983;2(10):1821–6
Structural changes of carbohydrate chains of human thyroglobulin accompanying malignant transformations of thyroid glands. Yamamoto K, et al. **Eur J Biochem** 1984 Aug 15;143(1):133–44
Iodine-induced changes in thyroglobulin half-sized subunits. Palumbo G, et al. **Experientia** 1983 Nov 15;39(11):1300–1
Immunocytochemical studies on differentiation of the thyroid gland in rabbit fetuses and chick embryos. Kameda Y. **Histochemistry** 1984;80(1):23–9
Thyroglobulin in carcinoma of the thyroid [letter] Burt AD, et al. **Hum Pathol** 1984 Feb;15(2):197–8
Occurrence of alpha-D-galactosyl residues in the thyroglobulins from several species. Localization in the saccharide chains of the complex carbohydrate units. Spiro RG, et al. **J Biol Chem** 1984 Aug 10;259(15):9858–66
[Comparison of quantity of thyroxine in thyroglobulin and the peptide hormones derived from chromatography and immunoenzyme assay] Lejeune PJ, et al. **C R Seances Acad Sci [III]** 1984;298(15):415–8 (Eng. Abstr.) (Fre)
[Measurement of thyroglobulin or 131iodine scintigraphy in the after-care of patients with differentiated thyroid cancer (letter)] Schatz H, et al. **Dtsch Med Wochenschr** 1983 Nov 11;108(45):1737–8 (Ger)
[Immunohistochemical localization of cytoskeletal proteins and thyroglobulin in thyroid micro cancers] Yagi S, et al. **Gan No Rinsho** 1984 Jun;30(7):765–71 (Eng. Abstr.) (Jpn)
[Chemical properties of thyroglobulin in thyroid tumors] Tarutani O. **Horumon To Rinsho** 1983 Aug;31(8):717–24 (Jpn)
[Thyroglobulin and cancer of the thyroid. VII. Study of homogenates of thyroid tumor tissue] Olea N, et al. **Rev Clin Esp** 1984 Jan 15;172(1):41–5 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

Influence of colchicine and vinblastine on the intracellular migration of secretory and membrane glycoproteins: II. Inhibition of secretion of thyroglobulin in rat thyroid follicular cells as visualized by radioautography after 3H-fucose injection. Wild G, et al. **Am J Anat** 1984 Aug; 170(4):531–43

BIOSYNTHESIS

Synthesis of thyroglobulin in thyroid carcinoma patients after radioiodine therapy. Jeevanram RK, et al. **Cancer** 1983 Dec 15;52(12):2240–4
Human undifferentiated thyroid carcinoma synthesizes and secretes 19S thyroglobulin. Monaco F, et al. **Cancer** 1984 Jul 1;54(1):79–83
Thyroglobulin and thyroid hormone synthesis. Cody V. **Endocr Res** 1984;10(1):73–88 (55 ref.)
[Thyroglobulin biosynthesis and the content of thyroglobulin polyribosomes of the thyroid gland cells in the normal state and in various types of thyroid pathology] Turakulov IaKh, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):38–41 (Eng. Abstr.) (Rus)
[Determination of the ratio of membrane-bound and free polyribosomes and of the content of thyroglobulin in these fractions in normal thyroid gland cells and in several types of thyroid diseases] Atakhanova BA, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):32–4 (Eng. Abstr.) (Rus)

BLOOD

Relationship between thyroid volume and serum thyroglobulin during long-term suppression with triiodothyronine in patients with diffuse non-toxic goitre. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):184–9
Concentration of plasma thyroglobulin and urinary excretion of iodinated material in the diagnosis of thyroid disorders in congenital hypothyroidism. Gons MH, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):27–34
A comparison of the effectiveness of 131I whole body scans and plasma Tg determinations in the diagnosis of metastatic differentiated carcinoma of the thyroid: a retrospective study. Hüfner M, et al. **Acta Endocrinol (Copenh)** 1983 Nov; 104(3):327–32
Serum thyroglobulin and thyroglobulin autoantibodies in thyroid diseases. Pathogenic and diagnostic aspects. Feldt-Rasmussen U. **Allergy** 1983 Aug;38(6):369–87 (130 ref.)
Long-term follow-up using serial serum thyroglobulin determinations in patients with differentiated thyroid carcinoma. Botsch H, et al. **Cancer** 1983 Nov 15; 52(10):1856–9
Thyroglobulin levels to follow-up patients with treated

differentiated thyroid carcinoma. Moser E, et al. **Cancer Detect Prev** 1984;7(2):79–86

Differences in radioimmunoassay results for thyroglobulin that affect management of patients with thyroid cancer. Bayer MF, et al. **Clin Chem** 1984 Jan;30(1):81–6

Should one measure serum thyroglobulin in the presence of anti-thyroglobulin antibodies? Black EG, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):597–601

Serum thyroglobulin levels in preterm neonates. De Nayer P, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):149–53

Elevated serum thyroglobulin as a manifestation of acute haemorrhage into the thyroid gland. Kawamura S, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):213–9

Serum thyroglobulin (Tg) concentration in healthy subjects: absence of age- and sex-related differences. Nakamura S, et al. **Endocrinol Jpn** 1984 Feb;31(1):93–8

Serum T4, T3, r-T3, TSH and Tg levels in cord blood and maternal circulation at the time of delivery. Sulovic V, et al. **Exp Clin Endocrinol** 1984 May;83(3):256–62

Value of the estimation of thyroglobulin levels in the surveillance of treated differentiated thyroid carcinoma. Sulman C, et al. **J Clin Chem Clin Biochem** 1984 Mar; 22(3):215–8

The site of leakage of intrafollicular thyroglobulin into the blood stream in simple human goiter. Gebel F, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):915–9

Iodine content of serum thyroglobulin in normal individuals and patients with thyroid tumors. Schneider AB, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1251–6

Serum thyroglobulin determinations in the differential diagnosis of congenital hypothyroidism. Pacini F, et al. **J Endocrinol Invest** 1984 Feb;7(1):29–33

Detection of thyroglobulin in blood stains as an aid in the diagnosis of mechanical asphyxia. Katsumata Y, et al. **J Forensic Sci** 1984 Jan;29(1):299–302

Serum thyroglobulin, a monitor of differentiated thyroid carcinoma in patients receiving thyroid hormone suppression therapy: concise communication. Blahd WH, et al. **J Nucl Med** 1984 Jun;25(6):673–6

A sensitive human thyroglobulin RIA to define clearly the presence or absence of functioning thyroid tissue. Lemish I, et al. **J Nucl Med** 1984 Jan;25(1):49–55

The value of serum thyroglobulin measurement in clinical practice. Refetoff S, et al. **JAMA** 1983 Nov 4; 250(17):2352–7 (54 ref.)

Evidence for autonomous thyroglobulin release from euthyroid and hyperthyroid nodular goiter—thyroglobulin, a possible helpful parameter in diagnosis of non-malignant thyroid disorders. Gärtner R, et al. **Klin Wochenschr** 1983 Aug 1;61(15):737–41

Serum thyroglobulin in patients with early thyroid cancer who have residual thyroid after total thyroidectomy [letter] Panza N, et al. **Lancet** 1984 Feb 18;1(8373):398

Serum thyroglobulin determinations in patients with differentiated thyroid carcinoma. Bednář J, et al. **Nuklearmedizin** 1983 Aug;22(4):204–11

[Effect of estrogens on the value of serum thyroglobulin] Estour B, et al. **Ann Endocrinol (Paris)** 1983;44(6):367–70 (Eng. Abstr.) **(Fre)**

[Limits and indications for thyroglobulin assay in patients followed-up for a differentiated epithelioma of the thyroid] Schlumberger M, et al. **Ann Endocrinol (Paris)** 1983; 44(5):279–81 **(Fre)**

[Plasma thyroglobulin : a new surveillance index for post-operative follow-up of differentiated thyroid cancers. Personal data and critical remarks] Jaffiol C, et al. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct;167(7):765–70 (Eng. Abstr.) **(Fre)**

[Usefulness and limitations of thyroglobulin determination in thyroid neoplasms] Dussault J. **Union Med Can** 1983 Dec;112(12):1119–20, 1123 (Eng. Abstr.) **(Fre)**

[Long-term observation of 15 patients with differentiated thyroid cancer and elevated plasma thyroglobulin levels of unclear origin] Stumpf HP, et al. **Klin Wochenschr** 1984 May 2;62(9):417–22 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of blood thyroglobulin determination] Bürgi U, et al. **Schweiz Med Wochenschr** 1984 Mar 17;114(11):365–8 (Eng. Abstr.) **(Ger)**

[Pre- and postoperative thyroglobulin secretion into the blood in nodular goiter] Gemsenjäger E, et al. **Schweiz Med Wochenschr** 1984 Jun 9;114(23):826–9 (Eng. Abstr.) **(Ger)**

[Follow-up of patients with differentiated thyroid cancer: determination of serum thyroglobulin in place of routine 131I scintigraphy?] Schatz H, et al. **Wien Klin Wochenschr** 1984 May 11;96(10):389–93 (Eng. Abstr.) **(Ger)**

[Basedow's disease and thyroglobulin] Ishii J. **Horumon To Rinsho** 1983 Aug;31(8):737–43 **(Jpn)**

[Determination of serum thyroglobulin by RIA] Izumi M. **Horumon To Rinsho** 1983 Aug;31(8):703–9 **(Jpn)**

[Determination of serum thyroglobulin] Kato R, et al. **Horumon To Rinsho** 1983 Oct;31(10):1033–8 **(Jpn)**

[Serum thyroglobulin in thyroid neoplasms] Mimura T, et al. **Horumon To Rinsho** 1983 Aug;31(8):731–5 **(Jpn)**

[Determination of serum thyroglobulin by EIA] Ohtaki S, et al. **Horumon To Rinsho** 1983 Aug;31(8):711–6 **(Jpn)**

[Measurements of serum thyroglobulin by immunoradiometric assay] Saiki Y, et al. **Horumon To Rinsho** 1984 Jan;32(1):77–83 **(Jpn)**

[Experimental and clinical evaluation of Eiken Thyroglobulin Kit] Saito T, et al. **Horumon To Rinsho** 1983 Jul; 31(7):657–62 **(Jpn)**

[Subacute thyroiditis and thyroglobulin] Tamai H, et al. **Horumon To Rinsho** 1983 Aug;31(8):745–50 **(Jpn)**

[Non-thyroid diseases and thyroglobulin] Uchimura H. **Horumon To Rinsho** 1983 Aug;31(8):751–5 **(Jpn)**

[Clinical significance of serum thyroglobulin measurement] Iida Y, et al. **Kaku Igaku** 1984 Feb;21(2):165–70 **(Jpn)**

[Usefulness of blood thyroglobulin determination in patients with thyroid cancer] Ikekubo K, et al. **Kaku Igaku** 1983 Apr;20(3):313–9 (Eng. Abstr.) **(Jpn)**

[Preliminary evaluation of 'Eiken' thyroglobulin radioimmunoassay kit] Konishi J, et al. **Kaku Igaku** 1983 Sep;20(8):1207–14 **(Jpn)**

[Basic and clinical evaluation of serum thyroglobulin measurement by thyroglobulin 'Eiken' radioimmunoassay kit] Otsuka M, et al. **Kaku Igaku** 1983 Dec;20(10):1479–87 **(Jpn)**

[Clinical significance of serum thyroglobulin concentrations] Uchimura H, et al. **Kaku Igaku** 1983 Jul;20(6):867–74 **(Jpn)**

[Serum thyroglobulin concentration in patients with Basedow's disease treated with antithyroid drugs] Yamamoto M, et al. **Kaku Igaku** 1983 Dec;20(10):1441–8 (Eng. Abstr.) **(Jpn)**

[Thyroglobulin as a tumor marker in thyroid adenocarcinoma—its effectiveness and problems in monitoring cancer activities] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):673–81 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of CIS thyroglobulin I-125 kit] Kousaka T, et al. **Radioisotopes** 1983 Oct; 32(10):494–7 **(Jpn)**

[Immunoradiometric assay of serum thyroglobulin—experimental evaluation and clinical application] Katsumaru K, et al. **Rinsho Byori** 1983 Aug; 31(8):909–13 **(Jpn)**

[Thyroglobulin in serum. A useful diagnostic test in cancer of the thyroid, thyrotoxicosis factitia, athyreosis/ectopy and hereditary dyshormonogenesis] Rootwelt K, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):231–5 (Eng. Abstr.) **(Nor)**

[Assay of thyroglobulin in the study of patients with differentiated thyroid carcinoma] Limbert E, et al. **Acta Med Port** 1984 Mar;5(3):73–8 (Eng. Abstr.) **(Por)**

DEFICIENCY

Hereditary congenital goitre with thyroglobulin deficiency causing hypothyroidism. Medeiros-Neto GA, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):631–42

GENETICS

The level of thyroglobulin mRNA is regulated by TSH both in vitro and in vivo. Avvedimento VE, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):472–7

Identification of thyroglobulin mRNA sequences in the nucleus and the cytoplasm of cultured thyroid cells: a post-transcriptional effect of thyrotropin. Tosta Z, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):54–61

Structural organization of the 5' region of the human thyroglobulin gene. Targovnik HM, et al. **Eur J Biochem** 1984 Jun 1;141(2):271–7

Unusual scarcity of restriction site polymorphism in the human thyroglobulin gene. A linkage study suggesting autosomal dominance of a defective thyroglobulin allele. Baas F, et al. **Hum Genet** 1984;67(3):301–5

Two abnormal thyroglobulin-like polypeptides are produced from Afrikander cattle congenital goiter mRNA. Tassi VP, et al. **J Biol Chem** 1984 Aug 25;259(16):10507–10

Structural organization of the 3' half of the rat thyroglobulin gene. Avvedimento VE, et al. **Nucleic Acids Res** 1984 Apr 25;12(8):3461–72

Expression of H-2 antigens and thyroglobulin (Tg) on freshly dissociated and in vitro cultured monolayers of mouse thyroid epithelial cells (TEC). Salamero J, et al. **Tissue Antigens** 1983 Oct;22(4):231–8

[Structure and expression of the thyroglobulin gene] Vassart G. **Bull Mem Acad R Med Belg** 1983;138(8–9):458–66 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Thyroid antibodies in blood donors: prevalence and clinical significance. Bjøro T, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):324–9

Relevance of autoantigens to autoimmunity in African trypanosomiasis: study of DNA and thyroglobulin antibodies. Daniel-Ribeiro C, et al. **Acta Trop (Basel)** 1983 Dec;40(4):321–9

Serum thyroglobulin and thyroglobulin autoantibodies in thyroid diseases. Pathogenic and diagnostic aspects. Feldt-Rasmussen U. **Allergy** 1983 Aug;38(6):369–87 (130 ref.)

Survey of thyroglobulin autoantibodies in dogs. Haines DM, et al. **Am J Vet Res** 1984 Aug;45(8):1493–7

Exposure of thyroxine residues in human thyroglobulin. Two-site binding studies. Byfield PG, et al. **Biochem J** 1984 Apr 15;219(2):405–10

Enzyme-linked immunosorbent microassay and hemagglutination compared for detection of thyroglobulin and thyroid microsomal autoantibodies. Roman SH, et al. **Clin Chem** 1984 Feb;30(2):246–51

Enzyme-linked immunoassay of monoclonal and serum microsomal autoantibodies. Weetman AP, et al. **Clin Chim Acta** 1984 Apr 27;138(3):237–44

Studies of complement activation and IgG subclass restriction of anti-thyroglobulin. Adler TR, et al. **Clin Exp Immunol** 1984 May;56(2):383–9

Idiotypic determinants on human thyroglobulin autoantibodies derived from the serum of Hashimoto patients and EB virus transformed cell lines. Delves PJ, et al. **Clin Exp Immunol** 1984 Jul;57(1):33–40

The distribution of microsomal and thyroglobulin antibody activity among the IgG subclasses. Parkes AB, et al. **Clin Exp Immunol** 1984 Jul;57(1):239–43

Asialoagalactothyroglobulin binds to the surface of human thyroid cells at a site distinct from the 'microsomal' autoantigen. Roitt IM, et al. **Clin Exp Immunol** 1984 Apr; 56(1):129–34

Injection of mouse thyroglobulin and/or adult thymectomy do not break tolerance to thyroglobulin during the lupus like graft versus host disease in mice. van Rappard-van der Veen FM, et al. **Clin Exp Immunol** 1984 Mar; 55(3):525–34

Thyroid autoimmunity and cardiovascular diseases. Aho K, et al. **Eur Heart J** 1984 Jan;5(1):43–6

The occurrence of defined idiotypes on autoantibodies to mouse thyroglobulin. Male D, et al. **Eur J Immunol** 1983 Nov;13(11):942–7

Influence of methimazole on murine thyroiditis. Evidence for immunosuppression in vivo. Davies TF, et al. **J Clin Invest** 1984 Feb;73(2):397–404

The tissue distribution of thyroglobulin-responsive B and T cells in experimental autoimmune thyroiditis (EAT). Weetman AP, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):59–63

The measurement of antithyroglobulin autoantibodies in the presence of thyroglobulin. Henniker AJ, et al. **J Endocrinol Invest** 1983 Aug;6(4):277–85

Genetic control of mouse antibody production to human thyroglobulin. Aihara Y, et al. **J Immunogenet** 1983 Aug; 10(4):325–31

T lymphocyte line specific for thyroglobulin produces or vaccinates against autoimmune thyroiditis in mice. Maron R, et al. **J Immunol** 1983 Nov;131(5):2316–22

Induction of autoantibodies to thyroglobulin by anti-idiotypic antibodies. Zanetti M, et al. **J Immunol** 1984 Jul;133(1):240–3

High degree of idiotypic cross-reactivity among murine monoclonal antibodies to thyroglobulin. Zanetti M, et al. **J Immunol** 1983 Nov;131(5):2452–7

A human monoclonal IgG1 with anti-idiotypic activity against anti-human thyroglobulin autoantibody. Zouali M, et al. **J Immunol** 1984 Jul;133(1):190–4

Development of an enzyme-linked immunosorbent assay for the detection of autoantibodies against thyroglobulin in chickens. Kofler H, et al. **J Immunol Methods** 1984 Apr 27;69(2):243–52

An immunotoxin of ricin A chain conjugated to thyroglobulin selectively suppresses the antithyroglobulin autoantibody response. Rennie DP, et al. **Lancet** 1983 Dec 10;2(8363):1338–40

Monoclonal antibodies to hog thyroglobulin recognizing disulfide-dependent conformational structures. Kondo E, et al. **Mol Immunol** 1984 Jul;21(7):581–8

Accumulation of radioactively labeled antithyroglobulin antibody by thyroid carcinoma. Hirayu H, et al. **Oncodev Biol Med** 1983;4(6):C63–70

Anti-human thyroglobulin autoantibodies assayed by an enzyme-linked immunosorbent assay. Bagnasco M, et al. **Ric Clin Lab** 1983 Apr–Jun;13(2):247–54

Thyroglobulin and calcitonin immunoreactivity in canine thyroid carcinomas. Moore FM, et al. **Vet Pathol** 1984 Mar; 21(2):168–73

[Immunoreactive thyroglobulin in thyroid cancer] Noguchi S. **Horumon To Rinsho** 1983 Aug;31(8):725–9 **(Jpn)**

[A solid phase radioimmunoassay using 125I-protein A for the detection of anti-human thyroglobulin antibodies] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):815–23 (Eng. Abstr.) **(Jpn)**

[Production of antithyroid hormone antibodies. 2. Genetic control of the production of anti-human thyroglobulin and antithyroid hormone antibodies in mice immunized with human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1729–37 (Eng. Abstr.) **(Jpn)**

[Antithyroglobulin antibodies and autoimmune thyroiditis in man] Dobrew K, et al. **Allergol Immunopathol (Madr)** 1984 Mar–Apr;12(2):115–8 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Immunoelectron microscopic localization of thyroglobulin in the human thyroid gland. Ide M. **Acta Pathol Jpn** 1984 May;34(3):575–84

Calcium-induced changes in thyroglobulin conformation. Formisano S, et al. **Arch Biochem Biophys** 1983 Dec; 227(2):351–7

Similar hormone-rich peptides from thyroglobulins of five vertebrate classes. Kim PS, et al. **Endocrinology** 1984 Feb; 114(2):369–74

Thyroglobulin entering into molecular biology. Lissitzky S. **J Endocrinol Invest** 1984 Feb;7(1):65–76

METABOLISM

Endocytosis of human thyroglobulin (TG) in adenomatous goiter studied by an immuno-electron microscopic procedure. Nakayama I, et al. **Acta Pathol Jpn** 1984 Jan; 34(1):19–28

Posttranslational modification of prothyroid hormone. Eggo MC, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):662–9

Hydrolysis of thyroglobulin inside isolated rat thyroid and liver lysosomes. Fouchier F, et al. **Cell Biochem Funct** 1984 Apr;2(2):69–70

Immunohistochemical demonstration of thyroglobulin in thyroid pathology. Stefăneanu L, et al. **Endocrinologie** 1984 Jan–Mar;22(1):55–9

Glycosylation of thyroglobulin—its role in secretion, iodination, and stability. Eggo MC, et al. **Endocrinology** 1983 Nov;113(5):1655–63

Selective macropinocytosis of thyroglobulin in rat thyroid follicles. Ericson LE, et al. **Endocrinology** 1983 Nov; 113(5):1746–53

Intraluminal iodination of thyroglobulin. Ofverholm T, et al. **Endocrinology** 1984 Mar;114(3):827–35

Evidence for an ATP-driven proton pump in rat thyroid phagolysosomes. Effects of protonophores and ionophores. Fouchier F, et al. **Eur J Biochem** 1983 Nov 15;136(3):553–7

Vitamin A–deficiency impairs the normal mannosylation, conformation and iodination of thyroglobulin: a new etiological approach to endemic goitre. Ingenbleek Y. **Experientia [Suppl]** 1983;44:264–97

Thyroglobulin uptake and presentation by macrophages in experimental autoimmune thyroiditis. Weetman AP, et al. **Immunology** 1983 Oct;50(2):315–8

Iodination and oxidation of thyroglobulin catalyzed by thyroid peroxidase. Nakamura M, et al. **J Biol Chem** 1984 Jan 10;259(1):359–64

Noncovalent interactions of a 26,000-dalton peptide with 19 S human thyroglobulin. Tanini A, et al. **J Biol Chem** 1983 Oct 25;258(20):12553–7

Use of monoclonal antibodies to investigate a possible role of thyroglobulin in the pathogenesis of Graves' ophthalmopathy. Kodama K, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):67–73

Low molecular weight thyroglobulin leading to a goiter in a 12-year-old girl. Silva JE, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):526–34

Histological characterization of a lingual mass using thyroglobulin immunoperoxidase staining. Hartzband PI, et al. **J Endocrinol Invest** 1984 Jun;7(3):221–3

Effects of trypan blue on thyroid secretion: localization of trypan blue within the colloid space and phagolysosomes of thyroid follicles. Peake RL, et al. **J Endocrinol Invest** 1983 Jun;6(3):161–7

[Relation between the iodination of human thyroglobulin and the cleavage of the hormone peptide 26K N-terminal] Lejeune PJ, et al. **C R Soc Biol (Paris)** 1984;178(1):18–24 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Thyroglobulin-induced T-cell in vitro proliferation in Hashimoto's thyroiditis: identification of the responsive subset and effect of monoclonal antibodies directed to Ia antigens. Canonica GW, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):132–41

SECRETION

Malignant follicles of a differentiated thyroid carcinoma releasing iodinated thyroglobulin into the lymphatic vessels. Gebel F, et al. **Clin Endocrinol (Oxf)** 1984 Apr; 20(4):457–62

Influence of cigarette smoking on goiter formation, thyroglobulin, and thyroid hormone levels in women. Christensen SB, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):615–8

Control of thyroglobulin secretion from the rat thyroid gland. Black EG, et al. **J Endocrinol** 1984 Apr;101(1):107–11

THYROGLOSSAL CYST

Thyroglossal cysts and fistulae. Baarsma EA, et al. **Ear Nose Throat J** 1984 Jun;63(6):289–91

COMPLICATIONS

Lingual thyroglossal duct cyst causing death in a four-week-old infant. Hanzlick RL. **J Forensic Sci** 1984 Jan;29(1):345–8

[Recurrent acute thyroiditis probably due to thyroglossal duct] Matsushita T, et al. **Horumon To Rinsho** 1983 Jun; 31 Suppl:80–1 **(Jpn)**

PATHOLOGY

[Thyroid carcinoma in a medial neck cyst] Kristensen S, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):974–5 (Eng. Abstr.) **(Dan)**

[Thyroid papilloma arising from thyroglossal cyst] Hanamatsu M, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:92–5 **(Jpn)**

RADIOGRAPHY

Computer-tomographic appearance of branchial cleft and thyroglossal duct cysts of the neck. Byrd SE, et al. **Diagn Imaging** 1983;52(6):301–12

THYROID ANTAGONISTS

Nutrients and toxicants in rapeseed meal: a review. Bell JM. **J Anim Sci** 1984 Apr;58(4):996–1010 (103 ref.)

ADMINISTRATION & DOSAGE

[Intermittent use of thyroidin and triiodothyronine following surgical treatment of nodular euthyroid goiter] Kuznetsov AA, et al. **Vrach Delo** 1984 Mar;(3):90–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The antithyroid arthritis syndrome reviewed. Shabtai R, et al. **Arthritis Rheum** 1984 Feb;27(2):227–9

[Thyrostatic therapy of hyperthyroidism with special reference to drug side effects] Heberling HJ, et al. **Z Gesamte Inn Med** 1983 Dec 15;38(24):660–3 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Are antithyroid drugs immunosuppressive? [letter] **Br Med J [Clin Res]** 1984 Mar 31;288(6422):1004–5

In vitro immunoreactivity to propylthiouracil, methimazole, and carbimazole in patients with Graves' disease: a possible cause of antithyroid drug-induced agranulocytosis. Wall JR, et al. **J Clin Endocrinol Metab** 1984 May;58(5):868–72

[T- and B-cellular immunity system in thyrotoxicosis patients treated with thyrostatic preparations] Kabatsii NP. **Vrach Delo** 1984 Feb;(2):80–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Are antithyroid drugs immunosuppressive? [editorial] Kendall-Taylor P. **Br Med J [Clin Res]** 1984 Feb 18; 288(6416):509–11

The changes of serum titers of thyroid antibodies in patients of Graves' disease with hyperthyroidism after treatments with antithyroid drugs. Huang CS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):277–82

Studies on the T3 suppression test by the 24-hour thyroidal 131I uptake in patients with Graves' disease: comparison of the effects of propylthiouracil and methylmercaptoimidazole. Kobayashi I, et al. **Endocrinol Jpn** 1983 Aug;30(4):491–7

Antithyroid drugs interact with renal medullary prostaglandin H synthase. Zelman SJ, et al. **J Lab Clin Med** 1984 Aug;104(2):185–92

[Mechanisms of the antithyroid action of x-ray contrast media] Sergeev PV, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):105–8 (49 ref.) **(Rus)**

POISONING

Biochemical changes in layer and broiler chickens when fed on a high-glucosinolate rapeseed meal. Pearson AW, et al. **Br Poult Sci** 1983 Jul;24(3):417–27

THERAPEUTIC USE

Choice of treatment for thyrotoxicosis. Lamberg BA. **Ann Chir Gynaecol** 1983;72(3):96–100

Evidence for an effect of antithyroid drugs on the natural history of Graves' disease. Weetman AP, et al. **Clin Endocrinol (Oxf)** 1984 Aug;21(2):163–72 (63 ref.)

Similar effects of thionamide drugs and perchlorate on thyroid-stimulating immunoglobulins in Graves' disease: evidence against an immunosuppressive action of thionamide drugs. Wenzel KW, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):62–9

[Hyperthyroidism in the background of a neuropsychiatric syndrome] Kiss Z, et al. **Orv Hetil** 1983 Oct 9; 124(41):2505–6 (Eng. Abstr.) **(Hun)**

[Clinical usefulness of the assay of TSH-binding inhibitor immunoglobulins (TBII) in patients with Graves' disease: Effect of antithyroid drug treatment on TBII and prognosis] Iida Y, et al. **Kaku Igaku** 1983 Dec; 20(10):1425–31 (Eng. Abstr.) **(Jpn)**

THYROID CARTILAGE see under LARYNGEAL CARTILAGES

THYROID CRISIS

DRUG THERAPY

Endocrine emergencies. Adrenal crisis, myxedema coma, and thyroid storm. Gilliland PF. **Postgrad Med** 1983 Nov; 74(5):215–20, 225–7

ETIOLOGY

Radioiodine-induced thyroid storm: a point of controversy [letter] Sheeler LR, et al. **Am J Med** 1984 Apr;76(4):A98

Thyroid storm during beta blockade. Strube PJ. **Anaesthesia** 1984 Apr;39(4):343–6

THERAPY

Successful treatment of thyrotoxic crisis with plasma exchange. Tajiri J, et al. **Crit Care Med** 1984 Jun; 12(6):536–7

[Plasma exchange for thyrotoxic crisis] Kiyokawa T, et al. **Rinsho Ketsueki** 1983 Jul;24(7):915–8 **(Jpn)**

THYROID DISEASES

13th annual meeting of the European Thyroid Association. Madrid, July 11–15th, 1983. Abstracts. **Ann Endocrinol (Paris)** 1983;44(4):1A–97A

A review of thyroid disease in pregnancy. Drury MI, et al. **Clin Exp Obstet Gynecol** 1984;11(3):79–89 (143 ref.)

Thyroid registers—an indecent obsession? Toft AD. **Scott Med J** 1983 Oct;28(4):323–4

BLOOD

Thyrotropin as the initial screening test for thyroid disease [letter] Allen KR, et al. **Clin Chem** 1984 Mar;30(3):502–3

Clinical value of free-thyroxin measurements. Braun BE, et al. **Clin Chem** 1983 Dec;29(12):2057–60

Myoglobin concentration, creatine kinase activity, and creatine kinase B subunit concentrations in serum during thyroid disease. Docherty I, et al. **Clin Chem** 1984 Jan; 30(1):42–5

Free thyroxin index and direct measurements of free thyroxin compared for evaluating postpartum autoimmune thyroid dysfunction. Jansson R, et al. **Clin Chem** 1984 Jun; 30(6):903–5

Measurement of free thyroxin in patients with familial dysalbuminemic hyperthyroxinemia [letter] Shah VD, et al. **Clin Chem** 1984 Apr;30(4):579

Use the most appropriate and useful test(s) in evaluating thyroid function [letter] White GH. **Clin Chem** 1984 Aug; 30(8):1415

Elevated serum thyroglobulin as a manifestation of acute haemorrhage into the thyroid gland. Kawamura S, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):213–9

Dehydroepiandrosterone sulphate (DS), dehydroepiandrosterone (D) and 'free' dehydroepiandrosterone (FD) in the plasma of patients with thyroid diseases. Földes J, et al. **Horm Metab Res** 1983 Dec;15(12):623–4

Euthyroid sick syndrome and free thyroxine assay [letter] **Lancet** 1983 Oct 8;2(8354):855–6

Evaluation of the measurement of reverse T3 in suspected thyroid disease. Dalton A, et al. **Med Lab Sci** 1983 Jul; 40(3):235–42

[Direct and indirect parameters for free thyroxine. II. Diagnostic accuracy in disorders of thyroid function and binding protein anomalies] Reiners C, et al. **Nuklearmedizin** 1983 Dec;22(6):273–87 (Eng. Abstr.) **(Ger)**

[Plasma dehydroepiandrosterone sulfate and dehydroepiandrosterone levels in thyroid diseases] Földes J, et al. **Orv Hetil** 1983 Oct 9;124(41):2483–6 (Eng. Abstr.) **(Hun)**

[Experimental and clinical evaluation of Eiken Thyroglobulin Kit] Saito T, et al. **Horumon To Rinsho** 1983 Jul; 31(7):657–62 **(Jpn)**

[Basic and clinical evaluation of a amerlex FT3 RIA kit] Tada M, et al. **Kaku Igaku** 1984 Jan;21(1):51–7 **(Jpn)**

[Clinical evaluation of routinely applied highly sensitive TSH-RIA] Mori T, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):941–8 (Eng. Abstr.) **(Jpn)**

[Thyroid diseases and lipid metabolism] Yukimura Y, et al. **Nippon Rinsho** 1983 Aug;41(8):1855–60 **(Jpn)**

[Measurement of acid-soluble glycoproteins in the serum—experimental study and its clinical application to thyroid diseases] Kawashima M, et al. **Rinsho Byori** 1983 Sep;31(9):1017–20 **(Jpn)**

[Diurnal changes in serum thyroxine and triiodothyronine concentrations in patients with autonomous 'hot' thyroid nodules] Górowski T, et al. **Pol Tyg Lek** 1984 Feb 27; 39(9):277–80 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Environmental iodine intake and thyroid dysfunction during chronic amiodarone therapy. Martino E, et al. **Ann Intern Med** 1984 Jul;101(1):28–34

Ethylene thiourea: thyroid function in two groups of exposed workers. Smith DM. **Br J Ind Med** 1984 Aug;41(3):362–6

Effect of amiodarone on thyroid hormone economy. Posner J, et al. **Isr J Med Sci** 1984 Feb;20(2):113–7

Lithium therapy and thyroid function tests. A prospective study. Smigan L, et al. **Neuropsychobiology** 1984; 11(1):39–43

Goitre and thyroid dysfunction during chronic amiodarone treatment. Eason RJ, et al. **NZ Med J** 1984 Apr 11; 97(753):216–9

COMPLICATIONS

Associations between diseases of the thyroid and the liver. Babb RR. **Am J Gastroenterol** 1984 May;79(5):421–3

Normal serum thyroxine values in patients with acute psychiatric illness. Kramlinger KG, et al. **Am J Med** 1984 May;76(5):799–801

Thyroid abnormalities and violent suicide [letter] Drummond L, et al. **Br J Psychiatry** 1984 Feb;144:213

Incidence of thyroid cancer in women in relation to previous exposure to radiation therapy and history of thyroid disease. McTiernan AM, et al. **JNCI** 1984 Sep;73(3):575–81

Pregnancy outcome in insulin-dependent diabetics with thyroid disease or pernicious anaemia [letter] Roman E, et al. **Lancet** 1984 Jul 14;2(8394):109

Thyroid dysfunction in phobic patients. Lindemann CG, et

al. **Psychosomatics** 1984 Aug;25(8):603–6
Coexisting thyroid and parathyroid disease—are they related? Lever EG, et al. **Surgery** 1983 Dec;94(6):893–900
[Neurologic and (neuro–)muscular symptoms in thyroid diseases] Schatz H. **Fortschr Med** 1983 Sep 1; 101(33):1469–72 (Ger)
[The thyroid gland and diabetes mellitus] Kalinin AP, et al. **Ter Arkh** 1983;55(12):95–100 (106 ref.) (Rus)
[Myocardiodystrophy in various diseases of the thyroid gland] Balabolkin MI, et al.
Vestn Akad Med Nauk SSSR 1984;(2):55–61 (Eng. Abstr.) (Rus)
[Toxic thyroid adenoma associated with undifferentiated thyroid carcinoma] Jara–Albarrán A, et al.
Rev Clin Esp 1983 Jul 15–31;170(1–2):69–70 (Spa)

DIAGNOSIS

How should we proceed when a thyroid dysfunction is suspected? Jonckheer MH, et al. **Acta Clin Belg** 1984; 39(1):51–3
Laboratory evaluation of anatomic disorders of the thyroid. Kabadi UM. **Am Fam Physician** 1983 Nov;28(5):195–203
Assessment of thyroid function with hormone assays. Liewendahl K. **Ann Chir Gynaecol** 1983;72(3):84–9
A comment on thyrotropin measurement and evaluation. Musto JD, et al. **Clin Chem** 1984 Feb;30(2):329–30
The differential diagnosis of cystic neck masses by the determination of thyroglobulin concentrations in the aspirates. Kawamura S, et al. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):261–7
Thyroid function tests in thyroid and nonthyroid disease. Trainer TD, et al. **CRC Crit Rev Clin Lab Sci** 1983; 19(2):135–71 (358 ref.)
Current diagnostic techniques for single thyroid nodules. Thompson NW. **Curr Surg** 1983 Jul–Aug;40(4):255–9
Characterization of benign and malignant tissues of the thyroid gland. An ultrasonic approach using RF waveform analysis and pattern recognition. Benson DM, et al.
Invest Radiol 1983 Sep–Oct;18(5):459–62
Euthyroid hyperthyroxinemia. Rajatanavin R, et al.
J Endocrinol Invest 1983 Dec;6(6):493–505 (142 ref.)
Diagnosis of thyroid dysfunction: applied kinesiology compared to clinical observations and laboratory tests. Jacobs GE, et al. **J Manipulative Physiol Ther** 1984 Jun; 7(2):99–104
Primary actinomycosis of the thyroid mimicking carcinoma. Dan M, et al. **J Otolaryngol** 1984 Apr;13(2):109–12
Use of ultrasound in childhood thyroid disorders. Bachrach LK, et al. **J Pediatr** 1983 Oct;103(4):547–52
The diagnosis and management of pyriform sinus fistulae in infants and young children. Miller D, et al.
J Pediatr Surg 1983 Aug;18(4):377–81
Measurements of an index of echogenicity in some thyroid diseases. Espinasse P, et al. **JCU** 1984 Jan;12(1):33–6
Evidence for autonomous thyroglobulin release from euthyroid and hyperthyroid nodular goiter—thyroglobulin, a possible helpful parameter in diagnosis of non–malignant thyroid disorders. Gärtner R, et al. **Klin Wochenschr** 1983 Aug 1;61(15):737–41
Ultrasonic demonstration of small thyroid nodules [letter] Caselli M, et al. **Lancet** 1984 Mar 3;1(8375):508
High–resolution real–time ultrasonography and unsuspected micronodular thyroid disease [letter] Hay ID, et al.
Lancet 1984 Apr 21;1(8382):916
Echographic thyroid nodules not detected on radionuclide scintigraphy [letter] Pinedo JI, et al. **Lancet** 1984 Jul 7; 2(8393):39–40
Ultrasonic demonstration of small thyroid nodules [letter] Woestyn J, et al. **Lancet** 1983 Nov 26;2(8361):1252
Quantitative evaluation of selected clinical tests used for differentiation of functional disorders of thyroid gland. Doroszewski J, et al. **Mater Med Pol** 1983 Jan–Jun; 15(1–2):31–4
Thyroid nodules: sonographic–pathologic correlation. Katz JF, et al. **Radiology** 1984 Jun;151(3):741–5
Thyroid imaging: comparison of high–resolution real–time ultrasound and computed tomography. Radecki PD, et al.
Radiology 1984 Oct;153(1):145–7
Magnetic resonance imaging of the neck. Part II: Pathologic findings. Stark DD, et al. **Radiology** 1984 Feb;150(2):455–61
High–resolution ultrasonography and computed tomography of thyroid lesions in patients with hyperparathyroidism. Stark DD, et al. **Surgery** 1983 Dec;94(6):863–8
One–hand racquet grip for Tru–cut thyroid biopsy. Boey J, et al. **World J Surg** 1984 Jun;8(3):388–91
[Radioisotopic and biochemical parallels in various diseases of the thyroid gland] Boiadzhieva P, et al. **Vutr Boles** 1983; 22(6):91–5 (Eng. Abstr.) (Bul)
[Information storage and thyroid pathology] Simonin R.
Bull Acad Natl Med (Paris) 1983 May;167(5):455–7 (Eng. Abstr.) (Fre)
[Thyroid nodules. Diagnostic value of fine–needle biopsy. 159 surgical patients] Heim M, et al. **Presse Med** 1984 May 26;13(22):1369–72 (Eng. Abstr.) (Fre)
[Diagnosis of dysthyroidism in an internal medicine department. Evaluation of costs (letter)] Schlienger JL, et al. **Presse Med** 1983 Dec 17;12(46):2946 (Fre)
[The symptomatic value of blood thyroid hormone levels (editorial)] Orgiazzi J. **Rev Med Interne** 1984 Mar;5(1):15–6 (Fre)
[Diagnosis of thyroid gland diseases in the practice of internal medicine] Köbberling J. **Internist (Berlin)** 1983 Aug; 24(8):439–41 (Ger)
[Sonographic findings in thyroid gland diseases] Pfannenstiel P. **Internist (Berlin)** 1983 Aug;24(8):460–6 (Ger)
[Diagnostic procedures in thyroid gland enlargement] Pickardt CR. **Internist (Berlin)** 1983 Aug;24(8):442–6 (Ger)
[Diagnosis of thyroid diseases] Hollenhorst W.
Med Monatsschr Pharm 1984 Jan;7(1):12–24 (Ger)
[Differential indications for sonography, 8. Ultrasound study: the brain and thyroid gland] Cabell R. **MMW** 1983 Oct 7;125(40):110–2 (Ger)
[Diagnosis of thyroid diseases] Pfannenstiel P. **MMW** 1983 Oct 21;125(42):943–6 (0 ref.) (Eng. Abstr.) (Ger)
[Diagnostic significance of blood thyroglobulin determination] Bürgi U, et al. **Schweiz Med Wochenschr** 1984 Mar 17;114(11):365–8 (Eng. Abstr.) (Ger)
[Special fields in sonography: the thyroid, breast and testes] Schneider G. **Wien Med Wochenschr** 1983 Oct 31; 133(19–20):507–13 (Eng. Abstr.) (Ger)
[Initial results of a combined sonographic and cytologic diagnosis of scintigraphically remarkable thyroid changes using real–time visual puncture] Bittersohl A, et al.
Z Gesamte Inn Med 1983 Oct 1;38(19):524–8 (Eng. Abstr.) (Ger)
[Thyroid gland diagnosis (2). Image–producing procedures and tissue puncture] Gercke LD. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1498–502 (Ger)
[Thyroid gland diagnosis (1). Clinical and laboratory chemical studies] Gercke LD. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1491–7 (Ger)
[Ultrasonic examination of the thyroid gland] Gönczi J, et al. **Orv Hetil** 1984 Jul 15;125(29):1759–62 (Eng. Abstr.) (Hun)
[Measurement of free triiodothyronine in serum by the use of corning free triiodothyronine RIA kit—correlations to other thyroid functions and serum levels of free triiodothyronine in various diseases] Suzuki H, et al.
Kaku Igaku 1983 Nov;20(9):1387–98 (Jpn)
[Fine needle aspiration cytology of 637 thyroid nodules] Togon H. **Nippon Geka Gakkai Zasshi** 1983 Jul; 84(7):612–22 (Eng. Abstr.) (Jpn)
[Clinical presentation of thyroid diseases—current progress] Miyai K. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1797–805 (Jpn)
[Infrared thermography of the thyroid gland in pregnancy] Shatsova EN, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):73–5 (Eng. Abstr.) (Rus)
[Direct lymphography and radionuclide scanning in the diagnosis of thyroid diseases] Tochilin AV.
Klin Med (Mosk) 1984 Jun;62(6):111–3 (Eng. Abstr.) (Rus)
[Radiation of the thyroid during examination of patients with thyroid diseases using radioactive iodine] Zvonova IA, et al. **Med Radiol (Mosk)** 1984 Feb;29(2):42–4 (Eng. Abstr.) (Rus)
[Role of thermography in diagnosing thyroid diseases] Zenovko GI. **Probl Endokrinol (Mosk)** 1984 Jul–Aug; 30(4):21–5 (Eng. Abstr.) (Rus)
[Dermatoglyphic findings in thyroid diseases] Popovič L.
Bratisl Lek Listy 1983 Aug;80(2):208–12 (Eng. Abstr.) (Slo)
[Puncture and fine–needle aspiration in thyroid nodules] Galofré JC, et al. **Med Clin (Barc)** 1983 May 21; 80(18):786–7 (Eng. Abstr.) (Spa)
[Hashimoto's thyroiditis mimicking autonomous thyroid nodule] Pérez Ortiz JL, et al. **Med Clin (Barc)** 1983 Dec 10;81(19):859–60 (Eng. Abstr.) (Spa)

DRUG THERAPY

Effect of somatostatin on the pituitary–thyroid axis. De Rosa G, et al. **Ann Endocrinol (Paris)** 1983;44(6):355–60
Desiccated thyroid preparations. Obsolete therapy [editorial] Smith SR. **Arch Intern Med** 1984 May;144(5):926–7
Propylthiouracil in thyroid storm [letter] Gilliland PF.
Postgrad Med 1984 Apr;75(5):44
[Levamisole and thyroid diseases] Epishin AV.
Klin Med (Mosk) 1983 Nov;61(11):21–4 (27 ref.) (Rus)

EMBRYOLOGY

[Fetal and neonatal thyroid development and dysfunction] Mimouni F, et al. **Harefuah** 1984 Jan 15;106(2):81–3 (Heb)

ENZYMOLOGY

Histochemical and biochemical study on adenylate cyclase and 5'–nucleotidase activity in thyroid glands with normal and various thyroid diseases. Mizukami Y.
Acta Pathol Jpn 1983 Sep;33(5):895–906
Serum angiotensin–converting enzyme in severe nonthyroidal illnesses associated with low serum thyroxine concentration. Brent GA, et al. **Ann Intern Med** 1984 May; 100(5):680–3
Serum gamma–glutamyltransferase (GGT) and thyroid disease [letter] Jiménez–Alonso J, et al.
Arch Intern Med 1983 May;143(5):1070, 1072
Creatine kinase activity and isoenzyme analysis in thyroid disorders [letter] Asseo PP, et al. **Clin Chem** 1984 Jun; 30(6):1107–8
Thyroid T4 5'–deiodinase activity in normal and abnormal human thyroid glands. Sugawara M, et al. **Metabolism** 1984 Apr;33(4):332–6

ETIOLOGY

Intake of thiocyanate by way of milk and its possible effect on thyroid function. Dahlberg PA, et al.
Am J Clin Nutr 1984 Mar;39(3):416–20
Thyroid damage—after treatment for Hodgkin's disease [letter] Wrigley PF, et al. **Clin Oncol** 1984 Mar;10(1):91–2
Circadian rhythm of TSH in adult onset non–insulin dependent (type II) diabetics with altered thyroid state. Nicolau GY, et al. **Endocrinologie** 1984 Apr–Jun; 22(2):117–24
Thyroid dysfunction following radiation therapy for lymphoma in the military population. Farley PC.
Milit Med 1983 Sep;148(9):740–2
Thyroid abnormalities in patients previously treated with irradiation for acne vulgaris. Thomson DB, et al.
South Med J 1984 Jan;77(1):21–3
[Thyroid gland dysfunction in temporal lobe epilepsy] Shutov AA, et al. **Radiobiol Radiother (Berl)** 1983;24(5):711–6 (Eng. Abstr.) (Ger)
[Thyroid nodule after radioiodine (131I) therapy for Graves' disease] Kaise K, et al. **Kaku Igaku** 1984 Mar;21(3):215–9 (Eng. Abstr.) (Jpn)
[Histiocytosis X with thyroid involvement] Pastor Durán X, et al. **An Esp Pediatr** 1984 May;20(8):818–20 (Spa)

FAMILIAL & GENETIC

Inherited disorders of thyroid metabolism. Lever EG, et al.
Endocr Rev 1983 Summer;4(3):213–39 (225 ref.)
Family studies in RA – the importance of HLA–DR4 and of genes for autoimmune thyroid disease. Grennan DM, et al. **J Rheumatol** 1983 Aug;10(4):584–9

HISTORY

Sclerosis of thyroid cysts [letter] Kessler RK, et al.
Arch Intern Med 1984 Aug;144(8):1693, 1697

IMMUNOLOGY

Simple and sensitive method for estimation of antithyroid plasma membrane antibodies in the serum of patients with autoimmune thyroid diseases; comparison with other assays. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):492–9
The presence of autoantibodies directed to thyroid plasma membrane antigens in sera of patients with thyroid disorders, estimated by the reaction with labelled protein A. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):500–4
Autoimmune thyroid disease and pregnancy [letter] How J, et al. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):253–4
Autoimmune thyroid disease and pregnancy [editorial] McGregor AM, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1780–1
In vitro and in vivo reversal of thyroid epithelial polarity: its relevance for autoimmune thyroid disease. Hanafusa T, et al. **Clin Exp Immunol** 1984 Sep;57(3):639–46
Anti–perinuclear and rheumatoid factor in different forms of autoimmune thyroid disease. Scherbaum WA, et al.
Clin Exp Immunol 1984 Mar;55(3):516–8
Autoimmune thyroid disease: developments in our understanding. Weetman AP, et al. **Endocr Rev** 1984 Spring;5(2):309–55 (441 ref.)
Autoimmune thyroid disease. Volpé R. **Hosp Pract [Off]** 1984 Jan;19(1):141–51, 155–8
Deficiency of the autologous mixed lymphocyte reaction in patients with autoimmune thyroid disease. Canonica GW, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):137–40
Surface markers and function of circulating thyroid autoantibody–producing cells. Mariotti S, et al.
J Clin Endocrinol Metab 1984 Jan;58(1):18–24
Correlation of peripheral T gamma and K lymphocytes in normal subjects and patients with autoimmune thyroid diseases. Mori H, et al. **J Clin Lab Immunol** 1983 Nov; 12(3):119–22
Identification and characterization of circulating thyroid hormone autoantibodies in thyroid diseases, in autoimmune non thyroid illnesses and in lymphoreticular system disorders. Trimarchi F, et al. **J Endocrinol Invest** 1983 Jun; 6(3):203–9
Association between autoimmune thyroid disease, atopy, and urticaria? [letter] Moens HJ, et al. **Lancet** 1984 Sep 8; 2(8402):582–3
Antibodies that promote thyroid growth. A distinct population of thyroid–stimulating autoantibodies. Valente WA, et al. **N Engl J Med** 1983 Oct 27;309(17):1028–34
Severe ophthalmic Graves' disease and autoimmune thyroid disorders with different clinical expression. Van Ouwerkerk M, et al. **Neth J Med** 1983;26(7):176–80
Postpartum autoimmune thyroid disorder associated with HLA–DR4? Lervang HH, et al. **Tissue Antigens** 1984 Apr; 23(4):250–2
[The thyroid and autoimmunity] Linquette M, et al.
LARC Med 1983 Aug–Sep;3(7):486–9 (Fre)
[Immunopathology in diseases of the thyroid] Epishin AV.
Klin Med (Mosk) 1983 Oct;61(10):23–6 (Rus)

METABOLISM

Zinc, copper, manganese, and selenium metabolism in thyroid disease. Aihara K, et al. **Am J Clin Nutr** 1984 Jul; 40(1):26–35
Immunohistochemical demonstration of thyroglobulin in

thyroid pathology. Stefăneanu L, et al. **Endocrinologie** 1984 Jan–Mar;22(1):55–9

[Measurement of thyroidal iodine concentration by in vivo x-ray fluorescent analysis, with special reference to clinical usefulness of the method] Sekita N. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1703–13 (Eng. Abstr.) **(Jpn)**

[Cytological and biochemical studies in thyroid cysts. II. Determination of various chemical components in the thyroid cyst fluid] Gumińska M, et al. **Endokrynol Pol** 1983; 34(4):245–52 (Eng. Abstr.) **(Pol)**

[Effect of thyroid state on the phospholipid regeneration rate of rat liver mitochondria] Vladimirov IuA, et al. **Biokhimiia** 1984 Mar;49(3):437–43 (Eng. Abstr.) **(Rus)**

[Determination of the ratio of membrane-bound and free polyribosomes and of the content of thyroglobulin in these fractions in normal thyroid gland cells and in several types of thyroid diseases] Atakhanova BA, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):32–4 (Eng. Abstr.) **(Rus)**

MORTALITY

[Thyroid diseases and life expectancy] Stahmer E, et al. **Lebensversicherungsmedizin** 1983 Nov 15;35(9):206–13 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Screening for thyroid disease in sick adults [letter] Bonnyns M, et al. **Acta Clin Belg** 1983;38(5):342–3

The prevalence and progression of autoimmune thyroid disease in the elderly. Lazarus JH, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):199–202

Thyroid disorders in rural Newfoundland [letter] Wolstenholme RJ. **Can Med Assoc J** 1984 Jan 15; 130(2):98–100

Autoimmune thyroid dysfunction in the postpartum period. Jansson R, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):681–7

[Screening for thyroid diseases in internal medicine (letter)] Arlet P, et al. **Presse Med** 1984 Apr 28;13(18):1158 **(Fre)**

[Thyroid disorders in college students] Maeda Y, et al. **Horumon To Rinsho** 1983 Oct;31(10):1007–9 **(Jpn)**

[Epidemiological studies of thyroid diseases and their surgical management] Maruchi N. **Horumon To Rinsho** 1983 Oct; 31(10):945–52 **(Jpn)**

PATHOLOGY

Cytological diagnosis of thyroid disease. Löwhagen T. **Ann Chir Gynaecol** 1983;72(3):90–5

Fine-needle aspiration biopsy of the thyroid. The problem of suspicious cytologic findings. Gharib H, et al. **Ann Intern Med** 1984 Jul;101(1):25–8

Histological pattern of thyroid diseases in Enugu, Nigeria. Anidi AI, et al. **East Afr Med J** 1983 Aug;60(8):546–50

Cold thyroid nodules and aspiration biopsy cytology. Ghoshal B, et al. **J Indian Med Assoc** 1984 Apr; 82(4):127–31

Cytologic evaluation of thyroid nodules. New criteria for surgery. Silver CE, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):109–12

Fine-needle aspiration biopsy of the thyroid gland. Petersen SV, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):295–7

Reliability of aspiration biopsy in thyroid nodes: study of 2190 operated patients. Radetić M, et al. **Tumori** 1984 Jun 30;70(3):271–6

[Fine needle puncture of the thyroid gland: technic and diagnostic possibilities] Droese M. **Internist (Berlin)** 1983 Aug;24(8):467–73 **(Ger)**

[Needle aspiration cytology in the diagnosis of thyroid nodules] Gabrielli F, et al. **Minerva Med** 1984 Jun 23; 75(26):1555–64 (Eng. Abstr.) **(Ita)**

[Thyroglobulin biosynthesis and the content of thyroglobulin polyribosomes of the thyroid gland cells in the normal state and in various types of thyroid pathology] Turakulov IaKh, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):38–41 (Eng. Abstr.) **(Rus)**

[Guided puncture biopsy in the diagnosis of thyroid diseases] Tochilin AV. **Vestn Khir** 1983 Oct;131(10):129–30 **(Rus)**

[Sarcoidosis of the thyroid gland. Case report] Licea Puig M, et al. **Rev Clin Esp** 1983 Aug 15–31;170(3–4):153–4 **(Spa)**

PHYSIOPATHOLOGY

Gangliosides, the thyrotropin receptor, and autoimmune thyroid disease. Lacetti P, et al. **Adv Exp Med Biol** 1984; 174:355–67

The effects of altered thyroid state upon responses mediated by atrial muscarinic receptors in the rat. Ishac EJ, et al. **Br J Pharmacol** 1983 Jun;79(2):451–9

TSH neuroregulation and alterations in disease states. Peters JR, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):669–94 (132 ref.)

Thyroid hormones and the liver. Sheridan P. **Clin Gastroenterol** 1983 Sep;12(3):797–818

Gastrointestinal transit in thyroid disease. Shafer RB, et al. **Gastroenterology** 1984 May;86(5 Pt 1):852–5

The TRH induced PRL release in patients with autonomous thyroid nodules before and after surgical treatment. Langer M, et al. **J Endocrinol Invest** 1983 Jun;6(3):195–8

Temporary disappearance of an autonomously functioning thyroid nodule after T3 suppression test. Vattimo A. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):337–9

[Intraoperative functional study of unilateral cold thyroid nodules] Sobbrio GA, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1112–5 (Eng. Abstr.) **(Ita)**

[Functional evaluation of cystic thyroid nodules] Sobbrio GA, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30; 59(8):1109–11 (Eng. Abstr.) **(Ita)**

[Characteristics of small saccadic eye movements in endocrine myopathies] Brovkina AF, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):44–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography in the evaluation of thyroid disease. Silverman PM, et al. **AJR** 1984 May;142(5):897–902

Computerized axial tomography in the diagnosis and management of thyroid and parathyroid disorders. Blum M, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):34–9

[A new method of calculation of thyroid weight using computed tomography] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1357–65 (Eng. Abstr.) **(Jpn)**

[Computed tomographic diagnosis of thyroid nodules] Takahashi M, et al. **Rinsho Hoshasen** 1984 Feb;29(2):257–61 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Managing thyroid abnormalities in adults exposed to upper body irradiation in childhood: a decision analysis. Should patients without palpable nodules be scanned and those with scan defects be subjected to subtotal thyroidectomy? Stockwell RM, et al. **J Clin Endocrinol Metab** 1984 May; 58(5):804–12

[Value of thallium scintigraphy in thyroid pathology] Cannoni M, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(1):43–5 (Eng. Abstr.) **(Fre)**

[Scintigram and radio-iodine tests in thyroid diseases] Kallee E. **Med Welt** 1984 Feb 17;35(7):204–9 **(Ger)**

[Place of nuclear medicine methods in thyroid diagnosis] Studer H, et al. **Schweiz Med Wochenschr** 1984 Mar 17; 114(11):361–4 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Follow-up of solitary autonomous thyroid nodules treated with 131I. Goldstein R, et al. **N Engl J Med** 1983 Dec 15;309(24):1473–6

SURGERY

Operative management of thyroid disease. Technical considerations in a residency training program. Pederson WC, et al. **Am J Surg** 1984 Sep;148(3):350–2

A safe technique for thyroidectomy with complete nerve dissection and parathyroid preservation. Karlan MS, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1014–9

Thyroid surgery. Greisen O, et al. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):298–301

[Tuberculous thyroiditis: report of 4 cases] Li YN. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):388–90 (Eng. Abstr.) **(Chi)**

[Voice, laryngeal nerves and thyroid surgery. Anatomic and clinical study. Results apropos of a homogeneous series of 378 interventions] Paineau J, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):367–72 (Eng. Abstr.) **(Fre)**

[Proceedings of the 12th Intersectional Meeting of the Surgical Sections of Montenegro, Kosovo, Macedonia, Serbia, Vojvodina and Bosnia-Hercegovina. Jajce, 7 and 8 October 1982] **Acta Chir Iugosl** 1983;30 Suppl 2:1–164 **(Scr, Scc)**

THERAPY

Needling the thyroid (and thyroid surgeons?). Ryan WG. **Arch Intern Med** 1983 Dec;143(12):2249

Resolution of recurrent thyroid cysts with tetracycline instillation. Treece GL, et al. **Arch Intern Med** 1983 Dec; 143(12):2285–7

The cold thyroid nodule: an analysis of diagnostic and therapeutic options. Molitch ME, et al. **Endocr Rev** 1984 Spring;5(2):185–99 (83 ref.)

Studies on long-term outcome in patients in the Scottish Automated Follow-up Registrar. Weir RD. **Health Bull (Edinb)** 1983 Nov;41(6):327–9

The management of thyroid swellings. Shaheen OH. **J Laryngol Otol** 1984 Feb;98(2):179–86

Management of endocrine disorders in pregnancy Part I—thyroid and parathyroid disease. van der Spuy ZM, et al. **Postgrad Med J** 1984 Apr;60(702):245–52 (51 ref.)

URINE

3,5-Diiodotyrosine excretion in human urine in individuals of differing thyroidal status. Mohammed MN, et al. **Biomed Mass Spectrom** 1983 Sep;10(9):507–11

THYROID FUNCTION TESTS

How should we proceed when a thyroid dysfunction is suspected? Jonckheer MH, et al. **Acta Clin Belg** 1984; 39(1):51–3

Interpretation and indications of thyroid function tests. Lambert M, et al. **Acta Clin Belg** 1983;38(5):283–8

The differential diagnostic problems in unilateral euthyroid Graves' ophthalmopathy. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):471–6

Thyroid function in patients on maintenance hemodialysis. Stefanović V, et al. **Acta Med Iugosl** 1984;38(2):119–25

Thyroxine and thyroxine-binding globulin: discriminant formulae for the separation of the diagnostic classes of thyroid function. Noe DA. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):40–2

Dexamethasone suppression test and thyroid stimulation test in depression [letter] Banki CM, et al. **Br J Psychiatry** 1984 May;144:551–2

Thyroid function tests. Alexander NM. **Clin Chem** 1984 Jun; 30(6):827–8

Use the most appropriate and useful test(s) in evaluating thyroid function [letter] White GH. **Clin Chem** 1984 Aug; 30(8):1415

Acute changes in thyroid function tests following ingestion of thyroxine. Symons RG, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):539–46

Thyroid function tests in thyroid and nonthyroid disease. Trainer TD, et al. **CRC Crit Rev Clin Lab Sci** 1983; 19(2):135–71 (358 ref.)

Body build and age in relation to thyroid function tests in adult women. Polednak AP. **Hum Biol** 1983 Dec; 55(4):853–65

Transient impairment of thyroid function in newborn from an area of endemic goiter. Sava L, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):90–5

Euthyroid hyperthyroxinemia. Rajatanavin R, et al. **J Endocrinol Invest** 1983 Dec;6(6):493–505 (142 ref.)

Urinary iodine excretion and thyroid function studies in endemic goitre in northern Thailand. Pleehachinda R, et al. **J Med Assoc Thai** 1984 Jan;67(1):31–5

Discrimination power of the combined measurements of free thyroxine and free triiodothyronine concentration in the evaluation of thyroid function. Broeckaert I, et al. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):291–6

Changes in thyroid function and serum iodine levels after prepartum use of a povidone-iodine vaginal lubricant. Jacobson JM, et al. **J Reprod Med** 1984 Feb;29(2):98–100

Effect of oral intake of thyroxine on results of thyroid function tests in patients receiving thyroid replacement therapy. Deam DR, et al. **Med J Aust** 1983 Oct 15; 2(8):374–6

The effect of counting system deadtime on thyroid uptake measurements. Simpkin DJ. **Med Phys** 1984 May–Jun; 11(3):296–9

Clinical significance of endogenously labelled thyroid hormones in the diagnosis of thyroidal autonomy. Waters W, et al. **Nuklearmedizin** 1983 Aug;22(4):212–6

[Effect of age and sex on the values of commonly used indicators of thyroid function] Zamrazil V, et al. **Vnitr Lek** 1983 Nov;29(11):1082–8 (Eng. Abstr.) **(Cze)**

[Thyroid pathology of newborn infants of mothers with Basedow's disease] Landier F, et al. **Arch Fr Pediatr** 1984 Mar;41(3):163–6 (Eng. Abstr.) **(Fre)**

[Value of sonography in the diagnosis of decompensated autonomous thyroid adenoma] Maier W, et al. **Computertomographie** 1981 Jun;1(2):59–61 (Eng. Abstr.) **(Ger)**

[What should an economically justified and reliable in-vitro diagnosis of thyroid function look like?] Eickenbusch W. **Nuklearmedizin** 1983 Oct;22(5):255–7 (Eng. Abstr.) **(Ger)**

[Radioimmunoassay and its problems: quality, sources of error and quality control of in vitro procedures for thyroid diagnosis] Meinhold H. **Nuklearmedizin** 1983 Aug; 22(4):196–203 (Eng. Abstr.) **(Ger)**

[Direct and indirect parameters for free thyroxine. II. Diagnostic accuracy in disorders of thyroid function and binding protein anomalies] Reiners C, et al. **Nuklearmedizin** 1983 Dec;22(6):273–87 (Eng. Abstr.) **(Ger)**

[Free thyroxin as a determinant for thyroid function. Evaluation of direct determination of fT4 compared to the oral TRH test] Zemp A, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):406–11 (Eng. Abstr.) **(Ger)**

[Changes in the function and morphology of the rat thyroid gland following oral nitrate administration] Knopp D, et al. **Z Gesamte Hyg** 1983 Nov;29(11):664–7 (Eng. Abstr.) **(Ger)**

[Thyroid gland diagnosis (1). Clinical and laboratory chemical studies] Gercke LD. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1491–7 **(Ger)**

[Aging and endocrinologic tests] Ohsawa N. **Rinsho Byori** 1984 Jan;Spec No 58:29–49 (64 ref.) **(Jpn)**

[Low T3 syndrome with euthyroidism in severe systemic diseases] Maciel RM, et al. **AMB** 1983 Mar–Apr; 29(3–4):63–6 (Eng. Abstr.) **(Por)**

[Primary hypothyroidism and sellar enlargement] Téllez R, et al. **Rev Med Chil** 1983 May;111(5):483–8 (Eng. Abstr.) **(Spa)**

METHODS

Assessment of thyroid function with hormone assays. Liewendahl K. **Ann Chir Gynaecol** 1983;72(3):84–9

Ethylene thiourea: thyroid function in two groups of exposed workers. Smith DM. **Br J Ind Med** 1984 Aug;41(3):362–6

Outcome of patients with Graves' disease after long-term

medical treatment guided by triiodothyronine (T3) suppression test. Yamamoto M, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):467–76

Red blood cell thyroxine in nonthyroid illness and in heparin-treated patients. Mendel CM, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1117–24

Analogue free thyroxine assay as clinical tool [letter] Mardell R, et al. **Lancet** 1984 Jan 28;1(8370):228

[Determination of 131I-triiodothyronine absorption by erythrocytes] Koldzhiev VA, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):62–4 (Eng. Abstr.) **(Rus)**

VETERINARY

A sampling protocol for the thyrotropin-stimulation test in the horse. Held JP, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):326–7

Magnetic antibody immunoassay thyroid function tests in general practice. Donne CS, et al. **Vet Rec** 1984 Jul 28; 115(4):79–83

[Physiopathological studies of thyroid function in calves. 3. Thyroid function in the clinically sick calf] Leirer R, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):234–44 (Eng. Abstr.) **(Ger)**

THYROID GLAND

see related
STRUMA OVARII
ULTIMOBRANCHIAL BODY

Intracardiac goiter: a cause of right ventricular outflow obstruction and successful operative therapy. Lo HM, et al. **Am J Cardiol** 1984 Mar 15;53(7):976–8

13th annual meeting of the European Thyroid Association. Madrid, July 11–15th, 1983. Abstracts. **Ann Endocrinol (Paris)** 1983;44(4):1A–97A

Lingual thyroid. Case report and review of the literature. Elprana D, et al. **ORL J Otorhinolaryngol Relat Spec** 1984; 46(3):147–52

Lingual thyroid. Liauba R, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):204–8

[Endotracheal dystopia of thyroid tissue] Otte T, et al. **HNO** 1984 May;32(5):213–6 (Eng. Abstr.) **(Ger)**

[Thermographic study of the thyroid gland] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May;29(5):36–9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The decreased growth rate of obese strain chicken thyroid cells provides in vitro evidence for a primary target organ abnormality in chickens susceptible to autoimmune thyroiditis. Truden JL, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):294–305

An analysis of the variation of incidence of congenital dysgenetic hypothyroidism in various countries. Miyai K, et al. **Endocrinol Jpn** 1984 Feb;31(1):77–81

Hemiagenesis of the thyroid: clinical and radiological presentation in the pediatric patient [letter] Abbassi V, et al. **J Nucl Med** 1983 Oct;24(10):972–3

Is laterally-situated ectopic thyroid tissue always malignant? Stanton A, et al. **J R Soc Med** 1984 Apr;77(4):333–4

[Sonography and lingual thyroid] Becker W, et al. **ROFO** 1984 Apr;140(4):476–7 **(Ger)**

[Congenital hypothyroidism due to athyreosis] Lewinger Z, et al. **Harefuah** 1983 Oct 2;105(7):149–51 (Eng. Abstr.) **(Heb)**

[A case of lateral aberrant thyroid adenoma] Bartnik W. **Otolaryngol Pol** 1984;38(1):75–9 (Eng. Abstr.) **(Pol)**

[Surgical treatment of aberrant goiter] Skripnichenko DF, et al. **Klin Khir** 1983 Dec;(12):49–50 **(Rus)**

ANALYSIS

Immunoelectron microscopic localization of thyroglobulin in the human thyroid gland. Ide M. **Acta Pathol Jpn** 1984 May;34(3):575–84

Ultrastructural localization of endogenous peroxidase in the human thyroid gland under normal and hyperfunctioning conditions. Yamashita H, et al. **Acta Pathol Jpn** 1984 May; 34(3):553–61

Immunocytochemical localization of protein kinases and calmodulin in dog thyroid cells. Van Sande J, et al. **Cell Biol Int Rep** 1983 Dec;7(12):981–8

Presence of heparan sulfate proteoglycan in thyroid tissue. Shishiba Y, et al. **Endocrinol Jpn** 1983 Oct;30(5):637–41

Characterization and localization of calcitonin messenger ribonucleic acid in rat thyroid. Jacobs JW, et al. **Endocrinology** 1983 Nov;113(5):1616–22

Somatostatin-like immunoreactivity in mammalian thyroid glands: contents and partial characterization. Oyama H, et al. **Endocrinology** 1984 Mar;114(3):1028–32

Structural changes of carbohydrate chains of human thyroglobulin accompanying malignant transformations of thyroid glands. Yamamoto K, et al. **Eur J Biochem** 1984 Aug 15;143(1):133–44

A structural comparison of guinea pig thyroid and fat TSH receptors by photoaffinity labelling. Buckland PR, et al. **FEBS Lett** 1984 Jan 23;166(1):109–14

The origin of 125I in animal thyroid glands [letter] Howe JR, et al. **Health Phys** 1984 Jan;46(1):244–5

Radioassay for thyroid growth stimulating immunoglobulins (TGI) with cultivated porcine thyroid follicles. Schatz H, et al. **Horm Metab Res** 1983 Dec;15(12):626–7

Radioactive implant induced x-ray emission technique for noninvasive determination of iodine content in thyroid: experimental study. Amano R, et al. **Int J Appl Radiat Isot** 1984 Feb;35(2):123–7

Content and heterogeneity of distribution of iodine in human and bovine thyroid glands determined by neutron activation analyses. Handl J, et al. **J Endocrinol Invest** 1984 Apr;7(2):97–101

Expression of intermediate filament proteins in thyroid gland and thyroid tumors. Miettinen M, et al. **Lab Invest** 1984 Mar;50(3):262–70

Calcitonin gene-related peptide in the human thyroid, pituitary and brain. Tschopp FA, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):53–7

Swan thyroid glands and river algae as indicators of iodine-125 and iodine-131 in the River Trent and its tributaries. Howe JR, et al. **Sci Total Environ** 1984 May 1;35(3):387–401

Amyloid P component in human thyroid. Kendall CH, et al. **Virchows Arch [Cell Pathol]** 1984;45(1):75–8

[Analytical ion microscopy, a new approach to the study of iodine and sulfur in the thyroid gland] Larras-Regard E. **C R Seances Acad Sci [III]** 1984;298(9):271–4 (Eng. Abstr.) **(Fre)**

[Measurement of thyroidal iodine concentration by in vivo x-ray fluorescent analysis, with special reference to clinical usefulness of the method] Sekita N. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1703–13 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Studies on quantitative morphology. VIII. Model-type calculations for thyroid gland morphometry. Löw O. **Exp Pathol** 1984;25(3):177–84

Morphometric investigations on endocrine glands. VI. Point counting in th thyroid gland. Löw O. **Exp Pathol** 1983; 24(1):35–41

Anti-thyroid activity of purified thymus gland extract in male Wistar rats. Jaeger KH, et al. **Pharmacol Res Commun** 1984 Jun;16(6):559–77

[Computer-aided evaluation of ultrasonic images of the thyroid] Held P, et al. **ROFO** 1984 Aug;141(2):185–91 (Eng. Abstr.) **(Ger)**

[Structure of the thyroid gland in the rat during hypokinesia and after its elimination] Mynzhanova GR. **Arkh Anat Gistol Embriol** 1984 Jun;86(6):48–58 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[The anatomical consideration of the double thyroid ima artery] Niida S, et al. **Kaibogaku Zasshi** 1984 Feb;59(1):9–17 (Eng. Abstr.) **(Jpn)**

[Thyroid angiography] Morita Y. **Rinsho Hoshasen** 1983 Oct; 28(11 Suppl):1159–65 **(Jpn)**

[Effect of plasmapheresis on myocardial functional activity and blood circulation in the thyroid in thyrotoxicosis patients] Neĭmark II, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):18–21 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Parafollicular cells of the rat thyroid gland after treatment with vitamin D. Zabel M. **Acta Anat (Basel)** 1984; 118(1):18–22

An investigation of the optimum culture conditions for a differentiated culture of sheep thyroid cells. Murphy A, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):431–6

Ontogeny of immunoreactive somatostatin in thyroid C cells from dogs and guniea pigs. Kameda Y, et al. **Anat Rec** 1984 Jan;208(1):89–101

Reparative growth in the rat thyroid. Stringer BM, et al. **Cell Tissue Kinet** 1983 Nov;16(6):571–6

Selective macropinocytosis of thyroglobulin in rat thyroid follicles. Ericson LE, et al. **Endocrinology** 1983 Nov; 113(5):1746–53

Cellular distribution of thyroid myosin. Tawata M, et al. **Endocrinology** 1984 Mar;114(3):962–8

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. V. The primary syngeneic sensitization is under I-A subregion control. Salamero J, et al. **Eur J Immunol** 1983 Nov;13(11):948–51

Embedding in a collagen gel stabilizes the polarity of epithelial cells in thyroid follicles in suspension culture. Garbi C, et al. **Exp Cell Res** 1984 Apr;151(2):458–65

Suspension culture reveals a morphogenetic property of a thyroid epithelial cell line. Nitsch L, et al. **Exp Cell Res** 1984 May;152(1):22–30

Preparation of inside-out thyroid follicles for studies on transcellular transport (transcytosis). Herzog V. **Methods Enzymol** 1983;98:447–58

On the mechanism of 'escape' from desensitization of the cyclic AMP response to TSH in cultured human thyroid cells. Rapoport B, et al. **Mol Cell Endocrinol** 1984 Jul; 36(3):181–6

Influence of thyroid autoantibodies on thyroid cellular growth in vitro. Risdall JE, et al. **Mol Cell Endocrinol** 1984 Mar;34(3):215–9

Mitogenic action of estrogen on thyroid gland of male domestic duckling. Maiti BR, et al. **Z Mikrosk Anat Forsch** 1984;98(1):81–5

[Quantitative histological studies of mast cells in the thyroid of sand rats (Psammomys obesus) during the development of a mellitus syndrome] Raboi A, et al. **Gegenbaurs Morphol Jahrb** 1983;129(6):799–805 (Eng. Abstr.) **(Ger)**

[Distribution of C cells in the human thyroid gland] Gmünder-Lehner RB, et al. **Schweiz Med Wochenschr** 1983 Oct 1;113(39):1385–94 (Eng. Abstr.) **(Ger)**

[Thyrotropin inactivation by thyroid plasma membrane] Hashizume K. **Horumon To Rinsho** 1983 Aug;31(8):777–81 **(Jpn)**

[Immunoperoxidase staining studies on C-cells in fresh human thyroid] Lin YT. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20;59(9):1244–55 (Eng. Abstr.) **(Jpn)**

[Characteristics of the structural organization of the thyroid gland] Arkhipenko VI, et al. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):27–34 **(Rus)**

DRUG EFFECTS

The stimulating effect of tissue extracts on hypothalamo-pituitary-thyroid axis in rats. Ren P, et al. **Acta Acad Med Wuhan** 1984;4(2):90–4

Effects of neonatal exposure to TRH on development of the pituitary-thyroid axis in rats. Kawai Y, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):201–5

Sex related goitrogenic effect of lithium carbonate in healthy young subjects. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):203–8

Short-term effect of morphine on the thyroid gland in male rats. Tal E, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):511–4

Effect of thyrotropin (TSH) treatment on the responsiveness of the thyroid gland during endotoxin shock in adult rats. Nagy SU, et al. **Acta Physiol Hung** 1983;62(3–4):187–90

Effects of indomethacin on thyroid iodine metabolism. Targovnik HM, et al. **Acta Physiol Lat Am** 1983; 33(4):327–34

Amiodarone and thyroid function [letter] Puletti M, et al. **Am Heart J** 1984 Feb;107(2):399

Effects of propranolol on thyroid function in the dog. Center SA, et al. **Am J Vet Res** 1984 Jan;45(1):109–11

Effect of prednisone on thyroid gland morphology and plasma thyroxine and triiodothyronine concentrations in the dog. Woltz HH, et al. **Am J Vet Res** 1983 Nov; 44(11):2000–3

Role of calcium in acetylcholine-induced desensitization in dog thyroid slices. Arem R, et al. **Arch Biochem Biophys** 1984 Apr;230(1):168–77

Effects of manganese ions on thyroid function in rat. Buthieau AM, et al. **Arch Toxicol** 1983 Nov;54(3):243–6

Thyrotropin effects on vesicle transfer and thyroid follicle morphogenesis: a stereological study in the rat. Remy L, et al. **Biol Cell** 1983;49(2):145–52

Calcium antagonists and endocrine status: lack of effect of oral verapamil on pituitary-testicular and pituitary-thyroid function. Semple CG, et al. **Br J Clin Pharmacol** 1984 Feb; 17(2):179–82

Fenclofenac-secondary effects upon the pituitary thyroid axis. Taylor R, et al. **Clin Endocrinol (Oxf)** 1983 Dec; 19(6):683–92

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis, in chronic pesticide exposure. IV. Effects of the herbicide 2,4-dichlorophenoxyacetic acid. Nicolau GY. **Endocrinologie** 1983 Jul–Sep; 21(3):169–74

Effects of castration and sex steroids on the thyroid response to thyrotropin. Bagchi N, et al. **Endocrinology** 1984 May; 114(5):1652–6

Thyroid function during treatment with a new oral contraceptive combination containing desogestrel. Penttilä IM, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec; 16(4):269–74

Effect of fluoxetine, a serotonin reuptake inhibitor, on the pituitary-thyroid axis in rat. Golstein J, et al. **Eur J Pharmacol** 1983 Jul 22;91(2–3):239–43

Antihormonal effects of plant extracts. Pharmacodynamic effects of lithospermum officinale on the thyroid gland of rats; comparison with the effects of iodide. Winterhoff H, et al. **Horm Metab Res** 1983 Oct;15(10):503–7

Effects of calcium hopantenate on the hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Horm Res** 1983;18(4):210–4

Effects of long-term amiodarone treatment on thyroid function. Rodriguez-Espinosa J, et al. **Int J Clin Pharmacol Res** 1984;4(1):53–9

Effect of amiodarone on thyroid hormone economy. Posner J, et al. **Isr J Med Sci** 1984 Feb;20(2):113–7

Reverse triiodothyronine does not alter pituitary-thyroid function in normal subjects. Shulkin BL, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1184–7

Control of thyroglobulin secretion from the rat thyroid gland. Black EG, et al. **J Endocrinol** 1984 Apr;101(1):107–11

Antagonism of serum tri-iodothyronine changes after injections of prolactin in the domestic fowl before and after hatching. Kühn ER, et al. **J Endocrinol** 1983 Dec; 99(3):401–7

Further studies on the response of a cytochemical bioassay to thyroid stimulators, using reference preparations of thyrotropin and long acting thyroid stimulator. Ealey PA, et al. **J Endocrinol Invest** 1984 Feb;7(1):25–8

Interactions of ethanol with the hypothalamic-pituitary-thyroid axis. Pamenter RW, et al.

Life Sci 1984 Feb 20;34(8):707–12 (61 ref.)

Factors controlling proliferation and differentiation of canine thyroid cells cultured in reduced serum conditions: effects of thyrotropin, cyclic AMP and growth factors. Roger PP, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):79–93

The effects of alkylated xanthines on cyclic AMP accumulation in dog thyroid slices exposed to carbamylcholine. Miot F, et al. **Mol Pharmacol** 1984 Mar; 25(2):261–6

Thyroid stimulating action of Z-guggulsterone obtained from Commiphora mukul. Tripathi YB, et al. **Planta Med** 1984 Feb;(1):78–80

Teratogenicity of nitrofen (2,4-dichloro-4'-nitrodiphenyl ether) and its effects on thyroid function in the rat. Manson JM, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):323–35

Effect of l-DOPA on calcitonin secretion by thyroid C cells. Zabel M. **Z Mikrosk Anat Forsch** 1983;97(2):319–28

[Effect of traditional Chinese medicine, 'thyroid tumor pill' ('TTP'), on thyroid function and ultrastructural morphology in experimental goiter and normal control rats] Chen BX. **Chung Hua Wai Ko Tsa Chih** 1983 Jul; 21(7):396–8 (Eng. Abstr.) **(Chi)**

[Thyroid functional parameters during anti-arrhythmia therapy with amiodarone] Weissel M, et al. **Acta Med Austriaca** 1984;11(3–4):113–7 (Eng. Abstr.) **(Ger)**

[Intravenous TSH test for the study of functional reserves of the thyroid gland] Splittstösser C, et al. **Med Welt** 1984 Feb 3;35(5):151–3 **(Ger)**

[Changes in the function and morphology of the rat thyroid gland following oral nitrate administration] Knopp D, et al. **Z Gesamte Hyg** 1983 Nov;29(11):664–7 (Eng. Abstr.) **(Ger)**

[Thyroid function after peritoneal lavage with polivinylpyrrolidone-iodine solution in diffuse peritonitis] Görtz G, et al. **Zentralbl Chir** 1984;109(5):319–30 (Eng. Abstr.) **(Ger)**

[Effect of subchronic lead acetate and zinc chloride poisoning on the thyroid gland of rabbits maintained on adequate iodine supply] Jonderko G, et al. **Endokrynol Pol** 1984; 35(1):35–44 (Eng. Abstr.) **(Pol)**

[Effect of subchronic copper sulfate poisoning on the thyroid gland of rabbits maintained on normal and increased supply of iodine] Jonderko G, et al. **Endokrynol Pol** 1983; 34(4):267–73 (Eng. Abstr.) **(Pol)**

[Effect of subchronic sodium fluoride poisoning on the thyroid gland of rabbits with normal and increased supply of iodine] Jonderko G, et al. **Endokrynol Pol** 1983; 34(3):195–203 (Eng. Abstr.) **(Pol)**

[Changes in the hypophyseal-thyroid system of surgical patients operated on under ataralgesia] Togaibaev AA, et al. **Anesteziol Reanimatol** 1984 Mar-Apr;(2):25–7 (Eng. Abstr.) **(Rus)**

[Effect of heparin on the thyroid gland] Gerbil'skiĭ LV, et al. **Arkh Anat Gistol Embriol** 1983 Aug;85(8):57–61 (Eng. Abstr.) **(Rus)**

[Effect of angiotensin on the ultrastructure of the rat thyroid gland] Gerbil'skiĭ LV. **Biull Eksp Biol Med** 1984 Apr; 97(4):501–4 (Eng. Abstr.) **(Rus)**

[Effect of the manufacture of acrylonitrile on endocrine function] Goncharova LN, et al. **Gig Tr Prof Zabol** 1984 May;(5):23–5 (Eng. Abstr.) **(Rus)**

[Action of lysosomotropic modulators on the thyroid cells of rats] Gerbil'skiĭ LV, et al. **Tsitol Genet** 1983 Nov-Dec; 17(6):3–6 (Eng. Abstr.) **(Rus)**

[Usefulness of the reverse T3 (rT3) determination in patients under chronic treatment with amiodarone] de los Angeles Valenzuela M, et al. **Rev Med Chil** 1984 Mar;112(3):228–32 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

L-thyroxine and 3,5,3'-triiodo-L-thyronine in rat embryos before onset of fetal thyroid function. Obregon MJ, et al. **Endocrinology** 1984 Jan;114(1):305–7

Influence of an early grafted adenohypophysis on the thyroid of the chick embryo. Maraud R, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):329–37

Hypothalamo-adenohypophyseal-thyroid interrelationships in the chick embryo. IV. Immunocytochemical demonstration of TSH in the hypophyseal pars distalis. Thommes RC, et al. **Gen Comp Endocrinol** 1983 Sep; 51(3):434–43

Immunocytochemical studies on differentiation of the thyroid gland in rabbit fetuses and chick embryos. Kameda Y. **Histochemistry** 1984;80(1):23–9

Morphological development of the thyroid gland and serum T4-concentration in the intact and decapitated pig fetus. Fentener van Vlissingen JM, et al. **J Dev Physiol** 1983 Dec; 5(6):361–71

The foetal thyroid of the dromedary: its relation to body weight and dimensions and to the weight of the Dam's thyroid. Elwishy AB, et al. **Vet Res Commun** 1983 Sep; 6(4):289–96

[Fetal and neonatal thyroid development and dysfunction] Mimouni F, et al. **Harefuah** 1984 Jan 15;106(2):81–3 **(Heb)**

[Role of hypothalamic nonapeptides in establishing the function of the thyroid gland in duck embryos] Stetsenko MA, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):213–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Histochemical and biochemical study on adenylate cyclase and 5'-nucleotidase activity in thyroid glands with normal and various thyroid diseases. Mizukami Y. **Acta Pathol Jpn** 1983 Sep;33(5):895–906

Negative regulation of cyclic AMP levels by activation of cyclic nucleotide phosphodiesterases: the example of the dog thyroid. Dumont JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 16:325–36

Occurrence of protein kinases NI and NII in human and porcine thyroids. Inaba M, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):707–12

Differential effects of thyrotropin on various glycosyltransferases in porcine thyroid cells. Franc JL, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):910–5

Inhibition of adenylate cyclase activity of human thyroid membranes by gangliosides. Dacremont G, et al. **Biochim Biophys Acta** 1984 Mar 14;770(2):142–7

Solubilization of peroxidase from porcine thyroids and characterization by photoaffinity labelling. Van Zyl JM, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):174–82

Inhibition by certain plant extracts of the binding and adenylate cyclase stimulatory effect of bovine thyrotropin in human thyroid membranes. Auf'mkolk M, et al. **Endocrinology** 1984 Aug;115(2):527–34

Stimulation of thyroidal thiol endopeptidases by thyrotropin. Dunn AD. **Endocrinology** 1984 Feb;114(2):375–82

Evidence that organic iodine attenuates the adenosine 3',5'-monophosphate response to thyrotropin stimulation in thyroid tissue by an action at or near the adenylate cyclase catalytic unit. Filetti S, et al. **Endocrinology** 1983 Nov;113(5):1608–15

Naturally occurring forms of thyrotropin with low bioactivity and altered carbohydrate content act as competitive antagonists to more bioactive forms. Joshi LR, et al. **Endocrinology** 1983 Dec;113(6):2145–54

Partial purification and characterization of two thiol proteases from hog thyroid lysosomes. Nakagawa H, et al. **Endocrinology** 1984 Jul;115(1):33–40

Intracellular distribution of AMP deaminase in the pig thyroid gland. Jaroszewicz L, et al. **Enzyme** 1984; 31(3):137–42

A quantitative study of peroxidase activity in unfixed tissue sections of the guinea-pig thyroid gland. Ealey PA, et al. **Histochem J** 1984 Feb;16(2):111–22

The cytochemical assay of NAD+ kinase activity in the follicular cells of guinea-pig thyroid gland. Perrild H, et al. **Histochem J** 1984 Jan;16(1):71–83

Diffusion artefacts and tissue fixation in thyroperoxidase cytochemistry. Ofverholm T, et al. **Histochemistry** 1984; 81(1):1–8

A study on the RNA polymerase activities in bovine thyroid nuclei isolated in isotonic sucrose, hypertonic sucrose or in anhydrous glycerol media. Influence of the isolation procedure on the electrophoretic pattern of acid soluble nuclear proteins. Hilderson H, et al. **Int J Biochem** 1984; 16(1):31–7

Steady-state kinetics of thyroid peroxidase. Evidence for a high degree rate equation using the F statistic. Solano-Muñoz F, et al. **Int J Biochem** 1983;15(9):1195–200

Orientation of thyroid peroxidase in hog thyroid microsomes. Nakagawa H, et al. **J Biochem (Tokyo)** 1983 Jul; 94(1):155–62

Release of glucose-containing polymannose oligosaccharides during glycoprotein biosynthesis. Studies with thyroid microsomal enzymes and slices. Anumula KR, et al. **J Biol Chem** 1983 Dec 25;258(24):15274–82

Increased micrococcal nuclease sensitivity and/or solubility in nuclei from Graves' disease thyroid tissue. Inaba M, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):427–31

The prognostic value of parallel measurements of thyrotropin binding inhibiting immunoglobulins (TBII) and thyroid adenylate cyclase stimulating antibodies (TSAb) in Graves' disease after longterm antithyroid treatment. Bliddal H, et al. **J Endocrinol Invest** 1983 Aug;6(4):259–62

Thyroid T4 5'-deiodinase activity in normal and abnormal human thyroid glands. Sugawara M, et al. **Metabolism** 1984 Apr;33(4):332–6

Acid protease activity in thyroid gland from patients with Graves' disease. Yoshinari M, et al. **Metabolism** 1983 Apr; 32(4):348–54

[Thyroid proteinase activity in toxic forms of goiter] Antelava AV, et al. **Probl Endokrinol (Mosk)** 1983 Nov-Dec;29(6):73–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ipsilateral thyroid growth and depressed thyroid hormone synthesis and content after unilateral superior cervical ganglionectomy in rats. Pisarev MA, et al. **Acta Physiol Lat Am** 1983;33(2):164–70

Thyroid hormone metabolism and the source of plasma triiodothyronine in 2-week-old rats: effects of thyroid status. Silva JE, et al. **Endocrinology** 1984 Jun; 114(6):2394–405

Effects of anti-thyrotropin-releasing hormone anti-serum treatment during the neonatal period on the development of rat thyroid function. Mitsuma T, et al. **Horm Metab Res** 1984 Aug;16(8):428–30

Possible mechanisms of TSH—independent thyroid growth. Lewiński A, et al. **Med Hypotheses** 1984 Jun;14(2):141–60 (107 ref.)

Antibodies that promote thyroid growth. A distinct population of thyroid-stimulating autoantibodies. Valente WA, et al. **N Engl J Med** 1983 Oct 27;309(17):1028–34

[Goiter induced by thyroid growth stimulating antibodies? (letter)] Schatz H, et al. **Dtsch Med Wochenschr** 1983 Dec 9;108(49): 1895–6 **(Ger)**

[Tissue basophils of the thyroid gland in developing amphibia and mammals] Gerbil'skiĭ LV, et al. **Biol Nauki** 1984; (4):54–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Thyroid autoimmunity in hyperprolactinaemic disorders. Ferrari C, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):35–41

The presence of autoantibodies directed to thyroid plasma membrane antigens in sera of patients with thyroid disorders, estimated by the reaction with labelled protein A. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):500–4

Simple and sensitive method for estimation of antithyroid plasma membrane antibodies in the serum of patients with autoimmune thyroid diseases; comparison with other assays. Gardas A, et al. **Acta Endocrinol (Copenh)** 1984 Apr; 105(4):492–9

Isolation of thyroid stimulating immunoglobulins by affinity chromatography using protein A sepharose. Kjaerulff H, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):79–85

The distribution of immunoglobulin-containing cells in human autoimmune thyroiditis. Wilkin TJ, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):490–8

Thyroid antibodies in Graves' disease. An immunofluorescence study. Szabó J, et al. **Acta Med Hung** 1983;40(2–3):91–7

Immunohistochemical characterization of intrathyroid lymphocytes in Graves' disease. Interstitial and intraepithelial populations. Margolick JB, et al. **Am J Med** 1984 May;76(5):815–21

T-cell subsets in the thyroids of mice developing autoimmune thyroiditis. Creemers P, et al. **Cell Immunol** 1984 Sep; 87(2):692–7

The changes of serum titers of thyroid antibodies in patients of Graves' disease with hyperthyroidism after treatments with antithyroid drugs. Huang CS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):277–82

Relationship of circulating thyroid antibodies to coronary artery disease. Piziak VK, et al. **Clin Cardiol** 1984 Feb; 7(2):86–9

Enzyme-linked immunosorbent microassay and hemagglutination compared for detection of thyroglobulin and thyroid microsomal autoantibodies. Roman SH, et al. **Clin Chem** 1984 Feb;30(2):246–51

Enzyme-linked immunoassay of monoclonal and serum microsomal autoantibodies. Weetman AP, et al. **Clin Chim Acta** 1984 Apr 27;138(3):237–44

Specific suppressor T cell function in a patient with Graves' disease and her healthy identical twin. Balázs C, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):683–93

Detection of thyroid growth immunoglobulins (TGI) by [3H]-thymidine incorporation in cultured rat thyroid follicles. Chiovato L, et al. **Clin Endocrinol (Oxf)** 1983 Nov; 19(5):581–90

Tracking of indium-111-oxine labelled lymphocytes in autoimmune thyroid disease. Pozzilli P, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):111–6

Serum autoantibodies and thyroid lymphocytic infiltration in endemic goitre. Costa A, et al. **Clin Exp Immunol** 1984 Apr;56(1):143–8

In vitro and in vivo reversal of thyroid epithelial polarity: its relevance for autoimmune thyroid disease. Hanafusa T, et al. **Clin Exp Immunol** 1984 Sep;57(3):639–46

Asialoagalactothyroglobulin binds to the surface of human thyroid cells at a site distinct from the 'microsomal' autoantigen. Roitt IM, et al. **Clin Exp Immunol** 1984 Apr; 56(1):129–34

Characterization of lymphoid cells in the thyroid of patients with Graves' disease. Warford A, et al. **Clin Exp Immunol** 1984 Sep;57(3):626–32

Extrathyroidal sites of autoantibody synthesis in Graves' disease. Weetman AP, et al. **Clin Exp Immunol** 1984 May; 56(2):330–6

Thyroid autoimmunity in type 2 (non-insulin-dependent) diabetic patients of Caucasoid, black and Mexican origin. Kasim S, et al. **Diabetologia** 1984 Jul;27(1):59–61

Autoimmune thyroid disease—antibodies that promote thyroid growth. Fine RM. **Int J Dermatol** 1984 Jun; 23(5):314–5

Characterization of monoclonal antibodies derived from lymphocytes from Graves' disease patients in a cytochemical bioassay for thyroid stimulators. Ealey PA, et al. **J Clin Endocrinol Metab** 1984 May;58(5):909–14

Behaviour of thyroid tissue from patients with Graves' disease in nude mice. Leclere J, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):175–7

Surface markers and function of circulating thyroid autoantibody-producing cells. Mariotti S, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):18–24

Association of serum antithyroid antibodies with lymphocytic infiltration of the thyroid gland: studies of seventy autopsied cases. Yoshida H, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):859–62

The thyroid 'microsomal' antibody revisited. Its paradoxical binding in vivo to the apical surface of the follicular epithelium. Khoury EL, et al. **J Exp Med** 1984 Feb 1; 159(2):577–91

Autoimmunity in congenital rubella syndrome. Clarke WL, et al. **J Pediatr** 1984 Mar;104(3):370–3

Thyroid stimulating immunoglobulins. The Watson Smith lecture 1983. Munro DS. **J R Coll Physicians Lond** 1984 Jul;18(3):155–60 (70 ref.)

Aberrant expression of HLA-DR antigen on thyrocytes in Graves' disease: relevance for autoimmunity. Hanafusa T, et al. **Lancet** 1983 Nov 12;2(8359):1111–5

Evidence that thyroid-stimulating antibody is produced in the thyroid gland. Kendall-Taylor P, et al. **Lancet** 1984 Mar 24;1(8378):654–6

Down's syndrome and hypothyroidism: a role for thyroid autoimmunity? [letter] Vladutiu AO, et al. **Lancet** 1984 Jun 23;1(8391):1416

On the diagnostic value of 'thyroid autoantibodies' [letter] Lindstedt G, et al. **Scand J Clin Lab Invest** 1983 May; 43(3):271–3

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. VI. Evaluation of its frequency using the limiting dilution analysis. Charreire J, et al. **Tissue Antigens** 1984 Jan;23(1):72–80

Expression of H-2 antigens and thyroglobulin (Tg) on freshly dissociated and in vitro cultured monolayers of mouse thyroid epithelial cells (TEC). Salamero J, et al. **Tissue Antigens** 1983 Oct;22(4):231–8

Major histocompatibility complex antigens in the rat pancreas, isolated pancreatic islets, thyroid, and adrenal. Hart DN, et al. **Transplantation** 1983 Oct;36(4):431–5

[Study of thyroid autoimmunity in man. Contribution of cell cultures to the study of antibodies stimulating the thyroid gland in Basedow's disease] Yeni P, et al. **Presse Med** 1983 Oct 29;12(38):2383–7 (Eng. Abstr.) **(Fre)**

[Antithyroid antibodies and the iodine–potassium perchlorate test in school children with and without endemic goiter. Chronic thyroiditis as a cause of goiter?] Michaud P, et al. **Rev Med Chil** 1983 Oct;111(10):1029–32 (Eng. Abstr.) **(Spa)**

METABOLISM

Influence of cyclic nucleotides, norepinephrine and calcium on 3H-uridine incorporation into RNA in thyroid slices. Kleiman de Pisarev DL, et al. **Act Physiol Pharamacol Latinoam** 1984;34(1):31–6

A comparison of the bioactivity of human and bovine thyrotrophin preparations, as determined by intracellular cyclic AMP responses of cultured FRTL-5 cells and human thyroid cell monolayers. Bidey SP, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):482–9

Evidence for alpha-adrenergic receptors acting through the guanylate cyclase system in human cultured thyroid cells. Brandi ML, et al. **Acta Endocrinol (Copenh)** 1983 Sep; 104(1):64–8

Uptake, metabolism and subcellular distribution of [125I]T4 in calf thyroid slices. Chazenbalk GD, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):341–9

Influence of antiganglioside antibodies on thyrotrophin binding and adenyl cyclase activity of thyroid plasma membranes. Gardas A, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):333–9

Immunoreactive calcitonin content in foetal thyroid glands and in placentae of rats. Jarzab B, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):567–70

Effects of intrathyroidal metabolism of thyroxine on thyroid hormone secretion: increased degradation of thyroxine in mouse thyroids stimulated chronically with thyrotrophin. Kubota K, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):57–65

Occurrence of gamma-trace in the calcitonin-producing C-cells of simian thyroid gland and human medullary thyroid carcinoma. Löfberg H, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):69–76

Vascularization and iodide transport down regulation in rat goitre. Rognoni JB, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):40–8

Inhibition of iodide accumulation by perchlorate and thiocyanate in a model of the thyroid iodide transport system. Saito K, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):456–61

Endocytosis of human thyroglobulin (TG) in adenomatous goiter studied by an immuno-electron microscopic procedure. Nakayama I, et al. **Acta Pathol Jpn** 1984 Jan; 34(1):19–28

Immunologic studies in two patients with persistent lymphocytic thyroiditis, thyrotoxicosis, and low radioactive iodine uptake. Elliot I, et al. **Am J Med** 1984 Aug;77(2):347–54

Distribution of sodium in cellular and luminal compartments of turtle thyroid glands. Yen-Chow YC, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E436–43

Role of carbonic anhydrase in thyroidal iodide transport. Chow SY, et al. **Ann NY Acad Sci** 1984;429:604–6

The level of thyroglobulin mRNA is regulated by TSH both in vitro and in vivo. Avvedimento VE, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):472–7

Chronic regulation by thyrotropin of arachidonic acid incorporation in cholesteryl esters of cultured thyroid cells. Margotat A, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):537–42

HMG (high-mobility-group)-14/17-like proteins in calf thyroid. Thyrotropin-dependent phosphorylation and comparison with calf thymus proteins. Cooper E, et al. **Biochem J** 1983 Dec 1;215(3):643–9

Desensitization of carbamylcholine-mediated cyclic GMP accumulation in dog thyroid slices. Decoster C, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):235–9

Effect of thyrotropin-releasing hormone on dog thyroid in vitro. Delbeke D, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):262–8

Modulation of prostaglandin E2, F2 alpha, I2 content and synthesis by thyrotropin in cultured porcine thyroid cells and intact rat thyroid glands. Takasu N, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):51–63

Extraction of a substance with calcitonin-like immunoreactivity from pituitary glands of intact and thyroidectomized rats. Bone HG 3d, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):620–3

Hydrolysis of thyroglobulin inside isolated rat thyroid and liver lysosomes. Fouchier F, et al. **Cell Biochem Funct** 1984 Apr;2(2):69–70

Clinical value of free-thyroxin measurements. Braun BE, et al. **Clin Chem** 1983 Dec;29(12):2057–60

Meaning of serum free-thyroxin values in nonthyroidal illnesses: seven methods compared. Chan DW, et al. **Clin Chem** 1983 Dec;29(12):2091–3

In vitro generation of NADPH as an index of thyroid stimulating immunoglobulins (TGI) in goitrous disease. McMullan NM, et al. **Clin Endocrinol (Oxf)** 1984 Mar; 20(3):269–80

An important effect of TSH on prostacyclin concentration in porcine thyroid cells. Takasu N, et al. **Clin Exp Pharmacol Physiol** 1984 Mar-Apr;11(2):191–7

The effect of lithosperm on thyroidal 32P uptake at various times of injection. Breneman WR, et al. **Contraception** 1983 Jun;27(6):639–45

Studies on the T3 suppression test by the 24-hour thyroidal 131I uptake in patients with Graves' disease: comparison of the effects of propylthiouracil and methylmercaptoimidazole. Kobayashi I, et al. **Endocrinol Jpn** 1983 Aug;30(4):491–7

Generation of H2O2 in isolated porcine thyroid follicles. Björkman U, et al. **Endocrinology** 1984 Jul;115(1):392–8

Autoregulation by iodine of thyroid protein synthesis: influence of iodine on amino acid transport in cultured thyroid cells. Filetti S, et al. **Endocrinology** 1984 Apr; 114(4):1379–85

Thyrotropin-induced acceleration of calcium efflux from mouse thyroid: evidence for inhibition by excess iodide. Hashizume K, et al. **Endocrinology** 1984 May;114(5):1672–7

Lifelong dietary modulation of calcitonin levels in rats. Kalu DN, et al. **Endocrinology** 1983 Dec;113(6):2010–6

Relevance of the low and high affinity thyrotropin-binding sites of human thyroid membranes to the stimulation of adenylate cyclase. Lefort GP, et al. **Endocrinology** 1984 Mar;114(3):1005–11

Predominance of alpha 2-adrenoceptors in porcine thyroid: biochemical and pharmacological correlations. Muraki T, et al. **Endocrinology** 1984 May;114(5):1645–51

Intraluminal iodination of thyroglobulin. Ofverholm T, et al. **Endocrinology** 1984 Mar;114(3):827–35

Stimulation of phospholipid methylation and thyroid hormone secretion by thyrotropin. Prasad C, et al. **Endocrinology** 1984 Mar;114(3):941–5

Characteristics of the thyroid iodide translocator and of iodide-accumulating phospholipid vesicles. Saito K, et al. **Endocrinology** 1984 Mar;114(3):868–72

Effect of thyrotropin on iodide efflux in FRTL-5 cells mediated by Ca2+. Weiss SJ, et al. **Endocrinology** 1984 Apr;114(4):1108–13

Thyrotropin-stimulated iodide transport mediated by adenosine 3',5'-monophosphate and dependent on protein synthesis. Weiss SJ, et al. **Endocrinology** 1984 Apr; 114(4):1099–107

Iodide transport in a continuous line of cultured cells from rat thyroid. Weiss SJ, et al. **Endocrinology** 1984 Apr; 114(4):1090–8

Radioiodide uptake in brain, CSF, thyroid, and salivary glands of audiogenic seizure mice. Engstrom FL, et al. **Epilepsia** 1984 Aug;25(4):518–25

Evidence for an ATP-driven proton pump in rat thyroid phagolysosomes. Effects of protonophores and ionophores. Fouchier F, et al. **Eur J Biochem** 1983 Nov 15;136(3):553–7

Vitamin A-deficiency impairs the normal mannosylation, conformation and iodination of thyroglobulin: a new etiological approach to endemic goitre. Ingenbleek Y. **Experientia [Suppl]** 1983;44:264–97

Effect of Iodide, methimazole, and thyroxine on thyroidal accumulation of radioiodide in immature domestic fowl. Davison TF, et al. **Gen Comp Endocrinol** 1984 Jan; 53(1):86–9

Determination of absorbed dose to blood, kidneys, testes and thyroid in mice injected with 211At and comparison of testes mass and sperm number in x-irradiated and 211At treated mice. Harrison A, et al. **Health Phys** 1984 Feb; 46(2):377–83

Expression of laminin in thyroid gland and thyroid tumors: an immunohistologic study. Miettinen M, et al. **Int J Cancer** 1984 Jul 15;34(1):27–30

Presence of sulfate in N-glycosidically linked carbohydrate units of calf thyroid plasma membrane glycoproteins. Edge AS, et al. **J Biol Chem** 1984 Apr 25;259(8):4710–3

Functionality of thyroid-stimulating antibodies assessed by cryopreserved human thyroid cell bioassay. Davies TF, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1021–7

Salmon and human calcitonin-like peptides coexist in the human thyroid and brain. Fischer JA, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1314–6

Low molecular weight thyroglobulin leading to a goiter in a 12-year-old girl. Silva JE, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):526–34

Vasoactive intestinal peptide stimulation of human thyroid cell function. Toccafondi RS, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):157–60

Interaction of epidermal growth factor with receptors on human and porcine thyroid membranes. Humphries H, et al. **J Endocrinol** 1984 Jul;102(1):57–61

A possible role for calmodulin in human thyroid cell metabolism. Ollis CA, et al. **J Endocrinol** 1983 Nov; 99(2):251–60

Differences in prostaglandin E2, prostaglandin F2 alpha and prostacyclin contents and their response to thyrotrophin stimulation and in prostaglandin-stimulated cyclic AMP response in normal and Grave's thyroid slices. Takasu N, et al. **J Endocrinol** 1983 Sep;98(3):357–63

Ultrastructural aspects on iodination and hormone secretion in the thyroid gland. Ericson LE. **J Endocrinol Invest** 1983 Aug;6(4):311–24

Thyroid hormone secretion is more sensitive than thyroid cyclic AMP accumulation to stimulation with LATS in mice in vitro and in vivo. Ikeda H, et al. **J Endocrinol Invest** 1984 Feb;7(1):1–6

Graves' IgG stimulation of iodide uptake in FRTL-5 rat thyroid cells: a clinical assay complementing FRTL-5 assays measuring adenylate cyclase and growth-stimulating antibodies in autoimmune thyroid disease. Marcocci C, et al. **J Endocrinol Invest** 1983 Dec;6(6):463–71

Preferential release of triiodothyronine: an intrathyroidal adaptation to reduced serum thyroxine in aging rats. Pekary AE, et al. **J Gerontol** 1983 Nov;38(6):653–9

The effect of magnesium depletion on thyroid function in rats. Hsu JM, et al. **J Nutr** 1984 Aug;114(8):1510–7

Degradation of pre-messenger RNA in bovine thyroid slices; effect of thyrotropin. Champier J, et al. **Mol Cell Biochem** 1983;56(2):123–9

NADPH-dependent H2O2 generation and peroxidase activity in thyroid particular fraction. Virion A, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):95–105

The influence of elevated iodide supply on the autonomously functioning thyroid gland. Waters W, et al. **Nuklearmedizin** 1984 Apr;23(2):93–9

Thyroid function in juvenile diabetes. Castells S. **Pediatr Clin North Am** 1984 Jun;31(3):623–34 (44 ref.)

Metabolic alterations induced by chronic heat exposure in the rat: the involvement of thyroid function. Rousset B, et al. **Pflugers Arch** 1984 May;401(1):64–70

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis in chronic pesticide exposure. III. Effects of the insecticides (dichlorvos and trichlorphon). Nicolau GY. **Physiologie** 1983 Apr-Jun; 20(2):93–101

RHC 80267 inhibits thyrotropin-stimulated prostaglandin release from rat thyroid lobes. Levasseur S, et al. **Prostaglandins** 1984 May;27(5):673–82

[Metabolism of iodine iodophor in the thyroid gland] Görner F, et al. **Nahrung** 1984;28(4):383–7 (Eng. Abstr.) **(Ger)**

[Thyroid gland parameters of healthy euthyroid children from 10 to 16 years of age] Brendel B, et al. **Padiatr Grenzgeb** 1984;23(2):93–8 (Eng. Abstr.) **(Ger)**

[Studies of serum TSH binding substance. Binding of TSH to thyroid plasma membrane] Hashizume K. **Horumon To Rinsho** 1983 Nov;31(11):1119–22 **(Jpn)**

[Changes in the combined activity of the thyroid and the fascicular zone of the adrenal cortical substance in the development of subcutaneous connective tissue inflammation during prolactin administration] Vasil'tsov MK, et al. **Arkh Anat Gistol Embriol** 1983 Dec;85(12):70–5 (Eng. Abstr.) **(Rus)**

[Effect of angiotensin on the accumulation of radioactive iodine by thyroid gland cells] Gerbil'skil LV, et al. **Fiziol Zh** 1984 Mar-Apr;30(2):240–3 **(Rus)**

[Features of energy provisions for thyroid gland function in different courses of traumatic shock] Mikashinovich ZI. **Patol Fiziol Eksp Ter** 1983 Nov-Dec;(6):52–6 (Eng. Abstr.) **(Rus)**

[Effect of thyrotropic hormone on the prostaglandin and cyclic nucleotide/content of human thyroid tissue] Gal'chunskaia VIu. **Probl Endokrinol (Mosk)** 1984 Jan-Feb; 30(1):28–31 (Eng. Abstr.) **(Rus)**

[Determination of the ratio of membrane-bound and free polyribosomes and of the content of thyroglobulin in these fractions in normal thyroid gland cells and in several types of thyroid diseases] Atakhanova BA, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):32–4 (Eng. Abstr.) **(Rus)**

[Trypsin increases the production of cAMP in isolated cells of the thyroid gland] Knopp J, et al. **Cesk Fysiol** 1984; 33(2):119–22 **(Slo)**

PATHOLOGY

The prevalence of thyroid disorders in a middle-aged female population, with special reference to the solitary thyroid nodule. Christensen SB, et al. **Acta Chir Scand** 1984; 150(1):13–9

Relationship between thyroid volume and serum thyroglobulin during long-term suppression with triiodothyronine in patients with diffuse non-toxic goitre. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):184–9

Precocity of the endothelial proliferation during a course of rapid goitrogenesis. Many MC, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):487–91

Pathologic quiz case 1: benign thyroid inclusion in a lymph node. Fechner RE. **Arch Otolaryngol** 1984 Oct; 110(10):698–700

Black thyroid associated with minocycline therapy. Medeiros LJ, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):268–9

Is paroxysmal thyroid swelling due to phaeochromocytoma a forgotten physical sign? Buckels JA, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1206–7

C cell hyperplasia. Williams ED. **Bull Cancer (Paris)** 1984; 71(2):122–4

High incidence of normal thyroid gland volume in patients with Graves' disease. Hegedüs L, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):603–7

Compensatory thyroid hyperplasia in hemithyroidectomized Snell dwarf mice. Lewiński A, et al. **Endocrinology** 1983 Dec;113(6):2317–9

Pure squamous cell carcinoma and mixed adenosquamous cell carcinoma of the thyroid gland. Segal K, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1035–42

Decreased thyroid gland volume in alcoholic cirrhosis of the liver. Hegedüs L. **J Clin Endocrinol Metab** 1984 May; 58(5):930–3

Histological characterization of a lingual mass using thyroglobulin immunoperoxidase staining. Hartzband PI, et al. **J Endocrinol Invest** 1984 Jun;7(3):221–3

Promotion of N-methyl-N-nitrosourea-induced thyroid tumors by iodine deficiency in F344/NCr rats. Ohshima M, et al. **JNCI** 1984 Jul;73(1):289–96

Needle aspiration biopsy of thyroid nodules. Brauer RJ, et al. **Laryngoscope** 1984 Jan;94(1):38–42

Protein kinase patterns in hyperplastic rat thyroids and in human non-toxic nodular goitres. Toru-Delbauffe D, et al. **Mol Cell Endocrinol** 1983 Dec;33(2–3):265–80

Hemangiosarcoma of the thyroid gland. Histological diagnosis problems. Hălălău F, et al. **Morphol Embryol (Bucur)** 1983 Jul–Sep;29(3):195–6

Hyperplastic thyroid lesions in fish. Hoover KL. **Natl Cancer Inst Monogr** 1984 May;65:275–89

The role of fine-needle aspiration biopsy cytology in the management of thyroid neoplasms. Meinders AE. **Neth J Med** 1983;26(8):213–4

Fine-needle aspiration biopsy of the thyroid gland. Petersen SV, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):295–7

Severe thyroid atrophy due to prolonged ingestion of thyroid hormone for treatment of obesity. Mittleman RE, et al. **South Med J** 1984 Feb;77(2):268–70

Folliculogenesis in the thyroid gland of hypomyelinated jimpy mice. Liu KM. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):9–20

[How often is goitre absent in patients with Basedow's disease?] Karstrup S, et al. **Ugeskr Laeger** 1984 Jan 2; 146(1):22–4 (Eng. Abstr.) **(Dan)**

[Riedel's thyroiditis. Apropos of a case with acute massive fibrous development] Contencin P, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(7):527–31 (Eng. Abstr.) **(Fre)**

[Thyroid nodules. Diagnostic value of fine-needle biopsy. 159 surgical patients] Heim M, et al. **Presse Med** 1984 May 26;13(22):1369–72 (Eng. Abstr.) **(Fre)**

[Histologic thyroid gland findings in the newborn infant and infant, with special reference to sudden infant death] Risse M, et al. **Z Rechtsmed** 1984;92(3):205–13 (Eng. Abstr.) **(Ger)**

[Results of microscopic image analysis of the thyroid gland fine needle biopsies] Schuh D, et al. **Zentralbl Allg Pathol** 1984;129(1):35–41 (Eng. Abstr.) **(Ger)**

[A new method of calculation of thyroid weight using computed tomography] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1357–65 (Eng. Abstr.) **(Jpn)**

[A long-term follow-up study of patients with chronic lymphocytic thyroiditis—with special reference to histological findings] Hayashi Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jan 20;60(1):70–8 (Eng. Abstr.) **(Jpn)**

[Histopathologic studies on Graves' disease with an application of cluster analysis: relation of the obtained groups to clinical pictures] Shimazaki M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 May 20;59(5):774–800 (Eng. Abstr.) **(Jpn)**

[Possibility of studying morphofunctional characteristics of interglandular relations within the neuroendocrine system based on multifactorial analysis by the spline method] Khmel'nitskii OK, et al. **Arkh Patol** 1984;46(5):80–3 (Eng. Abstr.) **(Rus)**

[C-cells (parafollicular) and medullary cancer of the thyroid gland] Serezhin BS. **Arkh Patol** 1984;46(5):89–93 (Eng. Abstr.) **(Rus)**

[Structural characteristics of the thyroid and parathyroid C cells of monkeys during head-down tilt hypokinesia] Plakhuta-Plakutina GI, et al. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):73–7 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of the stroma of the goiter-altered thyroid] Vasilenko IV, et al. **Sov Med** 1984; (6):28–32 (Eng. Abstr.) **(Rus)**

[Guided puncture biopsy in the diagnosis of thyroid diseases] Tochilin AV. **Vestn Khir** 1983 Oct;131(10):129–30 **(Rus)**

PHYSIOLOGY

Sex differences of Japanese quails in response to acute cold exposure. Changes in thyroid activity and blood glucose level. Bobek S, et al. **Acta Physiol Pol** 1982 Sep–Dec; 33(5–6):611–9

Control of growth and differentiation by known intracellular signal molecules in endocrine tissues: the example of the thyroid gland. Dumont JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:337–42

Serum thyroglobulin and thyroglobulin autoantibodies in thyroid diseases. Pathogenic and diagnostic aspects. Feldt-Rasmussen U. **Allergy** 1983 Aug;38(6):369–87 (130 ref.)

Swimming exercise, thyroid state, and the distribution of myosin isoenzymes in rat heart. Pagani ED, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H713–20

Role of thyroid in testicular development of immature rat. Chowdhury AR, et al. **Arch Androl** 1984;12(1):49–51

Thyroid gland and epididymal function in rats. II. Sperm motile efficiency. Del Río AG, et al. **Arch Androl** 1983 Aug;11(1):25–8

Effects of dextro-thyroxine, a preparation almost free of levo-thyroxine, on thyroid function, serum lipids and apolipoprotein A-I in 'double pre-beta lipoproteinemia'. Pagnan A, et al. **Atherosclerosis** 1984 Feb;50(2):191–202

Effect of insulin on alpha1-adrenergic actions in hepatocytes from euthyroid and hypothyroid rats. Possible involvement of two pathways in alpha1-adrenergic actions. Pushpendran CK, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):451–9

Insulin modulates thyrotropin-induced follicle reconstruction and iodine metabolism in hog thyroid cells cultured in a chemically defined medium. Sho K, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):385–91

Identification of thyroglobulin mRNA sequences in the nucleus and the cytoplasm of cultured thyroid cells: a post-transcriptional effect of thyrotropin. Tosta Z, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):54–61

Sex- and substrate-dependent effects of the thyroid gland on drug metabolism in the rat. Skett P, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3115–7

The effect of nutritional and thyroid state on the distribution of fatty acids between oxidation and esterification in isolated rat hepatocytes. Stakkestad JA, et al. **Biochim Biophys Acta** 1984 Mar 27;793(1):1–9

In vivo shedding of apical plasma membrane in the thyroid follicle cells of the mouse. Nilsson M, et al. **Cell Tissue Res** 1984;236(1):87–97

TSH neuroregulation and alterations in disease states. Peters JR, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):669–94 (132 ref.)

The thyroid function in young men during prolonged exercise and the effect of energy and sleep deprivation. Opstad PK, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):657–69

Effect of thyrotropin-releasing hormone in pituitary-thyroid system function infertile women after surgical castration. Lecca U, et al. **Clin Exp Obstet Gynecol** 1983;10(4):166–70

Maternal-fetal thyroid function in pregnancy. Fisher DA. **Clin Perinatol** 1983 Oct;10(3):615–26 (51 ref.)

A possible role for the thyroid in reproductive inhibition in laboratory populations of the prairie deermouse (Peromyscus maniculatus). Peebles ED, et al. **Comp Biochem Physiol [A]** 1984;77(2):293–8

Modification of testicular and thyroid function by chronic exposure to short photoperiod: a comparison in four rodent species. Petterborg LJ, et al. **Comp Biochem Physiol [A]** 1984;78(1):31–4

The effect of altered thyroid status on lipid metabolism in Nubian goats. Ibrahim RE, et al. **Comp Biochem Physiol [B]** 1984;77(3):507–12

Thyroid function tests in thyroid and nonthyroid disease. Trainer TD, et al. **CRC Crit Rev Clin Lab Sci** 1983; 19(2):135–71 (358 ref.)

Radiochemical evaluation of thyroid function in healthy and goitrous (non-toxic) Sierra Leoneans. Knox-Macaulay HH. **East Afr Med J** 1983 Apr;60(4):249–52

Autoregulatory control of thyrotropin in rabbits. Kakita T, et al. **Endocrinology** 1984 Jun;114(6):2301–5

Relationship of antral gastrin cells and serum gastrin to thyroid function in the rat. Mulholland MW, et al. **Endocrinology** 1984 Mar;114(3):840–4

Lack of prostaglandin involvement in the mitogenic effect of TSH on canine thyroid cells in primary culture. Roger PP, et al. **FEBS Lett** 1984 Jan 23;166(1):136–40

The effects of thyroidectomy on androgen and prolactin receptors in the dorsal skin and caudal fin of Triturus cristatus carnifex. d'Istria M, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):153–8

Thyroid and adrenal responses of ducks (Anas platyrhynchos) during saline adaptation. Harvey S, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):46–53

Thyroid and annual gonad development, body weight, plumage pigmentation, and bill color cycles of lal munia, Estrilda amandava. Thapliyal JP, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):20–8

Hypothalamo-adenohypophyseal-thyroid interrelationships in the chick embryo. V. The effects of thyroidectomy on T4 levels in blood plasma. Thommes RC, et al. **Gen Comp Endocrinol** 1984 May;54(2):324–7

Thyroid function following radiation and surgical therapy in head and neck malignancy. Zohar Y, et al. **Head Neck Surg** 1984 May–Jun;6(5):948–52

Modulation by glycerol of hepatic glycero-3-phosphate concentration, ketogenesis, and output of triglyceride and glucose in perfused livers from hyperthyroid and euthyroid rats. Olubadewo J, et al. **J Biol Chem** 1984 Jul 25; 259(14):8857–62

Pituitary-thyroid hormone economy in healthy aging men: basal indices of thyroid function and thyrotropin responses to constant infusions of thyrotropin releasing hormone. Harman SM, et al. **J Clin Endocrinol Metab** 1984 Feb; 58(2):320–6

Adrenal hormones and oxidative metabolism of the garden lizard (Calotes versicolor). Gupta BB, et al. **J Endocrinol** 1983 Nov;99(2):211–6

Electrophysiological and morphological cell polarity and iodine metabolism in cultured porcine and human (normal and Graves') thyroid cells. Takasu N, et al. **J Endocrinol** 1984 May;101(2):189–96

The adaptation of the human thyroid gland to a physiological regimen of iodide intake: evidence for a transitory inhibition of thyroid hormone secretion modulated by the intrathyroidal iodine stores. Jonckheer MH, et al. **J Endocrinol Invest** 1983 Aug;6(4):267–72

Thyroglobulin entering into molecular biology. Lissitzky S. **J Endocrinol Invest** 1984 Feb;7(1):65–76

Euthyroid hyperthyroxinemia. Rajatanavin R, et al. **J Endocrinol Invest** 1983 Dec;6(6):493–505 (142 ref.)

Environmental salinity and the thyroidal response to thyrotropin in juvenile coho salmon (Oncorhynchus kisutch). Specker JL, et al. **J Exp Zool** 1984 May; 230(2):329–33

Increased risk of primary hypothyroidism in preterm infants. Delange F, et al. **J Pediatr** 1984 Sep;105(3):462–9 (56 ref.)

Thyroid status, oestradiol level, work performance and body mass of ovariectomised bitches and bitches bearing ovarian autotransplants in the stomach wall. Le Roux PH. **J S Afr Vet Assoc** 1983 Jun;54(2):115–7

Functional endocrine modification of the thyroid following ovariectomy in the canine. Van der Walt JA, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):225–9

Changes in the effects of clonidine on left atrium and hindlimb vasculature of rats in various thyroid states. A study of the responsiveness of alpha 2-adrenoceptors in the cardiovascular system. Ohguchi S, et al. **Jpn Heart J** 1984 May;25(3):425–37

A study of thyroid function in the pre- and post-menopause. Bottiglioni F, et al. **Maturitas** 1983 Aug;5(2):105–14

Pituitary-thyroid activity and longevity in neonatally thyroxine-treated rats. Ooka H, et al. **Mech Ageing Dev** 1983 Jun;22(2):113–20

Polarized multicellular structures designed for the in vitro study of thyroid cell function and polarization. Mauchamp J, et al. **Methods Enzymol** 1983;98:477–86

Thyroid function at high altitude [letter] Wright AD, et al. **N Engl J Med** 1984 May 17;310(20):1334

Effects of TRH injection on hippocampal-hypothalamic-pituitary-thyroid interactions. Murphy HM, et al. **Peptides (Fayetteville)** 1983 Sep–Oct; 4(5):735–7

Involvement of the thyroid gland in the response of young chickens to heat stress. Bowen SJ, et al. **Poult Sci** 1984 Jan;63(1):66–9

Thyroid activity of selected, nonselected, and dwarf broiler lines. May JD, et al. **Poult Sci** 1983 Sep;62(9):1721–4

Quantitative investigation of hepatic genomic response to hormonal and pathophysiological stimuli by multivariate analysis of two-dimensional mRNA activity profiles. Carr FE, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):974–8

Effect of thyroidectomy and thyroxine on 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) induced toxicity. Rozman K, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):372–6

[Changes in the total protein, cholesterol and blood sugar levels in thyroidectomized pigs] Petkov PI, et al. **Vet Med Nauki** 1983;20(9):45–50 (Eng. Abstr.) **(Bul)**

[Functional relations between the adrenal cortex, thyroid gland and pineal body. I. Reactions of the adrenal cortex following interference with the thyroid regulatory cycle] Peschke E, et al. **Gegenbaurs Morphol Jahrb** 1983; 129(5):599–624 (Eng. Abstr.) **(Ger)**

[Function of the pituitary-thyroid axis after partial resection of the thyroid] Paleari F, et al. **Minerva Med** 1984 Mar 31;75(13):741–7 (Eng. Abstr.) **(Ita)**

[Pathogenesis of hot flushes in the climacteric syndrome] Smetnik VP, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):8–10 (16 ref.) (Eng. Abstr.) **(Rus)**

[Effect of thyroidectomy on the histochemical and electrophysiological properties of the soleus muscle in rats] Rezviakov NP, et al. **Arkh Anat Gistol Embriol** 1983 Dec; 85(12):65–9 (Eng. Abstr.) **(Rus)**

[Systemic evaluation of thyroid function in women and men from radioimmunoassay data] Morozov SL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):48–52 (Eng. Abstr.) **(Rus)**

[Correlation between the ATPase activity of the mammary gland and the level of functional activity of the thyroid

gland during different periods of pregnancy and lactation] Otarova DD, et al. **Nerv Sist** 1983;24:85–9 (23 ref.) **(Rus)**

[Effect of thyroidectomy on the beta-cell function of the pancreatic islet apparatus] Poltorak VV, et al. **Probl Endokrinol (Mosk)** 1984 Mar–Apr;30(2):76–81 (Eng. Abstr.) **(Rus)**

[Role of the thyroid gland in developing the genetic effects of microwaves of nonthermal intensity] Antipenko EN, et al. **Radiobiologiia** 1984 May–Jun;24(3):406–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Spontaneous pituitary–thyroid function after surgical treatment of nontoxic goitre. A controlled long–term study. Aagaard J, et al. **Acta Chir Scand** 1984;150(2):123–7

The hypothalamic–pituitary–thyroid axis in type 1 diabetes: influence of diabetic metabolic control. MacFarlane IA, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):92–6

Thyroid function changes [letter] Rothwell KG. **Am J Dis Child** 1984 Jul;138(7):700–1

The endocrine responses to protein calorie malnutrition. Becker DJ. **Annu Rev Nutr** 1983;3:187–212 (229 ref.)

Endocrine dysfunction in chronic renal failure. Mooradian AD, et al. **Arch Intern Med** 1984 Feb;144(2):351–3 (30 ref.)

Thyroid epididymal relationship. II. Influence of hyperthyroidism on epididymal lipids. Pereira BM, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):207–13

Thyroid function and immunological activity during and after medical treatment of Graves' disease. Gossage AA, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):87–96

Natural history of thyroid function in diabetics with impaired thyroid reserve: a four year controlled study. Gray RS, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):445–51

Pituitary and thyroid insufficiency in thalassaemic haemosiderosis. Livadas DP, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):435–43

Thyroid function in patients with homozygous beta–thalassaemia. Phenekos C, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):445–50

More on thyroid status in patients with chronic renal failure: effect of glucose intolerance on serum reverse T3 [letter] De Marchi S, et al. **Clin Nephrol** 1984 May;21(5):303–4

Thyroid function in infancy. Jacobsen BB. **Dan Med Bull** 1983 Sep;30(5):281–309 (316 ref.)

Endocrine ophthalmopathy: current ideas concerning etiology, pathogenesis, and treatment. Jacobson DH, et al. **Endocr Rev** 1984 Spring;5(2):200–20 (311 ref.)

Significant fluctuation of thyroid function in children with chronic lymphocytic thyroiditis. Sasaki N, et al. **Endocrinol Jpn** 1983 Apr;30(2):219–28

Thyroid function in early breast cancer. Thomas BS, et al. **Eur J Cancer Clin Oncol** 1983 Sep;19(9):1213–9

Pituitary–thyroid function during acute immobilization stress in rats. Langer P, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):51–60

Thyroid status in the obese syndrome of rats. Durbin–Naltchayan S, et al. **Horm Metab Res** 1983 Nov; 15(11):547–9

Acute lymphoblastic leukemia with swellings of thyroid and hard palate [letter] Goel RG, et al. **Indian Pediatr** 1983 Aug;20(8):614–5

Thyroid status and nephron loss—a study in patients with chronic renal failure, end stage renal disease and/or on hemodialysis. Giordano C, et al. **Int J Artif Organs** 1984 May;7(3):119–22

Precipitation of the thyrotropin receptor and identification of thyroid autoantigens using Graves' disease immunoglobulins. Heyma P, et al. **J Clin Invest** 1984 Sep; 74(3):1090–7

Hypothalamic–pituitary–thyroid axis in acromegaly. Carmina E, et al. **J Endocrinol Invest** 1983 Aug;6(4):263–6

Study of the pituitary–thyroid axis in euthyroid goiter after partial thyroidectomy. Lombardi G, et al. **J Endocrinol Invest** 1983 Dec;6(6):485–7

Diagnosis of thyroid dysfunction: applied kinesiology compared to clinical observations and laboratory tests. Jacobs GE, et al. **J Manipulative Physiol Ther** 1984 Jun; 7(2):99–104

Effect of thyroid function on number of Na–K pumps in human skeletal muscle. Kjeldsen K, et al. **Lancet** 1984 Jul 7;2(8393):8–10

Thyroid status and muscle protein breakdown as assessed by urinary 3–methylhistidine excretion: study in thyrotoxic patients before and after treatment. Rodier M, et al. **Metabolism** 1984 Jan;33(1):97–100

The effects of carbamazepine on the thyrotropin response to thyrotropin–releasing hormone. Joffe RT, et al. **Psychiatry Res** 1984 Jun;12(2):161–6

Airway response to inhaled salbutamol in hyperthyroid and hypothyroid patients before and after treatment. Harrison RN, et al. **Thorax** 1984 Jan;39(1):34–9

[Radioisotopic and biochemical parallels in various diseases of the thyroid gland] Boiadzhieva P, et al. **Vutr Boles** 1983; 22(6):91–5 (Eng. Abstr.) **(Bul)**

[The thyroid and adrenal glands in rats chronically exposed to an intense electric field] Portet R. **C R Soc Biol (Paris)** 1983;177(3):290–5 (Eng. Abstr.) **(Fre)**

[Assay of the free fraction of thyroxine. Its role in the study of thyroid function] Jallet P, et al. **Presse Med** 1984 Feb 4;13(4):205–8 (Eng. Abstr.) **(Fre)**

[Thyroid function in the nephrotic syndrome] Hatron PY, et al. **Rev Med Interne** 1984 Mar;5(1):35–42 (Eng. Abstr.) **(Fre)**

[Physiopathological studies of thyroid function in calves. 3. Thyroid function in the clinically sick calf] Leirer R, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):234–44 (Eng. Abstr.) **(Ger)**

[The effect of nonthyroidal diseases on the serum hormone level of the thyroid gland function regulation cycle] Weissel M. **Fortschr Med** 1983 Aug 4;101(29):1340–3 (Eng. Abstr.) **(Ger)**

[Evaluation of thyroid function study with the ARIA II automated RIA system] Imazeki K, et al. **Kaku Igaku** 1984 Jan;21(1):59–67 **(Jpn)**

[Clinical study on the thyroid function in chronic renal failure] Kijima Y. **Nippon Jinzo Gakkai Shi** 1983 Aug; 25(8):983–91 (Eng. Abstr.) **(Jpn)**

[Pituitary–thyroid function in patients with Cushing's syndrome—comparative study before and after extirpation of adrenal cortex tumor] Kitahara H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1086–98 (Eng. Abstr.) **(Jpn)**

[A study of hypothalamus–pituitary–thyroidal axis in chronic liver disease] Sasagawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):123 **(Jpn)**

[Low T3 syndrome with euthyroidism in severe systemic diseases] Maciel RM, et al. **AMB** 1983 Mar–Apr; 29(3–4):63–6 (Eng. Abstr.) **(Por)**

[Effect of a hypoxic–hypercapnic gaseous medium and lowered temperature on the functional state of the rat hypothalamo–hypophyseal–thyroid system] Mogutov SS, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):136–9 (Eng. Abstr.) **(Rus)**

[Diagnosis and surgical treatment of retrosternal and intrathoracic goiter] Galeev MA, et al. **Grudn Khir** 1983 Nov–Dec;(6):56–60 (Eng. Abstr.) **(Rus)**

[Status of the hypothalamo–hypophyseo–thyroid system during surgical treatment of euthyroid forms of nodular goiter] Kuznetsov AA, et al. **Klin Khir** 1983 Dec;(12):7–8 (Eng. Abstr.) **(Rus)**

[Effect of economical surgery in nodular euthyroid goiter on the status of the pituitary–thyroid system] Mazurik MF, et al. **Klin Khir** 1983 Dec;(12):50–1 **(Rus)**

[Thyroid and hypophyseal function during radiation therapy of breast cancer] Iakimova TP, et al. **Med Radiol (Mosk)** 1984 Apr;29(4):55–8 (Eng. Abstr.) **(Rus)**

[Thyroid function of the mother and fetus in congenital hypothyreosis (hormono–metric and histomorphologic aspects of the fetal thyroid gland)] Balabolkin MI, et al. **Pediatriia** 1984 Mar;(3):19–27 (Eng. Abstr.) **(Rus)**

[State and interrelation of the immune and endocrine systems in children with rheumatism] Katricheva–Loginova LV, et al. **Pediatriia** 1984 May;(5):38–41 (Eng. Abstr.) **(Rus)**

[Thyroid function in children with various forms of rickets] Kovalenko TV. **Pediatriia** 1984 Mar;(3):59–60 **(Rus)**

[Thyroid gland hypofunction during separate and combined radiation–thermal injury] Chureeva LN, et al. **Radiobiologiia** 1984 May–Jun;24(3):390–4 (Eng. Abstr.) **(Rus)**

[Role of disorders of the hypothalamo–hypophyseo–thyroid system in the development of postoperative hypothyroidism] Kalinin AP, et al. **Ter Arkh** 1983; 55(10):126–31 (131 ref.) **(Rus)**

[The hypothalamo–hypophyseo–thyroid axis in psychiatric disorders. Review] Gurpegui M, et al. **Arch Neurobiol (Madr)** 1983 Mar–Apr;46(2):79–108 (170 ref.) (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Acute response of the thyroid to external radiation. Holten I. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1983; 283:1–111

Nuclear reactor accidents—the use of KI as a blocking agent against radioiodine uptake in the thyroid—a review. Crocker DG. **Health Phys** 1984 Jun;46(6):1265–79 (40 ref.)

Accumulation of 125I in the thyroid glands of laboratory workers. Kiviniitty K, et al. **Health Phys** 1984 Jan; 46(1):234–6

Managing thyroid abnormalities in adults exposed to upper body irradiation in childhood: a decision analysis. Should patients without palpable nodules be scanned and those with scan defects be subjected to subtotal thyroidectomy? Stockwell RM, et al. **J Clin Endocrinol Metab** 1984 May; 58(5):804–12

Radiation and thyroid cancer [letter] Makarewicz CR. **JAMA** 1984 Mar 9;251(10):1280

Thyroid tumors associated with radiation exposure. Silverman C. **Public Health Rep** 1984 Jul–Aug;99(4):369–73

Differential rates of loss of chromosomes aberrations in rat thyroids after X rays or neutrons. Scott D, et al. **Radiat Res** 1984 Jan;97(1):64–70

Reducing radiation doses to the breast, thyroid and gonads during diagnostic radiography. Part 2. Measurement of doses to the gonads during radiography of the pelvis. Weatherburn GC. **Radiography** 1983 Aug;49(584):195–202

Thyroid gland morphology in young adults: normal subjects versus those with prior low–dose neck irradiation in childhood. Hanson GA, et al. **Surgery** 1983 Dec;94(6):984–8

Effects of radiation on parafollicular C cells of the thyroid gland. Shah KH, et al. **Surgery** 1983 Dec;94(6):989–94

[Etiology of thyroid tumors] Bellabarba D. **Union Med Can** 1983 Dec;112(12):1112–6 (Eng. Abstr.) **(Fre)**

[Radiation health evaluation of the irradiation of the thyroid gland in children during thoracic radiography] Kostenetskii MI. **Gig Sanit** 1983 Sep;(9):64 **(Rus)**

[Screening the thyroid gland in x–ray diagnostic studies of the organs of the thoracic cavity] Belov SA, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):71–4 (Eng. Abstr.) **(Rus)**

[Effect of ultraviolet radiation and a warming microclimate on thyroid function] Shvalko II, et al. **Vrach Delo** 1984 Jul;(7):116–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography in the evaluation of thyroid disease. Silverman PM, et al. **AJR** 1984 May;142(5):897–902

High–resolution ultrasonography and computed tomography of thyroid lesions in patients with hyperparathyroidism. Stark DD, et al. **Surgery** 1983 Dec;94(6):863–8

[Lymphangiography of the thyroid in hyperthyroidism] Jiang Q. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug; 17(3):170–1 (Eng. Abstr.) **(Chi)**

[Evaluation of percutaneous thyroidography in diagnosis of thyroid tumor] Shou SM. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):385–7 (Eng. Abstr.) **(Chi)**

[Selective thyroid arteriography in the diagnosis of thyroid neoplasms] Morita Y. **Rinsho Hoshasen** 1981 Dec; 26(13):1379–84 (Eng. Abstr.) **(Jpn)**

[Unilateral intrathyroid lymphography] Martula M, et al. **Wiad Lek** 1983 Aug 15;36(16):1329–32 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Tomographic scintigraphy of retrotracheal goiter. Cawthon MA, et al. **Clin Nucl Med** 1984 Jan;9(1):45–6

Vascular retention of Tc–99m pertechnetate simulating ectopic or metastatic thyroid tissue. López OL, et al. **Clin Nucl Med** 1983 Oct;8(10):503–4

Ga–67 positivity in sarcoidosis of the skin with coincident thyroid uptake of uncertain etiology. Moreno AJ, et al. **Clin Nucl Med** 1984 Mar;9(3):165–6

Visualization of the thyroid during cardiac imaging [letter] Clarke S, et al. **J Nucl Med** 1984 Jun;25(6):734–5

Is thyroid scintigraphy necessary before I–131 therapy for hyperthyroidism? Concise communication. Ripley SD, et al. **J Nucl Med** 1984 Jun;25(6):664–7

Radionuclide thyroid studies: a survey of practice in the United States in 1981. Special report. Parker TW, et al. **Radiology** 1984 Feb;150(2):547–50

Thyroid imaging—nonvisualization of one thyroid lobe. Lin DS. **Semin Nucl Med** 1983 Oct;13(4):393–4

Thyroid imaging—mediastinal uptake in thyroid imaging. Lin DS. **Semin Nucl Med** 1983 Oct;13(4):395–6

Gallium–citrate thyroid scan in detecting and predicting the evolution of silent thyroiditis. Hsu CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1223–8

[Diagnostic value of radioisotope methods of studying the thyroid of sheep] Georgiev P. **Vet Med Nauki** 1984; 21(4):42–8 (Eng. Abstr.) **(Bul)**

[Value of thallium scintigraphy in thyroid pathology] Cannoni M, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(1):43–5 (Eng. Abstr.) **(Fre)**

[Global and regional computer–assisted functional topography of the thyroid. A simple self–calibrating method for supplementing gamma–camera–thyroid–gland scintigraphy] Standke R, et al. **Nuklearmedizin** 1983 Dec; 22(6):288–93 (Eng. Abstr.) **(Ger)**

[Thyroid scintigraphy of Plummer's disease] Nishigachi I, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1533–4 **(Jpn)**

[Thyroid scintigraphy. The diagnostic value in the prediction of solitary thyroid nodules. A prospective study of 202 patients] Solem JH, et al. **Tidsskr Nor Laegeforen** 1984 Feb 20;104(5):297–9 (Eng. Abstr.) **(Nor)**

[Direct lymphography and radionuclide scanning in the diagnosis of thyroid diseases] Tochilin AV. **Klin Med (Mosk)** 1984 Jun;62(6):111–3 (Eng. Abstr.) **(Rus)**

SECRETION

Effects of in vivo triiodothyronine and long acting thyroid stimulator (LATS) administration on the vitro thyroid cAMP response to thyrotrophin and LATS. Ikeda H, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):193–8

Influence of colchicine and vinblastine on the intracellular migration of secretory and membrane glycoproteins: II. Inhibition of secretion of thyroglobulin in rat thyroid follicular cells as visualized by radioautography after 3H–fucose injection. Wild G, et al. **Am J Anat** 1984 Aug; 170(4):531–43

Effects of vasoactive intestinal polypeptide on hypothalamic–pituitary–thyroid axis in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):93–100

Somatostatin and calcitonin release from perfused dog thyroid lobes. Studies with calcium and pentagastrin. Laurberg P. **Endocrinology** 1984 Jun;114(6):2234–41

Mechanism of cholinergic inhibition of dog thyroid secretion in vitro. Unger J, et al. **Endocrinology** 1984 Apr; 114(4):1266–71

Forskolin stimulation of thyroid secretion of T4 and T3. Laurberg P. **FEBS Lett** 1984 May 21;170(2):273–6

Use of the perifusion technique on rat thyroid fragments in the study of thyroid hormone secretion: short-term effects of thyrotrophin, theophylline and glucagon. Attali JR, et al. **J Endocrinol** 1984 Jul;102(1):43–8

Thyroidal release after oral administration of TRH in normal subjects. Golstein J, et al. **J Endocrinol Invest** 1983 Oct; 6(5):385–7

Effects of trypan blue on thyroid secretion: localization of trypan blue within the colloid space and phagolysosomes of thyroid follicles. Peake RL, et al. **J Endocrinol Invest** 1983 Jun;6(3):161–7

Calcitonin secretion during postnatal development in the rat: beta-adrenergic agents and vitamin D3 metabolites. Besnard P, et al. **J Physiol (Paris)** 1982–83;78(9):854–60

Mechanisms governing the relative proportions of thyroxine and 3,5,3'-triiodothyronine in thyroid secretion. Laurberg P. **Metabolism** 1984 Apr;33(4):379–92 (146 ref.)

Influence of VIP on thyroid hormone secretion. Ahrén B. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):305–7

[Thyrotrophin releasing hormone (TRH) stimulates the secretion of T4 by perfused thyroid fragments from rats] Attali JR, et al. **C R Seances Acad Sci [III]** 1984;298(4):93–6 (Eng. Abstr.) (Fre)

[Disorders of thyroid function in pregnancy] Gembicki M. **Endokrynol Pol** 1984;35(2):61–78 (Pol)

[Clinical usefulness of various indicators of triiodothyronine and thyroxine levels for the differential diagnosis of euthyroidism and hyperthyroidism] Zaorska-Rajca J, et al. **Endokrynol Pol** 1984;35(2):79–85 (Eng. Abstr.) (Pol)

SURGERY

Endolaryngeal devices for perioperative identification and functional testing of the recurrent nerve. Hvidegaard T, et al. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):292–4

TRANSPLANTATION

Immunogenicity of the mutated H-2Kbm1 antigen(s). Test of thyroid graft rejection between B6.C-H-2bm1 and C57BL/6 mice following reciprocal immunization with normal versus malignant cells. Isakov N, et al. **Immunobiology** 1983 Dec;165(5):485–99

Unidirectional thyroid graft rejection between B10.S and B10.S(7R) mouse strains. Isakov N, et al. **Transplantation** 1984 Mar;37(3):269–76

Thyroid graft rejection between C57BL/6 and H-2Kb mutant mice. Differences in the immunogenic expression of the mutated molecule on thyroids of six different mutants. Isakov N, et al. **Transplantation** 1983 Nov; 36(5):571–7

ULTRASTRUCTURE

Postnatal development of the thyroid gland in the opossum (Didelphis virginiana). Krause WJ, et al. **Acta Anat (Basel)** 1983;116(4):322–38

Immunoelectron microscopic localization of thyroglobulin (TG) in the thyroid gland in Basedow's disease. Nakayama I, et al. **Acta Pathol Jpn** 1983 May;33(3):523–35

Basement membrane maintenance in cultures of isolated thyroid follicles. Alquier C, et al. **Biol Cell** 1983;49(2):183–6

Ultrastructural observations on the formation of follicles in the human fetal thyroid. Chan AS. **Cell Tissue Res** 1983; 233(3):693–8

Relation of structural polarity to responses of cyclic 3', 5'-adenosine monophosphate accumulation and thyroid hormone release in cultured human thyroid follicles. Tamaki H, et al. **Endocrinol Jpn** 1984 Apr;31(2):99–108

An ecto-ATPase of thyroidal cell membrane. Yoshimura Y, et al. **Endocrinol Jpn** 1983 Dec;30(6):769–75

Quantitative histological and electron microscopical investigations of endocrine organs of sand rats (Psammomys obesus) during the development of diabetes mellitus. Von Dorsche HH. **Histochem J** 1984 Apr; 16(4):409–11

Abnormal iodoprotein distribution and resistance to proteolysis in Gunn rat black thyroid. An ultrastructural and biochemical study. Benathan M, et al. **Virchows Arch [Cell Pathol]** 1983;44(3):323–36

[Localization of iron and sulfur in the lysosomes of thyroid epithelium using electron probe microanalysis and X-ray spectrometry] Larras-Regard E. **C R Soc Biol (Paris)** 1984; 178(2):125–9 (Eng. Abstr.) (Fre)

[Characteristics of membrane thyrotropin receptor] Czarnocka B. **Endokrynol Pol** 1983;34(2):115–28 (Eng. Abstr.) (Pol)

[Solubilization and partial characteristics of TSH receptor from bovine thyroid plasma membranes] Czarnocka B. **Endokrynol Pol** 1983;34(2):129–42 (Eng. Abstr.) (Pol)

[Thyroglobulin biosynthesis and the content of thyroglobulin polyribosomes of the thyroid gland cells in the normal state and in various types of thyroid pathology] Turakulov IaKh, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):38–41 (Eng. Abstr.) (Rus)

[Quantitative analysis of the changes in the nuclear apparatus of thyrocytes in experimental thyroid hyperfunction] Mel'nik BE, et al. **Tsitol Genet** 1984 Jul–Aug;18(4):271–8 (Eng. Abstr.) (Rus)

THYROID GLAND, DESICCATED see under **THYROID HORMONES**

THYROID HORMONES

see related
THYROGLOBULIN

Trials of culturing of mycobacterium leprae using media enriched with thyroid hormones. Massalski W, et al. **Mater Med Pol** 1983 Jan–Jun;15(1–2):13–4

ADMINISTRATION & DOSAGE

Hypopituitarism who had undergone prolonged treatment with thyroid hormones alone for primary hypothyroidism. Endo Y. **Jpn J Med** 1983 Aug;22(3):223–6

[Hormonal control of the management of pregnancy in insufficient thyroid function] Bagramian ER, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):73–6 (Rus)

[Intermittent use of thyroidin and triiodothyronine following surgical treatment of nodular euthyroid goiter] Kuznetsov AA, et al. **Vrach Delo** 1984 Mar;(3):90–2 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Breast cancer in hypothyroid women using thyroid supplements. Hoffman DA, et al. **JAMA** 1984 Feb 3; 251(5):616–9

Part-of-the-day hypertriiodothyroninemia caused by desiccated thyroid [letter] Lev-Ran A. **JAMA** 1983 Nov 25;250(20):2790–1

Hypopituitarism who had undergone prolonged treatment with thyroid hormones alone for primary hypothyroidism. Endo Y. **Jpn J Med** 1983 Aug;22(3):223–6

Severe thyroid atrophy due to prolonged ingestion of thyroid hormone for treatment of obesity. Mittleman RE, et al. **South Med J** 1984 Feb;77(2):268–70

[Ischemic cardiac complications of replacement therapy in hypothyroidism] Nissimov R. **Harefuah** 1984 Jan 15; 106(2):72–3 (Eng. Abstr.) (Heb)

[Pituitary dwarfism that showed Perthes-like symptoms during thyroid hormone administration] Fujita K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:14–6 (Jpn)

[Hyperthyroidism caused by treatment with thyroid preparations] Misztela G, et al. **Pol Tyg Lek** 1983 Apr 18; 38(16):485–7 (Eng. Abstr.) (Pol)

ANALYSIS

A fast derivatization method for the gas chromatographic analysis of thyroid hormonal compounds. Hušek P, et al. **J Chromatogr** 1984 Apr 20;288(1):215–20

Women on thyroid hormone therapy: pregnancy course, fetal outcome, and amniotic fluid thyroid hormone level. Pekonen F, et al. **Obstet Gynecol** 1984 May;63(5):635–8

Thyroid hormone content of breast milk [letter] Oberkotter LV. **Pediatr Res** 1983 Dec;17(12):1021

[Comparison of quantity of thyroxine in thyroglobulin and the peptide hormones derived from chromatography and immunoenzyme assay] Lejeune PJ, et al. **C R Seances Acad Sci [III]** 1984;298(15):415–8 (Eng. Abstr.) (Fre)

[The prognostic value of the determination of thyroid hormones] Emrich D, et al. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1915–21 (Eng. Abstr.) (Ger)

ANTAGONISTS & INHIBITORS

Serum thyroglobulin, a monitor of differentiated thyroid carcinoma in patients receiving thyroid hormone suppression therapy: concise communication. Blahd WH, et al. **J Nucl Med** 1984 Jun;25(6):673–6

BIOSYNTHESIS

Thyroglobulin and thyroid hormone synthesis. Cody V. **Endocr Res** 1984;10(1):73–88 (55 ref.)

BLOOD

An approach to investigation of the changing pattern of plasma cyclic nucleotides and their correlation with thyroid hormone in hyperthyroid patients before and after 131I treatment. Zhang YG, et al. **Acta Acad Med Wuhan** 1983; 3(4):242–7

Ultrastructural detection of the onset of pituitary thyrotroph sensitivity to lowered thyroid hormone concentrations in the fetal sheep. Perry RA, et al. **Acta Anat (Basel)** 1983; 117(1):42–50

Thyroid hormones, catecholamine and cortisol concentrations after upper abdominal surgery. Rutberg H, et al. **Acta Chir Scand** 1984;150(4):273–8

The hypothalamic-pituitary-thyroid axis in type 1 diabetes: influence of diabetic metabolic control. MacFarlane IA, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):92–6

Thyroid function in patients on maintenance hemodialysis. Stefanović V, et al. **Acta Med Iugosl** 1984;38(2):119–25

Changes in the plasma concentrations of thyroid hormones and sexual steroids during forced molt of male and female domestic chickens. Pethes G, et al. **Acta Vet Acad Sci Hung** 1982;30(4):193–201

Hormonal changes in normal men under marginally negative energy balance. Garrel DR, et al. **Am J Clin Nutr** 1984 Jun;39(6):930–6

Alteration in thyroid hormone concentration during and after coronary bypass operation. Paschen U, et al. **Ann Endocrinol (Paris)** 1983;44(4):239–42

The thyroid and glucose intolerance in uremia [letter] De Marchi S, et al. **Ann Intern Med** 1983 Dec;99(6):883–4

Estimation of a physiologic replacement dose of levothyroxine in elderly patients with hypothyroidism. Davis FB, et al. **Arch Intern Med** 1984 Sep;144(9):1752–4

Serum thyroid hormone indexes in patients with primary hyperparathyroidism. Kaptein EM, et al. **Arch Intern Med** 1984 Feb;144(2):313–5

Effects of manganese ions on thyroid function in rat. Buthieau AM, et al. **Arch Toxicol** 1983 Nov;54(3):243–6

Behaviour of serum T3, rT3, TT4, FT4 and TSH levels after exercise on a bicycle ergometer in healthy euthyroid male young subjects. Licata G, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):753–9

Immediate effects of heavy exercise on the circulating thyroid hormones. Siddiqui AR, et al. **Br J Sports Med** 1983 Sep; 17(3):180–3

Total and free thyroid hormone concentrations in patients receiving maintenance replacement treatment with thyroxine. Pearce CJ, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):693–5

Thyroid hormone concentrations after exogenous thyroxine [letter] Soppi E, et al. **Br Med J [Clin Res]** 1984 Apr 14; 288(6424):1157

Thyroid dysfunction after radiotherapy in children with Hodgkin's disease. Constine LS, et al. **Cancer** 1984 Feb 15;53(4):878–83

Thyroid function tests. Alexander NM. **Clin Chem** 1984 Jun; 30(6):827–8

'Unbound analog' radioimmunoassays for free thyroxin (Amerlex free thyroxin) and the effect of albumin and non-thyroidal illness [letter] Deadman NM, et al. **Clin Chem** 1984 Feb;30(2):344

Interrelationships among body mass, thyrotropin, thyroid hormones, and thyroid-hormone binding proteins in healthy 70-year-old men. Edén S, et al. **Clin Chem** 1984 May;30(5):681–6

Free thyroid hormone estimates related to measurements of total serum thyroid hormone levels and free thyroid hormone indices [letter] Van de Vyver FL, et al. **Clin Chem** 1983 Oct;29(10):1866–7

Alteration of hormone levels in normal males given the anabolic steroid stanozolol. Small M, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):49–55

Thymic hormone containing cells. IV. Fluctuations in the thyroid hormone levels in vivo can modulate the secretion of thymulin by the epithelial cells of young mouse thymus. Savino W, et al. **Clin Exp Immunol** 1984 Mar;55(3):629–35

Seasonal relationships of thyroid, sexual and adrenocortical hormones to nutritional parameters and climatic factors in white-tailed deer (Odocoileus virginianus) of south Texas. Chao CC, et al. **Comp Biochem Physiol [A]** 1984; 77(2):299–306

Interrelationships between body weight, food consumption and plasma thyroid hormone concentration cycles in the woodchuck, Marmota monax. Young RA. **Comp Biochem Physiol [A]** 1984;77(3):533–6

Thyroid hormones and arterial distensibility in man. Felt V, et al. **Czech Med** 1984;7(2):90–9

Thyroid function in infancy. Jacobsen BB. **Dan Med Bull** 1983 Sep;30(5):281–309 (316 ref.)

Thyroid function and prolactin levels in insulin-dependent diabetic children and adolescents. Salardi S, et al. **Diabetes** 1984 Jun;33(6):522–6

Serum thyroid hormone levels in colostrum deprived piglets and calves. Slebodziński AB, et a'. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):263–70

Thyrotropin-releasing hormone stimulates body weight gain and increases thyroid hormones and growth hormone in plasma of cockerels. Leung FC, et al. **Endocrinology** 1984 Aug;115(2):736–40

The effects of amiodarone on serum thyroid hormones and hepatic thyroxine 5'-monodeiodination in rats. Sogol PB, et al. **Endocrinology** 1983 Oct;113(4):1464–9

Measurement of free thyroid hormones in patients on long-term phenytoin therapy. Franklyn JA, et al. **Eur J Clin Pharmacol** 1984;26(5):633–4

Thyroid function in altered nutritional state. de Rosa G, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):173–7

Endocrine study of anorexia nervosa. de Rosa G, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):160–72

Pituitary-thyroid function during acute immobilization stress in rats. Langer P, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):51–60

Serum T4, T3, r-T3, TSH and Tg levels in cord blood and maternal circulation at the time of delivery. Sulovic V, et al. **Exp Clin Endocrinol** 1984 May;83(3):256–62

Effect of nifedipine on the adrenocortical and somatotrophic secretory reserve and TSH and thyroid hormone plasma levels. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):97–100

Endocrine differences between the Wistar and Sprague-Dawley laboratory rat: influence of cold adaptation. Kühn ER, et al. **Horm Metab Res** 1983 Oct; 15(10):491–8

Effect of methadone on TSH and thyroid hormone secretion. Vescovi PP, et al. **Horm Metab Res** 1984 Jan;16(1):53–4

Detection of hypothyroid myopathy by measurement of various serum muscle markers—myoglobin, creatine kinase, lactate dehydrogenase and their isoenzymes. Correlations with thyroid hormone levels (free and total) and clinical usefulness. Giampietro O, et al. **Horm Res** 1984; 19(4):232–42

Effect of carbamazepine & its combinations on thyroid functions in epileptics. Maheshwari MC, et al. **Indian J Med Res** 1984 Jan;79:76–9

Compared effect of propranolol and acebutolol on serum thyroid hormones' levels in euthyroid and hyperthyroid patients: a randomized study. Perret G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):360–4

Use of bromocriptine in a patient with generalized resistance to thyroid hormone. Bajorunas DR, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):731–5

Influence of cigarette smoking on goiter formation, thyroglobulin, and thyroid hormone levels in women. Christensen SB, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):615–8

Transient impairment of thyroid function in newborn from an area of endemic goiter. Sava L, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):90–5

Effects of chronic beta-receptor stimulation on sympathetic nervous system activity, energy expenditure, and thyroid hormones. Scheidegger K, et al. **J Clin Endocrinol Metab** 1984 May;58(5):895–903

The TRH induced PRL release in patients with autonomous thyroid nodules before and after surgical treatment. Langer M, et al. **J Endocrinol Invest** 1983 Jun;6(3):195–8

Variations of thyroid hormones during total fasting in obese and in obese diabetic subjects. Marugo M, et al. **J Endocrinol Invest** 1984 Jun;7(3):197–200

Hormonal patterns in menstrual dysfunction. Reith P, et al. **J Kans Med Soc** 1984 Apr;85(4):110–2, 123

Metabolic rate and thyroid status in rats fed diets of different protein-energy value: the importance of free T3. Cox MD, et al. **J Nutr** 1984 Sep;114(9):1609–16

Hormone and lipogenic enzyme response of the heterozygous dw chick to dietary protein level. Stewart PA, et al. **J Nutr** 1984 Jan;114(1):132–43

Postmortem changes in serum thyroid hormone concentrations and SIDS [letter] **J Pediatr** 1983 Oct; 103(4):669–71

Thyroid hormone abnormalities at diagnosis of insulin-dependent diabetes mellitus in children. Gilani BB, et al. **J Pediatr** 1984 Aug;105(2):218–22

Effects of elevated prolactin and its normalization on thyroid hormone, cardiac beta-adrenoreceptor number and beta-adrenergic responsiveness. Katovich MJ, et al. **Life Sci** 1984 Feb 27;34(9):889–98

Hormonal and nutritional enhancement of Na+-K+-ATPase activity may aid the prevention and treatment of essential hypertension. McCarty MF. **Med Hypotheses** 1984 Apr;13(4):451–63

Thyroidal changes associated with endurance training in women. Boyden TW, et al. **Med Sci Sports Exerc** 1984 Jun;16(3):243–6

Decreased free fraction of serum thyroid hormones during carbohydrate overfeeding. Welle S, et al. **Metabolism** 1984 Sep;33(9):837–9

The effect of acute nicotine administration on plasma levels of the thyroid hormones and corticosterone in the rat. Cam GR, et al. **Pharmacol Biochem Behav** 1983 Sep;19(3):559–61

Interactions of thyroid hormones and catecholamines in severely burned patients. Becker RA, et al. **Rev Infect Dis** 1983 Nov-Dec;5 Suppl 5:S908–13

Altered thyroid status: a possible cause of growth retardation in children with congenital heart disease. Singhi S, et al. **West Indian Med J** 1983 Dec;32(4):219–22

The effect of shearing on the concentration of cortisol and thyroid hormones in the blood plasma of sheep. Pierzchala K, et al. **Zentralbl Veterinarmed [A]** 1983 Dec;30(10):749–59

[Investigation of the relationship between Yang Xu symptom complex in traditional Chinese medicine and thyroid hormones] Qiu BG. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):168–70 (Eng. Abstr.) **(Chi)**

[The effect of aging on the metabolism of thyroid hormones] Felt V, et al. **Cas Lek Cesk** 1984 Mar 9;123(10):294–8 (Eng. Abstr.) **(Cze)**

[Hormones of the thyroid gland and lipid metabolism during pregnancy] Sobotka J, et al. **Cesk Gynekol** 1984 Jun; 49(5):324–8 (Eng. Abstr.) **(Cze)**

[Clinical importance of the level of the free fraction of thyroid hormones] Hermans J, et al. **Ann Endocrinol (Paris)** 1983;44(6):377–83 (Eng. Abstr.) **(Fre)**

[Diagnosis of toxic adenoma in a cardiology service: limits of thyroid hormone levels] Schneider R, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(1):51–5 **(Fre)**

[The symptomatic value of blood thyroid hormone levels (editorial)] Orgiazzi J. **Rev Med Interne** 1984 Mar;5(1):15–6 **(Fre)**

[The effect of nonthyroidal diseases on the serum hormone level of the thyroid gland function regulation cycle] Weissel M. **Fortschr Med** 1983 Aug 4;101(29):1340–3 (Eng. Abstr.) **(Ger)**

[The effect of amiodarone on thyroid gland function] Goedel-Meinen L, et al. **Z Kardiol** 1984 Jun;73(6):399–404 (Eng. Abstr.) **(Ger)**

[Factors affecting the serum thyroid hormone concentration during fasting in rats—with special reference to the relation with temperature] Tanno M, et al. **Radioisotopes** 1983 Jun; 32(6):271–4 (Eng. Abstr.) **(Jpn)**

[Relation between the concentration of sex and thyroid hormones in the blood of ischemic heart disease patients and the state of lipid metabolism] Gambashidze NB, et al. **Kardiologia** 1983 Aug;23(8):102–3 **(Rus)**

[Thyroid hormones in rats after a flight on the Kosmos-936 biosatellite] Knopp J, et al. **Kosm Biol Aviakosm Med** 1983 Jul-Aug;17(4):83–4 **(Rus)**

[Indicators of thyroid hormones and carcinoembryonic antigen in persons with a high risk of lung cancer] Svetukhina ES, et al. **Med Radiol (Mosk)** 1984 May; 29(5):29–32 (Eng. Abstr.) **(Rus)**

[Diagnosis of congenital hypothyroidism] Balabolkin MI, et al. **Pediatriia** 1983 Sep;(9):9–12 (Eng. Abstr.) **(Rus)**

[Hormonal changes in cancer of the thyroid gland before treatment and in the early postoperative period] Demidov VP, et al. **Sov Med** 1984;(2):95–7 **(Rus)**

[Changes in the hypophyseo-thyroid system in patients with circulatory insufficiency after treatment with digoxin] Aleksandrova TN, et al. **Ter Arkh** 1983;55(9):83–8 **(Rus)**

[Concentration of pituitary-thyroid system hormones in the blood of patients with chronic circulatory insufficiency] Aleksandrova TN, et al. **Vestn Akad Med Nauk SSSR** 1984; (2):62–5 **(Rus)**

[Saccharide and hormone parameters in healthy pregnant women] Bialková O, et al. **Bratisl Lek Listy** 1984 Jan; 81(1):56–63 (Eng. Abstr.) **(Slo)**

[Levels of thyroid hormones and thyrotropin in diabetic patients] Libman J, et al. **Medicina (B Aires)** 1983; 43(2):159–62 (Eng. Abstr.) **(Spa)**

GENETICS

Are the stereochemistry and mechanism of action of thyroid hormones predicted by the structure of DNA? Smith TJ, et al. **Perspect Biol Med** 1984 Spring;27(3):408–16

[Familial resistance to thyroid hormones] Němec J, et al. **Cesk Pediatr** 1984 Jan;39(1):36–9 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Identification and characterization of circulating thyroid hormone autoantibodies in thyroid diseases, in autoimmune non thyroid illnesses and in lymphoreticular system disorders. Trimarchi F, et al. **J Endocrinol Invest** 1983 Jun; 6(3):203–9

[Thyroid hormone autoantibodies in Hashimoto's disease and Graves' disease] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20; 59(10):1597–607 (Eng. Abstr.) **(Jpn)**

[Production of antithyroid hormone antibodies. 2. Genetic control of the production of anti-human thyroglobulin and antithyroid hormone antibodies in mice immunized with human thyroglobulin] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1729–37 (Eng. Abstr.) **(Jpn)**

METABOLISM

Correlation between different degree and duration of metabolic control and thyroid hormone levels in type 1 and type 2 diabetics. Notarbartolo A, et al. **Acta Diabetol Lat** 1983 Oct-Dec;20(4):341–6

Effects of a large dose of retinol or retinoic acid on the thyroid hormones in the rat. Garcin H, et al. **Ann Nutr Metab** 1984;28(2):92–100

Dexamethasone effect on thyroid hormone metabolism. Yang SL, et al. **Chin Med J [Engl]** 1983 Jun;96(6):448–56

Effect of mefenamic acid on plasma protein-thyroid hormone interaction, monodeiodination of thyroxine, urinary excretion of tri-iodothyronine and thyrotropin regulation. Koizumi Y, et al. **Clin Exp Pharmacol Physiol** 1984 May-Jun;11(3):291–9

Transport of thyroid hormones [letter] Ekins RP. **Clin Sci** 1984 Jul;67(1):143–4

Content of thyroid hormones in human and animal milk and in cow milk based infant formulas. Karimova SF, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):237–42

Passage of thyroid hormone into milk in rabbits. Slebodziński AB, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):243–54

Thyroid hormone metabolism and the source of plasma triiodothyronine in 2-week-old rats: effects of thyroid status. Silva JE, et al. **Endocrinology** 1984 Jun; 114(6):2394–405

Changes in circulating thyroid hormones during short-term hepatic enzyme induction with carbamazepine. Connell JM, et al. **Eur J Clin Pharmacol** 1984;26(4):453–6

Extracellular metabolism of thyroid hormones by stimulated granulocytes. Rao MK, et al. **Infect Immun** 1984 Mar; 43(3):846–9

Sucrose diet induced enzymatic and hormonal responses affecting carbohydrate, lipid and energy metabolism in two species differing in insulin availability: spiny and ob/ob mice. Shafrir E, et al. **Int J Biochem** 1984;16(4):375–82

The effects of propylthiouracil, iodothyronines, and other agents on thyroid hormone metabolism in human placenta. Fay M, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):280–6

The liver and circulating thyroid hormones. Klachko DM, et al. **J Clin Gastroenterol** 1983 Oct;5(5):465–71

Thyroid hormones in ascitic fluid of patients with hepatosplenic bilharziasis. Taha MA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):65–9

Binding of thyroid hormone by heme proteins may signal protein age. Davis PJ, et al. **J Theor Biol** 1983 Jul 7; 103(1):133–6

The effect of major trauma on the pathways of thyroid hormone metabolism. Aun F, et al. **J Trauma** 1983 Dec; 23(12):1048–51

Thyromimetic effects of 3,5-dimethyl,3'-isopropyl thyronine (DIMIT) and 3,5-diethyl,3'-isopropyl thyronine (DIET) in various tissues of the rat. Chopra IJ, et al. **Metabolism** 1984 Jul;33(7):622–8

Ethanol feeding and thyroid hormone monodeiodination. Shank ML, et al. **Metabolism** 1984 Jul;33(7):667–71

The role of thyroid hormone deiodination in the regulation of hypothalamo-pituitary function. Kaplan MM. **Neuroendocrinology** 1984 Mar;38(3):254–60 (69 ref.)

Thyroid function in juvenile diabetes. Castells S. **Pediatr Clin North Am** 1984 Jun;31(3):623–34 (44 ref.)

[Thyroid hormone receptors] Trapkova AA, et al. **Probl Endokrinol (Mosk)** 1984 Jul-Aug;30(4):76–80 (60 ref.) **(Rus)**

[The role of the enterohepatic cycle in the whole-body balance of thyroid hormones in the dog] Langer P, et al. **Bratisl Lek Listy** 1984 Mar;81(3):362–6 (Eng. Abstr.) **(Slo)**

[The effect of salicylates and similar acting substances (diphenylhydantoin, dinitrophenol, etc.) on the hypophyseal-thyroid gland axis] Langer P. **Vnitr Lek** 1984 Jan;30(1):48–54 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Rabbit myocardial membrane Ca2+-adenosine triphosphatase activity: stimulation in vitro by thyroid hormone. Rudinger A, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):379–85

Sex- and substrate-dependent effects of the thyroid gland on drug metabolism in the rat. Skett P, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3115–7

Effect of thyroid hormones on postnatal fibrinogen levels in the rat. Legrêle CD, et al. **Biol Neonate** 1984;46(2):61–8

Effect of thyroid hormone treatment on responses of the isolated working rat heart. Marriott ML, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1382–90

Lack of effect of thyroid hormone on diabetic rat heart function and biochemistry. Tahiliani AG, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):617–21

Stimulation of rat renal Na+, K+-ATPase activity by thyroid hormones. Pippard C, et al. **Cell Biochem Funct** 1984 Apr;2(2):107–10

The effect of thyroid hormone on the high affinity Ca2+-ATPase in rat liver plasma membrane. Haraguchi K, et al. **Endocrinol Jpn** 1984 Apr;31(2):141–9

Characterization of thyroid hormone stimulation of uridine uptake by rat pituitary tumor cells. Halpern J, et al. **Endocrinology** 1984 Jul;115(1):95–101

Short-term control of mitochondrial adenine nucleotide translocator by thyroid hormone. Mowbray J, et al. **Eur J Biochem** 1984 Feb 15;139(1):95–9

Postnatal development of kidney function in rats receiving thyroid hormones. Bräunlich H. **Exp Clin Endocrinol** 1984 May;83(3):243–50

The effects of pituitary, thyroid, pancreatic and sexual hormones on body length and weight and organ weights of Snell dwarf mice. van Buul-Offers S. **Growth** 1984 Spring;48(1):101–19

Stimulation by thyroid hormone analogues of red blood cell Ca2+-ATPase activity in vitro. Correlations between hormone structure and biological activity in a human cell system. Davis FB, et al. **J Biol Chem** 1983 Oct 25; 258(20):12373–7

Characterization of a thyroid hormone-responsive gene from rat. Liaw CW, et al. **J Biol Chem** 1984 Jun 10; 259(11):7253–60

Hormonal regulation of glycosaminoglycan accumulation in fibroblasts from patients with resistance to thyroid hormone. Murata Y, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1233–9

Hypothalamic portal blood immunoreactive TRH in the rat: lack of effect of hypothyroidism and thyroid hormone treatment. Ching MC, et al. **J Endocrinol Invest** 1983 Oct; 6(5):347–52

Effects of thyromimetic drugs on aldosterone-dependent sodium transport in the toad bladder. Geering K, et al. **J Membr Biol** 1984;77(1):15–23

Thyroid hormones do not alter rat brain benzodiazepine receptor function in-vivo. Atterwill CK, et al. **J Pharm Pharmacol** 1983 Nov;35(11):767–8

Myosin isoenzyme expression in rat ventricle: effects of thyroid hormone analogs, catecholamines, glucocorticoids and high carbohydrate diet. Sheer D, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):872–9

Thyroid hormone action on intermediary metabolism. Part II: Lipid metabolism in hypo- and hyperthyroidism. Müller MJ, et al. **Klin Wochenschr** 1984 Jan 16;62(2):49–55

Thyroid hormone action on intermediary metabolism. Part III. Protein metabolism in hyper- and hypothyroidism. Müller MJ, et al. **Klin Wochenschr** 1984 Feb 1;62(3):97–102

Thyroid hormone inhibits purified taste bud membrane adenosine 3',5'-monophosphate phosphodiesterase activity. Law JS, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar;43(3):449–62

Lack of effects of thyroid hormones on muscarine cholinergic receptors in rat brain and heart. Kastrup J, et al. **Scand J Clin Lab Invest** 1984 Feb;44(1):33–8

Thyroid imaging—nonvisualization of one thyroid lobe. Lin DS. **Semin Nucl Med** 1983 Oct;13(4):393–4

[Syndrome of resistance to thyroid hormones] Guinet P. **Bull Acad Natl Med (Paris)** 1983 Jan;167(1):35–40 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Thyroid hormones and the adrenergic nervous system. Nilsson OR, et al. **Acta Med Scand [Suppl]** 1983;672:27–32 (54 ref.)

The role of thyroid hormones and insulin in the regulation of energy metabolism. Danforth E Jr. **Am J Clin Nutr** 1983 Dec;38(6):1006–17 (17 ref.)

Thyroid function and human breast milk [letter] Oberkotter LV. **Am J Dis Child** 1983 Nov;137(11):1131

New perspectives on thyroid hormone, catecholamines, and the heart. Klein I, et al. **Am J Med** 1984 Feb;76(2):167–72

Pleiotypic action of thyroid hormones at the target cell level. Müller MJ, et al. **Biochem Pharmacol** 1984 May 15; 33(10):1579–84

Influences of both thyroid and bovine growth hormones on substance P, thyrotropin-releasing hormone, serotonin and 5-hydroxyindoleacetic acid contents in the lumbar spinal cord of developing rats. Savard P, et al. **Brain Res** 1984 Mar;315(1):105–10

Peripheral resistance to thyroid hormones [letter] **Clin Endocrinol (Oxf)** 1984 Mar;20(3):359–62

Evidence that thyroid hormones regulate gluconeogenesis from glycerol in man. McCulloch AJ, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):67–76

Thyroid hormones and the liver. Sheridan P. **Clin Gastroenterol** 1983 Sep;12(3):797–818

Influence of thyroid hormone level on insulin action in human adipose tissue. Arner P, et al. **Diabetes** 1984 Apr; 33(4):369–75

Thyroid hormones, gonadal and adrenocortical steroids and the function of the islets of Langerhans. Lenzen S, et al. **Endocr Rev** 1984 Summer;5(3):411–34 (345 ref.)

Inherited disorders of thyroid metabolism. Lever EG, et al. **Endocr Rev** 1983 Summer;4(3):213–39 (225 ref.)

Thyroid hormones in milk: physiological approach—a review. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1983 Oct; 17(3–4):219–35 (48 ref.)

Thyroid hormones and plasma corticosteroid binding globulin capacity in fetal and newborn lambs. Ballard PL, et al. **Endocrinology** 1983 Oct;113(4):1197–200

Thyroid hormones regulate hepatic glycogen synthase. Malbon CC, et al. **Endocrinology** 1984 Aug;115(2):681–6

The efficiency of oxidative phosphorylation and the rapid control by thyroid hormone of nicotinamide nucleotide reduction and transhydrogenation in intact rat liver mitochondria. Corrigall J, et al. **Eur J Biochem** 1984 Jun 1;[illegible]2):435–40

Patterns of prolactin secretion in the syndrome of general resistance to thyroid hormones. Sisson JC, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1188–92

Investigations on myelinogenesis in vitro: regulation of 5'-nucleotidase activity by thyroid hormone in cultures of dissociated cells from embryonic mouse brain. Shanker G, et al. **J Neurosci Res** 1984;11(3):263–70

Obligatory role of thyroid hormones in development of peripheral sympathetic and central nervous system catecholaminergic neurons: effects of propylthiouracil-induced hypothyroidism on transmitter levels, turnover and release. Slotkin TA, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):53–61

Effects of thyroid hormone on synaptogenesis in the molecular layer of the developing rat cerebellum. Vincent J, et al. **J Physiol (Paris)** 1982–83;78(8):729–38

Hypothyroidism abolishes the hyperdynamic phase and increases susceptibility to sepsis. Moley JF, et al. **J Surg Res** 1984 Mar;36(3):265–73

Thyroid hormone action on intermediary metabolism. Part I: respiration, thermogenesis and carbohydrate metabolism. Müller MJ, et al. **Klin Wochenschr** 1984 Jan 2;62(1):11–8 (87 ref.)

Thyroid hormone in biological rhythms. Simpkins C. **Med Hypotheses** 1983 Oct;12(2):179–84

Thyroid hormones and thermogenesis: the metabolic cost of food and exercise. Acheson K, et al. **Metabolism** 1984 Mar; 33(3):262–5

Effects of thyroid state on serotonin, 5-hydroxyindoleacetic acid and substance P contents in discrete brain nuclei of adult rats. Savard P, et al. **Neuroscience** 1983 Dec; 10(4):1399–404

Food intake and thermic effect of feeding in thyroid-deficient pigs. Macari M. **Physiol Behav** 1984 Feb;32(2):245–51

Modification of the behavioural effects of haloperidol and of dopamine receptor regulation by altered thyroid status. Crocker AD, et al. **Psychopharmacology (Berlin)** 1984; 82(1–2):102–6

Thyroid function in normals: influences on the electroencephalogram and cognitive performance. Tucker DM, et al. **Psychophysiology** 1984 Jan;21(1):72–8

[Mechanism of action of thyroid hormones at the cellular level] Menezes-Ferreira MM, et al. **Ann Endocrinol (Paris)** 1983;44(4):205–16 (155 ref.) (Eng. Abstr.) **(Fre)**

[Thyroid hormones and maturation of the nervous system] Legrand J. **J Physiol (Paris)** 1982–83;78(7):603–52 (315 ref.) **(Fre)**

[Thyroid hormones and lipid metabolism] Totsuka Y, et al. **Nippon Rinsho** 1983 Aug;41(8):1757–61 **(Jpn)**

[Regulation of pyruvate transport in mitochondria by thyroid hormones] Turakulov IaKh, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):57–9 (Eng. Abstr.) **(Rus)**

[Effect of thyroidin and mercazolyl on the enzyme-secreting function of the pentagastrin-stimulated stomach in the dog] Kienia AI. **Fiziol Zh SSSR** 1984 Jan;70(1):56–60 (Eng. Abstr.) **(Rus)**

[Role of the thyroid hormone in the functioning of the hypophyseal-adrenal-gonad system of rabbits] Aleshin BV, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):49–52 (Eng. Abstr.) **(Rus)**

[Interrelation of thyroid hormones and prolactin] Gladkova AI. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):79–89 (137 ref.) **(Rus)**

[Thyroid hormones and EPR signals of the liver, brain and blood] Kozlov AV, et al. **Vopr Med Khim** 1983 Nov–Dec; 29(6):85–8 (Eng. Abstr.) **(Rus)**

SECRETION

Effects of intrathyroidal metabolism of thyroxine on thyroid hormone secretion: increased degradation of thyroxine in mouse thyroids stimulated chronically with thyrotrophin. Kubota K, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):57–65

Effect of somatostatin on the pituitary-thyroid axis. De Rosa G, et al. **Ann Endocrinol (Paris)** 1983;44(6):355–60

Effects of vasoactive intestinal polypeptide on hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):93–100

Use of the perifusion technique on rat thyroid fragments in the study of thyroid hormone secretion: short-term effects of thyrotrophin, theophylline and glucagon. Attali JR, et al. **J Endocrinol** 1984 Jul;102(1):43–8

Ultrastructural aspects on iodination and hormone secretion in the thyroid gland. Ericson LE. **J Endocrinol Invest** 1983 Aug;6(4):311–24

Thyroidal release after oral administration of TRH in normal subjects. Golstein J, et al. **J Endocrinol Invest** 1983 Oct; 6(5):385–7

Thyroid hormone secretion is more sensitive than thyroid cyclic AMP accumulation to stimulation with LATS in mice in vitro and in vivo. Ikeda H, et al. **J Endocrinol Invest** 1984 Feb;7(1):1–6

Thyroid function after treatment of solitary autonomous thyroid nodules [letter] N **Engl J Med** 1984 May 24; 310(21):1392–4

Influence of VIP on thyroid hormone secretion. Ahrén B. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):305–7

[Acid secretion and hormone levels after several weeks of omeprazole administration (letter)] Müller P, et al. **Dtsch Med Wochenschr** 1983 Nov 25;108(47):1816 **(Ger)**

[Neuropeptides as regulators of thyroid hormone secretion] Ahrén B. **Lakartidningen** 1983 Oct 5;80(40):3699–701 (Eng. Abstr.) **(Swe)**

THERAPEUTIC USE

Coronary artery surgery in patients with myxoedema. Holvoet G, et al. **Acta Cardiol (Brux)** 1984;39(2):139–45

Desiccated thyroid preparations. Obsolete therapy [editorial] Smith SR. **Arch Intern Med** 1984 May;144(5):926–7

Thyroid hormone unresponsiveness in two siblings with intrauterine growth retardation exophthalmos. Ohzeki T, et al. **Eur J Pediatr** 1984 Jan;141(3):181–3

Thyroid hormone therapy for anemia [letter] Cosenza SF. **J Am Vet Med Assoc** 1984 Feb 15;184(4):406

The clinical pharmacology of thyroid hormones in the dog. Evinger JV, et al. **J Am Vet Med Assoc** 1984 Aug 1; 185(3):314–6

Thyroid hormone therapy for anemia [letter] Ferguson DC. **J Am Vet Med Assoc** 1984 May 15;184(10):1201–3

Effects of thyroid replacement therapy on catecholamine plasma levels. Mannelli M, et al. **J Endocrinol Invest** 1983 Aug;6(4):307–9

Nutrition classics: American Journal of Diseases of Children, Volume 57, 1939: Hypothyroidism and cretinism in childhood. VI. Influence of thyroid therapy on mental growth. By Andrew W. Brown, I.P. Bronstein, and Ruth Kraines. **Nutr Rev** 1984 Jan;42(1):20–2

New developments in medical therapy of obesity: thyroid and zinc. Collipp PJ. **Pediatr Ann** 1984 Jun;13(6):465–72

[Clinical effects of metharmon F for postmenopausal women with climacteric symptoms: its relationship with serum level of hormones] Yoshimoto S, et al. **Horumon To Rinsho** 1983 Aug;31(8):815–22 **(Jpn)**

[Treatment of mental disorders with thyroid hormones] Yamaguchi T, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(11):769–76 **(Jpn)**

THYROID NEOPLASMS

Evidence for TSH autoregulation of thyroid carcinoma. Gwinup G, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):42–3

The solitary thyroid nodule: diagnosis and management of malignant disease. Lawson W, et al. **Am J Otolaryngol** 1983 Jan–Feb;4(1):43–73 (229 ref.)

Post-operative diagnosis and therapy of thyroid carcinoma by nuclear medicine. Hundeshagen H. **Eur J Nucl Med** 1983;8(12):541–5

Cutaneous metastasis from papillary carcinoma of the thyroid gland. Report of two cases. Horiguchi Y, et al. **J Am Acad Dermatol** 1984 Jun;10(6):988–92

Metastasis of thyroid carcinoma to the paranasal sinuses. Renner GJ, et al. **Otolaryngol Head Neck Surg** 1984 Apr; 92(2):233–7

[Proposal for the protocol of a national multidisciplinary study of medullary thyroid cancer] Trotoux J. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):331–4 **(Fre)**

[Thyroid cancer] Margarino G, et al. **Minerva Med** 1984 Feb 28;75(8):359–61 **(Ita)**

[Total replacement of sternum for the sternal metastasis of thyroid cancer] Tokushima T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:98–100 **(Jpn)**

[A case of lateral aberrant thyroid adenoma] Bartnik W. **Otolaryngol Pol** 1984;38(1):75–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Immunoelectron microscopic localization of thyroglobulin in human follicular adenoma. Nakayama I, et al. **Acta Pathol Jpn** 1983 Nov;33(6):1139–50

Relationship of tissue carcinoembryonic antigen and calcitonin to tumor virulence in medullary thyroid carcinoma. An immunohistochemical study in early, localized, and virulent disseminated stages of disease. Mendelsohn G, et al. **Cancer** 1984 Aug 15;54(4):657–62

Structural changes of carbohydrate chains of human thyroglobulin accompanying malignant transformations of thyroid glands. Yamamoto K, et al. **Eur J Biochem** 1984 Aug 15;143(1):133–44

Thyroglobulin in carcinoma of the thyroid [letter] Burt AD, et al. **Hum Pathol** 1984 Feb;15(2):197–8

Expression of intermediate filament proteins in thyroid gland and thyroid tumors. Miettinen M, et al. **Lab Invest** 1984 Mar;50(3):262–70

Concomitant production of immunoreactive gastrin-releasing peptide and calcitonin in medullary carcinoma of the thyroid. Yamaguchi K, et al. **Metabolism** 1984 Aug; 33(8):724–7

[Immunohistochemical detection of calcitonin, ACTH, beta-MSH, beta-endorphin and somatostatin in medullary carcinoma of the thyroid. Immunoperoxidase study (PAP, ABC) of 10 cases] Charpin C, et al. **Ann Pathol** 1984 Jan–Mar;4(1):27–35 (Eng. Abstr.) **(Fre)**

[Current perspectives of basic biology in medullary cancer of the thyroid] Jullienne A, et al. **Bull Cancer (Paris)** 1984; 71(2):130–2 **(Fre)**

[Immunohistochemical localization of cytoskeletal proteins and thyroglobulin in thyroid micro cancers] Yagi S, et al. **Gan No Rinsho** 1984 Jun;30(7):765–71 (Eng. Abstr.) **(Jpn)**

[Chemical properties of thyroglobulin in thyroid tumors] Tarutani O. **Horumon To Rinsho** 1983 Aug;31(8):717–24 **(Jpn)**

[Thyroglobulin and cancer of the thyroid. VII. Study of homogenates of thyroid tumor tissue] Olea N, et al. **Rev Clin Esp** 1984 Jan 15;172(1):41–5 (Eng. Abstr.) **(Spa)**

BLOOD

Vitamin D levels and trabecular bone remodelling before and after surgery for medullary thyroid carcinoma. Emmertsen K, et al. **Acta Endocrinol (Copenh)** 1984 Jul; 106(3):346–9

Gastro-intestinal polypeptides in patients treated for medullary carcinoma of the thyroid. Rasmusson B. **Acta Endocrinol (Copenh)** 1984 May;106(1):112–5

Hemostatic changes in patients with thyroid gland tumors. Tiška-Rudman L, et al. **Acta Med Iugosl** 1983; 37(3):197–211

Hypouricemia and medullary carcinoma of the thyroid. Puig JG, et al. **Adv Exp Med Biol** 1984;165 Pt A:211–3

Calcitonin and carcino-embryonic antigen in the follow-up of patients with medullary carcinoma of the thyroid. Palmer BV, et al. **Br J Surg** 1984 Feb;71(2):101–4

Long-term follow-up using serial serum thyroglobulin determinations in patients with differentiated thyroid carcinoma. Botsch H, et al. **Cancer** 1983 Nov 15; 52(10):1856–9

Differences in radioimmunoassay results for thyroglobulin that affect management of patients with thyroid cancer. Bayer MF, et al. **Clin Chem** 1984 Jan;30(1):81–6

Value of the estimation of thyroglobulin levels in the surveillance of treated differentiated thyroid carcinoma. Sulman C, et al. **J Clin Chem Clin Biochem** 1984 Mar; 22(3):215–8

Iodine content of serum thyroglobulin in normal individuals and patients with thyroid tumors. Schneider AB, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1251–6

Serum thyroglobulin, a monitor of differentiated thyroid carcinoma in patients receiving thyroid hormone suppression therapy: concise communication. Blahd WH, et al. **J Nucl Med** 1984 Jun;25(6):673–6

A sensitive human thyroglobulin RIA to define clearly the presence or absence of functioning thyroid tissue. Lemish I, et al. **J Nucl Med** 1984 Jan;25(1):49–55

Serum thyroglobulin in patients with early thyroid cancer who have residual thyroid after total thyroidectomy [letter] Panza N, et al. **Lancet** 1984 Feb 18;1(8373):398

Serum thyroglobulin determinations in patients with differentiated thyroid carcinoma. Bednář J, et al. **Nuklearmedizin** 1983 Aug;22(4):204–11

[Limits and indications for thyroglobulin assay in patients followed-up for a differentiated epithelioma of the thyroid] Schlumberger M, et al. **Ann Endocrinol (Paris)** 1983; 44(5):279–81 **(Fre)**

[Plasma thyroglobulin : a new surveillance index for post-operative follow-up of differentiated thyroid cancers. Personal data and critical remarks] Jaffiol C, et al.

Bull Acad Natl Med (Paris) 1983 Sep-Oct;167(7):765-70 (Eng. Abstr.) (Fre)

[Plasma tumor markers (calcitonin and carcinoembryonic antigen) in medullary thyroid cancers] Argémi B, et al. **Bull Cancer (Paris)** 1984;71(2):133-9 (Eng. Abstr.) (Fre)

[Serum thyroglobulin in thyroid neoplasms] Mimura T, et al. **Horumon To Rinsho** 1983 Aug;31(8):731-5 (Jpn)

[Thyroglobulin as a tumor marker in thyroid adenocarcinoma—its effectiveness and problems in monitoring cancer activities] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Apr 20;18(3):673-81 (Eng. Abstr.) (Jpn)

[Thyroglobulin in serum. A useful diagnostic test in cancer of the thyroid, thyrotoxicosis factitia, athyreosis/ectopy and hereditary dyshormonogenesis] Rootwelt K, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):231-5 (Eng. Abstr.) (Nor)

[Assay of thyroglobulin in the study of patients with differentiated thyroid carcinoma] Limbert E, et al. **Acta Med Port** 1984 Mar;5(3):73-8 (Eng. Abstr.) (Por)

CHEMICALLY INDUCED

Effect of propylthiouracil on the thyroid tumorigenesis induced by N-bis(2-hydroxypropyl)nitrosamine in rats. Kitahori Y, et al. **Carcinogenesis** 1984 May;5(5):657-60

Dose-related induction of lung, thyroid and kidney tumors by N-bis(2-hydroxypropyl)nitrosamine given orally to F344 rats. Shirai T, et al. **Gann** 1984 Jun;75(6):502-7

4,4'-Diaminodiphenylmethane: promoting effect on the development of thyroid tumors in rats treated with N-bis(2-hydroxypropyl)nitrosamine. Hiasa Y, et al. **JNCI** 1984 Feb;72(2):471-6

[The C cell system and experimental thyroid apudomas in the rat: the combined action of 2-acetylaminofluorene and chlorpromazine in inducing systemic medullary type tumors. An ultrastructural study] Théret CG, et al. **C R Seances Acad Sci [III]** 1984;298(4):77-84 (Eng. Abstr.) (Fre)

COMPLICATIONS

Thyroid lymphoma in a patient with hyperthyroidism. Jennings AS, et al. **Am J Med** 1984 Mar;76(3):551-2

Anaplastic thyroid cancer presenting with hyperthyroidism. Oppenheim A, et al. **Am J Med** 1983 Oct;75(4):702-4

Thyroid carcinoma and eosinophilia. Van Crombrugge P, et al. **Ann Clin Res** 1983 Jun;15(3):128-30

Synchronous thyroid, renal, and duodenal carcinomas. Haibach H, et al. **Arch Pathol Lab Med** 1984 Apr; 108(4):272-4

The thyroid gland in malignant lymphomas. Călin E. **Endocrinologie** 1983 Oct-Dec;21(4):285-7

Blocking cybernosis in endocrine glands pathology. Milcu SM. **Endocrinologie** 1984 Apr-Jun;22(2):147-50

Long-standing recurrent paroxysmal supraventricular tachycardia disappearing after cystic degeneration of an episodically hypersecreting toxic adenoma of the thyroid. Benvenga S, et al. **G Ital Cardiol** 1984 May;14(5):337-40

Non-Hodgkin lymphoma of the thyroid and Hashimoto's thyroiditis. Casparie AF, et al. **Neth J Med** 1984;27(2):44-9

Acute symptoms of the aerodigestive tract caused by rapidly enlarging thyroid neoplasms. Close LG, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):441-5

[Malignant neoplasm of the thyroid gland associated with Hashimoto's autoimmune thyroiditis] Simeonov L, et al. **Khirurgiia (Sofiia)** 1983;36(5):425-9 (Eng. Abstr.) (Bul)

[Incidence of diabetes in relatives of patients with diabetes and thyroid diseases] Zamrazil V, et al. **Vnitr Lek** 1983 Aug;29(8):761-5 (Eng. Abstr.) (Cze)

[Dyspnea in an occult thyroid carcinoma] Vermeersch H, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):796-9 (Eng. Abstr.) (Dut)

[Hyperthyroidism and thyroid carcinoma] Pardijs WH, et al. **Ned Tijdschr Geneeskd** 1984 Jun 16;128(24):1124-7 (Eng. Abstr.) (Dut)

[Hypertrophic osteopathy and thyroid cancer] Dexemple P, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):105-7 (Fre)

[Coexistence of thymoma, myasthenia gravis, thyroid carcinoma and breast dysplasia: apropos of a case] De Giovanni L, et al. **Chir Patol Sper** 1982 Aug;30(4):143-6 (Eng. Abstr.) (Ita)

[A case of hyperthyroidism combined with thyroid carcinoma] Chen KM, et al. **Gan No Rinsho** 1984 May; 30(5):515-8 (Eng. Abstr.) (Jpn)

[Adenoma or adenomatous goiter with the clinical symptoms of hyperthyroidism] Hirosawa H, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:95-8 (Jpn)

[Adenomatous goiter associated with thyroid cancer] Kobayashi A, et al. **Horumon To Rinsho** 1983 Jul; 31(7):611-3 (Jpn)

[Chronic thyroiditis—therapeutic aspects (experience with 580 operated cases)] Stoenescu D, et al. **Rev Chir [Chir]** 1984 Jan-Feb;33(1):39-44 (Eng. Abstr.) (Rum)

[Medullary thyroid cancer and Cushing's syndrome (a case report)] Voronetskiĭ IB, et al. **Vopr Onkol** 1984;30(4):77-9 (Rus)

[Toxic thyroid adenoma associated with undifferentiated thyroid carcinoma] Jara-Albarrán A, et al. **Rev Clin Esp** 1983 Jul 15-31;170(1-2):69-70 (Spa)

DIAGNOSIS

Clear cell variant of thyroid carcinoma. Civantos F, et al. **Am J Surg Pathol** 1984 Mar;8(3):187-92

The Multiple Endocrine Neoplasia syndromes. Brunt LM, et al. **Ann Chir Gynaecol** 1983;72(3):153-9

Lymphoma of the thyroid. Hamburger JI, et al. **Ann Intern Med** 1983 Nov;99(5):685-93

Solitary lateral cervical cyst: presenting symptom of papillary thyroid adenocarcinoma. Tovi F, et al. **Ann Otol Rhinol Laryngol** 1983 Sep-Oct;92(5 Pt 1):521-4

Relation of doubling time of plasma calcitonin levels to prognosis and recurrence of medullary thyroid carcinoma. Miyauchi A, et al. **Ann Surg** 1984 Apr;199(4):461-6

The diagnosis of the thyroid nodule using aspiration biopsy and cytology [editorial] Blum M. **Arch Intern Med** 1984 Jun;144(6):1140-2

Diagnostic accuracy and use of aspiration biopsy in the management of thyroid nodules. Ramacciotti CE, et al. **Arch Intern Med** 1984 Jun;144(6):1169-73

Thyroid carcinoma in von Hippel-Lindau disease [letter] Reyes CV. **Arch Intern Med** 1984 Feb;144(2):413

Papillary carcinoma of the thyroid gland seen as lateral neck cyst. Wallace MP, et al. **Arch Otolaryngol** 1984 Jun; 110(6):408-11

'Nonspecific' increases in plasma immunoreactive calcitonin in healthy individuals: discrimination from medullary thyroid carcinoma by a new extraction technique. Body JJ, et al. **Clin Chem** 1984 Apr;30(4):511-4

Multiple imaging techniques demonstrate a medullary carcinoma of the thyroid. Hartshorne MF, et al. **Clin Nucl Med** 1983 Dec;8(12):628-9

Medullary carcinoma of the thyroid gland. Relationship between histopathological and clinical findings. Skrzypek J, et al. **Endokrynol Pol** 1983;34(3):181-93

Pure squamous cell carcinoma and mixed adenosquamous cell carcinoma of the thyroid gland. Segal K, et al. **Head Neck Surg** 1984 Jul-Aug;6(6):1035-42

Anaplastic small cell neoplasms of the thyroid: an immunoperoxidase study. Mambo NC, et al. **Hum Pathol** 1984 Jan;15(1):55-60

Characterization of benign and malignant tissues of the thyroid gland. An ultrasonic approach using RF waveform analysis and pattern recognition. Benson DM, et al. **Invest Radiol** 1983 Sep-Oct;18(5):459-62

Diagnostic and prognostic values of carcinoembryonic antigen in medullary carcinoma of the thyroid. Saad MF, et al. **J Clin Endocrinol Metab** 1984 May;58(5):889-94

Use of isotope bone scans and skeletal survey X-rays in the follow-up of patients with thyroid carcinoma. DeGroot LJ, et al. **J Endocrinol Invest** 1984 Jun;7(3):175-9

Medullary carcinoma of the thyroid gland. Bhagat KP, et al. **J Indian Med Assoc** 1983 Jul 1-16;81(1-2):12-5

Parathyroid cysts. Alonso K, et al. **J Med Assoc Ga** 1984 Apr;73(4):231-2

Primary actinomycosis of the thyroid mimicking carcinoma. Dan M, et al. **J Otolaryngol** 1984 Apr;13(2):109-12

Is laterally-situated ectopic thyroid tissue always malignant? Stanton A, et al. **J R Soc Med** 1984 Apr;77(4):333-4

Case of the month. Thyroid nodule. Müeller HW, et al. **J Ultrasound Med** 1984 Jul;3(7):R77, R84

The value of serum thyroglobulin measurement in clinical practice. Refetoff S, et al. **JAMA** 1983 Nov 4; 250(17):2352-7 (54 ref.)

Minimal thyroid carcinoma: a report of nine cases discovered by cervical lymph node metastases. Naruse T, et al. **Jpn J Surg** 1984 Mar;14(2):118-21

Needle aspiration biopsy of thyroid nodules. Brauer RJ, et al. **Laryngoscope** 1984 Jan;94(1):38-42

Evaluation of provocative tests in suspected medullary carcinoma of the thyroid:heterogeneity of calcitonin responses to calcium and pentagastrin. McLean GW, et al. **Metabolism** 1984 Sep;33(9):790-6

Hemangiosarcoma of the thyroid gland. Histological diagnosis problems. Hălălău F, et al. **Morphol Embryol (Bucur)** 1983 Jul-Sep;29(3):195-6

Thyroid nodules: sonographic-pathologic correlation. Katz JF, et al. **Radiology** 1984 Jun;151(3):741-5

Results of a screening program for multiple endocrine neoplasia type II. Fletcher DR, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):119-26

The incidence of carcinoma in encapsulated follicular thyroid lesions diagnosed by large needle biopsy. Gerfo PL, et al. **Surgery** 1983 Dec;94(6):1008-10

Efficacy of needle biopsy in postradiation thyroid disease. Rosen IB, et al. **Surgery** 1983 Dec;94(6):1002-7

Diagnosis of human tumors. Case 12: Medullary thyroid carcinoma forming follicles. Johannessen JV, et al. **Ultrastruct Pathol** 1983 Dec;5(4):347-52

[Infrared thermovision in the diagnosis of carcinoma of the thyroid gland in childhood] Lejska V, et al. **Cesk Otolaryngol** 1983 Jul;32(4):204-6 (Eng. Abstr.) (Cze)

[Has progress in molecular biology opened up possibilities for diagnosis?] Lissitzky S. **Ann Endocrinol (Paris)** 1983; 44(5):277-8 (Fre)

[Value of immunohistochemistry in the study of medullary cancer of the thyroid. Implications of the results for the concept of the APUD system and of apudomas] Caillou B, et al. **Bull Cancer (Paris)** 1984;71(2):140-4 (Eng. Abstr.) (Fre)

[Diagnosis of toxic adenoma in a cardiology service: limits of thyroid hormone levels] Schneider R, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1983;120(1):51-5 (Fre)

[Multiple endocrine neoplasia (type MEN II B) and multifocal medullary carcinoma of the thyroid] Chabloz R, et al. **Chirurgie** 1983;109(4):324-36 (Eng. Abstr.) (Fre)

[Thyroid cancers. Evaluation and current therapeutic directives] Perrin C, et al. **J Fr Otorhinolaryngol** 1983 Oct; 32(8):474-83 (Eng. Abstr.) (Fre)

[Tumor markers in differentiated thyroid carcinoma, excluding medullary carcinoma (letter)] de Cremoux P, et al. **Presse Med** 1984 Jun 9;13(24):1515 (Fre)

[Pathological fracture of the thumb disclosing thyroid cancer (letter)] Giraud C, et al. **Presse Med** 1984 Jan 21;13(2):100 (Fre)

[Diagnostic methods in thyroid cancer] Bélanger R, et al. **Union Med Can** 1983 Dec;112(12):1108-10 (Eng. Abstr.) (Fre)

[Usefulness and limitations of thyroglobulin determination in thyroid neoplasms] Dussault J. **Union Med Can** 1983 Dec;112(12):1119-20, 1123 (Eng. Abstr.) (Fre)

[Value of sonography in the diagnosis of decompensated autonomous thyroid adenoma] Maier W, et al. **Computertomographie** 1981 Jun;1(2):59-61 (Eng. Abstr.) (Ger)

[Measurement of thyroglobulin or 131iodine scintigraphy in the after-care of patients with differentiated thyroid cancer (letter)] Schatz H, et al. **Dtsch Med Wochenschr** 1983 Nov 11;108(45):1737-8 (Ger)

[Diagnostic procedures in thyroid gland enlargement] Pickardt CR. **Internist (Berlin)** 1983 Aug;24(8):442-6 (Ger)

[Follicular thyroid carcinoma presenting as subacute thyroiditis] Ben-Assuly S, et al. **Harefuah** 1983 Mar 15; 104(6):232-3 (Eng. Abstr.) (Heb)

[Ultrasonic examination of the thyroid gland] Gönczi J, et al. **Orv Hetil** 1984 Jul 15;125(29):1759-62 (Eng. Abstr.) (Hun)

[Diagnostic and therapeutic aspects of medullary carcinoma of the thyroid] Collu L, et al. **Minerva Chir** 1983 Jul 15-31; 38(13-14):1075-9 (Eng. Abstr.) (Ita)

[The solitary thyroid nodule. Diagnostic and therapeutic problems] Cagetti M, et al. **Minerva Med** 1984 Apr 7; 75(14-15):791-3 (Eng. Abstr.) (Ita)

[Critical remarks on medullary cancer of the thyroid] Faret S, et al. **Minerva Med** 1983 Dec 15;74(47-48):2807-14 (Eng. Abstr.) (Ita)

[Echographic identification of an isolated thyroid nodule] Gadaleta A, et al. **Minerva Med** 1984 May 12; 75(20):1199-204 (Eng. Abstr.) (Ita)

[Follicular carcinoma of the thyroid gland. Diagnostic and therapeutic considerations on 139 patients] Spreafico G, et al. **Radiol Med (Torino)** 1983 Dec;69(12):946-55 (Eng. Abstr.) (Ita)

[Malignant lymphomas of the thyroid gland: clinical contribution and review of literature] Montalbetti L, et al. **Recenti Prog Med** 1983 Aug;74(8):946-58 (51 ref.) (Eng. Abstr.) (Ita)

[Breast and thyroid tumors] Kobayashi T. **Gan To Kagaku Ryoho** 1984 Feb;11(2):348-58 (Jpn)

[Diagnosis and management of Basedow's disease and thyroid cancer] Takai S, et al. **Horumon To Rinsho** 1983 Oct; 31(10):953-9 (Jpn)

[Clinical significance of serum thyroglobulin measurement] Iida Y, et al. **Kaku Igaku** 1984 Feb;21(2):165-70 (Jpn)

[Usefulness of blood thyroglobulin determination in patients with thyroid cancer] Ikekubo K, et al. **Kaku Igaku** 1983 Apr;20(3):313-9 (Eng. Abstr.) (Jpn)

[Fine needle aspiration cytology of 637 thyroid nodules] Togon H. **Nippon Geka Gakkai Zasshi** 1983 Jul; 84(7):612-22 (Eng. Abstr.) (Jpn)

[Autonomously functioning thyroid nodule and its diagnostic problems] Ito K, et al. **Nippon Rinsho** 1983 Jun; 41(6):1197-202 (Jpn)

[Errors in the diagnosis and treatment of cancer of the thyroid] Demidov VP, et al. **Khirurgiia (Mosk)** 1983 Nov; (11):117-21 (Rus)

[Synchronous medullary cancer of the thyroid] Zmeul VK, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):135 (Rus)

[Comprehensive radiodiagnosis of toxic ademomas of the thyroid] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):32-6 (Eng. Abstr.) (Rus)

[Diagnostic and therapeutic measures in thyroid cancer] Vlakhov N, et al. **Med Radiol (Mosk)** 1984 Feb;29(2):45-7 (Eng. Abstr.) (Rus)

[Experience in the cytological diagnosis of thyroid cancer in an endemic goiter area] Demidov VP, et al. **Vopr Onkol** 1983;29(10):64-7 (Eng. Abstr.) (Rus)

[Puncture and fine-needle aspiration in thyroid nodules] Galofré JC, et al. **Med Clin (Barc)** 1983 May 21; 80(18):786-7 (Eng. Abstr.) (Spa)

[Hyperactive thyroid and parathyroid adenomas: simultaneous presentation in the same patient] Lucas Martín AM, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):763-5 (Eng. Abstr.) (Spa)

DRUG THERAPY

Correction. Thyroid cancer [letter] CA 1984 Sep-Oct; 34(5):299-302

A phase II study of cis-diamminedichloroplatinum and 5-fluorouracil in advanced upper aerodigestive neoplasms. Creagan ET, et al. **Head Neck Surg** 1984 Jul-Aug;

6(6):1020–3
Different rates of thyrotropin suppression after total body scan in patients with thyroid cancer: effect of an optimal saturation regimen with thyroxine or triiodothyronine. Busnardo B, et al. **J Endocrinol Invest** 1983 Dec;6(6):455–61
The effect of thyroid hormone administration upon survival in patients with differentiated thyroid carcinoma. Cady B, et al. **Surgery** 1983 Dec;94(6):978–83
[Adriamycin cardiomyopathy] Nilles M, et al. **Med Welt** 1984 Jan 27;35(4):103–8 **(Ger)**

ENZYMOLOGY

Hexokinase isoenzymes from anaplastic and differentiated medullary thyroid carcinoma in the rat. Rijksen G, et al. **Eur J Cancer Clin Oncol** 1984 Jul;20(7):967–73

ETIOLOGY

Incidence of thyroid cancer in women in relation to reproductive and hormonal factors. McTiernan AM, et al. **Am J Epidemiol** 1984 Sep;120(3):423–35
Thyroid neoplasm after high-dose radiotherapy. Satran L, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):307–9
Follicular carcinoma of the thyroid following radiotherapy for Hodgkin's disease. Amin R. **Br J Radiol** 1983 Oct; 56(670):768–9
Radiation-induced head and neck tumours: is the skin as sensitive as the thyroid gland? Van Daal WA, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1081–6
Radiation risk of thyroid scintigraphy in newborns. Beekhuis H, et al. **Eur J Nucl Med** 1983;8(8):348–50
Radiogenic initiation of thyroid cancer: a common cellular event. Mulcahy RT, et al. **Int J Radiat Biol** 1984 May; 45(5):419–26
Radiation and thyroid cancer [letter] Makarewicz CR. **JAMA** 1984 Mar 9;251(10):1280
Incidence of thyroid cancer in women in relation to previous exposure to radiation therapy and history of thyroid disease. McTiernan AM, et al. **JNCI** 1984 Sep;73(3):575–81
X-ray induced thyroid adenocarcinoma. Rosen P. **Med Hypotheses** 1984 Apr;13(4):381–4
Cases of carcinoma of thyroid following iodine-131 therapy for hyperthyroidism. Gossage AA, et al. **Oncology** 1984; 41(1):8–12
The histology of human radiation-related thyroid carcinoma. Pingitore R, et al. **Pathologica** 1984 Jan–Feb; 76(1041):107–12
Thyroid tumors associated with radiation exposure. Silverman C. **Public Health Rep** 1984 Jul–Aug;99(4):369–73
Associated hyperparathyroidism and nonmedullary thyroid carcinoma: the etiologic role of radiation. Hedman I, et al. **Surgery** 1984 Apr;95(4):392–7
Radiation-associated thyroid tumors: extent of operation and pathology technique influence the apparent incidence of carcinoma. Wilson SD, et al. **Surgery** 1983 Oct;94(4):663–9
[Hyperthyroidism and/or chronic lymphocytic thyroiditis associated with thyroid cancer] Lin LX. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):91–4 (Eng. Abstr.) **(Chi)**
[Etiology of thyroid tumors] Bellabarba D. **Union Med Can** 1983 Dec;112(12):1112–6 (Eng. Abstr.) **(Fre)**
[The incidence of cancer in 'solitary' cold nodules of the thyroid. Personal experience in 646 operated cases] Puglionisi A, et al. **Ann Ital Chir** 1983;55(2):115–20 (Eng. Abstr.) **(Ita)**
[Thyroid carcinoma in Basedow's disease previously treated with radioiodine therapy] Tambussi U, et al. **Minerva Chir** 1983 Oct 15;38(19):1551–4 **(Ita)**
[A case of primary malignant lymphoma in the thyroid gland arising from pre-existing Hashimoto's disease] Kaneda H, et al. **Gan No Rinsho** 1984 Apr;30(4):373–7 (Eng. Abstr.) **(Jpn)**
[A case of malignant degeneration of an aberrant intrathoracic goiter] Răutu F. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):493–4 **(Rum)**
[C-cells (parafollicular) and medullary cancer of the thyroid gland] Serezhin BS. **Arkh Patol** 1984;46(5):89–93 (Eng. Abstr.) **(Rus)**
[Possibility of isolating higher-risk factors in the malignant transformation of solitary formations in the thyroid gland] Marfin BI, et al. **Vestn Khir** 1984 May;132(5):56–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Bleomycin-induced chromosome damage in lymphocytes of medullary thyroid carcinoma patients and their family members. Cherry LM, et al. **Anticancer Res** 1983 Nov–Dec; 3(6):367–72
C-cells for differentiation between familial and sporadic medullary thyroid carcinoma. Emmertsen K, et al. **Dan Med Bull** 1983 Sep;30(5):353–6
Screening for familial medullary thyroid carcinoma: a review. Ponder BA. **J R Soc Med** 1984 Jul;77(7):585–94
Chromosome 20 deletion in human multiple endocrine neoplasia types 2A and 2B: a double-blind study. Babu VR, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2525–8
[Screening for the familial form of medullary cancer of the thyroid] Allannic H. **Bull Cancer (Paris)** 1984;71(2):125–9 (Eng. Abstr.) **(Fre)**
[Sporadic and hereditary medullary carcinoma of the thyroid. Multiple endocrine neoplasia, types MEN II A and B] Saegesser F, et al. **Chirurgie** 1983;109(4):310–23 (Eng. Abstr.) **(Fre)**
[Thyroid cancer with amyloid stroma, Sipple syndrome, congenital megacolon with plexus hyperplasia: one and the same autosomal dominant disease with complete penetrance] Le Marec B, et al. **J Genet Hum** 1983 Mar; 31(1):11–2 contd **(Fre)**
[Multiple endocrine neoplasia. MEN type IIa and type IIb] Miyauchi A, et al. **Nippon Rinsho** 1983 Jun;41(6):1286–91 **(Jpn)**
[Familial medullary carcinoma of the thyroid (editorial)] Pato Castel I. **Med Clin (Barc)** 1984 Jan 21;82(2):68–70 **(Spa)**
[Multiple endocrine neoplasm syndrome (MEN-2a) or Sipple syndrome. Report of 2 cases] Sánchez Román J, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):45–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Factor VIII-related antigen in malignant hemangioendothelioma of the thyroid: additional evidence for the endothelial origin of this tumor. Ruchti C, et al. **Am J Clin Pathol** 1984 Oct;82(4):474–80
Thyroid-associated antigens in routinely embedded carcinomas. Possibilities and limitations studied in 116 cases. Logmans SC, et al. **Cancer** 1984 Jul 15;54(2):274–9
Serum tissue polypeptide antigen (TPA) in thyroid cancer. Martino E, et al. **J Endocrinol Invest** 1984 Jun;7(3):249–52
Accumulation of radioactively labeled antithyroglobulin antibody by thyroid carcinoma. Hirayu H, et al. **Oncodev Biol Med** 1983;4(6):C63–70
Malignant hemangioendothelioma of the thyroid and factor VIII-related antigen. Pfaltz M, et al. **Virchows Arch [A]** 1983;401(2):177–84
[Immunoreactive thyroglobulin in thyroid cancer] Noguchi S. **Horumon To Rinsho** 1983 Aug;31(8):725–9 **(Jpn)**
[Natural killer cell activity and thyroid cancer] Aoki N, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20; 18(5):1101–7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Occurrence of gamma-trace in the calcitonin-producing C-cells of simian thyroid gland and human medullary thyroid carcinoma. Löfberg H, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):69–76
Calcitonin producing tumour. Effects on fracture repair and normal bone in rats. Ekeland A, et al. **Acta Orthop Scand** 1983 Oct;54(5):760–7
Synthesis of thyroglobulin in thyroid carcinoma patients after radioiodine therapy. Jeevanram RK, et al. **Cancer** 1983 Dec 15;52(12):2240–4
Gastrin-releasing peptide immunoreactivity in medullary thyroid carcinoma. Matsubayashi S, et al. **Cancer** 1984 Jun 1;53(11):2472–7
Human undifferentiated thyroid carcinoma synthesizes and secretes 19S thyroglobulin. Monaco F, et al. **Cancer** 1984 Jul 1;54(1):79–83
Iodide organification defect in a cold thyroid nodule: absence of iodide effect on cyclic AMP accumulation. Demeester-Mirkine N, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):473–9
Immunohistochemical demonstration of thyroglobulin in thyroid pathology. Stefăneanu L, et al. **Endocrinologie** 1984 Jan–Mar;22(1):55–9
Expression of laminin in thyroid gland and thyroid tumors: an immunohistologic study. Miettinen M, et al. **Int J Cancer** 1984 Jul 15;34(1):27–30
Identification of procalcitonin in a rat medullary thyroid carcinoma cell line. Birnbaum RS, et al. **J Biol Chem** 1984 Mar 10;259(5):2870–4
Glucocorticoids stimulate the production of preprocalcitonin-derived secretory peptides by a rat medullary thyroid carcinoma cell line. Muszynski M, et al. **J Biol Chem** 1983 Oct 10;258(19):11678–83
Expression of the proopiomelanocortin gene in human medullary thyroid carcinoma. Steenbergh PH, et al. **J Clin Endocrinol Metab** 1984 May;58(5):904–8
Calcitonin gene related peptide coding sequence is conserved in the human genome and is expressed in medullary thyroid carcinoma. Steenbergh PH, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):358–60
Clonal strains of rat medullary thyroid carcinoma cells that produce neurotensin and calcitonin. Functional and morphologic studies. Zeytinoglu FN, et al. **Lab Invest** 1983 Oct;49(4):453–9
Pentagastrin promotes prolactin release in patients with medullary carcinoma of the thyroid. Malarkey WB, et al. **Metabolism** 1984 May;33(5):439–42
[Factors affecting the capacity for radioactive iodine binding by thyroid cancers] Fragu P, et al. **Ann Endocrinol (Paris)** 1983;44(5):283–5 **(Fre)**
[Dyshormonogenesis—with special reference to its relationship with thyroid adenoma] Watanabe I. **Horumon To Rinsho** 1983 Jul;31(7):627–36 **(Jpn)**
[Accumulation mechanism of 201Tl—K-contents and Na, K-ATPase activities of tissues] Nakamura K, et al. **Radioisotopes** 1983 Dec;32(12):626–8 (Eng. Abstr.) **(Jpn)**

MORTALITY

The influence of histologic type on survival in early extranodal non-Hodgkin's lymphoma in head and neck. Aozasa K, et al. **Oncology** 1984;41(3):164–9
[The survival curves of 153 cases of thyroid cancer] Paliaga A, et al. **Minerva Med** 1983 Oct 6;74(38):2203–9 (Eng. Abstr.) **(Ita)**

OCCURRENCE

The prevalence of thyroid disorders in a middle-aged female population, with special reference to the solitary thyroid nodule. Christensen SB, et al. **Acta Chir Scand** 1984; 150(1):13–9
Cancer in thyroid nodules. A community hospital survey. Werk EE Jr, et al. **Arch Intern Med** 1984 Mar;144(3):474–6
Thyroid cancer in children and teenagers. Goepfert H, et al. **Arch Otolaryngol** 1984 Feb;110(2):72–5
Multiple primary breast and thyroid cancer. Ron E, et al. **Br J Cancer** 1984 Jan;49(1):87–92
Occult papillary thyroid carcinoma in the young and the aged. Bondeson L, et al. **Cancer** 1984 Apr 15;53(8):1790–2
Thyroid carcinoma in Malmö, 1960–1977. Epidemiologic, clinical, and prognostic findings in a defined urban population. Christensen SB, et al. **Cancer** 1984 Apr 1; 53(7):1625–33
Association of thyroid carcinoma with malignant lymphoma. Bakri KM, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):645–55
Thyroid carcinoma in a pediatric military dependent population. Walker WO Jr. **Tex Med** 1984 Jan;80(1):43–6
[Occurrence of thyroid cancer in New Caledonia (letter)] Thevenot H, et al. **Presse Med** 1984 Apr 21;13(17):1096–7 **(Fre)**
[Frequency of malignancy and indications for surgery in nodular goiter in an endemic area] Nutz V, et al. **Dtsch Med Wochenschr** 1984 Aug 31;109(35):1319–21 (Eng. Abstr.) **(Ger)**
[Epidemiological studies on thyroid cancer in Nagasaki City] Jubashi T, et al. **Gan No Rinsho** 1984 May;30(5):459–65 (Eng. Abstr.) **(Jpn)**
[Multiple primary malignancies associated with thyroid cancer] Shinozaki N, et al. **Gan No Rinsho** 1983 Oct; 29(12):1385–91 (Eng. Abstr.) **(Jpn)**
[Incidence of thyroid cancer—geographic distribution of the disease in Japan] Sakka M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun; 43(6):777–80 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

The validity of some morphologic methods in the diagnosis of thyroid malignancy. Lukács GL, et al. **Acta Chir Scand** 1983;149(8):759–66
Medullary carcinoma arising in a thyroid with Hashimoto's disease. Weiss LM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):534–8
Do the prognoses of papillary and follicular thyroid carcinomas differ? Donohue JH, et al. **Am J Surg** 1984 Jul;148(1):168–73
Poorly differentiated ('insular') thyroid carcinoma. A reinterpretation of Langhans' 'wuchernde Struma'. Carcangiu ML, et al. **Am J Surg Pathol** 1984 Sep; 8(9):655–68
Signet-cell-simulating microfollicular adenoma of the thyroid. Mendelsohn G. **Am J Surg Pathol** 1984 Sep; 8(9):705–8
Papillary carcinoma of the thyroid. A discussion of its several morphologic expressions, with particular emphasis on the follicular variant. Rosaí J, et al. **Am J Surg Pathol** 1983 Dec;7(8):809–17
Thyroid papillary carcinoma. Pathological and philosophical controversies. Vickery AL Jr. **Am J Surg Pathol** 1983 Dec; 7(8):797–807
Fine needle aspiration biopsy. A reliable diagnostic tool in the management of thyroid nodules. Hanni CL, et al. **Am Surg** 1984 Sep;50(9):485–7
Cytological diagnosis of thyroid disease. Löwhagen T. **Ann Chir Gynaecol** 1983;72(3):90–5
Fine-needle aspiration biopsy of the thyroid. The problem of suspicious cytologic findings. Gharib H, et al. **Ann Intern Med** 1984 Jul;101(1):25–8
Occult papillary carcinoma of the thyroid appearing as lung metastasis [letter] Harach HR, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):529–30
Cytopathologic features of medullary carcinoma of the thyroid. Kini SR, et al. **Arch Pathol Lab Med** 1984 Feb; 108(2):156–9
Hürthle cell neoplasms. Malignant potential. Gosain AK, et al. **Arch Surg** 1984 May;119(5):515–9
C cell hyperplasia. Williams ED. **Bull Cancer (Paris)** 1984; 71(2):122–4
Anaplastic carcinoma of the thyroid with osteoclast-like giant cells. Esmaili JH, et al. **Cancer** 1983 Dec 1; 52(11):2122–8 (53 ref.)
Follicular neoplasms of the thyroid. A study of 44 cases followed for a minimum of 10 years, with emphasis on differential diagnosis. Evans HL. **Cancer** 1984 Aug 1; 54(3):535–40
Pulmonary metastases in differentiated thyroid carcinoma. Study of 58 cases with implications for the primary tumor treatment. Massin JP, et al. **Cancer** 1984 Feb 15; 53(4):982–92
Primary mucoepidermoid carcinoma in the thyroid gland. A case report including an ultrastructural and biochemical study. Mizukami Y, et al. **Cancer** 1984 Apr 15;53(8):1741–5
Dedifferentiation of a transplantable papillary thyroid

carcinoma over a 15-year period. Orvoine RH, et al. **Cancer** 1983 Nov 1;52(9):1720–7

Poorly differentiated carcinoma of the thyroid. A clinicopathologic entity for a high-risk group of papillary and follicular carcinomas. Sakamoto A, et al. **Cancer** 1983 Nov 15;52(10):1849–55

The encapsulated papillary carcinoma of the thyroid. A morphologic subtype of the papillary thyroid carcinoma. Schröder S, et al. **Cancer** 1984 Jul 1;54(1):90–3

Occult papillary carcinoma of the thyroid with distant metastases. Strate SM, et al. **Cancer** 1984 Sep 15; 54(6):1093–100

Demonstration of an extracellular matrix in multicellular tumor spheroids. Nederman T, et al. **Cancer Res** 1984 Jul; 44(7):3090–7

Malignant follicles of a differentiated thyroid carcinoma releasing iodinated thyroglobulin into the lymphatic vessels. Gebel F, et al. **Clin Endocrinol (Oxf)** 1984 Apr; 20(4):457–62

Bony metastases from thyroid carcinoma or contamination? Wiseman J. **Clin Nucl Med** 1984 Jun;9(6):363

Carcinomas of the thyroid gland invading larynx and trachea. Segal K, et al. **Clin Otolaryngol** 1984 Feb;9(1):21–5

Clinical traits in medullary carcinoma of the thyroid. Rasmusson B. **Dan Med Bull** 1984 Apr;31(2):159–64

Uncommon clinical manifestations in a case of thyroid carcinoma. Tovi F, et al. **Head Neck Surg** 1984 May–Jun; 6(5):974–7

Differentiated thyroid carcinoma, intermediate type: a new tumor entity with features of follicular and parafollicular cell carcinoma. Ljungberg O, et al. **Hum Pathol** 1984 Mar; 15(3):218–28

Simultaneous squamous cell carcinoma and papillary adenocarcinoma of the thyroid gland. Motoyama T, et al. **Hum Pathol** 1983 Nov;14(11):1009–10

Adenolipomatosis of the thyroid gland. Simha MR, et al. **Indian J Cancer** 1983 Sep–Oct;20(4):215–7

Human medullary thyroid carcinoma in culture provides a model relating growth dynamics, endocrine cell differentiation, and tumor progression. Berger CL, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):338–43

Cold thyroid nodules and aspiration biopsy cytology. Ghoshal B, et al. **J Indian Med Assoc** 1984 Apr; 82(4):127–31

Hürthle cell tumors of the thyroid gland. A clinicopathologic review and long-term follow-up. Caplan RH, et al. **JAMA** 1984 Jun 15;251(23):3114–7

Promotion of N-methyl-N-nitrosourea-induced thyroid tumors by iodine deficiency in F344/NCr rats. Ohshima M, et al. **JNCI** 1984 Jul;73(1):289–96

Second primary breast cancer following thyroid cancer: report of two cases. Tsuchiya A, et al. **Jpn J Clin Oncol** 1983 Dec;13(4):709–14

Clinicopathological studies of minimal thyroid and ordinary thyroid cancers. Noguchi M, et al. **Jpn J Surg** 1984 Mar; 14(2):110–7

Pathology of thyroid cancer: summary and update. Barney PL. **Laryngoscope** 1984 Apr;94(4):525–7

Histogenesis of thyroid carcinoma. Ljungberg O. **Med Hypotheses** 1984 Jul;14(3):253–7

Medullary and papillary thyroid carcinoma [letter] O'Neill ME, et al. **Med J Aust** 1984 Jun 9;140(12):747

Regional lymph node metastasis in the early stage of thyroid cancer with special reference to the dissection method. Mizuno S, et al. **Nagoya J Med Sci** 1983 Jun;45(3–4):71–7

The role of fine-needle aspiration biopsy cytology in the management of thyroid neoplasms. Meinders AE. **Neth J Med** 1983;26(8):213–4

Second primary tumor associated with salivary gland cancer. Pogrel MA, et al. **Oral Surg** 1984 Jul;58(1):71–5

Fine-needle aspiration biopsy of the thyroid gland. Petersen SV, et al. **Otolaryngol Head Neck Surg** 1984 Jun; 92(3):295–7

Cytological findings in medullary carcinoma of the thyroid. Schäffer R, et al. **Pathol Res Pract** 1984 May;178(5):461–6

Melanin-producing medullary carcinoma of the thyroid gland. A case report. Posen JA, et al. **S Afr Med J** 1984 Jan 14;65(2):57–9

The encapsulated follicular carcinoma of the thyroid. A clinicopathologic study of 35 cases. Schröder S, et al. **Virchows Arch [A]** 1984;402(3):259–73

Adenolipoma (thyrolipoma) of the thyroid gland report of two cases and review of literature. Schröder S, et al. **Virchows Arch [A]** 1984;404(1):99–103

Lipid-rich cell adenoma of the thyroid gland. Report of a peculiar thyroid tumour. Schröder S, et al. **Virchows Arch [A]** 1984;404(1):105–8

Thyroid tumours in children. Perrino GP, et al. **Z Kinderchir** 1983 Dec;38(6):371–3

[Combined forms of cancer of the thyroid gland] Simeonov L, et al. **Khirurgiia (Sofiia)** 1984;37(2):112–6 (Eng. Abstr.) **(Bul)**

[Occult carcinoma of the thyroid gland—a clinicopathologic study of 13 cases] Min J. **Chung Hua Chung Liu Tsa Chih** 1983 Nov;5(6):425–7 (Eng. Abstr.) **(Chi)**

[Follicular type of thyroid papillary carcinoma] Xu SX. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):63–5 (Eng. Abstr.) **(Chi)**

[Hematogenous metastasis of thyroid carcinoma] Zheng ZZ. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):391–2 (Eng. Abstr.) **(Chi)**

[Thyroid carcinoma in a medial neck cyst] Kristensen S, et al. **Ugeskr Laeger** 1984 Mar 26;146(13):974–5 (Eng. Abstr.) **(Dan)**

[Presence of jugulocarotid adenopathies in medullary carcinoma of the thyroid. Apropos of 20 cases] Spay G, et al. **Chirurgie** 1983;109(8):656–60 (Eng. Abstr.) **(Fre)**

[Angioma of the thyroid gland. Apropos of a case] Goëau-Brissonnière O, et al. **J Chir (Paris)** 1983 Nov; 120(11):629–32 (Eng. Abstr.) **(Fre)**

[Significance of preoperative cytology and rapid intraoperative section study in goiter surgery] Teuscher J, et al. **Helv Chir Acta** 1984 Apr;51(1):83–6 (Eng. Abstr.) **(Ger)**

[Early cancer of the thyroid. Subclassification of 268 differentiated thyroid cancers] Schröder S, et al. **Pathologe** 1983 Sep;4(5):225–34 **(Ger)**

[Morphology and clinical picture of thyroid cancer] Meng W, et al. **Z Arztl Fortbild (Jena)** 1983;77(15):635–8 (15 ref.) **(Ger)**

[Results of microscopic image analysis of the thyroid gland fine needle biopsies] Schuh D, et al. **Zentralbl Allg Pathol** 1984;129(1):35–41 (Eng. Abstr.) **(Ger)**

[Preoperative cytodiagnosis of thyroiditis] Fábián E, et al. **Orv Hetil** 1984 Sep 2;125(36):2181–4 (Eng. Abstr.) **(Hun)**

[Malignant teratoma of the thyroid in the adult. Presentation of a case and review of the literature] Ceriani R, et al. **Minerva Chir** 1984 Apr 15;39(7):437–42 (Eng. Abstr.) **(Ita)**

[Needle aspiration cytology in the diagnosis of thyroid nodules] Gabrielli F, et al. **Minerva Med** 1984 Jun 23; 75(26):1555–64 (Eng. Abstr.) **(Ita)**

[Retrosternal thyroid cancers. Considerations on 25 cases] Sandrucci S, et al. **Minerva Med** 1984 May 12;75(20):1193–8 (Eng. Abstr.) **(Ita)**

[Nodal psammoma body in thyroid cancer as an indicator of cancer metastasis to the lymph node] Hosoya T, et al. **Gan No Rinsho** 1983 Sep;29(11):1336–9 (Eng. Abstr.) **(Jpn)**

[A case of thyroid carcinoma with temporal bone metastasis] Sasaki J, et al. **Gan No Rinsho** 1984 Feb;30(2):162–6 (Eng. Abstr.) **(Jpn)**

[A case report of minimal cancer of the thyroid gland with lymph node metastasis] Takahashi K, et al. **Gan No Rinsho** 1984 Mar;30(3):275–77 **(Jpn)**

[Autopsy case of simultaneous triple malignancies—ovarian, chordoma and thyroid cancers] Yamamoto Y, et al. **Gan No Rinsho** 1983 Sep;29(11):1375–8 (Eng. Abstr.) **(Jpn)**

[Fine needle biopsy of thyroid tumor] Aiyoshi Y, et al. **Horumon To Rinsho** 1983 Sep;31(9):873–5 **(Jpn)**

[Thyroid papilloma arising from thyroglossal cyst] Hanamatsu M, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:92–5 **(Jpn)**

[Functional thyroid nodules (functioning nodular goiter)—comparative evaluation of adenomatous goiter and adenoma] Ishida T, et al. **Horumon To Rinsho** 1983 Jul; 31(7):621–6 **(Jpn)**

[Thymoma of the thyroid gland—3 cases] Matsuzuka F, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:105–7 **(Jpn)**

[Undifferentiated medullary thyroid carcinoma—7 cases] Miyauchi A, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:100–2 **(Jpn)**

[Divergent histology in the primary and metastatic lesions of thyroid carcinoma] Harada T, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):758–61 (Eng. Abstr.) **(Jpn)**

[A case report of diffuse malignant pleural mesothelioma combined with follicular thyroid carcinoma, and a biochemical study on its glycosaminoglycans] Nakano T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1117–21 (Eng. Abstr.) **(Jpn)**

[2 cases of Hashitoxicosis with histological features of adenomatous goiter] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jun 20;59(6):880–7 (Eng. Abstr.) **(Jpn)**

[Hormone-secreting tumors in the thyroid and parathyroid glands. Morphological studies] Fujimoto Y. **Nippon Rinsho** 1983 Jun;41(6):1147–53 **(Jpn)**

[Comparison of cytological and histological findings in benign thyroid growths] Doerr-Winogradow K, et al. **Endokrynol Pol** 1983;34(2):87–94 (Eng. Abstr.) **(Pol)**

[Thyroid cancer metastasis to a clear-cell cancer of the kidney] Zagrebin VM. **Arkh Patol** 1984;46(4):76–8 (Eng. Abstr.) **(Rus)**

[Primary thyroid and breast cancers in a patient with pituitary adenoma and acromegaly] Marova EI, et al. **Sov Med** 1983; (7):119–22 **(Rus)**

[Rare case of metastasis of poorly differentiated carcinoma of the thyroid to the heart] Tolkacheva GA, et al. **Ter Arkh** 1983;55(10):107–9 (12 ref.) (Eng. Abstr.) **(Rus)**

[Pathology review. Papillary carcinoma of the thyroid] Castillo M. **Bol Asoc Med PR** 1983 Mar;75(3):122 **(Spa)**

[Chronic obstructive lung disease and tumor in the neck (clinical conference)] **Medicina (B Aires)** 1983;43(3):319–26 **(Spa)**

[Medullary carcinoma of the thyroid gland. Clinico-pathologic and immunohistochemical study] Elsner B, et al. **Medicina (B Aires)** 1983;43(3):263–70 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Toxic adenoma in childhood—case report. Lepre F, et al. **Aust Paediatr J** 1983 Dec;19(4):258–9

Correlation of malignancy with the intracellular Na+:K+ ratio in human thyroid tumors. Nagy I, et al. **Cancer Res** 1983 Nov;43(11):5395–402

Effects of vinblastine and 5-fluorouracil on human glioma and thyroid cancer cell monolayers and spheroids. Nederman T. **Cancer Res** 1984 Jan;44(1):254–8

[Functional lymph node metastases of thyroid cancer in 2 patients with Basedow's disease] Wemeau JL, et al. **LARC Med** 1984 Feb;4(2):79–84 (Eng. Abstr.) **(Fre)**

[Thyroid activity in patients with thyroid neoplasms] Demidov VP, et al. **Vopr Onkol** 1983;29(11):27–32 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Physiological basis for the use of potassium iodide as a thyroid blocking agent logistic issues in its distribution. Becker DV. **Bull NY Acad Med** 1983 Dec;59(10):1003–8

Indications for using potassium iodide to protect the thyroid from low level internal irradiation. Robbins J. **Bull NY Acad Med** 1983 Dec;59(10):1028–38

Recommendations on the use of potassium iodide as a thyroid-blocking agent in radiation accidents: an FDA update. Shleien B, et al. **Bull NY Acad Med** 1983 Dec; 59(10):1009–19

Risks in mass distribution of potassium iodide. Yalow RS. **Bull NY Acad Med** 1983 Dec;59(10):1020–7

The use of iodine as a thyroidal blocking agent in the event of a reactor accident. Report of the Environmental Hazards Committee of the American Thyroid Association. Becker DV, et al. **JAMA** 1984 Aug 3;252(5):659–61

[Role of organizational-methodologic measures in the diagnosis of early forms of cancer of the thyroid gland in a zone of endemic goiter] Demidov VP, et al. **Sov Med** 1984;(3):102–5 **(Rus)**

[Screening the thyroid gland in x-ray diagnostic studies of the organs of the thoracic cavity] Belov SA, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):71–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Demonstration by computed tomography of delayed thyroid metastasis. Chawla K, et al. **J Natl Med Assoc** 1984 Apr; 76(4):411–2

[Evaluation of percutaneous thyroidography in diagnosis of thyroid tumor] Shou SM. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):385–7 (Eng. Abstr.) **(Chi)**

[Adenolipoma of the thyroid (thyrolipoma). A case report of a rare fat cell tumor diagnosed by computed tomography] Schröder S, et al. **ROFO** 1984 Aug; 141(2):239–40 **(Ger)**

[Esophago-tracheal fistula in malignant non-Hodgkin lymphoma] Steidle B, et al. **ROFO** 1984 May;140(5):611–2 **(Ger)**

[The CT-scan in the study of mediastinal masses of suspected thyroid origin] Scribano E, et al. **Radiol Med (Torino)** 1983 Nov;69(11):844–6 (Eng. Abstr.) **(Ita)**

[Selective thyroid arteriography in the diagnosis of thyroid neoplasms] Morita Y. **Rinsho Hoshasen** 1981 Dec; 26(13):1379–84 (Eng. Abstr.) **(Jpn)**

[Diagnosis of thyroid cancer with angiography] Morita Y, et al. **Rinsho Hoshasen** 1980 Dec;25(13):1369–75 (Eng. Abstr.) **(Jpn)**

[X-ray characteristics of thyroid cancer metastases into the organs of the chest cavity] Lutsenko IV. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):33–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Kinetics of 201Tl uptake in adenomas and well-differentiated carcinomas of the thyroid. A double isotope investigation with 99Tcm and 201Tl. Tennvall J, et al. **Acta Radiol [Oncol]** 1984;23(1):55–9

Preoperative scintigraphy with correlation to cytology and histopathology in carcinoma of the thyroid. Tennvall J, et al. **Acta Radiol [Oncol]** 1983;22(3):183–91

Post-laryngectomy localization of I-131 at tracheostomy site on a total body scan. Kirk GA, et al. **Clin Nucl Med** 1984 Jul;9(7):409–11

Diagnosing metastases of differentiated thyroid carcinoma with 201 thallium scan: a case report. Cosimelli M, et al. **Clin Oncol** 1984 Jun;10(2):163–6

The rational use of 201Tl scintigraphy in the evaluation of differentiated thyroid cancer. Němec J, et al. **Eur J Nucl Med** 1984;9(6):261–4

99mTc-phosphonates for imaging of amyloid in C-cell carcinoma. Reuter E, et al. **Eur J Nucl Med** 1983; 8(9):398–400

Analysis of thyroid carcinoma in patients with cold thyroid nodules: a review. Cochran W Jr, et al. **J Natl Med Assoc** 1984 Feb;76(2):135–7

A new imaging agent for medullary carcinoma of the thyroid. Ohta H, et al. **J Nucl Med** 1984 Mar;25(3):323–5

Imaging of medullary thyroid cancer with 131I-MIBG [letter] Endo K, et al. **Lancet** 1984 Jul 28;2(8396):233

[Hot pseudonodule disclosing a thyroid cancer in a child] Sablayrolles B, et al. **Arch Fr Pediatr** 1983 Oct;40(8):655–6 (Eng. Abstr.) **(Fre)**

[False interpretation of scintigraphie 'cold struma nodules'] Steiner M, et al. **Helv Chir Acta** 1984 Apr;51(1):87–90 (Eng. Abstr.) **(Ger)**

[Computerized 201 thallium study of thyroid cold nodules] Palermo F, et al. **Minerva Chir** 1984 Feb 15;39(3):121–8 (Eng. Abstr.) **(Ita)**

[Differential diagnosis of malignant and benign nodular goiters with early and delayed 201TiCl scintigraphy] Kakehi H, et al. **Kaku Igaku** 1984 Feb;21(2):141–7 (Eng. Abstr.) **(Jpn)**

[Thyroid scintigraphy. The diagnostic value in the prediction of solitary thyroid nodules. A prospective study of 202 patients] Solem JH, et al. **Tidsskr Nor Laegeforen** 1984 Feb 20;104(5):297–9 (Eng. Abstr.) **(Nor)**

RADIOTHERAPY

Successful treatment of solitary toxic thyroid nodules with relatively low-dose iodine-131, with low prevalence of hypothyroidism. Ross DS, et al. **Ann Intern Med** 1984 Oct; 101(4):488–90

Radioiodine treatment of metastatic thyroid carcinoma: the Royal Marsden Hospital experience. Brown AP, et al. **Br J Radiol** 1984 Apr;57(676):323–7

Radioiodine in the treatment of hereditary medullary carcinoma of the thyroid. Nieuwenhuijzen Kruseman AC, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):491–4

Sialadenitis following I-131 therapy for thyroid carcinoma: concise communication. Allweiss P, et al. **J Nucl Med** 1984 Jul;25(7):755–8

Thyroid remnant ablation: questionable pursuit of an ill-defined goal [letter] Riccabona G. **J Nucl Med** 1984 Jun;25(6):727–8

Relation between effective radiation dose and outcome of radioiodine therapy for thyroid cancer. Maxon HR, et al. **N Engl J Med** 1983 Oct 20;309(16):937–41

The rare occurrence of a radiation-induced osteosarcoma in the clavicule after treatment of thyroid cancer. Wasylewski AH, et al. **Pathol Res Pract** 1984 May; 178(5):441–5

[Results of radioiodine treatment of autonomous thyroid adenomas taking into consideration regional iodine kinetics and paranodular uptake] Tosch U, et al. **Nuklearmedizin** 1983 Aug;22(4):187–91 (Eng. Abstr.) **(Ger)**

[Survival times of patients with thyroid cancer following radioiodine therapy] Correns HJ, et al. **Radiobiol Radiother (Berl)** 1984;25(3):405–10 (Eng. Abstr.) **(Ger)**

[Percutaneous radiotherapy in thyroid malignancies—curative and palliative viewpoints] Teller PH, et al. **Strahlentherapie** 1984 Jun;160(6):349–56 (Eng. Abstr.) **(Ger)**

[Radiotherapy of thyroid cancers] Aoki Y, et al. **Rinsho Hoshasen** 1983 Aug;28(8):927–8 **(Jpn)**

[Indications for and against the treatment of thyroid cancer with radioactive iodine] Więckowski B, et al. **Pol Tyg Lek** 1983 Apr 18;38(16):501–3 (Eng. Abstr.) **(Pol)**

[The treatment of thyroid carcinoma. Results of 19 years' use of I-131] Gordon F, et al. **Gac Med Mex** 1983 Sep; 119(9):356–60 **(Spa)**

SECONDARY

A comparison of the effectiveness of 131I whole body scans and plasma Tg determinations in the diagnosis of metastatic differentiated carcinoma of the thyroid: a retrospective study. Hüfner M, et al. **Acta Endocrinol (Copenh)** 1983 Nov; 104(3):327–32

Endocrine organ metastases from breast carcinoma. de la Monte SM, et al. **Am J Pathol** 1984 Jan;114(1):131–6

Thyroid metastasis of renal cell adenocarcinoma. Mukhopadhyay M, et al. **J Indian Med Assoc** 1983 May; 80(9–10):145–6, 151

Fine needle aspiration biopsy in diagnosis of metastases to thyroid gland. Lennard TW, et al. **J R Soc Med** 1984 Mar; 77(3):196–7

Cervical metastases from small bowel carcinoid tumors. Marks WH, et al. **J Surg Oncol** 1983 Oct;24(2):135–41

Tracheal carcinoma presenting as a thyroid tumor. Zirkin HJ, et al. **J Surg Oncol** 1984 Aug;26(4):268–71

Seminoma of testicle metastatic to thyroid. Steinfeld AD, et al. **Urology** 1984 Feb;23(2):163–6

[Intrathyroid metastasis. Anatomo-clinical problem] Couvreur Y, et al. **Acta Chir Belg** 1983 Sep–Oct;83(5):332–6 (Eng. Abstr.) **(Fre)**

[Thyroid and duodenal metastases of a renal cancer] Goëau-Brissonnière O, et al. **Chirurgie** 1983;109(5):415–8 (Eng. Abstr.) **(Fre)**

[An autopsy case of metastatic thyroid tumor] Takashima S, et al. **Gan No Rinsho** 1984 Jul;30(8):880–4 (Eng. Abstr.) **(Jpn)**

SECRETION

A case of calcitonin producing adenoma of the thyroid. Kodama T, et al. **Endocrinol Jpn** 1984 Feb;31(1):63–70

Ratios of alpha to beta TSH mRNA in normal and hypothyroid pituitaries and TSH-secreting tumors. Gurr JA, et al. **Endocrinology** 1984 Aug;115(2):830–2

Concomitant secretion of katacalcin and calcitonin from perifused human medullary thyroid calcinoma tissue. Iwasaki J, et al. **Horm Metab Res** 1983 Nov;15(11):572–3

[Calcitonin cancers: definition, history, various forms] Calmettes C. **Bull Cancer (Paris)** 1984;71(2):114–21 (79 ref.) (Eng. Abstr.) **(Fre)**

[Medullary thyroid cancer] Milhaud G. **Bull Cancer (Paris)** 1984;71(2):111–3 **(Fre)**

[Hypercalcemia regressing after excision of papillary cancer of the thyroid (letter)] Helou C, et al. **Presse Med** 1984 Feb 11;13(5):287 **(Fre)**

SURGERY

Changing the operative strategy for thyroid cancer by node sampling. Rosen IB, et al. **Am J Surg** 1983 Oct;146(4):504–8

Surgical treatment of thyroid carcinoma. Sivula A. **Ann Chir Gynaecol** 1983;72(3):105–11

The treatment of differentiated carcinoma of the thyroid gland. Selective management? Guillamondegui OM, et al. **Arch Otolaryngol** 1983 Nov;109(11):743–5

Radical operation for thyroid carcinoma invading the trachea. Nakao K, et al. **Arch Surg** 1984 Sep;119(9):1046–9

Follicular carcinoma of the thyroid appearing as an intraluminal superior vena cava tumor. Perez D, et al. **Arch Surg** 1984 Mar;119(3):323–6

Nonparallel patterns of calcitonin and carcinoembryonic antigen levels in the follow-up of medullary thyroid carcinoma. Busnardo B, et al. **Cancer** 1984 Jan 15; 53(2):278–85

Thyroglobulin levels to follow-up patients with treated differentiated thyroid carcinoma. Moser E, et al. **Cancer Detect Prev** 1984;7(2):79–86

Surgical treatment of thyroid cancer. Yoel J, et al. **Int Adv Surg Oncol** 1984;7:373–97

Thyroid surgery. Greisen O, et al. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):298–301

The clinical course after definitive operation for medullary thyroid carcinoma. Jackson CE, et al. **Surgery** 1983 Dec; 94(6):995–1001

[Late results of surgical treatment of cancer of the thyroid gland in children and adolescents] Simeonov L, et al. **Khirurgiia (Sofiia)** 1984;37(1):32–6 (Eng. Abstr.) **(Bul)**

[Diagnosis and treatment of tumors and tumor-like lesions of the thyroid gland in the oral and maxillofacial region—report of 81 cases] Qiu WL. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):141–4 **(Chi)**

[Thyroid cancer. Assessment, surgical treatment and prognosis] Geerdsen JP. **Ugeskr Laeger** 1983 Oct 17; 145(42):3240–2 (Eng. Abstr.) **(Dan)**

[Extensive surgery] Henry JF. **Ann Endocrinol (Paris)** 1983; 44(5):269–71 **(Fre)**

[Initial surgical treatment of differentiated epithelioma of the thyroid] Travagli JP, et al. **Ann Endocrinol (Paris)** 1983; 44(5):273–4 **(Fre)**

[Differentiated thyroid cancers. Thyroid recurrence after limited surgery] Henry JF, et al. **Presse Med** 1984 Jun 30; 13(27):1671–4 (Eng. Abstr.) **(Fre)**

[Secondary resection in primarily omitted thyroidectomy as a prerequisite for multimodal therapy of differentiated thyroid cancers] Günther B, et al. **Chirurg** 1984 May; 55(5):336–8 (Eng. Abstr.) **(Ger)**

[Differentiated thyroid carcinomas. Radical therapeutic strategy] Berchtold R, et al. **Dtsch Med Wochenschr** 1984 Apr 20;109(16):626–34 **(Ger)**

[Surgical interventions in advanced age: struma surgery] Günther B, et al. **Fortschr Med** 1983 Sep 1;101(33):1477–9 **(Ger)**

[Stage-dependent operative treatment of malignant struma. A therapeutic concept based on data and results from the literature] Sellschopp C, et al. **Fortschr Med** 1984 Jun 28; 102(24):669–72 (Eng. Abstr.) **(Ger)**

[Prognosis of follicular thyroid cancer in the Tyrolean endemic goiter area] Ladurner D, et al. **Langenbecks Arch Chir** 1983;360(4):267–77 (Eng. Abstr.) **(Ger)**

[Medullary carcinoma of the thyroid. Diagnostic considerations. Apropos of a clinical case] Amico A, et al. **Minerva Chir** 1984 Mar 31;39(6):415–7 (Eng. Abstr.) **(Ita)**

[Surgery of cancer of the thyroid. Our experience in 158 operated cases] Giuliani L, et al. **Minerva Chir** 1984 Apr 15;39(7):431–6 (Eng. Abstr.) **(Ita)**

[Prognosis of differentiated carcinomas of the thyroid] Pelizzo MR, et al. **Minerva Chir** 1983 Oct 15;38(19):1463–8 **(Ita)**

[Differentiated carcinoma of the thyroid] Vecchiati E, et al. **Minerva Med** 1984 Jul 14;75(28–29):1721–6 (Eng. Abstr.) **(Ita)**

[Pregnancy and delivery following surgical management of thyroid cancer and Cushing's disease] Kaneko N, et al. **Horumon To Rinsho** 1983 Aug;31(8):761–4 **(Jpn)**

[Chronology of medullary carcinoma of the thyroid] Miyauchi A, et al. **Nippon Geka Gakkai Zasshi** 1984 Mar; 85(3):218–24 (Eng. Abstr.) **(Jpn)**

[Primary tracheal anastomosis after resection of mediastinal thyroid carcinoma—successful management of paralysis of bilateral recurrent laryngeal nerves] Ishii N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):272–6 (Eng. Abstr.) **(Jpn)**

[Changes in serum thyroxine (T4) and triiodothyronine (T3) levels after surgery on patients with diseases of the thyroid gland] Vulchev D, et al. **Khirurgiia (Sofiia)** 1983; 36(6):532–5 **(Rus)**

[Hormonal changes in cancer of the thyroid gland before treatment and in the early postoperative period] Demidov VP, et al. **Sov Med** 1984;(2):95–7 **(Rus)**

[Prevention of postoperative hypoparathyroidism in thyroid cancer] Demidov VP, et al. **Sov Med** 1984;(5):104–7 **(Rus)**

[Surgical treatment of thyrotoxic goiter] Nelmark II. **Vestn Khir** 1983 Aug;131(8):104–8 (Eng. Abstr.) **(Rus)**

[Various characteristics of repeated surgical procedures in thyroid cancer] Valdina EA. **Vestn Khir** 1984 May; 132(5):121–4 **(Rus)**

THERAPY

Treatment of Hürthle cell neoplasms of the thyroid [letter] Bondeson L, et al. **Arch Surg** 1983 Dec;118(12):1453

The cold thyroid nodule: an analysis of diagnostic and therapeutic options. Molitch ME, et al. **Endocr Rev** 1984 Spring;5(2):185–99 (83 ref.)

The autonomously functioning thyroid adenoma: clinical consideration [editorial] Hamburger J. **N Engl J Med** 1983 Dec 15;309(24):1512–3

Immunotherapy of thyroid cancer by induction of autoimmune thyroiditis. Gerfo PL, et al. **Surgery** 1983 Dec; 94(6):959–65

Multimodal therapy in anaplastic giant cell thyroid carcinoma. Werner B, et al. **World J Surg** 1984 Feb; 8(1):64–70

[Systematic monitoring of treated differentiated thyroid cancers] Mornex R, et al. **Ann Endocrinol (Paris)** 1983; 44(5):275–6 **(Fre)**

[Differentiated cancers of the thyroid gland. Treatment and long-term results] Tubiana M. **Ann Endocrinol (Paris)** 1983; 44(5):267–8 **(Fre)**

[Medullary carcinoma of the thyroid gland] Verdy M. **Union Med Can** 1983 Dec;112(12):1122–3 (Eng. Abstr.) **(Fre)**

[Long-term observation of 15 patients with differentiated thyroid cancer and elevated plasma thyroglobulin levels of unclear origin] Stumpf HP, et al. **Klin Wochenschr** 1984 May 2;62(9):417–22 (Eng. Abstr.) **(Ger)**

[Follow-up of patients with differentiated thyroid cancer: determination of serum thyroglobulin in place of routine 131I scintigraphy?] Schatz H, et al. **Wien Klin Wochenschr** 1984 May 11;96(10):389–93 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructure of anaplastic carcinoma (spindle and giant cell type) with large calcification in the thyroid gland. Yamana K, et al. **Acta Pathol Jpn** 1984 May;34(3):585–92

The anaplastic transformation of differentiated thyroid carcinoma. An ultrastructural study. Dumitriu L, et al. **Endocrinologie** 1984 Apr–Jun;22(2):91–6

[Hürthle cell carcinoma of the thyroid gland] Svastits E, et al. **Orv Hetil** 1984 Jan 1;125(1):5–8 (Eng. Abstr.) **(Hun)**

[A case of multiple endocrine neoplasia (MEN), type 2A. Immunohistochemical and ultrastructural study of medullary carcinoma of the thyroid] Tabuse Y, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):736–43 (Eng. Abstr.) **(Jpn)**

VETERINARY

C-cell tumours of the thyroid in the horse. Lucke VM, et al. **Equine Vet J** 1984 Jan;16(1):28–30

Morphological classification and incidence of thyroid tumors in untreated aged mice. Frith CH, et al. **J Gerontol** 1984 Jan;39(1):7–10

Thyroid adenocarcinoma in a dog. Ackerman LJ, et al. **Mod Vet Pract** 1984 Apr;65(4):303, 306

Thyroglobulin and calcitonin immunoreactivity in canine thyroid carcinomas. Moore FM, et al. **Vet Pathol** 1984 Mar; 21(2):168–73

Pheochromocytomas and ultimobranchial (C-cell) neoplasms in the bull: evidence of autosomal dominant inheritance in the Guernsey breed. Sponenberg DP, et al. **Vet Pathol** 1983 Jul;20(4):396–400

Thyroid carcinoma in a cat. Cowen PN, et al. **Vet Rec** 1984 May 26;114(21):521–2

THYROID STIMULATING HORMONE see **THYROTROPIN**

THYROID STIMULATOR, LONG-ACTING see **LONG-ACTING THYROID STIMULATOR**

THYROIDECTOMY

Effect of the removal of different endocrine glands upon insulin secretion and B-cell ultrastructure. Gómez Dumm CL, et al. **Acta Anat (Basel)** 1984;119(4):241–7

Changes in the multiple components of rat pituitary TSH and TSH beta subunit following thyroidectomy. Mori M, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):49–56

Effect of acute thyroparathyroidectomy on nephron acidification. Bengele HH, et al. **Am J Physiol** 1984 May; 246(5 Pt 2):F569–74

Renal adaptation to phosphate load in the acutely thyroparathyroidectomized rat: rapid alteration in brush border membrane phosphate transport. Cheng L, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F488–94

Thyroparathyroidectomy exaggerates calciuric action of ammonium chloride in rats. Goulding A, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F54–8

Long-term follow-up of patients with Grave's disease treated by subtotal thyroidectomy. Maier WP, et al. **Am J Surg** 1984 Feb;147(2):266–8

Beta-adrenoceptor blockade and anaesthesia for thyroidectomy. Hamilton WF, et al. **Anaesthesia** 1984 Apr; 39(4):335–42 (39 ref.)

Effect of thyroidectomy on the kinetics of ADP-ATP translocation in liver mitochondria. Mak IT, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):317–23

Radical operation for thyroid carcinoma invading the trachea. Nakao K, et al. **Arch Surg** 1984 Sep;119(9):1046–9

Extraction of a substance with calcitonin-like immunoreactivity from pituitary glands of intact and thyroidectomized rats. Bone HG 3d, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):620–3

Effect of thyroid hormones from maternal milk on some measures of body growth and endocrine system in newborn sucklings. Turakulov YK, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):255–61

Compensatory thyroid hyperplasia in hemithyroidectomized Snell dwarf mice. Lewiński A, et al. **Endocrinology** 1983 Dec;113(6):2317–9

Hormonal effects on liver glutamate dehydrogenase in adrenalectomized and thyroidectomized rats. Yaroni S, et al. **Endocrinology** 1984 Jun;114(6):2337–43

Differential effects of propylthiouracil, methimazole and thyroidectomy on liver ferritin. Deshpande UR, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):242–5

Thyroid photoperiod and gonadal regression in the common myna Acridotheres tristis. Chaturvedi CM, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):279–82

Thyroidectomy prevents the development of photorefractoriness and the associated rise in plasma prolactin in starlings. Goldsmith AR, et al. **Gen Comp Endocrinol** 1984 May;54(2):256–63

Studies on the conversion of thyroxine to 3,5,3'-triiodothyronine in normal and thyroidectomized chickens. Rudas P, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):154–61

Thyroid and gonad in the oxidative metabolism, erythropoiesis, and light response of the migratory redheaded bunting, Emberiza bruniceps. Thapliyal JP, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):444–53

Parathyroid gland transplantation after total thyroidectomy with pharyngolaryngoesophagectomy. Freeman JL, et al. **Head Neck Surg** 1983 Sep–Oct;6(1):610–2

Estimates of circulating monomeric calcitonin: physiological studies in normal and thyroidectomized man. Body JJ, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):897–903

Study of the pituitary-thyroid axis in euthyroid goiter after partial thyroidectomy. Lombardi G, et al. **J Endocrinol Invest** 1983 Dec;6(6):485–7

Bupivacaine infiltration for thyroid surgery. Park GR, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):295–6

Serum thyroglobulin in patients with early thyroid cancer who have residual thyroid after total thyroidectomy [letter] Panza N, et al. **Lancet** 1984 Feb 18;1(8373):398

Effects of short- and long-term thyroidectomy on mitochondrial and nuclear activity in adult rat brain. Dembri A, et al. **Mol Cell Endocrinol** 1983 Dec; 33(2–3):211–23

Midtrimester thyroidectomy in the ovine fetus. Ayromlooi J, et al. **Pediatr Pharmacol (New York)** 1983;3(1):15–28

X-ray microanalysis of hepatocytes in thyroidectomized rats. Smith NK, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov;42(2):343–4

Effect of short-term ozone exposure on exogenous thyroxine levels in thyroidectomized and hypophysectomized rats. Clemons GK, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):86–90

[Postoperative course and tactics of aftercare in hyperthyroidism] de Heer K, et al. **Chirurg** 1984 Mar; 55(3):171–3 (Eng. Abstr.) (Ger)

[Electromyography in function disorders of the cricothyroid muscle following trauma and strumectomy] Fasshauer K, et al. **EEG EMG** 1984 Jun;15(2):99–104 (Eng. Abstr.) (Ger)

[Surgical interventions in advanced age: struma surgery] Günther B, et al. **Fortschr Med** 1983 Sep 1;101(33):1477–9 (Ger)

[Significance of preoperative cytology and rapid intraoperative section study in goiter surgery] Teuscher J, et al. **Helv Chir Acta** 1984 Apr;51(1):83–6 (Eng. Abstr.) (Ger)

[Active ion transport in athyroid patients] Zidek W, et al. **Med Welt** 1984 Jan 27;35(4):125–6 (Ger)

[Significant manifestations and diagnostic difficulties in chronic secondary hypoparathyroidism] Broeker H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Apr; 36(4):215–22 (Eng. Abstr.) (Ger)

[Evaluation of the optimal thyroxine dose with the TRH test for replacement and suppression therapy] Erne P, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1922–3 (Eng. Abstr.) (Ger)

[Hormonal variations after partial resection of the thyroid. Preliminary note] Francomano F, et al. **Ann Ital Chir** 1983; 55(3):285–93 (Eng. Abstr.) (Ita)

[Intraoperative functional study of unilateral cold thyroid nodules] Sobbrio GA, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1112–5 (Eng. Abstr.) (Ita)

[Brief and medium term study of thyroid function in 30 patients after subtotal thyroidectomy] Giulini SM, et al. **Minerva Chir** 1983 Oct 15;38(19):1459–62 (Ita)

[Chronic thyroiditis--therapeutic aspects (experience with 580 operated cases)] Stoenescu D, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):39–44 (Eng. Abstr.) (Rum)

[Structural-functional alterations in contractile proteins in athyreotic dystrophy of the myocardium] Karsanov NV, et al. **Biofizika** 1983 Sep–Oct;28(5):748–51 (Eng. Abstr.) (Rus)

[Changes in serum thyroxine (T4) and triiodothyronine (T3) levels after surgery on patients with diseases of the thyroid gland] Vulchev D, et al. **Khirurgiia (Sofiia)** 1983; 36(6):532–5 (Rus)

[Role of disorders of the hypothalamo-hypophyseo-thyroid system in the development of postoperative hypothyroidism] Kalinin AP, et al. **Ter Arkh** 1983; 55(10):126–31 (131 ref.) (Rus)

[Surgical treatment of toxic goiter in diabetes mellitus patients] Myshkin KI, et al. **Vestn Khir** 1984 Feb; 132(2):19–21 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Late onset hypothyroidism after subtotal thyroidectomy for hyperthyroidism: implications for long term follow-up. Hedley AJ, et al. **Br J Surg** 1983 Dec;70(12):740–3

Complications of thyroidectomy. Farrar WB. **Surg Clin North Am** 1983 Dec;63(6):1353–61 (45 ref.)

[The compensative effect of Chinese drugs invigorating kidney or spleen on disturbed ovarian function of adrenalectomized or thyroidectomized rats] Li BR, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):227–9 (Eng. Abstr.) (Chi)

[Recurrent laryngeal nerve injury during thyroid operation: its prevention and treatment] Cao DS. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):393–5 (Eng. Abstr.) (Chi)

[4 cases of tracheal collapse following thyroidectomy] Sow ML, et al. **Dakar Med** 1983;28(1):11–9 (Eng. Abstr.) (Fre)

[Risk to the parathyroids in thyroid surgery. Value of parathyroid reimplantation. Apropos of a homogenous series of 350 operations] Paineau J, et al. **J Chir (Paris)** 1984 Jan;121(1):25–32 (Eng. Abstr.) (Fre)

[Value of health resort treatment in cases of laryngeal complications after strumectomy] Maniecka-Aleksandrowicz B, et al. **Otolaryngol Pol** 1983; 37(1):53–8 (Eng. Abstr.) (Pol)

[Prevention of hypoparathyroidism after operations on the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):50–3 (Eng. Abstr.) (Rus)

[Paradoxes of the surgical treatment of toxic goiter] Myshkin KI, et al. **Sov Med** 1983;(8):107–9 (Rus)

[Primary hypothyroidism: analysis of 200 cases controlled during 1 year] Aguayo J, et al. **Rev Med Chil** 1984 Mar; 112(3):252–9 (Eng. Abstr.) (Spa)

EDUCATION

Operative management of thyroid disease. Technical considerations in a residency training program. Pederson WC, et al. **Am J Surg** 1984 Sep;148(3):350–2

INSTRUMENTATION

A new instrument: the goiter extractor. Sacre R. **Head Neck Surg** 1984 Jul–Aug;6(6):1059–60

METHODS

The treatment of differentiated carcinoma of the thyroid gland. Selective management? Guillamondegui OM, et al. **Arch Otolaryngol** 1983 Nov;109(11):743–5

Hypocalcaemia after subtotal thyroidectomy for thyrotoxicosis. Ramus NI. **Br J Surg** 1984 Aug;71(8):589–90

A safe technique for thyroidectomy with complete nerve dissection and parathyroid preservation. Karlan MS, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1014–9

Surgical treatment of thyroid cancer. Yoel J, et al. **Int Adv Surg Oncol** 1984;7:373–97

Managing thyroid abnormalities in adults exposed to upper body irradiation in childhood: a decision analysis. Should patients without palpable nodules be scanned and those with scan defects be subjected to subtotal thyroidectomy? Stockwell RM, et al. **J Clin Endocrinol Metab** 1984 May; 58(5):804–12

Rationale for the operative management of substernal goiters. Allo MD, et al. **Surgery** 1983 Dec;94(6):969–77

Modified subtotal thyroidectomy for Graves' disease: a two-institution study. Bradley EI 3d, et al. **Surgery** 1983 Dec;94(6):955–8

[Problems of strumectomy in patients of older age groups] Moravec R, et al. **Rozhl Chir** 1984 Mar;63(3):149–52 (Eng. Abstr.) (Cze)

[Voice, laryngeal nerves and thyroid surgery. Anatomic and clinical study. Results apropos of a homogeneous series of 378 interventions] Paineau J, et al. **J Chir (Paris)** 1983 Jun-Jul;120(6-7):367–72 (Eng. Abstr.) (Fre)

[Secondary resection in primarily omitted thyroidectomy as a prerequisite for multimodal therapy of differentiated thyroid cancers] Günther B, et al. **Chirurg** 1984 May; 55(5):336–8 (Eng. Abstr.) (Ger)

[Surgery of cancer of the thyroid. Our experience in 158 operated cases] Giuliani L, et al. **Minerva Chir** 1984 Apr 15;39(7):431–6 (Eng. Abstr.) (Ita)

[Differentiated volume of thyroid gland resection in toxic goiter patients] Skripnichenko DF, et al. **Klin Khir** 1983 Dec;(12):29–32 (Eng. Abstr.) (Rus)

[Hormonal changes in cancer of the thyroid gland before treatment and in the early postoperative period] Demidov VP, et al. **Sov Med** 1984;(2):95–7 (Rus)

[Various characteristics of repeated surgical procedures in thyroid cancer] Valdina EA. **Vestn Khir** 1984 May; 132(5):121–4 (Rus)

THYROIDITIS

Thyrotoxic lymphocytic thyroiditis [letter] Nusynowitz ML. **Arch Intern Med** 1984 Mar;144(3):657

Subacute thyroiditis. Graber AL. **J Tenn Med Assoc** 1983 Aug;76(8):529, 531

BLOOD

[Subacute thyroiditis and thyroglobulin] Tamai H, et al. **Horumon To Rinsho** 1983 Aug;31(8):745–50 (Jpn)

COMPLICATIONS

Thyrotoxic myopathy associated with subacute thyroiditis. Tajima K, et al. **Clin Endocrinol (Oxf)** 1984 Mar; 20(3):307–12

A case of chronic urticaria and vitiligo, associated with thyroiditis, treated with PUVA. Midelfart K, et al. **Dermatologica** 1983;167(1):39–41

The thyroid gland in malignant lymphomas. Călin E. **Endocrinologie** 1983 Oct–Dec;21(4):285–7

Discoid lupus erythematosus in a patient with vitiligo and autoimmune thyroiditis. Callen JP. **Int J Dermatol** 1984 Apr;23(3):203–4

Fibrous disease of the breast, thyroiditis, and cheiroarthropathy in type I diabetes mellitus. Soler NG, et al. **Lancet** 1984 Jan 28;1(8370):193–5

Persistent vocal cord paralysis in subacute thyroiditis. Langevitz P, et al. **Postgrad Med J** 1983 Nov;59(697):726–7

[Association of polymyositis and auto-immune thyroiditis (letter)] Dahan V, et al. **Presse Med** 1984 Mar 3;13(9):563 (Fre)

[Isolated ACTH deficiency case complicated with chronic thyroiditis] Kamijo K, et al. **Horumon To Rinsho** 1983 Jun; 31 Suppl:9–11 (Jpn)

[Hashimoto's disease associated with subacute thyroiditis—2 cases] Sasaki J, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:68–70 (Jpn)

[A male case of primary biliary cirrhosis associated with chronic thyroiditis] Kamiya T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):272–6 (Jpn)

DIAGNOSIS

Transitory subclinical and permanent hypothyroidism in the course of subacute thyroiditis (de Quervain). Lio S, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):67–70

Painless postpartum thyroiditis seen initially as severe hypertension. White WB, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):346–7

Current concepts of thyroiditis. Levine SN. **Arch Intern Med** 1983 Oct;143(10):1952–6 (41 ref.)

Riedel's struma associated with subacute thyroiditis, hypothyroidism, and hypoparathyroidism. Chopra D, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):869–71

Subacute thyroiditis. Graber AL. **J Tenn Med Assoc** 1983 Aug;76(8):529, 531

Diagnostic criterion of granulomatous thyroiditis by the needle aspiration cytopathology. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):496–502

[Echography of non-suppurative thyroiditis] Poncin J, et al. **J Radiol** 1983 Dec;64(12):713–20 (Eng. Abstr.) (Fre)

[A case from general practice (14)] Spinas GA. **Praxis** 1983 Aug 9;72(32):1063–4 (Ger)

[Follicular thyroid carcinoma presenting as subacute thyroiditis] Ben-Assuly S, et al. **Harefuah** 1983 Mar 15; 104(6):232–3 (Eng. Abstr.) (Heb)

[Silent or painless thyroiditis] Rossi G. **Recenti Prog Med** 1984 Jan;75(1):92–4 (Ita)

[Invasive fibrous thyroiditis (Riedel's thyroiditis)] Aguayo J, et al. **Rev Med Chil** 1983 Dec;111(12):1263–6 (Eng. Abstr.) (Spa)

DRUG THERAPY

[Therapy of hypothyroidism, goiter, and thyroiditis] Jacobelli A. **Clin Ter** 1983 Jul 31;106(2):147–51 (Ita)

ENZYMOLOGY

Serum angiotensin-converting enzyme. Alterations in hyperthyroidism, hypothyroidism, and subacute thyroiditis. Smallridge RC, et al. **JAMA** 1983 Nov 11;250(18):2489–93

ETIOLOGY

Different aetiologies in post-partum thyroiditis? Dahlberg PA, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):195–200

Postpartum thyroiditis. Flaherty RJ. **Am Fam Physician** 1984 Feb;29(2):195–7

TASS syndrome: unusual association of thyroiuitis, Addison's disease, Sjögren's syndrome and sarcoidosis. Seinfeld ED,

et al. **J R Soc Med** 1983 Oct;76(10):883–5
Martial-arts thyroiditis [letter] Blum M, et al. **N Engl J Med** 1984 Jul 19;311(3):199–200
Autoimmune thyroiditis. De Baets MH. **Surv Immunol Res** 1983;2(3):289–92
[Recurrent acute thyroiditis probably due to thyroglossal duct] Matsushita T, et al. **Horumon To Rinsho** 1983 Jun; 31 Suppl:80–1 **(Jpn)**
[Thyroiditis during the postpartum period] Dahlberg PA, et al. **Lakartidningen** 1983 Sep 14;80(37):3303–9 **(Swe)**

FAMILIAL & GENETIC

Association of autoimmune thyroiditis and HLA-DR5 in multiple family members. Sack J, et al. **J Pediatr** 1983 Nov; 103(5):758–60

IMMUNOLOGY

Heterogeneity of autoimmune thyroiditis. Bech K, et al. **Allergy** 1984 May;39(4):239–47 (92 ref.)
T-cell subsets in the thyroids of mice developing autoimmune thyroiditis. Creemers P, et al. **Cell Immunol** 1984 Sep; 87(2):692–7
Increased frequency of HLA-DR3 and 5 in the syndromes of painless thyroiditis with transient thyrotoxicosis: evidence for an autoimmune aetiology. Farid NR, et al. **Clin Endocrinol (Oxf)** 1983 Dec;19(6):699–704
The role of the spleen in experimental autoimmune thyroiditis. Weetman AP, et al. **Clin Exp Immunol** 1984 Apr;56(1):135–42
A combination of necrosis of autologous thyroid gland and injection of lipopolysaccharide induces autoimmune thyroiditis. Okayasu I, et al. **Clin Immunol Immunopathol** 1984 Jun;31(3):344–52
The decreased growth rate of obese strain chicken thyroid cells provides in vitro evidence for a primary target organ abnormality in chickens susceptible to autoimmune thyroiditis. Truden JL, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):294–305
Thyroglobulin uptake and presentation by macrophages in experimental autoimmune thyroiditis. Weetman AP, et al. **Immunology** 1983 Oct;50(2):315–8
Autoimmune thyroid disease—antibodies that promote thyroid growth. Fine RM. **Int J Dermatol** 1984 Jun; 23(5):314–5
Intrathyroidal and circulating lymphocyte subsets in different stages of autoimmune postpartum thyroiditis. Jansson R, et al. **J Clin Endocrinol Metab** 1984 May;58(5):942–6
Antigen-specific B-cell function in human autoimmune thyroiditis. De Bernardo E, et al. **J Clin Immunol** 1983 Oct;3(4):392–8
Influence of methimazole on murine thyroiditis. Evidence for immunosuppression in vivo. Davies TF, et al. **J Clin Invest** 1984 Feb;73(2):397–404
The tissue distribution of thyroglobulin-responsive B and T cells in experimental autoimmune thyroiditis (EAT). Weetman AP, et al. **J Clin Lab Immunol** 1984 Jun; 14(2):59–63
Obese strain (OS) chickens with spontaneous autoimmune thyroiditis have a deficiency in thymic nurse cells. Boyd RL, et al. **J Immunol** 1984 Feb;132(2):718–24
T lymphocyte line specific for thyroglobulin produces or vaccinates against autoimmune thyroiditis in mice. Maron R, et al. **J Immunol** 1983 Nov;131(5):2316–22
Immunotherapy of thyroid cancer by induction of autoimmune thyroiditis. Gerfo PL, et al. **Surgery** 1983 Dec; 94(6):959–65
[Antithyroglobulin antibodies and autoimmune thyroiditis in man] Dobrew K, et al. **Allergol Immunopathol (Madr)** 1984 Mar-Apr;12(2):115–8 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Acute suppurative thyroiditis caused by Serratia marcescens. Reichling JJ, et al. **J Infect Dis** 1984 Feb;149(2):281

OCCURRENCE

The prevalence of thyroid disorders in a middle-aged female population, with special reference to the solitary thyroid nodule. Christensen SB, et al. **Acta Chir Scand** 1984; 150(1):13–9
Silent thyroiditis [letter] Schneeberg NG. **Arch Intern Med** 1983 Nov;143(11):2214

PATHOLOGY

Significance and function of multinucleate giant cells in de Quervain's thyroiditis. Cain H, et al. **Diagn Histopathol** 1983 Jul-Dec;6(3–4):181–93
Fibrous thyroiditis—an immunopathological study. Harach HR, et al. **Histopathology** 1983 Sep;7(5):739–51
Diagnostic criterion of granulomatous thyroiditis by the needle aspiration cytopathology. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):496–502
[Riedel's thyroiditis and retroperitoneal fibrosis. Apropos of a case of multiple fibrosing disease] Miro I, et al. **Ann Med Interne (Paris)** 1984;135(3):212–6 (Eng. Abstr.) **(Fre)**
[Riedel's thyroiditis. Apropos of a case with acute massive fibrous development] Contencin P, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(7):527–31 (Eng. Abstr.) **(Fre)**
[Preoperative cytodiagnosis of thyroiditis] Fábián E, et al. **Orv Hetil** 1984 Sep 2;125(36):2181–4 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

[Three pediatric cases of acute suppurative thyroiditis] Miyamoto M, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb; 51(1):126–30 **(Jpn)**

PREVENTION & CONTROL

The effects of female sex steroids on the development of autoimmune thyroiditis in thymectomized and irradiated rats. Ansar Ahmed S, et al. **Clin Exp Immunol** 1983 Nov; 54(2):351–8

RADIONUCLIDE IMAGING

Gallium-citrate thyroid scan in detecting and predicting the evolution of silent thyroiditis. Hsu CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1223–8

SURGERY

[Chronic thyroiditis—therapeutic aspects (experience with 580 operated cases)] Stoenescu D, et al. **Rev Chir [Chir]** 1984 Jan-Feb;33(1):39–44 (Eng. Abstr.) **(Rum)**

THYROIDITIS, LYMPHOMATOUS

BLOOD

[Hashimoto's thyroiditis: clinical, hormonal and serological review of 60 adult patients] Cabrer J, et al. **Med Clin (Barc)** 1984 May 12;82(18):785–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

A case of untreated chronic goitrous autoimmune thyroiditis with spontaneous fluctuation between different metabolic levels. Solem JH, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):24–7
Hashimoto's thyroiditis and membranous nephropathy developed in progressive systemic sclerosis (PSS). Akikusa B, et al. **Am J Clin Pathol** 1984 Feb;81(2):260–3
A benign cystic teratoma of the ovary with chronic thyroiditis. Nielsen VT. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1142–4
Hashimoto's thyroiditis and polyarthritis: a possible subset of seronegative polyarthritis. LeRiche NG, et al. **Ann Rheum Dis** 1984 Aug;43(4):594–8
Symptomatic thyroiditis and schizophrenia in a six-year-old girl. Sandler AP, et al. **J Clin Psychiatry** 1984 Jan; 45(1):36–7
Hashimoto's thyroiditis associated with dysthyroid eye disease, pretibial myxoedema and thyroid acropachy. Stewart G, et al. **J R Soc Med** 1984 Mar;77(3):240–3
Isolated ACTH deficiency associated with Hashimoto's thyroiditis: report of a case. Horii K, et al. **Jpn J Med** 1984 Feb;23(1):53–7
Non-Hodgkin lymphoma of the thyroid and Hashimoto's thyroiditis. Casparie AF, et al. **Neth J Med** 1984;27(2):44–9
[Malignant neoplasm of the thyroid gland associated with Hashimoto's autoimmune thyroiditis] Simeonov L, et al. **Khirurgiia (Sofiia)** 1983;36(5):425–9 (Eng. Abstr.) **(Bul)**
[Hyperthyroidism and/or chronic lymphocytic thyroiditis associated with thyroid cancer] Lin LX. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):91–4 (Eng. Abstr.) **(Chi)**
[Association of autoimmune thyroiditis and myositis (letter)] Prigent F. **Presse Med** 1984 Jun 9;13(24):1518 **(Fre)**
[A case of primary malignant lymphoma in the thyroid gland arising from pre-existing Hashimoto's disease] Kaneda H, et al. **Gan No Rinsho** 1984 Apr;30(4):373–7 (Eng. Abstr.) **(Jpn)**
[Hashimoto's disease associated with subacute thyroiditis—2 cases] Sasaki J, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:68–70 **(Jpn)**
[Studies on anti-T3 and anti-T4 autoantibodies found in 2 sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis. III. Anti-rT3 autoantibodies] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):973–82 (Eng. Abstr.) **(Jpn)**
[Mixed cryoglobulinemia associated with adrenal insufficiency, Hashimoto's thyroiditis, persistent chronic hepatitis and vasculitis] Larrañaga JR, et al. **Rev Clin Esp** 1984 Feb 15;172(3):175–6 **(Spa)**

DIAGNOSIS

Hodgkin's disease manifesting as Hashimoto's thyroiditis. Mate TP, et al. **Arch Intern Med** 1984 Jul;144(7):1473–4
[Thyroid echography in chronic autoimmune lymphocytic thyroiditis] Espinasse P. **J Radiol** 1983 Oct;64(10):537–44 (Eng. Abstr.) **(Fre)**
[Autoimmune thyroiditis in children] Alekseeva RM, et al. **Pediatriia** 1983 Oct;(10):48–51 **(Rus)**
[Autoimmune thyroiditis (clinical aspects, diagnosis and treatment)] Spesivtseva VG. **Sov Med** 1983;(12):59–64 **(Rus)**
[Hashimoto's thyroiditis mimicking autonomous thyroid nodule] Pérez Ortiz JL, et al. **Med Clin (Barc)** 1983 Dec 10;81(19):859–60 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Case of Hashimoto's disease with thyroxine induced allergic hepatitis] Inui A, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1407–13 **(Jpn)**

ETIOLOGY

[Association of thymoma and Hashimoto's thyroiditis. Fortuitous association or immunologic disease? (letter)] Sebillotte P, et al. **Presse Med** 1984 Feb 11;13(5):284–5 **(Fre)**

FAMILIAL & GENETIC

Autoimmune thyroiditis and HLA-DR5 in multiple family members [letter] Sack J, et al. **J Pediatr** 1984 Aug; 105(2):333

IMMUNOLOGY

Altered balance of immunoregulatory T lymphocyte subsets in autoimmune thyroid diseases. Misaki T, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):200–4
The distribution of immunoglobulin-containing cells in human autoimmune thyroiditis. Wilkin TJ, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):490–8
Thyroid blocking antibodies in thyroiditis. Karlsson FA, et al. **Acta Med Scand** 1984;215(5):461–6
Circulating immune complexes in Hashimoto's thyroiditis. Correlation to HLA and autoantibodies. Kappelgaard E, et al. **Allergy** 1983 Aug;38(6):433–9
Immunologic studies in two patients with persistent lymphocytic thyroiditis, thyrotoxicosis, and low radioactive iodine uptake. Elliot I, et al. **Am J Med** 1984 Aug;77(2):347–54
Adoptive transfer of experimental autoimmune thyroiditis (EAT) in guinea pigs: requirement for Ia-positive antigen-presenting cells for in vitro activation of effector T cells. Braley-Mullen H, et al. **Cell Immunol** 1983 Oct 15;81(2):243–52
Binding of immunoglobulin-G from patients with thyroid autoimmune disease to normal T lymphocytes. Pacini F, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):29–37
Tracking of indium-111-oxine labelled lymphocytes in autoimmune thyroid disease. Pozzilli P, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):111–6
A receptor assay for the measurement of TSH receptor antibodies in unextracted serum. Southgate K, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):539–48
Idiotypic determinants on human thyroglobulin autoantibodies derived from the serum of Hashimoto patients and EB virus transformed cell lines. Delves PJ, et al. **Clin Exp Immunol** 1984 Jul;57(1):33–40
Immunological studies of autoimmune thyroid disorders: abnormalities in the inducer T cell subset and proliferative responses to autologous and allogeneic stimulation. Fournier C, et al. **Clin Exp Immunol** 1983 Nov;54(2):539–46
The distribution of microsomal and thyroglobulin antibody activity among the IgG subclasses. Parkes AB, et al. **Clin Exp Immunol** 1984 Jul;57(1):239–43
Thyroglobulin-induced T-cell in vitro proliferation in Hashimoto's thyroiditis: identification of the responsive subset and effect of monoclonal antibodies directed to Ia antigens. Canonica GW, et al. **Clin Immunol Immunopathol** 1984 Aug;32(2):132–41
Autoimmune thyroid disease: an integrated concept of Graves' and Hashimoto's diseases. Selenkow HA, et al. **Compr Ther** 1984 Apr;10(4):48–56 (24 ref.)
Immuno-morphologic correlations in chronic lymphocytic thyroiditis (CLT). Zosin I, et al. **Endocrinologie** 1983 Jul-Sep;21(3):197–202
Defective regulation of the immune response to tetanus toxoid in Hashimoto's disease. Fawcett J, et al. **Immunology** 1984 Jul;52(3):525–8
Biological activity of lymphocytotoxic antibodies in Graves' disease and Hashimoto's thyroiditis. Pruzanski W, et al. **J Endocrinol Invest** 1984 Feb;7(1):7–13
Autoantibody to bovine TSH in Hashimoto's thyroiditis [letter] Eto S, et al. **Lancet** 1984 Mar 3;1(8375):520
Autoantibodies, immune complexes and HLA-D in thyrogastric autoimmunity. Feldt-Rasmussen U, et al. **Tissue Antigens** 1983 Nov;22(5):342–7
[Biermer's anemia, Hashimoto's thyroiditis, myasthenia and malignant thymoma. HLA B8, DR3, and DR5 antigens (letter)] Humbert P, et al. **Presse Med** 1984 Feb 18;13(7):439 **(Fre)**
[ICSA (islet cell surface antibody) in Hashimoto's disease associated with low glucose tolerance] Okumoto T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:171–3 **(Jpn)**
[Thyroid hormone autoantibodies in Hashimoto's disease and Graves' disease] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Oct 20; 59(10):1597–607 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Medullary carcinoma arising in a thyroid with Hashimoto's disease. Weiss LM, et al. **Am J Clin Pathol** 1983 Oct; 80(4):534–8
Spontaneous thyroiditis in BB Wistar diabetic rats. Wright JR Jr, et al. **Vet Pathol** 1983 Sep;20(5):522–30
[Combination of angioimmunoblastic lymphadenopathy and autoimmune atrophic thyroiditis (letter)] Chagnon A, et al. **Presse Med** 1984 May 26;13(22):1396 **(Fre)**

[A long-term follow-up study of patients with chronic lymphocytic thyroiditis--with special reference to histological findings] Hayashi Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jan 20;60(1):70–8 (Eng. Abstr.) **(Jpn)**

[2 cases of Hashitoxicosis with histological features of adenomatous goiter] Hosojima H, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jun 20;59(6):880–7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Significant fluctuation of thyroid function in children with chronic lymphocytic thyroiditis. Sasaki N, et al. **Endocrinol Jpn** 1983 Apr;30(2):219–28

Spontaneous remission of hypothyroidism in Hashimoto's (autoimmune) thyroiditis. Sasaki H, et al. **Isr J Med Sci** 1984 Jul;20(7):625–9

[The autoimmune component in early menopause associated with Hashimoto's thyroiditis] Tiron V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):213–5 (Eng. Abstr.) **(Rum)**

THYROLIBERIN see **THYROTROPIN RELEASING HORMONE**

THYRONINES

BLOOD

Serum concentrations of 3, 3'-diiodothyronine, 3', 5'-diiodothyronine, and 3, 5-diiodothyronine in altered thyroid states. Nishikawa M, et al. **Endocrinol Jpn** 1983 Apr;30(2):167–72

A radioimmunoassay of 3,5-dimethyl-3'-isopropyl-L-thyronine. Chopra IJ, et al. **Endocrinology** 1984 Apr;114(4):1295–301

IMMUNOLOGY

Evaluation of free thyroxine methods in the presence of iodothyronine-binding autoantibodies. Beck-Peccoz P, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):736–9

METABOLISM

The deiodination of the iodothyronines and of their derivatives in man. Engler D, et al. **Endocr Rev** 1984 Spring;5(2):151–84 (305 ref.)

Iodothyronine deiodination reaction types in several rat tissues: effects of age, thyroid status, and glucocorticoid treatment. McCann UD, et al. **Endocrinology** 1984 May; 114(5):1513–21

Metabolism of 3,3'-diiodothyronine in rat hepatocytes: interaction of sulfation with deiodination. Otten MH, et al. **Endocrinology** 1984 Sep;115(3):887–94

Splanchnic extraction of 3,3'-diiodothyronine and 3',5'-diiodothyronine in hyperthyroidism. Faber J, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):147–50

Type II iodothyronine 5'-deiodination by human and rat placenta in vitro. Kaplan MM, et al. **J Clin Endocrinol Metab** 1984 Aug;59(2):253–7

Iodothyronines: oxidative deiodination by hemoglobin and inhibition of lipid peroxidation. Tseng YL, et al. **Lipids** 1984 Feb;19(2):96–102

PHARMACODYNAMICS

The effects of propylthiouracil, iodothyronines, and other agents on thyroid hormone metabolism in human placenta. Fay M, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):280–6

Transplacental effects of 3,5-dimethyl-3'-isopropyl-L- thyronine on tubulin content in fetal brains in rats. Takahashi T. **Jpn J Physiol** 1984; 34(2):365–8

Thyromimetic effects of 3,5-dimethyl,3'-isopropyl thyronine (DIMIT) and 3,5-diethyl,3'-isopropyl thyronine (DIET) in various tissues of the rat. Chopra IJ, et al. **Metabolism** 1984 Jul;33(7):622–8

URINE

Mass spectral properties of volatile derivatives of thyronine (T0) and use of these in the study of thyronine excretion in eu-, hyper- and hypothyroidism. Ramsden DB, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):193–8

THYROTOXICOSIS see **HYPERTHYROIDISM**

THYROTROPIN

A water-soluble fragment of the thyroid-stimulating hormone receptor which binds both thyroid-stimulating hormone and thyroid-stimulating hormone receptor antibodies. Davies Jones E, et al. **J Endocrinol** 1984 Jan; 100(1):113–8

[Solubilization and partial characteristics of TSH receptor from bovine thyroid plasma membranes] Czarnocka B. **Endokrynol Pol** 1983;34(2):129–42 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Effects of TRH, bovine TSH, and pituitary extracts on thyroidal T4 release in Ambystoma mexicanum. Darras VM, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):286–91

[Effect of levamisole on hemolysin production in the spleen of rats after chronic administration of thyrotropin] Samuleva SV, et al. **Probl Endokrinol (Mosk)** 1983 Sep–Oct;29(5):86–8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

The effects of thyrotropin-releasing hormone, metabolites and analogues on locomotor activity in rats. Andrews JS, et al. **Regul Pept** 1983 Oct;7(2):97–109

ANALYSIS

TSH-containing pituitary adenoma associated with primary hypothyroidism manifested by amenorrhoea and galactorrhoea. Wajchenberg BL, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):61–6

Effect of D, L-alpha-aminoadipate on the mediobasal hypothalamus and endocrine function in the rat. Bruni JE, et al. **Acta Neuropathol (Berl)** 1984;64(2):129–38

Human thyrotropin radiolabel: specific activity, zero binding, and stability [letter] Hagan JJ, et al. **Clin Chem** 1983 Oct; 29(10):1870–1

New separation method for monoclonal immunoradiometric assays and its application to assays for thyrotropin and human choriogonadotropin. Rattle SJ, et al. **Clin Chem** 1984 Sep;30(9):1457–61

Immobilization of antibody to a plastic surface by toluene 2,4-diisocyanate and its application to radioimmunoassay. Saito T, et al. **Clin Chim Acta** 1983 Oct 14;133(3):301–10

Morphometric analysis of thyrotropes in developing and cycling female rats: studies of intact pituitaries and cell fractions separated by centrifugal elutriation. Childs GV, et al. **Endocrinology** 1983 Nov;113(5):1601–7

Age and sex difference in serum and pituitary thyrotropin concentrations in the rat: influence by pituitary adenoma. Chen HJ. **Exp Gerontol** 1984;19(1):1–6

Immunoactive TSH in the amniotic fluid of the rat. Tang F, et al. **Experientia** 1984 Jun 15;40(6):575–6

Reversed-phase high-performance liquid chromatography of human thyroid-stimulating hormone. Bristow AF, et al. **J Chromatogr** 1983 Nov 18;270:285–92

Evaluation of the rat thyroid cell strain FRTL-5 as an in-vitro bioassay system for thyrotrophin. Bidey SP, et al. **J Endocrinol** 1984 Jun;101(3):269–76

Reanalysis of antisera specificities and binding characteristics of rat pituitary hormone assays. Cheesman KL, et al. **J Immunoassay** 1984;5(1-2):59–70

Combination of solid-phase second antibody and internal sample attenuator counting techniques. Radioimmunoassay of thyroid-stimulating hormone. Eriksson H, et al. **J Immunol Methods** 1984 Jul 6;71(2):117–25

Somatostatin fibers and their relationship to specific cell types (GH and TSH) in the rat anterior pituitary. Westlund KN, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):557–62

ANTAGONISTS & INHIBITORS

Blocking activity to action of thyroid stimulating hormone in serum from patients with primary hypothyroidism. Steel NR, et al. **Br Med J [Clin Res]** 1984 May 26; 288(6430):1559–62

BIOSYNTHESIS

Ratios of alpha to beta TSH mRNA in normal and hypothyroid pituitaries and TSH-secreting tumors. Gurr JA, et al. **Endocrinology** 1984 Aug;115(2):830–2

BLOOD

Influence of dopaminergic inhibition on serum levels of thyrotrophin and prolactin in patients with hypothyroidism before and after prolonged oral administration of TRH. Frey HM, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):183–8

Rapid adaptations of serum thyrotrophin, triiodothyronine and reverse triiodothyronine levels to short-term starvation and refeeding. Hugues JN, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):194–9

The effects of dopaminergic blockade on serum TSH and prolactin levels in thyrotoxicosis. Swart S, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):330–5

Thyrotropin and prolactin response to thyrotropin-releasing hormone in healthy and asphyxiated full-term neonates. Ruppert F, et al. **Acta Paediatr Hung** 1983;24(2):111–8

Effects of indomethacin on thyroid iodine metabolism. Targovnik HM, et al. **Acta Physiol Lat Am** 1983; 33(4):327–34

Twenty-four-hour serum levels of TSH in affective disorders. Kjellman BF, et al. **Acta Psychiatr Scand** 1984 Jun;69(6):491–502

Hormonal changes in normal men under marginally negative energy balance. Garrel DR, et al. **Am J Clin Nutr** 1984 Jun;39(6):930–6

Alteration in thyroid hormone concentration during and after coronary bypass operation. Paschen U, et al. **Ann Endocrinol (Paris)** 1983;44(4):239–42

Endocrine profiles in pediatric andrology. I. Thyroid-stimulating hormone response to thyrotropin-releasing hormone in normal and protein-calorie malnourished infants. Abdalla MI, et al. **Arch Androl** 1983 Aug;11(1):39–43

Serum thyroxine and thyroid stimulating hormone values in unreferred children with short stature. Vimpani GV, et al. **Arch Dis Child** 1983 Sep;58(9):742–3

Thyroid activity in cigarette smokers. Sepkovic DW, et al. **Arch Intern Med** 1984 Mar;144(3):501–3

Persistent neuroendocrine dysregulation in major depressive disorder: a marker for early relapse. Targum SD. **Biol Psychiatry** 1984 Mar;19(3):305–18

Administration of thyrotropin-releasing hormone at weekly intervals results in a diminished thyrotropin response. Winokur A, et al. **Biol Psychiatry** 1984 May;19(5):695–702

Thyrotrophin response to thyreostimulin in affectively ill women relationship to suicidal behaviour. Linkowski P, et al. **Br J Psychiatry** 1983 Oct;143:401–5

Circulating human antibodies as a cause of falsely depressed ferritin values. Howanitz PJ, et al. **Clin Biochem** 1983 Dec; 16(6):341–3

Thyrotropin as the initial screening test for thyroid disease [letter] Allen KR, et al. **Clin Chem** 1984 Mar;30(3):502–3

A thyrotropin radioimmunoassay kit evaluated vs two reference assays. Bigos ST, et al. **Clin Chem** 1984 Mar; 30(3):437–9

Use of a rapid, sensitive immunoradiometric assay for thyrotropin to distinguish normal from hyperthyroid subjects. Cobb WE, et al. **Clin Chem** 1984 Sep; 30(9):1558–60

Interrelationships among body mass, thyrotropin, thyroid hormones, and thyroid-hormone binding proteins in healthy 70-year-old men. Edén S, et al. **Clin Chem** 1984 May;30(5):681–6

An automated immunoradiometric assay for human thyrotropin. John R, et al. **Clin Chem** 1984 Aug; 30(8):1396–8

Serum thyrotropin and more accurate diagnosis of 'thyroid hormone resistance' [letter] Lindstedt G, et al. **Clin Chem** 1983 Nov;29(11):1997–9

Enhancing the sensitivity of an immunoradiometric assay for thyrotropin [letter] Musto JD, et al. **Clin Chem** 1983 Dec; 29(12):2127–8

A comment on thyrotropin measurement and evaluation. Musto JD, et al. **Clin Chem** 1984 Feb;30(2):329–30

A new monoclonal-antibody two-site solid-phase immunoradiometric assay for human thyrotropin evaluated. Pekary AE, et al. **Clin Chem** 1984 Jul;30(7):1213–5

The effect of oestrogen (mestranol) on the thyrotrophin response to thyrotrophin releasing hormone in postmenopausal oophorectomised women. Abdalla HI, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):65–9

Circannual rhythms of plasma growth hormone, thyrotropin and thyroid hormones in prepuberty. Bellastella A, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):531–7

Measurement of free thyroxine and free triiodothyronine in asymptomatic subjects with high concentrations of serum TSH and a history of radioiodine therapy. Franklyn JA, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):527–30

A high sensitivity immunochemiluminometric assay for human thyrotrophin. Weeks I, et al. **Clin Endocrinol (Oxf)** 1984 Apr;20(4):489–95

Circadian rhythms of serum thyrotrophin and body temperature in euthyroid individuals and their responses to warming. O'Malley BP, et al. **Clin Sci** 1984 Oct; 67(4):433–7

Effects of streptozotocin-diabetes and L-thyroxine treatment on TSH and GH, and circulating glucose and glycerol in thyroidectomized rats. Jolin T, et al. **Comp Biochem Physiol [A]** 1983;76(2):265–9

Radioimmunoassay of human thyrotropin: analytical and clinical developments. Wehmann RE, et al. **CRC Crit Rev Clin Lab Sci** 1984;20(3):243–83 (153 ref.)

Serum thyroxine, triiodothyronine, and TSH levels and TSH release after TRH in aging male and female rats. Greeley GH Jr, et al. **Endocr Res Commun** 1982–83;9(3–4):169–77

Circadian rhythm of TSH in adult onset non-insulin dependent (type II) diabetics with altered thyroid state. Nicolau GY, et al. **Endocrinologie** 1984 Apr–Jun; 22(2):117–24

Serum concentrations of PRL, GH, LH, FSH, TSH and cortisol after single administration to man of a new synthetic narcotic analgesic butorphanol. Rolandi E, et al. **Eur J Clin Pharmacol** 1984;26(5):563–5

Incidence of iodine contamination in neonatal transient hyperthyrotropinemia. Grüters A, et al. **Eur J Pediatr** 1983 Sep;140(4):299–300

Studies on the inhibitory effect of apomorphine and bromocryptine on basal and TRH induced level of TSH and PRL in hypothyroid rats under pentobarbiturate anesthesia. Langer P, et al. **Exp Clin Endocrinol** 1984 May; 83(3):269–74

Evaluation of plasma iodothyronines in various stages of pregnancy. Rastelli D, et al. **Exp Clin Endocrinol** 1984 Mar; 83(1):58–62

Serum T4, T3, r-T3, TSH and Tg levels in cord blood and maternal circulation at the time of delivery. Sulovic V, et al. **Exp Clin Endocrinol** 1984 May;83(3):256–62

TSH response to 30 min stay in sauna in the morning and during evening hours. Tatár P, et al. **Exp Clin Endocrinol** 1984 May;83(3):358–60

Effect of nifedipine on the adrenocortical and somatotrophic secretory reserve and TSH and thyroid hormone plasma levels. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):97–100

Respective roles of circulating T4 and T3 in control of TSH secretion in severely iodide-deficient rats. Rognoni JB, et al. **Experientia** 1984 Feb 15;40(2):215–7

Effect of methadone on TSH and thyroid hormone secretion.

Vescovi PP, et al. **Horm Metab Res** 1984 Jan;16(1):53–4

Gaba-ergic and dopaminergic regulation of thyroid stimulating hormone. Effects of baclofen and metoclopramide. Elias AN, et al. **Horm Res** 1984; 19(3):171–5

Effect of TRH on plasma arginine vasopressin. Husain Jawadi M, et al. **Horm Res** 1984;19(2):91–6

Effects of substance P, angiotensin II, oxotremorine and prostaglandin D2 on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1984;19(3):176–84

TSH response to TRH in hemodialysis and CAPD patients. Giordano C, et al. **Int J Artif Organs** 1984 Jan;7(1):7–10

Prolactin and thyroid-stimulating hormone responses to thyrotropin–releasing hormone in cases of hyperprolactinemia with normal and abnormal sella tomograms. Badawy SZ, et al. **Int J Fertil** 1983;28(4):213–8

Pituitary secretion of alpha and beta subunits of thyroid-stimulating hormone (TSH) in nephropathic cystinosis. Bercu BB, et al. **Isr J Med Sci** 1984 Mar; 20(3):179–85

TRH test in the follow-up of operated simple goiter: a study of recurrence. Ronga G, et al. **Ital J Surg Sci** 1983; 13(2):95–9

Low yield of screening for hypothyroidism in healthy elderly. Heikoff LE, et al. **J Am Geriatr Soc** 1984 Aug; 32(8):616–7

Temporal patterns of growth hormone, prolactin and thyrotropin secretion in Targhee rams selected for rate and efficiency of gain. Dodson MV, et al. **J Anim Sci** 1983 Aug;57(2):338–42

Results of quality control surveys of radioimmunological determinations of thyrotropin in newborns. Röhle G, et al. **J Clin Chem Clin Biochem** 1983 Dec;21(12):813–21

Use of bromocriptine in a patient with generalized resistance to thyroid hormone. Bajorunas DR, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):731–5

Postoperative evaluation of dopaminergic tone in prolactinoma patients. II. Plasma thyrotropin response to metoclopramide. De Marinis L, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):405–9

Association of thyroid-stimulating immunoglobulins and thyrotropin–releasing hormone responsiveness in women with euthyroid goiter. Smyth PP, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1001–6

Effects of hysterectomy and in-vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Bíró J, et al. **J Endocrinol** 1984 Jun;101(3):243–8

The TRH induced PRL release in patients with autonomous thyroid nodules before and after surgical treatment. Langer M, et al. **J Endocrinol Invest** 1983 Jun;6(3):195–8

Buccal absorption of protirelin: an effective way to stimulate thyrotropin and prolactin. Anders R, et al. **J Pharm Sci** 1983 Dec;72(12):1481–3

First-line test of thyroid function [letter] Alexander WD, et al. **Lancet** 1984 Sep 15;2(8403):647

Thyromimetic effects of 3,5-dimethyl,3'-isopropyl thyronine (DIMIT) and 3,5-diethyl,3'-isopropyl thyronine (DIET) in various tissues of the rat. Chopra IJ, et al. **Metabolism** 1984 Jul;33(7):622–8

Screening for congenital hypothyroidism [letter] Lyon IC. **NZ Med J** 1984 May 9;97(755):306–7

Prolactin and thyrotropin responses to thyrotropin–releasing hormone during the peripartal period. Miyamoto J. **Obstet Gynecol** 1984 May;63(5):639–44

Effect of caffeine on thyroid and pituitary function in newborn rats. Clozel M, et al. **Pediatr Res** 1983 Jul; 17(7):592–5

The effects of delta 9-tetrahydrocannabinol on serum thyrotropin levels in the rat. Hillard CJ, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):547–50

The relationships of neuroendocrine tests in endogenous depression. Arató M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):715–8

The effects of carbamazepine on the thyrotropin response to thyrotropin–releasing hormone. Joffe RT, et al. **Psychiatry Res** 1984 Jun;12(2):161–6

The role of serotonin (5-HT) in the control of TSH and prolactin release in euthyroid subjects as assessed by the administration of ketanserin (5-HT2 antagonist) and zimelidine (5-HT re-uptake inhibitor). O'Malley BP, et al. **Psychoneuroendocrinology** 1984;9(1):13–9

Methodological issues in the measurement of serum TSH—implications for psychiatry. Sternbach HA, et al. **Psychoneuroendocrinology** 1983;8(4):455–8

Acute effect of exogenous thyroxine dose on serum thyroxine and thyrotrophin levels in treated hypothyroid patients. Soppi E, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):353–6

Serum triiodothyronine, reverse triiodothyronine, thyroxine, thyrotropin, free thyroxine index and TRH test in diabetes mellitus. Shin SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):947–57

[Basal blood level of thyrotropic hormone in diabetes mellitus patients] Vakov L, et al. **Vutr Boles** 1984;23(2):92–7 (Eng. Abstr.) **(Bul)**

[Changes in serum levels of T4, T3 and TSH in TRH stimulation test among normal adults] Liu GZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):290–4 (Eng. Abstr.) **(Chi)**

[Peripheral thyroxine resistance—pseudohyperthyroidism] Kvetny J. **Ugeskr Laeger** 1983 Aug 1;145(31):2370–2 (Eng. Abstr.) **(Dan)**

[Falsely elevated TSH value due to the presence of heterophilic antibodies] Kaihola HL, et al. **Duodecim** 1983; 99(18):1294–5 **(Fin)**

[Hormonal variations after partial resection of the thyroid. Preliminary note] Francomano F, et al. **Ann Ital Chir** 1983; 55(3):285–93 (Eng. Abstr.) **(Ita)**

[Behavior of blood values of prolactin, TSH, FSH, and LH in gastroduodenal ulcer during drug therapy] Melloni R, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):761–7 (Eng. Abstr.) **(Ita)**

[Evaluation of TSH secretion after GnRh in patients with primary hypothyroidism] Morosini PP, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):783–7 (Eng. Abstr.) **(Ita)**

[Studies of serum TSH binding substance. Binding of TSH to thyroid plasma membrane] Hashizume K. **Horumon To Rinsho** 1983 Nov;31(11):1119–22 **(Jpn)**

[Evaluation of immunoradiometric assay of TSH by IMMO PHASE kit] Iida Y, et al. **Horumon To Rinsho** 1984 Jan; 32(1):85–90 **(Jpn)**

[Pilot study on mass screening for cretinism by TSH-EIA (sandwich method)] Kusuda S, et al. **Horumon To Rinsho** 1983 Oct;31(10):1011–4 **(Jpn)**

[Sandwich enzyme immunoassay of disc blood TSH] Suwa S, et al. **Horumon To Rinsho** 1983 Dec;31(12):1227–33 **(Jpn)**

[Studies on a sensitive RIA for TSH—applicability of 200 microliters serum sample] Bito S, et al. **Kaku Igaku** 1983 Jun;20(5):707–12 **(Jpn)**

[Studies on the Amerlex TSH RIA kit] Nagata A, et al. **Kaku Igaku** 1984 Mar;21(3):253–61 **(Jpn)**

[Serum hormonal activities in normal women and in patients with breast cancer] Imayoshi E, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Oct 20;18(7):1852–8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of routinely applied highly sensitive TSH-RIA] Mori T, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):941–8 (Eng. Abstr.) **(Jpn)**

[The reciprocal pattern of release observed in PRL and TSH following various types of administration of TRH] Suzuki A, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1905–11 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of a TSH radioimmunoassay kit by a precipitate stabilizer method] Kanamori I, et al. **Radioisotopes** 1983 May;32(5):245–8 **(Jpn)**

[Experimental evaluation of the TSH content determined by GammaDab TSH RIA Kit] Kanamori I, et al. **Radioisotopes** 1983 Apr;32(4):175–8 **(Jpn)**

[Amerlex TSH] Masaka M, et al. **Radioisotopes** 1983 May; 32(5):241–4 **(Jpn)**

[Thyrotropin level during strumectomy] Jarząb B, et al. **Endokrynol Pol** 1983;34(3):175–80 (Eng. Abstr.) **(Pol)**

[Systemic evaluation of thyroid function in women and men from radioimmunoassay data] Morozov SL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):48–52 (Eng. Abstr.) **(Rus)**

[Diagnosis of congenital hypothyroidism] Balabolkin MI, et al. **Pediatriia** 1983 Sep;(9):9–12 (Eng. Abstr.) **(Rus)**

[Hormonal changes in cancer of the thyroid gland before treatment and in the early postoperative period] Demidov VP, et al. **Sov Med** 1984;(2):95–7 **(Rus)**

[Concentration of pituitary-thyroid system hormones in the blood of patients with chronic circulatory insufficiency] Aleksandrova TN, et al. **Vestn Akad Med Nauk SSSR** 1984; (2):62–5 **(Rus)**

[Hashimoto's thyroiditis: clinical, hormonal and serological review of 60 adult patients] Cabrer J, et al. **Med Clin (Barc)** 1984 May 12;82(18):785–8 (Eng. Abstr.) **(Spa)**

[Tertiary hypothyroidism in idiopathic and acquired adeno-pituitary insufficiency] Pavía C, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):801–4 (Eng. Abstr.) **(Spa)**

[Levels of thyroid hormones and thyrotropin in diabetic patients] Libman J, et al. **Medicina (B Aires)** 1983; 43(2):159–62 (Eng. Abstr.) **(Spa)**

[Monitoring TSH levels using the TRH test] Alba F, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):51–3 (Eng. Abstr.) **(Spa)**

[The low T3-T4-TSH 'syndrome': a multifactorial association] Arteaga E, et al. **Rev Med Chil** 1983 Feb; 111(2):169–74 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

A sampling protocol for the thyrotropin–stimulation test in the horse. Held JP, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):326–7

[Intravenous TSH test for the study of functional reserves of the thyroid gland] Splittstösser C, et al. **Med Welt** 1984 Feb 3;35(5):151–3 **(Ger)**

GENETICS

Thyroid hormone decreases thyrotropin subunit mRNA levels in rat anterior pituitary. Croyle ML, et al. **DNA** 1984 Jun;3(3):231–6

The sequence of a cloned cDNA for the beta subunit of bovine thyrotropin predicts a protein containing both NH2-and COOH-terminal extensions. Maurer RA, et al. **J Biol Chem** 1984 Apr 25;259(8):5024–7

Assignment of the genes for the alpha and beta subunits of thyrotropin to different mouse chromosomes. Kourides IA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):517–9

Chromosome assignment of genes encoding the alpha and beta subunits of glycoprotein hormones in man and mouse. Naylor SL, et al. **Somatic Cell Genet** 1983 Nov;9(6):757–70

IMMUNOLOGY

Characteristics of auto-antibodies to bovine TSH in the serum of two patients with Graves' disease. Kajita Y, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):423–30

A simple and sensitive solid-phase radioimmunoassay for the assay of human TSH antibody. Use in screening hybridoma cell lines. Iwasa S, et al. **Appl Biochem Biotechnol** 1983 Aug;8(4):305–14

TSH receptor binding and thyroid stimulation by sera from patients with Graves' disease. Ginsberg J, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):305–11

Methodological aspects and clinical results of an assay for thyroid-stimulating antibodies: correlation with thyrotropin binding-inhibiting antibodies. Hensen J, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):980–7

Production, isolation, and characterization of rabbit anti-idiotypic antibodies directed against human antithyrotrophin receptor antibodies. Baker JR Jr, et al. **J Clin Invest** 1984 Aug;74(2):488–95

Autoantibody to bovine TSH in Hashimoto's thyroiditis [letter] Eto S, et al. **Lancet** 1984 Mar 3;1(8375):520

ISOLATION & PURIFICATION

Rapid and easy separation of the subunits of bovine and human glycoprotein hormones by use of high performance liquid chromatography. Parsons TF, et al. **Endocrinology** 1984 Jun;114(6):2223–7

METABOLISM

Influence of antiganglioside antibodies on thyrotrophin binding and adenyl cyclase activity of thyroid plasma membranes. Gardas A, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):333–9

Changes in the multiple components of rat pituitary TSH and TSH beta subunit following thyroidectomy. Mori M, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):49–56

Ipsilateral thyroid growth and depressed thyroid hormone synthesis and content after unilateral superior cervical ganglionectomy in rats. Pisarev MA, et al. **Acta Physiol Lat Am** 1983;33(2):164–70

Influence of endotoxin treatment on TSH binding and TSH-induced imprinting in CHO cell culture. Csaba G, et al. **Cell Biol Int Rep** 1984 Jan;8(1):1

Normal reference interval for thyrotropin response to thyroliberin: dependence on age, sex, free thyroxin index, and basal concentrations of thyrotropin. Erfurth EM, et al. **Clin Chem** 1984 Feb;30(2):196–9

Milk insulin, GH and TSH: relationship to changes in milk lactose, glucose and protein during lactogenesis in women. Kulski JK, et al. **Endocrinol Exp (Bratisl)** 1983 Oct; 17(3–4):317–26

Absorption of TSH and ACTH in biologically active form from the gastrointestinal tract of suckling rats. Vaucher Y, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):327–33

Biphasic release of thyrotropin in response to thyrotropin–releasing hormone (TRH) from rat anterior pituitary cells in vitro: possible dependence on protein synthesis. Shiota K, et al. **Endocrinol Jpn** 1984 Apr; 31(2):165–75

The effects of the duration of severe hypothyroidism and aging on the metabolic clearance rate of thyrotropin (TSH) and the pituitary TSH response to TSH–releasing hormone. Connors JM, et al. **Endocrinology** 1984 May;114(5):1930–7

Relevance of the low and high affinity thyrotropin–binding sites of human thyroid membranes to the stimulation of adenylate cyclase. Lefort GP, et al. **Endocrinology** 1984 Mar;114(3):1005–11

Carbohydrate processing of thyrotropin differs from that of free alpha-subunit and total glycoproteins in microsomal subfractions of mouse pituitary tumor. Magner JA, et al. **Endocrinology** 1984 Sep;115(3):1019–30

Hypothalamo-adenohypophyseal-thyroid interrelationships in the chick embryo. IV. Immunocytochemical demonstration of TSH in the hypophyseal pars distalis. Thommes RC, et al. **Gen Comp Endocrinol** 1983 Sep; 51(3):434–43

Regulation of thyrotropin–releasing hormone binding by monovalent cations and guanyl nucleotides. Hinkle PM, et al. **J Biol Chem** 1984 Mar 25;259(6):3445–9

Transient neonatal hypothyroidism due to maternal immunoglobulins that inhibit thyrotropin–binding and post–receptor processes. Takasu N, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):142–6

Precipitation of the thyrotropin receptor and identification of thyroid autoantigens using Graves' disease immunoglobulins. Heyma P, et al. **J Clin Invest** 1984 Sep; 74(3):1090–7

TSH-displacing activity versus TSH-binding inhibiting activity of immunoglobulins from patients with Graves' disease. Macchia E, et al. **J Endocrinol Invest** 1983 Oct; 6(5):375–8

Discordant changes in pituitary concentrations of LH and TSH subunits following hormonal manipulation. Ross DS, et al. **Metabolism** 1984 Mar;33(3):230–4

[Congenital hypothyroidism with probable anomaly of thyroid receptiveness to thyrotropin. 2 cases] Leger FA, et al. **Presse Med** 1984 Feb 25;13(8):491–4 (Eng. Abstr.) **(Fre)**

[Thyrotropin inactivation by thyroid plasma membrane] Hashizume K. **Horumon To Rinsho** 1983 Aug;31(8):777–81 **(Jpn)**

[Characteristics of membrane thyrotropin receptor] Czarnocka B. **Endokrynol Pol** 1983;34(2):115–28 (Eng. Abstr.) **(Pol)**

[The effect of salicylates and similar acting substances (diphenylhydantoin, dinitrophenol, etc.) on the hypophyseal–thyroid gland axis] Langer P. **Vnitr Lek** 1984 Jan;30(1):48–54 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

A comparison of the bioactivity of human and bovine thyrotrophin preparations, as determined by intracellular cyclic AMP responses of cultured FRTL-5 cells and human thyroid cell monolayers. Bidey SP, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):482–9

Effects of in vivo triiodothyronine and long acting thyroid stimulator (LATS) administration on the vitro thyroid cAMP response to thyrotrophin and LATS. Ikeda H, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):193–8

Effects of intrathyroidal metabolism of thyroxine on thyroid hormone secretion: increased degradation of thyroxine in mouse thyroids stimulated chronically with thyrotrophin. Kubota K, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):57–65

Interaction of thyrotropin (TSH) and gonadotropins in the function of genital organs I. Investigations in the frog. Csaba G, et al. **Acta Physiol Hung** 1983;61(3):137–40

Interaction of thyrotropin (TSH) and gonadotropins in the function of genital organs. Effect of TSH and gonadotropin pretreatment (hormonal imprinting) of newborn rats on hormonal overlap in adult animals. Dobozy O, et al. **Acta Physiol Hung** 1983;61(4):205–11

Influence of neonatal endotoxin treatment and hormonal imprinting on thyrotropin-induced thyroxin (T4) production of adult rats. Nagy SU, et al. **Acta Physiol Hung** 1983;62(2):151–3

Effect of thyrotropin (TSH) treatment on the responsiveness of the thyroid gland during endotoxin shock in adult rats. Nagy SU, et al. **Acta Physiol Hung** 1983;62(3–4):187–90

Distribution of sodium in cellular and luminal compartments of turtle thyroid glands. Yen-Chow YC, et al. **Am J Physiol** 1984 May;246(5 Pt 1):E436–43

Differential effects of thyrotropin on various glycosyltransferases in porcine thyroid cells. Franc JL, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):910–5

Chronic regulation by thyrotropin of arachidonic acid incorporation in cholesteryl esters of cultured thyroid cells. Margotat A et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):537–42

Insulin modulates thyrotropin-induced follicle reconstruction and iodine metabolism in hog thyroid cells cultured in a chemically defined medium. Sho K, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):385–91

Identification of thyroglobulin mRNA sequences in the nucleus and the cytoplasm of cultured thyroid cells: a post-transcriptional effect of thyrotropin. Tosta Z, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):54–61

HMG (high-mobility-group)-14/17-like proteins in calf thyroid. Thyrotropin-dependent phosphorylation and comparison with calf thymus proteins. Cooper E, et al. **Biochem J** 1983 Dec 1;215(3):643–9

Modulation of prostaglandin E2, F2 alpha, I2 content and synthesis by thyrotropin in cultured porcine thyroid cells and intact rat thyroid glands. Takasu N, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):51–63

Thyrotropin effects on vesicle transfer and thyroid follicle morphogenesis: a stereological study in the rat. Remy L, et al. **Biol Cell** 1983;49(2):145–52

An important effect of TSH on prostacyclin concentration in porcine thyroid cells. Takasu N, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr;11(2):191–7

Inhibition by certain plant extracts of the binding and adenylate cyclase stimulatory effect of bovine thyrotropin in human thyroid membranes. Auf'mkolk M, et al. **Endocrinology** 1984 Aug;115(2):527–34

Effects of castration and sex steroids on the thyroid response to thyrotropin. Bagchi N, et al. **Endocrinology** 1984 May; 114(5):1652–6

Stimulation of thyroidal thiol endopeptidases by thyrotropin. Dunn AD. **Endocrinology** 1984 Feb;114(2):375–82

Evidence that organic iodine attenuates the adenosine 3',5'-monophosphate response to thyrotropin stimulation in thyroid tissue by an action at or near the adenylate cyclase catalytic unit. Filetti S, et al. **Endocrinology** 1983 Nov;113(5):1608–15

Thyrotropin-induced acceleration of calcium efflux from mouse thyroid: evidence for inhibition by excess iodide. Hashizume K, et al. **Endocrinology** 1984 May;114(5):1672–7

Naturally occurring forms of thyrotropin with low bioactivity and altered carbohydrate content act as competitive antagonists to more bioactive forms. Joshi LR, et al. **Endocrinology** 1983 Dec;113(6):2145–54

Direct in vitro effect of thyroid hormones on 25-hydroxyvitamin D3 metabolism in the perfused rat kidney. Kano K, et al. **Endocrinology** 1984 Feb;114(2):330–6

Responses to thyrotropin during development in Japanese quail. McNabb FM, et al. **Endocrinology** 1984 Apr; 114(4):1238–44

Stimulation of phospholipid methylation and thyroid hormone secretion by thyrotropin. Prasad C, et al. **Endocrinology** 1984 Mar;114(3):941–5

Iodide transport in a continuous line of cultured cells from rat thyroid. Weiss SJ, et al. **Endocrinology** 1984 Apr; 114(4):1090–8

Effect of thyrotropin on iodide efflux in FRTL-5 cells mediated by Ca2+. Weiss SJ, et al. **Endocrinology** 1984 Apr;114(4):1108–13

Thyrotropin-stimulated iodide transport mediated by adenosine 3',5'-monophosphate and dependent on protein synthesis. Weiss SJ, et al. **Endocrinology** 1984 Apr; 114(4):1099–107

Lack of prostaglandin involvement in the mitogenic effect of TSH on canine thyroid cells in primary culture. Roger PP, et al. **FEBS Lett** 1984 Jan 23;166(1):136–40

Thyrotropin-stimulated phosphorylation of high mobility group protein 14 in vivo at the site catalyzed by cyclic nucleotide-dependent protein kinases in vitro. Walton GM, et al. **J Biol Chem** 1984 Jan 10;259(1):601–7

Use of the perifusion technique on rat thyroid fragments in the study of thyroid hormone secretion: short-term effects of thyrotrophin, theophylline and glucagon. Attali JR, et al. **J Endocrinol** 1984 Jul;102(1):43–8

Further studies on the response of a cytochemical bioassay to thyroid stimulators, using reference preparations of thyrotropin and long acting thyroid stimulator. Ealey PA, et al. **J Endocrinol Invest** 1984 Feb;7(1):25–8

Environmental salinity and the thyroidal response to thyrotropin in juvenile coho salmon (Oncorhynchus kisutch). Specker JL, et al. **J Exp Zool** 1984 May; 230(2):329–33

Impact of a single neonatal gonadotropin (FSH + LH) or thyrotropin (TSH) treatment on the sexual behaviour of the adult male rat. Csaba G, et al. **Med Biol** 1984;62(1):64–6

Degradation of pre-messenger RNA in bovine thyroid slices; effect of thyrotropin. Champier J, et al. **Mol Cell Biochem** 1983;56(2):123–9

On the mechanism of 'escape' from desensitization of the cyclic AMP response to TSH in cultured human thyroid cells. Rapoport B, et al. **Mol Cell Endocrinol** 1984 Jul; 36(3):181–6

Factors controlling proliferation and differentiation of canine thyroid cells cultured in reduced serum conditions: effects of thyrotropin, cyclic AMP and growth factors. Roger PP, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):79–93

RHC 80267 inhibits thyrotropin-stimulated prostaglandin release from rat thyroid lobes. Levasseur S, et al. **Prostaglandins** 1984 May;27(5):673–82

The effects of thyrotropin-releasing hormone, metabolites and analogues on locomotor activity in rats. Andrews JS, et al. **Regul Pept** 1983 Oct;7(2):97–109

[Comparative characteristics of the effect of thyrotropin and prolactin on the development of the incretory and generative sections of the testes of mammalian fetuses] Brindak OI, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):69–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Immediate increase of thyroid hormone release during acute stress in rats: effect of biogenic amines rather than that of TSH? Langer P, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):443–9

Control of growth and differentiation by known intracellular signal molecules in endocrine tissues: the example of the thyroid gland. Dumont JE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:337–42

Gangliosides, the thyrotropin receptor, and autoimmune thyroid disease. Lacetti P, et al. **Adv Exp Med Biol** 1984; 174:355–67

The level of thyroglobulin mRNA is regulated by TSH both in vitro and in vivo. Avvedimento VE, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):472–7

TSH neuroregulation and alterations in disease states. Peters JR, et al. **Clin Endocrinol Metab** 1983 Nov;12(3):669–94 (132 ref.)

Receptor structure and function: an exploratory approach using the thyrotropin receptor as a vehicle. Kohn LD, et al. **Horiz Biochem Biophys** 1982;6:1–42 (79 ref.)

Morphological development of the thyroid gland and serum T4-concentration in the intact and decapitated pig fetus. Fentener van Vlissingen JM, et al. **J Dev Physiol** 1983 Dec; 5(6):361–71

Possible mechanisms of TSH-–independent thyroid growth. Lewiński A, et al. **Med Hypotheses** 1984 Jun;14(2):141–60 (107 ref.)

[Effect of thyrotropic hormone on the prostaglandin and cyclic nucleotide/content of human thyroid tissue] Gal'chunskaia VIu. **Probl Endokrinol (Mosk)** 1984 Jan–Feb; 30(1):28–31 (Eng. Abstr.) **(Rus)**

SECRETION

The effect of neurotensin on pituitary secretion of thyrotrophin and prolactin in vitro. Askew RD, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):156–60

Effect of neonatal hyperthyroidism upon the regulation of TSH secretion in rats. Besa ME, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):31–9

Evidence of altered dopaminergic modulation of Prl, LH and TSH secretion in patients with normoprolactinaemic amenorrhoea. Hagen C, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):8–14

beta-Neoendorphin inhibits thyrotrophin secretion in rats. Mitsuma T, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):437–42

Prl, TSH, FSH, beta-hCG and oestriol responses to repetitive (triple) LRH/TRH administration in the third trimester of human pregnancy. Pérez-López FR, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):400–4

Inhibition of foetal growth hormone (GH) and thyrotrophin (TSH) secretion after maternal administration of somatostatin. Roti E, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):393–9

Effects of sodium ipodate and propylthiouracil in athyreotic human subjects, role of triiodothyronine and pituitary thyroxine monodeiodination in thyrotrophin regulation. Schaison G, et al. **Acta Endocrinol (Copenh)** 1984 Jul; 106(3):338–45

In vitro thyrotrophin release with thyrotropin-releasing hormone and an analogue, DN-1417. Shiota K, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):71–8

Thyrotrophin and growth hormone secretion and cell morphology in hypothyroid pituitary cells cultured on a natural extracellular matrix. Spira O, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):279–86

Comparison of effectiveness of thyrotropin-suppressive doses of D- and L-thyroxine in treatment of hypercholesterolemia. Bantle JP, et al. **Am J Med** 1984 Sep;77(3):475–81

Pituitary thyrotropic adenoma associated with congenital hypothyroidism. Report of two cases. Fatourechi V, et al. **Am J Med** 1984 Apr;76(4):725–8

Evidence for TSH autoregulation of thyroid carcinoma. Gwinup G, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):42–3

TSH-secreting pituitary tumor. A case report. Anniko M, et al. **Arch Otorhinolaryngol** 1983;238(2):135–42

Assessment of pituitary function [letter] Calloway SP. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):400–1

Hyperthyroidism due to a thyrotrophin-secreting microadenoma. Kellett HA, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):57–65

The interrelationships between prolactin and thyrotrophin secretion following dopaminergic blockage in patients with mild hyperprolactinaemia without any demonstrable pituitary tumour. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):285–94

Prostaglandin I2 stimulates thyrotropin secretion in vivo and in vitro in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Mar;18(1):53–8

Effects of vasoactive intestinal polypeptide on hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):93–100

The suppression of TSH in the presence of the normal PRL responses to TRH out of 26 patients with primary hyperparathyroidism. Shimizu T, et al. **Endocrinol Jpn** 1983 Apr;30(2):229–34

Increased sensitivity of the thyrotroph to thyrotropin-releasing hormones in rats with hypothalamic hypothyroidism. Aizawa T, et al. **Endocrinology** 1984 Jan; 114(1):8–13

Interactions among epinephrine, thyrotropin (TSH)-releasing hormone, dopamine, and somatostatin in the control of TSH secretion in vitro. Dieguez C, et al. **Endocrinology** 1984 Mar;114(3):957–61

Hypothyroid pituitary cells in culture: an analysis of thyrotropin and prolactin responses to dopamine (DA) and DA receptor binding. Foord SM, et al. **Endocrinology** 1984 Jul;115(1):407–15

Ratios of alpha to beta TSH mRNA in normal and hypothyroid pituitaries and TSH-secreting tumors. Gurr JA, et al. **Endocrinology** 1984 Aug;115(2):830–2

Role of the hypothalamic paraventricular nucleus in the secretion of thyrotropin under adrenergic and cold-stimulated conditions in the rat. Ishikawa K, et al. **Endocrinology** 1984 Feb;114(2):352–8

Autoregulatory control of thyrotropin in rabbits. Kakita T, et al. **Endocrinology** 1984 Jun;114(6):2301–5

Direct adrenergic stimulation of the release of thyrotropin and its subunits from the thyrotrope in vitro. Klibanski A, et al. **Endocrinology** 1983 Oct;113(4):1244–9

Arachidonic acid metabolism and thyrotropin secretion in vitro. Canonico PL, et al. **Eur J Pharmacol** 1984 Feb 10; 98(1):45–52

Calcitonin inhibits TRH-induced TSH secretion. Zofková I, et al. **Exp Clin Endocrinol** 1984 May;83(3):263–8

Effects of intraventricular administration of insulin on thyrotropin secretion in rats. Mitsuma T, et al. **Experientia** 1984 Jul 15;40(7):760–1

Thyrotropin secretion in starved rats is enhanced by somatostatin antiserum. DeRuyter H, et al. **Horm Metab Res** 1984 Feb;16(2):92–6

Different response of TSH to TRH in the morning and evening. Tatár P, et al. **Horm Metab Res** 1983 Sep;15(9):461

Dissociation between the effects of beta- and gamma-endorphin on PRL and TSH secretion in rat. Velkeniers B, et al. **Horm Metab Res** 1983 Oct;15(10):521–2

Nortriptyline plasma levels and clinical response in patients with familial pure unipolar depression and blunted TRH tests. Gold MS, et al. **Int J Psychiatry Med** 1983–84; 13(3):215–20

Paradoxical response of thyrotropin to L-dopa and presence of dopaminergic receptors in a thyrotropin-secreting pituitary adenoma. Chanson P, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):542-6

Impaired pituitary thyrotroph function in uncontrolled type II diabetes mellitus: normalization on recovery. Kabadi UM. **J Clin Endocrinol Metab** 1984 Sep;59(3):521-5

Thyrotropin (TSH)-induced hyperthyroidism: response of TSH to dopamine and its agonists. Sriwatanakul K, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):255-61

Bromocriptine therapy for hyperthyroidism due to increased thyrotropin secretion. Takamatsu J, et al. **J Clin Endocrinol Metab** 1984 May;58(5):934-6

Desensitization of rat anterior pituitary gland to thyrotrophin releasing hormone. Sheppard MC, et al. **J Endocrinol** 1984 Apr;101(1):101-5

Successful treatment of hyperthyroidism due to nonneoplastic pituitary TSH hypersecretion with 3,5,3'-triiodothyroacetic acid (TRIAC). Beck-Peccoz P, et al. **J Endocrinol Invest** 1983 Jun;6(3):217-23

Hypothalamic-pituitary-thyroid axis in acromegaly. Carmina E, et al. **J Endocrinol Invest** 1983 Aug;6(4):263-6

The cold-induced TSH secretion is resistant to alterations in the physicochemical properties of the intracerebral infusions. Mattila J, et al. **J Endocrinol Invest** 1983 Jun; 6(3):225-8

Effects of trypan blue on thyroid secretion: localization of trypan blue within the colloid space and phagolysosomes of thyroid follicles. Peake RL, et al. **J Endocrinol Invest** 1983 Jun;6(3):161-7

Dermorphin, a new opioid peptide, stimulates thyrotropin secretion in normal subjects. Roti E, et al. **J Endocrinol Invest** 1984 Jun;7(3):211-4

The dissociation of the exaggerated prolactin and thyrotropin responses in seminiferous tubule failure following the administration of a double-pulse of thyrotropin-releasing hormone. Spitz IM, et al. **J Endocrinol Invest** 1983 Aug; 6(4):273-6

Rat anterior pituitary cells maintained on artificial capillaries: responses of thyrotrophs and lactotrophs to depolarization, TRH and dopamine. Dieguez C, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):73-82

The effect of nomifensine on thyroid-stimulating hormone (TSH) in normal and hyperprolactinemic subjects. Giusti M, et al. **Neuroendocrinology** 1983 Dec;37(6):406-10

Hyperthyroidism due to inappropriate TSH secretion with associated hyperprolactinaemia—a case report and review of the literature. Spitz IM, et al. **Postgrad Med J** 1984 May; 60(703):328-35

[Role of triiodothyronine and thyroxine in the regulation of thyrotropic hormone secretion (TSH) and the maintenance of the euthyroid state in healthy persons] Felt V, et al. **Cas Lek Cesk** 1984 May 11;123(19):583-5 (Eng. Abstr.) **(Cze)**

[Pharmacodynamic tests of the stimulation of hypophyseal function: simplification of the procedure without alteration of their diagnostic value] Simonin G, et al. **C R Soc Biol (Paris)** 1984;178(1):25-8 (Eng. Abstr.) **(Fre)**

[Plasma thyrotropin secretion in patients with chronic renal failure] Mori H, et al. **Nippon Jinzo Gakkai Shi** 1983 Apr; 25(4):421-7 (Eng. Abstr.) **(Jpn)**

[Relation between the summation of scores of FT4, FT3I and TSH and TRH responses in patients with hyperthyroidism] Kurihara S, et al. **Radioisotopes** 1983 Jul; 32(7):336-9 **(Jpn)**

[Thyrotropin response to thyroliberin administration in patients with duodenal ulcer and patients with depressive syndromes] Ivanikov IO, et al. **Ter Arkh** 1983;55(9):110-2 (Eng. Abstr.) **(Rus)**

[Use and abuse of the TRH-induced TSH stimulation test] Escobar Jiménez F, et al. **Med Clin (Barc)** 1984 Apr 14; 82(14):627-8 **(Spa)**

[Effect of histamine on thyrotropin secretion in the rat. Possible participation of H1 and H2 receptors] Ulios ER, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):619-24 (Eng. Abstr.) **(Spa)**

URINE

Effect of mefenamic acid on plasma protein-thyroid hormone interaction, monodeiodination of thyroxine, urinary excretion of tri-iodothyronine and thyrotropin regulation. Koizumi Y, et al. **Clin Exp Pharmacol Physiol** 1984 May-Jun;11(3):291-9

THYROTROPIN RELEASING HORMONE

Hydrogen-1 and carbon-13 nuclear magnetic resonance conformational studies of the His-Pro peptide bond: conformational behavior of TRH. Unkefer CJ, et al. **Int J Pept Protein Res** 1983 Nov;22(5):582-9

ADMINISTRATION & DOSAGE

Influence of dopaminergic inhibition on serum levels of thyrotrophin and prolactin in patients with hypothyroidism before and after prolonged oral administration of TRH. Frey HM, et al. **Acta Endocrinol (Copenh)** 1983 Oct; 104(2):183-8

Prolactin response to thyrotropin-releasing hormone stimulation and dopaminergic inhibition in benign breast disease. Kumar S, et al. **Cancer** 1984 Mar 15;53(6):1311-5

Effects of TRH, bovine TSH, and pituitary extracts on thyroidal T4 release in Ambystoma mexicanum. Darras VM, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):286-91

Buccal absorption of protirelin: an effective way to stimulate thyrotropin and prolactin. Anders R, et al. **J Pharm Sci** 1983 Dec;72(12):1481-3

Effects of cycloheximide and repeated TRH administration on TRH receptors in the mouse brain. Ogawa N, et al. **Jpn J Pharmacol** 1984 Jan;34(1):119-21

Facilitation of inspiration by intracerebroventricular injection of thyrotropin-releasing hormone in rabbits. Homma I, et al. **Neurosci Lett** 1984 Feb 24;44(3):265-9

Thyrotropin-releasing hormone injected intracerebroventricularly in the rat stimulates exocrine pancreatic secretion via the vagus nerve. Kato Y, et al. **Regul Pept** 1983 Dec;7(4):347-56

[The reciprocal pattern of release observed in PRL and TSH following various types of administration of TRH] Suzuki A, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1905-11 (Eng. Abstr.) **(Jpn)**

[Densensitization phenomenon in pituitary hormone release caused by sustained administration of thyrotropin releasing hormone] Yoshida H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jul;72(7):866-71 **(Jpn)**

[Function of the posterior lobe of the hypophysis in rats under long-term thyroliberin administration] Krasnovskaia IA, et al. **Probl Endokrinol (Mosk)** 1984 May-Jun; 30(3):72-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Pituitary apoplexy associated with a triple bolus test. Case report. Bernstein M, et al. **J Neurosurg** 1984 Sep; 61(3):586-90

ANALOGS & DERIVATIVES

Motoneurone excitability after administration of a thyrotrophin releasing hormone analogue. Clarke KA, et al. **Br J Pharmacol** 1983 Nov;80(3):561-5

A pilot study on the anticonvulsive effects of a thyrotropin-releasing hormone analog in intractable epilepsy. Matsuishi T, et al. **Brain Dev** 1983;5(4):421-8

The pharmacokinetics of thyrotropin-releasing hormone (TRH) and deamido-TRH in the rat. Safran M, et al. **Endocrinology** 1984 Sep;115(3):1031-7

Interactions of thyrotropin releasing hormone, its metabolites and analogues with endogenous and exogenous opiates. Bhargava HN, et al. **Gen Pharmacol** 1983;14(6):565-70 (49 ref.)

Effects of TRH-T and DN-1417 on the central nervous system: an electrophysiological study of arousal reaction and evoked muscular discharges. Yasuhara M, et al. **Int J Neurosci** 1983 Nov;21(3-4):197-223

Synthesis of thyrotropin-releasing hormone analogues. 1. Complete dissociation of central nervous system effects from thyrotropin-releasing activity. Szirtes T, et al. **J Med Chem** 1984 Jun;27(6):741-5

Thyrotropin-releasing hormone and its analog MK-771 increase the cerebroventricular perfusate content of dihydroxyphenylacetic acid. Nielsen JA, et al. **J Neurochem** 1984 Aug;43(2):593-6

A TRH analog (DN-1417): effects on local cerebral glucose utilization in conscious and pentobarbitalized rats determined by the autoradiographic 2-deoxy-[14C]glucose method. Nagai Y, et al. **Jpn J Pharmacol** 1983 Jun; 33(3):635-45

Increase in rat regional brain cyclic nucleotides by thyrotropin-releasing hormone (TRH) and its analog DN-1417. Narumi S, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):915-26

Thyrotropin-releasing hormone (TRH) and its analog (DN-1417): interaction with pentobarbital in oxygen consumption and cyclic AMP formation of rat cerebral cortex slices. Narumi S, et al. **Life Sci** 1984 May 28; 34(22):2177-84

Differential effect of fluorinated analogs of TRH on the cardiovascular system and prolactin release. Feuerstein G, et al. **Neuropeptides** 1984 Jun;4(4):303-10

A TRH analog (DN-1417): motor stimulation with rearing related to catecholaminergic mechanisms in rats. Miyamoto M, et al. **Neuropharmacology** 1984 Jan;23(1):61-72

Analeptic effects of centrally injected TRH and analogues of TRH in the pentobarbitone-anaesthetized rat. Sharp T, et al. **Neuropharmacology** 1984 Mar;23(3):339-48

The TRH analogue CG3509 increases in vivo catechol/ascorbate oxidation in the N. accumbens but not in the striatum of the rat. Sharp T, et al. **Neuropharmacology** 1984 Jun;23(6):617-23

Effects of behaviorally active doses of thyrotropin-releasing hormone and its analog MK-771 on dopaminergic neuronal systems in the brain of the rat. Yamada K, et al. **Neuropharmacology** 1984 Jul;23(7A):735-9

Biochemical similarity of rat pituitary and CNS TRH receptors. Sharif NA, et al. **Neurosci Lett** 1983 Aug 19; 39(1):57-63

Inhibition by DN-1417 (a TRH derivative) of [3H]GABA binding in the rat brain. Tatsuoka Y, et al. **Neurosci Lett** 1983 Dec 2;42(2):149-54

Effects of thyrotropin-releasing hormone (TRH) and MK-771 on schedule-controlled behavior of squirrel monkeys, rabbits and pigeons. Barrett JE. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):177-81

Effects of thyrotropin-releasing hormone (TRH) and a TRH analogue, MK-771, on punished responding of squirrel monkeys. Brady LS, et al. **Psychopharmacology (Berlin)** 1984;83(2):151-4

Potent central nervous system action of p-Glu-His-(3,3'-dimethyl)-Pro NH2, a stabilized analog of TRH, to stimulate gastric secretion in rats. Taché Y, et al. **Regul Pept** 1984 Jan;8(1):71-8

[Anticonvulsant effect of a novel TRH analog (DN-1417) on amygdaloid kindled seizure II; comparison with TRH tytrate] Morimoto K, et al. **No To Shinkei** 1983 May; 35(5):501-4 (Eng. Abstr.) **(Jpn)**

[Anticonvulsant effects of TRH analog. 3. Prophylactive effects of DN-1417 on kindling model] Morimoto K, et al. **No To Shinkei** 1983 Aug;35(8):787-93 (Eng. Abstr.) **(Jpn)**

[Effect of DN-1417 (TRH analog) on schizophrenic patients] Mizuki Y, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(11):808-12 **(Jpn)**

[Interaction with cholinergic drugs in reversal of cycloheximide-induced amnesia by thyrotropin-releasing hormone and its analog DN-1417 in mice] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):127-36 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Concentrations of immunoreactive thyrotropin-releasing hormone in spinal cord of patients with amyotrophic lateral sclerosis. Mitsuma T, et al. **Am J Med Sci** 1984 Mar-Apr; 287(2):34-6

Localization of immunoreactive thyrotropin releasing hormone in the lower brainstem of the rat. Eskay RL, et al. **Brain Res** 1983 Oct 24;277(1):159-62

Distribution of immunoreactive thyrotropin-releasing hormone in the forebrain and hypophysis of the bullfrog, Rana catesbeiana. Seki T, et al. **Cell Tissue Res** 1983; 233(3):507-16

Thyrotropin-releasing hormone in rat pituitary stalk blood and hypothalamus: studies with high performance liquid chromatography. Sheward WJ, et al. **Endocrinology** 1983 Nov;113(5):1865-9

Thyrotropin releasing hormone (TRH) distribution in the rat adrenal gland. Tal E, et al. **Horm Metab Res** 1984 Aug; 16(8):453

Human semen contains thyrotropin releasing hormone (TRH), a TRH-homologous peptide, and TRH-binding substances. Pekary AE, et al. **J Androl** 1983 Nov-Dec; 4(6):399-407

Identification of immunoreactive thyrotropin-releasing hormone in human neoplasia. Wilber JF, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):432-5

Thyrotrophin releasing hormone and related peptides in canine tissues. Pekary AE, et al. **J Endocrinol** 1983 Sep; 98(3):299-306

Evidence for 5-hydroxytryptamine, substance P, and thyrotropin-releasing hormone in neurons innervating the phrenic motor nucleus. Holtman JR Jr, et al. **J Neurosci** 1984 Apr;4(4):1064-71

Effect of electroconvulsive shock on the content of thyrotropin-releasing hormone in rat brain. Kubek MJ, et al. **Life Sci** 1984 Mar 19;34(12):1149-52

Strategies for the preparation of haptens for conjugation and substrates for iodination for use in radioimmunoassay of small oligopeptides. Youngblood WW, et al. **Methods Enzymol** 1983;103:435-47

Thyrotropin releasing hormone content is unchanged in brains of patients with Parkinson disease. Javoy-Agid F, et al. **Neuropeptides** 1983 Jul;3(5):405-10

Evidence that spinal cord thyrotropin-releasing hormone is independent of the paraventricular nucleus. Lechan RM, et al. **Neurosci Lett** 1983 Dec 23;43(1):61-5

The distribution of thyrotropin-releasing hormone (TRH) in the rhesus monkey spinal cord. Lechan RM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:185-94

High concentrations of p-Glu-His-Pro-NH2 (thyrotropin-releasing hormone) occur in rat prostate. Pekary AE, et al. **Peptides (Fayetteville)** 1983 Nov-Dec; 4(6):915-9

[Abnormal hormone receptors in functional pituitary adenoma] Takeda R, et al. **Nippon Rinsho** 1983 Jun; 41(6):1259-63 **(Jpn)**

[Distribution and localization of thyrotropin-releasing hormone (TRH) in the central nervous system and the effect of amines on TRH metabolism investigated with indirect immunofluorescence technic] Mizuno K, et al. **Rinsho Shinkeigaku** 1983 Oct;23(10):881-91 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Biosynthesis of thyrotropin releasing hormone in the skin of Xenopus laevis: partial sequence of the precursor deduced from cloned cDNA. Richter K, et al. **EMBO J** 1984 Mar;3(3):617-21

C-terminal amidation of neuropeptides. Gly-Lys-Arg extension an efficient precursor of C-terminal amide. Gomez S, et al. **FEBS Lett** 1984 Feb 13;167(1):160-4

BLOOD

Immunoreactive thyrotrophin-releasing hormone like material (IR-TRH LM) in human cord blood: high

circulating serum levels but possible non-identity with hypothalamic TRH. Kaufman JM, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):319–26

Effects of substance P, angiotensin II, oxotremorine and prostaglandin D2 on thyrotropin secretion in rats. Mitsuma T, et al. **Horm Res** 1984;19(3):176–84

Hypothalamic portal blood immunoreactive TRH in the rat: lack of effect of hypothyroidism and thyroid hormone treatment. Ching MC, et al. **J Endocrinol Invest** 1983 Oct; 6(5):347–52

TRH, reverse T3, and leuenkephalin levels and other physiological changes in a male adult during prolonged fasting. Carter JP, et al. **J Natl Med Assoc** 1983 Dec; 75(12):1161–6

Radioimmunoassay of thyrotropin-releasing hormone (TRH) in rat, dog, and human blood. Yokohama S, et al. **J Pharmacobiodyn** 1983 Sep;6(9):627–36

DEFICIENCY

Hypothalamic hypothyroidism due to isolated thyrotropin-releasing hormone (TRH) deficiency. Katakami H, et al. **J Endocrinol Invest** 1984 Jun;7(3):231–3

[Isolated TRH deficiency with cataract, mental retardation and short height] Fujioka T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:11–4 **(Jpn)**

DIAGNOSTIC USE

LRF and TRF test during long-term danazol treatment: increase of the LH and FSH responses but decrease of the prolactin and TSH responses. Leppäluoto J, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):1–5

Carpenter's syndrome with empty sella and abnormal LRH and TRH response. Verdy M, et al. **Acta Endocrinol (Copenh)** 1983 Sep;104(1):6–9

Specificity of the DST and the TRH test for major depression in alcoholics. Dackis CA, et al. **Am J Psychiatry** 1984 May; 141(5):680–3

Prediction of relapse with the TRH test and prophylactic amitriptyline in 39 patients with endogenous depression. Krog-Meyer I, et al. **Am J Psychiatry** 1984 Aug; 141(8):945–8

The TRH test and thyroid hormone in refractory depression [letter] Targum SD, et al. **Am J Psychiatry** 1984 Mar; 141(3):463

Endocrine profiles in pediatric andrology. I. Thyroid-stimulating hormone response to thyrotropin-releasing hormone in normal and protein-calorie malnourished infants. Abdalla MI, et al. **Arch Androl** 1983 Aug;11(1):39–43

Neuroendocrine predictors of the antidepressant effect of partial sleep deprivation. Joffe R, et al. **Biol Psychiatry** 1984 Mar;19(3):347–52

Effects of acute hospitalization on the dexamethasone suppression and TRH stimulation tests. Roy-Byrne P, et al. **Biol Psychiatry** 1984 Apr;19(4):607–12

Persistent neuroendocrine dysregulation in major depressive disorder: a marker for early relapse. Targum SD. **Biol Psychiatry** 1984 Mar;19(3):305–18

Administration of thyrotropin-releasing hormone at weekly intervals results in a diminished thyrotropin response. Winokur A, et al. **Biol Psychiatry** 1984 May;19(5):695–702

Thyrotrophin response to thyreostimulin in affectively ill women relationship to suicidal behaviour. Linkowski P, et al. **Br J Psychiatry** 1983 Oct;143:401–5

Normal reference interval for thyrotropin response to thyroliberin: dependence on age, sex, free thyroxin index, and basal concentrations of thyrotropin. Erfurth EM, et al. **Clin Chem** 1984 Feb;30(2):196–9

The effect of endogenous and exogenous gonadotrophin-releasing hormone on the prolactin response to TRH. Gooren LJ, et al. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):281–8

Sex difference in the paradoxical response of serum GH to thyrotrophin releasing hormone in cancer patients. Kamijo K, et al. **Endocrinol Jpn** 1983 Dec;30(6):777–82

Prolactin response to stimulation in obesity. Sannia A, et al. **Horm Metab Res** 1983 Aug;15(8):411

Effect of TRH on plasma arginine vasopressin. Husain Jawadi M, et al. **Horm Res** 1984;19(2):91–6

TSH response to TRH in hemodialysis and CAPD patients. Giordano C, et al. **Int J Artif Organs** 1984 Jan;7(1):7–10

Nortriptyline plasma levels and clinical response in patients with familial pure unipolar depression and blunted TRH tests. Gold MS, et al. **Int J Psychiatry Med** 1983–84; 13(3):215–20

TRH test in the follow-up of operated simple goiter: a study of recurrence. Ronga G, et al. **Ital J Surg Sci** 1983; 13(2):95–9

TRH test abnormalities in psychiatric disorders. Wolkin A, et al. **J Affective Disord** 1984 Jun;6(3–4):273–81

Association of thyroid-stimulating immunoglobulins and thyrotropin-releasing hormone responsiveness in women with euthyroid goiter. Smyth PP, et al. **J Clin Endocrinol Metab** 1983 Nov;57(5):1001–6

Diminished prolactin response to thyrotropin and insulin in anorexia nervosa. Waldhauser F, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):538–41

Neuroendocrine dysfunction and response to tricyclic antidepressants. Kirstein L. **J Clin Psychiatry** 1984 Sep; 45(9):385–6

Nomifensine, TRH and insulin-induced hypoglycemia tests in the diagnosis of prolactinomas. Iannotta F, et al. **J Endocrinol Invest** 1983 Oct;6(5):353–8

Hyperprolactinemia: comparison of thyrotropic-releasing hormone and tomography. Shangold GA, et al. **Obstet Gynecol** 1984 Jun;63(6):771–5

The TRH test in patients wih borderline personality disorder. Garbutt JC, et al. **Psychiatry Res** 1983 Jun;9(2):107–13

The effects of carbamazepine on the thyrotropin response to thyrotropin-releasing hormone. Joffe RT, et al. **Psychiatry Res** 1984 Jun;12(2):161–6

Dexamethasone suppression, protirelin stimulation, and insulin infusion in subtypes of recovered depressive patients. Kathol RG, et al. **Psychiatry Res** 1983 Jun; 9(2):99–106

Methodological issues in the measurement of serum TSH—implications for psychiatry. Sternbach HA, et al. **Psychoneuroendocrinology** 1983;8(4):455–8

The dexamethasone suppression and thyrotropin-releasing hormone tests in depressed borderline patients. Sternbach HA, et al. **Psychoneuroendocrinology** 1983;8(4):459–62

Diurnal variation of growth hormone secretion following thyrotropin-releasing hormone infusion in normal men. Caroff S, et al. **Psychosom Med** 1984 Jan–Feb;46(1):59–66

The TRH test in affective disorders: experience in a private clinical setting. Extein I, et al. **Psychosomatics** 1984 May; 25(5):379–80, 383, 385–6 passim

[Prolactin secretion and gynecomastia] Kumanov F. **Vutr Boles** 1983;22(6):103–10 (Eng. Abstr.) **(Bul)**

[Changes in serum levels of T4, T3 and TSH in TRH stimulation test among normal adults] Liu GZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):290–4 (Eng. Abstr.) **(Chi)**

[Pharmacodynamic tests of the stimulation of hypophyseal function: simplification of the procedure without alteration of their diagnostic value] Simonin G, et al. **C R Soc Biol (Paris)** 1984;178(1):25–8 (Eng. Abstr.) **(Fre)**

[Limitations of the thyroliberin test in the elderly. Influence of sex (letter)] Kissel C, et al. **Presse Med** 1984 Mar 17; 13(11):681 **(Fre)**

[Fruste form of hyperthyroidism manifested by auricular arrhythmia. Importance of the assay of the free fraction of thyroxine (FT4) and the role of the TRH test] Rohmer V, et al. **Presse Med** 1984 Jan 28;13(3):145–8 (Eng. Abstr.) **(Fre)**

[Role of the TRF test in the study of atrial dysrhythmia] Chamontin B, et al. **Rev Med Interne** 1983 Sep;4(3):279–83 (Eng. Abstr.) **(Fre)**

[Nosographic classification of depressive syndromes and neuro-endocrine tests] Gay C, et al. **Therapie** 1984 May-Jun;39(3):209–20 (Eng. Abstr.) **(Fre)**

[Comparison between the intravenous TRH-test and the T4-thyroid suppression test for the diagnosis of borderline hyperthyroidism] Müller-Brand J, et al. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1668–71 (Eng. Abstr.) **(Ger)**

[Free thyroxin as a determinant for thyroid function. Evaluation of direct determination of fT4 compared to the oral TRH test] Zemp A, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):406–11 (Eng. Abstr.) **(Ger)**

[Congenital cytomegalic inclusion disease that failed transiently to respond to thyroid hormones] Hirano T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:82–4 **(Jpn)**

[Usefulness of the TRH-T3 test in the diagnosis of central hypothyroidism] Ishihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1131–7 (Eng. Abstr.) **(Jpn)**

[Relation between the summation of scores of FT4, FT3I and TSH and TRH responses in patients with hyperthyroidism] Kurihara S, et al. **Radioisotopes** 1983 Jul; 32(7):336–9 **(Jpn)**

[Importance of releasing hormones in studying hypophyseal function in children] Zhukovskil MA, et al. **Pediatriia** 1984 Feb;(2):63–6 **(Rus)**

[Thyroliberin test after treatment of thyrotoxicosis] Vakulenko AD. **Probl Endokrinol (Mosk)** 1984 Jan–Feb; 30(1):16–21 (Eng. Abstr.) **(Rus)**

[Personal experience in the diagnosis of latent primary hypothyroidism using the TRH test] Trejbal D, et al. **Cas Lek Cesk** 1983 Apr 22;122(16):494–6 (Eng. Abstr.) **(Slo)**

[Clinical evaluation of neuroendocrine tests in the diagnosis of depressive disorders] Cervera S, et al. **Actas Luso Esp Neurol Psiquiatr** 1983 Sep–Oct; 11(5):345–62 **(Spa)**

[Use and abuse of the TRH-induced TSH stimulation test] Escobar Jiménez F, et al. **Med Clin (Barc)** 1984 Apr 14; 82(14):627–8 **(Spa)**

[Monitoring TSH levels using the TRH test] Alba F, et al. **Rev Clin Esp** 1983 Jul 15–31;170(1–2):51–3 (Eng. Abstr.) **(Spa)**

GENETICS

Glycine-directed peptide amidation: presence in rat brain of two enzymes that convert p-Glu-His-Pro-Gly-OH into p-Glu-His-Pro-NH2 (thyrotropin-releasing hormone). Kizer JS, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3228–32

IMMUNOLOGY

Effects of anti-thyrotropin-releasing hormone anti-serum treatment during the neonatal period on the development of rat thyroid function. Mitsuma T, et al. **Horm Metab Res** 1984 Aug;16(8):428–30

Bovine serum albumin-GABA-His-Pro-NH2: an immunogen for production of higher affinity antisera for TRH. Youngblood WW, et al. **J Neurosci Methods** 1983 Dec;9(4):367–73

ISOLATION & PURIFICATION

Luteinizing hormone-releasing hormone and thyrotropin-releasing hormone in the hypothalamus of women: effects of age and reproductive status. Parker CR Jr, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):488–91

Failure of gel filtration and HPLC purification to increase levels of immunoreactive TRH in rat brain extracts. Court JA, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):585–7

METABOLISM

Effects of hypo- and hyperthyroidism on pancreatic TRH-degrading activity and TRH concentrations in developing rat pancreas. Aratan-Spire S, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):209–14

Developmental pattern of TRH-degrading activity and TRH content in rat pancreas. Aratan-Spire S, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):102–8

Comparative effects of neonatal hypothyroidism and euthyroidism on TRH and substance P content of lumbar spinal cord in saline and PCPA-treated rats. Savard P, et al. **Brain Res** 1983 Oct 31;277(2):263–8

Localization of thyrotropin-releasing hormone (TRH) receptors in the septal nucleus of the rat brain. Simasko SM, et al. **Brain Res** 1984 Apr 2;296(2):393–5

Iodination of thyroliberin by use of Iodogen. Butler SR, et al. **Clin Chem** 1984 Apr;30(4):547–8

TRH transport to rat milk. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1983 Oct;17(3–4):343–50

Streptozotocin treatment at birth induces a parallel depletion of thyrotropin-releasing hormone and insulin in the rat pancreas during development. Aratan-Spire S, et al. **Endocrinology** 1984 Jun;114(6):2369–73

Hormonal control of prostatic thyrotropin-releasing hormone (TRH) testosterone modulates prostatic TRH concentrations. Bhasin S, et al. **Endocrinology** 1984 Mar; 114(3):946–50

The pharmacokinetics of thyrotropin-releasing hormone (TRH) and deamido-TRH in the rat. Safran M, et al. **Endocrinology** 1984 Sep;115(3):1031–7

Hypothyroidism increases pancreatic thyrotropin-releasing hormone concentrations in adult rats. Wolf B, et al. **Endocrinology** 1984 Apr;114(4):1334–7

An evaluation of the role of a pyroglutamyl peptidase, a post-proline cleaving enzyme and a post-proline dipeptidyl amino peptidase, each purified from the soluble fraction of guinea-pig brain, in the degradation of thyroliberin in vitro. Browne P, et al. **Eur J Biochem** 1983 Dec 1; 137(1–2):75–87

Chlordiazepoxide displaces thyrotropin-releasing hormone (TRH) binding. Simasko S, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):419–23

TRH receptors in fish. Burt DR, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):135–42

Effects of insulin on thyrotropin releasing hormone from frog skin. Mitsuma T, et al. **Horm Metab Res** 1983 Aug; 15(8):370–2

Human reproductive tissues contain thyrotropin releasing hormone (TRH) and TRH-homologous peptides. Pekary AE, et al. **J Androl** 1983 Nov-Dec;4(6):408–14

Accumulation of thyrotropin releasing hormone by rat hypothalamic slices. Charli JL, et al. **J Neurochem** 1984 Apr;42(4):981–6

Regional localization and subcellular compartmentalization of thyrotropin-releasing hormone in adult human brain. Parker CR Jr, et al. **J Neurochem** 1983 Dec;41(6):1614–22

Dopaminergic receptors in bovine retina and their interaction with thyrotropin-releasing hormone. Reading HW. **J Neurochem** 1983 Dec;41(6):1587–95

Modulation of receptors for thyrotropin-releasing hormone by benzodiazepines: brain regional differences. Sharif NA, et al. **J Neurochem** 1984 Sep;43(3):742–6

Absorption of thyrotropin-releasing hormone after oral administration of TRH tartrate monohydrate in the rat, dog and human. Yokohama S, et al. **J Pharmacobiodyn** 1984 Feb;7(2):101–11

Characterization and subcellular distribution of specific thyrotropin-releasing hormone binding sites in rat cerebellum. Prasad C, et al. **Neurochem Res** 1984 Apr; 9(4):545–53

Distribution and characterization of the TRH receptors in the CNS of ataxic mutant mouse. Yamaguchi T, et al. **Neurochem Res** 1984 Apr;9(4):477–84

The effects of 5,7-dihydroxytryptamine and p-chlorophenylalanine on thyrotrophin-releasing hormone in regions of the brain and spinal cord of the rat. Lighton C, et al. **Neuropharmacology** 1984 Jan;23(1):55–60

Protein-energy malnutrition alters brain thyrotropin-releasing hormone and cyclo (His-Pro) in the neonatal rat. Mori M, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):241–4

Micromolar substance P reduces spinal receptor binding for

thyrotropin-releasing hormone—possible relevance to neuropeptide coexistence? Sharif NA, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):245-51

K+-induced thyrotropin-releasing hormone release from superfused mediobasal hypothalami in rats. Inhibition by somatostatin. Tapia-Arancibia L, et al. **Neurosci Lett** 1984 Mar 9;45(1):47-52

Changes in thyrotropin-releasing hormone levels in alligator stomach during fasting. Bolaffi JL, et al. **Peptides (Fayetteville)** 1983 May-Jun;4(3):311-4

Barbiturate competition for TRH receptors in mouse brain: neuromodulation of anesthesia. Hirsch MD. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):255-60

Chronic dihydroergotoxine administration sets on receptors for enkephalin and thyrotropin releasing hormone in the aged-rat brain. Ogawa N, et al. **Peptides (Fayetteville)** 1984 Jan-Feb;5(1):53-6

Characterization of rat placental TRH-like material and the ontogeny of placental and fetal brain TRH. Shambaugh GE 3d, et al. **Placenta** 1983 Oct-Dec;4(4):329-37

PHARMACODYNAMICS

Prolactin secretion from human prolactinomas perifused in vitro: effect of TRH, prostaglandin E1, theophylline, dopamine and dopamine receptor blockers. Chihara K, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):6-13

Effects of neonatal exposure to TRH on development of the pituitary-thyroid axis in rats. Kawai Y, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):201-5

Prolactin in hirsute women: possible roles for androgens in suppressing basal levels, and for oestrogens in enhancing TRH-induced responses. McKenna TJ, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):15-20

Prl, TSH, FSH, beta-hCG and oestriol responses to repetitive (triple) LRH/TRH administration in the third trimester of human pregnancy. Pérez-López FR, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):400-4

In vitro thyrotrophin release with thyrotropin-releasing hormone and an analogue, DN-1417. Shiota K, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):71-8

The effects of hypothalamic extracts and TRH on the growth and hormone production of GH3 cells in culture. Yajima Y, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):287-94

Thyrotropin and prolactin response to thyrotropin-releasing hormone in healthy and asphyxiated full-term neonates. Ruppert F, et al. **Acta Paediatr Hung** 1983;24(2):111-8

Effects of the tripeptides TRH, MIF and MAF on the cerebral dopaminergic system. Klusha B, et al. **Acta Physiol Pharmacol Bulg** 1983;9(2):14-9

Urinary urgency and thyrotropin-releasing hormone. Bergman A, et al. **Am J Obstet Gynecol** 1984 Jan 1; 148(1):106-7

Prolactin molecular heterogeneity. Response to thyrotropin-releasing hormone stimulation of concanavalin A-bound and -unbound immunoassayable prolactin during human pregnancy. Shoupe D, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):482-7

Changes in cytosolic ionized calcium induced by activators of secretion in GH3 cells. Snowdowne KW, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E198-201

Diagnostic dosages of protirelin (TRH) elevate BP by noncatecholamine mechanisms. Zaloga GP, et al. **Arch Intern Med** 1984 Jun;144(6):1149-52

Thyrotropin-releasing hormone (TRH) potentiates pentobarbital-based flavor aversion learning. Taukulis HK. **Behav Neural Biol** 1983 Sep;39(1):135-9

Thyroliberin stimulates rapid hydrolysis of phosphatidylinositol 4,5-bisphosphate by a phosphodiesterase in rat mammotropic pituitary cells. Evidence for an early Ca2+-independent action. Rebecchi MJ, et al. **Biochem J** 1983 Nov 15;216(2):287-94

Effect of thyrotropin-releasing hormone on dog thyroid in vitro. Delbeke D, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):262-8

Thyrotropin-releasing hormone stimulates inositol phosphate production in normal anterior pituitary cells and GH3 tumour cells in the presence of lithium. Baird JG, et al. **Biosci Rep** 1983 Dec;3(12):1091-9

Thyrotropin releasing hormone-induced hyperthermia in mice: possible involvement of adrenal and pituitary glands. Boschi G, et al. **Br J Pharmacol** 1983 Oct;80(2):229-33

Thyrotropin-releasing hormone (TRH) improves survival in anaphylactic shock: a central effect mediated by the sympatho-adrenomedullary beta-adrenoceptive system. Amir S, et al. **Brain Res** 1984 Apr 30;298(2):219-24

Supersensitivity to the respiratory stimulatory effect of TRH in 5,7-dihydroxytryptamine-treated rats. Mueller RA, et al. **Brain Res** 1984 Apr 30;298(2):370-3

Thyrotropin-releasing hormone increases the number of muscarinic receptors in the lateral septal area of the rat brain. Pirola CJ, et al. **Brain Res** 1983 Aug 29;273(2):387-91

Effect of substance P and thyrotropin-releasing hormone on sympathetic preganglionic neurones in the upper thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):248-51

The effect of oestrogen (mestranol) on the thyrotrophin response to thyrotrophin releasing hormone in postmenopausal oophorectomised women. Abdalla HI, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):65-9

Pituitary responsiveness to gonadotrophin-releasing and thyrotrophin-releasing hormones in epileptic patients receiving carbamazepine or phenytoin. Dana-Haeri J, et al. **Clin Endocrinol (Oxf)** 1984 Feb;20(2):163-8

Gonadotrophin and alpha subunit secretion by human 'functionless' pituitary adenomas in cell culture: long term effects of luteinizing hormone releasing hormone and thyrotrophin releasing hormone. Surmont DW, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):325-36

Effect of thyrotropin-releasing hormone in pituitary-thyroid system function infertile women after surgical castration. Lecca U, et al. **Clin Exp Obstet Gynecol** 1983;10(4):166-70

Serum thyroxine, triiodothyronine, and TSH levels and TSH release after TRH in aging male and female rats. Greeley GH Jr, et al. **Endocr Res Commun** 1982-83;9(3-4):169-77

The suppression of TSH in the presence of the normal PRL responses to TRH out of 26 patients with primary hyperparathyroidism. Shimizu T, et al. **Endocrinol Jpn** 1983 Apr;30(2):229-34

Biphasic release of thyrotropin in response to thyrotropin-releasing hormone (TRH) from rat anterior pituitary cells in vitro: possible dependence on protein synthesis. Shiota K, et al. **Endocrinol Jpn** 1984 Apr; 31(2):165-75

Increased sensitivity of the thyrotroph to thyrotropin-releasing hormones in rats with hypothalamic hypothyroidism. Aizawa T, et al. **Endocrinology** 1984 Jan; 114(1):8-13

Human pancreatic growth hormone-releasing factor-40 (hpGRF-40) allows stimulation of GH release by TRH. Borges JL, et al. **Endocrinology** 1983 Oct;113(4):1519-21

The effects of the duration of severe hypothyroidism and aging on the metabolic clearance rate of thyrotropin (TSH) and the pituitary TSH response to TSH-releasing hormone. Connors JM, et al. **Endocrinology** 1984 May;114(5):1930-7

Interactions among epinephrine, thyrotropin (TSH)-releasing hormone, dopamine, and somatostatin in the control of TSH secretion in vitro. Dieguez C, et al. **Endocrinology** 1984 Mar;114(3):957-61

Calcium influx is not required for TRH to elevate free cytoplasmic calcium in GH3 cells. Gershengorn MC, et al. **Endocrinology** 1983 Oct;113(4):1522-4

Direct in vitro effect of thyroid hormones on 25-hydroxyvitamin D3 metabolism in the perfused rat kidney. Kano K, et al. **Endocrinology** 1984 Feb;114(2):330-6

Thyrotropin (TSH)-releasing hormone decreases phosphatidylinositol and increases unesterified arachidonic acid in thyrotropic cells: possible early events in stimulation of TSH secretion. Kolesnick RN, et al. **Endocrinology** 1984 Feb;114(2):671-6

Thyrotropin-releasing hormone stimulates body weight gain and increases thyroid hormones and growth hormone in plasma of cockerels. Leung FC, et al. **Endocrinology** 1984 Aug;115(2):736-40

Evidence that thyrotropin-releasing hormone is not a major prolactin-releasing factor during suckling in the rat. Riskind PN, et al. **Endocrinology** 1984 Jul;115(1):312-6

Thyrotropin-releasing hormone stimulates growth hormone release from the anterior pituitary of hypothyroid rats in vitro. Szabo M, et al. **Endocrinology** 1984 Apr; 114(4):1344-51

TRH reverses the effect of captopril in the renal hypertensive rat. Goldstein DJ, et al. **Eur J Pharmacol** 1983 Sep 30; 93(3-4):293-4

Actions of TRH and cyclo-(His-Pro) on spontaneous and evoked activity of cortical neurones. Stone TW. **Eur J Pharmacol** 1983 Aug 19;92(1-2):113-8

Decrease of prolactin response to TRH during ageing in women. Felt V, et al. **Exp Clin Endocrinol** 1984 May; 83(3):364-6

Studies on the inhibitory effect of apomorphine and bromocryptine on basal and TRH induced level of TSH and PRL in hypothyroid rats under pentobarbiturate anesthesia. Langer P, et al. **Exp Clin Endocrinol** 1984 May; 83(3):269-74

Calcitonin inhibits TRH-induced TSH secretion. Zofková I, et al. **Exp Clin Endocrinol** 1984 May;83(3):263-8

Effects of bombesin, vasoactive intestinal peptide and neurotensin on TRH-induced body shaking in rats. Katsuura G, et al. **Experientia** 1984 May 15;40(5):509-10

Hyperthermia after intrahypothalamic injections of thyrotropin releasing hormone (TRH) in the pigeon. Lahti H, et al. **Experientia** 1983 Dec 15;39(12):1338-40

Polyphosphoinositide hydrolysis by phospholipase C is accelerated by thyrotropin releasing hormone (TRH) in clonal rat pituitary cells (GH3 cells). Schlegel W, et al. **FEBS Lett** 1984 Mar 12;168(1):54-60

Effects of thyrotropin-releasing hormone on catecholamine concentration in various structures of the rat brain. Niimi M, et al. **Folia Psychiatr Neurol Jpn** 1983;37(2):121-7

Effect of thyrotropin-releasing hormone and its metabolites on the secretion of sulfated polysaccharides by foot integument of a pond snail. Grimm-Jørgensen Y, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):410-7

Effect of thyrotropin-releasing hormone (TRH) on the synthesis and secretion of polysaccharides by the integument of gastropods. Grimm-Jørgensen Y, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):23-9

Stimulation of growth hormone secretion in dwarf chickens by thyrotrophin-releasing hormone (TRH) or human pancreatic growth-hormone-releasing factor (hpGRF). Harvey S, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):493-7

In vitro study of frog (Rana ridibunda Pallas) neurointermediate lobe secretion by use of a simplified perifusion system. II. Lack of action of thyroxine on TRH-induced alpha-MSH secretion. Leroux P, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):323-8

In vitro effects of thyrotropin-releasing hormone and somatostatin on prolactin and growth hormone release by the pituitary of Poecilia latipinna. I. An electrophoretic study. Wigham T, et al. **Gen Comp Endocrinol** 1984 Sep; 55(3):444-9

Interactions of thyrotropin releasing hormone, its metabolites and analogues with endogenous and exogenous opiates. Bhargava HN, et al. **Gen Pharmacol** 1983;14(6):565-70 (49 ref.)

Influence of intravenous thyrotropin-releasing hormone on serum calcium in patients with thyrotoxicosis. Röjdmark S. **Horm Metab Res** 1984 Aug;16(8):454-5

Effect of TRH on plasma glucagon in cirrhotic patients. Speroni G, et al. **Horm Metab Res** 1983 Dec;15(12):619-20

Different response of TSH to TRH in the morning and evening. Tatár P, et al. **Horm Metab Res** 1983 Sep;15(9):461

The effects of thyrotropin-releasing hormone (TRH) on the peripheral plasma levels of pancreatic glucagon and insulin in man. Usman A, et al. **Horm Metab Res** 1984 May; 16(5):263-4

Effects of TRH-T and DN-1417 on the central nervous system: an electrophysiological study of arousal reaction and evoked muscular discharges. Yasuhara M, et al. **Int J Neurosci** 1983 Nov;21(3-4):197-223

Central effects of thyrotropin-releasing hormone and arginine vasopressin on intraocular pressure in rabbits. Krupin T, et al. **Invest Ophthalmol Vis Sci** 1984 Aug; 25(8):932-7

Thyrotropin-releasing hormone-induced spike and plateau in cytosolic free Ca2+ concentrations in pituitary cells. Relation to prolactin release. Albert PR, et al. **J Biol Chem** 1984 May 10;259(9):5827-32

Inositol trisphosphate mediates thyrotropin-releasing hormone mobilization of nonmitochondrial calcium in rat mammotropic pituitary cells. Gershengorn MC, et al. **J Biol Chem** 1984 Sep 10;259(17):10675-81

Ca2+ ionophores affect phosphoinositide metabolism differently than thyrotropin-releasing hormone in GH3 pituitary cells. Kolesnick RN, et al. **J Biol Chem** 1984 Aug 10;259(15):9514-9

Thyrotropin-releasing hormone rapidly activates the phosphodiester hydrolysis of polyphosphoinositides in GH3 pituitary cells. Evidence for the role of a polyphosphoinositide-specific phospholipase C in hormone action. Martin TF. **J Biol Chem** 1983 Dec 25; 258(24):14816-22

Polypeptide hormone regulation of gene expression. Thyrotropin-releasing hormone rapidly stimulates both transcription of the prolactin gene and the phosphorylation of a specific nuclear protein. Murdoch GH, et al. **J Biol Chem** 1983 Dec 25;258(24):15329-35

Voltage-dependent calcium channels in pituitary cells in culture. II. Participation in thyrotropin-releasing hormone action on prolactin release. Tan KN, et al. **J Biol Chem** 1984 Jan 10;259(1):427-34

Thyrotropin-releasing hormone-induced changes in intracellular [Ca2+] measured by microspectrofluorometry on individual quin2-loaded cells. Kruskal BA, et al. **J Cell Biol** 1984 Sep;99(3):1167-72

Thyrotropin-releasing hormone increases cytosolic free Ca2+ in clonal pituitary cells (GH3 cells): direct evidence for the mobilization of cellular calcium. Schlegel W, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):83-7

Blood pressure response to thyrotropin-releasing hormone in euthyroid subjects. Borowski GD, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):197-200

Histamine-induced paradoxical growth hormone response to thyrotropin-releasing hormone in normal men. Knigge U, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):692-7

Inhibitory action of thyrotropin-releasing hormone on serum amylase activity and its mechanism. Komiya I, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1059-63

Divergent influences of calcium ions on releasing factor-stimulated anterior pituitary hormone secretion in normal man. Veldhuis JD, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):56-61

Direct effects of catecholamines, thyrotropin-releasing hormone, and somatostatin on growth hormone and prolactin secretion from adenomatous and nonadenomatous human pituitary cells in culture. Ishibashi M, et al. **J Clin Invest** 1984 Jan;73(1):66-78

Effects of synthetic mammalian thyrotrophin releasing hormone, somatostatin and dopamine on the secretion of prolactin and growth hormone from amphibian and reptilian pituitary glands incubated in vitro. Hall TR, et al. **J Endocrinol** 1984 Aug;102(2):175-80

Desensitization of rat anterior pituitary gland to thyrotrophin releasing hormone. Sheppard MC, et al. **J Endocrinol** 1984 Apr;101(1):101-5

Effect of ethanol infusion on the pituitary-testicular responsiveness to gonadotropin releasing hormone and thyrotropin releasing hormone in normal males and in chronic alcoholics presenting with hypogonadism. Bertello P, et al. **J Endocrinol Invest** 1983 Dec;6(6):413-20

Thyroidal release after oral administration of TRH in normal subjects. Golstein J, et al. **J Endocrinol Invest** 1983 Oct; 6(5):385-7

The growth hormone responses to L-dopa and TRH in acromegaly. Jialal I, et al. **J Endocrinol Invest** 1984 Jun; 7(3):235-7

The dissociation of the exaggerated prolactin and thyrotropin responses in seminiferous tubule failure following the administration of a double-pulse of thyrotropin-releasing hormone. Spitz IM, et al. **J Endocrinol Invest** 1983 Aug; 6(4):273–6

Thyrotropin-releasing hormone and its analog MK-771 increase the cerebroventricular perfusate content of dihydroxyphenylacetic acid. Nielsen JA, et al. **J Neurochem** 1984 Aug;43(2):593–6

Thyrotropin-releasing hormone enhances choline acetyltransferase and creatine kinase in cultured spinal ventral horn neurons. Schmidt-Achert KM, et al. **J Neurochem** 1984 Aug;43(2):586–9

Effects of metoclopramide and TRH on prolactin release in women with breast cancer. Schieppati G, et al. **J Nucl Med Allied Sci** 1983 Jul–Sep;27(3):225–30

Potentiation of cyclo (N-methyl-Tyr-Arg)-induced antinociceptive activity by thyrotropin-releasing hormone in mice. Kawamura S, et al. **J Pharm Pharmacol** 1984 Feb; 36(2):142–4

Influence of thyrotropin-releasing hormone on general behavior and striatal [3H]spiperone binding in developing rats. Oki K, et al. **J Pharmacobiodyn** 1983 Sep;6(9):607–12

Ethanol-induced locomotor stimulation in rats after thyrotropin-releasing hormone. Breese GR, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):731–7

Direct effect of prolactin, induced by TRH injection, on ovarian oestradiol secretion in the ewe. McNeilly AS, et al. **J Reprod Fertil** 1983 Nov;69(2):559–68

Increase in rat regional brain cyclic nucleotides by thyrotropin-releasing hormone (TRH) and its analog DN-1417. Narumi S, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):915–26

Thyrotropin-releasing hormone (TRH) and its analog (DN-1417): interaction with pentobarbital in oxygen consumption and cyclic AMP formation of rat cerebral cortex slices. Narumi S, et al. **Life Sci** 1984 May 28; 34(22):2177–84

Rat anterior pituitary cells maintained on artificial capillaries: responses of thyrotrophs and lactotrophs to depolarization, TRH and dopamine. Dieguez C, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):73–82

Prolactin release from MtTW15 and 7315a pituitary tumors is refractory to TRH and VIP stimulation. Judd AM, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):221–8

Studies of TRH-induced prolactin secretion and its inhibition by dopamine, using ovine pituitary cells. Ray KP, et al. **Mol Cell Endocrinol** 1984 Jun;36(1–2):131–9

Thyrotropin-releasing hormone-stimulated [3H]inositol metabolism in GH3 pituitary tumor cells. Studies with lithium. Drummond AH, et al. **Mol Pharmacol** 1984 Mar; 25(2):201–8

Thyrotropin-releasing hormone stimulates rapid breakdown of phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 4-phosphate in GH3 pituitary tumor cells. Macphee CH, et al. **Mol Pharmacol** 1984 Mar; 25(2):193–200

Endocrine influences on the actions of morphine. III. Responses to hypothalamic hormones. Kasson BG, et al. **Neuroendocrinology** 1983 Dec;37(6):416–20

Analeptic effects of centrally injected TRH and analogues of TRH in the pentobarbitone-anaesthetized rat. Sharp T, et al. **Neuropharmacology** 1984 Mar;23(3):339–48

Effects of behaviorally active doses of thyrotropin-releasing hormone and its analog MK-771 on dopaminergic neuronal systems in the brain of the rat. Yamada K, et al. **Neuropharmacology** 1984 Jul;23(7A):735–9

5-Hydroxytryptamine-thyrotropin releasing hormone interactions in the spinal cord: effects on parameters of sexual behaviour in the male rat. Hansen S, et al. **Neurosci Lett** 1983 Dec 11;42(3):299–304

The spectrum of actions of thyrotropin-releasing hormone on the CNS: a polygraphic study on rabbits. Maurelli M, et al. **Neurosci Lett** 1984 Apr 20;46(1):85–90

Properties of the depolarization induced by TRH in the isolated frog spinal cord. Oka J, et al. **Neurosci Lett** 1984 May 4;46(2):167–72

Antinociceptive effects of thyrotrophin-releasing hormone and its analogues in the rat periaqueductal grey region. Webster VA, et al. **Neurosci Lett** 1983 Nov 21;42(1):67–70

Prolactin and thyrotropin responses to thyrotropin-releasing hormone during the peripartal period. Miyamoto J. **Obstet Gynecol** 1984 May;63(5):639–44

Effects of thyrotropin-releasing hormone (TRH) and MK-771 on schedule-controlled behavior of squirrel monkeys, rabbits and pigeons. Barrett JE. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):177–81

Potentiation of foot shock analgesia by thyrotropin releasing hormone. Butler PD, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):635–9

Comparison of the effects of TRH and D-Ala2-metenkephalinamide on hippocampal electrical activity and behavior in the unanesthetized rat. Drust EG, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):239–43

TRH: cardiovascular and sympathetic modulation in brain nuclei of the rat. Feuerstein G, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):617–20

Effects of TRH injection on hippocampal-hypothalamic-pituitary-thyroid interactions. Murphy HM, et al. **Peptides (Fayetteville)** 1983 Sep–Oct; 4(5):735–7

Comparison of the CNS effects induced by TRH and bicuculline after microinjection into medial septum, substantia nigra and inferior colliculus: absence of support for a GABA antagonist action for TRH. Breese GR, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):145–9

Synthetic tripeptides with anorexogenic effect. Szirtes T, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec;34(5–6):339–45

Growth hormone and prolactin response to thyrotropin releasing hormone and growth hormone releasing factor in the immature turkey. Proudman JA. **Proc Soc Exp Biol Med** 1984 Jan;175(1):79–83

Leukotriene D4-induced hypotension is reversed by thyrotropin-releasing hormone. Feuerstein G, et al. **Prostaglandins** 1983 Nov;26(5):711–24

Effects of thyrotropin-releasing hormone (TRH) and a TRH analogue, MK-771, on punished responding of squirrel monkeys. Brady LS, et al. **Psychopharmacology (Berlin)** 1984;83(2):151–4

The effect of highly selective inhibitors of the uptake of noradrenaline or 5-hydroxytryptamine on TRH-induced hyperthermia in mice. Pawłowski L, et al. **Psychopharmacology (Berlin)** 1983;81(1):48–53

Acute and long-term effects of thyrotropin releasing hormone on behavior mediated by dopaminergic and cholinergic activities in mice. Ushijima I, et al. **Psychopharmacology (Berlin)** 1984;82(4):301–5

Central administration of thyrotropin-releasing hormone and histidyl-proline-diketopiperazine disrupts the acquisition of a food rewarded task by a non-aversive action. Andrews JS, et al. **Regul Pept** 1983 Dec;7(4):373–83

Neurotensin-induced antinociception and hypothermia in mice: antagonism by TRH and structural analogs of TRH. Hernandez DE, et al. **Regul Pept** 1984 Jan;8(1):41–9

Thyrotropin releasing hormone: autonomic effects upon cardiorespiratory function in endotoxic shock. Holaday JW, et al. **Regul Pept** 1983 Oct;7(2):111–25

[Clinical application of TRH and metoclopramide (MCP) stimulating tests for prolactin] Lu YR. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):598–601 (Eng. Abstr.) **(Chi)**

[Thyrotrophin releasing hormone (TRH) stimulates the secretion of T4 by perfused thyroid fragments from rats] Attali JR, et al. **C R Seances Acad Sci [III]** 1984;298(4):93–6 (Eng. Abstr.) **(Fre)**

[Testing of the steroid-related suppressive effect on the hypothalamo-hypophyseal system using twofold stimulation] Carol W, et al. **Zentralbl Gynakol** 1984; 106(6):359–67 (Eng. Abstr.) **(Ger)**

[Influences of TRH and doxapram on the depressed human performance under sub-anesthetic enflurane inhalation] Tashiro C, et al. **Masui** 1983 May;32(5):509–14 (Eng. Abstr.) **(Jpn)**

[Circadian rhythm of urinary somatostatin-like immunoreactivity (SLI) and its contents in several organs after oral TRH administration in rats] Kawashima F, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20; 59(9):1201–12 (Eng. Abstr.) **(Jpn)**

[Anticonvulsant effect of a novel TRH analog (DN-1417) on amygdaloid kindled seizure II; comparison with TRH tytrate] Morimoto K, et al. **No To Shinkei** 1983 May; 35(5):501–4 (Eng. Abstr.) **(Jpn)**

[Interaction with cholinergic drugs in reversal of cycloheximide-induced amnesia by thyrotropin-releasing hormone and its analog DN-1417 in mice] Yamazaki N, et al. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):127–36 (Eng. Abstr.) **(Jpn)**

[Role of the opioidergic system in regulating respiration] Volnov VA, et al. **Biull Eksp Biol Med** 1983 Oct; 96(10):57–9 (Eng. Abstr.) **(Rus)**

[Pharmacology of thyroliberin] Zakusov VV, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):61–4 (Eng. Abstr.) **(Rus)**

[Effect of thyrotropin releasing hormone on the secretory function of the pancreas] Fokina AA, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):67–9 **(Rus)**

[Reaction of the hypothalamic neurosecretory centers in the rat to cooling and the administration of thyroliberin] Krasnovskaia IA. **Probl Endokrinol (Mosk)** 1984 Mar–Apr; 30(2):52–5 (Eng. Abstr.) **(Rus)**

[Thyrotropin response to thyroliberin administration in patients with duodenal ulcer and patients with depressive syndromes] Ivanikov IO, et al. **Ter Arkh** 1983;55(9):110–2 (Eng. Abstr.) **(Rus)**

[Effect of histamine on thyrotropin secretion in the rat. Possible participation of H1 and H2 receptors] Ulloa ER, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):619–24 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Descending serotonergic, peptidergic and cholinergic pathways from the raphe nuclei: a multiple transmitter complex. Bowker RM, et al. **Brain Res** 1983 Dec 12; 288(1–2):33–48

Codepletion of serotonin and TRH induces apparent supersensitivity of spinal TRH receptors. Sharif NA, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):301–4

The TRH induced PRL release in patients with autonomous thyroid nodules before and after surgical treatment. Langer M, et al. **J Endocrinol Invest** 1983 Jun;6(3):195–8

Thyrotropin releasing hormone and analogues rapidly lose their TRH receptor binding capacities in solution—a discrepancy from degradation. Funatsu K, et al. **Kurume Med J** 1983;30(3):117–9

Extrathyroidal actions of TRH [editorial] **Lancet** 1984 Sep 8;2(8402):560–1

Increase in muscarinic receptors in rat intestine by thyrotropin releasing hormone (TRH). Pirola CJ, et al. **Life Sci** 1984 Apr 23;34(17):1643–9

Thyrotropin releasing hormone (TRH): possible physiological functions not related to the neuroendocrine system. Horita A, et al. **Rev Pure Appl Pharmacol Sci** 1983 Apr–Jun;4(2):111–37 (135 ref.)

Prolactin response to thyrotropin-releasing hormone in children with gynecomastia, premature thelarche and idiopathic precocious puberty. Abe K, et al. **Tohoku J Exp Med** 1984 Mar;142(3):283–8

[Central effect of thyroliberin (TRH)] Pucilowski O, et al. **Psychiatr Pol** 1983;17(1):77–84 **(Pol)**

SECRETION

beta-Neoendorphin inhibits thyrotrophin secretion in rats. Mitsuma T, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):437–42

Release of immunoreactive TRH in serum-free cultures of mouse hypothalamic cells. Loudes C, et al. **Brain Res** 1983 Aug;285(2):231–4

Effects of vasoactive intestinal polypeptide on hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):93–100

Biosynthesis and release of thyrotropin-releasing hormone immunoreactivity in rat pancreatic islets in organ culture. Effects of age, glucose, and streptozotocin. Dolva LO, et al. **J Clin Invest** 1983 Dec;72(6):1867–73

Direct evidence of short-term cold-induced TRH release in the median eminence of unanesthetized rats. Arancibia S, et al. **Neuroendocrinology** 1983 Sep;37(3):225–8

Characterisation of somatostatin and TRH release by rat hypothalamic and cerebral cortical neurons maintained on a capillary membrane perfusion system. Scanlon MF, et al. **Neuroendocrinology** 1983 Oct;37(4):269–74

THERAPEUTIC USE

Protirelin (TRH): a potent neuromodulator with therapeutic potential [editorial] holaday JW, et al. **Arch Intern Med** 1984 Jun;144(6):1138–40

Hypotension produced by platelet-activating factor is reversed by thyrotropin-releasing hormone. Feuerstein G, et al. **Circ Shock** 1984;13(3):255–60

Serum thyrotropin and more accurate diagnosis of 'thyroid hormone resistance' [letter] Lindstedt G, et al. **Clin Chem** 1983 Nov;29(11):1997–9

Prolactin and thyroid-stimulating hormone responses to thyrotropin-releasing hormone in cases of hyperprolactinemia with normal and abnormal sella tomograms. Badawy SZ, et al. **Int J Fertil** 1983;28(4):213–8

Controlled trial of thyrotropin releasing hormone tartrate in ataxia of spinocerebellar degenerations. Sobue I, et al. **J Neurol Sci** 1983 Oct;61(2):235–48

Opiate antagonists and thyrotropin-releasing hormone. II. Potential role in the treatment of central nervous system injury. Faden AI. **JAMA** 1984 Sep 21;252(11):1452–4

Opiate antagonists and thyrotropin-releasing hormone. I. Potential role in the treatment of shock. Faden AI. **JAMA** 1984 Sep 7;252(9):1177–80

Pulmonary effects of thyrotropin-releasing hormone in amyotrophic lateral sclerosis [letter] Braun SR, et al. **Lancet** 1984 Sep 1;2(8401):529–30

Electrical stimulation enhanced recovery of function: how are peptides involved? [letter] Walker JB. **Lancet** 1983 Oct 15;2(8355):912

Anti-anaphylactic action in the mouse of thyrotropin-releasing hormone (TRH) is mediated through beta 1-adrenoceptive effectors. Amir S. **Neurosci Lett** 1984 May 4;46(2):127–30

[Remarkably improved case of anorexia nervosa with TRH therapy] Ichimura K, et al. **Horumon To Rinsho** 1983 Jun; 31 Suppl:33–7 **(Jpn)**

[Endocrine response to thyroliberin administration in duodenal ulcer] Ivanikov IO, et al. **Lab Delo** 1984;(2):94–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Involvement of adrenergic receptor mechanisms within hypothalamus in the fever induced by amphetamine and thyrotropin-releasing hormone in the rat. Chi ML, et al. **J Neural Transm** 1983;58(3–4):213–22

URINE

Urine TRH immunoreactivity in hypothyroid and hyperthyroid patients. Suhonen AS, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):482–6

THYROXINE

Plasmapheresis in thyroxine overdose: a case report. May ME, et al. **J Toxicol Clin Toxicol** 1983 Jul;20(5):517–20

ADMINISTRATION & DOSAGE

Peripheral responses to thyroxine in hypothyroid subjects as a function of dose and duration of substitution. Hylander B, et al. **Acta Med Scand** 1983;214(4):317–23

Thyroxine preparations [letter] **Ann Intern Med** 1984 Jul; 101(1):140–1

Oral thyroxine [letter] Boehler J. **Ann Intern Med** 1984 Oct; 101(4):572–3

Oral thyroxine: variation in biologic action and tablet content. Sawin CT, et al. **Ann Intern Med** 1984 May; 100(5):641–5

Estimation of a physiologic replacement dose of levothyroxine in elderly patients with hypothyroidism. Davis FB, et al. **Arch Intern Med** 1984 Sep;144(9):1752–4

Synergistic effects of insulin and thyroxine on the differentiation and proliferation of epithelial cells of suckling mouse small intestine. Malo C, et al. **Biol Neonate** 1983;44(3):177–84

Plasma noradrenaline and blood pressure in hypothyroid patients: effect of gradual thyroxine treatment. Manhem P, et al. **Clin Endocrinol (Oxf)** 1984 Jun;20(6):701–7

Pilot study on the absolute and relative bioavailability of Synthroid and Levothroid, two brands of sodium levothyroxine. Maxon HR, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Aug;21(8):379–82

Lean body mass is a predictor of the daily requirement for thyroid hormone in older men and women. Cunningham JJ, et al. **J Am Geriatr Soc** 1984 Mar;32(3):204–7

Carnitine metabolism in thyroid hormone treated rats and mice. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):413–28

Effect of oral intake of thyroxine on results of thyroid function tests in patients receiving thyroid replacement therapy. Deam DR, et al. **Med J Aust** 1983 Oct 15; 2(8):374–6

Potency of oral thyroxine preparations. **Med Lett Drugs Ther** 1984 Apr 13;26(659):41

Is it necessary to adjust the replacement dose of thyroid hormone to the season in patients with hypothyroidism? Hamada N, et al. **Metabolism** 1984 Mar;33(3):215–8

Thyroid replacement in thyroparathyroidectomized dogs. Hulter HN, et al. **Miner Electrolyte Metab** 1984; 10(4):228–32

Thyroxine medication [letter] Roberton HE. **NZ Med J** 1983 Oct 12;96(741):775

Management of congenital hypothyroidism. Clark SJ. **West J Med** 1984 Jun;140(6):937–8

Thyroid hormone replacement. Cygan R, et al. **West J Med** 1983 Aug;139(2):232–3

[Posologic equivalents of oral L-thyroxine in thyroid insufficiency (120 cases)] **Ann Med Interne (Paris)** 1983; 134(7):636–42 (Eng. Abstr.) **(Fre)**

[Evaluation of the optimal thyroxine dose with the TRH test for replacement and suppression therapy] Erne P, et al. **Schweiz Med Wochenschr** 1983 Dec 17;113(50):1922–3 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of patients with simple goiter within the scope of a thyroid gland ambulatory care service] Grubeck-Loebenstein B, et al. **Schweiz Med Wochenschr** 1984 May 12;114(19):654–9 (Eng. Abstr.) **(Ger)**

[Parenteral replacement of thyroid hormones] Miyauchi A, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jan 20; 60(1):23–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Hypercalcaemia induced by increased thyroxine substitution in a patient treated with dihydrotachysterol. Hallengren B, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):28–30

Pseudotumor cerebri following treatment of hypothalamic and primary hypothyroidism. Huseman CA, et al. **Am J Dis Child** 1984 Oct;138(10):927–31

IgA deficiency during treatment of infantile hypothyroidism with thyroxine. Seager J. **Br Med J [Clin Res]** 1984 May 26;288(6430):1562–3

Potentiation of oral anticoagulant effect by L-thyroxine. Costigan DC, et al. **Clin Pediatr (Phila)** 1984 Mar; 23(3):172–4

Thyroid-induced psychosis in myxoedema. Schofield A, et al. **Ir Med J** 1983 Dec;76(12):495–6

Thyroxine-induced depressive psychoses (a case report). Rais N, et al. **J Postgrad Med** 1983 Jul;29(3):184–5

[Case of Hashimoto's disease with thyroxine induced allergic hepatitis] Inui A, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1407–13 **(Jpn)**

ANALOGS & DERIVATIVES

Evaluation of N-bromoacetyl-L-thyroxine as an affinity label for the thyroxine (T4)-binding site in human T4-binding globulin. Siegel JS, et al. **Endocrinology** 1983 Dec;113(6):2173–80

Analogue free thyroxine assay as clinical tool [letter] Mardell R, et al. **Lancet** 1984 Jan 28;1(8370):228

ANALYSIS

Tri-iodothyronine and thyroxine in human milk. Jansson L, et al. **Acta Paediatr Scand** 1983 Sep;72(5):703–5

Studies on the accuracy of a quantitative kit radioimmunoassay for free thyroxine. Symons RG, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):280–4

The isolation of identical thyroxine containing amino acid sequences from bovine, ovine and porcine thyroglobulins. Rawitch AB, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):423–9

L-thyroxine and 3,5,3'-triiodo-L-thyronine in rat embryos before onset of fetal thyroid function. Obregon MJ, et al. **Endocrinology** 1984 Jan;114(1):305–7

Morphological study of cellular distribution of T3 and T4 (PAP-method) in peripheral and bone marrow granulated and lymphoid cells of normal and leukemic subjects. Notario A, et al. **Haematologica (Pavia)** 1983 Jul-Aug; 68(4):495–502

Re: Clinical assessment of a radioimmunoassay for free thyroxine using a modified tracer [letter] Bayer MF, et al. **J Nucl Med** 1984 Mar;25(3):402–5

High-performance liquid chromatographic assay for sodium levothyroxine in tablet formulations: content uniformity applications. Garnick RL, et al. **J Pharm Sci** 1984 Jan; 73(1):75–7

Stability-indicating assay, dissolution, and content uniformity of sodium levothyroxine in tablets. Richheimer SL, et al. **J Pharm Sci** 1983 Nov;72(11):1349–51

Potency of levothyroxine products. Stoffer SS, et al. **JAMA** 1984 Feb 3;251(5):635–6

[Comparison of quantity of thyroxine in thyroglobulin and the peptide hormones derived from chromatography and immunoenzyme assay] Lejeune PJ, et al. **C R Seances Acad Sci [III]** 1984;298(15):415–8 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Influence of neonatal endotoxin treatment and hormonal imprinting on thyrotropin-induced thyroxin (T4) production of adult rats. Nagy SU, et al. **Acta Physiol Hung** 1983;62(2):151–3

Metabolic alterations induced by chronic heat exposure in the rat: the involvement of thyroid function. Rousset B, et al. **Pflugers Arch** 1984 May;401(1):64–70

[T4 thyrotoxicosis: increase in the level of production of triiodothyronine (T3) (letter)] Simonin R, et al. **Presse Med** 1983 Sep 10;12(31):1937 **(Fre)**

BLOOD

Nuclear thyroxine and 3,5,3'-triiodothyronine receptors in human mononuclear blood cells during pregnancy. Kvetny J, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):19–23

Treatment of ewes at different stages of pregnancy with epidermal growth factor: effects on wool growth and plasma concentrations of growth hormone, prolactin, placental lactogen and thyroxine and on foetal development. Moore GP, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):558–66

Long-term alprenolol treatment affects serum T4, T3 and rT3 in euthyroid patients with ischaemic heart disease. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Feb; 105(2):190–3

Lowering effect of diphenylhydantoin on serum free thyroxine and thyroxine binding globulin (TBG). Suzuki H, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):477–81

Effects of indomethacin on thyroid iodine metabolism. Targovnik HM, et al. **Acta Physiol Lat Am** 1983; 33(4):327–34

Serum thyroxine values in breast-fed infants [letter] Banagale RC. **Am J Dis Child** 1984 Apr;138(4):410

Hyperthyroxinemia in patients with acute psychiatric disorders [letter] Drucker D. **Am J Med** 1983 Nov; 75(5):A49

Normal serum thyroxine values in patients with acute psychiatric illness. Kramlinger KG, et al. **Am J Med** 1984 May;76(5):799–801

Effect of iron-deficiency anemia on hormone levels and thermoregulation during cold exposure. Beard J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R114–9

Effect of prednisone on thyroid gland morphology and plasma thyroxine and triiodothyronine concentrations in the dog. Woltz HH, et al. **Am J Vet Res** 1983 Nov; 44(11):2000–3

Serum free thyroxine concentrations in subjects with high circulating levels of thyroxine-binding globulin. Ashwell K, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):285–8

Fenclofenac and thyroid function tests. John R, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):381–2

Thyroxine and thyroxine-binding globulin: discriminant formulae for the separation of the diagnostic classes of thyroid function. Noe DA. **Ann Clin Biochem** 1984 Jan;21 (Pt 1):40–2

Serum angiotensin-converting enzyme in severe nonthyroidal illnesses associated with low serum thyroxine concentration. Brent GA, et al. **Ann Intern Med** 1984 May; 100(5):680–3

Ratio of serum triiodothyronine to thyroxine and the prognosis of triiodothyronine-predominant Graves' disease. Takamatsu J, et al. **Ann Intern Med** 1984 Mar; 100(3):372–5

Thyroid hormones in vitamin A-deficient rats: effect of retinoic acid supplementation. Garcin H, et al. **Ann Nutr Metab** 1983;27(6):495–500

Radioimmunoassay of triiodothyronine (T3) and thyroxine (T4). An assay with both the bound and free fraction of the hormone present in the counting vessel. Eriksson H, et al. **Appl Biochem Biotechnol** 1983 Feb;8(1):1–7

Serum thyroxine and thyroid stimulating hormone values in unreferred children with short stature. Vimpani GV, et al. **Arch Dis Child** 1983 Sep;58(9):742–3

Propranolol-induced hyperthyroxinemia. Mooradian A, et al. **Arch Intern Med** 1983 Nov;143(11):2193–5

Thyroid activity in cigarette smokers. Sepkovic DW, et al. **Arch Intern Med** 1984 Mar;144(3):501–3

Endocrine reactivity (T3, T4, cortisol) during cold exposure in preterm and full-term lambs. Cabello G. **Biol Neonate** 1983;44(4):224–33

Effects of reproductive state on concentrations of thyroxine, 3,5,3'-triiodothyronine and cortisol in serum of dogs. Reimers TJ, et al. **Biol Reprod** 1984 Aug;31(1):148–54

Reduced serum free thyroxine concentration in postmenopausal women receiving oestrogen treatment. Abdalla HI, et al. **Br Med J [Clin Res]** 1984 Mar 10; 288(6419):754–5

Propranolol and hyperthyroidism: sequential changes in serum iodothyronine (T4, T3, rT3) concentrations during therapy until clinical remission. Pinho MO, et al. **Braz J Med Biol Res** 1983 Jul;16(2):111–7

Decreased plasma testosterone and total thyroxine in desalivated male rats. Dean DH, et al. **Can J Physiol Pharmacol** 1984 May;62(5):565–8

Factitiously low values for free thyroxine with analogue methods [letter] Sorisky A, et al. **Can Med Assoc J** 1984 Apr 15;130(8):970, 972

Preliminary observations on thyroxin, insulin and cortisol reactions following trauma. Liu Y, et al. **Chin Med J [Engl]** 1983 Aug;96(8):634–7

Clinical value of free-thyroxin measurements. Braun BE, et al. **Clin Chem** 1983 Dec;29(12):2057–60

Meaning of serum free-thyroxin values in nonthyroidal illnesses: seven methods compared. Chan DW, et al. **Clin Chem** 1983 Dec;29(12):2091–3

Interpretation of labeled-analog free hormone assay [letter] Ekins R, et al. **Clin Chem** 1984 Mar;30(3):491–3

Free thyroxin index and direct measurements of free thyroxin compared for evaluating postpartum autoimmune thyroid dysfunction. Jansson R, et al. **Clin Chem** 1984 Jun; 30(6):903–5

Theoretical consideration of the effects of dilution on estimates of free thyroid hormones in serum. Kamikubo K, et al. **Clin Chem** 1984 May;30(5):634–6

Free thyroxin by radioimmunoassay: evaluation of a new direct method involving a radiolabeled thyroxin analog. Kubasik NP, et al. **Clin Chem** 1983 Oct;29(10):1781–6

Discrepancies between serum free triiodothyronine and free thyroxin as measured by equilibrium dialysis and analog radioimmunoassay in nonthyroidal illnesses. Liewendahl K, et al. **Clin Chem** 1984 May;30(5):760–2

Effect of albumin concentration on equilibrium radioimmunoassay of serum free thyroxin with labeled thyroxin analog (Amerlex free T4) [letter] Midgley JE, et al. **Clin Chem** 1983 Oct;29(10):1861–3

Isotope dilution--mass spectrometry of thyroxin proposed as a reference method. Möller B, et al. **Clin Chem** 1983 Dec;29(12):2106–10

Value of measuring free triiodothyronine and free thyroxin in serum in detection of hypothyroidism [letter] Norman RJ, et al. **Clin Chem** 1984 Jan;30(1):169–70

Effect of albumin on results of analog-type assays for thyroxin [letter] Ooi DS, et al. **Clin Chem** 1984 Jun; 30(6):1109–10

Effect of isolated decreases in albumin and prealbumin on radioimmunoassay results for free thyroxin in nonthyroidal illnesses [letter] Ordóñez-Llanos J, et al. **Clin Chem** 1984 Mar;30(3):496–8

Familial dysalbuminemic hyperthyroxinemia: a study of four probands and the kindred of three. Scottolini AG, et al. **Clin Chem** 1984 Jul;30(7):1179–81

Measurement of free thyroxin in patients with familial dysalbuminemic hyperthyroxinemia [letter] Shah VD, et al. **Clin Chem** 1984 Apr;30(4):579

Determination of free thyroxin and triiodothyronine in 'subclinical' hypothyroidism and hyperthyroidism [letter] Vierhapper H, et al. **Clin Chem** 1984 Mar;30(3):500–1

Clinical evaluation of two direct procedures for free thyroxin, and of free thyroxin index determined nonisotopically and by measuring thyroxin-binding globulin. Waud JM, et al. **Clin Chem** 1983 Nov;29(11):1908–11

Estimation of free thyroxin with a new thyroxin analog and a porous-glass solid phase. Witherspoon LR, et al. **Clin Chem** 1984 May;30(5):778–81

Progress report on a national quality-control survey of triiodothyronine and thyroxin assay. Zucchelli GC, et al. **Clin Chem** 1984 Mar;30(3):395–8

Effect of heparin on serum free thyroxine linked to post-heparin lipolytic activity. Bayer MF. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):591–6

Primary hypothyroidism with grossly elevated plasma total thyroxine and triiodothyronine levels. Beckett GJ, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):295–303

Circannual rhythms of plasma growth hormone, thyrotropin and thyroid hormones in prepuberty. Bellastella A, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):531–7

Measurement of free thyroxine and free triiodothyronine in asymptomatic subjects with high concentrations of serum TSH and a history of radioiodine therapy. Franklyn JA, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):527–30

Measurement of free thyroxine and free triiodothyronine in thyrotoxicosis and hypothyroidism. Franklyn JA, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):107–10

Endogenous cortisol and thyroid hormone levels in patients with acute myocardial infarction. Kahana L, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):131–9

Serum thyroxine, triiodothyronine, and TSH levels and TSH release after TRH in aging male and female rats. Greeley GH Jr, et al. **Endocr Res Commun** 1982–83;9(3–4):169–77

Low serum thyroxine and high serum triiodothyronine in nephrotic rats: etiology and implications for bioavailability of protein-bound hormone. Glass AR, et al. **Endocrinology** 1984 May;114(5):1745-53

Development-associated changes in thyroxine kinetics in juvenile salmon. Specker JL, et al. **Endocrinology** 1984 Jul; 115(1):399-406

Evaluation of radioimmunoassay and radiocompetition methods of thyroxine estimation in blood serum of farm animals. Bobek S, et al. **Endokrynol Pol** 1983;34(3):205-15

Familial dysalbuminemic hyperthyroxinemia (FDH): inadequacy of the 'analog' methods for assaying free-T4 levels. De Nayer P, et al. **Eur J Nucl Med** 1984;9(6):284-5

Serum free thyroxine: calculated and measured values [letter] Wiener JD. **Eur J Nucl Med** 1984;9(3):147-8

Relationship of thyroid hormone patterns to survival in canine hemorrhagic shock. Vitek V, et al. **Eur Surg Res** 1984;16(2):89-98

Serum cholesterol and thyroxine in young women during mental stress. Kirkeby OJ, et al. **Exp Clin Endocrinol** 1984 May;83(3):361-3

Evaluation of plasma iodothyronines in various stages of pregnancy. Rastelli D, et al. **Exp Clin Endocrinol** 1984 Mar; 83(1):58-62

Genetic analysis of serum thyroxine content and audiogenic seizures in recombinant inbred and congenic strains of mice. Seyfried TN, et al. **Exp Neurol** 1984 Feb;83(2):423-8

Free thyroxine in myocardial infarction. Kirkeby OJ, et al. **Experientia** 1984 Jan 15;40(1):103-4

Respective roles of circulating T4 and T3 in control of TSH secretion in severely iodide-deficient rats. Rognoni JB, et al. **Experientia** 1984 Feb 15;40(2):215-7

Plasma levels on thyroid hormones in sockeye salmon (Oncorhynchus nerka) decrease before spawning. Biddiscombe S, et al. **Gen Comp Endocrinol** 1983 Dec; 52(3):467-70

Plasma thyroxine levels in freshwater perch: influence of season, gonadotropins, and gonadal hormones. Chakraborti P, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):179-86

Effects of TRH, bovine TSH, and pituitary extracts on thyroidal T4 release in Ambystoma mexicanum. Darras VM, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):286-91

Thyroid hormone levels in an egg-laying mammal, the platypus Ornithorhynchus anatinus. Hulbert AJ, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):401-5

Annual variations in the plasma thyroxine level in Microcebus murinus. Petter-Rousseaux A. **Gen Comp Endocrinol** 1984 Sep;55(3):405-9

Thyroid hormone changes in the bobwhite (Colinus virginianus) after hatching. Spiers DE, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):302-8

Hypothalamo-adenohypophyseal-thyroid interrelationships in the chick embryo. V. The effects of thyroidectomy on T4 levels in blood plasma. Thommes RC, et al. **Gen Comp Endocrinol** 1984 May;54(2):324-7

Changes in serum concentrations of steroid hormones, thyroxine, and vitellogenin during spawning migration the chum salmon, Oncorhynchus keta. Ueda H, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):203-11

Hypothalamo-adenohypophyseal-thyroid and gonadal interrelationship in the chick embryo. I. Differential effect of ectopic pituitary grafts on plasma total T4 and testosterone levels. Woods JE, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):357-64

Effect of the dw gene on growth, plasma hormone concentrations and hepatic enzyme activity in a randombred population of chickens. Stewart PA, et al. **Growth** 1984 Spring;48(1):59-73

Direct assay of free thyroxine in the newborn. Zumsteg U, et al. **Helv Paediatr Acta** 1984 Mar;39(1):71-8

Variations in circulating thyroxine and triiodothyronine concentration in relation to spring migration in rosy pastor, Sturnus roseus. Pathak VK, et al. **Horm Behav** 1984 Jun; 18(2):111-6

Increase in plasma concentrations of 3,5,3'-triiodothyronine and thyroxine after a meal, and its dependence on energy intake. Dauncey MJ, et al. **Horm Metab Res** 1983 Oct; 15(10):499-502

Hormonal regulation of plasma thyroxine level in a murrel Channa punctatus (Bloch). Jamaluddin M, et al. **Indian J Exp Biol** 1983 Jul;21(7):386-9

Thyroid hormones in liver diseases. Sharma MP, et al. **Indian J Med Res** 1983 Sep;78:384-7

The influence of natural short photoperiodic and temperature conditions on plasma thyroid hormones and cholesterol in male Syrian hamsters. Vaughan MK, et al. **Int J Biometeorol** 1984 Jul;28(3):201-10

Serum thyroxine and triiodothyronine concentrations in canine pyoderma. Slade EA, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):216-8

Expression of the cardiac ventricular alpha- and beta-myosin heavy chain genes is developmentally and hormonally regulated. Lompré AM, et al. **J Biol Chem** 1984 May 25; 259(10):6437-46

Evaluation of free thyroxine methods in the presence of iodothyronine-binding autoantibodies. Beck-Peccoz P, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):736-9

Red blood cell thyroxine in nonthyroid illness and in heparin-treated patients. Mendel CM, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1117-24

Thyroxine distribution and metabolism in familial dysalbuminemic hyperthyroxinemia. Mendel CM, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):499-504

Effect of chloride on serum thyroxine binding in familial dysalbuminemic hyperthyroxinemia. Rajatanavin R, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):388-91

Appearance of labeled metabolites in the serum of man after the administration of labeled thyroxine, triiodothyronine (T3), and reverse triiodothyronine (rT3). Rudolph M, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):923-8

High concentrations of furosemide inhibit serum binding of thyroxine. Stockigt JR, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):62-6

Relation of plasma thyroxine and triiodothyronine to body weight in growing male and female Holstein cattle. Kahl S, et al. **J Dairy Sci** 1983 Nov;66(11):2386-90

Morphological development of the thyroid gland and serum T4-concentration in the intact and decapitated pig fetus. Fentener van Vlissingen JM, et al. **J Dev Physiol** 1983 Dec; 5(6):361-71

Effects of hysterectomy and in-vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Bíró J, et al. **J Endocrinol** 1984 Jun;101(3):243-8

Thyroxine binding and cellular metabolism of thyroxine in mononuclear blood cells from patients with anorexia nervosa. Kvetny J. **J Endocrinol** 1983 Sep;98(3):343-50

Changes in the concentration of thyroxine in the plasma of rat fetuses during late gestation: influence of ligation of the maternal uterine vein and artery. Wrutniak C, et al. **J Endocrinol** 1983 Nov;99(2):233-8

Euthyroid hyperthyroxinemia. Rajatanavin R, et al. **J Endocrinol Invest** 1983 Dec;6(6):493-505 (142 ref.)

Syndrome of persisting thyroid stimulating immunoglobulins and growth promotion of goiter combined with low thyroxine and high triiodothyronine serum levels in drug treated Graves' disease. Wenzel KW, et al. **J Endocrinol Invest** 1983 Oct;6(5):389-94

Case report: familial dysalbuminemic hyperthyroxinemia--a variant. Goldman MH, et al. **J Med Soc NJ** 1984 May; 81(5):404-5

Discrimination power of the combined measurements of free thyroxine and free triiodothyronine concentration in the evaluation of thyroid function. Broeckaert I, et al. **J Nucl Med Allied Sci** 1983 Oct-Dec;27(4):291-6

Temporal effect of change in diet composition on plasma estradiol and thyroxine concentrations and hepatic lipogenesis in laying hens. Akiba Y, et al. **J Nutr** 1983 Oct; 113(10):2078-84

Low serum thyroxine concentrations in babies with galactosemia. Berger HM, et al. **J Pediatr** 1983 Dec; 103(6):930-2

Longitudinal study of free thyroxine in low-birth-weight infants by paper disk method. Sakaguchi M, et al. **J Pediatr** 1983 Nov;103(5):793-6

Elevation of the free thyroxine index in psychiatric patients. Caplan RH, et al. **J Psychiatr Res** 1982-83;17(3):267-74

Circulating thyroid hormone changes in acute trauma: prognostic implications for clinical outcome. Phillips RH, et al. **J Trauma** 1984 Feb;24(2):116-9

Alterations of serum reverse triiodothyronine and thyroxine kinetics in chronic renal failure: role of nutritional status, chronic illness, uremia, and hemodialysis. Kaptein EM, et al. **Kidney Int [Suppl]** 1983 Dec;16:S180-6

Euthyroid sick syndrome and free thyroxine assay [letter] **Lancet** 1983 Oct 8;2(8354):855-6

Labelled analogue 'free' thyroxine assays: the unanswered questions [letter] Ekins R. **Lancet** 1983 Nov 19;2(8360):1196

Influence of ACTH on serum hormone content and its anticonvulsant action towards infantile spasms. Izumi T, et al. **Life Sci** 1984 Mar 12;34(11):1023-8

Coincidence of counter-antigonadal and counter-antithyroid action of melatonin administration via the drinking water in male golden hamsters. Vriend J, et al. **Life Sci** 1984 Feb 13;34(7):617-23

Hyperthyroxinaemia in thyroxine-treated patients [editorial] Murphy LJ, et al. **Med J Aust** 1983 Oct 15;2(8):358-9

T4 levels in methylxanthine-treated premature newborns. Sourgens H, et al. **Pediatr Pharmacol (New York)** 1983; 3(3-4):267-72

Effect of caffeine on thyroid and pituitary function in newborn rats. Clozel M, et al. **Pediatr Res** 1983 Jul; 17(7):592-5

Serum calcitonin, calcium and thyroxine in young and old Zucker fatty rats (fa/fa). Flynn JJ, et al. **Physiol Behav** 1983 Jul;31(1):79-84

High serum thyroxine-binding globulin--an important cause of hyperthyroxinaemia. Leahy BC, et al. **Postgrad Med J** 1984 May;60(703):324-7

Growth hormone, thyroxine, and triiodothyronine levels of Japanese quail selected for four-week body weight. Burke WH, et al. **Poult Sci** 1984 Feb;63(2):207-13

Bursectomy and its influence on circulating corticosterone, triiodothyronine, and thyroxine in immature male chickens. Mashaly MM. **Poult Sci** 1984 Apr;63(4):798-800

Effects of dietary thyroid hormones on growth and serum T3, T4, and growth hormone in sex-linked dwarf chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1984 Oct; 177(1):77-81

Nuclear specific thyroxine binding in human mononuclear blood cells. Kvetny J. **Scand J Clin Lab Invest** 1983 Nov; 43(7):629-36

Factors influencing serum free T4 in 70-year-old men. Implications for reference intervals in the elderly. Lindstedt G, et al. **Scand J Clin Lab Invest** 1983 Sep;43(5):401-13

Effect of heparin in vivo on the in vitro assay of free thyroxine. Lindstedt G, et al. **Scand J Clin Lab Invest** 1983 Nov;43(7):643-6

Serum triiodothyronine, reverse triiodothyronine, thyroxine, thyrotropin, free thyroxine index and TRH test in diabetes mellitus. Shin SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):947-57

Effect of short-term ozone exposure on exogenous thyroxine levels in thyroidectomized and hypophysectomized rats. Clemons GK, et al. **Toxicol Appl Pharmacol** 1984 Jun 15; 74(1):86-90

Effect of thyroidectomy and thyroxine on 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) induced toxicity. Rozman K, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):372-6

Magnetic antibody immunoassay thyroid function tests in general practice. Donne CS, et al. **Vet Rec** 1984 Jul 28; 115(4):79-83

Insulin, thyroxine and glucose in plasma of suckling lambs on low and high fat milk diet. Koppel J, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Aug;50(3):101-6

[Changes in serum levels of T4, T3 and TSH in TRH stimulation test among normal adults] Liu GZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):290-4 (Eng. Abstr.) (Chi)

[Determination of the levels of thyroxine, triiodothyronine and reverse triiodothyronine in heart disease] Límanová Z, et al. **Vnitr Lek** 1983 Oct;29(10):993-1002 (Eng. Abstr.) (Cze)

[Peripheral thyroxine resistance--pseudohyperthyroidism] Kvetny J. **Ugeskr Laeger** 1983 Aug 1;145(31):2370-2 (Eng. Abstr.) (Dan)

[Role of blood thyroxine levels in the regulation of the annual cycle of body weight in the adult male badger (Meles meles L.)] Maurel D, et al. **C R Seances Acad Sci [III]** 1983; 296(14):651-4 (Eng. Abstr.) (Fre)

[Assay of the free fraction of thyroxine. Its role in the study of thyroid function] Jallet P, et al. **Presse Med** 1984 Feb 4;13(4):205-8 (Eng. Abstr.) (Fre)

[T3-T4 magic formula (letter)] Mahoudeau JA. **Presse Med** 1984 Mar 3;13(9):563-4 (Fre)

[Fruste form of hyperthyroidism manifested by auricular arrhythmia. Importance of the assay of the free fraction of thyroxine (FT4) and the role of the TRH test] Rohmer V, et al. **Presse Med** 1984 Jan 28;13(3):145-8 (Eng. Abstr.) (Fre)

[The problem of direct FT4-determination in serum. Comparison of methods in changed binding behavior during pregnancy] Hengst K, et al. **Med Welt** 1984 Feb 3;35(5):146-50 (Ger)

[Free thyroxine in routine diagnosis] Kahn P, et al. **Nuklearmedizin** 1984 Apr;23(2):101-5 (Eng. Abstr.) (Ger)

[Direct and indirect parameters of free thyroxine. I. Method, quality control and in vitro experiments on storage of samples and effect of drugs] Reiners C, et al. **Nuklearmedizin** 1983 Dec;22(6):263-72 (Eng. Abstr.) (Ger)

[Direct and indirect parameters for free thyroxine. II. Diagnostic accuracy in disorders of thyroid function and binding protein anomalies] Reiners C, et al. **Nuklearmedizin** 1983 Dec;22(6):273-87 (Eng. Abstr.) (Ger)

[Thyroid gland parameters of healthy euthyroid children from 10 to 16 years of age] Brendel B, et al. **Padiatr Grenzgeb** 1984;23(2):93-8 (Eng. Abstr.) (Ger)

[Free thyroxin as a determinant for thyroid function. Evaluation of direct determination of fT4 compared to the oral TRH test] Zemp A, et al. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):406-11 (Eng. Abstr.) (Ger)

[Hyperthyroxinemia (editorial)] Golik A, et al. **Harefuah** 1984 Feb 1;106(3):135-7 (Heb)

[Hyperthyroidism with normal total thyroxine and triiodothyronine levels] Földes I, et al. **Orv Hetil** 1984 Jun 3;125(23):1399-401 (Eng. Abstr.) (Hun)

[Hormonal variations after partial resection of the thyroid. Preliminary note] Francomano F, et al. **Ann Ital Chir** 1983; 55(3):285-93 (Eng. Abstr.) (Ita)

[Time structure of endocrine secretion. II. Circannual variations in the free fractions of tri- and tetraiodothyronine, cortisol, human growth hormone and plasma insulin in healthy subjects] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1243-7 (Eng. Abstr.) (Ita)

[Serum free thyroxine in thyroid diseases, with special reference to Graves' disease during the treatment] Bannai C, et al. **Horumon To Rinsho** 1983 Nov;31(11):1107-12 (Jpn)

[Experimental and clinical evaluation of Amerlex Free T4 RIA Kit] Harada Y, et al. **Horumon To Rinsho** 1983 Jul; 31(7):675-9 (Jpn)

[Immophase single step F-T4 radioimmunoassay kit] Harada Y, et al. **Horumon To Rinsho** 1983 Oct;31(10):1023-8 (Jpn)

[Congenital cytomegalic inclusion disease that failed transiently to respond to thyroid hormones] Hirano T, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:82-4 (Jpn)

[Free thyroxine estimation for screening of hyper- and hypothyroidism in an adult population] Fukazawa H, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Feb 20;

60(2):91–100 (Eng. Abstr.) (Jpn)
[Evaluation on the interaction between thyroxine binding globulin (TBG) and thyroxine (T4) in healthy subjects and pregnant women] Sakata S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Sep 20;59(9):1256–64 (Eng. Abstr.) (Jpn)
[Changes of serum 3,5,3'-triiodothyronine (T3), thyroxine (T4), 3,3',5'-triiodothyronine (rT3) levels in patients with liver diseases. One marker for hepatic microsomal function] Yamaba Y. **Nippon Shokakibyo Gakkai Zasshi** 1984 May; 81(5):1214–22 (Eng. Abstr.) (Jpn)
[Experimental studies of GammaCoat T3 and T4 RIA kit] Kanamori I, et al. **Radioisotopes** 1983 Oct;32(10):502–5 (Jpn)
[Relation between the summation of scores of FT4, FT3I and TSH and TRH responses in patients with hyperthyroidism] Kurihara S, et al. **Radioisotopes** 1983 Jul; 32(7):336–9 (Jpn)
[Determination of thyroxine in serum by Magic-T4 kit] Ogasawara M, et al. **Radioisotopes** 1984 May;33(5):299–302 (Jpn)
[Normal values for serum thyroid hormone concentrations in breast feeding mothers] Kawashima M, et al. **Rinsho Byori** 1983 Oct;31(10):1107–10 (Jpn)
[Radioimmunoassay of free thyroxine using a T4–analog—the effect of serum albumin] Nishi K, et al. **Rinsho Byori** 1983 Sep;31(9):1035–9 (Jpn)
[Clinical usefulness of various indicators of triiodothyronine and thyroxine levels for the differential diagnosis of euthyroidism and hyperthyroidism] Zaorska–Rajca J, et al. **Endokrynol Pol** 1984;35(2):79–85 (Eng. Abstr.) (Pol)
[T4 thyrotoxicosis] Barańska H, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):293–4 (Eng. Abstr.) (Pol)
[Changes in serum thyroxine and triiodothyronine concentrations in patients with autonomic 'hot' thyroid nodules] Górowski T, et al. **Pol Tyg Lek** 1983 Oct 3; 38(40):1241–4 (Eng. Abstr.) (Pol)
[Diurnal changes in serum thyroxine and triiodothyronine concentrations in patients with autonomous 'hot' thyroid nodules] Górowski T, et al. **Pol Tyg Lek** 1984 Feb 27; 39(9):277–80 (Eng. Abstr.) (Pol)
[Relation between thyroid hormone concentration of the blood and the blood collection site and circulatory status] Lada W, et al. **Wiad Lek** 1983 Oct 15;36(20):1667–74 (Eng. Abstr.) (Pol)
[Changes in serum thyroxine (T4) and triiodothyronine (T3) levels after surgery on patients with diseases of the thyroid gland] Vulchev D, et al. **Khirurgiia (Sofiia)** 1983; 36(6):532–5 (Rus)
[Systemic evaluation of thyroid function in women and men from radioimmunoassay data] Morozov SL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):48–52 (Eng. Abstr.) (Rus)
[Effect of nicotinic acid on the changes in hormone levels in burns] Baluda VP, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):36–8 (Eng. Abstr.) (Rus)
[Hormonal activity and morphological changes in the thyroid gland in toxic goiter] Krivitskii DI. **Vestn Khir** 1983 Oct; 131(10):6–9 (Eng. Abstr.) (Rus)
[Thyroid activity in patients with thyroid neoplasms] Demidov VP, et al. **Vopr Onkol** 1983;29(11):27–32 (Eng. Abstr.) (Rus)
[Hashimoto's thyroiditis: clinical, hormonal and serological review of 60 adult patients] Cabrer J, et al. **Med Clin (Barc)** 1984 May 12;82(18):785–8 (Eng. Abstr.) (Spa)
[Tertiary hypothyroidism in idiopathic and acquired adeno–pituitary insufficiency] Pavía C, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):801–4 (Eng. Abstr.) (Spa)
[Hyperthyroxinemia in trophoblastic disease] Caro C, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):197–200 (Eng. Abstr.) (Spa)
[The low T3–T4–TSH 'syndrome': a multifactorial association] Arteaga E, et al. **Rev Med Chil** 1983 Feb; 111(2):169–74 (Eng. Abstr.) (Spa)

DEFICIENCY

Peripheral tissue mechanism for maintenance of serum triiodothyronine values in a thyroxine–deficient state in man. Lum SM, et al. **J Clin Invest** 1984 Feb;73(2):570–5

DIAGNOSTIC USE

[Comparison between the intravenous TRH–test and the T4–thyroid suppression test for the diagnosis of borderline hyperthyroidism] Müller–Brand J, et al. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1668–71 (Eng. Abstr.) (Ger)

HISTORY

Landmark article, June 19, 1915. The isolation in crystalline form of the compound containing iodin, which occurs in the thyroid. Its chemical nature and physiologic activity. By E.C. Kendall. **JAMA** 1983 Oct 21;250(15):2045–6
The isolation of thyroxine (Edward C Kendall). Nusynowitz ML. **JAMA** 1983 Oct 21;250(15):2047–8

IMMUNOLOGY

Exposure of thyroxine residues in human thyroglobulin. Two–site binding studies. Byfield PG, et al. **Biochem J** 1984 Apr 15;219(2):405–10
Prevalence of serum autoantibody binding of Amerlex thyroxin analog [letter] Fielding AM. **Clin Chem** 1984 Mar; 30(3):501–2
Circulating immunoglobulin E (IgE) antibodies to L–thyroxine in a euthyroid patient with multinodular goiter and allergic rhinitis. Benvenga S, et al. **J Endocrinol Invest** 1984 Feb;7(1):47–50
[T3– and T4–antibodies in serum: screening and specific determination methods] Grebe SF. **Nuklearmedizin** 1983 Aug;22(4):192–5 (Eng. Abstr.) (Ger)
[Mechanisms of the effect of exogenous thyroxine on the regulation of the immune response in mice] Kevorkov NN, et al. **Probl Endokrinol (Mosk)** 1984 Jul–Aug;30(4):52–6 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Separation of bound and free ligand by ethacridine (Rivanol) in thyroxin radioimmunoassay. Bhupal V, et al. **Clin Chem** 1983 Nov;29(11):1937–40
Evaluation of an immunoextraction procedure for the estimation of free thyroxine concentration. Witherspoon LR, et al. **J Nucl Med** 1984 Feb;25(2):188–96

METABOLISM

Metabolism of thyroid hormones in isolated rat hepatocytes: studies on the influences of carbamazepine and phenytoin. Aanderud S, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):479–84
Uptake, metabolism and subcellular distribution of [125I]T4 in calf thyroid slices. Chazenbalk GD, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):341–9
The effect of D,L–4–hydroxypropranolol on the thyroxine to 3,5,3'–triiodothyronine conversion in rat renal and liver microsomes. Jørgensen PH, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):205–10
Effects of intrathyroidal metabolism of thyroxine on thyroid hormone secretion: increased degradation of thyroxine in mouse thyroids stimulated chronically with thyrotrophin. Kubota K, et al. **Acta Endocrinol (Copenh)** 1984 Jan; 105(1):57–65
Decreased T4 to T3 conversion in tissues of streptozotocin–diabetic rats. Ortiz–Caro J, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):86–91
Effects of sodium ipodate and propylthiouracil in athyreotic human subjects, role of triiodothyronine and pituitary thyroxine monodeiodination in thyrotrophin regulation. Schaison G, et al. **Acta Endocrinol (Copenh)** 1984 Jul; 106(3):338–45
Preliminary study on the effect of temperature on the transport of thyroxine (T4) into the body tissues and sub–cellular fractions of liver and muscle of carp, Cyprinus carpio. Lone KP, et al. **Acta Physiol Lat Am** 1983; 33(2):149–60
Ipsilateral thyroid growth and depressed thyroid hormone synthesis and content after unilateral superior cervical ganglionectomy in rats. Pisarev MA, et al. **Acta Physiol Lat Am** 1983;33(2):164–70
Inner ring deiodination of thyroxine and 3,5,3'–triiodothyronine by human fetal membranes. Roti E, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):788–92
A high affinity thyroid hormone binding protein in the cytosol of embryonic rat brain cells in primary cultures. Lennon AM, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):901–8
Does amiodarone affect heart rate by inhibiting the intracellular generation of triiodothyronine from thyroxine? Lindenmeyer M, et al. **Br J Pharmacol** 1984 May; 82(1):275–80
Uptake and metabolism of thyroid hormones by the rat foetus in early pregnancy. Woods RJ, et al. **Clin Sci** 1984 Sep; 67(3):359–63
Structure–function relationship in thyroglobulin: amino acid sequence of two different thyroxine–containing peptides from porcine thyroglobulin. Marriq C, et al. **EMBO J** 1982; 1(4):397–401
The deiodination of the iodothyronines and of their derivatives in man. Engler D, et al. **Endocr Rev** 1984 Spring;5(2):151–84 (305 ref.)
Monodeiodination of thyroxine to 3, 5, 3'–triiodothyronine and to 3, 3', 5'–triiodothyronine in isolated dog renal cortical tubuli. Yoshida K, et al. **Endocrinol Jpn** 1983 Apr; 30(2):211–7
Effect of 3,5,3'–triiodothyronine–induced hyperthyroidism on iodothyronine metabolism in the rat: evidence for tissue differences in metabolic responses. Chopra IJ, et al. **Endocrinology** 1984 Apr;114(4):1454–9
The effect of Streptococcus pneumoniae infection on the binding of thyroxine to purified rat liver plasma membranes. Little JS. **Endocrinology** 1984 Feb;114(2):411–7
Evaluation of N–bromoacetyl–L–thyroxine as an affinity label for the thyroxine (T4)–binding site in human T4–binding globulin. Siegel JS, et al. **Endocrinology** 1983 Dec;113(6):2173–80
The effects of amiodarone on serum thyroid hormones and hepatic thyroxine 5'–monodeiodination in rats. Sogol PB, et al. **Endocrinology** 1983 Oct;113(4):1464–9
The contribution of local thyroxine monodeiodination to intracellular 3,5, 3'–triiodothyronine in several tissues of hyperthyroid rats at isotopic equilibrium. van Doorn J, et al. **Endocrinology** 1984 Jul;115(1):174–82
Phenolic and tyrosyl ring deiodination in thyroxine from rat retina during postnatal development. Ientile R, et al. **Eur J Biochem** 1984 Jul 2;142(1):15–9
Thyroid hormone binding to adult rat alveolar type II cells. An autoradiographic study. Smith DM, et al. **Exp Lung Res** 1983 Sep;5(2):141–53
Studies on the conversion of thyroxine to 3,5,3'–triiodothyronine in normal and thyroidectomized chickens. Rudas P, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):154–61
Age–related alterations in thyroid hormone binding properties of porcine skeletal muscle cytosol. Wilson DB, et al. **J Anim Sci** 1983 Dec;57(6):1449–55
Interactions of the nuclear thyroid hormone receptor with core histones. Apriletti JW, et al. **J Biol Chem** 1984 Sep 10;259(17):10941–8
Comparison of plasma and urinary methods for the direct measurement of the thyroxine to 3,5,3' – triiodothyronine conversion rate in man. Bianchi R, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):993–1002
A new case of familial partial generalized resistance to thyroid hormones: study of 3,5,3'–triiodothyronine (T3) binding to lymphocyte and skin fibroblast nuclei and in vivo conversion of thyroxine to T3. Gheri RG, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):563–9
L–thyroxine absorption in patients with short bowel. Stone E, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):139–41
Formation of diiodotyrosine from thyroxine. Ether–link cleavage, an alternate pathway of thyroxine metabolism. Balsam A, et al. **J Clin Invest** 1983 Oct;72(4):1234–45
Preferential release of triiodothyronine: an intrathyroidal adaptation to reduced serum thyroxine in aging rats. Pekary AE, et al. **J Gerontol** 1983 Nov;38(6):653–9
Hepatic conversion of thyroxine to triiodothyronine in obese and lean Zucker rats. Young RA, et al. **Life Sci** 1984 Apr 30;34(18):1783–90
Thyroxine, 3,5,3' –triiodothyronine and 3,3', 5' –triiodothyronine in human amniotic fluid: relationships between concentrations and turnover. Cooper E, et al. **Med Hypotheses** 1983 Oct;12(2):113–24
Characterization of nuclear triiodothyronine (T3) and tetraiodothyronine (T4) binding in developing brain tissue. Margarity M, et al. **Mol Cell Endocrinol** 1983 Aug; 31(2–3):333–51
Maturational changes in the regulatory mechanisms of hepatic thyroxine 5'–monodeiodination in growing rats. Sato T, et al. **Pediatr Res** 1983 Jul;17(7):562–6
Thyroxine metabolism in cultured cells derived from fetal rat lung. Segall–Blank M, et al. **Pediatr Res** 1983 Jul; 17(7):596–601
Thyroid hormone metabolism after acclimatization to warm or cold temperature under conditions of high or low energy intake. Macari M, et al. **Q J Exp Physiol** 1983 Oct; 68(4):709–18
Monodeiodination of thyroxine in the maternal and fetal dog kidneys and placenta. Suzuki M, et al. **Tohoku J Exp Med** 1984 Mar;142(3):313–20
Monodeiodination of thyroxine to 3,3',5'–triiodothyronine in the human placenta. Suzuki M, et al. **Tohoku J Exp Med** 1983 Jul;140(3):311–8
[Thyroxine deiodination in the fetus] Sugimoto M. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2321–9 (Eng. Abstr.) (Jpn)
[Thyroid hormone–binding cytosol proteins in the rat liver. II. Effect of various factors on hormone binding] Bardowska U, et al. **Endokrynol Pol** 1983;34(2):103–13 (Eng. Abstr.) (Pol)
[Thyroid hormone–binding cytosol proteins in the rat liver. I. Study of molecular properties] Bardowska U, et al. **Endokrynol Pol** 1983;34(2):95–102 (Eng. Abstr.) (Pol)
[Thyroxine (T4) to 3,5,3'–triiodothyronine (T3) and 3,3',5'–triiodothyronine (reverse T3) conversion in human leukocyte suspensions. Study in hyper and hypothyroidism states] Bianco AC, et al. **Rev Paul Med** 1984 Mar–Apr; 102(2):61–4 (Eng. Abstr.) (Por)
[Age characteristics of the interaction between fluorescent probes and thyroxine with the membranes of rat liver microsomes] Lemeshko VV. **Biofizika** 1983 Nov–Dec; 28(6):985–9 (Eng. Abstr.) (Rus)
[Age–related characteristics of intracellular transformations of thyroid hormones] Valueva GV. **Fiziol Zh** 1984 Mar–Apr;30(2):207–12 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of neonatal hyperthyroidism upon the regulation of TSH secretion in rats. Besa ME, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):31–9
Effects of L–thyroxine treatment on pituitary GH content of adult rats with neonatal thyrotoxicosis. Pascual–Leone AM, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):340–4
Structure–activity relation of thyroid hormone analogues and tissue epidermal growth factor concentrations in neonatal and adult mice. Hoath SB, et al. **Am J Dis Child** 1984 Mar; 138(3):251–3
Effect of thyroxine administration on phosphate transport across renal cortical brush border membrane. Espinosa RE, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F133–9
Hormonal influence on endothelial cell angiotensin–converting enzyme activity. Krulewitz AH, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C163–8
Effects of thyroid hormones on adipose tissue development in Sherman and Zucker rats. Levacher C, et al.

Am J Physiol 1984 Jan;246(1 Pt 1):C50–6

Interactions between thyroxine, hydrocortisone and cyclophosphamide in their effects on the eruption of the rat mandibular incisor. Moxham BJ, et al. **Arch Oral Biol** 1983;28(12):1083–7

Hormonal effects on the development changes of mouse small intestinal glycolipids. Sato E, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1168–73

Glucose homeostasis in fasted neonatal rats treated with high doses of L-thyroxine. Escrivá F, et al. **Biol Neonate** 1984; 45(2):86–96

Influence of thyroid hormone on some electrophysiological properties of developing rat skeletal muscle cells in culture. Bannett RR, et al. **Brain Res** 1984 Feb 27;294(1):75–82

Effects of hypophysectomy and hormone replacement on the local and metastatic growth of Morris hepatoma 44. Erdstein J, et al. **Cancer Res** 1984 Jul;44(7):2936–41

Activation of xanthine dehydrogenase during the prenatal period through L-thyroxine, thiourea and cycloheximide. Wittmann J, et al. **Cell Differ** 1983 Sep;13(1):77–83

Acute changes in thyroid function tests following ingestion of thyroxine. Symons RG, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):539–46

Comparative study of the effect of hydrocortisone and thyroxine on suckling mouse small intestine in organ culture. Arsenault P, et al. **Comp Biochem Physiol [A]** 1984; 77(4):721–5

Diurnal mitochondrial changes in avian retinal pigment epithelium: a search for correlation with thyroid state. Lauber JK. **Curr Eye Res** 1982–83;2(12):863–8

Stimulation of disaccharidase activities in the jejunal brush border membrane of adult rat by total parenteral nutrition. Effects of thyroid hormones. Raul F, et al. **Digestion** 1984; 29(3):190–6

Regulation by thyroid hormone of the concentration of substance P in the rat anterior pituitary. Aronin N, et al. **Endocrinology** 1984 Jun;114(6):2138–42

Differential effects of testosterone, thyroxine, and cortisol on rat submandibular gland versus renal kallikrein. Chao J, et al. **Endocrinology** 1983 Dec;113(6):2221–5

A study of cardiac effects of thyroid hormones: evidence for amelioration of the effects of thyroxine by sodium ipodate. Chopra IJ, et al. **Endocrinology** 1984 Jun; 114(6):2039–45

Direct in vitro effect of thyroid hormones on 25-hydroxyvitamin D3 metabolism in the perfused rat kidney. Kano K, et al. **Endocrinology** 1984 Feb;114(2):330–6

Decreased beta-adrenergic receptors in rat heart in streptozotocin-induced diabetes: role of thyroid hormones. Sundaresan PR, et al. **Endocrinology** 1984 Apr; 114(4):1358–63

The influence of partial food deprivation on the quantity and source of triiodothyronine in several tissues of athyreotic thyroxine-maintained rats. van Doorn J, et al. **Endocrinology** 1984 Aug;115(2):705–11

Hormonal effects on liver glutamate dehydrogenase in newly weaned, prepubertal rats. Yaroni S, et al. **Endocrinology** 1984 Jun;114(6):2330–6

Thyroid hormones and the reactivities of genetic variants of human erythrocytic glucose-6-phosphate dehydrogenase. Dada OA, et al. **Enzyme** 1983;30(4):217–22

Influence of thyroxine and its precursors on in vitro lysis of tadpole tail. Csaba G, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):113–5

Effects of thyroxine on the reproductive organs and growth of young chickens. Majeed SK, et al. **Experientia** 1984 Mar 15;40(3):281–3

Thyroxine preferentially stimulates transcription by isolated neuronal nuclei in the developing rat brain cortex. Lindholm DB. **FEBS Lett** 1984 Jun 11;171(2):240–4

Thyroid hormones and carbohydrate metabolism of brain in the teleost, Channa punctatus. I. Effect of T4 and thiourea on succinic dehydrogenase (SDH) activity and protein content. Begum KA, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):402–9

Changes in morphometric parameters and the characteristics of collagen following thyroxine and thiourea treatments in young male garden lizards. Brahma KC, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):100–6

Effect of Iodide, methimazole, and thyroxine on thyroidal accumulation of radioiodide in immature domestic fowl. Davison TF, et al. **Gen Comp Endocrinol** 1984 Jan; 53(1):86–9

Regulation of plasma T3 levels in T4-challenged rainbow trout, Salmo gairdneri. Fok P, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):197–202

In vitro study of frog (Rana ridibunda Pallas) neurointermediate lobe secretion by use of a simplified perifusion system. II. Lack of action of thyroxine on TRH-induced alpha-MSH secretion. Leroux P, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):323–8

Erythropoietin, testosterone, and thyroxine in the erythropoietic response of the snake, Xenochrophis piscator. Pati AK, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):370–4

Rhythms of cell proliferation in the hindlimb epidermis of control and thyroxine-treated Rana pipiens tadpoles. Wright ML, et al. **Gen Comp Endocrinol** 1984 Feb; 53(2):272–80

Effects of exogenous thyroxine and growth hormone on satellite cell and myonuclei populations in rapidly growing rat skeletal muscle. Beermann DH, et al. **Growth** 1983 Winter;47(4):426–36

Rat liver peroxisomes, II. Stimulation of peroxisomal fatty-acid beta-oxidation by thyroid hormones. Just WW, et al. **Hoppe Seylers Z Physiol Chem** 1983 Nov; 364(11):1541–7

The effects of thyroid hormone on in vitro phosphorylation, acetylation, and ADP ribosylation of rat liver nuclear proteins. Nikodem VM, et al. **Horm Metab Res** 1983 Nov; 15(11):550–4

Influence of thyroid hormone on the phospholipid composition of lung tissue and surfactant of rats. Kumar R, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep; 27(3):203–8

Developmental transition of alkaline phosphatase from suckling to adult type in rat small intestine: molecular species and effect of injected cortisone and thyroxine. Uezato T, et al. **J Biochem (Tokyo)** 1983 Nov;94(5):1483–8

Regulation by thyroxine of the mRNA encoding the alpha subunit of mouse thyrotropin. Shupnik MA, et al. **J Biol Chem** 1983 Dec 25;258(24):15120–4

Control of thyroglobulin secretion from the rat thyroid gland. Black EG, et al. **J Endocrinol** 1984 Apr;101(1):107–11

Thyroxine induces photorefractoriness and stimulates prolactin secretion in European starlings (Sturnus vulgaris). Goldsmith AR, et al. **J Endocrinol** 1984 Apr;101(1):R1–3

Inhibition of acetylcholine receptor synthesis by thyroid hormones. Shainberg A, et al. **J Endocrinol** 1984 May; 101(2):141–7

Development of peroxisomes in amphibians. III. Study on liver, kidney, and intestine during thyroxine-induced metamorphosis. Dauça M, et al. **J Exp Zool** 1983 Sep; 227(3):413–22

Retina maturation following administration of thyroxine in developing rats: effects on polyamine metabolism and glutamate decarboxylase. Macaione S, et al. **J Neurochem** 1984 Aug;43(2):303–15

Thyroxine-induced changes in the development of neutral alpha-amino acid transport systems of rat brain. Riggs TR, et al. **J Neurochem** 1984 May;42(5):1260–8

Interaction of glucocorticoid and thyroxine in the responses of rats to starvation-refeeding. Nessmith S, et al. **J Nutr** 1983 Nov;113(11):2260–5

Effect of thyroxine on induction of Lucké renal adenocarcinomas in Lucké tumor herpesvirus-infected leopard frog tadpoles. Rollins-Smith LA, et al. **JNCI** 1984 Sep;73(3):717–20

Beneficial effect of thyroxin on recovery from toxic acute renal failure. Siegel NJ, et al. **Kidney Int** 1984 Jun; 25(6):906–11

Pituitary-thyroid activity and longevity in neonatally thyroxine-treated rats. Ooka H, et al. **Mech Ageing Dev** 1983 Jun;22(2):113–20

Effects of thyroxine on Na+,K+-ATPase and norepinephrine turnover in brown adipose tissue of obese (ob/ob) mice. Knehans AW, et al. **Metabolism** 1984 Jul; 33(7):652–7

Differential, multihormonal regulation of the mouse major urinary protein gene family in the liver. Knopf JL, et al. **Mol Cell Biol** 1983 Dec;3(12):2232–40

Induction of the ipsilateral retinothalamic projection in Xenopus laevis by thyroxine. Hoskins SG, et al. **Nature** 1984 Feb 23–29;307(5953):730–3

Purkinje cell maturation in the frog cerebellum during thyroxine-induced metamorphosis. Hauser KF, et al. **Neuroscience** 1984 Jan;11(1):139–55

Effect of insulin, thyroxine and oestradiol on growth of normal human diploid cells and human heteroploid HeLa cells. Mosinger B Jr, et al. **Physiol Bohemoslov** 1983; 32(4):352–8

Enhanced growth and immune development in dwarf chickens treated with mammalian growth hormone and thyroxine. Marsh JA, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):351–60

Intestinal K99+ escherichia coli adhesion and absorption of colostral IgG1 in the newborn lamb: effect of fetal infusion of thyroid hormones. Cabello G, et al. **Res Vet Sci** 1983 Sep;35(2):242–4

Circulating glucose, insulin and ketone bodies and enzymes of ketone body utilization in brain mitochondria from suckling rats treated with high L-thyroxine doses. Escrivá F, et al. **Rev Esp Fisiol** 1983 Dec;39(4):363–71

[Effect of thyroid hormones on the beta-adrenergic receptor internalization in isolated rat hepatocytes] Hashizume K, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1693–702 (Eng. Abstr.) **(Jpn)**

[Effect of thyroxine on enzyme activities in small intestinal mucosa of rats] Murata R, et al. **Yakugaku Zasshi** 1983 Sep;103(9):986–90 (Eng. Abstr.) **(Jpn)**

[Effect of thyroxine on the phenotype of intact and denervated skeletal muscles in the guinea pig] Valiullin VV, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):38–40 (Eng. Abstr.) **(Rus)**

[Mechanism of the anti-aggregation action of thyroxine and insulin] Kirichuk VF, et al. **Probl Endokrinol (Mosk)** 1984 Jan-Feb;30(1):61–5 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine in the G0 stage of the cell cycle on the yield of chromosome aberrations in rat hepatocytes and human lymphocytes after X-irradiation] Antipenko EN, et al. **Radiobiologiia** 1984 Mar-Apr;24(2):233–6 (Eng. Abstr.) **(Rus)**

[Effect of thyroxine on the number of cells with aberrant chromosomes in the liver of rats following x-ray and neutron irradiation] Antipenko EN, et al. **Tsitol Genet** 1983 Jul-Aug;17(4):19–22 (Eng. Abstr.) **(Rus)**

[Variations in ATP synthetase activity of rat liver mitochondria during aging and under the effect of thyroxine] Lemeshko VV. **Ukr Biokhim Zh** 1983 Sep-Oct; 55(5):566–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thyroid hormone effects on skin and hepatic epidermal growth factor concentrations in neonatal and adult mice. Hoath SB, et al. **Biol Neonate** 1984;45(1):49–52

Thyroxine regulates the activity and the concentration of synaptic plasma membrane Na,K-ATPase in the developing rat brain cortex. Lindholm DB. **Brain Res** 1984 Jul;317(1):83–8

External factors controlling annual testosterone and thyroxine cycles in the edible dormouse Glis glis. Jallageas M, et al. **Comp Biochem Physiol [A]** 1984;77(1):161–7

Shrew metabolic rates and thyroxine utilization. Tomasi T. **Comp Biochem Physiol [A]** 1984;78(3):431–5

The effect of repeated administration of L-thyroxine on the activity of certain enzymes in the blood plasma of hens. Majewska H, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):320–4

Effects of growth hormone and thyroxine on the relation between tibial length and the histological appearance of the proximal tibial epiphysis in Snell dwarf mice. van Buul-Offers S, et al. **Growth** 1984 Summer;48(2):166–75

Effect of end-stage renal disease on responsiveness to calmodulin and thyroid hormone of calcium-ATPase in human red blood cells. Nieman LK, et al. **Kidney Int [Suppl]** 1983 Dec;16:S167–70

[Role of triiodothyronine and thyroxine in the regulation of thyrotropic hormone secretion (TSH) and the maintenance of the euthyroid state in healthy persons] Felt V, et al. **Cas Lek Cesk** 1984 May 11;123(19):583–5 (Eng. Abstr.) **(Cze)**

[Current theories on the role of thyroid hormones in the pathomechanism of allergy] Danowski J. **Pol Tyg Lek** 1983 Oct 3;38(40):1259–62 (46 ref.) **(Pol)**

[Interaction of the protein-synthesizing systems of the cytoplasm and mitochondria during hormonal induction of oligomycin-sensitive ATPase in the liver of rats of various ages] Kaliman PA, et al. **Ukr Biokhim Zh** 1983 Jul-Aug;55(4):380–5 (Eng. Abstr.) **(Rus)**

POISONING

New wine in old bottles. Neelon FA. **NC Med J** 1984 Jun; 45(6):398–9

Acute ingestions of thyroid hormones. Lehrner LM, et al. **Pediatrics** 1984 Mar;73(3):313–7

[Severe poisoning with thyroid hormones in a body builder] Krusell LR, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2441–2 (Eng. Abstr.) **(Dan)**

[Characteristics of thiol metabolism in animals in extreme thyroxine loading] Folomeev VF. **Vopr Med Khim** 1984 Jan-Feb;30(1):20–4 (Eng. Abstr.) **(Rus)**

SECRETION

Immediate increase of thyroid hormone release during acute stress in rats: effect of biogenic amines rather than that of TSH? Langer P, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):443–9

Stimulation of phospholipid methylation and thyroid hormone secretion by thyrotropin. Prasad C, et al. **Endocrinology** 1984 Mar;114(3):941–5

Mechanism of cholinergic inhibition of dog thyroid secretion in vitro. Unger J, et al. **Endocrinology** 1984 Apr; 114(4):1266–71

Forskolin stimulation of thyroid secretion of T4 and T3. Laurberg P. **FEBS Lett** 1984 May 21;170(2):273–6

The adaptation of the human thyroid gland to a physiological regimen of iodide intake: evidence for a transitory inhibition of thyroid hormone secretion modulated by the intrathyroidal iodine stores. Jonckheer MH, et al. **J Endocrinol Invest** 1983 Aug;6(4):267–72

Mechanisms governing the relative proportions of thyroxine and 3,5,3'-triiodothyronine in thyroid secretion. Laurberg P. **Metabolism** 1984 Apr;33(4):379–92 (146 ref.)

[Thyrotrophin releasing hormone (TRH) stimulates the secretion of T4 by perfused thyroid fragments from rats] Attali JR, et al. **C R Seances Acad Sci [III]** 1984;298(4):93–6 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Long-term ECG recordings in hyperthyroid patients before and after antithyroid treatment. Jansson R, et al. **Acta Med Scand** 1984;215(2):151–5

Comparison of effectiveness of thyrotropin-suppressive doses of D- and L-thyroxine in treatment of hypercholesterolemia. Bantle JP, et al. **Am J Med** 1984 Sep;77(3):475–81

The TRH test and thyroid hormone in refractory depression [letter] Targum SD, et al. **Am J Psychiatry** 1984 Mar; 141(3):463

L-Thyroxine therapy in subclinical hypothyroidism. A double-blind, placebo-controlled trial. Cooper DS, et al. **Ann Intern Med** 1984 Jul;101(1):18–24

The importance of reverse triiodothyronine in hypothyroid children on replacement treatment. Desai M, et al.

Arch Dis Child 1984 Jan;59(1):30–5
Pericardial tamponade in a patient with treated myxedema. Arvan S. Arch Intern Med 1983 Oct;143(10):1983–4
Desiccated thyroid preparations. Obsolete therapy [editorial] Smith SR. Arch Intern Med 1984 May;144(5):926–7
Total and free thyroid hormone concentrations in patients receiving maintenance replacement treatment with thyroxine. Pearce CJ, et al. Br Med J [Clin Res] 1984 Mar 3;288(6418):693–5
Thyroid hormone concentrations after exogenous thyroxine [letter] Soppi E, et al. Br Med J [Clin Res] 1984 Apr 14; 288(6424):1157
Effect of treatment on skeletal muscle dysfunction in hypothyroidism. Khaleeli AA, et al. Clin Sci 1984 Jan; 66(1):63–8
Triplet gestation following thyroid replacement in a patient with infertility, hyperprolactinemia, and enlarged sella secondary to hypothyroidism. Rezai P, et al. Fertil Steril 1984 Sep;42(3):486–8
Reverse tri-iodothyronine (rT3) in normal and hypothyroid children and its significance in treated hypothyroids. Desai M, et al. Indian J Med Res 1983 May;77:679–85
Thyroid hormone and the TRH stimulation test in refractory depression. Targum SD, et al. J Clin Psychiatry 1984 Aug; 45(8):345–6
Nerve growth factor concentration in a congenitally hypothyroid mouse model (hyt/hyt) and its responsivity to thyroxine treatment. Scott SM, et al. J Dev Physiol 1983 Dec;5(6):413–8
Different rates of thyrotropin suppression after total body scan in patients with thyroid cancer: effect of an optimal saturation regimen with thyroxine or triiodothyronine. Busnardo B, et al. J Endocrinol Invest 1983 Dec;6(6):455–61
Effect of thyroxine and growth hormone on the hypercholesterolemia of growth hormone deficiency. Winter RJ, et al. Metabolism 1984 Jan;33(1):54–7
Increased serum concentration of free L-triiodothyronine in patients treated with L-thyroxine. Schmitz R, et al. Nuklearmedizin 1983 Oct;22(5):251–4
Women on thyroid hormone therapy: pregnancy course, fetal outcome, and amniotic fluid thyroid hormone level. Pekonen F, et al. Obstet Gynecol 1984 May;63(5):635–8
Results of controlled double-blind study of thyroid replacement in very low-birth-weight premature infants with hypothyroxinemia. Chowdhry P, et al. Pediatrics 1984 Mar;73(3):301–5
Acute effect of exogenous thyroxine dose on serum thyroxine and thyrotrophin levels in treated hypothyroid patients. Soppi E, et al. Scand J Clin Lab Invest 1984 Jun;44(4):353–6
The effect of thyroid hormone administration upon survival in patients with differentiated thyroid carcinoma. Cady B, et al. Surgery 1983 Dec;94(6):978–83
[Treatment of hypothyroidism in children with levothyroxine (tablets)] Rochiccioli P. Ann Pediatr (Paris) 1983 Dec; 30(10):797–800 (Eng. Abstr.) (Fre)
[Treatment of thyroid insufficiency with L-thyroxine (letter)] Bricaire H, et al. Presse Med 1984 Jul 14–21;13(29):1791–2 (Fre)
[Hormone therapy of euthyroid goiter (letter)] Dtsch Med Wochenschr 1983 Nov 4;108(44):1696–8 (Ger)
[Therapy of endocrine diseases in childhood and adolescence. 2. Connatal athyreosis. 3. Diabetes insipidus neurohormonalis] Butenandt O. Fortschr Med 1983 Sep 8; 101(34):1497–500 (Eng. Abstr.) (Ger)

TOXICITY

Some functional changes in experimentally induced cardiac overload. Petkov O. Acta Physiol Pharmacol Bulg 1983; 9(3):42–50
Effect of thyroxine-induced hyperthyroidism on some testicular enzymes of the pyruvate/malate cycle. Aruldhas MM, et al. Biochim Biophys Acta 1984 Feb 14;797(2):143–6

D-THYROXINE see **DEXTROTHYROXINE**

L-THYROXINE see **THYROXINE**

THYROXINE BINDING PROTEIN

The microheterogeneities of thyroxine-binding globulin and alpha 1 protease inhibitor (alpha 1-antitrypsin) are interrelated. Beilby JP, et al. Clin Chim Acta 1983 Sep 15; 133(1):51–63
Circular dichroism study of thyroxine-binding globulin derivatized with p-iodophenylsulfonyl chloride. Siegel JS, et al. Int J Biochem 1984;16(5):575–7

ANALYSIS

Age- and sex-related differences of serum thyroxine binding globulin (TBG) in healthy subjects. Kojima N, et al. Acta Endocrinol (Copenh) 1983 Nov;104(3):303–6
Thyroxine and thyroxine-binding globulin: discriminant formulae for the separation of the diagnostic classes of thyroid function. Noe DA. Ann Clin Biochem 1984 Jan;21 (Pt 1):40–2
Interrelationships among body mass, thyrotropin, thyroid hormones, and thyroid-hormone binding proteins in healthy 70-year-old men. Edén S, et al. Clin Chem 1984 May;30(5):681–6
Clinical evaluation of two direct procedures for free thyroxin, and of free thyroxin index determined nonisotopically and by measuring thyroxin-binding globulin. Waud JM, et al. Clin Chem 1983 Nov;29(11):1908–11
Re-evaluation of the proposed interrelationship between thyroxine-binding globulin (TBG) and alpha1-antitrypsin (PI). Kamboh MI, et al. Clin Chim Acta 1984 May 16; 139(1):65–73
Clinical evaluation of thyroxine-binding globulin (TBG) as a marker of liver tumors. Terui S. Eur J Nucl Med 1984; 9(3):121–4
Serum free thyroxine: calculated and measured values [letter] Wiener JD. Eur J Nucl Med 1984;9(3):147–8
Thyroxine binding globulin radioimmunoassay in dried blood spotted on filter paper. Torresani T, et al. J Clin Chem Clin Biochem 1983 Aug;21(8):499–502
Radioimmunoassays specific for the tertiary and primary structures of thyroxine-binding globulin (TBG): measurement of denatured TBG in serum. Refetoff S, et al. J Clin Endocrinol Metab 1984 Aug;59(2):269–77
Specific thyroxine binding albumin is a constituent of normal human serum [letter] Docter R, et al. Lancet 1984 Jan 7; 1(8367):50
High serum thyroxine-binding globulin—an important cause of hyperthyroxinaemia. Leahy BC, et al. Postgrad Med J 1984 May;60(703):324–7
Nuclear specific thyroxine binding in human mononuclear blood cells. Kvetny J. Scand J Clin Lab Invest 1983 Nov; 43(7):629–36
[Diagnosis of thyroid gland diseases in the practice of internal medicine] Köbberling J. Internist (Berlin) 1983 Aug; 24(8):439–41 (Ger)
[Comparative evaluation of usefulness of the free T3 index and T3:TBG ratio as indirect indicators of serum free triiodothyronine concentration] Taguchi H, et al. Kaku Igaku 1983 Jul;20(6):775–83 (Eng. Abstr.) (Jpn)
[Prognosis of threatened abortion and serum levels of TBG] Wanibe S, et al. Kaku Igaku 1984 Feb;21(2):155–63 (Jpn)
[Evaluation on the interaction between thyroxine binding globulin (TBG) and thyroxine (T4) in healthy subjects and pregnant women] Sakata S, et al. Nippon Naibunpi Gakkai Zasshi 1983 Sep 20;59(9):1256–64 (Eng. Abstr.) (Jpn)
[Measurement of serum thyroxine-binding globulin by CIS TBG 125-I kit] Kousaka T, et al. Radioisotopes 1983 Sep; 32(9):419–22 (Jpn)
[Diagnosis of congenital hypothyroidism] Balabolkin MI, et al. Pediatriia 1983 Sep;(9):9–12 (Eng. Abstr.) (Rus)

ANTAGONISTS & INHIBITORS

A competitive ligand binding assay for measurement of thyroid hormone-binding inhibitor in serum and tissues. Chopra IJ, et al. J Clin Endocrinol Metab 1984 Apr; 58(4):619–28

BLOOD

Thyroxine-binding prealbumin—an index of disease activity or nutritional status in rheumatoid arthritis? Helliwell M, et al. Br J Rheumatol 1984 Aug;23(3):190–4
Effect of isolated decreases in albumin and prealbumin on radioimmunoassay results for free thyroxin in nonthyroidal illnesses [letter] Ordóñez-Llanos J, et al. Clin Chem 1984 Mar;30(3):496–8
Thyroxine-binding globulin in serum and milk specimens from puerperal lactating women. Oberkotter LV, et al. Obstet Gynecol 1984 Aug;64(2):244–7
[Direct and indirect parameters for free thyroxine. II. Diagnostic accuracy in disorders of thyroid function and binding protein anomalies] Reiners C, et al. Nuklearmedizin 1983 Dec;22(6):273–87 (Eng. Abstr.) (Ger)
[Improvement of CIS-RIA kit for thyroxine binding globulin] Okada T, et al. Horumon To Rinsho 1983 Sep; 31(9):937–41 (Jpn)

DEFICIENCY

Transient thyroid binding globulin deficiency with classic galactosemia [letter] Campbell S, et al. J Pediatr 1984 Aug; 105(2):335–6
[Inborn defect of thyroxine binding globulin (TBG) diagnosed during screening for congenital hypothyroidism] Hniková O, et al. Cesk Pediatr 1983 Jul;38(7):416–8 (Eng. Abstr.) (Cze)
[Thyroxine binding globulin deficiency excluding thyroid pathology (letter)] Massol J, et al. Presse Med 1984 May 12;13(20):1277 (Fre)
[Thyroxine-binding globulin deficiency in a family] Hosojima H, et al. Nippon Naibunpi Gakkai Zasshi 1983 Sep 20; 59(9):1213–8 (Eng. Abstr.) (Jpn)

GENETICS

Genetic polymorphism of thyroxin-binding globulin (TBG) in the Pacific area. Kamboh MI, et al. Am J Hum Genet 1984 May;36(3):646–54
X-linked, polymorphic genetic variation of thyroxin-binding globulin (TBG) in baboons and screening of additional primates. Lockwood DH, et al. Biochem Genet 1984 Feb; 22(1-2):81–8
Polymorphism of human thyroxine-binding globulin. Grimaldi S, et al. J Clin Endocrinol Metab 1983 Dec; 57(6):1186–92

METABOLISM

Lowering effect of diphenylhydantoin on serum free thyroxine and thyroxine binding globulin (TBG). Suzuki H, et al. Acta Endocrinol (Copenh) 1984 Apr;105(4):477–81
Serum free thyroxine concentrations in subjects with high circulating levels of thyroxine-binding globulin. Ashwell K, et al. Ann Clin Biochem 1983 Sep;20 (Pt 5):285–8
Low serum thyroxine and high serum triiodothyronine in nephrotic rats: etiology and implications for bioavailability of protein-bound hormone. Glass AR, et al. Endocrinology 1984 May;114(5):1745–53
Evaluation of N-bromoacetyl-L-thyroxine as an affinity label for the thyroxine (T4)-binding site in human T4-binding globulin. Siegel JS, et al. Endocrinology 1983 Dec;113(6):2173–80
A thyroxine-binding protein in human breast milk similar to serum thyroxine-binding globulin. Oberkotter LV, et al. J Clin Endocrinol Metab 1983 Dec;57(6):1133–9

TIABENDAZOL see **THIABENDAZOLE**

TIAPRIDE see under **BENZAMIDES**

TIBIA

Hahn's operation for pseudarthrosis after osteomyelitis of the tibia in children. A report of three cases. Langenskiöld A. Acta Orthop Scand 1983 Oct;54(5):714–20
Osteofibrous dysplasia (ossifying fibroma) of the tibia and fibula and adamantinoma. A case report. Alguacil-Garcia A, et al. Am J Clin Pathol 1984 Oct;82(4):470–4
Intracortical osteosarcoma. Vigorita VJ, et al. Am J Surg Pathol 1984 Jan;8(1):65–71
Anterior tibial mass: an unusual complication of popliteal cysts. O'Dell JR, et al. Arthritis Rheum 1984 Jan; 27(1):113–5
Primary leiomyosarcoma of extragnathic bones. Case report and review of literature. von Hochstetter AR, et al. Cancer 1984 May 15;53(10):2194–200
Factors influencing the intrusion of methylmethacrylate into human tibiae. Dorr LD, et al. Clin Orthop 1984 Mar; (183):147–52
Load-bearing capacity of the tibial component of the total condylar knee prosthesis. An in vitro study. Figgie HE 3d, et al. Clin Orthop 1984 Mar;(183):288–97
Chrysosporium, a new causative agent in osteomyelitis. A case report. Stillwell WT, et al. Clin Orthop 1984 Apr; (184):190–2
'Locking knee' due to osteochondroma. Kernohan J, et al. Injury 1984 Jan;15(4):239–41
Antiblastic hyperthermic regional perfusion in the treatment of malignant neoplasms of the limbs. Monticelli G, et al. Ital J Orthop Traumatol 1983 Jun;9(2):167–80
Posterior tibial tendon rupture in a world class runner. Simpson RR, et al. J Foot Surg 1983 Spring;22(1):74–7
Haemangio-endothelioma of lower end of tibia and fibula. Ghosh A, et al. J Indian Med Assoc 1983 Apr;80(7–8):104–6
A biomechanical analysis of the etiology of tibia vara. Cook SD, et al. J Pediatr Orthop 1983 Sep;3(4):449–54
Proximal tibiofibular synostosis. Gamble JG. J Pediatr Orthop 1984 Mar;4(2):243–5
Late-onset tibia vara: a comparative analysis. Thompson GH, et al. J Pediatr Orthop 1984 Mar;4(2):185–94
Double primary malignancies: osteosarcoma and medulloblastoma. DiMaio SM, et al. South Med J 1984 Mar;77(3):388–90
[The medial tibial stress syndrome] Boel J, et al. Ugeskr Laeger 1983 Dec 5;145(49):3831–2 (Eng. Abstr.) (Dan)
[Popliteal artery thrombosis from an osteochondroma of the upper end of the tibia. Apropos of a case] Boscher Y, et al. J Chir (Paris) 1984 May;121(5):327–30 (Eng. Abstr.) (Fre)
[Knee pain of rare etiology] Flageat J, et al. J Radiol 1984 May;65(5):393–6 (Eng. Abstr.) (Fre)
[Posttraumatic dissecting giant cell dystrophy of the tibia—studies in an athlete] Friedel B. Beitr Orthop Traumatol 1984 Jun;31(6):313–7 (Eng. Abstr.) (Ger)
[3 osteosarcoma therapy dropouts. Clinical cases] Knispel J, et al. Onkologie 1983 Dec;6(6):292–4 (Eng. Abstr.) (Ger)
[Therapeutic response of various histological osteosarcoma subtypes to high-dose methotrexate treatment] Schulz A, et al. Onkologie 1983 Dec;6(6):296–304 (Eng. Abstr.) (Ger)
[Compartment syndrome in the lower leg following local injections of turpentine oil] Böhnel P. Zentralbl Chir 1983; 108(17):1112–3 (Ger)
[Non-traumatic luxation of the proximal tibio-peroneal articulation] De Rubertis R. Arch Putti Chir Organi Mov 1983;33:309–15 (Eng. Abstr.) (Ita)
[Dysplasia epiphysialis hemimelica] Padovani G, et al. Chir Organi Mov 1982–83;68(1):109–11 (Eng. Abstr.) (Ita)
[Treatment of congenital pseudarthrosis of the tibia with pulsing electromagnetic fields. Preliminary study] Poli G, et al. Chir Organi Mov 1982–83;68(1):27–32 (Eng. Abstr.) (Ita)
[Periosteal chondroma in children. Case contribution] Sadile

F, et al. **Chir Organi Mov** 1982-83;68(3):387-90 (Eng. Abstr.) (Ita)

[Case of intrapulmonary ossification developing after surgery of benign giant cell tumor of the left tibia] Takahashi K, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):628-32 (Eng. Abstr.) (Jpn)

[Morphological characteristics of mesenchymal chondrosarcoma] Litvinova LV, et al. **Arkh Patol** 1984; 46(4):27-31 (Eng. Abstr.) (Rus)

[Adamantinoma of the tibia] Petrovichev NN, et al. **Arkh Patol** 1984;46(3):72-5 (Rus)

[Case of free muscle grafting with microvascular anastomoses for plastic surgery of bone cavities in the 'muscle-free' zone of the tibia] Belousov AE, et al. **Ortop Travmatol Protez** 1983 Nov;(11):53-4 (Rus)

[Adamantinoma of the long tubular bones] Knysh IT. **Ortop Travmatol Protez** 1983 Sep;(7):62-3 (Rus)

[Caffey's syndrome] Kolpakova LV, et al. **Ortop Travmatol Protez** 1984 Apr;(4):49-50 (Rus)

[Elimination of pathologic torsion of the crural bones during treatment of various severe foot deformities in children] Gafarov KhZ. **Vestn Khir** 1984 Feb;132(2):83-6 (Eng. Abstr.) (Rus)

ABNORMALITIES

Isolated tibial hemimelia in sibs: an autosomal-recessive disorder? McKay M, et al. **Am J Med Genet** 1984 Mar; 17(3):603-7

Absent tibiae, triphalangeal thumbs and polydactyly: description of a family and prenatal diagnosis. Canún S, et al. **Clin Genet** 1984 Feb;25(2):182-6

Unilateral duplication of the femur associated with myelomeningocele. Balog B, et al. **J Pediatr Orthop** 1984 Aug;4(4):488-90

Idiopathic or primary windswept deformity: the etiological significance of the radiological findings. Oni OO, et al. **J Pediatr Orthop** 1984 May;4(3):293-6

Anteroposterior instability of the knee: a sign of congenital limb deficiency. Torode IP, et al. **J Pediatr Orthop** 1983 Sep;3(4):467-70

Dyschondrosteosis with tibia vara--report of three cases. Sugiura Y, et al. **Jinrui Idengaku Zasshi** 1984 Mar; 29(1):7-16

Treatment of congenital and infantile pseudarthrosis of the tibia with pulsing electromagnetic fields. Sharrard WJ. **Orthop Clin North Am** 1984 Jan;15(1):143-62

[Congenital diastasis of the distal tibiofibular mortise] Alkalay A, et al. **Harefuah** 1983 May 1;104(9):389-91 (Eng. Abstr.) (Heb)

[Dysplastic changes in the development of bone tissue in congenital pseudarthrosis] Pavlova MN, et al. **Arkh Patol** 1983;45(10):33-9 (Eng. Abstr.) (Rus)

[Angiography in congenital underdevelopment of the tibia in children] Beliaeva AA, et al. **Vestn Rentgenol Radiol** 1984 May-Jun;(3):86-7 (Rus)

ANALYSIS

Control of cement penetration in total knee arthroplasty. Walker PS, et al. **Clin Orthop** 1984 May;(185):155-64

ANATOMY & HISTOLOGY

Determination of sex from the tibia. Iscan MY, et al. **Am J Phys Anthropol** 1984 May;64(1):53-7

The soleal line. Mysorekar VR, et al. **Anat Rec** 1983 Aug; 206(4):447-51

The proximal tibio fibular joint. An anatomical study with clinical and pathological considerations. Eichenblat M, et al. **Int Orthop** 1983;7(1):31-9

Estimation of stature from parts of ulna and tibia. Mysorekar VR, et al. **Med Sci Law** 1984 Apr;24(2):113-6

BLOOD SUPPLY

Isolated popliteal segment v tibial bypass. Comparison of hemodynamic and clinical results. Brewster DC, et al. **Arch Surg** 1984 Jul;119(7):775-9

Medical grand rounds: regional streptokinase therapy for arterial occlusion. Oglesby JT, et al. **Del Med J** 1984 May; 56(5):271-9

The arterial anatomy of the talus. Gelberman RH, et al. **Foot Ankle** 1983 Sep-Oct;4(2):64-72

The fine structure of the proximal growth plate of the avian tibia: vascular supply. Howlett CR, et al. **J Anat** 1984 Aug; 139 (Pt 1):115-32

Two malignant fibrous histiocytomas in bone infarcts. Case report. Heselson NG, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1166-71

[Surgical treatment of atherosclerotic occlusion of the femoral, popliteal and tibial arteries] Sukharev II, et al. **Vestn Khir** 1983 Oct;131(10):47-52 (Eng. Abstr.) (Rus)

CYTOLOGY

The micrometric characteristics of the hypertrophic zone of growth cartilage in the tibia of full-term newborn infants. Baltadjiev G. **Folia Med (Plovdiv)** 1983;25(3):30-5

DRUG EFFECTS

Bone injury caused by curing bone cement. A vital microscopic study in the rabbit tibia. Albrektsson T, et al. **Clin Orthop** 1984 Mar;(183):280-7

Reaction of the human tibia to bone wax. Sorrenti SJ, et al. **Clin Orthop** 1984 Jan-Feb;(182):293-6

EMBRYOLOGY

[Epiphyseal centers in the knee area - a sonographic and radiologic comparison] Bernaschek G, et al. **Z Geburtshilfe Perinatol** 1983 Sep-Oct;187(5):250-3 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Osteogenic periosteum esterase activity: a comparative morphological and cytochemical study of bone cells in situ on rat proximal tibiae and in smears. Ries WL. **J Histochem Cytochem** 1984 Jan;32(1):55-62

GROWTH & DEVELOPMENT

Effects of experimental hyperadrenocorticism on the growth of the femur and tibia in normal and bipedal rats. Simon MR. **Acta Anat (Basel)** 1983;117(4):339-45

Response of the longitudinal growth of cranium and long bones to early weaning in the rabbit. Van der Werf F. **Acta Morphol Neerl Scand** 1984 Mar;22(1):3-16

Growth and development of the tibia, fibula, and ankle joint. Beals RK, et al. **Clin Orthop** 1984 Jan-Feb;(182):289-92

A morphological study of the development of the tibial proximal epiphysis and growth plate of normal and dwarfed Snell mice. Smeets T, et al. **Growth** 1983 Summer; 47(2):145-59

Effects of growth hormone and thyroxine on the relation between tibial length and the histological appearance of the proximal tibial epiphysis in Snell dwarf mice. van Buul-Offers S, et al. **Growth** 1984 Summer;48(2):166-75

Asymmetrical arrest of the proximal tibial physis and genu recurvatum deformity. Pappas AM, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):575-81

Pattern of closure of the proximal femoral and tibial epiphyses in man. Dvonch VM, et al. **J Pediatr Orthop** 1983 Sep;3(4):498-501

[Formulation on the growth of the human tibia based on Gindhart's data (1976)] Sager G. **Anat Anz** 1983; 154(1):81-94 (Eng. Abstr.) (Ger)

[Evaluation of callus formation after conservative and surgical treatment of experimental infected fractures] Zolyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(3):245-7 (Eng. Abstr.) (Pol)

INJURIES

Traumatic luxation of the proximal tibiofibular joint, superior variety. A case report. Brana Vigil A, et al. **Acta Orthop Belg** 1983 Jul-Aug;49(4):479-82

Reconstruction of a large tibial defect with a free vascularized fibular graft. Takami H, et al. **Arch Orthop Trauma Surg** 1984;102(3):203-5

Spoon player's tibia [letter] O'Donoghue DJ, et al. **Arthritis Rheum** 1984 Mar;27(3):357-8

Antero-lateral rotatory instability of the knee. Maiotti A, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):461-7

METABOLISM

Studies on the etiology of tibial dyschondroplasia in chickens. Edwards HM Jr. **J Nutr** 1984 Jun;114(6):1001-13

MICROBIOLOGY

Blastomycosis of the tibia: case report. Saylor HL 3d, et al. **SD J Med** 1984 Apr;37(4):5-8

PATHOLOGY

Transarticular extension of chondrosarcoma. Pinstein ML, et al. **AJR** 1984 Apr;142(4):779-80

Osteoclast changes induced by lead poisoning (saturnism). Bonucci E, et al. **Appl Pathol** 1983;1(5):241-50

The abnormal proximal tibiofibular joint. Veth RP, et al. **Arch Orthop Trauma Surg** 1984;102(3):167-71

Adamantinoma of the tibia. An eccrine carcinoma. Eisenstein W, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):246-50

Histomorphologic changes in the tibial epiphysis after diaphyseal fracture. Obrant KJ, et al. **Clin Orthop** 1984 May;(185):270-5

Estimation of age at death by tibial osteon remodeling in an autopsy series. Thompson DD, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2-3):203-11

The influence of growth hormone, somatomedins, prolactin and thyroxine on the morphology of the proximal tibial epiphysis and growth plate of Snell dwarf mice. Smeets T, et al. **Growth** 1983 Summer;47(2):160-73

Osteoid osteoma transforming to aggressive (low grade malignant) osteoblastoma: a case report and literature review. Pieterse AS, et al. **Histopathology** 1983 Sep; 7(5):789-800

Tibia vara or Blount's disease: pathogenesis, clinical features and treatment. Ippolito E, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):521-8

The evolution and histopathology of adolescent tibia vara. Wenger DR, et al. **J Pediatr Orthop** 1984 Jan;4(1):78-88

Case report 257. Grade IV chondroblastic osteosarcoma of tibia. Fauré C, et al. **Skeletal Radiol** 1984;11(1):73-6

[Various aspects of morphological variants of healing of experimentally infected fractured treated conservatively and surgically] Szram S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):249-53 (Eng. Abstr.) (Pol)

PHYSIOLOGY

In vivo bone strain on the dog tibia during locomotion. Bouvier M, et al. **Acta Anat (Basel)** 1984;118(3):187-92

Compressive strength of tibial cancellous bone. Instron and osteopenetrometer measurements in an autopsy material. Hvid I, et al. **Acta Orthop Scand** 1983 Dec;54(6):819-25

The stress-protecting effect of metal plates on the intact rabbit tibia. Terjesen T, et al. **Acta Orthop Scand** 1983 Dec; 54(6):810-8

Bone strain in the equine tibia: an in vivo strain gauge analysis. Hartman W, et al. **Am J Vet Res** 1984 May; 45(5):880-4

Bone strain in the equine tibia: inertia as a cause of the presupport peak. Schamhardt HC, et al. **Am J Vet Res** 1984 May;45(5):885-7

A reference curve for axial bioelectric potentials in rabbit tibia. Rubinacci A, et al. **Bioelectromagnetics** 1984; 5(2):193-202

In vitro strain distribution in the proximal tibia. Effect of varus-valgus loading in the normal and osteoarthritic knee. Bourne RB, et al. **Clin Orthop** 1984 Sep;(188):285-92

Tibial component fixation in deficient tibial bone stock. Brooks PJ, et al. **Clin Orthop** 1984 Apr;(184):302-8

Cancellous bone strength at the proximal human tibia. Hvid I, et al. **Eng Med** 1984 Jan;13(1):21-5

Cancellous bone strength measurements with the osteopenetrometer. Hvid I, et al. **Eng Med** 1984 Apr; 13(2):73-8

Mechanical strength of the tibial resection surface in total knee replacement. Hvid I, et al. **Eng Med** 1983 Oct; 12(4):173-6

The role of the interosseous membrane on tibiofibular weightbearing. Skraba JS, et al. **Foot Ankle** 1984 May-Jun; 4(6):301-4

Cranial tibial thrust: a primary force in the canine stifle. Slocum B, et al. **J Am Vet Med Assoc** 1983 Aug 15; 183(4):456-9

The effect of impact on the marrow pressure of long bones in vitro. Bryant JD. **J Biomech** 1983;16(8):659-65

The mechanical properties of human tibial trabecular bone as a function of metaphyseal location. Goldstein SA, et al. **J Biomech** 1983;16(12):965-9

Field measurements in snow skiing injury research. Kuo CY, et al. **J Biomech** 1983;16(8):609-24

On the mechanical resonances of a human tibia in vitro. Van der Perre G, et al. **J Biomech** 1983;16(7):549-52

Identification of in-vivo vibration modes of human tibiae by modal analysis. Van der Perre G, et al. **J Biomech Eng** 1983 Aug;105(3):244-8

Vibration analysis of human tibia: the effect of soft tissue on the output from skin-mounted accelerometers. Nokes L, et al. **J Biomed Eng** 1984 Jul;6(3):223-6

Direct and indirect determination of tibial natural frequency--a comparison of frequency domain analysis and fast Fourier transform. Nokes L, et al. **J Biomed Eng** 1984 Jan;6(1):45-8

The effect of varied hip angles on the generation of internal tibial rotary torque. Oshimo TA, et al. **Med Sci Sports Exerc** 1983;15(6):529-34

PHYSIOPATHOLOGY

[Biomechanical and histological studies following intramedullary nailing of the tibia] Pfister U. **Fortschr Med** 1983 Oct 6;101(37):1652-9 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Dating and rating of Harris's lines. Maat GJ. **Am J Phys Anthropol** 1984 Mar;63(3):291-9

Stress response of the tibial cortex: a longitudinal radiographic study. Kuusela T, et al. **Ann Clin Res** 1984; 16 Suppl 40:14-6

Diaphyseal Paget's disease: an unusual finding in the tibia. Schubert F, et al. **Clin Radiol** 1984 Jan;35(1):71-4

Atypical bone angiomas in children. Desgrippes Y, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):251-5

The radiolucent line beneath the tibial components of the Oxford meniscal knee. Tibrewal SB, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):523-8

Erdheim-Chester disease: a distinct lipoidosis or part of the spectrum of histiocytosis? Brower AC, et al. **Radiology** 1984 Apr;151(1):35-8

CT scanograms for measuring leg length discrepancy. Helms CA, et al. **Radiology** 1984 Jun;151(3):802

Enthesopathic erosive lesions of patella and tibial tuberosity in juvenile ankylosing spondylitis. Anatomico-radiological study of a case with tibial bursitis. Albert J, et al. **ROFO** 1983 Nov;139(5):544-8

Radiology of postnatal skeletal development. IX. Proximal tibia and fibula. Ogden JA. **Skeletal Radiol** 1984; 11(3):169-77

Radiology of postnatal skeletal development. X. Patella and tibial tuberosity. Ogden JA. **Skeletal Radiol** 1984; 11(4):246-57

Radiology of postnatal skeletal development. VIII. Distal tibia and fibula. Ogden JA, et al. **Skeletal Radiol** 1983; 10(4):209-20

[Superior tibial epiphyseal osteochondroma with intra-articular development. Apropos of 2 cases in

children] Calabet A, et al. **J Radiol** 1984 May;65(5):389–92 (Eng. Abstr.) **(Fre)**

[Osteomyelography and pseudarthrosis of the leg] Vara-Thorbeck R, et al. **Rev Chir Orthop** 1984;70(2):89–92 (Eng. Abstr.) **(Fre)**

[Primary diaphyseal tuberculosis of the long bones] Richter R, et al. **ROFO** 1983 Nov;139(5):549–52 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Cold osteomyelitis. Radionuclide bone scan findings. Barron BJ, et al. **Clin Nucl Med** 1984 Jul;9(7):392–3

[Seemingly nerve root sciatica disclosing an osteoid osteoma of the tibia. Value of bone scintigraphy] Doury P, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):97–9 **(Fre)**

SURGERY

Resection for tumor of the proximal tibia [letter] Rydholm A. **Acta Orthop Scand** 1983 Oct;54(5):782–3

Proximal osteotomy of the tibia in the treatment of osteoarthritis of the knee. Isolauri J, et al. **Arch Orthop Trauma Surg** 1983;102(2):107–10

Proximal tibial osteotomy in the treatment of osteoarthritis of the knee. Kiviluoto O, et al. **Arch Orthop Trauma Surg** 1984;103(1):57–61

Isokinetic knee extension strength and pain before and after advancement osteotomy of the tibial tuberosity. Nordgren B, et al. **Arch Orthop Trauma Surg** 1983;102(2):95–101

Treatment of genu recurvatum by proximal tibial closing-wedge/anterior displacement osteotomy. Bowen JR, et al. **Clin Orthop** 1983 Oct;(179):194–9

Upper tibial osteotomy. Coventry MB. **Clin Orthop** 1984 Jan–Feb;(182):46–52

A cement impactor for uniform cement penetration in the upper tibia. Kim YH, et al. **Clin Orthop** 1984 Jan–Feb;(182):206–10

Interlocking wedge osteotomy of the proximal tibia for gonarthrosis. Ogata K. **Clin Orthop** 1984 Jun;(186):129–34

Domed (cupola) tibial osteotomy in the treatment of decompensated arthrosis secondary to genu varum. Giunti A, et al. **Ital J Orthop Traumatol** 1984 Jun;10(2):153–62

Resection and reconstruction of the distal end of the femur or proximal end of the tibia after radical excision of diaphyseal and epiphyseal segments. Monticelli G, et al. **Ital J Orthop Traumatol** 1983 Dec;9(4):427–37

Monocompartmental epiphyseal distract. Ricciardi L. **Ital J Orthop Traumatol** 1984 Mar;10(1):57–60

Osteotomy of the tibial tubercle in total knee replacement [letter] Levy RN. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1207–8

Intramedullary rodding with Bailey-Dubow extensible rods in osteogenesis imperfecta. An interim report of results and complications. Lang-Stevenson AI, et al. **J Bone Joint Surg [Br]** 1984 Mar;66(2):227–32

Rotationplasty of the lower limb for congenital defects of the femur. Torode IP, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):569–73

Complications of a tibial osteotomy. Herring JA, et al. **J Pediatr Orthop** 1983 Nov;3(5):625–8

Femoral and tibial lengthening. Stephens DC. **J Pediatr Orthop** 1983 Sep;3(4):424–30

Tibialisation of fibula for bone defects in haematogenous osteomyelitis. Izhar-Ul-Haque. **J R Coll Surg Edinb** 1984 May;29(3):176–80

Biomechanical basis of the tibial recurvation osteotomy. Lok V, et al. **Med J Zambia** 1983 Jul;17(3):77–82

[Results after Coventry's operation for treatment of arthroses of the knee joint] Rozkydal Z, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):123–32 (Eng. Abstr.) **(Cze)**

[Tibial lengthening using Judet's method. Apropos of 108 cases in children] Pouliquen JC, et al. **Rev Chir Orthop** 1984;70(1):29–39 (Eng. Abstr.) **(Fre)**

[Condylar plates in the reconstructive surgery of the proximal tibia] Walcher K, et al. **Aktuel Traumatol** 1984 Feb;14(1):27–32 (Eng. Abstr.) **(Ger)**

[Medullary reaming in chronic osteomyelitis of the stable femur and tibia shaft] Zwipp H, et al. **Chirurg** 1984 Apr;55(4):260–3 (Eng. Abstr.) **(Ger)**

[Effect of indirect axial traction of the tibia on cleft width of the knee joint] Patyk C, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):143–7 (Eng. Abstr.) **(Pol)**

[High 'plus' osteotomy of the tibia in the treatment of gonarthrosis] Wall A, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):61–4 (Eng. Abstr.) **(Pol)**

[Experimental substantiation of the treatment of Blount's disease] Kabatsii MS, et al. **Ortop Travmatol Protez** 1984 Apr;(4):29–31 (Eng. Abstr.) **(Rus)**

[High corrective osteotomy of the tibia in arthrosis deformans of the knee joint] Popov VA. **Ortop Travmatol Protez** 1984 Feb;(2):54–6 **(Rus)**

[Access to the tibia in chronic hematogenic osteomyelitis in children] Rakhimov SR. **Vestn Khir** 1983 Dec;131(12):83–4 **(Rus)**

TRANSPLANTATION

[Xenobrephoplasty in treating diaphyseal fractures, nonunions and pseudarthroses of the tibia] Berdyev T. **Ortop Travmatol Protez** 1984 Jun;(6):22–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Osteofibrous dysplasia of long bones in adults. Apropos of 2 cases with an ultrastructural study] Pavlakis E, et al. **Arch Anat Cytol Pathol** 1983;31(4):206–10 (Eng. Abstr.) **(Fre)**

TIBIAL FRACTURES

The spectrum of lower leg injuries in skiing. Trevino SG, et al. **Clin Sports Med** 1982 Jul;1(2):263–76

[Closed fractures of the medial and distal third of the lower leg] Crivelli N, et al. **Ther Umsch** 1983 Nov;40(11):981–8 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Fractures of the distal tibial epiphysis in adolescence [letter] Peiró A, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1208

Lauge-Hansen classification: a clockwork injury. Weiss L, et al. **J Foot Surg** 1983 Fall;22(3):192–7

COMPLICATIONS

Post-fracture changes of the femur cortex. Nilsson BE, et al. **Acta Orthop Scand** 1983 Dec;54(6):862–4

Simultaneous bilateral rupture of the quadriceps tendon and leg fractures in a weightlifter. A case report. Grenier R, et al. **Am J Sports Med** 1983 Nov-Dec;11(6):451–3

Avulsion fracture of the tibial eminence associated with severe medial ligamentous injury in an adolescent. A case report and literature review. Hayes JM, et al. **Am J Sports Med** 1984 Jul-Aug;12(4):330–3

The successful treatment of a patient with extensive deep burns and an open comminuted fracture of a lower extremity. Wang XW, et al. **Burns Incl Therm Inj** 1984 Jun;10(5):339–43

Acute traumatic fibular bowing associated with tibial fractures. Golimbu C, et al. **Clin Orthop** 1984 Jan–Feb;(182):211–4

Pes cavovarus following ankle fracture. A case report. Horne G. **Clin Orthop** 1984 Apr;(184):249–50

Traumatic partial arrest of tibial physis. Mayer V, et al. **Clin Orthop** 1984 Mar;(183):99–104

Bony entrapment of the superficial peroneal nerve. Mino DE, et al. **Clin Orthop** 1984 May;(185):203–6

Incarceration of the meniscus in fractures of the intercondylar eminence of the tibia in children. Falstie-Jensen S, et al. **Injury** 1984 Jan;15(4):236–8

Popliteal arterial thrombosis resulting from disruption of the upper tibial epiphysis. McGuigan JA, et al. **Injury** 1984 Jul;16(1):49–50

Post-traumatic valgus deformity of the knee in proximal tibial metaphyseal fractures in children. Ippolito E, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):103–8

Post-traumatic cyst of the tibia. A case report. Johnson PH. **J Arkansas Med Soc** 1984 May;80(12):580–5

Beware: greenstick fracture of the proximal tibial metaphysis. Johnson PH. **J Arkansas Med Soc** 1983 Oct;80(5):215–8

Tetanus complicating an open trimalleolar fracture. A case report. Buchman MT, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):139–41

Instability of the distal tibiofibular syndesmosis after bimalleolar and trimalleolar ankle fractures. Leeds HC, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):490–503

Fracture of the tibial tuberosity with associated ligamentous and meuiscal tears. A case report. Lipscomb AB, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):790–2

Fracture of the anterior tibial spine in children. Grönkvist H, et al. **J Pediatr Orthop** 1984 Aug;4(4):465–8

Knee instability after fractures of the intercondylar eminence of the tibia. Smith JB. **J Pediatr Orthop** 1984 Aug;4(4):462–4

Varus deformity resulting from a medial malleolar fracture in a child. Case presentation. Connolly JF, et al. **Nebr Med J** 1983 Aug;68(8):270–2

Knee salvage utilizing the myocutaneous principle. Greminger RF, et al. **Plast Reconstr Surg** 1984 Jan;73(1):131–6

Proximal tibial physis fracture and popliteal artery injury. Rivero H, et al. **Radiology** 1984 Feb;150(2):390

[Avulsion fracture of the intercondylar tibial eminence] Rondhuis JJ. **Ned Tijdschr Geneeskd** 1983 Sep 10;127(37):1668–70 (Eng. Abstr.) **(Dut)**

[Ligamentous lesions associated with fractures of the tibial plateau] Koechlin P, et al. **Acta Orthop Belg** 1983;49(6):751–60 (Eng. Abstr.) **(Fre)**

[Experiences with simultaneous compression and neighboring distraction osteotomy using external fixation in infected defect pseudarthrosis of the tibia] Zippel H. **Beitr Orthop Traumatol** 1984 Mar;31(3):114–20 (Eng. Abstr.) **(Ger)**

[Management of skin defects in open fractures and post-traumatic osteomyelitis of crural bones] Konzal S, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):455–9 (Eng. Abstr.) **(Pol)**

[Degenerative-deforming processes in the ankle joint after fractures of the malleoli] Malcewicz S. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):21–5 (Eng. Abstr.) **(Pol)**

[Plastic repair of traumatic defects of the leg in suppurative infections] Umiarov GA. **Khirurgiia (Mosk)** 1984 Jan;(1):132–5 **(Rus)**

[Traumatic epiphysiolysis of the proximal part of the tibia (2 case reports)] Sarčev V, et al. **Med Pregl** 1983;36(5–6):217–21 (Eng. Abstr.) **(Ser)**

CONGENITAL

[Congenital pseudarthrosis of the tibia in children] Andrianov VL, et al. **Ortop Travmatol Protez** 1983 Oct;(10):43–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Stress fracture of the mid-tibial shaft. Orava S, et al. **Acta Orthop Scand** 1984 Feb;55(1):35–7

The diagnosis of stress fractures in athletes. Devereaux MD, et al. **JAMA** 1984 Jul 27;252(4):531–3

Comparison between radiography, bone scan, and ultrasound in the diagnosis of stress fractures. Giladi M, et al. **Milit Med** 1984 Aug;149(8):459–61

[Functional disorders after injuries of the bones of the foot and distal portion of the tibia and their prevention] Kaptelin FA, et al. **Ortop Travmatol Protez** 1983 Nov;(11):41–4 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Tibial fractures and patient insurance] Onnerfält R. **Lakartidningen** 1984 Feb 8;81(6):457–62 **(Swe)**

ETIOLOGY

The biomechanics of tibial shaft and knee injuries. Pope MH. **Clin Sports Med** 1982 Jul;1(2):229–39

Rotational refracture of the shaft of the adult tibia. Böstman OM. **Injury** 1983 Sep;15(2):93–8

Avulsion of the tibial tubercle in Paget's disease of bone: report of two cases. Douglas DL. **Injury** 1983 Nov;15(3):203–5

Spiral fracture of the distal tibia: an unusual stress fracture. Spector FC, et al. **J Foot Surg** 1983 Winter;22(4):358–61

Physeal, metaphyseal, and diaphyseal injuries of the lower extremities in children with myelomeningocele. Kumar SJ, et al. **J Pediatr Orthop** 1984 Jan;4(1):25–7

Proximal tibial epiphyseal fracture in an infant. Thompson GH, et al. **J Pediatr Orthop** 1984 Jan;4(1):114–7

Calcium metabolism, physical activity, and stress fractures [letter] Mustajoki P, et al. **Lancet** 1983 Oct 1;2(8353):797

[Biochemical aspects in the assessment of torsion fractures of the tibia in Alpine ski-sport] Menke W, et al. **Unfallheilkunde** 1983 Jul;86(7):337–40 (Eng. Abstr.) **(Ger)**

[Stress fractures in women] Stein M, et al. **Harefuah** 1984 May 1;106(9):412–3 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

[Experimental studies on immunologic disorders after bone fractures] Zołyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):1–5 (Eng. Abstr.) **(Pol)**

METABOLISM

Tissue oxygen tension in externally stabilized tibial fractures in rabbits during normal healing and infection. Aro H, et al. **J Surg Res** 1984 Sep;37(3):202–7

[Dynamics of the change in the mineral component of bone in fractures] Sveshnikov AA, et al. **Patol Fiziol Eksp Ter** 1984 May-Jun;(3):53–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Infected nonunion of the femur and tibia. Kelly PJ. **Orthop Clin North Am** 1984 Jul;15(3):481–90

PATHOLOGY

Morphological observations of torsional fractures of the adult tibial shaft. Böstman O. **Acta Orthop Scand** 1983 Aug;54(4):627–33

Histomorphologic changes in the tibial epiphysis after diaphyseal fracture. Obrant KJ, et al. **Clin Orthop** 1984 May;(185):270–5

[Triplane fractures of the lower shin bone in children and adults] Heinzle R. **Unfallchirurgie** 1983 Aug;9(4):204–8 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Effects of parathyroidectomy and vitamin D on fracture healing. Fracture biomechanics in rats after parathyroidectomy and treatment with 1,25-dihydroxycholecalciferol. Andreen O, et al. **Acta Orthop Scand** 1983 Dec;54(6):805–9

The stability of union in tibial shaft fractures: its measurement by a non-invasive method. Edholm P, et al. **Arch Orthop Trauma Surg** 1984;102(4):242–7

Fracture repair in the Snell dwarf mouse. Ashton IK, et al. **Br J Exp Pathol** 1983 Oct;64(5):479–86

The effects of immobilization, after lower leg fracture, on the contractile properties of human triceps surae. White MJ, et al. **Clin Sci** 1984 Mar;66(3):277–82

Fracture mechanics of bone—the effects of density, specimen thickness and crack velocity on longitudinal fracture. Behiri JC, et al. **J Biomech** 1984;17(1):25–34

Natural frequency of fracture fragments in the assessment of tibial fracture healing. Nokes LD, et al. **J Biomed Eng** 1984 Jul;6(3):227–9

Stability of union after tibial shaft fracture. Analysis by a non–invasive technique. Hammer R, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):529–34

[Serial strain gauge measurement of bone healing in Hoffmann external fixation] Nishimura N. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jan;58(1):23–40 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Anterior tibial striations. Daffner RH. **AJR** 1984 Sep; 143(3):651–3

Computed tomography of tibial plateau fractures. Rafii M, et al. **AJR** 1984 Jun;142(6):1181–6

Triplane fractures of the distal tibial epiphysis. Spiegel PG, et al. **Clin Orthop** 1984 Sep;(188):74–89

'Handedness' of spiral fractures of the tibia. Rosenthal DI, et al. **Skeletal Radiol** 1984;11(2):128–32

[Osteomyelography and pseudarthrosis of the leg] Vara–Thorbeck R, et al. **Rev Chir Orthop** 1984;70(2):89–92 (Eng. Abstr.) **(Fre)**

[Fatigue fracture of the leg in runners] Vuilleumier B, et al. **Schweiz Z Sportmed** 1983 Sep;31(3):95–8 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Scintigraphic diagnosis of stress–induced incomplete fractures of the proximal tibia. Collier BD, et al. **J Trauma** 1984 Feb;24(2):156–60

[Radionuclide study of blood circulation in extremities during treatment of tibial fractures by the G.A.Ilizarov method] Sveshnikov AA, et al. **Med Radiol (Mosk)** 1984 Aug; 29(8):52–6 (Eng. Abstr.) **(Rus)**

REHABILITATION

Perspective on ski fractures of the leg and ankle. Seligson D. **Clin Sports Med** 1982 Jul;1(2):253–62

SURGERY

Stress–protection after external fixation on the intact rabbit tibia. Terjesen T, et al. **Acta Orthop Scand** 1983 Aug; 54(4):648–54

Healing of rabbit tibial fractures using external fixation. Effects of removal of the fixation device. Terjesen T. **Acta Orthop Scand** 1984 Apr;55(2):192–6

Plate fixation of tibial fractures in the rabbit. Correlation of bone strength with duration of fixation. Terjesen T. **Acta Orthop Scand** 1984 Aug;55(4):452–6

Treatment of infected tibial pseudarthrosis by external fixation with the Wagner device. Valentí JR, et al. **Arch Orthop Trauma Surg** 1984;102(4):256–9

Latissimus dorsi myocutaneous free flap vascularised by an extra–anatomic graft in the lower limb following traumatic disruption of the popliteal artery. Fisher J, et al. **Br J Plast Surg** 1983 Oct;36(4):480–2

Tibia anterior spine fracture treated by percutaneous poking reduction and internal fixation. Feng DY, et al. **Chin Med J [Engl]** 1983 Dec;96(12):941–3

External fixation of severe open tibial fractures with the Hoffmann frame. Karlström G, et al. **Clin Orthop** 1983 Nov; (180):68–77

Open fractures of the tibia treated by the Hoffmann external fixator. Velazco A, et al. **Clin Orthop** 1983 Nov; (180):125–32

The case for an open approach to tibial nailing. Bintcliffe IW, et al. **Injury** 1984 May;15(6):407–10

Patellar graft for late disability following tibial plateau fractures. Karpinski MR, et al. **Injury** 1983 Nov; 15(3):197–202

A survey of 240 cases of fractures of the tibia treated by AO compression plating. Grassi G, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):131–42

Distal tibial physeal fractures in children that may require open reduction. Kling TF Jr, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):647–57

Late osteochondral allograft resurfacing for tibial plateau fractures. Locht RC, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):328–35

A surgical approach to a displaced ankle fracture. Sachs W, et al. **J Foot Surg** 1984 Jul–Aug;23(4):302–7

Free vascularized fibular graft. Ito T, et al. **J Trauma** 1984 Aug;24(8):756–60

Soft–tissue reconstruction of the leg associated with the use of the Hoffmann external fixator. Velazco A, et al. **J Trauma** 1983 Dec;23(12):1052–7

The treatment of tibial diaphysial bone defects in adults. Haque IU. **Med J Zambia** 1983 Jul;17(3):65–72

The study and clinical application of the osteocutaneous flap of fibula. Chen ZW, et al. **Microsurgery** 1983;4(1):11–6

Medial malleolar fracture in a child—closed or open treatment? Ray SK, et al. **Nebr Med J** 1983 Nov; 68(11):360–2

Low cost external fixation for compound tibial fractures. Lourie JA. **Papua New Guinea Med J** 1983 Mar;26(1):62–3

Coverage of wounds in the distal lower leg by advancement of an enlarged medial gastrocnemius skin flap. Cheng HH, et al. **Plast Reconstr Surg** 1984 Apr;73(4):671–7

[Treatment of open fractures of the tibia associated with defects of the soft tissue using an external fixation frame—Poldi IV] Capla D, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr;51(2):145–56 (Eng. Abstr.) **(Cze)**

[Epiphyseal detachment of the proximal end of the tibia in a child with a vascular lesion. Apropos of a case] Marry JP, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):379–83 (Eng. Abstr.) **(Fre)**

[Infection incidence following closed or open nailing of closed fractures] Maatz R. **Aktuel Traumatol** 1983 Aug; 13(4):175–8 (72 ref.) (Eng. Abstr.) **(Ger)**

[Intramedullary nailing, an unstable but load bearing osteosynthesis] Weller S. **Aktuel Traumatol** 1984 Aug; 14(4):146–50 (Eng. Abstr.) **(Ger)**

[Biomechanical and histological studies following intramedullary nailing of the tibia] Pfister U. **Fortschr Med** 1983 Oct 6;101(37):1652–9 (Eng. Abstr.) **(Ger)**

[Modification of osteomyelitis with free musculocutaneous transplants] Jaeger K, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):158–63 (Eng. Abstr.) **(Ger)**

[A new combined local transferable flap technic for closure of pretibial soft tissue defects] Müller HA, et al. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):268–72 (Eng. Abstr.) **(Ger)**

[Treatment of bone and soft tissue defects in the distal part of the shank] Rheiner P. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):265–7 (Eng. Abstr.) **(Ger)**

[Soft tissue–plasty for the restoration of infected defects of the lower extremity] Habermeyer P, et al. **Orthopade** 1983 Sep;12(4):205–17 **(Ger)**

[Fractures of the proximal tibia metaphysis] Koch A, et al. **Ther Umsch** 1983 Nov;40(11):978–80 (Eng. Abstr.) **(Ger)**

[Osteosynthesis of distal lower leg fractures] Knipprath J, et al. **Unfallchirurgie** 1983 Aug;9(4):202–3 (Eng. Abstr.) **(Ger)**

[Fractures of the distal tibial epiphysis] Linhart W, et al. **Unfallheilkunde** 1983 Dec;86(12):510–4 (Eng. Abstr.) **(Ger)**

[Bone healing following stable external osteosynthesis] Müller KH, et al. **Unfallheilkunde** 1983 Aug;86(8):341–8 (Eng. Abstr.) **(Ger)**

[Proximal intra–articular tibial fractures] Tscherne H, et al. **Unfallheilkunde** 1984 Jul;87(7):277–89 (Eng. Abstr.) **(Ger)**

[Use of the AO plate as external fixation] Marti R, et al. **Z Orthop** 1984 Mar–Apr;122(2):225–32 (Eng. Abstr.) **(Ger)**

[Is fracture healing in the presence of biocompatible implant materials tantalum and niobium different in comparison to steel implants?] Rabenseifner L, et al. **Z Orthop** 1984 May–Jun;122(3):349–55 (Eng. Abstr.) **(Ger)**

[Unusual joint–spanning use of external fixation in para–articular fractures, especially in the elderly] Baumgartner R. **Z Unfallchir Versicherungsmed Berufskr** 1983;76(3):155–7 **(Ger)**

[Experience with the surgical treatment of fractures of the lower leg] Bárány I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):49–55 (Eng. Abstr.) **(Hun)**

[Intertibia–peroneal transplant in the treatment of infectious pseudarthrosis of the tibia] Barile L, et al. **Arch Putti Chir Organi Mov** 1983;33:335–41 (Eng. Abstr.) **(Ita)**

[Osteotomy of the knee with an axial external fixation device] Aldegheri R, et al. **Chir Organi Mov** 1982–83;68(2):207–11 (Eng. Abstr.) **(Ita)**

[Treatment of closed diaphyseal fractures of the leg. Clinico–statistic considerations about 227 cases] Carretti P, et al. **Chir Organi Mov** 1981–82;67(6):663–72 (Eng. Abstr.) **(Ita)**

[Treatment of open diaphyseal fractures of the leg. Clinico–statistical considerations in 93 cases] Fontanesi G, et al. **Chir Organi Mov** 1982–83;68(2):141–52 (Eng. Abstr.) **(Ita)**

[Treatment of tibial fractures with elastic nails] Negri L. **Chir Organi Mov** 1981–82;67(6):635–43 (Eng. Abstr.) **(Ita)**

[Critical interpretation of the evolution of displaced fractures of the tibial plateau] Traina GC, et al. **Chir Organi Mov** 1982–83;68(1):41–9 (Eng. Abstr.) **(Ita)**

[Floating knee fracture (ipsilateral fracture of the femur and tibia)—treatment by closed Ender nailing] Katada S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 May;58(5):475–83 (Eng. Abstr.) **(Jpn)**

[Fractures of the distal part of the tibia – indications for surgical treatment] Börner M, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):11–5 (Eng. Abstr.) **(Pol)**

[Surgical treatment of malleolar fractures] Hlavaty A, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):497–508 (Eng. Abstr.) **(Pol)**

[Dermatoplasty in the treatment of open fractures of crural bones and weight–bearing areas] Kobus K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):213–7 (Eng. Abstr.) **(Pol)**

[Muscular, musculo–cutaneous and cutaneous island flaps in the treatment of open fractures and weight–bearing] Kobus K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):315–21 (Eng. Abstr.) **(Pol)**

[Healing of open fractures] Miodoński W, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):367–9 (Eng. Abstr.) **(Pol)**

[Various aspects of morphological variants of healing of experimentally infected fractured treated conservatively and surgically] Szram S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):249–53 (Eng. Abstr.) **(Pol)**

[Conservative treatment of malleolar fractures] Tylman D, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):479–96 (Eng. Abstr.) **(Pol)**

[Fractures of the malleoli of the crural bones as a diagnostic and therapeutic problem] Witczak A, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):117–20 (Eng. Abstr.) **(Pol)**

[Evaluation of callus formation after conservative and surgical treatment of experimental infected fractures] Zołyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(3):245–7 (Eng. Abstr.) **(Pol)**

[Electron radioautographic study of osteogenesis during distraction osteosynthesis] Sarkisov DS, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):97–9 (Eng. Abstr.) **(Rus)**

[Xenobrephoplasty in treating diaphyseal fractures, nonunions and pseudarthroses of the tibia] Berdyev T. **Ortop Travmatol Protez** 1984 Jun;(6):22–5 (Eng. Abstr.) **(Rus)**

[A method of treatment of oblique and spiral fractures of the crural bones] Gertsen IG, et al. **Ortop Travmatol Protez** 1984 Feb;(2):52–4 **(Rus)**

[Experience with closed lateral compression osteosynthesis] Gudushauri ON, et al. **Ortop Travmatol Protez** 1984 Jan; (1):49–50 **(Rus)**

[Various possibilities for improving the results of treatment of patients with diaphyseal fractures of the leg bones] Kalnberz VK, et al. **Ortop Travmatol Protez** 1983 Nov; (11):18–21 (Eng. Abstr.) **(Rus)**

[Device for correction and osteosynthesis of the condyles in intra–articular fractures] Perepichka VD. **Ortop Travmatol Protez** 1984 Mar;(3):50–1 **(Rus)**

[Intraosseous metallosynthesis of the diaphysis of the tibia with opposing rods] Shaposhnikov VI. **Ortop Travmatol Protez** 1983 Nov;(11):47 **(Rus)**

[Characteristics of mineralization of bone tissue and regional blood flow in fractures of the crural bones] Kliuchevskii VV, et al. **Vestn Khir** 1983 Oct;131(10):92–3 **(Rus)**

[Simultaneous osteosynthesis of 4 segments in a patient with complicated multiple fractures] Platonov IuF, et al. **Vestn Khir** 1984 Mar;132(3):118–9 **(Rus)**

[An armature made of Kirschner's wires in the reconstruction of compressions of the plateau of the tibial condyle] Pilih R. **Acta Chir Iugosl** 1984;31(1):33–8 (Eng. Abstr.) **(Ser)**

[Cutaneous scapular flaps] Serra Renom JM, et al. **Rev Med Univ Navarra** 1983 Jun;27(2):11–3 **(Spa)**

[Osteomyocutaneous flap of pectoralis muscles. Personal technic] Serra Renom JM. **Rev Med Univ Navarra** 1983 Jun;27(2):28–30 **(Spa)**

THERAPY

External fixation by Hoffmann–Vidal–Adrey osteotaxis for severe tibial fractures. Treatment scheme and technical criticism. Aho AJ, et al. **Clin Orthop** 1983 Dec;(181):154–64

Tibial plateau fractures. An analysis of the results of treatment in 60 patients. Blokker CP, et al. **Clin Orthop** 1984 Jan–Feb;(182):193–9

Open tibial shaft fractures. Larsson K, et al. **Clin Orthop** 1983 Nov;(180):63–7

The Zaria metal hinge joint. Iwegbu CG, et al. **East Afr Med J** 1983 Nov;60(11):789–92

Vascular response in fractured limbs with and without immobilisation: an experimental study on rabbits. Mohanti RC, et al. **Int Orthop** 1983;7(3):173–7

Fractures of the upper–third of the tibial shaft. Prasad P, et al. **Int Surg** 1983 Jul–Sep;68(3):267–70

Functional bracing in lower limb fractures. Suman RK. **Ital J Orthop Traumatol** 1983 Jun;9(2):201–9

Salter–Harris Type–IV injuries of the distal tibial epiphyseal growth plate, with emphasis on those involving the medial malleolus. Cass JR, et al. **J Bone Joint Surg [Am]** 1983 Oct;65(8):1059–70

Is conservative treatment of displaced tibial shaft fractures justified? Haines JF, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):84–8

Treatment of nonunion of the tibia with a capacitively coupled electrical field. Brighton CT, et al. **J Trauma** 1984 Feb;24(2):153–5

The A–O external skeletal fixator in the treatment of severe tibia fractures. Gershuni DH, et al. **J Trauma** 1983 Nov; 23(11):986–90

Pulsed magnetic field therapy for tibial non–union. Interim results of a double–blind trial. Barker AT, et al. **Lancet** 1984 May 5;1(8384):994–6

Pulsed magnetic fields for tibial non–union . . . [letter] Le Vay D. **Lancet** 1984 Jun 9;1(8389):1295

Pulsed magnetic field therapy for tibial non–union [letter] O'Connor BT. **Lancet** 1984 Jul 21;2(8395):171–2

Open 'combine' fracture of the tibia treated by the Orr technique. Connolly JF. **Nebr Med J** 1984 Feb;69(2):47–50

Open fractures of the ipsilateral femur and tibia—'the floating knee'. Connolly JF, et al. **Nebr Med J** 1984 Mar;69(3):72–5

Fractures of the intercondylar eminence of the tibia in childhood. Driessen MJ, et al. **Neth J Surg** 1984 Jun; 36(3):69–72

Treatment of nonunion with a constant direct current: a totally implantable system. Paterson D. **Orthop Clin North Am** 1984 Jan;15(1):47–59

[Fractures of the anterior intercondylar eminence] Zeman M, et al. **Rozhl Chir** 1984 Feb;63(2):122–5 (Eng. Abstr.) **(Cze)**

[Treatment of fractures of the tibial plateau using percutaneous manipulation and fixation of nails] Yuan-Zhang M, et al. **Acta Orthop Belg** 1983 Sep–Oct; 49(5):553–63 **(Fre)**

[84 fractures of the lower end of the tibia in adults. Attempt at a classification] Vives P, et al. **Rev Chir Orthop** 1984; 70(2):129–39 (Eng. Abstr.) **(Fre)**

[Arterial spasm caused by administration of DHE–heparin in a tibial fracture] Hertz H, et al. **Aktuel Traumatol** 1984 Aug;14(4):142–5 (Eng. Abstr.) **(Ger)**

[Late results after conservative treatment of juvenile leg fractures] Scharf W, et al. **Unfallchirurgie** 1983 Dec; 9(6):329–33 (Eng. Abstr.) **(Ger)**

[Classification and therapy of avulsion fractures of the intercondylar eminence during growth] von Laer L, et al. **Unfallheilkunde** 1984 Apr;87(4):144–50 (Eng. Abstr.) **(Ger)**

[Triplane fractures of the distal tibia] Wicky B, et al. **Z Kinderchir** 1983 Apr;38 Suppl:51–5 (Eng. Abstr.) **(Ger)**

[Complications of the treatment of leg fractures] Tausch W, et al. **Zentralbl Chir** 1983;108(19):1217–24 (Eng. Abstr.) **(Ger)**

[Our experience in the bloodless treatment of fractures with the DOS (dynamic osteosynthesis) external fixation apparatus based on the Ilizarov principle] Bignardi A, et al. **Chir Organi Mov** 1982–83;68(1):51–68 (Eng. Abstr.) **(Ita)**

[Use of functional casts in leg fractures] Mirra V. **Chir Organi Mov** 1982–83;68(3):405–11 (Eng. Abstr.) **(Ita)**

[Guidelines for treating fractures of the tibial plateau] Zanasi R, et al. **Chir Organi Mov** 1982–83;68(2):169–84 (Eng. Abstr.) **(Ita)**

[Effect of long-term traction of crural bones on the knee joint cleft in proximal epiphyseal fractures of the tibia treated by early passive and active movements in the injured joint] Patyk C, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):227–31 (Eng. Abstr.) **(Pol)**

[Is non-surgical treatment of fractures of both malleoli permitted in 1982?] Vichard P. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):17–20 (Eng. Abstr.) **(Pol)**

[Treatment of fractures of the distal meta-epiphysis of the tibia] Al'-Khmud S. **Ortop Travmatol Protez** 1983 Dec; (12):51–6 (Eng. Abstr.) **(Rus)**

[Our experience using an elastic supporting base under the plaster cast on the lower limb] Shumada IV, et al. **Ortop Travmatol Protez** 1984 Feb;(2):33–6 (Eng. Abstr.) **(Rus)**

[Improvements in methods of treating closed diaphyseal fractures of the bones of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1984 Mar;(3):40–4 (Eng. Abstr.) **(Rus)**

[Experience with the treatment of open diaphyseal fractures of the bones of the leg] Nikol'skaia MA, et al. **Vestn Khir** 1984 Feb;132(2):62–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Treatment of radial–ulnar and tibial fractures in cattle, using a modified Thomas splint–cast combination. Adams SB, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):430–3

Focal metaphyseal osteomyelitis following open fracture in three horses. Stickle RL, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):797–8

Separation of proximal tibial epiphysis in a dog. Alvarenga J, et al. **Mod Vet Pract** 1984 Mar;65(3):224–5

TIBIAL MENISCUS see **SEMILUNAR CARTILAGES**

TIBIAL NERVE

Endobronchial metastasis from malignant Schwannoma. Amin R. **Br J Radiol** 1984 Jun;57(678):528–30

ANATOMY & HISTOLOGY

Tibial nerve branching in the tarsal tunnel. Dellon AL, et al. **Arch Neurol** 1984 Jun;41(6):645–6

The relationships between the small saphenous vein and the common peroneal and tibial nerves in adult females: surgical and ethnic anatomy. de Souza RR, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Mar–Apr; 38(2):80–2

BLOOD SUPPLY

[Tarsal tunnel syndrome caused by granulomatous arteritis of an artery supplying the posterior tibial nerve. Apropos of a case] Augereau B, et al. **J Chir (Paris)** 1984 Jan; 121(1):23–4 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Sampling schemes for estimating nerve fibre size. I. Methods for nerve trunks of mixed fascicularity. Mayhew TM, et al. **J Anat** 1984 Aug;139 (Pt 1):45–58

DRUG EFFECTS

Saltatory conduction of peripheral nerve impulse in clioquinol–treated rats. Homma S, et al. **Neurosci Lett** 1984 Apr 6;45(3):259–65

INJURIES

Tarsal tunnel syndrome: a manifestation of systemic disease. Oloff LM, et al. **J Foot Surg** 1983 Winter;22(4):302–7

PATHOLOGY

Changes in the compact myelin of single internodes during axonal atrophy. O'Neill JH, et al. **Acta Neuropathol (Berl)** 1984;63(4):313–8

Peripheral nerve abnormalities in the diabetic mutant mouse. Sharma AK, et al. **Diabetes** 1983 Dec;32(12):1152–61

Sampling schemes for estimating nerve fibre size. II. Methods for unifascicular nerve trunks. Mayhew TM, et al. **J Anat** 1984 Aug;139 (Pt 1):59–66

PHYSIOLOGY

Sensory nerve conduction velocity of cutaneous afferents of the radial, ulnar, peroneal, and tibial nerves of the cat: reference values. Redding RW, et al. **Am J Vet Res** 1984 May;45(5):1042–5

Surface recording of the spinal ventral root discharge in man. An experimental study. Ratto S, et al. **Brain** 1983 Dec;106 (Pt 4):897–909

Spinal and far-field components of human somatosensory evoked potentials to posterior tibial nerve stimulation analysed with oesophageal derivations and non-cephalic reference recording. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):635–51

Scalp topography of the short latency somatosensory evoked potentials following posterior tibial nerve stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1983 Nov;56(5):430–7

A method of calculating spinal cord transit time from potentials evoked by tibial nerve stimulation in normal subjects and in patients with spinal cord disease. Small M, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):156–64

Ulnar and posterior tibial nerve conduction velocity in athletes. Kamen G, et al. **Int J Sports Med** 1984 Feb; 5(1):26–30

[Spinal and cerebral somatosensory evoked potentials in single and double stimulation of the tibial nerve] Gerhard H, et al. **Arch Psychiatr Nervenkr** 1983;233(4):297–306 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

F response analysis of motor disorders of central origin. Fisher MA. **J Neurol Sci** 1983 Dec;62(1–3):13–22

[Frequency of the association of perforating plantar leprotic lesions and truncal involvement of the posterior tibial nerve] Boucher P, et al. **Acta Leprol (Geneve)** 1983 Jul–Sep; (92):177–82 (Eng. Abstr.) **(Fre)**

[Post-diphtheria polyneuropathies] Shmidt TE, et al. **Sov Med** 1984;(4):112–3 **(Rus)**

[The tendon test of the tibial nerve in Hansen's disease] Blank A, et al. **Hansenol Int** 1983 Dec;8(2):101–4 (Eng. Abstr.) **(Spa)**

SURGERY

Nerve regeneration through collagen tubes. Colin W, et al. **J Dent Res** 1984 Jul;63(7):987–93

TRANSPLANTATION

Failure of cyclosporin-A to induce immunological unresponsiveness to nerve allografts. Zalewski AA, et al. **Exp Neurol** 1984 Mar;83(3):659–63

Survival of nerve allografts in sensitized rats treated with cyclosporin A. Zalewski AA, et al. **J Neurosurg** 1984 Apr; 60(4):828–34

TIBRIC ACID see under **PIPERIDINES**

TIC

Tics in childhood. Golden GS. **Pediatr Ann** 1983 Nov; 12(11):821–4 (13 ref.)

CHEMICALLY INDUCED

Tics and vocalizations in children treated with carbamazepine. Neglia JP, et al. **Pediatrics** 1984 Jun; 73(6):841–4

DRUG THERAPY

Fluphenazine and multifocal tic disorders. Goetz CG, et al. **Arch Neurol** 1984 Mar;41(3):271–2

Effect of tetrabenazine on tics and sleep of Gilles de la Tourette's syndrome. Jankovic J, et al. **Neurology (NY)** 1984 May;34(5):688–92

PHYSIOPATHOLOGY

Clinical neurophysiology of muscle jerks: myoclonus, chorea, and tics. Marsden CD, et al. **Adv Neurol** 1983;39:865–81

PSYCHOLOGY

[Tics in children and their relation to Tourette's syndrome (editorial)] Lerman P. **Harefuah** 1983 Mar 1;104(5):207–9 **(Heb)**

TICARCILLIN see under **PENICILLINS**

TICK CONTROL

Acaricide resistance in ticks. Solomon KR. **Adv Vet Sci Comp Med** 1983;27:273–96 (112 ref.)

Control of Boophilus ticks on heifers with two pyrethroids applied as sprays. Davey RB, et al. **Am J Vet Res** 1984 May;45(5):1008–10

Efficacy of pyrethroid–impregnated ear tags for prophylaxis of tick-borne diseases of cattle. Taylor SM, et al. **Vet Rec** 1984 May 5;114(18):454–5

[Efficacy of the paraimmunity inducer PIND-AVI in Rhipicephalus evertsi evertsi infestations in sheep: current perspectives in tick control and the prevention of tick paralysis] Kraiss A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):58–63 (Eng. Abstr.) **(Ger)**

METHODS

Studies on ticks of veterinary importance in Nigeria XV—An attempt to control tick infestation on a herd of cattle grazed on tick infested pasture through acaricide treatment alone. Dipeolu OO. **Rev Elev Med Vet Pays Trop** 1983; 36(4):379–85

Use of chlorpyrifos for the control of Ixodes ricinus on pasture. Bevan WJ, et al. **Vet Rec** 1983 Oct 8;113(15):341

[Pheromone–induced communication of Argas (Persicargas) walkerae and biological chemical control using a combination of pheromone and a pheromone analog with flumethrin] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):161–79 (Eng. Abstr.) **(Ger)**

TICK INFESTATIONS

COMPLICATIONS

[Tick–borne meningoradiculitis—a form of spirochetosis] Caflisch U, et al. **Schweiz Med Wochenschr** 1984 May 5; 114(18):630–4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Immune responses of calves antigenically stimulated and challenge exposed with Anaplasma marginale during tick infestation or treatment with dexamethasone. Eckblad WP, et al. **Am J Vet Res** 1984 Mar;45(3):431–6

Ixodes holocyclus: kinetics of cutaneous basophil responses in naive, and actively and passively sensitized guinea pigs. Brown SJ, et al. **Exp Parasitol** 1984 Feb;57(1):40–7

Passage of hemolysins through the midgut epithelium of female Ixodes ricinus L. fed on rabbits infested or reinfested with ticks. Brossard M, et al. **Experientia** 1984 Jun 15; 40(6):561–3

Effect of host age on the expression of acquired resistance to ticks. Brown SJ. **Experientia** 1984 Feb 15;40(2):199–200

Effects of ultraviolet irradiation on the acquisition and expression of tick resistance in guinea–pigs. Nithiuthai S, et al. **Immunology** 1984 Jan;51(1):153–9

OCCURRENCE

A focus of Lyme disease in Monmouth County, New Jersey. Bowen GS, et al. **Am J Epidemiol** 1984 Sep;120(3):387–94

Human parasitism by Otobius megnini (Acari: Argasidae) in New Mexico, USA. Eads RB, et al. **J Med Entomol** 1984 Mar 30;21(2):244

PARASITOLOGY

Effects of host–immunity on the life cycle of Hyalomma rufipes Koch, 1844 (Ixodoidea: Ixodidae). Rahman MH. **Folia Parasitol (Praha)** 1984;31(1):63–7

The use of tick transmission by Boophilus microplus to isolate pure strains of Babesia bovis, Babesia bigemina and Anaplasma marginale from cattle with mixed infections. Dalgliesh RJ, et al. **Vet Parasitol** 1983 Nov;13(4):317–23

PATHOLOGY

Ornithodorus tartakovskyi: quantitation and ultrastructure of cutaneous basophil responses in the guinea pig. McLaren DJ, et al. **Exp Parasitol** 1983 Oct;56(2):153–68

Significant changes in epidermal Langerhans cells of guinea–pigs infested with ticks (Dermacentor andersoni). Nithiuthai S, et al. **Immunology** 1984 Jan;51(1):133–41

PREVENTION & CONTROL

[Efficacy of the paraimmunity inducer PIND-AVI in Rhipicephalus evertsi evertsi infestations in sheep: current perspectives in tick control and the prevention of tick paralysis] Kraiss A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):58–63 (Eng. Abstr.) **(Ger)**

THERAPY

Tick removal [letter] Shakman RA. **West J Med** 1984 Jan; 140(1):99

TRANSMISSION

[Ticks (Acarina, Ixodoidea) of the Mascarene Islands (Indian Ocean) and diseases transmitted by them] Barré N, et al. **Rev Elev Med Vet Pays Trop** 1983;36(4):371–7 (Eng. Abstr.) **(Fre)**

VETERINARY

Control of Boophilus ticks on heifers with two pyrethroids applied as sprays. Davey RB, et al. **Am J Vet Res** 1984 May;45(5):1008–10

Tick resistance and the major histocompatibility system. Stear MJ, et al. **Aust J Exp Biol Med Sci** 1984 Feb;62 (Pt 1):47–52

Observations on the epidemiology of house infesting Rhipicephalus sanguineus in a household in Lagos, Nigeria. Dipeolu OO, et al. **Bull Anim Health Prod Afr** 1982 Mar; 30(1):29–30

Ecological studies on ticks (Acarina, Ixodidae) of Kordofan Region, Sudan. Osman OM, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):45–53

Binding of antigens to tissues: the example of Boophilus microplus and bovine skin. Willadsen P, et al. **Int J Parasitol** 1983 Dec;13(6):593–8

Domestic animals infested by hard ticks in Dakahlia, Egypt. El-Magied SA, et al. **J Egypt Soc Parasitol** 1983 Jun; 13(1):135–8

The role of wild birds and their ectoparasites (ticks) in the circulation and distribution of M. avium and possible formation of natural foci of avian tuberculosis. Kovalev GK. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):281–8

Ticks (Acari: Ixodidae) infesting common domestic animals in Al-Qasim Province, Saudi Arabia. Al-Khalifa MS, et al. **J Med Entomol** 1984 Jan 26;21(1):114–5

Parasitism by Ixodes dammini (Acari: Ixodidae) and antibodies to spirochetes in mammals at Lyme disease foci in Connecticut, USA. Magnarelli LA, et al. **J Med Entomol** 1984 Jan 26;21(1):52–7

Observations on body temperature of the host and resistance to the tick Boophilus microplus (Acari: Ixodidae). O'Kelly JC, et al. **J Med Entomol** 1983 Oct 5;20(5):498–505

Hosts and distribution of the bird-parasitizing tick Ixodes (Ixodes) euplecti in Africa. Hoogstraal H, et al. **J Parasitol** 1983 Dec;69(6):1179–81

The efficacy of ivermectin against helminth and arthropod parasites of impala. Horak IG, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):251–3

Ixodid ticks on feral swine in Florida. Greiner EC, et al. **J Wildl Dis** 1984 Apr;20(2):114–9

Antibodies to spirochetes in white-tailed deer and prevalence of infected ticks from foci of Lyme disease in Connecticut. Magnarelli LA, et al. **J Wildl Dis** 1984 Jan;20(1):21–6

Studies on ticks of veterinary importance in Nigeria XV—An attempt to control tick infestation on a herd of cattle grazed on tick infested pasture through acaricide treatment alone. Dipeolu OO. **Rev Elev Med Vet Pays Trop** 1983; 36(4):379–85

Camel production in Kenya and its constraints. II. Tick infestation. Dolan R, et al. **Trop Anim Health Prod** 1983 Aug;15(3):179–85

Observations on anaplasmosis following field exposure to heavy and light infestations with Boophilus microplus. Corrier DE, et al. **Vet Parasitol** 1983 Sep;13(2):187–90

Tick borne fever in in-bye sheep [letter] Mitchell GB, et al. **Vet Rec** 1983 Jul 30;113(5):119

Efficacy of ivermectin against the sand tampan (Ornithodoros savignyi). Soll MD, et al. **Vet Rec** 1984 Jan 21;114(3):70

Rickettsia conorii isolated from Rhipicephalus sanguineus introduced into Switzerland on a pet dog. Péter O, et al. **Z Parasitenkd** 1984;70(2):265–70

TICK PARALYSIS see under **TICK TOXICOSES**

TICK TOXICOSES

DIAGNOSIS

[Meningopolyneuritis (Garin-Bujadoux, Bannwarth). Clinical aspects and laboratory findings] Kristoferitsch W, et al. **Nervenarzt** 1983 Dec;54(12):640–6 **(Ger)**

PREVENTION & CONTROL

Tick-paralysis toxoid: an effective immunizing agent against the toxin of Ixodes holocyclus. Stone BF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):189–91

VETERINARY

Tick (Acari: Ixodidae) paralysis in dogs from northern California: acarological and clinical findings. Lane RS, et al. **J Med Entomol** 1984 May 30;21(3):321–6

Tick toxicosis in a crossbred terrier caused by Hyalomma truncatum. Burr EW. **Vet Rec** 1983 Sep 17;113(12):260–1

[Efficacy of the paraimmunity inducer PIND-AVI in Rhipicephalus evertsi evertsi infestations in sheep: current perspectives in tick control and the prevention of tick paralysis] Kraiss A, et al. **Zentralbl Veterinarmed [B]** 1984 Feb;31(1):58–63 (Eng. Abstr.) **(Ger)**

TICKS

Acaricide resistance in ticks. Solomon KR. **Adv Vet Sci Comp Med** 1983;27:273–96 (112 ref.)

Tick bite: two cases studied by scanning electron microscopy. Aoki K, et al. **Br J Dermatol** 1984 Feb;110(2):233–40

A five-year evaluation of tularemia in Arkansas. McChesney TC, et al. **J Arkansas Med Soc** 1983 Nov;80(6):257–62

Susceptibility of Indian dog tick Rhipicephalus sanguineus (Latreille) to insecticides. Kumar K, et al. **J Commun Dis** 1983 Dec;15(4):264–7

Ixodid ticks from Kallar and Buliar areas of Nilgiri Hills (T. N.). Saxena VK, et al. **J Commun Dis** 1983 Sep; 15(3):209–10

Dermacentor (Indocentor) compactus (Acari: Ixodoidea: Ixodidae): wild pigs and other hosts and distribution in Malaysia, Indonesia, and Borneo. Hoogstraal H, et al. **J Med Entomol** 1984 Mar 30;21(2):174–8

Ixodes soricis Gregson recovered from the dwarf shrew in New Mexico. Pfaffenberger GS. **J Wildl Dis** 1984 Jan; 20(1):64

Spirochetes in erythema chronicum migrans [letter] Berger BW. **N Engl J Med** 1984 Feb 23;310(8):529–30

Lone Star tick sighted in Newport County [letter] Myers JE. **RI Med J** 1983 Aug;66(8):331

The occurrence of the brown dog tick, Rhipicephalus sanguineus (Latr. 1806), a possible vector of the spotted fever group rickettsiae, on sheep in the Negev region in Israel [letter] Gross EM, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):139–40

Susceptibility of ticks to acaricides in Zambia. Luguru SM, et al. **Trop Anim Health Prod** 1984 Feb;16(1):21–6

Tick toxicosis in a crossbred terrier caused by Hyalomma truncatum. Burr EW. **Vet Rec** 1983 Sep 17;113(12):260–1

[Erythema chronicum migrans and the importance of discovering its cause for further practice] Chalupský J. **Cas Lek Cesk** 1984 Apr 13;123(15):454 **(Cze)**

[Spirochete etiology of erythema chronicum migrans disease] Ackermann R, et al. **Dtsch Med Wochenschr** 1984 Jan 20; 109(3):92–7 (Eng. Abstr.) **(Ger)**

[Problems of acaricide resistance of strains of ixodic and argasid ticks] Gothe R, et al. **DTW** 1983 Dec 5;90(12):534–9 concl **(Ger)**

[A case of arthritis following tick bite (Lyme arthritis)] Weber K. **Hautarzt** 1984 Feb;35(2):104–5 **(Ger)**

[The most important scientific and practical problems of tick-borne borreliosis] Korenberg EI, et al. **Med Parazitol (Mosk)** 1984 Mar-Apr;(2):39–45 (39 ref.) (Eng. Abstr.) **(Rus)**

[Unbreakable cage for collecting and maintaining ixodid ticks] Shuteev MM. **Med Parazitol (Mosk)** 1983 Jul-Aug; (4):81–2 (Eng. Abstr.) **(Rus)**

[Data on the distribution and ecology of Ixodes trianguliceps (Ixodidae) in Kharkov Province] Naglova RI, et al. **Parazitologiia** 1983 Sep-Oct;17(5):409–10 (3 ref.) (Eng. Abstr.) **(Rus)**

[Current status of the foci and morbidity of tick-borne relapsing fever in Uzbekistan] Vasil'eva IS, et al. **Parazitologiia** 1984 Jan-Feb;18(1):10–4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Observations on the subgenus Argas (Ixodoidea: Argasidae: Argas). 19. Description of the larva of the Palearctic cormorant parasite A. (A.) macrostigmatus. Hoogstraal H, et al. **J Parasitol** 1984 Apr;70(2):292–4

Notes on African Haemaphysalis ticks. XV. H. (Rhipistoma) norvali sp.n., a hedgehog parasite of the H. (R.) spinulosa group in Zimbabwe (Acarina: Ixodidae). Hoogstraal H, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):183–9

CLASSIFICATION

A checklist of types of Ixodoidea (Acari) in the collection of the Rocky Mountain Laboratories. Keirans JE, et al. **J Med Entomol** 1984 May 30;21(3):310–20

Ornithodoros (Alectorobius) yunkeri, new species (Acari: Ixodoidea: Argasidae), from seabirds and nesting sites in the Galapagos Islands. Keirans JE, et al. **J Med Entomol** 1984 May 30;21(3):344–50

[Description of the male Ixodes (Scaphixodes) unicavatus Neumann, 1908 (Acarina, Ixodidae)] Guiguen C, et al. **Ann Parasitol Hum Comp** 1984;59(3):271–5 (Eng. Abstr.) **(Fre)**

[Diagnosis of subgenera of the genus Dermacentor Koch by the larva and nymph and new data on the distribution of the subgenus Asiacentor (Ixodidae)] Filippova NA, et al. **Parazitologiia** 1984 Mar-Apr;18(2):135–9 (Eng. Abstr.) **(Rus)**

[Redescription of Dermacentor raskemensis Pomerantzev, 1946 (Ixodidae)—a representative of the mountain fauna of the southern regions of the USSR and adjacent territories] Filippova NA. **Parazitologiia** 1983 Jul-Aug; 17(4):283–92 (Eng. Abstr.) **(Rus)**

[New species of ixodid ticks (Ixodidae) for the fauna of Armenia] Ogandzhanian AM. **Parazitologiia** 1984 Mar-Apr;18(2):181–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Juvenoid-interruption to molting of Hyalomma dromedarii nymph. Ahmed SH, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):145–9

[Pheromone-induced communication of Argas (Persicargas) walkerae and biological chemical control using a combination of pheromone and a pheromone analog with flumethrin] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):161–79 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Studies on the water movements between the atmosphere and Hyalomma dromedarii eggs during embryogenesis, using 3HHO. Bassal TT, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):109–16

ENZYMOLOGY

Application of trans and cis isomers of p-nitrophenyl-(1R, S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarbox to the assay of pyrethroid-hydrolyzing esterases. Riddles PW, et al. **Anal Biochem** 1983 Jul 1;132(1):105–9

Acetylcholinesterase in developing embryos of Hyalomma rufipes Koch, 1844 (Ixodoidea: Ixodidae). Rahman MH. **Ann Trop Med Parasitol** 1984 Aug;78(4):405–8

Binding of antigens to tissues: the example of Boophilus microplus and bovine skin. Willadsen P, et al. **Int J Parasitol** 1983 Dec;13(6):593–8

GROWTH & DEVELOPMENT

Development of ixodid ticks under natural conditions in Nigeria. Dipeolu OO. **Trop Anim Health Prod** 1984 Feb; 16(1):13–20

Some ecological observations on two east-Mediterranean species of Haemaphysalis ticks parasitizing domestic stock. Feldman-Muhsam B, et al. **Vet Parasitol** 1983 Sep; 13(2):171–81

A weather-based prediction model for the life-cycle of the sheep tick, Ixodes ricinus L. Gardiner WP, et al. **Vet Parasitol** 1983 Aug;13(1):77–84

[Seasonal dynamics in the development of Boophilus microplus and Amblyomma cajennense in Camagüey, Cuba] Alvarez M. **Vet Med Nauki** 1984;21(4):78–83 (Eng. Abstr.) **(Bul)**

IMMUNOLOGY

Phagocytosis of Coxiella burnetii by Hyalomma dromedarii tick haemocytes. Bázliková M, et al. **Acta Virol (Praha)** 1984 Jan;28(1):48–52

Passage of host serum components, including antibodies specific for Theileria sergenti, across the digestive tract of argasid and ixodid ticks. Fujisaki K, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):449–50

Ixodes holocyclus: kinetics of cutaneous basophil responses in naive, and actively and passively sensitized guinea pigs. Brown SJ, et al. **Exp Parasitol** 1984 Feb;57(1):40–7

ISOLATION & PURIFICATION

Hosts and distribution of the bird-parasitizing tick Ixodes (Ixodes) euplecti in Africa. Hoogstraal H, et al. **J Parasitol** 1983 Dec;69(6):1179–81

The ixodid tick burdens of various large ruminant species in South African nature reserves. Horak IG, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):221–8

[Ticks (Acarina, Ixodoidea) of the Mascarene Islands (Indian Ocean) and diseases transmitted by them] Barré N, et al. **Rev Elev Med Vet Pays Trop** 1983;36(4):371–7 (Eng. Abstr.) **(Fre)**

METABOLISM

Pharmacology of the octopamine-stimulated adenylate cyclase of the locust and tick CNS. Morton DB. **Comp Biochem Physiol [C]** 1984;78(1):153–8

Passage of hemolysins through the midgut epithelium of female Ixodes ricinus L. fed on rabbits infested or reinfested with ticks. Brossard M, et al. **Experientia** 1984 Jun 15; 40(6):561–3

Respiratory metabolism and morphogenesis of Hyalomma (H.) dromedarii nymph during metamorphosis. Ahmed SH. **J Egypt Soc Parasitol** 1984 Jun;14(1):137–44

Radiorespirometric determination of contribution of pentose phosphate cycle to metabolism of glucose in Dermacentor andersoni. Bassal TT, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):101–7

Cytochemistry of glycogen distribution in the spermatozoa of the tick Hyalomma dromedarii. Swiderski Z, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):369–72

MICROBIOLOGY

Isolation of Thogoto virus from ticks in Portugal. Filipe AR, et al. **Acta Virol (Praha)** 1984 Mar;28(2):152–5

Crimean-congo hemorrhagic fever in South Africa. Swanepoel R, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1407–15

Development of colonies of Anaplasma marginale in the gut of incubated Dermacentor andersoni. Kocan KM, et al. **Am J Vet Res** 1983 Sep;44(9):1617–20

Demonstration of colonies of Anaplasma marginale in the midgut of Rhipicephalus simus. Potgieter FT, et al. **Am J Vet Res** 1983 Dec;44(12):2256–61

Mixed infections with tick-borne viruses in a seabird colony in Eire. Nuttall PA, et al. **Arch Virol** 1984;79(1-2):35–44

Tularaemia transmitted by ticks (Dermacentor andersoni) in Saskatchewan. Gordon JR, et al. **Can J Comp Med** 1983 Oct;47(4):408–11

The replication and eclipse-phase of the tick-borne encephalitis virus in Dermacentor reticulatus. Nosek J, et al. **Folia Parasitol (Praha)** 1984;31(2):187–9

Muroor virus: a new arbovirus isolated in India from the bat tick (Ornithodoros piriformis). Sreenivasan MA, et al. **Indian J Med Res** 1983 Sep;78:295–9

Spatial distribution of infected Haemaphysalis nymphs in the epizootic localities of Kyasanur forest disease. Sreenivasan MA, et al. **Indian J Med Res** 1983 Oct;78:531–6

Lyme disease: a selective medium for isolation of the suspected etiological agent, a spirochete. Johnson SE, et al. **J Clin Microbiol** 1984 Jan;19(1):81–2

Evidence for flavivirus(es) outside of the distribution area for Ixodes ricinus in Norway. Traavik T, et al. **J Hyg (Lond)** 1984 Aug;93(1):133–8

Spirochetes in Ixodes dammini and Babesia microti on Prudence Island, Rhode Island. Anderson JF, et al. **J Infect Dis** 1983 Dec;148(6):1124

Isolation of Francisella tularensis and Powassan virus from ticks (Acari: Ixodidae) in Ontario, Canada. Artsob H, et al. **J Med Entomol** 1984 Mar 30;21(2):165–8

Antibodies to spirochetes in white-tailed deer and prevalence of infected ticks from foci of Lyme disease in Connecticut. Magnarelli LA, et al. **J Wildl Dis** 1984 Jan;20(1):21–6

Tick-borne diseases. Hornick RB. **NY State J Med** 1983 Jul–Sep;83(8–10):1036

Tick-borne ulceroglandular tularemia. Leggiadro RJ, et al. **NY State J Med** 1983 Jul–Sep;83(8–10):1053–4

Borrelia crocidurae localization and transmission in Ornithodoros erraticus and O. savignyi. Gaber MS, et al. **Parasitology** 1984 Jun;88 (Pt 3):403–13

Amblyomma americanum: a potential vector of Lyme disease in New Jersey. Schulze TL, et al. **Science** 1984 May 11; 224(4649):601–3

Observations on anaplasmosis following field exposure to heavy and light infestations with Boophilus microplus. Corrier DE, et al. **Vet Parasitol** 1983 Sep;13(2):187–90

Characterization and taxonomic status of tick spiroplasmas: a review. Tully JG, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):599–603 (24 ref.)

[Study of arboviruses in the region of Most from 1981 to 1982. Isolation of Tahyna viruses] Málková D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar;33(2):88–96 (Eng. Abstr.) **(Cze)**

[Visualization of the Soldado virus by electron microscopy in the tissues of the vector tick Ornithodoros (Alectorobius) maritimus Vermeil and Marguet, 1967] Chastel C, et al. **Ann Parasitol Hum Comp** 1984;59(1):1–6 (Eng. Abstr.) **(Fre)**

[Viral titers in Ixodes persulcatus ticks from various parts of a tick-borne encephalitis infected area] Bannova GG, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb;(1):34–6 (Eng. Abstr.) **(Rus)**

[Relation between the population count of taiga ticks (Ixodes persulcatus P. Sch.) and their virophoricity in the tick-borne encephalitis foci of Novgorod Province] Fedorova VG, et al. **Med Parazitol (Mosk)** 1984 Jan–Feb; (1):37–9 (Eng. Abstr.) **(Rus)**

[Mono- and mixed infection by the tick-borne encephalitis and Powassan viruses of tissue explants from ticks of the genus Hyalomma] Chunikhin SP, et al. **Parazitologiia** 1984 Mar–Apr;18(2):116–22 (Eng. Abstr.) **(Rus)**

[Susceptibility of Ornithodoros papillipes (Argasidae) ticks to the rickettsia Coxiella burnetii] Dalter AB. **Parazitologiia** 1984 Mar–Apr;18(2):128–34 (Eng. Abstr.) **(Rus)**

[Tick-borne encephalitis viral titers of engorged adult Ixodes persulcatus ticks] Korenberg EI, et al. **Parazitologiia** 1984 Mar–Apr;18(2):123–7 (Eng. Abstr.) **(Rus)**

[Processes of bacterial L transformation and L form reversion in the body of argasid ticks] Levina GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):47–51 (Eng. Abstr.) **(Rus)**

[Contribution to the detection of a natural focus of tick-borne encephalitis in the southern part of Central Slovakia] Greliková M, et al. **Bratisl Lek Listy** 1983 Oct;80(4):415–22 (Eng. Abstr.) **(Slo)**

[Birds infected with Ornithodorus ticks, virus vectors] Cerny V. **Rev Cubana Med Trop** 1983 May–Aug;35(2):181–5 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

The development of Theileria annulata in the salivary glands of the vector tick Hyalomma anatolicum anatolicum. Reid GD, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):409–21

The effect of chemotherapy on Babesia bigemina in the tick vector Boophilus microplus. de Vos AJ, et al. **Int J Parasitol** 1984 Jun;14(3):249–52

Some factors controlling the stimulation of sporogony of Theileria parva in its tick vector Rhipicephalus appendiculatus. Young AS, et al. **Int J Parasitol** 1984 Feb; 14(1):97–102

The interaction of Babesia caballi kinetes with tick cells. Kurtti TJ, et al. **J Invertebr Pathol** 1983 Nov;42(3):334–43

Ultrastructural study on the development of Babesia equi (Coccidia: Piroplasmia) in the salivary glands of its vector ticks. Moltzaann UG, et al. **J Protozool** 1983 May; 30(2):218–25

Invasion of Babesia microti into epithelial cells of the tick gut. Rudzinska MA, et al. **J Protozool** 1983 May; 30(2):338–46

Isolation and transmission of Theileria mutans (Chisamba) in Zambia. Musisi FL, et al. **Res Vet Sci** 1984 Jan; 36(1):129–31

Natural infection rates of Hyalomma anatolicum anatolicum with theileria in Sudan. Walker AR, et al. **Res Vet Sci** 1983 Jul;35(1):87–90

Infection rates of Theileria annulata in the salivary glands of the tick Hyalomma marginatum rufipes. Jongejan F, et al. **Vet Parasitol** 1983 Sep;13(2):121–6

Preparation of suspensions of Hyalomma excavatum ticks infected with Theileria annulata. Samish M, et al. **Vet Parasitol** 1983 Oct;13(3):267–72

The maturation of Theileria annulata in Hyalomma anatolicum anatolicum stimulated by incubation or feeding to produce sporozoites. Walker AR, et al. **Vet Parasitol** 1983 Aug;13(1):13–21

Note on the transmission of Theileria annulata by Hyalomma ticks in the Sudan. Mustafa Uel-H, et al. **Vet Q** 1983 Jul; 5(3):112–3

[Borreliosis caused by ticks in Senegal; apropos of 23 cases] Aubry P, et al. **Dakar Med** 1983;28(3):413–20 (Eng. Abstr.) **(Fre)**

[Recent advances in the study of the vector role of ticks of the genus Amblyomma (Ixodidae)] Uilenberg G. **Rev Elev Med Vet Pays Trop** 1983;36(1):61–6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Blood digestion in Ornithodorus moubata Murray sensu stricto Walton females (Ixodoidea: Argasidae) II. Modifications of midgut cells related to the digestive cycle and to the triggering action of mating. Grandjean O. **Ann Parasitol Hum Comp** 1983;58(5):493–514

Studies on ticks of veterinary importance in Nigeria. VIII. Differences observed in the biology of ticks which fed on different domestic animal hosts. Dipeolu OO, et al. **Folia Parasitol (Praha)** 1984;31(1):53–61

Effects of host-immunity on the life cycle of Hyalomma rufipes Koch, 1844 (Ixodoidea: Ixodidae). Rahman MH. **Folia Parasitol (Praha)** 1984;31(1):63–7

Artificial feeding of the Australian paralysis tick, Ixodes holocyclus and collection of paralysing toxin. Stone BF, et al. **Int J Parasitol** 1983 Oct;13(5):447–54

Ultrastructural study of spermatogenesis in the tick Hyalomma marginatum. El Said AM, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):63–6

Copulation and spermatophore formation in Hyalomma dromedarii. El Said AM, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):59–62

Longevity and mating behavior in males and parthenogenesis in females in hybridized Boophilus ticks (Acari: Ixodidae). Davey RB, et al. **J Med Entomol** 1983 Nov 30;20(6):614–7

Colonization and life cycle of Amblyomma variegatum (Acari: Ixodidae) in the laboratory in Puerto Rico. Garris GI. **J Med Entomol** 1984 Jan 26;21(1):86–90

Thelytoky in the American dog tick, Dermacentor variabilis (Acari: Ixodidae). Homsher PJ, et al. **J Med Entomol** 1984 May 30;21(3):307–9

Evidence of the role of the cheliceral digits in the perception of genital sex pheromones during mating in the American dog tick, Dermacentor variabilis (Acari: Ixodidae). Sonenshine DE, et al. **J Med Entomol** 1984 May 30; 21(3):296–306

Copulation and successful insemination by unfed Amblyomma triguttatum triguttatum Koch. Guglielmone AA, et al. **J Parasitol** 1983 Aug;69(4):786–7

The effects of 20-hydroxyecdysone and juvenile hormone III on tick cells. Kurtti TJ, et al. **J Parasitol** 1983 Dec; 69(6):1072–8

Effects of temperature and tick weight on expression of autogeny in the argasid tick Ornithodoros parkeri Cooley (acari: Argasidae). Pound JM, et al. **J Parasitol** 1984 Apr; 70(2):279–84

Polishing off ticks [letter] Sherman WT. **N Engl J Med** 1983 Oct 20;309(16):992

A bioassay technique for the pheromone emitted by Amblyomma hebraeum males. Rechav Y. **Onderstepoort J Vet Res** 1983 Jun;50(2):133–5

The efficacy of the Drummond adult test on Boophilus microplus females (Acarina: Ixodidae) subjected to various periods of cold storage prior to organophosphate testing. Spickett AM, et al. **Onderstepoort J Vet Res** 1983 Sep; 50(3):197–8

Fecundity-reducing pheromone in Argas (Persicargas) arboreus (Ixodoidea: Argasidae). Khalil GM. **Parasitology** 1984 Jun;88 (Pt 3):395–402

Studies on ticks of veterinary importance in Nigeria. XI. Observations on the biology of ticks detached from the red-flanked duiker (Cephamophys rufulatus) and parasites encountered in their blood. Dipeolu OO, et al. **Vet Parasitol** 1984 Mar;14(2):87–93

Studies on ticks of veterinary importance in Nigeria. VI. Comparisons of oviposition and the hatching of eggs of Hyalomma species. Dipeolu OO. **Vet Parasitol** 1983 Oct; 13(3):251–65

[Distribution and ecology of Dermacentor marginatus (Sulzer, 1776) (Ixodoidea) in the French Alps and their foothills] Gilot B, et al. **Acarologia** 1983 Oct;24(3):261–73 (Eng. Abstr.) **(Fre)**

[Abundance, seasonal activity pattern of individual D. niveus Neum., 1897 and the sex ratio in a natural population in the northern Turkmen SSR] Burenkova LA. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):55–9 (Eng. Abstr.) **(Rus)**

[Concept of the 'physiological age' of animals and its application to ixodid ticks] Razumova IV. **Parazitologiia** 1983 Sep–Oct;17(5):347–54 (44 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Observations on the subgenus Argas (Ixodoidea: Argasidae: Argas). 18. Haller's organ roof and anterior pit setae. Clifford CM, et al. **J Parasitol** 1983 Oct;69(5):967–76

The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 38. Haller's organ roof and anterior pit setae in Persicargas and Microargas. Hoogstraal H, et al. **J Parasitol** 1983 Oct; 69(5):977–85

[Pathogenesis of tick-bite granulomas. Ultrastructural study] Sala F, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec; 118(6):355–9 (Eng. Abstr.) **(Ita)**

[Electron microscopy study of the midgut of ticks after experimental infection with Karshi virus] Gushchina EA, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):235–40 (Eng. Abstr.) **(Rus)**

TICRYNAFEN see under **GLYCOLATES**

TIDAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

TIETZE'S SYNDROME

Eponym syndrome blindness: is there a cure? Patriquin DA. **J Am Osteopath Assoc** 1984 Mar;83(7):516–21

DIAGNOSIS

Tietze's syndrome: a clinical retrospective study. Verdickt W, et al. **Acta Clin Belg** 1984;39(1):13–7

[Tietze's syndrome as a manifestation of the metastasis of Grawitz's adenocarcinoma] Valešová M, et al. **Fysiatr Reumatol Vestn** 1984 Apr;62(2):88–90 (Eng. Abstr.) **(Cze)**

ETIOLOGY

[Tietze's syndrome] Hoppe V. **Rozhl Chir** 1984 Mar; 63(3):153–4 **(Cze)**

[Costal chondritis as a complication of purulent mediastinitis following median sternotomy] Podosinnikov AS, et al. **Grudn Khir** 1984 Jan–Feb;(1):70–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Unexpected frequency of idiopathic costochondral pain. Peyton FW. **Obstet Gynecol** 1983 Nov;62(5):605–8

PSYCHOLOGY

Tietze's syndrome. A bridge between neurocirculatory asthenia and mitral valve prolapse syndrome. Halle S. **J La State Med Soc** 1984 Mar;136(3):20–1 (9 ref.)

RADIOGRAPHY

Computed tomography of Tietze syndrome. Edelstein G, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):20–3

[Widening of the retrosternal soft tissue shadow in Tietze's syndrome] Szántó D. **ROFO** 1983 Oct;139(4):456–7 **(Ger)**

THERAPY

[Tietze's syndrome in women] Bychkova LK, et al. **Klin Med (Mosk)** 1983 Oct;61(10):51–3 (Eng. Abstr.) **(Rus)**

TILETAMINE see under **CYCLOHEXANES**

TILIDINE see under **CYCLOHEXANECARBOXYLIC ACIDS**

TILORONE see under **FLUORENES**

TIME

Timing and time perception. **Ann NY Acad Sci** 1984; 423:1–654

Relative time in trace conditioning. Balsam P. **Ann NY Acad Sci** 1984;423:211–27

Timing in animal learning and behavior: discussion paper. Fantino E. **Ann NY Acad Sci** 1984;423:292–5

Time horizons of foraging animals. Krebs JR, et al. **Ann NY Acad Sci** 1984;423:278–91

Time in cognitive processing and memory: discussion paper. Medin DL. **Ann NY Acad Sci** 1984;423:385–8

Time management: reducing the biocommunicator's stress. Rydesky MM. **J Biocommun** 1983 Dec;10(4):13–8

Time and the general practitioner: the patient's view. Hull FM, et al. **J R Coll Gen Pract** 1984 Feb;34(259):71–5

Physiological time and time-invariance. van Straalen NM. **J Theor Biol** 1983 Oct 7;104(3):349–57

Disturbances of the sense of time with special reference to the experience of timelessness. Arlow JA. **Psychoanal Q** 1984 Jan;53(1):13–37

TIME AND MOTION STUDIES see under **TASK PERFORMANCE AND ANALYSIS**

TIME FACTORS see under **TIME**

TIME PERCEPTION

Memory for spatial and temporal order in deaf children. Das JP. **Am Ann Deaf** 1983 Dec;128(7):894–9

Lateral specialization of a perpetual calendar task by a moderately mentally retarded adult. Burling TA 3d, et al. **Am J Ment Defic** 1983 Nov;88(3):326–8

Picture–digit differences in processing clock times. Goolkasian P. **Am J Psychol** 1984 Summer;97(2):259–83

Effects of response language and stimulus context upon judgments of visual and temporal extent. Hicks RE, et al. **Am J Psychol** 1983 Fall;96(3):365–75

Some effects of rhythmic context on melody recognition. Kidd G, et al. **Am J Psychol** 1984 Summer;97(2):153–73

Timing and time perception. **Ann NY Acad Sci** 1984; 423:1–654

Contingent aftereffects in duration judgments. Allan LG. **Ann NY Acad Sci** 1984;423:116–30

Properties of the internal clock. Church RM. **Ann NY Acad Sci** 1984;423:566–82

Subjective duration in rats: the psychophysical function. Eisler H. **Ann NY Acad Sci** 1984;423:43–51

Timing of motor programs and temporal patterns: discussion paper. Galanter E. **Ann NY Acad Sci** 1984;423:193–7

Scalar timing in memory. Gibbon J, et al. **Ann NY Acad Sci** 1984;423:52–77

A model for temporal generalization and discrimination. Heinemann EG. **Ann NY Acad Sci** 1984;423:361–71

Ultrastable stimulus–response latencies: towards a model of response–stimulus synchronization. Hopkins GW. **Ann NY Acad Sci** 1984;423:16–29

Processing of rhythmic sound structures by birds. Hulse SH, et al. **Ann NY Acad Sci** 1984;423:407–19

Timing perturbations with complex auditory stimuli. Jamieson DG, et al. **Ann NY Acad Sci** 1984;423:96–102

Time and contingency in classical conditioning. Jenkins HM. **Ann NY Acad Sci** 1984;423:242–53

The patterning of time and its effects on perceiving. Jones MR. **Ann NY Acad Sci** 1984;423:158–67

Incentive theory III: Adaptive clocks. Killeen PR. **Ann NY Acad Sci** 1984;423:515–27

Quantal and deterministic timing in human duration discrimination. Kristofferson AB. **Ann NY Acad Sci** 1984; 423:3–15

Time perception: discussion paper. Luce RD. **Ann NY Acad Sci** 1984;423:78–81

Time's role for information, processing, and normalization. Massaro DW. **Ann NY Acad Sci** 1984;423:372–84

Attentional bias between modalities: effect on the internal clock, memory, and decision stages used in animal time discrimination. Meck WH. **Ann NY Acad Sci** 1984; 423:528–41

Time in cognitive processing and memory: discussion paper. Medin DL. **Ann NY Acad Sci** 1984;423:385–8

Attentional effort and cognitive strategies in the processing of temporal information. Michon JA, et al. **Ann NY Acad Sci** 1984;423:298–321

Motivational and response factors in temporal differentiation. Platt JR. **Ann NY Acad Sci** 1984;423:200–10

Timing competence and timing performance: a cross–species approach. Richelle M, et al. **Ann NY Acad Sci** 1984; 423:254–68

The function of time discrimination and classical conditioning. Roberts S, et al. **Ann NY Acad Sci** 1984; 423:228–41

Temporal variables in delayed matching to sample. Roberts WA, et al. **Ann NY Acad Sci** 1984;423:335–45

On controlling force and time in rhythmic movement sequences: the effect of stress location. Semjen A, et al. **Ann NY Acad Sci** 1984;423:168–82

Timing in musical performance. Shaffer H. **Ann NY Acad Sci** 1984;423:420–8

Timing, learning, and forgetting. Shimp CP. **Ann NY Acad Sci** 1984;423:346–60

Time and memory. Staddon JE. **Ann NY Acad Sci** 1984; 423:322–34

Perception, production, and imitation of time ratios by skilled musicians. Sternberg S, et al. **Ann NY Acad Sci** 1984; 423:429–41

The perception of temporal events. Stubbs DA, et al. **Ann NY Acad Sci** 1984;423:30–42

Daily meal anticipation: interaction of circadian and interval timing. Terman M, et al. **Ann NY Acad Sci** 1984;423:470–87

Contingent aftereffects and situationally coded criteria: discussion paper. Treisman M. **Ann NY Acad Sci** 1984; 423:131–41

Timing of two–handed rhythmic performance. Vorberg D, et al. **Ann NY Acad Sci** 1984;423:390–406

Temporal order and duration: their discrimination and retention by pigeons. Wasserman EA, et al. **Ann NY Acad Sci** 1984;423:103–15

Motor disorder and the timing of repetitive movements. Wing AM, et al. **Ann NY Acad Sci** 1984;423:183–92

Perception and estimation of time. Fraisse P. **Annu Rev Psychol** 1984;35:1–36 (156 ref.)

'Pessimistic noise effects': the perception of reaction times in noise. Fisher S. **Can J Psychol** 1983 Jun;37(2):258–71

Developmental changes in auditory temporal perception. Morrongiello BA, et al. **Child Dev** 1984 Apr;55(2):461–71

Sorting of hemifield presented temporal and spatial stimuli. Brandeis R, et al. **Cortex** 1984 Jun;20(2):179–92

The effects of intensity on the detection of interaural differences of time in high–frequency trains of clicks. Dye RH Jr, et al. **J Acoust Soc Am** 1984 May;75(5):1593–8

Temporal gap resolution in narrow–band noises with center frequencies from 6000–14000 Hz. Fitzgibbons PJ. **J Acoust Soc Am** 1984 Feb;75(2):566–9

Temporal gap resolution in masked normal ears as a function of masker level. Fitzgibbons PJ. **J Acoust Soc Am** 1984 Jul;76(1):67–70

Gap detection as a function of frequency, bandwidth, and level. Shailer MJ, et al. **J Acoust Soc Am** 1983 Aug; 74(2):467–73

Binocular locus of brain hemisphere reversal of time information effect in schizophrenia. Mo SS, et al. **J Clin Psychol** 1984 Jan;40(1):230–6

Knowing before doing: discrimination by rats of a brief interruption of a tone. Eisler H. **J Exp Anal Behav** 1984 May;41(3):329–40

Children and adults' distance estimations in a large–scale environment: effects of time and clutter. Herman JF, et al. **J Exp Child Psychol** 1983 Dec;36(3):453–70

The role of memory and integration in early time concepts. Levin I, et al. **J Exp Child Psychol** 1984 Apr;37(2):262–70

Simultaneous temporal processing. Meck WH, et al. **J Exp Psychol [Anim Behav]** 1984 Jan;10(1):1–29

Two–step acquisition: modification of an internal clock's criterion. Meck WH, et al. **J Exp Psychol [Anim Behav]** 1984 Jul;10(3):297–306

What starts an internal clock? Roberts S, et al. **J Exp Psychol [Anim Behav]** 1984 Jul;10(3):273–96

Auditory spatial aiternation transforms auditory time. Akerboom S, et al. **J Exp Psychol [Hum Percept]** 1983 Dec;9(6):882–97

Perceived time: its relationship with locus of control, filled versus unfilled time intervals, and perceiver's sex. Krishnan L, et al. **J Gen Psychol** 1984 Apr;110(2d Half):275–81

A developmental study of temporal duration judgments. Hicks RE, et al. **J Genet Psychol** 1984 Mar;144(1st Half):31–8

Estimation of time as a measure of pain magnitude. Bilting M, et al. **J Psychosom Res** 1983;27(6):493–7

Measuring pain severity [letter] Weeks DJ. **J Psychosom Res** 1983;27(6):533–4

Depression as an explanation for decreased subjective time in the elderly. Newman MA, et al. **Nurs Res** 1984 May–Jun; 33(3):137–9

Temporal experience and bed rest: replication and refinement. Smith MJ. **Nurs Res** 1984 Sep–Oct; 33(5):298–302

Short–term memory for duration of movement. Elliott D, et al. **Percept Mot Skills** 1984 Feb;58(1):331–4

Rehearsal of temporal visual information. Guay M, et al. **Percept Mot Skills** 1984 Feb;58(1):215–20

Alternative to the wavelength interpretation of the auditory kappa effect. Hass EJ, et al. **Percept Mot Skills** 1984 Apr; 58(2):675–8

Subjective acceleration of time: death anxiety and sex differences. Joubert CE. **Percept Mot Skills** 1983 Aug; 57(1):49–50

Rhythmicity and motor skill. Liemohn W. **Percept Mot Skills** 1983 Aug;57(1):327–31

Effects of laterality and visual angle on time judgments: a phenomenological investigation of time durations. Mandes E. **Percept Mot Skills** 1984 Feb;58(1):307–10

Temporal correlates of discrimination learning. Montare A. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):763–74

Feedback and time perception. Philbin T, et al. **Percept Mot Skills** 1983 Aug;57(1):308

Auditory and visual differences in time perception. Sebel AJ, et al. **Percept Mot Skills** 1983 Aug;57(1):295–300

Perceived task quality and estimated interval: foundation for temporal attributions. Troutwine R. **Percept Mot Skills** 1984 Feb;58(1):100–2

Time estimation of a secondary event. Tsao YC, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1051–5

Time perception and affective disorders. Tysk L. **Percept Mot Skills** 1984 Apr;58(2):455–64

Estimation of time and the subclassification of schizophrenic disorders. Tysk L. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):911–8

Optic–flow and cognitive factors in time–to–collision estimates. McLeod RW, et al. **Perception** 1983;12(4):417–23

On time and dreams. Eigen M. **Psychoanal Rev** 1983 Summer; 70(2):211–20

The effect of temporal patterns of sound energy on the loudness of intensity increment sounds. Nakajima Y, et al. **Psychol Res** 1983;45(2):157–75

A theoretical framework for rhythm perception. Povel DJ. **Psychol Res** 1984;45(4):315–37

Controlled study on time reproduction of depressive patients. Kitamura T, et al. **Psychopathology** 1984;17(1):24–7

[Anorexia nervosa: body image again] Golse B, et al. **Neuropsychiatr Enfance Adolesc** 1984 May–Jun; 32(5–6):263–5 (Eng. Abstr.) **(Fre)**

[Origin of the perception of fatigue from the viewpoint of the cognitive emotions theory] Kühlmann TM. **Z Exp Angew Psychol** 1984;31(2):246–58 (Eng. Abstr.) **(Ger)**

[Age and time disorientation in patients with schizophrenia hospitalized for a long time] Szefel A, et al. **Psychiatr Pol** 1983 Sep–Dec;17(5–6):411–6 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Estimation of brief time intervals presented in the right and left visual half–fields. Shekerdjiiski S, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):37–41

Cerebral asymmetry in the perception of overlapping brief time intervals? Shekerdjiiski S, et al. **Acta Physiol Pharmacol Bulg** 1984;10(1):79–83

Temporal rhythms and cerebral rhythms. Treisman M. **Ann NY Acad Sci** 1984;423:542–65

Impairment of acquired temporal response regulation of rats under normobaric hypoxia. Reymann JM, et al. **Behav Brain Res** 1984 Mar;11(3):233–9

Hippocampus, time, and memory. Meck WH, et al. **Behav Neurosci** 1984 Feb;98(1):3–22

The hippocampus, collateral behavior, and timing. Rawlins JN, et al. **Behav Neurosci** 1983 Dec;97(6):857–72

Spatio–temporal processing in multiple sclerosis. Marx MS, et al. **Doc Ophthalmol** 1984 Jan 30;56(3):243–64

Spatio–temporal recoding of rapid eye movement signals in the monkey paramedian pontine reticular formation (PPRF). Hepp K, et al. **Exp Brain Res** 1983;52(1):105–20

Detection of amplitude–modulated tones by frogs: implications for temporal processing mechanisms. Hillery CM. **Hear Res** 1984 May;14(2):129–43

Assessment of a time interval by the different fingers. Smirnov AG, et al. **Hum Physiol** 1983 May–Jun;9(3):156–61

Right hemispheric activation on chronognosia: a preliminary study by rheoencephalography. Jacquy J, et al. **Neuropsychobiology** 1984;11(1):3–6

Time course of functional relations between brain structures during differentiation of time intervals by monkeys. Moiseeva LA. **Neurosci Behav Physiol** 1983 Sep–Oct; 13(5):317–23

Polydipsia's contribution to temporal discrimination of rats on a fixed interval schedule. Cruser L, et al. **Percept Mot Skills** 1984 Apr;58(2):443–52

Cutaneous temporal resolution values for 'sophisticated' and 'naive' subjects. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):831–4

Functional significance of the corpus callosum based on the analysis of rhythmic capabilities in the split–brain patients. Nakamura H, et al. **Tohoku J Exp Med** 1984 Apr; 142(4):363–79

[Participation of the hippocampus in delayed spatial choice and discrimination of time intervals in rhesus macaques] Moiseeva LA. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb; 34(1):48–52 (Eng. Abstr.) **(Rus)**

TIMED–RELEASE PREPARATIONS see **DELAYED–ACTION PREPARATIONS**

TIMED VITAL CAPACITY see **FORCED EXPIRATORY VOLUME**

TIMOLOL

ADMINISTRATION & DOSAGE

A combination of oral and topical beta–blockers with additive effects on intraocular pressure. Ohrström A, et al. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):1021–8

Effects of timolol and propranolol on inducible sustained ventricular tachyarrhythmias in dogs with subacute myocardial infarction. Gang ES, et al. **Am J Cardiol** 1984 Jan 15;53(2):275–81

Ultrastructural effects of topical timolol on the rabbit cornea. Outcome alone and in conjunction with a gas permeable contact lens. Arthur BW, et al. **Arch Ophthalmol** 1983 Oct; 101(10):1607–10

Improving the therapeutic index of topically applied ocular drugs. Zimmerman TJ, et al. **Arch Ophthalmol** 1984 Apr; 102(4):551–3

Timolol in childhood glaucoma. Boger WP 3d. **Surv Ophthalmol** 1983 Dec;28 Suppl:259–61

Efficacy of combining timolol with other antiglaucoma medications. Kass MA. **Surv Ophthalmol** 1983 Dec;28 Suppl:274–9

Combined timolol and epinephrine therapy for open angle glaucoma. Knupp JA, et al. **Surv Ophthalmol** 1983 Dec;28 Suppl:280–5

[Conduction disorder caused by conjunctival instillation of timolol. Description of a case] Mossuti E, et al. **G Ital Cardiol** 1983 Aug;13(8):125–7 (Eng. Abstr.) **(Ita)**

[Timolol maleate in preventing postoperative increase of intraocular pressure] Khiva AS. **Vestn Oftalmol** 1983 Jul–Aug;(4):22–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Changes in heart size during long–term timolol treatment after myocardial infarction. Gundersen T, et al. **Acta Med Scand** 1984;215(1):33–41

Timolol–associated myasthenia gravis [letter] Coppeto JR. **Am J Ophthalmol** 1984 Aug 15;98(2):244–5

Side effects of topical ocular timolol [letter] Katz IM. **Am J Ophthalmol** 1983 Oct;96(4):552–3

Drug interaction? [letter] Glynne GL. **Anaesthesia** 1984 Mar; 39(3):293

Drug interaction? [letter] Yate B, et al. **Anaesthesia** 1984 Jul; 39(7):728–9

Timolol inhibits corneal epithelial wound healing in rabbits and monkeys. Nork TM, et al. **Arch Ophthalmol** 1984 Aug;

102(8):1224–8
Intraoperative bradycardia and hypotension associated with timolol and pilocarpine eye drops. Mishra P, et al. **Br J Anaesth** 1983 Sep;55(9):897–9
Respiratory arrest following first dose of timolol ophthalmic solution. Prince DS, et al. **Chest** 1983 Nov;84(5):640–1
Side effects of timolol. Zimmerman TJ, et al. **Surv Ophthalmol** 1983 Dec;28 Suppl:243–51
Safety and efficacy of timolol in pediatric glaucoma. Zimmerman TJ, et al. **Surv Ophthalmol** 1983 Dec;28 Suppl:262–4
[Severe bronchospasm provoked by exposure to isocyanates in a subject treated with a beta-blocking drug for ocular use (letter)] Grilliat JP, et al. **Presse Med** 1984 May 12; 13(20):1274–5 **(Fre)**

ANALYSIS

Determination of timolol in plasma and breast milk using high-performance liquid chromatography with electrochemical detection. Gregg MR, et al. **J Chromatogr** 1984 Jan 13;305(1):244–9

ANTAGONISTS & INHIBITORS

Effect of indomethacin on the ocular hypotensive action of timolol maleate. Lichter M, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):79–81

METABOLISM

Excretion of oxprenolol and timolol in breast milk. Fidler J, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):961–5
Disposition of ophthalmic timolol in treated and untreated rabbit eyes. A multiple and single dose study. Salminen L, et al. **Exp Eye Res** 1984 Feb;38(2):203–6

PHARMACODYNAMICS

Effects of topical timolol on corneal endothelial cell morphology in vivo. Alanko HI, et al. **Am J Ophthalmol** 1983 Nov;96(5):615–21
Effects of topical betaxolol, timolol, and placebo on pulmonary function in asthmatic bronchitis. Schoene RB, et al. **Am J Ophthalmol** 1984 Jan;97(1):86–92
The effect of timolol on the concentrations of albumin and IgG in the aqueous humor of the human eye. Stur M, et al. **Am J Ophthalmol** 1983 Dec;96(6):726–9
Protective effect of timolol as assessed by energy charge during myocardial ischaemia. Manning A, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2840–1
Effect of timolol on clinical features and echocardiographic assessment of left ventricular function in hyperthyroidism. Griffiths BE, et al. **Br J Clin Pharmacol** 1983 Dec; 16(6):609–14
The effects of timolol on arrhythmias and prostanoid release during canine myocardial ischaemia and reperfusion. Coker SJ, et al. **Br J Pharmacol** 1984 Apr;81(4):675–84
Cardiovascular effects of epinephrine and dipivefrin in patients using timolol: a single-dose study. Blondeau P, et al. **Can J Ophthalmol** 1984 Feb;19(1):29–32
The action of beta-adrenoceptor antagonists on rat heart mitochondrial function in vitro: a comparison of propranolol, timolol, and atenolol. Quinn PJ, et al. **Cardiovasc Res** 1984 Apr;18(4):212–9
Effects of timolol on adenine nucleotide catabolism in cat hearts with acute regional ischaemia. Stangeland L, et al. **Cardiovasc Res** 1984 Jun;18(6):327–34
Thiazide-induced potassium loss not prevented by beta blockade. Steiness E. **Clin Pharmacol Ther** 1984 Jun; 35(6):788–91
beta-Adrenoceptor blockers and colonic motility [letter] Fielding JF. **Dig Dis Sci** 1984 Sep;29(9):875–6
Short-term and long-term timolol maleate effects on corneal sensitivity. Spinelli D, et al. **Doc Ophthalmol** 1984 Feb 29; 56(4):385–92
Effects of timolol on blood pressure, systemic hemodynamics, plasma renin activity, and glomerular filtration rate in patients with essential hypertension. Valvo E, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):156–61
Effects of pilocarpine, timolol, epifrin and thymoxamine on iris vessels in rhesus monkeys. Virdi PS, et al. **Int Ophthalmol** 1984 Jan;7(1):3–10
The effect of Timolol Maleate on tonic accommodation, tonic vergence, and pupil diameter. Gilmartin B, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):763–70
Effects of propranolol and timolol on left ventricular volumes during exercise in patients with coronary artery disease. Kalischer AL, et al. **J Am Coll Cardiol** 1984 Jan;3(1):210–8
Effects of timolol on action potential characteristics and automaticity in barium-depolarized canine cardiac Purkinje fibers. Spear JF, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):506–10
Effect of timolol on the movement of water in the anterior chamber of the rabbit eye. Sopranzi N. **Methods Find Exp Clin Pharmacol** 1983 Dec;5(10):715–7
Action mechanism of timolol to lower the intraocular pressure in rabbits. Watanabe K, et al. **Ophthalmic Res** 1983; 15(3):160–7
Laboratory and clinical studies on the mechanism of action of timolol. Neufeld AH, et al. **Surv Ophthalmol** 1983 Dec; 28 Suppl:286–92
[Relationship between the ocular effect of timolol and ocular prostaglandins] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1983 Jul;87(7):468–72 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

A multicenter study on timolol in secondary prevention after myocardial infarction. **Acta Med Scand [Suppl]** 1983; 674:1–129
Timolol vs propranolol vs placebo in common migraine prophylaxis: a double-blind multicenter trial. Tfelt-Hansen P, et al. **Acta Neurol Scand** 1984 Jan;69(1):1–8
The effect of d-timolol on intraocular pressure in patients with ocular hypertension. Keates EU, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):73–8
Timolol and acetazolamide [editorial] Shuster J, et al. **Ann Ophthalmol** 1983 May;15(5):400
Betaxolol and timolol. A comparison of efficacy and side effects. Berry DP Jr, et al. **Arch Ophthalmol** 1984 Jan; 102(1):42–5
Experience with dipivalyl epinephrine. Its effectiveness, alone or in combination, and its side effects. Cebon L, et al. **Aust J Ophthalmol** 1983 Aug;11(3):159–61
Timoptol—three years on. A study of timolol maleate drops over a longer period. Gillies WE, et al. **Aust J Ophthalmol** 1983 Aug;11(3):155–7
Drop attack in glaucoma. The Melbourne experience with topical miotics, adrenergic and neuronal blocking drops. West RH, et al. **Aust J Ophthalmol** 1983 Aug;11(3):149–53
Do elderly patients respond differently to treatment with Moducren? Currie WJ, et al. **Br J Clin Pract** 1984 Mar; 38(3):102–6, 119
Long term usage of Prestim (timolol/bendrofluazide) in the management of mild to moderate hypertension in general practice. Hosie J, et al. **Br J Clin Pract** 1983 Nov-Dec; 37(11–12):393–6
Timolol: a 4-year follow-up study. Markowitz S, et al. **Can J Ophthalmol** 1983 Oct;18(6):278–80
Efficacy and safety of timolol for prevention of supraventricular tachyarrhythmias after coronary artery bypass surgery. White HD, et al. **Circulation** 1984 Sep; 70(3):479–84
The effect of a non-selective lipophilic beta-blocker on the blood pressure and noradrenaline, vasopressin, cortisol and renin release during alcohol withdrawal. Potter JF, et al. **Clin Exp Hypertens [A]** 1984;6(6):1147–60
Long-term effect of beta-blockade with timolol on maximal work capacity following myocardial infarction. Rønnevik PK, et al. **Eur Heart J** 1983 Nov;4(11):773–80
Role of cardiac factors in the initial hypotensive action by beta-adrenoreceptor blocking agents. Colfer HT, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):145–51
Enhancement of salvage of reperfused myocardium by early beta-adrenergic blockade (timolol). Hammerman H, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1438–43
Timolol and postoperative intraocular pressure. Tomoda T, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):180–1
The use of timolol/bendrofluazide (Prestim) in the treatment of hypertensive patients failing to respond to other antihypertensives. Ellis R, et al. **J Int Med Res** 1983; 11(6):359–63
Early use of timolol in acute myocardial infarction [letter] **N Engl J Med** 1984 Jun 21;310(25):1666–8
Reduction of infarct size with the early use of timolol in acute myocardial infarction. **N Engl J Med** 1984 Jan 5; 310(1):9–15
Timolol/bendrofluazide combination ('Prestim') in the treatment of poorly controlled hypertensive patients in general practice. Douglas-Jones AP. **Pharmatherapeutica** 1984;3(9):631–5
A multi-centre, general practice assessment of a timolol/bendrofluazide combination ('Prestim') in the treatment of mild to moderate hypertension. Head AC. **Pharmatherapeutica** 1984;3(10):650–6
Trial of an adrenergic beta-blocker in the menopause. Wheatley D. **Psychosomatics** 1984 Mar;25(3):208, 215, 218–20
Timolol in the management of secondary glaucomas. Shields MB, et al. **Surv Ophthalmol** 1983 Dec;28 Suppl:266–73
Chronic open angle glaucoma treated with Timolol. A four year study. Maclure GM. **Trans Ophthalmol Soc UK** 1983; 103 (Pt 1):78–83
[ERG and EOG in patients with simple glaucoma after long-term treatment with timolol] Hrachovina V, et al. **Cesk Oftalmol** 1983 Sep;39(5):313–6 (Eng. Abstr.) **(Cze)**
[Objective attempt at an estimation of the long-term efficacy of Timolol (15 months). Study of 73 patients] Clergeau G, et al. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):409–10 (Eng. Abstr.) **(Fre)**
[Residual effect of timoptol in ocular hypertension] Lobstein A, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):243–5 (Eng. Abstr.) **(Fre)**
[Use of adrenergic beta blockaders after myocardial infarction] Ribeiro LG. **Arq Bras Cardiol** 1983 Feb; 40(2):73–6 **(Por)**

TIN

Radiochemistry and biostability of autologous leucocytes labelled with 99mTc-stannous colloid in whole blood. Hanna R, et al. **Eur J Nucl Med** 1984;9(5):216–9
Radioactivity associated with amang upgrading plants. Hu SJ, et al. **Health Phys** 1984 Feb;46(2):452–5
Tin coating on brass utensils prevents copper contamination. Bhandari B, et al. **Indian J Pediatr** 1983 Jan-Feb; 50(402):15–6
Corrosion of the eta'(Cu-Sn) phase in dental amalgam. Marek M, et al. **J Biomed Mater Res** 1983 Nov;17(6):921–9
[Tin in the environment] Popov IuP, et al. **Gig Sanit** 1983 Sep;(9):55–7 (41 ref.) **(Rus)**
[Clinico-x-ray characteristics of dust pathology among miners of tin-extracting mines in the Far East and their interpretation] Lutai AV. **Gig Tr Prof Zabol** 1983 Oct; (10):22–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Effect of topical application of stannous fluoride, stannous chloride and stannous tartrate on rat caries. Rölla G, et al. **Scand J Dent Res** 1983 Oct;91(5):351–5

ANALYSIS

Simultaneous determination of lead and tin in fruit juices and soft drinks by potentiometric stripping analysis. Mannino S. **Analyst** 1983 Oct;108(1291):1257–60
The analysis of silver-tin dental alloys by x-ray spectrometry. Griffiths JM, et al. **J Dent** 1984 Jun;12(2):158–64

DIAGNOSTIC USE

A comparison of computed tomography, ultrasound and scintigraphy in the diagnosis of alcoholic liver disease. Meek DR, et al. **Br J Radiol** 1984 Jan;57(673):23–7
Radiocolloid liver imaging in tuberculous hepatitis. Essop AR, et al. **Clin Nucl Med** 1984 Feb;9(2):81–4
A comparison of Tc-99m colloid labeled leukocytes and Ga-67 citrate for the disclosure of sepsis. Rosenthall L, et al. **Clin Nucl Med** 1983 Aug;8(8):340–3
Effect of 99mTc-Sn-colloid incubation time on in vivo distribution. Boudreau R, et al. **Eur J Nucl Med** 1983; 8(8):335–7
Dual radionuclide subtraction imaging of vertebral disc infection using an 111In-labelled leucocyte scan and a 99mTc-tin colloid scan. Mountford PJ, et al. **Eur J Nucl Med** 1983;8(12):557–8
Improvement in the sensitivity of static liver imaging by estimation of the clearance rate of tin colloid. McGarry Y, et al. **J Nucl Med Allied Sci** 1983 Oct-Dec;27(4):313–5
[Quantitative assessment of hepatic and splenic blood flow detected by Tc-99m-Sn colloid liver scintigraphy] Narabayashi I, et al. **Kaku Igaku** 1983 Jun;20(5):625–31 (Eng. Abstr.) **(Jpn)**
[Clinical evaluation of the lung uptake in liver scanning using Tc-99m Sn colloid] Shirato H, et al. **Kaku Igaku** 1983 Jul; 20(6):823–9 (Eng. Abstr.) **(Jpn)**
[A massive uptake of 99mTc-tin colloid in the lungs in standard scintigraphy of the liver and spleen] Lepej J, et al. **Vnitr Lek** 1984 Jan;30(1):55–9 (Eng. Abstr.) **(Slo)**

METABOLISM

Tin distribution in adult and neonatal rat brain following exposure to triethyltin. Cook LL, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):75–81
Distribution of tin in brain subcellular fractions following the administration of trimethyl tin and triethyl tin to the rat. Cook LL, et al. **Toxicol Appl Pharmacol** 1984 May; 73(3):564–8

PHARMACODYNAMICS

Effects of iron, tin, and copper on zinc absorption in humans. Valberg LS, et al. **Am J Clin Nutr** 1984 Sep;40(3):536–41
Effects of induction of heme oxygenase by cobalt and tin on the in vivo degradation of myoglobin. Kutty RK, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2924–6
In vivo antibacterial effect of tin on the oral microflora. Attramadal A, et al. **Scand J Dent Res** 1984 Apr;92(2):161–4
The in vitro effects of zinc and manganese on delta-aminolevulinic acid dehydratase activity inhibited by lead or tin. Chiba M, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):388–94
Inhibition of hepatic azo-reductase and aromatic hydroxylase by radiopharmaceuticals containing tin. Burba JV. **Toxicol Lett** 1983 Sep;18(3):269–72

PHYSIOLOGY

Organotin implications in anticarcinogenesis. Background and thymus involvement. Cardarelli NF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):199–208

POISONING

Lipid peroxidation in tin intoxicated partially hepatectomized rats. Dwivedi RS, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):200–9

TOXICITY

Comparison of methods to measure acute metal and organometal toxicity to natural aquatic microbial communities. Jonas RB, et al. **Appl Environ Microbiol** 1984 May;47(5):1005–11
The effect of tin chloride on the structure and function of DNA in human white blood cells. McLean JR, et al. **Chem Biol Interact** 1983 Sep 1;46(2):189–200
Plasmacellular and granulomatous splenomegaly produced in rats by tin. Levine S, et al. **Exp Mol Pathol** 1983 Dec; 39(3):364–76

Tin—a toxic heavy metal? A review of the literature. Schäfer SG, et al. **Regul Toxicol Pharmacol** 1984 Mar;4(1):57–69 (77 ref.)
The effects of stannous chloride on the humoral immune response of mice. Hayashi O, et al. **Toxicol Lett** 1984 Jun; 21(3):279–85
The organ distribution of tin and the effect of tin on concentrations of several essential elements in rabbit. Chiba M, et al. **Toxicology** 1984 May 1;31(1):23–32

TIN FLUORIDES see under FLUORIDES

TIN POLYPHOSPHATES see under **POLYPHOSPHATES**

TINEA

[Inflammatory dermatophytoses of glabrous skin and their treatment] Grigoriu D, et al. **Ther Umsch** 1984 Jun; 41(6):397–402 (Eng. Abstr.) **(Fre)**

BLOOD

[Sialic acids in patients with zooanthroponotic trichophytosis] Pesterev PN. **Vestn Dermatol Venerol** 1984 Jul;(7):61–3 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Single-site infection with Trichophyton mentagrophytes and herpes simplex virus. Secher L, et al. **Arch Dermatol** 1984 Jan;120(1):122
Psoriasis and hereditary palmoplantar keratoderma complicated with a dermatophyte infection. Case report. Gamborg Nielsen P. **Dermatologica** 1984;168(6):293–5
[Association of malignant thymoma, pemphigus and multiple cutaneous parasitic infections] Monti M, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):301–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Recurrent fungal infection of the face: diagnostic pitfalls. Zinberg M, et al. **Cutis** 1984 Feb;33(2):180–2
Lupus erythematosus like tinea capitis caused by Trichophyton tonsurans. Kamalam A, et al. **Mykosen** 1984 Jun;27(6):316–8
[Histology and electron microscopy of tinea nigra] Haneke E, et al. **Mykosen** 1983 Oct;26(10):514–20 (Eng. Abstr.) **(Ger)**
[Atypical forms of dermatomycoses among cases seen at the Dermatological Clinic, Medical Academy, in Gdansk] Kuszyńska-Cieślik G, et al. **Przegl Dermatol** 1983 Sep–Dec; 70(5–6):503–9 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Successful use of ketoconazole for invasive cutaneous Trichophyton rubrum infection. Baker RL, et al. **Arch Intern Med** 1984 Mar;144(3):615–7
ABC of sexually transmitted diseases. Genital infestations. Adler MW. **Br Med J [Clin Res]** 1984 Jan 28; 288(6413):311–3
An experimental model for evaluation of antifungal agents in a Trichophyton mentagrophytes infection of guinea pigs. Valiant ME, et al. **Chemotherapy** 1984;30(1):54–60
Therapeutic rounds. Ketoconazole in the treatment of tinea corporis. Schneck DW. **Clin Ther** 1983;6(1):17, 103
Urticaria and fixed drug eruption in a patient treated with griseofulvin. Feinstein A, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):915–7
The effect of povidone-iodine paint on fungal infection. Manna VK, et al. **J Int Med Res** 1984;12(2):121–3
Ketoconazole in the treatment of combined infection with dermatophytosis and candidosis. Kamalam A, et al. **Mykosen** 1984 May;27(5):252–4
Efficacy and safety of bifonazole (BAY h 4502) in patients with pityriasis versicolor and tinea cruris. Vena GA, et al. **Mykosen** 1983 Aug;26(8):415–20
[Initial experiences with a natamycin-, neomycin-, and hydrocortisone-containing lotion in tinea barbae] Michałowski R, et al. **Mykosen** 1984 Mar;27(3):153–6 (Eng. Abstr.) **(Ger)**
[Cyclopiroxolamine (HOE 296), new antimycotic substance, in superficial mycosis] Aratari E, et al. **G Ital Dermatol Venereol** 1983 Jan–Feb;118(1):I–VI (Eng. Abstr.) **(Ita)**
[Experimental chemotherapy of dermatomycosis (8). Therapeutic effect of propiolic acid (beta-naphthyl)methyl ester on experimental trichophytosis in animals and its general pharmacological actions] Yamazoe H, et al. **Yakugaku Zasshi** 1983 Apr;103(4):455–65 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Ringworm resulting from swimming with a polyurethane cast. Marks MI, et al. **J Pediatr Orthop** 1983 Sep;3(4):511–2
[Epidemiology of trichophytosis caused by Trichophyton mentagrophytes var. gypseum] Nesterev PN. **Vestn Dermatol Venerol** 1983 Nov;(11):33–6 (55 ref.) **(Rus)**

IMMUNOLOGY

Chronic dermatophyte infection: evaluation of the Ig class-specific antibody response reactive with polysaccharide and peptide antigens derived from Trichophyton mentagrophytes. Honbo S, et al. **J Invest Dermatol** 1984 Mar;82(3):287–90
[Atopy and dermatophyte infection in children] Song M, et al. **Dermatologica** 1984;168(3):147–9 (Eng. Abstr.) **(Fre)**
[Immunologic mechanisms of skin responses to specific antigen in patients with mycosis caused by Trichophyton rubrum] Fedotov VP. **Vestn Dermatol Venerol** 1984 Jun; (6):17–22 (Eng. Abstr.) **(Rus)**
[Immunologic indices in superficial, infiltrative and purulent forms of zooanthroponotic trichophytosis] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1984 Jun;(6):62–4 (Eng. Abstr.) **(Rus)**
[Immunological indices of rubromycosis patients in relation to the clinical manifestations of the disease and the area of the skin lesion foci] Sultanaliev KA. **Vestn Dermatol Venerol** 1984 Feb;(2):65–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Human infections due to Trichophyton equinum var. autotrophicum in Victoria. Maslen M, et al. **Australas J Dermatol** 1984 Apr;25(1):29–32
Semantics—tinea versus pityriasis versicolor and Pityrosporum orbiculare versus Malassezia furfur. Which is proper? Fredriksson T, et al. **Int J Dermatol** 1984 Mar; 23(2):110–1
[Microbiologic study of 76 patients with pityriasis sicca, pityriasis steatoides and pseudotinea amiantacea] Veller Fornasa C, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct; 118(5):277–9 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Study of dermatophytoses in Punjabi population. Rani U, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):243–7
Prevalence of dermatophytoses in Jabalpur. Shukla NP, et al. **Indian J Pathol Microbiol** 1983 Jan;26(1):31–9
Isolation of dermatophytes from rural and urban soil samples in premises of infected and non-infected animals. Chatterjee A, et al. **Int J Zoonoses** 1983 Jun;10(1):22–7
New data on the epidemiology of Tinea cruris in Israel. Alteras I, et al. **Mycopathologia** 1983 Nov 21;83(2):115–6
Dermatophytes in Portugal (1972–1981). Cabrita J, et al. **Mycopathologia** 1984 Feb 15;84(2–3):159–64
An outbreak of Tinea pedis and Tinea cruris in a tyre factory in Messina, Italy. Todaro F, et al. **Mycopathologia** 1983; 83(1):25–7
[Epidemiological aspects of animal and human dermatomycoses] Kamyszek F, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):151–6 (Eng. Abstr.) **(Pol)**
[Epidemiology of Epidermophyton floccosum infection based on the statistical material of the mycological laboratory of the hospital outpatient clinic for the militia in Poznan] Maleszka R, et al. **Przegl Dermatol** 1983 Sep–Dec;70(5–6):535–8 (Eng. Abstr.) **(Pol)**
[2 outbreaks of mycosis of the groin in training camps] Maleszka R, et al. **Przegl Dermatol** 1983 Sep–Dec; 70(5–6):539–43 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Ultrastructures of the epidermis in tinea cruris. Sato A. **J Dermatol (Tokyo)** 1983 Dec;10(6):511–8
Unusual aspects of granulomatous dermatophytosis. Alteras I, et al. **Mycopathologia** 1984 May 30;86(2):93–7
Endemic tinea imbricata—a study on Goodenough Island, Papua New Guinea. Hay RJ, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):246–51

TRANSMISSION

[Cattle-transmitted dermatophytosis in man] Susitaival P. **Duodecim** 1984;100(12):712–5 (Eng. Abstr.) **(Fin)**
[Tinea barbae caused Trichophyton verrucosum] Hinz B, et al. **Z Hautkr** 1983 Oct 15;58(20):1451–4 (Eng. Abstr.) **(Ger)**

VETERINARY

Recognition of Trichophyton equinum var. equinum infection of horses. Connole MD, et al. **Aust Vet J** 1984 Mar;61(3):94
Influence of animal hibernation on the development of mycoses. Sharapov VM. **Mycopathologia** 1984 Feb 15; 84(2–3):77–80
Isolation of Epidermophyton floccosum from a dog in Norway. Stenwig H, et al. **Sabouraudia** 1984;22(2):171–2
Rapid method for the identification of Trichophyton verrucosum. Lamport A, et al. **Vet Rec** 1984 Apr 21; 114(16):402–3
Diagnosis of ringworm [letter] Pepin GA. **Vet Rec** 1984 May 19;114(20):503
Diagnosis of ringworm [letter] Pepin GA. **Vet Rec** 1984 Jun 30;114(26):646

TINEA CAPITIS

[Celsus' kerion (suppurative tinea)] Baudraz-Rosselet F, et al. **Ther Umsch** 1984 Jun;41(6):392–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Mixed dermatophytic infection of the scalp with Trichophyton schoenleinii and Microsporum rivalieri] Grigoriu D, et al. **Dermatologica** 1983;167(1):37–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

'Dandruff' may be catching. Rowland Payne CM. **Clin Exp Dermatol** 1984 Mar;9(2):212–5
Lupus erythematosus like tinea capitis caused by Trichophyton tonsurans. Kamalam A, et al. **Mykosen** 1984 Jun;27(6):316–8
Current status of the identification and management of tinea capitis. Krowchuk DP, et al. **Pediatrics** 1983 Nov; 72(5):625–31
[Microsporum infection in a 3-month-old infant] Baudraz-Rosselet F, et al. **Ther Umsch** 1984 Jun; 41(6):403–5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Treatment of tinea microsporum. Metabolic interference between phenobarbital and griseofulvin] Beurey J, et al. **Ann Dermatol Venereol** 1982;109(6–7):567–70 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Tinea capitis due to Microsporum canis in infants. Alteras I, et al. **Mycopathologia** 1984 May 30;86(2):89–91
[Tinea capitis caused by Trichophyton tonsurans] Bai YJ. **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):564–6 **(Chi)**
[Microsporic tinea of the scalp in adults] Vignale RA, et al. **Med Cutan Iber Lat Am** 1983;11(3):183–6 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Tinea capitis in Tripoli. Bhakhtaviziam C, et al. **Clin Exp Dermatol** 1984 Jan;9(1):84–8
Scalp infection by microsporum nanum. Faruqi AH, et al. **JPMA** 1983 Sep;33(9):235–6
[Tinea capitis caused by combined infection with Trichophyton violaceum and Candida albicans] Walther T, et al. **Mykosen** 1984 Feb;27(2):83–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

The changing clinical picture of Microsporum canis infections in Sweden [letter] Agren-Jonsson S. **Acta Derm Venereol (Stockh)** 1984;64(1):91
Tinea capitis in Philadelphia. Shockman J, et al. **Int J Dermatol** 1983 Nov;22(9):521–4

PATHOLOGY

Tinea capitis in the elderly. A report on two cases caused by Trichophyton tonsurans. Moberg S. **Dermatologica** 1984; 169(1):36–40

RADIOTHERAPY

On six cases of radiation meningiomas from the same community. Giaquinto S, et al. **Ital J Neurol Sci** 1984 Jun; 5(2):173–5

TINEA FAVOSA

DIAGNOSIS

Favus—a report of two cases. Gibson JR, et al. **Clin Exp Dermatol** 1983 Jul;8(4):421–3
[Favus in children] Larrègue M, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2649–50 **(Fre)**

HISTORY

[Favus in Brittany. Historical study apropos of an autochthonous case] Doby JM, et al. **Ann Dermatol Venereol** 1983;110(11):925–31 **(Fre)**

TINEA PEDIS

BLOOD

Chronic tinea pedis: presence of high serum IgE levels, anti-ICS antibody, and ANA. Ahmed AR, et al. **Clin Exp Dermatol** 1983 Jul;8(4):415–20

DRUG THERAPY

Mico-artemin—a new antimycotic preparation for local treatment of Epidermophytosis interdigitalis pedum. Tolev I, et al. **Folia Med (Plovdiv)** 1983;25(3):8–10

MICROBIOLOGY

Mycologic examination for tinea pedis [letter] Baden HP. **Arch Dermatol** 1984 Apr;120(4):436–7
Interdigital athlete's foot: the battle for survival occurring between our toes. Smith JM. **NZ Med J** 1983 Oct 26; 96(742):799–800

OCCURRENCE

An outbreak of Tinea pedis and Tinea cruris in a tyre factory in Messina, Italy. Todaro F, et al. **Mycopathologia** 1983; 83(1):25–7
The occurrence of tinea of the feet in 15-year-old school

children. Svejgaard E, et al. **Mykosen** 1983 Sep;26(9):450–4
[The most common occupational dermatoses in metallurgy workers] Mainka E. **Przegl Dermatol** 1983 Mar–Apr; 70(2):147–50 (Eng. Abstr.) **(Pol)**
[Clinico–epidemiological characteristics of foot mycoses] Gorialnova LK, et al. **Voen Med Zh** 1983 Dec;(12):56–7 **(Rus)**

TINEA UNGUIUM

COMPLICATIONS

Onychomycosis in patients with psoriasis. Staberg B, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):436–8
[Nail alternariosis] Ernst TM. **Mykosen** 1983 Nov; 26(11):553–6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of onychomycosis by ODT therapy with 20% urea ointment and 2% tolnaftate ointment. Ishii M, et al. **Dermatologica** 1983;167(5):273–9
A method for the determination of drug effectiveness in onychomycosis. Trials with ketoconazole and griseofulvin ultramicrosize. Zaias N, et al. **J Am Acad Dermatol** 1983 Dec;9(6):912–9
[Ketoconazole and onychomycosis] Parent D, et al. **Ann Dermatol Venereol** 1984;111(4):339–44 (Eng. Abstr.) **(Fre)**
[Gastrointestinal hemorrhages due to Gricin intake] Schmidt CW. **Z Arztl Fortbild (Jena)** 1984;78(10):407 **(Ger)**

ETIOLOGY

White superficial onychomycosis caused by Trichophyton rubrum. Sweren RJ. **Cutis** 1984 Apr;33(4):384, 386
[Occupational koilonychia] Meyer–Hamme S, et al. **Hautarzt** 1983 Nov;34(11):577–9 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Scopulariopsis onychomycosis [letter] Rowbottom D. **Australas J Dermatol** 1983 Dec;24(3):136
[Fungal infections of the skin and nails in patients treated at the District Dermatological Outpatient Clinic in Cracow 1978–1981] Macura AB, et al. **Przegl Dermatol** 1983 Mar–Apr;70(2):157–62 (Eng. Abstr.) **(Pol)**

PATHOLOGY

What histologic finding distinguishes onychomycosis and psoriasis? Kouskoukis CE, et al. **Am J Dermatopathol** 1983 Oct;5(5):501–3

SURGERY

[Use of sombrevin and ketalar in the surgical treatment of onychomycosis] Ershov VP. **Voen Med Zh** 1984 Jun;(6):50 **(Rus)**

TINEA VERSICOLOR

COMPLICATIONS

Syndrome of Carteaud and Gougerot—case report. Confluent and reticulate papillomatosis. Kumar AS, et al. **Mykosen** 1984 Jun;27(6):313–5

DIAGNOSIS

Age of patients with tines versicolor [letter] Cullen SI. **J Am Acad Dermatol** 1983 Sep;9(3):464–5

DRUG THERAPY

1% sulconazole cream v 2% miconazole cream in the treatment of tinea versicolor. A double-blind, multicenter study. Tanenbaum L, et al. **Arch Dermatol** 1984 Feb; 120(2):216–9
A new treatment for tinea versicolor using econazole nitrate 1.0 percent cream once a day. Vicik GJ, et al. **Cutis** 1984 Jun;33(6):570–1
Ketoconazole—an effective treatment for disseminated pityriasis versicolor. Schewach-Millet M, et al. **Isr J Med Sci** 1984 May;20(5):417–9
Systemic ketoconazole in tinea versicolor: a double-blind evaluation and 1-year follow-up. Savin RC. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):824–30
The effect of povidone-iodine paint on fungal infection. Manna VK, et al. **J Int Med Res** 1984;12(2):121–3
Comparison of oxiconazole (Ro 13–8996) and econazole in dermatomycoses. Gip L. **Mykosen** 1984 Jun;27(6):295, 298–302
[10-day therapy of pityriasis versicolor with ketoconazole] Meisel C. **Z Hautkr** 1983 Aug 1;58(15):1130–6 (Eng. Abstr.) **(Ger)**
[Seminal fluid concentration of ketoconazole and its effect on spermatozoa motility] Schramm P. **Z Hautkr** 1984 Feb 1;59(3):173–4, 177–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Skin occlusion: effect on Pityrosporum orbiculare, skin PCO2, pH, transepidermal water loss, and water content. Faergemann J, et al. **Arch Dermatol Res** 1983;275(6):383–7

IMMUNOLOGY

HLA antigens in pityriasis versicolor. Kanitakis J, et al. **Tissue Antigens** 1984 Jan;23(1):47–9

METABOLISM

De-(hypo)pigmentation mechanisms of the affected area of Pityriasis versicolor. Hattori M, et al. **J Dermatol (Tokyo)** 1984 Feb;11(1):63–6

MICROBIOLOGY

Pityriasis versicolor in a 3-month-old boy [letter] Congly H. **Can Med Assoc J** 1984 Apr 1;130(7):844–5
Semantics—tinea versus pityriasis versicolor and Pityrosporum orbiculare versus Malassezia furfur. Which is proper? Fredriksson T, et al. **Int J Dermatol** 1984 Mar; 23(2):110–1

OCCURRENCE

The incidence of tinea versicolor in central Sweden. Hellgren L, et al. **J Med Microbiol** 1983 Nov;16(4):501–2

PATHOLOGY

Scanning electron microscopic evaluation of tinea versicolor. Effects of treatment with miconazole nitrate and clotrimazole. McDaniel DH, et al. **Arch Dermatol** 1984 Aug;120(8):1057–8
Pityriasis pigmentosa: the clinical features of pathogenic Pityrosporum ovale. Piamphongsant T. **J Dermatol (Tokyo)** 1983 Aug;10(4):355–60
[Electron microscopic observation of epidermal Langerhans cells in tinea versicolor] Oguchi M, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Sep;92(10):1055–60 **(Jpn)**

VETERINARY

Tinea versicolor dermatomycosis in the goat. Bliss EL. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1512–3

TINIDAZOLE see under **NITROIMIDAZOLES**

TINNITUS

[Tinnitus] **Arch Otorhinolaryngol [Suppl]** 1983;2:254–9 **(Ger)**

CHEMICALLY INDUCED

A review of cis-platinum ototoxicity. Moroso MJ, et al. **J Otolaryngol** 1983 Dec;12(6):365–9
cis-Diamminedichloroplatinum: a cytostatic with an ototoxic effect. Hartwig S, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(5):257–61

COMPLICATIONS

The neurologic implications of tinnitus. Lechtenberg R, et al. **Arch Neurol** 1984 Jul;41(7):718–21

DIAGNOSIS

Tinnitus pitch: a comparison of three measurement methods. Tyler RS, et al. **Br J Audiol** 1983 May;17(2):101–7
Computer-aided tinnitus characterization. Mitchell PL, et al. **Clin Otolaryngol** 1984 Feb;9(1):35–42
Objective venous tinnitus. A case report. Hvidegaard T, et al. **J Laryngol Otol** 1984 Feb;98(2):189–91
Equal-loudness contours using subjective tinnitus as the standard. Penner MJ. **J Speech Hear Res** 1984 Jun; 27(2):274–9
[Tinnitus in chronic otitis media] Soldatov IB, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):10–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Tocainide and tinnitus. Clinical effect and site of action. Larsson B, et al. **ORL J Otorhinolaryngol Relat Spec** 1984; 46(1):24–33
Treatment of tinnitus with intravenous lidocaine: a double-blind randomized trial. Duckert LG, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):550–5
[Result and treatment of tinnitus in our clinic] Causse JB, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):231–5 (Eng. Abstr.) **(Fre)**
[Therapy of tinnitus. Tympanic cavity infusion of lidocaine and steroid solution] Sakata E, et al. **Auris Nasus Larynx** 1984;11(1):11–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Subjective tinnitus in children with otological disorders. Mills RP, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar; 7(1):21–7
Some hazards associated with spring correction. Dornan JD. **J Soc Occup Med** 1984 Feb;34(1):33–4
Otologic involvement in late syphilis. Steckelberg JM, et al. **Laryngoscope** 1984 Jun;94(6):753–7
Velo-pharyngo-laryngeal myoclonus: evaluation of objective tinnitus and extrathoracic airway obstruction. Toland AD, et al. **Laryngoscope** 1984 May;94(5 Pt 1):691–5
Tinnitus from intracranial hypertension. Meador KJ, et al. **Neurology (NY)** 1984 Sep;34(9):1258–61
Exposure to high frequency noise [letter] Tees JG. **NZ Med J** 1984 Sep 26;97(764):656–7
Objective tinnitus due to peritubal myoclonus. A case report. Mesolella C, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(1):50–6
[Tinnitus and a tumor of the carotid glomus] Monnoye JP, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):706–8 **(Fre)**
[Deafness and tinnitus in flare-ups in 10 cases of multiple sclerosis] Fischer C, et al. **Rev Neurol (Paris)** 1984; 140(2):117–24 (Eng. Abstr.) **(Fre)**
[Objective tinnitus. A dura mater arteriovenous fistula] Robier A, et al. **Rev Otoneuroophtalmol** 1983 Jul–Sep; 55(4):323–8 (Eng. Abstr.) **(Fre)**
[Case of tinnitus, vertigo, and a loss of caloric response due to neurovascular compression] Yasuoka S, et al. **No To Shinkei** 1983 Nov;35(11):1097–101 (Eng. Abstr.) **(Jpn)**

METABOLISM

Local anaesthetics and tinnitus. Proposed peripheral mechanism of action of lidocaine. Lyttkens L, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(1):17–23

PATHOLOGY

A large artery in the apical region of the cochlea of a man with pulsatile tinnitus [letter] Gulya AJ, et al. **Am J Otol** 1984 Jan;5(3):262

PHYSIOPATHOLOGY

Pathophysiology of tinnitus. Møller AR. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):39–44 (54 ref.)
A comparison of variability among measurements of subjective tinnitus and objective stimuli. Burns EM. **Audiology** 1984;23(4):426–40
Tinnitus asymmetry. Cahani M, et al. **Audiology** 1984; 23(1):127–35
Parametric studies of tinnitus masking and residual inhibition. Terry AM, et al. **Br J Audiol** 1983 Nov;17(4):245–56
Spontaneous otoacoustic emissions in a dog. Ruggero MA, et al. **Hear Res** 1984 Mar;13(3):293–6
Phonocephalography and pulsatile tinnitus in a surface cerebral angioma. Report of a case. Tewfik S. **J Laryngol Otol** 1983 Oct;97(10):959–62
Tinnitus and neural activity. Salvi RJ, et al. **J Speech Hear Res** 1983 Dec;26(4):629–32
Tinnitus [editorial] **Lancet** 1984 Mar 10;1(8376):543–5
[Tinnitus: current data and treatment with sodium valproate] Mansbach AL, et al. **Acta Otorhinolaryngol Belg** 1983; 37(5):697–705 **(Fre)**
[Acoustic study in tinnitus] Cazals Y, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):433–8 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Difficulties experienced by tinnitus sufferers. Tyler RS, et al. **J Speech Hear Disord** 1983 May;48(2):150–4
Masking of tinnitus compared to masking of pure tones. Tyler RS, et al. **J Speech Hear Res** 1984 Mar;27(1):106–11

SURGERY

Pulsatile tinnitus arising from jugular megabulb deformity: a treatment rationale. Buckwalter JA, et al. **Laryngoscope** 1983 Dec;93(12):1534–9
Microvascular decompression of the eighth cranial nerve for disabling tinnitus without vertigo: a case report. Kudo T, et al. **Neurosurgery** 1984 Mar;14(3):338–40
[Surgical management of trigeminal neuralgia, hemifacial spasm, paroxysmal tinnitus and nystagmus by neurovascular decompression] Isu T, et al. **Hokkaido Igaku Zasshi** 1983 Nov;58(6):587–99 (Eng. Abstr.) **(Jpn)**

THERAPY

Relaxation-biofeedback in the treatment of tinnitus. Carmen R, et al. **Am J Otol** 1984 Jul;5(5):376–81
Effect of tinnitus masker noise on speech discrimination in quiet and two noise backgrounds. Spitzer JB, et al. **Scand Audiol** 1983;12(3):197–200
[Neural therapy in tinnitus] Brand H. **Wien Med Wochenschr** 1983 Nov 15;133(21):545–7 (Eng. Abstr.) **(Ger)**
[House cochlear implant for the control of tinnitus: preliminary results] Leone CA, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):163–70 (Eng. Abstr.) **(Ita)**
[Treatment of persistent tinnitus with electric stimulation of the ear] Latkowski B, et al. **Pol Tyg Lek** 1983 Jul 11–18; 38(28–29):893–6 (Eng. Abstr.) **(Pol)**

TINORIDINE see under **PYRIDINES**

TIRON see under **BENZENESULFONATES**

TISSUE ADHESIVES

see related
BONE CEMENTS

Experimental remarks on the utilization of biological tissue adhesives in lymphovenous anastomosis. Milingos S, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):130–3

Treatment of ruptured kidney by gluing with highly concentrated human fibrinogen. Brands W, et al. **J Pediatr Surg** 1983 Oct;18(5):611–3

The role of the tissue adhesive fibrin seal (FS) in esophageal anastomoses. Thorson GK, et al. **J Surg Oncol** 1983 Nov; 24(3):221–3

Surgical repair of extratemporal facial nerve: a comparison of suture repair and microfibrillar collagen repair. Parker G, et al. **Laryngoscope** 1984 Jul;94(7):950–3

Review of cyanoacrylate tissue glues with emphasis on their otorhinolaryngological applications. Ronis ML, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):210–3

Adhesive membrane device (Op-site) for skin closure in general surgery. Innes DB. **NZ Med J** 1983 Oct 26; 96(742):803–5

Removal of chest tube using stomadhesive. Lo LF, et al. **Surg Gynecol Obstet** 1984 May;158(5):496–7

Splenic repair by fibrin tissue adhesive and collagen fleece. Scheele J, et al. **Surgery** 1984 Jan;95(1):6–13

[Surgery of aortic dissections. Value of Tissucol compared with GRF (gelatin, resorcinol and formaldehyde) adhesive (letter)] Bical O, et al. **Presse Med** 1983 Sep 24;12(33):2059 **(Fre)**

[Cartilage adhesion on the knee joint. Clinical follow-up] Paar O, et al. **Aktuel Traumatol** 1984 Feb;14(1):15–9 (Eng. Abstr.) **(Ger)**

[Securing anastomosis of the large intestine with glued autologous tissue] Bornemisza G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(4):251–5 (Eng. Abstr.) **(Ger)**

[Closure of a vesico-perineal fistula with fibrin glue] Grumbt H, et al. **Zentralbl Chir** 1984;109(5):364–5 **(Ger)**

[Surgical therapy of the dissection of the ascending aorta. Experience in the use of the G. R. F. biological glue] Guilmet D, et al. **Minerva Med** 1983 Dec 15; 74(47–48):2871–6 (Eng. Abstr.) **(Ita)**

[First experience with occlusion of the pancreatic duct with adhesive KL-3 in the treatment of pancreatic diseases] Shalimov AA, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):99–102 **(Rus)**

[Use of KL-3 glue in combination with antibiotics in emergency and selective abdominal surgery] Mikuliak RV. **Klin Khir** 1984 Jan;(1):25–7 (Eng. Abstr.) **(Rus)**

[Use of cyanoacrylate glue MK-6 in the treatment of injuries of the esophagus] Zhupan VF, et al. **Vestn Khir** 1983 Nov; 131(11):93–5 (Eng. Abstr.) **(Rus)**

[Combined method of creating extra-intracranial microvascular anastomoses using biological adhesives (experimental-clinical study)] Aksik IA. **Zh Vopr Neirokhir** 1983 Nov-Dec;(6):19–25 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Silastic mousse bandages in the treatment of leg ulcers of venous origin] Stemmer R. **Phlebologie** 1984 Jan–Mar; 37(1):121–9 **(Fre)**

ADVERSE EFFECTS

Allergic contact dermatitis to a colophony derivative. James WD. **Contact Dermatitis** 1984 Jan;10(1):6–10

PHARMACODYNAMICS

Effect of n-butyl-2-cyanoacrylate (histoacryl blue) on the healing of skin wounds. Galil KA, et al. **Can Dent Assoc J** 1984 Jul;50(7):565–9

[Biological bases of tissue synthesis using human fibrin glue] Pini Prato GP, et al. **Minerva Stomatol** 1983 Nov-Dec; 32(6):903–14 (89 ref.) (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Re: the concentrated autologous tissue glue (CATG) [letter] Wolf G, et al. **Am J Otol** 1984 Jul;5(5):424–5

Prevention of peritoneal adhesion formation by fibrin sealant. An experimental study in rats. Lindenberg S, et al. **Ann Chir Gynaecol** 1984;73(1):11–3

Cyanoacrylate adhesive used to stop CSF leaks during orbital surgery. Tse DT, et al. **Arch Ophthalmol** 1984 Sep; 102(9):1337–9

Evaluation of fibrin sealing for cardiovascular surgery. Jakob H, et al. **Circulation** 1984 Sep;70(3 Pt 2):I138–46

A fibrin adhesive seal for the repair of osteochondral fracture fragments. Meyers MH, et al. **Clin Orthop** 1984 Jan–Feb; (182):258–63

The use of Bulgarian tissue glue in ophthalmosurgery of the lens. Vulcanov V, et al. **Folia Med (Plovdiv)** 1983; 25(2):48–51

Combined application of heterologous collagen and fibrin sealant for liver injuries. Jakob H, et al. **J Surg Res** 1984 Jun;36(6):571–7

Experimental use of fibrin tissue adhesive in middle ear surgery. Siedentop KH, et al. **Laryngoscope** 1983 Oct; 93(10):1310–3

Combined use of sodium hyaluronate and tissue adhesive in penetrating keratoplasty of corneal perforations. Maguen E, et al. **Ophthalmic Surg** 1984 Jan;15(1):55–7

A new method of skin graft adhesion. Vibe P, et al. **Scand J Plast Reconstr Surg** 1983;17(3):263–4

Bronchopleural leakage treated with fibrin sealant and high-frequency positive-pressure ventilation. Jørgensen A, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):139–40

[Application of fibrin kleber in animal experiments and clinical practice] Dai ZB. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):407–8 (Eng. Abstr.) **(Chi)**

[The use of tissue adhesives in the treatment of urinary stress incontinence in women] Oosterlinck W, et al. **Acta Urol Belg** 1984 Apr;52(2):338–9 (Eng. Abstr.) **(Fre)**

[Tooth extraction without substitutive treatment in patients with severe hemophilia or other congenital disorders of hemostasis: importance of gelatin-resorcin-formol glue] Chauvin P, et al. **Actual Odontostomatol (Paris)** 1984 Mar; 145:81–93 (Eng. Abstr.) **(Fre)**

[GRF glue] Rozenberg C. **Actual Odontostomatol (Paris)** 1984 Jun;146:291–7 (Eng. Abstr.) **(Fre)**

[Studies of a fibrin adhesive on punch wounds in rats] Ronneberger H, et al. **Arzneimittelforsch** 1984;34(3):287–90 (Eng. Abstr.) **(Ger)**

[Closure of joint cartilage defects using cartilage fragments and fibrin glue] Albrecht FH. **Fortschr Med** 1983 Oct 6; 101(37):1650–2 (Eng. Abstr.) **(Ger)**

[Fibrin adhesion and postoperative anti-fibrinolytic care of conjunctival wounds] Buschmann W, et al. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):185–8 (Eng. Abstr.) **(Ger)**

[Destruction of the bed of the echinococcal lung and liver parasite using a biological glue] Rustamov IR, et al. **Klin Khir** 1983 Oct;(10):42–3 (Eng. Abstr.) **(Rus)**

[Fibrin glue in otorhinolaryngology] Portmann M, et al. **An Otorrinolaringol Ibero Am** 1983;10(6):583–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Surface properties determine bioadhesive outcomes: methods and results. Baier RE, et al. **J Biomed Mater Res** 1984 Apr;18(4):327–55

[Testing of the carcinogenicity and teratogenicity of the Bulgarian tissue adhesive kanokonlit-B] Stoichev I, et al. **Khirurgiia (Sofiia)** 1984;37(3):194–9 **(Bul)**

TISSUE BANKS

The Alabama Lions Eye Bank—journey for sight. Williams DV, et al. **Ala Med** 1983 Dec;53(6):28–30

Ex vivo metabolic analysis of eye bank corneas using phosphorus nuclear magnetic resonance. Greiner JV, et al. **Arch Ophthalmol** 1984 Aug;102(8):1171–3

Eye banking [editorial] Casey TA. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):5

Eye-banks. Silva H. **Ceylon Med J** 1983 Mar;28(1):16–21

Clinical application of allografts stored in Wuhan Medical College Type I Ear Bank. Wei NR, et al. **Chin Med J [Engl]** 1983 Apr;96(4):291–4

Rural hospitals join search for organs. **Hospitals** 1984 Jul 16;58(14):56

Bill introduced to thwart kidney brokerage [news] Gunby P. **JAMA** 1983 Nov 4;250(17):2263–4

Current status of Missouri kidney transplant patients. Ross G, et al. **Mo Med** 1984 Jun;81(6):316–9

National Neurological Research Bank: a collection of cryopreserved human neurospecimens for neuroscientists. Tourtellotte WW, et al. **Prog Clin Biol Res** 1984;146:67–8

Development of the protocol for organ procurements at Rhode Island Hospital. DeNoble RA. **RI Med J** 1984 Feb; 67(2):83–5

Organ procurement: the role of the New England Organ Bank. Lucier JS, et al. **RI Med J** 1984 Feb;67(2):65–8

A flexible procedure for multiple cadaveric organ procurement. Starzl TE, et al. **Surg Gynecol Obstet** 1984 Mar;158(3):223–30

[Establishment of a DNA bank of human origin] Rahuel C, et al. **Rev Fr Transfus Immunohematol** 1983 Nov; 26(5):539–52 (Eng. Abstr.) **(Fre)**

[Storing of sperm at a central cryosperm bank] Kaden R, et al. **Fortschr Med** 1983 Aug 4;101(29):1322–6 **(Ger)**

[Organization of a skin bank based on cryopreservation in liquid nitrogen. 1st results] Weissflog A, et al. **Z Med Lab Diagn** 1984;25(3):169–72 (Eng. Abstr.) **(Ger)**

[Eye tissue bank at the Helmholtz Research Institute of Eye Diseases, Moscow] Gundorova RA, et al. **Vestn Oftalmol** 1984 Jan-Feb;(1):51–4 (Eng. Abstr.) **(Rus)**

LEGISLATION & JURISPRUDENCE

The politics of transplantation. Iglehart JK. **N Engl J Med** 1984 Mar 29;310(13):864–8

ORGANIZATION & ADMINISTRATION

Obtaining replacements: the organizational framework of organ procurement. Prottas JM. **J Health Polit Policy Law** 1983 Summer;8(2):235–50

NATCO 24-ALERT system and its role in extrarenal organ sharing [letter] Broznick BA. **N Engl J Med** 1984 May 31;310(22):1465

Increasing the supply of solid organs for transplantation. Koop CE. **Public Health Rep** 1983 Nov-Dec;98(6):566–72

STANDARDS

Screening of karyotype and semen quality in an artificial insemination program: acceptance and rejection criteria. Matthews CD, et al. **Fertil Steril** 1983 Nov;40(5):648–54

TISSUE COMPATIBILITY see **HISTOCOMPATIBILITY**

TISSUE CONDITIONING (DENTAL)

METHODS

Tissue conditioning and functional impression materials and techniques. McCarthy JA, et al. **Dent Clin North Am** 1984 Apr;28(2):239–51

A comprehensive approach to tissue conditioning for complete dentures. Klein IE, et al. **J Prosthet Dent** 1984 Feb;51(2):147–51

TISSUE CULTURE

see related
CELL LINE
CELLS, CULTURED
CLONE CELLS

Eukaryotic cell cultures. Basics and applications. Proceedings of the Second International Cell Culture Congress. September 29–October 1, 1981, Birmingham, Alabama. **Adv Exp Med Biol** 1984;172:1–556

Development of mouse embryos grown in human cord serum (HCS) in vitro. Herken R, et al. **Anat Embryol (Berl)** 1983; 168(1):137–50

Human endometrium in cell culture: a new method for culturing human endometrium as separate epithelial and stromal components. Kleinman D, et al. **Arch Gynecol** 1983; 234(2):103–12

Tissue culture as a diagnostic technique for soft-tissue sarcoma of childhood. Garvin AJ, et al. **Arch Pathol Lab Med** 1984 Apr;108(4):308–10

Usage of vertebrate, invertebrate and plant cell, tissue and organ culture terminology. Schaeffer WI. **In Vitro** 1984 Jan;20(1):19–24

Landmark perspective: Dr. Alexis Carrel and tisue culture. Najafi H. **JAMA** 1983 Aug 26;250(8):1086–9

Experimental pathology and the origins of tissue culture: Leo Loeb's contribution. Witkowski JA. **Med Hist** 1983 Jul; 27(3):269–88

Permanent coverage of large burn wounds with autologous cultured human epithelium. Gallico GG 3d, et al. **N Engl J Med** 1984 Aug 16;311(7):448–51

Product contamination: FDA sends in the marshals [news] Beardsley T. **Nature** 1984 Sep 6–11;311(5981):7

Multiphasic survival response of a radioresistant lepidopteran insect cell line. Koval TM. **Radiat Res** 1984 Jun;98(3):642–8

[Tissue culture of human skin for grafting] Sternberg N, et al. **Harefuah** 1983 Dec 1;105(11):368 (Eng. Abstr.) **(Heb)**

[Allotransplantation of isolated pancreatic islets in diabetic rats. Effect of culture on islet rejection] Nishino H. **Nippon Geka Gakkai Zasshi** 1984 Jan;85(1):38–48 (Eng. Abstr.) **(Jpn)**

[Summary of reports presented at the study meeting of the Czech Commission on Tissue Culture and the Section on Tissue Culture of the Slovak Oncological Association of the J.E. Purkinje Medical Society at Příbram, 15–18 June 1982] **Cesk Fysiol** 1983;32(4):349–62 **(Mul)**

HISTORY

The mass production and distribution of HeLa cells at Tuskegee Institute, 1953–55. Brown RW, et al. **J Hist Med Allied Sci** 1983 Oct;38(4):415–31

Dr Alexis Carrel and tissue culture [letter] **JAMA** 1984 Jul 6;252(1):44–5

INSTRUMENTATION

A high efficiency stirrer for suspension cell culture with or without microcarriers. de Bruyne NA. **Adv Exp Med Biol** 1984;172:139–49

[Experimental chamber for continuous brain slices] Karanov AM, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):970–2 **(Rus)**

METHODS

Alternative surfaces for microcarrier culture of animal cells. Gebb C, et al. **Adv Exp Med Biol** 1984;172:151–67

Mammalian cell culture: technology and physiology. Harakas NK, et al. **Adv Exp Med Biol** 1984;172:119–38

Analysis of haemopoiesis: the use of cell markers and in vitro culture techniques in studies of clonal haemopathies in man. Adamson JW. **Clin Haematol** 1984 Jun;13(2):489–502 (51 ref.)

Human leukaemic cell lines. Ferrero D, et al. **Clin Haematol** 1984 Jun;13(2):461–87 (172 ref.)

In vitro cultivation of normal and neoplastic human T lymphocytes. Markham PD, et al. **Clin Haematol** 1984 Jun; 13(2):423–46 (110 ref.)

A transparent chamber for the dorsal skin fold of athymic mice. Falkvoll KH, et al. **Exp Cell Biol** 1984;52(4):260–8

Macrocytic megakaryocytes in cultures of S1/S1d bone marrow. Adrados C, et al. **Exp Hematol** 1984 May; 12(4):237–43

Long-term survival of adult human lung growing subcutaneously in congenitally athymic nude mice. Cobb LM. **Exp Lung Res** 1984;6(1):47–58

Culturing hepatocytes and other differentiated cells. Reid LM, et al. **Hepatology** 1984 May-Jun;4(3):548–59 (206 ref.)

Variation in composition of media and reagents used in the preparation of cell cultures from human and other animal tissues: Dulbecco's, Earle's, and Hanks' balanced salt

solutions. Burke CN, et al. **In Vitro** 1983 Sep;19(9):693–8
Organoid structure of normal rat bladder in unilaminar and bilaminar histophysiologic gradient culture : methods and observations. Leighton J, et al. **In Vitro** 1984 Mar;20(3 Pt 1):183–97
Interferon production with multitray culture system on a large scale. Utsumi J, et al. **J Interferon Res** 1984;4(1):9–16
Production of purified hepatitis B surface antigen from Alexander hepatoma cells grown in artificial capillary units. McAleer WJ, et al. **J Virol Methods** 1983 Dec; 7(5–6):263–71
Electrophysiological techniques in dissociated tissue culture. Westbrook GL, et al. **Methods Enzymol** 1983;103:111–32
Interstitial fluid [letter] Fink BR. **Nature** 1984 Mar 1–7; 308(5954):20
A thin–film culturing technique allowing rapid gas–liquid equilibration (6 sec) with no toxicity to mammalian cells. Koch CJ. **Radiat Res** 1984 Feb;97(2):434–42
The in vitro growth pattern of human bone marrow in methylcellulose stimulated by different concentrations of conditioned medium. Haak HL, et al. **Scand J Haematol** 1984 May;32(5):515–24
[In vitro cultivation of vital tissue slices: a new variation of organ culture technics] Nissen E, et al. **Biomed Biochim Acta** 1983;42(7–8):907–16 (Eng. Abstr.) **(Ger)**
[Tissue culture methods of hormone–producing tumors] Eto S. **Nippon Rinsho** 1983 Jun;41(6):1314–23 (27 ref.) **(Jpn)**
[Floating cell cultures of the fetal pancreas] Bliumkin VN, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):764–6 (Eng. Abstr.) **(Rus)**
[Cultivation of tissue cultures from the pancreas of laboratory animals] Trégerová V, et al. **Bratisl Lek Listy** 1984 Mar; 81(3):354–61 (Eng. Abstr.) **(Slo)**

STANDARDS

Outpatient blood cultures: retrospective and prospective audits in one ED [letter] Stair TO, et al. **Ann Emerg Med** 1984 Oct;13(10):986–7

TISSUE DISTRIBUTION

Importance of tissue distribution in determining drug disposition curves. Weiss M. **J Theor Biol** 1983 Aug 21; 103(4):649–52
Structural and functional properties of the non–muscle tropomyosins. Côté GP. **Mol Cell Biochem** 1983; 57(2):127–46 (134 ref.)

TISSUE DONORS

Prevalence of cytomegalovirus antibodies in Norwegian kidney–transplant recipients and their living donors. A comparative study of two different methods. Skar AG, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):1–5
Legal issues involving bone marrow transplan'.s to minors. Brant J. **Am J Pediatr Hematol Oncol** 1984 Spring; 6(1):89–91
Legal issues and ethical dilemmas surrounding bone marrow transplantation in children. Williams TE. **Am J Pediatr Hematol Oncol** 1984 Spring;6(1):83–8
Principles of multiple organ procurement from cadaver donors. Rosenthal JT, et al. **Ann Surg** 1983 Nov; 198(5):617–21
Marrow harvesting from normal donors. Buckner CD, et al. **Blood** 1984 Sep;64(3):630–4
Selection and procurement of hearts for transplantation. English TA, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1889–91
Evaluation of living related kidney donors using digital subtraction angiography. Flechner SM, et al. **Cleve Clin Q** 1984 Summer;51(2):339–43
Recent trends in organ procurement for renal transplantation at The Cleveland Clinic Foundation. Smith CS, et al. **Cleve Clin Q** 1984 Summer;51(2):345–8
Selection of high fertility donors for artificial insemination programmes. McGowan MP, et al. **Clin Reprod Fertil** 1983 Dec;2(4):269–74
Major complications of marrow harvesting for transplantation. Bortin MM, et al. **Exp Hematol** 1983 Nov; 11(10):916–21
Life, liberty, and the pursuit of organ sales. Annas GJ. **Hastings Cent Rep** 1984 Feb;14(1):22–3
Organ transplants: the costs of success. Caplan AL. **Hastings Cent Rep** 1983 Dec;13(6):23–32
Attitudes affecting organ donation in the intensive care unit. Stark JL, et al. **Heart Lung** 1984 Jul;13(4):400–4
Skills and resources needed for liver transplantation. Krom RA, et al. **Hepatology** 1984 Jan–Feb;4(1 Suppl):72S–75S
Liver procurement for orthotopic transplantation: an analysis of the Pittsburgh experience. Van Thiel DH, et al. **Hepatology** 1984 Jan–Feb;4(1 Suppl):66S–71S
Obtaining replacements: the organizational framework of organ procurement. Prottas JM. **J Health Polit Policy Law** 1983 Summer;8(2):235–50
Effects of marrow donor and recipient age on immune responses. Astle CM, et al. **J Immunol** 1984 Feb; 132(2):673–7
Confidentiality of organ donor registry records versus the interest in preserving human life. A proposal. Kemna DJ. **J Leg Med (Chicago)** 1984 Mar;5(1):117–45 (114 ref.)
Kidney donation: care of the cadaver donor's family. Gideon MD, et al. **J Neurosurg Nurs** 1981 Oct;13(5):248–51
Kidney transplantation from an anencephalic baby: a case report. Ohshima S, et al. **J Urol** 1984 Sep;132(3):546–7
Promoting organs for transplantation [editorial] Koop CE. **JAMA** 1984 Mar 23–30;251(12):1591–2
British ponder 'presumed consent' for organ harvesting [news] Marwick C. **JAMA** 1984 Mar 23–30;251(12):1522–3
Problems in the identification of potential organ donors. Misconceptions and fallacies associated with donor cards. Overcast TD, et al. **JAMA** 1984 Mar 23–30;251(12):1559–62
Analysis of data on 170 consecutive patients transplanted with kidneys from living relatives. Oka T, et al. **Jpn J Surg** 1983 Nov;13(6):493–501
Hypertension and proteinuria: long–term sequelae of uninephrectomy in humans. Hakim RM, et al. **Kidney Int** 1984 Jun;25(6):930–6
Reversal of diabetic nephropathy in human cadaveric kidneys after transplantation into non–diabetic recipients. Abouna GM, et al. **Lancet** 1983 Dec 3;2(8362):1274–6
Cytomegalovirus antibody screening of blood and organ donors [letter] Kurtz JB, et al. **Lancet** 1984 Aug 4; 2(8397):294–5
Autoimmune thrombocytopenia acquired from allogeneic bone–marrow graft: compensated thrombocytopenia in bone marrow donor and recipient [letter] Waters AH, et al. **Lancet** 1983 Dec 17;2(8364):1430
Transplantation of kidneys from living related donors. Comparison with cadaveric kidney transplantation. Thomson NM, et al. **Med J Aust** 1983 Dec 10–24; 2(12):609–12
'Free–market' approach to organ donation [letter] Carpenter CB, et al. **N Engl J Med** 1984 Feb 9;310(6):395–6
Should sperm donors be screened for sexually transmitted diseases? [letter] Mascola L, et al. **N Engl J Med** 1983 Oct 27;309(17):1058
Myasthenia gravis after bone–marrow transplantation. Evidence for a donor origin. Smith CI, et al. **N Engl J Med** 1983 Dec 22;309(25):1565–8
Heart transplants and the legal and ethical problems surrounding organ retrieval. Toole WW, et al. **NC Med J** 1983 Dec;44(12):783–5
Kidney donation [editorial] Hatfield P. **NZ Med J** 1984 Feb 22;97(750):110–1
Living–related renal transplantation: Wellington experience. Meech PR, et al. **NZ Med J** 1984 Apr 25;97(754):256–8
Aphakic refractive penetrating keratoplasty using newborn donor corneas. A preliminary report on an alternative approach to refractive correction. Pfister RR, et al. **Ophthalmology (Rochester)** 1983 Oct;90(10):1207–12
Postmortem organ donation [letter] Denny DW. **Pharos** 1983 Summer;46(3):44
Increasing the supply of solid organs for transplantation. Koop CE. **Public Health Rep** 1983 Nov–Dec;98(6):566–72
Development of the protocol for organ procurements at Rhode Island Hospital. DeNoble RA. **RI Med J** 1984 Feb; 67(2):83–5
Organ procurement: the role of the New England Organ Bank. Lucier JS, et al. **RI Med J** 1984 Feb;67(2):65–8
Use of donor bone marrow cells for the induction of specific allograft prolongation. Gozzo JJ. **Surv Immunol Res** 1982; 1(2):133–6 (21 ref.)
Proceedings of the First International Congress on Organ Procurement. April 14–16, 1983, Maastricht, The Netherlands. **Transplant Proc** 1984 Feb;16(1):1–336
Increased vulnerability of the donor organ in related kidney transplants for certain diseases. Cats S, et al. **Transplantation** 1984 Jun;37(6):575–9
New approaches to donor crossmatching and successful transplantation of highly sensitized patients. Delmonico FL, et al. **Transplantation** 1983 Dec;36(6):629–33
Transfusion reactions in donor–specific blood transfusion patients resulting from transfused maternal antibody. Goeken NE, et al. **Transplantation** 1984 Sep;38(3):306–7
Unsuspected donor pseudomonas infection causing arterial disruption after renal transplantation. Nelson PW, et al. **Transplantation** 1984 Mar;37(3):313–4
Behavior of HLA–compatible and incompatible skin allografts in human recipients preimmunized with pooled leukocyte extracts obtained from randomly selected donors. Rapaport FT, et al. **Transplantation** 1983 Nov;36(5):592–4
Use of digital subtraction angiography (DSA) for evaluation of living–related renal transplant donors [letter] Schmeller NT, et al. **Transplantation** 1984 Feb;37(2):221
Long–term renal function in kidney donors. Sustained compensatory hyperfiltration with no adverse effects. Vincenti F, et al. **Transplantation** 1983 Dec;36(6):626–9
Fetal pancreas as a donor organ. Brown J, et al. **World J Surg** 1984 Apr;8(2):152–7
[Immunological selection of donors and recipients in renal grafts: antibodies] Seignalet J, et al. **Nephrologie** 1984; 5(1):33–9 (Eng. Abstr.) **(Fre)**
[Diagnosis of brain death and collection of organs in a non–university hospital (letter)] Fogliani J, et al. **Presse Med** 1984 Jan 28;13(3):165–6 **(Fre)**
[Donor nephrectomy] Homann B. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):261–4 (Eng. Abstr.) **(Ger)**
[Anesthesia in kidney explantation] Salomon F, et al. **Intensivmed Prax** 1983 Oct;6:61–5 **(Ger)**
[Old versus young donor corneas] Bigar F. **Klin Monatsbl Augenheilkd** 1984 May;184(5):344–7 (Eng. Abstr.) **(Ger)**
[Is organ removal from cadavers illegal?] Spann W. **MMW** 1983 Sep 16;125(37):16–8 **(Ger)**
[Ethical and professional aspects of renal transplantation in humans] Bonomini V. **Minerva Nefrol** 1983 Jul–Sep; 30(3):127–32 **(Ita)**
[Allogeneic bone marrow transplantation from ABO incompatible donor] Harada M, et al. **Rinsho Ketsueki** 1984 Jan;25(1):45–51 (Eng. Abstr.) **(Jpn)**
[Selection of donors for bone marrow transplantation] Kaštelan A, et al. **Liječ Vjesn** 1984 Jun;106(6):241–5 (Eng. Abstr.) **(Scr)**
[Bone marrow transplant. A panel of donors and selection by the HLA system (editorial)] Ercilla MG. **Med Clin (Barc)** 1984 May 12;82(18):805–7 **(Spa)**
[The normal glomerulus in live donors for renal transplants. A study with light microscopy, electron microscopy and immunofluorescence] Rosenberg H, et al. **Rev Med Chil** 1983 Jun;111(6):559–63 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Is media hype necessary for organ transplants? Trent B. **Can Med Assoc J** 1984 Mar 15;130(6):774–80
Attitudes and opinions of donors on an artificial insemination by donor (AID) programme. Rowland R. **Clin Reprod Fertil** 1983 Dec;2(4):249–59
No obligation for Mrs. X—but can she be bought? [letter] **Hastings Cent Rep** 1983 Dec;13(6):45–6
What potential ovum donors think [letter] Templeton AA, et al. **Lancet** 1984 May 12;1(8385):1081–2

TISSUE EXTRACTS

Changes in actin–related gelation of crude cell extracts during differentiation of myeloid leukemia cells. Nagata K, et al. **Cell Struct Funct** 1983 Jun;8(2):171–83
Effect of nerve extract on number of acetylcholine receptors in denervated muscles of rats. Davis HL, et al. **Exp Neurol** 1984 Jan;83(1):108–17
Activation of adenylate cyclase by sperm membranes. The role of guanine nucleotide binding proteins. Hanski E, et al. **FEBS Lett** 1983 Oct 17;162(2):447–52
Stimulation of anchorage–independent growth of Syrian hamster embryo cells by a deproteinized extract of calf blood (Solcoseryl). Tsutsui T, et al. **Jpn J Pharmacol** 1984 Apr;34(4):471–4

ADMINISTRATION & DOSAGE

Prolongation of skin allograft survival in ATS–treated mice by post–transplant injections of species antigenic extracts. Chutná J, et al. **Folia Biol (Praha)** 1984;30(2):109–22
[Histological study of the effect of Rumalon on experimentally induced arthrosis of the knee in the rabbit] Gialamas J, et al. **Z Rheumatol** 1983 Jul–Aug;42(4):213–5 **(Ger)**
[Clinical studies of drugs with cartilage–protecting effects] Rejholec V. **Z Rheumatol** 1983 Jul–Aug;42(4):218–22 **(Ger)**
[Immunostimulating and tissue therapy in the combined treatment of patients with pulmonary tuberculosis] Voltova DI, et al. **Probl Tuberk** 1983 Sep;(9):46–9 (Eng. Abstr.) **(Rus)**
[Treatment of chronic colitis with solcoseryl gel] Chegemova PM, et al. **Sov Med** 1984;(3):96–7 **(Rus)**
[Treatment of trophic ulcers with embryonic tissue preparation] Glukhen'kiĭ BT, et al. **Vrach Delo** 1984 Jun; (6):93–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Partial sensory denervation of the upper respiratory tract on allergen– and histamine–induced bronchoconstriction. Zimmermann I, et al. **Respiration** 1984;45(4):394–405
[Exogenous allergic alveolitis] Il'kovich MM, et al. **Probl Tuberk** 1983 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

An improved method for the quantitative determination of deoxyribonucleoside triphosphates in cell extracts. Tanaka K, et al. **Anal Biochem** 1984 May 15;139(1):35–41
Microbiopsy metabolite and paired flow analysis: a new rapid procedure for homogenisation, extraction and analysis of high energy phosphates and other intermediates without any errors from tissue loss. Hearse DJ. **Cardiovasc Res** 1984 Jun;18(6):384–90
A convenient source of CFU–s inhibitors: the fetal calf liver. Guigon M, et al. **Cell Tissue Kinet** 1984 Jan;17(1):49–55
Assay for pyrimidine nucleoside phosphorylases in tissue extracts by high–performance liquid chromatography. Kono A, et al. **Chem Pharm Bull (Tokyo)** 1983 May; 31(5):1666–9
A comparison of the content and immunohistochemical patterns of CEA–like activity in human colorectal tumours and nude mouse xenografts. Lewis JC, et al. **Exp Pathol** 1983;24(4):227–35
Identification and quantitation by 1H–NMR of metabolites in animal organs and tissues. An application of NMR spectroscopy in forensic science. Harada H, et al. **Forensic Sci Int** 1984 Jan;24(1):1–7
Screening of fresh water fish extracts for enzyme–inducing substances by an aryl hydrocarbon hydroxylase induction bioassay technique. Casterline JL Jr, et al.

J Assoc Off Anal Chem 1983 Sep;66(5):1136–9
Sensitive and specific post–column fluorimetric determination of diethylstilboestrol residues in extracts of urine and animal tissues at the 1–ppb level. Verbeke R, et al. **J Chromatogr** 1983 Aug 19;265(2):239–55
Prostate–derived growth factors. Parrish RF, et al. **Prog Clin Biol Res** 1984;145:181–95
Preliminary characterization and evaluation of techniques for the isolation of prostate–derived growth factor. Story MT, et al. **Prog Clin Biol Res** 1984;145:197–216
[Lipoamide dehydrogenase, citrate synthase and beta–hydroxyacyl–CoA–dehydrogenase in skeletal muscle. I. Determination of activity in tissue extracts] Gottesmann P, et al. **Z Lebensm Unters Forsch** 1984 May;178(5):366–70 (Eng. Abstr.) **(Ger)**
[Obtaining proteins of high binding affinity for the estrogen receptor test using lamb uterine powder extracted with solvents] Schlatterer B, et al. **Zentralbl Veterinarmed [A]** 1983 Oct;30(8):601–6 (Eng. Abstr.) **(Ger)**
[The protein forming a gel with actin in a splenic extract is myosin] Gioeva FK, et al. **Dokl Akad Nauk SSSR** 1984; 274(5):1248–50 **(Rus)**
[Reactive capacity of a liver extract from the spiny dogfish in relation to reductive and oxidative radicals] Minkhadzhidinova DR, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):762–6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Pseudohypoparathyroidism and idiopathic hypoparathyroidism: relationship between serum calcium and parathyroid hormone levels and urinary cyclic adenosine–3',5'–monophosphate response to parathyroid extract. Werder EA, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):872–9

IMMUNOLOGY

Allergens in hymenoptera venoms. X. Vespid venoms versus venom sac extracts: comparison by two–dimensional polyacrylamide gel electrophoresis. Wood CL, et al. **Ann Allergy** 1983 Oct;51(4):441–5
Immunoactive products of murine placenta. II.—Afferent suppression of maternal cell–mediated immunity by supernatants from short–term cultures of murine trophoblast–enriched cell suspensions. Chaouat G, et al. **Ann Immunol (Paris)** 1984 Mar–Apr;135C(2):205–18
Demonstration of antibody and cellular immune response to brain extract in West and Lennox–Gastaut syndromes. Mota NG, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):126–31
The allergenic and antigenic properties of spore extracts of Aspergillus fumigatus: a comparative study of spore extracts with mycelium and culture filtrate extracts. Kauffman HF, et al. **J Allergy Clin Immunol** 1984 May; 73(5 Pt 1):567–73
Behçet's disease leucocyte inhibitory factor (LIF) in response to skin extract. Gilhar A, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):185–6
The effects of syngeneic soluble tumor membrane extract on concomitant spleen cell immunity and spontaneous metastases. Temple WJ, et al. **J Surg Res** 1984 Jan; 36(1):71–9
Mononuclear phagocyte function in head and neck cancer: depression of murine macrophage accumulation by low molecular weight factors derived from head and neck carcinomas. Balm FJ, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):223–7
Denervation reduces extractable Met–enkephalin–like immunoreactivity in guinea–pig lips. Feurle GE, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):105–8
Allergenic extracts: characterization, standardization, and prospects for the future. Yunginger JW. **Pediatr Clin North Am** 1983 Oct;30(5):795–805 (38 ref.)
[Antigenicity of phenol water extract of human fetal colon. Confirmation of antigenicity in polysaccharide fraction] Kitamura K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):22–7 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Mechanism of activation of hepatic branched–chain alpha–ketoacid dehydrogenase by a muscle factor. Paul HS, et al. **J Biol Chem** 1983 Oct 10;258(19):11471–5
Collagen stimulating factors in hepatic fibrogenesis. Fallon A, et al. **J Clin Pathol** 1984 May;37(5):542–8

METABOLISM

Preliminary study on the effect of temperature on the transport of thyroxine (T4) into the body tissues and sub–cellular fractions of liver and muscle of carp, Cyprinus carpio. Lone KP, et al. **Acta Physiol Lat Am** 1983; 33(2):149–60
Activating proteins for ganglioside GM2 degradation by beta–hexosaminidase isoenzymes in tissue extracts from different species. Burg J, et al. **Hoppe Seylers Z Physiol Chem** 1983 Jul;364(7):821–9
A simple method for the preparation of extracts from animal cells which catalyze efficient in vitro protein synthesis. Brown GD, et al. **J Biol Chem** 1983 Dec 10; 258(23):14309–14
Scanning electron microscopic study of polyvinyliden fluoride degradation by ocular tissue extracts. Hayasaka S, et al. **Jpn J Ophthalmol** 1984;28(2):131–5
Do ischemic hearts stimulate endothelial cell growth? Galloway AC, et al. **Surgery** 1984 Aug;96(2):435–9
Interaction of Brucella ovis with ovine tissue extracts. Redwood DW, et al. **Vet Rec** 1983 Sep 3;113(10):220
[Transdermal salicylate absorption and behavior of corticosteroid plasma levels during epidermal administration of an antiphlogistic ointment] Dasch W, et al. **Arzneimittelforsch** 1983;33(8):1196–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The stimulating effect of tissue extracts on hypothalamo–pituitary–thyroid axis in rats. Ren P, et al. **Acta Acad Med Wuhan** 1984;4(2):90–4
Influence of culture conditions on the growth–stimulatory effect of corpus luteum extract in mouse fibroblasts. Sávoy SB, et al. **Acta Biol Hung** 1983;34(1):93–7
The effects of hypothalamic extracts and TRH on the growth and hormone production of GH3 cells in culture. Yajima Y, et al. **Acta Endocrinol (Copenh)** 1983 Nov;104(3):287–94
Hypothalamic modulation of insulin secretion and fat–cell metabolism. Martin JM, et al. **Acta Physiol Lat Am** 1981; 31(3):183–9
Granulocyte factors as potential haemopoiesis regulators in irradiated mice. Sułowska Z, et al. **Acta Physiol Pol** 1982 Sep–Dec;33(5–6):651–9
Adrenocorticotropic activity of an extract from sheep placental tissue at term. Mitchell BF, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):217–22
Inhibitor of vascular endothelial cell growth in the lens. Williams GA, et al. **Am J Ophthalmol** 1984 Mar; 97(3):366–71
Ca–dependent hemodynamic and natriuretic effects of atrial extract in isolated rat kidney. Camargo MJ, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F447–56
Actions of neurohypophysial peptides on pancreatic hormone release. Dunning BE, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E108–14
Facilitation of skin allograft survival by blood leucocyte extracts. A possible mechanism for the beneficial effects of blood transfusion in human transplantation. Rapaport FT, et al. **Ann Surg** 1984 Jan;199(1):79–86
The appearance of a 34,000–dalton inhibitor of calpain (Ca2+–dependent cysteine proteinase) in rat liver after the administration of phenylhydrazine. Yamato S, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):715–21
Mast cell products stimulate collagenase and prostaglandin E production by cultures of adherent rheumatoid synovial cells. Yoffe JR, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):270–6
Elevation of sperm adenosine 3':5'–monophosphate concentrations by a fucose–sulfate–rich complex associated with eggs: I. Structural characterization. Garbers DL, et al. **Biol Reprod** 1983 Dec;29(5):1211–20
H1–histamine receptors may mediate the contractile response of guinea–pig ileum to 'histamine–free' splenic extracts. Ainz LF, et al. **Br J Pharmacol** 1983 Jun;79(2):373–8
Brain extract induces the tetrodotoxin–sensitive action potentials in a rat skeletal muscle cell line (L6). Yamazaki S, et al. **Brain Res** 1984 Apr;315(2):251–6
Effect of a protein–free haemodialysate on tissue respiration and healing of burns. Rudowski W, et al. **Burns Incl Therm Inj** 1984 Jun;10(5):363–7
Natural killer cell cytotoxic potential of patients with ovarian carcinoma and its modulation with virus–modified tumor cell extract. Lotzová E, et al. **Cancer Immunol Immunother** 1984;17(2):124–9
Effect of Zajdela ascites hepatoma on the activity and synthesis of liver histidase of tumor–bearing rats. Fedorov SA, et al. **Cancer Lett** 1984 May;23(1):67–71
Responses of bone marrow gamma–glutamyltranspeptidase and alkaline phosphatase in vitro to tumor–elaborated granulocytopoietic factors. Greengard O, et al. **Cancer Res** 1984 Feb;44(2):472–7
Direct mitogenic effects of insulin, epidermal growth factor, glucocorticoid, cholera toxin, unknown pituitary factors and possibly prolactin, but not androgen, on normal rat prostate epithelial cells in serum–free, primary cell culture. McKeehan WL, et al. **Cancer Res** 1984 May; 44(5):1998–2010
Bundling of bovine and brine shrimp (Artemia) microtubules in vitro. MacRae TH. **Cell Biol Int Rep** 1984 Jun; 8(6):423–31
Regulation of cell cycle by cytoplasmic components in the amphibian eggs. Aimar C, et al. **Cell Differ** 1983 Dec; 13(4):293–300
Peripheral nerve extract promotes long–term survival and neurite outgrowth in cultured spinal cord neurons. Popiela H, et al. **Cell Mol Neurobiol** 1984 Mar;4(1):67–77
Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. VII. Inhibition of 40s pre–rRNA synthesis in Xenopus neurula cells. Shiokawa K. **Cell Struct Funct** 1984 Mar;9(1):97–102
Regulation of fibroblast functions by products of schistosomal egg granulomas: potential role in the pathogenesis of hepatic fibrosis. Wyler DJ. **Ciba Found Symp** 1983; 99:190–206
A fraction from extracts of demineralized adult bone stimulates the conversion of mesenchymal cells into chondrocytes. Syftestad GT, et al. **Dev Biol** 1984 Aug; 104(2):348–56
Electrical activity from cells in the whole, isolated, intact bovine pituitary gland. I. Changes induced by injection of hypothalamic, pineal and intraglandular colloid material. Boyd WH. **Endocrinol Exp (Bratisl)** 1984 Mar;18(1):19–30
Reduction of serum and testicular sialic acid by melatonin–free pineal extract in rats. Damian E, et al. **Endocrinologie** 1984 Jan–Mar;22(1):17–9
Effect of pineal treatment on serum and testicular sialic and nucleic acids in basal and HCG treated rats. Damian E, et al. **Endocrinologie** 1984 Apr–Jun;22(2):103–11
Inhibition of HCG induced testosterone increase by melatonin–free pineal extract in the rat. Damian E, et al. **Endocrinologie** 1983 Oct–Dec;21(4):257–9
A rat hypothalamic extract enhances insulin secretion in vitro. Bobbioni E, et al. **Endocrinology** 1983 Dec; 113(6):1958–62
Tumor–specific inhibition of DNA synthesis and cell proliferation by a factor from bovine placenta—possible mechanism. Letnansky K. **FEBS Lett** 1984 Jun 4; 171(1):9–12
Blockade of the estrogen–induced luteinizing hormone surge in monkeys: a nonsteroidal, antigenic factor in porcine follicular fluid. Sopelak VM, et al. **Fertil Steril** 1984 Jan; 41(1):108–13
Selective inhibition of follicle–stimulating hormone by porcine follicular fluid extracts in the monkey: effects on midcycle surges and pulsatile secretion. Stillman RJ, et al. **Fertil Steril** 1983 Dec;40(6):823–8
Inhibition of aminoacyl–transfer RNA formation by low–molecular substances from melanoma extract. Ishikawa K, et al. **Gann** 1984 Jan;75(1):43–52
The luteotrophic effect of homoplastic pituitary pars distalis homogenate, PMSG, and HCG on the corpora lutea of the hypophysectomized frog, Rana cyanophlyctis (SCHN). Pancharatna M, et al. **Gen Comp Endocrinol** 1984 Mar; 53(3):375–80
Developmental changes in the response of the fat body of Manduca sexta to injections of Corpora cardiaca extracts. Ziegler R. **Gen Comp Endocrinol** 1984 Apr;54(1):51–8
The influence of vasoactive agents on metabolic activity of the liver in cirrhosis: a study of the effects of posterior pituitary extract, vasopressin, and somatostatin. Barbare JC, et al. **Hepatology** 1984 Jan–Feb;4(1):59–62
Effect of a thymus fraction on the haematic ApoB of rats fed on a diet rich in cholesterol. Mondola P, et al. **Horm Metab Res** 1983 Oct;15(10):518–9
Atrial natriuretic factor inhibits angiotensin–, norepinephrine–, and potassium–induced vascular contractility. Kleinert HD, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I143–7
Identification of trypsin inhibitor in bovine pituitary extracts as a survival factor for adult rat hepatocytes in primary culture. Asami O, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):299–309
Reciprocal modulation of growth and liver functions of mature rat hepatocytes in primary culture by an extract of hepatic plasma membranes. Nakamura T, et al. **J Biol Chem** 1984 Jul 10;259(13):8056–8
Comparison of the ability of basement membranes produced by corneal endothelial and mouse–derived Endodermal PF–HR–9 cells to support the proliferation and differentiation of bovine kidney tubule epithelial cells in vitro. Gospodarowicz D, et al. **J Cell Biol** 1984 Sep; 99(3):947–61
In vitro induction of cartilage–specific macromolecules by a bone extract. Seyedin SM, et al. **J Cell Biol** 1983 Dec; 97(6):1950–3
Stimulation of motility in cultured bovine capillary endothelial cells by angiogenic preparations. Mullins DE, et al. **J Cell Physiol** 1984 May;119(2):247–54
Erythrocyte extracts enhance neurogenic vasoconstriction of dog cerebral arteries in vitro. Lee TJ, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):474–6
Collagen stimulating factors from lung in experimental paraquat poisoning demonstrated in vitro and in vivo. Thompson WD, et al. **J Clin Pathol** 1984 May;37(5):537–41
Effects of hysterectomy and in–vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Bíró J, et al. **J Endocrinol** 1984 Jun;101(3):243–8
Effects of retinal and pineal low molecular weight fractions and antipsychotic drugs on hydroxyindole–O–methyltransferase. Cremer–Bartels G, et al. **J Neural Transm** 1983;58(1–2):107–19
Brain extract induces synaptic characteristics in the basal lamina of cultured myotubes. Sanes JR, et al. **J Neurosci** 1984 Feb;4(2):464–73
Addition of an androgen–free epididymal protein extract increases the ability of immature hamster spermatozoa to fertilize in vivo and in vitro. González Echeverría F, et al. **J Reprod Fertil** 1984 Jul;71(2):433–7
Effects of hysterectomy and uterine extracts on the endocrine system of adult, nonpregnant rats. Bíró J, et al. **J Steroid Biochem** 1984 Jan;20(1):343–5
Stabilization of glucocorticoid–receptor complexes in rat thymus cytosol by a factor from WEHI–7 cells. Holbrook NJ, et al. **J Steroid Biochem** 1984 Jan;20(1):245–50
Observation of the effect of Spirobolus bungii extract on cancer cells. Jiang TL, et al. **J Tradit Chin Med** 1981 Sep; 1(1):34–8
Inhibition of in vitro human chorionic

gonadotropin-stimulated testosterone production in testis and of ovulation in the rat by charcoal-treated rat testicular extract. de Bellabarba GA, et al. **Life Sci** 1984 Jan 16; 34(3):273–80

Angiogenic factors and their assay: activity of formyl methionyl leucyl phenylalanine, adenosine diphosphate, heparin, copper, and bovine endothelium stimulating factor. McAuslan BR, et al. **Microvasc Res** 1983 Nov;26(3):323–38

Effects of chick brain extract on the proliferation of chick neuroblasts cultured in media supplemented with low and high serum concentrations. Barakat I, et al. **Neurochem Res** 1984 Feb;9(2):263–72

In vivo evidence for prostaglandin inhibitory activity in New Zealand green-lipped mussel extract. Miller T, et al. **NZ Med J** 1984 Jun 13;97(757):355–7

Facilitation of an operant task in the rat following injection of whole brain extract. Morris PE, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):241–4

Neurotrophic effects of hippocampal extracts on medial septal nucleus in vitro. Ojika K, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2567–71

Stimulation of prostaglandin synthesis in cultured rat synovial cells by a factor derived from polymorphonuclear leukocytes. Hashida R, et al. **Prostaglandins** 1984 May; 27(5):697–709

Inhibition by phospholipid liposomes of the prolactin and cortisol response to insulin hypoglycemia in man. Cavagnini F, et al. **Psychopharmacology (Berlin)** 1984; 82(3):157–60

Failure of atrial myocardial extract to inhibit renal Na+, K+-ATPase. Pollock DM, et al. **Renal Physiol** 1983; 6(6):295–9

Hypothalamic and pituitary periodicity demonstrated by isolated rat adrenal cells. Magrane DR, et al. **Steroids** 1982 Nov;40(5):487–501

The effect of Stabilized Rumen Extract on growth and development of calves. 1. Liveweight gain and efficiency of feed utilization. Ziolecka A, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb; 51(1–2):13–20

The effect of Stabilized Rumen Extract on growth and development of calves. 2. Digestive activity in the rumen and development of microflora in the rumen and faeces. Ziolecki A, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1984 Feb;51(1–2):20–31

[Comparative effects of an extract of Anguilla Stannius corpuscles and of an active fragment of human parathyroid hormone (1–34 hPTH) on an anuran batracian, Xenopus laevis] Milet C, et al. **C R Seances Acad Sci [III]** 1983; 297(1):33–6 (Eng. Abstr.) **(Fre)**

[Effects of a postpituitary extract and lysine vasopressin on portal and systemic hemodynamics in the cirrhotic patient] Boulétreau P, et al. **Gastroenterol Clin Biol** 1984 Mar; 8(3):255–9 (Eng. Abstr.) **(Fre)**

[Effect of vitreous and retinal extract on growth of cultured human intraocular fibroblast] Hayashi H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jun;88(6):940–7 (Eng. Abstr.) **(Jpn)**

[Trophic action of a peripheral nerve homogenate on the development of sensory neurons in tissue culture] Akoev GN, et al. **Dokl Akad Nauk SSSR** 1983;271(2):486–8 **(Rus)**

[Effect of a marked rise in slow-wave sleep in warm-blooded animals due to endogenous substances from the tissues of hibernating animals] Pastukhov IuF, et al. **Dokl Akad Nauk SSSR** 1984;275(2):510–2 **(Rus)**

[Changes in thermoregulation in the white mouse treated with endogenous substances from the intestinal tissue of hibernating animals] Pastukhov IuF, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1485–90 (Eng. Abstr.) **(Rus)**

[Effect of an inhibitor of granulo- and monocytopoietic precursors on hematopoiesis in an organ culture of embryonic mouse liver] Samollina NL, et al. **Gematol Transfuziol** 1984 Apr;29(4):24–8 (Eng. Abstr.) **(Rus)**

[Effect of heterogeneous inductors on the ectoderm of the early gastrula in Rana temporaria in vitro. 5. Biochemical analysis of induction-active extracts from chick embryo retina and brain] Mikhallova AT, et al. **Ontogenez** 1984 Mar-Apr;15(2):137–45 (Eng. Abstr.) **(Rus)**

[A tissue-specific inhibitor of the cell proliferation of the retinal pigment epithelium in chick embryos] Stroeva OG, et al. **Ontogenez** 1984 Jul-Aug;15(4):356–61 (Eng. Abstr.) **(Rus)**

[Characteristics of bone regeneration under the action of the rat adrenal gland extract in animal experiments] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1983 Aug;(8):34–8 (Eng. Abstr.) **(Rus)**

[Determination of the inhibitory activity of animal tissues in relation to pancreatic DNAase] Kerova NI, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):128–32 **(Rus)**

[Changes in the wakefulness-sleep cycle in mice induced by endogenous substances from the tissues of the susliks Citellus parryi and C. undulatus during hibernation] Pastukhov IuF, et al. **Zh Evol Biokhim Fiziol** 1984 May-Jun;20(3):327–30 (Eng. Abstr.) **(Rus)**

[Possible mechanism of action of a water-soluble tissue extract on arterial pressure in the rat] de Gandarias JM, et al. **Rev Esp Fisiol** 1984 Mar;40(1):37–42 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Microinjection of human cell extracts corrects xeroderma pigmentosum defect. de Jonge AJ, et al. **EMBO J** 1983; 2(5):637–41

Perna canaliculus in the treatment of rheumatoid arthritis. Caughey DE, et al. **Eur J Rheumatol Inflamm** 1983; 6(2):197–200

A baby with Di George syndrome treated with bovine thymic extracts: a 3.5 yr analysis of variations in the distribution of lymphocytes characterized by three tests of cell mediated immunity and electrophoretic mobility. Milhaud G, et al. **J Clin Lab Immunol** 1983 Nov; 12(3):167–72

Calves blood dialysate an effective alternative in the supportive treatment of burns: a comparative study in 40 burned patients. Chuntrasakul C. **J Med Assoc Thai** 1984 Jan;67(1):48–52

Effect of extracts of Spirobolus bungii on transplanted tumors in mice. Jiang TL, et al. **J Tradit Chin Med** 1981 Sep; 1(1):27–33

Improvement of pacing induced regional myocardial ischemia by Solcoseryl in conscious dogs with coronary stenosis. Shimada T, et al. **Jpn Circ J** 1984 Feb;48(2):150–6

A comparative clinical study of Solcoseryl Eye-Gel and Cysteine Eye-Gel 2.4% in the treatment of foreign-body injuries of the cornea. Studer O. **Ophthalmic Res** 1984; 16(3):179–84

Our experience with Solcoseryl Eye-Gel in the treatment of corneal lesions. A randomised double-blind study (with 1 color plate). Erbe W, et al. **Ophthalmologica** 1984; 188(1):1–4

[Personal experience with Panpur therapy in the treatment of chronic pancreatitis] Dítě P, et al. **Cas Lek Cesk** 1983 Jul 8;122(27):857–8 **(Cze)**

[The effect of Solcoseryl eye gel in combination with neomycin and bacitracin on the healing of corneal lesions after foreign body removal] Haydon P. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):213–5 (Eng. Abstr.) **(Ger)**

[Outside methods. Cytoplasmic therapy of malignant tumors with macromolecular organ extracts] Schreml W. **MMW** 1984 Mar 2;126(9):234–8 **(Ger)**

[The truth about fresh cells] Oepen I. **Off Gesundheitswes** 1983 Sep;45(9):445–50 **(Ger)**

[The effect of calf blood dialysate on the excretion of estriol in placental insufficiency] Bernaschek G, et al. **Wien Klin Wochenschr** 1984 Apr 13;96(8):279–82 (Eng. Abstr.) **(Ger)**

[Evaluation of the pharmaco-clinical activity of an association of corticoadrenal extracts, group B vitamins and folinic acid in geriatric patients] Iori E, et al. **Clin Ter** 1984 Apr 30;109(2):137–41 (Eng. Abstr.) **(Ita)**

[New therapeutic possibilities in andrology. The nucleotides] Rosa MO, et al. **Minerva Ginecol** 1983 Dec;35(12):807–8 (Eng. Abstr.) **(Ita)**

[Therapeutic effect of Robaveron tablet (KN-7) on neurogenic bladder] Endo H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):135–44 (Eng. Abstr.) **(Jpn)**

[Studies on human placental extract (Intacellin): I. Effect of intacellin on leukopenia in mice bearing Ehrlich ascites tumor cells] Toki S, et al. **Igaku Kenkyu** 1983 Dec; 53(6):397–401 (Eng. Abstr.) **(Jpn)**

[Effect of splenin on the development of experimental inflammation in rats] Shevchenko AV, et al. **Fiziol Zh** 1983 Jul-Aug;29(4):489–91 **(Rus)**

[Increase in tolerance to hard contact lenses by using solcoseryl] Egorova GB. **Oftalmol Zh** 1983;38(4):198–200 (Eng. Abstr.) **(Rus)**

[Effect of epithalamin on the course of traumatic shock in rats] Slepushkin VD, et al. **Patol Fiziol Eksp Ter** 1983 Sep-Oct;(5):12–5 (Eng. Abstr.) **(Rus)**

[Use of splenin in clinical medicine (review of the literature)] Gandzha IM, et al. **Vrach Delo** 1983 Jun;(6):9–15 (61 ref.) **(Rus)**

[Use of solcoseryl in the treatment of peptic ulcer] Vakhrushev IaM, et al. **Vrach Delo** 1983 Sep;(9):92–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Emphysema and bronchial secretory cell metaplasia induced in hamsters by human neutrophil products. Snider GL, et al. **Am Rev Respir Dis** 1984 Jan;129(1):155–60

Investigations on the detection of mutagenic activity of beef extract in rats after oral administration. Münzner R, et al. **Cancer Lett** 1984 May;23(1):109–14

The renal, cardiovascular and hemolytic actions in the rat of a toxic extract from the bile of the grass carp (Ctenopharyngodon idellus). Chen CF, et al. **Toxicon** 1984; 22(3):433–9

TISSUE FACTOR see **THROMBOPLASTIN**

TISSUE PRESERVATION

Easy fix [letter] Burdick CO. **Am J Clin Pathol** 1984 Apr; 81(4):544

Biologic determinants of dystrophic calcification and osteocalcin deposition in glutaraldehyde-preserved porcine aortic valve leaflets implanted subcutaneously in rats. Levy RJ, et al. **Am J Pathol** 1983 Nov;113(2):143–55

Pulmonary type II cell lamellar body ultrastructure preserved by rapid freezing and freeze drying. McAteer JA, et al. **Anat Rec** 1984 Jul;209(3):355–62

Modified tissue culture medium for corneal storage. II. Investigation of the effect of the corneoscleral rim on bacterial contamination. Liesegang TJ, et al. **Arch Ophthalmol** 1984 Apr;102(4):625–7

Modified tissue culture medium for corneal storage I. Investigation of the effect of antibiotics on bacterial contamination. Liesegang TJ, et al. **Arch Ophthalmol** 1984 Apr;102(4):619–24

Coalescence of endothelial cells in the traumatized cornea. I. Experimental observations in cryopreserved tissue. Neubauer L, et al. **Arch Ophthalmol** 1983 Nov; 101(11):1787–90

Bone marrow cryopreservation: biological aspects. Leoni P, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1089–95

Cell survival in canine aortic heart valves stored in nutrient medium. Mochtar B, et al. **Cardiovasc Res** 1984 Aug; 18(8):497–501

Cryopreservation of human bone marrow cells by a modification of the two-step cooling technique. Berthier R, et al. **Cryobiology** 1983 Dec;20(6):637–43

Studies on cellular structure and ice location in frozen organs and tissues: the use of freeze-substitution and related techniques. Hunt CJ. **Cryobiology** 1984 Aug;21(4):385–402

Adenine nucleotides and glycolysis during liver preservation by simple hypothermic storage. Otto G, et al. **Eur Surg Res** 1984;16(2):84–8

Injury to human endothelial cells in culture under conditions simulating the use of vein grafts for vascular surgery. Solberg S, et al. **Eur Surg Res** 1984;16(4):256–64

The influence of warm and cold ischemic time on the outcome of cadaveric renal transplantation. Vroemen JP, et al. **Eur Surg Res** 1984;16(3):175–81

Survival of rabbit embryos after rapid freezing and thawing. Rao VH, et al. **Experientia** 1984 Aug 15;40(8):821–2

Advantages of fixed stored materials for immunoelectron microscopy, with special reference to the study of malignant lymphomas. Akatsuka H, et al. **J Clin Pathol** 1984 Aug;37(8):953–5

Assessment of some preservation and staining methods of encysted larvae of helminths. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):195–201

The in vivo effects of various immunoreactive treatments on allogeneic tendon grafts. Minami A, et al. **J Hand Surg** 1983 Nov;8(6):888–93

Immunohistochemistry on semi-thin sections of hydroxypropyl methacrylate embedded tissues. Franklin RM. **J Immunol Methods** 1984 Mar 30;68(1–2):61–72

Cryopreservation of pancreatic islet cells. Yokogawa Y, et al. **J Lab Clin Med** 1984 May;103(5):768–75

Recent developments in skin banking and the clinical uses of cryopreserved skin. May SR, et al. **J Med Assoc Ga** 1984 Apr;73(4):233–6, 57 (14 ref.)

Further studies on the effect of radiation during the storage of frozen 8-cell mouse embryos at -196 degrees C. Glenister PH, et al. **J Reprod Fertil** 1984 Jan;70(1):229–34

Effect of warming rate on mouse embryos frozen and thawed in glycerol. Rall WF, et al. **J Reprod Fertil** 1984 Jan; 70(1):285–92

Short-term preservation of human autografts. Cram AE, et al. **J Trauma** 1983 Oct;23(10):872–3

The response of venous valvular endothelium to autotransplantation and in vitro preservation. Raju S, et al. **Surgery** 1983 Nov;94(5):770–5

Proceedings of the First International Congress on Organ Procurement. April 14–16, 1983, Maastricht, The Netherlands. **Transplant Proc** 1984 Feb;16(1):1–336

Beneficial effects of adenosine and phosphate in kidney preservation. Belzer FO, et al. **Transplantation** 1983 Dec; 36(6):633–5

Metabolism during preservation and viability of ischemically injured canine kidneys. Pegg DE, et al. **Transplantation** 1984 Jul;38(1):78–81

Morphological changes in pancreatic fragments prepared for transplantation by collagenase treatment. Schwartz BD, et al. **Transplantation** 1984 Sep;38(3):273–80

[Stability of steroid receptors from breast tumors at different storage temperatures] Locher GW, et al. **Pathologe** 1984 Mar;5(2):82–5 **(Ger)**

[A cold table for cryomicroscopy studies] Thom F, et al. **Z Med Lab Diagn** 1984;25(3):178–81 (Eng. Abstr.) **(Ger)**

[Use of cryopreserved skin in the treatment of burns] Sandomirskii BP, et al. **Klin Khir** 1984 Mar;(3):17–20 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the morphofunctional characteristics of bone marrow cells preserved for long periods at low temperatures] Kogut GI. **Vrach Delo** 1983 Dec;(12):80–2 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Growth characteristics of murine tumors: neuroblastoma, renal cell adenocarcinoma, Wistar/Furth Wilms' after storage in a cryopreservation system. Murphy GP, et al. **Oncology** 1984;41(4):280–4

[Changing the Ultracryostat N 180 for the deep freezing of biological material] Diettrich B, et al. **Z Med Lab Diagn** 1984;25(3):182–4 **(Ger)**

METHODS

Restoration of the softness and flexibility of cadavers

preserved in formalin. Tschernezky W. **Acta Anat (Basel)** 1984;118(3):159–63

Glutaraldehyde fixatives for preserving the chick's inner ear. Park JC, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):72–80

The effect of media and temperature on the storage of Chlamydia trachomatis. Aarnaes SL, et al. **Am J Clin Pathol** 1984 Feb;81(2):237–9

Chondroitin sulfate in a new cornea preservation medium [letter] Kaufman HE, et al. **Am J Ophthalmol** 1984 Jul 15; 98(1):112–4

Cryopreservation of human pulmonary alveolar macrophages. McLemore TL, et al. **Am Rev Respir Dis** 1984 Feb;129(2):269–73

Preparation of venous allografts. A comparison of techniques. Balderman SC, et al. **Ann Surg** 1984 Aug;200(2):117–30

Specular microscopic appearance of damaged and dead endothelial cells in corneas following short-term storage. Neubauer L, et al. **Arch Ophthalmol** 1984 Mar; 102(3):439–44

Mechanical suitability of glycerol-preserved human dura mater for construction of prosthetic cardiac valves. McGarvey KA, et al. **Biomaterials** 1984 Mar;5(2):109–17

Preservation and fixation of skin for ulterior scientific evaluation and courtroom presentation. Dorion RB. **Can Dent Assoc J** 1984 Feb;50(2):129–30

Mechanical and functional properties of implanted freeze-dried flexor tendons. Webster DA, et al. **Clin Orthop** 1983 Nov;(180):301–9

Recovery of CFU-GM after freezing of normal human bone marrow: effect of three dilution techniques after thawing. Visani G, et al. **Cryobiology** 1983 Oct;20(5):587–90

Cryopreservation of solid tissues. Böhm F, et al. **Czech Med** 1983;6(3):187–9

Evaluation of kidney viability during hypothermic perfusion or cold storage. Nauclér J, et al. **Eur Surg Res** 1984; 16(1):47–56

Cryopreservation of blood cells and other tissues: current status. Meryman HT. **Haematologia (Budap)** 1982 Dec; 15(4):337–50

Maintenance of neonatal endocrine cells of the rat. I. Effects of 2-deoxyglucose and 2-deoxy-2-fluoroglucose. Yoshida K, et al. **Horm Metab Res** 1984 Mar;16(3):120–4

Biological fluids. Collection, preservation and artefact control. Archer MC, et al. **IARC Sci Publ** 1983;45:245–53

Cryopreservation of mature teeth before replantation in monkeys (I). Effect of different cryoprotective agents and freezing devices. Schwartz O, et al. **Int J Oral Surg** 1983 Dec;12(6):425–36

A technique for preparation, removal, and storage of cadaver spine specimens for CT evaluation. Pagani JJ, et al. **Invest Radiol** 1984 Jan–Feb;19(1):51–3

Rapid processing of fetal skin for prenatal diagnosis by light and electron microscopy. Eady RA, et al. **J Clin Pathol** 1984 Jun;37(6):633–8

Preservation of sections of unfixed undemineralised bone [letter] Stickley NG. **J Clin Pathol** 1984 Jun;37(6):713–4

Influence of serum on cultured murine tooth organ allotransplants. Riviere GR. **J Dent Res** 1984 Aug; 63(8):1072–4

A simple inexpensive cryogenic storage device for microscopy specimens. Rigler MW, et al. **J Microsc** 1984 Jun;134 (Pt 3):335–6

An improved method for in situ freezing of cat brain for metabolic studies. Yang MS, et al. **J Neurochem** 1983 Nov; 41(5):1393–7

Storage and long-term use of human biopsy tissue in histochemical studies. McConnell J. **J Neurosci Methods** 1983 Aug;8(4):385–90

Two-step freezing of two-cell rabbit embryos after partial dehydration at room temperature. Renard JP, et al. **J Reprod Fertil** 1984 Jul;71(2):573–80

Human skin storage techniques: a study utilizing a nude mouse recipient. Cram AE, et al. **J Trauma** 1983 Oct; 23(10):924–6

Osmium ferricyanide fixation improves microfilament preservation and membrane visualization in a variety of animal cell types. McDonald K. **J Ultrastruct Res** 1984 Feb;86(2):107–18

Energy metabolism and histomorphological findings in replanted rat hind limbs using various conservation methods. Eisenhardt HJ, et al. **Microsurgery** 1984;5(2):61–9

Human pregnancy following cryopreservation, thawing and transfer of an eight-cell embryo. Trounson A, et al. **Nature** 1983 Oct 20–26;305(5936):707–9

Disinfection of human heart valve allografts with antibiotics in low concentration. Strickett MG, et al. **Pathology** 1983 Oct;15(4):457–62

Prolonged life and improved quality for stored skin grafts. Hurst LN, et al. **Plast Reconstr Surg** 1984 Jan;73(1):105–10

Mitoses and microorganisms in the periodontal membrane after storage in milk or saliva. Lindskog S, et al. **Scand J Dent Res** 1983 Dec;91(6):465–72

Skin viability studies in vitro. Jensen HS. **Scand J Plast Reconstr Surg** 1984;18(1):55–9

Rapid freezing and frozen sectioning as a means of preserving brain vessel morphometric characteristics. Hart MN, et al. **Stroke** 1984 Jan–Feb;15(1):136–8

Dimethylsulfoxide-treated, cryopreserved venous allografts in the arterial and venous systems. Sitzmann JV, et al. **Surgery** 1984 Feb;95(2):154–9

Cold storage of the pancreas with a view to preservation of islet cell function following transplantation. Nolan MS, et al. **Transplantation** 1983 Nov;36(5):486–90

Preservation of ischemically injured canine kidneys by retrograde oxygen persufflation. Rolles K, et al. **Transplantation** 1984 Aug;38(2):102–6

Cryopreservation of insulin-producing tissue in rats and dogs. Rajotte RV, et al. **World J Surg** 1984 Apr;8(2):179–86

[Allotransplantation of freeze-dried vessels in dogs] Chen ZW. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):217–9 **(Chi)**

[Preservation and application possibilities of allogenic (homologous) transplants in the ear, nose and throat region] Kastenbauer ER. **HNO** 1983 Nov;31(11):371–80 (Eng. Abstr.) **(Ger)**

[Prolongation of ischemic tolerance time of donor livers by alkaline preservation solutions] Ukigusa M, et al. **Res Exp Med (Berl)** 1984;184(2):103–13 (Eng. Abstr.) **(Ger)**

[Cryopreservation of fetal pancreas fragments of rats] Berling R, et al. **Z Med Lab Diagn** 1984;25(3):160–4 (Eng. Abstr.) **(Ger)**

[Methods for detecting increases in lipid peroxidation processes as the result of cryopreservation] Herrmann M, et al. **Z Med Lab Diagn** 1984;25(3):145–8 (Eng. Abstr.) **(Ger)**

[The peroxidase activity of penicillin G and its effect on increased cryoresistance in biological tissue] Montag T, et al. **Z Med Lab Diagn** 1984;25(3):149–53 (Eng. Abstr.) **(Ger)**

[Mathematic description of concentration changes in the perfusate with respect to perfusate volume during cryoprotection of the kidney for low temperature preservation] Pauer HD, et al. **Z Med Lab Diagn** 1984; 25(3):173–7 (Eng. Abstr.) **(Ger)**

[Organization of a skin bank based on cryopreservation in liquid nitrogen. 1st results] Weissflog A, et al. **Z Med Lab Diagn** 1984;25(3):169–72 (Eng. Abstr.) **(Ger)**

[Hypothermic perfusion and cold storage of the dog pancreas] Panzig E, et al. **Zentralbl Chir** 1984;109(8):545–9 (Eng. Abstr.) **(Ger)**

[Elastase treated frozen-dried homologous vein graft for peripheral arterial reconstruction] Muto Y. **Fukuoka Igaku Zasshi** 1984 Feb;75(2):47–63 (Eng. Abstr.) **(Jpn)**

[Storage of cultured chick retinal pigment epithelial cells in frozen state] Shirakawa H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):621–6 (Eng. Abstr.) **(Jpn)**

[An experimental study of the effect of fluorocarbon perfusion for amputated limb preservation. The effect of inhibition for replantation toxemia and muscle tissue destruction] Sakata H. **Nippon Seikeigeka Gakkai Zasshi** 1984 May;58(5):497–508 (Eng. Abstr.) **(Jpn)**

[Viability of allogenic bone transplants preserved by various methods] Tkachenko SS. **Ortop Travmatol Protez** 1983 Aug;(8):69–71 (0 ref.) **(Rus)**

[Changes in the immunogenic characteristics of allogeneic jaw grafts preserved by different methods] Kostylev MV, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):13–5 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the efficacy of disinfection of the umbilicus using several antiseptics] Barinov VS, et al. **Vestn Khir** 1984 Feb;132(2):43–4 **(Rus)**

[Morphofunctional preservation of rat liver mitochondria incubated at 0 degrees C] Sukl'skiĭ IA, et al. **Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):246–50 (Eng. Abstr.) **(Rus)**

VETERINARY

Methenamine as an induced artifact during extraction of formaldehyde-preserved tissue. DuVall MD, et al. **Vet Hum Toxicol** 1984 Aug;26(4):293–4

TISSUE SURVIVAL

Ex vivo metabolic analysis of eye bank corneas using phosphorus nuclear magnetic resonance. Greiner JV, et al. **Arch Ophthalmol** 1984 Aug;102(8):1171–3

Evaluation of kidney viability during hypothermic perfusion or cold storage. Nauclér J, et al. **Eur Surg Res** 1984; 16(1):47–56

Quantitation of skin-flap survival: a computer-based method. Nichter LS, et al. **Plast Reconstr Surg** 1984 Apr;73(4):684–6

[Phospholipid hydrolysis and ferrous oxide-induced chemiluminescence in surviving rat liver mitochondria] Sorokovoĭ VI, et al. **Biull Eksp Biol Med** 1983 Dec; 96(12):113–6 (Eng. Abstr.) **(Rus)**

[Comprehensive evaluation of the viability of a Filatov pedicle flap] Selga GS. **Stomatologiia (Mosk)** 1984 Jul–Aug; 63(4):45–8 (Eng. Abstr.) **(Rus)**

[A method for long-term preservation of the viability of an injured extremity] Bukov VA. **Voen Med Zh** 1984 Feb; (2):59–61 **(Rus)**

DRUG EFFECTS

Prediction of skin viability following en bloc resection for osteogenic sarcoma with fluorescein. Zahr KA, et al. **Clin Orthop** 1983 Nov;(180):287–90

TISSUE THERAPY

New hope for the retarded? Karp LE. **Am J Med Genet** 1983 Sep;16(1):1–5

[The truth about fresh cells] Oepen I. **Off Gesundheitswes** 1983 Sep;45(9):445–50 **(Ger)**

[Bases of the need for tissue therapy in the complex treatment of microcirculatory disorders of the eye in lead poisoning] Gogina IF. **Oftalmol Zh** 1984;(1):11–4 (Eng. Abstr.) **(Rus)**

[Therapeutic action of torfot in corneal opacities] Gorgiladze TU, et al. **Oftalmol Zh** 1984;(1):6–8 (Eng. Abstr.) **(Rus)**

[Effects of tissue preparations on the functional activity of somatic cells] Usov NI. **Oftalmol Zh** 1984;(1):4–6 (Eng. Abstr.) **(Rus)**

[Use of tissue therapy in the treatment of chorioretinitis] Vorob'eva II. **Oftalmol Zh** 1984;(1):8–10 (Eng. Abstr.) **(Rus)**

METHODS

[Development of tissue therapy using the V. P. Filatov method] Puchkovskaia NA, et al. **Oftalmol Zh** 1984;(1):1–4 (Eng. Abstr.) **(Rus)**

TISSUE TYPING see **HISTOCOMPATIBILITY TESTING**

TITANIUM

Invasion of bone into porous fiber metal implants in cats. Rønningen H, et al. **Acta Orthop Scand** 1984 Jun; 55(3):352–8

Weldability of beta titanium arch wires. Donovan MT, et al. **Am J Orthod** 1984 Mar;85(3):207–16

Osseous adaptation to continuous loading of rigid endosseous implants. Roberts WE, et al. **Am J Orthod** 1984 Aug; 86(2):95–111

The reduction of hydroxamic acids with titanium(III) chloride: a tool for the characterization of siderophores. Kushner DJ, et al. **Anal Biochem** 1983 Aug;133(1):116–9

Estimation of hydrogen peroxide in plant extracts using titanium(IV). Patterson BD, et al. **Anal Biochem** 1984 Jun; 139(2):487–92

The reduction of aliphatic and aromatic N-oxides to the corresponding amines with titanium(III) chloride. Seaton QF, et al. **Anal Biochem** 1984 Apr;138(1):238–41

Osseous penetration rate into implants pretreated with bone cement. Albrektsson T. **Arch Orthop Trauma Surg** 1984; 102(3):141–7

A simple method of shaping titanium microelectrodes. Kelliher EM, et al. **IEEE Trans Biomed Eng** 1984 Jul; 31(7):532–3

Fatigue properties of carbon- and porous-coated Ti-6Al-4V alloy. Cook SD, et al. **J Biomed Mater Res** 1984 May–Jun; 18(5):497–512

In vivo metal-ion release from porous titanium-fiber material. Ducheyne P, et al. **J Biomed Mater Res** 1984 Mar;18(3):293–308

Histological evaluation of porous titanium cardiac pacemaker electrode tips. Hirshorn MS, et al. **J Biomed Mater Res** 1984 Jan;18(1):47–60

Stiffness and inelastic deformation in acrylictitanium composite implant materials under compression. Schnur DS, et al. **J Biomed Mater Res** 1983 Nov;17(6):973–91

Casting properties of Ni-Ti shape memory alloy. Takahashi J, et al. **J Biomed Mater Res** 1984 Apr;18(4):427–34

Grooved titanium surfaces orient growth and migration of cells from human gingival explants. Brunette DM, et al. **J Dent Res** 1983 Oct;62(10):1045–8

The influence of drawing parameters on the mechanical properties of two beta-titanium alloys. Shastry CV, et al. **J Dent Res** 1983 Oct;62(10):1092–7

Pan abrasion and polymorphism of titanium dioxide in coating suspensions. Rosoff M, et al. **J Pharm Sci** 1983 Dec;72(12):1485

[Application of a NiTi shape-memory alloy in double-cup prosthesis of hip] Dai KR. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):540–1 (Eng. Abstr.) **(Chi)**

[Observation on adaptation of human body to titanium alloy] Zhang PD. **Chung Hua Wai Ko Tsa Chih** 1983 Jun; 21(6):346–7 (Eng. Abstr.) **(Chi)**

[Clinical results after 6 years' wearing of endosseous titanium plasma-coated double-hollow cylinder implants] Forster R, et al. **Schweiz Monatsschr Zahnmed** 1984 Jul; 94(7):588–99 (Eng. Abstr.) **(Ger)**

[6-year clinical trial with titanium plasma-coated ITI (Internationales Team für Implantologie) screw implants in the mandibular interforaminal region. Ledermann D. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Nov; 93(11):1070–89 (Eng. Abstr.) **(Ger)**

[Experimental results of stepped titanium shafts for hip endoprostheses] Stock D, et al. **Z Orthop** 1983 Sep–Oct; 121(5):640–5 (Eng. Abstr.) **(Ger)**

[Application of Ti-Ni shape memory alloys to the otorhinolaryngological field] Fujioka M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):461–7 (Eng. Abstr.) **(Jpn)**

[Alumina ceramic (Bioceram) as the cranioplastic material—experimental study and application in cranioplasty] Okumura T, et al. **No Shinkei Geka** 1984 Mar; 12(3 Suppl):246–52 (Eng. Abstr.) **(Jpn)**

[Osteosynthesis using titanium nickel brackets] Vitiugov IA, et al. **Ortop Travmatol Protez** 1984 Jan;(1):5–7 (Eng. Abstr.) **(Rus)**

[Protective coating of metal dental prostheses with titanium

nitride] Gritsal NP, et al. **Voen Med Zh** 1984 Mar;(3):60–1 **(Rus)**

ADMINISTRATION & DOSAGE

[Test of dental homotransplantation after thin layer metal plating in animals] Dodo S, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):357–64 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Frictional corrosion in special multiple-component endoprostheses with regard to the combination of materials] Winkler-Gniewek W, et al. **Biomed Tech (Berlin)** 1983 Jul-Aug;28(7–8):160–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

An evaluation of skeletal attachment to LTI pyrolytic carbon, porous titanium, and carbon-coated porous titanium implants. Anderson RC, et al. **Clin Orthop** 1984 Jan-Feb;(182):242–57

PHARMACODYNAMICS

Highly acid SnF2 and TiF4 solutions. Effect on and chemical reaction with root dentin in vitro. Tveit AB, et al. **Caries Res** 1983;17(5):412–8

Inhibition of uncontrolled callus development in Helianthus tuberosus by platinum and titanium wire. Bellamy D, et al. **Cell Biol Int Rep** 1984 Apr;8(4):276

Corrosion of titanium/cobalt-chromium alloy couples. Kummer FJ, et al. **J Bone Joint Surg [Am]** 1983 Oct; 65(8):1125–6

Induction of cell arrest at G1/S and in G2 after treatment of Ehrlich ascites tumor cells with metallocene dichlorides and cis-platinum in vitro. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1983;106(1):44–52

The effect of polyvalent metal ion mordanting on caries-like lesion progression in enamel. Clarkson BH, et al. **J Dent Res** 1984 Jan;63(1):13–8

[Decrease of the effect of theophylline by the rectal route in an asthmatic patient after previous administration of a suppository of Titanoreine (letter)] Ganansia R, et al. **Therapie** 1984 Jan-Feb;39(1):50–2 **(Fre)**

[In vitro studies of the effect of zinc oxide and titanium dioxide on dermatophytes] Paetzold OH. **Mykosen** 1984 Jun;27(6):284–9 (Eng. Abstr.) **(Ger)**

[Experience in coating bridge and clasp prostheses made of stainless steel with titanium nitride] Aleksandrov NM, et al. **Voen Med Zh** 1984 Feb;(2):58–9 **(Rus)**

THERAPEUTIC USE

Immunologic response to the treatment of Ehrlich ascites tumor with titanocene dichloride. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1984;108(2):25'–5

TOXICITY

Tissue reaction to the intrapleural injection of polyvinyl chloride powder, alpha-quartz and titanium dioxide. Grasso P, et al. **Ann Occup Hyg** 1983;27(4):415–25

Histological and histochemical investigation of the internal organs of rats treated with titanium dioxide. Humiczewska M, et al. **Folia Biol (Krakow)** 1983;31(2):167–75

TN ELEMENTS see **DNA INSERTION ELEMENTS**

TNT see **TRINITROTOLUENE**

TOAD, ARGENTINE see **BUFO ARENARUM**

TOAD, COMMON see **BUFO BUFO**

TOAD, FIRE-BELLIED see **ANURA**

TOAD, GIANT see **BUFO MARINUS**

TOAD, MARINE see **BUFO MARINUS**

TOAD VENOMS see **AMPHIBIAN VENOMS**

TOADS AND FROGS see **ANURA**

TOADS, TRUE see **BUFONIDAE**

TOADSTOOLS see **MUSHROOMS**

TOBACCO

see related
NICOTINE
SMOKING

Oral malignant and premalignant changes in 'Shammah'-users from the Gizan region, Saudi Arabia. Salem G, et al. **Acta Odontol Scand** 1984 Feb;42(1):41–5

The effect of low-, medium- and high-tar cigarette smoke on the fate of arachidonic acid in isolated hamster lungs. Matintalo M, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):280–7

Trends of lung cancer mortality in Italy in relation to consumption of tobacco products. Mastrandrea V, et al. **Am J Epidemiol** 1984 Aug;120(2):257–64

Cigarette smoke, asbestos, and small irregular opacities. Weiss W. **Am Rev Respir Dis** 1984 Aug;130(2):293–301 (54 ref.)

Resistance to tobacco necrosis virus induced by salicylate in detached tobacco leaves. Pennazio S, et al. **Antiviral Res** 1983 Dec;3(5–6):335–46

Snuff dipper's carcinoma. McGuirt WF. **Arch Otolaryngol** 1983 Nov;109(11):757–60

Cigarette smoke and carbon monoxide do not have equivalent effects upon development of arteriosclerotic lesions. Penn A, et al. **Artery** 1983;12(2):117–31

Cellular effects of smoke from 'safer' cigarettes. Hopkin JM, et al. **Br J Cancer** 1984 Mar;49(3):333–6

Extrinsic allergic alveolitis in the tobacco industry. Huuskonen MS, et al. **Br J Ind Med** 1984 Feb;41(1):77–83

Carbon monoxide yield of cigarettes and its relation to cardiorespiratory disease [letter] Jarvis MJ, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):566–7

A comperison of the use of smokeless tobacco in rural and urban teenagers. Poulson TC, et al. **CA** 1984 Sep-Oct; 34(5):248–61

Smokeless tobacco and oral cancer: a cause for concern? Squier CA. **CA** 1984 Sep-Oct;34(5):242–7

Cervical cancer in relation to tobacco and alcohol consumption in Lesotho, southern Africa. Martin PM, et al. **Cancer Detect Prev** 1984;7(2):109–15

Inhibition of herpes simplex virus replication by tobacco extracts. Hirsch JM, et al. **Cancer Res** 1984 May; 44(5):1991–7

Mutagenicity of smoke condensate of bidi—an indigenous cigarette of India. Shirname LP, et al. **Carcinogenesis** 1984 Sep;5(9):1179–81

Nicotine and carbon monoxide intake from high- and low-yield cigarettes. Benowitz NL, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):265–70

Tobacco dermatitis in Japanese harvesters. Nakamura T. **Contact Dermatitis** 1984 May;10(5):310

Teratogenicity and toxicity of wild tree tobacco, Nicotiana glauca in sheep. Keeler RF, et al. **Cornell Vet** 1984 Jan; 74(1):50–9

The effects of naturally occurring metabolites (L-cysteine, vitamin C) on cultured human cells exposed to smoke of tobacco or marijuana cigarettes. Leuchtenberger C, et al. **Cytometry** 1984 Jul;5(4):396–402

Dietary vitamin E and pulmonary biochemical responses of rats to cigarette smoking. Chow CK, et al. **Environ Res** 1984 Jun;34(1):8–17

Influence of fly ash and charcoal on the inducer activity of benzo[a]pyrene and smoke condensate in the gut mucosa of the rat. Kivelä-Ikonen P, et al. **Environ Res** 1983 Oct; 32(1):1–7

Blood pressure, coffee, tea and tobacco consumption: an epidemiological study in Algiers. Lang T, et al. **Eur Heart J** 1983 Sep;4(9):602–7

Toxic and transforming effects of cigarette smoke condensates in fetal Syrian golden hamster lung cell cultures. Emura M, et al. **Exp Pathol** 1983;24(4):261–4

Detection of N-nitrosamines in the saliva of habitual chewers of tobacco. Sipahimalani AT, et al. **Food Chem Toxicol** 1984 Apr;22(4):261–4

Radioactivity in cigarette smoke issue. Cross FT. **Health Phys** 1984 Jan;46(1):205–8

Cigarette smoke components are not very effective in directly inactivating alpha 1-proteinase inhibitor. Wyss A, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):511–6

Effect of tobacco chewing by mothers on placental morphology. Agrawal P, et al. **Indian Pediatr** 1983 Aug; 20(8):561–5

Mortality experience in relation to tobacco chewing and smoking habits from a 10-year follow-up study in Ernakulam District, Kerala. Gupta PC, et al. **Int J Epidemiol** 1984 Jun;13(2):184–7

Clinical management and soft tissue reconstruction of periodontal damage resulting from habitual use of snuff. Hoge HW, et al. **J Am Dent Assoc** 1983 Nov;107(5):744–5

Cigarette smoke acutely increases collateral resistance in excised dog lobes. Nakamura M, et al. **J Appl Physiol** 1984 Jan;56(1):166–74

Dose-response study of the carcinogenicity of tobacco-specific N-nitrosamines in F344 rats. Hoffmann D, et al. **J Cancer Res Clin Oncol** 1984;108(1):81–6

Fifteen years of study of psychoactive snuffs of South America: 1967–1982—a review. Schultes RE. **J Ethnopharmacol** 1984 Jun;11(1):17–32 (40 ref.)

Effect of snuff and herpes simplex virus-1 on rat oral mucosa: possible associations with the development of squamous cell carcinoma. Hirsch JM, et al. **J Oral Pathol** 1984 Feb; 13(1):52–62

A comparison of smoking related attitudes and behaviors among Kentucky public school children whose families are and are not involved in tobacco production. Higgins CW, et al. **J Sch Health** 1984 May;54(5):185–7

Reduction with vitamin A and beta-carotene administration of proportion of micronucleated buccal mucosal cells in Asian betal nut and tobacco chewers. Stich HF, et al. **Lancet** 1984 Jun 2;1(8388):1204–6

Not biting the hand that feeds you. Tobacco advertising and editorial bias in Australian newspapers. Chapman S. **Med J Aust** 1984 Apr 14;140(8):480–2

Smokescreen. Sarfaty G. **Med J Aust** 1983 Sep 3;2(5):244–5

The Samuel C. Harvey memorial lecture: Progress and responsibilities of educators in smoking control. Schuman LM. **Med Pediatr Oncol** 1983;11(6):375–82

Sister chromatid exchanges in betel and tobacco chewers. Ghosh R, et al. **Mutat Res** 1984 Feb;139(2):79–81

Studies on the induction of sister-chromatid exchanges in Chinese hamster ovary cells by various tobacco alkaloids. Riebe M, et al. **Mutat Res** 1983 Dec;124(3–4):281–6

Quantitative studies of biological responses in hamsters exposed to tobacco smoke and effects of vitamin C supplement on smoke inhalation toxicity. Harada T, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):613–26

The business of smoking. **NY State J Med** 1983 Dec; 83(13):1324–32

The spirit of Chadwick. Budnick LD. **NY State J Med** 1983 Dec;83(13):1345–6

BUGA-UP (Billboard Utilizing Graffitists Against Unhealthy Promotions). An Australian movement to end cigarette advertising. Chesterfield-Evans A. **NY State J Med** 1983 Dec;83(13):1333–4

The transnational tobacco and alcohol conglomerates. A world oligopoly. Clairmonte FF. **NY State J Med** 1983 Dec;83(13):1322–3

The research smokescreen. Moving from academic debate to action on smoking. Coleman M. **NY State J Med** 1983 Dec;83(13):1280–1

Aspects of smoking in developing countries in Africa. Femi-Pearse D. **NY State J Med** 1983 Dec;83(13):1312–3

Culpable negligence: a case for the courts? Lessof MH. **NY State J Med** 1983 Dec;83(13):1282–3

Smoking or health: the Brazilian option. Lokschin FL, et al. **NY State J Med** 1983 Dec;83(13):1314–6

The environmental impact of tobacco production in developing countries. Madeley J. **NY State J Med** 1983 Dec;83(13):1310–1

Preventing tomorrow's epidemic. The control of smoking and tobacco production in developing countries. Muller M. **NY State J Med** 1983 Dec;83(13):1304–9

India's shame. A war on smallpox but a welcome for cigarettes. Nath UR. **NY State J Med** 1983 Dec; 83(13):1320–1

The politics of tobacco: curse and cure. Pertschuk M. **NY State J Med** 1983 Dec;83(13):1275–7

'Less hazardous' cigarettes: fact or fiction? Rickert WS. **NY State J Med** 1983 Dec;83(13):1269–72

Smoking in Malaysia. Promotion and control. Teoh SK. **NY State J Med** 1983 Dec;83(13):1317–9

The economics of smoking: dollars and sense. Warner KE. **NY State J Med** 1983 Dec;83(13):1273–4

Oral tissue alterations associated with the use of smokeless tobacco by teen-agers. Part I. Clinical findings. Greer RO Jr, et al. **Oral Surg** 1983 Sep;56(3):275–84

Taste and nicotine as determinants of voluntary tobacco use by hamsters. Ksir C. **Pharmacol Biochem Behav** 1983 Oct; 19(4):605–8

Effects of cigarette smoke and nicotine on feeding and energy. Wager-Srdar SA, et al. **Physiol Behav** 1984 Mar; 32(3):389–95

A comparison of the yields of tar, nicotine, and carbon monoxide of 36 brands of Canadian cigarettes tested under three conditions. Rickert WS, et al. **Prev Med** 1983 Sep; 12(5):682–94

Hemodynamic effects of oral smokeless tobacco in dogs and young adults. Squires WG Jr, et al. **Prev Med** 1984 Mar; 13(2):195–206

Cigarette smoke causes acute fluctuations in the cyclic GMP content of the isolated intact lung. Maron MB, et al. **Respiration** 1984;45(1):39–44

Oral tobacco: another cause for dizziness. Gross JY. **South Med J** 1984 Jun;77(6):772–4

Switching to low tar cigarettes: are the tar league tables relevant? Rawbone RG. **Thorax** 1984 Sep;39(9):657–62

Lung cell reactions in guinea pigs exposed to tobacco smoke and silica dust or bacterial lipopolysaccharides. Sjöstrand M, et al. **Toxicology** 1984 Feb;29(4):271–80

[Tobacco poisoning in children] Carl P, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1160–1 (Eng. Abstr.) **(Dan)**

[Chemical composition of tobacco smoke] Angenot L. **Rev Med Liege** 1983 Sep 1;38(17):632–40 **(Fre)**

[Treatment of tobacco dependence] Bobon D. **Rev Med Liege** 1983 Sep 1;38(17):667–9 **(Fre)**

[Air-borne dust exposure during the sorting of raw tobacco leaves] Breternitz H. **Z Gesamte Hyg** 1983 Dec; 29(12):758–60 (Eng. Abstr.) **(Ger)**

[Mechanism of the mutagenic/carcinogenic action of inhaled and ambient portions of cigarette smoke at the level of the lung] Scassellati Sforzolini G, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4–6):835–52 (Eng. Abstr.) **(Ita)**

[Studies on the defense mechanisms in the respiratory system. iv. effect of inhaling cigarette smoke on the levels of immunoglobulins and lysozyme in bronchial lavage fluid and antibody production] Kado M, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1-2):21–6 (Eng. Abstr.) **(Jpn)**

[Pharmacology and toxicology of tobacco smoke] Lisiewicz J, et al. **Wiad Lek** 1983 Aug 15;36(16):1339–44 (43 ref.) **(Pol)**

[Tobacco in oral pathology] da Silva N. **Rev Port Estomatol Cir Maxilofac** 1982 Jul-Sep; 23(3):357–68 **(Por)**

ANALYSIS

Isolation and characterization of proteinase inhibitor I from etiolated tobacco leaves. Kuo TM, et al.

Arch Biochem Biophys 1984 May 1;230(2):504–10

Cadmium exposure from smoking cigarettes: variations with time and country where purchased. Elinder CG, et al. **Environ Res** 1983 Oct;32(1):220–7

Volatile N–nitrosamines in snuff and chewing tobacco on the Swedish market. Osterdahl BG, et al. **Food Chem Toxicol** 1983 Dec;21(6):759–62

Contribution of a nuclear fuel chemical separations facility to the plutonium content of a tobacco crop. McLeod KW, et al. **Health Phys** 1984 Jun;46(6):1205–11

IV.5.b GC–TEA of NDELA from tobacco products. Brunnemann KD, et al. **IARC Sci Publ** 1983;45:399–402

II.2.c N–nitrosodiethanolamine in tobacco and mainstream and sidestream smoke Brunnemann KD, et al. **IARC Sci Publ** 1983;45:85–92

IV.6 HPLC–TEA of tobacco-specific nitrosamines. Hecht SS, et al. **IARC Sci Publ** 1983;45:429–36

II.2.d Tobacco–specific nitrosamines in tobacco and tobacco smoke. Hecht SS, et al. **IARC Sci Publ** 1983;45:93–101

IV.2.b GC–TEA of volatile nitrosamines from tobacco products. Hoffmann D, et al. **IARC Sci Publ** 1983;45:363–6

II.2.b Volatile nitrosamines in tobacco and mainstream and sidestream smoke and indoor environments. Hoffmann D, et al. **IARC Sci Publ** 1983;45:69–83

II.2.a General aspects. Hoffmann D, et al. **IARC Sci Publ** 1983;45:63–7

Volatile nitrosamines in the main stream smoke of black tobacco. Truhaut R, et al. **J Cancer Res Clin Oncol** 1984; 108(1):157–9

Determination of nicotine in allergenic extracts of tobacco leaf by high–performance liquid chromatography. Sudan BJ, et al. **J Chromatogr** 1984 Apr 24;288(2):415–22

Tar, nicotine, and carbon monoxide yields of some Nigerian cigarettes. Awotedu AA, et al. **J Epidemiol Community Health** 1983 Sep;37(3):218–20

[Hygienic evaluation of organic substances in tobacco smoke] Dmitriev MT, et al. **Gig Sanit** 1983 Aug;(8):7–10 (14 ref.) (Eng. Abstr.) **(Rus)**

CYTOLOGY

Somatic hybridization of two selected single cells. Koop HU, et al. **Cell Biol Int Rep** 1983 Dec;7(12):1123–8

GENETICS

Clone bank of Nicotiana tabacum chloroplast DNA: mapping of the alpha, beta and epsilon subunits of the ATPase coupling factor, the large subunit of ribulosebisphosphate carboxylase, and the 32–kDal membrane protein. Fluhr R, et al. **Gene** 1983 Nov;25(2–3):271–80

Overlap and cotranscription of the genes for the beta and epsilon subunits of tobacco chloroplast ATPase. Shinozaki K, et al. **Gene** 1983 Oct;24(2–3):147–55

The nucleotide sequences of tRNASer (GCU) and tRNAGln (UUG) genes from tobacco chloroplasts. Deno H, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8407–14

Organ–specific nuclear RNAs in tobacco. Kamalay JC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2801–5

[Genetic toxicology of tobacco] Gielen JE. **Rev Med Liege** 1983 Sep 1;38(17):666–7 **(Fre)**

GROWTH & DEVELOPMENT

Selenium in particulates and gaseous fractions of smoke from cigarettes prepared from tobacco grown on fly–ash–amended soil. Gutenmann WH, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):385–93

METABOLISM

Metabolism of tobacco–specific N–nitrosamines by cultured human tissues. Castonguay A, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6694–7

MICROBIOLOGY

Mode of action of the antiphytoviral compound 2,4–dioxohexahydro–1,3,5–triazine (5–azadihydrouracil). Schuster G, et al. **Intervirology** 1984;21(3):134–40

Quantitative determination by ELISA of tobacco necrosis virus from necrotic local lesions in tobacco. Roggero P, et al. **J Virol Methods** 1984 Jul;8(4):283–91

[Virus–specific informosomes in tobacco cells infected with tobacco mosaic virus] Dorokhov IuL, et al. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):83–91 (Eng. Abstr.) **(Rus)**

TOBACCO DEPENDENCE see **TOBACCO USE DISORDER**

TOBACCO MOSAIC VIRUS

ANALYSIS

31P nuclear magnetic resonance of the RNA in tobacco mosaic virus. Cross TA, et al. **J Mol Biol** 1983 Nov 15; 170(4):1037–43

Calcium ion binding by isolated tobacco mosaic virus coat protein. Gallagher WH, et al. **J Mol Biol** 1983 Nov 15; 170(4):921–9

Calcium and potassium ion binding by tobacco mosaic virus ribonucleic acid. Gastfriend HH, et al. **J Mol Biol** 1983 Nov 15;170(4):931–7

DRUG EFFECTS

Effect of abscissic acid on tobacco mosaic virus. Mishra MD, et al. **Acta Microbiol Pol** 1983;32(2):169–75

Inhibitory effect of heteropolyanions on tobacco mosaic virus. Sharma B, et al. **Acta Virol (Praha)** 1984 May; 28(3):256

Characterization of a plant virus inhibitor from two Solanum species. Roychoudhury R, et al. **Indian J Exp Biol** 1983 Apr;21(4):212–5

GENETICS

Multiple ribosome binding to the 5'–terminal leader sequence of tobacco mosaic virus RNA. Assembly of an 80S ribosome X mRNA complex at the AUU codon. Tyc K, et al. **Eur J Biochem** 1984 May 2;140(3):503–11

The 5'–terminal sequence of TMV RNA. Question on the polymorphism found in vulgare strain. Meshi T, et al. **FEBS Lett** 1983 Oct 17;162(2):282–5

The initiation site for transcription of the TMV 30–kDa protein messenger RNA. Watanabe Y, et al. **FEBS Lett** 1984 Jul 23;173(1):247–50

Cross–linking of tobacco mosaic virus RNA and capped polyribonucleotides to 18S rRNA in wheat germ ribosome–mRNA complexes. Yokoe S, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1803–8

5'–dephosphorylated 2',5'–adenylate trimer and its analogs. Inhibition of tobacco mosaic virus replication in tobacco mosaic virus–infected leaf discs, protoplasts, and intact tobacco plants. Devash Y, et al. **J Biol Chem** 1984 Mar 25;259(6):3482–6

Homologous proteins encoded by yeast mitochondrial introns and by a group of RNA viruses from plants. Zimmern D. **J Mol Biol** 1983 Dec 15;171(3):345–52

Single amino acid substitution in 30K protein of TMV defective in virus transport function. Ohno T, et al. **Virology** 1983 Nov;131(1):255–8

[Virus–specific informosomes in tobacco cells infected with tobacco mosaic virus] Dorokhov IuL, et al. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):83–91 (Eng. Abstr.) **(Rus)**

[Directed fragmentation of tobacco mosaic virus RNA: excision of 3' terminal sections, containing coat protein genes of tobacco mosaic virus] Rodionova NP, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):809–17 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Unique nature of an attenuated strain of tobacco mosaic virus: autoregulation. Kiho Y, et al. **Microbiol Immunol** 1984; 28(5):589–99

IMMUNOLOGY

Monoclonal antibodies as probes of the antigenic structure of tobacco mosaic virus. Al Moudallal Z, et al. **EMBO J** 1982;1(8):1005–10

The antibody response to a single antigenic determinant of the tobacco mosaic virus protein (TMVP): effects of allotype–linked genes and restricted heterogeneity of the response. Morrow PR, et al. **J Immunol** 1983 Dec; 131(6):2875–81

Quantitative determination by ELISA of tobacco necrosis virus from necrotic local lesions in tobacco. Roggero P, et al. **J Virol Methods** 1984 Jul;8(4):283–91

Idiotypic studies of monoclonal anti–tobacco mosaic virus antibodies from one mouse. Slaoui M, et al. **Mol Immunol** 1983 Oct;20(10):1073–80

METABOLISM

Coordinated two–disk nucleation, growth and properties, of virus–like particles assembled from tobacco–mosaic–virus capsid protein with poly(A) or oligo(A) of different length. Schön A, et al. **Eur J Biochem** 1984 Apr 2;140(1):119–27

Calcium ion binding by tobacco mosaic virus. Gallagher WH, et al. **J Mol Biol** 1983 Nov 15;170(4):905–19

[Interaction of oligoadenylic acids with repolymerized protein of tobacco mosaic virus] Tamm IuV. **Mol Biol (Mosk)** 1984 May–Jun;18(3):620–31 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Interrod forces in aqueous gels of tobacco mosaic virus. Millman BM, et al. **Biophys J** 1984 Mar;45(3):551–6

ULTRASTRUCTURE

The current picture of the structure and assembly of tobacco mosaic virus. Butler PJ. **J Gen Virol** 1984 Feb;65 (Pt 2):253–79 (93 ref.)

TOBACCO SMOKE POLLUTION

Lung cancer in nonsmokers. Kabat GC, et al. **Cancer** 1984 Mar 1;53(5):1214–21

Drinking and passive smoking [letter] Kawane H. **Chest** 1984 Mar;85(3):452

ETS—environmental tobacco smoke. Report from a workshop on effects and exposure levels. March 15–17, 1983, Geneva, Switzerland. **Eur J Respir Dis [Suppl]** 1984; 133:1–152

General references on studies of environmental tobacco smoke (ETS). **Eur J Respir Dis [Suppl]** 1984;133:147–52

Validity of questionnaire data on smoking and other exposures, with special reference to environmental tobacco smoke. Pershagen G. **Eur J Respir Dis [Suppl]** 1984; 133:76–80

Effects of cigarette smoke generated by different smoking machines on pulmonary macrophages of mice and rats. Matulionis DH. **J Anal Toxicol** 1984 Jul–Aug;8(4):187–91

Risk factors for persistent middle–ear effusions [letter] Rogers KD, et al. **JAMA** 1984 Mar 23–30;251(12):1556

Consistency of research data on passive smoking and lung cancer [letter] Repace JL. **Lancet** 1984 Mar 3;1(8375):506

Exposure of the fetus, neonate, and nursed infant to nicotine and cotinine from maternal smoking [letter] Luck W, et al. **N Engl J Med** 1984 Sep 6;311(10):672

Passive smoking and thiocyanate concentrations in pregnant women and newborns. Hauth JC, et al. **Obstet Gynecol** 1984 Apr;63(4):519–22

[Passive smoker and deprived smoker as participants in traffic studies—studies on reactive performance] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1984;42:199–206 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Effects of parental smoking on medical care utilization by children. Vogt TM. **Am J Public Health** 1984 Jan; 74(1):30–4

The UCLA population studies of chronic obstructive respiratory disease. VII. Relationship between parental smoking and children's lung function. Tashkin DP, et al. **Am Rev Respir Dis** 1984 Jun;129(6):891–7

Passive smoking, gas cooking, and respiratory health of children living in six cities. Ware JH, et al. **Am Rev Respir Dis** 1984 Mar;129(3):366–74

The health effects of involuntary smoking. Weiss ST, et al. **Am Rev Respir Dis** 1983 Nov;128(5):933–42

Development of the lipolytic activity in isolated perfused perinatal rabbit lungs and the influence of maternal cigarette smoke exposure on it. Simberg N, et al. **Biol Neonate** 1983;44(5):264–71

Children's coughs related to parental smoking. Charlton A. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1647–9

Active and passive smoking [letter] Miller GH, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):440

Active and passive smoking in married couples: results of 25 year follow up. Vandenbroucke JP, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1801–2

Smoke cardiomyopathy: disturbance of oxidative processes in myocardial mitochondria. Gvozdjáková A, et al. **Cardiovasc Res** 1984 Apr;18(4):229–32

Passive smoking. Its relationship to respiratory symptoms, pulmonary function and nonspecific bronchial responsiveness [editorial] Weiss ST, et al. **Chest** 1983 Dec; 84(6):651–2

Radioactivity and lung cancer in active and passive smokers [editorial] Winters TH, et al. **Chest** 1983 Dec;84(6):653–4

Does environmental tobacco smoke affect lung function? Bake B. **Eur J Respir Dis [Suppl]** 1984;133:85–7 (10 ref.)

Environmental tobacco smoke and pulmonary function testing. Cosentino AM. **Eur J Respir Dis [Suppl]** 1984; 133:88–9

The effect of environmental tobacco smoke in two urban communities in the west of Scotland. Gillis CR, et al. **Eur J Respir Dis [Suppl]** 1984;133:121–6

Environmental tobacco smoke. Effects in humans. Respiratory symptoms in the children of smokers: an overview. Holt PG, et al. **Eur J Respir Dis [Suppl]** 1984; 133:109–20 (68 ref.)

The effects of environmental tobacco smoke exposure and gas stoves on daily peak flow rates in asthmatic and non–asthmatic families. Lebowitz MD. **Eur J Respir Dis [Suppl]** 1984;133:90–7

Environmental tobacco smoke and lung cancer. Rylander R. **Eur J Respir Dis [Suppl]** 1984;133:127–33 (17 ref.)

Acute effects of environmental tobacco smoke. Weber A. **Eur J Respir Dis [Suppl]** 1984;133:98–108

Passive smoking and uptake of carbon monoxide in flight attendants [letter] Duncan DB, et al. **JAMA** 1984 May 25; 251(20):2658–9

Passive smoking and lung cancer [letter] **Lancet** 1984 Mar 24;1(8378):684

Lung cancer and passive smoking [letter] Heller WD. **Lancet** 1983 Dec 3;2(8362):1309

Passive smoking and lung cancer: consistency of association [letter] Hirayama T. **Lancet** 1983 Dec 17;2(8364):1425–6

Consistency of research data on passive smoking and lung cancer [letter] Kastenbaum MA. **Lancet** 1984 Jun 23; 1(8391):1406

Validation of studies on lung cancer in non–smokers married to smokers [letter] Wald N, et al. **Lancet** 1984 May 12; 1(8385):1067

Measuring the exposure of infants to tobacco smoke. Nicotine and cotinine in urine and saliva. Greenberg RA, et al. **N Engl J Med** 1984 Apr 26;310(17):1075–8

Factors preceding the onset of meningococcal disease, with special emphasis on passive smoking, symptoms of ill health. Haneberg B, et al. **NIPH Ann** 1983 Dec;6(2):169–73

Fetal growth retardation due to maternal tobacco smoke exposure in the rat. Bassi JA, et al. **Pediatr Res** 1984 Feb; 18(2):127–30

What to do because evidence links involuntary (passive) smoking with lung cancer. Glantz SA. **West J Med** 1984

Apr;140(4):636–7
Cancer, passive smoking and nonemployed and employed wives. Miller GH. **West J Med** 1984 Apr;140(4):632–5
[Passive smoking and lung cancer] He QY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):245–6 (Chi)
[Tobacco smoke as an environmental hazard] Vainio H, et al. **Duodecim** 1983;99(22):1638–65 (41 ref.) (Fin)
[Cancers from tobacco smoke] Castot A, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2028–30 (Eng. Abstr.) (Fre)
[Lung cancer risk and passive smoking: quantitative aspects] Vutuc C. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):90–5 (Eng. Abstr.) (Ger)
[Hemorheological changes induced by cigarette smoke in smokers and nonsmokers] Cortinovis A, et al. **Boll Soc Ital Cardiol** 1983 Apr;28(4):327–36 (Eng. Abstr.) (Ita)
[Effect of vitamin E on the mechanical properties of the lungs of animals chronically exposed to cigarette smoke] Konieczny B. **Pneumonol Pol** 1984 Mar;52(3):117–22 (Eng. Abstr.) (Pol)
[Passive smoking and incidence of bronchopulmonary pathology in children] Gavalov SM, et al. **Pediatriia** 1984 Jan;(1):32–4 (Eng. Abstr.) (Rus)

ANALYSIS

Carbon monoxide as an index of environmental tobacco smoke exposure. Aviado DM. **Eur J Respir Dis [Suppl]** 1984;133:47–60 (93 ref.)
Environmental tobacco smoke measurements: retrospect and prospect. First MW. **Eur J Respir Dis [Suppl]** 1984;133:9–16
Measurement and estimation of smoke dosage to non-smokers from environmental tobacco smoke. Jarvis MJ, et al. **Eur J Respir Dis [Suppl]** 1984;133:68–75
Analytical chemical methods for the detection of environmental tobacco smoke constituents. Jenkins RA, et al. **Eur J Respir Dis [Suppl]** 1984;133:33–46 (61 ref.)
Urinary cotinine as marker of breathing other people's tobacco smoke [letter] Wald NJ, et al. **Lancet** 1984 Jan 28;1(8370):230–1
Effects of environmental tobacco smoke on urinary cotinine excretion in nonsmokers. Evidence for passive smoking. Matsukura S, et al. **N Engl J Med** 1984 Sep 27; 311(13):828–32
Absorption of nicotine and carbon monoxide from passive smoking under natural conditions of exposure. Jarvis MJ, et al. **Thorax** 1983 Nov;38(11):829–33
[Concentrations of pollutants in the smoke blowing area of smokers] Weber A, et al. **Int Arch Occup Environ Health** 1983;53(1):47–50 (Eng. Abstr.) (Ger)

ECONOMICS

Economics and court decisions leading to smoke-free workplace. Goerth CR. **Occup Health Saf** 1984 Jul–Aug; 53(7):24, 27

PREVENTION & CONTROL

Nonsmoking in hospitals. AMA Council on Scientific Affairs. **Conn Med** 1984 May;48(5):297–305
Environmental tobacco smoke. Investigations on the effect of regulating smoking on levels of indoor pollution and on the perception of health and comfort of office workers. Sterling TD, et al. **Eur J Respir Dis [Suppl]** 1984;133:17–32
The control of smoking: smoking rate in designated smoking and no-smoking areas. Dawley HH Jr, et al. **Int J Addict** 1983 Oct;18(7):1033–8
Smoking: no longer normal [editorial] **Lancet** 1983 Nov 26; 2(8361):1233–4
Clean indoor-air legislation: the Illinois experience. Burchard LL. **NY State J Med** 1983 Dec;83(13):1303
The Minnesota Clean Indoor Air Act. A model for New York and other states. Kahn PL. **NY State J Med** 1983 Dec;83(13):1300–1
A dialogue with Surgeon General Koop: confronting America's most costly health problem [interview by Alan Blum] Koop CE. **NY State J Med** 1983 Dec;83(13):1260–3
A physician-led referendum for cleaner air in Florida. Tate CF Jr. **NY State J Med** 1983 Dec;83(13):1302

TOBACCO USE DISORDER

Parents' cigarette smoking and childhood cancer. Grufferman S, et al. **Med Hypotheses** 1983 Sep;12(1):17–20

BLOOD

Cigarette smoking and lung destruction. Accumulation of neutrophils in the lungs of cigarette smokers. Hunninghake GW, et al. **Am Rev Respir Dis** 1983 Nov;128(5):833–8

COMPLICATIONS

Patterns of lung cancer risk according to type of cigarette smoked. Lubin JH, et al. **Int J Cancer** 1984 May 15; 33(5):569–76
Indulging .. to the point of destruction. Newton JJ. **Ohio State Med J** 1983 Jun;79(6):415–7
Neuromuscular disease due to tobacco use. Patten BM. **Tex Med** 1984 Apr;80(4):47–51
[Case-controlled study of the relationship between smoking and lung cancer in Tianjin] Xu RH. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):193–7 (Eng. Abstr.) (Chi)
[Analysis of respiratory tract symptoms and bronchitis caused by smoking] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):195–7 (Eng. Abstr.) (Chi)
[Relationship between smoking and incidence of coronary heart disease—analysis of 162 cases] Yao CL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Apr; 5(2):88–90 (Eng. Abstr.) (Chi)

ETIOLOGY

Effect of cigarette smoking on gastrointestinal physiology and non-neoplastic digestive disease. Kikendall JW, et al. **J Clin Gastroenterol** 1984 Feb;6(1):65–79 (142 ref.)
Demographic aspects of the low-yield cigarette: considerations in the evaluation of health risk. Wynder EL, et al. **JNCI** 1984 Apr;72(4):817–22

METABOLISM

Organ distribution and protein binding of cadmium in autopsy material from heavy smokers. Post C, et al. **Environ Res** 1984 Jun;34(1):29–37

PHYSIOPATHOLOGY

Nicotine dependence in cigarette smoking: an empirically-based, multivariate model. Pomerleau OF, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):291–9

PREVENTION & CONTROL

Treatment of cigarette dependency. What American pulmonary physicians do. Sachs DP. **Am Rev Respir Dis** 1984 Jun;129(6):1010–3
Coping with temptations to smoke. Shiffman S. **J Consult Clin Psychol** 1984 Apr;52(2):261–7
Bypassing bans on cigarette smoking [letter] Ball K. **Lancet** 1983 Oct 1;2(8353):803

PSYCHOLOGY

Behavioral predictors of abstinence: early indicators of a dependence on tobacco among adolescents. Hansen WB. **Int J Addict** 1983 Oct;18(7):913–20
Cigarette smokers self-administer intravenous nicotine. Henningfield JE, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):887–90
Neuropsychopharmacology of nicotine and tobacco smoking. Domino EF. **Psychopharmacol Bull** 1983;19(3):398–401
Giving up smoking [editorial] Higenbottam T, et al. **Thorax** 1984 Sep;39(9):641–6

REHABILITATION

Self change processes, self efficacy and decisional balance across five stages of smoking cessation. Prochaska JO, et al. **Prog Clin Biol Res** 1984;156:131–40

THERAPY

Blood cotinine levels as indicators of smoking treatment outcome. Hall SM, et al. **Clin Pharmacol Ther** 1984 Jun; 35(6):810–4
Effects of nicotine fading and relapse prevention on smoking cessation. Brown RA, et al. **J Consult Clin Psychol** 1984 Apr;52(2):307–8
Smoking withdrawal in hospital patients: factors associated with outcome. Subcommittee of the Research Committee of the British Thoracic Society. **Thorax** 1984 Sep; 39(9):651–6
[Tobacco withdrawal. Comparison of the efficacy of various methods. Intermediate results of a comparative study] Clavel F, et al. **Presse Med** 1984 Apr 14;13(16):975–7 (Eng. Abstr.) (Fre)
[Cigarette smoking. A pilot project of dehabituation and experimental research] Badellino F, et al. **Minerva Med** 1984 Feb 11;75(5):143–52 (Eng. Abstr.) (Ita)

TOBRAMYCIN

Stability of tobramycin sulfate mixed with oxacillin sodium and nafcillin sodium in human serum. Lundergan FS, et al. **Am J Hosp Pharm** 1984 Jan;41(1):144–5

ADMINISTRATION & DOSAGE

A randomized study of tobramycin plus ticarcillin, tobramycin plus cephalothin and ticarcillin, or tobramycin plus mezlocillin in the treatment of infection in neutropenic patients with malignancies. Lawson RD, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):16–23
Stability of gentamicin and tobramycin in concentrate solutions for automated peritoneal dialysis. Nance KS, et al. **Am J Nephrol** 1984;4(4):240–3
Empiric therapy for infections in patients with granulocytopenia. Continuous v interrupted infusion of tobramycin plus cefamandole. Feld R, et al. **Arch Intern Med** 1984 May;144(5):1005–10
Delivery of tobramycin by three infusion systems. Nahata MC, et al. **Chemotherapy** 1984;30(2):84–7
Comparative efficacy and toxicity of moxalactam and the combination of nafcillin and tobramycin in febrile granulocytopenic patients. Alanis A, et al. **Cleve Clin Q** 1983 Winter;50(4):385–95
Inadequacy of recommended tobramycin dosages [letter] Henann NE, et al. **Clin Pharm** 1983 Nov–Dec;2(6):506–7
Use of bone cement containing tobramycin sulfate [letter] Marr MA, et al. **Clin Pharm** 1983 Sep–Oct;2(5):401
Effect of intravenous tubing lumen diameter on drug delivery. Arwood LL, et al. **Dev Pharmacol Ther** 1984; 7(4):259–62
Comments and corrections on dosing guidelines [letter] **Drug Intell Clin Pharm** 1983 Dec;17(12):911–2
Azlocillin in cystic fibrosis. Malmborg AS, et al. **Isr J Med Sci** 1983 Nov;19(11):1001–3
Addition of rifampin to ticarcillin-tobramycin combination for the treatment of Pseudomonas aeruginosa infections: assessment in a neutropenic mouse model. Zuravleff JJ, et al. **J Lab Clin Med** 1984 Jun;103(6):878–85
Treatment of chronic pseudomonas aeruginosa infection in cystic fibrosis patients with ceftazidime and tobramycin. Heilesen AM, et al. **Scand J Infect Dis** 1983;15(3):271–6
[Acute experimental pyelonephritis. Treatment with tobramycin. Influence of the rhythm of administration on efficacy and renal tolerability] Herscovici L, et al. **Pathol Biol (Paris)** 1984 May;32(5):450–4 (Eng. Abstr.) (Fre)
[Clinical study on dosage schedule of tobramycin: controlled comparison between 180 mg b.i.d. and t.i.d.] Nakagawa S, et al. **Jpn J Antibiot** 1983 Dec;36(12):3359–91 (Eng. Abstr.) (Jpn)
[Studies on tobramycin by the intravenous drip infusion method] Okada K, et al. **Jpn J Antibiot** 1984 Apr; 37(4):605–14 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Metabolic abnormalities associated with tobramycin therapy. Watson AJ, et al. **Ir J Med Sci** 1984 Mar;153(3):96–9
Netilmicin versus tobramycin in multi-centre studies. Daschner FD, et al. **J Antimicrob Chemother** 1984 Jan;13 Suppl A:37–45
Renal function in patients treated with tobramycin-cefuroxime or tobramycin-penicillin G. Trollfors B, et al. **J Antimicrob Chemother** 1983 Dec; 12(6):641–5
Risk factors for the development of auditory toxicity in patients receiving aminoglycosides. Moore RD, et al. **J Infect Dis** 1984 Jan;149(1):23–30
Renal and auditory toxicity of high-dose, prolonged therapy with gentamicin and tobramycin in pseudomonas endocarditis. Tablan OC, et al. **J Infect Dis** 1984 Feb; 149(2):257–63
Ceftriaxone for meningitis, due to Escherichia coli, which developed during tobramycin therapy [letter] Shaw DW, et al. **NZ Med J** 1984 Jul 25;97(760):500

ANTAGONISTS & INHIBITORS

In vitro inactivation of tobramycin by penicillins. Rank DM, et al. **Am J Hosp Pharm** 1984 Jun;41(6):1187–8

BIOSYNTHESIS

[Effect of culture parameters on tobramycin biosynthesis] Gladkikh EG, et al. **Antibiotiki** 1983 Dec;28(12):889–93 (Eng. Abstr.) (Rus)
[Stability of the antibiotic formation trait of the tobramycin producer Streptomyces cremeus subsp. tobramycini] Motkova MO, et al. **Antibiotiki** 1984 Feb;29(2):83–5 (Eng. Abstr.) (Rus)
[Effect of several components of the nutrient medium on the biosynthesis of tobramycin] Motkova MO, et al. **Antibiotiki** 1983 Nov;28(11):814–8 (Eng. Abstr.) (Rus)

BLOOD

Serum tobramycin levels in puerperal women. Blanco JD, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):466–8
Ticarcillin and assay of tobramycin [letter] Dalmady-Israel C, et al. **Ann Intern Med** 1984 Mar;100(3):460–1
Hemodialysis elimination rates and clearance of gentamicin and tobramycin. Matzke GR, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):128–30
The effect of some ointment bases on the systemic absorption of tobramycin from various wound surfaces of burned patients. Aoyama H, et al. **Burns Incl Therm Inj** 1984 Apr; 10(4):290–9
Liquid-chromatographic analysis for tobramycin in samples giving discrepant results by enzyme immunoassay and fluoroimmunoassay [letter] Gotelli GR, et al. **Clin Chem** 1984 Jun;30(6):1110
Heparin interferes with tobramycin serum concentration determinations by Emit. Matzke GR, et al. **Drug Intell Clin Pharm** 1984 Jun;18(6):517–9
Rapid bioluminescent assay for determining netilmicin and tobramycin concentrations in serum. Nilsson L. **Eur J Clin Microbiol** 1983 Dec;2(6):564–7
Evaluation of four gentamicin and tobramycin assay procedures for clinical laboratories. Witebsky FG, et al. **J Clin Microbiol** 1983 Oct;18(4):890–4
The association of aminoglycoside plasma levels with mortality in patients with gram-negative bacteremia. Moore RD, et al. **J Infect Dis** 1984 Mar;149(3):443–8
Pharmacokinetics of tobramycin in neonates [letter] Marks MI. **J Pediatr** 1984 Jan;104(1):160–1

Effect of infusion methods on tobramycin serum concentrations in newborn infants. Nahata MC, et al. **J Pediatr** 1984 Jan;104(1):136–8

[Effect of storage time at –20 degrees C on the determination of serum concentrations of tobramycin in the presence of 6 beta-lactams] Forey F, et al. **Pathol Biol (Paris)** 1983 May;31(5):404–12 (Eng. Abstr.) **(Fre)**

[Pharmacokinetic studies on parenteral infusion of tobramycin in newborn and premature infants] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Oct;36(10):2856–68 (Eng. Abstr.) **(Jpn)**

[Evaluation of radioimmunoassay of the blood tobramycin level for the purpose of setting the dosage based on the clinical pharmacokinetic theory and a comparison of radioimmunoassay with other assay methods] Takahashi S, et al. **Radioisotopes** 1983 Jun;32(6):280–5 (Eng. Abstr.) **(Jpn)**

METABOLISM

Extravascular penetration of tobramycin and netilmicin in a subcutaneous visking chamber model in rabbits. Larson TA, et al. **Antimicrob Agents Chemother** 1983 Oct; 24(4):594–6

Effect of piperacillin on tobramycin pharmacokinetics in patients with normal renal function. Lau A, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):533–7

Effect of mannitol infusions into the internal carotid artery on entry of two antibiotics into the cerebrospinal fluid and brains of normal rabbits. Perkins BA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):339–42

Absorption of oral aminoglycosides following bone marrow transplantation. Rohrbaugh TM, et al. **Cancer** 1984 Apr 1;53(7):1502–6

A pharmacokinetic evaluation of the effect of plasma exchange on tobramycin disposition. Ouellette SM, et al. **Clin Exp Dial Apheresis** 1983;7(3):225–33

Tobramycin disposition into ascitic fluid. Hodgman T, et al. **Clin Pharm** 1984 Mar–Apr;3(2):203–5

Intrapatient variation in tobramycin kinetics in low birth weight infants during first postnatal week. Nahata MC, et al. **Eur J Clin Pharmacol** 1984;26(5):647–9

Reproducibility study of the pharmacokinetics of amikacin, gentamicin and tobramycin; a three-way crossover study. Dyas A, et al. **J Antimicrob Chemother** 1983 Oct; 12(4):371–6

Influence of ascites on tobramycin pharmacokinetics. Sampliner R, et al. **J Clin Pharmacol** 1984 Jan;24(1):43–6

Interactions of moxalactam and tobramycin in normal volunteers and in patients with impaired renal function. Aronoff GR, et al. **J Infect Dis** 1984 Jan;149(1):9–15

Disposition of tobramycin in patients with cystic fibrosis: a prospective controlled study. Levy J, et al. **J Pediatr** 1984 Jul;105(1):117–24

Effect of ticarcillin on gentamicin and tobramycin pharmacokinetics in a patient with end-stage renal disease. Matzke GR, et al. **Pharmacotherapy** 1984 May–Jun; 4(3):158–60

[Comparison of serum and prostatic levels of tobramycin] Bismuth R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):511–5 (Eng. Abstr.) **(Fre)**

[Tobramycin levels in human aqueous humor and plasma after intravenous and subconjunctival administration] Sinues B, et al. **Therapie** 1983 Jul–Aug;38(4):345–53 (Eng. Abstr.) **(Fre)**

[Model studies of the antibiotic release of gentamycin, tobramycin and cephalothin polymethylmethacrylate beads in vivo] Laky R, et al. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(5):306–14 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic basis for using tobramycin and sisomicin in treating pyelonephritis of the transplanted kidney] Navashin SM, et al. **Antibiotiki** 1983 Jul;28(7):539–45 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

In vitro susceptibility of Mycobacterium fortuitum and M. chelonei to sisomicin, gentamicin and tobramycin. Casal MJ, et al. **Ann Microbiol (Paris)** 1983 Nov–Dec; 134B(3):451–4

In vitro activity of ceftriaxone alone and in combination with gentamicin, tobramycin, and amikacin against Pseudomonas aeruginosa. Watanakunakorn C. **Antimicrob Agents Chemother** 1983 Aug;24(2):305–6

Error rates associated with the use of recently proposed breakpoints for testing Pseudomonas aeruginosa versus gentamicin, tobramycin, and amikacin by the standardized disk agar diffusion test. Woolfrey BF, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):764–70

Pseudomonas aeruginosa and Acinetobacter calcoaceticus: in vitro susceptibility of 150 clinical isolates to five beta-lactam antibiotics and tobramycin. Dibb WL, et al. **Chemotherapy** 1983;29(5):332–6

Tobramycin–furosemide interaction. Kaka JS, et al. **Drug Intell Clin Pharm** 1984 Mar;18(3):235–8

In vitro and in vivo synergy between ceftriaxone and aminoglycosides against Pseudomonas aeruginosa. Angehrn P. **Eur J Clin Microbiol** 1983 Oct;2(5):489–95

Evaluation of the automicrobic system for susceptibility testing of Pseudomonas aeruginosa to gentamicin, tobramycin, and amikacin. Woolfrey BF, et al. **J Clin Microbiol** 1984 Apr;19(4):502–5

[Effect of cefaclor and tobramycin on the phagocytic activity of peritoneal macrophages in mice] Holl G, et al. **Arzneimittelforsch** 1984;34(1):39–43 (Eng. Abstr.) **(Ger)**

[Chemotherapy of leptospirosis—effects of tobramycin, dibekacin and amikacin on the Leptospira] Kobayashi Y, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):197–202 (Eng. Abstr.) **(Jpn)**

[Clinical pharmacology of the most frequently used aminoglucosides: gentamycin, tobramycin and amikacin] Cuena Boy R, et al. **Rev Med Univ Navarra** 1983 Dec; 27(4):21–7 **(Spa)**

THERAPEUTIC USE

Diffuse peritonitis treated with tobramycin and clindamycin. Bacteria in relation to preoperative duration of illness. Lindblad B, et al. **Acta Chir Scand** 1983;149(6):573–8

Antibiotic penetration in liver infection: a case of tobramycin failure responsive to moxalactam. Schentag JJ, et al. **Am J Gastroenterol** 1983 Oct;78(10):641–4

Bacterial peritonitis. Protecting the high-risk patient. Jones LM, et al. **Am Surg** 1984 Jul;50(7):358–61

Cefotaxime compared with nafcillin plus tobramycin for serious bacterial infections. A randomized, double-blind trial. Smith CR, et al. **Ann Intern Med** 1984 Oct; 101(4):469–77

Randomized comparison of ceftazidime versus clindamycin–tobramycin in the treatment of obstetrical and gynecological infections. Blanco JD, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):500–4

Quantitative determination of the effect of granulocytes on the course of experimental infections during antibiotic treatment. van der Voet GB, et al. **Infection** 1984 Jan–Feb; 12(1):5–9

A comparison of ceftazidime and tobramycin in the treatment of complicated urinary tract infections. Cox CE. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:47–52

A randomized study of ceftazidime compared to ceftazidime and tobramycin for the treatment of infections in cancer patients. Fainstein V, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:101–10

Piperacillin and tobramycin in the treatment of Pseudomonas lung infections in cystic fibrosis. Hoogkamp-Korstanje JA, et al. **J Antimicrob Chemother** 1983 Aug;12(2):175–83

Randomized, double-blind evaluation of azlocillin for the treatment of pulmonary exacerbations of cystic fibrosis. McLaughlin FJ, et al. **J Antimicrob Chemother** 1983 May; 11 Suppl B:195–203

Complicated urinary tract infections treated with ceftazidime and tobramycin: a comparative study. Madsen PO, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:77–9

A multicentre prospective randomized trial comparing ceftazidime with cefazolin/tobramycin in the treatment of hospitalized patients with non-pneumococcal pneumonia. Mandell LA, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:9–20

Low dose oral tobramycin treatment for selective decontamination of the digestive tract: a study in human volunteers. Mulder JG, et al. **J Antimicrob Chemother** 1984 May;13(5):495–504

Ceftazidime compared to tobramycin and ticarcillin in immunocompromised haematological patients. Reilly JT, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:89–92

Comparative study of the effects of ceftazidime compared with tobramycin plus cefamandole in the treatment of gall bladder empyema. Schoengut H, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:219–22

A comparative study of the efficacy of ceftazidime versus cefazolin and tobramycin in patients with acute exacerbations of chronic bronchitis. Vetter N, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:35–9

Effect of tobramycin on fractional sodium excretion in neonates. Rothberg AD, et al. **Pediatr Pharmacol (New York)** 1984;4(1):49–52

Problems of chemotherapy in chronic carriers of the so-called 'other Salmonellas'. (Clinical trial with Brulamycin). Münnich D, et al. **Ther Hung** 1981; 29(2):69–75

The ineffectiveness of tobramycin combination therapy in Streptococcus faecium endocarditis. Goldstein JA, et al. **Yale J Biol Med** 1983 May–Jun;56(3):243–9

[Tobramycin in antibiotic prophylaxis in gynecologic surgery per vaginam] Orsini G, et al. **Minerva Ginecol** 1984 May; 36(5):265–7 (Eng. Abstr.) **(Ita)**

[Use of a single daily dose of tobramycin sulfate for the prevention of infections caused by the positioning of fixed drains in body cavities] Pessione E, et al. **Minerva Med** 1984 Mar 10;75(9–10):463–8 (Eng. Abstr.) **(Ita)**

[Use of tobramycin in single daily doses in urological surgery] Tigano G, et al. **Minerva Urol** 1983 Apr–Jun;35(2):149–52 (Eng. Abstr.) **(Ita)**

[Single-dose tobramycin in the therapy and prevention of urinary infections] Trombetta C, et al. **Minerva Urol** 1983 Oct–Dec;35(4):291–4 (Eng. Abstr.) **(Ita)**

[Comparative study and time changes in the resistance to gentamycin, tobramycin, sisomicin and amikacin of Gram-negative nosocomial bacterial strains isolated from the urinary tract, in relation to the annual use of the aminoglycosides tested] Alegente G, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):343–8 (Eng. Abstr.) **(Ita)**

[Clinico-laboratory evaluation of the effectiveness of the new aminoglycoside antibiotic brulamycin (tobramycin) in treating surgical infections] Blatun LA, et al. **Antibiotiki** 1984 Mar;29(3):228–32 (Eng. Abstr.) **(Rus)**

[Chemotherapeutic effectiveness of gentamycin, tobramycin and sisomycin in Pseudomonas aeruginosa pyelonephritis in rats compared with dioxidine] Zinchenko TA, et al. **Antibiotiki** 1984 Mar;29(3):214–20 (Eng. Abstr.) **(Rus)**

[Effect of antibiotic prophylaxis, long-term low dosage chemoprophylaxis and bladder wash-outs on the appearance of acquired bacteriuria in patients with permanent bladder catheter] Aragona F, et al. **Actas Urol Esp** 1983 May–Jun;7(3):195–8 (Eng. Abstr.) **(Spa)**

TOXICITY

Influence of dosage regimen on experimental tobramycin nephrotoxicity. A biochemical approach. Olier B, et al. **Chemotherapy** 1983;29(6):385–94

Nephrotoxicity of lysine and of a single dose of aminoglycoside in rats given lysine. Malis CD, et al. **J Lab Clin Med** 1984 May;103(5):660–76

Ototoxicity of tobramycin sulfate. Prazma J, et al. **Laryngoscope** 1976 Feb;86(2):259–68

[Experimental study of the toxic effect of combinations of tobramycin and carbenicillin] Iakushkina IV, et al. **Antibiotiki** 1984 May;29(5):361–5 (Eng. Abstr.) **(Rus)**

URINE

Application of o-hydroxyhydroquinonephthalein-uranium (VI) complex to determination of neomycin and tuburamycin. Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1214–8

Interaction between the renal excretion rates of beta 2-microglobulin and tobramycin in man. Vree TB, et al. **Clin Chim Acta** 1984 Mar 27;138(1):49–57

TOCOPHEROL see **VITAMIN E**

TODRALAZINE see under **HYDRAZINES**

TOE JOINT

Lead arthropathy — progressive destruction of a joint by a retained bullet. Case report. Primm DD Jr. **J Bone Joint Surg [Am]** 1984 Feb;66(2):292–4

Intermetatarsal neuromas: distribution and etiologic factors. Bartolomei FJ, et al. **J Foot Surg** 1983 Winter;22(4):279–82

Surgical treatment of Freiberg's infraction with the use of total joint replacement arthroplasty. Miller ML, et al. **J Foot Surg** 1984 Jan–Feb;23(1):35–40

[Urate gout in children] Morawska Z, et al. **Pediatr Pol** 1984 Feb;59(2):143–6 **(Pol)**

[2 cases of gout associated with 'pseudogout'] Zimmermann-Górska I, et al. **Reumatologia** 1982; 20(3–4):195–9 (Eng. Abstr.) **(Pol)**

[T. Sydenham and the development of clinical medicine (on the 300th anniversary of the description of podagra)] Borodulin VI. **Ter Arkh** 1984;56(1):135–8 **(Rus)**

INJURIES

Closed dorsal dislocation of the metatarsophalangeal joint of the great toe. A surgical approach and case report. Yu EC, et al. **Clin Orthop** 1984 May;(185):237–40

Disorders of the great toe in dancers. Howse J. **Clin Sports Med** 1983 Nov;2(3):499–505

Shrapnel-induced traumatic arthritis. A case report. Silverstein SB, et al. **J Am Podiatry Assoc** 1983 Aug; 73(8):418–20

The unified forefoot. II. The relationship between hallux valgus and metatarsus primus adductus. Robbins HM. **J Foot Surg** 1983 Winter;22(4):320–4

Use of carbon fibre implants in the treatment of fetlock joint dislocation in two horses. Edwards GB, et al. **Vet Rec** 1984 Jan 28;114(4):87–8

METABOLISM

An autopsy study of the prevalence of monosodium urate and calcium pyrophosphate dihydrate crystal deposition in first metatarsophalangeal joints. Wall B, et al. **Arthritis Rheum** 1983 Dec;26(12):1522–4

PATHOLOGY

The simple bunion: anatomy at the metatarsophalangeal joint of the great toe. Alvarez R, et al. **Foot Ankle** 1984 Mar–Apr;4(5):229–40

Osseous engulfment of a silicone prosthesis with foreign body reaction. Weinstock RE, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):80–8

Pseudorheumatoid nodules in an adult. Cohen JM. **J Foot Surg** 1983 Fall;22(3):203–6

RADIOGRAPHY

First metatarsophalangeal joint dislocation in spina bifida. A case report. Schlefman BS, et al. **J Am Podiatry Assoc** 1984 Mar;74(3):147–52

The use of C-arm fluoroscopy and its application to podiatric surgery. Wilner JM, et al. **J Foot Surg** 1983 Winter; 22(4):283–5

A rare condition of rheumatoid arthritis. Moilanen A, et al. **ROFO** 1983 Dec;139(6):706–7

SURGERY

Forefoot problems in cerebral palsy–diagnosis and management. Bleck EE. **Foot Ankle** 1984 Jan–Feb; 4(4):188–94

Cone arthrodesis of the first metatarsophalangeal joint. Johansson JE, et al. **Foot Ankle** 1984 Mar–Apr;4(5):244–8

Total joint prosthetic arthroplasty of the great toe—a 12–year experience. Kampner SL. **Foot Ankle** 1984 Mar–Apr; 4(5):249–61

Arthrodesis of the first metatarsophalangeal joint for hallux valgus in rheumatoid arthritis. Mann RA, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):687–92

Tibial sesamoid planing procedure: an appraisal of 26 feet. Aquino MD, et al. **J Foot Surg** 1984 May–Jun;23(3):226–30

A modified arthroplasty procedure for rigid hammertoe. Bartee SL, et al. **J Foot Surg** 1983 Spring;22(1):40–4

Total replacement of the first metatarsophalangeal joint. Borovoy M, et al. **J Foot Surg** 1983 Summer;22(2):159–64

Surgical correction of transverse plane deformities at the lesser metatarsophalangeal joints. Collins B, et al. **J Foot Surg** 1984 Mar–Apr;23(2):159–65

A comprehensive review of hallux limitus. Drago JJ, et al. **J Foot Surg** 1984 May–Jun;23(3):213–20 (36 ref.)

Cheilectomy and hallux rigidus. Feldman RS, et al. **J Foot Surg** 1983 Summer;22(2):170–4 (26 ref.)

A postsurgical evaluation of hemi–implant procedures at the first metatarsophalangeal joint: review and comparison of eighteen cases. Forette JE, et al. **J Foot Surg** 1983 Summer; 22(2):100–3

Modification of the Keller operation for increased functional capacity. Fuson SM. **J Foot Surg** 1982 Winter;21(4):292–6

Swanson design finger joint implant utilized in the proximal interphalangeal joints of the foot: a preliminary study. Gerbert J, et al. **J Foot Surg** 1983 Spring;22(1):60–5

The use of the Papineau bone–grafting technique in salvage of the infected total joint implant. Graebner JE, et al. **J Foot Surg** 1983 Winter;22(4):339–45

Traumatic hallux varus correction via split extensor tenodesis. Hunter WN, et al. **J Foot Surg** 1984 Jul–Aug; 23(4):321–5

A literature review of congenital digiti quinti varus: clinical description and treatment. Johnson CP, et al. **J Foot Surg** 1983 Summer;22(2):116–20 (10 ref.)

Silicone lymphadenitis secondary to implant degeneration. Lim WT, et al. **J Foot Surg** 1983 Fall;22(3):243–6

Significance of the suspensory and collateral ligaments in lesser metatarsal neck surgery. Loretz L, et al. **J Foot Surg** 1984 Mar–Apr;23(2):123–8

The geriatric bunion: correction of metatarsus primus varus and hallux valgus with the Swanson total joint implant. Miller RJ, et al. **J Foot Surg** 1983 Fall;22(3):263–70 (37 ref.)

The use of Kirschner wire fixation in forefoot surgery. Reichert K, et al. **J Foot Surg** 1983 Fall;22(3):218–21

Implants for lesser toes. Sgarlato TE. **J Foot Surg** 1983 Fall; 22(3):247–50

Total joint replacement in digits of the foot. Silberman J, et al. **J Foot Surg** 1984 May–Jun;23(3):207–12

Surgery of the fetlock joint. Copelan RW, et al. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):221–31

[Experimental and clinical studies on tendon wound healing in various tissues and in dynamic states] Nagay B, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):329–36 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

[Free vascularized metatarsophalangeal joint transfer for the reconstruction of metacarpophalangeal joint] Guo ET. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):643–5 (Eng. Abstr.) **(Chi)**

TOES

Sarcoid dactylitis. Pitt P, et al. **Ann Rheum Dis** 1983 Dec; 42(6):634–9

Infantile digital fibromatosis. Identification of actin filaments in cytoplasmic inclusions by heavy meromyosin binding. Iwaski H, et al. **Cancer** 1983 Nov 1;52(9):1653–61

Toe buttressing for forefoot problems. Marr SJ. **J Am Podiatry Assoc** 1984 Mar;74(3):136–40

Cutaneous synovial cyst. A case report and review. Reynolds FD, et al. **J Am Podiatry Assoc** 1984 Jan;74(1):42–5

A comparative study of postoperative care with phenol nail procedures. Drago JJ, et al. **J Foot Surg** 1983 Winter; 22(4):332–4

Osteoid osteoma of the great toe. Kahn MD, et al. **J Foot Surg** 1983 Winter;22(4):325–8

Osteomyelitis of an epiphyseal region. Kinberg P. **J Foot Surg** 1983 Fall;22(3):251–6

Digital lipoma of the foot: an extraordinary case. Lisch M, et al. **J Foot Surg** 1982 Winter;21(4):330–4

Mallet toes, hammer toes, claw toes, and corns. Causes and treatment of lesser–toe deformities. Coughlin MJ. **Postgrad Med** 1984 Apr;75(5):191–8

Experimental tendon grafting within intact tendon sheath. Eiken O, et al. **Scand J Plast Reconstr Surg** 1983; 17(2):127–31

Congenital lipoma imitating gigantism of a toe. Case report. Erichsen B, et al. **Scand J Plast Reconstr Surg** 1983; 17(1):77–8

Infantile digital fibromatosis—a case report: an electron microscope study. Chuan MT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct;82(10):1077–81

[Epiphysiolysis in the phalanges with infection risk] Iversen EM. **Ugeskr Laeger** 1984 Jan 9;146(2):109–10 (Eng. Abstr.) **(Dan)**

[Idiopathic massive osteolysis and acro–osteolysis. Clinical study] Moroni A, et al. **Chir Organi Mov** 1982–83; 68(1):85–90 (Eng. Abstr.) **(Ita)**

[Purple–toe syndrome – a side effect of peroral anticoagulant therapy] Rosling H. **Lakartidningen** 1983 Nov 30; 80(48):4700 **(Swe)**

ABNORMALITIES

Developmental pathogenesis of chromosome disorders: report on two newly recognized signs of Down syndrome. Langenbeck U, et al. **Am J Med Genet** 1984 Jun; 18(2):223–30

Corneal changes, hyperkeratosis, short stature, brachydactyly, and premature birth: a new autosomal dominant syndrome. Stern JK, et al. **Am J Med Genet** 1984 May;18(1):67–77

Median cleft lip, polydactyly, syndactyly and toe anomalies in a non–Indian infant. Christophorou MN, et al. **Br J Plast Surg** 1983 Oct;36(4):447–8

Greig cephalopolysyndactyly: report of 13 affected individuals in three families. Baraitser M, et al. **Clin Genet** 1983 Oct;24(4):257–65

Preaxial polydactyly type 4: variability in a large kindred. Reynolds JF, et al. **Clin Genet** 1984 Mar;25(3):267–72

Fetoscopy in prenatal diagnosis of the Majewski and the Saldino–Noonan types of the Short Rib–Polydactyly syndromes. Toftager–Larsen K, et al. **Clin Genet** 1984 Jul; 26(1):56–60

Mixed polydactyly. An unusual case of a patient with seven–toed feet. Kapetanos GA. **Clin Orthop** 1984 Jun; (186):220–3

Are bowing of long tubular bones and preaxial polydactyly signs of the Meckel syndrome? Majewski F, et al. **Hum Genet** 1983;65(2):125–33

Short rib–polydactyly syndrome (Majewski type). Raghavan KR, et al. **Indian Pediatr** 1983 Nov;20(11):870–3

Flexor digitorum longus tendon transfer. A simplified technique. Marcinko DE, et al. **J Am Podiatry Assoc** 1984 Aug;74(8):380–5

Surgical approach to polydactyly. Giorgini RJ, et al. **J Foot Surg** 1984 May–Jun;23(3):221–5

A literature review of congenital digiti quinti varus: clinical description and treatment. Johnson CP, et al. **J Foot Surg** 1983 Summer;22(2):116–20 (10 ref.)

Polydactyly of the foot. Knecht JG. **J Foot Surg** 1983 Spring; 22(1):23–8

Brachymetatarsia with brachymesodactyly. Page JC, et al. **J Foot Surg** 1983 Summer;22(2):104–7

Brachymetatarsia: a review and case study. Scheiner DE, et al. **J Foot Surg** 1983 Fall;22(3):257–62 (10 ref.)

Congenital familial hypoplastic thumb associated with congenital amputation of the toe. Miura T. **J Hand Surg [Am]** 1984 May;9(3):420–2

Syndrome of polydactyly, cleft lip, lingual hamartomas, renal hypoplasia, hearing loss, and psychomotor retardation: variant of the Mohr syndrome or a new syndrome? Mattei JF, et al. **J Med Genet** 1983 Dec;20(6):433–5

Warfarin embryopathy—a case report. Lamontagne JM, et al. **J Otolaryngol** 1984 Apr;13(2):127–9

Hypopituitarism in association with postaxial polydactyly. Culler FL, et al. **J Pediatr** 1984 Jun;104(6):881–4

Abnormal distal phalanges and nails, deafness, mental retardation, and seizure disorder: a new familial syndrome. Qazi QH, et al. **J Pediatr** 1984 Mar;104(3):391–4

Macrodactyly. Herring JA, et al. **J Pediatr Orthop** 1984 Aug; 4(4):503–6

Familial brachydactyly and chondrocalcinosis. Report of a patient, pedigree and review of the literature. Mathews JL, et al. **J Rheumatol** 1983 Oct;10(5):819–22

Congenital scalp defect with distal limb anomalies: brachydactyly and hypoplastic toes. Hidalgo JE, et al. **Plast Reconstr Surg** 1983 Nov;72(5):708–12

Clinical aspects, diagnosis, and treatment of the Kaufman syndrome (hydrocolpos, hypospadias, polydactyly). Hofmann U, et al. **Prog Pediatr Surg** 1984;17:71–8

The two–toed Wadoma—familial ectrodactyly in Zimbabwe. Farrell HB. **S Afr Med J** 1984 Mar 31;65(13):531–3

The anatomy of a congenitally short limb with clubfoot and ectrodactyly. Hootnick DR, et al. **Teratology** 1984 Apr; 29(2):155–64

[Stapes ankylosis as a symptom of autosomal dominant symphalangia] Theunissen EJ, et al. **Ned Tijdschr Geneeskd** 1984 Apr 14;128(15):712–4 (Eng. Abstr.) **(Dut)**

[2 cases of hydrocolpos caused by vaginal atresia associated with polydactyly] Caillé G, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):477–82 (Eng. Abstr.) **(Fre)**

[Greig's syndrome. Neonatal radiologic manifestations] Merlob P, et al. **J Radiol** 1984 Mar;65(3):187–9 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Peroneus digiti minimi. Bareither DJ, et al. **Anat Anz** 1984; 155(1–5):11–5

Anomalous contrahentes muscles in human feet. Hirsch BE, et al. **Anat Anz** 1984;155(1–5):123–9

Restricted energy intake and elevated calcium and phosphorus intake for boars during growth. II. Foot and leg measurements and toe and soundness scores. Kornegay ET, et al. **J Anim Sci** 1983 Nov;57(5):1182–99

Developmental constraints and the evolution of vertebrate digit patterns. Holder N. **J Theor Biol** 1983 Oct 7; 104(3):451–71

[Information on dermatoglyphic systems of the toes and soles of the feet among the Kalenjins of Kenya] Reuer–Fabrizii S. **Anthropol Anz** 1983 Dec;41(4):283–92 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Blue digit syndrome: urgent indication for digital salvage. Lee BY, et al. **Am J Surg** 1984 Mar;147(3):418–22

Peripheral gangrene associated with dopamine infusion in a child. Koerber RK, et al. **Clin Pediatr (Phila)** 1984 Feb; 23(2):106–7

Isolated symptomatic deep vein phlebothrombosis in a digit. Freiberg TA, et al. **J Foot Surg** 1984 Jan–Feb;23(1):60–2

Ischemic extremities due to compartment syndromes in a septic neonate. Christiansen SD, et al. **J Pediatr Surg** 1983 Oct;18(5):641–3

Emboli from thigh to great toe treated by local femoral angioplasty. Kelly MJ, et al. **J R Soc Med** 1983 Nov; 76(11):965–7

[Diffuse pneumopathy with digital vasculitis in rheumatoid arthritis. Probable role of gold (letter)] Hauteville D, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):56–7 **(Fre)**

EMBRYOLOGY

Fine structure of the regressing interdigital membranes during the formation of the digits of the chick embryo leg bud. Hurle JM, et al. **J Embryol Exp Morphol** 1983 Dec; 78:195–209

INJURIES

Necrotising fasciitis due to group C and G haemolytic streptococcus after chiropody [letter] Gaunt N, et al. **Lancet** 1984 Mar 3;1(8375):516

Sea snake envenomation at Bondi. Fulde GW, et al. **Med J Aust** 1984 Jul 7;141(1):44–5

[Management of toe fractures] Sandner K. **Zentralbl Chir** 1984;109(1):49–53 **(Ger)**

INNERVATION

Cowboy boot neuropathy [letter] Meharg JG Jr. **JAMA** 1984 May 25;251(20):2659–60

PATHOLOGY

Diphenhydramine hydrochloride as a local anesthetic. A case report. Howard K, et al. **J Am Podiatry Assoc** 1984 May; 74(5):240–2

Giant cell tumor of tendon sheath origin. A case report and literature review. Milack GP. **J Am Podiatry Assoc** 1983 Dec;73(12):643–5

The acro–osteolysis (Hadju–Cheney) syndrome. Review of the literature and report of a case. Allen CM, et al. **J Periodontol** 1984 Apr;55(4):224–9

PHYSIOLOGY

Finger movement versus toe movement–related potentials: further evidence for supplementary motor area (SMA) participation prior to voluntary action. Boschert J, et al. **Exp Brain Res** 1983;52(1):73–80

Magnetic fields of the human brain (Bereitschaftsmagnetfeld) preceding voluntary foot and toe movements. Deecke L, et al. **Exp Brain Res** 1983;52(1):81–6

Movement–related potentials preceding toe plantarflexion and dorsiflexion. Boschert J, et al. **Hum Neurobiol** 1983; 2(2):87–90

[Subungual calcification in the normal nail bed of the toes] Fischer E. **Radiologe** 1984 Jan;24(1):31–4 (Eng. Abstr.) **(Ger)**

[Arterial pressure in the toes of patients with obliterative arteriopathy of the legs] Di Nardo E, et al. **Ann Ital Chir** 1984;56(1):81–6 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Influence of autonomic neuropathy on leg circulation and toe temperature in diabetes mellitus. Sundkvist G, et al. **Acta Med Scand [Suppl]** 1984;687:9–15

Painful legs and moving toes: a syndrome with different physiopathologic mechanisms. Schoenen J, et al. **Neurology (NY)** 1984 Aug;34(8):1108–12

RADIOGRAPHY

X–ray diagnosis of macrodystrophia lipomatosa. Moran V, et al. **Br J Radiol** 1984 Jun;57(678):523–5

Unusual radiological changes in metacarpals, metatarsals and phalanges in rickets. Bhargava SK, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):175, 179

[Metatarsophalangeal lesions of the diabetic foot. Radiologic outcome] Bernard C, et al. **J Radiol** 1983 Nov;64(11):615–9 (Eng. Abstr.) **(Fre)**

SURGERY

Island toe flaps in neurotrophic ulcers of the foot and ankle.

Morain WD. **Ann Plast Surg** 1984 Jul;13(1):1–8
Radical excision of the nailfold for ingrowing toenail. Antrum RM. **J Bone Joint Surg [Br]** 1984 Jan;66(1):63–5
The use of Kirschner wire fixation in forefoot surgery. Reichert K, et al. **J Foot Surg** 1983 Fall;22(3):218–21
Total joint replacement in digits of the foot. Silberman J, et al. **J Foot Surg** 1984 May–Jun;23(3):207–12

TRANSPLANTATION

Problems in toe–to–hand transfers. Leung PC. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):377–81
Late result of pediatric thumb reconstruction by free toe transplantation. Gao JH, et al. **Chin Med J [Engl]** 1983 Nov;96(11):865–7
Toe–to–thumb transfer in congenital grade III thumb hypoplasia. Nyárády J, et al. **J Hand Surg** 1983 Nov; 8(6):898–901
Evaluation of sensibility and function with microsurgical free tissue transfer of the great toe to the hand for thumb reconstruction. Poppen NK, et al. **J Hand Surg** 1983 Sep; 8(5 Pt 1):516–31
Keys to successful second toe–to–hand transfer: a review of 30 cases. Wang W. **J Hand Surg** 1983 Nov;8(6):902–6
Thumb reconstruction in the era of microsurgery: case reports. Lichtman DM, et al. **Milit Med** 1984 May; 149(5):246–50
Upper extremity reconstruction by free tissue transfer. Wood MB, et al. **Minn Med** 1983 Aug;66(8):503–8
Toe–to–hand transfer. Yoshimura M. **Plast Reconstr Surg** 1984 May;73(5):851–2
[Multiple transplantation of toes to the hand] Krylov VS, et al. **Klin Khir** 1984 Jul;(7):35–7 (Eng. Abstr.) **(Rus)**
[Features of preoperative examination of patients for free grafting of toes to the hand] Stepanov GA, et al. **Klin Khir** 1984 Jul;(7):38–40 (Eng. Abstr.) **(Rus)**
[Cutaneo–osseous reconstruction of the thumb using a microsurgical technic] Akchurin RS, et al. **Ortop Travmatol Protez** 1983 Sep;(9):53–4 **(Rus)**
[Grafting of a toe onto the hand after amputation of the thumb] Stepanov GA, et al. **Ortop Travmatol Protez** 1983 Sep;(9):51–3 **(Rus)**
[Correction of the foot after transplantation of the toes and foot tissues to the hands] Stepanov GA, et al. **Vestn Khir** 1983 Nov;131(11):120–6 (Eng. Abstr.) **(Rus)**
[Reconstruction of the thumb using a microsurgical approach] Ivrlač R, et al. **Chir Maxillofac Plast** 1983; 13(1):33–9 (Eng. Abstr.) **(Ser)**

TOGAVIRIDAE

ISOLATION & PURIFICATION

Isolation of Karelian fever agent from Aedes communis mosquitoes [letter] Lvov DK, et al. **Lancet** 1984 Aug 18; 2(8399):399–400

ULTRASTRUCTURE

Electron microscopic observation of a newly isolated flavivirus–like virus from field–caught mosquitoes. Okuno Y, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):803–7

TOGAVIRUS INFECTIONS

Australian encephalitis this summer? [letter] Boughton CR, et al. **Med J Aust** 1984 Jan 7;140(1):47

DIAGNOSIS

A destructive arthropathy following Chikungunya virus arthritis—a possible association. Brighton SW, et al. **Clin Rheumatol** 1984 Jun;3(2):253–8
Ross River Virus infection—an acute polyarthritis caused by arbovirus. Bennett PH. **J Rheumatol** 1983 Nov;10 Suppl 10:34–6
Ross River virus [letter] **Med J Aust** 1984 Mar 17;140(6):383
[Laboratory diagnosis of epidemic polyarthritis (Ross River virus) in New Caledonia] Panon G, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec;76(5 Pt 2):755–60 (Eng. Abstr.) **(Fre)**
[The berry picker disease. A syndrome with exanthema and arthralgia probably caused by an alpha–togavirus] Hoddevik G, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10; 103(22):1528–9 (Eng. Abstr.) **(Nor)**
[Karelian fever—a new nosological form of arbovirus etiology (togaviridae, alphavirus, Sindbis complex)] Vershinskii BV, et al. **Tr Inst Pastera** 1983;60:31–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Ross River virus polyarthralgia [letter] Saltau A. **Med J Aust** 1983 Dec 10–24;2(12):603–4
Chloroquine phosphate treatment of chronic Chikungunya arthritis. An open pilot study. Brighton SW. **S Afr Med J** 1984 Aug 11;66(6):217–8

ETIOLOGY

Pathogenesis of in utero infections with abortogenic and non–abortogenic alphaviruses in mice. Milner AR, et al. **J Virol** 1984 Apr;50(1):66–72
[Role of virus–induced cytotoxic autoreactive T–lymphocytes and T–suppressors in the pathogenesis of an experimental infection in mice cause by the Langat virus] Khozinskil VV, et al. **Vopr Virusol** 1984 May–Jun; 29(3):350–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serum factor blocking the activity of virus–induced autoreactive T lymphocytes of mice. Khozinsky VV, et al. **Acta Virol (Praha)** 1983 Jul;27(4):346–50
Properties of host and virus which influence defective interfering virus mediated–protection of mice against Semliki Forest virus lethal encephalitis. Brief report. Barrett AD, et al. **Arch Virol** 1984;81(1–2):185–8
Delayed–type hypersensitivity in mice after infection with avirulent Semliki Forest virus. Brief report. Kraaijeveld CA, et al. **Arch Virol** 1983;78(1–2):115–8
Cell–mediated immune response to Ross River virus in mice: evidence for a defective effector cell response. Aaskov JG, et al. **Aust J Exp Biol Med Sci** 1983 Oct;61 (Pt 5):529–40
Macrophages bind directly to Semliki Forest virus–infected cells and mediate antibody–dependent cell–mediated cytotoxicity. Macfarlan RI, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):193–7
Current problems of the epidemiology and prophylaxis in mosquito–induced haemorrhagic fevers in sea transport. Sidenko VP, et al. **Bull Inst Marit Trop Med Gdynia** 1982; 33(1–2):61–9
Detection by ELISA of IgM antibodies to Ross River virus in serum from patients with suspected epidemic polyarthritis. Oseni RA, et al. **Bull WHO** 1983;61(4):703–8
The role of mast cells in virus–induced inflammation in the murine central nervous system. Mokhtarian F, et al. **Cell Immunol** 1984 Jul;86(2):491–500
Interferon–induced transfer of viral resistance by human B and T lymphocytes. Weigent DA, et al. **Cell Immunol** 1984 Sep;87(2):678–83
Detection of specific immunoglobulin M antibody to different alaviviruses by use of enzyme–labeled antigens. Schmitz H, et al. **J Clin Microbiol** 1984 May;19(5):664–7
Gamma interferon production and cytotoxicity of spleen cells from mice infected with Semliki Forest virus. Blackman MJ, et al. **J Gen Virol** 1984 May;65 (Pt 5):955–61
Flavivirus infection enhancement in macrophages: radioactive and biological studies on the effect of antibody on viral fate. Gollins SW, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1261–72
Effect of pregnancy on stimulation of alphavirus immunity in mice. Milner AR, et al. **J Virol** 1984 Apr;50(1):73–6
'Original antigenic sin' phenomenon in experimental flavivirus infections of guinea pigs: studies by enzyme–linked immunosorbent assay. Inouye S, et al. **Microbiol Immunol** 1984;28(5):569–74
Immunological reaction of the demyelinating Semliki Forest virus with immune serum to glycolipids and its possible importance to central nervous system viral auto–immune disease. Webb HE, et al. **Neuropathol Appl Neurobiol** 1984 Mar–Apr;10(2):77–84
Immune responses to acute alphavirus infection of the central nervous system: Sindbis virus encephalitis in mice. Griffin DE, et al. **Prog Brain Res** 1983;59:11–21
[Diagnostic value of serum IgM determination in human infections caused by Flaviviruses] Le Lay–Rogues G, et al. **Med Trop (Mars)** 1984 Jan–Mar;44(1):41–7 (Eng. Abstr.) **(Fre)**
[Effect of an alphavirus infection in pregnant mice on the susceptibility of their progeny to homologous infection in the postnatal period] Leonova ES, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):231–4 (Eng. Abstr.) **(Rus)**
[In vitro study of macrophage barrier function in mice vaccinated against tick–borne encephalitis and infection with flaviviruses of varying virulence] Karaseva PS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):57–60 (Eng. Abstr.) **(Rus)**
[Effect of a bone marrow stimulator of antibody producers on virus–specific antibody formation in animals infected with flaviviruses] Petrov RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):67–71 (Eng. Abstr.) **(Rus)**

METABOLISM

Alterations in monovalent cation transport in Sindbis virus–infected chick cells. Ulug ET, et al. **Virology** 1984 Jan 15;132(1):118–30

MICROBIOLOGY

Isolation of Japanese encephalitis & West Nile viruses from peripheral blood of encephalitis patients. Kedarnath N, et al. **Indian J Med Res** 1984 Jan;79:1–7
The pathogenicity of the M9 mutant of Semliki Forest virus in immune–compromised mice. Gates MC, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):73–80
Modulation of Semliki Forest virus–induced infection of mice by defective–interfering virus. Barrett AD, et al. **J Infect Dis** 1984 Jul;150(1):98–104
[Electron microscopy study of the midgut of ticks after experimental infection with Karshi virus] Gushchina EA, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):235–40 (Eng. Abstr.) **(Rus)**
[Variability of attenuated alphavirus strains in virion aggregate infection] Tsilinskii IaIa, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):601–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Flavivirus infections in Chiang Mai area, Thailand, in 1982. Igarashi A, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):470–80
A sero–epidemiological survey for certain arboviruses (Togaviridae) in Pakistan. Darwish MA, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):442–5
[Outbreak of a Chikungunya virus epidemic in western Senegal in 1982] Saluzzo JF, et al. **Dakar Med** 1983; 28(3):497–500 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Ross River virus—induced demyelination: II. Ultrastructural studies. Seay AR, et al. **Ann Neurol** 1983 Nov;14(5):559–68
Ribosome topography in baby hamster kidney cells infected with Sindbis and vesicular stomatitis viruses. McGuire RP, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):258–68
The exanthem of Ross River virus infection: histology, location of virus antigen and nature of inflammatory infiltrate. Fraser JR, et al. **J Clin Pathol** 1983 Nov; 36(11):1256–63
The identification and role of cells involved in CNS demyelination in mice after Semliki Forest virus infection: an ultrastructural study. Pathak S, et al. **Prog Brain Res** 1983;59:237–54
[Inhibiting effect of colcemid on the development of cytopathic changes due to the Sindbis virus] Karmysheva VIa, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):201–6 (Eng. Abstr.) **(Rus)**
[Characteristics of experimental alphavirus infection during pregnancy and in the early stages of ontogeny in mice] Leonova ES, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):53–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Increase in axonal transport in demyelinating optic nerve fibres in the mouse infected with Semliki Forest virus. Pessoa VF, et al. **Brain** 1984 Jun;107 (Pt 2):433–46
Physiological deficits in the visual system of mice infected with Semliki Forest virus and their correlation with those seen in patients with demyelinating disease. Tremain KE, et al. **Brain** 1983 Dec;106 (Pt 4):879–95

THERAPY

Interferon therapy in experimental Semliki forest virus disease in mice. Jain C, et al. **Indian J Med Res** 1983 Nov; 78:726–31

TRANSMISSION

Absence of intrauterine infection following Ross River virus infection during pregnancy [letter] Aaskov J. **Am J Trop Med Hyg** 1984 Jul;33(4):739–40
Distribution and relative abundance of mosquitoes (Diptera: Culicidae) on U.S. Air Force installations in the Pacific and notes on mosquito–borne disease potential. Lang JT, et al. **J Med Entomol** 1983 Jul 21;20(4):455–7
Viral polyarthritis [letter] Byrne B. **Med J Aust** 1984 Mar 31;140(7):445–6

VETERINARY

Primary antibody responses of herons to experimental infection with Murray Valley encephalitis and Kunjin viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):665–74
Primary viraemia responses of herons to experimental infection with Murray Valley encephalitis, Kunjin and Japanese encephalitis viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):655–64
Congenital infections with nonarbo togaviruses. Van Oirschot JT. **Vet Microbiol** 1983 Aug;8(4):321–61 (238 ref.)

TOILET FACILITIES

The effect of domestic detergents on the population dynamics of the immature stages of two competitor mosquitoes, Culex cinereus Theobald and Culex quinquefasciatus Say (Diptera, Culicidae) in Kenya. Subra R, et al. **Acta Trop (Basel)** 1984 Mar;41(1):69–75
Burns caused by faulty water–heating systems (Waterloo scalds). Baruchin AM, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):207–9
Spontaneous births into toilets. Mitchell EK, et al. **J Forensic Sci** 1984 Apr;29(2):591–6
Technical note—'Lawry' rotary attachment for paraplegics. Lawrence NG. **Prosthet Orthot Int** 1983 Dec;7(3):174–5
Excreta disposal facilities and intestinal parasitism in urban Africa: preliminary studies in Botswana, Ghana and Zambia. Feachem RG, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):515–21
[Effect of human excrement on the air flora in the vicinity of moving trains] Nikodemusz I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):507–13 (Eng. Abstr.) **(Ger)**

TOILET TRAINING

The effects of manipulation of social reinforcement on toilet requests on a geriatric ward. Tarrier N, et al. **Age Ageing** 1983 Aug;12(3):234–9

Toileting skills in children with myelomeningocele: rates of learning. Okamoto GA, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):182–5

Bladder–sphincter dysfunction, urinary infection and vesico–ureteral reflux with special reference to cognitive bladder training. van Gool JD, et al. **Contrib Nephrol** 1984; 39:190–210

[Sphincter control training of the mentally retarded. Operant behavioral approach] Magerotte G.
Neuropsychiatr Enfance Adolesc 1983 Jul;31(7):309–17 (Eng. Abstr.) **(Fre)**

TOKEN ECONOMY

Incidental teaching of mentally retarded students within a token system. Fabry BD, et al. **Am J Ment Defic** 1984 Jul;89(1):29–36

Effects of token reinforcement schedules on work rate: a case study. Miltenberger RG, et al. **Am J Ment Defic** 1983 Sep;88(2):229–32

Token reinforcement during WISC–R administration. II. Effects on mildly retarded, black students. Johnson CM, et al. **Appl Res Ment Retard** 1984;5(1):43–52

Token–economy programmes with chronic psychotic patients: the importance of direct measurement and objective evaluation for long–term maintenance. Woods PA, et al. **Behav Res Ther** 1984;22(1):41–51

Long–term follow–up of the effects of behavior therapy. Banzett LK, et al. **Hosp Community Psychiatry** 1984 Mar; 35(3):277–9

A residential treatment model for MR adolescent offenders. Denkowski GC, et al. **Hosp Community Psychiatry** 1984 Mar;35(3):279–81

On token reinforcement and stuttering therapy: another view on findings reported by Howie and Woods (1982). Ingham RJ. **J Appl Behav Anal** 1983 Winter;16(4):465–75

Reduction of food theft and long–term maintenance of weight loss in a Prader–Willi adult. Page TJ, et al.
J Behav Ther Exp Psychiatry 1983 Sep;14(3):261–8 (30 ref.)

WISC–R incentives and the academic achievement of conduct disordered adolescent females: a validity study. Saigh PA, et al. **J Clin Psychol** 1983 Sep;39(5):771–4

[Value of the token economy system in the light of the effects of the rehabilitation of schizophrenic patients in long–term hospital stay] Czuma K, et al. **Psychiatr Pol** 1983 Mar–Apr; 17(2):131–5 (Eng. Abstr.) **(Pol)**

TOKEN REINFORCEMENT see **TOKEN ECONOMY**

TOLAMOLOL see under **PROPANOLAMINES**

TOLAZAMIDE

PHARMACODYNAMICS

Hepatic insulin resistance in non–insulin–dependent diabetes mellitus and the effects of a sulfonylurea in potentiating insulin action. Amatruda JM, et al. **Diabetes Care** 1984 May–Jun;7 Suppl 1:47–53

Effect of physiological concentrations of insulin and antidiabetic drugs on RNA release from isolated liver nuclei. Schumm DE, et al. **J Cell Biochem** 1983; 23(1–4):223–9

TOLAZOLINE

DIAGNOSTIC USE

Optimal use of tolazoline in arteriography. Friedman J, et al. **AJR** 1984 Apr;142(4):817–20

[Television biomicroscopy in studying conjunctival microvascular reactions to vasoactive substances] Bunin Ala, et al. **Vesta Oftalmol** 1983 Nov–Dec;(6):38–42 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Halothane–sparing effect of xylazine in dogs and subsequent reversal with tolazoline. Tranquilli WJ, et al.
J Vet Pharmacol Ther 1984 Mar;7(1):23–8

[Tolazoline as a xylazine antagonist in cattle] Roming LG. **DTW** 1984 Apr 9;91(4):154–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Clinical and echocardiographic evidence suggesting afterload reduction as a mechanism of action of tolazoline in neonatal hypoxemia. Sandor GG, et al. **Pediatr Cardiol** 1984 Apr–Jun;5(2):93–9

Tolazoline therapy in newborns with persistent pulmonary hypertension. Liao MF, et al.
Taiwan I Hsueh Hui Tsa Chih 1984 Mar;83(3):299–306

[Tolazoline and dopamine in the treatment of the persistent fetal circulation syndrome] Seri I, et al.
Monatsschr Kinderheilkd 1983 Oct;131(10):710–3 (Eng. Abstr.) **(Ger)**

[Tolazoline and dopamine in the management of persistent fetal circulation] Seri I, et al. **Orv Hetil** 1984 Aug 5; 125(32):1939–40, 1943–44 (Eng. Abstr.) **(Hun)**

TOLBUTAMIDE

ADMINISTRATION & DOSAGE

Suppressive effect of long term sulfonylurea treatment on A, B, and D cells of normal rat pancreas. Filipponi P, et al. **Endocrinology** 1983 Dec;113(6):1972–9

Intravenous glucose tolerance test following oral tolbutamide administration. A possible model for the evaluation of a new hypoglycaemic agent. Gadgil SD, et al.
J Postgrad Med 1983 Apr;29(2):82–8

ADVERSE EFFECTS

Hypoglycaemia due to azapropazone–tolbutamide interaction. Waller DG, et al. **Br J Rheumatol** 1984 Feb; 23(1):24–5

ANTAGONISTS & INHIBITORS

Influence of non–steroidal anti–inflammatory agents on tolbutamide hypoglycaemia. Diwan PV, et al.
Indian J Med Res 1983 Jul;78:147–50

DIAGNOSTIC USE

[1) Temporal structure of endocrine secretion: circannual changes in insulin responsiveness to tolbutamide in man] Guagnano T, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30; 59(8):1076–81 (Eng. Abstr.) **(Ita)**

METABOLISM

The effect of cimetidine on tolbutamide kinetics. Dey NG, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):438–40

Tolbutamide as a model drug for the study of enzyme induction and enzyme inhibition in the rat. Back DJ, et al. **Br J Pharmacol** 1984 Mar;81(3):557–62

Comparative metabolism of tolbutamide by isolated hepatocytes from rat, rabbit, dog, and squirrel monkey. Gee SJ, et al. **Drug Metab Dispos** 1984 Mar–Apr; 12(2):174–8

Kinetic analysis of tolbutamide–sulfonamide interaction in rabbits based on clearance concept. Prediction of species difference from in vitro plasma protein binding and metabolism. Sugita O, et al. **Drug Metab Dispos** 1984 Jan–Feb;12(1):131–8

Effect of sulfaphenazole on tolbutamide distribution in rabbits: analysis of interspecies differences in tissue distribution of tolbutamide. Sugita O, et al.
J Pharm Sci 1984 May;73(5):631–4

Protein binding and hepatic clearance: studies with tolbutamide, a drug of low intrinsic clearance, in the isolated perfused rat liver preparation. Schary WL, et al.
J Pharmacokinet Biopharm 1983 Jun;11(3):225–43

PHARMACODYNAMICS

The control of 86Rb efflux from rat isolated pancreatic islets by the sulphonylureas tolbutamide and glibenclamide. Matthews EK, et al. **Br J Pharmacol** 1984 Jul;82(3):689–700

Tolbutamide and glyburide differ in effectiveness to displace alpha– and beta–adrenergic radioligands in pancreatic islet cells and membranes. Cherksey B, et al. **Diabetes** 1984 May; 33(5):499–503

Tolbutamide stimulates fructose–2, 6–bisphosphate formation in perfused rat liver. Matsutani A, et al. **Diabetes** 1984 May; 33(5):495–8

The effect of glucose, tolbutamide, and arginine on C–peptide release during remission in type I diabetes mellitus. Vetter U, et al. **Eur J Pediatr** 1983 Sep;140(4):305–10

A stimulatory effect of tolbutamide on the insulin–mediated glucose uptake in subjects with impaired glucose tolerance (IGT). Schulz B, et al. **Exp Clin Endocrinol** 1983 Aug; 82(2):222–31

Tolbutamide stimulates gastrin release from rat stomach. Chiba T, et al. **Horm Metab Res** 1983 Oct;15(10):516

Efficacy of centpiperalone in combination with biguanide & sulfonylurea. Srivastava PP, et al. **Indian J Exp Biol** 1983 Jul;21(7):390–2

Effect of physiological concentrations of insulin and antidiabetic drugs on RNA release from isolated liver nuclei. Schumm DE, et al. **J Cell Biochem** 1983; 23(1–4):223–9

A probable mechanism for tolbutamide mediated activation of glycogen phosphorylase in the isolated rat heart. Lampson WG, et al.
Res Commun Chem Pathol Pharmacol 1984 Apr;44(1):3–13

THERAPEUTIC USE

Tolbutamide does not alter insulin requirement in Type 1 (insulin–dependent) diabetes. Ratzmann KP, et al.
Diabetologia 1984 Jul;27(1):8–12

[Quantitative approach to drug compliance of diabetics] Gaillard C, et al. **Schweiz Med Wochenschr** 1983 Nov 19; 113(46):1738–42 (Eng. Abstr.) **(Fre)**

TOLIPROLOL see under **PROPANOLAMINES**

TOLMETIN see under **PYRROLES**

TOLNAFTATE

ADMINISTRATION & DOSAGE

Treatment of onychomycosis by ODT therapy with 20% urea ointment and 2% tolnaftate ointment. Ishii M, et al.
Dermatologica 1983;167(5):273–9

The treatment of dermatophytoses of the glabrous skin: a comparison of undecylenic acid and its salt versus tolnaftate. Battistini F, et al. **Int J Dermatol** 1983 Jul–Aug; 22(6):388–9

THERAPEUTIC USE

The use of Chinofungin spray in fungal dermatological diseases. Korossy S, et al. **Ther Hung** 1981;29(1):35–7

TOLONIUM CHLORIDE

Toluidine blue binding affinity and Feulgen–DNA absorption spectrum of euchromatin and beta–heterochromatin of Drosophila nebulosa. Recco–Pimentel SM, et al.
Rev Bras Biol 1984 Feb;44(1):25–9

The toluidine blue–membrane filter method: absorption spectra of toluidine blue stained bacterial cells and the relationship between absorbance and dry mass of bacteria. O'Toole DK. **Stain Technol** 1983 Nov;58(6):357–64

DIAGNOSTIC USE

Identification of the mineralization front: comparison of a modified toluidine blue stain with tetracycline fluorescence. Villanueva AR, et al. **Metab Bone Dis Relat Res** 1983–84; 5(1):41–5

Toluidine blue staining in the detection of oral precancerous and malignant lesions. Silverman S Jr, et al. **Oral Surg** 1984 Apr;57(4):379–82

[Use of a cytological method for detection of estrogen receptors in the breast tumor tissue] Plegere DA, et al. **Lab Delo** 1983;(9):14–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Gene responsible for protecting Escherichia coli from sodium dodecyl sulfate and toluidine blue plus light. Wakayama Y, et al. **J Bacteriol** 1984 Aug;159(2):527–32

[Possibility of late effects of O–toluidine after its absorption through the skin] Malysheva MV, et al.
Gig Tr Prof Zabol 1983 Sep;(9):47–9 **(Rus)**

TOLOSA–HUNT SYNDROME see **OPHTHALMOPLEGIA**

TOLPERISONE see under **PROPIOPHENONES**

TOLUENE

Self–mutilation under combined inferior dental block and solvent intoxication? Gilmour AG, et al. **Br Dent J** 1984 Jun 23;156(12):438–9

Thin layer chromatography of p–aminophenol in urine after mixed exposure to aniline and toluene. Bieniek G, et al.
Br J Ind Med 1984 May;41(2):272–4

Thinner abuse and aspermia. Suzuki T, et al.
Med Sci Law 1983 Jul;23(3):199–202

Effect of exposure to high concentrations of toluene on ethanol preference of laboratory rats. Geller I, et al.
Pharmacol Biochem Behav 1983 Dec;19(6):933–7

[Toluene vapor poisoning] Zaitsev VV, et al.
Sud Med Ekspert 1983 Oct–Dec;26(4):56 **(Rus)**

ADVERSE EFFECTS

Complications of chronic glue (toluene) abuse in adolescents. Devathasan G, et al. **Aust NZ J Med** 1984 Feb;14(1):39–43

Effect of environmental contamination of the work place with benzene, toluene and xylene on human lymphocyte–associated immunity. Moszczynski P, et al.
Med Lav 1983 Nov–Dec;74(6):492–8

[The effect of solvents on the respiratory tract – review of the literature with special reference to aliphatic halogenated hydrocarbons and toluene, styrene and alcohol] Maintz G, et al. **Z Gesamte Hyg** 1983 Dec; 29(12):706–10 (32 ref.) (Eng. Abstr.) **(Ger)**

[Gas chromatography determination of hippuric acid in the urine. Normal values and increase following toluol exposure] Woiwode W, et al.
Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie 1983 Jul;33(7):218–21 (Eng. Abstr.) **(Ger)**

[Use of the nitroblue tetrazolium test for detection of the effects of organic solvents containing benzol, toluol and xylol] Moshchin'ski P, et al. **Gig Tr Prof Zabol** 1983 Sep; (9):31–4 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Metabolism of nitrotoluenes by freshly isolated Fischer 344 rat hepatocytes. deBethizy JD, et al.
Drug Metab Dispos 1984 Jan–Feb;12(1):45–50

2–Chlorotoluene metabolism by rats. Quistad GB, et al.
J Agric Food Chem 1983 Nov–Dec;31(6):1158–62

High–performance liquid chromatographic analysis of 5–chloroaminotoluene in rats. Holdiness MR, et al.
J Chromatogr 1983 Nov 11;278(1):193–8

Toxicity of trichlorotoluene isomers: a 28–day feeding study

in the rat. Chu I, et al. **J Environ Sci Health [B]** 1984 Mar; 19(2):183–91

[Extraction and chromatographic determination of 2,3,6-trichlorotoluene and 2,3,6-trichloro-p-tert-butyltoluene in water] Kozlova VS, et al. **Gig Sanit** 1983 Jun;(6):61–2 **(Rus)**

[Determination of the maximum allowable concentration of alpha, alpha, alpha-trifluoro-4-chlorotoluene in the air of the work zone] Khalepo AI, et al. **Gig Tr Prof Zabol** 1984 May;(5):49–51 **(Rus)**

ANALYSIS

Measurements of alveolar concentrations of toluene. Mølhave L, et al. **Int Arch Occup Environ Health** 1984;54(1):65–71

[Forensic medicine diagnosis of death caused by burns in severely charred cadavers. Determination of ethanol, toluol and propane in experimentally severely burned animal organs] Nagano T, et al. **Beitr Gerichtl Med** 1983;41:67–74 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

[Study of the protective effects of phenobarbital and aminopyrine in a toxicologic experiment] Gichev IuP, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):55–7 **(Rus)**

BLOOD

Toluene blood level following subcutaneous injection of toluene in the rat. Benignus VA, et al. **Environ Res** 1984 Apr;33(2):441–53

METABOLISM

Urinary hippuric acid and orthocresol excretion in man during experimental exposure to toluene. Døssing M, et al. **Br J Ind Med** 1983 Nov;40(4):470–3

Effects of Aroclor 1254 treatment on the in vitro hepatic metabolism of toluene, aniline and aminopyrine in hybrid sunfish. Carter FD, et al. **Comp Biochem Physiol [C]** 1984; 78(1):137–40

Toluene levels in blood and brain of rats as a function of toluene level in inspired air. Benignus VA, et al. **Environ Res** 1984 Feb;33(1):39–46

Urinary excretion of hippuric acid and o-cresol after laboratory exposure of humans to toluene. Andersson R, et al. **Int Arch Occup Environ Health** 1983;53(2):101–8

Experimental study on the pulmonary absorption and excretion of toluene. Hobara T, et al. **Int Arch Occup Environ Health** 1984;53(4):337–44

Effects of pretreatment with toluene, phenobarbital and 3-methylcholantrene on the in vivo metabolism of toluene and on the excretion of hippuric acid in the rat. Pyykkö K. **Pharmacol Res Commun** 1984 Mar;16(3):217–25

PHARMACODYNAMICS

Central nervous effect and blood level regressions on exposure time paralleled in solvents (toluene, carbon tetrachloride and chloroform). Frantík E, et al. **Act Nerv Super (Praha)** 1984 Jun;26(2):131–3

Age-and sex-related differences in rat liver microsomal enzymes and their inducibility by toluene. Pyykkö K. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):401–9

Toluene-induced decrease in rat plasma concentrations of tyrosine and tryptophan. Voog L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):151–3

Antipyrine clearance during experimental and occupational exposure to toluene. Døssing M, et al. **Br J Ind Med** 1983 Nov;40(4):466–9

The effects of toluene and alcohol on psychomotor performance. Cherry N, et al. **Ergonomics** 1983 Nov; 26(11):1081–7

Anticonvulsant and antipunishment effects of toluene. Wood RW, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):407–12

Modifications in the myeloclastogenic effect of benzene in mice with toluene, phenobarbital, 3-methylcholanthrene, Aroclor 1254 and SKF-525A. Gad-El-Karim MM, et al. **Mutat Res** 1984 Mar;135(3):225–43

Conditioned taste aversion induced by toluene administration in rats. Miyagawa M, et al. **Neurobehav Toxicol Teratol** 1984 Jan-Feb;6(1):33–7

Increased amine turnover in several hypothalamic noradrenaline nerve terminal systems and changes in prolactin secretion in the male rat by exposure to various concentrations of toluene. Andersson K, et al. **Neurotoxicology (Park Forest Il)** 1983 Winter;4(4):43–55

Impairment of visuo-vestibular interaction in humans exposed to toluene. Hydén D, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(5):262–9

Toluene inhalation and anxiolytic activity: possible synergism with diazepam. Geller I, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):899–903

The role of hydroxyl radical scavengers in preventing DNA strand breaks induced by X irradiation of toluene-treated Escherichia coli. Billen D. **Radiat Res** 1984 Mar;97(3):626–9

Effects of toluene inhalation on brain biogenic amines in the rat. Rea TM, et al. **Toxicology** 1984 May 14;31(2):143–50

Hematological indices of peripheral blood in workers occupationally exposed to benzene, toluene and xylene. Moszczyński P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):329–39

[Determination of restrictase activity in toluene lysates of bacterial cells] Sokolov NN, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):163–5 (Eng. Abstr.) **(Rus)**

POISONING

Sudden death from toluene abuse [letter] Kirk LM, et al. **Ann Emerg Med** 1984 Jan;13(1):68–9

Decline of blood and alveolar toluene concentration following two accidental human poisonings. Brugnone F, et al. **Int Arch Occup Environ Health** 1983;53(2):157–65

The nitroblue tetrazolium reduction test in workers exposed to benzene and its homologues. Moszczyński P, et al. **Med Interne** 1983 Jul-Sep;21(3):217–23

[Neurasthenia and polyneuropathy. The dangers of chronic toluene poisoning] Magnussen Z, et al. **Tidsskr Nor Laegeforen** 1983 Oct 30;103(30):2039–41 **(Nor)**

TOXICITY

Mechanisms for modification of bromobenzene hepatotoxicity by coadministered toluene and chlorobenzene. Koizumi A, et al. **Am J Ind Med** 1984; 6(3):241–50

Effects of work environment contaminated with benzene, toluene and xylene on acid phosphatase activity in lymphocytes. Moszczyński P, et al. **Folia Haematol (Leipz)** 1983;110(6):948–54

Chronic toxicity and oncogenicity bioassay of inhaled toluene in Fischer-344 rats. Gibson JE, et al. **Fundam Appl Toxicol** 1983 Jul-Aug;3(4):315–9

Changes in sleep cycle and EEG of rats exposed to 4000 ppm toluene for four weeks. Hisanaga N, et al. **Ind Health** 1983;21(3):153–64

Significant changes in the amounts of neurotransmitter and related substances in rat brain induced by subacute exposure to low levels of toluene and xylene. Honma T, et al. **Ind Health** 1983;21(3):143–51

Changes in sleep-waking rhythms of rats following a single injection of toluene. Nakagagi K, et al. **Ind Health** 1983; 21(3):165–74

Hippuric acid and o-cresol in the urine of workers exposed to toluene. Hasegawa K, et al. **Int Arch Occup Environ Health** 1983;52(3):197–208

Changes of n-hexane metabolites in urine of rats exposed to various concentrations of n-hexane and to its mixture with toluene or MEK. Iwata M, et al. **Int Arch Occup Environ Health** 1983;53(1):1–8

Toxicology update. Toluene. von Burg R. **J Appl Toxicol** 1981 Apr;1(2):140–1 (17 ref.)

An inhalation method for testing the toxicity of volatile compounds in small laboratory animals. A study on short-term and long-term toluene inhalation in rats. Tähti H, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec; 5(10):667–71

Slow learning in rats due to long-term inhalation of toluene. Miyake H, et al. **Neurobehav Toxicol Teratol** 1983 Sep-Oct; 5(5):541–8

Hearing loss in rats first exposed to toluene as weanlings or as young adults. Pryor GT, et al. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):111–9

Human response to controlled levels of toluene in six-hour exposures. Andersen I, et al. **Scand J Work Environ Health** 1983 Oct;9(5):405–18

Effects of subacute treatment with toluene on central monoamine receptors in the rat. Reduced affinity in [3H]5-hydroxytryptamine binding sites and in [3H]spiperone binding sites linked to dopamine receptors. Celani MF, et al. **Toxicol Lett** 1983 Jul;17(3-4):275–81

Follow-up of the antihemolytic effect of toluene inhalation in rats. Korpela M, et al. **Toxicol Lett** 1984 Apr;21(1):15–9

Effect of toluene on the hemolytic resistance of rat erythrocytes. Korpela M, et al. **Toxicol Lett** 1983 Jul; 17(3-4):253–7

Effects of toluene inhalation on locomotor activity and brain catecholamine levels in rats. Yamawaki S, et al. **Yakubutsu Seishin Kodo** 1982 Jul;2(1):57–9

[Investigation on the urinary catecholamine of workers in benzene, toluene and xylene plants] Gao GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):342–4 (Eng. Abstr.) **(Chi)**

[Value of basic hematological tests and indicators of liver and kidney functions for evaluation of the effects of exposure to glues used in the shoe industry] Wocka-Marek T, et al. **Pol Tyg Lek** 1984 Mar 19;39(12):395–8 **(Pol)**

TOLUENE DIISOCYANATE see under **CYANATES**

TOLUENESULFONYL COMPOUNDS see **TOSYL COMPOUNDS**

TOLUIDINE BLUE O see **TOLONIUM CHLORIDE**

TOLUIDINES

Phenol interference in the mercury-free pararosaniline method and the chromotropic acid method for formaldehyde. Knox SE, et al. **Am Ind Hyg Assoc J** 1984 May;45(5):325–8

Behavior of amitraz in cattle dipping baths. McDougall KW, et al. **Aust Vet J** 1984 May;61(5):137–40

A fluorescent probe for the active site of bovine trypsin. Russo SF, et al. **Physiol Chem Phys** 1983;15(3):223–7

POISONING

Extrapolation from safety data to management of poisoning with reference to amitraz (a formamidine pesticide) and xylene. Bonsall JL, et al. **Hum Toxicol** 1983 Oct;2(4):587–92

Animal studies on the treatment of poisoning by amitraz (a formamidine pesticide) and xylene. Turnbull GJ. **Hum Toxicol** 1983 Oct;2(4):579–86

THERAPEUTIC USE

Chemotherapeutic treatment of naturally acquired generalized demodicosis. Folz SD, et al. **Vet Parasitol** 1983 Aug;13(1):85–93

TOXICITY

Estimate of amitraz load on skin after application of bath fluid. Gunaratnam P, et al. **Aust Vet J** 1983 Sep;60(9):278–9

Trifluralin and oryzalin herbicides toxicities to juvenile crawfish (Procambarus clarkii) and mosquitofish (Gambusia affinis). Naqvi SM, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):304–8

Toxicokinetics, covalent binding and histopathological features of [14C]2-chloro-4-acetotoluidide toxicity in the starling after intravenous administration. Siegel DM, et al. **Exp Mol Pathol** 1983 Oct;39(2):194–206

Inhalation toxicity of dehydrothio-p-toluidine. Kennedy GL Jr, et al. **Food Chem Toxicol** 1984 Apr;22(4):289–92

Effect of amitraz and chlordimeform on heart rate and pupil diameter in rats: mediated by alpha 2-adrenoreceptors. Hsu WH, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):411–5

URINE

Estimation of N-hydroxy-o-toluidine, a urinary metabolite of o-toluidine and o-nitrosotoluene, by high performance liquid chromatography with electrochemical detection. Kulkarni B, et al. **Carcinogenesis** 1983 Oct;4(10):1275–9

TOMATINE see under **ALKALOIDS**

TOMOGRAPHY

Computed tomography and thin-section tomography in facial trauma. Kreipke DL, et al. **AJR** 1984 May;142(5):1041–5

Diagnostic accuracy of double-contrast arthrotomography of the temporomandibular joint: correlation with postmortem morphology. Westesson PL, et al. **AJR** 1984 Sep;143(3):655–60

Preliminary in vitro studies of nuclear magnetic resonance spin-lattice relaxation times and three-dimensional nuclear magnetic resonance imaging in gynecologic oncology. Mann WJ, et al. **Am J Obstet Gynecol** 1984 Jan 1; 148(1):91–5

Nuclear magnetic resonance (NMR) imaging of intracerebral hemorrhage in the acute and resolving phases. Sipponen JT, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):954–9

Communication device for patients undergoing nuclear magnetic resonance imaging. Ellis JH, et al. **Radiology** 1983 Dec;149(3):855

Assessment of conventional tomography and fibreoptic bronchoscopy in the diagnosis of potentially malignant chest opacities. Bagg LR, et al. **Thorax** 1984 Jan;39(1):23–7

Urethral pressure tomography. Morita T, et al. **Tohoku J Exp Med** 1984 Apr;142(4):391–8

Generation of separate density and compressibility images in tissue. Norton SJ. **Ultrasonic Imaging** 1983 Jul; 5(3):240–52 (13 ref.)

[Contribution of echotomography in the diagnosis of hydatid cysts of the kidney. Apropos of 43 confirmed cases] Horchani A, et al. **J Urol (Paris)** 1983;89(7):515–20 (Eng. Abstr.) **(Fre)**

[NMR tomographs are moving into German institutes] **Fortschr Med** 1983 Oct 27;101(40):1844–5 **(Ger)**

[Nuclear spin tomography. Basic principles and initial and clinical results in the area of the skull] Bauer R, et al. **Fortschr Med** 1983 Oct 27;101(40):1803–14 **(Ger)**

[On the 'Pudels Kern' (Faust) in magnetic tomography. Scientific and economic aspects in the battle of the giants for a revolutionary method in medical diagnosis] Girstenbrey W. **Fortschr Med** 1983 Oct 27;101(40):1801–2 **(Ger)**

[Intrauterine ultrasonic tomography (IUT): comparison with macroscopic sections] Hötzinger H, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):219–24 (Eng. Abstr.) **(Ger)**

[Conventional tomography in diseases of the spine—technic, clinical evaluation and indication] Arlart IP. **Rontgenblatter** 1983 Nov;36(11):388–96 (Eng. Abstr.) **(Ger)**

[Staging of metastasized bladder cancer using parietocystotomography] Hofmann W, et al. **Z Urol Nephrol** 1984 Apr;77(4):201–6 (Eng. Abstr.) **(Ger)**

[Mass screening of uterine cancer, especially cancer of the corpus uteri, by ultrasonic tomography, cytodiagnosis, and other methods] Doi O. **Igaku Kenkyu** 1982 Nov; 52(5):217–32 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of zono- and tomography in the differential diagnosis of small spherical formations in the lungs] Romanychev IuA, et al. **Med Radiol (Mosk)** 1984 May;29(5):25–8 (Eng. Abstr.) **(Rus)**

METHODS

ECG-gated nuclear magnetic resonance imaging: appearance of the congenitally malformed heart. Jacobstein MD, et al. **Am Heart J** 1984 May;107(5 Pt 1):1014–20

New technique aids in diagnosis. **AORN J** 1983 Nov; 38(5):918

Inability of seven-pinhole myocardial tomography to obtain accurate 201Tl kinetic data. Brady TJ, et al. **Eur J Nucl Med** 1983;8(10):425–30

Pluridirectional macrotomography with three-fold magnification. An assessment of image quality and clinical application. Ishigaki T, et al. **Eur J Radiol** 1984 Feb; 4(1):76–81

A computer simulation study of diffraction tomography. Devaney AJ. **IEEE Trans Biomed Eng** 1983 Jul; 30(7):377–86

A direct substitution, equation error technique for solving the thermographic tomography problem. Kleinman AM, et al. **J Biomech Eng** 1983 Aug;105(3):237–43

Electrical impedance imaging of the thorax. Kim Y, et al. **J Microwave Power** 1983 Sep;18(3):245–57

The feasibility of fast backprojection for reconstrucuing a volume NMR image. Lai CM. **J Phys [E]** 1983 Dec; 16(12):1180–2

Diagnostic procedures in the evaluation of hepatic diseases. Nuclear magnetic resonance tomographic imaging. Smith FW. **Lab Res Methods Biol Med** 1983;7:355–67 (21 ref.)

A new fast algorithm for the evaluation of regions of interest and statistical uncertainty in computed tomography. Huesman RH. **Phys Med Biol** 1984 May;29(5):543–52

Calibration of proton density measurements in nuclear magnetic resonance imaging. Leraki RA, et al. **Phys Med Biol** 1984 Mar;29(3):271–6

Image restoration from non-uniform magnetic field influence for direct Fourier NMR imaging. Sekihara K, et al. **Phys Med Biol** 1984 Jan;29(1):15–24

Diagnostic efficacy of endoscopic ultrasound tomography in pancreatic cancer and cholestasis. Strohm WD, et al. **Scand J Gastroenterol [Suppl]** 1984;102:18–23

Simultaneous algebraic reconstruction technique (SART): a superior implementation of the art algorithm. Andersen AH, et al. **Ultrasonic Imaging** 1984 Jan;6(1):81–94

Diffraction tomography using arbitrary transmitter and receiver surfaces. Devaney AJ, et al. **Ultrasonic Imaging** 1984 Apr;6(2):181–93

Inverse scattering solutions by a sinc basis, multiple source, moment method—Part III: Fast algorithms. Johnson SA, et al. **Ultrasonic Imaging** 1984 Jan;6(1):103–16

Diffraction tomography using beam waves: z-average reconstruction. Lu ZQ, et al. **Ultrasonic Imaging** 1984 Jan; 6(1):95–102

[A case of leiomyosarcoma of the stomach in which diagnosis echotomographic study made a contribution] Vŭrbanov G, et al. **Vutr Boles** 1983;22(1):86–91 (Eng. Abstr.) **(Bul)**

[Ultrasonic cerebral tomosphygmography and cerebral perfusion pressure] Lajoix M, et al. **Agressologie** 1983 Oct; 24(9):425–7 (Eng. Abstr.) **(Fre)**

[Nuclear magnetic resonance tomography] Ganssen A, et al. **Computertomographie** 1981 Apr;1(1):2–10 (Eng. Abstr.) **(Ger)**

[Results of ultrasonic tomography in the diagnosis of gastrointestinal diseases] Busse HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):241–5 (Eng. Abstr.) **(Ger)**

[Intrauterine ultrasonic tomography] Hötzinger H, et al. **ROFO** 1984 Jan;140(1):66–8 (Eng. Abstr.) **(Ger)**

[Experience with NMR tomography of the skeletal system] Reiser M, et al. **ROFO** 1983 Oct;139(4):365–72 (Eng. Abstr.) **(Ger)**

[Clinicoradiologic significance of different study parameters in NMR tomography of the abdomen] Rupp N, et al. **ROFO** 1983 Oct;139(4):359–65 (Eng. Abstr.) **(Ger)**

[Human testing of the nuclear spin tomographic contrast medium gadolinium-DTPA. Tolerance, contrast affect and the 1st clinical results] Schörner W, et al. **ROFO** 1984 May; 140(5):493–500 (Eng. Abstr.) **(Ger)**

[ECG-triggered NMR tomography of the heart] Zeitler E, et al. **ROFO** 1984 May;140(5):487–93 (Eng. Abstr.) **(Ger)**

[Immersion echotomography of the breast] Verrengia D, et al. **Minerva Ginecol** 1984 Jun;36(6):331–8 (Eng. Abstr.) **(Ita)**

[Three-dimensional reconstruction of the left ventricle from two-dimensional echocardiograms] Asada N, et al. **Iyodenshi To Seitai Kogaku** 1984 Feb;22(1):19–24 (Eng. Abstr.) **(Jpn)**

[Color-specified ultrasonotomography for high gradation display] Itoh M, et al. **Iyodenshi To Seitai Kogaku** 1983 Feb;21(1):31–5 (Eng. Abstr.) **(Jpn)**

[Clinical application of nuclear magnetic resonance computed tomography (NMR-CT) in urology (preliminary report)] Hara T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):215–21 (Eng. Abstr.) **(Jpn)**

[Three-dimensional urethral pressure profile. III. Development of urethral pressure tomography] Morita T. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):263–8 (Eng. Abstr.) **(Jpn)**

[Postoperative evaluation and diagnosis of a case with bladder neck contracture by combined ultrasonotomography and urodynamic monitoring] Nishizawa O, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1765–71 (Eng. Abstr.) **(Jpn)**

[Progress in cardiac echotomography] Tanaka M. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):685–91 **(Jpn)**

[Principles of NMR-CT and instrumentation] Yamada Y. **Nippon Rinsho** 1983 Jul;41(7):1510–7 **(Jpn)**

[Two-dimensional ultrasonography of the brain in infancy: its application to the diagnosis of intracranial disorders] Yano S, et al. **No To Hattatsu** 1984;16(2):113–21 **(Jpn)**

[Ultrasonographic studies of the gallbladder function in gastrectomized patients] Utsumi K, et al. **Rinsho Byori** 1984 Mar;32(3):304–8 **(Jpn)**

[Determination of the dimensions of the heart in experimental animals using tomography based on the principle of nuclear magnetic resonance] Belenkov IuN, et al. **Kardiologiia** 1984 Jun;24(6):16–8 (Eng. Abstr.) **(Rus)**

[Clinical use of computer echotomography] Bogin IuN, et al. **Klin Med (Mosk)** 1984 Mar;62(3):22–6 **(Rus)**

[Experience in using echotomography in planning the irradiation of cervical cancer patients] Spasokukotskaia ON, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):64–7 (Eng. Abstr.) **(Rus)**

[Experience in using NMR-tomography] Belenkov IuN, et al. **Ter Arkh** 1984;56(2):108–10 (Eng. Abstr.) **(Rus)**

[Nuclear magnetic (radiofrequency) tomography] Pavlov AS, et al. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):55–61 (Eng. Abstr.) **(Rus)**

[Ultrasound tomography in the topical diagnosis and evaluation of results in the treatment of patients with stage III and IV ovarian cancer] Bal'ter SA, et al. **Vopr Onkol** 1984;30(1):65–71 (Eng. Abstr.) **(Rus)**

TRENDS

Improved diagnostic imaging in joint diseases. Seltzer SE, et al. **Semin Arthritis Rheum** 1982 Feb;11(3):315–30 (91 ref.)

TOMOGRAPHY, EMISSION COMPUTED

In vivo measurements of regional cerebral blood flow and blood volume in patients with brain tumours using positron emission tomography. Lammertsma AA, et al. **Acta Neurochir (Wien)** 1983;69(1–2):5–13

Cerebral blood volume, blood flow, and oxygen metabolism in cerebral ischaemia and subarachnoid haemorrhage: an in-vivo study using positron emission tomography. Martin WR, et al. **Acta Neurochir (Wien)** 1984;70(1–2):3–9

Emission tomography in femoral neck fracture for evaluation of avascular necrosis. Strömqvist B, et al. **Acta Orthop Scand** 1983 Dec;54(6):872–7

Value of tomographic section views in identifying liver abnormalities by scintigraphy. Reid A, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):107–11

Non-uniformity induced artifacts in single-photon emission computed tomography. Axelsson B, et al. **Acta Radiol [Oncol]** 1983;22(3):215–24

Positron emission tomography of regional tissue function in man. Lammertsma AA. **Acta Radiol [Suppl] (Stockh)** 1983; 365:65–6

Positron emission tomography for quantitative in vivo studies of neurotransmitter kinetics: a critical evaluation. Greitz T. **Adv Biochem Psychopharmacol** 1984;39:69–78

Changing topographic patterns of human cerebral blood flow with age measured by xenon CT. Tachibana H, et al. **AJR** 1984 May;142(5):1027–34

PET provides new answers to old questions [news] **Am Fam Physician** 1983 Oct;28(4):345–6, 348

Measurement of infarct size in acute canine myocardial infarction by single-photon emission computed tomography with technetium-99m pyrophosphate. Lewis SE, et al. **Am J Cardiol** 1984 Jul 1;54(1):193–9

Detection and quantification of previous myocardial infarction by exercise-redistribution tomographic thallium-201 scintigraphy. Massie BM, et al. **Am J Cardiol** 1984 May 1;53(9):1244–9

Stress scintigraphy using single-photon emission computed tomography in the evaluation of coronary artery disease. Nohara R, et al. **Am J Cardiol** 1984 May 1;53(9):1250–4

Determination of left ventricular mass by single-photon emission computed tomography with thallium-201. Wolfe CL, et al. **Am J Cardiol** 1984 May 1;53(9):1365–8

NIH Conference. Brain imaging: aging and dementia. Cutler NR, et al. **Ann Intern Med** 1984 Sep;101(3):355–69

Research issues in positron emission tomography. Proceedings of a conference sponsored by the National Institute of Neurological and Communicative Disorders and Stroke. National Institutes of Health, Bethesda, Maryland, June 16–17, 1983. **Ann Neurol** 1984;15 Suppl:S1–204

Positron imaging in ischemic stroke disease. Ackerman RH, et al. **Ann Neurol** 1984;15 Suppl:S126–30

Positron emission tomographic image measurement in schizophrenia and affective disorders. Buchsbaum MS, et al. **Ann Neurol** 1984;15 Suppl:S157–65

Gilles de la tourette syndrome: studies with the fluorine-18-labeled fluorodeoxyglucose positron emission tomographic method. Chase TN, et al. **Ann Neurol** 1984; 15 Suppl:S175

Regional cortical dysfunction in Alzheimer's disease as determined by positron emission tomography. Chase TN, et al. **Ann Neurol** 1984;15 Suppl:S170–4

The use of positron emission tomographic scanning in epilepsy. Engel J Jr. **Ann Neurol** 1984;15 Suppl:S180–91

Functional evaluation of the blood-brain barrier using positron emission tomography. Lockwood AH. **Ann Neurol** 1984;15 Suppl:S103–6

A quantitative model for the in vivo assessment of drug binding sites with positron emission tomography. Mintun MA, et al. **Ann Neurol** 1984 Mar;15(3):217–27

Pure hemidystonia with basal ganglion abnormalities on positron emission tomography. Perlmutter JS, et al. **Ann Neurol** 1984 Mar;15(3):228–33

Criteria for the tracer kinetic measurement of cerebral protein synthesis in humans with positron emission tomography. Phelps ME, et al. **Ann Neurol** 1984;15 Suppl:S192–202

Parkinson's disease: metabolic and pharmacological approaches with positron emission tomography. Raichle ME, et al. **Ann Neurol** 1984;15 Suppl:S131–2

Dynamic measurements of local blood flow and metabolism in the study of higher cortical function in humans with positron emission tomography. Raichle ME, et al. **Ann Neurol** 1984;15 Suppl:S48–9

Positron emission tomographic studies of perceptual tasks. Reivich M, et al. **Ann Neurol** 1984;15 Suppl:S61–5

In vivo measurement of regional brain tissue pH using positron emission tomography. Rottenberg DA, et al. **Ann Neurol** 1984;15 Suppl:S98–102

Tissue acid-base balance and oxygen metabolism in human cerebral infarction studied with positron emission tomography. Syrota A, et al. **Ann Neurol** 1983 Oct; 14(4):419–28

The role of positron emission tomography in the evaluation of seizure disorders. Theodore WH, et al. **Ann Neurol** 1984; 15 Suppl:S176–9

The fluorodeoxyglucose 18F scan in Alzheimer's disease and multi-infarct dementia. Benson DF, et al. **Arch Neurol** 1983 Nov;40(12):711–4

Determination of regional cerebral blood flow in patients with cerebral infarction. Use of fluoromethane labeled with fluorine 18 and positron emission tomography. Celesia GG, et al. **Arch Neurol** 1984 Mar;41(3):262–7

Cerebral perfusion imaging with iodine 123-labeled amines. Holman BL, et al. **Arch Neurol** 1984 Oct;41(10):1060–3

Spect: a new direction for nuclear medicine. Henry RE, et al. **Ariz Med** 1984 Jun;41(6):398–401

Correlational methods for determining regional coupling of cerebral glucose metabolism: a pilot study. Clark CM, et al. **Biol Psychiatry** 1984 May;19(5):663–78

Emission computed tomography with technetium-99m pyrophosphate for delineating location and size of acute myocardial infarction in man. Tamaki S, et al. **Br Heart J** 1984 Jul;52(1):30–7

Liquid flood phantom uniformity variation [letter] Mills JA, et al. **Br J Radiol** 1983 Nov;56(671):895–6

Cerebral glucose utilization, as measured with positron emission tomography in 21 resting healthy men between the ages of 21 and 83 years. Duara R, et al. **Brain** 1983 Sep;106 (Pt 3):761–75

Regional cerebral blood flow during migraine attacks by Xenon-133 inhalation and emission tomography. Lauritzen M, et al. **Brain** 1984 Jun;107 (Pt 2):447–61

Correlations of glucose metabolism and structural damage to language function in aphasia. Metter EJ, et al. **Brain Lang** 1984 Mar;21(2):187–207

Central dopaminergic pathways in hemiparkinsonism examined by positron emission tomography. Garnett ES, et al. **Can J Neurol Sci** 1984 Feb;11(1 Suppl):174–9

Tomographic determination of cerebral blood flow during attacks of cluster headache. Krabbe AA, et al. **Cephalalgia** 1984 Mar;4(1):17–23

Improvement of regional myocardial metabolism after coronary thrombolysis induced with tissue-type plasminogen activator or streptokinase. Sobel BE, et al. **Circulation** 1984 May;69(5):983–90

Positron emission tomography of the brain: measurement of regional cerebral function in man. Lammertsma AA. **Clin Neurol Neurosurg** 1984;86(1):1–11 (76 ref.)

Diagnostic value of SPECT in a case of lower neck uptake on bone scan. Mortelmans LA, et al. **Clin Nucl Med** 1983 Dec;8(12):616–7

Recognition of metastatic bone disease in cancer of the breast by computed tomography. Durning P, et al. **Clin Oncol** 1983 Dec;9(4):343–6

A look at anatomical and physiological brain images. Bergstrom M, et al. **Dimens Health Serv** 1983 Nov;60(11):36

In vivo estimation of renal volume using a rotating gamma camera for 99mTc-dimercaptosuccinic acid renal imaging. Kawamura J, et al. **Eur J Nucl Med** 1984;9(4):168–72

Tumor detection with carbon-11-labelled amino acids. Kubota K, et al. **Eur J Nucl Med** 1984;9(3):136–40

Experimental pancreas imaging study with 13N-glutamate using positron computer tomography. Kubota K, et al. **Eur J Nucl Med** 1983;8(12):528–30

Quantification of regional extravascular lung water in dogs with positron emission tomography, using constant infusion of 15O-labeled water. Meyer GJ, et al. **Eur J Nucl Med** 1984;9(5):220–8

PET tomography in studies of distributions of 7.6-min potassium 38 in the dog heart. Myers WG, et al. **Eur J Nucl Med** 1984;9(6):272–7

Segmental assessment on ordinary scintigrams and SPECT images of the liver. Oyamada H, et al. **Eur J Nucl Med** 1984;9(4):161–7

Positron CT imaging using a high resolution PCT device

(Positologica-I), 11CO, 13NH3, and 18FDG in clinical evaluation of cerebrovascular diseases. Shishido F, et al. **Eur J Nucl Med** 1984;9(6):265-71

Measurement of intracranial blood volume by gamma camera emission tomography. Zwetnow NN, et al. **Eur Surg Res** 1984;16 Suppl 2:162-8

Hepatic imaging: positron emission tomography, digital angiography, and nuclear magnetic resonance imaging. Aisen AM, et al. **Hepatology** 1983 Nov-Dec;3(6):1024-30

Functional cardiac imaging: positron emission tomography. Mullani NA, et al. **Hosp Pract [Off]** 1984 Feb;19(2):103-7, 113-8

Cardiovascular imaging: the biochemical basis. Taegtmeyer H. **Hosp Pract [Off]** 1984 Jun;19(6):137-41, 147-55

Imaging CNS receptors: the dopaminergic system. Wagner HN Jr. **Hosp Pract [Off]** 1984 Jun;19(6):187-91, 195-8, 202

Quantitation of perfused myocardial mass using Tl-201 and emission corrupted tomography. Holman BL, et al. **Invest Radiol** 1983 Jul-Aug;18(4):322-6

Computerized angioscintigraphy and ultrasound imaging in the management of renal transplants. Carmellini M, et al. **Ital J Surg Sci** 1984;14(1):59-63

Quantitative analysis of seven-pinhole tomographic thallium-201 scintigrams: improved sensitivity and estimation of the extent of coronary involvement by evaluation of radiotracer uptake and clearance. Massie BM, et al. **J Am Coll Cardiol** 1984 May;3(5):1178-86

The use of computed tomography in medical imaging. Alex MJ. **J Biol Photogr** 1984 Apr;52(2):27-32

Strategy for the measurement of regional cerebral blood flow using short-lived tracers and emission tomography. Alpert NM, et al. **J Cereb Blood Flow Metab** 1984 Mar;4(1):28-34

Local interrelationships of cerebral oxygen consumption and glucose utilization in normal subjects and in ischemic stroke patients: a positron tomography study. Baron JC, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):140-9

Measurement of regional cerebral pH in human subjects using continuous inhalation of 11CO2 and positron emission tomography. Brooks DJ, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):458-65

Measurement of brain pH using 11CO2 and positron emission tomography. Buxton RB, et al. **J Cereb Blood Flow Metab** 1984 Mar;4(1):8-16

Regional kinetic constants and cerebral metabolic rate for glucose in normal human volunteers determined by dynamic positron emission tomography of [18F]-2-fluoro-2-deoxy-D-glucose. Heiss WD, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):212-23

On the uniqueness of cerebral blood flow measured by the in vivo autoradiographic strategy and positron emission tomography. Howard BE, et al. **J Cereb Blood Flow Metab** 1983 Dec;3(4):432-41

Alternative approach to single-scan estimation of cerebral glucose metabolic rate using glucose analogs, with particular application to ischemia. Hutchins GD, et al. **J Cereb Blood Flow Metab** 1984 Mar;4(1):35-40

Measurement of cerebral blood flow using bolus inhalation of C15O2 and positron emission tomography: description of the method and its comparison with the C15O2 continuous inhalation method. Kanno I, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):224-34

Measurement of blood-brain barrier permeability with positron emission tomography and [68Ga]EDTA. Kessler RM, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):323-8

In vivo measurement of regional cerebral haematocrit using positron emission tomography. Lammertsma AA, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):317-22

Crossed cerebellar diaschisis in ischemic stroke: a study of regional cerebral blood flow by 133Xe inhalation and single photon emission computerized tomography. Meneghetti G, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):235-40

Evaluation of [18F]-4-fluoroantipyrine as a new blood flow tracer for multiradionuclide autoradiography. Sako K, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):259-63

Error analysis of the double-integral method for calculating brain blood perfusion from inert gas clearance data. Smith GT, et al. **J Cereb Blood Flow Metab** 1984 Mar;4(1):61-7

Positron emission tomography and computed tomography assessments of the aging human brain. de Leon MJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):88-94

Metabolic imaging of the brain stem and spinal cord: studies with positron emission tomography using 18F-2-deoxyglucose in normal and pathological cases. Di Chiro G, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):937-45

Tomographic assessment of regional cerebral perfusion using intravenous I-123 HIPDM and a rotating gamma camera. Fazio F, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):911-21

Bitemporal hypometabolism in Creutzfeldt-Jakob disease measured by positron emission tomography with [18F]-2-fluorodeoxyglucose. Friedland RP, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):978-81

EM reconstruction algorithms for emission and transmission tomography. Lange K, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):306-16

A method for determining bone mineral content using Fourier image reconstruction and dual source technique. Larsson S, et al. **J Comput Assist Tomogr** 1978 Jul; 2(3):347-51

Peripheral and axial measurements of trabecular bone density in patients suspected of idiopathic vertebral osteoporosis. Bydder GM, et al. **J Comput Tomogr** 1983 Nov;7(4):357-61

Predictive value of perfusion defect size using N-isopropyl-(I-123)-p-iodoamphetamine emission tomography in acute stroke. Lee RG, et al. **J Neurosurg** 1984 Sep;61(3):449-52

Serial measurement of regional cerebral blood flow in patients with SAH using 133Xe inhalation and emission computerized tomography. Mickey B, et al. **J Neurosurg** 1984 May;60(5):916-22

The sources of overestimation in the quantification by SPECT of uptakes in a myocardial phantom: concise communication. Chang W, et al. **J Nucl Med** 1984 Jul; 25(7):788-91

Definition of hepatic tumor microcirculation by single photon emission computerized tomography (SPECT). Gyves JW, et al. **J Nucl Med** 1984 Sep;25(9):972-7

Measurements of regional tissue and blood-pool radiotracer concentrations from serial tomographic images of the heart. Henze E, et al. **J Nucl Med** 1983 Nov;24(11):987-96

Noncircular orbits in SPECT [letter] Knešaurek K. **J Nucl Med** 1984 May;25(5):632

Brain oxygen utilization measured with O-15 radiotracers and positron emission tomography. Mintun MA, et al. **J Nucl Med** 1984 Feb;25(2):177-87

Short-term thymidine uptake in normal and neoplastic tissues: studies for PET. Shields AF, et al. **J Nucl Med** 1984 Jul;25(7):759-64

Determination of organ volume by single photon emission tomography [letter] Söderborg B, et al. **J Nucl Med** 1983 Dec;24(12):1197-9

Computerized skeletal scintigraphy for assessment of mandibular asymmetry. Cisneros GJ, et al. **J Oral Maxillofac Surg** 1984 Aug;42(8):513-20

Positron emission tomography for in-vivo measurement of regional blood flow, oxygen utilisation, and blood volume in patients with breast carcinoma. Beaney RP, et al. **Lancet** 1984 Jan 21;1(8369):131-4

Cancer diagnosis with positron computed tomography and carbon-11-labelled L-methionine [letter] Kubota K, et al. **Lancet** 1983 Nov 19;2(8360):1192

Pre-synaptic and post-synaptic dopaminergic system in human brain [letter] Leenders KL, et al. **Lancet** 1984 Jul 14;2(8394):110-1

Positron emission tomographic studies on induced migraine [letter] Sachs H, et al. **Lancet** 1984 Aug 25;2(8400):465

15O positron emission tomographic scanning in predominantly never-treated acute schizophrenic patients. Sheppard G, et al. **Lancet** 1983 Dec 24-31; 2(8365-66):1448-52

The clinical significance of radionuclide bone and gallium scanning in osteomyelitis of the head and neck. Noyek AM, et al. **Laryngoscope** 1984 May;94(5 Pt 2 Suppl 34):1-21

Kinetics of in vivo binding of antagonist to muscarinic cholinergic receptor in the human heart studied by positron emission tomography. Syrota A, et al. **Life Sci** 1984 Aug 27;35(9):937-45

The necessity for correcting for cerebral atrophy in global positron emission tomography measurements. Herscovitch P, et al. **Monogr Neural Sci** 1984;11:93-7

Tomographic mapping of human cerebral metabolism: subcortical responses to auditory and visual stimulation. Mazziotta JC, et al. **Neurology (NY)** 1984 Jun;34(6):825-8

A cognitive-motor network demonstrated by positron emission tomography. Gur RC, et al. **Neuropsychologia** 1983;21(6):601-6

Positron emission tomography in the newborn: extensive impairment of regional cerebral blood flow with intraventricular hemorrhage and hemorrhagic intracerebral involvement. Volpe JJ, et al. **Pediatrics** 1983 Nov; 72(5):589-601

A study of the image discrepancies due to object time-dependence in transmission and emission tomography. Ip WR, et al. **Phys Med Biol** 1983 Aug;28(8):953-62

Blood flow in the feet of diabetic patients measured with a MWPC positron camera and inhalation of C15O2. Spinks TJ, et al. **Phys Med Biol** 1984 Jul;29(7):873-9

Cardiovascular imaging metabolic and functional. Gould KL, et al. **Physiologist** 1984 Feb;27(1):27-39

Single photon emission computed tomography and its application in the lung. Osborne DR, et al. **Radiol Clin North Am** 1983 Dec;21(4):789-800

Internal derangement of the temporomandibular joint: detection by single-photon emission computed tomography. Work in progress. Collier BD, et al. **Radiology** 1983 Nov;149(2):557-61

Volume and planar gated cardiac magnetic resonance imaging: a correlative study of normal anatomy with thallium-201 SPECT and cadaver sections. Go RT, et al. **Radiology** 1984 Jan;150(1):129-35

Osteoid osteoma: radionuclide diagnosis. Helms CA, et al. **Radiology** 1984 Jun;151(3):779-84

Imaging local brain function with emission computed tomography. Kuhl DE. **Radiology** 1984 Mar;150(3):625-31

Malignant external otitis: early scintigraphic detection. Strashun AM, et al. **Radiology** 1984 Feb;150(2):541-5

Positron-emission tomography. Ter-Pogossian MM, et al. **Sci Am** 1980 Oct;243(4):170-81

PET scan controversy aired [news] Fox JL. **Science** 1984 Apr 13;224(4645):143-4

Pet scan controversy [letter] Raichle ME, et al. **Science** 1984 Jun 1;224(4652):934

Emission tomography of the kidney. Teates CD, et al. **South Med J** 1983 Dec;76(12):1499-502

Stable xenon CT CBF measurements in prevalent cerebrovascular disorders (stroke). Meyer JS, et al. **Stroke** 1984 Jan-Feb;15(1):80-90

Regional cerebral blood flow in patients with transient ischemic attacks studied by Xenon-133 inhalation and emission tomography. Vorstrup S, et al. **Stroke** 1983 Nov-Dec;14(6):903-10

Emission and transmission tomography of the brain in cerebrovascular disease. Tsementzis SA, et al. **Surg Neurol** 1984 Apr;21(4):385-90

Gamma scintigraphic analysis of albumin flux in patients with acute respiratory distress syndrome. Sugerman HJ, et al. **Surgery** 1984 Jun;95(6):674-82

[Scintigraphic determination of metabolic disorders of the heart muscle in vivo] Duška F, et al. **Vnitr Lek** 1984 Apr; 30(4):378-82 (Eng. Abstr.) (Cze)

[Emission tomography of the heart in the diagnosis of acute myocardial infarct] Pöyhönen L, et al. **Duodecim** 1984; 100(5):265-70 (Eng. Abstr.) (Fin)

[Radioisotopic tomography in the study of cardiac function] Lorgeron JM, et al. **Arch Mal Coeur** 1984 Mar; 77(3):292-300 (Eng. Abstr.) (Fre)

[Myocardial tomoscintigraphy with technetium pyrophosphate in the diagnosis of recent infarction] Rosano JP, et al. **Arch Mal Coeur** 1984 Mar;77(3):301-6 (Eng. Abstr.) (Fre)

[Computed gamma-tomographic estimation of a hepatic weight index during liver regeneration] Joyeux H, et al. **Gastroenterol Clin Biol** 1984 Jun-Jul;8(6-7):507-11 (Eng. Abstr.) (Fre)

[Positron emission tomography in the physiopathological study of cerebral ischemia in man] Baron JC, et al. **Presse Med** 1983 Dec 29;12(48):3066-72 (39 ref.) (Eng. Abstr.) (Fre)

[Detection of tumors by radiolabelled monoclonal antibodies in tomoscintigraphy] Chatal JF. **Presse Med** 1983 Oct 29; 12(38):2361-3 (Fre)

[Application of computerized tomoscintigraphy in the detection of tumors using cobalt-57-marked bleomycin] Slosman D, et al. **Schweiz Med Wochenschr** 1984 Jul 28; 114(30):1052-7 (Eng. Abstr.) (Fre)

[Positron emission tomography as a quantitative imaging method for demonstrating regional brain metabolism] Heiss WD, et al. **Digitale Bilddiagn** 1984 Jun;4(2):37-45 (Eng. Abstr.) (Ger)

[Computed tomography—basic principles and outlook for related procedures] Pfeiler M, et al. **Morphol Med** 1983 Oct;3(3):117-24 (Eng. Abstr.) (Ger)

[Positron computed tomography: a new method for quantitative determination of cardiac metabolism, blood circulation and function. I. Technical and experimental bases] Schön HR, et al. **Nuklearmedizin** 1983 Aug; 22(4):171-80 (63 ref.) (Eng. Abstr.) (Ger)

[Evaluation of systemic lysis of acute myocardial infarct using radionuclide ventriculography and myocardial thallium scintigraphy with inclusion of SPECT] Mostbeck A, et al. **Radiobiol Radiother (Berl)** 1983;24(6):799-804 (Eng. Abstr.) (Ger)

[Noninvasive tomographic measurement of regional cerebral blood flow] Hedde JP, et al. **ROFO** 1984 Feb;140(2):128-35 (Eng. Abstr.) (Ger)

[Nuclear medicine] Furudate M, et al. **Hokkaido Igaku Zasshi** 1983 May;58(3):206-9 (Jpn)

[Detectability of stress-induced ischemic lesion in previous myocardial infarction using 201T1 myocardial single photon emission computed tomography] Futagami Y, et al. **J Cardiogr** 1983 Dec;13(4):821-32 (Eng. Abstr.) (Jpn)

[Stress thallium-201 myocardial emission CT: comparative evaluation with coronary arteriography and left ventriculography] Tamaki N, et al. **J Cardiogr** 1983 Dec; 13(4):789-96 (Eng. Abstr.) (Jpn)

[Evaluation of myocardial infarction by thallium emission computed tomography] Tamaki N, et al. **J Cardiogr** 1983 Mar;13(1):45-55 (Eng. Abstr.) (Jpn)

[Positron computed tomography for the assessment of myocardial infarction] Yoshida K, et al. **J Cardiogr** 1983 Dec;13(4):797-808 (Eng. Abstr.) (Jpn)

[A new method for analyzing the local cerebral metabolic rate of glucose using an 18FDG positron CT-image] Endo M, et al. **Kaku Igaku** 1983 Jun;20(5):699-702 (Eng. Abstr.) (Jpn)

[Usefulness and limitations of stress T1-201 myocardial single photon emission computed tomography in detecting multivessel disease in patients with previous myocardial infarction] Futagami Y, et al. **Kaku Igaku** 1983 Nov; 20(9):1339-48 (Eng. Abstr.) (Jpn)

[Clinical significance of stress-induced ST segment changes in patients with previous myocardial infarction: evaluation by 201Tl myocardial single photon emission computed tomography] Futagami Y, et al. **Kaku Igaku** 1984 Mar; 21(3):241-51 (Eng. Abstr.) (Jpn)

[Trial at segmental assessment of conventional scintigrams and SPECT images of the liver] Oyamada H, et al. **Kaku Igaku** 1983 Jul;20(6):785-94 (Eng. Abstr.) (Jpn)

[Single photon emission computed tomography (SPECT) in bone lesion] Sakata T, et al. **Kaku Igaku** 1983 Jun; 20(5):667-74 (Eng. Abstr.) (Jpn)

[Evaluation of a counting method for liver volume determination using single photon emission computed tomography] Senda K, et al. **Kaku Igaku** 1984 Apr;

21(4):297–304 (Eng. Abstr.) (Jpn)
[Cardiac emission computed tomography (ETC) using a rotating gamma camera. (6). Evaluation of stress and redistribution ECT imaging] Tamaki N, et al. **Kaku Igaku** 1983 Nov;20(9):1299–306 (Eng. Abstr.) (Jpn)
[Myocardial infarct size vs duration of coronary artery occlusion in patients with acute anterior myocardial infarction: assessment by thallium-201 emission tomography, gated cardiac pool study and CK-MB release] Tamaki S, et al. **Kokyu To Junkan** 1984 Mar;32(3):235–40 (Jpn)
[Local cerebral blood flow and oxygen metabolism in aneurysmal cases studied by positron CT. Preliminary report] Ishikawa M, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):309–15 (Eng. Abstr.) (Jpn)
[Positron CT and brain diseases (editorial)] Ishikawa M. **Nippon Geka Hokan** 1983 Jul 1;52(4):433–4 (Jpn)
[Comparative study of scintigraphy, single photon emission CT, and computed tomography in the evaluation of space occupying lesions of the liver] Dodo Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25; 44(1):61–72 (Eng. Abstr.) (Jpn)
[Positron emission CT images and metabolic information] Torizuka K, et al. **Nippon Rinsho** 1983 Jul;41(7):1698–714 (Jpn)
[Positron emission tomographic studies using C-11-glucose in normal aging and cerebrovascular dementia] Ujike T, et al. **No To Shinkei** 1984 Jun;36(6):559–66 (Eng. Abstr.) (Jpn)
[Measurement of the liver and spleen volume by single photon emission computed tomography] Hoshi H, et al. **Radioisotopes** 1984 Apr;33(4):203–6 (Eng. Abstr.) (Jpn)
[Emission CT] Torizuka K, et al. **Rinsho Hoshasen** 1980 Dec; 25(13):1343–56 (45 ref.) (Eng. Abstr.) (Jpn)
[A study on the functional lesions in 'ataxie optique de Garcin' by positron emission tomography (PET)] Kawamura M, et al. **Rinsho Shinkeigaku** 1984 Jan; 24(1):45–9 (Eng. Abstr.) (Jpn)
[Physical principles of tomographic imaging and its use in practice] Hupka S. **Bratisl Lek Listy** 1983 Dec;80(6):708–16 (Slo)
[Experimental evaluation of a tomographic system of the thorax by detection of the dispersion of technetium-99m radiation] Cuarón A, et al. **Arch Inst Cardiol Mex** 1983 Nov-Dec;53(6):485–8 (Eng. Abstr.) (Spa)

ECONOMICS

Cost analyses of positron emission tomography for clinical use. Evens RG, et al. **AJR** 1983 Nov;141(5):1073–6

INSTRUMENTATION

Instrumentation for positron emission tomography. Budinger TF, et al. **Ann Neurol** 1984;15 Suppl:S35–43
Dynamic cerebral positron emission tomographic studies. Ter-Pogossian MM, et al. **Ann Neurol** 1984;15 Suppl:S46–7
Cyclotrons, radionuclides, precursors, and demands for routine versus research compounds. Wolf AP. **Ann Neurol** 1984;15 Suppl:S19–24
A 6 mm collimator system for the EMI CT5000/5005 whole body scanner. Baldwin GN, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):372–4
Performance study of the PC-384 positron camera system for emission tomography of the brain. Litton J, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):74–87
Wedge-shaped BGO scintillation crystal for positron emission tomography: concise communication. Cho ZH, et al. **J Nucl Med** 1984 Aug;25(8):901–4
Angled-collimator SPECT (A-SPECT): an improved approach to cranial single photon emission tomography. Esser PD, et al. **J Nucl Med** 1984 Jul;25(7):805–9
The effect of collimators on the center of rotation in SPECT [letter] Farrell TJ, et al. **J Nucl Med** 1984 May;25(5):632–3
Simulated ECT of the left ventricle using rotating slant-hole collimator and two camera positions. Koral KF, et al. **J Nucl Med** 1984 Mar;25(3):343–51
Improved performance from modifications to the multidetector SPECT brain scanner. Moore SC, et al. **J Nucl Med** 1984 Jun;25(6):688–91
Performance of collimators used for tomographic imaging of I-123 contaminated with I-124. Polak JF, et al. **J Nucl Med** 1983 Nov;24(11):1065–9
Performance evaluation of SPRINT, a single photon ring tomography for brain imaging. Rogers WL, et al. **J Nucl Med** 1984 Sep;25(9):1013–8
High-resolution circular ring positron tomograph with dichotomic sampling: Dichotom-I. Cho ZH, et al. **Phys Med Biol** 1983 Nov;28(11):1219–34
The ramp injection of radiotracers for blood flow measurement by emission tomography. Duncan CC, et al. **Phys Med Biol** 1983 Aug;28(8):963–72
Realising the SPECT capability of a rotating gamma camera: an alternative approach. Morris PB, et al. **Phys Med Biol** 1984 Jun;29(6):733–7
An assessment of the physical properties of a multiplane tomographic imager. Zenari A, et al. **Phys Med Biol** 1983 Nov;28(11):1235–49
Improved interpretation of gated cardiac images by use of digital filters. Miller TR, et al. **Radiology** 1984 Sep; 152(3):795–800
[The positron camera in nuclear medicine: a tool in the service of physiology in healthy subjects and the sick] Lamoureux J. **Union Med Can** 1983 Oct;112(10):879–83 (Eng. Abstr.) (Fre)
[Conditions for testing the performance of a single photon emission computed tomography unit] **Radioisotopes** 1984 Mar;33(3):162–9 (Jpn)
[Characteristics of NaI detector in positron imaging device HEADTOME employing circular ring array] Miura S, et al. **Radioisotopes** 1984 May;33(5):262–8 (Eng. Abstr.) (Jpn)
[Performance of emission computed tomography using a rotating slant-hole collimator and portable camera] Saegusa K, et al. **Radioisotopes** 1984 Jan;33(1):30–3 (Jpn)
[Current status of X- and gamma-ray applications in the world (III). 5. Emission computed tomography] Tanaka E, et al. **Radioisotopes** 1983 Oct;32(10):516–24 (30 ref.) (Jpn)

METHODS

Potential applications of synchrotron radiation in clinical practice. Walstam R. **Acta Radiol [Suppl] (Stockh)** 1983; 365:38–42
Single-photon emission computed tomography of the normal liver. Carrasquillo JA, et al. **AJR** 1983 Nov;141(5):937–41
Recognition of regional hypertrophy in hypertrophic cardiomyopathy using thallium-201 emission-computed tomography: comparison with two-dimensional echocardiography. Suzuki Y, et al. **Am J Cardiol** 1984 Apr 1;53(8):1095–102
Positron emission tomographic studies in aging and cerebrovascular disease at Hammersmith hospital. Frackowiak RS, et al. **Ann Neurol** 1984;15 Suppl:S112–8
Emission tomographic measurement of local cerebral blood flow in humans by an in vivo autoradiographic strategy. Ginsberg MD, et al. **Ann Neurol** 1984;15 Suppl:S12–8
Human sensory stimulation and deprivation: positron emission tomographic results and strategies. Mazziotta JC, et al. **Ann Neurol** 1984;15 Suppl:S50–60
Positron emission tomographic study of affective disorders: problems and strategies. Phelps ME, et al. **Ann Neurol** 1984; 15 Suppl:S149–56
[18F]fluorodeoxyglucose positron emission tomography in refractory complex partial seizures. Theodore WH, et al. **Ann Neurol** 1983 Oct;14(4):429–37
Scintigraphic detection of occult hemorrhage using RBCs labeled in vitro with technetium Tc 99m sodium pertechnetate. Bunker SR, et al. **Arch Intern Med** 1983 May;143(5):1027–8
The application of single photon emission computed tomography to the diagnosis of ankylosing spondylitis of the spine. Jacobsson H, et al. **Br J Radiol** 1984 Feb; 57(674):133–40
Ventilation perfusion ratios of the normal supine lung using emission tomography. Lavender JP, et al. **Br J Radiol** 1984 Feb;57(674):141–6
Preliminary clinical images from a prototype positron camera. Ott RJ, et al. **Br J Radiol** 1983 Oct;56(670):773–6
A comparison between 180 degrees and 360 degrees data reconstruction in single photon emission computed tomography of the liver and spleen. Ott RJ, et al. **Br J Radiol** 1983 Dec;56(672):931–7
The spatial resolution of a rotating gamma camera tomographic facility. Webb S, et al. **Br J Radiol** 1983 Dec; 56(672):939–44
99mTc-pyrophosphate imaging in patients with acute myocardial infarction: comparison of planar imaging with single-photon tomography with and without blood pool overlay. Corbett JR, et al. **Circulation** 1984 Jun; 69(6):1120–8
Scintigraphic quantification of myocardial ischemia: a new approach. Massie BM, et al. **Circulation** 1983 Oct; 68(4):747–55
The use and impact of positron computed tomography scanning in epilepsy. Mazziotta JC, et al. **Epilepsia** 1984; 25 Suppl 2:S86–104 (89 ref.)
Factors influencing the quantification of valvular regurgitation by gated equilibrium radionuclide angiography. Berthout P, et al. **Eur J Nucl Med** 1984; 9(3):112–4
PET tomographic imaging of the human heart, pancreas, and liver with nitrogen-13 derived from [13N]-L-glutamate. Myers WG, et al. **Eur J Nucl Med** 1983;8(9):381–4
Segmental analysis of stress thallium myocardial emission tomography for localization of coronary artery disease. Tamaki N, et al. **Eur J Nucl Med** 1984;9(3):99–105
Clinical evaluation of 99mTc-pyrophosphate myocardial emission computed tomography: comparison with planar imaging. Tamaki N, et al. **Eur J Nucl Med** 1984;9(3):106–11
Evaluation of kidney grafts with 99mTc-methylene diphosphonate within 36 hours after transplantation: a marker of ischemic damage. Thomsen HS, et al. **Eur J Nucl Med** 1984;9(3):115–20
Cerebral blood flow imaging using single photon emitting radioisotopes. Lassen NA. **Eur J Radiol** 1983 Aug;3 Suppl 1:294–8
An automated quantitative analysis of ventilation-perfusion lung scintigrams. Burton GH, et al. **J Nucl Med** 1984 May; 25(5):564–70
Improved SPECT quantification using compensation for scattered photons. Jaszczak RJ, et al. **J Nucl Med** 1984 Aug;25(8):893–900
Two algorithms for use with an orthogonal-view coded-aperture system. Paxman RG, et al. **J Nucl Med** 1984 Jun;25(6):700–5
Single photon emission computerized tomography (SPECT) for estimates of liver and spleen volume. Strauss LG, et al. **J Nucl Med** 1984 Jan;25(1):81–5
Re: Time-of-flight positron-emission tomography status relative to conventional PET [letter] Ter-Pogossian MM, et al. **J Nucl Med** 1984 Jan;25(1):136–8
Assessment of regional cerebral reperfusion with SPECT and 123I-HIPDM in patients with EC-IC bypass. Fazio F, et al. **Monogr Neural Sci** 1984;11:98–103
A new method for the three-dimensional display of tomographic images. Gibson CJ. **Phys Med Biol** 1983 Oct; 28(10):1153–7
A general method for three-dimensional filter computation. Schorr B, et al. **Phys Med Biol** 1983 Sep;28(9):1009–19
A comparison of attenuation correction methods for quantitative single photon emission computed tomography. Webb S, et al. **Phys Med Biol** 1983 Sep;28(9):1045–56
Single photon emission computed tomograms of the liver: normal vascular intrahepatic structures. Pettigrew RI, et al. **Radiology** 1984 Jan;150(1):219–23
Of cerebral blood flow, stroke and SPECT. Ackerman RH. **Stroke** 1984 Jan-Feb;15(1):1–4
Assessment of regional cerebral blood flow (rCBF) in stroke using SPECT and N-isopropyl-(I-123)-p-iodoamphetamine (IMP). Hill TC, et al. **Stroke** 1984 Jan-Feb;15(1):40–5
Computed tomographic measurement of local cerebral blood flow by xenon enhancement. Segawa H, et al. **Stroke** 1983 May-Jun;14(3):356–62
[Cerebral emission computer tomography (SPECT) with 123I-labeled amphetamines] Biersack HJ, et al. **Dtsch Med Wochenschr** 1984 Jul 27;109(30):1155–9 (Eng. Abstr.) (Ger)
[133Xe-DSPECT (Dynamic Single Photon Emission CT). Results of a new noninvasive method for measuring regional cerebral blood flow (rCBF). Comparison with cranial angiography and transmission CT] Büll U, et al. **ROFO** 1983 Oct;139(4):351–8 (Eng. Abstr.) (Ger)
[Emission computed tomography of the left ventricle. Multiplanar ECG-triggered radionuclide ventriculography with a 7-pinhole collimator] Semmler W, et al. **ROFO** 1983 Oct;139(4):343–50 (Eng. Abstr.) (Ger)
[ECG-gated single photon emission computed tomography for thallium-201 myocardial imaging in patients with hypertrophic cardiomyophathy. Futagami Y, et al. **Kaku Igaku** 1983 Jun;20(5):633–40 (Eng. Abstr.) (Jpn)
[Evaluation of arbitrary tomographic images in 201 Tl myocardial ECT (emission computed tomography)] Inoue T, et al. **Kaku Igaku** 1983 Apr;20(3):277–87 (Eng. Abstr.) (Jpn)
[Phase analysis in gated blood pool tomography: detection of an accessory conduction pathway] Nakajima K, et al. **Kaku Igaku** 1984 Feb;21(2):133–9 (Eng. Abstr.) (Jpn)
[Measurement of organ volume by single photon emission computed tomography: a method of contour determination and its evaluation with phantom studies] Nakazawa K, et al. **Kaku Igaku** 1984 Jan;21(1):1–6 (Eng. Abstr.) (Jpn)
[Quantitative analysis of thallium myocardial emission CT (1). Normal thallium distribution] Tamaki N, et al. **Kaku Igaku** 1984 Jan;21(1):35–40 (Eng. Abstr.) (Jpn)
[Improvement of the reconstructed image of SPECT using a 2-D filter] Wani H, et al. **Kaku Igaku** 1983 Sep; 20(8):1215–7 (Jpn)
[Positron computed tomography of the heart] Yoshida K, et al. **Kokyu To Junkan** 1984 Mar;32(3):241–8 (Jpn)
[Quantitative study of single photon radionuclide computed tomography—delineation of body contours] Akiyama Y, et al. **Radioisotopes** 1983 Jul;32(7):323–9 (Eng. Abstr.) (Jpn)
[Emission computed tomography in pulmonology] Sergienko VB, et al. **Ter Arkh** 1984;56(3):122–5 (Eng. Abstr.) (Rus)

STANDARDS

Prospects for both precision and accuracy in positron emission tomography. Hoffman EJ, et al. **Ann Neurol** 1984; 15 Suppl:S25–34
Evaluation of the performance characteristics of the PC 4600 positron emission tomograph. Kearfott KJ, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):502–13
Analysis of emission tomographic scan data: limitations imposed by resolution and background. Kessler RM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):514–22
The measurement of resolution in single photon emission computerised tomography [letter] Leach MO, et al. **Phys Med Biol** 1984 Mar;29(3):282–4

TRENDS

Watching the brain think. Christensen B. **Hospitals** 1983 Nov 1;57(21):77–8

TOMOGRAPHY, POSITRON EMISSION see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, RADIONUCLIDE COMPUTED see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, TRANSMISSION see **TOMOGRAPHY,**

X-RAY

TOMOGRAPHY, TRANSMISSION COMPUTED see TOMOGRAPHY, X-RAY COMPUTED

TOMOGRAPHY, X-RAY

Conventional tomographic hilar anatomy emphasizing the pulmonary veins. Genereux GP. **AJR** 1983 Dec; 141(6):1241–57

Axillary arthrotomography of the glenoid labrum. Kleinman PK, et al. **AJR** 1984 May;142(5):993–9

Detection of renal calculi: the value of tomography. Schwartz G, et al. **AJR** 1984 Jul;143(1):143–5

Management of patients with hyperprolactinemia and normal or abnormal tomograms. Kletzky OA, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):528–32

Conventional tomography and computed tomography for the diagnosis of fronto-basal fractures. Terrier F, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):391–9 **(Eng, Fre)**

Evaluation of tomography and mediastinoscopy for the detection of mediastinal lymph node metastases [editorial] Pearson FG. **Ann Thorac Surg** 1984 Jun;37(6):441–2

Evaluation of tomography and mediastinoscopy for the detection of mediastinal lymph node metastases. Thermann M, et al. **Ann Thorac Surg** 1984 Jun;37(6):443–7

Occult sternal metastasis identified by laminography in patients with chest pain. LaBan MM, et al. **Arch Phys Med Rehabil** 1984 Apr;65(4):203–4

Layer thickness in tomography. Kerrigan GC. **Australas Phys Eng Sci Med** 1984 Jan–Mar;7(1):19–23

The efficacy of routine whole lung tomography in germ cell tumors. Jochelson MS, et al. **Cancer** 1984 Sep 15; 54(6):1007–9

Arthrotomography of the wrist. The palmar radiocarpal ligaments. Berger RA, et al. **Clin Orthop** 1984 Jun; (186):224–9

A modified reconstruction filter for diverging X-ray beams. Truong TK, et al. **IEEE Trans Biomed Eng** 1983 Jul; 30(7):423–6

Computed tomography of the sacroiliac joints: comparison with complex-motion tomography. Firooznia H, et al. **J Comput Tomogr** 1984 Jan;8(1):31–9

Transaxial tomography: an alternative to computerized tomography in pediatric orthopedic problems. Zaleske DJ, et al. **J Pediatr Orthop** 1983 Nov;3(5):616–9

Polytomographic evaluation of the clivus and petrous apices: a new view. De la Cruz A. **Laryngoscope** 1984 Feb;94(2 Pt 1):153–64

Significance of tomography in Meniere's disease: visualization and morphology of the vestibular aqueduct. Hall SF, et al. **Laryngoscope** 1983 Dec;93(12):1546–50

Significance of tomography in Meniere's disease: periaqueductal pneumatization. Hall SF, et al. **Laryngoscope** 1983 Dec;93(12):1551–3

Panoramic zonography of the middle and inner ear. Archer A. **Radiography** 1984 May–Jun;50(591):107–9

Metrizamide canalography in the frontal projection. Curtin HD. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):401–2

The value of lateral tomography of the petrous bone in Ménière's disease. Hall SF, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):403–4

Panoramic zonography in the radiographic diagnosis of facial and related structures. A clinical study. Moilanen A, et al. **Rontgenblatter** 1984 Mar;37(3):95–9

[Tomography of the petrous portion of the temporal bone] He DJ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb; 18(1):52–4 (Eng. Abstr.) **(Chi)**

[Pantomography of the mandible and its clinical application] Ye XH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May; 17(2):102–6 (Eng. Abstr.) **(Chi)**

[Tomodensitometric exploration of the pelvis] Dondelinger R. **Bull Soc Sci Med Grand Duche Luxemb** 1983; 120(1):11–30 **(Fre)**

[Radiotomographic study of the posterior petrous bone and the glycerol test in Ménière's syndrome] Dauphin D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):405–9 (Eng. Abstr.) **(Fre)**

[The value of the principle of very early nephrotomography in ambulatory care] Sarbach B, et al. **Rev Med Suisse Romande** 1983 Jul;103(7):563–6 **(Fre)**

[Comparison of x-ray plain films, x-ray tomograms and computed tomograms in lung nodules in children and adolescents] Gürtler KF, et al. **ROFO** 1984 Apr; 140(4):416–20 (Eng. Abstr.) **(Ger)**

[Comparative studies on imaging artificial bone lesions—conventional tomography and computed tomography] Heller M, et al. **ROFO** 1984 Jun;140(6):631–8 (Eng. Abstr.) **(Ger)**

[Arthrotomography of the pathological temporomandibular joint. II] Katzberg RW, et al. **ROFO** 1984 Mar; 140(3):317–21 (Eng. Abstr.) **(Ger)**

[Status of sonography versus roentgen and computed tomography in the diagnosis of nephrocalcinosis] Schumacher R, et al. **ROFO** 1984 Jul;141(1):75–9 (Eng. Abstr.) **(Ger)**

[Tomographic ambiguities of the vascular regions in perivascular connective tissue lesions—presence of nodular shadows in the pulmonary field] Katagiri S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):646–52 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of zono- and tomography in the differential diagnosis of small spherical formations in the lungs] Romanychev IuA, et al. **Med Radiol (Mosk)** 1984 May;29(5):25–8 (Eng. Abstr.) **(Rus)**

[Zonography in acute respiratory diseases] Druzhinina VS, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):12–7 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Possibilities of short-time tomosynthesis] Vogel H, et al. **Rontgenblatter** 1983 Sep;36(9):294–8 (Eng. Abstr.) **(Ger)**

METHODS

Comparison of computed tomography and complex motion tomography in the evaluation of cholesteatoma. Shaffer KA. **AJR** 1984 Aug;143(2):397–400

Frontal tomography of articulating temporomandibular joint surfaces. Gusching AC. **Angle Orthod** 1983 Jul;53(3):234–9

Oriented lateral temporomandibular joint laminagraphs. Symptomatic and nonsymptomatic joints compared. Williams BH. **Angle Orthod** 1983 Jul;53(3):228–33

Stereoscopic calculation of tomographic cut level for intravenous cholangiography. Hurrell M. **Australas Radiol** 1983 Nov;27(3):263–5

Panoramic zonography in radiographing the carpus. Tötterman S, et al. **Eur J Radiol** 1984 Feb;4(1):82–3

The effects of the slit in orthopantomography. Report 2. Comparison between orthopantomography and ordinary tomography. Kimura K, et al. **J Nihon Univ Sch Dent** 1984 Mar;26(1):39–55

Tomographic exposure angle: a comparison of two tests. Milner SC, et al. **Radiography** 1984 Jul–Aug;50(592):177–9

The application of blurred undersubtraction in polytomography. Marlowe NA. **Radiol Technol** 1983 Jul–Aug;54(6):455–65

Upright tomographic oral cholecystography. Cockrell CH, et al. **Radiology** 1984 Jun;151(3):797

Tomosynthesis applied to digital subtraction angiography. Kruger RA, et al. **Radiology** 1984 Sep;152(3):805–8

Digital tomosynthesis: technique modifications and clinical applications for neurovascular anatomy. Maravilla KR, et al. **Radiology** 1984 Sep;152(3):719–24

Gated cardiac tomographic visualization of coronary artery calcification. Markivee CR, et al. **Radiology** 1984 Jul; 152(1):205–6

[Directly magnified tomography in the x-ray diagnosis and classification of changes in the sella turcica in intrasellar adenomas] Tomov A, et al. **Vutr Boles** 1983;22(1):82–6 (Eng. Abstr.) **(Bul)**

[Arthrotomography of the normal temporomandibular joint. Anatomy, technic and complications. I] Katzberg RW, et al. **ROFO** 1984 Feb;140(2):187–90 (Eng. Abstr.) **(Ger)**

[Sialographic study of the parotid glands with zonography] Bariatti M. **Minerva Stomatol** 1983 Jul–Aug;32(4):587–91 (18 ref.) (Eng. Abstr.) **(Ita)**

[Diagnostic efficacy of a precision tomographic method for studying the temporomandibular joint] Fava C, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):897–902 (Eng. Abstr.) **(Ita)**

[Nuclear magnetic resonance (NMR) tomography. A new diagnostic progress] Skalpe IO. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):253–4 (Eng. Abstr.) **(Nor)**

[Value of pantomography in the diagnosis of maxillary diseases] Józefowicz G. **Otolaryngol Pol** 1984;38(1):37–44 (Eng. Abstr.) **(Pol)**

[Contrast pantomography in the diagnosis of maxillary diseases] Józefowicz G, et al. **Otolaryngol Pol** 1984; 38(1):29–35 (Eng. Abstr.) **(Pol)**

[Optimal programs for the roentgenological examination of the skull] Golovach GG. **Sov Med** 1983;(12):95–7 **(Rus)**

[Temporomandibular joint study by panoramic tomography] Stepanova IG, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb; 63(1):61–2 (Eng. Abstr.) **(Rus)**

[Method for 1-stage tomography of the foramina jugulares] Golovach GG. **Vestn Rentgenol Radiol** 1983 May–Jun; (3):64–6 (Eng. Abstr.) **(Rus)**

TOMOGRAPHY, X-RAY COMPUTED

Relationship between the physiological cross-section of the human jaw muscles and their cross-sectional area in computer tomograms. Weijs WA, et al. **Acta Anat (Basel)** 1984;118(3):129–38

The differential diagnostic problems in unilateral euthyroid Graves' ophthalmopathy. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Aug;106(4):471–6

Computed tomography in the diagnosis of secondary-chronic osteomyelitis. Bešenski N, et al. **Acta Med Iugosl** 1984; 38(2):89–98

Computed tomography of neonatal intracranial lesions. Valjak B, et al. **Acta Med Iugosl** 1983;37(3):213–27

Computed tomographic arteriography in the diagnosis of hepatocellular carcinoma. Ito T, et al. **Acta Med Okayama** 1983 Dec;37(6):503–10

The value of CT scan in gunshot injuries of the brain. Bakay L. **Acta Neurochir (Wien)** 1984;71(3–4):189–204

The value of metrizamide CT cisternography in the diagnosis of CSF fistulae. Brandt F, et al. **Acta Neurochir (Wien)** 1983;69(1–2):37–42

Attenuation values of chronic subdural haematoma and subdural effusion in CT scans. Ito H, et al. **Acta Neurochir (Wien)** 1984;72(3–4):211–7

A simple three-dimensional display model based on recorded CT scan films for surgical reference technical note. Okudera H, et al. **Acta Neurochir (Wien)** 1984;71(1–2):47–53

Diagnosis of cavernous haemangiomas by computed tomography and angiography. Servo A, et al. **Acta Neurochir (Wien)** 1984;71(3–4):273–82

Review of 1,000 consecutive cases of severe head injury treated before the advent of CT scanning. Turazzi S, et al. **Acta Neurochir (Wien)** 1984;72(3–4):167–95

Correlations between echo-encephalographic and computer tomographic measures of third and lateral ventricle size in children and adults. Knibestöl M, et al. **Acta Neurol Scand** 1983 Nov;68(5):350–61 (11 ref.)

Diagnosis in utero of congenital hydrocephalus by sonography and computerized tomography. Olund A, et al. **Acta Obstet Gynecol Scand** 1983;62(4):325–7

Computerized tomography of malignant melanomas of the choroid. Alsbirk KE, et al. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):1087–98

The ethmoid labyrinth. An anatomical and radiological study. Bagatella F, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983; 403:suppl 3–19 (8 ref.)

Contribution by tomodensitometry to the understanding and diagnosis of benign non-epithelial endolaryngeal tumours. In connection with a case of chondroma, one of lipoma and one of rhabdomyoma. Remacle M, et al. **Acta Otorhinolaryngol Belg** 1983;37(6):820–9

A comparison of cerebral atrophy in CT scan findings among alcoholic groups. Ishii T. **Acta Psychiatr Scand [Suppl]** 1983;309:1–30

Value of computed tomography in traumatic pancreatitis in children. Ivancev K, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):441–4

Computed tomography of ovarian carcinoma. Kalovidouris A, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):203–8

Computed tomography versus aortography for preoperative evaluation of abdominal aortic aneurysm. Larsson EM, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):95–100

Lymphography in retroperitoneal metastases in non-seminoma testicular tumor patients with a normal CT scan. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(4):319–22

Comparison of ultrasound and CT images of liver metastases. Pamilo M, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(2):139–43

Intracranial hemorrhage in hemophilic children. CT follow-up. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):161–4

CT staging of oesophageal carcinoma. Samuelsson L, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):7–11

Localized fatty infiltration of the liver. CT demonstration of its disappearance on treatment. Sawada S, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):359–61

Computed tomography and angiography in carcinoid liver metastases. Smevik B, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):189–93

Cranio-caudal movements of the liver, pancreas and kidneys in respiration. Suramo I, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):129–31

Morphologic aspects of hepatic abscesses at computed tomography and ultrasound. Terrier F, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):129–37

Impact of CT-based treatment planning on radiation therapy of carcinoma of the bladder. Bentzen SM, et al. **Acta Radiol [Oncol]** 1984;23(2–3):199–203

User requirements on CT-based computed dose planning systems in radiation therapy. Dahlin H, et al. **Acta Radiol [Oncol]** 1983;22(5):397–415

Computed tomography of the abdomen. Rubenstein WA, et al. **Adv Surg** 1984;17:171–96

The value of modern non-invasive imaging techniques in the elderly. Willson SA, et al. **Age Ageing** 1984 Mar; 13(2):106–10

Holoprosencephaly classified by computed tomography. Altman NR, et al. **AJNR** 1984 Jul–Aug;5(4):433–7

CT of multiple intracranial cryptococcoma. Arrington JA, et al. **AJNR** 1984 Jul–Aug;5(4):472–3

Primary extradural intracranial hydatid disease: CT appearance. Ba'assiri A, et al. **AJNR** 1984 Jul–Aug; 5(4):474–5

Comparison of sonography and computed tomography in the study of orbital space-occupying lesions. Berges O, et al. **AJNR** 1984 May–Jun;5(3):247–51

Transient computed tomographic abnormalities after focal seizures. Dillon W, et al. **AJNR** 1984 Jan–Feb;5(1):107–9

Relative uptake of low- and high-osmolality contrast media in CT of brain tumors. Fike JR, et al. **AJNR** 1984 Jul–Aug; 5(4):413–7

Pituitary hyperplasia secondary to thyroid failure: CT appearance. Floyd JL, et al. **AJNR** 1984 Jul–Aug; 5(4):469–71

CT-guided biopsy for the detection and staging of tumors of the head and neck. Gatenby RA, et al. **AJNR** 1984 May–Jun;5(3):287–90

Value of sagittal sonography and direct sagittal CT of the Dandy-Walker syndrome. Groenhout CM, et al. **AJNR** 1984 Jul–Aug;5(4):476–7

CT of long-standing ankylosing spondylitis with cauda equina syndrome. Grosman H, et al. **AJNR** 1983 Sep–Oct; 4(5):1077–80

CT recognition of thorotrast-induced intracranial and lumbar arachnoiditis. Kaplan AW, et al. **AJNR** 1984 May–Jun;

5(3):323–5
Computed tomography of spinal cord necrosis from multiple sclerosis. Latack JT, et al. AJNR 1984 Jul–Aug;5(4):485–7
CT of venous angiomas of the brain. Lotz PR, et al. AJNR 1983 Sep–Oct;4(5):1124–6
CT of the abnormal pituitary stalk. Peyster RG, et al. AJNR 1984 Jan–Feb;5(1):49–52
CT of the normal pituitary stalk. Peyster RG, et al. AJNR 1984 Jan–Feb;5(1):45–7
Computed tomography of a false postoperative meningocele. Ramsey RG, et al. AJNR 1984 May–Jun;5(3):326–8
Cystic periventricular leukomalacia: sonographic and CT findings. Schellinger D, et al. AJNR 1984 Jul–Aug; 5(4):439–45
Metrizamide myelography and postmyelographic computed tomography: comparative adequacy in the cervical spine. Sobel DF, et al. AJNR 1984 Jul–Aug;5(4):385–90
CT scanning phantom for normalization of infant brain attenuation. Thompson JR, et al. AJNR 1984 Mar–Apr; 5(2):167–70
Desmoid tumor of the neck: CT and angiographic findings. Yang WC, et al. AJNR 1984 Jul–Aug;5(4):478–80
Value of metrizamide CT in the demonstration of spinal arachnoid cysts. Yang WC, et al. AJNR 1983 Sep–Oct; 4(5):1115–8
Computed tomography of spinal epidural hematoma. Zilkha A, et al. AJNR 1983 Sep–Oct;4(5):1073–6
Accessory fissures of the liver: CT and sonographic appearance. Auh YH, et al. AJR 1984 Sep;143(3):565–72
CT of the papillary process of the caudate lobe of the liver. Auh YH, et al. AJR 1984 Mar;142(3):535–8
Computed tomographic recognition of gastric varices. Balthazar EJ, et al. AJR 1984 Jun;142(6):1121–5
Preoperative diagnosis of the Mirizzi syndrome: limitations of sonography and computed tomography. Becker CD, et al. AJR 1984 Sep;143(3):591–6
Correlation of CT cerebral vascular territories with function: 3. Middle cerebral artery. Berman SA, et al. AJR 1984 May;142(5):1035–40
Percutaneous biopsy. Bernardino ME. AJR 1984 Jan; 142(1):41–5
Computed tomography of the asymptomatic postsurgical lumbar spine: analysis of the physiologic scar. Braun IF, et al. AJR 1984 Jan;142(1):149–52
Computed tomography, lymphography, and staging laparotomy: correlations in initial staging of Hodgkin disease. Castellino RA, et al. AJR 1984 Jul;143(1):37–41
CT evaluation of cardiophrenic angle lymph nodes in patients with malignant lymphoma. Cho CS, et al. AJR 1984 Oct; 143(4):719–21
Hyperdense renal masses: a computed tomographic dilemma. Coleman BG, et al. AJR 1984 Aug;143(2):291–4
CT appearance of thickened nerves in neurofibromatosis. Daneman A, et al. AJR 1983 Nov;141(5):899–900
Jugular foramen: anatomic and computed tomographic study. Daniels DL, et al. AJR 1984 Jan;142(1):153–8
Computed tomography of the liver: evaluating focal defects on radionuclide liver–spleen scans. Djang WT, et al. AJR 1984 May;142(5):937–40
CT features of rounded atelectasis of the lung. Doyle TC, et al. AJR 1984 Aug;143(2):225–8
Computed tomography of orbital myositis. Dresner SC, et al. AJR 1984 Sep;143(3):671–4
Paracardiac pseudotumor: a kymographic artifact of computed radiography. Ehrlich CP, et al. AJR 1984 May; 142(5):919–20
Occult neuroblastoma presenting with opsomyoclonus: utility of computed tomography. Farrelly C, et al. AJR 1984 Apr; 142(4):807–10
Computed tomographic findings in bowel infarction. Federle MP, et al. AJR 1984 Jan;142(1):91–5
The clinical value of body computed tomography over time and technologic change. Fineberg HV, et al. AJR 1983 Nov;141(5):1067–72
CT of lumbar spine disk herniation: correlation with surgical findings. Firooznia H, et al. AJR 1984 Mar;142(3):587–92
Computed tomography of neutropenic colitis. Frick MP, et al. AJR 1984 Oct;143(4):763–5
CT of abdominal lymphoma after renal transplantation. Frick MP, et al. AJR 1984 Jan;142(1):97–9
Computed tomography of axial skeletal osteoid osteomas. Gamba JL, et al. AJR 1984 Apr;142(4):769–72
Normal mediastinal lymph node size and number: CT and anatomic study. Genereux GP, et al. AJR 1984 Jun; 142(6):1095–100
The mediastinum in non-small cell lung cancer: CT–surgical correlation. Glazer GM, et al. AJR 1984 Jun;142(6):1101–5
Utility of CT in detecting postpneumonectomy carcinoma recurrence. Glazer HS, et al. AJR 1984 Mar;142(3):487–94
Thoracic biopsy: CT guidance of thin-needle aspiration. Gobien RP, et al. AJR 1984 Apr;142(4):827–30
CT of xanthogranulomatous pyelonephritis: radiologic–pathologic correlation. Goldman SM, et al. AJR 1984 May;142(5):963–9
CT of osteomyelitis of the spine. Golimbu C, et al. AJR 1984 Jan;142(1):159–63
CT findings in ulcerative, granulomatous, and indeterminate colitis. Gore RM, et al. AJR 1984 Aug;143(2):279–84
Improved technique for CT-guided celiac ganglia block. Haaga JR, et al. AJR 1984 Jun;142(6):1201–4
CT measurements of cranial growth: normal subjects. Hahn FJ, et al. AJR 1984 Jun;142(6):1253–5
The variable CT appearance of hepatic abscesses. Halvorsen RA, et al. AJR 1984 May;142(5):941–6
CT of benign cystic abdominal masses in children. Haney PJ, et al. AJR 1984 Jun;142(6):1279–81
CT of benign soft-tissue masses of the extremities. Heiken JP, et al. AJR 1984 Mar;142(3):575–80
Computed tomographic analysis of renal calculi. Hillman BJ, et al. AJR 1984 Mar;142(3):549–52
High-resolution CT of temporal bone trauma. Holland BA, et al. AJR 1984 Aug;143(2):391–5
Fluid levels in aneurysmal bone cysts: a CT feature. Hudson TM. AJR 1984 May;142(5):1001–4
Dermoid cyst of the floor of the mouth: CT appearance. Hunter TB, et al. AJR 1983 Dec;141(6):1239–40
Computed tomography of adult colonic intussusception: clinical and experimental studies. Iko BO, et al. AJR 1984 Oct;143(4):769–72
'Hot spot' in liver may represent collateral blood flow [letter] Ishikawa T. AJR 1984 Mar;142(3):649–50
Synovial sarcoma in childhood. Israels SJ, et al. AJR 1984 Apr;142(4):803–6
Comparison of CT and angiography in assessing resectability of pancreatic carcinoma. Jafri SZ, et al. AJR 1984 Mar; 142(3):525–9
Lymphadenopathy in celiac disease: computed tomographic observations. Jones B, et al. AJR 1984 Jun;142(6):1127–32
Upper abdominal trauma in children: imaging evaluation. Kaufman RA, et al. AJR 1984 Mar;142(3):449–60
Quantitative evaluation of fatty liver by computed tomography in rabbits. Kawata R, et al. AJR 1984 Apr; 142(4):741–6
The pelvis after surgery for rectal carcinoma: serial CT observations with emphasis on nonneoplastic features. Kelvin FM, et al. AJR 1983 Nov;141(5):959–64
Early CT findings of global central nervous system hypoperfusion. Kjos BO, et al. AJR 1983 Dec; 141(6):1227–32
Computed tomography and thin-section tomography in facial trauma. Kreipke DL, et al. AJR 1984 May;142(5):1041–5
Localization of islet cell tumors by dynamic CT: comparison with plain CT, arteriography, sonography, and venous sampling. Krudy AG, et al. AJR 1984 Sep;143(3):585–9
Hyperfunctioning cystic parathyroid glands: CT and sonographic findings. Krudy AG, et al. AJR 1984 Jan; 142(1):175–8
Specific CT findings in Krabbe disease. Kwan E, et al. AJR 1984 Sep;143(3):665–70
Computed tomography of the sacral plexus and sciatic nerve in the greater sciatic foramen. Lanzieri CF, et al. AJR 1984 Jul;143(1):165–8
CT of acquired cystic kidney disease and renal tumors in long-term dialysis patients. Levine E, et al. AJR 1984 Jan; 142(1):125–31
CT of primary germ-cell tumors of the mediastinum. Levitt RG, et al. AJR 1984 Jan;142(1):73–8
CT of mediastinal lymph nodes in lung cancer: is there a 'state of the art'? Libshitz HI. AJR 1983 Nov;141(5):1081–5
Pleuropancreatic fistula: endoscopic retrograde cholangiopancreatography and computed tomography. McCarthy S, et al. AJR 1984 Jun;142(6):1151–4
CT of acetabular fractures: postoperative appearances. Mack LA, et al. AJR 1983 Nov;141(5):891–4
Desmoid tumors in Gardner syndrome: use of computed tomography. Magid D, et al. AJR 1984 Jun;142(6):1141–5
Computed tomography of the spleen and liver in sickle cell disease. Magid D, et al. AJR 1984 Aug;143(2):245–9
Assessment of perfusion patterns during hepatic artery infusion chemotherapy: EOE-13 CT and 99mTc-MAA scintigraphy. Miller DL, et al. AJR 1984 Oct;143(4):827–31
A comparison of computed tomography and sonography in choledocholithiasis. Mitchell SE, et al. AJR 1984 Apr; 142(4):729–33
Evaluation of superior vena cava syndrome by axial CT and CT phlebography. Moncada R, et al. AJR 1984 Oct; 143(4):731–6
Computed tomography in the diagnosis of iatrogenic false aneurysms of the ascending aorta. Moore EH, et al. AJR 1984 Jun;142(6):1117–8
CT-guided needle placement in the central nervous system: results in 146 consecutive patients. Moran CJ, et al. AJR 1984 Oct;143(4):861–8
Iliopsoas abscess: treatment by CT-guided percutaneous catheter drainage. Mueller PR, et al. AJR 1984 Feb; 142(2):359–62
Computed tomographic analysis of urinary calculi. Newhouse JH, et al. AJR 1984 Mar;142(3):545–8
Spontaneous cyst rupture on renal CT. Nussbaum A, et al. AJR 1984 Apr;142(4):751–2
CT identification of bronchopulmonary segments: 50 normal subjects. Osborne D, et al. AJR 1984 Jan;142(1):47–52
Soft-tissue CT changes in pelvic venous thrombosis. Pawar SV, et al. AJR 1984 Sep;143(3):605–7
Computed tomography of abdominal carcinoid tumors. Picus D, et al. AJR 1984 Sep;143(3):581–4
Obscure pulmonary masses: bronchial impaction revealed by CT. Pugatch RD, et al. AJR 1983 Nov;141(5):909–14
Computed tomography of tibial plateau fractures. Rafii M, et al. AJR 1984 Jun;142(6):1181–6
CT of trauma to the abnormal kidney. Rhyner P, et al. AJR 1984 Apr;142(4):747–50
Mesenteric vein thrombosis: CT identification. Rosen A, et al. AJR 1984 Jul;143(1):83–6
CT diagnosis of ruptured abdominal aortic aneurysm. Rosen A, et al. AJR 1984 Aug;143(2):265–8
Usefulness of liposomes carrying losefamate for CT opacification of liver and spleen. Seltzer SE, et al. AJR 1984 Sep;143(3):575–9
Comparison of computed tomography and complex motion tomography in the evaluation of cholesteatoma. Shaffer KA. AJR 1984 Aug;143(2):397–400
Rupture of a coronary bypass graft aneurysm: CT evaluation and coil occlusion therapy. Shapeero LG, et al. AJR 1983 Nov;141(5):1060–2
Computed tomography in the evaluation of thyroid disease. Silverman PM, et al. AJR 1984 May;142(5):897–902
Computed tomography of ocular colobomas. Simmons JD, et al. AJR 1983 Dec;141(6):1223–6
Differentiation of complicated cholecystitis from gallbladder carcinoma by computed tomography. Smathers RL, et al. AJR 1984 Aug;143(2):255–9
Data-base management system on a CT scanner computer: application to teaching file and procedure records. Smith DF, et al. AJR 1984 Jun;142(6):1219–23
Percutaneous drainage of abdominal abscesses. Sones PJ. AJR 1984 Jan;142(1):35–9
CT of extracranial hemorrhage and hematomas. Swensen SJ, et al. AJR 1984 Oct;143(4):907–12
Intravenous contrast-enhanced CT of the postoperative lumbar spine: improved identification of recurrent disk herniation, scar, arachnoiditis, and diskitis. Teplick JG, et al. AJR 1984 Oct;143(4):845–55
Review. Computed tomography of the postoperative lumbar spine. Teplick JG, et al. AJR 1983 Nov;141(5):865–84 (26 ref.)
Computed tomography for staging esophageal and gastroesophageal cancer: reevaluation. Thompson WM, et al. AJR 1983 Nov;141(5):951–8
The bare area of the spleen: a constant CT feature of the ascitic abdomen. Vibhakar SD, et al. AJR 1984 May; 142(5):953–5
CT of the normal and abnormal parametria in cervical cancer. Vick CW, et al. AJR 1984 Sep;143(3):597–603
CT diagnosis of unsuspected pneumothorax after blunt abdominal trauma. Wall SD, et al. AJR 1983 Nov; 141(5):919–21
Posterior wall of the bronchus intermedius: radiographic–CT correlation. Webb WR, et al. AJR 1984 May;142(5):907–11
Sonography and computed tomography in the diagnosis of carcinoma of the gallbladder. Weiner SN, et al. AJR 1984 Apr;142(4):735–9
Computed tomography of the chest in small cell lung cancer: potential new prognostic signs. Whitley NO, et al. AJR 1984 May;142(5):885–92
CT of the hyperdense renal cyst: sonographic correlation. Zirinsky K, et al. AJR 1984 Jul;143(1):151–6
Peritonitis in a patient with hepatorenal syndrome. Rubin E, et al. Ala J Med Sci 1984 Apr;21(2):178–80
Imaging techniques and renal infections. Stein K, et al. Am Fam Physician 1984 Jun;29(6):135–45
Computerized tomography in chronic thromboembolic pulmonary hypertension. Kereiakes DJ, et al. Am Heart J 1983 Dec;106(6):1432–6
Abnormal abdominal computerized tomography with amiodarone therapy and clinical significance. Shenasa M, et al. Am Heart J 1984 May;107(5 Pt 1):929–33
Pulmonary density distribution in experimental and clinical cardiogenic pulmonary edema evaluated by computed transmission tomography. Slutsky RA, et al. Am Heart J 1984 Aug;108(2):401–7
In vivo assessment by computed tomography of the natural progression of infarct size, left ventricular muscle mass and function after acute myocardial infarction in the dog. Peck WW, et al. Am J Cardiol 1984 Mar 15;53(7):929–35
Lipomatous hypertrophy of the atrial septum: diagnosis by combined echocardiography and computerized tomography. Simons M, et al. Am J Cardiol 1984 Aug 1; 54(3):465–6
Quantification of body fat distribution in the abdomen using computed tomography. Grauer WO, et al. Am J Clin Nutr 1984 Apr;39(4):631–7
Radiological case of the month. Benign subdural effusion of infancy: a form of subdural hematoma? Hefelfinger DC, et al. Am J Dis Child 1984 Feb;138(2):197–8
Radiological case of the month. Hepatic and splenic candidiasis in acute leukemia. Sumner TE, et al. Am J Dis Child 1983 Dec;137(12):1193–4
Computed tomographic findings in akinetic mutism. Young RS, et al. Am J Dis Child 1984 Feb;138(2):166–7
Difference between in vivo and postmortem distances between anterior chest and heart surface. A combined autopsy and in vivo computerized tomography study. Ormstad K, et al. Am J Forensic Med Pathol 1984 Mar; 5(1):31–5
Clinical presentations of acute pancreatitis—the value of computed tomography. Epstein BM, et al. Am J Gastroenterol 1984 Jan;79(1):55–8
Computed tomography demonstration of pancreatic microcystic adenoma. Zirinsky K, et al. Am J Gastroenterol 1984 Feb;79(2):139–42
Intracranial myeloid metaplasia: diagnosis by CT and Fe52 scans and treatment by cranial irradiation. Cornfield DB, et al. Am J Hematol 1983 Nov;15(3):273–8
The value of computerised axial tomography in the assessment of workers exposed to asbestos. Sluis-Cremer

GK, et al. **Am J Ind Med** 1984;6(1):27–35
Empty sella of normal size in Sheehan's syndrome. Fleckman AM, et al. **Am J Med** 1983 Oct;75(4):585–91
Computed tomographic scanning versus radioisotope imaging in adrenocortical diagnosis. Guerin CK, et al. **Am J Med** 1983 Oct;75(4):653–7
Addison's disease with adrenal enlargement on computed tomographic scanning. Report on two cases of tuberculosis and review of the literature. McMurry JF Jr, et al. **Am J Med** 1984 Aug;77(2):365–8
Computerized axial tomography in the diagnosis and management of thyroid and parathyroid disorders. Blum M, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):34–9
Computed tomography in penetrating injury to the eye. Bhimani S, et al. **Am J Ophthalmol** 1984 May;97(5):583–6
Pneumolabyrinth: a new radiologic sign for fracture of the stapes footplate. Mafee MF, et al. **Am J Otol** 1984 Jul; 5(5):374–5
High-resolution computed tomography of the temporal bone: its role in the evaluation of middle ear disease. Virapongse C, et al. **Am J Otolaryngol** 1983 Mar–Apr;4(2):107–12
Computerized x-ray tomography of fossil hominid skulls. Wind J. **Am J Phys Anthropol** 1984 Mar;63(3):265–82
Computerized tomography and neuropsychological test measures in adolescents with obsessive-compulsive disorder. Behar D, et al. **Am J Psychiatry** 1984 Mar; 141(3):363–9
Changes in brain ventricular size with repeated CAT scans in suspected Alzheimer's disease. Brinkman SD, et al. **Am J Psychiatry** 1984 Jan;141(1):81–3
Computerized tomography in the evaluation of peroneal tendon dislocation. A report of two cases. Szczukowski M Jr, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):444–7
Surgical and computerized tomography guided drainage for intraabdominal abscess [editorial] Gerzof SG. **Am J Surg** 1984 Mar;147(3):426
Drainage of intraabdominal abscesses. A comparison of surgical and computerized tomography guided catheter drainage. Glass CA, et al. **Am J Surg** 1984 Mar;147(3):315–7
Stroke after carotid endarterectomy: risk as predicted by preoperative computerized tomography. Graber JN, et al. **Am J Surg** 1984 Apr;147(4):492–7
Computerized tomography in the evaluation of blunt abdominal trauma. Nelson EW, et al. **Am J Surg** 1983 Dec; 146(6):751–4
Avoidance of artifacts on computerized tomograms by selection of appropriate surgical clips. Weese JL, et al. **Am J Surg** 1984 May;147(5):684–7
Computed tomography of spinal and pelvic fractures. Suomalainen O, et al. **Ann Chir Gynaecol** 1983;72(6):337–41
Ultrasonography, arteriography and CT in the diagnosis of renal carcinoma. Leinonen A, et al. **Ann Clin Res** 1984;16 Suppl 40:27–30
Ultrasonography, computed tomography and arteriography in the evaluation of the local spreading of malignant renal neoplasm. Leinonen A, et al. **Ann Clin Res** 1984;16 Suppl 40:31–5
Normal pancreatic echogenicity: relation to structural unevenness and thickness in CT. Päivänsalo M. **Ann Clin Res** 1984;16 Suppl 40:69–71
Hypo-echogenic pseudolesions of the liver examined by CT. Päivänsalo M, et al. **Ann Clin Res** 1984;16 Suppl 40:41–3
Pseudotumours and insignificant tumours in US and CT examinations of the adrenal glands. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:36–40
Ultrasonographic diagnosis of pancreatic carcinoma supplemented with CT or ERCP. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:44–6
Relationships between computed tomography tissue areas, thicknesses and total body composition. Borkan GA, et al. **Ann Hum Biol** 1983 Nov–Dec;10(6):537–45
NIH Conference. Brain imaging: aging and dementia. Cutler NR, et al. **Ann Intern Med** 1984 Sep;101(3):355–69
Diagnosis of thromboembolic pulmonary hypertension [letter] Kereiakes DJ, et al. **Ann Intern Med** 1983 Dec; 99(6):880
Computed tomography in Alexander's disease. Farrell K, et al. **Ann Neurol** 1984 Jun;15(6):605–7
Value of computed tomographic scan in the evaluation of adult patients after their first seizure. Ramirez-Lassepas M, et al. **Ann Neurol** 1984 Jun;15(6):536–43
Computed tomography in acute hemorrhagic leukoencephalitis [letter] Rothstein TL, et al. **Ann Neurol** 1984 Mar;15(3):312
Nuclear magnetic resonance versus computerized tomographic enhancement imaging in multiple sclerosis: an apples and oranges comparison? [letter] Sears ES. **Ann Neurol** 1984 Mar;15(3):309–10
Effect of high-dose intravenous steroid administration on contrast-enhancing computed tomographic scan lesions in multiple sclerosis. Troiano R, et al. **Ann Neurol** 1984 Mar; 15(3):257–63
Acute hemorrhagic leukoencephalitis: diagnosis by computed tomography [letter] Watson RT, et al. **Ann Neurol** 1984 Jun;15(6):611–2
Computed axial tomography in ophthalmology. Grossniklaus H, et al. **Ann Ophthalmol** 1983 Oct;15(10):904–6
Computed tomographic evaluation of metatases to the orbit. Healy JF. **Ann Ophthalmol** 1983 Nov;15(11):1026–9
X-ray study of the month. Computed tomographic study of laryngeal cyst. Shagets FW, et al. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):410–2
Non-invasive imaging techniques in surgery. Khan O, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):127–34
Percutaneous phenol neurolysis of the lumbar sympathetic chain with computed tomography control. Dondelinger R, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):376–9
Computed tomography of the cranio-cervical junction in children. Harwood-Nash DC. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):235–41 **(Eng, Fre)**
Conventional tomography and computed tomography for the diagnosis of fronto-basal fractures. Terrier F, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):391–9 **(Eng, Fre)**
CT-evaluation of the pediatric mediastinum. Tschäppeler H. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):160–5 **(Eng, Fre)**
Computerized axial tomography of the esophagus to determine the suitability for blunt esophagectomy. Kron IL, et al. **Ann Surg** 1984 Aug;200(2):173–4
A prospective study comparing nuclear scintigraphy and computerized axial tomography in the initial evaluation of the trauma patient. Uthoff LB, et al. **Ann Surg** 1983 Nov; 198(5):611–6
Computed tomography for evaluation of mediastinal lymph nodes in lung cancer: correlation with surgical staging. Breyer RH, et al. **Ann Thorac Surg** 1984 Sep;38(3):215–20
Use of computed tomography to assess mediastinal complications after median sternotomy. Kay HR, et al. **Ann Thorac Surg** 1983 Dec;36(6):706–14
Pathologic anatomy and CT correlations in the glioblastoma multiforme. Burger PC. **Appl Neurophysiol** 1983; 46(1–4):180–7
Stereotactic neurosurgery and computerized tomographic scanning. Gildenberg PL. **Appl Neurophysiol** 1983; 46(1–4):170–9
Ventricle-brain ratio on computed tomographic scans [letter] Synek VM. **Arch Gen Psychiatry** 1984 Feb;41(2):210–1
Hemispheric asymmetries on computed tomographic scans in schizophrenia and mania. A controlled study and a critical review. Tsai LY, et al. **Arch Gen Psychiatry** 1983 Dec;40(12):1286–9
CNS lymphomatous deposits [letter] Dagi TF, et al. **Arch Neurol** 1984 Jan;41(1):13
Quantitative computed tomographic analysis in the diagnosis of dementia. Damasio H, et al. **Arch Neurol** 1983 Nov; 40(12):715–9
Computed tomographic patterns of muscles in neuromuscular diseases. Hawley RJ Jr, et al. **Arch Neurol** 1984 Apr; 41(4):383–7
Correlation of electromyography with computed tomography in evaluation of lower back pain. Khatri BO, et al. **Arch Neurol** 1984 Jun;41(6):594–7
Computed tomographic study of children with classic autism. Prior MR, et al. **Arch Neurol** 1984 May;41(5):482–4
The diagnostic assessment of single seizures. Is cranial computed tomography necessary? Russo LS Jr, et al. **Arch Neurol** 1983 Nov;40(12):744–6
Early computed tomographic abnormalities following profound cerebral hypoxia. Tippin J, et al. **Arch Neurol** 1984 Oct;41(10):1098–100
Optic nerve head drusen. High-resolution computed tomographic approach. Bec P, et al. **Arch Ophthalmol** 1984 May;102(5):680–2
Spinal fractures: results and experience with computer tomography. Crone-Münzebrock W, et al. **Arch Orthop Trauma Surg** 1984;103(1):36–41
Arytenoid dislocation and computed tomography. Dudley JP, et al. **Arch Otolaryngol** 1984 Jul;110(7):483–4
Metastatic neck disease. Evaluation by computed tomography. Friedman M, et al. **Arch Otolaryngol** 1984 Jul;110(7):443–7
Computed tomographic assessment of squamous cell carcinoma [letter] Little FB. **Arch Otolaryngol** 1984 Jun; 110(6):415
Computed tomography-guided aspiration cytologic examination in head and neck lesions. Ljung BM, et al. **Arch Otolaryngol** 1984 Sep;110(9):604–7
Computed tomography of upper aerodigestive tract squamous cell carcinoma. Assessment following induction chemotherapy. Schaefer SD, et al. **Arch Otolaryngol** 1984 Apr;110(4):236–40
Pars flaccida cholesteatoma as demonstrated by computed tomography. Swartz JD, et al. **Arch Otolaryngol** 1984 Aug; 110(8):515–7
Stroke rehabilitation: correlation and prognostic value of computerized tomography and sequential functional assessments. Hertanu JS, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):505–8
Computerized tomography head scans as predictors of rehabilitation outcome. Rao N, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):18–20
Physical properties of the human trunk as determined by computed tomography. Reid JG. **Arch Phys Med Rehabil** 1984 May;65(5):246–50
Femoral nerve dysfunction after retroperitoneal hemorrhage: pathophysiology revealed by computed tomography. Reinstein L, et al. **Arch Phys Med Rehabil** 1984 Jan; 65(1):37–40
Computerized tomography in tardive dyskinesia. Evidence of structural abnormalities in the basal ganglia system. Bartels M, et al. **Arch Psychiatr Nervenkr** 1983;233(5):371–9
Computerized tomographies of 34 patients at the chronic stage of acute carbon monoxide poisoning. Kono E, et al. **Arch Psychiatr Nervenkr** 1983;233(4):271–8
New computed tomographic signs of aortoenteric fistula. Kukora JS, et al. **Arch Surg** 1984 Sep;119(9):1073–5
Computerized axial tomography and diagnosis of multiple sclerosis. Bittencourt PR, et al. **Arq Neuropiquiatr** 1983 Jun;41(2):171–81
Computed tomography and conventional radiographs of the craniocervical region in rheumatoid arthritis. A comparison. Braunstein EM, et al. **Arthritis Rheum** 1984 Jan;27(1):26–31
Laryngeal involvement in rheumatoid arthritis. A clinical, laryngoscopic, and computerized tomographic study. Lawry GV, et al. **Arthritis Rheum** 1984 Aug;27(8):873–82
Computed tomography of intraperitoneal malignancy. Epstein RJ, et al. **Aust NZ J Med** 1984 Feb;14(1):13–8
The spread of oesophageal cancer: an evaluation of clinical, barium and computed tomography assessments. Mannell A, et al. **Aust NZ J Surg** 1984 Apr;54(2):119–26
Attenuation coefficient and atomic number calculation involving elements between hydrogen and zinc in the CT scanner energy range of 50 to 100 keV. Henson PW. **Australas Phys Eng Sci Med** 1983 Jan–Mar;6(1):20–5
A relationship between CT number, effective atomic number and electron density. Henson PW. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):69–73
Measurement of proptosis (exophthalmos) by computerised tomography. Gibson RD. **Australas Radiol** 1984 Feb; 28(1):9–11
Intraventricular brain tumors associated with tuberous sclerosis: clinical and radiographic characteristics. Khangure MS. **Australas Radiol** 1983 Jul;27(2):115–8
Statistical analysis of CT brain scans in the evaluation of cerebral atrophy and hydrocephalus. Oberthur J, et al. **Australas Radiol** 1983 Jul;27(2):106–14
Computed tomographic assessment of the mediastinum in patients with lung cancer. Shevland JE, et al. **Australas Radiol** 1983 Nov;27(3):240–5
Computed tomography in the assessment of peripheral arterial disease. Wright CH, et al. **Australas Radiol** 1983 Jul;27(2):174–7
Central brain morphology in chronic schizophrenic patients: a controlled CT study. Dewan MJ, et al. **Biol Psychiatry** 1983 Oct;18(10):1133–40
C.T. diagnosis: aneurysm of the right posterior communicating artery. Pagán-Saez H. **Bol Asoc Med PR** 1983 Dec;75(12):554–5
Computed tomographic assessment of coronary artery bypass grafts. Foster CJ, et al. **Br Heart J** 1984 Jul;52(1):24–9
Computed tomographic assessment of left ventricular aneurysms. Foster CJ, et al. **Br Heart J** 1984 Sep; 52(3):332–8
Computed tomographic appearances of cardiac amyloidosis. Sekiya T, et al. **Br Heart J** 1984 May;51(5):519–22
Computed tomography in patients with hypertrophic cardiomyopathy. Stone DL, et al. **Br Heart J** 1984 Aug; 52(2):136–9
The role of computed tomography in the detection of intrathoracic lymphoma. Gallagher CJ, et al. **Br J Cancer** 1984 May;49(5):621–9
Radiographic assessment of pleuropulmonary disease in asbestos workers: posteroanterior, four view films, and computed tomograms of the thorax. Bégin R, et al. **Br J Ind Med** 1984 Aug;41(3):373–83
Simultaneous computed tomography and sialography of the parotid and submandibular glands. Wiesenfeld D, et al. **Br J Oral Surg** 1983 Dec;21(4):268–76
Quantitative computed tomography in elderly depressed patients. Jacoby RJ, et al. **Br J Psychiatry** 1983 Aug; 143:124–7
The ventricular system in chronic schizophrenic patients. A controlled computed tomography study. Pandurangi AK, et al. **Br J Psychiatry** 1984 Feb;144:172–6
The use of the C.A.T. head scanner in clinical psychiatry. Roberts JK, et al. **Br J Psychiatry** 1984 Aug;145:152–8
The anatomy of the facial nerve in relation to CT/sialography of the parotid gland. Conn IG, et al. **Br J Radiol** 1983 Dec;56(672):901–5
The role of computed tomography in the management of children with advanced neuroblastoma. Golding SJ, et al. **Br J Radiol** 1984 Aug;57(680):661–6
A simulator-based CT system for radiotherapy treatment planning. Kotre CJ, et al. **Br J Radiol** 1984 Jul; 57(679):631–5
A comparison of computed tomography, ultrasound and scintigraphy in the diagnosis of alcoholic liver disease. Meek DR, et al. **Br J Radiol** 1984 Jan;57(673):23–7
Considerations of radiation dose in the management of intracranial abscesses by computed tomography. Moseley IF, et al. **Br J Radiol** 1984 Apr;57(676):303–7
Extravisceral diffuse infiltration of adult histiocytosis X demonstrated by CT. Mourad K, et al. **Br J Radiol** 1983 Nov;56(671):879–81
Long-term amiodarone therapy: a cause of increased hepatic attenuation on CT. Patrick D, et al. **Br J Radiol** 1984 Jul; 57(679):573–6
Postoperative evaluation of composite aortic grafts: comparison of angiography and CT. Probst P, et al. **Br J Radiol** 1983 Nov;56(671):797–804
Cystic lymphangiomas: CT diagnosis and thin needle aspiration. Sarno RC, et al. **Br J Radiol** 1984 May; 57(677):424–6
The pre-operative assessment of advanced gastric cancer by computed tomography. Dehn TC, et al. **Br J Surg** 1984

Jun;71(6):413–7
Computed tomography and transrectal ultrasound in the diagnosis of prostatic disease—a comparative study. Rickards D, et al. **Br J Urol** 1983 Dec;55(6):726–32
A female case of ornithine transcarbamylase deficiency with marked computed tomographic abnormalities of the brain. Takayanagi M, et al. **Brain Dev** 1984;6(1):58–60
Rediscovery of Leborgne's brain: anatomical description with CT scan. Signoret JL, et al. **Brain Lang** 1984 Jul; 22(2):303–19
Musculoskeletal applications for computed tomography. Rosenthal DI, et al. **Bull Rheum Dis** 1983;33(3):1–4 (52 ref.)
Esophageal cancer [letter] Reinig JW. **CA** 1984 Mar–Apr; 34(2):127–8
Correlation of computed tomography with surgical diagnosis in lumbar disc disease. Griebel R, et al. **Can J Neurol Sci** 1983 Nov;10(4):248–51
C.T. aided stereotaxy for depth electrode implantation and biopsy. Peters TM, et al. **Can J Neurol Sci** 1983 Aug; 10(3):166–9
Computed tomography in the evaluation of plexopathies and proximal neuropathies. Stewart JD, et al. **Can J Neurol Sci** 1983 Nov;10(4):244–7
Improved diagnostic accuracy in laryngeal cancer using a new classification based on computed tomography. Archer CR, et al. **Cancer** 1984 Jan 1;53(1):44–57
The computed tomography-guided adrenal biopsy. An alternative to surgery in adrenal mass diagnosis. Berkman WA, et al. **Cancer** 1984 May 15;53(10):2098–103
Sensitivity of chest radiography, computed tomography, and gallium scanning to metastasis of lung carcinoma. Friedman PJ, et al. **Cancer** 1984 Oct 1;54(7):1300–6
Preoperative staging of rectal cancer with computerized tomography. Accuracy, efficacy, and effect on patient management. Koehler PR, et al. **Cancer** 1984 Aug 1; 54(3):512–6
Efficacy of computed tomography in the management of cancer patients. Male RS, et al. **Cancer** 1983 Nov 1; 52(9):1604–8
Primary lymphoma of the central nervous system. Computerized tomography scan characteristics and treatment results for 12 cases. Mendenhall NP, et al. **Cancer** 1983 Dec 1;52(11):1993–2000 (38 ref.)
Non-small cell lung carcinoma adrenal metastases. Computed tomography and percutaneous needle biopsy in their diagnosis. Pagani JJ. **Cancer** 1984 Mar 1;53(5):1058–60
Spinal computed tomography scanning in the evaluation of metastatic disease. Redmond J 3d, et al. **Cancer** 1984 Jul 15;54(2):253–8
Transient neurologic disturbances, brain tumors, and normal computed tomography scans. Walker R, et al. **Cancer** 1983 Oct 15;52(8):1502–6
Aneurysm of an aberrant right subclavian artery—computed tomography. Lupetin AR. **Cardiovasc Intervent Radiol** 1984;7(2):84–6
Examination of the thoracic aorta by computed tomography. Godwin JD. **Chest** 1984 Apr;85(4):564–7
Computed tomographic scanning of the brain in initial staging of bronchogenic carcinoma. Hooper RG, et al. **Chest** 1984 Jun;85(6):774–6
Thoracic CT scanning in the staging of bronchogenic carcinoma. Richey HM, et al. **Chest** 1984 Feb;85(2):218–21
Angiography vs computed tomography in investigating abnormality of the inferior vena cava [letter] Rogol PR, et al. **Chest** 1983 Nov;84(5):649–50
CT findings of medulloblastoma. Tsuchida T, et al. **Childs Brain** 1984;11(1):60–8
The usefulness of x-ray computed tomography for the diagnosis of myocardial infarction. Masuda Y, et al. **Circulation** 1984 Aug;70(2):217–25
Computed tomography of the lung, pleura, and chest wall. Pugatch RD, et al. **Clin Chest Med** 1984 Jun;5(2):265–80 (42 ref.)
Computed tomography of the mediastinum. Shepard JO. **Clin Chest Med** 1984 Jun;5(2):291–305 (103 ref.)
EEG vs. computerized tomography of brain in neurological diagnosis. Sananman ML. **Clin Electroencephalogr** 1983 Jul; 14(3):116–29
The role of computerized axial tomography in the follow-up of patients with carcinoma of the ovary. Biondetti P, et al. **Clin Exp Obstet Gynecol** 1984;11(1–2):64–5
Computerized axial tomography in the evaluation of gynecologic pelvic masses. Vigo M, et al. **Clin Exp Obstet Gynecol** 1983;10(4):210–2
Computed tomography and scintigraphy of aldosteronoma. A comparative study. Machida K, et al. **Clin Nucl Med** 1983 Dec;8(12):610–2
The complementary roles of brain scintigraphy and computed tomography in multiple sclerosis. Moreno AJ, et al. **Clin Nucl Med** 1983 Dec;8(12):618–22
Mycotic aortic aneurysm diagnosed by In-111 leukocyte scintigraphy and computed tomography. Seabold JE, et al. **Clin Nucl Med** 1983 Oct;8(10):486–7
The role of CT scan of the brain in the pre-operative work-up of solitary lung metastases associated with colorectal cancer. Milstein D, et al. **Clin Oncol** 1983 Sep; 9(3):213–6
Pyogenic sacroiliitis. An absolute indication for computerized tomographic scanning. Rosenberg D, et al. **Clin Orthop** 1984 Apr;(184):128–32
Computerized tomography in the evaluation and classification of fractures of the acetabulum. St. Pierre RK, et al. **Clin Orthop** 1984 Sep;(188):234–7
Computed tomography of neuroblastic tumors in children. Faerber EN, et al. **Clin Pediatr (Phila)** 1984 Jan;23(1):17–21
Evaluation of the role of computed tomography in radiotherapy treatment planning. Adam EJ, et al. **Clin Radiol** 1984 Mar;35(2):147–50
Computed tomography of the heart: initial experience. Barter SJ, et al. **Clin Radiol** 1983 Nov;34(6):693–9
Computed tomography of sellar and parasellar lesions. Carr DH, et al. **Clin Radiol** 1984 Jul;35(4):281–6
Computed tomography in pre-operative assessment of bullous emphysema. Carr DH, et al. **Clin Radiol** 1984 Jan; 35(1):43–5
Computed tomographic observations in periaortitis: a hypothesis. Dixon AK, et al. **Clin Radiol** 1984 Jan; 35(1):39–42
Age-related changes in the abdominal aorta shown by computed tomography. Dixon AK, et al. **Clin Radiol** 1984 Jan;35(1):33–7
Computed tomography in cervical disc disease when myelography is unsatisfactory. Fon GT, et al. **Clin Radiol** 1984 Jan;35(1):47–50
Detection of pericardial heart disease by computed tomography. Gouliamos A, et al. **Clin Radiol** 1984 Sep; 35(5):397–400
Computed tomography of pararenal fluid collections in acute pancreatitis. Griffin JF, et al. **Clin Radiol** 1984 May; 35(3):181–4
Computed tomography of soft-tissue lesions of the extremities, pelvic and shoulder girdles: sonographic and pathological correlations. Hermann G, et al. **Clin Radiol** 1984 May;35(3):193–202
Computed tomography of the infratemporal fossa in primary jaw pathology. Hertzanu Y, et al. **Clin Radiol** 1984 May; 35(3):203–7
Evaluation of peripartum strokes by computed tomography. Maheshwari MC, et al. **Clin Radiol** 1983 Nov;34(6):633–7
Abdominal hydatid disease: computed tomographic and ultrasound changes during albendazole therapy. Morris DL, et al. **Clin Radiol** 1984 Jul;35(4):297–300
Malignant paragangliomas of the retroperitoneum: value of computed tomography and angiography. Patel YD, et al. **Clin Radiol** 1984 May;35(3):185–8
Computed tomography of the anterior cruciate ligament. Rickards D, et al. **Clin Radiol** 1984 Jul;35(4):327–9
Computed tomographic arteriography in the pre-surgical evaluation of hepatic tumours. Stack J, et al. **Clin Radiol** 1984 May;35(3):189–92
Stereotactic brain biopsy using a narrow aperture computed tomography scanner. Thomson GS, et al. **Clin Radiol** 1984 May;35(3):209–14
Computed tomography in 101 patients with a palpable abdominal mass. Williams MP, et al. **Clin Radiol** 1984 Jul; 35(4):293–6
Computed tomography in sacroiliitis. Carrera GF. **Clin Rheum Dis** 1983 Aug;9(2):403–15
Computed tomography of spinal stenoses and arthroses. Helms CA, et al. **Clin Rheum Dis** 1983 Aug;9(2):417–41 (34 ref.)
Computed tomography of the chest: an update. Miller JT Jr, et al. **Compr Ther** 1984 Mar;10(3):53–66 (38 ref.)
Abdominal and thoracic CT. **Comput Radiol** 1983 Sep–Oct; 7(5):267–322
Pelvic extension of benign intradural tumor—demonstration by computerized tomography. Anand AK, et al. **Comput Radiol** 1983 May–Jun;7(3):173–6
Lumbosacral epidural metastases: CT evaluation and comparison with myelography. Anand AK, et al. **Comput Radiol** 1983 Nov–Dec;7(6):351–4
Rhinocerebral mucormycosis with CT scan findings: a case report. Anderson D, et al. **Comput Radiol** 1984 Mar–Apr; 8(2):113–7
The use of computed tomography in the assessment of cardiac masses. Andreou J, et al. **Comput Radiol** 1983 Nov–Dec;7(6):355–9
CT scanning in septic sacroiliac arthritis or periarticular osteomyelitis. Bankoff MS, et al. **Comput Radiol** 1984 May–Jun;8(3):165–70
Differential diagnosis of huge abdominal masses visualized on CT scans. Berezin A, et al. **Comput Radiol** 1984 Mar–Apr;8(2):95–9
Computed tomographic demonstration of colonic carcinoma metastatic to the spleen. Bisker J, et al. **Comput Radiol** 1983 May–Jun;7(3):193–4
Computerized tomographic demonstration of toxic megacolon: report of a case. Brawner SD, et al. **Comput Radiol** 1983 Sep–Oct;7(5):279–81
Hiatus hernia causing CT gastric mass lesions. Cassel DM, et al. **Comput Radiol** 1983 May–Jun;7(3):177–9
Computed tomography in hepatolenticular degeneration (Wilson's disease). Chen XR, et al. **Comput Radiol** 1983 Nov–Dec;7(6):361–4
Computerized tomography in intracardiac tumors. Cholankeril JV, et al. **Comput Radiol** 1983 Sep–Oct; 7(5):311–8
Dual energy computerized tomography: a simplified approach. Clasen RA, et al. **Comput Radiol** 1983 Jul–Aug; 7(4):261–6
Nephro colo cutaneous fistula: use of CT scan to aid diagnosis. Cohen EL, et al. **Comput Radiol** 1983 Sep–Oct; 7(5):291–4
Computed tomography in the diagnosis and management of paravertebral masses. Doubilet PM, et al. **Comput Radiol** 1984 Mar–Apr;8(2):101–6
Serial changes in a patient with congenital CNS toxoplasmosis as observed with CT. Dunn D, et al. **Comput Radiol** 1984 May–Jun;8(3):133–9
Computerized tomography in diagnosis of pelvic abscess in spinal-cord-injured patients. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):335–41
Computerized tomography of the Cupid's bow contour of the lumbar spine. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):347–50
Computerized tomography in diagnosis of compression of the common peroneal nerve by ganglion cysts. Firooznia H, et al. **Comput Radiol** 1983 Nov–Dec;7(6):343–5
Metrizamide enhanced computed tomography: an adjunct to myelography in lumbar disc herniation. Glasauer FE, et al. **Comput Radiol** 1983 Sep–Oct;7(5):305–10
Non-invasive evaluation of thoracic aneurysms. Gomes MN, et al. **Comput Radiol** 1983 Sep–Oct;7(5):267–77
Computed tomographic diagnosis of rounded atelectasis: a case report. Grabowski WS. **Comput Radiol** 1983 Sep–Oct; 7(5):301–4
Computed tomography of uterine papillary serous carcinoma. Hamlin DJ, et al. **Comput Radiol** 1984 Mar–Apr;8(2):79–83
Appearance of renal infarction on computed tomography. Harris RD, et al. **Comput Radiol** 1983 May–Jun;7(3):181–7
Computed tomographic diagnosis of pulmonary sequestration. Hochhauser L, et al. **Comput Radiol** 1983 Sep–Oct;7(5):295–300
Dependence of substance CT number on scanning technique and position within scanner. Hunter TB, et al. **Comput Radiol** 1983 May–Jun;7(3):199–203
CT demonstration of pneumatosis intestinalis from bowel infarction. Hutchins WW, et al. **Comput Radiol** 1983 Sep–Oct;7(5):283–5
Computed tomography of the calvarium: a prospective study. Iko BO, et al. **Comput Radiol** 1983 Nov–Dec;7(6):323–34
Addison's disease due to metastatic carcinoma: the value of CT scan. Khan A, et al. **Comput Radiol** 1983 Nov–Dec; 7(6):369–71
The computed tomographic spectrum of cerebral cysticercosis. Mazer S, et al. **Comput Radiol** 1983 Nov–Dec; 7(6):373–8
High resolution computed tomography in the diagnosis of laterally herniated lumbar discs. Mikhael MA. **Comput Radiol** 1983 May–Jun;7(3):161–6
CT evaluation of intervertebral foramina lesions with normal or non-diagnostic myelograms. Report of ten cases. Nelson MJ, et al. **Comput Radiol** 1983 May–Jun;7(3):155–60
The CT detection of thymic hyperplasia in association with thyrotoxicosis: case report. Sandler M, et al. **Comput Radiol** 1983 Nov–Dec;7(6):365–8
Computed tomographic demonstration of gas collections simulating infection. Sarno RC, et al. **Comput Radiol** 1984 May–Jun;8(3):171–4
Computed tomography in Caroli's disease. Sarno RC, et al. **Comput Radiol** 1983 Sep–Oct;7(5):287–90
Computed tomography and radiotherapy in giant hemangioma with thrombocytopenia. Shah K. **Comput Radiol** 1983 Sep–Oct;7(5):319–22
Steroid-induced mesenteric lipomatosis. Siskind BN, et al. **Comput Radiol** 1984 May–Jun;8(3):175–7
Computed tomography on invasive thymoma. Smith SH, et al. **Comput Radiol** 1983 May–Jun;7(3):189–92
Computed tomography—a reliable diagnostic modality in pulmonary asbestosis. Sperber M, et al. **Comput Radiol** 1984 May–Jun;8(3):125–32
CT in the posttraumatic liver. Thomas JK, et al. **Comput Radiol** 1984 Mar–Apr;8(2):85–9
Anomaly of the inferior vena cava observed by CT. Ueda J, et al. **Comput Radiol** 1983 May–Jun;7(3):145–54
CT findings in acute optic neuritis. Wall M, et al. **Comput Radiol** 1984 Mar–Apr;8(2):91–4
Clinical and computed tomography findings in intracranial sarcoidosis involving the juxtasellar region. Weisberg LA, et al. **Comput Radiol** 1984 Mar–Apr;8(2):107–11
Small superficial cerebrovascular lesions: clinical and computed tomographic correlations. Weisberg LA. **Comput Radiol** 1984 May–Jun;8(3):151–6
Clinical-computed tomographic correlations in colloid cysts of the third ventricle. Weisberg LA. **Comput Radiol** 1984 May–Jun;8(3):157–63
Abstracts of the proceedings of the Workshop on Dynamic Body CT-Scanning in Europe. 30–31 October 1982 in Tubingen. **Computertomographie** 1982 Jun;2(2):96–107
Validity of computerized tomography in adrenal diseases. Galanski M, et al. **Computertomographie** 1981 Apr;1(1):11–6
Lumbosacral lipoma investigated by conventional radiography, ultrasound and direct coronal mode CT-scanning. Hageman G, et al. **Computertomographie** 1982 Jun;2(2):92–5
Meningioma of the foramen magnum. Report of a case. Husag L, et al. **Computertomographie** 1983 Dec;3(4):149–52
CT scan cerebral hemispheric asymmetry measurements in stroke cases with global aphasia: atypical asymmetries associated with improved recovery. Pieniadz JM, et al. **Cortex** 1983 Sep;19(3):371–91
Current concepts in evaluation of the lumbar facet joints. Carrera GF, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(2):85–104 (27 ref.)
Computed tomography of the lumbar spine: techniques,

normal anatomy, pitfalls, and clinical applications. Dorwart RH. **CRC Crit Rev Diagn Imaging** 1984;22(1):1–42 (69 ref.)
CT of abdominal trauma. Federle MP. **CRC Crit Rev Diagn Imaging** 1983;19(4):257–316 (69 ref.)
Computed tomography of the gastroesophageal junction. Halvorsen RA, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(3):183–228 (40 ref.)
Computed tomography of sacral and perisacral lesions. Levine E, et al. **CRC Crit Rev Diagn Imaging** 1984; 21(4):307–74 (126 ref.)
Radiological evaluation of the peri- and pararenal spaces by computed tomography. Parienty RA, et al. **CRC Crit Rev Diagn Imaging** 1983;20(1):1–26
Computed tomography of renal mass lesions. Perrin RL, et al. **CRC Crit Rev Diagn Imaging** 1983;20(3):191–214
Local lung ventilation in critically ill patients using nonradioactive xenon-enhanced transmission computed tomography. Snyder JV, et al. **Crit Care Med** 1984 Jan; 12(1):46–51
The diagnosis of aortic dissection. Dee P, et al. **Curr Probl Diagn Radiol** 1983 Nov–Dec;12(6):3–56
CT wholebody scanning in pediatric oncology. Damgaard-Pedersen K. **Dan Med Bull** 1983 Nov; 30(6):378–94 (118 ref.)
Abdominal computed tomography in a man with lung cancer. Tran HD, et al. **Del Med J** 1984 Apr;56(4):233–4
Computerized axial tomography for developmental problems of the hip. Bleck EE. **Dev Med Child Neurol** 1984 Apr; 26(2):234–5
Sequential CT studies of 24 children with infantile spasms on ACTH therapy. Ito M, et al. **Dev Med Child Neurol** 1983 Aug;25(4):475–80
Spread of carcinoma of the base of the tongue as detected by computer tomography. Byrd SE, et al. **Diagn Imag Clin Med** 1984;53(3):109–19
Localization by ultrasound of hyperparathyroid tumors not detected by computed tomography. Derksen OS, et al. **Diagn Imag Clin Med** 1984;53(3):131–4
High-resolution CT and air CT cisternography in the diagnosis of acoustic neuromas. Meijenhorst GC, et al. **Diagn Imag Clin Med** 1984;53(3):120–7
CT scanning of tumors in or near the parotid or submandibular glands. A comparison with conventional sialography. Mooyaart EL, et al. **Diagn Imag Clin Med** 1984;53(4):177–81
CT manifestations of intracranial involvement by Hodgkin's disease. Dijkstra HA, et al. **Diagn Imaging** 1983;52(5):255–8
Aortic dissection: CT and angiographic comparisons. Neumann CH, et al. **Digitale Bilddiagn** 1984 Mar;4(1):14–7
A look at anatomical and physiological brain images. Bergstrom M, et al. **Dimens Health Serv** 1983 Nov;60(11):36
Investigation of human skeletal muscle structure and composition by X-ray computerised tomography. Grindrod S, et al. **Eur J Clin Invest** 1983 Dec;13(6):465–8
The role of computerized tomography of the pelvis in the presurgical staging of carcinoma of the cervix and of the ovary. Facchini V, et al. **Eur J Gynaecol Oncol** 1984; 5(3):214–20
Computed tomography in the evaluation of advanced cervical cancer. Ragni N, et al. **Eur J Gynaecol Oncol** 1983; 4(3):201–4
Computed tomographic demonstration of a bileoma. Blickman JG, et al. **Eur J Radiol** 1984 May;4(2):98–100
Computerized tomography of a mediastinal pancreatic pseudocyst. Daehnert W, et al. **Eur J Radiol** 1983 Nov; 3(4):375–7
Comment to the paper 'Ultrasound and computer tomography in staging of bladder tumours'. de Lange EE, et al. **Eur J Radiol** 1983 Nov;3(4):365–6
Computed tomographic diagnosis of dilated ovarian veins in a case of 'ovarian vein syndrome'. De Schepper A, et al. **Eur J Radiol** 1983 Nov;3(4):324–7
Contribution of computed tomography (CT) in the study of 24 head and neck embryonic rhabdomyosarcomas in children. Geoffray A, et al. **Eur J Radiol** 1984 Aug; 4(3):177–80
Calcification in the portal venous system demonstrated by computed tomography. Hadar H, et al. **Eur J Radiol** 1983 Aug;3(3):187–8
Predicting malignancy of suspected ovarian tumours by CT. Kormano M, et al. **Eur J Radiol** 1984 Feb;4(1):61–4
Contrast enhancement versus vasculature of uterine tumors. Kormano M, et al. **Eur J Radiol** 1984 May;4(2):122–6
Adenolipoma of the liver. A unique case with ultrasound and CT patterns. Kurdziel JC, et al. **Eur J Radiol** 1984 Feb;4(1):45–6
Fatty infiltration of the pancreas in Shwachman's syndrome: computed tomography demonstration. Kurdziel JC, et al. **Eur J Radiol** 1984 Aug;4(3):202–4
Collateral veins in inferior caval vein occlusion demonstrated via CT. Lien HH, et al. **Eur J Radiol** 1983 Nov;3(4):319–23
CT guided percutaneous fine needle biopsy in the diagnosis of small adrenal tumours. Lüning M, et al. **Eur J Radiol** 1983 Nov;3(4):358–64
Value of computed tomography and lymphography in staging carcinoma of the uterine cervix. Marincek B, et al. **Eur J Radiol** 1984 May;4(2):118–21
Dynamic topography of the contrast enhancement of the spleen. Partanen K, et al. **Eur J Radiol** 1984 May;4(2):101–6
Comparison of iohexol and metrizamide in dynamic CT of the upper abdomen. Partanen K, et al. **Eur J Radiol** 1984 Aug;4(3):227–8
CT-control of the H-graft interposition mesocaval shunt patency. Partanen PL, et al. **Eur J Radiol** 1984 Feb; 4(1):19–21
C. T. criteria of the differential diagnosis in primary retroperitoneal masses. Pistolesi GF, et al. **Eur J Radiol** 1984 May;4(2):127–38
Contrast media in abdominal computed tomography. A double blind clinical trial comparing a non-ionic (iohexol) and an ionic (metrizoate) contrast medium. Skalpe IO, et al. **Eur J Radiol** 1984 Feb;4(1):74–5
Computed tomographic diagnosis of strangulated obstruction. Suzuki M, et al. **Eur J Radiol** 1983 Nov; 3(4):380–1
Early evaluation of coronary artery bypass grafts: CT or selective angiography. Wilson PC, et al. **Eur J Radiol** 1984 Feb;4(1):22–7
Cardiac chambers and their walls in cardiomyopathies as evaluated with CT. Wójtowicz J, et al. **Eur J Radiol** 1984 May;4(2):93–7
Computed tomography in cystic mediastinal lesions. Tasson J, et al. **Eur J Respir Dis** 1984 Jan;65(1):45–52
Computer tomographic evaluation of cervical astrocytoma. Nahser HC, et al. **Eur Neurol** 1983;22(6):447–50
Sheehan's syndrome: in vivo diagnosis with the use of computerized axial tomography and pituitary provocative testing. Tolis G, et al. **Fertil Steril** 1984 Jan;41(1):146–50
Contrast media in urography, angiography and computerized tomography. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:1–173
Contrast medium tolerance in computed tomography. Tschakert H. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:156–61
Experiences with rayvist and iopromid in head and body CT. Zeitler E, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 118:162–72
The diagnosis of jaundice [letter] **Gastroenterology** 1984 Feb; 86(2):380–3
Ultrasonography and computed tomography in focal fatty liver. Report of two cases with special emphasis on changing appearances over time. Clain JE, et al. **Gastroenterology** 1984 Oct;87(4):948–52
Spigelian hernia: CT and ultrasonography diagnosis. Balthazar EJ, et al. **Gastrointest Radiol** 1984;9(1):81–4
CT of pseudomembranous colitis. Brunner D, et al. **Gastrointest Radiol** 1984;9(1):73–5
Computed tomographic diagnosis of complications of transhepatic cholangiography and percutaneous biliary drainage. Demas BE, et al. **Gastrointest Radiol** 1984; 9(3):219–22
CT findings in human fascioliasis. de Miguel F, et al. **Gastrointest Radiol** 1984;9(2):157–9
CT diagnosis of hernia of Morgagni. Fagelman D, et al. **Gastrointest Radiol** 1984;9(2):153–5
Computed tomographic diagnosis of radiation ileitis. Fishman EK, et al. **Gastrointest Radiol** 1984;9(2):149–52
Portal architecture: a differential guide to fatty infiltration of the liver on computed tomography. Gale ME, et al. **Gastrointest Radiol** 1983;8(3):231–6
Computed tomographic distinction of submucosal lipoma and adenomatous polyp of the colon. Ho KJ, et al. **Gastrointest Radiol** 1984;9(1):77–80
Computed tomography evaluation of local and extraintestinal complications of Crohn's disease. Kerber GW, et al. **Gastrointest Radiol** 1984;9(2):143–8
Detection of intraperitoneal bile accumulations: significance of ultrasonography, CT, and cholescintigraphy. Lorenz R, et al. **Gastrointest Radiol** 1984;9(3):213–7
Preoperative diagnosis and evaluation of hepatic tumor resectability. Lunderquist A, et al. **Gastrointest Radiol** 1983; 8(3):227–30
Radiological diagnosis in proven intraabdominal abscess formation: a comparison between plain films of the abdomen, ultrasonography and computerized tomography. Lundstedt C, et al. **Gastrointest Radiol** 1983;8(3):261–6
Computed tomography of bowel perforation. Phatak MG, et al. **Gastrointest Radiol** 1984;9(2):133–5
Computed tomography of diverticulitis. Pillari G, et al. **Gastrointest Radiol** 1984;9(3):263–8
The triangle sign: a CT sign of intraperitoneal fluid. Rust RJ, et al. **Gastrointest Radiol** 1984;9(2):107–13
Computed tomography in carcinoma of esophagus and cardia. Schneekloth G, et al. **Gastrointest Radiol** 1983; 8(3):193–206
Abnormal intraabdominal gas collections visualized on computed tomography: a clinical and experimental study. Seltzer SE. **Gastrointest Radiol** 1984;9(2):127–31
Importance of the falciform ligament, ligamentum teres and splenic hilus in the spread of malignancy as demonstrated by computed tomography. Solomon A, et al. **Gastrointest Radiol** 1984;9(1):53–6
Contrast-enhanced computed tomography of the gallbladder in acute pancreatitis. Somer K, et al. **Gastrointest Radiol** 1984;9(1):31–4
Ruptured hydatid cyst with biliary obstruction: diagnosis by sonography and computed tomography. Subramanyam BR, et al. **Gastrointest Radiol** 1983;8(4):341–3
Demonstration of an internal pancreatic fistula by computed tomography. Weiner SN, et al. **Gastrointest Radiol** 1984; 9(2):123–5
The use of ultrasound and computed tomography scanning in the management of gynecologic cancer patients. Kerr-Wilson RH, et al. **Gynecol Oncol** 1984 May; 18(1):54–61
High resolution computed tomography in evaluation of the temporal bone. Swartz JD, et al. **Head Neck Surg** 1984 May-Jun;6(5):921–31
Aortic dissection presenting with hemoptysis: diagnostic confirmation of dissection and leak by computerized tomography. Barbash GI, et al. **Heart Lung** 1983 Nov; 12(6):633–5
Congenital hemiparesis: the spectrum of lesions. A clinical and computerized tomographic study of 37 cases. Claeys V, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):439–55
Evaluation of liver iron content by computed tomography: its value in the follow-up of treatment in patients with idiopathic hemochromatosis. Roudot-Thoraval F, et al. **Hepatology** 1983 Nov-Dec;3(6):974–9
CT scan studies of aphasia. Cappa SF, et al. **Hum Neurobiol** 1983;2(3):129–34 (63 ref.)
Geometric deconvolution: a meta-algorithm for limited view computed tomography. Gordon R, et al. **IEEE Trans Biomed Eng** 1983 Dec;30(12):806–10
Primary study for low back pain. Melamed JL, et al. **IMJ** 1983 Aug;164(2):122–4
Computerised axial tomography in ophthalmology. Gupta CP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):493–4
Impact of computrised axial tomography on orbital diagnosis (a study of 100 cases). Vashisht S, et al. **Indian J Ophthalmol** 1983 Jul;31(4):347–52
Neurocranial form: differentiating four ethnic populations using a simple CT scan measure. McShane D. **Int J Neurosci** 1983 Oct;21(1–2):137–43
Cerebral asymmetries on CT scan in three ethnic groups. Risse GL, et al. **Int J Neurosci** 1984 Mar;23(1):69–74
A novel technique for the determination of body fat by computed tomography. Tokunaga K, et al. **Int J Obes** 1983; 7(5):437–45
Computed tomography in the management of bladder carcinoma. Giri PG, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1121–5
LOCATE: an application of computed tomography in radiation therapy treatment planning with emphasis on tumor localization. Griffin BR, et al. **Int J Radiat Oncol Biol Phys** 1984 Apr;10(4):555–9
Cervical lymph node metastases: oncologic imaging and diagnosis. Mancuso AA. **Int J Radiat Oncol Biol Phys** 1984 Mar;10(3):411–23
Thoracic CT scanning for mediastinal Hodgkin's disease: results and therapeutic implications. Rostock RA, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1451–7
Pleural-based changes on chest X ray after irradiation for primary breast cancer: correlation with findings on computerized tomography. Srinivasan G, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1567–70
Investigation of changes in CT-number in the prostate after radiotherapy. Swank-Bordewijk SC, et al. **Int J Radiat Oncol Biol Phys** 1984 May;10(5):659–64
Computed axial tomography and Disulphine Blue in the evaluation of osteonecrosis of the femoral head. Casteleyn PP, et al. **Int Orthop** 1983;7(3):149–52
Computed tomography of the normal soft tissues of the wrist. Cone RO, et al. **Invest Radiol** 1983 Nov-Dec;18(6):546–51
Computed tomography of the normal radioulnar joints. Cone RO, et al. **Invest Radiol** 1983 Nov-Dec;18(6):541–5
Quantitation of size of myocardial infarctions by computerized transmission tomography. Comparison with hot-spot and cold-spot radionuclide scans. Gerber KH, et al. **Invest Radiol** 1983 May-Jun;18(3):238–44
CT-determined pulmonary artery diameters in predicting pulmonary hypertension. Kuriyama K, et al. **Invest Radiol** 1984 Jan-Feb;19(1):16–22
Biodistribution of a new lipid-soluble CT contrast agent. Evaluation of cholesteryl iopanoate in the rabbit. Longino MA, et al. **Invest Radiol** 1983 May-Jun;18(3):275–8
Computed tomography of the normal patellofemoral joint. Martinez S, et al. **Invest Radiol** 1983 May-Jun;18(3):249–53
A technique for preparation, removal, and storage of cadaver spine specimens for CT evaluation. Pagani JJ, et al. **Invest Radiol** 1984 Jan-Feb;19(1):51–3
Renal artery stenosis and evaluation of the effect of endoluminal dilatation. Comparison of dynamic CT scanning and I-131-OIHA renogram. Probst P, et al. **Invest Radiol** 1983 May-Jun;18(3):264–71
Pulmonary density distribution in experimental noncardiac canine pulmonary edema evaluated by computed transmission tomography. Slutsky RA, et al. **Invest Radiol** 1984 May-Jun;19(3):168–73
Analysis of the density of pleural fluid analogs by computed tomography. Vock P, et al. **Invest Radiol** 1984 Jan-Feb; 19(1):10–5
CT adapted stereotaxy. Hitchon PW, et al. **Iowa Med** 1984 May;74(5):201–3
Computed tomography in constrictive pericarditis. O'Keeffe D, et al. **Ir Med J** 1984 Jun;77(6):172–4
Splenic abscess: ultrasound and CT appearances. O'Neill G, et al. **Ir Med J** 1983 Aug;76(8):355–6
CT pneumomeatography in the diagnosis of small acoustic neuromas. Barmeir E, et al. **Isr J Med Sci** 1984 Jun; 20(6):487–90
Computerized tomography in the diagnosis of congenital hepatic fibrosis. Grossman E, et al. **Isr J Med Sci** 1984

Jan;20(1):37–40
Computerized tomography in combat-related craniocerebral penetrating missile injuries. Rappaport ZH, et al. **Isr J Med Sci** 1984 Aug;20(8):668–71
Ultrasound and computed tomography in the diagnosis and drainage of abscesses and other fluid collections. Rubinstein Z, et al. **Isr J Med Sci** 1983 Dec;19(12):1050–5
Prognostic value of CT in head-injury coma. Gozzoli L, et al. **Ital J Neurol Sci** 1983 Jun;4(2):185–90
The use of computerized tomography in the study of the cruciate ligaments of the knee. Trecco F, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):109–20
High resolution CT scanning in infantile autism: a quantitative approach. Rosenbloom S, et al. **J Am Acad Child Psychiatry** 1984 Jan;23(1):72–7
Myocardial infarct size determined by computed transmission tomography in canine infarcts of various ages and in the presence of coronary reperfusion. Slutsky RA, et al. **J Am Coll Cardiol** 1984 Jan;3(1):138–42
Brain atrophy during aging: a quantitative study using computed tomography. Takeda S, et al. **J Am Geriatr Soc** 1984 Jul;32(7):520–4
Evaluation of benign disease of the male pelvis by computed tomography. Goff WB 2d. **J Am Osteopath Assoc** 1984 Jul;83(11):797–9
Computed tomographic study of chronic nonspecific inflammatory adnexal masses. Al Ahwani S, et al. **J Belge Radiol** 1984;67(1):1–5
Computed tomography of the knee joint in double-contrast. Boven F, et al. **J Belge Radiol** 1983;66(6):429–35
CT in palpable non-obstructing intestinal tumors. Golding RP, et al. **J Belge Radiol** 1983;66(6):447–52
Computed tomography of laryngeal tumours. Parsons C. **J Belge Radiol** 1983;66(5):343–9
Differential diagnosis of ovarian benign and malignant tumors by CT. Rohde U, et al. **J Belge Radiol** 1983;66(1):9–14
The use of computed tomography in medical imaging. Alex MJ. **J Biol Photogr** 1984 Apr;52(2):27–32
The evaluation of forearm density with axial tomography. Rodrigue D, et al. **J Biomech** 1983;16(11):907–13
Computed tomography in the diagnosis of a rare plantar ganglion cyst in a child. Case report. Engdahl DE, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1348–9
The role of computerized tomographic scanning in the evaluation of major pelvic fractures. Gill K, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):34–9
Atlanto-axial instability and spinal cord compression in children—diagnosis by computerized tomography. Roach JW, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):708–14
Congenital dislocation of the hip and computerised axial tomography. Edelson JG, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):472–8
The effects of chemonucleolysis as demonstrated by computerised tomography. Konings JG, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):417–21
Computed tomography of synovial sarcoma of the foot. Azouz EM, et al. **J Can Assoc Radiol** 1984 Mar;35(1):85–7
CT of the cranium in head injury. Cooper PW, et al. **J Can Assoc Radiol** 1983 Sep;34(3):167–77
Retrorenal gallbladder. A case report. Ehman RL, et al. **J Can Assoc Radiol** 1983 Dec;34(4):321–2
Pseudosarcoma of the esophagus: barium swallow and CT findings. Halvorsen RA, et al. **J Can Assoc Radiol** 1983 Dec;34(4):278–81
Radiologic studies of facial trauma associated with a regional trauma centre. Kassel EE, et al. **J Can Assoc Radiol** 1983 Sep;34(3):178–88
Fluid-level motion artifact in computed tomography. Scott RL, et al. **J Can Assoc Radiol** 1983 Dec;34(4):294–5
The physics of x-ray CT—a self assessment review guide. Seeram E, et al. **J Can Assoc Radiol** 1983 Dec;34(4):335–7
Retroperitoneal pseudolymphadenopathy. Thompson GT, et al. **J Can Assoc Radiol** 1983 Dec;34(4):286–7
Optic neuropathy and cerebral sarcoidosis. Slavin ML, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):259–62
Chordoma. Takahashi T, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):251–7
A comparison of computed tomography and radionuclide scanning for detection of brain metastases in small cell lung cancer. Crane JM, et al. **J Clin Oncol** 1984 Sep;2(9):1017–24
Ethiodized oil emulsion 13 in computed tomography of hepatoma. Dutcher JP, et al. **J Clin Oncol** 1984 Feb;2(2):118–23
Accuracy of computerized tomography in determining hepatic tumor size in patients receiving liver transplantation or resection. Mittal R, et al. **J Clin Oncol** 1984 Jun;2(6):637–42
Serial cranial computed-tomography scans in children with leukemia given two different forms of central nervous system therapy. Ochs JJ, et al. **J Clin Oncol** 1983 Dec;1(12):793–8
Morning glory syndrome: CT findings. Adam P, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):134–6
CT directed hepatic biopsies: increased diagnostic accuracy with low patient risk. Alspaugh JP, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1012–7
CT findings in progressive supranuclear palsy. Ambrosetto P, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):406–9
CT demonstration of congenital pulmonary venolobar syndrome. Ang JG, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):753–7
CT demonstration of urinary bladder displacement causing medial deviation of the distal ureter. Apter S, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):294–5
Normal thoracic aortic diameters by computed tomography. Aronberg DJ, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):247–50
CT detection of retroperitoneal gas associated with gas in intervertebral disks. Beers GJ, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):232–6
CT demonstration of a spinal subarachnoid haematoma following lumbar puncture. Bellamy EA, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):791–2
CT appearance of Mirizzi syndrome. Berland LL, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):165–6
Percutaneous drainage of multiseptated hepatic abscess. Bernardino ME, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):38–41
Computed tomography in temporal lobe epilepsy. Blom RJ, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):401–5
CT demonstration of adenomyomatosis of the gallbladder. Boukadoum M, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):177
Computed tomography of bladder leiomyoma. Brant WE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):562–3
CT diagnosis of segmental pulmonary artery embolus. Breatnach E, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):762–4
Focal obstructive nephrogram: an unusual CT appearance of a transitional cell carcinoma. Breatnach ES, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1019–22
Silicone encircling bands for retinal detachment: CT appearance. Bresaler EL, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):960–2
Computed tomography of choledochocele. Brodey PA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):162–4
Computed tomography of mediastinal abscess secondary to post-traumatic esophageal laceration. Brown BM. **J Comput Assist Tomogr** 1984 Aug;8(4):765–7
Computed cranial tomographic findings in cerebral sinovenous occlusion. Buonanno FS, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):281–90
Giant intracranial aneurysms simulating brain neoplasms on computed tomography. Byrd SE, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):303–7
An investigation into the problems of attenuation and area measurements made from CT images of pulmonary nodules. Checkley DR, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):237–43
Computed tomography of renal oncocytoma. Cohan RH, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):284–7
Computed tomography of splenic infarction. Cohen BA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):167–8
Tracheal and bronchial stenosis associated with mediastinal adenopathy in Wegener granulomatosis: CT findings. Cohen MI, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):327–9
Accessory hemiazygos continuation of left inferior vena cava: CT demonstration. Cohen MI, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):777–9
CT features of endobronchial granular cell myoblastoma. Coleman BG, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):998–1000
Pneumatosis intestinalis: role of computed tomography in diagnosis and management. Connor R, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):269–75
Computed tomography after partial hepatectomy. Couanet D, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):453–7
Computed tomography of absent cervical pedicle. Cox HE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):537–9
Unusually large nasopalatine cyst: CT findings. Curtin HD, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):139–42
Abdominal tuberculosis: CT findings. Dahlene DH Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):443–5
CT diagnosis of an aberrant internal carotid artery in the middle ear. Damsma H, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):317–9
The accessory costotransverse foramen: a radioanatomical study. De Boeck M, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):117–20
Positron emission tomography and computed tomography assessments of the aging human brain. de Leon MJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):88–94
Computed tomography of visceral infarction due to coagulopathy. Demas BE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):556–8
Accuracy of stable xenon/CT measurements of regional cerebral blood flow: effect of extrapolated estimates of brain-blood partition coefficients. Dhawan V, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):208–12
Periventricular leukomalacia related to neonatal anoxia: recognition by computed tomography. Di Chiro G, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):352–5
Benign iatrogenic cause of mediastinal gas seen on computed tomography. Dickey JE, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):330–1
Computed tomography of the liver in Wilson disease. Dixon AK, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):46–9
CT appearance of hepatic oil embolization following lymphangiography. Donaldson JS, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1012–4
Intraspinal epidermoid cysts. Donoghue V, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):143–4
Segmental hyperlucent defects in the liver. Doppman JL, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):50–7
Detection of subcutaneous metastases by computed tomography. Dunnick NR, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):275–9
Computed tomography of high density renal cysts. Dunnick NR, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):458–61
CT demonstration of hyperdense renal carcinoma. Dunnick NR, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1023–4
Computed tomography of Tietze syndrome. Edelstein G, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):20–3
Comparison of NMR and CT imaging in the evaluation of metastatic retroperitoneal lymphadenopathy from testicular carcinoma. Ellis JH, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):709–19
Vacuum phenomenon within the cervical spinal canal: CT demonstration of a herniated disc. Elster AD, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):533–5
MR imaging of the mediastinum: a retrospective comparison with computed tomography. Epstein DM, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):670–6
Cerebral NMR and CT imaging in dementia. Erkinjuntti T, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):614–8
The value of computed tomography in the diagnosis of intracranial lipomata. Faerber EN, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):297–9
CT diagnosis of fecaloma. Fagelman D, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):559–61
Computed tomography in congenital heart disease. Farmer DW, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):677–87
Computed tomography of adult neuroblastoma. Feinstein RS, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):720–6
Computed tomography of primary intrathecal Wilms tumor with diastematomyelia. Fernbach SK, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):523–8
Bilateral hemorrhagic infarction of the pallidum. Finelli PF. **J Comput Assist Tomogr** 1984 Feb;8(1):125–7
Computed tomography of colonic pneumatosis intestinalis with mesenteric and portal venous air. Fisher JK. **J Comput Assist Tomogr** 1984 Jun;8(3):573–4
Computed tomography in the evaluation of cervical thorotrast granuloma. Fishman EK, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):224–8
Jugular venous thrombosis: diagnosis by computed tomography. Fishman EK, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):963–8
CT mediastinum examination in recurrent nerve paralysis. Frija J, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):901–5
Streak artefacts of the thoracic aorta: pseudodissection. Gallagher S, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):688–93
Congenital optic nerve colobomas: CT demonstration. Gardner TW, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):95–102
Prominent internal occipital protuberance misdiagnosed as fourth ventricular mass. Gebarski SS, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):780–2
Gas as a mass: a symptomatic spinal canalicular collection. Gebarski SS, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):145–6
Abdominal and pelvic computed tomography in leukemic patients. Geoffray A, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):857–60
Membranous obstruction of the inferior vena cava: an ultrasound, computed tomography, and inferior vena cavogram image correlation. Gerlock AJ Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):567–9
Computed tomography of renal vein thrombosis. Glazer GM, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):288–93
Computed tomography of pericardial masses: further observations and comparison with echocardiography. Glazer GM, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):895–9
CT demonstration of colovesical fistulae secondary to diverticulitis. Goldman SM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):462–8
Computed tomography in soft tissue calcification layering. Gordon LF, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):71–3
Computed tomography of water-like densities mimicking pericardial effusion in a case of a pericardial tumor. Gouliamos A, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):343–4
Observations on CT differentiation of pleural and peritoneal fluid. Griffin DJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):24–8
Pseudomyxoma peritonei associated with mucinous adenocarcinoma of the pancreas: CT findings and CT-guided biopsy. Gustafson KD, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):335–8
CT assessment of right-left asymmetries in the human cerebral cortex. Habib M, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):922–7
Computed tomography of testicular feminization. Hales ED, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):772–3
Lipoma of corpus callosum associated with frontoethmoidal lipomeningocele: CT findings. Hayashi T, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):795–6
Computed tomography of spontaneous acute cervical epidural hematoma. Haykal HA, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):229–31
Computed tomography and lymphangiography in chyluria. Haynes JW, et al. **J Comput Assist Tomogr** 1984 Apr;

8(2):341–2
Traumatic renal artery occlusion: CT diagnosis with angiographic correlation. Haynes JW, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):731–3
Computed tomography of mandibular ameloblastoma. Hertzanu Y, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):220–3
Dynamic computed tomography of isodense hepatocellular carcinoma. Hosoki T, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):263–8
Popliteus muscle as a barrier to tumor spread: computed tomography and angiography. Hudson TM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):498–501
Branching pattern in CT scans of mucin producing carcinoma metastases to the liver. Hughes JJ, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):553–5
Lumbar artery pseudoaneurysm: CT demonstration. Hulnick DH, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):570–2
Cerebral MR and CT imaging in polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy. Iivanainen M, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):940–3
Changes of the hepatic CT absorption value in hemodialysis patients. Ishikawa I, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):701–3
Endoscopic retrograde computed tomography of the pancreas. Jaffe MH, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):53–6
Computed tomography of silent abdominal abscesses. Jeffrey RB, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):67–70
Computed tomography in medial maxilla–orbital fractures. Johnson DH Jr, et al. **J Comput Assist Tomogr** 1984 Jun; 8(3):416–9
Computed tomography of acute spinal epidural hematoma associated with cervical root avulsion. Kaiser MC, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):322–3
Computed tomography of pneumatosis intestinalis. Kelvin FM, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):276–80
Regional cerebral blood flow measurements using stable xenon enhanced computed tomography: a theoretical and experimental evaluation. Kishore PR, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):619–30
Computed tomography of sinonasal non–Hodgkin lymphoma. Kondo M, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):216–9
Cross-sectional imaging (CT, NMR) of branchial cysts: report of three cases. Kreipke DL, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):114–6
Revisited old and new CT findings in unruptured larger arteriovenous malformations of the brain. Kumar AJ, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):648–55
EM reconstruction algorithms for emission and transmission tomography. Lange K, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):306–16
Third ventricular lymphoma: CT findings. Lanzieri CF, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):645–7
Orbital decompression: postoperative computed tomography. Lanzieri CF, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):957–9
CT analysis of lung density changes in patients undergoing total body irradiation prior to bone marrow transplantation. Lee JY, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):885–91
CT findings of suprapatellar synovial cysts. Lee KR, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):296–9
Combined use of ultrasound and computed tomography in evaluation of intraabdominal pregnancy and fetal demise. Lee LL, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):770–1
Computed tomography of ununited neurocentral synchondrosis in the cervical spine. Leemans J, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):540–3
Spontaneous rupture of a thymic cyst demonstrated by computed tomography. Leibman AJ, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):550–2
Radiation–induced pulmonary change: CT findings. Libshitz HI, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):15–9
Quantitative estimation of tumor volume on computer assisted tomography. Liliequist B, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):300–2
CT demonstration of low density ring in liver metastases. Lin G, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):450–2
Calcified parathyroid glands detected by computed tomography. Lineaweaver W, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):975–7
Computed tomography of intrinsic laryngeal and tracheal abnormalities in children. Liu P, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):662–9
Computed tomography of intracranial extramedullary hematopoiesis. Lund RE, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):788–90
Lumbar arteriovenous malformation presenting as an acute disc syndrome: CT findings. Lusins JO, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1028–9
Computed tomography of malignant carcinoid disease. McCarthy SM, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):846–50
Fracture of an ossified stylohyoid ligament diagnosed by computed tomography. McCorkell SJ. **J Comput Assist Tomogr** 1984 Jun;8(3):544–6
Adrenoleukodystrophy: early frontal lobe involvement on computed tomography. MacDonald JT, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):128–30
Cartilage involvement in laryngeal carcinoma: correlation of CT and pathologic macrosection studies. Mafee MF, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):969–73
CT appearance of intrauterine pregnancy. Magarik DE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):469–72
CT findings in pulmonary venoocclusive disease. Maltby JD, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):758–61
Computed tomography of macroglossia secondary to amyloidosis. Manco LG, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):659–61
Transsphenoidal encephalocele associated with agenesis of corpus callosum: value of metrizamide computed cisternography. Manelfe C, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):356–61
Perfluoroctylbromide as a blood pool contrast agent for liver, spleen, and vascular imaging in computed tomography. Mattrey RF, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):739–44
Gas within hemophiliac pelvic pseudotumors: CT demonstration. Mauro MA, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):473–5
Pseudomembranous colitis: diagnosis by computed tomography. Megibow AJ, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):281–3
Air insufflation of the colon as an adjunct to computed tomography of the pelvis. Megibow AJ, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):797–800
Impact of thoracic computed tomography on radiation therapy planning in Hodgkin disease. Meyer JE, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):892–4
CT diagnosis of hemopericardium in acute dissecting aneurysm of the thoracic aorta. Meziane MA, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):10–4
Malformation of the cerebral cortex with heterotopia of the gray matter. Mikhael MA, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):291–6
Intraarterial administration of EOE–13 for the CT evaluation of hepatic artery infusion chemotherapy. Miller DL, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):332–4
CT differentiation of thoracic aortic aneurysms from pulmonary masses adjacent to the mediastinum. Miller GA Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):437–42
Milk of calcium in the common bile duct. Morehouse HT, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):177–9
Multicystic encephalomalacia: CT appearance and pathological correlation. Naidich TP, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):631–6
Inferior mesenteric artery aneurysm: demonstration by computed tomography. Nino–Murcia M, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):564–6
Computed tomography of calcified gastric carcinoma. Nishimura K, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1010–1
Computed tomography of renal metastases. Nishitani H, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):727–30
Comparative efficacy of contrast agents in computed tomography scanning of the brain. Norman D, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):319–21
Computed tomography of neuraxis aspergillosis. Nov AA, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):413–5
CT diagnosis of annular pancreas. Novetsky GJ, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1031–2
Blood–brain barrier disruption due to cerebral arteriography: CT findings. Numaguchi Y, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):936–9
CT evaluation of the pelvic cavity after cystectomy: observation in 40 cases. Oliva L, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):734–8
CT demonstration of hyperdense cerebral vasculature due to bromide therapy. Osborne DR, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):982–4
Plexiform neurofibroma of the pelvis in neurofibromatosis: CT findings. Paling MR. **J Comput Assist Tomogr** 1984 Jun;8(3):476–8
CT demonstration of pelvic hydatid cysts. Pandolfo I, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):479–81
CT findings in hepatic involvement by Echinococcus granulosus. Pandolfo I, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):839–45
CT demonstration of mobile echinococcal daughter cysts. Parizel P, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):179–80
Radiolucent 'zones' in parietal bones seen on computed tomography: a normal anatomic variant. Pastakia B, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):108–9
Rapid size reduction of giant prolactinoma following medical treatment. Perani D, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):131–3
Differential diagnosis of the enlarged superior ophthalmic vein. Peyster RG, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):103–7
Abdominal computed tomography in children with unexplained prolonged fever. Picus D, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):851–6
Hiatal hernia causing a cardia pseudomass on computed tomography. Pupols A, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):699–700
CT evaluation of chondroblastoma. Quint LE, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):907–10
Alveolar soft part sarcoma: CT findings. Radin DR, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):344–5
Computed tomography of Sipple syndrome. Radin DR, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):169–70
'Cupid's bow' contour of the lumbar vertebral endplates detected by computed tomography. Ramirez H Jr, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):121–4
CT detection of iatrogenic percutaneous splenic injury. Rauch RF, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1018–21
Data compression techniques for CT image archiving. Rhodes ML, et al. **J Comput Assist Tomogr** 1983 Dec; 7(6):1124–6
Somatostatinoma of the endocrine pancreas: CT findings. Roberts L Jr, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1015–8
Cerebral computed tomography in maple syrup urine disease. Romero FJ, et al. **J Comput Assist Tomogr** 1984 Jun; 8(3):410–1
Metastatic disease to the pancreas: evaluation by computed tomography. Rumancik WM, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):829–34
Computed tomography of bilateral lacrimal gland sarcoidosis. Sacher M, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):213–5
Transient hyperdense cerebral areas in childhood leukemia: CT demonstration. Sano N, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):985–7
Interhemispheric fissure sign of dysgenesis of the corpus callosum. Sarwar M, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):637–44
Differential diagnosis of mediastinal fluid levels visualized on computed tomography. Seltzer SE, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):244–6
Computed tomography of the hindfoot. Seltzer SE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):488–97
Value of computed tomography in planning medical and surgical treatment of chronic osteomyelitis. Seltzer SE. **J Comput Assist Tomogr** 1984 Jun;8(3):482–7
CT appearance of the inferior mesenteric vein. Shapir J, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):877–80
Postoperative malignant seroma: CT demonstration of its formation mechanism. Shin MS, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1001–4
Computed tomography in recurrent or metastatic colon cancer: relation to rising serum carcinoembryonic antigen. Shirkhoda A, et al. **J Comput Assist Tomogr** 1984 Aug; 8(4):704–8
CT diagnosis of actinomycosis of the neck. Silverman PM, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):793–4
Computed tomography of fatal hepatic rupture due to peliosis hepatis. Smathers RL, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):768–9
Cystic hygroma and facial nerve paralysis: a rare association. Som PM, et al. **J Comput Assist Tomogr** 1984 Feb; 8(1):110–3
Nonspecificity of intraparenchymal blood–fluid levels in cerebral computed tomography. Spiegel S, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):656–7
Computed tomography of ileal loop urinary diversion in adults. Spring DB, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):866–70
Dose reduction through variable dose CT scanning: optimality of the filtered backprojection algorithm. Stanton R, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1054–61
CT appearances of rheumatoid lung disease. Steinberg DL, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):881–4
Lymphaticopleural fistula: diagnosis by computed tomography. Sullivan KL, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1005–6
Computed tomography of amyloidosis involving retroperitoneal lymph nodes mimicking lymphoma. Takebayashi S, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1025–7
Computed tomography in complicated cholecystitis. Terrier F, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):58–62
Diagnostic and prognostic implications of computed tomography of head trauma. Tsai FY, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):323–31
Comely Wenuhotep: computed tomography of an Egyptian mummy. Vahey T, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):992–7
Discrepant opacification of the internal jugular veins: indicator of innominate vein occlusion on computed tomography of the neck. Vibhakar SD, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):320–1
Spinal cord or nerve root compression in patients with malignant disease: CT evaluation. Wang AM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):420–8
Cervical chordoma presenting with intervertebral foramen enlargement mimicking neurofibroma: CT findings. Wang AM, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):529–32
Posterior fossa ependymal cyst and atlantoaxial subluxation in a patient with Down syndrome: CT findings. Wang AM, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):783–7
CT metrizamide myelography in multiple bilateral intrathoracic meningoceles. Weinreb JC, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):324–6
CT guided paravertebral biopsy of the mediastinum. Williams RA, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):575–8
CT evaluation of pulmonary alveolar microlithiasis. Winzelberg GG, et al. **J Comput Assist Tomogr** 1984 Oct; 8(5):1029–31
The use of coronal sections in evaluating lesions of the sellar and parasellar regions. Wolfman NT, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):308–13

Stereotactic biopsy using computed tomography. Wunschik F, et al. J Comput Assist Tomogr 1984 Feb;8(1):32–7

CT diagnosis of limbus vertebra. Yagan R. J Comput Assist Tomogr 1984 Feb;8(1):149–51

Computed tomographic demonstration of inferior vena cava invasion in a case of hepatocellular carcinoma. Zerhouni EA, et al. J Comput Assist Tomogr 1978 Jul;2(3):363–5

Orbital infiltration in Letterer–Siwe disease. Zollars L, et al. J Comput Assist Tomogr 1984 Feb;8(1):137–8

Diagnosis of osteoid osteoma using computed tomography. Ainen AM, et al. J Comput Tomogr 1984 Apr;8(2):175–8

Computed tomography differentiation of pyelonephritis and renal infarction. Bankoff MS, et al. J Comput Tomogr 1984 Jul;8(3):239–43

Computed tomography in splenic hemorrhage. Cholankeril JV. J Comput Tomogr 1984 Apr;8(2):145–51

Left lobe of the liver draping around the spleen: a pitfall in computed tomography diagnosis of perisplenic hematoma. Cholankeril JV, et al. J Comput Tomogr 1984 Jul;8(3):261–7

Case report: computed tomography in the diagnosis of Yersinia infection in a patient with thalassemia major. Coleman BG, et al. J Comput Tomogr 1984 Apr;8(2):153–6

Peripancreatic lymph node enlargement in Hodgkin's disease, non-Hodgkin's lymphoma, and pancreatic carcinoma. Costello P, et al. J Comput Tomogr 1984 Jan;8(1):1–11

Hemochromatosis simulating hepatoma by computed tomography. Dreyfuss AI, et al. J Comput Tomogr 1984 Jan;8(1):13–4

Outpatient low-dose computed tomography metrizamide myelography and evaluation of lumbar disk disease. Dublin AB, et al. J Comput Tomogr 1984 Apr;8(2):113–7

Thymic cyst: computed tomography and ultrasound correlation. Dunne MG, et al. J Comput Tomogr 1983 Nov; 7(4):351–5

Computed tomographic and ultrasound appearance of Kim–Ray Greenfield vena caval filters and potential for noninvasive localization. Dunne MG, et al. J Comput Tomogr 1983 Nov;7(4):375–80

Quantitative computed tomography assessment of spinal trabecular bone. I. Age-related regression in normal men and women. Firooznia H, et al. J Comput Tomogr 1984 Apr;8(2):91–7

Quantitative computed tomography assessment of spinal trabecular bone. II. In osteoporotic women with and without vertebral fractures. Firooznia H, et al. J Comput Tomogr 1984 Apr;8(2):99–103

Computed tomography of pressure sores. Firooznia H, et al. J Comput Tomogr 1983 Nov;7(4):367–73

Computed tomography of the sacroiliac joints: comparison with complex-motion tomography. Firooznia H, et al. J Comput Tomogr 1984 Jan;8(1):31–9

Computed tomography in experimental allergic encephalomyelitis—preliminary results. Grossman RI, et al. J Comput Tomogr 1984 Jan;8(1):69–71

Computed tomography of renal agenesis and ectopy. Hadar H, et al. J Comput Tomogr 1984 Apr;8(2):137–43

Use of computed tomography in congenital dislocation of the hip. Helms CA, et al. J Comput Tomogr 1983 Nov; 7(4):363–5

Computed tomography in acute head injuries. Hryshko FG, et al. J Comput Tomogr 1983 Nov;7(4):331–44

Computed tomography of liver trauma due to surgical retraction. Hunter V, et al. J Comput Tomogr 1983 Nov; 7(4):381–3

Computed tomographic demonstration of 'coronary' collateral vein calcification and patent spleno-renal shunt—a case report. Kreel L, et al. J Comput Tomogr 1984 Jan;8(1):65–8

Computed tomography in pelvic liposarcoma: a case report. Lamki N, et al. J Comput Tomogr 1984 Jul;8(3):249–51

The use of computed tomography in evaluating chest wall pathology. Leitman BS, et al. J Comput Tomogr 1983 Nov; 7(4):399–405

Malignant pleural mesothelioma: the role of computed tomography. Libshitz HI. J Comput Tomogr 1984 Jan; 8(1):15–20

Oral administration of contrast medium for rectal opacification in pelvic computed tomography. Mintz MC, et al. J Comput Tomogr 1984 Jan;8(1):73–4

Computed tomographic appearance of pulmonary alveolar proteinosis in adults. Newell JD, et al. J Comput Tomogr 1984 Jan;8(1):21–9

Computed tomographic demonstration of displaced right upper lobe bronchus in an adult woman with congenital heart disease. Newell JD, et al. J Comput Tomogr 1984 Jan;8(1):75–9

Necrotic tumor simulating intraabdominal abscess: a case report. Paling MR. J Comput Tomogr 1983 Nov;7(4):395–7

Pseudotumoral ureteral kinking: a computed tomography pitfall. Parienty RA, et al. J Comput Tomogr 1984 Jul; 8(3):257–60

Computed tomography of mural thrombosis in the hypereosinophilic syndrome. Patterson NW, et al. J Comput Tomogr 1984 Apr;8(2):129–32

Right ventricular mural thrombus caused by myocardial infarction diagnosed by computed tomography. Peck WW, et al. J Comput Tomogr 1984 Apr;8(2):133–6

Computed tomography of the liver. Phatak MG. J Comput Tomogr 1984 Apr;8(2):157–69 (161 ref.)

The parallel iliac approach: a safe and accurate technique for deep pelvic node biopsy. Phillips VM, et al. J Comput Tomogr 1984 Jul;8(3):237–8

The diagnostic significance of posttraumatic sphenoid sinus effusions: correlation with head computed tomography. Quinn SF, et al. J Comput Tomogr 1984 Jan;8(1):61–4

Fusion of the lateral joints in fixed atlantoaxial dislocation: a computed tomography demonstration. Rafii M, et al. J Comput Tomogr 1984 Jul;8(3):203–6

Computed tomography of traumatic serosanguineous cysts. Rafii M, et al. J Comput Tomogr 1983 Nov;7(4):385–8

Intracranial venous aneurysms: vein of Galen and other similar vascular anomalies. Rao KC, et al. J Comput Tomogr 1983 Nov;7(4):345–50

A pseudomass on pelvic computed tomography: a pitfall to avoid. Raval B, et al. J Comput Tomogr 1984 Jul;8(3):253–5

Computed tomography appearance of Golden's 'S' sign. Reinig JW, et al. J Comput Tomogr 1984 Jul;8(3):219–23

Fibrobullous disease of the upper lobes: an extraskeletal manifestation of ankylosing spondylitis. Rumancik WM, et al. J Comput Tomogr 1984 Jul;8(3):225–9

Computed tomography diagnosis of right aortic arch with an aberrant left innominate artery. Schlesinger AE, et al. J Comput Tomogr 1984 Jan;8(1):81–7

Computed tomography of spine trauma. Shetty AK, et al. J Comput Tomogr 1984 Apr;8(2):105–12

Computed tomography of invasive pleural mesothelioma. Shin MS, et al. J Comput Tomogr 1983 Nov;7(4):389–94

Computed tomography of juxtacardiac pheochromocytoma. Shirkhoda A, et al. J Comput Tomogr 1984 Jul;8(3):207–9

Sacral abnormalities—computed tomography versus conventional radiography. Shirkhoda A, et al. J Comput Tomogr 1984 Jan;8(1):41–51

Unsuspected mediastinal hematoma diagnosed by computed tomography. Siefkin AD, et al. J Comput Tomogr 1984 Jul;8(3):211–4

Testicular tumor presenting with lymph node calcification on computed tomography: a case report. Thornton A, et al. J Comput Tomogr 1984 Jul;8(3):245–8

Computed tomography in the diagnosis of extramedullary plasmacytoma. Twomey BP, et al. J Comput Tomogr 1983 Nov;7(4):407–8

Subpleural pulmonary hamartoma: demonstration by computed tomography. Varma DG, et al. J Comput Tomogr 1984 Jul;8(3):215–8

Calcified bronchopulmonary sequestration. Wojtowycz M, et al. J Comput Tomogr 1984 Apr;8(2):171–3

Computed tomographic evaluation of the excluded stomach in gastric bypass. Zingas AP, et al. J Comput Tomogr 1984 Jul;8(3):231–6

The spectrum of computed tomographic appearance of metastatic masses from testicular neoplasms. Zingas AP, et al. J Comput Tomogr 1984 Jan;8(1):53–60

CT biopsy of cerebral toxoplasmosis in AIDS. Rodan BA, et al. J Fla Med Assoc 1984 Mar;71(3):158–60

Localization of an osteoid osteoma nidus in a finger by use of computed tomography: a case report. McConnell B 3d, et al. J Hand Surg [Am] 1984 Jan;9A(1):139–41

Computerized tomography examination for the detection of positional changes in the temporomandibular joint after ramus osteotomies with screw fixation. Spitzer W, et al. J Maxillofac Surg 1984 Jun;12(3):139–42

Computed tomography of the chest: current indications. Somogyi JW. J Med Assoc Ga 1984 Feb;73(2):71–5 (33 ref.)

Computerized tomography-guided percutaneous needle biopsy. Jewel KL. J Med Soc NJ 1984 Apr;81(4):297–9

Demonstration by computed tomography of delayed thyroid metastasis. Chawla K, et al. J Natl Med Assoc 1984 Apr; 76(4):411–2

Differences in cerebral asymmetries related to drinking history and ethnicity. A computerized axial tomography (CAT) scan study. McShane D, et al. J Nerv Ment Dis 1984 Sep;172(9):529–32

The value of CT in diagnosis and prognosis of different inborn neurodegenerative disorders in childhood. Wende S, et al. J Neurol 1984;231(2):57–70

Tardive dyskinesia: clinical correlation with computed tomography in patients aged less than 60 years. Brainin M, et al. J Neurol Neurosurg Psychiatry 1983 Nov; 46(11):1037–40

CT scan correlates of gesture recognition. Ferro JM, et al. J Neurol Neurosurg Psychiatry 1983 Oct;46(10):943–52

Unusual CT scan findings in pseudohypoparathyroidism [letter] Gopalakrishna K, et al. J Neurol Neurosurg Psychiatry 1984 Apr;47(4):418–9

CT scan evidence of postero-latero thalamic infarction in pure sensory stroke [letter] Landi G, et al. J Neurol Neurosurg Psychiatry 1984 May;47(5):570–1

Cranial CT in the haemolytic uraemic syndrome. Mendelsohn DB, et al. J Neurol Neurosurg Psychiatry 1984 Aug; 47(8):876–8

Computed tomography in neurocysticercosis. Minguetti G, et al. J Neurol Neurosurg Psychiatry 1983 Oct; 46(10):936–42

CT scan in severe diffuse head injury: physiological and clinical correlations. Teasdale E, et al. J Neurol Neurosurg Psychiatry 1984 Jun;47(6):600–3

Brain CT-scanning and neurological examination in small cell bronchogenic carcinoma. Pedersen AG, et al. J Neurooncol 1983;1(3):197–202

Central cortico-subcortical pattern on CT in cerebral palsy. Its relevance to asphyxia. Barth PG, et al. J Neuroradiol 1984;11(1):65–71 (Eng, Fre)

Tomodensitometric evaluation of the results of radiochemotherapy of cerebral metastases. Ruggiero G, et al. J Neuroradiol 1983;10(3):275–80 (Eng, Fre)

CT diagnosis of phakomatosis. Salvolini U, et al. J Neuroradiol 1984;11(1):29–45 (Eng, Fre)

Does moyamoya disease cause subarachnoid hemorrhage? Review of 54 cases with intracranial hemorrhage confirmed by computerized tomography. Aoki N, et al. J Neurosurg 1984 Feb;60(2):348–53

Coronal computerized angiotomography for the diagnosis of isodense chronic subdural hematoma. Asari S, et al. J Neurosurg 1984 Oct;61(4):729–32

Experimental anaerobic brain abscess. Computerized tomographic and neuropathological correlations. Britt RH, et al. J Neurosurg 1984 Jun;60(6):1148–59

Clinical stages of human brain abscesses on serial CT scans after contrast infusion. Computerized tomographic, neuropathological, and clinical correlations. Britt RH, et al. J Neurosurg 1983 Dec;59(6):972–89

The correlation between surgical and CT estimates of brain damage following missile wounds. Carey ME, et al. J Neurosurg 1984 May;60(5):947–54

Evaluation of cervical spinal cord injuries with metrizamide myelography–CT scanning. Cooper PR, et al. J Neurosurg 1984 Aug;61(2):281–9

Significance of contrast enhancement in cranial computerized tomography after subarachnoid hemorrhage. Doczi T, et al. J Neurosurg 1984 Feb;60(2):335–42

Computerized tomography of cranial sutures. Part 2: Abnormalities of sutures and skull deformity in craniosynostosis. Furuya Y, et al. J Neurosurg 1984 Jul; 61(1):59–70

Computerized tomography of cranial sutures. Part 1: Comparison of suture anatomy in children and adults. Furuya Y, et al. J Neurosurg 1984 Jul;61(1):53–8

The value of computerized tomography in aneurysmal subarachnoid hemorrhage. The concept of the CT score. Gurusinghe NT, et al. J Neurosurg 1984 Apr;60(4):763–70

Diagnosis of an 'isodense' pituitary microadenoma by dynamic CT scanning. Case report. Hasegawa T, et al. J Neurosurg 1984 Feb;60(2):424–7

Outcome from severe head injury related to the type of intracranial lesion. A computerized tomography study. Lobato RD, et al. J Neurosurg 1983 Nov;59(5):762–74

CT-guided stereotaxic evacuation of hypertensive intracerebral hematomas. Matsumoto K, et al. J Neurosurg 1984 Sep;61(3):440–8

Risk of CT scanning for epidural hematomas [letter] Rapport RL. J Neurosurg 1984 May;60(5):1112

A variant of normal-pressure hydrocephalus simulating Pick's disease on computerized tomography. Report of two cases. Salibi NA, et al. J Neurosurg 1983 Nov;59(5):902–4

Cerebral hemodynamics in normal-pressure hydrocephalus. Evaluation by 133Xe inhalation method and dynamic CT study. Tamaki N, et al. J Neurosurg 1984 Sep;61(3):510–4

Absent or compressed basal cisterns on first CT scan: ominous predictors of outcome in severe head injury. Toutant SM, et al. J Neurosurg 1984 Oct;61(4):691–4

The prognostic value of computerized tomography in comatose head-injured patients. van Dongen KJ, et al. J Neurosurg 1983 Dec;59(6):951–7

Causes of acute deterioration in patients with a ruptured intracranial aneurysm. A prospective study with serial CT scanning. Vermeulen M, et al. J Neurosurg 1984 May; 60(5):935–9

Cerebral air embolism occurring at angiography and diagnosed by computerized tomography. Case report. Voorhies RM, et al. J Neurosurg 1984 Jan;60(1):177–8

Sacral agenesis: usefulness of CT study. Cerisoli M, et al. J Neurosurg Sci 1983 Oct-Dec;27(4):261–4

Computed tomography in the management of spinal cord arteriovenous malformations. Guglielmi G, et al. J Neurosurg Sci 1984 Jan-Mar;28(1):33–6

Computed tomography of sphenoid sinus mucocele. Chui MC, et al. J Otolaryngol 1983 Aug;12(4):263–9

Computed tomography in otoneurology. Marquet J, et al. J Otolaryngol 1984 Aug;13(4):241–6

Computed tomography with histopathologic correlation in children with leukokoria. Katz NN, et al. J Pediatr Ophthalmol Strabismus 1984 Mar-Apr;21(2):50–6

Computed tomography in the evaluation of the gluteal region. Fisher MR, et al. J Pediatr Orthop 1983 Sep; 3(4):516–22

Preoperative evaluation of pediatric abdominal tumor volumes by computerized tomography. Cohen MD, et al. J Pediatr Surg 1984 Jun;19(3):273

Diagnosis by computed tomography of temporomandibular joint meniscus displacement. Helms CA, et al. J Prosthet Dent 1984 Apr;51(4):544–7

CT scans in sub-groups of chronic schizophrenics. Kling AS, et al. J Psychiatr Res 1982–83;17(4):375–84

Corticosteroid hormonal influence on cranial computerized tomography: observations in the Rhesus monkey. Raskin RJ, et al. J Rheumatol 1983 Dec;10(6):977–80

Central nervous system diseases in systemic lupus erythematosus: axial tomographic scan as an aid to differential diagnosis [letter] Reinitz E, et al. J Rheumatol 1984 Apr;11(2):252–3

Computerized tomography in malignant tumors. Karakousis CP, et al. J Surg Oncol 1983 Oct;24(2):145–53

CAT scan of the month. Gammill SL, et al. J Tenn Med Assoc 1984 Mar;77(3):155

CAT scan of the month. Gammill SL, et al. **J Tenn Med Assoc** 1983 Jul;76(7):462

CAT scan of the month. Gammill SL, et al. **J Tenn Med Assoc** 1983 Nov;76(11):738–9

CAT scan of the month.Systemic candidiasis. Montgomery JH, et al. **J Tenn Med Assoc** 1984 Jul;77(7):404, 408

Transverse computerized axial tomography of patients with posterior dislocation of the hip. Ordway CB, et al. **J Trauma** 1984 Jan;24(1):76–9

Value of computed tomography in management of acute laryngeal injury. Stanley RB Jr. **J Trauma** 1984 Apr; 24(4):359–62

Imaging of fetal ectopia cordis: roles of sonography and computed tomography. Haynor DR, et al. **J Ultrasound Med** 1984 Jan;3(1):25–7

Sonographic and computed tomographic appearances of acquired renal cystic disease. McArdle CR, et al. **J Ultrasound Med** 1983 Nov;2(11):519–20

Ultrasonic and computed tomographic features of mucocele of the appendix. Sandler MA, et al. **J Ultrasound Med** 1984 Mar;3(3):97–100

Fatty infiltration of the liver: ultrasonographic and computed tomographic correlation. Scatarige JC, et al. **J Ultrasound Med** 1984 Jan;3(1):9–14

Computed tomographic and sonographic findings in acute ethylene glycol poisoning. Walker JT, et al. **J Ultrasound Med** 1983 Sep;2(9):429–31

Re: Stab wounds associated with hematuria—a review of 67 cases [letter] Hyams BB. **J Urol** 1984 May;131(5):985

Potential overstaging of bladder cancer by computerized tomography scanning. Lome LG, et al. **J Urol** 1984 Oct; 132(4):758–61

Re: Evaluation of renal injuries with computerized tomography [letter] Peterson NE. **J Urol** 1983 Dec; 130(6):1204

Renal infarction: computerized tomographic appearance with angiographic correlation. Reagan K, et al. **J Urol** 1984 Aug; 132(2):331–4

Use of computerized tomography in the delineation of uric acid calculi. Resnick MI, et al. **J Urol** 1984 Jan;131(1):9–10

Comparison of computerized tomography and excretory urography in detection and evaluation of renal masses. Stephenson TF, et al. **J Urol** 1984 Jan;131(1):11–3

Renal dysplasia with a single vaginal ectopic ureter: the role of computerized tomography. Utsunomiya M, et al. **J Urol** 1984 Jul;132(1):98–100

Too early to say, but NMR may hold edge in CNS scans [news] Goldsmith MF. **JAMA** 1984 Feb 17;251(7):871, 875–7

NMR v CT: questions of cost, complexity, and efficacy [news] Goldsmith MF. **JAMA** 1984 Feb 17;251(7):869–71

Abdominal aspiration biopsies. Sonographic v computed tomographic guidance. Pelaez JC, et al. **JAMA** 1983 Nov 18;250(19):2663–6

New contrast material improves detection of liver and spleen metastases. Vermess M. **JAMA** 1984 Feb 10;251(6):707–8

Sonographic and CT appearance of Krukenberg tumors. Athey PA, et al. **JCU** 1984 May;12(4):205–10

Screening for diffuse and focal liver disease: the case for hepatic computed tomography. Berland LL. **JCU** 1984 Feb;12(2):83–9

Screening for diffuse and focal liver disease: a surgeon's viewpoint. Copeland EM 3d. **JCU** 1984 Feb;12(2):91–2

Measurement of liver volume by ultrasound and computed tomography. Fritschy P, et al. **JCU** 1983 Aug; 11(6):299–303

Screening for diffuse and focal liver disease: the case for hepatic scintigraphy. McClees EC, et al. **JCU** 1984 Feb; 12(2):75–81

Ovarian vein thrombophlebitis: diagnosis by ultrasound and CT. Warhit JM, et al. **JCU** 1984 Jun;12(5):301–3

Noninvasive diagnosis of thrombus in the heart and large vessels—usefulness of two-dimensional echocardiography and X-ray CT. Masuda Y, et al. **Jpn Circ J** 1984 Jan; 48(1):83–9

Computed tomographic findings of neonatal intraventricular hemorrhage. Hayashi T, et al. **Kurume Med J** 1983; 30(4):129–31

Intracranial lipomas. Case presentations and CT features. Hayashi T, et al. **Kurume Med J** 1983;30(4):133–41

Predicting outcome after acute stroke: role of computerised tomography [letter] Allen CM. **Lancet** 1984 Aug 25; 2(8400):464–5

Diagnosis of pulmonary emphysema by computerised tomography. Hayhurst MD, et al. **Lancet** 1984 Aug 11; 2(8398):320–2

Detecting the Duchenne carrier by ultrasound and computerized tomography [letter] Heckmatt JZ, et al. **Lancet** 1983 Dec 10;2(8363):1364

Computed tomography to predict hardness of bileduct stones before endoscopic lithotripsy [letter] Staritz M, et al. **Lancet** 1984 Feb 25;1(8374):460

Xenon-enhanced computerised tomographic cerebral blood flow mapping [letter] Yonas H, et al. **Lancet** 1984 Jun 16; 1(8390):1357

Management of cervical spondylitic myelopathy [letter] Yu YL. **Lancet** 1984 Jul 21;2(8395):170–1

Changing concepts in the management of otitic intracranial infection: use of computerized axial tomography in early detection and monitoring of cerebritis. Freeman J. **Laryngoscope** 1984 Jul;94(7):907–11

Preoperative CT scan evaluation for laryngeal carcinoma: correlation with pathological findings. Hoover LA, et al. **Laryngoscope** 1984 Mar;94(3):310–5

Computed tomography in suppurative ear disease: a correlation of surgical and radiographic findings. Jackler RK, et al. **Laryngoscope** 1984 Jun;94(6):746–52

Selective application of CT in the management of laryngeal trauma. Schaefer SD, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1473–5

Tularemia: atypical presentation. Vento AO, et al. **Md State Med J** 1984 May;33(5):395–6

In-house CT service: the next clinical engineering crossroads. Judd TM, et al. **Med Instrum** 1983 Nov–Dec;17(6):423–7

CT scanning of the lumbar spine [letter] **Med J Aust** 1984 Mar 17;140(6):383–4

CT scanning of the lumbar spine [letter] **Med J Aust** 1984 Feb 4;140(3):179–80

Results of computerized tomography, psychometric testing and dietary studies in social drinkers, with emphasis on reversibility after abstinence. Cala LA, et al. **Med J Aust** 1983 Sep 17;2(6):264–9

High-resolution CT scanning of the lumbar spine [letter] Joel NC. **Med J Aust** 1984 Mar 3;140(5):305

Use of computed tomography in the percutaneous drainage of abdominal abscesses. Lawler GA, et al. **Med J Aust** 1984 Jul 21;141(2):104–7

High-resolution CT scanning of the lumbar spine [letter] Rush J. **Med J Aust** 1983 Nov 12;2(10):479

Computed tomography in the diagnosis of iliopsoas abscesses. Sykes JT, et al. **Med J Aust** 1984 Apr 14;140(8):492–3

Combining multiple-imaging techniques for in vivo pathology: a quantitative method for coupling new imaging modalities. Gordon R. **Med Phys** 1984 Jan–Feb;11(1):79–80

A model to generate beam profiles of the Varian Clinac 4 for three-dimensional dose calculation: open fields. Lam KS, et al. **Med Phys** 1984 Jan–Feb;11(1):61–4

Some phantom designs for radiation dosimetry and CT applications. Thomadsen BR, et al. **Med Phys** 1983 Nov–Dec;10(6):886–8

Intracranial hemorrhage diagnosis by CAT scan. A special review. Young PH. **Mo Med** 1984 Apr;81(4):194–202

Anatomy of the upper abdomen: computarized tomography. Acin F, et al. **Morphol Med** 1983 Oct;3(3):165–71

Horizontal cross-sections of the cervical spine. Computed tomography and anatomy every 6 mm. Le Floch-Prigent P. **Morphol Med** 1983 Oct;3(3):125–34

Computed-tomographical biometry of the cervical spine on horizontal cross-sections every 6 mm. Le Floch-Prigent P. **Morphol Med** 1983 Oct;3(3):135–41

Partial epilepsy [letter] Gilsanz V. **N Engl J Med** 1984 Jan 26;310(4):266–7

Computed tomography of the body (first of two parts). Wittenberg J. **N Engl J Med** 1983 Nov 10;309(19):1160–5 (60 ref.)

Computed tomography of the body. Wittenberg J. **N Engl J Med** 1983 Nov 17;309(20):1224–9 (61 ref.)

Low radiation exposure pelvimetry by digital radiography. Anderson JC, et al. **Nebr Med J** 1983 Nov;68(11):363–5

Spinal and radius bone measurement in renal osteodystrophy [letter] Mazess RB. **Nephron** 1984;38(1):71–2

Computed tomographic and nuclear magnetic resonance correlation of canine ceroid-lipofuscinosis with aging. Armstrong D, et al. **Neurobiol Aging** 1983 Winter; 4(4):297–303

CT scan studies of superficial cerebral regions: frequency and distribution of abnormalities in elderly psychiatric patients. Benes FM, et al. **Neurobiol Aging** 1983 Winter; 4(4):289–95

Lesions of the putamen and dystonia: CT and magnetic resonance imaging. Burton K, et al. **Neurology (NY)** 1984 Jul;34(7):962–5

CT of the brachial plexus in patients with cancer. Cascino TL, et al. **Neurology (NY)** 1983 Dec;33(12):1553–7

Nonspecificity of ring enhancement in 'medically cured' brain abscess. Dobkin JF, et al. **Neurology (NY)** 1984 Feb; 34(2):139–44

CT abnormalities and altered methotrexate clearance in children with CNS leukemia. Duffner PK, et al. **Neurology (NY)** 1984 Feb;34(2):229–33

Multifocal CT enhancement in MS. Ebers GC, et al. **Neurology (NY)** 1984 Mar;34(3):341–6

Attention deficit disorder: quantitative analysis of CT. Shaywitz BA, et al. **Neurology (NY)** 1983 Nov; 33(11):1500–3

Clinical–CT correlations in intracranial suppurative (bacterial) disease. Weisberg L. **Neurology (NY)** 1984 Apr; 34(4):509–10

Clinical and CT parameters in degenerative cerebellar atrophy in aged patients. Andreula CF, et al. **Neuroradiology** 1984;26(1):29–30

Pitfalls in the computed tomographic evaluation of the lumbar spine in disc disease. Braun IF, et al. **Neuroradiology** 1984;26(1):15–20

A comparative anatomical CT study of the vascular and nervous structures of the cerebello-pontine angle. Braun JP, et al. **Neuroradiology** 1984;26(1):3–7

CT and cerebral ischemic infarcts. Correlations between morphological and clinical-prognostic findings. Crisi G, et al. **Neuroradiology** 1984;26(2):101–5

Atypical CT findings in bacterial meningoencephalitis. Fink IJ, et al. **Neuroradiology** 1984;26(1):51–4

Cranial computed tomography in the phakomatoses. Gardeur D, et al. **Neuroradiology** 1983;25(4):293–304

Computed tomographic brain scan findings in Q fever encephalitis. Gomez-Aranda F, et al. **Neuroradiology** 1984; 26(4):329–32

The assessment of changes in brain volume using combined linear measurements. A CT-scan study. Gomori JM, et al. **Neuroradiology** 1984;26(1):21–4

High resolution computed tomography of the post partum pituitary gland. Hinshaw DB Jr, et al. **Neuroradiology** 1984; 26(4):299–301

Computed tomography of malignant lymphoma of the brain. Holtås S, et al. **Neuroradiology** 1984;26(1):33–8

Computed tomography in Krabbe's disease: comparison with neuropathology. Ieshima A, et al. **Neuroradiology** 1983; 25(5):323–7

Computed tomography of rhinocerebral mucormycosis. Kilpatrick C, et al. **Neuroradiology** 1984;26(1):71–3

Transmural passage of subarachnoid metrizamide into a cystic acoustic schwannoma of the cerebellopontine angle: a diagnostic dilemma. Kingsley DP, et al. **Neuroradiology** 1984;26(4):319–21

Computed tomography and aging: results in a normal elderly population. Laffey PA, et al. **Neuroradiology** 1984; 26(4):273–8

Computed tomographic evolution of post-traumatic subdural hygroma in young adults. Masuzawa T, et al. **Neuroradiology** 1984;26(3):245–8

Flattened sella turcica and CT appearance of normal pituitary gland. Matsui T, et al. **Neuroradiology** 1984;26(1):75–7

Is contrast-enhanced CT indicated in acute head injury? Mauser HW, et al. **Neuroradiology** 1984;26(1):31–2

CT-analyses of cerebral tumors under steroid therapy. Müller W, et al. **Neuroradiology** 1984;26(4):293–8

How to distinguish between bleeding and coagulated extradural hematomas on the plain CT scanning. Petersen OF, et al. **Neuroradiology** 1984;26(4):285–92

Computed tomography in late-onset metachromatic leucodystrophy. Schipper HI, et al. **Neuroradiology** 1984; 26(1):39–44

Clinical and CT confirmed recovery from central pontine myelinolysis. Schroth G. **Neuroradiology** 1984;26(2):149–51

Radiological features of subependymoma with emphasis on computed tomography. Stevens JM, et al. **Neuroradiology** 1984;26(3):223–8

Bicaudate diameter—the most specific and simple CT parameter in the diagnosis of Huntington's disease. Stober T, et al. **Neuroradiology** 1984;26(1):25–8

CT of posterior ocular staphyloma in axial myopia. Swayne LC, et al. **Neuroradiology** 1984;26(3):241–3

The innominate line. Whelan MA, et al. **Neuroradiology** 1984; 26(2):119–22

Computed tomographic findings in septo-optic dysplasia: discordance between clinical and radiological findings. Wilson DM, et al. **Neuroradiology** 1984;26(4):279–83

Computed tomography in migratory disorders of human brain development. Zimmerman RA, et al. **Neuroradiology** 1983;25(4):257–63

Computer-tomographic investigations in malformations of the occipito-cervical junction. Agnoli L, et al. **Neurosurg Rev** 1983;6(4):177–85

Computed tomographic discography in the evaluation of extreme lateral disc herniation. Angtuaco EJ, et al. **Neurosurgery** 1984 Mar;14(3):350–1

Value of computed tomographic myelography in neurofibromatosis. Angtuaco EJ, et al. **Neurosurgery** 1983 Dec;13(6):666–71

Cerebral abscess: loss of computed tomographic enhancement with steroids. Case report. Black KL, et al. **Neurosurgery** 1984 Feb;14(2):215–7

High resolution computed tomographic scanning in the detection of intratemporal neuromas of the facial nerve. Clark WC, et al. **Neurosurgery** 1983 Dec;13(6):672–5

Computed tomography of traumatic atlantooccipital dislocation. Gerlock AJ Jr, et al. **Neurosurgery** 1983 Sep; 13(3):316–9

Extreme lateral disc herniation: diagnosis by computed tomographic scanning. Godersky JC, et al. **Neurosurgery** 1984 May;14(5):549–52

Three-dimensional reconstruction of craniofacial deformity using computed tomography. Hemmy DC, et al. **Neurosurgery** 1983 Nov;13(5):534–41

Comparison of high resolution real time ultrasonography and high resolution computed tomography in an infant with spinal dysraphism. James HE, et al. **Neurosurgery** 1983 Sep; 13(3):301–5

Method of computed tomography-based stereotactic biopsy with arteriographic control. Kelly PJ, et al. **Neurosurgery** 1984 Feb;14(2):172–77

Computed tomography-guided percutaneous biopsy: a combined approach to the retroperitoneum. Messersmith RN, et al. **Neurosurgery** 1984 Feb;14(2):218–9

Role of computed tomography in the radiological evaluation of painful radiculopathy after negative myelography: foraminal neural entrapment. Osborne DR, et al. **Neurosurgery** 1984 Feb;14(2):147–53

The brain as a sponge: a computed tomographic look at Hakim's hypothesis. Penn RD, et al. **Neurosurgery** 1984 Jun;14(6):670–5

Spontaneous healing of extradural hematomas: report of four cases. Pozzati E, et al. **Neurosurgery** 1984 Jun;14(6):724–7

Microbubble embolism as a cause of computed tomographic changes of the brain after cardiopulmonary bypass. Kyoku I. **Nippon Geka Hokan** 1983 Nov 1;52(6):758–76

An analysis of the distributing pattern and tissue concentration of the biogenic amines in the well demarcated brain tumors and contrast enhancement by CT scan. HPLC and clinical application (V). Ikeda Y, et al. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):132–3

Pathophysiology of the severe head injury in children. Part 1. Acute traumatic intraventricular hemorrhage. Kobayashi S, et al. **Nippon Ika Daigaku Zasshi** 1983 Dec;50(6):899–903

A study on natural history of chronic subdural hematomas by analyzing CT findings. Kuzuhara M, et al. **Nippon Ika Daigaku Zasshi** 1984 Jun;51(3):390–2

Traumatic midbrain hemorrhage demonstrated by computerized axial tomography [letter] Atluru VL, et al. **NY State J Med** 1984 Jun;84(6):295–6

Computed tomography in chest disease. Taylor AJ. **NZ Med J** 1983 Oct 12;96(741):758–9

Computed tomography in diagnosis of puerperal ovarian vein thrombosis. Angel JL, et al. **Obstet Gynecol** 1984 Jan; 63(1):61–4

Computed tomography prior to second-look operation in advanced ovarian cancer. Goldhirsch A, et al. **Obstet Gynecol** 1983 Nov;62(5):630–4

Hyperprolactinemia: comparison of thyrotropic-releasing hormone and tomography. Shangold GA, et al. **Obstet Gynecol** 1984 Jun;63(6):771–5

Computed tomography in diagnosis and treatment of mandibular fractures. Report of a case. Tyndall DA, et al. **Oral Surg** 1983 Dec;56(6):567–70

Cranial computed tomography in pediatric migraine. Alvarez-Cermeño JC, et al. **Pediatr Radiol** 1984; 14(4):195–7

CT-guided percutaneous biopsies in pediatric patients. Baran GW, et al. **Pediatr Radiol** 1984;14(3):161–4

Pheochromocytoma in childhood: the important role of computed tomography in tumour localization. Farrelly CA, et al. **Pediatr Radiol** 1984;14(4):210–4

Mesenteric cyst: sonographic appearance with CT correlation. Geer LL, et al. **Pediatr Radiol** 1984;14(2):102–4

Computed tomography diagnosis of bronchial compression by the spine after surgical correction of scoliosis. Karoll M, et al. **Pediatr Radiol** 1984;14(5):335–6

Hypoxic/ischaemic cerebral injury in the neonatal brain. A report of sonographic features with computed tomographic correlation. Martin DJ, et al. **Pediatr Radiol** 1983; 13(6):307–12

Syringohydromyelia following meningomyelocele surgery—role of metrizamide myelography and computed tomography. Stanley P, et al. **Pediatr Radiol** 1984; 14(5):278–83

Rationale for grading intracranial hemorrhage in premature infants. Kuban K, et al. **Pediatrics** 1984 Sep;74(3):358–63

Alcohol consumption, neuropsychological status and computer-tomographic findings in a random sample of men and women from the general population. Bergman H, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:501–5

The electron density of bone for inhomogeneity correction in radiotherapy planning using CT numbers. Henson PW, et al. **Phys Med Biol** 1984 Apr;29(4):351–9

A study of the image discrepancies due to object time-dependence in transmission and emission tomography. Ip WR, et al. **Phys Med Biol** 1983 Aug;28(8):953–62

The influence of scattered radiation on the CT numbers of bone on a scanner with a fixed detector array. Moran PR, et al. **Phys Med Biol** 1983 Aug;28(8):939–51

Detectability of low-contrast features in computed tomography. Warren RC. **Phys Med Biol** 1984 Jan; 29(1):1–13

Computed tomography: new horizons for the plastic surgeon. Romm S, et al. **Plast Reconstr Surg** 1984 Mar;73(3):476–91 (104 ref.)

Phaeochromocytoma of the urinary bladder localized by selective venous sampling and computed tomography. Miller JL, et al. **Postgrad Med J** 1983 Aug;59(694):533–5

Computed tomography of the thorax. Strickland B. **Postgrad Med J** 1984 Mar;60(701):208–12

Ultrasonography and computed tomography in the staging of bladder and prostate cancers. Denis L, et al. **Prog Clin Biol Res** 1984;153:3–21

CT scanning and schizophrenia: a review. Dennert JW, et al. **Psychiatr Dev** 1983 Spring;1(1):105–22 (57 ref.)

Cerebellar morphology in chronic schizophrenic patients: a controlled computed tomography study. Dewan MJ, et al. **Psychiatry Res** 1983 Oct;10(2):97–103

A blind, controlled study of occipital cerebral asymmetry in schizophrenia. Luchins DJ, et al. **Psychiatry Res** 1983 Oct;10(2):87–95

Clinical correlates of sulcal widening in chronic schizophrenia. Nasrallah HA, et al. **Psychiatry Res** 1983 Dec;10(4):237–42

Lateral ventricular enlargement associated with persistent unemployment and negative symptoms in both schizophrenia and bipolar disorder. Pearlson GD, et al. **Psychiatry Res** 1984 May;12(1):1–9

CT scans and neuropsychological tests as predictors of clinical response in schizophrenics. Smith RC, et al. **Psychopharmacol Bull** 1983;19(3):505–9

Computed tomography analysis of the canine brain: effects of hemibrain X irradiation. Fike JR, et al. **Radiat Res** 1984 Aug;99(2):294–310

Symposium on CT of ear, nose, and throat. **Radiol Clin North Am** 1984 Mar;22(1):1–284

Symposium on CT and ultrasonography in the acutely ill patient. **Radiol Clin North Am** 1983 Sep;21(3):423–606

Ultrasonography and computed tomography in the evaluation of the acutely ill pediatric patient. Babcock DS, et al. **Radiol Clin North Am** 1983 Sep;21(3):527–50

CT of ear structures: a tailored approach. Chakeres DW. **Radiol Clin North Am** 1984 Mar;22(1):3–14

Abscess drainage with CT and ultrasound guidance. Clark RA, et al. **Radiol Clin North Am** 1983 Sep;21(3):445–59 (38 ref.)

CT of acoustic neuroma and other tumors of the ear. Curtin HD. **Radiol Clin North Am** 1984 Mar;22(1):77–105

CT of cochlear otosclerosis (otospongiosis). Damsma H, et al. **Radiol Clin North Am** 1984 Mar;22(1):37–43

Computed tomography of the kidney. Dunnick NR, et al. **Radiol Clin North Am** 1984 Jun;22(2):297–313 (56 ref.)

Computed tomography of blunt abdominal trauma. Federle MP. **Radiol Clin North Am** 1983 Sep;21(3):461–75

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

Computed tomography in acute cardiopulmonary disease. Goodman LR, et al. **Radiol Clin North Am** 1983 Dec; 21(4):741–58

CT of tumors and tumor-like conditions of the paranasal sinuses. Hasso AN. **Radiol Clin North Am** 1984 Mar; 22(1):119–30

Computed tomography of the lung. Densitometric studies. Hedlund LW, et al. **Radiol Clin North Am** 1983 Dec; 21(4):775–88

CT of laryngeal tumors. Horowitz BL, et al. **Radiol Clin North Am** 1984 Mar;22(1):265–79

CT and ultrasonography of acute renal abnormalities. Jeffrey RB, et al. **Radiol Clin North Am** 1983 Sep;21(3):515–25 (30 ref.)

CT of maxillofacial trauma. Johnson DH Jr. **Radiol Clin North Am** 1984 Mar;22(1):131–44

CT of the postsurgical ear. Johnson DW. **Radiol Clin North Am** 1984 Mar;22(1):67–75

A survey of digital chest radiography. Johnson GA, et al. **Radiol Clin North Am** 1983 Dec;21(4):655–64

Acute pancreatitis and its complications. Computed tomography and sonography. Lawson TL. **Radiol Clin North Am** 1983 Sep;21(3):495–513 (57 ref.)

CT in the evaluation of the vestibulocochlear nerves and their central pathways. Evaluation of neurotologic disorders. Mafee MF, et al. **Radiol Clin North Am** 1984 Mar;22(1):45–66

CT of the normal larynx. Mafee MF. **Radiol Clin North Am** 1984 Mar;22(1):251–64

Intraabdominal abscesses. Diagnosis by sonography and computed tomography. Mueller PR, et al. **Radiol Clin North Am** 1983 Sep;21(3):425–43 (59 ref.)

CT of the salivary glands. Rabinov K, et al. **Radiol Clin North Am** 1984 Mar;22(1):145–59

CT of the soft tissue structures of the neck. Reede DL, et al. **Radiol Clin North Am** 1984 Mar;22(1):239–50

Normal CT anatomy of the paranasal sinuses. Schatz CJ, et al. **Radiol Clin North Am** 1984 Mar;22(1):107–18

The carotid region: normal and pathologic anatomy on CT. Silver AJ, et al. **Radiol Clin North Am** 1984 Mar; 22(1):219–38

CT of the nasopharyngeal region. Normal and pathologic anatomy. Silver AJ, et al. **Radiol Clin North Am** 1984 Mar; 22(1):161–76

Cholesteatomas of the middle ear. Diagnosis, etiology, and complications. Swartz JD. **Radiol Clin North Am** 1984 Mar; 22(1):15–35

Advances in computed tomography of the thorax. Webb WR. **Radiol Clin North Am** 1983 Dec;21(4):723–39

CT of the base of the skull. Whelan MA, et al. **Radiol Clin North Am** 1984 Mar;22(1):177–217

Computed tomography of lung abscess and empyema. Williford ME, et al. **Radiol Clin North Am** 1983 Sep; 21(3):575–83

The role of CT in the early diagnostics and follow-up of malignant trophoblast diseases. Csobály AS, et al. **Radiol Diagn (Berl)** 1984;25(1):31–9

The usefulness of CT in the assessment of the resolution of the hematoma due to translumbar aortography. Ziemiański A. **Radiol Diagn (Berl)** 1983;24(6):745–8

Diagnostic value of CT scanning in neuromuscular diseases. Bulcke JA, et al. **Radiologe** 1983 Nov;23(11):523–8

Invasion of the sternum by lymphoma – role of CT. Stark P. **Radiologe** 1984 Mar;24(3):130–2

Biparietal thinning: correlation with CT findings. Wilms G, et al. **Radiologe** 1983 Aug;23(8):385–6

Myositis ossificans circumscripta: computed tomographic diagnosis. Amendola MA, et al. **Radiology** 1983 Dec; 149(3):775–9

CT patterns of splenic infarction: a clinical and experimental study. Balcar I, et al. **Radiology** 1984 Jun;151(3):723–9

Gastrohepatic ligament: normal and pathologic CT anatomy. Balfe DM, et al. **Radiology** 1984 Feb;150(2):485–90

Solid and papillary epithelial neoplasm of the pancreas. Radiographic, CT, sonographic, and angiographic features. Balthazar EJ, et al. **Radiology** 1984 Jan;150(1):39–40

Anorectal giant condyloma acuminatum (Buschke-Loewenstein tumor): CT and radiographic manifestations. Balthazar EJ, et al. **Radiology** 1984 Mar; 150(3):651–3

Comparison of CT and MR in 400 patients with suspected disease of the brain and cervical spinal cord. Bradley WG Jr, et al. **Radiology** 1984 Sep;152(3):695–702

Magnetic resonance of the brain: the optimal screening technique. Brant-Zawadzki M, et al. **Radiology** 1984 Jul; 152(1):71–7

Brainstem and related structures: normal CT anatomy using direct longitudinal scanning with metrizamide cisternography. Chakeres DW, et al. **Radiology** 1983 Dec; 149(3):709–15

Paragangliomas of the temporal bone: high-resolution CT studies. Chakeres DW, et al. **Radiology** 1984 Mar; 150(3):749–53

Percutaneous catheter drainage of deep neck infections guided by CT. Cole DR, et al. **Radiology** 1984 Jul; 152(1):224

Radiologic approach to paragangliomas of the temporal bone. Curtin HD. **Radiology** 1984 Mar;150(3):837–8

Cervical radiculopathy: computed tomography and myelography compared. Daniels DL, et al. **Radiology** 1984 Apr;151(1):109–13

The role of computed tomography in the evaluation of dissecting aortic aneurysms [letter] Danza FM, et al. **Radiology** 1984 Sep;152(3):827–9

The neck after vertical hemilaryngectomy: computed tomographic study. DiSantis DJ, et al. **Radiology** 1984 Jun; 151(3):683–7

Contrast medium accumulation and washout in canine brain tumors and irradiated normal brain: a CT study of kinetics. Fike JR, et al. **Radiology** 1984 Apr;151(1):115–20

Pancreas imaging by computed tomography after endoscopic retrograde pancreatography. Frick MP, et al. **Radiology** 1984 Jan;150(1):191–4

Computed-tomographic-guided biopsy of small apical and peripheral upper-lobe lung masses. Gatenby RA, et al. **Radiology** 1984 Feb;150(2):591–2

Lumbar spine: pretest predictability of CT findings. Giles DJ, et al. **Radiology** 1984 Mar;150(3):719–22

A calcified adenocarcinoma of the lung with very high CT numbers. Goldstein MS, et al. **Radiology** 1984 Mar; 150(3):785–6

Computed tomography of thoracic and lumbar spine fractures that have been treated with Harrington instrumentation. Golimbu C, et al. **Radiology** 1984 Jun; 151(3):731–3

The normal conus medullaris: CT criteria for recognition. Grogan JP, et al. **Radiology** 1984 Jun;151(3):661–4

Experimental pericardial inflammation evaluated by computed tomography. Hackney D, et al. **Radiology** 1984 Apr;151(1):145–8

Head trauma evaluated by magnetic resonance and computed tomography: a comparison. Han JS, et al. **Radiology** 1984 Jan;150(1):71–7

Branchial cleft anomalies and their mimics: computed tomographic evaluation. Harnsberger HR, et al. **Radiology** 1984 Sep;152(3):739–48

Radical pancreatectomy: postoperative evaluation by CT. Heiken JP, et al. **Radiology** 1984 Oct;153(1):211–5

CT scanograms for measuring leg length discrepancy. Helms CA, et al. **Radiology** 1984 Jun;151(3):802

Temporomandibular joint internal derangements: CT diagnosis. Helms CA, et al. **Radiology** 1984 Aug; 152(2):459–62

Concentric reduction of the dislocated hip. Computed-tomographic evaluation. Hernandez RJ. **Radiology** 1984 Jan;150(1):266–8

Benign exostoses and exostotic chondrosarcomas: evaluation of cartilage thickness by CT. Hudson TM, et al. **Radiology** 1984 Sep;152(3):595–9

Aggressive fibromatosis: evaluation by computed tomography and angiography. Hudson TM, et al. **Radiology** 1984 Feb;150(2):495–501

Adrenal cortex dysfunction: CT findings. Huebener KH, et al. **Radiology** 1984 Jan;150(1):195–9

Computed tomography in the evaluation of diverticulitis. Hulnick DH, et al. **Radiology** 1984 Aug;152(2):491–5

Temporal bone trauma: high-resolution computed tomographic evaluation. Johnson DW, et al. **Radiology** 1984 May;151(2):411–5

A CT-clinical approach to patients with symptoms related to the V, VII, IX-XII cranial nerves and cervical sympathetics. Kalovidouris A, et al. **Radiology** 1984 Jun; 151(3):671–6

Porcelain gallbladder: ultrasound and CT appearance. Kane RA, et al. **Radiology** 1984 Jul;152(1):137–41

The Meckel cave: computed tomographic study. Part I: Normal anatomy; Part II: Pathology. Kapila A, et al. **Radiology** 1984 Aug;152(2):425–33

Computed tomography vs. arthrography in the evaluation of the temporomandibular joint [letter] Kaplan PA. **Radiology** 1984 Sep;152(3):825–7

Cerebral CT findings in toxemia of pregnancy. Kirby JC, et al. **Radiology** 1984 Apr;151(1):114

Intraoperative sonographic delineation of low-grade brain neoplasms defined poorly by computed tomography. Knake JE, et al. **Radiology** 1984 Jun;151(3):735–9

Orbital tumors in children. Characterization by computed tomography. Lallemand DP, et al. **Radiology** 1984 Apr; 151(1):85–8

Varicosity of the left renal ascending lumbar communicant vein: a pitfall in CT diagnosis. Lien HH, et al. **Radiology** 1984 Aug;152(2):484

High-resolution CT of the jugular foramen: anatomy and vascular variants and anomalies. Lo WW, et al.

Radiology 1984 Mar;150(3):743–7
High-resolution CT in the evaluation of glomus tumors of the temporal bone. Lo WW, et al. **Radiology** 1984 Mar; 150(3):737–42
Evaluation of the parotid gland. Comparison of sialography, non-contrast computed tomography, and CT sialography. McGahan JP, et al. **Radiology** 1984 Aug;152(2):453–8
Leiomyosarcoma: computed tomographic findings. McLeod AJ, et al. **Radiology** 1984 Jul;152(1):133–6
CT-guided liver biopsies: eight years' experience. Work in progress. Martino CR, et al. **Radiology** 1984 Sep; 152(3):755–7
Implantation of brain tumors with Cf-252. Use of computed tomography and magnetic resonance imaging to guide insertion and evaluate response. Maruyama Y, et al. **Radiology** 1984 Jul;152(1):177–81
Portal vein involvement in hepatocellular carcinoma: dynamic CT features. Mathieu D, et al. **Radiology** 1984 Jul;152(1):127–32
CT of thrombosed arteriovenous malformations in children. Mitnick JS, et al. **Radiology** 1984 Feb;150(2):385–9
Kaposi sarcoma and lymphadenopathy syndrome: limitations of abdominal CT in acquired immunodeficiency syndrome. Moon KL Jr, et al. **Radiology** 1984 Feb;150(2):479–83
Traumatic dural tears: CT diagnosis using metrizamide. Morris RE, et al. **Radiology** 1984 Aug;152(2):443–6
Hepatic tumors: magnetic resonance and CT appearance. Moss AA, et al. **Radiology** 1984 Jan;150(1):141–7
Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part II: Current procedural concepts. Mueller PR, et al. **Radiology** 1984 May;151(2):343–7
Popliteal artery entrapment demonstrated by CT. Müller N, et al. **Radiology** 1984 Apr;151(1):157–8
Metastatic cervical adenopathy from tumors of unknown origin: the role of CT. Muraki AS, et al. **Radiology** 1984 Sep;152(3):749–53
How does magnetic resonance compare with computed tomography? Murphy WA. **Radiology** 1984 Jul; 152(1):235–6
Left ventricular volume: physical basis for attenuation corrections in radionuclide determinations. Nickoloff EL, et al. **Radiology** 1984 Aug;152(2):511–5
Intracerebral hemorrhage secondary to cerebral amyloid angiopathy. Patel DV, et al. **Radiology** 1984 May; 151(2):397–400
Thyroid imaging: comparison of high-resolution real-time ultrasound and computed tomography. Radecki PD, et al. **Radiology** 1984 Oct;153(1):145–7
Intraosseous pneumatocysts of the ilium. Findings on radiographs and CT scans. Ramirez H Jr, et al. **Radiology** 1984 Feb;150(2):503–5
Medullary nephrocalcinosis and pancreatic calcifications demonstrated by ultrasound and CT in infants after treatment with ACTH. Rausch HP, et al. **Radiology** 1984 Oct;153(1):105–7
Extraocular muscle enlargement: a CT review. Rothfus WE, et al. **Radiology** 1984 Jun;151(3):677–81
Optic nerve/sheath enlargement. A differential approach based on high-resolution CT morphology. Rothfus WE, et al. **Radiology** 1984 Feb;150(2):409–15
Ultrasound transmission computed tomography of the breast. Schreiman JS, et al. **Radiology** 1984 Feb;150(2):523–30
Computed tomography of the carotid space and related cervical spaces. Part I: Anatomy. Silver AJ, et al. **Radiology** 1984 Mar;150(3):723–8
Computed tomography of the carotid space and related cervical spaces. Part II: Neurogenic tumors. Silver AJ, et al. **Radiology** 1984 Mar;150(3):729–35
Carcinoma of the larynx and hypopharynx: computed tomographic-histopathologic correlations. Silverman PM, et al. **Radiology** 1984 Jun;151(3):697–702
Magnetic resonance and CT of the normal and diseased pancreas: a comparative study. Stark DD, et al. **Radiology** 1984 Jan;150(1):153–62
CT of pancreatic islet cell tumors. Stark DD, et al. **Radiology** 1984 Feb;150(2):491–4
Hyperdense renal masses: a CT manifestation of hemorrhagic renal cysts. Sussman S, et al. **Radiology** 1984 Jan; 150(1):207–11
Fenestral otosclerosis: significance of preoperative CT evaluation. Swartz JD, et al. **Radiology** 1984 Jun; 151(3):703–7
Primary biliary carcinoma: CT evaluation. Thorsen MK, et al. **Radiology** 1984 Aug;152(2):479–83
CT findings of atrial myxoma. Tsuchiya F, et al. **Radiology** 1984 Apr;151(1):139–43
Orbital apex fractures: the contribution of computed tomography. Unger JM. **Radiology** 1984 Mar;150(3):713–7
CT- and ultrasound-guided catheter drainage of empyemas after chest-tube failure. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):349–53
Percutaneous drainage of 250 abdominal abscesses and fluid collections. Part I: Results, failures, and complications. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):337–41
Prolactin-secreting pituitary adenomas: CT appearance in diffuse invasion. Virapongse C, et al. **Radiology** 1984 Aug; 152(2):447–51
The normal sacroiliac joint: a CT study of asymptomatic patients. Vogler JB 3d, et al. **Radiology** 1984 May; 151(2):433–7
Inguinal hernia: CT appearance after injection therapy. Widlus DM. **Radiology** 1984 Apr;151(1):156
Histoplasmosis of the adrenal glands studied by CT. Wilson DA, et al. **Radiology** 1984 Mar;150(3):779–83
Renal infarction: CT diagnosis and correlation between CT findings and etiologies. Wong WS, et al. **Radiology** 1984 Jan;150(1):201–5
Mapping cerebral blood flow by xenon-enhanced computed tomography: clinical experience. Yonas H, et al. **Radiology** 1984 Aug;152(2):435–42
A standard phantom for quantitative CT analysis of pulmonary nodules. Zerhouni EA, et al. **Radiology** 1983 Dec;149(3):767–73
Subdural empyema: CT findings. Zimmerman RD, et al. **Radiology** 1984 Feb;150(2):417–22
The spread of carcinoma of the base of the tongue as detected by computer tomography. Byrd SE, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):247–50
Computed tomography of the lateropharyngeal space. Unger JM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(3):241–5
The contribution of computed tomography to the management of glomus tumors of the temporal bone. Valavanis A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(5):411–5
The value of the direct semi-longitudinal CT-plane (Zonneveld) in the preoperative evaluation of petrous bone pathology. A new otological approach. Zonneveld FW, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):387–93
Radiographic case of the month. Dislocation of the meniscus of the temporomandibular joint. Cohen HR, et al. **RI Med J** 1983 Oct;66(10):409–10
Radiographic case of the month. Aldosterone secreting adrenal tumor. Deutsch AM, et al. **RI Med J** 1984 Feb; 67(2):87–9
Radiographic case of the month: acourstic neuroma. Ryvicker MJ, et al. **RI Med J** 1983 Aug;66(8):313–4
Radiographic case of the month: glomus tympanicum tumor. Schatz SL, et al. **RI Med J** 1984 Apr;67(4):179–80
Computed tomography in the management of head and neck cancers. Torres WD, et al. **RI Med J** 1983 Nov; 66(11):459–63
Possibilities and limits of computed tomography and angiography in diagnosis of cerebral vascular malformations. Bešenski N, et al. **ROFO** 1983 Oct; 139(4):378–82
Sequential CT appearances in herpes simplex encephalopathy (HSE) sequelae complicated by trauma. Case report. Kaiser MC, et al. **ROFO** 1983 Dec;139(6):692–4
Ultrasonographic and computed tomographic findings of thromboembolism of the portal system by superior mesenteric vein thrombosis as a complication of appendicitis. Oei TK, et al. **ROFO** 1984 Apr;140(4):473–5
Computed tomography of the adrenal glands in Addison's disease. Rzymski K, et al. **ROFO** 1984 Jan;140(1):48–9
Acute afferent loop syndrome simulating pancreatic pseudocysts. Diagnostic pitfall with CT. Sigurjónsson SV, et al. **ROFO** 1983 Dec;139(6):699–701
The value of conventional radiography and computed tomography (CT) in diagnosis of pulmonary hamartoma. Oei TK, et al. **Rontgenblatter** 1983 Oct;36(10):324–7
Computed tomography studies of human brain movements. Podlas H, et al. **S Afr J Surg** 1984 Feb-Mar;22(1):57–63
Computed tomographic diagnosis of basilar artery ectasia. Mendelsohn DB, et al. **S Afr Med J** 1983 Nov 19; 64(22):867–9
Current methods in direct imaging of uterine and ovarian tumours. Jirouš J. **Sb Ved Pr Lek Fak Univ Karlovy** 1983; 26(1):1–115
Computer tomography of the abdomen in patients with uncharacteristic abdominal disturbances. Kolmannskog F, et al. **Scand J Gastroenterol** 1983 Mar;18(2):225–7
Evaluation of liver steatotic and fibrous content by computerized tomography and ultrasound. Pamilo M, et al. **Scand J Gastroenterol** 1983 Sep;18(6):743–7
Cephalometric radiography and computed tomography in infants undergoing major craniofacial surgery—a comparison. Lilja J, et al. **Scand J Plast Reconstr Surg** 1983; 17(1):63–72
Computed tomography and ultrasound studies of prostatic utricle cyst associated with unilateral renal agenesis. A case report. Holm L, et al. **Scand J Urol Nephrol** 1984;18(1):87–9
Ophthalmoplegia plus: CSF and CT features of seven cases. Poloni M, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(1):41–52
Computed tomographic evaluation of esophageal carcinoma. Halvorsen RA, et al. **Semin Oncol** 1984 Jun;11(2):113–26
Enlarged brain stem. Ball JB Jr. **Semin Roentgenol** 1984 Jan; 19(1):3–4
CT of acute and chronic distal air space (alveolar) disease. Genereux GP. **Semin Roentgenol** 1984 Jul;19(3):211–21
CT of solitary cavitary infiltrates. Gross BH, et al. **Semin Roentgenol** 1984 Jul;19(3):236–42 (21 ref.)
CT of lobar collapse. Naidich DP, et al. **Semin Roentgenol** 1984 Jul;19(3):222–35 (21 ref.)
Evaluation of the bronchi with CT. Proto AV. **Semin Roentgenol** 1984 Jul;19(3):199–210
CT of localized lucent lung lesions. Putman CE, et al. **Semin Roentgenol** 1984 Jul;19(3):173–88 (30 ref.)
Computed tomography of the solitary pulmonary nodule. Siegelman SS, et al. **Semin Roentgenol** 1984 Jul; 19(3):165–72
CT of solitary pulmonary vascular lesions. Webb WR. **Semin Roentgenol** 1984 Jul;19(3):189–98 (26 ref.)
Computed tomography guided thin needle biopsy of small lytic bone lesions. Gatenby RA, et al. **Skeletal Radiol** 1984; 11(4):289–91
Computed tomography in the management of acetabular fractures. Griffiths HJ, et al. **Skeletal Radiol** 1984; 11(1):22–31
Computed tomography of the sternum and its articulations. Hatfield MK, et al. **Skeletal Radiol** 1984;11(3):197–203
Tumor infiltration of the bone marrow: comparative study using computed tomography. Hermann G, et al. **Skeletal Radiol** 1984;11(1):17–21
Computed tomography demonstration of distal femoral (trochlear) articular groove: a normal variant. Patel RB, et al. **Skeletal Radiol** 1983;10(3):170–2
Computed tomography of cortical desmoid. Pennes DR, et al. **Skeletal Radiol** 1984;12(1):40–2
Multiple myeloma: early vertebral involvement assessed by computerised tomography. Solomon A, et al. **Skeletal Radiol** 1984;11(4):258–61
Lesions at the foramen of Monro: evaluation by computed tomography, angiography, and pneumoencephalography. Brooks BS, et al. **South Med J** 1983 Dec;76(12):1515–23
Cervical disk degeneration and herniation: diagnosis by computerized tomography. Coin CG. **South Med J** 1984 Aug;77(8):979–82
Computed tomography for metastatic lesions of the osseous pelvis. Cranston PE, et al. **South Med J** 1983 Dec; 76(12):1503–6
Vertebral sarcoidosis: demonstration of bone involvement by computerized axial tomography. Dinerstein SL, et al. **South Med J** 1984 Aug;77(8):1060–1
Computerized tomography in evaluation of hepatic neoplasms. Luna RF, et al. **South Med J** 1984 Aug; 77(8):1015–9
Esophageal hemangioma: diagnosis with computed tomography and radionuclide angiography. Palchick BA, et al. **South Med J** 1983 Dec;76(12):1582–4
Usefulness of computerized tomography in evaluating necrotizing fasciitis. Rogers JM, et al. **South Med J** 1984 Jun;77(6):782–3
Intra-articular calcified bodies: detection by computed arthrotomography. Tehranzadeh J, et al. **South Med J** 1984 Jun;77(6):703–10
CT in the evaluation of spine infection. Brant-Zawadzki M, et al. **Spine** 1983 May-Jun;8(4):358–64
Computed tomographic demonstration of spinal metastases. Braunstein EM, et al. **Spine** 1983 Nov-Dec;8(8):912–5
Computed tomography of lumbar disc herniation. Hirofuji E, et al. **Spine** 1983 Apr;8(3):300–4
Computed tomography in the diagnosis of a herniated disk at the L5-S1 level. Kornberg M, et al. **Spine** 1984 May-Jun; 9(4):433–6
Unstable thoracolumbar fractures. A study by CT and conventional roentgenology of the reduction effect of Harrington instrumentation. Willén J, et al. **Spine** 1984 Mar; 9(2):214–9
Radiation exposure in high resolution computed tomography of the spine. John V, et al. **Strahlentherapie** 1984 Feb; 160(2):100–3
Computerized tomography in carcinoma of the prostate: treatment volume and morbidity in radiotherapy. Mak AC, et al. **Strahlentherapie** 1984 Apr;160(4):244–5
CSF lactate and CT findings in middle cerebral artery infarction. A comparative study. Busse O, et al. **Stroke** 1983 Nov-Dec;14(6):960–3
Clinical-CT correlations in TIA, RIND, and strokes with minimum residuum. Calandre L, et al. **Stroke** 1984 Jul-Aug; 15(4):663–6
CT visualization of intracranial arterial thromboembolism. Gács G, et al. **Stroke** 1983 Sep-Oct;14(5):756–62
A cerebrovascular accident with unusual features. Gautier JC, et al. **Stroke** 1983 Sep-Oct;14(5):808–10
Sequential computerized tomographic appearance of strokes. Hakim AM, et al. **Stroke** 1983 Nov-Dec;14(6):893–7
Patency of external and internal carotid artery in the presence of an occluded common carotid artery: noninvasive evaluation with combined cerebrovascular Doppler examination and sequential computertomography. Keller HM, et al. **Stroke** 1984 Jan-Feb;15(1):149–57
The prognostic value of the CT scan in conservatively treated patients with intracerebral hematoma. Steiner I, et al. **Stroke** 1984 Mar-Apr;15(2):279–82
Use of stable xenon (Xe) and CT to determine rCBF [letter] Turski P, et al. **Stroke** 1984 Sep-Oct;15(5):916–7
Assessment of neurological dysfunction and recovery in alcoholics: CT scanning and other techniques. Carlen PL, et al. **Subst Alcohol Actions Misuse** 1983;4(2-3):191–7
Computed-tomographically guided percutaneous transmastoid drainage of a cerebellar abscess. Coin CG, et al. **Surg Neurol** 1983 Nov;20(5):387–90
Cerebrospinal fluid abdominal cyst. Computed tomographic resolution of a sonographic dilemma. Gebarski KS, et al. **Surg Neurol** 1984 Apr;21(4):414–6
Chiari malformation presenting as loss of cerebellar substance on computed tomography. Gebarski SS, et al. **Surg Neurol** 1984 Jun;21(6):562–4
Dynamic computed tomography scanning with combined metrizamide and arterial bolus injection in arteriovenous malformation of the spinal cord. Guinto FC Jr, et al. **Surg Neurol** 1984 Aug;22(2):181–5
Unusual computed tomographic findings in a case of

arachnoid cyst in the middle cranial fossa. Hara H, et al. **Surg Neurol** 1984 Jul;22(1):79–82

Computed tomography of an optic chiasm glioma in an elderly patient. Jamshidi S, et al. **Surg Neurol** 1984 Jan; 21(1):83–7

Computed tomography in penetrating cranial injury by a wooden foreign body. Jooma R, et al. **Surg Neurol** 1984 Mar;21(3):236–8

Transposition of volumetric information derived from computed tomography scanning into stereotactic space. Kelly PJ, et al. **Surg Neurol** 1984 May;21(5):465–71

Results of nuclear magnetic resonance with cerebral glioma. Comparison with computed tomography. Laster DW, et al. **Surg Neurol** 1984 Aug;22(2):113–22

Stereotactic exploration of the brain in the era of computed tomography. Lunsford LD, et al. **Surg Neurol** 1984 Sep; 22(3):222–30

Rapid and accurate diagnosis of herpes simplex encephalitis with computed tomography stereotaxic biopsy. Lunsford LD, et al. **Surg Neurol** 1984 Mar;21(3):249–57

Prolonged retention of contrast medium in an hypoxic neonatal brain. Naheedy MH, et al. **Surg Neurol** 1983 Nov; 20(5):369–72

Vascular studies in the preoperative evaluation of pituitary adenomas before transsphenoidal surgery. Rao KC, et al. **Surg Neurol** 1984 Feb;21(2):175–81

Local cerebral blood flow and partition coefficients measured in cerebral astrocytomas of different grades of malignancy. Tachibana H, et al. **Surg Neurol** 1984 Feb;21(2):125–31

Spinal subdural empyema: diagnosis by spinal computed tomography. Theodotou B, et al. **Surg Neurol** 1984 Jun; 21(6):610–2

Emission and transmission tomography of the brain in cerebrovascular disease. Tsementzis SA, et al. **Surg Neurol** 1984 Apr;21(4):385–90

Estimation of rate of growth of malignant brain tumors by computed tomography scanning. Yamashita T, et al. **Surg Neurol** 1983 Dec;20(6):464–70

The use of digital subtraction angiography and computed tomography scanning in localization of parathyroid adenomas in secondary parathyroid operations: preliminary observations. Esselstyn CB Jr, et al. **Surgery** 1983 Dec; 94(6):869–72

Prediction of the safe limits of hepatectomy by combined volumetric and functional measurements in patients with impaired hepatic function. Okamoto E, et al. **Surgery** 1984 May;95(5):586–92

Computed tomography and nuclear magnetic resonance imaging of pancreatic islet cell tumors. Stark DD, et al. **Surgery** 1983 Dec;94(6):1024–7

High-resolution ultrasonography and computed tomography of thyroid lesions in patients with hyperparathyroidism. Stark DD, et al. **Surgery** 1983 Dec;94(6):863–8

Unexplained heterochromia. Intraocular foreign body demonstrated by computed tomography. Barr CC, et al. **Surv Ophthalmol** 1984 Mar–Apr;28(5):409–11

Diagnosis of the empty sella with intrathecal metrizamide computed tomography. Price MJ, et al. **Surv Ophthalmol** 1983 Jul–Aug;28(1):42–4

Thrombosis of dural sinuses and cerebral veins: the CT findings. Chen HR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov;82(11):1175–9

Gas-CT cisternography in the diagnosis of small acoustic neuroma. Lui CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):1001–4

Dissecting aortic aneurysm diagnosed by computed tomography: experience of 37 cases. Su CT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):256–67

Lumbar hernia simulating an adrenal pseudotumor – case report – a CT diagnosis. Wang JH. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jun;82(6):795–9

Computerised tomography in orbital problems. Gibson RD. **Trans Ophthalmol Soc NZ** 1983;35:89–93

Delayed diagnosis of optic nerve or chiasmal compression as a result of negative CT scanning. Foulds WS, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):543–50

The use of high resolution CT scanning in clinical otology. Hunsicker RC, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):173–7

Migrations of fluid of pancreatic origin: ultrasonic and CT study of 28 cases. Weill F, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):485–96

Renal medullary 'rings': possible CT manifestation of hypercalcemia. Curry NS, et al. **Urol Radiol** 1984; 6(1):48–50

Computed tomography of pediatric urinary tract disease. Kirks DR. **Urol Radiol** 1983;5(3):199–210

Lymphography and computed tomography in staging nonseminomatous testicular cancer: limited detection of early stage metastatic disease. Marincek B, et al. **Urol Radiol** 1983;5(4):243–6

Adrenal myelolipoma: CT and ultrasound findings. Vick CW, et al. **Urol Radiol** 1984;6(1):7–13

Squamous cell carcinoma of the renal pelvis: case report emphasizing sonographic and CT appearance. Wimbish KJ, et al. **Urol Radiol** 1983;5(4):267–9

Computed tomography and composition of renal calculi. Kuwahara M, et al. **Urol Res** 1984;12(2):111–3

Computed tomography, sonographic, and radiographic findings in adrenal myelolipoma. Cintron E, et al. **Urology** 1984 Jun;23(6):608–10

Use of CT-guided percutaneous bone biopsy in staging of genitourinary tumors. Golimbu C, et al. **Urology** 1983 Sep; 22(3):322–5

Computed tomography of perirenal and pararenal inflammatory disease complicating renal calculi. Saksouk FA, et al. **Urology** 1984 Aug;24(2):200–4

Computed tomographic findings in renal angiomyolipoma: an histologic correlation. Sant GR, et al. **Urology** 1984 Sep; 24(3):293–6

Value of chest computed tomography in genitourinary malignancies. Suttou S, et al. **Urology** 1983 Dec;22(6):667–8

Osteoporosis. Part I. Advanced radiologic assessment using quantitative computed tomography. **West J Med** 1983 Jul; 139(1):75–84

Hydrocephalus caused by tuberculous meningitis: clinical picture, CT findings and results of shunt surgery. Upadhyaya P, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:76–9

[Computerized tomography (CT) in bronchogenic carcinoma—analysis of 100 cases] Su XZ. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):50–3 (Eng. Abstr.) (Chi)

[Application of CT in radiotherapy] Huang YR. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):221–3 (Chi)

[CT diagnosis of liver cirrhosis] Li GZ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb;18(1):10–3 (Eng. Abstr.) (Chi)

[CT diagnosis in three types of cerebrovascular diseases] Wu EH. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb; 18(1):14–6 (Eng. Abstr.) (Chi)

[Computed tomography in the diagnosis of supratentorial cerebral infarction] Wu EH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 May; 17(2):98–101 (Eng. Abstr.) (Chi)

[CT diagnosis of intracranial tumoral hemorrhage (ITH)] Wu EH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug; 17(3):185–7 (Eng. Abstr.) (Chi)

[Computerized tomographic findings and clinical manifestations of hypertensive cerebral hemorrhage with rupture into ventricles] Wang YS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb; 17(1):27–30 (Eng. Abstr.) (Chi)

[Acute spontaneous intracerebral hemorrhage—report of 100 cases confirmed by CT scan] Yang LC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb; 17(1):23–6 (Eng. Abstr.) (Chi)

[Application of computed tomography in orthopedic disorders of the trunk] Wang JF. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):222–4 (Chi)

[Computed tomographic classification and results of rehabilitation in spontaneous putaminal hemorrhage] Chung PC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct; 82(10):1060–4 (Eng. Abstr.) (Chi)

[Monitoring of surgical and conservative treatment of cerebral parenchymal hemorrhage using computer tomography] Kalvach P, et al. **Cas Lek Cesk** 1984 Jan 6; 123(1):10–4 (Eng. Abstr.) (Cze)

[Pneumocisternography with computer tomography in the diagnosis of acoustic neurinomas] Dutka J, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):281–6 (Eng. Abstr.) (Cze)

[Cerebral complications after irradiation and administration of methotrexate in lymphatic leukemia in the computerized tomography picture] Kvíčala V, et al. **Cesk Neurol Neurochir** 1984 May;47(3):158–63 (Eng. Abstr.) (Cze)

[Computer tomography of the orbit in children] Rozsíval P, et al. **Cesk Oftalmol** 1983 Jul;39(4):244–8 (Eng. Abstr.) (Cze)

[The importance of computed tomography in the diagnosis of deep papillary drusen] Vladyková J, et al. **Cesk Oftalmol** 1983 Jul;39(4):249–54 (Eng. Abstr.) (Cze)

[Comments on computer tomography in otolaryngology] Zelený M, et al. **Cesk Otolaryngol** 1983 Jul;32(4):193–7 (Eng. Abstr.) (Cze)

[Computer tomography in renal diagnosis] Bruna J. **Cesk Radiol** 1983 Aug;37(5):278–83 (Eng. Abstr.) (Cze)

[The significance of computer tomography in the diagnosis of Grawitz's tumor of the kidney] Girl J. **Cesk Radiol** 1983 Aug;37(5):284–91 (Eng. Abstr.) (Cze)

[Directed thin-needle aspiration biopsy guided by computer tomography] Horák J, et al. **Cesk Radiol** 1983 Aug; 37(5):296–301 (Eng. Abstr.) (Cze)

[Normal and pathologically changed oculomotor muscles in the computer tomography picture] Kvíčala V, et al. **Cesk Radiol** 1984 Mar;38(2):75–80 (Eng. Abstr.) (Cze)

[Dosimetric aspects of the computer tomography imaging system] Sabol J, et al. **Cesk Radiol** 1984 May;38(3):149–59 (Eng. Abstr.) (Cze)

[Indications for computer tomography (CT) in diseases of the respiratory system] Salamoun V, et al. **Cesk Radiol** 1984 May;38(3):139–48 (Eng. Abstr.) (Cze)

[Possibilities of using computer tomography in the diagnosis of pulmonary and mediastinal processes] Salamoun V, et al. **Cesk Radiol** 1983 Aug;37(5):273–7 (Eng. Abstr.) (Cze)

[Computer tomography in the diagnosis of diseases of the bile ducts] Sobota J, et al. **Cesk Radiol** 1983 Aug; 37(5):302–7 (Eng. Abstr.) (Cze)

[Computer tomography in the diagnosis of the spinal canal] Sobota J, et al. **Cesk Radiol** 1983 Aug;37(5):265–72 (Eng. Abstr.) (Cze)

[Computer tomography diagnosis of abdominal abscesses] Sobota J. **Cesk Radiol** 1983 Aug;37(5):292–5 (Eng. Abstr.) (Cze)

[Computer tomography in the diagnosis of surgical pancreatic diseases] Jirásek M, et al. **Rozhl Chir** 1983 Dec; 62(12):819–21 (Eng. Abstr.) (Cze)

[Isotope scintigraphy and CT-scanning in the diagnosis of intracranial conditions] Bollinger B, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):501–3 (Eng. Abstr.) (Dan)

[Cerebral abscess with atypical findings in computed tomography and a fatal course] Kjaergård H, et al. **Ugeskr Laeger** 1984 Apr 23;146(17):1297–8 (Eng. Abstr.) (Dan)

[Computed tomography diagnosis of bone tumors] Dean PB, et al. **Duodecim** 1984;100(10):606–12 (Eng. Abstr.) (Fin)

[Intracranial arachnoid cysts] Leppänen J, et al. **Duodecim** 1984;100(4):206–13 (Eng. Abstr.) (Fin)

[Computed tomography of the spinal cord] Pyhtinen J, et al. **Duodecim** 1984;100(2):80–7 (Eng. Abstr.) (Fin)

[Place of x-ray computed tomography in the diagnosis and treatment of acetabular fractures] Labbe JL, et al. **Acta Orthop Belg** 1984 May–Jun;50(3):310–23 (Eng. Abstr.) (Fre)

[The value of preoperative embolization and high-resolution tomodensitometry in the surgery of tympanojugular glomus tumors] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1984;38(1):65–75 (Fre)

[Ambulatory anesthesia in children for computed x-ray tomography] Barale F, et al. **Agressologie** 1984 Jan; 25(1):33–4 (Eng. Abstr.) (Fre)

[Tomodensitometry in infectious brain syndromes] Bidabé AM, et al. **Agressologie** 1983 Apr;24(4):143–7 (Eng. Abstr.) (Fre)

[Tomodensitometry in the early diagnosis and therapeutic management of brain abscess. Neuropathological and tomodensitometric correlations] Floras P, et al. **Agressologie** 1983 Apr;24(4):149–52 (Eng. Abstr.) (Fre)

[Tomodensitometric aspects of intracranial infections in children] Vialle M, et al. **Agressologie** 1983 Apr;24(4):153–5 (Eng. Abstr.) (Fre)

[Tomodensitometry in pheochromocytomas] Picard JD. **Ann Med Interne (Paris)** 1983;134(3):219–22 (Eng. Abstr.) (Fre)

[Cerebral x-ray computed tomography and tuberculous meningitis. Radio-clinical correlations] Roualdes B, et al. **Ann Med Interne (Paris)** 1984;135(4):278–82 (Eng. Abstr.) (Fre)

[Cancer of the larynx and computed x-ray tomography: exploration of the hypothyroepiglottic area and paraglottic space] Garand G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):277–81 (Eng. Abstr.) (Fre)

[Tomodensitometry in focal splenic pathology] Anjou A, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):275–83 (Eng. Abstr.) (Fre)

[Scanning findings in sciatica] Drouillard J, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):463–72 (40 ref.) (Eng. Abstr.) (Fre)

[X-ray computed tomography in traumatology excepting craniocerebral injuries. Apropos of 48 cases] Frija J, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):429–35 (63 ref.) (Eng. Abstr.) (Fre)

[Tomodensitometric study of an idiopathic choledochal cystic lesion. Concerning 1 case] Pandolfo I, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):510–2 (Eng. Abstr.) (Fre)

[Chordoma of the base of the skull and tomodensitometry] Pascaud JL, et al. **Ann Radiol (Paris)** 1983 Sep–Oct; 26(6):513–4 (Eng. Abstr.) (Fre)

[Value of computer tomography compared to angiography and echocardiography in the diagnosis of intracardiac thromboses] Perrenoud JJ, et al. **Arch Mal Coeur** 1983 Jun; 76(6):652–9 (Eng. Abstr.) (Fre)

[Horizontal scanography of the cervical spine: comparison with anatomic cross sections] Le Floch-Prigent L. **Bull Assoc Anat (Nancy)** 1983 Jun;67(197):199–211 (Eng. Abstr.) (Fre)

[Tomodensitometry of the humeral distal extremity. Morphologic and biometric study of the pillars] Le Floch-Prigent P. **Bull Assoc Anat (Nancy)** 1983 Mar; 67(196):127–40 (Eng. Abstr.) (Fre)

[The value of CT scanning in the etiologic appraisal of blindness in children] Desjardins L, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:234–6 (Fre)

[Computed x-ray tomography and multiple sclerosis. Classical data] Cabanis EA, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):627–34 (67 ref.) (Fre)

[Tomodensitometry and injuries of the eyeball] Cabanis EA, et al. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):379–88 (Fre)

[Computed x-ray tomography and multiple sclerosis (apropos of 30 cases of optic neuropathy)] Guillaumat J, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):635, 638–41 (Fre)

[X-ray computed tomography (CT scanner) in schizophrenia. Comparison of its results with other studies] Messimy R, et al. **Encephale** 1984;10(2):69–77 (Eng. Abstr.) (Fre)

[Hepatic angioscanner in normal subjects and in patients with hepatic tumors. Hemodynamic and morphologic characteristics] Mathieu D, et al.

Gastroenterol Clin Biol 1983 Dec;7(12):961–8 (Eng. Abstr.) (Fre)
[Principle lines of the mediastinum and their correlation in computerized tomography] Divano L, et al. **J Belge Radiol** 1983;66(3):165–71 (Eng. Abstr.) (Fre)
[Computed tomography in abdominal and thoracic trauma; comparative evaluation with abdominal ultrasonography and chest radiography] Klels E, et al. **J Belge Radiol** 1983; 66(1):31–8 (Eng. Abstr.) (Fre)
[Value of tomodensitometry in the diagnosis and monitoring of retroperitoneal fibrosis] Lemaitre G, et al. **J Belge Radiol** 1984;67(1):13–9 (Eng. Abstr.) (Fre)
[CT of peritoneal effusions and their anatomic topography] Louis O, et al. **J Belge Radiol** 1983;66(2):107–12 (Eng. Abstr.) (Fre)
[Tomodensitometry in cervicofacial oncology. Anatomo–radiologic correlation apropos of 27 pharyngolaryngeal cancers] Remacle M, et al. **J Belge Radiol** 1983;66(5):369–77 (Eng. Abstr.) (Fre)
[Computed x–ray tomographic aspects of intra–orbital hydatid cyst. Apropos of 10 cases] Aouchiche M, et al. **J Fr Ophtalmol** 1983;6(11):901–16 (Eng. Abstr.) (Fre)
[Cutaneous lymphangioma. Value of the scanner. Pathogenic hypothesis and therapeutic implications] Priollet P, et al. **J Mal Vasc** 1984;9(2):149–53 (Eng. Abstr.) (Fre)
[Intracerebral tuberculoma. Apropos of a case. X–ray computed tomographic aspects] Baudrillard JC, et al. **J Radiol** 1984 May;65(5):385–7 (Eng. Abstr.) (Fre)
[Echography and computed x–ray tomography in the diagnosis and surveillance of hepatoblastoma. Apropos of 5 cases] Calabet A, et al. **J Radiol** 1984 Mar;65(3):123–31 (Eng. Abstr.) (Fre)
[Tomodensitometric aspects of the narrow lumbar canal] Crouzet G, et al. **J Radiol** 1983 Jun–Jul;64(6–7):405–14 (Eng. Abstr.) (Fre)
[Comparative contribution of ultrasonography and tomodensitometry in the diagnosis of retroperitoneal adenopathies] Drouet JC, et al. **J Radiol** 1983 Aug–Sep; 64(8–9):477–82 (Eng. Abstr.) (Fre)
[Role of scanography in the diagnosis of parathyroid adenomas. Apropos of 27 cases] Drouillard J, et al. **J Radiol** 1983 Jun–Jul;64(6–7):381–90 (Eng. Abstr.) (Fre)
[Computed x–ray tomography of abdominal lipoma and liposarcoma in adults. Apropos of 9 cases] Erešué J, et al. **J Radiol** 1984 Mar;65(3):145–9 (Eng. Abstr.) (Fre)
[X–ray computed tomography in pleuropulmonary asbestos pathology] Fourio M, et al. **J Radiol** 1984 May;65(5):335–9 (Eng. Abstr.) (Fre)
[Tomodensitometry of severe acute pancreatitis] Frija J, et al. **J Radiol** 1983 Aug–Sep;64(8–9):483–8 (Eng. Abstr.) (Fre)
[Irradiation of the patient and its costs in the usual diagnostic procedures for disk hernia. Radiculography, spinal phlebography and tomodensitometry] Gasquet C, et al. **J Radiol** 1983 Aug–Sep;64(8–9):459–64 (Eng. Abstr.) (Fre)
[Computed x–ray tomography in the study of 16 undifferentiated epitheliomas of the cavum nasopharyngeal type in children] Geoffray A, et al. **J Radiol** 1983 Dec; 64(12):705–12 (Eng. Abstr.) (Fre)
[The value of tomodensitometric studies in the diagnosis of the herniated lumbar disk. Apropos of 155 operated disks] Goubault F, et al. **J Radiol** 1984 Feb;65(2):71–7 (Eng. Abstr.) (Fre)
[Tomodensitometric aspects of sarcoma of the soft tissue of the extremities in adults] Guibert JL, et al. **J Radiol** 1983 Aug–Sep;64(8–9):489–94 (Eng. Abstr.) (Fre)
[Value of x–ray computed tomography in the diagnosis and surveillance of abdominopelvic recurrence of cancers of the uterine cervix. Apropos of 38 cases] Hospitel S, et al. **J Radiol** 1984 May;65(5):327–34 (Eng. Abstr.) (Fre)
[Aneurysm of the abdominal aorta in infants. Apropos of a case] Hurmic A, et al. **J Radiol** 1984 Mar;65(3):201–5 (Eng. Abstr.) (Fre)
[Value and limitations of the computed x–ray tomographic measurement of vertebral mineralization] Laval–Jeantet AM, et al. **J Radiol** 1984 Mar;65(3):151–7 (Eng. Abstr.) (Fre)
[Comparative study of computed x–ray tomography and saccoradiculography in the diagnosis of early lumbar disk herniation. Apropos of 50 surgically–proven cases] Le Gall R, et al. **J Radiol** 1984 Mar;65(3):165–72 (Eng. Abstr.) (Fre)
[Tomodensitometric evaluation of parosteal sarcoma. Concerning a case] Pandolfo I, et al. **J Radiol** 1984 Feb; 65(2):101–3 (Eng. Abstr.) (Fre)
[Computed tomography of intracranial epidermoid cysts] Picard L, et al. **J Radiol** 1983 Oct;64(10):529–35 (Eng. Abstr.) (Fre)
[Mediopatellar plica. A new approach for the radiological diagnosis] Sidani AH. **J Radiol** 1983 Jun–Jul;64(6–7):421–3 (Eng. Abstr.) (Fre)
[Cystic lymphangioma of the abdomen in an adult. Contribution of echography and computed x–ray tomography. Apropos of a case] Strohl D, et al. **J Radiol** 1984 Mar;65(3):197–200 (Eng. Abstr.) (Fre)
[Delayed epidural hematoma. Apropos of a series of 8 cases] Fankhauser H, et al. **Neurochirurgie** 1983;29(4):255–60 (Eng. Abstr.) (Fre)
[Acutely developing glioma and negative CT scan. Apropos of 3 cases] Lesoin F, et al. **Neurochirurgie** 1983;29(6):395–9 (Eng. Abstr.) (Fre)
[Hypodensities accompanying various meningiomas in x–ray computed tomography] Maeder P, et al. **Neurochirurgie** 1984;30(4):225–33 (Eng. Abstr.) (Fre)
[Cerebellar hemorrhage. Clinico–topographic correlations and therapeutic indications] Philippon J, et al. **Neurochirurgie** 1983;29(6):381–6 (Eng. Abstr.) (Fre)
[Practical role of tomodensitometry in the treatment of intracranial aneurysm. Apropos of a case] Spallone A. **Neurochirurgie** 1984;30(1):45–9 (Eng. Abstr.) (Fre)
[Computed tomography in the diagnosis and surveillance of cerebrovascular accidents] Bories J, et al. **Presse Med** 1983 Dec 29;12(48):3073–7 (Eng. Abstr.) (Fre)
[Localization of pheochromocytomas by scintigraphy with meta–iodobenzyl guanidine. Comparison with computed x–ray tomography] Charbonnel B, et al. **Presse Med** 1984 Mar 31;13(14):863–6 (Eng. Abstr.) (Fre)
[Scanography in purulent meningitis in newborn infants] Dulac O, et al. **Presse Med** 1984 Feb 4;13(4):201–4 (Eng. Abstr.) (Fre)
[Sterno–chondro–costal joint arthritis in heroin addicts. Value of computed x–ray tomography. 4 cases] Molle D, et al. **Presse Med** 1984 Mar 3;13(9):549–51 (Eng. Abstr.) (Fre)
[Posttraumatic extradural hematoma. Value of tomodensitometry (letter)] Sautreaux JL, et al. **Presse Med** 1983 Oct 15;12(36):2260 (Fre)
[Failure of surgery for lumbar spinal stenosis. Apropos of 38 cases verified by computed x–ray tomography] de la Caffiniére JY, et al. **Rev Chir Orthop** 1983;69(7):557–65 (Eng. Abstr.) (Fre)
[X–ray computed tomography in fractures of the acetabulum] Fischer L, et al. **Rev Chir Orthop** 1984;70 Suppl 2:84–9 (Fre)
[Clinicoradiological and computed tomographic comparison of 50 surgical patients with degenerative lumbar stenosis] Perves A, et al. **Rev Chir Orthop** 1983;69 Suppl 2:129–34 (Fre)
[Tomodensitometry of the larynx: normal aspects and tumor pathology; evaluation of the specific contributions of the method] de Becker D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):227–30 (Eng. Abstr.) (Fre)
[The role of x–ray computed tomography in the study of the degree of spread of pharyngo–laryngeal cancers] Rieux D, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):233–9 (Eng. Abstr.) (Fre)
[The diagnosis of herniated disk using CAT scan] Hauser H. **Rev Med Suisse Romande** 1983 Sep;103(9):749–57 (Fre)
[Progress in the scanographic diagnosis of lumbar herniated disk] Sarbach B, et al. **Rev Med Suisse Romande** 1983 Jul; 103(7):567–70 (Fre)
[X–ray scanning in Marchiafava–Bignami disease] Bourrat C, et al. **Rev Neurol (Paris)** 1984;140(6–7):426–31 (Eng. Abstr.) (Fre)
[Crural hemiparesis with homolateral ataxia. Apropos of a case with computed x–ray tomographic study] Rosa A, et al. **Rev Otoneuroophtalmol** 1983 Jul–Sep;55(4):283–8 (Eng. Abstr.) (Fre)
[Voluminous hour–glass neurinoma diagnosed by computerized tomography [letter] Gaucher A, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):295 (Fre)
[Chronic maxillofacial suppuration due to unknown plant foreign bodies. Apropos of 2 cases with CT scanning] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(3):228–31 (Eng. Abstr.) (Fre)
[Obstruction of the internal carotid artery and cerebral malacias. Tomodensitometric factors of the prognosis in 150 cases] Bogousslavsky J, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 134(1):13–28 (Eng. Abstr.) (Fre)
[Percutaneous drainage of intra–abdominal fluid collections using computed tomography] Meyer P, et al. **Schweiz Med Wochenschr** 1984 May 19;114(20):721–3 (Eng. Abstr.) (Fre)
[Place and value of tomodensitometry examination of malignant skin tumors of the face] Pfulg M, et al. **Schweiz Med Wochenschr** 1983 Dec 3;113(48):1798–802 (Eng. Abstr.) (Fre)
[Computed x–ray tomography in the detection of venous extension in renal cancer] Barre C, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1043–8 (Eng. Abstr.) (Fre)
[Thalamic hematoma: review of semiology and computed x–ray tomography in 14 cases] Forgeau Y, et al. **Sem Hop Paris** 1984 Apr 12;60(16):1101–5 (Eng. Abstr.) (Fre)
[Efficacy of scanography in convulsions and epilepsy in children] Gandon Y, et al. **Sem Hop Paris** 1983 Sep 1; 59(29–30):2107–12 (Eng. Abstr.) (Fre)
[Emergency indications for computed tomography of the skull in pediatrics] Lalande G, et al. **Sem Hop Paris** 1983 Sep 8;59(31):2179–86 (Eng. Abstr.) (Fre)
[Clinical significance of symmetric basal ganglia calcification] Stellamor V, et al. **Acta Med Austriaca** 1984;11(1):23–8 (Eng. Abstr.) (Ger)
[A method for the preparation of macroscopic serial sections of human brains at defined levels in the topographic aspects of computized axial tomography] Nicht M, et al. **Anat Anz** 1984;156(2):129–35 (Eng. Abstr.) (Ger)
[The value of ultrasound diagnosis and computed tomography in gynecologic oncology] Jirouš J, et al. **Arch Geschwulstforsch** 1983;53(5):471–7 (Eng. Abstr.) (Ger)
[Diagnostic value of whole–body computerized tomography in tumors in children] Kriedemann E, et al. **Arch Geschwulstforsch** 1983;53(4):345–55 (Eng. Abstr.) (Ger)
[Value of computed tomography in tumor processes and tumor–like diseases in the maxillofacial region] Kriedemann E, et al. **Arch Geschwulstforsch** 1983;53(5):459–69 (Eng. Abstr.) (Ger)
[Possibilities and limitations of computed tomography in the diagnosis of advanced stomach cancer and tumor recurrence] Rotte KH, et al. **Arch Geschwulstforsch** 1983; 53(5):449–57 (Eng. Abstr.) (Ger)
[Computed tomography in the diagnosis of ovarian, cervix and uterine cancer] Spasokukotskaya ON, et al. **Arch Geschwulstforsch** 1984;54(3):225–30 (Eng. Abstr.) (Ger)
[Experience in the diagnosis of soft tissue tumors of the extremities using computed tomography] Jügelt U, et al. **Chirurg** 1983 Oct;54(10):660–3 (Ger)
[Computer tomography evaluation of tumor–induced bladder wall changes] Bauer WM, et al. **Computertomographie** 1983 Dec;3(4):174–8 (Eng. Abstr.) (Ger)
[Budd–Chiari syndrome: the CT image] Becker W. **Computertomographie** 1983 Sep;3(3):128–9 (Eng. Abstr.) (Ger)
[Acute orbital paranasal sinus complications: the CT image] Becker W, et al. **Computertomographie** 1983 Sep;3(3):130–2 (Eng. Abstr.) (Ger)
[Computer tomography aspects in the diagnosis of tuberculosis in the area of the abdomen and urogenital tract] Becker W, et al. **Computertomographie** 1983 Dec; 3(4):142–5 (Eng. Abstr.) (Ger)
[Image of tumorous obstructions of the extrahepatic bile ducts in computer tomography] Castrup W, et al. **Computertomographie** 1983 Jun;3(2):75–9 (Eng. Abstr.) (Ger)
[Computer tomography image of a triple anlage of the stomach] Fischer HJ, et al. **Computertomographie** 1983 Dec; 3(4):140–1 (Eng. Abstr.) (Ger)
[Computer tomography in the Sturge–Weber syndrome] Fotter R, et al. **Computertomographie** 1981 Jun;1(2):80–2 (Eng. Abstr.) (Ger)
[The lobus venae anonymae] Goebel N. **Computertomographie** 1983 Dec;3(4):146–8 (Eng. Abstr.) (Ger)
[Cerebral cysticercosis in the computer tomogram] Gonzales Morantes J, et al. **Computertomographie** 1983 Jun;3(2):87–92 (Eng. Abstr.) (Ger)
[Cauda equina tumor] Grobovschek M, et al. **Computertomographie** 1982 Dec;2(4):176–8 (Eng. Abstr.) (Ger)
[Computer tomographic findings in sacral destruction] Heller M, et al. **Computertomographie** 1981 Jun;1(2):74–9 (Eng. Abstr.) (Ger)
[Computer tomographic studies on the dynamics of liposynthesis and lipolysis of the human liver] Hübener KH, et al. **Computertomographie** 1981 Jun;1(2):89–95 (Eng. Abstr.) (Ger)
[Computer tomographic image of the cranial vault] Klumair J, et al. **Computertomographie** 1983 Jun;3(2):84–6 (Eng. Abstr.) (Ger)
[Computer tomography image of brain changes in an adult following resuscitation] Kock C, et al. **Computertomographie** 1983 Dec;3(4):159–61 (Eng. Abstr.) (Ger)
[Contribution of computer tomography to the evaluation of space–occupying processes and abnormalities of the skeletal system] König R, et al. **Computertomographie** 1983 Mar; 3(1):25–31 (Eng. Abstr.) (Ger)
[Correlation between CT findings and clinical course in viral and bacterial meningoencephalitis] Krüger H, et al. **Computertomographie** 1983 Mar;3(1):32–7 (Eng. Abstr.) (Ger)
[Recurrence of rectal cancer in computerized tomography] Kuckein D. **Computertomographie** 1981 Apr;1(1):17–20 (Eng. Abstr.) (Ger)
[Diagnosis of the metastasis of cranial tumors] Kuckein D. **Computertomographie** 1982 Dec;2(4):171–5 (Eng. Abstr.) (Ger)
[Comparison of conventional radiology, ultrasound and computer tomography in the preoperative localization of intraocular foreign bodies] Markl A, et al. **Computertomographie** 1983 Dec;3(4):162–7 (Eng. Abstr.) (Ger)
[Pancreas tail pseudotumor—CT for the detection of position variants of the pancreas tail as a cause for pathologic findings in conventional radiographic and ultrasound studies] Neumann CH, et al. **Computertomographie** 1983 Jun;3(2):80–3 (Eng. Abstr.) (Ger)
[End–diastolic volumes of the left ventricle in computer tomography in comparison to heart catheter ventriculography] Rienmüller R, et al. **Computertomographie** 1981 Jun;1(2):62–7 (Eng. Abstr.) (Ger)
[A pulsating tumor in the chest wall] Rienmüller R, et al. **Computertomographie** 1983 Jun;3(2):93–7 (Eng. Abstr.) (Ger)
[Computer tomographic diagnosis of pancreatitis and pancreatic cancer] Sager WD, et al.

Computertomographie 1981 Jun;1(2):52–8 (Eng. Abstr.) (Ger)
[Computer tomography in the search for iatrogenic foreign bodies] Schild H, et al. **Computertomographie** 1983 Mar; 3(1):22–4 (Eng. Abstr.) (Ger)
[Computer tomographic findings in metastsaizing choriocarcinoma] Schild H, et al. **Computertomographie** 1983 Jun;3(2):57–9 (Eng. Abstr.) (Ger)
[Effects of beam weakening and beam hardening on the measured CT values] Schultz E, et al. **Computertomographie** 1981 Jun;1(2):83–8 (Eng. Abstr.) (Ger)
[The diagnostic value of computerized tomography in mediastinal diseases depending on their localization] Sommer B, et al. **Computertomographie** 1981 Apr;1(1):35–42 (Eng. Abstr.) (Ger)
[Computer tomography-guided puncture of the retroperitoneal space] Triller J, et al. **Computertomographie** 1983 Jun;3(2):67–74 (Eng. Abstr.) (Ger)
[CT diagnosis of adrenal gland tumors] Uhlenbrock D, et al. **Computertomographie** 1983 Jun;3(2):60–6 (Eng. Abstr.) (Ger)
[Thoracic computer tomography in malignant Hodgkin lymphoma] Vock P, et al. **Computertomographie** 1981 Jun; 1(2):68–73 (Eng. Abstr.) (Ger)
[New possibilities of radiologic diagnostic methods for diseases of the spinal column using spinal computer tomography] Fenzl G, et al. **Digitale Bilddiagn** 1984 Jun; 4(2):79–85 (Eng. Abstr.) (Ger)
[Computer tomography of esthesioneuroblastoma] Fischer HJ, et al. **Digitale Bilddiagn** 1984 Jun;4(2):53–8 (Eng. Abstr.) (Ger)
[Cystic change in the region of the pyramid apex] Grobovschek M. **Digitale Bilddiagn** 1984 Mar;4(1):20–2 (Eng. Abstr.) (Ger)
[Does computer tomography facilitate correct diagnosis of the cause of ureteral obstruction? (limitations and significance of CT)] Lorenz R, et al. **Digitale Bilddiagn** 1984 Jun;4(2):46–52 (Eng. Abstr.) (Ger)
[Computer tomography in primary soft tissue tumors] Robotti G, et al. **Digitale Bilddiagn** 1984 Mar;4(1):8–13 (Eng. Abstr.) (Ger)
[Lumbar computerized tomography] Dihlmann W. **Dtsch Med Wochenschr** 1984 May 18;109(20):796–800 (Ger)
[Computer tomography of an atypical echinococcal cyst in the liver (letter)] Fischer HJ, et al. **Dtsch Med Wochenschr** 1983 Nov 18;108(46):1775–6 (Ger)
[Diagnostic value of fine needle aspiration biopsy in liver and pancreas diagnosis with computer tomography control] Hasik J, et al. **Dtsch Z Verdau Stoffwechselkr** 1984; 44(1):6–11 (Eng. Abstr.) (Ger)
[Pancreatic calcinosis as shown on the computer tomogram and its general image] Vogel H, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(1):12–5 (Eng. Abstr.) (Ger)
[Surgical therapy of extensive maxillary sinus cysts and their computer tomographic diagnosis] Lindorf HH. **Dtsch Zahnarztl Z** 1984 Mar;39(3):223–8 (Eng. Abstr.) (Ger)
[Electroencephalographic and computer tomography findings in vascular epilepsy of ischemic origin] Enge S, et al. **EEG EMG** 1983 Dec;14(4):191–4 (Eng. Abstr.) (Ger)
[Computer tomography in traumatology. Technical requirements and radiation protection] Borchers HD, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984;119:1–5 (Ger)
[Computer tomography in traumatology. Iatrogenic injuries] Borchers HD, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:117–27 (Ger)
[Computerized tomography of gynecologic tumors] Breit A, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983; 115:1–120 (Ger)
[Computer tomography in traumatology. Thoracic injuries] Hagemann J, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:58–66 (Ger)
[Computer tomography in traumatology. Injuries of the neck] Hagemann J, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:43–6 (Ger)
[Computer tomography in traumatology. Abdominal injuries] Heller M, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:67–80 (Ger)
[Computer tomography in traumatology. Pelvic injuries] Heller M, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:92–105 (Ger)
[Computer tomography in traumatology. Medial facial injuries] Jend HH. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:31–42 (Ger)
[Computer tomography in traumatology .Spinal injuries] Jend HH, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:47–57 (Ger)
[Computer tomography in traumatology. Retroperitoneal injuries] Jend HH, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:81–91 (Ger)
[Computer tomography in traumatology. Invasive masses caused by injuries] Maas R, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:6–15 (Ger)
[Computer tomography in traumatology. Injuries of the extremities] Reiser M, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:106–16 (Ger)
[Computer tomography in traumatology. Cranio-cerebral injuries] Traupe H. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:16–30 (Ger)
[The value of computer tomography in frontobasal brain injuries] Mang WL. **Fortschr Med** 1984 Feb 2;102(5):93–4 (Eng. Abstr.) (Ger)
[Complex focal seizures: studies based on the cranial computer tomogram, clinical aspects and longitudinal EEG studies] Haan J, et al. **Fortschr Neurol Psychiatr** 1984 May; 52(5):177–84 (Eng. Abstr.) (Ger)
[Orbicularis oculi reflex in computerized tomography verified lesions of the posterior cranial fossa] Hacke W, et al. **Fortschr Neurol Psychiatr** 1983 Sep;51(9):313–24 (Eng. Abstr.) (Ger)
[Computer tomography findings in trauma-induced carotid-cavernous sinus fistula] Daxecker F, et al. **Fortschr Ophthalmol** 1984;81(1):85–6 (Eng. Abstr.) (Ger)
[Computed tomography diagnosis of lesions of the anterior visual pathway] Unsöld R. **Fortschr Ophthalmol** 1983; 80(6):523–6 (Eng. Abstr.) (Ger)
[Computer tomography of the mediastinum in primary operable bronchogenic carcinoma] Küpfer A, et al. **Helv Chir Acta** 1984 Jun;51(2):233–6 (Eng. Abstr.) (Ger)
[Computer-tomography guided puncture of the retroperitoneal space] Probst P, et al. **Helv Chir Acta** 1983 Jun;50(3):307–11 (Eng. Abstr.) (Ger)
[Results of A-scan echography in diseases of the orbit] Nover A, et al. **Klin Monatsbl Augenheilkd** 1984 Mar; 184(3):168–70 (Eng. Abstr.) (Ger)
[Demonstration and localization of intraocular metallic foreign bodies by computerized tomography] Trinkmann R, et al. **Klin Monatsbl Augenheilkd** 1984 Jan;184(1):18–22 (Eng. Abstr.) (Ger)
[Computerized tomogram and scoliosis. Can CT provide prognostic hints? (Preliminary report)] Löffler L, et al. **MMW** 1984 Feb 3;126(5):117–21 (Eng. Abstr.) (Ger)
[Tuberous sclerosis. Clinical and computer tomography findings in infancy and childhood] Fritsch G, et al. **Monatsschr Kinderheilkd** 1984 Apr;132(4):222–9 (Eng. Abstr.) (Ger)
[Relevance of computed tomography to the fine-structure analysis of bone. A comparative radiological study] Henschke F, et al. **Morphol Med** 1983 Oct;3(3):157–63 (Eng. Abstr.) (Ger)
[Computed tomography—basic principles and outlook for related procedures] Pfeiler M, et al. **Morphol Med** 1983 Oct;3(3):117–24 (Eng. Abstr.) (Ger)
[Imaging of the spinal canal using computed tomography] Putz R, et al. **Morphol Med** 1983 Oct;3(3):143–9 (Eng. Abstr.) (Ger)
[Demyelinization foci and brain atrophy in the cranial computer tomogram in multiple sclerosis] Aschoff JC, et al. **Nervenarzt** 1984 Apr;55(4):208–13 (Ger)
[Cerebrospinal fluid findings in brain atrophies detected by computer tomography] Hoberg B, et al. **Nervenarzt** 1984 Jun;55(6):299–306 (Ger)
[Hemorrhagic cerebral infarcts. Clinical aspects, computer tomography findings. Prognosis] Hornig CR, et al. **Nervenarzt** 1983 Aug;54(8):406–12 (Ger)
[Development of acute epidural hematoma] Giordano C, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):66–7 (Eng. Abstr.) (Ger)
[Computer tomographic and neurologic observations in the acute phase of closed craniocerebral injuries] Liesegang J, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):62–5 (Eng. Abstr.) (Ger)
[Artefacts in the CT scan caused by surgical clips and central venous catheters and the use of new materials] Schadel A, et al. **Neurochirurgia (Stuttg)** 1984 Mar;27(2):44–6 (Eng. Abstr.) (Ger)
[Computer tomography of the pelvis, shoulder girdle and extremities] Jend HH, et al. **Orthopade** 1984 Apr; 13(2):151–68 (Ger)
[Computer tomography of the spine] Nedden DZ. **Orthopade** 1984 Apr;13(2):169–81 (Ger)
[Significance of echoencephalographic cerebral diagnosis (the A-scan technic) of children in the age of computer tomography] Lamme W, et al. **Padiatr Grenzgeb** 1984; 23(1):15–21 (Eng. Abstr.) (Ger)
[Cranial computer tomography in pediatrics] Boltshauser E. **Padiatr Padol** 1984;19(1):71–85 (Eng. Abstr.) (Ger)
[Indication and value of computer tomography of the thorax] Gürtler KF, et al. **Prax Klin Pneumol** 1984 Mar;38(3):81–7 (Ger)
[Conventional roentgen procedures, sonography and computer tomography in pleural diseases] Kleine P, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:798–9 (Ger)
[Computer tomography in diffuse lung fibroses—relation to lung function] Kurtz B, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:800–1 (Eng. Abstr.) (Ger)
[Computed tomographic studies of patients with asbestosis and silicosis] Raithel HJ, et al. **Prax Klin Pneumol** 1983 Oct;37(10):1119–29 (Eng. Abstr.) (Ger)
[Computer tomography in thoracic diagnosis] Thelen M. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:757–63 (Ger)
[Computer tomographic anatomy of the temporal bone] Valavanis A. **Praxis** 1983 Nov 15;72(46):1465–8 (Eng. Abstr.) (Ger)
[Correlation of cranial computer tomography, diaphanoscopy and clinico-neurologic findings in childhood exemplified by chronic subdural effusion] Bilz D, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:220–8 (Ger)
[Localization of organic brain processes in so-called subcortical function disorders in the EEG. A comparative electroencephalo-computer-tomographic study] Järisch M, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:109–14 (Ger)
[Ophthalmoplegia plus. On nosologic, biochemical, morphologic and computer tomographic aspects of the oculocraniosomatic syndrome] Lössner J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:184–95 (Ger)
[Possibilities and limitations of computer tomographic brain stem diagnosis] Planitzer J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:205–14 (Ger)
[Value of the computer tomographic diagnosis of cerebellopontile angle tumors] Planitzer J, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:215–9 (Ger)
[Results of cerebral computer tomography in the diagnosis of tumors of the sella region] Fauk D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Jun; 35(6):349–52 (Eng. Abstr.) (Ger)
[Clinical, electroencephalographic and computer tomographic studies of children with West and Lennox-Gastaut syndrome] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Aug; 35(8):467–70 (Eng. Abstr.) (Ger)
[Computer tomography and electromyography studies in patients with traumatic neuropathy] Krause P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Feb;36(2):91–4 (Eng. Abstr.) (Ger)
[Development of radiation treatment planning using computed tomography] Hegewald H, et al. **Radiobiol Radiother (Berl)** 1984;25(1):29–40 (Eng. Abstr.) (Ger)
[Computer tomography in topometric irradiation planning in prostate cancer] Merkle K, et al. **Radiobiol Radiother (Berl)** 1983;24(6):779–89 (Eng. Abstr.) (Ger)
[Topometric irradiation planning of esophageal cancer using computed tomography] Merkle K, et al. **Radiobiol Radiother (Berl)** 1984;25(3):373–81 (Eng. Abstr.) (Ger)
[Use of computer tomography in irradiation planning. 2. Comparison with the conventional roentgenologic technic in prostate and bladder cancers] Oehler W, et al. **Radiobiol Radiother (Berl)** 1983;24(3):269–77 (Eng. Abstr.) (Ger)
[CT-based irradiation planning of kidney tumors] Standke E, et al. **Radiobiol Radiother (Berl)** 1984;25(3):361–71 (Eng. Abstr.) (Ger)
[Results of CT diagnosis in intrasellar tumors] Fauk D, et al. **Radiol Diagn (Berl)** 1983;24(6):721–6 (Eng. Abstr.) (Ger)
[Significance of computer tomography in the diagnosis of bone diseases] Klöppel R, et al. **Radiol Diagn (Berl)** 1983; 24(6):713–20 (Eng. Abstr.) (Ger)
[CT of acute and chronic pancreatitis] Klöppel R, et al. **Radiol Diagn (Berl)** 1983;24(5):609–18 (Eng. Abstr.) (Ger)
[Computer tomography of the adrenal gland] Kolesnikova EK. **Radiol Diagn (Berl)** 1984;25(2):197–204 (Eng. Abstr.) (Ger)
[Computer tomography in sclerosing therapy of solitary kidney cysts] Mansfeld L, et al. **Radiol Diagn (Berl)** 1984; 25(2):181–95 (Eng. Abstr.) (Ger)
[Computer tomography in pathologic soft tissue processes] Tellkamp H, et al. **Radiol Diagn (Berl)** 1983;24(6):727–35 (Eng. Abstr.) (Ger)
[Computer tomography following liver surgery] Vogel H, et al. **Radiol Diagn (Berl)** 1983;24(6):737–43 (Eng. Abstr.) (Ger)
[Diagnostic significance of brain tumor calcifications in the computerized tomogram] Becker H, et al. **Radiologe** 1983 Oct;23(10):459–62 (Eng. Abstr.) (Ger)
[Benign disorders of soft tissue on the roentgen computer tomogram] Buck J, et al. **Radiologe** 1983 Nov;23(11):485–90 (Eng. Abstr.) (Ger)
[The value of computerized tomography for the diagnosis of diabetic osteoarthropathy] Diankov L, et al. **Radiologe** 1983 Dec;23(12):560–6 (Eng. Abstr.) (Ger)
[Computed tomography in complex fractures of the ankle joint] Friedburg H, et al. **Radiologe** 1983 Sep;23(9):421–5 (Eng. Abstr.) (Ger)
[Computed tomography in orthopedic radiology] Fuchs WA. **Radiologe** 1984 May;24(5):201–4 (26 ref.) (Eng. Abstr.) (Ger)
[Alternative use of the simulator method and computer tomography in planning radiotherapy for non-metastasizing prostatic cancer] Hodapp N, et al.

Radiologe 1984 Jan;24(1):19–23 (Eng. Abstr.) (Ger)
[Contribution of computer tomography to the diagnosis of bronchial carcinoids] König R, et al. **Radiologe** 1984 Mar; 24(3):111–5 (Eng. Abstr.) (Ger)
[Computer tomography aspects of benign intrathoracic space-occupying lesions] König R, et al. **Radiologe** 1984 Mar;24(3):101–10 (Eng. Abstr.) (Ger)
[Computed tomographic classification of acetabular fractures] Marincek B, et al. **Radiologe** 1984 May; 24(5):205–10 (Eng. Abstr.) (Ger)
[Computed tomography of chondrogenic tumors] Marincek B, et al. **Radiologe** 1984 May;24(5):211–6 (Eng. Abstr.) (Ger)
[Computer tomography of sports injuries] Reiser M, et al. **Radiologe** 1984 Jan;24(1):40–5 (Eng. Abstr.) (Ger)
[Value of computer tomography in the diagnosis of tumors and inflammatory changes in the pelvis] Schrijvers A, et al. **Radiologe** 1983 Nov;23(11):512–7 (Eng. Abstr.) (Ger)
[Neuroradiological follow-up studies of conservatively treated brain abscesses] Schroth G, et al. **Radiologe** 1983 Oct;23(10):463–70 (Eng. Abstr.) (Ger)
[Computer tomography of mycotic aortic aneurysm] Triller J, et al. **Radiologe** 1984 Jan;24(1):35–9 (Eng. Abstr.) (Ger)
[Computed tomography of primary bone tumors in children] Tschäppeler H. **Radiologe** 1984 May;24(5):217–21 (Eng. Abstr.) (Ger)
[Sonography and computed tomography in postoperative abdominal abscesses] Voegeli E, et al. **Radiologe** 1984 Feb; 24(2):90–4 (Eng. Abstr.) (Ger)
[Typical computed tomographic findings in neurofibromatosis] Allgayer B, et al. **ROFO** 1984 Jun; 140(6):669–72 (Eng. Abstr.) (Ger)
[Computed tomographic image of tuberculous peritonitis] Becker W, et al. **ROFO** 1984 Jan;140(1):104–5 (Ger)
[Computed tomography in ruptured abdominal aortic aneurysms] Brachlow M, et al. **ROFO** 1984 Jul;141(1):61–3 (Eng. Abstr.) (Ger)
[Computed tomography of pancreatic cystic fibrosis] Brachlow M, et al. **ROFO** 1984 Feb;140(2):145–6 (Eng. Abstr.) (Ger)
[Computed tomographic volumetry of the pneumatic system of the ear. Comparison of normal subjects and patients with ear diseases] Brassow F, et al. **ROFO** 1984 Feb; 140(2):158–61 (Eng. Abstr.) (Ger)
[Prognostic criteria on the cranial computed tomogram of an ischemic cerebral infarct] Büttner T, et al. **ROFO** 1984 Jul;141(1):7–11 (Eng. Abstr.) (Ger)
[Computer tomographic and sonographic diagnosis and control in malignant lymphoma of the stomach] Crone-Münzebrock W, et al. **ROFO** 1983 Dec; 139(6):676–80 (Eng. Abstr.) (Ger)
[The dorsum sellae as an indicator of axial skeletal osteoporosis. The results of computer tomographic densitometry] Dihlmann W, et al. **ROFO** 1983 Nov; 139(5):531–4 (Eng. Abstr.) (Ger)
[Focal liver diseases. Comparative study of computed tomography, conventional ultrasound and the automated multisector scanner (Octoson)] Fiegler W, et al. **ROFO** 1984 Jul;141(1):71–4 (Eng. Abstr.) (Ger)
[Comparison of computed tomography, automated multisector scanner (Octoson) and conventional ultrasound in pancreatic diseases] Fiegler W, et al. **ROFO** 1984 Jan; 140(1):50–3 (Eng. Abstr.) (Ger)
[Value of spinal computed tomography in the early diagnosis of spinal osteoid osteoma] Forst R, et al. **ROFO** 1984 Jan; 140(1):100–2 (Ger)
[Value of sonography, computed tomography and angiography in adrenal diagnosis] Georgi M, et al. **ROFO** 1984 Apr;140(4):373–9 (Eng. Abstr.) (Ger)
[Bleeding into a pancreatic pseudocyst: diagnosis by arterial computed tomography] Gmelin E, et al. **ROFO** 1984 Aug; 141(2):231–2 (Ger)
[Confirmation of the T classification of bladder tumors by transcutaneous sonography, intra-vesical sonography and computer tomography] Greiner KG, et al. **ROFO** 1983 Nov;139(5):510–5 (Eng. Abstr.) (Ger)
[Comparison of x-ray plain films, x-ray tomograms and computed tomograms in lung nodules in children and adolescents] Gürtler KF, et al. **ROFO** 1984 Apr; 140(4):416–20 (Eng. Abstr.) (Ger)
[Value of computed tomography for tumors of the epi- and oropharynx] Hagemann J, et al. **ROFO** 1983 Oct; 139(4):373–8 (Eng. Abstr.) (Ger)
[Comparative studies on imaging artificial bone lesions—conventional tomography and computed tomography] Heller M, et al. **ROFO** 1984 Jun;140(6):631–8 (Eng. Abstr.) (Ger)
[Computed tomographic findings in mitral valve disease] Heuser L, et al. **ROFO** 1984 Apr;140(4):435–40 (Eng. Abstr.) (Ger)
[Computed tomographic detection of massive intrathoracic hemorrhage due to phenprocoumon] Hewer W, et al. **ROFO** 1984 Jul;141(1):113–4 (Ger)
[Puerperal thrombophlebitis of the ovarian veins—diagnosis using CT] Huber DJ. **ROFO** 1984 Jun;140(6):665–8 (Eng. Abstr.) (Ger)
[Diagnosis and differential diagnosis of drusen of the optic papilla with special reference to computed tomography] Irnberger T. **ROFO** 1984 Aug;141(2):136–9 (Eng. Abstr.) (Ger)
[Computed tomography of basal skull fractures] Jend HH, et al. **ROFO** 1984 Feb;140(2):147–51 (Eng. Abstr.) (Ger)
[Cerebral circulatory disorders—elucidation by intravenous digital subtraction angiography and computed tomography] Kempter H, et al. **ROFO** 1984 Aug;141(2):140–4 (Eng. Abstr.) (Ger)
[Computed tomography and scintigraphy in malignant pheochromocytoma] Kimmig B, et al. **ROFO** 1984 Aug; 141(2):144–8 (Eng. Abstr.) (Ger)
[Computer tomography of malignant renal lymphomas] Klose KC, et al. **ROFO** 1983 Nov;139(5):515–20 (Eng. Abstr.) (Ger)
[High-resolution computed tomography of the petrous bone] König H, et al. **ROFO** 1984 Aug;141(2):129–35 (Eng. Abstr.) (Ger)
[Rare computed tomographic and sonographic findings in epithelial body tumors. Report on 2 cases] König R, et al. **ROFO** 1984 Mar;140(3):303–7 (Eng. Abstr.) (Ger)
[Computed tomographic anatomy of the neck] König R. **ROFO** 1984 Jan;140(1):31–6 (Eng. Abstr.) (Ger)
[Computed tomographic findings in portal hypertension secondary to liver cirrhosis. 3. Hemodynamic changes—angio-CT] Köster O, et al. **ROFO** 1984 Mar; 140(3):308–13 (Eng. Abstr.) (Ger)
[Computed tomographic control of the conventional x-ray findings in space-occupying lesions of the bony pelvis] Köster O, et al. **ROFO** 1984 Aug;141(2):148–54 (Eng. Abstr.) (Ger)
[Malignant mesenchymal liver tumors in the computed tomogram] Köster O, et al. **ROFO** 1983 Oct;139(4):394–9 (Eng. Abstr.) (Ger)
[Computed tomography and the clinical picture of carcinoma of the uterine cervix] Köster O, et al. **ROFO** 1984 Feb; 140(2):136–44 (Eng. Abstr.) (Ger)
[Computer tomographic and sonographic diagnosis of diaphragmatic hernias] Kurtz B, et al. **ROFO** 1983 Nov; 139(5):502–10 (Eng. Abstr.) (Ger)
[Accuracy in the diagnosis of renal masses. Computed tomography, sonography, urography, angiography] Lackner K, et al. **ROFO** 1984 Apr;140(4):363–72 (Eng. Abstr.) (Ger)
[Computed tomography and the pathogenic potential of the medial parapatellar fold] Lingg G, et al. **ROFO** 1984 May; 140(5):561–6 (Eng. Abstr.) (Ger)
[Computed tomography of patellar chondropathy. Experimental and clinical results] Lingg G, et al. **ROFO** 1983 Dec;139(6):663–8 (Eng. Abstr.) (Ger)
[Possibilities and limitations of computed tomographic staging of bladder carcinoma] Lorenz R, et al. **ROFO** 1984 Jun;140(6):660–5 (Eng. Abstr.) (Ger)
[Computed tomography in the diagnosis of cerebral cysticercosis] Marinšek-Čičin-Sain V, et al. **ROFO** 1984 Jan;140(1):36–9 (Eng. Abstr.) (Ger)
[Non-invasive diagnosis of carotid artery-cavernous sinus fistulas using computed tomography] Neufang KF, et al. **ROFO** 1983 Dec;139(6):639–43 (Eng. Abstr.) (Ger)
[Sonographic and computer tomographic findings in congenital hernia of the abdominal wall with malrotation] Piechowiak H, et al. **ROFO** 1983 Nov;139(5):580–1 (Ger)
[The joints in the posterior part of the foot in the computed tomogram. Studies on amputation preparations and clinical observations] Reiser M, et al. **ROFO** 1984 Jun; 140(6):638–45 (Eng. Abstr.) (Ger)
[Herpes simplex encephalitis on the computed tomogram] Rodiek SO, et al. **ROFO** 1984 Jul;141(1):23–9 (Eng. Abstr.) (Ger)
[Computed tomographic classification of gunshot wounds of the head] Rodiek SO. **ROFO** 1984 Jul;141(1):11–7 (Eng. Abstr.) (Ger)
[Computed tomographic studies in cervical spinal stenosis] Rodiek SO. **ROFO** 1983 Oct;139(4):383–8 (Eng. Abstr.) (Ger)
[Jugular vein reflux in the CT x-ray] Schild H, et al. **ROFO** 1984 May;140(5):615–6 (Ger)
[Significance of the esophagogram compared to computed tomography in esophageal cancer] Schild H, et al. **ROFO** 1984 May;140(5):551–5 (Eng. Abstr.) (Ger)
[Computer tomographic demonstration of an encapsulated pericardial space-occupying lesion in pericarditis constrictiva calcarea] Schörner W, et al. **ROFO** 1983 Nov; 139(5):572–4 (Ger)
[Adenolipoma of the thyroid (thyrolipoma). A case report of a rare fat cell tumor diagnosed by computed tomography] Schröder S, et al. **ROFO** 1984 Aug; 141(2):239–40 (Ger)
[Status of sonography versus roentgen and computed tomography in the diagnosis of nephrocalcinosis] Schumacher R, et al. **ROFO** 1984 Jul;141(1):75–9 (Eng. Abstr.) (Ger)
[Computertomographic findings in pigmented villonodular synovitis] Seemann WR, et al. **ROFO** 1983 Dec; 139(6):669–72 (Eng. Abstr.) (Ger)
[Diagnosis of obstructive sleep apnea (Pickwickian syndrome). Value of computed tomography] Stark P, et al. **ROFO** 1984 Jan;140(1):46–7 (Eng. Abstr.) (Ger)
[Computed tomography in the differential diagnosis of inflammatory and neoplastic lung diseases] Steinbächer M, et al. **ROFO** 1984 May;140(5):544–50 (Eng. Abstr.) (Ger)
[Cerebral blood flow measurement by dynamic computed tomography before and after reconstructive vascular surgery] Stellamor V, et al. **ROFO** 1984 Jun;140(6):673–6 (Eng. Abstr.) (Ger)
[Prenatal diagnosis of the Dandy-Walker syndrome using sonography and computed tomography] Tölly E, et al. **ROFO** 1984 Jul;141(1):40–3 (Eng. Abstr.) (Ger)
[Computed tomography, primary laparotomy and second look surgery in ovarian carcinoma] Triller J, et al. **ROFO** 1984 Mar;140(3):294–303 (Eng. Abstr.) (Ger)
[Value of computed tomography for the assessment of lymph node metastases in ovarian cancer] Triller J, et al. **ROFO** 1984 Jul;141(1):35–9 (Eng. Abstr.) (Ger)
[Computed tomography in primary mesenteric tumors] Triller J, et al. **ROFO** 1984 Jan;140(1):40–5 (Eng. Abstr.) (Ger)
[Computer tomographic staging of prostatic cancers] Triller J, et al. **ROFO** 1983 Dec;139(6):691–2 (Ger)
[Intravenous administration of contrast medium during computed tomography (CT) of the operated lumbar spine] Weiss T, et al. **ROFO** 1984 Jul;141(1):30–4 (Eng. Abstr.) (Ger)
[Dynamic cerebral computed tomography. A contribution to the nosology of cerebral space-occupying processes?] Westphal M. **ROFO** 1983 Dec;139(6):632–9 (Eng. Abstr.) (Ger)
[Computed tomography in cervical lymphadenopathies] Zaunbauer W, et al. **ROFO** 1984 Jun;140(6):656–9 (Eng. Abstr.) (Ger)
[Computed tomography of laryngoceles] Zaunbauer W, et al. **ROFO** 1984 Feb;140(2):155–7 (Eng. Abstr.) (Ger)
[The cervical compartments in the computed tomogram] Zaunbauer W, et al. **ROFO** 1984 Feb;140(2):151–4 (Eng. Abstr.) (Ger)
[Conventional radiology and computed tomography in facial fractures] Dorobisz H, et al. **Rontgenblatter** 1983 Dec; 36(12):428–33 (Eng. Abstr.) (Ger)
[Value of computer tomography in gynecological tumors] Hagemann JR, et al. **Rontgenblatter** 1983 Nov;36(11):363–8 (Eng. Abstr.) (Ger)
[Computed tomographic diagnosis of pre- and paravertebral masses in the thorax and retroperitoneum] Hermanutz KD. **Rontgenblatter** 1984 Jun;37(6):212–8 (Eng. Abstr.) (Ger)
[Testicular tumor staging: the ranking of CT and ultrasonic diagnosis] Hruby W, et al. **Rontgenblatter** 1984 Apr; 37(4):123–6 (Eng. Abstr.) (Ger)
[The significance of computer tomography in the diagnosis, planning, therapy planning and control of the therapy of malignant lymphomas] Kober B, et al. **Rontgenblatter** 1984 Feb;37(2):61–4 (Eng. Abstr.) (Ger)
[Bochdalek's diaphragmatic hernia] Kuckein D. **Rontgenblatter** 1984 Mar;37(3):100–3 (Eng. Abstr.) (Ger)
[Contribution and value of computer tomography in the diagnosis of intrathoracic space-occupying lesions and in the evaluation of mediastinal and lymphogenic metastases] Kuckein D. **Rontgenblatter** 1983 Oct;36(10):318–23 (Eng. Abstr.) (Ger)
[Value of computed tomography in congenital hip dysplasia and hip luxation] Lingg G, et al. **Rontgenblatter** 1983 Dec; 36(12):407–13 (Eng. Abstr.) (Ger)
[Computed tomography in primary subarachnoid hemorrhage] Schneider GH, et al. **Rontgenblatter** 1983 Aug;36(8):256–9 (Eng. Abstr.) (Ger)
[Ovarian tumors in the computer tomographic image—the correlation of histology and CT diagnosis] Steinbrich W, et al. **Rontgenblatter** 1984 Apr;37(4):127–34 (Eng. Abstr.) (Ger)
[Staging of adenocarcinoma of the kidney—CT largely replaces catheter angiography] Stellamor K, et al. **Rontgenblatter** 1984 Apr;37(4):135–9 (Eng. Abstr.) (Ger)
[Suspected herniated disk—differential diagnostic case studies by lumbar CT] Weiss T, et al. **Rontgenblatter** 1984 Jul; 37(7):252–8 (Eng. Abstr.) (Ger)
[CT diagnosis of local tumor recurrences following continence resection of rectal carcinoma] Castrup W, et al. **Rontgenpraxis** 1984 May;37(5):157–61 (Ger)
[Computed tomography for control of the course of radiation-treated prostatic carcinoma] Denkhaus, H, et al. **Rontgenpraxis** 1984 Apr;37(4):130–8 (Ger)
[Computed tomographic diagnosis of carcinoma in the rectum-sigmoid region] Gnann H, et al. **Rontgenpraxis** 1984 May;37(5):153–6 (Ger)
[High resolution computer tomography of the lumbar spine] Kurtz B, et al. **Rontgenpraxis** 1984 Jan;37(1):1–7 (Ger)
[Contribution of computed tomography to the diagnosis of malignant tumors of the oral cavity, hypopharynx and larynx and their regional lymph node metastases] Lenz M, et al. **Rontgenpraxis** 1983 Oct;36(10):333–49 (Ger)
[Possibilities of computed tomographic diagnosis in pulmonary sequestration] Roesler A, et al. **Rontgenpraxis** 1983 Oct;36(10):350–3 (Ger)
[Computer tomography of the lumbar spine following intervertebral disk surgery. I. Clinico-radiologic pathophysiology of the operated spine] Schindler G, et al. **Rontgenpraxis** 1984 Jan;37(1):8–12 (Ger)
[Value of computerized tomography in the radiological diagnosis of acute abdomen] Schindler G. **Rontgenpraxis** 1984 Feb;37(2):48–57 (35 ref.) (Ger)
[Computer tomography of the lumbar spine following intervertebral disk surgery. II. Differentiation between recurrent prolapse and scar] Schindler G, et al. **Rontgenpraxis** 1984 Mar;37(3):69–74 (Ger)
[Computer tomography of the injured spine] Tänzer B, et al. **Rontgenpraxis** 1984 Jan;37(1):13–8 (Ger)
[Computed tomography in bladder tumors— an improvement

in their diagnosis?] zur Nedden D, et al. **Rontgenpraxis** 1983 Oct;36(10):359–61 (Ger)

[What does computer tomography and abdominal ultrasound studies accomplish in the staging of Hodgkin's disease?] Honegger HP, et al. **Schweiz Med Wochenschr** 1984 Apr 7;114(14):475–81 (Eng. Abstr.) (Ger)

[Optomechanical device for radiotherapy planning with the computer tomograph] Röttinger EM, et al. **Strahlentherapie** 1984 Mar;160(3):166–7 (Eng. Abstr.) (Ger)

[Computed tomography in craniocerebral injuries in childhood] Becker H. **Unfallchirurgie** 1984 Feb;10(1):9–14 (Eng. Abstr.) (Ger)

[Exact method for the measurement of the rotation of the humerus head in the shoulder joint using computed tomography] Opitz A, et al. **Unfallchirurgie** 1983 Dec; 9(6):314–7 (Eng. Abstr.) (Ger)

[Fractures of the cervical spine and computer tomography] Strohecker J, et al. **Unfallchirurgie** 1984 Apr;10(2):81–3 (Eng. Abstr.) (Ger)

[Computed tomography diagnosis of tumors and fractures of the scapula] Crone–Münzebrock W, et al. **Unfallheilkunde** 1983 Dec;86(12):515–8 (Eng. Abstr.) (Ger)

[Importance of computerized tomography in staging bladder tumors] Bartels KD, et al. **Urologe [Ausg A]** 1983 Sep;22 Suppl:342–6 (Eng. Abstr.) (Ger)

[Accuracy of computer tomography in urinary bladder cancer. Study of 74 patients following radical cystectomy] Engelmann U, et al. **Urologe [Ausg A]** 1984 May; 23(3):161–6 (Eng. Abstr.) (Ger)

[Value of intravesical ultrasound tomography and computer tomography in the evaluation of the depth of infiltration of bladder tumors] Rothauge CF, et al. **Urologe [Ausg A]** 1984 Mar;23(2):117–20 (Eng. Abstr.) (Ger)

[Ultrasonics and computerized tomography in the diagnosis of large cavernous hemangiomas of the liver] Knoflach P, et al. **Wien Klin Wochenschr** 1984 Mar 30;96(7):266–9 (Eng. Abstr.) (Ger)

[Unusual course of a post–traumatic epidural hematoma] Kneist W, et al. **Z Arztl Fortbild (Jena)** 1984;78(2):69–71 (Ger)

[When are ultrasonic tomography and computer tomography necessary in the diagnosis of tumors?] Rotte KH, et al. **Z Arztl Fortbild (Jena)** 1983;77(13):550–4 (Ger)

[Computed tomography and preoperative staging of esophageal cancers] Gamstätter G, et al. **Z Gastroenterol** 1983 Dec;21(12):683–9 (Eng. Abstr.) (Ger)

[Lipomas of the liver—differential diagnosis of liver metastases by computerized tomography] Kampmann H, et al. **Z Gastroenterol** 1983 Sep;21(9):521–5 (Eng. Abstr.) (Ger)

[Computer tomographic diagnosis of liver diseases] Scherer U. **Z Gastroenterol** 1984 Feb;22(2):55–61 (Eng. Abstr.) (Ger)

[Computerized tomogram following pancreatic resection] Vogel H, et al. **Z Gastroenterol** 1983 Sep;21(9):536–44 (Eng. Abstr.) (Ger)

[CT study in dementia—today and in the future] Jacoby RJ. **Z Gerontol** 1984 May–Jun;17(3):132–5 (Eng. Abstr.) (Ger)

[The value of computer tomography in the postoperative long–term surveillance of patients with a vascular prosthesis for aorta replacement] Emmrich K, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):204–6 (Eng. Abstr.) (Ger)

[Computer tomographic evaluation of left ventricular kinetics] Lasek G, et al. **Z Gesamte Inn Med** 1984 Feb 15;39(4):53–9 (Eng. Abstr.) (Ger)

[Computer tomography in the evaluation of the function of the aorto–coronary vein bypass] Neugebauer A, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):207–cont'd (Eng. Abstr.) (Ger)

[Non–invasive determination of the enddiastolic volume of the left ventricle. A comparative angiocardiographic, two–dimensional echocardiographic, computer tomographic and radionuclide ventriculographic study] Bohn J, et al. **Z Kardiol** 1983 Aug;72(8):438–47 (Eng. Abstr.) (Ger)

[Tomo– and thermographic structure analysis of the myocardium] Lunkenheimer A, et al. **Z Kardiol** 1983 Oct; 72(10):592–8 (Eng. Abstr.) (Ger)

[Determination of left ventricular volume and ejection fraction by ECG–gated computer tomography. Comparison of various methods with biplane ventriculography] Mühlberger V, et al. **Z Kardiol** 1984 Mar;73(3):142–50 (Eng. Abstr.) (Ger)

[Computerized tomography in lumbar compression syndrome] Hackenbroch MH, et al. **Z Orthop** 1984 May–Jun;122(3):260–4 (Eng. Abstr.) (Ger)

[Computer tomographic evaluation of the lumbar syndrome in the degeneratively changed lumbar spine] Weiss T, et al. **Z Orthop** 1983 Nov–Dec;121(6):733–7 (Eng. Abstr.) (Ger)

[Correlation of computer tomographic, kidney vasographic and histological study results in solid kidney tumors] Freitag J, et al. **Z Urol Nephrol** 1983 Nov;76(11):689–97 (Eng. Abstr.) (Ger)

[Kidney cysts in the computerized tomogram—incidence and therapeutic consequences] Gonnermann D, et al. **Z Urol Nephrol** 1983 Nov;76(11):699–705 (Eng. Abstr.) (Ger)

[Tumors of the renal pelvis—diagnostic possibilities using CT] Kriedemann E, et al. **Z Urol Nephrol** 1984 May; 77(5):257–67 (Eng. Abstr.) (Ger)

[Computer tomography following splenectomy] Vogel H, et al. **Zentralbl Chir** 1983;108(23):1497–501 (Eng. Abstr.) (Ger)

[Value of computer tomography in clarifying lymphedema of the leg after treated gynecologic cancers] Räber G, et al. **Zentralbl Gynakol** 1984;106(7):431–9 (Eng. Abstr.) (Ger)

[Value of computer tomography in the diagnosis of the extent of tumors of the female genitals and the bladder] Schmidt F, et al. **Zentralbl Gynakol** 1983;105(19):1239–47 (Eng. Abstr.) (Ger)

[Comparison of the results of computer tomography and dimer–X ventriculography in the diagnosis of infratentorial processes] Brachmann J, et al. **Zentralbl Neurochir** 1983; 44(4):307–11 (Eng. Abstr.) (Ger)

[Treatment of brain abscess under computer tomographic control] Dietrich J. **Zentralbl Neurochir** 1983;44(4):303–6 (Eng. Abstr.) (Ger)

[Tumors of the 4th ventricle and the craniospinal transitional zone in the computer tomogram] Dietrich J, et al. **Zentralbl Neurochir** 1983;44(3):257–60 (Eng. Abstr.) (Ger)

[Computerized tomography in unilateral exophthalmos] Reider–Grosswasser I, et al. **Harefuah** 1984 Feb 1; 106(3):107–10 (Eng. Abstr.) (Heb)

[The use of computerized tomography in psychiatry (editorial)] Robinson S, et al. **Harefuah** 1983 May 15; 104(10):482–3 (Heb)

[Computerized tomography in pediatric neurology clinical practice] Nagy I, et al. **Orv Hetil** 1983 Oct 23; 124(43):2597–601 (Eng. Abstr.) (Hun)

[The role of computer tomography in the diagnosis of orbital space–occupying processes] Palkó A, et al. **Orv Hetil** 1983 Dec 4;124(49):2985–91 (Eng. Abstr.) (Hun)

[Radiodiagnosis of cervical spondylosis] Bassi P. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:5–12 (Ita)

[Computerized axial tomography in the study of orbital pathology] De Donatis M, et al. **Acta Biomed Ateneo Parmense** 1983;54(3):231–5 (Eng. Abstr.) (Ita)

[Renin–secreting renal neoplasms: problems of diagnosis and treatment] Di Giovanni V, et al. **Ann Ital Chir** 1983; 55(2):169–77 (14 ref.) (Eng. Abstr.) (Ita)

[Computerized axial tomography in the staging of cervix uteri carcinoma] Petrocchi L, et al. **Ann Ostet Ginecol Med Perinat** 1984 Jan–Feb;105(1):25–36 (Eng. Abstr.) (Ita)

[4th generation computed axial tomography in non–traumatic vertebral pathology (study of 40 cases)] Boccanera L, et al. **Arch Putti Chir Organi Mov** 1983;33:23–34 (Eng. Abstr.) (Ita)

[Computerized tomography in the location of hepato–splenic echinococcal cysts. Presentation of 2 cases] Petti A, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):453–6 (Eng. Abstr.) (Ita)

[Computed axial tomography in idiopathic osteonecrosis of the femoral head] Dettoni A, et al. **Chir Organi Mov** 1981–82;67(6):615–9 (Eng. Abstr.) (Ita)

[Uses, role and limitations of computerized tomography (CT) in mediastinal and cardiac diagnostics and the prospects of use of new related methods] Martinelli M, et al. **Clin Ter** 1984 May 15;109(3):259–76 (75 ref.) (Eng. Abstr.) (Ita)

[Computerized tomography in the study of cancer of the esophagus and cardia] Alessi G, et al. **Minerva Chir** 1984 Feb 28;39(4):191–5 (Eng. Abstr.) (Ita)

[Relation of scintigraphy, echotomography and conventional computerized tomography in the diagnosis of hepatic and splenic diseases. II. Conventional computerized tomography] Paolini FA, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):77–82 (Eng. Abstr.) (Ita)

[Current possibilities of the timely diagnosis, preoperative staging and prevention of malignant tumors of the ovary. D) CAT, if, how and when] Andreis M. **Minerva Ginecol** 1984 Apr;36(4):155–6 (Ita)

[Radiographic and computerized tomographic evaluation of 2 unusual cases of fibrous dysplasia] Bianchi SD, et al. **Minerva Stomatol** 1983 Jul–Aug;32(4):505–9 (14 ref.) (Eng. Abstr.) (Ita)

[Role of computerized axial tomography in maxillofacial injuries] Re G, et al. **Minerva Stomatol** 1983 Sep–Oct; 32(5):711–32 (Eng. Abstr.) (Ita)

[Fibrous bone dysplasias of the maxillofacial area. CT x–ray images] Re G, et al. **Minerva Stomatol** 1983 Sep–Oct; 32(5):743–7 (Eng. Abstr.) (Ita)

[Computerized axial tomography in tumors of the maxillofacial area] Rivarossa E, et al. **Minerva Stomatol** 1983 Sep–Oct;32(5):733–42 (Eng. Abstr.) (Ita)

[Anatomo–pathological method of examining the brain for a comparison with computerized axial tomography (CAT). Technical note] Carli C, et al. **Pathologica** 1984 Mar–Apr; 76(1042):241–6 (Eng. Abstr.) (Ita)

[Radiological diagnosis of esophageal carcinoma] Corsi M, et al. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):580–5 (Ita)

[Cerebral changes shown by computed tomography in children with acute lymphatic leukemia after therapy] Marin G, et al. **Radiol Med (Torino)** 1983 Jul–Aug; 69(7–8):554–8 (Eng. Abstr.) (Ita)

[Value of ultrasonics and computerized axial tomography in the staging of renal neoplasms] Musante F, et al. **Radiol Med (Torino)** 1983 Dec;69(12):933–40 (Eng. Abstr.) (Ita)

[Non–invasive studies of the left ventricle: radiocardiography and computerized tomography] Schad N. **Radiol Med (Torino)** 1983 May;69(5):368–70 (Ita)

[Criteria of operability of cerebral laceration and contusion foci. Considerations on 43 cases] La Motta A, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):478–84 (Eng. Abstr.) (Ita)

[Computer tomography in neurology: anatomo–tomodensitometric study of 59 cases] Massaro A, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):519–32 (Eng. Abstr.) (Ita)

[Correlation between computerized tomography and neuropsychologic disorders in alcoholics] Tomaiuolo S, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):298–302 (Eng. Abstr.) (Ita)

[EEG–CT correlates in a group of patients with acute and focal cerebral vascular disorders] Manni R, et al. **Riv Neurol** 1984 Mar–Apr;54(2):116–27 (Eng. Abstr.) (Ita)

[CT diagnosis of hepatic and pancreatic cancers] Moriyama N. **Gan No Rinsho** 1983 Aug;29(10):1169–74 (Eng. Abstr.) (Jpn)

[Nuclear magnetic resonance computed tomography (NMR–CT) of malignancies] Hata Y, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1155–64 (20 ref.) (Eng. Abstr.) (Jpn)

[Computerized tomographic demonstration of a nontraumatic renal subcapsular hematoma] Uchibayashi T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1653–6 (Eng. Abstr.) (Jpn)

[X–ray CT] Miyasaka K. **Hokkaido Igaku Zasshi** 1983 May; 58(3):198–206 (Jpn)

[CT beam pointer system for radiotherapy planning] Kutsutani–Nakamura Y, et al. **Iyodenshi To Seitai Kogaku** 1983 Jun;21(3):166–73 (Eng. Abstr.) (Jpn)

[Usefulness of dynamic computed tomography in the diagnosis of thoracic aortic aneurysms] Amemiya H, et al. **J Cardiogr** 1983 Mar;13(1):103–16 (Eng. Abstr.) (Jpn)

[Hypereosinophilic syndrome associated with giant negative T waves and left precordial high voltage. Echocardiographic and tomographic findings of a case] Hongo M, et al. **J Cardiogr** 1983 Mar;13(1):181–92 (Eng. Abstr.) (Jpn)

[Measurement of four chambers' volumes and ventricular masses by cardiac CT examination] Kimura M, et al. **J Cardiogr** 1983 Sep;13(3):605–15 (Eng. Abstr.) (Jpn)

[Application of computed tomography to cardiovascular system: present status and perspective] Kozuka T, et al. **J Cardiogr** 1983 Jun;13(2):425–42 (Eng. Abstr.) (Jpn)

[Diagnosis of myocardial infarction by CT: the study of an initial filling defect and late enhancement of the infarcted myocardium after injection of contrast material] Masuda Y, et al. **J Cardiogr** 1983 Dec;13(4):809–19 (Eng. Abstr.) (Jpn)

[Evaluation of constrictive pericarditis by computed tomography] Morooka N, et al. **J Cardiogr** 1983 Dec; 13(4):913–22 (Eng. Abstr.) (Jpn)

[An application of X–ray computed tomography for complex cardiac anomalies] Sakuma I, et al. **J Cardiogr** 1983 Sep; 13(3):699–713 (Eng. Abstr.) (Jpn)

[Diagnostic value of CT in congenital disorders of the great vessels] Yamada Z, et al. **J Cardiogr** 1983 Sep;13(3):685–98 (Eng. Abstr.) (Jpn)

[Clinical evaluation of radionuclide cisternography and X–ray CT in normal pressure hydrocephalus] Sui O, et al. **Kaku Igaku** 1983 Jun;20(5):651–7 (Eng. Abstr.) (Jpn)

[Evaluation of aortocoronary bypass graft patency by X–ray computed tomography] Sakuma I, et al. **Kokyu To Junkan** 1983 Aug;31(8):897–904 (Eng. Abstr.) (Jpn)

[Clinical studies on computed tomography in the diagnosis of lung cancer] Takeda H, et al. **Kyobu Geka** 1984 May; 37(5):329–36 (Eng. Abstr.) (Jpn)

[Usefulness of the coronal computed angiotomography in diagnosis of the isodense chronic subdural hematoma] Asari S, et al. **Neurol Med Chir (Tokyo)** 1984 Jun;24(6):385–9 (Eng. Abstr.) (Jpn)

[Treatment of acute head injuries following CT scan. Discussion on prevention of rebleeding based on four cases of acute epidural hematoma] Mizuno M, et al. **Neurol Med Chir (Tokyo)** 1984 Feb;24(2):110–6 (Eng. Abstr.) (Jpn)

[Cerebral cysticercosis. Characteristic CT findings related to pathological findings—case report] Munekata K, et al. **Neurol Med Chir (Tokyo)** 1984 Apr;24(4):265–70 (Eng. Abstr.) (Jpn)

[Evolution of traumatic intracerebral hematoma. Analysis of sequential CT scans since per–acute stage] Nagaseki Y, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):316–23 (Eng. Abstr.) (Jpn)

[Methodological study of computed tomographic evaluation of intrasellar lesions] Watanabe S, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):324–9 (Eng.

Abstr.) (Jpn)
[The indication of hepatic resection from medical imaging technique for hepatocellular carcinoma] Ryu M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):904–7 (Eng. Abstr.) (Jpn)
[Pelvic exenteration combined with sacral resection for recurrent rectal cancer. The roles of carcinoembryonic antigen and pelvic computed tomography for early detection] Takagi H, et al. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):153–9 (Eng. Abstr.) (Jpn)
[Observation on the pulmonary lesion of progressive systemic sclerosis by pulmonary computed tomography] Yamazaki S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Mar;94(3):195–9 (Jpn)
[Computerized tomography of renal parenchymal disturbance following nephrolithotomy] Fukuoka H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1429–35 (Eng. Abstr.) (Jpn)
[Comparative study of scintigraphy, single photon emission CT, and computed tomography in the evaluation of space occupying lesions of the liver] Dodo Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25; 44(1):61–72 (Eng. Abstr.) (Jpn)
[Evaluation of clinical efficacy of body x-ray computed tomography (XCT) for various hepatic and pancreatic diseases. 1. A prospective study and several results] Fukuhisa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Apr 25; 44(4):604–23 (Eng. Abstr.) (Jpn)
[Evaluation of CT in retroperitoneal and pelvic lymphadenopathy—comparison with lymphography] Hamada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 May 25; 43(5):649–56 (Eng. Abstr.) (Jpn)
[CT xray diagnosis of pleural invasion of lung cancer] Higashihara T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun;43(6):743–9 (Eng. Abstr.) (Jpn)
[Value of computed tomography as a screening examination of pancreatic cancer] Honda H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 May 25; 43(5):657–62 (Eng. Abstr.) (Jpn)
[Method for making absorbed dose calculations in a heterogeneous medium using equations of differential scatter–air ratio and differential backscatter factor based on the density scaling theorem] Iwasaki A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Mar 25; 44(3):503–16 (Eng. Abstr.) (Jpn)
[CT studies of morphological characteristics of enlarged ventricle, with special reference to the values based on multivariate analysis] Iwasaki S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun; 43(6):757–69 (Eng. Abstr.) (Jpn)
[Diagnosis of pancreatic carcinoma by high dose contrast enhancement CT] Kohno S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25; 43(8):1006–14 (Jpn)
[Studies on CT image of the liver, especially on the attenuation coefficients (CT units)] Maeda H. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Feb 25; 44(2):346–57 (Eng. Abstr.) (Jpn)
[Computed tomography of hydatidiform mole. Evaluation of myometrial invasion of 'mole in utero'] Miyasaka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25; 44(1):99–102 (Eng. Abstr.) (Jpn)
[Preoperative comparison of ultrasound and computed tomography in the diagnosis of ovarian tumors] Miyasaka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25;44(1):23–30 (Eng. Abstr.) (Jpn)
[An approach to hepatic blood flow evaluation by dynamic CT] Sako M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1370–5 (Eng. Abstr.) (Jpn)
[A new contrast medium for bowel opacification in abdominal CT scans—with comparative studies on water-soluble iodinated contrast and on fat emulsion] Sako M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25;44(1):93–5 (Eng. Abstr.) (Jpn)
[Studies of extracerebral space of infants shown on CT x-ray] Shibakiri I, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Sep 25; 43(9):1104–9 (Eng. Abstr.) (Jpn)
[A new method of calculation of thyroid weight using computed tomography] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1357–65 (Eng. Abstr.) (Jpn)
[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382–92 (Eng. Abstr.) (Jpn)
[Percutaneous transsplenic portal hepatogram CT in diagnosis of primary hepatoma] Takeshita G. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Apr 25; 44(4):577–84 (Eng. Abstr.) (Jpn)
[Usefulness of computed tomography (CT) in the diagnosis of portosystemic collaterals in liver cirrhosis] Tsukune Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25; 44(1):31–41 (Eng. Abstr.) (Jpn)
[Diagnostic capacity of CT scanning in surgery of progressive lung cancer] Kimura M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):345–53 (Eng. Abstr.) (Jpn)
[Case of intralobar pulmonary sequestration—with special reference to demonstration of abnormal arteries by computed tomography] Hongo M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):293–7 (Eng. Abstr.) (Jpn)
[Computed tomography of pulmonary nodules] Nakata H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):851–7 (Eng. Abstr.) (Jpn)
[Computed tomography of asbestos-related pleural thickening] Saitoh N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1033–48 (Eng. Abstr.) (Jpn)
[A case of intracerebral tuberculoma located deep in the hemisphere] Kinoshita N, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):21–6 (Jpn)
[Clinical application of ECG-gated serial X-ray computed cardiotomography] Sakuma I. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):761–71 (Jpn)
[Digital radiography: definition and classification] Iinuma T. **Nippon Rinsho** 1983 Jul;41(7):1383–7 (Jpn)
[CT-based radiation treatment planning] Izuno I. **Nippon Rinsho** 1983 Jul;41(7):1665–72 (Jpn)
[CT diagnosis of Alzheimer's disease] Imai Y. **Nippon Ronen Igakkai Zasshi** 1983 Sep;20(5):410–9 (Eng. Abstr.) (Jpn)
[Role of X-ray CT in diagnosis of ovarian tumor] Yamauchi I. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):785–94 (Eng. Abstr.) (Jpn)
[A study on torsion of the lower leg in osteoarthritis of the knee. Measurement of leg torsion by computerized tomography] Yagi T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Apr;58(4):405–17 (Eng. Abstr.) (Jpn)
[Clues for CT diagnosis of small resectable cancer of the pancreas] Gondo M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1198–207 (Eng. Abstr.) (Jpn)
[Demonstration of arterioportal shunt by dynamic computed tomography] Nakayama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Nov; 80(11):2396–403 (Eng. Abstr.) (Jpn)
[Diagnosis of small hepatocellular carcinoma by computed tomography. Studies on comparison with pathologic findings] Tsunetomi S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jan;81(1):72–81 (Eng. Abstr.) (Jpn)
[Slow wave focus of EEG and CT—correlation between the functional disturbances and organic lesions of the brain] Asakura T, et al. **No Shinkei Geka** 1983 Oct;11(10):1009–21 (59 ref.) (Jpn)
[A case of huge neurofibroma expanding extra- and intracranially through the enlarged jugular foramen—CT scan findings and surgical approach] Hanakita J, et al. **No Shinkei Geka** 1984 Jan;12(1):109–13 (Eng. Abstr.) (Jpn)
[Neuroradiological examinations of extracranial extension of brain tumors] Hanakita J, et al. **No Shinkei Geka** 1984 Mar; 12(4):445–50 (Eng. Abstr.) (Jpn)
[Diagnostic value of CT in spinal cord neurinomas] Koyama T, et al. **No Shinkei Geka** 1983 Aug;11(8):845–54 (Eng. Abstr.) (Jpn)
[Computerized tomographic evaluation of 33 cases of craniopharyngioma, with special reference to unusual extension, iso-dense cyst and homogeneous enhancement] Nagasawa S, et al. **No Shinkei Geka** 1983 Dec; 11(12):1279–85 (Eng. Abstr.) (Jpn)
[Arteriovenous malformations of the cervical spinal cord—with special reference to CT study] Nagasawa S, et al. **No Shinkei Geka** 1984 Jan;12(1):93–8 (Eng. Abstr.) (Jpn)
[Four cases of cerebral venous angioma—with special reference to its surgical indication and CT diagnosis] Nagata K, et al. **No Shinkei Geka** 1983 Nov;11(11):1201–8 (Eng. Abstr.) (Jpn)
[CT-guided stereotaxic brain tumor biopsy] Niizuma H, et al. **No Shinkei Geka** 1984 Jan;12(1):55–61 (Eng. Abstr.) (Jpn)
[Postoperative regression speed of chronic subdural hematoma, with special reference to the subsequent study by CT xray] Nishijima M, et al. **No Shinkei Geka** 1983 Aug;11(8):813–9 (Eng. Abstr.) (Jpn)
[Protective effect of mannitol in cerebral infarction—CT findings and physiological observation in experimental cerebral infarction in dogs] Ohishi H, et al. **No Shinkei Geka** 1984 Feb;12(2):153–8 (Eng. Abstr.) (Jpn)
[CT scan in ruptured intracranial aneurysm—comparative studies of initial bleeding and rebleeding] Suzuki M, et al. **No Shinkei Geka** 1983 Oct;11(10):1077–82 (Eng. Abstr.) (Jpn)
[Value of contrast-enhanced CT scan in prediction of development of contusional hemorrhage] Yokoyama K, et al. **No Shinkei Geka** 1983 Oct;11(10):1069–74 (Eng. Abstr.) (Jpn)
[A case of clinical Reye's syndrome presenting characteristic CT changes] Hino T, et al. **No To Hattatsu** 1984; 16(3):210–7 (Eng. Abstr.) (Jpn)
[Case of megalencephaly with leukodystrophic findings in CT scans—Alexander's disease?] Kyoya S, et al. **No To Hattatsu** 1984 Jan;16(1):76–8 (Jpn)
[CT findings in Menkes' kinky hair disease] Muramatsu Y, et al. **No To Hattatsu** 1984 Jan;16(1):61–7 (Eng. Abstr.) (Jpn)
[4 cases of minor motor seizures following bacterial meningitis—detection of the primary lesions by CT] Suzuki H, et al. **No To Hattatsu** 1983 Sep;15(5):417–24 (Eng. Abstr.) (Jpn)
[Sequential changes of experimental cerebral infarction—CT and histological studies] Ohishi H, et al. **No To Shinkei** 1983 Oct;35(10):983–8 (Eng. Abstr.) (Jpn)
[Evaluation of brain death by computed tomography] Shiogai T, et al. **No To Shinkei** 1983 Dec;35(12):1229–39 (Eng. Abstr.) (Jpn)
[Computed tomographic appearances of hepatic hemangiomas] Abe M, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):279–83 (Eng. Abstr.) (Jpn)
[Computed tomography of hepatocellular carcinoma—dilatation of intrahepatic bile duct] Choi S, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1049–53 (Eng. Abstr.) (Jpn)
[A case of tracheobronchopathia osteochondroplastica] Fukuda Y, et al. **Rinsho Hoshasen** 1984 Mar;29(3):401–4 (Eng. Abstr.) (Jpn)
[CT findings in giant cerebral aneurysms] Hayasaka K, et al. **Rinsho Hoshasen** 1983 Jul;28(7):799–802 (Eng. Abstr.) (Jpn)
[Computed tomography of gastrointestinal smooth muscle tumors] Honda H, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):285–8 (Eng. Abstr.) (Jpn)
[CT diagnosis of the invasion to the gallbladder in neoplastic and inflammatory diseases] Honda H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):361–5 (Eng. Abstr.) (Jpn)
[A case with cholecystoduodenal fistula and CAT scanning] Iizumi S, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1595–8 (Eng. Abstr.) (Jpn)
[A case report of retroperitoneal Castleman's tumor] Ishiguchi T, et al. **Rinsho Hoshasen** 1984 Jan;29(1):155–8 (Eng. Abstr.) (Jpn)
[Computed tomography of intrahepatic cholangiocarcinoma (peripheral type)] Kamimura R, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1055–9 (Eng. Abstr.) (Jpn)
[Assessment of routine screening of liver and bone RI imaging and brain CT in bronchogenic carcinoma] Kanazawa H, et al. **Rinsho Hoshasen** 1984 Feb;29(2):273–7 (Eng. Abstr.) (Jpn)
[Imaging diagnosis of gallbladder carcinoma] Kanazawa S, et al. **Rinsho Hoshasen** 1984 Jan;29(1):49–56 (Eng. Abstr.) (Jpn)
[The value of CT in the detection of mural invasion in colon cancer] Katayama H, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):57–60 (Eng. Abstr.) (Jpn)
[Computed tomography scan of ovarian tumor] Kimizu K, et al. **Rinsho Hoshasen** 1984 Jan;29(1):67–71 (Eng. Abstr.) (Jpn)
[Case of huge foramen magnum neurinoma diagnosed by CT] Kitami K, et al. **Rinsho Hoshasen** 1983 Jul;28(7):803–6 (Eng. Abstr.) (Jpn)
[Case of polysplenia syndrome] Kobayashi Y, et al. **Rinsho Hoshasen** 1983 Aug;28(8):899–902 (Eng. Abstr.) (Jpn)
[Usefulness of CT for the diagnosis of aneurysm of the thoracic aorta in a child] Kuribayashi S, et al. **Rinsho Hoshasen** 1983 Sep;28(9):985–7 (Eng. Abstr.) (Jpn)
[Computed tomography of the auditory ossicles] Kurosaki Y, et al. **Rinsho Hoshasen** 1983 Sep;28(9):937–44 (Eng. Abstr.) (Jpn)
[Computed tomography of pituitary microadenoma] Lee K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):865–9 (Eng. Abstr.) (Jpn)
[Computed tomography of the ascites] Matsumoto K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1071–6 (Eng. Abstr.) (Jpn)
[Usefulness of CT arteriography] Matsunaga T, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1473–8 (Eng. Abstr.) (Jpn)
[Computed tomography of gastro-renal venous shunt: case report] Matsuo H, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):143–6 (Eng. Abstr.) (Jpn)
[CT findings of benign retroperitoneal tumors] Matsuura T, et al. **Rinsho Hoshasen** 1983 Jul;28(7):773–8 (Eng. Abstr.) (Jpn)
[CT findings of the retained surgical gauze and towel] Miyake H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):377–80 (Eng. Abstr.) (Jpn)
[Computed tomography of the bronchovascular anatomy. 2. Right middle lobe, left lingular division and lower lobes] Mori M, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1447–52 (Eng. Abstr.) (Jpn)
[Computed tomography of the bronchovascular anatomy of the lungs. 1. The right upper lobe and left upper division] Mori M, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1043–8 (Eng. Abstr.) (Jpn)
[Computed tomography of upper lobe atelectasis: changes of fat density occupying the dead space] Mori M, et al. **Rinsho Hoshasen** 1984 Feb;29(2):267–71 (Eng. Abstr.) (Jpn)
[CT findings of intravenous tumor thrombosis] Nakagama H, et al. **Rinsho Hoshasen** 1983 Sep;28(9):961–5 (Eng. Abstr.) (Jpn)
[Characteristic findings of intracranial fusiform aneurysm on CT scan] Nitta T, et al. **Rinsho Hoshasen** 1983 Jun; 28(6):689–91 (Eng. Abstr.) (Jpn)

[Case of subacute hepatitis with interesting CT findings] Ohta H, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1089–91 (Eng. Abstr.) (Jpn)

[Imaging diagnosis of islet cell tumors] Onodera H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):367–71 (Eng. Abstr.) (Jpn)

[Dynamic CT image of the capsule of hepatocellular carcinoma] Otuji H, et al. **Rinsho Hoshasen** 1983 Nov; 28(12):1465–71 (Eng. Abstr.) (Jpn)

[Case of vagal body paraganglioma successfully diagnosed by CT] Sasaki F, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):807–10 (Eng. Abstr.) (Jpn)

[2 cases of duplication of the inferior vena cava and a retroaortic left renal vein—with special references to CT findings] Sasaki F, et al. **Rinsho Hoshasen** 1983 Aug; 28(8):903–6 (Eng. Abstr.) (Jpn)

[Preoperative CT diagnosis of ovarian teratoma: a case report] Sasaki F, et al. **Rinsho Hoshasen** 1983 Sep; 28(9):1009–11 (Eng. Abstr.) (Jpn)

[CT diagnosis of membranous obstruction of the inferior vena cava] Seki T, et al. **Rinsho Hoshasen** 1983 Jun;28(6):703–6 (Eng. Abstr.) (Jpn)

[Case of hepatic artery aneurysm in which echography and CT were useful for the diagnosis] Sohma M, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1101–3 (Eng. Abstr.) (Jpn)

[Computed tomographic diagnosis of thyroid nodules] Takahashi M, et al. **Rinsho Hoshasen** 1984 Feb;29(2):257–61 (Eng. Abstr.) (Jpn)

[Computed tomography scans of metastatic hepatic tumors] Takemoto K, et al. **Rinsho Hoshasen** 1984 Jan;29(1):37–43 (Eng. Abstr.) (Jpn)

[2 cases of emphysematous pyelonephritis demonstrated by computed tomography] Tonami H, et al. **Rinsho Hoshasen** 1983 Sep;28(9):1005–8 (Eng. Abstr.) (Jpn)

[Orbital varix] Tsuboi K, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):111–4 (Eng. Abstr.) (Jpn)

[Computed tomography of spinal lumbosacral lipoma in children] Tsumura M, et al. **Rinsho Hoshasen** 1983 Dec; 28(13):1569–73 (Eng. Abstr.) (Jpn)

[A case of ganglioglioma in an infant] Yamada H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):397–9 (Eng. Abstr.) (Jpn)

[Computed tomographic appearance of the abdominal lymphadenopathy due to tuberculosis] Yamada T, et al. **Rinsho Hoshasen** 1984 Feb;29(2):323–6 (Eng. Abstr.) (Jpn)

[Case of schistosomiasis japonica with hepatic calcification] Yamaguchi H, et al. **Rinsho Hoshasen** 1983 Oct; 28(10):1097–9 (Eng. Abstr.) (Jpn)

[Computed tomography of cystadenocarcinoma of the pancreas] Yamamoto S, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):135–7 (Jpn)

[Congenital absence of the left lobe of the liver: CT diagnosis] Yamamoto S, et al. **Rinsho Hoshasen** 1984 Feb;29(2):315–7 (Eng. Abstr.) (Jpn)

[Computed tomography of retroperitoneal dermoid cyst] Yamamoto S, et al. **Rinsho Hoshasen** 1984 Mar;29(3):423–5 (Eng. Abstr.) (Jpn)

[CT of choledochal cyst] Yamamoto S, et al. **Rinsho Hoshasen** 1983 Jun;28(6):699–701 (Eng. Abstr.) (Jpn)

[CT findings in Mirizzi syndrome] Yamamoto S, et al. **Rinsho Hoshasen** 1983 Jul;28(7):811–4 (Eng. Abstr.) (Jpn)

[Radiation therapy planning system using computed tomographic image] Yoneda K, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1527–9 (Eng. Abstr.) (Jpn)

[CT x-ray of hilar lymphadenopathy] Yoshida S, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1439–46 (Eng. Abstr.) (Jpn)

[Diagnosis of pulmonary sequestration by CT] Shigenobu M, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):623–7 (Eng. Abstr.) (Jpn)

[Familial dystonia with atrophy of the putamen and caudate nuclei detected by CT scan—biochemical study of catecholamine metabolism] Hirase T, et al. **Rinsho Shinkeigaku** 1983 Jul;23(7):585–91 (Eng. Abstr.) (Jpn)

[Membranous lipodystrophy (Nasu) among three siblings—with special reference to cerebral CT findings] Tanahashi N, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):956–62 (Eng. Abstr.) (Jpn)

[Bilateral symmetrical low density areas in the basal ganglia—a case with dysarthria and gait disturbance] Ugawa Y, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):354–7 (Eng. Abstr.) (Jpn)

[CT findings in 3 cases of syringomyelia] Ugawa Y, et al. **Rinsho Shinkeigaku** 1983 Aug;23(8):683–8 (Eng. Abstr.) (Jpn)

[Computerized tomography of the skeletal muscles in muscular dystrophy] Dietrichson P, et al. **Tidsskr Nor Laegeforen** 1984 Apr 30;104(12):793–5 (Eng. Abstr.) (Nor)

[Usefulness of computerized tomography in the diagnosis of intraocular foreign bodies] Ziemiański A, et al. **Klin Oczna** 1983 Nov–Dec;85(11–12):429–31 (Eng. Abstr.) (Pol)

[A case of metastasis of prostatic cancer to the orbit shown on the computerized tomography image] Ziemiański A, et al. **Klin Oczna** 1983 Jul;85(7):287–9 (Eng. Abstr.) (Pol)

[The image of cerebral angioma in computerized tomography] Czernicki Z, et al. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):69–73 (Eng. Abstr.) (Pol)

[Computerized tomography in the diagnosis of hematomas after renal biopsy] Rzymski K, et al. **Pol Arch Med Wewn** 1983 Oct;70(4):161–6 (Eng. Abstr.) (Pol)

[Computerized tomography in the diagnosis of metastatic thoracic neoplasms] Dziukowa J, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):295–7 (Eng. Abstr.) (Pol)

[Computerized tomography in the diagnosis of spinal injuries] Gusta A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):105–8 (Eng. Abstr.) (Pol)

[Computerized tomography in the evaluation of the degree of progression of cancer of the large intestine before and after surgical treatment] Szmeja J, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):135–41 (Eng. Abstr.) (Pol)

[Value of computerized tomography in the diagnosis of orbital changes in Graves–Basedow disease] Ziemiański A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Sep–Dec; 47(5–6):349–54 (Eng. Abstr.) (Pol)

[Value of computerized tomography of the head in neurological expert testimony] Derach–Kuszczyńska M. **Pol Tyg Lek** 1983 Dec 5;38(49):1541–2 (Eng. Abstr.) (Pol)

[Computerized tomography – a contribution to the diagnosis of pancreatic cysts] Badowski A, et al. **Wiad Lek** 1983 Jul 1;36(13):1087–91 (Eng. Abstr.) (Pol)

[Value of computerized tomography in the diagnosis of subtentorial tumors in children] Gołąbek R, et al. **Wiad Lek** 1983 Sep 1;36(17):1427–32 (Pol)

[Computerized tomography of the abdomen in the diagnosis and surgical treatment of acute pancreatitis] Machado MC, et al. **AMB** 1984 Mar–Apr;30(3–4):57–60 (Eng. Abstr.) (Por)

[Computerized tomography in patients with neurocysticercosis with intracranial hypertension due to obstructive hydrocephalus: comparison with Dimer–X ventriculography] Colli BO, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):116–25 (Eng. Abstr.) (Por)

[Progressive facial hemiatrophy: report of a case] Speciali JG, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):166–70 (Eng. Abstr.) (Por)

[Tomodensitometry. Its contribution to affirming the diagnosis of orbito–ocular pathology] Bănacu I, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep;27(3):181–4 (Eng. Abstr.) (Rum)

[Computerized tomography. General principles of the method and indications in gastroenterology] Georgescu S, et al. **Rev Med Interna [Med Interna]** 1984 Mar–Apr; 36(2):97–104 (Eng. Abstr.) (Rum)

[The place and value of computerized tomography in the study of tumor masses in children] Georgescu S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Jan–Mar; 33(1):47–60 (Eng. Abstr.) (Rum)

[Possibilities of computed tomography in gynecology] Gabuniia RI, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):62–4 (Eng. Abstr.) (Rus)

[Potentials of computer tomography in diagnosing ovarian and uterine tumors] Savinova VF, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):67–9 (Eng. Abstr.) (Rus)

[Comparative evaluation of the information value of computer tomography and objective clinical study based on surgical data in patients with ovarian, corpus and cervix uteri neoplasms] Spasokukotskaia ON, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):32–4 (Eng. Abstr.) (Rus)

[Determination of the extent of lung cancer using computed tomography] Kolesnikova EK, et al. **Grudn Khir** 1983 Nov–Dec;(6):48–50 (Eng. Abstr.) (Rus)

[Computer tomography in cardiology. 1. Methods] Rabkin IKh, et al. **Kardiologiia** 1984 Mar;24(3):14–7 (Eng. Abstr.) (Rus)

[Diagnosis of gallbladder diseases by computed tomography] Rabkin IKh, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):97–9 (Rus)

[Diagnosis of aortic aneurysms using computerized tomography] Rabkin IKh, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):134–7 (Rus)

[Computerized tomography in the diagnosis of lung cancer] Uspenskiĭ LV, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):27–9 (Eng. Abstr.) (Rus)

[Standard x-ray tomographic anatomy of the abdominal cavity in the axial projection] Ternovoĭ SK. **Klin Khir** 1984 Feb;(2):39–42 (Eng. Abstr.) (Rus)

[Value of computed tomography in the diagnosis of echinococcosis of organs in the abdominal cavity and retroperitoneal space] Filimonov GP, et al. **Klin Med (Mosk)** 1983 Nov;61(11):91–4 (Eng. Abstr.) (Rus)

[Computerized tomography in planning radiation therapy of patients with nasopharyngeal squamous-cell cancer] Aliev BM, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):26–9 (Eng. Abstr.) (Rus)

[Computed tomography in the diagnosis of parasitic liver diseases] Filimonov GP, et al. **Med Radiol (Mosk)** 1984 May;29(5):49–54 (Rus)

[Computerized tomography in the evaluation of the state of the retroperitoneal lymph nodes] Semchenko EA, et al. **Med Radiol (Mosk)** 1984 May;29(5):54–8 (Eng. Abstr.) (Rus)

[Computerized tomography in the topometric support of radiation therapy] Vorob'ev IuI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):20–5 (66 ref.) (Rus)

[Value of computerized tomography in the preoperative diagnosis of changes in the adrenal glands] Nechal AI, et al. **Vestn Khir** 1984 Mar;132(3):71–4 (Eng. Abstr.) (Rus)

[Computerized tomography in the diagnosis of laryngeal diseases] Kossovoĭ AL. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):70–4 (39 ref.) (Rus)

[Computer tomography in the diagnosis of paranasal sinus neoplasms] Preobrazhenskiĭ NA, et al. **Vestn Otorinolaringol** 1983 Jul–Aug;(4):42–5 (Eng. Abstr.) (Rus)

[Computed tomography in acute closed craniocerebral trauma. I. Diagnosis of contusion foci and intracranial hematomas] Kishkovskiĭ AN, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):10–7 (Eng. Abstr.) (Rus)

[Organs of the chest cavity in the computer tomographic image] Savchenko AP, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):7–12 (Eng. Abstr.) (Rus)

[Diagnosis of tumors of the middle part of the face using computed tomography] Nemet T, et al. **Voen Med Zh** 1983 Nov;(11):54–5 (Rus)

[The role of computed tomography in the diagnosis of rectal cancer recurrences] Gabuniia RI, et al. **Vopr Onkol** 1983; 29(11):75–9 (Eng. Abstr.) (Rus)

[Computer tomography of the pancreas] Ternovoĭ SK. **Vrach Delo** 1983 Oct;(10):61–3 (Eng. Abstr.) (Rus)

[Computer tomography in psychiatry (review of foreign research)] Medvedev AV, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1411–9 (111 ref.) (Rus)

[Computer–tomographic studies of the brain in neurology (5–year experience with our own studies and short review of the foreign literature)] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1402–11 (106 ref.) (Rus)

[Computer tomography diagnosis of pheochromocytoma] Agbaba M, et al. **Lijec Vjesn** 1984 Jun;106(6):234–7 (Eng. Abstr.) (Scr)

[Blood vessels of the abdomen in computerized tomography] Stern–Padovan R, et al. **Lijec Vjesn** 1984 Apr;106(4):142–7 (Eng. Abstr.) (Scr)

[Topographic–anatomic relations in the upper mediastinum in computerized tomography] Stern–Padovan R, et al. **Lijec Vjesn** 1984 May;106(5):180–4 (Eng. Abstr.) (Scr)

[Physical principles of tomographic imaging and its use in practice] Hupka S. **Bratisl Lek Listy** 1983 Dec;80(6):708–16 (Slo)

[Significance of computer tomography in the diagnosis of tumors of the cerebellopontile angle] Točík J, et al. **Cesk Otolaryngol** 1983 Nov;32(6):362–6 (Eng. Abstr.) (Slo)

[Value of computerized axial tomography in the diagnosis of the invasiveness and follow–up of patients with testicular cancer] Germa Liuch JR, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):355–60 (Eng. Abstr.) (Spa)

[Hemorrhagic cerebral infarct. Clinical characteristics and cranial computerized tomography] Calandre L, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):709–12 (Eng. Abstr.) (Spa)

[Pseudotumor cerebri: study of 20 cases with cranial computerized tomography] Dávalos A, et al. **Med Clin (Barc)** 1984 Apr 21;82(15):661–3 (Eng. Abstr.) (Spa)

[Computed axial tomography in adult hepatorenal polycystosis (Potter type III)] Franquet Casas T, et al. **Med Clin (Barc)** 1983 Jun 18;81(2):57–9 (Eng. Abstr.) (Spa)

[Diagnostic value of computerized axial tomography in hernia of Spieghel (letter)] Pedro De Lelis F, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):184 (Spa)

[Computerized axial tomography (CAT) and giant lymph node hyperplasia (letter)] Rodríguez E, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):646–7 (Spa)

[Occipital infarct after an episode of eclampsia. Importance of computerized axial tomography] Ferrando M, et al. **Rev Clin Esp** 1984 May 15;173(3):183–4 (Spa)

[Non–invasive diagnosis of traumatic hemobilia] Hernández González N, et al. **Rev Esp Enferm Apar Dig** 1984 May; 65(5):445–8 (Eng. Abstr.) (Spa)

[Use of computerized axial tomography in the diagnosis of acute pancreatitis and its complications] Hurtado Andrade H, et al. **Rev Gastroenterol Mex** 1984 Jan–Mar;49(1):31–7 (Eng. Abstr.) (Spa)

[Computerized axial tomography in the diagnosis of hematomas following renal biopsy. Experience in 18 patients] García Ortiz R, et al. **Rev Med Chil** 1984 Feb; 112(2):146–51 (Eng. Abstr.) (Spa)

[Computerized axial tomography in the diagnosis of intracerebral hemorrhage. Experience with 148 patients] Godoy J, et al. **Rev Med Chil** 1983 Jan;111(1):21–07 (Eng. Abstr.) (Spa)

[Computed axial tomography in the diagnosis of occlusive vascular accidents. Experience with 181 patients] Méndez J, et al. **Rev Med Chil** 1983 Jun;111(6):588–92 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Brachial plexus radiculopathy and computed tomography [letter] Pillemer SR, et al. **Ann Intern Med** 1984 Apr; 100(4):619

[Radiation risk of computer tomography] Stargardt A, et al. **Radiol Diagn (Berl)** 1984;25(2):205–12 (Eng. Abstr.) **(Ger)**

ECONOMICS

Changing patterns in the evaluation of renal masses: economic implications. Zimmer WD, et al. **AJR** 1984 Aug; 143(2):285–9

Computed tomography for cervical adenopathy. Does the cost justify the results? Cantrell RW. **Arch Otolaryngol** 1984 Jul;110(7):441–2

The cost effectiveness of CT–assisted radiotherapy planning. Badcock PC. **Strahlentherapie** 1984 Jul;160(7):427–30

Medical staff conference on osteoporosis [letter] **West J Med** 1984 Jan;140(1):101–4

HISTORY

[History of computer tomography (on the occasion of 10 years of computer tomography] Hammer B. **Computertomographie** 1982 Jun;2(2):59–61 **(Ger)**

INSTRUMENTATION

Probe holder for stereotactic surgery in the CT scanner. A technical note. Lunsford LD, et al. **Acta Neurochir (Wien)** 1983;69(3–4):297–304

Stereotactic CT scan applied to stereotactic thalamotomy and biopsy. Ohye C, et al. **Acta Neurochir (Wien)** 1984; 71(1–2):55–68

Measurement of background signals due to scattered and off–focal radiation on CT scanners. Nielsen B. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):73–9

Device for performing direct coronal CT scanning of the abdomen and pelvis. Goldberg HI, et al. **AJR** 1984 Oct; 143(4):900–2

Improved head support for prone myelographic and CT examinations. Osborne D. **AJR** 1983 Nov;141(5):1025–6

Simple traction–immobilization device for CT scanners. Robertson J, et al. **AJR** 1983 Dec;141(6):1331

The 'composite image': a photographic error in computed tomography with a multiformat camera. Silverman PM, et al. **AJR** 1984 May;142(5):961–2

Experience using two CT–guided stereotactic biopsy methods. Bullard DE, et al. **Appl Neurophysiol** 1983; 46(1–4):188–92

Digital radiography for target point evaluation in stereotactic neurosurgery. Fröder M, et al. **Appl Neurophysiol** 1983; 46(1–4):206–10

Computer graphics with computerized tomography for functional neurosurgery. Hardy TL, et al. **Appl Neurophysiol** 1983;46(1–4):217–26

Stereotactic CT scanning for the biopsy of intracranial lesions and functional neurosurgery. Kelly PJ, et al. **Appl Neurophysiol** 1983;46(1–4):193–9

The role of computed tomographic and digital radiographic techniques in stereotactic procedures for electrode implantation and mapping, and lesion localization. Peters TM, et al. **Appl Neurophysiol** 1983;46(1–4):200–5

A multipurpose CT–guided stereotactic instrument of simple design. Van Buren JM, et al. **Appl Neurophysiol** 1983; 46(1–4):211–6

The Dynamic Spatial Reconstructor: investigating congenital heart disease in four dimensions. Sinak LJ, et al. **Cardiovasc Intervent Radiol** 1984;7(3–4):124–39

Computer–assisted conformation radiotherapy system. An application of CT. Ishigaki T, et al. **Eur J Radiol** 1983 Nov;3(4):367–74

Reimbursement regs may pump new life into CT. Gallivan M. **Hospitals** 1983 Nov 1;57(21):79–80

Improved devices can enhance hospitals' images. Rollo FD. **Hospitals** 1983 Nov 1;57(21):61–2, 65–6, 68

Split xenon detector for tomochemistry in computed tomography. Fenster A. **J Comput Assist Tomogr** 1978 Jul; 2(3):243–52

An inexpensive color display for computed tomography scanners and other imaging systems. Richardson RL. **J Comput Assist Tomogr** 1978 Jul;2(3):375–7

A device to indicate anatomical level in computed tomography. Villafana T, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):368–71

The design of a computer–assisted education system using a CT scanner computer. Rowberg AH, et al. **J Med Syst** 1984 Apr;8(1–2):111–4

CT–guided stereotactic biopsies using a modified frame and Gildenberg techniques. Bullard DE, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):590–5

CT–guided stereotactic neurosurgery: experience in 24 cases with a new stereotactic system. Thomas DG, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):9–16

Head–holder interfacing computed tomography with Talairach stereotactic frame. Motti ED, et al. **J Neurosurg Sci** 1983 Jul–Sep;27(3):219–23

Image quality and dose in computerized tomography: evaluation of four CT scanners. Borasi G, et al. **Med Phys** 1984 May–Jun;11(3):321–5

Phantom measurements and error estimation in volume determination with ECG–triggered cardio–computed tomography. Schultz E, et al. **Med Prog Technol** 1983; 10(1):55–61

Stereotactic implantation of deep brain electrodes using computed tomography. Lunsford LD, et al. **Neurosurgery** 1983 Sep;13(3):280–6

Realising the SPECT capability of a rotating gamma camera: an alternative approach. Morris PB, et al. **Phys Med Biol** 1984 Jun;29(6):733–7

An ionisation chamber based CT dosimetry system. Poletti JL. **Phys Med Biol** 1984 Jun;29(6):725–31

Whole body scanners: a comparison between a second and third generation system. Brooker MJ. **Radiography** 1984 Mar–Apr;50(590):75–80

An alignment ruler for computed tomography scanning. Faulkner K, et al. **Radiography** 1983 Dec;49(588):279–81

Cardiac imaging with a high–speed Cine–CT Scanner: preliminary results. Lipton MJ, et al. **Radiology** 1984 Sep; 152(3):579–82

An infusion system for improved vascular opacification during CT. Zelenik ME, et al. **Radiology** 1984 Sep; 152(3):816

[Microcomputerized tomograph for quantitative studies of bone in human extremities] Stebler B, et al. **Biomed Tech (Berlin)** 1983 Sep;28(9):196–205 (Eng. Abstr.) **(Ger)**

[A dynamic phantom for computer tomography] Nüsslin F. **Computertomographie** 1981 Jun;1(2):96–9 (Eng. Abstr.) **(Ger)**

[Temperature storage ability and radiation ability of rotating anodes in high–performance roentgen tubes] Schreiber P. **Computertomographie** 1983 Sep;3(3):101–5 (Eng. Abstr.) **(Ger)**

[Value of computed tomographic studies in lumbar disk prolapse: a comparison of 2d and 3d generation CT apparatus] zur Nedden D, et al. **Rontgenpraxis** 1983 Oct; 36(10):354–8 **(Ger)**

[Computerized tomography: analysis of the characteristics of various pieces of equipment] Borasi G, et al. **Radiol Med (Torino)** 1983 Oct;69(10):800–11 (Eng. Abstr.) **(Ita)**

[Ultrafast CT xray and its application to myocardial imaging] Iinuma T. **Nippon Rinsho** 1983 Jul;41(7):1653–64 **(Jpn)**

[Biotechnological characteristics of digital subtraction system. Shimazu DAR–100] Shimizu Y. **Nippon Rinsho** 1983 Jul;41(7):1590–3 **(Jpn)**

[Various features of the Soviet computer tomograph SRT–1000 M] Zhivoderov VM, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):74–6 (Eng. Abstr.) **(Rus)**

METHODS

Nephroangiotomographic diagnosis of retroperitoneal spleen. Report of a case. Bianchi SD, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):391–3

Measurement of regional changes in myocardial perfusion using dynamic computed tomography and contrast medium. Doherty PW, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):297–303

Femoral anatomy described in cylindrical coordinates using computed tomography. Egund N, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):209–15

E–Z–CAT. An oral contrast medium for use in computed tomography of the abdomen. Nyman U, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):121–4

Enhancement with water–soluble contrast media in computed tomography of the brain and abdomen. Survey and present state. Skalpe IO. **Acta Radiol [Suppl] (Stockh)** 1983;366:72–5

Tomographic DSA using temporal filtration: initial neurovascular application. Anderson RE, et al. **AJNR** 1984 May–Jun;5(3):277–80

Clinical significance of partial volume averaging of the temporal bone. Chakeres DW. **AJNR** 1984 May–Jun; 5(3):297–302

Examination of the extracranial carotid bifurcation by thin–section dynamic CT: direct visualization of intimal atheroma in man (Part 1). Heinz ER, et al. **AJNR** 1984 Jul–Aug;5(4):355–9

Examination of the extracranial carotid bifurcation by thin–section dynamic CT: direct visualization of intimal atheroma in man (Part 2). Heinz ER, et al. **AJNR** 1984 Jul–Aug;5(4):361–6

Selecting the optimal plane for CT examination of the base of the skull. Huckman MS, et al. **AJNR** 1984 May–Jun; 5(3):333–4

Value of computed tomographic myelography in the recognition of cervical herniated disk. Landman JA, et al. **AJNR** 1984 Jul–Aug;5(4):391–4

Digital intravenous cerebral angiography in neonates. Lee BC, et al. **AJNR** 1984 May–Jun;5(3):281–6

Pseudocyst of spinal cord on metrizamide ct [letter] Zatz LM. **AJNR** 1984 Jul–Aug;5(4):489–90

CT of the liver and spleen with EOE–13: review of 225 examinations. Miller DL, et al. **AJR** 1984 Aug; 143(2):235–43

Detection of hepatic metastases: comparison of EOE–13 computed tomography and scintigraphy. Miller DL, et al. **AJR** 1983 Nov;141(5):931–5

Gated cardiac imaging using a continuously rotating CT scanner: clinical evaluation of 91 patients. Oyama Y, et al. **AJR** 1984 May;142(5):865–76

QUAC: a modest proposal for optimal use of CT scanning equipment (a parody). Reid MH, et al. **AJR** 1984 Apr; 142(4):845–6

Evaluation of multiplanar reconstruction in CT recognition of lumbar disk disease. Rosenthal DI, et al. **AJR** 1984 Jul; 143(1):169–76

Digital radiographic localization for CT scanning of the larynx. Silverman PM, et al. **AJR** 1983 Dec;141(6):1329–30

Use of computerized tomography to assess myocardial infarct size and ventricular function in dogs during acute coronary occlusion and reperfusion. Mancini GB, et al. **Am J Cardiol** 1984 Jan 15;53(2):282–9

Progressive multifocal leukoencephalopathy in a renal transplant recipient. Increased diagnostic sensitivity of computed tomographic scanning by double–dose contrast with delayed films. Saxton CR, et al. **Am J Med** 1984 Aug; 77(2):333–7

Reliability of ungated CT scanning of the left heart. Wójtowicz JS, et al. **Ann Radiol (Paris)** 1984 Apr–May; 27(4):380–3

Neuroanatomical digital image processing in CT–guided stereotactic operations. Giorgi C, et al. **Appl Neurophysiol** 1983;46(1–4):236–9

Computed tomography with gas cisternography for detection of small acoustic tumors. A study of five false–positive results. Barrs DM, et al. **Arch Otolaryngol** 1984 Aug; 110(8):535–7

Quantitative evaluation of biliary x–ray contrast agents in computed tomography. Evill CA, et al. **Australas Radiol** 1983 Nov;27(3):258–62

Investigations using an X–ray image intensifier and a TV camera for imaging transverse sections in humans. Arnot RN, et al. **Br J Radiol** 1984 Jan;57(673):47–55

A refinement to a radiation dose reduction modification for an EMI CT 5005 whole body scanner filtration system. Cranley K, et al. **Br J Radiol** 1983 Oct;56(670):770–2

Some practical aspects of dual–energy CT scanning. Dunscombe PB, et al. **Br J Radiol** 1984 Jan;57(673):82–7

Direct sagittal and coronal CT scanning—an economical light beam source for patient positioning [letter] Jones KR. **Br J Radiol** 1983 Dec;56(672):979

A low–dose CT–pelvimetry. Suramo I, et al. **Br J Radiol** 1984 Jan;57(673):35–7

Enhancement of detectability by the use of coloured illumination for CT display. Warren RC, et al. **Br J Radiol** 1984 Apr;57(676):329–31

Evaluation of periventricular hypodensity in adult hydrocephalus with CT cisternography and xenon–enhanced CT. Aoyagi M. **Bull Tokyo Med Dent Univ** 1984 Jun;31(2):99–110

Value of high–resolution computerized tomography in localizing diseased parathyroid glands. Roza AM, et al. **Can J Surg** 1984 Jul;27(4):334–6

Coronary angiographic examination with the dynamic spatial reconstructor. Block M, et al. **Circulation** 1984 Aug; 70(2):209–16

Computed tomography in gastroenterology. Kreel L. **Clin Gastroenterol** 1984 Jan;13(1):235–64 (31 ref.)

High resolution CT of the spine in lumbar disc disease. Gado M, et al. **Clin Neurosurg** 1983;30:654–76

User requirements on CT–based computed dose planning systems in radiation therapy. Presentation of 'check lists'. Dahlin H, et al. **Comput Programs Biomed** 1983 Jun; 16(3):131–7

Direct coronal CT scanning for the body. Mano I, et al. **Comput Radiol** 1983 May–Jun;7(3):167–72

CT of isolated elbow in evaluation of trauma: a modified technique. Patel RB, et al. **Comput Radiol** 1984 Jan–Feb; 8(1):1–4

CT of soft–tissue structures of the neck. Jing BS. **CRC Crit Rev Diagn Imaging** 1984;22(4):271–389

Intravenous contrast bolus in computed tomography investigation of mass lesion. Love L, et al. **Diagn Imag Clin Med** 1984;53(2):57–66

Pituitary abnormalities detected by high resolution computed tomography with thin slices in primary hypothyroidism and Turner syndrome. Nishi Y, et al. **Eur J Pediatr** 1984 Apr;142(1):25–8

Dynamic CT of the chest. Göthlin JH. **Eur J Radiol** 1983 Aug;3 Suppl 1:244–7

Direct coronal CT: an aid to the diagnosis of sellar lesions. Kuuliala I, et al. **Eur J Radiol** 1984 Aug;4(3):173–6

Relative cerebral perfusion by rapid sequence tomography. Traupe H. **Eur J Radiol** 1984 May;4(2):139–43

Revised limits for hepatic computed tomography density (HCTD) for detection of hereditary hemochromatosis [letter] Valberg LS, et al. **Gastroenterology** 1984 Oct; 87(4):985

Radiologic assessment of the distal stomach and duodenum after gastric bypass: percutaneous CT–guided transcatheter technique. Barmeir EP, et al. **Gastrointest Radiol** 1984; 9(3):203–5

A new method for the diagnosis of acute hemorrhagic–necrotizing pancreatitis using contrast–enhanced CT. Kivisaari L, et al. **Gastrointest Radiol** 1984;9(1):27–30

Functional imaging of the liver. New information from dynamic CT. Axel L, et al. **Invest Radiol** 1984 Jan–Feb; 19(1):23–9

Prospectively gated cardiac CT. Preliminary results in normal and postinfarction animal models. Garnic JD, et al. **Invest Radiol** 1983 Sep–Oct;18(5):419–24

Nuclear magnetic resonance and computed tomographic angiography in the detection of hepatic metastases. Kerlan

RK Jr, et al. **J Clin Gastroenterol** 1983 Oct;5(5):461–4
Quantitative analysis of a vascular tree model with the dynamic spatial reconstructor. Block M, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):390–400
Metrizamide–enhanced computed tomography of intracranial arachnoid cysts. Crisi G, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):928–35
Contrast enhancement: diagnostic significance from a statistical viewpoint. Dean PB, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):314–8
'Downhill' esophageal varices demonstrated by dynamic computed tomography. Hirose J, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):1007–9
Utilization of temporary muscle paralysis to eliminate CT motion artifact in the critically ill patient. Hutchins WW, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):181–3
An implementation of dual energy CT scanning. Marshall W, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):745–9
Addition processing of computed tomograms for whole view of cerebral ventricles. Ogawa F, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):366–7
Peripheral contrast enhancement in chronic epidural hematomas. Omar MM, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):332–5
Computed tomography of the knee joint: technique of study and normal anatomy. Passariello R, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):1035–42
Adaptive grey level assignment in CT scan display. Pizer SM, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):300–5
Study of bolus geometry after intravenous contrast medium injection: dynamic and quantitative measurements (Chronogram) using an X–ray CT device. Reiser UJ. **J Comput Assist Tomogr** 1984 Apr;8(2):251–62
Prenatal computed tomography: are there indications? Siegel HA, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):871–6
Subtraction gated computed tomography with the dynamic spatial reconstructor: simultaneous evaluation of left and right heart from single right–sided bolus contrast medium injection. Sinak LJ, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):1–9
CT imaging of the unusually shaped bladder. Thickman D, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):801–3
Computed tomography of the gastroesophageal junction: value of the left lateral decubitus view. Thompson WM, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):346–9
Measurement of lung density by computed tomography. Wegener OH, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):263–73
Computed tomography scanning for the measurement of bone mineral in the human spine. Weissberger MA, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):253–62
Local cerebral blood flow alterations (Xe–CT method) in an accident victim. Yonas H, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):990–1
Gas computed tomographic cisternography: evaluation of small and intracanalicular acoustic neuromas. Oliver TW Jr, et al. **J Comput Tomogr** 1984 Jul;8(3):187–90
High–resolution computed tomography of paragangliomas of the head and neck. Swartz JD, et al. **J Comput Tomogr** 1984 Jul;8(3):197–202
Application of three–dimensional computer reconstruction from computerized tomography to intracranial tumors in children. Lansky LL, et al. **J Neurooncol** 1983;1(4):347–56
Evaluation of tarsal coalition by computed tomography. Stoskopf CA, et al. **J Pediatr Orthop** 1984 May;4(3):365–9
Noninvasive evaluation of aortocoronary bypass graft patency by contrast–enhanced computed tomography: incrementation mode and dynamic mode. Kawasuji M, et al. **Jpn Circ J** 1984 Jul;48(7):611–9
Transparent box enables three dimensional viewing of CT imaging of the liver. Kanematsu T, et al. **Jpn J Surg** 1984 Jan;14(1):94–6
Diagnostic procedures in the evaluation of hepatic diseases. Computed tomography. Lecky DM, et al. **Lab Res Methods Biol Med** 1983;7:317–54 (63 ref.)
Role of air contrast computed tomography in diagnosis of small acoustic neuromas. Lipkin AF, et al. **Laryngoscope** 1984 Jul;94(7):890–5
Evaluation of the spatial resolution of a CT scanner by direct analysis of the edge response function. Bentzen SM. **Med Phys** 1983 Sep–Oct;10(5):579–81
Prospectively gated cardiac computed tomography. Moore SC, et al. **Med Phys** 1983 Nov–Dec;10(6):846–55
Computed tomography from ordinary radiographs for teleradiology. Rangayyan RM, et al. **Med Phys** 1983 Sep–Oct;10(5):687–90
A method to measure the MTF of digital x–ray systems. Sones RA, et al. **Med Phys** 1984 Mar–Apr;11(2):166–71
Late contrast enhancement in the CT diagnosis of herniated lumbar disk. De Santis M, et al. **Neuroradiology** 1984; 26(4):303–7
Dynamic computed tomographic scans in experimental brain abscess. Enzmann DR, et al. **Neuroradiology** 1984; 26(4):309–13
Contralateral pterional approach for carotid–ophthalmic aneurysm: usefulness of high resolution metrizamide or blood computed tomographic cisternography. Yamada K, et al. **Neurosurgery** 1984 Jul;15(1):5–8
Computerized tomosynthesis of dental tissues. Groenhuis RA, et al. **Oral Surg** 1983 Aug;56(2):206–14
Image processing. Where computers have had greatest medical impact. Batson E. **Postgrad Med** 1984 Aug; 76(2):73–6
Sharpening radiographs. Smith KT, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5237–41
Reconstruction techniques in high resolution computed tomography. Readman LP. **Radiography** 1984 May–Jun; 50(591):115–20
Self–masking subtraction tomosynthesis. Chakraborty DP, et al. **Radiology** 1984 Jan;150(1):225–9
Validation of a CT method for flow determination. Work in progress. Guthaner DF, et al. **Radiology** 1984 May; 151(2):429–32
Re: Three–dimensional display of computed tomographic scans [letter] Herman GT. **Radiology** 1984 Jun;151(3):805–6
Air cisternography of the cerebellopontine angle using high–resolution computed tomography. Johnson DW. **Radiology** 1984 May;151(2):401–3
Angio–computed tomography and dynamic computed tomography in staging of renal cell carcinoma. Lang EK. **Radiology** 1984 Apr;151(1):149–55
The use of a flow rate injector for contrast–enhanced computed tomography. McCarthy S, et al. **Radiology** 1984 Jun;151(3):800
Internal derangements of the temporomandibular joint: diagnosis by direct sagittal computed tomography. Manzione JV, et al. **Radiology** 1984 Jan;150(1):111–5
Laryngeal carcinoma: high–resolution computed tomography and thick anatomic sections. Reid MH. **Radiology** 1984 Jun; 151(3):689–96
Computed tomography of the spine: curved coronal reformations from serial images. Rothman SL, et al. **Radiology** 1984 Jan;150(1):185–90
Cervical disk herniation: CT demonstration after contrast enhancement. Russell EJ, et al. **Radiology** 1984 Sep; 152(3):703–12
Liposomes loaded with contrast material for image enhancement in computed tomography. Work in progress. Ryan PJ, et al. **Radiology** 1984 Sep;152(3):759–62
The temporomandibular joint: true sagittal computed tomography with meniscus visualization. Sartoris DJ, et al. **Radiology** 1984 Jan;150(1):250–4
Gas–CT cisternography for detection of small acoustic nerve tumors. Solti–Bohman LG, et al. **Radiology** 1984 Feb; 150(2):403–7
The prone position for CT of the lumbar spine. Tehranzadeh J, et al. **Radiology** 1984 Sep;152(3):817–8
Temporomandibular joints: high–resolution computed tomographic evaluation. Thompson JR, et al. **Radiology** 1984 Jan;150(1):105–10
Complex musculoskeletal anatomy: analysis using three dimensional surface reconstruction. Totty WG, et al. **Radiology** 1984 Jan;150(1):173–7
Three dimensional CT reconstruction images for craniofacial surgical planning and evaluation. Vannier MW, et al. **Radiology** 1984 Jan;150(1):179–84
The value of the direct semi–longitudinal CT–plane in the preoperative evaluation of petrous bone pathology. Damsma H, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(5):395–8
Early detection of acute fulminant pancreatitis by contrast–enhanced computed tomography. Kivisaari L, et al. **Scand J Gastroenterol** 1983 Jan;18(1):39–41
Local cerebral blood flow by Xenon enhanced CT [letter] Rottenberg DA, et al. **Stroke** 1983 Nov–Dec;14(6):1008–9
Clinical experience with the use of xenon–enhanced CT blood flow mapping in cerebral vascular disease. Yonas H, et al. **Stroke** 1984 May–Jun;15(3):443–50
[Application of digital color density slicing technic in CT scan of the head] Cai ZT. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):538–9 (Eng. Abstr.) **(Chi)**
[Principles and use of the Somatom 2 computer tomography] Horčik J. **Cesk Radiol** 1983 Aug;37(5):258–64 (Eng. Abstr.) **(Cze)**
[Intravenous injection of iopamidol: computed x–ray tomographic use in the study of the brain] Caillé JM, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):801–6 (Eng. Abstr.) **(Fre)**
[Computerized tomography in sciatica. Results in 128 patients] Drouillard J, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):343–51 **(Fre)**
[Value of iopamidol in brain computed x–ray tomography. Experimental study] Picard L, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):807–8 (Eng. Abstr.) **(Fre)**
[Use of a new iodized contrast medium: iopamidol, for the performance of rapid injections in whole–body computed x–ray tomography (dynamic–scan)] Rieux D, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):809–11 (Eng. Abstr.) **(Fre)**
[Computed x–ray tomographic evaluation of cervico–brachial neuralgia with intravenous injection of contrast media] Morvan G, et al. **J Radiol** 1984 Mar; 65(3):159–64 (Eng. Abstr.) **(Fre)**
[Comparison between experimentally and theoretically determined CT values] Christ G, et al. **Computertomographie** 1983 Sep;3(3):112–8 (Eng. Abstr.) **(Ger)**
[Determination of integral dose in cranial CT by measurement of radiation exposure of the brain] Ewen K, et al. **Computertomographie** 1983 Sep;3(3):106–7 (Eng. Abstr.) **(Ger)**
[Radiation exposure in whole body and cranial CT studies in relation to parameters of the examination technic] Fiebach BJ, et al. **Computertomographie** 1983 Sep; 3(3):108–11 (Eng. Abstr.) **(Ger)**
[Results of serial CT in the evaluation of the sellar region] Fink U, et al. **Computertomographie** 1983 Dec;3(4):168–73 (Eng. Abstr.) **(Ger)**
[2–dimensional echoencephalography or cranial CT in premature or newborn infants with suspected intracranial hemorrhages] Gebauer A, et al. **Computertomographie** 1983 Jun;3(2):51–6 (Eng. Abstr.) **(Ger)**
[Free programmable image functions (windows) for computer tomography] Gell G, et al. **Computertomographie** 1983 Mar;3(1):11–3 (Eng. Abstr.) **(Ger)**
[Initial clinical experiences with the fast digital picture of roentgen transmission profiles in the human (the chronogram)] Hübener KH, et al. **Computertomographie** 1982 Jun;2(2):83–91 (Eng. Abstr.) **(Ger)**
[Computer tomographic differentiation of lymph nodes in the retroperitoneum and lower mediastinum, with special reference to normal anatomic structures] König R, et al. **Computertomographie** 1982 Dec;2(4):184–9 (Eng. Abstr.) **(Ger)**
[Computer tomographic densitometry of the normal vertebral body spon. iosa] Robotti GC, et al. **Computertomographie** 1983 Sep;3(3):124–7 (Eng. Abstr.) **(Ger)**
[Technical reference: the oblique topogram as an adjustment aid] Schild H, et al. **Computertomographie** 1983 Mar; 3(1):14–5 (Eng. Abstr.) **(Ger)**
[Value of densitometry in the computer tomographic differentiation of paracranial space–occupying lesions. Experimental phantom studies and clinical evaluation] Schmitt WG, et al. **Computertomographie** 1983 Mar; 3(1):16–21 (Eng. Abstr.) **(Ger)**
[Measurements in triggered CT imaging of moving objects] Schultz E, et al. **Computertomographie** 1982 Jun;2(2):76–82 (Eng. Abstr.) **(Ger)**
[New image–producing methods in radiology] Hübener KH, et al. **Med Welt** 1984 Feb 17;35(7):230–2 **(Ger)**
[Anatomical technic for interpreting CT images in various planes] Putz R. **Morphol Med** 1983 Oct;3(3):151–6 (Eng. Abstr.) **(Ger)**
[Quantitative CT evaluation using the histogram and its limits] Rockstroh G. **Radiol Diagn (Berl)** 1983;24(5):665–74 (Eng. Abstr.) **(Ger)**
[Value of density determination in computerized x–ray tomography] Rosenkranz G, et al. **Radiol Diagn (Berl)** 1984; 25(1):21–9 (Eng. Abstr.) **(Ger)**
[Computer tomography diagnosis following vascular reconstructions in the abdominal area] Rotte KH, et al. **Radiol Diagn (Berl)** 1984;25(1):47–52 (Eng. Abstr.) **(Ger)**
[Indications and methodological aspects of cardio–computerized x–ray tomography] Schulz HG, et al. **Radiol Diagn (Berl)** 1984;25(1):7–20 (Eng. Abstr.) **(Ger)**
[Use of computerized x–ray tomography in the quantitative determination of mineral content] Tellkamp H, et al. **Radiol Diagn (Berl)** 1984;25(1):41–6 (Eng. Abstr.) **(Ger)**
[Should contrast media be used in CT studies of cerebral infarct?] Hammer B. **Radiologe** 1984 May;24(5):235–9 (52 ref.) (Eng. Abstr.) **(Ger)**
[Value of digital projection radiography with a CT apparatus for thoracic diagnosis] Bautz W, et al. **ROFO** 1984 May; 140(5):579–84 (Eng. Abstr.) **(Ger)**
[Diagnosis of pancreatic carcinoma using dynamic computed tomography (serial CT)] Claussen C, et al. **ROFO** 1983 Oct;139(4):389–93 (Eng. Abstr.) **(Ger)**
[Somatic radiation risk during heart examinations using digital angiography and ECG–triggered computed tomography] Ewen K, et al. **ROFO** 1983 Oct;139(4):440–3 (Eng. Abstr.) **(Ger)**
[Imaging of blood flow–dependent curve parameters in the course of sequential computed tomography of the kidneys following intravenous injection of a contrast bolus] Jaschke W, et al. **ROFO** 1984 Jul;141(1):1–7 (Eng. Abstr.) **(Ger)**
[EDP–adapted grid model of the brain for topographic analysis of lesions on the cranial computer tomogram] Schmachtenberg A, et al. **ROFO** 1983 Nov;139(5):499–502 (Eng. Abstr.) **(Ger)**
[Localization of cerebrospinal fluid fistulas with CT cisternography] Steinbrich W, et al. **ROFO** 1984 Jul; 141(1):18–23 (Eng. Abstr.) **(Ger)**
[Computed tomographic diagnosis of renal tumors without using contrast media] Zieger M, et al. **ROFO** 1984 Mar; 140(3):290–4 (Eng. Abstr.) **(Ger)**
[Comparative CT study of the anterior cruciate ligament in direct projection and using sagittal reconstruction] Meydam K, et al. **Rontgenblatter** 1983 Aug;36(8):244–7 (Eng. Abstr.) **(Ger)**
[Ultrasound computer tomography—new image–producing possibilities] Mulz D, et al. **Ultraschall Med** 1984 Feb; 5(1):11–3 (Eng. Abstr.) **(Ger)**
[Dynamic computer tomography – initial experiences based on 100 examinations] Klöppel R. **Z Gesamte Inn Med** 1983 Oct 1;38(19):514–7 (Eng. Abstr.) **(Ger)**
[A combined method of sialography and CT scan of the parotid gland] Biscuola G, et al. **Radiol Med (Torino)** 1983 May;69(5):304–9 (Eng. Abstr.) **(Ita)**
[Basic study and clinical evaluation of interpolated sagittal and coronal reconstruction of CT images in the screening of neck abnormalities] Koga I. **Fukuoka Igaku Zasshi** 1983 Nov;74(11):762–80 (Eng. Abstr.) **(Jpn)**

[NMR-CT] Tanaka K. **Hokkaido Igaku Zasshi** 1983 May; 58(3):210-4 **(Jpn)**

[3-dimensional display of CT images of the human brain] Yorozu J, et al. **Iyodenshi To Seitai Kogaku** 1983 Oct; 21(6):439-44 (Eng. Abstr.) **(Jpn)**

[Multiserial ECG-gated computed tomographic method: Evaluation of left ventricular volumes, wall thickness and wall motion] Ohnishi S, et al. **J Cardiogr** 1983 Jun; 13(2):257-64 (Eng. Abstr.) **(Jpn)**

[Evaluation of cardiac function by computed tomography] Naito H. **Kokyu To Junkan** 1984 Mar;32(3):249-59 **(Jpn)**

[Measurement of human spinal cord blood flow using xenon and computerized tomography] Ikota T, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):613-7 (Eng. Abstr.) **(Jpn)**

[Non-gated computed tomography of left ventricular hyperthrophy--comparison with vectocardiograms] Harada J. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25;43(8):1015-23 **(Jpn)**

[Staging of urinary blaccer cancer--evaluation by CT (olive oil injection method)] Hori S. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25; 43(8):1024-35 **(Jpn)**

[Assessment of aorto-coronary bypass graft patency and graft flow by contrast enhanced computed tomography] Hayase S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar; 32(3):307-14 (Eng. Abstr.) **(Jpn)**

[Projection radiography system] Abe H, et al. **Nippon Rinsho** 1983 Jul;41(7):1404-14 **(Jpn)**

[Fundamental and clinical studies on CT gas myelography of the cervical spine] Ichimaru K. **Nippon Seikeigeka Gakkai Zasshi** 1984 Feb;58(2):189-203 (Eng. Abstr.) **(Jpn)**

[NMR imaging in neurosurgery] Asato R, et al. **No Shinkei Geka** 1983 Aug;11(8):787-801 (71 ref.) **(Jpn)**

[CT guided stereotactic surgery--application to evacuation of intracerebral hematoma] Iseki H. **No Shinkei Geka** 1984 May;12(6):663-71 **(Jpn)**

[Determination of lung cancer stages by CT--evaluation of the mediastinal involvement and usefulness of bolus CT] Matsumoto M, et al. **Rinsho Hoshasen** 1983 Sep;28(9):951-9 (Eng. Abstr.) **(Jpn)**

[Thin section CT appearance of the normal pituitary gland] Nemoto Y, et al. **Rinsho Hoshasen** 1984 Feb;29(2):263-6 (Eng. Abstr.) **(Jpn)**

[Thin section computed tomography(2mm) of the orbit--evaluation of a normal orbital structure] Sawa H, et al. **Rinsho Hoshasen** 1983 Sep;28(9):945-50 (Eng. Abstr.) **(Jpn)**

[CT imaging of portal vein thrombosis by tumors--the value of dynamic CT] Takemoto K, et al. **Rinsho Hoshasen** 1983 Aug;28(8):839-43 (Eng. Abstr.) **(Jpn)**

[Computer analysis of the roentgenological picture of the chest] Górecka D, et al. **Pneumonol Pol** 1984 Apr; 52(4):161-3 **(Pol)**

[Optimal method of pediatric computerized tomography] Wermeński K. **Pol Przegl Radiol (Warszawa)** 1983 Mar-Apr;47(2):157-9 (Eng. Abstr.) **(Pol)**

[Computed tomography in the diagnosis of lesions of the adrenal glands, associated with arterial hypertension] Mamytbekova DZ. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1983;6(2):113-7 (53 ref.) **(Rus)**

[Computer tomography in determining lung density for irradiation planning] Merkle K, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):31-4 (Eng. Abstr.) **(Rus)**

[Dispersion analysis of densitometric data from computerized tomography for the differential diagnosis of benign and malignant tumors] Ternovoĭ SK. **Med Radiol (Mosk)** 1983 Nov;28(11):63-7 **(Rus)**

[Computerized tomography in the diagnosis of space-occupying processes of the orbit] Konovalov AN, et al. **Vestn Oftalmol** 1983 Nov-Dec;(6):26-30 (Eng. Abstr.) **(Rus)**

STANDARDS

Image quality in cranial computed tomography. Zatz LM. **J Comput Assist Tomogr** 1978 Jul;2(3):336-46

Noise and contrast detection in computed tomography images. Faulkner K, et al. **Phys Med Biol** 1984 Apr; 29(4):329-39

National survey of computed tomography unit capacity: an update. Special report. Terhorst LL. **Radiology** 1984 Oct; 153(1):207-10

[Performance evaluation of the 3rd and 4th generation computed tomography scanners using a standardized phantom] Takai M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun; 43(6):794-804 (Eng. Abstr.) **(Jpn)**

TRENDS

Robotic intervention: why not? [editorial] Hawkins IF Jr. **AJR** 1984 Jun;142(6):1292-3

[Scanography: yesterday and today] Ethier R, et al. **Union Med Can** 1983 Oct;112(10):903-7 (Eng. Abstr.) **(Fre)**

UTILIZATION

The impact of certificate of need on CT scanning in Massachusetts. Lawthers-Higgins A, et al. **Health Care Manage Rev** 1984 Summer;9(3):71-9

Regional sharing of CT scanners: experience in a community hospital. Stern BJ, et al. **Md State Med J** 1984 May; 33(5):387-92

Computed tomography--a controversy revisited. Evens RG. **N Engl J Med** 1984 May 3;310(18):1183-5

[Total imageology: progress and prospects] Kaneko M. **Nippon Rinsho** 1983 Jul;41(7):1673-80 **(Jpn)**

[Results of studies on the use of computerized tomography] **Pol Przegl Radiol (Warszawa)** 1983 Jan-Feb;47(1):89-93 **(Pol)**

[Optimal utilization of computerized tomography] Daniel B, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jan-Feb; 47(1):95-102 **(Pol)**

VETERINARY

[Bone densitometry: using the axial Isotom tomograph on healthy and diseased navicular bone in horses in vitro] Diehl M, et al. **Berl Munch Tierarztl Wochenschr** 1983 Sep 1;96(9):305-7 (Eng. Abstr.) **(Ger)**

TONGUE

see related

GLOSSECTOMY

Prosthetic treatment for speech and swallowing in patients with total glossectomy. Gillis RE, et al. **J Prosthet Dent** 1983 Dec;50(6):808-14

Effects of a prosthetic tongue on vowel formants and isovowel lines in a patient with total glossectomy (an addendum to Leonard and Gillis, 1982). Leonard RJ, et al. **J Speech Hear Disord** 1983 Nov;48(4):423-6

ABNORMALITIES

A family with hereditary ankyloglossia complicated by heterochromia irides and a congenital clasped thumb. Sato T, et al. **Int J Oral Surg** 1983 Oct;12(5):359-62

Down's syndrome and tongue size [letter] Rozner L. **Med J Aust** 1984 Aug 4;141(3):196-7

[Sonography and lingual thyroid] Becker W, et al. **ROFO** 1984 Apr;140(4):476-7 **(Ger)**

[Intralingual ectopic goiter] Stan L, et al. **Rev Chir [Otorinolaringol]** 1984 Apr-Jun;29(2):157-9 (Eng. Abstr.) **(Rum)**

ANATOMY & HISTOLOGY

Soft tissue anatomy of the tongue and floor of the mouth: an ultrasound demonstration. Shawker TH, et al. **Brain Lang** 1984 Mar;21(2):335-50

Topographical difference in taste organ density and its sensitivity of frog tongue. Sato T, et al. **Comp Biochem Physiol [A]** 1983;76(2):233-9

The effects of lymphadenoid hypertrophy on the position of the tongue, the mandible and the hyoid bone. Adamidis IP, et al. **Eur J Orthod** 1983 Nov;5(4):287-94

An effect of low temperatures on the morphological picture of the rabbit tongue mucosa. Part I. Szyszkowska AM, et al. **Gegenbaurs Morphol Jahrb** 1983;129(6):707-17

A quantitative histological analysis of the effects of age and sex on human lingual epithelium. Scott J, et al. **J Biol Buccale** 1983 Dec;11(4):303-15

An investigation into the effect of tongue-space encroachment on the rest position of the mandible. Clifford T, et al. **J Dent** 1984 Mar;12(1):71-9

Sensory cortical tongue representation in man. Picard C, et al. **J Neurosurg** 1983 Nov;59(5):781-9

Comparative anatomical observations on the tongue of the Insectivora. Kobayashi S, et al. **Okajimas Folia Anat Jpn** 1983 Oct;60(4):211-7

Changes of the hyoid bone and tongue following advancement of the mandible. LaBanc JP, et al. **Oral Surg** 1984 Apr;57(4):351-6

Characterization of tongue shape. Morrish KA, et al. **Ultrasonic Imaging** 1984 Jan;6(1):37-47

BLOOD SUPPLY

Infarcted tongue. Strome M, et al. **J R Soc Med** 1984 Mar; 77(3):244-5

Control of tongue blood flow in regulation of heat loss in mammals. Pleschka K. **Rev Physiol Biochem Pharmacol** 1984;100:75-120 (179 ref.)

[Capillary networks and osmotic uptake in fungiform papillae] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1903-9 (Eng. Abstr.) **(Ita)**

CYTOLOGY

Oral epithelial cell kinetics: evaluation of an in vitro method of study. Rennie JS, et al. **Med Lab Sci** 1984 Apr; 41(2):121-6

[Subsequent data on the cellular characterization of the epithelium of the gustatory plate of the fungiform papillae of the tongue in the frog] Sapelli PL, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):99-119 (Eng. Abstr.) **(Fre)**

[Cell population relations in the mechanism of the circadian rhythm of proliferative activity in the tongue epithelium of mice exposed to continuous light] Rybakov VP. **Biull Eksp Biol Med** 1984 Mar;97(3):340-2 (Eng. Abstr.) **(Rus)**

[Diurnal rhythm of the sensitivity of proliferating epithelial cells of the tongue and esophagus to adrenaline] Rybakov VP. **Biull Eksp Biol Med** 1983 Nov;96(11):97-9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Response characteristics of rat taste cells to potassium benzoate. Sato T, et al. **Comp Biochem Physiol [A]** 1983; 76(4):777-81

[Effect of metavanadate on papillary water uptake] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1910-6 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

A simple method for purification of chymase from rat tongue and rat peritoneal cells. Kido H, et al. **Anal Biochem** 1984 Mar;137(2):449-53

Hydrolase histochemistry of the marmoset digestive tract. Blanke J, et al. **Histochem J** 1984 Apr;16(4):370-2

Purification and characterization of rat lingual lipase. Field RB, et al. **J Biol Chem** 1983 Dec 10;258(23):14563-9

Lingual lipase and fat digestion in the neonatal period. Hamosh M. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S236-41

Fat digestion in the stomach: stability of lingual lipase in the gastric environment. Fink CS, et al. **Pediatr Res** 1984 Mar;18(3):248-54

Fat digestion by lingual lipase: mechanism of lipolysis in the stomach and upper small intestine. Liao TH, et al. **Pediatr Res** 1984 May;18(5):402-9

[Activity of enzymes of carbohydrate and energy metabolism in the muscles of denervated tongue] Terman AK. **Patol Fiziol Eksp Ter** 1983 Sep-Oct;(5):64-6 (Eng. Abstr.) **(Rus)**

INJURIES

Prevention of self-inflicted trauma in comatose patients. Peters TE, et al. **Oral Surg** 1984 Apr;57(4):367-70

[Self mutilation of the tongue in a child: trial therapy apropos of a case] Monteil J, et al. **Actual Odontostomatol (Paris)** 1984 Mar;145:31-6 (Eng. Abstr.) **(Fre)**

[Tongue injuries] Iamashev IG, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):62-3 (Eng. Abstr.) **(Rus)**

INNERVATION

Number and distribution of ganglion cells in the vallate papilla of adult human. Ferrell F, et al. **Acta Anat (Basel)** 1983;117(3):261-5

The relationship between electrode area and sensory qualities in electrical human tongue stimulation. Ajduković D. **Acta Otolaryngol (Stockh)** 1984 Jul-Aug;98(1-2):152-7

Developmental changes in taste responses from glossopharyngeal nerve in sheep and comparisons with chorda tympani responses. Mistretta CM, et al. **Brain Res** 1983 Dec;313(1):107-17

Corticobulbar projections and orofacial and muscle afferent inputs of neurons in primate sensorimotor cerebral cortex. Sirisko MA, et al. **Exp Neurol** 1983 Dec;82(3):716-20

Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Ratus norvegicus B, 1769, Mesocricetus aureatus W. 1839). Part III. Mandibular and sublingual ganglia. Kuder T. **Folia Morphol (Warsz)** 1984;43(1):19-34

Quantitative study of taste buds in fungiform and circumvallate papillae of young and aged rats. Mistretta CM, et al. **J Anat** 1984 Mar;138 (Pt 2):323-32

Anatomy of the gustatory system in the hamster: central projections of the chorda tympani and the lingual nerve. Whitehead MC, et al. **J Comp Neurol** 1983 Nov 10; 220(4):378-95

Tongue evolution in lungless salamanders, family plethodontidae. III. Patterns of peripheral innervation. Wake DB, et al. **J Morphol** 1983 Dec;178(3):207-24

Neck tongue syndrome: operative management. Elisevich K, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr;47(4):407-9

Spinal neck-tongue syndrome [letter] Noda S, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul;47(7):751

Lateral hypothalamic modulation of oral sensory afferent activity in nucleus tractus solitarius neurons of rats. Matsuo R, et al. **J Neurosci** 1984 May;4(5):1201-7

Activity of lingual, laryngeal and oesophageal receptors in conscious sheep. Falempin M, et al. **J Physiol (Lond)** 1984 Feb;347:47-58

Effect of lingual vibrotactile stimulation on the averaged cortical evoked response. Blackmon RC, et al. **Percept Mot Skills** 1983 Oct;57(2):383-9

Lingual vibrotactile sensation magnitudes: comparison of suprathreshold responses for three different age ranges. Fucci D, et al. **Percept Mot Skills** 1983 Aug;57(1):31-8

Influence of scaling range on vibrotactile power function exponents for the tongue and hand. Fucci D, et al. **Percept Mot Skills** 1983 Oct;57(2):642

Stability of magnitude-production scales for lingual vibrotactile sensation. Fucci D, et al. **Percept Mot Skills** 1983 Oct;57(2):499-504

[Muscle spindles in the external muscles of the human tongue] Rozhold O. **Acta Univ Palacki Olomuc Fac Med** 1980; 94:447-60 **(Ger)**

[Proprioception in the tongue of the monkey—Macaca rhesus] Rozhold O, et al.
Acta Univ Palacki Olomuc Fac Med 1983;105:127–32 **(Ger)**

[Structure of the neuromuscular spindles in the tongue of human fetuses] Malboroda IuN, et al.
Arkh Anat Gistol Embriol 1983 Oct;85(10):39–45 (Eng. Abstr.) **(Rus)**

[Electrical response of frog lingual epithelium to stimulation of the gustatory nerve] Byzov AL, et al.
Neirofiziologiia 1983;15(4):384–90 (Eng. Abstr.) **(Rus)**

METABOLISM

Uptake and transport of exogenous macromolecules from the tongue to the facial nerve complex in the rat. Thomander L, et al. **Am J Otol** 1983 Oct;5(2):120–4

The active ion transport properties of canine lingual epithelia in vitro. Implications for gustatory transduction. Desimone JA, et al. **J Gen Physiol** 1984 May;83(5):633–56

Effect of ACTH 1–17 at different circadian stages on [3H]TdR incorporation into DNA. Scheving LE, et al.
Peptides (Fayetteville) 1984 May–Jun;5(3):507–18

[Lipofuscin in human tongues] Birman EG, et al.
Rev Port Estomatol Cir Maxilofac 1983 Jan–Mar; 24(1):45–59 **(Por)**

MICROBIOLOGY

Light- and electron-microscopic study of the microbial deposits present on the tongue and dentition of macropods. Beighton D, et al. **Arch Oral Biol** 1983;28(5):459–64

[Phage pattern of Staphylococcus aureus strains isolated from the mouth and the nose of healthy people] Zelante F, et al. **Rev Saude Publica** 1983 Apr;17(2):123–9 (Eng. Abstr.) **(Por)**

PATHOLOGY

Lingual infarction and sudden blindness due to giant cell arteritis. Storm TL, et al. **Acta Med Scand** 1983;214(1):85–6

Alveolar soft part sarcoma of the tongue. King VV, et al.
Am J Otolaryngol 1983 Sep–Oct;4(5):363–6

Squamous cell carcinoma of the tongue: a comparison of the anterior two thirds of the tongue with its base. Iidstad ST, et al. **Am J Surg** 1983 Oct;146(4):456–61

Cell kinetics of hamster ventral tongue epithelium in iron deficiency. Rennie JS, et al. **Arch Oral Biol** 1984; 29(3):195–9

A general survey of studies on tongue examination since the founding of the People's Republic of China. Chen ZL, et al. **J Tradit Chin Med** 1983 Dec;3(4):314–22

The relationship between the count of fungiform papillae of tongue and differentiation of syndromes. A clinical analysis of 114 cases. Liu DR, et al.
J Tradit Chin Med 1984 Mar;4(1):51–4

An unusual complication after excision of a recurrent mucocele of the anterior lingual gland. Ellis E 3d, et al.
Oral Surg 1983 Nov;56(5):467–71

Focal epithelial hyperplasia. Report of nine cases from Sweden and review of the literature. Pilgård G.
Oral Surg 1984 May;57(5):540–3

A histomorphometric study of the effect of chronic vitamin A deficiency on the circumvallate papilla of the rat. Chole RA, et al. **Otolaryngol Head Neck Surg** 1983 Oct; 91(5):470–81

[Analysis of tongue features in 60 cases of acute myocardial infarction] Chen KJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):212–3 (Eng. Abstr.) **(Chi)**

[A preliminary study on the relationship between purple tongue and hyperaggregability of the platelet] Chen SH.
Chung Hsi I Chieh Ho Tsa Chih 1984 Feb;4(2):101–3 (Eng. Abstr.) **(Chi)**

[Research on the 'four methods of diagnosis' in traditional Chinese medicine and western medicine] Chen ZL.
Chung Hsi I Chieh Ho Tsa Chih 1984 Apr;4(4):253–5 **(Chi)**

[Correlation between color of the tongue, hemodynamics and hormones of adrenal cortex and medulla in hypertensive patients] Li ZS. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr; 4(4):214–5 (Eng. Abstr.) **(Chi)**

[Analysis of constitutional changes of the tongue in 213 cases of carcinoma] Xu F. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jan;4(1):28–9 (Eng. Abstr.) **(Chi)**

[Giant cell arteritis as a cause of tongue necrosis] Symanzik J. **HNO** 1984 Mar;32(3):115–8 (Eng. Abstr.) **(Ger)**

[Pathogenetic, histopathologic and clinical aspects of amyloidosis: apropos of 2 cases in sites of otorhinolaryngologic importance] Vitiello R, et al.
Acta Otorhinolaryngol Ital 1984 Mar–Apr;4(2):207–12 (Eng. Abstr.) **(Ita)**

[Histological observations on cryosurgery in tongue cancer—with special reference to the mechanism of its action and the depth of effective freezing] Tokashiki T.
Nippon Jibiinkoka Gakkai Kaiho 1983 Jun 20;86(6):671–80 (Eng. Abstr.) **(Jpn)**

[A case report of untreated lepromatous leprosy with advanced lepromatous changes of the upper respiratory tract] Izumi S, et al. **Nippon Rai Gakkai Zasshi** 1983 Apr–Jun;52(2):82–6 (Eng. Abstr.) **(Jpn)**

[Effect of chronic stress on cell division in corneal and tongue epithelia] Mel'nik EI, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):93–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Tongue movements in normal preschool children during eating. Schwartz JL, et al. **Am J Occup Ther** 1984 Feb; 38(2):87–93

Selective reduction of genioglossal muscle activity by alcohol in normal human subjects. Krol RC, et al.
Am Rev Respir Dis 1984 Feb;129(2):247–50

Functional and morphological aspects of non sensorial activity of the fungoform papillae in the frog tongue. Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:53–8

Regeneration of taste buds after surgical excision of human vallate papilla. Ferrell F, et al. **Exp Neurol** 1984 Feb; 83(2):429–35

A kinematic study of lingual coarticulation in VCV sequences. Parush A, et al. **J Acoust Soc Am** 1983 Oct; 74(4):1115–25

Evaluation of a new defibrillation pathway—the tongue–epigastric route. I. Experimental studies in dogs. Kerber RE, et al. **J Am Coll Cardiol** 1983 Nov;2(5):966–72

An association between tongue-rolling phenotypes and subjects of study of undergraduates. A further comment. Bell LM, et al. **J Biosoc Sci** 1983 Oct;15(4):519–21

Tongue motion in elderly adults: initial in situ observations. Sonies BC, et al. **J Gerontol** 1984 May;39(3):279–83

Movements of the mandibles and tongue during mastication and swallowing in Pteropus giganteus (megachiroptera): a cineradiographical study. Greet DG, et al. **J Morphol** 1984 Jan;179(1):95–114

Tongue movement during speech: a real-time ultrasound evaluation. Shawker TH, et al. **JCU** 1984 Mar–Apr; 12(3):125–33

Real-time ultrasound visualization of tongue movement during swallowing. Shawker TH, et al. **JCU** 1983 Nov–Dec;11(9):485–90

Sensation magnitude scales for vibrotactile stimulation of the tongue and thenar eminence. Fucci D, et al.
Percept Mot Skills 1984 Jun;58(3):843–8

Stability of magnitude production scales for oral and nonoral vibrotactile mechanoreceptive systems. Fucci D, et al.
Percept Mot Skills 1984 Jun;58(3):691–7

Lingual vibrotactile perception: lingual pressure effects on neuro-sensory response. Kingsbury GD, et al.
Percept Mot Skills 1984 Apr;58(2):411–5

[A study on the relationship between cyanotic tongue and prostaglandins] Chen SC.
Chung Hsi I Chieh Ho Tsa Chih 1984 Apr;4(4):216–7 (Eng. Abstr.) **(Chi)**

[Analysis of changes in mitotic activity and epidermal G2 chalone content in esophageal and tongue epithelia during the course of the day] Torshina IG, et al.
Biull Eksp Biol Med 1983 Oct;96(10):99–102 (Eng. Abstr.) **(Rus)**

[Predatory behavior of the rat after deafferentation of the tongue] Rylov AL, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):369–71 **(Rus)**

PHYSIOPATHOLOGY

Lingual epilepsy: a case report of an unusual expression of focal cerebral discharge [letter] Holtzman RN, et al.
J Neurol Neurosurg Psychiatry 1984 Mar;47(3):317–9

[Positional modifications of the tongue and hyoid bone after prognathism intervention with and without glossectomy] Bertelè GP, et al. **Minerva Stomatol** 1983 Sep–Oct; 32(5):683–8 (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Argon laser and soft tissue interaction. Gillis TM, et al.
Otolaryngol Head Neck Surg 1984 Feb;92(1):7–12

[Radiation ulcers after Cf-252 treatment of patients with cancer of the tongue] Galantseva GF, et al.
Med Radiol (Mosk) 1984 Jan;29(1):57–62 (Eng. Abstr.) **(Rus)**

SURGERY

Reconstruction of the tongue. Mikaelian DO.
Laryngoscope 1984 Jan;94(1):34–7

Down's syndrome and tongue size [letter] Dodd B, et al.
Med J Aust 1984 Jun 9;140(12):748

TRANSPLANTATION

Tongue flap repair of cleft palate fistulae. Pigott RW, et al.
Br J Plast Surg 1984 Jul;37(3):285–93

ULTRASTRUCTURE

Correlated TEM, SEM, and histological observations of filiform papillae of the cow tongue. Steflik DE, et al.
Acta Anat (Basel) 1983;117(1):21–30

Ultrastructure of oral mucous membrane lesions in psoriasis. Kanerva L, et al. **Acta Derm Venereol (Stockh)** 1984; 64(3):191–6

Electron microscopy of composite and intranuclear keratohyalin granules in geographic tongue of psoriasis. Kanerva L, et al. **J Cutan Pathol** 1984 Apr;11(2):149–53

A study on the tongue coating by electron microscope. I. The thin whitish coating and pinkish tongue tissue proper of healthy subjects. Chen ZL, et al. **J Tradit Chin Med** 1983 Dec;3(4):305–13

Scanning electron microscopy contribution in oral pathology. Dourov N. **Scan Electron Microsc** 1984;(Pt 1):243–8

[Paracoronal cavity system and papillary water uptake] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1917–21 (Eng. Abstr.) **(Ita)**

[Fine structure of the lingual dorsal surface of rats] Iwasaki S, et al. **Kaibogaku Zasshi** 1984 Feb;59(1):18–27 (Eng. Abstr.) **(Jpn)**

TONGUE DISEASES

CHEMICALLY INDUCED

Pigmented lesions of the tongue in heroin addicts—fixed drug eruption. Westerhof W, et al. **Br J Dermatol** 1983 Nov; 109(5):605–10

DIAGNOSIS

The telltale tongue. A four-article symposium.Introduction. Dreizen S. **Postgrad Med** 1984 Mar;75(4):150–1

Ulcerations of the tongue. Clinical manifestations of mucocutaneous and vesiculoulcerative diseases. Lynch DP.
Postgrad Med 1984 Mar;75(4):191–203

Benign lingual lesions of intrinsic origin. Differential diagnosis. Newland JR. **Postgrad Med** 1984 Mar; 75(4):152–63

DRUG THERAPY

Biphasic effect of estradiol and domperidone on lingual dyskinesia in monkeys. Bédard P, et al. **Exp Neurol** 1983 Oct;82(1):172–82

Efficacy of a riboflavin supplement given at fortnightly intervals to pregnant and lactating women in rural Gambia. Bates CJ, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):427–32

[Trial of gargling Betadine in the treatment of black tongue] Romanet P. **J Fr Otorhinolaryngol** 1983 Nov;32(9):589–91 **(Fre)**

ETIOLOGY

'Candida infection in the tongue and pharynx'. Bassiouny A, et al. **J Laryngol Otol** 1984 Jun;98(6):609–11

Galloping tongue: post-traumatic, episodic, rhythmic movements. Keane JR. **Neurology (NY)** 1984 Feb; 34(2):251–2

An unusual tongue necrosis in bilateral occlusion of external carotid artery branches. Liboni W, et al.
Panminerva Med 1983 Oct–Dec;25(4):249–54

[Diffenbachia picta—toxico-allergic changes in the mouth mucosa and tongue] Bogdanowski T, et al.
Przegl Dermatol 1984 Jan–Feb;71(1):61–3 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

The prevalence of oral carriers of Candida in patients with tongue abnormalities. Kullaa-Mikkonen A, et al. **J Dent** 1983 Dec;11(4):313–7

PATHOLOGY

Histological characterization of a lingual mass using thyroglobulin immunoperoxidase staining. Hartzband PI, et al. **J Endocrinol Invest** 1984 Jun;7(3):221–3

[Pathogenetic, histopathologic and clinical aspects of amyloidosis: apropos of 2 cases in sites of otorhinolaryngologic importance] Vitiello R, et al.
Acta Otorhinolaryngol Ital 1984 Mar–Apr;4(2):207–12 (Eng. Abstr.) **(Ita)**

SURGERY

Reanimation of the hemiparalytic tongue. Rubin LR, et al.
Plast Reconstr Surg 1984 Feb;73(2):184–94

TONGUE, FISSURED

COMPLICATIONS

Nonpainful, erythematous, circinate lesions of a protean nature on a fissured tongue. Correll RW, et al.
J Am Dent Assoc 1984 Jul;109(1):90–1

TONGUE, FURROWED see **TONGUE, FISSURED**

TONGUE, GEOGRAPHIC see **GLOSSITIS, BENIGN MIGRATORY**

TONGUE HABITS

Inheritance of ear wax types, ear lobe attachment and tongue rolling ability. Cruz-Gonzalez L, et al.
Acta Anthropogenet 1982;6(4):247–54

A Hungarian twin study on hand clasping, arm folding and tongue curling. Forrai G, et al. **Acta Biol Hung** 1983; 34(1):99–106

Reduction of tongue protrusion of a 24-year-old woman with Down syndrome through self-monitoring. Rudrud EH, et al. **Am J Ment Defic** 1984 May;88(6):647–52

The hyoid bone position in mouth breathers and tongue-thrusters. Bibby RE. **Am J Orthod** 1984 May; 85(5):431–3

TONGUE, HAIRY see under **TONGUE DISEASES**

TONGUE NEOPLASMS

Chest wall metastasis as a complication of myocutaneous flap reconstruction. Robbins KT, et al. **J Otolaryngol** 1984 Feb; 13(1):13–4

ANALYSIS

Myoglobin content of granular cell tumor of the tongue. An immunoperoxidase study. Thompson SH. **Oral Surg** 1984 Jan;57(1):74–6

CHEMICALLY INDUCED

Cancer of the tongue and palate following occupational exposure to petroleum products. Sengupta P, et al. **J Indian Med Assoc** 1984 Feb;82(2):59–61

COMPLICATIONS

Lymphangiomatous macroglossia. Dinerman WS, et al. **Laryngoscope** 1976 Feb;86(2):291–6

[Abrikossoff's tumor of the tongue associated with a sialometaplasia lesion] Reychler H, et al. **Rev Stomatol Chir Maxillofac** 1983;84(4):210–7 (Eng. Abstr.) **(Fre)**

[The cerebrovascular circulation 'steal' syndrome in extensive hemangioma of the tongue and lip in a newborn infant] Ismagilov MF, et al. **Pediatriia** 1983 Jul;(7):64–5 (0 ref.) **(Rus)**

CONGENITAL

Congenital (infantile) hemangiopericytoma of the tongue and sublingual region. Alpers CE, et al. **Am J Clin Pathol** 1984 Mar;81(3):377–82

Congenital fibrosarcoma of the tongue. A case report. Iannucci AM, et al. **Pathologica** 1983 Sep–Oct; 75(1039):739–45

DIAGNOSIS

Pseudolymphoma of the tongue mimicking Hodgkin's disease. (A case report). Ruckley RW, et al. **J Laryngol Otol** 1984 Jul;98(7):737–41

Biopsy technique for infiltrating tumors of head and neck mucosal origin. Johnson FE. **Laryngoscope** 1984 Sep; 94(9):1246–7

Acquired immune deficiency syndrome presenting as oral pharyngeal and cutaneous Kaposi's sarcoma. NaPier BL, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1466–9

Lingual thyroid. Case report and review of the literature. Elprana D, et al. **ORL J Otorhinolaryngol Relat Spec** 1984; 46(3):147–52

Lingual malignancies. Improving early detection and diagnosis. McDaniel RK. **Postgrad Med** 1984 Mar; 75(4):173–80, 185–6

Benign lingual lesions of intrinsic origin. Differential diagnosis. Newland JR. **Postgrad Med** 1984 Mar; 75(4):152–63

Lingual thyroid. Liauba R, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1983 Fall; 36(2):204–8

[Hemimacroglossia as the main symptom of Recklinghausen's disease in a toddler] König J, et al. **Cesk Otolaryngol** 1983 Jul;32(4):239–41 (Eng. Abstr.) **(Cze)**

[Adenoid cystic carcinoma of the base of the tongue] Udovički J, et al. **Med Pregl** 1983 Jan;36(1–2):33–5 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Development of methotrexate resistance in a human squamous cell carcinoma of the head and neck in culture. Frei E 3d, et al. **Proc Natl Acad Sci USA** 1984 May; 81(9):2873–7

[Balloon occluded arterial infusion with direct hemoperfusion for head and neck tumors] Kakiuchi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Nov;86(11):1384–92 (Eng. Abstr.) **(Jpn)**

METABOLISM

Cytokeratin polypeptide in cultured human squamous cell carcinoma as a possible marker for keratinization. Koike M, et al. **Gann** 1984 Jun;75(6):525–33

The cyclo-oxygenase and lipoxygenase pathways in human oral cancer tissue. Porteder H, et al. **J Maxillofac Surg** 1984 Aug;12(4):145–7

MORTALITY

Japanese cohort mortality from cancers of the upper digestive and respiratory tracts. Smith EM. **Int J Epidemiol** 1984 Jun;13(2):148–54

OCCURRENCE

Increase of tongue cancer in young men [letter] Shemen LJ, et al. **JAMA** 1984 Oct 12;252(14):1857

PATHOLOGY

Alveolar soft part sarcoma of the tongue. King VV, et al. **Am J Otolaryngol** 1983 Sep–Oct;4(5):363–6

Squamous cell carcinoma of the tongue: a comparison of the anterior two thirds of the tongue with its base. Iidstad ST, et al. **Am J Surg** 1983 Oct;146(4):456–61

Chondroma of the tongue. Report of two cases. Segal K, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):271–2

Cowden's disease. Association with squamous cell carcinoma of the tongue and perianal basal cell carcinoma. Camisa C, et al. **Arch Dermatol** 1984 May;120(5):677–8

High grade mucoepidermoid carcinoma. Fechner RE. **Arch Otolaryngol** 1984 Sep;110(9):624–6

Macroglossal lymphangioendotheliomatosis. Report of a case in a pregnant woman. Loeffler JR, et al. **Arch Otolaryngol** 1984 Sep;110(9):600–3

Osseous polyp of the tongue: osteoma or choristoma? Main DM. **Br Dent J** 1984 Apr 21;156(8):285–6

Osseous choristoma: a report of two cases. Sheridan SM. **Br J Oral Maxillofac Surg** 1984 Apr;22(2):99–102

Prominent fungiform papillae in guttate psoriasis. Stankler L, et al. **Br J Oral Maxillofac Surg** 1984 Apr;22(2):123–8

Lingual teratoma. Ficek W, et al. **Indian Pediatr** 1984 Feb; 21(2):175–6

Establishment of an etoposide-resistant human epithelial tumour cell line in vitro: characterization of patterns of cross-resistance and drug sensitivities. Hill BT, et al. **Int J Cancer** 1984 May 15;33(5):599–608

Verrucous carcinoma of the oral cavity. Report of two cases and review of the Japanese literature. Mizuno A, et al. **Int J Oral Surg** 1983 Dec;12(6):398–403

Multiple recurrences of a lesion at the base of the tongue. Wescott WB, et al. **J Am Dent Assoc** 1984 Feb;108(2):231–2

Pedunculated pleomorphic adenoma of the tongue base manifesting with dysponea. A case report. Grewal DS, et al. **J Laryngol Otol** 1984 Apr;98(4):425–7

Clinical course of diffuse invasive carcinoma of the tongue excised after Bleomycin treatment. Yamamoto E, et al. **J Maxillofac Surg** 1983 Dec;11(6):269–74

Chondroma of the tongue. Report of a case. Yasuoka T, et al. **J Maxillofac Surg** 1984 Aug;12(4):188–91

Alveolar soft part sarcoma of the tongue in a female neonate. Chaudhry AP, et al. **J Oral Med** 1984 Jan–Mar;39(1):2–7

Lingual osseous choristoma. Wasserstein MH, et al. **J Oral Med** 1983 Jul–Sep;38(3):87–9

Fetal rhabdomyoma of the tongue, with a discussion of the two histologic variants of this tumor. Gardner DG, et al. **Oral Surg** 1983 Sep;56(3):293–300

Alveolar soft-part sarcoma of the tongue. Report of a case with electron microscopic study. Komori A, et al. **Oral Surg** 1984 May;57(5):532–9

Maffucci's syndrome. Report of a case with oral hemangiomas. Laskaris G, et al. **Oral Surg** 1984 Mar; 57(3):263–6

[Abrikossov's granular cell myoblastoma. Comments on 4 cases located in the tongue] Borio PS, et al. **Minerva Stomatol** 1984 May–Jun;33(3):513–9 (Eng. Abstr.) **(Ita)**

[Radiosensitivity and cell kinetics of the human solid cancer transplanted to nude mouse] Ikeuchi S. **Nippon Geka Gakkai Zasshi** 1983 Aug;84(8):655–66 (Eng. Abstr.) **(Jpn)**

[Polypoid pseudosarcoma of the tongue] Ferrando J, et al. **Med Cutan Iber Lat Am** 1983;11(5):343–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Spread of carcinoma of the base of the tongue as detected by computer tomography. Byrd SE, et al. **Diagn Imag Clin Med** 1984;53(3):109–19

Carcinomas of the base of the tongue: diagnosis using double-contrast radiography of the pharynx. Apter AJ, et al. **Radiology** 1984 Apr;151(1):123–6

The spread of carcinoma of the base of the tongue as detected by computer tomography. Byrd SE, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(3):247–50

RADIOTHERAPY

Interstitial radiotherapy of the base of the tongue. Improved non-looping afterloading technique. Krithivas G, et al. **Radiology** 1984 Feb;150(2):601

Squamous-cell carcinoma of the tongue: preoperative interstitial radium and external irradiation. Part I: Local and regional control. Vermund H, et al. **Radiology** 1984 May;151(2):499–503

Squamous-cell carcinoma of the tongue: preoperative interstitial radium and external irradiation. Part II: Survival. Vermund H, et al. **Radiology** 1984 May;151(2):505–8

[The importance of interstitial radiotherapy for cancer of the tongue] Melsom H, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):642–4 (Eng. Abstr.) **(Nor)**

[Radiation ulcers after Cf-252 treatment of patients with cancer of the tongue] Galantseva GF, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):57–62 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastatic lingual carcinoma masquerading as Ludwig's angina. Grace A, et al. **J Laryngol Otol** 1984 May; 98(5):535–7

SURGERY

Local excision and radiotherapy for cancer of the oral tongue. A preliminary report. Chung CT, et al. **Am J Clin Oncol** 1984 Aug;7(4):331–4

Remission of overt diabetes mellitus after removal of an oral epidermoid carcinoma. Rex D, et al. **Am J Med Sci** 1984 May–Jun;287(3):43–5

Reconstruction after total or subtotal glossectomy. Krespi YP, et al. **Am J Surg** 1983 Oct;146(4):488–92

Aggressive surgical therapy after irradiation failure in treatment of cancer of the oral tongue. Mulholland MW, et al. **Arch Surg** 1984 Apr;119(4):394–9

Treatment of sublingual keratosis with the CO2 laser. Frame JW. **Br Dent J** 1984 Apr 7;156(7):243–6

Cryosurgery in 80 cases of tongue carcinoma. Wang SC. **Chin Med J [Engl]** 1984 Feb;97(2):131–2

Phoniatric disturbances in patients after partial tongue resection for malignant neoplasms. Pruszewicz A, et al. **Folia Phoniatr (Basel)** 1984;36(2):84–92

Approach to and reconstruction for lesions of the posterior third of the tongue via midline labiomandibular glossotomy. Alperin KM, et al. **Head Neck Surg** 1984 Jan–Feb; 6(3):744–50

The questionable value of total glossectomy. Harrison D. **Head Neck Surg** 1983 Nov–Dec;6(2):632–8

Enterocystoma of the head and neck. Crawley DE, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):492–6

[Histological observations on cryosurgery in tongue cancer—with special reference to the mechanism of its action and the depth of effective freezing] Tokashiki T. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20;86(6):671–80 (Eng. Abstr.) **(Jpn)**

[Repair of intraoral and pharyngeal defects with latissimus dorsi myocutaneous island flap] Yamamoto K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Jun 20;86(6):635–43 (Eng. Abstr.) **(Jpn)**

[A resected case of granular cell tumor occurring in the right main bronchus and on the tongue] Namikawa S, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):61–5 (Eng. Abstr.) **(Jpn)**

[Rare tumor of the base of the tongue] Sarău M, et al. **Rev Chir [Otorinolaringol]** 1984 Jan–Mar;29(1):39–41 (Eng. Abstr.) **(Rum)**

[Treatment of vascular tumors of the tongue] Panasiuk AP. **Stomatologiia (Mosk)** 1983 Jul–Aug;62(4):77 **(Rus)**

THERAPY

Preoperative irradiation and surgery for carcinoma of the base of the tongue. Thawley SE, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):485–90

Complications of embolization treatment for problem cavernous hemangiomas. Demuth RJ, et al. **Ann Plast Surg** 1984 Aug;13(2):135–44

'Early' tongue carcinoma. Razack MS, et al. **J Surg Oncol** 1984 Apr;25(4):287–8

Carcinoma of the mobile tongue: incidence of cervical metastases in early lesions related to method of primary treatment. Bradfield JS, et al. **Laryngoscope** 1983 Oct; 93(10):1332–6

[Treatment of primary lesions in cancer of the mobile portion of the tongue. Experience of the Curie Institute (1959–1972)] Decroix Y, et al. **Ann Otolaryngol Chir Cervicofac** 1983;100(8):549–55 (Eng. Abstr.) **(Fre)**

[A protocol for the treatment of cancers of the tongue] Tuca Rodriguez F, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(8):557–65 (Eng. Abstr.) **(Fre)**

[Review of intra-arterial infusion-radiation therapy for lingual cancer] Nomura Y, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1174–81 (Eng. Abstr.) **(Jpn)**

[Simultaneous treatment of tongue cancer with interstitial brachytherapy and bleomycin] Watarai J, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20;18(5):1152–5 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructure of oral mucous membrane lesions in psoriasis. Kanerva L, et al. **Acta Derm Venereol (Stockh)** 1984; 64(3):191–6

Histogenesis of granular cell tumour—an immunohistochemical and ultrastructural study. Miettinen M, et al. **J Pathol** 1984 Mar;142(3):221–9

Observation on a case of fibroma by scanning and transmission electron microscopy. Shiromoto M, et al. **Kurume Med J** 1983;30(4):149–56

VETERINARY

Neurofibromas in a macaw (Ara chloroptera): morphologic and immunocytochemical diagnosis. Bossart GD. **Vet Pathol** 1983 Nov;20(6):773–6

TONIN see **KININASE II**

TONOFILAMENTS see **CYTOPLASMIC FILAMENTS**

TONOMETRY

Effects of accommodation and repeated applanation tonometry on intraocular pressure. Mauger RR, et al. **Am J Optom Physiol Opt** 1984 Jan;61(1):28–30

Evaluation of a self tonometer for home use. Zeimer RC, et al. **Arch Ophthalmol** 1983 Nov;101(11):1791–3

The value of the edrophonium tonography in the diagnosis of myasthenia gravis. Binder S, et al.

Graefes Arch Clin Exp Ophthalmol 1983;221(2):78–80
Glaucoma screening by the primary care physician. Rodman WP. Postgrad Med 1984 Jul;76(1):224–30
[And tonography? (letter)] Isambert G. J Fr Ophtalmol 1984; 7(3):259–60 (Fre)
[Continuity of the tonography curve. II. Analysis of 1-minute intervals of the clinical tonogram] Armaly MF. Klin Monatsbl Augenheilkd 1984 Apr;184(4):299–302 (Eng. Abstr.) (Ger)
[Ocular pulse curve in glaucoma without hypertension] Perkins ES, et al. Klin Monatsbl Augenheilkd 1984 Apr; 184(4):303–4 (Eng. Abstr.) (Ger)
[Linearity of applanation tonometry] Seiler T, et al. Klin Monatsbl Augenheilkd 1984 Apr;184(4):308–10 (Eng. Abstr.) (Ger)
[Indentation of the cornea and tonometry. Preliminary results] Stepanik J. Klin Monatsbl Augenheilkd 1984 Apr; 184(4):318–20 (Eng. Abstr.) (Ger)

ECONOMICS

The value of screening for glaucoma with tonometry. Eddy DM, et al. Surv Ophthalmol 1983 Nov–Dec;28(3):194–205
Glaucoma screening. A cost–effectiveness analysis. Gottlieb LK, et al. Surv Ophthalmol 1983 Nov–Dec;28(3):206–26

INSTRUMENTATION

A-Scan axial length measurement in the tonometer prism holder. Hofmann RF. Ann Ophthalmol 1983 Sep; 15(9):819–20
Tonometer disinfection and viruses. Nagington J, et al. Br J Ophthalmol 1983 Oct;67(10):674–6
Orbitotonography, the dynamic assessment of orbital tension: 1. Results in subjects without known orbital disease. McGowan HD, et al. Can J Ophthalmol 1984 Apr; 19(3):122–5
Bradycardia and the Honan pressure cuff [letter] Cohen KL. J Am Intraocul Implant Soc 1984 Spring;10(2):207–8
[Septic potential of tonometers and triple-mirror glasses] Rossazza C, et al. Bull Soc Ophtalmol Fr 1983 Mar; 83(3):411–2, 415–6 (Eng. Abstr.) (Fre)
[An evaluation method for tonograms] Strobel J. Klin Monatsbl Augenheilkd 1983 Oct;183(4):301–2 (Eng. Abstr.) (Ger)
[Automatic applanation tonometer] Nakatani H, et al. Nippon Ganka Gakkai Zasshi 1984 Apr;88(4):740–5 (Eng. Abstr.) (Jpn)

METHODS

Differential tonometry in myopia. Prabhakara H, et al. Indian J Ophthalmol 1983 Nov–Dec;31(6):713
A simple microtonometric method for whole blood oxygen dissociation curve and a critical evaluation of the 'single point' procedure for blood P50. Kohzuki H, et al. Jpn J Physiol 1983;33(6):987–94
[A new method of ocular compression] Doege E. Fortschr Ophthalmol 1984;81(2):145–6 (Eng. Abstr.) (Ger)
[Measuring blood pressure in the eye with the ocular-cerebral-vascular monitor of Langham] Schubert T, et al. Fortschr Ophthalmol 1984;81(2):161–3 (Eng. Abstr.) (Ger)
[Tonometry results using corneal applanation 3.53 mm in diameter] Stepanik J. Klin Monatsbl Augenheilkd 1984 Jan; 184(1):40–1 (Eng. Abstr.) (Ger)

STANDARDS

Progress in continual eye pressure monitoring. Cooper RL, et al. Aust J Ophthalmol 1983 Aug;11(3):143–8
[Current status of the standardization of air impulse tonometers and their evaluation—as an example: the Non-Contact Tonometer II] Jessen K, et al. Klin Monatsbl Augenheilkd 1983 Oct;183(4):296–300 (Eng. Abstr.) (Ger)
[New interpretation of the results of ocular tonography taking into account uveoscleral drainage of intraocular fluid] Kosykh NV. Vestn Oftalmol 1984 Jul–Aug;(4):14–6 (Eng. Abstr.) (Rus)

TONSIL

A case of tonsillar leishmaniasis. Laudadio P. J Laryngol Otol 1984 Feb;98(2):213–6

ANALYSIS

[Lincomycin concentration of the serum and tonsillar tissue after a single injection] Marcenac FM, et al. Medicina (B Aires) 1983;43(4):410–4 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

[Morphological and structural aspects of the palatine tonsil in cattle (Bos taurus) and buffalo (Bubalus buffalus)] Pelagalli GV, et al. Anat Histol Embryol 1983 Sep; 12(3):253–65 (Eng. Abstr.) (Fre)

CYTOLOGY

Human interferon production in tonsil and adenoid tissue cultures. Richtsmeier WJ. Am J Otolaryngol 1983 Sep–Oct; 4(5):325–33
Phenotypic expression of B-lymphocytes. 2. Immunoglobulin expression of germinal center cells. Hsu SM, et al. Am J Pathol 1984 Mar;114(3):396–402
T-cell maturation in the human thymus and tonsil: peanut agglutinin binding T lymphocytes in thymus and tonsil differ in maturation stage. Schuurman HJ, et al. Clin Immunol Immunopathol 1983 Nov;29(2):271–81
Kinetics of thymidine entry into tonsillar lymphocytes and its alteration in the presence of a lymphokine. Szabó MT, et al. Immunol Commun 1984;13(3):199–209
Lymphocyte subsets in human adenoids and tonsils. Rosette formation, alpha-naphthyl acetate esterase cytochemistry, monoclonal antibodies and peanut lectin reactivity. Ennas MG, et al. Immunol Lett 1984;8(1):1–9
Histiocytic and dendritic reticulum cells shown by a zinc iodide-osmium technique. Crocker J, et al. J Clin Pathol 1984 Jun;37(6):620–7
Human tonsil B lymphocyte function. II. Pokeweed mitogen-induced plasma cell differentiation of B cell subpopulations expressing multiple heavy chain isotypes on their surface. Mudde GC, et al. J Immunol 1984 Oct; 133(4):1896–901
Isolation of follicular dendritic cells from human tonsils and adenoids. I. Procedure and morphological characterization. Lilet-Leclercq C, et al. J Immunol Methods 1984 Feb 10; 66(2):235–44
Analysis of lymphoid and dendritic cells in human lymph node, tonsil and spleen. A study using monoclonal and heterologous antibodies. van der Valk P, et al. Virchows Arch [Cell Pathol] 1984;45(2):169–85
[Immunohistological detection of T lymphocytes with monoclonal antibody BL-T2] Kupper H, et al. Acta Histochem (Jena) 1983;73(2):283–7 (Eng. Abstr.) (Ger)

EMBRYOLOGY

[Histogenesis of the subepithelial lymphatic tissues—with special reference to the tonsilla caecalis of chickens and the palatine tonsils and appendix vermiformis of man] Sakai K. Igaku Kenkyu 1983 Mar;53(2):111–25 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Immunohistological study of tonsil. Distribution of T cell subsets. Yamanaka N, et al. Acta Otolaryngol (Stockh) 1983 Nov–Dec;96(5–6):509–16
Pustulosis palmaris et plantaris. With reference to the cross-reactivity between tonsillar epithelium antigen and skin antigen. Enomoto T, et al. Acta Otolaryngol [Suppl] (Stockh) 1983;401:36–42
Immunological study of pustulosis palmaris et plantaris. Blastoid transformation of tonsil and peripheral blood lymphocytes by stimulation with human skin extract. Tanaka N, et al. Acta Otolaryngol [Suppl] (Stockh) 1983; 401:68–74
Tonsil and pustulosis palmaris et plantaris. Mainly in respect of complement. Yamazaki Y, et al. Acta Otolaryngol [Suppl] (Stockh) 1983;401:43–50
A comparison of ABC, unlabeled antibody and conjugated immunohistochemical methods with monoclonal and polyclonal antibodies—an examination of germinal center of tonsils. Hsu SM, et al. Am J Clin Pathol 1983 Oct; 80(4):429–35
T and B lymphocytes in peripheral blood and tonsils of children after tonsillectomy. Prusek W, et al. Arch Immunol Ther Exp (Warsz) 1983;31(4):489–96
The emigration of lymphocytes from palatine tonsils after local labelling. Pabst R, et al. Arch Otorhinolaryngol 1984; 240(1):7–13
The influence of tonsillectomy on cell-mediated immune response. Siegel G. Arch Otorhinolaryngol 1984; 239(3):205–9
Demonstration of cells bearing the OKT6 determinant in human tonsil and lymph node. McMillan EM, et al. Cancer Immunol Immunother 1983;15(3):221–6
Immunological abnormalities in the tonsils of patients with IgA nephropathy: inversion in the ratio of IgA: IgG bearing lymphocytes and increased polymeric IgA synthesis. Egido J, et al. Clin Exp Immunol 1984 Jul; 57(1):101–6
Human tonsil B lymphocyte function. I. The proliferative response to Staphylococcus aureus and pokeweed mitogen in relation to surface heavy chains mu and delta. Mudde GC, et al. Clin Exp Immunol 1984 Jun;56(3):709–15
Staphylococcal protein-A is a potent T-cell mitogen of tonsillar lymphocytes. Jacob MC, et al. Immunol Lett 1983; 7(2):77–80
T cell subsets in the tonsil in relation to age analyzed with monoclonal antibodies (anti-leu antibodies) and fluorescence activated cell sorter (FACS). Sugiyama M, et al. Int J Pediatr Otorhinolaryngol 1983 Nov;6(2):195–204
Immunology of tonsils and adenoids—an update. Wong DT, et al. Int J Pediatr Otorhinolaryngol 1980 Sep;2(3):181–91
Application of immunoelectron microscopy for identification of T lymphocyte subsets and HLA DR antigen positive cells in tissue. Dienes HP, et al. J Histochem Cytochem 1984 May;32(5):547–51
Mucosal cell-mediated immunity to varicella zoster virus: role in protection against disease. Bogger-Goren S, et al. J Pediatr 1984 Aug;105(2):195–9
Immunoelectron microscopic demonstration of tissue antigens with monoclonal antibodies. Hansmann ML, et al. Virchows Arch [Cell Pathol] 1984;46(1–2):1–12
[Lymphocyte reaction in the palatine tonsils after use of the He-Ne laser] Hubáček J, et al. Cesk Gastroenterol Vyz 1983 Dec;37(8):467–71 (Eng. Abstr.) (Cze)
[Immunomorphological indices of the lymphocytes of the tonsil, appendix and spleen of the human fetus] Khlystova ZS, et al. Akush Ginekol (Mosk) 1984 Jun;(6):58–60 (Eng. Abstr.) (Rus)
[Passive hemagglutination reaction in patients with allergic pruritic dermatoses] Gol'dshtein LM, et al. Vestn Dermatol Venerol 1984 Jan;(1):48–51 (Eng. Abstr.) (Rus)
[Immunomorphological changes in the palatine tonsils and the body's immunological reactivity in chronic tonsillitis patients] Popa VA, et al. Vestn Otorinolaringol 1984 Jul–Aug;(4):35–9 (Eng. Abstr.) (Rus)
[Immunomorphological evaluation of palatine tonsillar function (based on tonsillectomy data)] Popa VA, et al. Vestn Otorinolaringol 1983 Jul–Aug;(4):58–61 (Rus)
[Dynamics of the immunological indices as affected by cryotherapy of the palatine tonsils] Zagorianskaia ME, et al. Vestn Otorinolaringol 1984 Jul–Aug;(4):40–3 (Eng. Abstr.) (Rus)
[Effect of isoproterenol on spontaneous cytotoxic activity of mononuclear lymphocytes from peripheral blood and from tonsils] Rojo JM, et al. Rev Clin Esp 1984 Mar 15; 172(5):261–2 (Eng. Abstr.) (Spa)

METABOLISM

Amino acid transport in human tonsillar lymphocytes with regard to patient's age and tonsillar diseases. Shido F, et al. Arch Otorhinolaryngol 1984;239(2):163–71
Cloning of interleukin 2 mRNAs from human tonsils. Maeda S, et al. Biochem Biophys Res Commun 1983 Sep 30; 115(3):1040–7
Concentrations of cloxacillin and erythromycin in the tonsils of children after administration of therapeutic doses. Brzezińska H, et al. Int J Pediatr Otorhinolaryngol 1984 Mar;7(1):51–61
Endogenous avidin-binding activity in human lymphoid tissue. Banerjee D, et al. J Clin Pathol 1984 Feb;37(2):223–5
[Transport of cefotetan into the otorhinolaryngeal tissues] Fujimaki Y, et al. Jpn J Antibiot 1983 Jun;36(6):1317–24 (Eng. Abstr.) (Jpn)
[Serotonin and histamine content and the monoamine oxidase and diamine oxidase activities in the palatine tonsil in compensated and decompensated forms of chronic tonsillitis] Avakian ZA, et al. Vestn Otorinolaringol 1983 Sep–Oct;(5):48–51 (Eng. Abstr.) (Rus)
[Biochemical and immunoreceptor characteristics of the T- and B-lymphocytes of the palatine tonsils in chronic tonsillitis patients] Panavene DP, et al. Vestn Otorinolaringol 1984 Mar–Apr;(2):30–3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Bacteroides melaninogenicus. Its recovery from tonsils of children with acute tonsillitis. Brook I, et al. Arch Otolaryngol 1983 Dec;109(12):818–20
Rabies virus in the tonsils of a carrier dog. Fekadu M, et al. Arch Virol 1983;78(1–2):37–47
Interference of alpha-hemolytic streptococci isolated from tonsillar surface on beta-hemolytic streptococci (Streptococcus pyogenes)—a methodological study. Grahn E, et al. Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):459–68
[Comparative use of 2 commercially available selective culture media for isolation of Yersinia enterocolitica from tonsils of slaughter swine] Weber A, et al. Zentralbl Veterinarmed [B] 1983 Aug;30(7):532–6 (Eng. Abstr.) (Ger)

PATHOLOGY

Multinucleated giant cells in the palatine tonsil of three patients with pustulosis palmaris et plantaris. Koizumi F, et al. Acta Otolaryngol [Suppl] (Stockh) 1983;401:75–8
Lymphoid papillary hyperplasia of the palatine tonsils. Carrillo-Farga J, et al. Am J Surg Pathol 1983 Sep; 7(6):579–82
Tonsillar changes in pigs given pseudorabies (Aujeszky's disease) virus. Narita M, et al. Am J Vet Res 1984 Feb; 45(2):247–51
An unusual case of airway obstruction. Dindzans LJ, et al. J Otolaryngol 1984 Aug;13(4):252–4
Adeno-tonsillar hypertrophy as a cause of sleep apnoea syndrome. Ravindran VK. Med J Malaysia 1983 Jun; 38(2):164–6
Signet-ring cell variant of large cell lymphoma. Dardick I, et al. Ultrastruct Pathol 1983 Sep–Oct;5(2–3):195–200
[Lymphocytes of the peripheral blood and palatine tonsils in children in morphological and immunological evaluation] Prusek W, et al. Wiad Lek 1983 Aug 1; 36(15):1245–53 (Eng. Abstr.) (Pol)
[Morphocytochemical indices in children with recurring diseases of the upper respiratory tract] Teodor IL, et al. Vestn Otorinolaringol 1984 May–Jun;(3):58–61 (Eng. Abstr.) (Rus)
[Chronic cor pulmonale secondary to tonsillar hypertrophy] Alfageme Michavila I, et al. Rev Clin Esp 1983 Jun 15–30; 169(5–6):353–6 (Eng. Abstr.) (Spa)
[Large amounts of concretion in a patient with tonsillar

calculi] Ekstrand T, et al. **Lakartidningen** 1984 Jun 13; 81(24):2434 **(Swe)**

PHYSIOLOGY

Theoretical and clinical aspects of the tonsillar function. Siegel G. **Int J Pediatr Otorhinolaryngol** 1983 Sep; 6(1):61–75

RADIOGRAPHY

Radiologic evaluation of adenoids and tonsils in children with obstructive sleep apnea: plain films and fluoroscopy. Fernbach SK, et al. **Pediatr Radiol** 1983;13(5):258–65

SURGERY

[Case report of a tonsil calculus weighing 5 g] Baumann J. **HNO** 1983 Nov;31(11):399–400 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Cell-size distribution of human tonsillar lymphocytes. Shido F, et al. **Arch Otorhinolaryngol** 1984;239(3):211–8

Isolation of follicular dendritic cells from human tonsils and adenoids. II. Immunocytochemical characterization. Heinen E, et al. **Eur J Immunol** 1984 Mar;14(3):267–73

TONSILLAR NEOPLASMS

ANALYSIS

Presence of Epstein–Barr virus DNA in carcinomas of the palatine tonsil. Břicháček B, et al. **JNCI** 1984 Apr; 72(4):809–15

DIAGNOSIS

Burkitt's lymphoma of tonsil presenting as leukaemia. Nandakumar A, et al. **Indian J Cancer** 1983 Jul–Aug; 20(3):169–72

[Cervical amygdaloid tumors. Considerations on 18 cases] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 1984 Apr–Jun;29(2):81–95 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Antibodies to Epstein–Barr virus in nasopharyngeal carcinoma, tonsillar carcinoma and control groups. Oberender H, et al. **Acta Virol (Praha)** 1983 May; 27(3):277–81

[Tonsillar cancer and Epstein–Barr virus] Wilmes E, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):586–9 (Eng. Abstr.) **(Ger)**

MORTALITY

Pitfalls in the use of death certificates for assessing cause of death: a study of tonsil carcinoma patients. Breaux S, et al. **Am J Clin Oncol** 1984 Aug;7(4):375–80

OCCURRENCE

[Extra-nodal non-Hodgkin's lymphoma] Mohri N, et al. **Nippon Rinsho** 1983 Nov;41(11):2569–77 **(Jpn)**

PATHOLOGY

Non-Hodgkin's lymphoma of the tonsil. A clinicopathologic study of 65 cases. Barton JH, et al. **Cancer** 1984 Jan 1; 53(1):86–95

Extramedullary plasmacytoma with crystal inclusions arising from the palatal tonsil. Hashimoto N, et al. **J Oral Pathol** 1983 Oct;12(5):309–18

Cystic metastasis from occult tonsillar primary simulating branchiogenic carcinoma: the case for tonsillectomy as a 'grand biopsy'. Marlowe FI, et al. **Laryngoscope** 1984 Jun; 94(6):833–5

Signet-ring cell variant of large cell lymphoma. Dardick I, et al. **Ultrastruct Pathol** 1983 Sep–Oct;5(2–3):195–200

[Non-Hodgkin's malignant lymphoma of the oral cavity and Waldeyer's ring—clinico-pathological Studies of biopsy cases] Takahashi H, et al. **Gan No Rinsho** 1983 Nov; 29(14):1628–33 (Eng. Abstr.) **(Jpn)**

[Skin infiltration of extranodal non-Hodgkin's lymphoma: 2 cases having the original loci at the skin and Waldeyer's ring] Katoh M, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Sep;92(10):1071–80 **(Jpn)**

RADIOGRAPHY

Computed tomography of palatine tonsillar carcinoma. Byrd SE, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):976–82

RADIOTHERAPY

Cancer of the tonsil: results of radical radiation therapy with surgery in reserve. Garrett PG, et al. **Am J Surg** 1983 Oct; 146(4):432–5

Radiation management of carcinoma of the tonsillar region. Amornmarn R, et al. **Cancer** 1984 Oct 1;54(7):1293–9

Radiation therapy of Waldeyer's ring lymphoma. Shimm DS, et al. **Cancer** 1984 Aug 1;54(3):426–31

Bilateral whole thorax irradiation for metastatic tonsillar carcinoma. Chung TS. **IMJ** 1983 Sep;164(3):193–4

Carcinoma of the tonsil. Nofal F. **J Laryngol Otol** 1984 Feb; 98(2):161–6

[Role of iridium-192 endocurietherapy in the treatment of T1 and T2 tumors of the tonsillar region] Lusinchi A, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):293–7 (Eng. Abstr.) **(Fre)**

[Recurrences of lymphosarcoma of the pharyngeal ring after radiotherapy] Kruglova GV, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):39–44 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastatic melanoma to the palatine tonsil. Myer CM 3d, et al. **Ear Nose Throat J** 1983 Oct;62(10):62, 64

THERAPY

Radiochemotherapy for non-Hodgkin's lymphoma in palatine tonsil. Fujitani T, et al. **Cancer** 1984 Oct 1; 54(7):1288–92

[Retrospective study of 72 cases of epithelioma in the tonsil region (1970–1978)] Junien-Lavillauroy C, et al. **J Fr Otorhinolaryngol** 1984 Mar;33(3):134–8 **(Fre)**

TONSILLECTOMY

Comparison of halothane and enflurane anaesthesia for tonsillectomy in adults. Saarnivaara L. **Acta Anaesthesiol Scand** 1984 Jun;28(3):319–24

Comparison of paracetamol and pentazocine suppositories for pain relief after tonsillectomy in adults. Saarnivaara L. **Acta Anaesthesiol Scand** 1984 Jun;28(3):315–8

Diclofenac (Voltaren). Pain-relieving effect after tonsillectomy. Dommerby H, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):185–92

Evaluation of tonsillectomy as a treatment for pustulosis palmaris et plantaris. Ono T, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;401:12–6

Airway obstruction in infectious mononucleosis. A case report. Catling SJ, et al. **Anaesthesia** 1984 Jul;39(7):699–702

T and B lymphocytes in peripheral blood and tonsils of children after tonsillectomy. Prusek W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):489–96

The influence of tonsillectomy on cell-mediated immune response. Siegel G. **Arch Otorhinolaryngol** 1984; 239(3):205–9

Chronic otitis media with effusion (glue ear) and adenotonsillectomy [letter] **Br Med J [Clin Res]** 1984 Feb 4;288(6414):405–6

Increased meningococcal carrier rate after tonsillectomy. Kristiansen BE, et al. **Br Med J [Clin Res]** 1984 Mar 31; 288(6422):974

Chronic otitis media with effusion (glue ear) and adenotonsillectomy: prospective randomised controlled study. Maw AR. **Br Med J [Clin Res]** 1983 Nov 26; 287(6405):1586–8

Effects of nasal surgery and tonsillectomy on sleep apnea. Rubin AH, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):612–5

Current thinking on tonsillectomy and adenoidectomy. Blum DJ, et al. **Compr Ther** 1983 Dec;9(12):48–56 (13 ref.)

Immediate unilateral tonsillectomy for severe peritonsillar infections in children. Lima JA, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):187–93

Chronic otitis media with effusion and adeno-tonsillectomy—a prospective randomized controlled study. Maw AR. **Int J Pediatr Otorhinolaryngol** 1983 Dec; 6(3):239–46

A beta-blocker as anxiolytic and haemostatic in tonsillectomy. Basjrah R, et al. **J Int Med Res** 1983; 11(5):263–8

A comparative study of benzydamine hydrochloride 0.15% w/v ('Difflam' Oral Rinse) and acetyl salicylic acid as analgesics following tonsillectomy. Irwin BC, et al. **J Int Med Res** 1984;12(3):216–8

Post-operative haemorrhage in tonsillectomy and adenoidectomy in children. Capper JW, et al. **J Laryngol Otol** 1984 Apr;98(4):363–5

Unilateral immediate tonsillectomy as the treatment of peritonsillar abscess: results, with special attention to pharyngitis. Christensen PH, et al. **J Laryngol Otol** 1983 Dec;97(12):1105–9

Unilateral tonsillectomy—indications and results. Gray LP. **J Laryngol Otol** 1983 Dec;97(12):1111–9

Quinsy following tonsillectomy (five case reports). Randall CJ, et al. **J Laryngol Otol** 1984 Apr;98(4):367–9

Immediate tonsillectomy in the presence of quinsy. Valko P. **J Otolaryngol** 1983 Aug;12(4):259–60

Tonsillectomy [editorial] **Lancet** 1984 May 5;1(8384):1002

Routine abscess tonsillectomy: late results. Bonding P. **Laryngoscope** 1976 Feb;86(2):286–90

Lingual tonsillectomy: a treatment for inflammatory lesions of the lingual tonsil. Joseph M, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):179–84

Tonsillectomy. A controlled prospective trial [editorial] Mellis CM. **Med J Aust** 1984 Sep 1;141(5):272–3

Tonsillectomy for recurrent throat infections in children [letter] **N Engl J Med** 1984 Aug 9;311(6):408–9

Tonsillectomy: justified but not mandated in special patients [editorial] Hendley JO. **N Engl J Med** 1984 Mar 15; 310(11):717–8

Efficacy of tonsillectomy for recurrent throat infection in severely affected children. Results of parallel randomized and nonrandomized clinical trials. Paradise JL, et al. **N Engl J Med** 1984 Mar 15;310(11):674–83

Adenotonsillectomy and obstructive sleep apnoea [editorial] **S Afr Med J** 1983 Oct 22;64(18):687–8

[The use of neuroleptanesthesia in adenotonsillectomy in children] Jung C, et al. **Anasth Intensivther Notfallmed** 1984 Jun;19(3):112–6 (Eng. Abstr.) **(Ger)**

[Indications for tonsillectomy in childhood from the current viewpoint] Gastpar H. **Laryngol Rhinol Otol (Stuttg)** 1984 Apr;63(4):203–5 (Eng. Abstr.) **(Ger)**

[Altodor for hemostasis in tonsillectomy] Lambert D, et al. **ZFA (Stuttgart)** 1983 Dec 20;59(35–36):1986–8 **(Ger)**

[Pulmonary artery pressure in children with chronic tonsillitis before tonsillectomy and immediately afterwards] Kuberger MB, et al. **Kardiologiia** 1983 Jul;23(7):99–101 **(Rus)**

[Tonsillectomy in children with lymphogranulomatosis] Zharov VN, et al. **Pediatriia** 1984 Jan;(1):67 **(Rus)**

[Positive effect of adenotonsillectomy in children with chronic tonsillitis, adenoiditis and diabetes mellitus] Kitaigorodskiĭ AP. **Vestn Otorinolaringol** 1984 May–Jun; (3):34–7 (Eng. Abstr.) **(Rus)**

[Experience in the use of nasopharyngeal anesthesia in ORL surgery] Nefedov GN, et al. **Vestn Otorinolaringol** 1984 May–Jun;(3):71–2 **(Rus)**

ADVERSE EFFECTS

[Loss of mass after tonsillectomy] Lejska M. **Cesk Otolaryngol** 1984 Apr;33(2):107–9 (Eng. Abstr.) **(Cze)**

[Immunologic findings in children in relation to tonsillectomy and adenotomy] Sláma K, et al. **Cesk Otolaryngol** 1984 Feb;33(1):31–5 (Eng. Abstr.) **(Cze)**

[Adenoidectomy and tonsillectomy in allergic patients] Fourrier E. **Ann Otolaryngol Chir Cervicofac** 1984; 101(3):237–9 (Eng. Abstr.) **(Fre)**

[Rotatory subluxation of the atlas after tonsillectomy] Perricone G, et al. **Chir Organi Mov** 1982–83;68(2):261–5 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

[Application of Ti-Ni shape memory alloys to the otorhinolaryngological field] Fujioka M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Apr;87(4):461–7 (Eng. Abstr.) **(Jpn)**

METHODS

Guillotine tonsillectomy without anesthesia. Yuan CC, et al. **Auris Nasus Larynx** 1984;11(1):29–35

Salicylates and post-tonsillectomy haemorrhage. Carrick DG. **J Laryngol Otol** 1984 Aug;98(8):803–5

Tonsillectomy without hemorrhage. DuBrule M. **J Tenn Med Assoc** 1983 Dec;76(12):775–6

Tonsillectomy—some like it hot. Mann DG, et al. **Laryngoscope** 1984 May;94(5 Pt 1):677–9

[Tonsillectomy à chaud – an alternative treatment of peritonsillitis] Hallén LD, et al. **Lakartidningen** 1983 Dec 7;80(49):4785–8 (Eng. Abstr.) **(Swe)**

TRENDS

Ablation of tissue [letter] Smibert J. **Aust Fam Physician** 1984 Mar;13(3):157

UTILIZATION

Tonsillectomy: an appraisal of indications in developing countries. Okafor BC. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):517–22

A proposed national tonsillectomy audit? Report from the Criteria Committee on Tonsillectomy Audit. **Aust Clin Rev** 1983 Dec;(11):3–5

TONSILLITIS

COMPLICATIONS

Pustulosis palmaris et plantaris due to tonsillar focal infections. From the analysis of long-term observed cases. Noda Y, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983; 401:22–30

The effects of recurrent tonsillitis on growth and cervical lymphadenopathy in children. Mills RP, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):77–82

Immediate tonsillectomy in the presence of quinsy. Valko P. **J Otolaryngol** 1983 Aug;12(4):259–60

[Spontaneous pneumopericardium in a 9-year-old child] Fuertes Fernández-Espinar J, et al. **Pediatrie** 1983 Mar; 38(2):101–4 (Eng. Abstr.) **(Fre)**

[Tonsillar suppuration responsible for cerebral abscess. Current incidence (letter)] Nguyen JP, et al. **Presse Med** 1984 May 19;13(21):1333 **(Fre)**

[Role of chronic tonsillitis in the development of reproduction disorders during puberty] Antipina NN, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

[Positive effect of adenotonsillectomy in children with chronic tonsillitis, adenoiditis and diabetes mellitus] Kitaigorodskiĭ AP. **Vestn Otorinolaringol** 1984 May–Jun; (3):34–7 (Eng. Abstr.) **(Rus)**

[The upper respiratory tract and bronchial asthma] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):77–81 (99 ref.) **(Rus)**

[Clinical picture and diagnosis of metatonsillar diseases in servicemen] Liashenko IuI. **Voen Med Zh** 1984 Mar; (3):66–8 **(Rus)**

[Association of pathology of the ORL and internal organs] Volokhov VA, et al. **Voen Med Zh** 1983 Dec;(12):62–4 **(Rus)**

[Pseudomonas aeruginosa amygdalitis as a focus of sepsis in renal insufficiency patients (letter)] Rodríguez Jornet A, et al. **Med Clin (Barc)** 1983 Nov 19;81(16):740 **(Spa)**

DIAGNOSIS

Rapid diagnosis of adenoviral tonsillitis: a prospective clinical study. Ruuskanen O, et al. **J Pediatr** 1984 May;104(5):725–8

Crohn's disease presenting as chronic purulent tonsillitis. Mones RL, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun; 3(3):475–7

[Infectious mononucleosis (Pfeiffer glandular fever) with membranous angina, nephritis, myocarditis and Guillain–Barré syndrome] Gortner L. **Monatsschr Kinderheilkd** 1984 Feb;132(2):113–5 (Eng. Abstr.) **(Ger)**

[Potentials of thermography in the diagnosis and characterization of chronic tonsillitis] Ginzburg LI, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):74–8 (Eng. Abstr.) **(Rus)**

[Various clinical variants of angina in acute respiratory viral diseases in adults] **Grushinskaia IA**, et al. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):43–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of non-anginal forms of chronic tonsillitis] Teterin FN, et al. **Voen Med Zh** 1983 Sep;(9):54–5 **(Rus)**

DRUG THERAPY

A comparative study of spiramycin and erythromycin in acute tonsillo-pharyngitis. Zulkifli, et al. **Curr Med Res Opin** 1984;8(10):708–13

Concentrations of cloxacillin and erythromycin in the tonsils of children after administration of therapeutic doses. Brzezińska H, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar;7(1):51–61

Control of Arthus tonsillitis by the administration of an antiplasminic agent. Kosugi T, et al. **Int J Tissue React** 1983;5(2):205–15

[Clinical evaluation of co-tetroxazine in acute purulent sinusitis and acute tonsillitis in a double-blind comparison] Frühwald H, et al. **Wien Klin Wochenschr** 1984 Mar 16; 96(6):219–25 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Tonsillitis in the paediatric outpatient. Reader WJ, et al. **S Afr Med J** 1984 Feb 4;65(5):169–71

[The role of Toxoplasma gondii in the etiology of chronic tonsillitis in children] Vráblic J, et al. **Cesk Otolaryngol** 1983 Jul;32(4):221–5 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

The tonsils and pustulosis palmaris et plantaris as viewed against the genetic background. Ito H, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;401:62–7

IMMUNOLOGY

Immunohistological study of tonsil. Distribution of T cell subsets. Yamanaka N, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):509–16

Conceptual understanding of pustulosis palmaris et plantaris as an immune complex disease due to focal tonsillar infections. Yamanaka N, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;401:31–5

[Lymphocyte reaction in the palatine tonsils after use of the He–Ne laser] Hubáček J, et al. **Cesk Gastroenterol Vyz** 1983 Dec;37(8):467–71 (Eng. Abstr.) **(Cze)**

[Recurrent nature of habitual tonsillitis] Yamanaka N. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Sep;86(9):1064–7 **(Jpn)**

[Immunomorphological changes in the palatine tonsils and the body's immunological reactivity in chronic tonsillitis patients] Popa VA, et al. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):35–9 (Eng. Abstr.) **(Rus)**

[Clinico-immunological characteristics of chronic tonsillitis] Shukurian AK. **Vestn Otorinolaringol** 1984 Mar–Apr; (2):25–9 (Eng. Abstr.) **(Rus)**

[Vascular-tissue permeability and serum immunoglobulin levels in patients with chronic tonsillitis] Shukurian AK. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):34–8 (Eng. Abstr.) **(Rus)**

[Role of immunologic examination in the diagnosis of chronic tonsillitis] Tarasov DI, et al. **Vestn Otorinolaringol** 1984 May–Jun;(3):38–41 (Eng. Abstr.) **(Rus)**

METABOLISM

[Serotonin and histamine content and the monoamine oxidase and diamine oxidase activities in the palatine tonsil in compensated and decompensated forms of chronic tonsillitis] Avakian ZA, et al. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):48–51 (E[illegible] Abstr.) **(Rus)**

[Biochemical and im[illegible]eceptor characteristics of the T- and B-lymphocytes [illegible] the palatine tonsils in chronic tonsillitis patients] Pana[illegible]ene DP, et al. **Vestn Otorinolaringol** 1984 Mar–Apr;(2):30–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Bacteroides melaninogenicus. Its recovery from tonsils of children with acute tonsillitis. Brook I, et al. **Arch Otolaryngol** 1983 Dec;109(12):818–20

Pharyngitis–tonsillitis in a college population. Ruch CR, et al. **J Am Coll Health** 1984 Apr;32(5):222–6

Acute tonsillitis in children: microbial pathogens in relation to age. Douglas RM, et al. **Pathology** 1984 Jan;16(1):79–82

Bacterial interference in streptococcal tonsillitis. Holm SE, et al. **Scand J Infect Dis [Suppl]** 1983;39:73–8

Betalactamase-producing microorganisms in recurrent tonsillitis. Tunér K, et al. **Scand J Infect Dis [Suppl]** 1983; 39:83–5

Bacterial interference in the throat flora during a streptococcal tonsillitis outbreak in an apartment house area. Grahn E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 256(1):72–9

[Balanoposthitis caused by Streptococcus pyogenes following sexual intercourse] Füzi M, et al. **Orv Hetil** 1984 Jan 22; 125(4):217–9 (Eng. Abstr.) **(Hun)**

PATHOLOGY

Overwhelming infection after splenectomy in spite of some spleen remaining and splenosis. A case report. Sass W, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1075–9

PHYSIOPATHOLOGY

Tympanometric findings in patients with adenoid hyperplasia, chronic sinusitis and tonsillitis. Abd Alhady R, et al. **J Laryngol Otol** 1984 Jul;98(7):671–6

[Pulmonary artery pressure in children with chronic tonsillitis before tonsillectomy and immediately afterwards] Kuberger MB, et al. **Kardiologia** 1983 Jul;23(7):99–101 **(Rus)**

PREVENTION & CONTROL

Tonsillectomy for recurrent throat infections in children [letter] **N Engl J Med** 1984 Aug 9;311(6):408–9

SURGERY

Tonsillectomy: an appraisal of indications in developing countries. Okafor BC. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):517–22

Guillotine tonsillectomy without anesthesia. Yuan CC, et al. **Auris Nasus Larynx** 1984;11(1):29–35

Tonsillectomy [editorial] **Lancet** 1984 May 5;1(8384):1002

Lingual tonsillectomy: a treatment for inflammatory lesions of the lingual tonsil. Joseph M, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):179–84

[Tonsillectomy à chaud – an alternative treatment of peritonsillitis] Hallén LD, et al. **Lakartidningen** 1983 Dec 7;80(49):4785–8 (Eng. Abstr.) **(Swe)**

THERAPY

[Development of combined therapy of patients with chronic tonsillitis and disorders of menstrual function] Kuznetsova MN, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):43–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the regeneration of mouth and pharyngeal mucosa exposed to helium–neon laser] Berezin IuD, et al. **Vestn Khir** 1984 May;132(5):64–5 **(Rus)**

[Organization of the dispensary observation of patients with tonsillogenic myocardiodystrophy] Detsik IuI, et al. **Vrach Delo** 1983 Nov;(11):117–9 **(Rus)**

VETERINARY

Tonsillar changes in pigs given pseudorabies (Aujeszky's disease) virus. Narita M, et al. **Am J Vet Res** 1984 Feb; 45(2):247–51

TOOTH

see related
DENTITION
MALOCCLUSION
MASTICATION
ODONTOGENESIS
PALEODONTOLOGY

Dental age estimation. An alternative technique for tooth sectioning. Solheim T. **Am J Forensic Med Pathol** 1984 Jun;5(2):181–4

The heat resistance of a data-encoded ceramic microchip identification system. Wilson DF, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):209–15

Appliance to protect maxillary teeth and palate during endoscopy. Salisbury PL 3d, et al. **Arch Otolaryngol** 1984 Feb;110(2):106–7

Use of patient's natural crown as the pontic in a composite resin–retained temporary bridge. Daly CG, et al. **Aust Dent J** 1983 Oct;28(5):301–3

The FDI two-digit system of designating teeth. Sandham JA. **Int Dent J** 1983 Dec;33(4):390–2

Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1984 Apr;63(4):487–609

International Association for Dental Research. IADR Abstracts 1984. **J Dent Res** 1984 Mar;63 Spec No:163–362

Ectopic teeth in an ovarian cyst. Katz SH. **Oral Surg** 1983 Nov;56(5):563

[Removal of a large aspirated foreign body using the fiber bronchoscope] Gentz HD, et al. **Prax Klin Pneumol** 1984 Apr;38(4):145–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Low-level lead exposure in childhood influences neuropsychological performance. Marecek J, et al. **Arch Environ Health** 1983 Nov–Dec;38(6):355–9

Sampling of porous hard tissues in vitro by acid etching. Patterson CM, et al. **Caries Res** 1984;18(3):231–6

Studies on lead pollution: atomic absorption spectrophotometric determination of lead in hair and teeth samples. Shrivastava AK, et al. **Int J Environ Anal Chem** 1984;17(3–4):293–8

The distribution of fibronectin in rat tooth and periodontal tissues: an immunofluorescence study using a monoclonal antibody. Connor NS, et al. **J Histochem Cytochem** 1984 Jun;32(6):565–72

Strontium and dental caries. **Nutr Rev** 1983 Nov;41(11):342–4

[Determination of fluoride, phosphorus and calcium in teeth after fluoridation of water supply] Li LX. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):182–4 **(Chi)**

[Quantitative determination of the strength properties and solubility behavior of hard dental tissue in the micro ranges] Gabriel E, et al. **Dtsch Zahnarztl Z** 1983 Dec;38(12):1097–9 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Mixed-dentition mandibular arch length analysis: a step-by-step approach using the revised Hixon–Oldfather prediction method. Bishara SE, et al. **Am J Orthod** 1984 Aug;86(2):130–5

Dentofacial adaptations in adult patients following functional regulator therapy. McNamara JA Jr. **Am J Orthod** 1984 Jan;85(1):57–71

Inbreeding effects on dental morphometrics in Papio hamadryas. Baume RM, et al. **Am J Phys Anthropol** 1983 Oct;62(2):129–35

Dental formulae and dental eruption patterns in Parapithecidae (Primates, Anthropoidea). Kay RF, et al. **Am J Phys Anthropol** 1983 Dec;62(4):363–75

Relative cheek-tooth size in Australopithecus. McHenry HM. **Am J Phys Anthropol** 1984 Jul;64(3):297–306

Dental morphology and odontometry of the Tibetan immigrants. Sharma JC. **Am J Phys Anthropol** 1983 Aug; 61(4):495–505

Crown dimensions of deciduous and permanent teeth of Jats from Haryana (India). Kaul V, et al. **Ann Hum Biol** 1984 Jul–Aug;11(4):351–4

Dental morphology of a Griqua skeletal population. Kieser JA. **Anthropol Anz** 1984 Jun;42(2):93–9

The inorganic content of pleromin in tooth plates of the living holocephalan, Chimaera phantasma, consists of a crystalline calcium phosphate known as beta-Ca3(PO4)2 (whitlockite). Ishiyama M, et al. **Arch Histol Jpn** 1984 Mar; 47(1):89–94

The influence of crown size dimorphism on sex differences in the Carabelli trait and the canine distal accessory ridge in man. Noss JF, et al. **Arch Oral Biol** 1983;28(6):527–30

Australopithecus and the origin of the genus Homo: aspects of biometry and systematics with accompanying catalog of tooth metric data. Blumenberg B, et al. **Biosystems** 1983; 16(2):127–67 (97 ref.)

Reproducibility of an index for recording the alignment of individual teeth. Lau D, et al. **Br J Orthod** 1984 Apr; 11(2):80–4

Tooth size in children with cleft lip and palate. Peterka M, et al. **Cleft Palate J** 1983 Oct;20(4):307–13

New primate fossils from late Oligocene (Colhuehuapian) localities of Chubut Province, Argentina. Fleagle JG, et al. **Folia Primatol (Basel)** 1983;41(3–4):240–66

Age-induced changes in the teeth and their attachment apparatus. Ketterl W. **Int Dent J** 1983 Sep;33(3):262–71

An example of a 46,XX infertile man and his permanent tooth sizes. Mićić S, et al. **Int J Fertil** 1983;28(3):165–8

Evolution and mammalian dental morphology. Butler PM. **J Biol Buccale** 1983 Dec;11(4):285–302 (189 ref.)

Teaching dental anatomy with light-activated resins. Chalkley Y, et al. **J Dent Educ** 1984 Apr;48(4):211–2

Plaque pH measurements by different methods on the buccal and approximal surfaces of human teeth after a sucrose rinse. Jensen ME, et al. **J Dent Res** 1983 Oct;62(10):1058–61

Fissure removal and needle scraping for evaluation of the bacteria in occlusal fissures of human teeth. Meiers JC, et al. **J Dent Res** 1984 Aug;63(8):1051–5

The relationship of occlusal wear to occlusal contact area. Russell MD, et al. **J Oral Rehabil** 1983 Sep;10(5):383–91

Relationship between proximal tooth open contacts and periodontal disease. Jernberg GR, et al. **J Periodontol** 1983 Sep;54(9):529–33

Setting artificial acrylic resin teeth in occlusion with natural teeth. Sherman JR Jr. **J Prosthet Dent** 1984 May;51(5):722

Ramapithecines from China: evidence from tooth dimensions. Wu RK, et al. **Nature** 1983 Nov 17–23;306(5940):258–60

Clinical evaluation of a new method for determining tooth length without radiographs. Negm MM. **Oral Surg** 1983 Oct;56(4):415–20

[Survey on the relationship between the width of mouth and upper anterior teeth] Xue M. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):237–9

(Chi)
[Anthropological study of the dentition of the pre-Hispanic population of Grand Canary Island] de Castro JM. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):11-29 (Eng. Abstr.) (Fre)
[Lengthening the clinical crown. How and why?] Meyer J. **Rev Odontostomatol (Paris)** 1984 Mar-Apr;13(2):105-8 (Fre)
[Histological processing of hard tissue structures through a combination of 3 methods and the possibility of the subsequent preparation of non-decalcified 5-10 micron thin sections] Ewers R, et al. **Dtsch Zahnarztl Z** 1983 Dec; 38(12):1085-9 (Eng. Abstr.) (Ger)
[In vivo studies of the surface roughness of teeth in mixed dentition] Kaudewitz W, et al. **Dtsch Zahnarztl Z** 1983 Dec; 38(12):1090-2 (Eng. Abstr.) (Ger)
[Local differences in the roughness of the surfaces of extracted teeth] Mierau HD, et al. **Dtsch Zahnarztl Z** 1983 Dec;38(12):1093-6 (Eng. Abstr.) (Ger)
[Crown measurements of the upper molars and distances between crown surface and dental pulp chamber] Götz G, et al. **Fogorv Sz** 1984 Mar;77(3):83-7 (Eng. Abstr.) (Hun)
[Tooth color appearance under various types of conventional light sources] Ohta T. **Kokubyo Gakkai Zasshi** 1983 Sep; 50(3):450-65 (Eng. Abstr.) (Jpn)
[Tooth movement (histological changes)] da Cruz JP. **Rev Port Estomatol Clr Maxilofac** 1982 Jan-Mar; 23(1):63-88 (Por)

DRUG EFFECTS

[Changes in tooth morphology as affected by fluoridated drinking water] Jonas I, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):399-408 (Eng. Abstr.) (Ger)
[Boron contact dentography--a new method for the objective recording of patient behavior at various stages in dental treatment] Svishcheva AM, et al. **Stomatologiia (Mosk)** 1983 Nov-Dec;62(6):24-6 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Basal lamina persistence during epithelial-mesenchymal interactions in murine tooth development in vitro. Slavkin HC, et al. **J Craniofac Genet Dev Biol** 1983;3(4):387-407

ENZYMOLOGY

Phosphoglucomutase isoenzymes in human teeth. Whittaker DK, et al. **Forensic Sci Int** 1984 Mar;24(3):219-23

GROWTH & DEVELOPMENT

Formation of the permanent dentition in Arikara Indians: timing differences that affect dental age assessments. Owsley DW, et al. **Am J Phys Anthropol** 1983 Aug; 61(4):467-71
Differential growth and healing of bones and teeth. Sarnat BG. **Clin Orthop** 1984 Mar;(183):219-37
Dental development assessed by tooth counts and its correlation to somatic development during puberty. Hägg U, et al. **Eur J Orthod** 1984 Feb;6(1):55-64
Effects of salmon calcitonin on growth of teeth and on extraction socket healing in young rats. Gürkan L, et al. **Scand J Dent Res** 1983 Dec;91(6):425-30

IMMUNOLOGY

Localization of H-2Kk in developing mouse teeth using monoclonal antibody. Jaskoll T, et al. **J Craniofac Genet Dev Biol** 1984;4(2):143-9

INJURIES

The effect of orthodontic extrusion on traumatically intruded teeth. Turley PK, et al. **Am J Orthod** 1984 Jan;85(1):47-56
Root resorption following impact injuries. Keath CW, et al. **Can Dent Assoc J** 1983 Nov;49(11):785-7
Dental and maxillofacial injuries. Hildebrandt JR. **Clin Sports Med** 1982 Nov;1(3):449-68 (48 ref.)
Oral trauma to the preschool child. Hill CJ. **Dent Clin North Am** 1984 Jan;28(1):177-86
Ondontecrexis--the effects of rapid decompression on restored teeth. Calder IM, et al. **J Dent** 1983 Dec; 11(4):318-23
The treatment of traumatic injuries to the teeth of children. Davis MJ. **NY J Dent** 1984 Feb;54(2):65-7
[Bucco-dental injuries at the Dakar Odontostomatology Institute] Moreau JL, et al. **Dakar Med** 1983;28(3):469-82 (Eng. Abstr.) (Fre)
[Maxillodentofacial pathology and traumatology in skin diving and wind surfing] Re G, et al. **Minerva Stomatol** 1984 Mar-Apr;33(2):375-6 (Eng. Abstr.) (Ita)

INNERVATION

Effects of ammonia and organic acids on the intradental sensory nerve activity. Panopoulos P, et al. **Acta Odontol Scand** 1983 Aug;41(4):209-15
An electrophysiological study of the reinnervation of reimplanted and autotransplanted teeth in the cat. Robinson PP. **Arch Oral Biol** 1983;28(12):1139-47
Accessory innervation of mandibular anterior teeth in cats: a horseradish peroxidase study. Wilson S, et al. **Brain Res** 1984 Apr 30;298(2):392-6
Ultrastructural study of transganglionic degeneration following dental lesions. Johnson LR, et al. **Exp Brain Res** 1983;52(2):226-34
Dental sensory receptors. Byers MR. **Int Rev Neurobiol** 1984; 25:39-94

METABOLISM

Vitamin-D-dependent calcium-binding-protein and parvalbumin occur in bones and teeth. Celio MR, et al. **Calcif Tissue Int** 1984 Jan;36(1):129-30
Distribution of keratin and laminin in ameloblastoma. Comparison with developing tooth and epidermoid carcinoma. Thesleff I, et al. **J Oral Pathol** 1984 Feb; 13(1):85-96
[Kinetics of fluoride uptake and release from different chemical binding types in tooth models] Henschler D. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S14-8 (Eng. Abstr.) (Ger)
[Are tetracyclines bound in the dental hard tissue and bones antimicrobially effective?] Radtke G. **Zahn Mund Kieferheilkd** 1983;71(8):799-803 (Eng. Abstr.) (Ger)
[Radioautographic study of tooth growth and the functional activity of cells during of eruption] Kalion PT, et al. **Fiziol Zh** 1983 Sep-Oct;29(5):628-31 (Rus)

MICROBIOLOGY

Light- and electron-microscopic study of the microbial deposits present on the tongue and dentition of macropods. Beighton D, et al. **Arch Oral Biol** 1983;28(5):459-64
Stability of Streptococcus mutans and its relationship to caries in a child population over 2 years. Burt BA, et al. **Caries Res** 1983;17(6):532-42
The effect of chlorhexidine on the colonization of the human and rat dentition by Actinomyces viscosus. de Jong MH, et al. **Caries Res** 1984;18(3):209-15

PATHOLOGY

Necrotizing ulcerative gingivitis in beagle dogs. II. Histologic characteristics of NUG in relation to interproximal contacts. Hug HU, et al. **J Periodont Res** 1984 Jan; 19(1):89-99
Post-mortem pink teeth. Clark DH, et al. **Med Sci Law** 1984 Apr;24(2):130-4
The importance of the dental exam. Harrell RM. **NC Med J** 1983 Aug;44(8):505-6

PHYSIOLOGY

Modification of human dental pain thresholds by conditioning vibrotactile stimulation at high frequency. Kemppainen P. **Arch Oral Biol** 1983;28(10):959-62
The influence of clenching level on the post-stimulus EMG complex, including silent periods, of the masseter muscles in man. van der Glas HW, et al. **Arch Oral Biol** 1984; 29(1):51-8
Vibratory stimulation to the teeth as a communication aid for profoundly deaf persons. Galera-Garcia C. **Int J Neurosci** 1983 Nov;21(3-4):293-4
Surface temperature of oral tissues. A review. Spierings TA, et al. **J Biol Buccale** 1984 Jun;12(2):91-9 (25 ref.)
The influence of restorative dental materials on heat transmission in human teeth. Spierings TA, et al. **J Dent Res** 1984 Aug;63(8):1096-100
A comparison of photoelastic and finite element stress analysis in restored tooth structures. de Vree JH, et al. **J Oral Rehabil** 1983 Nov;10(6):505-17
Influence of experimental interfering occlusal contacts on the activity of the anterior temporal and masseter muscles during mastication. Riise C, et al. **J Oral Rehabil** 1984 Jul; 11(4):325-33
A clinical study of the distribution of occlusal tooth contacts in the intercuspal position at light and hard pressure in adults. Riise C, et al. **J Oral Rehabil** 1983 Nov;10(6):473-80
Daily variations in occlusal contacts. Berry DC, et al. **J Prosthet Dent** 1983 Sep;50(3):386-91
A method to determine occlusal contact and noncontact areas: preliminary report. Millstein PL. **J Prosthet Dent** 1984 Jul;52(1):106-10
Effects of occlusal guidance on jaw muscle activity. Shupe RJ, et al. **J Prosthet Dent** 1984 Jun;51(6):811-8
[Measurements of dental stress resistance at various stages in aging] Voelker H, et al. **Dtsch Zahnarztl Z** 1984 Jan; 39(1):54-9 (Eng. Abstr.) (Ger)
[Tooth movement--the dento-alveolar system from a biomechanical viewpoint] Martinko V. **Fortschr Kieferorthop** 1984 Feb;45(1):1-8 (Eng. Abstr.) (Ger)
[Bone deformation due to axial and transverse force on the teeth] Schmitt W, et al. **Fortschr Kieferorthop** 1984 Feb; 45(1):9-14 (Eng. Abstr.) (Ger)
[Tooth movement during loading] Saito R. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):568-87 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Idiopathic, late, slow, and irregular dental development: report of case. Bimstein E, et al. **ASDC J Dent Child** 1984 Jul-Aug;51(4):302-4
[Functional value of devitalized teeth] Papić O, et al. **Med Pregl** 1982;35(11-12):425-6 (Eng. Abstr.) (Scr)

RADIATION EFFECTS

Dental and maxillofacial abnormalities in long-term survivors of childhood cancer: effects of treatment with chemotherapy and radiation to the head and neck. Jaffe N, et al. **Pediatrics** 1984 Jun;73(6):816-23
[Effects of 60Co irradiation on dento-gnathic system of rats] Zhang KH. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep; 18(3):137-40 (Chi)
[Irradiation of the maxillofacial area. Preventive measures] Niederdellmann H, et al. **Strahlentherapie [Sonderb]** 1984; 78:114-9 (Ger)

RADIOGRAPHY

An artefact produced by rotational tomographic radiography. Browne R. **Br Dent J** 1984 May 19;156(10):368

TRANSPLANTATION

Tooth transplantation with the periodontium intact: a histometric analysis. Lesar CG, et al. **Am J Orthod** 1984 Mar;85(3):260-6
A clinical and radiographic evaluation of cultivated and autotransplanted human teeth. Thomsson M, et al. **Int J Oral Surg** 1984 Jun;13(3):211-20
Skin graft rejection after allogeneic tooth transplants in mice. Riviere GR. **J Dent Res** 1984 Jan;63(1):41-3
Responses of periodontal tissues and cementum following transplantation of teeth. Monsour FN, et al. **J Oral Maxillofac Surg** 1984 Jul;42(7):441-6
Proliferation of pulpal tissues following early transplantation of developing teeth. Monsour FN, et al. **J Oral Maxillofac Surg** 1983 Nov;41(11):738-42
[Surgico-prosthetic rehabilitation in partial edentulousness] Skundrić A, et al. **Med Pregl** 1982;35(11-12):473-4 (Eng. Abstr.) (Scr)

ULTRASTRUCTURE

Dental microwear in adult and still-born guinea pigs (Cavia porcellus). Teaford MF, et al. **Arch Oral Biol** 1983; 28(11):1077-81
New methods for cathodoluminescence in the scanning electron microscope. Boyde A, et al. **Scan Electron Microsc** 1983;(Pt 4):1803-14
[Scanning electron microscopy study of the gingivo-dental attachment at the level of the epithelial junction] Garberoglio R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):157-66 (Eng. Abstr.) (Fre)

TOOTH ABNORMALITIES

The development and significance of septal and dental deformity from birth to eight years. Gray LP. **Int J Pediatr Otorhinolaryngol** 1983 Dec;6(3):265-77
[Dental anomalies from the records of a district dentist. 2. Taurodontism] Sárhegyi J. **Fogorv Sz** 1984 Mar;77(3):79-82 (Eng. Abstr.) (Hun)

CLASSIFICATION

Classification and genetics of numeric anomalies of dentition. Burzynski NJ, et al. **Birth Defects** 1983;19(1):95-106 (65 ref.)

COMPLICATIONS

A congenitally missing canine in association with other dental disturbances: report of two cases. Bazan MT. **ASDC J Dent Child** 1983 Sep-Oct;50(5):382-4

DIAGNOSIS

The dentist and the dentition. Dummett CO Jr. **Birth Defects** 1983;19(1):3-12
[Synodontias and schizodontias. Apropos of cases observed at the Institute of Odonto-Stomatology] Moreau JL, et al. **Dakar Med** 1983;28(4):643-52 (Eng. Abstr.) (Fre)
[K.G.B. syndrome: review of the literature and presentation of a case] Novembri A, et al. **Arch Putti Chir Organi Mov** 1983;33:423-30 (Eng. Abstr.) (Ita)

ETIOLOGY

Tooth morphology in Down's syndrome: evidence for retardation in growth. Townsend GC, et al. **J Ment Defic Res** 1983 Sep;27 (Pt 3):159-69
An unusual oral complication of herpes zoster infection. Smith S, et al. **Oral Surg** 1984 Apr;57(4):388-9
[Anomalies of permanent teeth after rubella embryopathy] Fleischer-Peters A, et al. **Dtsch Zahnarztl Z** 1983 Dec; 38(12):1060-5 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Tricho-dento-osseous syndrome: heterogeneity or clinical variability. Shapiro SD, et al. **Am J Med Genet** 1983 Oct; 16(2):225-36
A unifying aetiological explanation for anomalies of human tooth number and size. Brook AH. **Arch Oral Biol** 1984; 29(5):373-8
A potpourri of syndromes with anomalies of dentition.

Shapiro SD, et al. **Birth Defects** 1983;19(1):129–40
Rieger's syndrome. Pang GX, et al. **Chin Med J [Engl]** 1984 Jan;97(1):29–31
The Nance–Horan syndrome: a rare X-linked ocular–dental trait with expression in heterozygous females. Bixler D, et al. **Clin Genet** 1984 Jul;26(1):30–5
Mental retardation, short stature, minor skeletal anomalies, craniofacial dysmorphism and macrodontia in two sisters and their mother. Another variant example of the KBG syndrome? Fryns JP, et al. **Clin Genet** 1984 Jul;26(1):69–72
Dermoodontodysplasia: an eleven-member, four generation pedigree with an apparently hitherto undescribed pure ectodermal dysplasia. Pinheiro M, et al. **Clin Genet** 1983 Jul;24(1):58–68

OCCURRENCE

Carabelli's anomaly in a Karnataka town of south India. Reddy VR. **Acta Anthropogenet** 1983;7(1):53–74
Dental anomalies in children: a clinical and radiographic survey. Buenviaje TM, et al. **ASDC J Dent Child** 1984 Jan–Feb;51(1):42–6
Oral anomalies in Nigerian children. Sawyer DR, et al. **Community Dent Oral Epidemiol** 1984 Aug;12(4):269–73
[Dens evaginatus. Review of the literature and case report] Kocsis SG. **Fogorv Sz** 1984 May;77(5):142–6 (Eng. Abstr.) **(Hun)**
[Dentition abnormalities in the practice of a general practitioner. I. Transposition of teeth] Sárhegyi J. **Fogorv Sz** 1983 Jul;76(7):217–20 **(Hun)**
[Incidence of oral developmental anomalies in children with abnormalities of various organs] Knychalska-Karwan Z, et al. **Pediatr Pol** 1983 Nov;58(11):857–64 (Eng. Abstr.) **(Pol)**
[Maxillodental anomalies in the Portuguese pediatric population] da Cruz JP. **Rev Port Estomatol Clr Maxilofac** 1982 Jul–Sep; 23(3):325–45 **(Por)**

PATHOLOGY

Taurodontism: clinical management and report of case. Fuks AB, et al. **ASDC J Dent Child** 1983 Jul–Aug;50(4):296–9
Osteogenesis imperfecta congenita: dental features of a rare disease. Dean DH, et al. **J Oral Med** 1984 Apr–Jun; 39(2):119–21
[Rare case of hypertaurodontism] Moreau JL. **Rev Stomatol Chir Maxillofac** 1984;85(3):245–7 (Eng. Abstr.) **(Fre)**
[Odontomas and pan-tonal hearing loss in the otodental syndrome] Beck-Mannagetta J, et al. **Dtsch Zahnarztl Z** 1984 Mar;39(3):232–41 (Eng. Abstr.) **(Ger)**
[A tricho-odonto-onychial subtype of ectodermal dysplasia] Kresbach H, et al. **Z Hautkr** 1984 May 1;59(9):601–13 (Eng. Abstr.) **(Ger)**
[Dento-maxillo-facial anomalies in the KBG syndrome] Tollaro I, et al. **Minerva Stomatol** 1984 May–Jun; 33(3):437–46 (Eng. Abstr.) **(Ita)**
[Hypohidrotic ectodermal dysplasia—medicodental aspects] Magalhães A, et al. **Rev Port Estomatol Clr Maxilofac** 1981 Jul–Sep;22(3):305–32 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

[Role of function in the development of dentition deformity] Gavrilov EI, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):85–8 **(Rus)**

RADIOGRAPHY

Fused supernumerary tooth. Chapman KW, et al. **Oral Surg** 1984 Jul;58(1):119
Median incisor fusion. Fujita H, et al. **Oral Surg** 1984 May; 57(5):578–9
Gemination. Patel JR. **Oral Surg** 1984 Feb;57(2):232

SURGERY

The treatment of fusion of a maxillary central incisor and a supernumerary: report of a case. Maréchaux SC. **ASDC J Dent Child** 1984 May–Jun;51(3):196–9
[Combined endodontic and apical surgery therapy in a case of dens invaginatus] Marini R. **Minerva Stomatol** 1983 Jul–Aug;32(4):557–60 (5 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Dens evaginatus and its management. Hill FJ, et al. **Br Dent J** 1984 Jun 9;156(11):400–2
[The need for treatment of tooth and jaw position anomalies in 9-year-old Bern schoolchildren] Ratschiller UP, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):445–52 (Eng. Abstr.) **(Ger)**

VETERINARY

Dental abnormalities in free-ranging Cape mountain zebras (Equus zebra zebra). Penzhorn BL. **J Wildl Dis** 1984 Apr; 20(2):161–6

TOOTH ABRASION

Surface microstructure of composite resins after toothbrush-dentifrice abrasion. Ehrnford L. **Acta Odontol Scand** 1983 Aug;41(4):241–5

CHEMICALLY INDUCED

[SEM study of the action of modern abrasive and polishing products] Perotti R, et al. **Minerva Stomatol** 1983 Sep–Oct; 32(5):669–75 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

An index for measuring the wear of teeth. Smith BG, et al. **Br Dent J** 1984 Jun 23;156(12):435–8
An international collaborative study of laboratory methods for assessing abrasivity to dentin. Hefferren JJ, et al. **J Dent Res** 1984 Sep;63(9):1176–9

ETIOLOGY

A comparison of patterns of tooth wear with aetiological factors. Smith BG, et al. **Br Dent J** 1984 Jul 7;157(1):16–9
Cervical erosion [letter] Lee WC, et al. **J Am Dent Assoc** 1983 Oct;107(4):550
Hominoid dental microwear: complications in the use of microwear analysis to detect diet. Gordon KD. **J Dent Res** 1984 Aug;63(8):1043–6
Dentifrice abrasivity. The use of laser light and supplemental techniques for characterizing toothpastes containing different abrasives. An in vitro study. Redmalm G, et al. **Swed Dent J** 1984;8(2):57–66
[Experimental studies of the abrasion effect between dental enamel and dental ceramic] Körber KH, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):2–11 (Eng. Abstr.) **(Ger)**
[Occupationally caused abrasion lesions in stone masons and stone cutters] Ring AL. **Dtsch Zahnarztl Z** 1984 Jan; 39(1):36–42 (Eng. Abstr.) **(Ger)**

HISTORY

Quantitative differences in dental microwear between primate species with different diets and a comment on the presumed diet of Sivapithecus. Teaford MF, et al. **Am J Phys Anthropol** 1984 Jun;64(2):191–200

PATHOLOGY

Microfracture patterns of abrasive wear striations on teeth indicate directionality. Gordon KR. **Am J Phys Anthropol** 1984 Mar;63(3):315–22

PHYSIOPATHOLOGY

The relationship of occlusal wear to occlusal contact area. Russell MD, et al. **J Oral Rehabil** 1983 Sep;10(5):383–91

PREVENTION & CONTROL

[The abrasion-resistant plastic tooth. 2. The effect of various quartz pretreatments on the properties of reinforced Keracryl-7 teeth] Tappe A, et al. **Zahn Mund Kieferheilkd** 1984;72(2):147–53 (Eng. Abstr.) **(Ger)**

THERAPY

[Prosthetic restoration of extensive abrasion caused by partial tooth loss (case report)] Szöke A, et al. **Fogorv Sz** 1983 Jul;76(7):199–201 (Eng. Abstr.) **(Hun)**

TOOTH APEX see **TOOTH ROOT**

TOOTH, ARTIFICIAL

see related
ACRYLIC RESINS
DENTAL PORCELAIN

Resistance to bacteria of plastics used in dental practice. Orsós M, et al. **Acta Microbiol Hung** 1983;30(3–4):255–8
Theories of posterior tooth selection: porcelain versus acrylic. Appelbaum M. **Dent Clin North Am** 1984 Apr; 28(2):299–306
Denture aesthetics: an evaluation of laymen's preferences. Marunick MT, et al. **J Oral Rehabil** 1983 Sep;10(5):399–406
The effect of posterior tooth form on the chewing cycle in the frontal plane. Drago CJ, et al. **J Prosthet Dent** 1984 Apr;51(4):564–70
Wear of nonanatomic (monoplane) acrylic resin denture teeth. Khan Z, et al. **J Prosthet Dent** 1984 Aug;52(2):172–4
A practical approach to restoring occlusion for edentulous patients. Part I: Guiding principles of tooth selection. Lang BR, et al. **J Prosthet Dent** 1983 Oct;50(4):455–8
Improved occlusal equilibration of complete dentures by augmenting occlusal anatomy of acrylic resin denture teeth. Ruffino AR. **J Prosthet Dent** 1984 Aug;52(2):300–2
Setting artificial acrylic resin teeth in occlusion with natural teeth. Sherman JR Jr. **J Prosthet Dent** 1984 May;51(5):722
Comparative observations of the use of cusp and zero-degree posterior teeth. Shetty NS. **J Prosthet Dent** 1984 Apr; 51(4):459–60
Fabrication of a posterior shade guide for removable partial dentures. Sykora O. **J Prosthet Dent** 1983 Aug;50(2):287–8
[Chemical and physical removal of working waxes from the surfaces of artificial teeth. Preliminary observations] Scotti R, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):317–28 (Eng. Abstr.) **(Ita)**

HISTORY

Dentists in the rare books. Joseph Audibran and incorruptible artificial teeth. Sugden KC. **Br Dent J** 1983 Dec 24; 155(12):420

STANDARDS

[The abrasion-resistant plastic tooth. 2. The effect of various quartz pretreatments on the properties of reinforced Keracryl-7 teeth] Tappe A, et al. **Zahn Mund Kieferheilkd** 1984;72(2):147–53 (Eng. Abstr.) **(Ger)**
[Study on occlusal wear of metal, porcelain and resin artificial posterior teeth] Noge A. **Kokubyo Gakkai Zasshi** 1984 Mar; 51(1):124–36 (Eng. Abstr.) **(Jpn)**

TOOTH AVULSION see **TOOTH LUXATION**

TOOTH BLEACHING

External cervical resorption after bleaching a pulpless tooth. Montgomery S. **Oral Surg** 1984 Feb;57(2):203–6
[Clinical application of bleach therapy to pulpless and discolored tooth—report of 92 cases] Wang YZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):215–6 **(Chi)**

ADVERSE EFFECTS

Toothbleaching hazards [letter] Braterman PS, et al. **Br Dent J** 1983 Dec 10;155(11):369

METHODS

Non-vital bleaching—internal and external. Boksman L, et al. **Aust Dent J** 1983 Jun;28(3):149–52
Esthetics enhanced with electrosurgery. Strong D. **NY State Dent J** 1984 Jun–Jul;50(6):358–9

TOOTH CALCIFICATION

Tooth mineralisation relative to somatic growth retardation in the rat. Park AW. **Acta Morphol Neerl Scand** 1984 Mar; 22(1):53–73
Premature mineralization of permanent canines associated with aplasia of their primary predecessors: report of four cases. Ranta R. **ASDC J Dent Child** 1983 Jul–Aug; 50(4):274–7
Some physicochemical phenomena affecting demineralization and remineralization: a review. Savage NW. **Aust Dent J** 1983 Aug;28(4):215–20
The significance of remineralization in caries prevention. Silverstone LM. **Can Dent Assoc J** 1984 Feb;50(2):157–67
In vivo remineralization of etched human and rat enamel. Gängler P, et al. **Caries Res** 1984;18(4):336–43
Microradiography of in vivo remineralized lesions in human enamel. II. Gelhard TB, et al. **J Biol Buccale** 1984 Mar; 12(1):59–65
In vivo remineralization of artificial subsurface lesions in human enamel. I. Gelhard TB, et al. **J Biol Buccale** 1984 Mar;12(1):49–57
Studies of alkaline phosphatase inhibition by p-bromotetramisole in non-mineralizing and mineralizing neonatal hamster tooth germs in vitro. Lyaruu DM, et al. **J Biol Buccale** 1983 Dec;11(4):347–53
The formation and remineralization of artificial white spot lesions: a constant composition approach. de Rooij JF, et al. **J Dent Res** 1984 Jun;63(6):864–7
In vivo remineralization of human enamel and dental calculus formation. Hoyer I, et al. **J Dent Res** 1984 Sep;63(9):1136–9
[Microanalytical determination of the Ca/P ratio in the de- and remineralization of human dental enamel] Kraft U, et al. **Zahn Mund Kieferheilkd** 1984;72(4):305–10 (Eng. Abstr.) **(Ger)**
[Mineralization and growth of the incisors and molars of laboratory mammals] Radtke G, et al. **Zahn Mund Kieferheilkd** 1983;71(8):804–9 (Eng. Abstr.) **(Ger)**
[Incidence and intensity of caries of the permanent dentition during the period of mineralization in Arkhangelsk children depending on the fluorine content in the drinking water] Zanovskii VP, et al. **Gig Sanit** 1983 Jul;(7):55–7 **(Rus)**
[Characteristics of the mineralizing function of saliva] Leont'ev VK. **Stomatologiia (Mosk)** 1983 Nov–Dec; 62(6):5–8 (Eng. Abstr.) **(Rus)**
[Decalcination characteristics of enamel with various levels of mineralization] Vershinina OI, et al. **Stomatologiia (Mosk)** 1984 Jan–Feb;63(1):15–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of an APF pretreatment on in vitro remineralization of initial enamel lesions. Boddé HE, et al. **Caries Res** 1984; 18(4):344–7
Anti-cariogenic and remineralizing properties of xylitol in combination with sucrose in rats inoculated with Streptococcus mutans. Havenaar R, et al. **Caries Res** 1984; 18(3):269–77
Enamel remineralization using an amine-fluoride containing tooth paste—a pilot study in vivo. Arends J, et al. **Dtsch Zahnarztl Z** 1983;38 Suppl 1:S27–30
The influence of a single fluoride treatment (1 000 ppm) on in vitro remineralization of initial enamel lesions. Bodde HE, et al. **J Biol Buccale** 1983 Dec;11(4):355–62
Effect of oxygen tension on matrix formation and mineralization in hamster molars during development in

vitro. Bronckers AL. **J Biol Buccale** 1983 Sep; 11(3):195–207

The effect of enamel de- and remineralization on permeability to iodide and urea. Amdur BH, et al. **J Dent Res** 1983 Oct;62(10):1067–8

Acceleration of remineralization in vitro by sodium monofluorophosphate and sodium fluoride. Mellberg JR, et al. **J Dent Res** 1984 Sep;63(9):1130–5

Remineralization of softened human enamel in mucin- or CMC-containing artificial salivas. Gelhard TB, et al. **J Oral Pathol** 1983 Oct;12(5):336–41

[Remineralization of acid-etched dental enamel—a methodological comparison of in vitro simulation on bovine enamel] Hoyer I, et al. **Zahn Mund Kieferheilkd** 1983; 71(7):675–82 (Eng. Abstr.) **(Ger)**

[The role of carbohydrates in the demineralization process] Tarján I, et al. **Fogorv Sz** 1984 May;77(5):151–6 (Eng. Abstr.) **(Hun)**

[Effect of remineralization therapy on enamel mineralization processes and permeability] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):7–10 (Eng. Abstr.) **(Rus)**

[Prevention of dental caries in schoolchildren and students using preparations with remineralizing action] Sinitsyn RG, et al. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):77–9 (Eng. Abstr.) **(Rus)**

TOOTH CROWDING see **MALOCCLUSION**

TOOTH, DECIDUOUS

see related
DENTITION

A modified class III cavity preparation and composite resin filling technique for primary incisors. McEvoy SA. **Dent Clin North Am** 1984 Jan;28(1):145–55

Restoration of primary teeth with amalgam. Mathewson RJ. **Dent Clin North Am** 1984 Jan;28(1):137–43

Two principles for improving the adaptation of stainless steel crowns to primary molars. Spedding RH. **Dent Clin North Am** 1984 Jan;28(1):157–75

[Treatment of pulp inflammation in deciduous teeth] Herbert H. **Rev Odontostomatol (Paris)** 1983 Sep–Oct;12(5):355–9 **(Fre)**

[Hybrid pulpitis in deciduous teeth. Etiopathogenesis and therapy] Py G, et al. **Rev Odontostomatol (Paris)** 1983 Sep–Oct;12(5):351–4 **(Fre)**

[Effect of birth weight on the time of tooth eruption] Sommer B, et al. **Arztl Jugendkd** 1984 Jun;75(3):153–8 (Eng. Abstr.) **(Ger)**

[Findings in 'nursing-bottle caries'] Weyers H. **Dtsch Zahnarztl Z** 1983 Jul;38(7):722–6 (Eng. Abstr.) **(Ger)**

[Possibilities of preserving the pulp in deciduous teeth with varying degrees of carious process] Salfullina KhM, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):16–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Hypodontia, hyperodontia, and double formation of primary teeth in Iceland. An epidemiological study. Magnússon TE. **Acta Odontol Scand** 1984 Jun;42(3):137–9

An analysis of the Carabelli trait in the mixed deciduous and permanent human dentition. Kieser JA. **Arch Oral Biol** 1984;29(6):403–6

Premature mineralization of permanent canines associated with aplasia of their primary predecessors: report of four cases. Ranta R. **ASDC J Dent Child** 1983 Jul–Aug; 50(4):274–7

The distribution of anomalies of primary anterior teeth and their effect on the permanent successors. Gellin ME. **Dent Clin North Am** 1984 Jan;28(1):69–80

ANALYSIS

Analysis of lead in circumpulpal dentin of deciduous teeth. Grandjean P, et al. **Ann Clin Lab Sci** 1984 Jul–Aug; 14(4):270–5

SIMS analysis of deciduous enamel from normal full-term infants, low birth weight infants and from infants with congenital hypothyroidism. Norén JG, et al. **Caries Res** 1984;18(3):242–9

Secondary ion mass spectrometry of human deciduous enamel. Distribution of Na, K, Mg, Sr, F and Cl. Norén JG, et al. **Caries Res** 1983;17(6):496–502

Prediction models for 90Sr in shed deciduous teeth and infant bone. Aarkrog A. **Health Phys** 1971 Dec;21(6):803–9

Lead content of deciduous molar enamel in Finland, as measured by proton-induced X-ray emission. Järvinen V, et al. **Scand J Work Environ Health** 1984 Apr;10(2):103–7

ANATOMY & HISTOLOGY

Enamel structure in deciduous teeth from low-birth-weight infants. Norén JG. **Acta Odontol Scand** 1983 Dec; 41(6):355–62

Crown dimensions of deciduous and permanent teeth of Jats from Haryana (India). Kaul V, et al. **Ann Hum Biol** 1984 Jul–Aug;11(4):351–4

Fluctuating asymmetry in the deciduous dentition of Dominican mulatto children. Townsend GC, et al. **Arch Oral Biol** 1984;29(7):483–6

Some observations on spacing in the normal deciduous dentition of 100 Indian children from Gujarat. Joshi MR, et al. **Br J Orthod** 1984 Apr;11(2):75–9

A histologic comparison of Hydron and zinc oxide–eugenol as endodontic filling materials in the primary teeth of dogs. Woods RL, et al. **Oral Surg** 1984 Jul;58(1):82–93

[Anthropological study of the dentition of the pre-Hispanic population of Grand Canary Island] de Castro JM. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):11–29 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Cyclical uptake pattern of tetracycline in post-secretory maturation phase enamel demonstrated in rooted teeth. Boyde A, et al. **Calcif Tissue Int** 1983 Sep;35(6):762–6

DRUG EFFECTS

Phenytoin-induced gingival overgrowth resulting in delayed eruption of the primary dentition. A case report. Church LF Jr, et al. **J Periodontol** 1984 Jan;55(1):19–21

EMBRYOLOGY

Changes in size, morphology and weight of human anterior teeth during the fetal period. Deutsch D, et al. **Growth** 1984 Spring;48(1):74–85

GROWTH & DEVELOPMENT

The development of the human interradicular dentine as revealed by tetracycline-labelling. Ooë T, et al. **Arch Oral Biol** 1984;29(4):257–62

[Cross-sectional epidemiological study of the development and dental status of school-age subjects in Palermo. A comparative analysis with Swedish and English data] Priolisi A, et al. **Minerva Stomatol** 1984 Mar–Apr; 33(2):231–45 (Eng. Abstr.) **(Ita)**

INJURIES

Pulpal pathology in relation to discoloration of primary anterior teeth. Soxman JA, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):282–4

The treatment of traumatic injuries to the teeth of children. Davis MJ. **NY J Dent** 1984 Feb;54(2):65–7

[Injuries to the temporary teeth: management] Gurriet JL, et al. **Rev Odontostomatol (Paris)** 1983 Nov–Dec; 12(6):420–4 **(Fre)**

METABOLISM

Distribution and uptake of magnesium by developing deciduous bovine incisor enamel. Robinson C, et al. **Arch Oral Biol** 1984;29(7):479–82

MICROBIOLOGY

[Cariogenic pathogenicity and Streptococcus mutans. 4. An epidemiological study of edentulous infants and children with deciduous dentition] Gianni E, et al. **Minerva Stomatol** 1984 May–Jun;33(3):413–6 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Microscopic study of enamel defects in deciduous teeth of infants of diabetic mothers. Norén JG. **Acta Odontol Scand** 1984 Jun;42(3):153–6

Congenital hypothyroidism and changes in the enamel of deciduous teeth. Noren JG, et al. **Acta Paediatr Scand** 1983 Jul;72(4):485–9

The open-face stainless steel crown for primary molars. Roberts JF. **ASDC J Dent Child** 1983 Jul–Aug;50(4):262–3

Dental caries of primary incisors in children with cleft lip and palate. Johnsen DC, et al. **Cleft Palate J** 1984 Apr; 21(2):104–9

Primary dentition caries trends, 1976–1981, in four South African populations. Cleaton-Jones P, et al. **Community Dent Oral Epidemiol** 1983 Oct;11(5):312–6

The sensitivity of the developing tooth germ to systemic disturbances. Newton RW, et al. **Early Hum Dev** 1984 Apr; 9(3):269–73

Dento-alveolar abnormalities in oculomandibulodyscephaly (Hallermann-Streiff syndrome). Slootweg PJ, et al. **J Oral Pathol** 1984 Apr;13(2):147–54

Prepubertal periodontitis affecting the deciduous and permanent dentition in a patient with cyclic neutropenia. A case report and discussion. Prichard JF, et al. **J Periodontol** 1984 Feb;55(2):114–22

Caries patterns in Head Start children in a fluoridated community. Johnsen DC, et al. **J Public Health Dent** 1984 Spring;44(2):61–6

A scanning electron microscopic study of dentin dysplasia type II in primary dentition. Jasmin JR, et al. **Oral Surg** 1984 Jul;58(1):57–63

Infraocclusion of primary molars. An epidemiological, familial, longitudinal clinical and histological study. Kurol J. **Swed Dent J [Suppl]** 1984;21:1–67

PHYSIOLOGY

Australian longitudinal study of time and order of eruption of primary teeth. Hitchcock NE, et al. **Community Dent Oral Epidemiol** 1984 Aug;12(4):260–3

The effect of maternal smoking on the timing of deciduous tooth eruption. Rantakallio P, et al. **Growth** 1983 Summer; 47(2):122–8

Sexual dimorphism in the emergence of the deciduous teeth. Tanguay R, et al. **J Dent Res** 1984 Jan;63(1):65–8

[Influence of thumb sucking and pacifiers on deciduous teeth] Schlömer R. **Fortschr Kieferorthop** 1984 Apr;45(2):141–8 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Root resorption and submergence in retained deciduous second molars. A mixed-longitudinal study of 77 children with developmental absence of second premolars. Rune B, et al. **Eur J Orthod** 1984 May;6(2):123–31

[Undermining resorption of 2d deciduous molars during eruption of 6th-year molars] Rinderer LA. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):471–97 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Metallic foreign body. Damm DD, et al. **Oral Surg** 1984 Apr;57(4):464

Amalgam restoration in a submerged tooth. Rogers JV, et al. **Oral Surg** 1984 Feb;57(2):233

SURGERY

Calcium hydroxide pulpotomy for primary teeth: a clinical study. Heilig J, et al. **J Am Dent Assoc** 1984 May; 108(5):775–8

[Use of oral ketamine in oral surgery. Clinical experiences in extractive surgery and ambulatory pedodontics] Badini Confalonieri F, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):915–7 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

[Scanning electron microscopic study of root resorption of the deciduous molars: preliminary results] Sfondrini G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Apr; 27(2):155–67 (Eng. Abstr.) **(Fre)**

[Scanning electron microscopic studies of the microbial plaque of severely destroyed deciduous anterior teeth] Koçkapan C, et al. **Dtsch Zahnarztl Z** 1983 Oct; 38(10):903–5 (Eng. Abstr.) **(Ger)**

TOOTH DISCOLORATION

CHEMICALLY INDUCED

Reduction in evidence in children's teeth of use of tetracyclines. Kinirons MJ. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1515

Tetracycline syrups and children's teeth. **Drug Ther Bull** 1984 Jul 16;22(14):55–6

Extrinsic dental stain caused by chlorhexidine and other denaturing agents. Ellingsen JE, et al. **J Clin Periodontol** 1982 Jul;9(4):317–22

The prevalence of tetracycline-stained teeth in Malaysians—a preliminary survey. Hashim B Yaacob, et al. **Med J Malaysia** 1983 Sep;38(3):197–9

COMPLICATIONS

Pulpal pathology in relation to discoloration of primary anterior teeth. Soxman JA, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):282–4

ETIOLOGY

Swimming pool hazard [letter] Jang E. **Can Dent Assoc J** 1984 Mar;50(3):195

METABOLISM

Auger electron spectroscopy of iron in dental pellicle from stainers and non-stainers. Nordbø H, et al. **Acta Odontol Scand** 1984 Feb;42(1):37–40

Oral retention and discoloration tendency from a chlorhexidine mouth rinse. Solheim H, et al. **Acta Odontol Scand** 1983 Aug;41(4):193–6

PATHOLOGY

Post-mortem pink teeth. Clark DH, et al. **Med Sci Law** 1984 Apr;24(2):130–4

THERAPY

Management of discolored teeth. Faunce F. **Dent Clin North Am** 1983 Oct;27(4):657–70 (30 ref.)

A technique for removal of fluorosis stains. McCloskey RJ. **J Am Dent Assoc** 1984 Jul;109(1):63–4

[Clinical application of bleach therapy to pulpless and discolored tooth—report of 92 cases] Wang YZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):215–6 **(Chi)**

TOOTH DISEASES

see related
MOUTH REHABILITATION

Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1984 Apr;63(4):487–609

International Association for Dental Research. IADR abstracts 1984. **J Dent Res** 1984 Mar;63 Spec No:163–362

[Proceedings of the meeting of the International Group for

Research in Stomatology and Dentistry at Nantes, 1983. Abstracts] **Bull Group Int Rech Sci Stomatol Odontol** 1983 Dec;26(4):329–49 **(Fre)**

[108th annual meeting of the German Society of Dentistry and Oral Medicine. Berlin 1983. Poster sessions] **Dtsch Zahnarztl Z** 1984 Feb;39(2):73–189 **(Ger)**

CHEMICALLY INDUCED

Oral complications of cancer chemotherapy. Lavelle CL, et al. **Can Dent Assoc J** 1984 Apr;50(4):315–9

COMPLICATIONS

The teeth and infective endocarditis. Bayliss R, et al. **Br Heart J** 1983 Dec;50(6):506–12

Dental disease and work loss. Reisine ST. **J Dent Res** 1984 Sep;63(9):1158–61

Orofacial infections of odontogenic origin. Heimdahl A, et al. **Scand J Infect Dis [Suppl]** 1983;39:86–91 (15 ref.)

Oral conditions in Sjögren–Larsson syndrome. Forsberg H, et al. **Swed Dent J** 1983;7(4):141–51

DIAGNOSIS

Dental knowledge and behaviour of pregnant women attending a Brisbane maternity hospital, 1982. Jago JD, et al. **Community Health Stud** 1984;8(1):45–53

Benign fibro–osseous lesions of the jaws. Edwards PA, et al. **Ear Nose Throat J** 1984 Aug;63(8):383–92

Oral findings in osteogenesis imperfecta. Schwartz S, et al. **Oral Surg** 1984 Feb;57(2):161–7

[Pitfalls in restorative dentistry] Vannier R. **Rev Stomatol Chir Maxillofac** 1984;85(2):133–5 (Eng. Abstr.) **(Fre)**

[Holistic and multidimensional diagnosis and therapy in dentistry] Müller–Fahlbusch H, et al. **Dtsch Zahnarztl Z** 1984 Mar;39(3):194–8 (Eng. Abstr.) **(Ger)**

[Osteodental ankylosis] Aru G, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):253–8 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Activity and tolerability of domifen bromide in patients affected by acute infectious dental diseases: a double–blind placebo–controlled trial. Scaglione F, et al. **Int J Clin Pharmacol Res** 1983;3(5):357–61

[Treatment of noaviable immature permanent teeth with a zinc oxide eugenol iodoform paste] Li XQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):154–5 **(Chi)**

ETIOLOGY

Experimental tooth ankylosis in the monkey. Rubin PL, et al. **Angle Orthod** 1984 Jan;54(1):67–72

Dental care for cancer patients. McGaw WT, et al. **Can Dent Assoc J** 1983 Jun;49(6):417–23

Dental and maxillofacial abnormalities in long–term survivors of childhood cancer: effects of treatment with chemotherapy and radiation to the head and neck. Jaffe N, et al. **Pediatrics** 1984 Jun;73(6):816–23

[Buccodental lesions and malignant hemopathies] Marie JP, et al. **Actual Odontostomatol (Paris)** 1984 Jun;146:217–31 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Inherited retarded eruption. Rasmussen P, et al. **ASDC J Dent Child** 1983 Jul–Aug;50(4):268–73

Adult hypophosphatasia without apparent skeletal disease: 'odontohypophosphatasia' in four heterozygote members of a family. Eberle F, et al. **Klin Wochenschr** 1984 Apr 16;62(8):371–6

HISTORY

What did Thomas Jefferson mean by 'I have not yet lost a tooth by age'? Ragsdale JS. **J Am Dent Assoc** 1984 Apr; 108(4):643–4

[Identification of the skeleton of Georg Christoph Lichtenberg] Grupe G. **Anthropol Anz** 1984 Mar;42(1):1–9 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Anaerobic oral and dental infection. Newman MG. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S107–14 (61 ref.)

[Anaerobic bacteria from microbial foci in acute odontogenic inflammatory diseases] Olelnik il, et al. **Antibiotiki** 1984 Apr;29(4):275–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiologic survey of functional conditions of the masticatory system in Belgian children aged 3–6 years. de Vis H, et al. **Community Dent Oral Epidemiol** 1984 Jun; 12(3):203–7

Design of an automated dental epidemiology system. Diehl MC. **Milit Med** 1984 Aug;149(8):454–6

Oral hygiene, disorders of mucosa and teeth, and service use of school children in New York State. Rebich T, et al. **NY State Dent J** 1984 Feb;50(2):74–7

Oral health in coeliac disease and cow's milk protein intolerance. Andersson–Wenckert I, et al. **Swed Dent J** 1984;8(1):9–14

Distribution by age and sex of functional disturbances and diseases of the stomatognathic system in 7–18 year olds. Nilner M, et al. **Swed Dent J** 1983;7(5):191–8

PARASITOLOGY

The production of developmental defects of enamel in the incisor teeth of penned sheep resulting from induced parasitism. Suckling G, et al. **Arch Oral Biol** 1983; 28(5):393–9

PATHOLOGY

Oral findings in DiGeorge syndrome. Børglum Jensen S, et al. **Int J Oral Surg** 1983 Aug;12(4):250–4

The acro–osteolysis (Hadju–Cheney) syndrome. Review of the literature and report of a case. Allen CM, et al. **J Periodontol** 1984 Apr;55(4):224–9

[Dental and periodontal lesions in a case of hyperimmunoglobulinemia E syndrome] Cattabriga M, et al. **Minerva Stomatol** 1983 Jul–Aug;32(4):511–5 (20 ref.) (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Dental problems in athletes. Kerr L. **Clin Sports Med** 1983 Mar;2(1):115–22

Achievements in prevention. Stamm JW. **Int Dent J** 1984 Mar;34(1):66–72

PSYCHOLOGY

A cross cultural comparison of children's illness and dental illness concepts. Wright FA. **Hygie** 1984 Mar;3(1):25–30

The psychiatric referral in dentistry: indications and mechanics. Blasberg B, et al. **Oral Surg** 1983 Oct; 56(4):368–71

RADIOGRAPHY

Radiographic surveys [letter] Crall JJ. **ASDC J Dent Child** 1984 May–Jun;51(3):173–4

A comparative study of three radiographic surveys in preschool children. Ruffalo RC, et al. **ASDC J Dent Child** 1983 Nov–Dec;50(6):422–4

A critical evaluation of panoramic radiography as a screening procedure in dental practice. Barrett AP, et al. **Oral Surg** 1984 Jun;57(6):673–7

[Need among the population for X–ray services in the treatment of dental diseases under outpatient polyclinic conditions] Mamedova LA, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):81–2 **(Rus)**

SURGERY

One year's experience in a new dental day–stay unit. Yee KF, et al. **Anaesth Intensive Care** 1984 May;12(2):131–6

A pattern for the establishment of a unit for the dental treatment of the handicapped patient in the community based on such a unit in Hertfordshire. O'Donnell D, et al. **J R Soc Health** 1984 Aug;104(4):123–5

THERAPY

A computerized decision support system for patient selection in dental education. Tzukert A, et al. **Comput Biol Med** 1984;14(3):277–84

Advances in dental therapeutics and materials: experts explore the future. Boozer CH, et al. **J Am Dent Assoc** 1983 Nov;107(5):719–25

The treatment of dental emergencies at a Naval training facility. Hyman JJ. **Milit Med** 1984 Mar;149(3):134–6

[Prosthetic characteristics of wedge–shaped dental defects] Burlutskii AS. **Stomatologiia (Mosk)** 1984 May–Jun; 63(3):61–3 (Eng. Abstr.) **(Rus)**

VETERINARY

Dental disease in hill sheep: an abattoir survey. Aitchison GU, et al. **J Comp Pathol** 1984 Apr;94(2):285–300

TOOTH EROSION

CHEMICALLY INDUCED

Dental erosion resulting from chewable vitamin C tablets. Giunta JL. **J Am Dent Assoc** 1983 Aug;107(2):253–6

DIAGNOSIS

An index for measuring the wear of teeth. Smith BG, et al. **Br Dent J** 1984 Jun 23;156(12):435–8

ETIOLOGY

A comparison of patterns of tooth wear with aetiological factors. Smith BG, et al. **Br Dent J** 1984 Jul 7;157(1):16–9

Perimolysis in a patient diagnosed with anorexia nervosa: case report. King TM, et al. **Milit Med** 1983 Aug; 148(8):676–7

PATHOLOGY

Cervical erosion involving the lingual surface of a mandibular canine and adjacent premolars. Stroner WF. **J Am Dent Assoc** 1983 Aug;107(2):256–60

PHYSIOPATHOLOGY

Dependence of rate of physical erosion on orientation and density in mineralised tissues. Boyde A. **Anat Embryol (Berl)** 1984;170(1):57–62

PREVENTION & CONTROL

Tooth enamel erosion from vomiting treated with an acrylic sealant [letter] Rosenthal P, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):818

REHABILITATION

Restoration of cervical contours on nonprepared teeth using glass ionomer cement: a 4 1/2–year report. Brandau HE, et al. **J Am Dent Assoc** 1984 May;108(5):782–3

THERAPY

Dental management of the chronic vomiting patient. Kleier DJ, et al. **J Am Dent Assoc** 1984 Apr;108(4):618–21

TOOTH ERUPTION

The cytology of the dental follicle and adjacent alveolar bone during tooth eruption in the dog. Marks SC Jr, et al. **Am J Anat** 1983 Nov;168(3):277–89

Longitudinal study of three views of mandibular third molar eruption in males. Richardson ER, et al. **Am J Orthod** 1984 Aug;86(2):119–29

Age and sequence of permanent–tooth emergence among Khasis. Jaswal S. **Am J Phys Anthropol** 1983 Oct; 62(2):177–86

Number of teeth at the age of one year in relation to maternal smoking. Rantakallio P, et al. **Ann Hum Biol** 1984 Jan–Feb; 11(1):45–52

Comments on the inductance transducer method for measuring force–velocity relationships of the eruption of the upper incisors of rats. Aladdin QI, et al. **Arch Oral Biol** 1984;29(8):661–2

An in–vitro model for tooth eruption utilizing periodontal ligament fibroblasts and collagen lattices. Bellows CG, et al. **Arch Oral Biol** 1983;28(8):715–22

Continuous eruption of some adult human teeth of ancient populations. Levers BG, et al. **Arch Oral Biol** 1983; 28(5):401–8

Experimental study in the dog of the non–active role of the tooth in the eruptive process. Marks SC Jr, et al. **Arch Oral Biol** 1984;29(4):311–22

The effects of continuous axially–directed intrusive loads on the erupting rabbit mandibular incisor. Steedle JR, et al. **Arch Oral Biol** 1983;28(12):1149–53

Inherited retarded eruption. Rasmussen P, et al. **ASDC J Dent Child** 1983 Jul–Aug;50(4):268–73

The physiology of tooth eruption. Jacobson A. **Birth Defects** 1983;19(1):67–82 (57 ref.)

Eruption of incisor teeth in cleft lip and palate. Ogidan O, et al. **Cleft Palate J** 1983 Oct;20(4):331–41

Australian longitudinal study of time and order of eruption of primary teeth. Hitchcock NE, et al. **Community Dent Oral Epidemiol** 1984 Aug;12(4):260–3

Emergence of permanent teeth and onset of dental stages in Japanese children. Höffding J, et al. **Community Dent Oral Epidemiol** 1984 Feb;12(1):55–8

The effect of maternal smoking on the timing of deciduous tooth eruption. Rantakallio P, et al. **Growth** 1983 Summer; 47(2):122–8

A comparison of tooth eruption patterns between two colonies of young marmosets (Callithrix jacchus). Goss AN. **J Dent Res** 1984 Jan;63(1):44–6

Sexual dimorphism in the emergence of the deciduous teeth. Tanguay R, et al. **J Dent Res** 1984 Jan;63(1):65–8

Dento–alveolar abnormalities in oculomandibulodyscephaly (Hallermann–Streiff syndrome). Slootweg PJ, et al. **J Oral Pathol** 1984 Apr;13(2):147–54

Loss of connective tissue attachment in the marginal periodontium of the mouse following blockage of eruption. Electron microscopic observations. Beertsen W, et al. **J Periodont Res** 1983 May;18(3):276–91

[Effect of birth weight on the time of tooth eruption] Sommer B, et al. **Arztl Jugendkd** 1984 Jun;75(3):153–8 (Eng. Abstr.) **(Ger)**

[Undermining resorption of 2d deciduous molars during eruption of 6th–year molars] Rinderer LA. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):471–97 (Eng. Abstr.) **(Ger)**

[Radioautographic study of tooth growth and the functional activity of cells during of eruption] Kalion PT, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):628–31 **(Rus)**

DRUG EFFECTS

The effect of a microfilament–disrupting drug, cytochalasin B, on 6–hourly and daily eruption rates of the rat mandibular incisor. Chiba M, et al. **Arch Oral Biol** 1983; 28(7):651–3

Interactions between thyroxine, hydrocortisone and cyclophosphamide in their effects on the eruption of the rat mandibular incisor. Moxham BJ, et al. **Arch Oral Biol** 1983;28(12):1083–7

Phenytoin–induced gingival overgrowth resulting in delayed eruption of the primary dentition. A case report. Church LF Jr, et al. **J Periodontol** 1984 Jan;55(1):19–21

TOOTH ERUPTION, ECTOPIC

DIAGNOSIS

[Diagnosis and treatment of the pathological growth of lower wisdom teeth] Aleksandrov VA. **Voen Med Zh** 1984 May; (5):56 **(Rus)**

PATHOLOGY

Bilateral transposition of maxillary canines and lateral incisors: a rare condition. Gholston LR, et al. **ASDC J Dent Child** 1984 Jan–Feb;51(1):58–63

Transposition of teeth. Ruprecht A, et al. **Can Dent Assoc J** 1984 Apr;50(4):308–9

Morphological analysis of cases with ectopic eruption of the maxillary first permanent molar. Canut JA, et al. **Eur J Orthod** 1983 Aug;5(3):249–53

THERAPY

Periodontal status following the alignment of buccally ectopic maxillary canine teeth. Kohavi D, et al. **Am J Orthod** 1984 Jan;85(1):78–82

Treatment of ectopically erupting permanent molars. Harrison LM Jr, et al. **Dent Clin North Am** 1984 Jan; 28(1):57–67

Canine transposition—approaches to treatment. Laptook T, et al. **J Am Dent Assoc** 1983 Nov;107(5):746–8

TOOTH EXFOLIATION

BLOOD

Systemic influences in tooth loss [letter] Cheraskin E. **Arch Intern Med** 1984 Jul;144(7):1513

TOOTH EXTRACTION

Evidence that less replacement therapy is required for dental extractions in hemophiliacs. Steinberg SE, et al. **Am J Hematol** 1984 Jan;16(1):1–13

Effects of diazepam premedication and epinephrine–containing local anesthetic on cardiovascular and plasma catecholamine responses to oral surgery. Dionne RA, et al. **Anesth Analg** 1984 Jul;63(7):640–6

Lower incisor extraction in orthodontic treatment. Four clinical reports. Kokich VG, et al. **Angle Orthod** 1984 Apr; 54(2):139–53

The third molar question: to extract or not to extract. Weiss J, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):277–81

Warfarin anticoagulant therapy [letter] Bailey BM, et al. **Br Dent J** 1984 May 5;156(9):310

DDAVP and tranexamic acid for dental extractions in a mild haemophiliac. Shankar S, et al. **Br Dent J** 1984 Jun 23; 156(12):450–2

The efficacy and pharmacokinetics of sodium salicylate in post–operative dental pain. Seymour RA, et al. **Br J Clin Pharmacol** 1984 Feb;17(2):161–3

Aspirin metabolism and efficacy in postoperative dental pain. Seymour RA, et al. **Br J Clin Pharmacol** 1984 Jun; 17(6):697–701

A clinical investigation into the incidence of dry socket. Heasman PA, et al. **Br J Oral Maxillofac Surg** 1984 Apr; 22(2):115–22

The influence of closure or dressing of third molar sockets on post–operative swelling and pain. Holland CS, et al. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):65–71

Wisdom teeth—to extract or not to extract? [letter] Lazare M. **Can Dent Assoc J** 1984 Mar;50(3):195

Is baclofen an analgesic? Terrence CF, et al. **Clin Neuropharmacol** 1983;6(3):241–5

Postradiation dental extractions: a review of the literature and a report of 72 episodes. Beumer J 3d, et al. **Head Neck Surg** 1983 Sep–Oct;6(1):581–6

A comparative study of centbucridine and lidocaine in dental extraction. Vacharajani GN, et al. **Int J Clin Pharmacol Res** 1983;3(4):251–5

Problems with steroids [letter] Koerner KR. **J Am Dent Assoc** 1983 Dec;107(6):906–8

Serum amoxycillin levels following oral loading dose prior to outpatient general anaesthesia for dental extractions. Cannon PD, et al. **J Antimicrob Chemother** 1984 Mar; 13(3):285–9

Wound healing following dental extractions in rabbits: effects of tranexamic acid, warfarin anti–coagulation, and socket packing. Vinckier F, et al. **J Dent Res** 1984 May; 63(5):646–9

Analgesia following oral surgery: a comparative study of Solpadeine and a soluble form of dextropropoxyphene napsylate and paracetamol. Edmondson HD, et al. **J Int Med Res** 1983;11(4):228–31

Healing of tooth extraction wounds in rats with renal hypertension. A histological study. Carvalho AA, et al. **J Nihon Univ Sch Dent** 1983 Sep;25(3):214–20

Histological study on the healing of rat dental sockets after partial removal of the buccal bony plate. Okamoto T, et al. **J Nihon Univ Sch Dent** 1983 Sep;25(3):202–13

The effect of first molar loss on the dentition and periodontium. Ehrlich J, et al. **J Prosthet Dent** 1983 Dec; 50(6):830–2

The effectiveness of 100 and 200 mg etodolac (Ultradol), aspirin, and placebo in patients with pain following oral surgery. Hutton CE. **Oral Surg** 1983 Dec;56(6):575–80

Epidermolysis bullosa: dental and anesthetic management of two cases. Wright JT. **Oral Surg** 1984 Feb;57(2):155–7

Oral analgesic efficacy of suprofen compared to aspirin, aspirin plus codeine, and placebo in patients with postoperative dental pain. Sunshine A, et al. **Pharmacology** 1983;27 Suppl 1:31–40

On the moments used in the extraction of teeth and their acting times. Strain gauge measurements of rocking and twisting moments in connection with the extraction of teeth, including observations on the lengths of their acting times. Ojala T. **Proc Finn Dent Soc** 1983;79 Suppl 1–2:suppl II 1–62

Facial swelling, dental extraction and maxillary cancer [letter] Morton RP. **S Afr Med J** 1984 Apr 14;65(15):588

Local fibrinolysis in the oral cavity. Björlin G. **Scand J Haematol [Suppl]** 1984;40:411–6

Local hemostatic agents (and techniques). Evans BE. **Scand J Haematol [Suppl]** 1984;40:417–22

Ecology of wound healing in the oral cavity. Gustafson GT. **Scand J Haematol [Suppl]** 1984;40:393–409

Contamination of oral wounds with saliva and bacteria. Ramström G. **Scand J Haematol [Suppl]** 1984;40:423–7

[Extraction of six–year teeth and orthodontic possibilities] Bassigny F. **Actual Odontostomatol (Paris)** 1983 Jun; (142):259–83 (Eng. Abstr.) **(Fre)**

[Demonstration of transient postextraction bacteremia] Taieb A, et al. **Actual Odontostomatol (Paris)** 1984 Jun;146:311–8 (Eng. Abstr.) **(Fre)**

[Local differences in the roughness of the surfaces of extracted teeth] Mierau HD, et al. **Dtsch Zahnarztl Z** 1983 Dec;38(12):1093–6 (Eng. Abstr.) **(Ger)**

[Use of oral ketamine in oral surgery. Clinical experiences in extractive surgery and ambulatory pedodontics] Badini Confalonieri F, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):915–7 (Eng. Abstr.) **(Ita)**

[Survey of the tooth extractions in the 4 years of operation of the University of Turin Dental Clinic] Moniaci D, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):809–16 (Eng. Abstr.) **(Ita)**

[Effect of ketamine and ketamine–sombrevin anesthesia on the contractile function of the myocardium in ambulatory dental patients] Goriaev IuA, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**

[Possibilities of using the extracted crowns of natural teeth in cases of orthodontic treatment] Gumetskii RA. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):67–9 (Eng. Abstr.) **(Rus)**

[Role of oral surgery in the treatment of the sequelae of diseases of the mouth and teeth] Jojić B, et al. **Srp Arh Celok Lek** 1983 Jul;111(7):931–8 **(Scc)**

[Indications for tooth extractions in young soldiers] Todorović S. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):120–1 **(Scr)**

ADVERSE EFFECTS

The assessment of post–operative facial swelling by analytical photogrammetry. Rivett LJ. **Australas Phys Eng Sci Med** 1983 Jul–Sep;6(3):138–42

Complications of dental extractions in patients receiving warfarin anticoagulant therapy. A controlled clinical trial. Bailey BM, et al. **Br Dent J** 1983 Nov 5;155(9):308–10

Spontaneous fracture of the mandible following third molar removal. de Silva BG. **Br Dent J** 1984 Jan 7;156(1):19–20

Post–extraction bacteraemia: role of antiseptics and antibiotics. Macfarlane TW, et al. **Br Dent J** 1984 Mar 10;156(5):179–81

Oro–nasal fistula occurring after a simple dental extraction. Meechan JG. **Br J Oral Surg** 1983 Sep;21(3):229–32

Alveolitis sicca dolorosa after removal of impacted mandibular third molars. Nordenram A, et al. **Int J Oral Surg** 1983 Aug;12(4):226–31

Dental extractions in Paget's disease of bone. Sofaer JA. **Int J Oral Surg** 1984 Apr;13(2):79–84

Terra–Cortril/Gelfoam for reduction of the incidence of localized osteitis following mandibular third molar removal. Rutledge JL, et al. **J Oral Med** 1984 Jan–Mar; 39(1):51–3

Local haemostasis for oral bleeding in patients with coagulopathy [letter] Suzuki H, et al. **Lancet** 1983 Dec 10; 2(8363):1362–3

Idiopathic trigeminal neuralgia—a phantom pain phenomenon? The biorhythms neogenesis theory. Zurak N, et al. **Neurologija** 1983;31(3–4):91–105

Postextraction hemorrhage in a young male patient with systemic lupus erythematosus. Schwartz S, et al. **Oral Surg** 1984 Mar;57(3):254–7

Pneumomediastinum after dental extraction. Ikard RW. **South Med J** 1984 Jun;77(6):801–2

[Subcutaneous emphysema, pneumomediastinum and dental extraction] Dezeros G, et al. **Ann Fr Anesth Reanim** 1984; 3(2):140–2 (Eng. Abstr.) **(Fre)**

[Comparative study of the analgesic activity of glafenine and a paracetamol–codeine combination in post–operative dental pain] Mayer R, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):53–64 (Eng. Abstr.) **(Fre)**

[Untimely extraction in mandibular sarcoma. Apropos of 2 cases] Ginisty D, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(2):123–5 (Eng. Abstr.) **(Fre)**

[Suppurative mediastinitis following tooth extraction in sympathetic pericardial effusion] Stiegler H, et al. **Chirurg** 1983 Sep;54(9):617–20 **(Ger)**

[Consequences of unnecessary tooth extractions (case report)] Lendvay B, et al. **Fogorv Sz** 1983 Sep;76(9):281–3 (Eng. Abstr.) **(Hun)**

[Adverse effect of early extraction of the 1st molars on occlusion] Spirchez N, et al. **Fogorv Sz** 1983 Dec; 76(12):369–72 (Eng. Abstr.) **(Hun)**

[Primary oral tuberculosis after dental extractions. Clinical, histopathological and epidemiological aspects] Lo Bello SR, et al. **Minerva Stomatol** 1984 Jan–Feb;33(1):41–8 (Eng. Abstr.) **(Ita)**

[Prevention and treatment of hemorrhage in dento–alveolar surgical interventions in hemophiliacs] Timoşca G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):257–60 (Eng. Abstr.) **(Rum)**

[A case of generalized tetanus following tooth extraction] Slepchenko MA, et al. **Voen Med Zh** 1983 Nov;(11):62 **(Rus)**

HISTORY

Collector's item. Americana. Agins TC. **NY J Dent** 1983 Nov;53(7):317

INSTRUMENTATION

[Application of a high speed turbine handpiece for extraction of an impacted lower wisdom tooth] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):212–4 **(Chi)**

METHODS

Do–it–yourself extraction of mandibular premolar with a bath plug [letter] Garrick D. **Br Dent J** 1983 Aug 20;155(4):112

Complications of dental extractions in patients receiving Warfarin anticoagulant therapy [letter] Schofield JJ. **Br Dent J** 1984 Mar 24;156(6):200

Dental extraction in a patient with congenital deficiencies of factors V and VIII. Takeuchi M, et al. **J Oral Maxillofac Surg** 1984 May;42(5):327–30

Patients with long Q–T syndrome: a caveat for the oral surgeon. Sandor GK, et al. **Oral Surg** 1983 Oct;56(4):357–60

[Tooth extraction without substitutive treatment in patients with severe hemophilia or other congenital disorders of hemostasis: importance of gelatin–resorcin–formol glue] Chauvin P, et al. **Actual Odontostomatol (Paris)** 1984 Mar; 145:81–93 (Eng. Abstr.) **(Fre)**

[Preoperative sedation in dental surgery on high–risk heart disease patients] Hartmann G, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):353–6 (Eng. Abstr.) **(Ita)**

[Surgical technic for extraction of the 3d lower molar while maintaining the integrity of the periodontal ligament distal and vestibular to the 2d molar] Urbani G. **Minerva Stomatol** 1983 Nov–Dec;32(6):865–74 (Eng. Abstr.) **(Ita)**

[Oral surgery in a patient with congenital factor V deficiency] Badurowa A, et al. **Wiad Lek** 1983 Nov 1;36(21):1797–800 (Eng. Abstr.) **(Pol)**

[Providing dental care to hemophilia patients] Kolikov SI, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):77–8 **(Rus)**

[Dental procedure in extracting teeth from persons with circulatory diseases] Ugulava SN. **Voen Med Zh** 1984 Jul; (7):54–6 **(Rus)**

PSYCHOLOGY

Plasma beta–endorphin–like immunoreactivity, pain and anxiety following administration of placebo in oral surgery patients. Hargreaves KM, et al. **J Dent Res** 1983 Nov; 62(11):1170–3

VETERINARY

Instrumentation and technique of removal of permanent teeth in the dog. Verstraete FJ. **J S Afr Vet Assoc** 1983 Dec; 54(4):231–8

TOOTH FRACTURES

CLASSIFICATION

Periodontal considerations relevant to treating the fractured tooth. Schneider AR, et al. **J Prosthet Dent** 1984 May; 51(5):624–7

COMPLICATIONS

Overbite, overjet, lip–drape and incisor tooth fracture in children. Dearing SG. **NZ Dent J** 1984 Apr;80(360):50–2

DIAGNOSIS

Cracked cusp syndrome [letter] Kruger BF. **Aust Dent J** 1984 Feb;29(1):55

Clinical considerations in the diagnosis and treatment of intra–alveolar root fractures. Bender IB, et al. **J Am Dent Assoc** 1983 Oct;107(4):595–600

ETIOLOGY

Dowel materials and root fracture. Eshelman EG Jr, et al. **J Prosthet Dent** 1983 Sep;50(3):342–4

PATHOLOGY

Adult root fracture. Bender IB, et al. **J Am Dent Assoc** 1983 Sep;107(3):413–9

[Crown and root pathological tooth fractures. Comments on 32 cases] Borio PS, et al. **Minerva Stomatol** 1984 Jan–Feb; 33(1):63–9 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Short- and long-term observation of fractured impacted wisdom teeth retained in the socket] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):148–50 **(Chi)**

THERAPY

Reuse of existing crown after tooth fracture at the gingival margin. Portera JJ, et al. **J Prosthet Dent** 1983 Aug; 50(2):195–7

VETERINARY

Technic for restoration of fractured caudal teeth in dogs. Cruickshank LG, et al. **Mod Vet Pract** 1982 Sep; 63(9):717–20

TOOTH GERM

see related
ODONTOGENESIS

ABNORMALITIES

Alveolar bone graft resorption associated with abnormal dental follicle. ElDeeb M, et al. **Cleft Palate J** 1984 Jan; 21(1):22–8

BLOOD SUPPLY

Microvascular architecture of the enamel organ in the rat–incisor maturation zone. Scanning and transmission electron microscopic studies. Sasaki T, et al. **Acta Anat (Basel)** 1984;118(4):205–13

CYTOLOGY

The cytology of the dental follicle and adjacent alveolar bone during tooth eruption in the dog. Marks SC Jr, et al. **Am J Anat** 1983 Nov;168(3):277–89

Identification of inner and outer cell proliferation centers during fetal tooth morphogenesis. Lehmann R, et al. **J Craniofac Genet Dev Biol** 1984;4(1):47–57

A freeze-fracture study of ruffle-ended post-secretory ameloblasts. Garant PR, et al. **J Dent Res** 1984 May; 63(5):622–8

[Cultivation and potential use of pulp and periodontal cells from human teeth and tooth germs] Thiel KD, et al. **Zahn Mund Kieferheilkd** 1983;71(5):453–7 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Ultrastructure of the effects of calcitonin on the development of mouse tooth germs in vitro. Sakakura Y, et al. **Arch Oral Biol** 1984;29(7):507–12

Histological, macroscopic and microhardness observations of fluoride-induced changes in the enamel organ and enamel of sheep incisor teeth. Suckling G, et al. **Arch Oral Biol** 1984;29(3):165–77

Effect of oxygen tension on matrix formation and mineralization in hamster molars during development in vitro. Bronckers AL. **J Biol Buccale** 1983 Sep; 11(3):195–207

EMBRYOLOGY

Inhibition of morphogenesis and stimulation of vascular proliferation in embryonic tooth cultures by a sarcoma growth factor preparation. Thesleff I, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5902–9

Neutral morphogenetic activity of epithelium in heterologous tissue recombinations. Arechaga J, et al. **Differentiation** 1983;25(2):142–7

Epithelial–mesenchymal interactions in tooth germs: mechanisms of differentiation. Ruch JV, et al. **J Biol Buccale** 1983 Sep;11(3):173–93 (112 ref.)

The basement membrane of the enamel organ in human odontogenesis. Rosenberg RJ, et al. **Oral Surg** 1984 May; 57(5):544–53

[Odontogenesis in the human fetus: an echographic study] Awoust J, et al. **J Biol Buccale** 1984 Mar;12(1):37–47 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Studies of alkaline phosphatase inhibition by p-bromotetramisole in non-mineralizing and mineralizing neonatal hamster tooth germs in vitro. Lyaruu DM, et al. **J Biol Buccale** 1983 Dec;11(4):347–53

Histochemical demonstration of activity of acid phosphatase and beta-glucuronidase in bovine incisor tooth germs. Kirkeby S, et al. **Scand J Dent Res** 1983 Oct;91(5):341–6

METABOLISM

The effects of ATP depletion and ionophore A23187 on calcium transport in the secretory rat enamel organ. Vicars TM, et al. **Arch Oral Biol** 1983;28(6):513–6

De novo gene expression detected by amelogenin gene transcript analysis. Snead ML, et al. **Dev Biol** 1984 Jul; 104(1):255–8

[35S]autoradiographic study of sulfated GAG accumulation and turnover in embryonic mouse tooth germs. Lau EC, et al. **J Craniofac Genet Dev Biol** 1983;3(2):117–31

Effect of inhibition of net calcium uptake on net fluoride uptake in developing rat molars. Bawden JW, et al. **J Dent Res** 1984 May;63(5):642–5

PATHOLOGY

The sensitivity of the developing tooth germ to systemic disturbances. Newton RW, et al. **Early Hum Dev** 1984 Apr; 9(3):269–73

Soft-tissue calcifications of the dental follicle in regional odontodysplasia: a structural and ultrastructural study. Kerebel LM, et al. **Oral Surg** 1983 Oct;56(4):396–404

PHYSIOLOGY

Augmentation of tooth and jaw regeneration in the frog with a digital transplant. Howes RI, et al. **J Dent Res** 1984 May; 63(5):670–4

[Regeneration of the tooth in the guinea pig] Artis JP, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jan; 27(1):3–10 (Eng. Abstr.) **(Fre)**

SURGERY

[Germectomy of the 3d molar in orthodontics: contrasting opinions in the literature and personal considerations] Fiamminghi L. **Acta Biomed Ateneo Parmense** 1983; 54(5–6):427–38 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

Influence of serum on cultured murine tooth organ allotransplants. Riviere GR. **J Dent Res** 1984 Aug; 63(8):1072–4

[Results of dental homografts. Nine years after a publication on 25 homografts, what remains and what should be considered] Molhant M. **Rev Stomatol Chir Maxillofac** 1984;85(2):151–2 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Intercellular junctions in the cells of the human enamel organ as revealed by freeze-fracture. Sasaki T, et al. **Arch Oral Biol** 1984;29(4):275–86

Ultrastructure of granular materials in rat incisor enamel organ at early maturation stage. Yamamoto K, et al. **Arch Oral Biol** 1984;29(2):157–9

Morphology and function of maturation ameloblasts in kitten tooth germs. Sasaki T. **J Anat** 1984 Mar;138 (Pt 2):333–42

Scanning and transmission electron microscopy of developing enamel surfaces in the kitten tooth germs. Sasaki T, et al. **J Electron Microsc (Tokyo)** 1983; 32(2):163–71

Decalcification for electron microscopy with L-ascorbic acid. Wakita M, et al. **Stain Technol** 1983 Nov;58(6):337–41

[Ultrastructure of the intercellular contacts in the developing enamel organ] Koroleva ON. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):22–6 (Eng. Abstr.) **(Rus)**

TOOTH, IMPACTED

see related
TOOTH EXTRACTION

COMPLICATIONS

[Idiopathic reabsorption of the crown of an impacted upper cuspid] Di Maggio C, et al. **Radiol Med (Torino)** 1983 May; 69(5):327–8 **(Ita)**

ETIOLOGY

Re Jacoby: Etiology of maxillary canine impactions (Am. J. Orthod. 84: 125–139, 1983) [letter] Mew JR. **Am J Orthod** 1984 May;85(5):440–1

Mandibular second permanent molars impacted by the third molars: case report. Bimstein E. **ASDC J Dent Child** 1984 Mar–Apr;51(2):148–9

Third molars [letter] Silloway FC. **ASDC J Dent Child** 1984 May–Jun;51(3):174–5

[Retention of upper incisors due to supernumerary teeth] Peres F, et al. **Rev Port Estomatol Cir Maxilofac** 1983 Oct–Dec;24(4):541–8 **(Por)**

PATHOLOGY

An enigmatic wisdom tooth [letter] Allen CD. **Br Dent J** 1983 Jul 9;155(1):4

RADIOGRAPHY

Localization of maxillary third molar immobilized within an infected maxillary sinus. McKenna JD, et al. **J Am Dent Assoc** 1984 Feb;108(2):208–9

Roentgen oddities. Jackson C, et al. **NY State Dent J** 1984 Jan;50(1):40

External resorption of an unerupted third molar. Kalamchi S. **Oral Surg** 1983 Sep;56(3):338

Multiple supernumerary teeth. Leslie JC. **Oral Surg** 1984 Apr; 57(4):463

Bilateral impactions of all mandibular molars. Shirwatkar LG, et al. **Oral Surg** 1984 May;57(5):581

[Short- and long-term observation of fractured impacted wisdom teeth retained in the socket] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):148–50 **(Chi)**

SURGERY

Surgical exposure, orthodontic movement, and final tooth position as factors in periodontal breakdown of treated palatally impacted canines. Kohavi D, et al. **Am J Orthod** 1984 Jan;85(1):72–7

Autogenic transplantation of a developing tooth. Badger GR. **ASDC J Dent Child** 1983 Sep–Oct;50(5):358–60

The third molar question: to extract or not to extract. Weiss J, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):277–81

Third molar surgery. Guralnick W. **Br Dent J** 1984 Jun 9; 156(11):389–94

The palatally impacted mesiodens. Morley KR, et al. **Can Dent Assoc J** 1983 Aug;49(8):571–4

The impacted third molar: referral patterns, patient compliance, and surgical requirements. Goldberg MH, et al. **J Am Dent Assoc** 1983 Sep;107(3):439–41

Reevaluation of the lingual split-bone technique for removal of impacted mandibular third molars. Rud J. **J Oral Maxillofac Surg** 1984 Feb;42(2):114–7

Periodontal evaluation of two mucoperiosteal flaps used in removing impacted mandibular third molars. Stephens RJ, et al. **J Oral Maxillofac Surg** 1983 Nov;41(11):719–24

Removal of asymptomatic impacted wisdom teeth [letter] Scheer MJ. **JAMA** 1984 Sep 21;252(11):1410–1

The impacted tooth—its legal and surgical management. Salman L, et al. **NY State Dent J** 1983 Oct;49(8):577–8

Comparative efficacy of fenoprofen calcium and zomepirac sodium in postsurgical dental pain. Cooper SA, et al. **Oral Surg** 1984 May;57(5):485–9

The effect of immediate combined cold, ultrasound and diadynamic current therapy on swelling after wisdom tooth removal. Ylipaavalniemi P, et al. **Proc Finn Dent Soc** 1984; 80(2):55–7

[Application of a high speed turbine handpiece for extraction of an impacted lower wisdom tooth] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):212–4 **(Chi)**

THERAPY

Periodontal status following the alignment of palatally impacted canine teeth. Becker A, et al. **Am J Orthod** 1983 Oct;84(4):332–6

TOOTH LUXATION

PHYSIOPATHOLOGY

[Second-generation roots] Mugnier A, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):285–90 (Eng. Abstr.) **(Fre)**

SURGERY

[Reimplantation of luxated incisors: current status of the problem] Themar P, et al. **Actual Odontostomatol (Paris)** 1984 Jun;146:181–98 (Eng. Abstr.) **(Fre)**

THERAPY

Replantation of avulsed teeth after long extra-alveolar periods. Heimdahl A, et al. **Int J Oral Surg** 1983 Dec; 12(6):413–7

Treatment of the avulsed tooth [letter] Camp JH. **J Am Dent Assoc** 1983 Nov;107(5):706

TOOTH MIGRATION

PHYSIOPATHOLOGY

Effect of fluoroacetate on the physiological distal drift of rat molar. Ueno Y. **Bull Tokyo Med Dent Univ** 1983 Dec; 30(4):119–27

Effects of lathyrism on mouse molar migration. Dreyer CW, et al. **J Periodont Res** 1984 Jul;19(4):424–33

RADIOGRAPHY

Transmigration of the mandibular right canine with development of odontoma in its place. O'Carroll MK. **Oral Surg** 1984 Mar;57(3):349

TOOTH MOBILITY

Effects of sympathetic nerve activity on changes in the position of the rabbit incisor tooth evoked by acute alterations in arterial blood pressure. Aars H. **Arch Oral Biol** 1983;28(6):497–500

Continuous monitoring of the position of the ferret mandibular canine tooth to enable comparisons with the continuously-growing rabbit incisor. Moxham BJ, et al. **Arch Oral Biol** 1983;28(6):477–81

Short-term extrusion of isolated teeth of adult monkey (Macaca fascicularis). Picton DC, et al. **Arch Oral Biol** 1984;29(6):425–9

[The mechanism of movement in dentoalveolar articulation]

Martinko V, et al. **Bratisl Lek Listy** 1984 Jan;81(1):29–37 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Effects of sympathetic nerve activity on acute mobility of the rabbit incisor tooth. Aars H. **Acta Odontol Scand** 1983 Oct;41(5):287–92

[Tooth movement during loading] Saito R. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):568–87 (Eng. Abstr.) **(Jpn)**

THERAPY

Splinting of mobile teeth using light cured composite resin: a clinical evaluation of reinforced and non-reinforced splints. Charles DH. **Can Dent Assoc J** 1984 Jun;50(6):473–7

[A clinical case of retention using bonded splints with prosthetic restorations] Bozon C. **Actual Odontostomatol (Paris)** 1983 Sep;143:529–36 (Eng. Abstr.) **(Fre)**

[A simple and economic method for splinting the anterior mandibular teeth with a cemented grid] Lasfargues JJ, et al. **Rev Odontostomatol (Paris)** 1983 Sep–Oct;12(5):371–84 **(Fre)**

TOOTH MOVEMENT, MINOR

Alkaline phosphatase activity and tetracycline incorporation during initial orthodontic tooth movement in rats. Lilja E, et al. **Acta Odontol Scand** 1984 Feb;42(1):1–11

Periodontal status following the alignment of palatally impacted canine teeth. Becker A, et al. **Am J Orthod** 1983 Oct;84(4):332–6

Treatment of Class II deep bite by orthodontic and surgical means. Bell WH, et al. **Am J Orthod** 1984 Jan;85(1):1–20

Root resorption and tooth movement in orthodontically treated, calcium-deficient, and lactating rats. Goldie RS, et al. **Am J Orthod** 1984 May;85(5):424–30

Surgical exposure, orthodontic movement, and final tooth position as factors in periodontal breakdown of treated palatally impacted canines. Kohavi D, et al. **Am J Orthod** 1984 Jan;85(1):72–7

Mechanics of tooth movement. Smith RJ, et al. **Am J Orthod** 1984 Apr;85(4):294–307

Clinical application of prostaglandin E1 (PGE1) upon orthodontic tooth movement. Yamasaki K, et al. **Am J Orthod** 1984 Jun;85(6):508–18

The effect of gingival fiberotomy on orthodontic cuspid retraction in cats. Glenn RW, et al. **Angle Orthod** 1983 Oct;53(4):320–8

Dilaceration—a surgical/orthodontic solution. Davies PH, et al. **Br Dent J** 1984 Jan 7;156(1):16–8

Prostaglandins and tooth movement. Sandy JR, et al. **Eur J Orthod** 1984 Aug;6(3):175–82

Orthodontics and orthognathic surgery: adjuncts to restorative and periodontal therapy. Bryant RA, et al. **J Am Dent Assoc** 1984 Jan;108(1):33–40

A study on changes in the dental arch of overbite patients resulting from orthodontic treatment. Noma S. **J Nihon Univ Sch Dent** 1983 Sep;25(3):200–1

A study on morphological changes in the palate associated with orthodontic treatment—the application of Moiré topography—1. Adult females with upper protrusions. Soh M. **J Nihon Univ Sch Dent** 1983 Sep;25(3):171–82

Periodontal response after tooth movement into intrabony defects. Polson A, et al. **J Periodontol** 1984 Apr; 55(4):197–202

Cellular enzyme activity associated with tissue degradation following orthodontic tooth movement in man. Lilja E, et al. **Scand J Dent Res** 1983 Oct;91(5):381–90

[Tooth movement—the dento-alveolar system from a biomechanical viewpoint] Martinko V. **Fortschr Kieferorthop** 1984 Feb;45(1):1–8 (Eng. Abstr.) **(Ger)**

[Tooth movement (histological changes)] da Cruz JP. **Rev Port Estomatol Cir Maxilofac** 1982 Jan–Mar; 23(1):63–88 **(Por)**

ADVERSE EFFECTS

Surface distribution of enamel opacities following orthodontic treatment. Mizrahi E. **Am J Orthod** 1983 Oct; 84(4):323–31

Apical root resorption in upper anterior teeth. Linge BO, et al. **Eur J Orthod** 1983 Aug;5(3):173–83

The effect of nailbiting on root resorption during orthodontic treatment. Odenrick L, et al. **Eur J Orthod** 1983 Aug; 5(3):185–8

INSTRUMENTATION

Maxillary traction splint: a cephalometric evaluation. Caldwell SF, et al. **Am J Orthod** 1984 May;85(5):376–84

The hemi-monobloc. Hamilton RM. **Can Dent Assoc J** 1984 Mar;50(3):245–7

[Apparatus for transposing the upper anterior teeth in the vestibular direction] Kuznetsov PA, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):79 **(Rus)**

METHODS

Orthopedic coordination of dentofacial development in skeletal Class II malocclusion in conjunction with edgewise therapy. Part I. Bass NM. **Am J Orthod** 1983 Nov; 84(5):361–83

Orthopedic coordination of dentofacial development in skeletal Class II malocclusion in conjunction with edgewise therapy. Part II. Bass NM. **Am J Orthod** 1983 Dec; 84(6):466–90

Quantitative analysis of the orthodontic and orthopedic effects of maxillary traction. Baumrind S, et al. **Am J Orthod** 1983 Nov;84(5):384–98

Superimpositional assessment of treatment-associated changes in the temporomandibular joint and the mandibular symphysis. Baumrind S, et al. **Am J Orthod** 1983 Dec; 84(6):443–65

The surgical-orthodontic correction of mandibular deficiency. Part I. Epker BN, et al. **Am J Orthod** 1983 Nov;84(5):408–21

The effects of space closure of the mandibular first molar area in adults. Hom BM, et al. **Am J Orthod** 1984 Jun; 85(6):457–69

Principles of orthodontic mechanics in orthognathic surgery cases. Jacobs JD, et al. **Am J Orthod** 1983 Nov; 84(5):399–407

Retention and the state of the art in orthodontics. Salzmann JA. **Am J Orthod** 1983 Nov;84(5):430–1

The effect of orthodontic extrusion on traumatically intruded teeth. Turley PK, et al. **Am J Orthod** 1984 Jan;85(1):47–56

The dilemma of Class III treatment. Early or late? Campbell PM. **Angle Orthod** 1983 Jul;53(3):175–91

Class II, division 2 malocclusion. To extract—or not extract? Litt RA, et al. **Angle Orthod** 1984 Apr;54(2):123–38

Chin cap force to a growing mandible. Long-term clinical reports. Mitani H, et al. **Angle Orthod** 1984 Apr; 54(2):93–122

Mixed dentition treatment with cervical traction and lower lingual arch. Odom WM. **Angle Orthod** 1983 Oct; 53(4):329–42

Edgewise therapy with cervical and intermaxillary traction—influence on the position of the bony chin. Teuscher U. **Angle Orthod** 1983 Jul;53(3):212–27

Surgical repositioning of third molars. Absi EG. **Br Dent J** 1983 Oct 8;155(7):233–6

The stabilized buccal canine retractor. Adams CP. **Br J Orthod** 1983 Oct;10(4):209–10

A variation in removable appliance design for distal movement or anchorage reinforcement. Barnett DP. **Br J Orthod** 1983 Oct;10(4):211–2

Controlled space closure with the edgewise appliance. Brown M. **Br J Orthod** 1984 Apr;11(2):92–9

Bioprogressive therapy: overbite reduction with the lower utility arch. Greig DG. **Br J Orthod** 1983 Oct;10(4):214–6

The effect of retention on the relapse of Class II Division 1 cases. Wood CM. **Br J Orthod** 1983 Oct;10(4):198–202

The effect of a lingual arch appliance with anterior bite plane in deep overbite correction. Forsberg CM, et al. **Eur J Orthod** 1984 May;6(2):107–15

Stability of results and function of the masticatory system in patients treated with the Herren type of activator. Madone G, et al. **Eur J Orthod** 1984 May;6(2):92–106

The effects of gnathologic orthopedics on the cervical spine. Howard JT. **Int J Orthod** 1983 Sep;21(3):12–9

An electromyographic study of post retraction orthodontic patients. Moss JP. **Int J Orthod** 1984 Mar;22(1):11–8

Orthodontic tooth movement response in Ehlers-Danlos syndrome: report of case. Norton LA. **J Am Dent Assoc** 1984 Aug;109(2):259–62

Case reports on tooth positioners using LTV vinyl silicone rubber. Kamada K, et al. **J Nihon Univ Sch Dent** 1984 Mar;26(1):11–29

A study on the effects of treatment for upper protrusion in adult females by the edgewise method. Shimabukuro S. **J Nihon Univ Sch Dent** 1983 Sep;25(3):183–99

Rationale and practical technique for uprighting mesially inclined molars. Simon RL. **J Prosthet Dent** 1984 Aug; 52(2):256–9

[Orthodontics in the treatment of periodontopathies due to dental malposition] Tovel H, et al. **Actual Odontostomatol (Paris)** 1983 Sep;143:423–37 (Eng. Abstr.) **(Fre)**

[System for distalization of the upper 6-year molar with indirect headgear] Kubein D, et al. **Fortschr Kieferorthop** 1984 Apr;45(2):128–40 (Eng. Abstr.) **(Ger)**

[Experience with the Ricketts method] Urbach K, et al. **Fogorv Sz** 1983 Oct;76(10):301–5 (Eng. Abstr.) **(Hun)**

TOOTH PERMEABILITY

Effects of air-drying in vitro on human dentine permeability. Pashley DH, et al. **Arch Oral Biol** 1984;29(5):379–83

Progressive decrease in dentine permeability following cavity preparation. Pashley DH, et al. **Arch Oral Biol** 1983; 28(9):853–8

The effects of acid etching on the in-vivo permeability of dentine in the dog. Pashley DH, et al. **Arch Oral Biol** 1983; 28(7):555–9

The effect on dentine permeability of time following cavity preparation in dogs. Pashley DH, et al. **Arch Oral Biol** 1984;29(1):65–8

Diffusion in mammalian tooth enamel in relation to the caries process. van Dijk JW, et al. **Arch Oral Biol** 1983; 28(7):591–7 (25 ref.)

[Permeability of root canal walls enlarged for post anchorage in permanent incisors, canine and premolar teeth] Posti JJ. **Proc Finn Dent Soc** 1983;79(4):180–2 (Eng. Abstr.) **(Fin)**

[Permeability of the enamel of pulpectomized teeth] Borovskii EV, et al. **Stomatologiia (Mosk)** 1983 Jul–Aug; 62(4):9–11 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of phytate and hexadecylamine on the permeability of bovine dental enamel. Borggreven JM, et al. **Arch Oral Biol** 1983;28(5):375–9

A study of the state and depth of resin penetration into acid-etched enamel. Xu HC, et al. **Aust Dent J** 1983 Dec; 28(6):359–65

The effect of enamel de- and remineralization on permeability to iodide and urea. Amdur BH, et al. **J Dent Res** 1983 Oct;62(10):1067–8

[Permeability of formocresol into the root dentin and its effects on the periodontium in dogs] Araki K. **Kokubyo Gakkai Zasshi** 1983 Dec;50(4):588–601 (Eng. Abstr.) **(Jpn)**

[Effect of remineralization therapy on enamel mineralization processes and permeability] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):7–10 (Eng. Abstr.) **(Rus)**

TOOTH REIMPLANTATION see **TOOTH REPLANTATION**

TOOTH REMINERALIZATION see **TOOTH CALCIFICATION**

TOOTH REPLANTATION

An electrophysiological study of the reinnervation of reimplanted and autotransplanted teeth in the cat. Robinson PP. **Arch Oral Biol** 1983;28(12):1139–47

Cryopreservation of mature teeth before replantation in monkeys (I). Effect of different cryoprotective agents and freezing devices. Schwartz O, et al. **Int J Oral Surg** 1983 Dec;12(6):425–36

The effect of splinting upon healing after tooth replantation—a histological study in rat molars. Gabrielli MF, et al. **J Nihon Univ Sch Dent** 1984 Mar;26(1):59–71

[Reimplantation of luxated incisors: current status of the problem] Themar P, et al. **Actual Odontostomatol (Paris)** 1984 Jun;146:181–98 (Eng. Abstr.) **(Fre)**

METHODS

Autogenic transplantation of a developing tooth. Badger GR. **ASDC J Dent Child** 1983 Sep–Oct;50(5):358–60

Replantation of avulsed teeth after long extra-alveolar periods. Heimdahl A, et al. **Int J Oral Surg** 1983 Dec; 12(6):413–7

Replantation. Czonstkowsky M, et al. **Oral Surg** 1984 May; 57(5):558–9

Intentional replantation to prevent predictable endodontic failures. Nosonowitz DM, et al. **Oral Surg** 1984 Apr; 57(4):423–32

[Test of dental homotransplantation after thin layer metal plating in animals] Dodo S, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):357–64 (Eng. Abstr.) **(Fre)**

TOOTH RESORPTION

COMPLICATIONS

Focal root resorption lacunae causing retention of subgingival plaque in periodontal pockets. Schroeder HE, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Oct; 93(10):1033–41 (23 ref.)

[An acro-osteolysis syndrome and its implications for dentistry] Végh T. **Fogorv Sz** 1983 Aug;76(8):236–40 (Eng. Abstr.) **(Hun)**

ETIOLOGY

External cervical resorption after bleaching a pulpless tooth. Montgomery S. **Oral Surg** 1984 Feb;57(2):203–6

[Idiopathic reabsorption of the crown of an impacted upper cuspid] Di Maggio C, et al. **Radiol Med (Torino)** 1983 May; 69(5):327–8 **(Ita)**

PHYSIOPATHOLOGY

Resorption of dentine by isolated osteoclasts in vitro. Boyde A, et al. **Br Dent J** 1984 Mar 24;156(6):216–20

[Undermining resorption of 2d deciduous molars during eruption of 6th-year molars] Rinderer LA. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):471–97 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

External resorption of an unerupted third molar. Kalamchi S. **Oral Surg** 1983 Sep;56(3):338

Amalgam restoration in a submerged tooth. Rogers JV, et al. **Oral Surg** 1984 Feb;57(2):233

THERAPY

[Successful conservative treatment of internal granuloma] Fényes E. **Fogorv Sz** 1984 May;77(5):147–9 (Eng. Abstr.) **(Hun)**

TOOTH ROOT

see related
APICOECTOMY
ROOT RESORPTION

Soft tissue reaction to an autologous root implant. Klein DJ, et al. **J Prosthet Dent** 1984 Jul;52(1):82–7

Canine tooth root infection as a cause of facial abscess in the common marmoset (Callithrix jacchus). Baskerville M. **Lab Anim** 1984 Apr;18(2):115–8

[Appearance of caries on exposed root surfaces. Is there a relation to the incidence of coronal caries?] Raetzke P, et al. **Dtsch Zahnarztl Z** 1983 Oct;38(10):944–5 (Eng. Abstr.) (Ger)

ABNORMALITIES

Stevens-Johnson syndrome: report of case with abnormal root development. Ranalli DN, et al. **ASDC J Dent Child** 1984 Jul–Aug;51(4):298–301

Dental root agenesis secondary to irradiation therapy in a case of rhabdomyosarcoma of the middle ear. Dury DC, et al. **Oral Surg** 1984 Jun;57(6):595–9

Bilateral triple-rooted mandibular second premolars. Hoyle DE, et al. **Oral Surg** 1984 Jul;58(1):120

Unusual malformed root. Kogon S. **Oral Surg** 1984 May; 57(5):580

ANALYSIS

Preliminary characterization of material eluted from roots affected by juvenile periodontitis. Fine DH, et al. **J Periodont Res** 1984 Mar;19(2):146–151

ANATOMY & HISTOLOGY

Root surface measurements of mandibular molars using stereophotogrammetry. Anderson RW, et al. **J Am Dent Assoc** 1983 Oct;107(4):613–5

The effect of an air–powder abrasive system on in vitro root surfaces. Atkinson DR, et al. **J Periodontol** 1984 Jan; 55(1):13–8

A histometric evaluation of the effect of citric acid preparation upon healing of coronally positioned flaps in nonhuman primates. Woodyard SG, et al. **J Periodontol** 1984 Apr;55(4):203–12

Four-year longitudinal study of the periodontal health status of overdenture patients. Renner RP, et al. **J Prosthet Dent** 1984 May;51(5):593–8

Pulpal effect of citric acid applied topically to root surfaces. Yeung S, et al. **Oral Surg** 1983 Sep;56(3):317–20

Microradiographic and polarized light study of red deer root dentin with special reference to occurrence of giant tubules. Hals E. **Scand J Dent Res** 1984 Jun;92(3):183–9

[Test of dental homotransplantation after thin layer metal plating in animals] Dodo S, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):357–64 (Eng. Abstr.) (Fre)

[Effect of the root anatomy of the lower molars on the control of bacterial plaque] Cattabriga M, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):803–7 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Highly acid SnF2 and TiF4 solutions. Effect on and chemical reaction with root dentin in vitro. Tveit AB, et al. **Caries Res** 1983;17(5):412–8

Effects of phosphoric acid on root dentin surface. A scanning and transmission electron microscopic study. Héritier M. **J Periodont Res** 1984 Mar;19(2):168–76

Ultrastructural study of new connective tissue attachment following phosphoric acid application on human root dentin. Heritier M. **J Periodontol** 1983 Sep;54(9):515–21

EMBRYOLOGY

Furcation development of human mandibular first molar teeth. A histologic graphic reconstructional study. Bower RC. **J Periodont Res** 1983 Jul;18(4):412–9

INJURIES

Adult root fracture. Bender IB, et al. **J Am Dent Assoc** 1983 Sep;107(3):413–9

Clinical considerations ... the diagnosis and treatment of intra-alveolar root fractures. Bender IB, et al. **J Am Dent Assoc** 1983 Oct;107(4):595–600

Dowel materials and root fracture. Eshelman EG Jr, et al. **J Prosthet Dent** 1983 Sep;50(3):342–4

MICROBIOLOGY

Microscopic evaluation of root surface associations in vivo. Fine DH, et al. **J Periodont Res** 1984 Mar;19(2):152–67

PATHOLOGY

The histology of sclerotic human root dentine. Vasiliadis L, et al. **Arch Oral Biol** 1983;28(8):693–700

The amount and distribution of sclerotic human root dentine. Vasiliadis L, et al. **Arch Oral Biol** 1983;28(7):645–9

Effect of fluoride on in vitro root surface lesions. Al-Joburi W, et al. **Caries Res** 1984;18(1):33–40

Middle zone of the root surface integument of human teeth affected by chronic periodontitis. Newman HN, et al. **J Clin Periodontol** 1984 Jan;11(1):16–20

Development of an index for the prevalence of root caries. Katz RV. **J Dent Res** 1984 May;63 Spec No:814–9

An unexpected adverse reaction due to a retained root. Kramer S. **NY State Dent J** 1983 Dec;49(10):768–70

Hemorrhagic (traumatic) cyst of the mandible associated with a retained root apex. Cohen MA. **Oral Surg** 1984 Jan; 57(1):26–7

[In vitro attachment of cultured L-fibroblasts to treated periodontal root surface] Huang ZR. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Dec;18(4):193–5 (Chi)

[Histological study of resected roots after endodontic treatment] Lovasi Z, et al. **Fogorv Sz** 1983 Nov; 76(11):341–4 (Eng. Abstr.) (Hun)

PHYSIOLOGY

Variability of effective root torque as a function of edge bevel on orthodontic arch wires. Sebanc J, et al. **Am J Orthod** 1984 Jul;86(1):43–51

Healthy roots: a solid foundation for the future. Feiglin B. **Int Dent J** 1984 Mar;34(1):13–27

Reevaluation of submerged vital roots. Bowles WH, et al. **J Am Dent Assoc** 1983 Sep;107(3):429–32

Healing following citric acid conditioning of roots implanted into bone and gingival connective tissue. Gottlow J, et al. **J Periodont Res** 1984 Mar;19(2):214–220

The retention of vital submucosal roots under immediate dentures: a surgical procedure. Garver DG, et al. **J Prosthet Dent** 1983 Dec;50(6):753–6

Free autogenous graft coverage of vital retained roots. Lambert PM, et al. **J Prosthet Dent** 1983 Nov;50(5):611–7

The endodontic management of teeth with incompletely formed apices. Schlagel E, et al. **NY State Dent J** 1984 Apr;50(4):208–11

[Second-generation roots] Mugnier A, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):285–90 (Eng. Abstr.) (Fre)

[Model of electrical current distribution in the tooth root during electrophoresis] Mamedova FM, et al. **Stomatologiia (Mosk)** 1983 Sep-Oct;62(5):21–3 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Use of radiographs in endodontic treatment [letter] Watson RM. **Br Dent J** 1984 Apr 21;156(8):273

Root calculus. Shaffer EL. **Oral Surg** 1983 Nov;56(5):564

[Maxillary central incisor root changes before and after orthodontic treatment] Ji CR. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Jun;18(2):119–20 (Chi)

SURGERY

Treatment of a labial fenestration of a lower incisor tooth apex. Rawlinson A. **Br Dent J** 1984 Jun 23;156(12):448–9

Autogenous dermal graft coverage of submerged roots in the dog. Lambert PM, et al. **J Oral Maxillofac Surg** 1984 Sep;42(9):595–9

The effect of notching and citric acid on healthy root surfaces in dogs. Gara GG, et al. **J Periodont Res** 1984 Jan; 19(1):100–10

Variations in subgingival microflora from healthy and intervention sites using probing depth and bacteriologic identification criteria. Greenwell H 3d, et al. **J Periodontol** 1984 Jul;55(7):391–7

Connective tissue regeneration to periodontally diseased roots, planed and conditioned with citric acid and implanted into the oral mucosa. López NJ. **J Periodontol** 1984 Jul;55(7):381–90

Endodontic therapy using hemisections and root amputations. Symons B. **NY State Dent J** 1984 Apr;50(4):225–7

TRANSPLANTATION

Ossicular reconstruction—a new prosthesis. Kirtane MV, et al. **J Laryngol Otol** 1984 May;98(5):445–8

ULTRASTRUCTURE

[Comparison of the surface roughness of root dentin after treatment with diamond grinding heads and hand instruments] Schwarz JP, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):343–54 (Eng. Abstr.) (Ger)

TOOTH, SUPERNUMERARY

COMPLICATIONS

[Retention of upper incisors due to supernumerary teeth] Peres F, et al. **Rev Port Estomatol Cir Maxilofac** 1983 Oct–Dec;24(4):541–8 (Por)

FAMILIAL & GENETIC

Supernumerary teeth in a family. Konttinen ML, et al. **Proc Finn Dent Soc** 1984;80(2):80–4

OCCURRENCE

Hypodontia, hyperodontia, and double formation of primary teeth in Iceland. An epidemiological study. Magnússon TE. **Acta Odontol Scand** 1984 Jun;42(3):137–9

PATHOLOGY

Unerupted maxillary anterior supernumerary teeth: report of 204 cases. Tay F, et al. **ASDC J Dent Child** 1984 Jul–Aug; 51(4):289–94

A case report of bilateral double teeth. Moore KH. **Br J Orthod** 1984 Jan;11(1):40–1

[Supernumerary molars] Fleury JE, et al. **Rev Stomatol Chir Maxillofac** 1984;85(2):136–41 (Eng. Abstr.) (Fre)

[Supernumerary teeth] Fleury JE, et al. **Rev Stomatol Chir Maxillofac** 1984;85(2):142–50 (Eng. Abstr.) (Fre)

[Case of extreme supernumerary teeth] Fischer-Brandies E, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):70–2 (Eng. Abstr.) (Ger)

[Postpermanent dentition. Report of a clinical case] Deli R, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):259–63 (Eng. Abstr.) (Ita)

RADIOGRAPHY

Roentgen oddities. Jackson C, et al. **NY State Dent J** 1984 Jan;50(1):40

Fused supernumerary tooth. Chapman KW, et al. **Oral Surg** 1984 Jul;58(1):1[illegible]9

Multiple supernumerary teet. [illegible]eslie JC. **Oral Surg** 1984 Apr; 57(4):463

Multiple supernumerary teeth. Rosenthaler H, et al. **Oral Surg** 1983 Aug;56(2):227

Polydactyly associated with missing and supernumerary teeth. Yee AP. **Oral Surg** 1983 Nov;56(5):565

[Unusual fissural cysts and an odd mesiodens] Deplagne H. **Rev Stomatol Chir Maxillofac** 1984;85(3):232–4 (Eng. Abstr.) (Fre)

SURGERY

The treatment of fusion of a maxillary central incisor and a supernumerary: report of a case. Maréchaux SC. **ASDC J Dent Child** 1984 May–Jun;51(3):196–9

Dental management of cleido-cranial dysostosis. Case report. Bishop RG. **Aust Dent J** 1984 Feb;29(1):1–4

Bilateral supplemental laterals: an unusual transplantation approach. Robertson NR, et al. **Br J Orthod** 1984 Jan; 11(1):21–3

The palatally impacted mesiodens. Morley KR, et al. **Can Dent Assoc J** 1983 Aug;49(8):571–4

TOOTH SUPPORTING STRUCTURES see **PERIODONTIUM**

TOOTH, UNERUPTED

see related
TOOTH, IMPACTED

ANATOMY & HISTOLOGY

Prediction of the widths of unerupted canines and premolars. Staley RN, et al. **J Am Dent Assoc** 1984 Feb;108(2):185–90

PATHOLOGY

Unerupted maxillary anterior supernumerary teeth: report of 204 cases. Tay F, et al. **ASDC J Dent Child** 1984 Jul–Aug; 51(4):289–94

RADIOGRAPHY

Localisation of misplaced maxillary canines: orthopantomograph and P.A. skull views compared. Coupland MA. **Br J Orthod** 1984 Jan;11(1):27–32

Metallic foreign body. Damm DD, et al. **Oral Surg** 1984 Apr;57(4):464

SURGERY

Dental management of cleido-cranial dysostosis. Case report. Bishop RG. **Aust Dent J** 1984 Feb;29(1):1–4

Unerupted maxillary canines [letter] Godfrey JL. **Br Dent J** 1983 Sep 10;155(5):145

[Method of extracting retained teeth] Nespriad'ko VP. **Stomatologiia (Mosk)** 1984 May–Jun;63(3):66–7 (Eng. Abstr.) (Rus)

THERAPY

Dilaceration—a surgical/orthodontic solution. Davies PH, et al. **Br Dent J** 1984 Jan 7;156(1):16–8

ULTRASTRUCTURE

A scanning electron microscope study of dentinal tubules from un-erupted human teeth. Thomas HF, et al. **Arch Oral Biol** 1983;28(12):1125–30

Surface ultrastructure of unerupted mature human enamel. Fejerskov O, et al. **Caries Res** 1984;18(4):302–14

TOOTH, WISDOM see **MOLAR, THIRD**

TOOTHACHE

DIAGNOSIS

An evaluation of dental pain using visual analogue scales and the Mcgill Pain Questionnaire. Seymour RA, et al.

J Oral Maxillofac Surg 1983 Oct;41(10):643–8

Applicability of the McGill Pain Questionnaire to the differentiation of 'toothache' pain. Grushka M, et al. Pain 1984 May;19(1):49–57

ETIOLOGY

Orofacial pain. Tsaknis PJ. Ear Nose Throat J 1984 Jul; 63(7):313–29

OCCURRENCE

A review of the incidence of pain after an operation treatment visit: Part I. Grover PS, et al. J Prosthet Dent 1984 Feb; 51(2):224–5 (19 ref.)

A clinical study of the incidence of pain after an operative treatment visit: Part II. Grover PS, et al. J Prosthet Dent 1984 Mar;51(3):369–71

PHYSIOPATHOLOGY

Neuromagnetic localization of cortical activity evoked by painful dental stimulation in man. Hari R, et al. Neurosci Lett 1983 Nov 21;42(1):77–82

An electrophysiological study of canine, premolar and molar tooth pulp afferents and their convergence on medullary trigeminal neurons. Dostrovsky JO. Pain 1984 May; 19(1):1–12

[Pain sensitivity of the teeth in diabetes mellitus patients] Maksimovskii IuM, et al. Stomatologiia (Mosk) 1984 Mar–Apr;63(2):13–4 (Eng. Abstr.) (Rus)

TOOTHBRUSHING

Appearance of finished and unfinished composite surfaces after toothbrushing. A scanning electron microscopy study. van Dijken JW, et al. Acta Odontol Scand 1983 Dec; 41(6):377–83

Observations on gingival health in communities with and without school-based preventive programs. Marthaler TM, et al. J Clin Periodontol 1983 Nov;10(6):602–8

Preventing periodontal disease [letter] Sutton PR. NZ Med J 1984 Aug 8;97(761):537–8

[Comparative study of the effect of a .5% NaF solution by mouthwash, toothbrushing or both, in the prevention of dental caries] Castellanos RA. Rev Saude Publica 1983 Dec; 17(6):461–75 (Eng. Abstr.) (Por)

[Effects of storage conditions on the rate of disappearance of bacterial contamination of toothbrushes] Misirligil A, et al. Mikrobiyol Bul 1984 Jan;18(1):47–52 (Eng. Abstr.) (Tur)

INSTRUMENTATION

Characteristics of toothbrushes. Chong MP, et al. Aust Dent J 1983 Aug;28(4):202–11

An idea for denture cleaning [letter] McKnight ID. Br Dent J 1983 Oct 8;155(7):215

Relative effectiveness of a rotary and conventional toothbrush in plaque removal. Walsh TF, et al. Community Dent Oral Epidemiol 1984 Jun;12(3):160–4

Soft or hard bristles [letter] Magness WB. J Am Dent Assoc 1983 Aug;107(2):144

Comparison of the clinical effectiveness of a single and a double headed toothbrush. Bastiaan RJ. J Clin Periodontol 1984 May;11(5):331–9

Frequency of gingival lesions after standardized brushing as related to stiffness of toothbrush and abrasiveness of dentifrice. Niemi ML, et al. J Clin Periodontol 1984 Apr; 11(4):254–61

The relative merits of desensitizers and the role of the electro–ionizing toothbrush [letter] Gangarosa LP Sr. J Periodontol 1984 Apr;55(4):252

The end-tuft toothbrush for the partially edentulous patient. Naylor WP, et al. J Prosthet Dent 1984 Aug;52(2):311

Efficacy of plaque–removal using interdental brushes and waxed dental floss. Bergenholtz A, et al. Scand J Dent Res 1984 Jun;92(3):198–203

[Effect of different toothbrushes and tooth cleaning technics on interdental plaque removal on teeth with and without fixed orthodontic appliances—an experimental model] Hotz PR, et al. Schweiz Monatsschr Zahnmed 1984 Jul; 94(7):572–9 (Eng. Abstr.) (Ger)

[Effect of the bristle stiffness of toothbrushes on the force exerted, gingival damage and plaque removal] de Trey ER. SSO Schweiz Monatsschr Zahnheilkd 1983 Oct; 93(10):1007–16 (30 ref.) (Eng. Abstr.) (Ger)

[The value of exfoliative cytology in the evaluation of materials for dental and gum care] Rigó O, et al. Fogorv Sz 1983 Aug;76(8):241–4 (Eng. Abstr.) (Hun)

[The toothbrush—the most accessible personal hygiene tool] Stomatologiia (Mosk) 1983 Sep–Oct;62(5):90 (Rus)

METHODS

Oral hygiene status and habitual toothbrushing in children. Nyyssönen V, et al. ASDC J Dent Child 1984 Jul–Aug; 51(4):285–8

Contingent public posting of photographs to reinforce dental hygiene. Promoting effective toothbrushing by elementary school children. Blount RL, et al. Behav Modif 1984 Jan; 8(1):79–92

Toothbrushing efficiency in smokers and non–smokers. MacGregor ID. J Clin Periodontol 1984 May;11(5):313–20

Role of brushing technique and toothbrush design in plaque removal. Bergenholtz A, et al. Scand J Dent Res 1984 Aug; 92(4):344–51

TOOTHPASTE see under DENTIFRICES

TOPECTOMY see PSYCHOSURGERY

TORPEDO

Hydrophobic labeling of the membrane binding domain of acetylcholinesterase from Torpedo marmorata. Stieger S, et al. FEBS Lett 1984 Mar 26;168(2):231–4

BLOOD

Cytochemical identification of the leukocytes of torpedoes (Torpedo marmorata Risso and Torpedo ocellata Rafinisque). Grimaldi MC, et al. Basic Appl Histochem 1983;27(4):311–7

GROWTH & DEVELOPMENT

Torpedo electromotor system development: a quantitative analysis of synaptogenesis. Fox GQ, et al. J Comp Neurol 1984 Apr 10;224(3):337–43

IMMUNOLOGY

Binding of anti–acetylcholine receptor antibodies inhibits the acetylcholine receptor mediated cation flux. Gonzalez–Ros JM, et al. Biochem Biophys Res Commun 1984 Apr 30; 120(2):368–75

Lack of cross–reactivity of a monoclonal antibody against the neurotransmitter site of Torpedo nicotinic acetylcholine receptor with muscle receptors from several sources. James RW, et al. Mol Immunol 1983 Dec;20(12):1363–8

METABOLISM

The metabolism of neuropeptides. Both phosphoramidon–sensitive and captopril–sensitive metallopeptidases are present in the electric organ of Torpedo marmorata. Turner AJ, et al. Biochem J 1984 Aug 15;222(1):255–9

Photoaffinity labeling of a synaptic vesicle specific nucleotide transport system from Torpedo marmorata. Lee DA, et al. Biochemistry 1983 Dec 20;22(26):6123–30

Acetylcholine receptors from Torpedo californica membrane vesicles are metabolized after fusion with cultured mammalian muscle cells. Miller JB, et al. Brain Res 1984 Mar 19;295(2):227–31

Structural differences in the catalytic subunits of acetylcholinesterase forms from the electric organ of Torpedo marmorata. Witzemann V, et al. EMBO J 1983; 2(6):873–8

Effects of calcium on the binding of phencyclidine to acetylcholine receptor–rich membrane fragments from Torpedo californica electroplaque. Oswald RE. J Neurochem 1983 Oct;41(4):1077–84

Localization of phencyclidine binding sites on alpha and beta subunits of the nicotinic acetylcholine receptor from Torpedo ocellata electric organ using azido phencyclidine. Haring R, et al. J Neurosci 1984 Mar;4(3):627–37

Possible modulation of phosphorylation of acetylcholine receptor–enriched membrane preparations. Carstens ME, et al. Neurochem Res 1984 Feb;9(2):195–206

Enrichment of cyclic adenosine 3',5'–monophosphate and cyclic guanosine 3',5'–monophosphate in cholinergic axon terminals of the Torpedo electric organ. Röhrkasten A, et al. Neurosci Lett 1983 Dec 2;42(2):201–6

PHYSIOLOGY

The Torpedo electric organ is a model for opiate regulation of acetylcholine release. Michaelson DM, et al. Brain Res 1984 Jul 2;305(1):173–6

The nicotinic acetylcholine receptor from Discopyge tschudii: purification, characterization and reconstitution into liposomes. Ochoa EL, et al. Comp Biochem Physiol [C] 1983;76(2):313–7

Ecto–adenosine triphosphatase activity at the cholinergic nerve endings of the Torpedo electric organ. Keller F, et al. Life Sci 1983 Dec 26;33(26):2635–41

The action of aminopyridine on the electromotor synapse of Torpedo marmorata. Erdélyi L. Neurosci Lett 1983 Sep 9;39(3):291–4

Dimeric structure of single chloride channels from Torpedo electroplax. Miller C, et al. Proc Natl Acad Sci USA 1984 May;81(9):2772–5

TORSADE DE POINTES see TACHYCARDIA

TORTICOLLIS

Torticollis. Klassen AC. Postgrad Med 1984 May 15; 75(7):124–5

[Paroxysmal torticollis in infancy] Militerni R, et al. Pediatria (Napoli) 1983 Jun–Sep;91(2–3):265–7 (Eng. Abstr.) (Ita)

COMPLICATIONS

Spasmodic torticollis as a cause of ulnar nerve entrapment. Weingarden SI, et al. Neurosurgery 1984 Mar;14(3):332–4

CONGENITAL

[Congenital myogenic torticollis] Sepúlveda R, et al. Rev Chil Pediatr 1983 Jul–Aug;54(4):254–8 (Eng. Abstr.) (Spa)

DIAGNOSIS

Benign paroxysmal torticollis in infancy. Hanukoglu A, et al. Clin Pediatr (Phila) 1984 May;23(5):272–4

[Ocular torticollis: diagnosis and prognosis] Bellizzi M, et al. J Fr Ophtalmol 1983;6(6–7):589–91 (Eng. Abstr.) (Fre)

[Clinical and electromyographic studies in spasmodic torticollis] Fasshauer K. Nervenarzt 1983 Oct;54(10):535–9 (Ger)

DRUG THERAPY

Spasmodic torticollis and other idiopathic torsion dystonias. Medical management. Lee MC. Postgrad Med 1984 May 15;75(7):139–41, 144–6

Beneficial effect of sodium valproate and baclofen in spasmodic torticollis. A case report. Sandyk R. S Afr Med J 1984 Jan 14;65(2):62–3

ETIOLOGY

Head tilt: a revisit to an old sign of posterior fossa tumors. Taboas–Pérez RA, et al. Bol Asoc Med PR 1984 Feb; 76(2):62–5

Establishing an etiology for torticollis. Kiwak KJ. Postgrad Med 1984 May 15;75(7):126–34

Sandifer's syndrome—a rare complication of hiatal hernia. A case report. Hadari A, et al. Z Kinderchir 1984 Jun; 39(3):202–3

[Rotatory subluxation of the atlas after tonsillectomy] Perricone G, et al. Chir Organi Mov 1982–83;68(2):261–5 (Eng. Abstr.) (Ita)

[Acquired myogenic torticollis: clinical documentation of a rare case of 'otogenic torticollis' as a result of acute purulent mastoiditis] Rubbini L, et al. Chir Organi Mov 1982–83;68(2):267–71 (Eng. Abstr.) (Ita)

[Sandifer syndrome] Gutiérrez Macías A, et al. An Esp Pediatr 1984 Feb 15;20(2):126–9 (Eng. Abstr.) (Spa)

[Herniated intervertebral disk with calcification, causing torticollis in a 10 year old boy] Eeg–Olofsson O, et al. Lakartidningen 1983 Sep 14;80(37):3320–1 (Swe)

PATHOLOGY

Pathological features of idiopathic torticollis in the duck—a model for human disease. Gopalakrishnakone P. J Comp Pathol 1984 Jul;94(3):453–62

PSYCHOLOGY

[Neuropsychologic aspects of spastic torticollis] Witzmann A, et al. Wien Med Wochenschr 1984 Jan 31;134(2):45–8 (Eng. Abstr.) (Ger)

SURGERY

Surgical management of torticollis. Maxwell RE. Postgrad Med 1984 May 15;75(7):147–52, 154–5

[Muscular wryneck] Wirth CJ, et al. Aktuel Probl Chir Orthop 1983;27:1–75 (Ger)

[Surgical treatment and long–term result of spasmodic torticollis] Motomochi M, et al. Neurol Med Chir (Tokyo) 1983 Sep;23(9):741–6 (Eng. Abstr.) (Jpn)

THERAPY

Acupuncture point D'arsonval electrotherapy and faradization in 42 cases of spasmodic torticollis. Li JY. Chin Med J [Engl] 1983 Aug;96(8):591–3

[Therapeutic gymnastics in spastic torticollis] Tkacheva GR, et al. Klin Med (Mosk) 1983 Sep;61(9):72–5 (9 ref.) (Eng. Abstr.) (Rus)

TORTURE

The continuing South African controversy. Johnson E. Can Med Assoc J 1984 Jun 15;130(12):1623–4

Evidence of torture in Chile [letter] Kennedy E. Can Med Assoc J 1983 Nov 1;129(9):928

Chronic organic psycho–syndrome in Greek torture victims. Abildgaard U, et al. Dan Med Bull 1984 Jun;31(3):239–42

Victims of torture. Milwertz J. Int Nurs Rev 1984 Jul–Aug; 31(4):123–4

Examination of a teacher from El Salvador. Gordon E, et al. Lancet 1984 Jan 28;1(8370):213–4

Torture and the teaching of medical ethics [editorial] Allbrook DB. Med J Aust 1983 Sep 3;2(5):206–7

Torture, doctors and the WMA [letter] Kosteljanetz M. Med J Aust 1984 Feb 4;140(3):178–9

Torture, doctors and the World Medical Association. Wilson LL. Med J Aust 1983 Sep 3;2(5):236–9

Amnesty International—campaign against torture [letter] Miles JA. NZ Med J 1984 Apr 25;97(754):273–4

[The Council of Europe honors 4000 physicians' work against torture] Rasmussen E. Nord Med 1983;98(12):305–6 (Dan)

[Torture in Chile in 1980–1982. A study on Chilean nationals submitted to torture in their own country] Wallach M, et

al. Ugeskr Laeger 1983 Aug 1;145(31):2349–52 (Eng. Abstr.) (Dan)

TORULA see CRYPTOCOCCUS

TORULOPSIS

Studies on the interferon-inducing activity of the yeast polysaccharide with reference to its antitumor effect in mice. Suzuki S. Sci Rep Res Inst Tohoku Univ [Med] 1983 Dec;30(1–4):56–64

ANALYSIS

A modified nucleoside located in the anticodon of proline tRNA from Torulopsis utilis is 5-carbamoylmethyluridine. Ogawa K, et al. Nucleic Acids Symp Ser 1983;(12):131–2

CLASSIFICATION

Taxonomic study of four yeast strains assimilating methanol. Nowakowska-Waszczuk A, et al. Acta Microbiol Pol 1983; 32(1):73–85

CYTOLOGY

[Cell cycle of Candida utilis daughter cells developing at different glucose concentrations] Vraná D. Mikrobiologiia 1983 May–Jun;52(3):487–9 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Toxicity of 5-thioglucose towards a pathogenic yeast, Torulopsis glabrata. Arnold WN. Arch Microbiol 1983 Nov;136(2):114–6

[Effects of cadmium, zinc, lead and mercury on the growth and accumulating ability of Saccharomyces cerevisiae, Saccharomycopsis lipolytica, Candida tropicalis, and Candida utilis] Grafl HJ, et al. Zentralbl Bakteriol Mikrobiol Hyg [B] 1983 Jan; 177(1–2):57–74 (Eng. Abstr.) (Ger)

[Chemical composition and morphological changes in the cells in a chemostat Candida utilis culture inhibited by zinc ions] Andreeva EA, et al. Mikrobiologiia 1983 Nov–Dec; 52(6):924–8 (Eng. Abstr.) (Rus)

ENZYMOLOGY

A simple micromethod for rapid kinetic analyses of yeast enzymes in situ. Choudary PV. Anal Biochem 1984 May 1;138(2):425–9

Evidence for the proximity of a cysteine and a lysine residue in the active site of 6-phosphogluconate dehydrogenase from Candida utilis. Dallocchio F, et al. Ital J Biochem 1983 Mar–Apr;32(2):124–30

Induction of pyruvate decarboxylase in Candida utilis. Franzblau SG, et al. Mycopathologia 1983;83(1):29–33

GENETICS

Analysis of a five gene cluster and unique orientation of large genic sequences in Torulopsis glabrata mitochondrial DNA. Clark-Walker GD, et al. J Mol Evol 1983; 19(5):342–5

GROWTH & DEVELOPMENT

A biosynthetic role for carnitine in the yeast Torulopsis bovina. Emaus RK, et al. J Biol Chem 1983 Nov 10; 258(21):13160–5

[Growth of test microorganisms used in determining antibiotic activity on synthetic nutrient media] Vasil'eva NG, et al. Antibiotiki 1984 Jun;29(6):403–7 (Eng. Abstr.) (Rus)

[Use of a control electropneumatic device for studying the cyclic changes in yeast cultivation conditions] Sokolov DP, et al. Mikrobiologiia 1983 Jul–Aug;52(4):673–6 (Eng. Abstr.) (Rus)

METABOLISM

Significance of yeast peroxisomes in the metabolism of choline and ethanolamine. Zwart KB, et al. Antonie Van Leeuwenhoek 1983 Nov;49(4–5):369–85

Transport of nutrients in yeast protoplasts. Kotyk A. Experientia [Suppl] 1983;46:209–12

A sulfate, sulfite and thiosulfate incorporating system in Candida utilis. Alonso A, et al. Folia Microbiol (Praha) 1984;29(1):8–13

Microbial transformation of rubeomycin A to rubeomycin B. Ogawa Y, et al. J Antibiot (Tokyo) 1983 Nov; 36(11):1561–3

PATHOGENICITY

Relative effectiveness of various yeasts, Candida spp. and Torulopsis glabrata, for inducing palatal infection in the Wistar rat. Shakir BS, et al. Arch Oral Biol 1983; 28(11):1069–71

PHYSIOLOGY

[Ascospore formation in yeasts related to Torulopsis candida] Blagodatskaia VM. Mikrobiologiia 1983 Sep–Oct; 52(5):834–8 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

[Ultrastructure of Candida utilis in continuous culture with various concentrations of the carbon source introduced by different technics] Petrikevich SB, et al. Mikrobiologiia 1983 Sep–Oct;52(5):826–30 (Eng. Abstr.) (Rus)

TORULOSIS see CRYPTOCOCCOSIS

TOSYL COMPOUNDS

CHEMICAL SYNTHESIS

[Synthesis of antiproteolytic beta-tosylamino-gamma-(4-amidinophenyl) butyric acid derivatives] Horn H, et al. Pharmazie 1983 Dec; 38(12):889–90 (Ger)

TOXICITY

[Hygienic regulation of sodium toluene sulfonate in reservoir water] Kondratiuk VA, et al. Gig Sanit 1983 Aug;(8):67–9 (6 ref.) (Rus)

TOSYLARGININE METHYL ESTER see under ARGININE

TOSYLLYSINE CHLOROMETHYL KETONE see under AMINO ACID CHLOROMETHYL KETONES

TOSYLPHENYLALANYL CHLOROMETHYL KETONE see under AMINO ACID CHLOROMETHYL KETONES

TOTAL BODY IRRADIATION see WHOLE BODY IRRADIATION

TOTAL LUNG CAPACITY see under LUNG VOLUME MEASUREMENTS

TOUCH

Sequential versus simultaneous graphesthesia tasks in 6- and 10-year-old children. Smith CM, et al. Am J Occup Ther 1984 Jun;38(6):377–81

Finger ridge patterns and tactile sensitivity. Loesch DZ, et al. Ann Hum Biol 1984 Mar–Apr;11(2):113–24

Therapeutic touch as energy exchange: testing the theory. Quinn JF. ANS 1984 Jan;6(2):42–9

Touching and birthing. Older J. Aust NZ J Obstet Gynaecol 1983 Aug;23(3):161–4

Tactile perception [letter] Rosen S, et al. Br J Audiol 1983 Aug;17(3):213–4 (6 ref.)

Tactile sensitivity in systemic sclerosis. Assessment of two-point and circle discriminations of the digit. Serup J. Dermatologica 1984;168(6):279–82

The use of tactile and olfactory cues in neonatal orientation and localization of the nipple. Larson MA, et al. Dev Psychobiol 1984 Jul;17(4):423–36

Laboratory projects in tactile aids to lipreading. De Filippo CL. Ear Hear 1984 Jul–Aug;5(4):211–27

Vibrotactile forward masking: evidence for channel independence. Gescheider GA, et al. J Acoust Soc Am 1983 Aug;74(2):474–85

Effects of subject sex, examiner sex, and test apparatus on Halstead Category and Tactual Performance Tests. Kupke T. J Consult Clin Psychol 1983 Aug;51(4):624–6

Aging and the coding of spatial information. Moore TE, et al. J Gerontol 1984 Mar;39(2):210–2

Prosocial behavior as affected by eye contact, touch, and voice expression. Goldman M, et al. J Soc Psychol 1983 Oct;121(1st Half):125–9

Teaching touch at medical school. Older J. JAMA 1984 Aug 17;252(7):931–3

A touching piece. Hackett E. Med J Aust 1984 Jul 7; 141(1):28–30

A quantitative study of the time course of the reduction in Merkel cell number within denervated rat touch domes. Nurse CA, et al. Neuroscience 1984 Feb;11(2):521–33

A fluorescent microscopic study of the development of rat touch domes and their Merkel cells. Nurse CA, et al. Neuroscience 1984 Feb;11(2):509–20

Therapeutic touch: is there a scientific basis for the practice? Clark PE, et al. Nurs Res 1984 Jan–Feb;33(1):37–41

Maternal attachment behavior and the mother's self-concept: the effect of early skin-to-skin contact. Curry MA. Nurs Res 1982 Mar–Apr;31(2):73–8

Re: Therapeutic touch [letter] Krieger D. Nurs Res 1984 Sep–Oct;33(5):296–7

Touching with a wand. Heller MA, et al. Percept Mot Skills 1984 Apr;58(2):390

Functional method for assessing oral perceptual skills in children. Kumin L, et al. Percept Mot Skills 1984 Apr; 58(2):635–9

Muscular tone at rest: relationship with cutaneous pleasurable experience, an interpretation according to the dimensional approach to cerebral dominance. Ruggieri V, et al. Percept Mot Skills 1983 Aug;57(1):187–98

Hand preference in an Italian sample. Salmaso D, et al. Percept Mot Skills 1983 Dec;57(3 Pt 2):1039–42

Hemispheric routing of tactilely delivered words for dyslexic males. Sinatra R, et al. Percept Mot Skills 1983 Aug; 57(1):179–84

Touch and vision in normal and Down's syndrome babies. Lewis VA, et al. Perception 1982;11(6):691–701

Tactile aversion in infancy. Molteno CD, et al. S Afr Med J 1984 May 12;65(19):773–4

The meaning of touch in care practice. Pratt JW, et al. Soc Sci Med 1984;18(12):1081–8

[Supraspinal effects on the excitability cycle of the H-reflex in hypertensive and arteriosclerotic patients] Podivinský F, et al. Cesk Neurol Neurochir 1984 Jan;47(1):10–2 (Slo)

DRUG EFFECTS

Bimanual tactual discrimination in aging alcoholics. Oscar-Berman M, et al. Alcoholism (NY) 1983 Fall; 7(4):398–403

Comparison of therapeutic agents for synthetic pyrethroid exposure. Tucker SB, et al. Contact Dermatitis 1983 Jul; 9(4):316

Effects of vincristine sulfate on touch dome function in the rat. Leon J, et al. Exp Neurol 1984 May;84(2):283–91

Tactile (Merkel's) cells of sinuous hairs after colchicine application to a nerve in cats. Chelyshev YuA, et al. Neurosci Behav Physiol 1984 Mar–Apr;14(2):110–7

Unilateral injection of GABA agonists in the superior colliculus: asymmetry to tactile stimulation. Di Scala G, et al. Pharmacol Biochem Behav 1983 Aug;19(2):281–5

PHYSIOLOGY

Conditioned tactile placing in cats with unilateral neodecortication or spinal cord hemisection. Yu J. Acta Neurobiol Exp (Warsz) 1984;44(1):29–32

Loss of joint position sense with sparing of vibration sense in two cases of compressive cervical myelopathy. Savettieri G, et al. Acta Neurol (Napoli) 1984 Feb;6(1):11–5

Localization and identification of cutaneous stimuli [letter] Schady W. Arch Neurol 1984 Aug;41(8):815–6

Sensation elicited by mechanical stimuli to the oropharyngeal mucosa. Yamagiwa M, et al. Auris Nasus Larynx 1984; 11(1):37–42

Relative contributions of SII and area 5 to tactile discrimination in monkeys. Murray EA, et al. Behav Brain Res 1984 Jan;11(1):67–83

Bilateral cutaneous stimulation of the somatosensory system in hemidecorticate rats. Schallert T, et al. Behav Neurosci 1984 Jun;98(3):518–40

Brainstem influences on transmission of somatosensory information in the spinocervicothalamic pathway. Dostrovsky JO. Brain Res 1984 Feb 6;292(2):229–38

Reevaluation of motor cortex and of sensorimotor overlap in cerebral cortex of albino rats. Sanderson KJ, et al. Brain Res 1984 Feb 6;292(2):251–60

Responses of pyramidal tract neurons in the postcentral cortex to tactile inputs. Tanji J, et al. Brain Res 1983 Aug 29;273(2):352–5

Patterns of afferent projections to transitional zones in the somatic sensorimotor cerebral cortex of albino rats. Welker W, et al. Brain Res 1984 Feb 6;292(2):261–7

Reorganization of cerebral control of tactile placing after interrupting a spinal ascending system in cats with pyramid section. Yu J. Brain Res 1984 Jan 2;290(1):19–23

Dichhaptic recognition of shapes and letters in children. Gibson C, et al. Can J Psychol 1983 Mar;37(1):132–43

Scalp topography of human somatosensory evoked potentials: the effect of interfering tactile stimulation applied to the hand. Jones SJ, et al. Electroencephalogr Clin Neurophysiol 1984 Jul;58(1):25–36

Somatosensory evoked potentials associated with tactile stimulation at detection threshold in man. Soininen K, et al. Electroencephalogr Clin Neurophysiol 1983 Nov; 56(5):494–500

Absence of hind limb tactile placing in spinal cats and kittens. Bradley NS, et al. Exp Neurol 1983 Oct;82(1):73–88

Touch dome properties as a function of age. Leon J, et al. Exp Neurol 1984 May;84(2):274–82

Properties of cutaneous mechanoreceptors in the human hand related to touch sensation. Vallbo AB, et al. Hum Neurobiol 1984;3(1):3–14

The effect of training on discrimination of vibrotactual speech stimuli. Hurley RM. J Aud Res 1982 Jan;22(1):45–50

Reticular formation of the lower brainstem. A common system for cardiorespiratory and somatomotor functions: discharge patterns of neighboring neurons influenced by somatosensory afferents. Schulz B, et al. J Auton Nerv Syst 1983 Nov;9(2–3):433–49

Fractured cutaneous projections to the granule cell layer of the posterior cerebellar hemisphere of the domestic cat. Kassel J, et al. J Comp Neurol 1984 May 20;225(3):458–68

Anatomy of the gustatory system in the hamster: central projections of the chorda tympani and the lingual nerve. Whitehead MC, et al. J Comp Neurol 1983 Nov 10; 220(4):378–95

Modifying an underlying component of perceived arm length: adaptation of tactile location induced by spatial discordance. Craske B, et al. J Exp Psychol [Hum Percept] 1984 Apr;10(2):307–17

Touch sensibility in the hand. Dellon AL. J Hand Surg [Br] 1984 Feb;9(1):11–3

Tactile sensory coding during development: signaling capacities of neurons in kitten dorsal column nuclei. Connor KM, et al. J Neurophysiol 1984 Jul;52(1):86–98

Functional maturation of tactile sensory fibers in the kitten. Ferrington DG, et al. J Neurophysiol 1984 Jul;52(1):74–85

Neurons with unusual response and receptive-field properties

in upper laminae of cat SI cortex. McKenna TM, et al. **J Neurophysiol** 1984 May;51(5):1055–76

Head and body space to left and right, front and rear—II. Visuotactual and kinesthetic studies and left–side underestimation. Bradshaw JL, et al. **Neuropsychologia** 1983;21(5):475–86

Face touching in monkeys, apes and man evolutionary origins and cerebral asymmetry. Dimond S, et al. **Neuropsychologia** 1984;22(2):227–33

Vibrotactile subjective magnitude as a function of hand preference. Verrillo RT. **Neuropsychologia** 1983; 21(4):383–95

Therapeutic and physical touch: physiological response to stressful stimuli. Randolph GL. **Nurs Res** 1984 Jan–Feb; 33(1):33–6

Effect of lingual vibrotactile stimulation on the averaged cortical evoked response. Blackmon RC, et al. **Percept Mot Skills** 1983 Oct;57(2):383–9

Cutaneous temporal resolution values for 'sophisticated' and 'naive' subjects. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):831–4

Stability of magnitude production scales for oral and nonoral vibrotactile mechanoreceptive systems. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):691–7

Sensation magnitude scales for vibrotactile stimulation of the tongue and thenar eminence. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):843–8

Lingual vibrotactile sensation magnitudes: comparison of suprathreshold responses for three different age ranges. Fucci D, et al. **Percept Mot Skills** 1983 Aug;57(1):31–8

Stability of magnitude–production scales for lingual vibrotactile sensation. Fucci D, et al. **Percept Mot Skills** 1983 Oct;57(2):499–504

Influence of scaling range on vibrotactile power function exponents for the tongue and hand. Fucci D, et al. **Percept Mot Skills** 1983 Oct;57(2):642

Lingual vibrotactile perception: lingual pressure effects on neuro–sensory response. Kingsbury GD, et al. **Percept Mot Skills** 1984 Apr;58(2):411–5

Tactile and nutritional aspects of maternal care: specific regulators of neuroendocrine function and cellular development. Schanberg SM, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):135–46 (18 ref.)

Liminal and supraliminal response characteristics of mechanoreceptors of the hairy and foot pad skin of cat determined with short tactile pulses. Hämäläinen H, et al. **Q J Exp Physiol** 1983 Oct;68(4):619–27

Occlusal perception of thickness in patients with bridges on osseointegrated oral implants. Lundqvist S, et al. **Scand J Dent Res** 1984 Feb;92(1):88–92

Thickness discrimination threshold during conscious biting and chewing. Ravasini G, et al. **Schweiz Monatsschr Zahnmed** 1984 Feb;94(2):195–200

The brain's dynamic way of keeping in touch [news] Fox JL. **Science** 1984 Aug 24;225(4664):820–1

[Supraspinal control of changes in the H–reflex during tactile stimulation in patients with hemiparesis] Podivinský F, et al. **Cesk Neurol Neurochir** 1983 Jul;46(4):251–8 (Eng. Abstr.) **(Slo)**

TOURNIQUETS

Unwanted isolated limb [letter] Alegesan K. **Anaesthesia** 1983 Dec;38(12):1230–1

Venous pressures during simulated Bier's block. Lawes EG, et al. **Anaesthesia** 1984 Feb;39(2):147–9

Prevention of air embolism during sitting neurosurgery. The use of an inflatable venous neck tourniquet. Sale JP. **Anaesthesia** 1984 Aug;39(8):795–9

Comparison of the effects of positive end–expiratory pressure and jugular venous compression on canine cerebral venous pressure. Toung T, et al. **Anesthesiology** 1984 Aug; 61(2):169–72

The arterial tourniquet. Fletcher IR, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):409–17 (112 ref.)

Use of atracurium in the presence of lower or upper limb tourniquets [letter] Suppan P. **Br J Anaesth** 1984 Aug; 56(8):931–2

Tourniquet use in sickle cell disease patients. Martin WJ, et al. **J Am Podiatry Assoc** 1984 Jun;74(6):291–4

The minimum effective midthigh tourniquet pressure. Estersohn HS, et al. **J Foot Surg** 1982 Winter;21(4):281–4

Double tourniquet with linked mercury manometers for hand surgery. Neimkin RJ, et al. **J Hand Surg** 1983 Nov; 8(6):938–41

The tourniquet test in identifying diabetic retinopathy [letter] Aaby AA, et al. **JAMA** 1983 Oct 14;250(14):1843–4

A microtourniquet carrier for use in the microsurgical laboratory. Haines PC. **Microsurgery** 1983;4(2):140–1

A modified submaximal effort tourniquet test for evaluation of analgesics in healthy volunteers. Posner J. **Pain** 1984 Jun;19(2):143–51

Brief ties with a vascular tourniquet. Lehmann AL. **Surg Gynecol Obstet** 1984 May;158(5):500–1

Giant fusiform aneurysm of the middle cerebral artery treated with extracranial–intracranial arterial bypass and Drake tourniquet. Tognetti F, et al. **Surg Neurol** 1984 Jul; 22(1):33–5

[Carpal tunnel syndrome. Diagnostic and prognostic value of the tourniquet test] de la Caffinière JY, et al. **Rev Chir Orthop** 1984;70(3):245–51 (Eng. Abstr.) **(Fre)**

[Massive pulmonary embolism: case report of successful embolectomy with transatrial vena cava blockade] Haiderer O, et al. **Wien Med Wochenschr** 1983 Nov 15; 133(21):549–52 (Eng. Abstr.) **(Ger)**

[Effect of prolonged anesthesia and tourniquet–induced ischemia on endocrine function] Kudo M, et al. **Masui** 1983 Jun;32(6):764–9 (Eng. Abstr.) **(Jpn)**

[Use of pneumatic compression in the treatment of lymphedema of the upper limb in patients after radical antitumor treatment of breast cancer] Gerasimenko VN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar–Apr; (2):51–3 **(Rus)**

ADVERSE EFFECTS

Uncontrollable bleeding under tourniquet. Bunker TD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1905

Non–cardiac circulatory overload secondary to pneumatic thigh tourniquets. Maurer NH, et al. **J Am Podiatry Assoc** 1983 Nov;73(11):589–92

Sickle cell trait and use of the pneumatic tourniquet. A case report. Willinsky JS, et al. **J Am Podiatry Assoc** 1984 Jan; 74(1):38–41

Metabolic effects of tourniquet ischaemia studied by nuclear magnetic resonance spectroscopy. Newman RJ. **J Bone Joint Surg [Br]** 1984 May;66(3):434–40

Rhabdomyolysis–myoglobinurea: consequences of prolonged tourniquet. Williams JE Jr, et al. **J Foot Surg** 1983 Spring; 22(1):52–6 (41 ref.)

The 'tourniquet effect'. Desaia A, et al. **J Nucl Med** 1984 Jun;25(6):697–9

Inaccurate tourniquet pressure–gauge readings—a widespread problem. Irwing GA, et al. **S Afr Med J** 1984 Aug 18;66(7):265–6

[Fatal lung embolism following ischemia and peridural anesthesia] Mihic DN, et al. **Reg Anaesth** 1983 Oct; 6(4):83–5 (Eng. Abstr.) **(Ger)**

[The effect of tourniquet injuries on the histologic structure of the spleen in intact and adrenalectomized mice] Colić M. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):79–88 (Eng. Abstr.) **(Scr)**

STANDARDS

Recommended practices. Preparation, utilization, and maintenance of the pneumatic tourniquet. **AORN J** 1984 Apr;39(5):808, 810, 812

Considerations on the use of the tourniquet in surgery of the hand. Tajima T. **J Hand Surg** 1983 Sep;8(5 Pt 2):799–802

TOWN PLANNING see **CITY PLANNING**

TOXAPHENE see under **INSECTICIDES, ORGANOCHLORINE**

TOXASCARIASIS see under **ASCARIASIS**

TOXEMIA

see related
PREGNANCY TOXEMIAS

BLOOD

[Functional state of mitochondria during early burn toxemia and exposure to middle molecular weight blood peptides] Riabinin VE, et al. **Vopr Med Khim** 1984 May–Jun; 30(3):113–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Endotoxemia–induced diffuse myelitis and extensive patchy necrosis of the liver. Tange T, et al. **Acta Pathol Jpn** 1984 Jan;34(1):191–9

Endotoxaemia as a cause of fever in immunosuppressed patients. Harris RI, et al. **J Clin Pathol** 1984 Apr; 37(4):467–70

[Neuropsychiatric disorders and bodily reactivity in thermal lesions] Kolker II, et al. **Zh Nevropatol Psikhiatr** 1984; 84(5):675–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Pathogenesis and treatment of post–ischemic toxemia] Protsenko VA, et al. **Voen Med Zh** 1983 Dec;(12):30–2 **(Rus)**

METABOLISM

Efficacy of glucocorticoids in preventing mitochondrial metabolic failure in endotoxemia. Meia L, et al. **Circ Shock** 1983;10(4):371–81

PHYSIOPATHOLOGY

Pulmonary hemodynamic and ultrastructural changes associated with Group B streptococcal toxemia in adult sheep and newborn lambs. Rojas J, et al. **Pediatr Res** 1983 Dec;17(12):1002–8

PREVENTION & CONTROL

[An experimental study of the effect of fluorocarbon perfusion for amputated limb preservation. The effect of inhibition for replantation toxemia and muscle tissue destruction] Sakata H. **Nippon Seikeigeka Gakkai Zasshi** 1984 May;58(5):497–508 (Eng. Abstr.) **(Jpn)**

THERAPY

[Nonspecific detoxifying mechanisms in using hemosorption for treating sepsis and burn toxemia] Shirinova MN, et al. **Gematol Transfuziol** 1983 Oct;28(10):32–4 (Eng. Abstr.) **(Rus)**

[Hemosorption in burns] Kogan IaA, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):52–5 (Eng. Abstr.) **(Rus)**

[Hemosorption in the treatment of critical states in surgery] Vagner EA, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):120–3 **(Rus)**

VETERINARY

Death of an African elephant from probable toxemia attributed to chronic pulpitis. McGavin MD, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1269–73

TOXIC SHOCK SYNDROME see **SHOCK, SEPTIC**

TOXICOLOGY

see related
POISONS

Advances in pediatric pharmacology and toxicology. Berlin CM Jr. **Adv Pediatr** 1983;30:221–48 (92 ref.)

The pharmacist's role in toxicology. Oderda GM, et al. **Am Pharm** 1984 Feb;NS24(2):40–4

Behavioral toxicology and environmental health science. Opportunity and challenge for psychology. Weiss B. **Am Psychol** 1983 Nov;38(11):1174–87 (76 ref.)

The role of nutrition in toxicology. Parke DV, et al. **Annu Rev Nutr** 1981;1:207–34 (209 ref.)

Neurobehavioral tests in single– and repeated–dose toxicity studies in small rodents. Alder S, et al. **Arch Toxicol** 1983 Sep;54(1):1–23 (95 ref.)

The contribution of veterinary toxicology to environmental health. Egyed MN, et al. **Arch Toxicol [Suppl]** 1983;6:271–4

Applications of gas chromatographic head space analysis to aviation accident toxicology. Mayes RW. **Aviat Space Environ Med** 1984 Jan;55(1):62–4

Drug conjugation in clinical toxicology. Prescott LF. **Biochem Soc Trans** 1984 Feb;12(1):96–9

Interpretive toxicology. Garriott JC. **Clin Lab Med** 1983 Jun; 3(2):367–84

Using the desk top computer in cellular toxicity and mutagenesis. Garrett NE, et al. **Comput Biol Med** 1984; 14(1):113–26

Human health effects of hazardous chemical exposures. **Conn Med** 1984 Jul;48(7):459–64

Developments in the science and practice of toxicology. Proceedings of the Third International Congress on Toxicology. San Diego, California, U.S.A., August 28–September 3, 1983. **Dev Toxicol Environ Sci** 1983; 11:1–614

Assessment of intravenous toxicity as a function of infusion speed. Nomura G, et al. **Dev Toxicol Environ Sci** 1983; 11:551–4

Immune complexes as a manifestation of toxicological change. Parish WE. **Dev Toxicol Environ Sci** 1983; 11:201–10

On the relevance of microecosystems for risk assessment: some considerations for environmental toxicology. Smies M. **Ecotoxicol Environ Safety** 1983 Aug;7(4):355–65

On the variation of toxic effects over species, its cause, and analysis by 'structure–selectivity relations'. Smissaert HR, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):294–302

National Institute of Environmental Health Sciences third science seminar. Research Triangle Park, North Carolina, November 1982. Science open house poster sessions: Abstracts. **Environ Health Perspect** 1983 Oct;52:267–300

The changing role of animal toxicology in support of regulatory decisions. Miller FJ, et al. **Environ Health Perspect** 1983 Oct;52:169–76

In vitro assessment of pharmacogenetic susceptibility to toxic drug metabolites in humans. Spielberg SP. **Fed Proc** 1984 May 15;43(8):2308–13

Acetylation pharmacogenetics: experimental models for human toxicity. Weber WW. **Fed Proc** 1984 May 15; 43(8):2332–7

Symposium on safety assessment: the interface between science, law and regulation. September 13–14. 1983, Arlington, Virginia. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S255–442

A new approach to the classification of substances and preparations on the basis of their acute toxicity. A report by the British Toxicology Society working party on toxicity. **Hum Toxicol** 1984 Apr;3(2):85–92

Paths to progress II: toxicology and therapeutic drug monitoring laboratory. Frederick DL. **J Okla State Med Assoc** 1984 Feb;77(2):50–1

On the choice of experimental populations for research in neurobehavioral toxicology. Young SS. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):841–2

Traps for unwary clinicians and toxicologists [letter] Badcock NR. **Med J Aust** 1984 Mar 3;140(5):312

An inhalation method for testing the toxicity of volatile compounds in small laboratory animals. A study on short–term and long–term toluene inhalation in rats. Tähti H, et al. **Methods Find Exp Clin Pharmacol** 1983 Dec; 5(10):667–71

Animal welfare: UK compromise and coercion [news] Beardsley T. **Nature** 1984 May 3–9;309(5963):8

Joint meeting of the French and German Pharmacological and Toxicological Societies. Freiburg i. Br., September 19–22, 1983. Abstracts.
Naunyn Schmiedebergs Arch Pharmacol 1983;324 Suppl:R1–85

The delayed neurotoxicity workshop: concluding remarks. Metcalf RL. **Neurotoxicology (Park Forest II)** 1983 Winter; 4(4):173–6

Interpretation and application of delayed neurotoxicity test data from regulatory and legal viewpoints: panel discussion. Rosenstein LS, et al. **Neurotoxicology (Park Forest II)** 1983 Winter;4(4):85–97

Custom TOXFILE can offer low-cost toxicological data base. Cohen KS. **Occup Health Saf** 1984 May;:49–51

Hazardous exports. A perplexing problem. Polakoff PL. **Occup Health Saf** 1983 Nov–Dec;52(11):21–3

Toxicology: determinants of susceptibility and predictability. Workshop, Chicago, Illinois, September 18–21, 1983. **Pharmacol Rev** 1984 Jun;36(2 Suppl):1S–182S

Physiological factors affecting drug toxicity. Bailey K. **Regul Toxicol Pharmacol** 1983 Dec;3(4):389–98

Characteristics and capabilities of U.S. commercial toxicological testing laboratories. Francke DW, et al. **Regul Toxicol Pharmacol** 1983 Dec;3(4):372–80

Gene-Tox Program report—mammalian in vivo and in vitro cytogenetic assays: a critical evaluation. Holden HE, et al. **Regul Toxicol Pharmacol** 1983 Dec;3(4):399–403

A rational approach to decision making in toxicology. Jackson BA, et al. **Regul Toxicol Pharmacol** 1984 Jun; 4(2):130–7

Some thoughts on a possible regulatory approach at EEC level on the classification and labeling of dangerous preparations. Martens M, et al.
Regul Toxicol Pharmacol 1984 Jun;4(2):145–56

The choice between analysis of variance and analysis of covariance with special reference to the analysis of organ weights in toxicology studies. Shirley EA, et al.
Stat Med 1984 Jan–Mar;3(1):85–91

The use of background data in the analysis of covariance. Shirley EA. **Stat Med** 1982 Jul–Sep;1(3):281–91

Immunotoxicology—current concepts. Loose LD.
Surv Immunol Res 1983;2(3):318–20

Overview of progress in immunotoxicology—1983. Loose LD. **Surv Immunol Res** 1984;3(2–3):238–40

Fertility as a measurement in reproductive toxicology. Scialli AR, et al. **Teratogenesis Carcinog Mutagen** 1984;4(1):59–66

An evaluation of sperm tests as indicators of germ-cell damage in men exposed to chemical or physical agents. Wyrobek AJ, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(1):83–107

Application of biplot methods to the multivariate analysis of toxicological and pharmacokinetic data. Shy-Modjeska JS, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):91–101

Target organ toxicity II. Heywood R. **Toxicol Lett** 1983 Aug; 18(1–2):83–8

A quantitative metabolic inhibition test for screening toxic compounds with cultured cells. Wenzel DG, et al.
Toxicology 1983 Dec;29(1–2):173–82

American Board of Toxicology, Inc. 1984 Directory of diplomates. **Vet Hum Toxicol** 1984 Apr;26(2):141–52

American Academy of Clinical Toxicology. 1984 Membership Directory. **Vet Hum Toxicol** 1984 Aug; 26(4):333–8

Proceedings of an International Conference on Veterinary Pharmacology, Toxicology and Therapeutics. Cambridge, Great Britain, 28 July to 1 August 1980.
Vet Res Commun 1983 Dec;7(1–4):1–439

Tissue basis for the use of enzymes in toxicology. Braun JP, et al. **Vet Res Commun** 1983 Dec;7(1–4):331–5

Monitoring of adverse reactions and interactions involving veterinary drugs in the U.S.A. Teske RH.
Vet Res Commun 1983 Dec;7(1–4):215–20

[Current status of environmental hygiene and environmental toxicology] Lohs K, et al. **Z Gesamte Hyg** 1983 Sep; 29(9):499–501 (Eng. Abstr.) **(Ger)**

[Intensive medicine and clinical toxicology (editorial)] Nogué Xarau S. **Med Clin (Barc)** 1983 Sep 24;81(8):342–4 **(Spa)**

EDUCATION

Teaching of veterinary pharmacology in the Federal Republic of Germany. Frey HH. **Vet Res Commun** 1983 Dec;7(1–4):400–2

Teaching of veterinary pharmacology in Denmark. Rasmussen F. **Vet Res Commun** 1983 Dec;7(1–4):403–5

[Method of conducting training in military toxicology] Khata ZI, et al. **Voen Med Zh** 1984 Jan;(1):19–22 **(Rus)**

HISTORY

[Development of experimental and clinical toxicology in the Estonian SSR] Kakhn KhA. **Gig Tr Prof Zabol** 1983 Oct; (10):3–5 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A new dust generator for inhalation toxicity studies. Tanaka I, et al. **Ann Occup Hyg** 1984;28(2):157–62

[Chamber for the inhalational exposure of animals] Lebedev MD. **Gig Sanit** 1983 Oct;(10):86–8 **(Rus)**

[Microdispenser of gases for treating laboratory animals] Pazynich VM, et al. **Gig Sanit** 1983 Sep;(9):53–4 **(Rus)**

[Measurement of blood pressure with simultaneous registration of pulse and respiration in rats] Khodykina TM. **Gig Tr Prof Zabol** 1984 Feb;(2):54 **(Rus)**

[A device for the experimental modeling of the isolated and combined effects on the body of industrial toxic chemicals penetrating through the skin and respiratory organs] Maksimov GG. **Gig Tr Prof Zabol** 1984 Apr;(4):54–6 **(Rus)**

METHODS

A new approach to practical acute toxicity testing. Lorke D. **Arch Toxicol** 1983 Dec;54(4):275–87

Survival, bodyweight and food consumption data obtained from life span rodent studies in isolated animal units. Hiscox DN, et al. **Arch Toxicol [Suppl]** 1983;6:357–60

Sperm cell motility as a new experimental model for toxicological studies. Mayevsky A, et al.
Arch Toxicol [Suppl] 1983;6:295–9

A comparison of automated data collection and manual data collection for toxicology studies. Salem H, et al.
Arch Toxicol [Suppl] 1983;6:361–4

A study to assess the influence of age on the response of fathead minnows in static acute toxicity tests. Mayes MA, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):139–47

Economical LD50 and slope determinations. Weil CS.
Drug Chem Toxicol 1983;6(6):595–603

Improved methods for harvesting and counting synchronous populations of Artemia nauplii for use in developmental toxicology. Sleet RB, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):435–46

Relevance of experimental studies to human risk. Dietz FK, et al. **Environ Health Perspect** 1983 Oct;52:9–14

Use of neurophysiological challenges for the detection of toxicity. Dyer RS, et al. **Fed Proc** 1983 Dec;42(15):3201–6

Use of environmental challenges in behavioral toxicology. MacPhail RC, et al. **Fed Proc** 1983 Dec;42(15):3196–200

Neurotoxicants and adaptive responses of the nervous system. Introductory remarks. Tilson HA, et al. **Fed Proc** 1983 Dec; 42(15):3189–90

Use of pharmacological challenges to disclose neurobehavioral deficits. Zenick H. **Fed Proc** 1983 Dec; 42(15):3191–5

A method for determining the maximum tolerated dose for acute in vivo cytogenetic studies. Thompson ED, et al. **Food Chem Toxicol** 1984 Aug;22(8):665–76

Computer storage of toxicology methods and postmortem drug determinations. Lewin JF, et al. **Forensic Sci Int** 1983 Nov–Dec;23(2–3):225–32

Fish and amphibian embryos—a model system for evaluating teratogenicity. Birge WJ, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):237–42

Structure-activity relationships in aquatic toxicology. Birge WJ, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):359–68 (45 ref.)

The mouse versus the rat in carcinogen bioassays [letter] Clayson DB. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 1):499–501

A reexamination of false-positive rates for carcinogenesis studies. Haseman JK. **Fundam Appl Toxicol** 1983 Jul–Aug; 3(4):334–9

Model systems and their predictive value in assessing teratogens. Hill R. **Fundam Appl Toxicol** 1983 Jul–Aug; 3(4):229–32

Reproduction/teratology. Hoar RM. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S335–40

An artificial 'embryo' for detection of abnormal developmental biology. Johnson EM, et al.
Fundam Appl Toxicol 1983 Jul–Aug;3(4):243–9

Response to the society of toxicology task force re-examination of the ED01 study. Kodell RL, et al.
Fundam Appl Toxicol 1983 Jul–Aug;3(4):3a–12a

General toxicity testing: sense and non-sense, science and policy. Kroes R, et al. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S298–308

Quantitative risk assessment: state-of-the-art for carcinogenesis. Park·CN, et al. **Fundam Appl Toxicol** 1983 Jul–Aug;3(4):320–33

A dynamic closed-loop recirculating inhalation chamber for conducting pharmacokinetic and short-term toxicity studies. Paustenbach DJ, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):528–32

Carcinogenicity testing and safety assessment. Squire RA.
Fundam Appl Toxicol 1984 Jun;4(3 Pt 2):S326–34

Use of the cricket embryo (Acheta domesticus) as an invertebrate teratology model. Walton BT.
Fundam Appl Toxicol 1983 Jul–Aug;3(4):233–6

Human toxicology: the need for a closer collaboration between clinical and experimental toxicologists [letter] Lauwerys R, et al. **Hum Toxicol** 1984 Feb;3(1):61–2

Applicability of capillary gas chromatography to systematic toxicological analysis: occurrence of concentration-dependent retention behavior. Bogusz M, et al. **J Anal Toxicol** 1983 Jul–Aug;7(4):188–92

System evaluation and substance identification in systematic toxicological analysis by the mean list length approach. Schepers PG, et al. **J Anal Toxicol** 1983 Nov–Dec; 7(6):272–8

Abstract models that predict or extend animal bioassays. DeLand EC. **J Parenter Sci Technol** 1983 Nov–Dec; 37(6):238–43

The Johns Hopkins Center for Alternatives to Animal Testing—an update. Hickey TE. **J Parenter Sci Technol** 1983 Nov–Dec;37(6):244–6

Perspectives on alternative methods of toxicological testing. Northup SJ. **J Parenter Sci Technol** 1983 Nov–Dec; 37(6):225–6

The effects of culture conditions on the use of animal cells for drug testing. Noteboom WD.
J Parenter Sci Technol 1983 Nov–Dec;37(6):226–31

Are local tolerance tests in animals always necessary? Andermann G, et al. **Methods Find Exp Clin Pharmacol** 1983 Jun;5(5):321–33

Heterogeneity of hepatic aryl hydrocarbon hydroxylase activity in feral winter flounder: relevance to carcinogenicity testing. Bend JR, et al.
Natl Cancer Inst Monogr 1984 May;65:359–70

Usefulness of Cyprinodon variegatus and Fundulus grandis in carcinogenicity testing: advantages and special problems. Courtney LA, et al. **Natl Cancer Inst Monogr** 1984 May; 65:83–96

Debate: mouse versus minnow: the future of fish in carcinogenicity testing. Dawe CJ, et al.
Natl Cancer Inst Monogr 1984 May;65:223–35

Rainbow trout embryos: advantages and limitations for carcinogenesis research. Hendricks JD, et al.
Natl Cancer Inst Monogr 1984 May;65:129–37

Usefulness of the medaka, Oryzias latipes, as a test animal: DNA repair processes in medaka exposed to carcinogens. Ishikawa T, et al. **Natl Cancer Inst Monogr** 1984 May; 65:35–43

Preliminary studies on the usefulness of medaka, Oryzias latipes, embryos in carcinogenicity testing. Klaunig JE, et al. **Natl Cancer Inst Monogr** 1984 May;65:155–61

Establishment of fish hepatocyte cultures for use in in vitro carcinogenicity studies. Klaunig JE.
Natl Cancer Inst Monogr 1984 May;65:163–73

Usefulness of the hermaphroditic marine fish, Rivulus marmoratus, in carcinogenicity testing. Koenig CC, et al.
Natl Cancer Inst Monogr 1984 May;65:15–33

Procedures for use of freshwater fishes in the development of reproducible toxicological information. Marking LL.
Natl Cancer Inst Monogr 1984 May;65:195–9

Primary cell cultures from the teleost, Cyprinodon variegatus: culture establishment and application in carcinogen exposure studies. Martin BJ, et al.
Natl Cancer Inst Monogr 1984 May;65:175–8

Characteristics of a fish colony of Poeciliopsis and its use in carcinogenicity studies with 7,12-dimethylbenz[a]anthracene and diethylnitrosamine. Schultz RJ, et al. **Natl Cancer Inst Monogr** 1984 May; 65:5–13

Carcinogenesis studies on guppies. Simon K, et al.
Natl Cancer Inst Monogr 1984 May;65:71–81

Culture of embryos and cells from platyfish and swordtails for carcinogenicity testing and studies on melanoma formation. Vielkind U, et al. **Natl Cancer Inst Monogr** 1984 May;65:179–83

The Amazon molly, Poecilia formosa, as a test animal in carcinogenicity studies: chronic exposures to physical agents. Woodhead AD, et al. **Natl Cancer Inst Monogr** 1984 May;65:45–52

Usefulness of the guppy, Poecilia reticulata, in carcinogenicity testing: special advantages and problems. Zimmerer EJ. **Natl Cancer Inst Monogr** 1984 May;65:59–64

Multisensory evoked potentials in experimental and applied neurotoxicology. Rebert CS. **Neurobehav Toxicol Teratol** 1983 Nov–Dec;5(6):659–71

Influence of early testing on postweaning performance in untreated F344 rats, with comparisons to Sprague–Dawley rats, using a standardized battery of tests for behavioral teratogenesis. Vorhees CV. **Neurobehav Toxicol Teratol** 1983 Sep–Oct;5(5):587–91

New frontiers in delayed neurotoxicity research: introduction and overview. Khasawinah AM.
Neurotoxicology (Park Forest II) 1983 Winter;4(4):105–6

Measurement and evaluation of testing endpoints. Sprague GL. **Neurotoxicology (Park Forest II)** 1983 Summer; 4(2):261–2

Estimation of toxicological endpoints by structure-activity relationships. Enslein K. **Pharmacol Rev** 1984 Jun;36(2 Suppl):131S–135S (29 ref.)

Approaches to the development of in vitro toxicological methods. Goldberg AM. **Pharmacol Rev** 1984 Jun;36(2 Suppl):173S–175S

Predictive and mechanistic evaluation to toxic responses in mammalian cell culture systems. Grisham JW, et al.
Pharmacol Rev 1984 Jun;36(2 Suppl):151S–171S (203 ref.)

Use of whole embryo culture for evaluating toxicity and teratogenicity. Sadler TW, et al. **Pharmacol Rev** 1984 Jun; 36(2 Suppl):145S–150S (34 ref.)

Whole animal models in safety evaluation. Schach von Wittenau M. **Pharmacol Rev** 1984 Jun;36(2 Suppl):177S–182S

Toxicological assessment of the hemostatic system, regulatory requirements, and industry practice. Theus R, et al. **Regul Toxicol Pharmacol** 1984 Mar;4(1):74–95 (138 ref.)

Characterization of a lung epithelial cell strain with potential applications in toxicological studies. Li AP, et al.
Toxicology 1983 Jul–Aug;27(3–4):257–72

[Predictive tests for carcinogenic risk] Girre C.
Sem Hop Paris 1983 Jul 7;59(27–28):2015–9 (Eng. Abstr.) **(Fre)**

[Determination of the single exposure threshold in healthful toxicology] Frolova AD, et al. **Gig Sanit** 1983 Dec; (12):53–6 **(Rus)**

[Use of statistical graph methods to analyze the effect of environmental chemical pollutants on microorganisms] Geniatulin. **Gig Sanit** 1984 Mar;(3):65–70 **(Rus)**

[Method of calculating combined action coefficients for overall sanitary-toxicologic evaluation of air pollution in populated areas] Kiselev AV. **Gig Sanit** 1984 Mar;(3):59–60 **(Rus)**

[Modeling in experimental toxicology studies] Mazaev VT, et al. **Gig Sanit** 1984 Feb;(2):78–80 **(Rus)**

[Accuracy and reliability of methods for predicting toxicometric parameters and the maximum permissible concentrations of harmful substances] Rumiantsev GI, et al. **Gig Sanit** 1984 Feb;(2):19–22 (Eng. Abstr.) **(Rus)**

[Use of mathematical theory in the experiments for the evaluation of the combined effects of chemical substances] Sova RE. **Gig Sanit** 1984 Jan;(1):39–41 **(Rus)**

[Predicting the cumulative properties of substances in toxicology studies] Tikhonov VN, et al. **Gig Sanit** 1984 Apr;(4):79–80 **(Rus)**

[Minor toxicometry, a new method of rapid standardization of substances in the air of work areas] Speranskiĭ SV. **Gig Tr Prof Zabol** 1983 Jul;(7):50–1 **(Rus)**

[Current methodologic approaches to the study of various delayed effects of pesticides] Ivanova-Chemishanska L, et al. **Probl Khig** 1983;8:42–9 (Eng. Abstr.) **(Rus)**

STANDARDS

Evaluation of hospital and commercial toxic screens. Sandhu RS, et al. **J Med Soc NJ** 1983 Oct;80(10):833–6

[Quality control of clinical and toxicological analyses—proposed model for a Yugoslav quality control program for lead and cadmium in the blood] Telišman S. **Arh Hig Rada Toksikol** 1983 Jun;34(2):143–52 (Eng. Abstr.) **(Scr)**

TRENDS

What will food science require of toxicology? Hall RL. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S278–83

Effects of scientific advances on the decision-making process: analytical chemistry. Horwitz W. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S309–17

Symposium on safety assessment: the interface between science, law and regulation. Keynote address. Press F. **Fundam Appl Toxicol** 1984 Jun;4(3 Pt 2):S257–60

The past, present, and future of toxicology. Doull J. **Pharmacol Rev** 1984 Jun;36(2 Suppl):15S–18S

TOXIFERINE

ANALOGS & DERIVATIVES

Five non-depolarizing muscle relaxants in precurarization. Erkola O, et al. **Acta Anaesthesiol Scand** 1983 Dec; 27(6):427–32

The effects of gallamine and a mixture of pancuronium and alcuronium on the pressor and plasma catecholamine responses to tracheal intubation. Cummings MF, et al. **Anaesth Intensive Care** 1984 Feb;12(1):22–6

Allergic response to neuromuscular relaxants [letter] Fisher M. **Anesth Analg** 1984 Jan;63(1):88

Alcuronium for open-eye injuries [letter] Kay J, et al. **Anesth Analg** 1984 May;63(5):543–4

Interactions between tubocurarine, pancuronium and alcuronium demonstrated in the rat phrenic nerve-hemidiaphragm preparation. Pollard BJ, et al. **Br J Anaesth** 1983 Nov;55(11):1127–31

Pharmacokinetics of alcuronium in elderly patients undergoing total hip replacement or aortic reconstructive surgery. Stephens ID, et al. **Br J Anaesth** 1984 May; 56(5):465–71

Determination of alcuronium dichloride in plasma by high-performance liquid chromatography without solvent extraction. Tovey C, et al. **J Chromatogr** 1983 Nov 11; 278(1):216–9

A new technique of balanced anaesthesia II. Morphine, hyoscine and alloferin. Nilprapussorn P. **J Med Assoc Thai** 1984 Jan;67(1):8–15

Adverse reactions to alcuronium [letter] Brand S. **Med J Aust** 1983 Nov 12;2(10):481–2

Anaphylaxis to muscle relaxant drugs: cross-reactivity and molecular basis of binding of IgE antibodies detected by radioimmunoassay. Baldo BA, et al. **Mol Immunol** 1983 Dec;20(12):1393–400

[Anaphylactoid reaction following alcuronium administration: a case report] Nakamura K, et al. **Masui** 1983 Nov;32(11):1386–90 (Eng. Abstr.) **(Jpn)**

TOXINS

Inhibition in vitro of the polymerization of tubulin by uremic middle molecules: corrective effect of isaxonine. Braguer D, et al. **Clin Nephrol** 1983 Sep;20(3):149–54

1982 bibliographic index: poisons, toxins and venoms of natural origin. **Toxicon** 1984;22(4):491–624

ADMINISTRATION & DOSAGE

Potential for therapy of monoclonal antibodies coupled with toxins. Laurent JC, et al. **Dev Biol Stand** 1983;55:181

ANALYSIS

Drug interaction in middle molecule analysis, with special reference to acetylsalicylic acid. Faguer P, et al. **Artif Organs** 1984 May;8(2):226–9

Middle molecules in the serum, brain, liver and urine of galactosamine-induced fulminant hepatic failure rats. Shu CD, et al. **Int J Artif Organs** 1983 Sep;6(5):273–7

Anion exchange chromatography and double-diffusion cells for the study of middle molecules. Ash SR, et al. **Kidney Int** 1983 Aug;24(2):250–5

Occurrence of Clostridium difficile toxin in inflammatory bowel disease. Rolny P, et al. **Scand J Gastroenterol** 1983 Jan;18(1):61–4

Amino terminal analysis of pseudexin from the venom of the Australian red-bellied black snake (Pseudechis porphyriacus). Moon KE, et al. **Toxicon** 1984;22(1):165–7

BLOOD

Semi-automated determination of the uremic toxin 'b4-2'. Faguer P, et al. **Clin Chem** 1984 May;30(5):797–9

Uremic toxins and the elusive middle molecules. Schoots A, et al. **Nephron** 1984;38(1):1–8

Studies on serum middle molecules in chronic renal failure—a preliminary report. Shieh SD, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):347–51

[Can the concentration of middle molecular substances in plasma contribute to the assessment of the adequacy of regular dialysis therapy?] Válek A, et al. **Cas Lek Cesk** 1984 May 18;123(20):599–604 (Eng. Abstr.) **(Cze)**

[Functional state of mitochondria during early burn toxemia and exposure to middle molecular weight blood peptides] Riabinin VE, et al. **Vopr Med Khim** 1984 May-Jun; 30(3):113–6 (Eng. Abstr.) **(Rus)**

[The effect of hemoperfusion through activated charcoal on middle molecular substances in the plasma during a long-term dialysis program] Mydlík M, et al. **Cas Lek Cesk** 1983 Dec 23;122(51):1573–6 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

Isolation and biochemical characterization of hemorrhagic toxin f from the venom of Crotalus atrox (western diamondback rattlesnake). Nikai T, et al. **Arch Biochem Biophys** 1984 Jun;231(2):309–19

Isolation, purification & pharmacodynamics of a toxin from the venom of the centipede Scolopendra subspinipes dehaani Brandt. Gomes A, et al. **Indian J Exp Biol** 1983 Apr;21(4):203–7

Purification of thirteen toxins active on mice from the venom of the North African scorpion Buthus occitanus tunetanus. Martin MF, et al. **Toxicon** 1984;22(2):279–91

METABOLISM

Effects of herbicides on the concentration of poisonous compounds in plants: a review. Williams MC, et al. **Am J Vet Res** 1983 Dec;44(12):2420–2 (34 ref.)

Enzymatic detoxification using lipophilic hollow-fiber membranes: I. Glucuronidation reactions. Brunner G, et al. **Artif Organs** 1984 May;8(2):161–6

Ruminal metabolism of plant toxins with emphasis on indolic compounds. Carlson JR, et al. **J Anim Sci** 1984 Apr; 58(4):1040–9 (83 ref.)

[Determination of substances of middle molecular mass in the body fluids of patients treated with intermittent peritoneal dialysis] Dukanović L, et al. **Lijec Vjesn** 1982 Nov-Dec;104(11–12):527–9 (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

Considerations of the structure of sesquiterpene lactones on biological activity: influence of the alpha-methylene-gamma-lactone moiety on mast cell degranulation. Elissalde MH, et al. **Am J Vet Res** 1983 Oct;44(10):1894–7

Dimethyl sulphoxide protects cells against polypeptide toxins and poliovirus. Sandvig K, et al. **Biochem J** 1984 May 1; 219(3):935–40

Effects of ecotoxicological chemicals on passive plasmalemma permeability in plants. Schweiger G, et al. **Ecotoxicol Environ Safety** 1983 Aug;7(4):366–72

Effect of corynetoxin isolated from parasitized annual ryegrass on albumin and transferrin synthesis and secretion by cultured fetal rat hepatocytes. Yeoh GC, et al. **Exp Cell Res** 1984 Apr;151(2):421–32

A hypothesis for the mechanism of sodium channel opening by batrachotoxin and related toxins. Kosower EM. **FEBS Lett** 1983 Nov 14;163(2):161–4 (30 ref.)

The site of action of Ptychodiscus brevis toxin within the parasympathetic axonal sodium channel h gate in airway smooth muscle. Asai S, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):824–8

Concurrent measurement of respiratory and metabolic parameters in rats during exposure to a test vapor: respiratory stress test. James JT, et al. **J Pharmacol Methods** 1983 Dec;10(4):283–92

Exposure to nephrotoxins can lead to renal damage. Polakoff PL. **Occup Health Saf** 1984 Mar;:65–6, 75

[Studies on the effect of uremic middle molecules on lipid and carbohydrate metabolism] Gotoh T, et al. **Nippon Jinzo Gakkai Shi** 1983 Nov;25(11):1375–82 (Eng. Abstr.) **(Jpn)**

TOXICITY

Differences in toxicity and antigenicity between mistletoe lectin I and viscotoxin A 3. Franz H, et al. **Biomed Biochim Acta** 1983;42(5):K21–5

Toxofactor associated with Toxoplasma gondii infection is toxic and teratogenic to mice. Grimwood B, et al. **Infect Immun** 1983 Dec;42(3):1126–35

Effects of synthetic and natural toxicants on livestock. Shull LR, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:330–54 (124 ref.)

Identification of a cold-sensitive step in the mechanism of modeccin action. Draper RK, et al. **J Biol Chem** 1984 Apr 10;259(7):4083–8

Lethal potency in mice of toxins from scorpion, sea anemone, snake and bee venoms following intraperitoneal and intracisternal injection. Schweitz H. **Toxicon** 1984; 22(2):308–11

[Biotesting of a burn toxin on mice with reticuloendothelial system block] Movshev BE, et al. **Biull Eksp Biol Med** 1984 May;97(5):554–6 (Eng. Abstr.) **(Rus)**

URINE

[Urinary excretion of toxic peptides in patients with thermal burns] Salomatin VV, et al. **Vopr Med Khim** 1984 May-Jun; 30(3):120–4 (Eng. Abstr.) **(Rus)**

TOXOCARA

[Larval toxocariasis in a 40-year-old man with detection of larvae in a liver biopsy] Vortel V, et al. **Cesk Patol** 1983 Nov;19(4):193–8 (Eng. Abstr.) **(Cze)**

[Distribution of Toxocara canis in puppies in Bulgaria] Soilev C, et al. **Angew Parasitol** 1984 May;25(2):93–6 **(Ger)**

DRUG EFFECTS

Effect of thiabendazole on the migration of Toxocara canis larvae in the mouse. Abdel-Hameed AA. **J Parasitol** 1984 Apr;70(2):226–31

Anthelmintic effect of levamisole, ivermectin, albendazole and fenbendazole on larval Toxocara canis infection in mice. Abo-Shehada MN, et al. **Res Vet Sci** 1984 Jan; 36(1):87–91

GROWTH & DEVELOPMENT

Observations on the transmission and development of Toxocara pteropodis (Ascaridoidea: Nematoda) in the Australian grey-headed flying-fox, Pteropus poliocephalus (Pteropodidae: Megachiroptera). Prociv P. **Z Parasitenkd** 1983;69(6):773–81

IMMUNOLOGY

Serological diagnosis of toxocariasis: the use of larval antigens in the ELISA. Polderman AM, et al. **Acta Leiden** 1980 Dec;48:37–42

Toxocaral antibodies in personnel occupationally concerned with dogs. Slovak AJ. **Br J Ind Med** 1984 Aug;41(3):419

The production of human A and B blood group like substances by in vitro maintained second stage Toxocara canis larvae: their presence on the outer larval surfaces and in their excretions/secretions. Smith HV, et al. **Clin Exp Immunol** 1983 Dec;54(3):625–33

Induction of peripheral blood eosinophilia in mice by excretory and secretory antigen of Toxocara canis larvae. Sugane K, et al. **J Helminthol** 1984 Jun;58(2):143–7

Toxocara canis infection: clinical and epidemiological associations with seropositivity in kindergarten children. Worley G, et al. **J Infect Dis** 1984 Apr;149(4):591–7

Evaluation of the enzyme-linked immunosorbent assay for detecting antibodies to Toxocara canis in dogs. Matsumura K, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):683–5

Characterization of surface and excretory-secretory antigens of Toxocara canis infective larvae. Maizels RM, et al. **Parasite Immunol** 1984 Jan;6(1):23–37

Activation of complement in C-reactive protein positive sera by phosphorylcholine-bearing component isolated from parasite extract. Sugane K, et al. **Parasite Immunol** 1983 Jul;5(4):385–95

Preliminary study on the follow-up observations of the antibodies and circulating antigens in canine toxocariasis. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):244–8

The IgA antibody activities in relation to the parasitologic status of Toxocara canis in dogs. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec; 256(2):239–43

The IgM antibody activities in relation to the parasitologic status of Toxocara canis in dogs. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):402–5

Detection of specific IgM antibodies to toxocaral ES antigen: effect of absorption of sera with protein A sepharose. Matsumura K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):549–53

ISOLATION & PURIFICATION

[Soil contamination by Toxocara eggs at Moscow preschool institutions and its sources] Vereta LE, et al. **Med Parazitol (Mosk)** 1984 May-Jun;(3):19–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The accumulation of Toxocara canis larvae in the brains of mice. Dunsmore JD, et al. **Int J Parasitol** 1983 Oct; 13(5):517–21

[Toxocariasis] Kundzewiczowa E, et al. **Przegl Epidemiol** 1983;37(3–4):409–13 (Eng. Abstr.) **(Pol)**

TOXOCARIASIS see under **ASCARIASIS**

TOXOIDS

Preparation of procoligenoids from Escherichia coli heat–labile enterotoxins. Finkelstein RA, et al. **Infect Immun** 1984 Aug;45(2):518–21

Toxoids of Pseudomonas aeruginosa toxin A: production by chemical and genetic means. Cryz SJ Jr, et al. **Rev Infect Dis** 1983 Nov–Dec;5 Suppl 5:S992–7

ADMINISTRATION & DOSAGE

Induction of optimal mucosal antibody responses: effects of age, immunization route(s), and dosing schedule in rats. Pierce NF. **Infect Immun** 1984 Jan;43(1):341–6

[Prevention of anaerobic infections of ruminants in Madagascar by intradermal administration of ultrafiltered toxoids of locally specific c[illegible]ridia] Seifert HS, et al. **DTW** 1983 Jul 6;90(7):274–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Analysis of antigenicity of Clostridium botulinum type C1 and D toxins by polyclonal and monoclonal antibodies. Oguma K, et al. **Infect Immun** 1984 Feb;43(2):584–8

PHARMACODYNAMICS

Molecular basis for the pharmacological actions of Clostridium botulinum type C2 toxin. Simpson LL. **J Pharmacol Exp Ther** 1984 Sep;230(3):665–9

THERAPEUTIC USE

Indications and contraindications for vaccines used in the Expanded Programme on Immunization. Galazka AM, et al. **Bull WHO** 1984;62(3):357–66 (71 ref.)

TOXICITY

Toxoids of Pseudomonas aeruginosa exotoxin–A: photoaffinity inactivation of purified toxin and purified toxin derivatives. Callahan LT 3d, et al. **Infect Immun** 1984 Mar;43(3):1019–26

TOXOPLASMA

ANALYSIS

Vinblastine–induced crystals in Toxoplasma. Porchet E. **J Parasitol** 1984 Feb;70(1):158–60

Immunofluorescent localization of myosin at the anterior pole of the coccidian, Toxoplasma gondii. Schwartzman JD, et al. **J Protozool** 1983 Nov;30(4):657–61

Cytochemical studies on nuclear DNA of four eucoccidian parasites, Isospora (Toxoplasma) gondii, Eimeria tenella, Sarcocystis cruzi and Plasmodium berghei. Cornelissen AW, et al. **Parasitology** 1984 Feb;88 (Pt 1):13–25

DRUG EFFECTS

New micromethod to study the effect of antimicrobial agents on Toxoplasma gondii: comparison of sulfadoxine and sulfadiazine individually and in combination with pyrimethamine and study of clindamycin, metronidazole, and cyclosporin A. Mack DG, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):26–30

Oxygen–dependent microbicidal systems of phagocytes and host defense against intracellular protozoa. Locksley RM, et al. **J Cell Biochem** 1983;22(3):173–85

Characterization of a mutant of Toxoplasma gondii resistant to aphidicolin. Pfefferkorn ER. **J Protozool** 1984 May; 31(2):306–10

Toxoplasmacidal activity of Obioactin derived from hydrolyzed Toxoplasma immune bovine serum in heterologous cell cultures. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):356–66

GENETICS

DNA circles with cruciforms from Isospora (Toxoplasma) gondii. Borst P, et al. **Biochim Biophys Acta** 1984 Feb 24; 781(1–2):100–11

GROWTH & DEVELOPMENT

Toxoplasma gondii: growth in ovine fetal kidney cell cultures. Chang GN, et al. **Exp Parasitol** 1984 Feb; 57(1):81–5

Continual cultivation of Toxoplasma gondii on HeLa cells. Valkoun A. **Folia Parasitol (Praha)** 1983;30(4):289–94

Inhibition of growth of Toxoplasma gondii in cultured fibroblasts by human recombinant gamma interferon. Pfefferkorn ER, et al. **Infect Immun** 1984 May;44(2):211–6

Interferon gamma blocks the growth of Toxoplasma gondii in human fibroblasts by inducing the host cells to degrade tryptophan. Pfefferkorn ER. **Proc Natl Acad Sci USA** 1984 Feb;81(3):908–12

Distribution of cysts and tachyzoites in calves and pregnant cows inoculated with Toxoplasma gondii oocysts. Dubey JP. **Vet Parasitol** 1983 Oct;13(3):199–211

[Toxoplasmosis: facts and conjectures. I. The biology and life cycle of the causative agent] Beier TV, et al. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):57–64 (62 ref.) (Eng. Abstr.) **(Rus)**

[Toxoplasmosis: facts and conjectures. 2. The routes of circulation of the causative agent] Lysenko AIa. **Med Parazitol (Mosk)** 1984 May–Jun;(3):45–53 (88 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Seroepidemiological survey of toxoplasmosis in La Guadeloupe, French West Indies. Barbier D, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):935–42

Comparison of ELISA and indirect immunofluorescence in the detection of IgG and IgM antitoxoplasma antibodies. Filice G, et al. **Boll Ist Sieroter Milan** 1983 Nov 30; 62(5):445–50

Antibody titers to Toxoplasma gondii in renal transplant patients. Figueiredo JF, et al. **Braz J Med Biol Res** 1983 Oct;16(3):235–9

Enhancement of human natural killer cell activity by subcellular components of Toxoplasma gondii. Sharma SD, et al. **Cell Immunol** 1984 Jul;86(2):317–26

Analysis of the roles of immune interferon (IFN–gamma) and colony–stimulating factor(s) in the induction of macrophage anti–toxoplasma activity. Omata Y, et al. **Immunobiology** 1984 Mar;166(2):146–56

Partially purified antigen preparations of Toxoplasma gondii protect against lethal infection in mice. Araujo FG, et al. **Infect Immun** 1984 Jul;45(1):122–6

Immunoenzymatic detection of three kinds of 43,000–molecular–weight antigens by monoclonal antibodies in the insoluble fraction of Toxoplasma gondii. Ogata K, et al. **Infect Immun** 1984 Mar;43(3):1047–53

Toxoplasma antibodies in polo horses of Nigeria. Aganga AO, et al. **Int J Zoonoses** 1983 Dec;10(2):155–8

Abortion and stillbirth associated with Chlamydia psittaci var ovis in dairy goats with high titers to Toxoplasma gondii. Gunson DE, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1447–50

Immunoblot analysis of Toxoplasma gondii antigens by human immunoglobulins G, M, and A antibodies at different stages of infection. Partanen P, et al. **J Clin Microbiol** 1984 Jul;20(1):133–5

Reactions of toxoplasma antibodies against three malarial antigens. Shehata MG, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):625–7

Molecular weight analysis of soluble antigens from Toxoplasma gondii. Johnson AM, et al. **J Parasitol** 1983 Jun;69(3):459–64

Antigenic differences between endozoites and cystozoites of Toxoplasma gondii. Lunde MN, et al. **J Parasitol** 1983 Oct; 69(5):806–8

Antigenic similarity between the coccidian parasites Toxoplasma gondii and Hammondia hammondi. Araujo FG, et al. **J Protozool** 1984 Feb;31(1):145–7

Monoclonal antibodies to Toxoplasma cell membrane surface antigens protect mice from toxoplasmosis. Johnson AM, et al. **J Protozool** 1983 May;30(2):351–6

A contribution towards the antigenic analysis of Toxoplasma gondii. Francis JM. **Med Lab Sci** 1983 Oct;40(4):319–25

Enzyme–linked immunosorbent assay for the detection of Toxoplasma IgG antibody:a comparison with other serological tests. Francis JM. **Med Lab Sci** 1983 Oct; 40(4):327–31

Immune response to Toxoplasma gondii. I. Toxoplasma–specific proliferation response of peripheral blood lymphocytes from patients with toxoplasmosis. Yano A, et al. **Microbiol Immunol** 1983;27(5):455–63

Immunohistochemical localization of toxoplasma antigen in reactive and neoplastic lymph nodes. Al Adnani MS, et al. **Neoplasma** 1984;31(1):51–6

Determination of IgG, IgM and IgA antibody responses in human toxoplasmosis by enzyme–linked immunosorbent assay (ELISA). Turunen H, et al. **Scand J Infect Dis** 1983; 15(3):307–11

Prevalence of Toxoplasma antibodies in Chiang Mai population. Morakote N, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar; 15(1):80–5

Prevalence of Toxoplasma antibodies in sheep and goats in India. Srivastava AK, et al. **Trop Anim Health Prod** 1983 Nov;15(4):207–8

The prevalence and public health significance of Toxoplasma gondii in indigenous meat animals in the Niger Delta. Arene FO. **Tropenmed Parasitol** 1984 Jun;35(2):133–5

Application of an indirect carbon immunoassay (CIA) for the rapid diagnosis of antibody to Toxoplasma gondii in sheep. Waller T, et al. **Vet Immunol Immunopathol** 1983 Dec;5(2):203–8

A solid–phase indirect haemadsorption assay (SPIHA) for detection of immunoglobulin m antibodies to Toxoplasma gondii: application to diagnosis of acute acquired toxoplasmosis. Hermentin K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):380–91

Delayed secondary immune response in mice immunized with Toxoplasma antigens and its effect for protection against Toxoplasma gondii. Yano K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):381–9

[Serologic toxoplasmosis control in pregnancy using enzyme immunoassay (EIA). 1st experiences] Tiller FW, et al. **Zentralbl Gynakol** 1983;105(17):1101–3 **(Ger)**

[Significance of concentrations and ratio of immunoglobulin G and M in the evaluation of anti–Toxoplasma IGM] Zotti C, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun; 75(1–6):91–100 (Eng. Abstr.) **(Ita)**

[Evaluation of the immunoenzymatic method for the study of anti–Toxoplasma gondii type IgG antibodies in relation to the indirect immunofluorescence method] Aggazzotti G, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):406–13 (Eng. Abstr.) **(Ita)**

[Studies on the circulating antigens in murine toxoplasmosis] Nakao M, et al. **Hokkaido Igaku Zasshi** 1984 Jan; 59(1):59–63 (Eng. Abstr.) **(Jpn)**

[Detection of IgM antibodies in immunized rabbits and toxoplasmic retinochoroiditis] Oniki S. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1242–9 (Eng. Abstr.) **(Jpn)**

[Use, in polytransfusions, of the research on anti–Trypanosoma cruzi and anti–Toxoplasma gondii IgM antibodies to detect recent postransfusion infections] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):83–6 (Eng. Abstr.) **(Por)**

[The incidence of antibodies against Echinococcus, Taeniarhyncus, Toxocara, Trichinella and Toxoplasma antigens in citizens of Cuba] Szilágyiová M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):1003–5 (Eng. Abstr.) **(Slo)**

[Use of mixed antigen in the diagnosis of Chagas disease and toxoplasmosis in the indirect immunofluorescence test] de Sánchez N, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep; 25(3):163–5 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Astronomic odds (1:22) [letter] Kean BH. **Am J Clin Pathol** 1984 Feb;81(2):272–3

The immunocytochemical demonstration of Toxoplasma within the eyes of congenitally infected mice. Dutton GN, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):431–3

Toxoplasma gondii: purification of zoites from peritoneal exudates by eight methods. Dempster RP. **Exp Parasitol** 1984 Apr;57(2):195–207

The occurrence of toxoplasma gondii in saliva. Terragna A, et al. **Tropenmed Parasitol** 1984 Mar;35(1):9–10

PATHOGENICITY

Polycationic polypeptides: a possible model for the penetration–enhancing factor in the invasion of host cells by Toxoplasma gondii. Werk R, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):927–33

Experimental infections of Sarcocystis cruzi, Sarcocystis tenella, Sarcocystis capracanis and Toxoplasma gondii in red foxes (Vulpes vulpes). Dubey JP. **J Wildl Dis** 1983 Jul;19(3):200–3

Chemiluminescence response of peritoneal exudate cells from mice infected with virulent and avirulent strains of Toxoplasma gondii. Masihi KN, et al. **Parasite Immunol** 1984 May;6(3):235–41

[Acute nonspecific inflammatory reaction and modification of resistance to Toxoplasma gondii] Dumas N, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):190–5 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Toxoplasma gondii: use of mutants to study the host–parasite relationship. Pfefferkorn ER, et al. **Ciba Found Symp** 1983; 99:74–91

The survival of vegetative Toxoplasma gondii in some transfusion fluids. El–Rifaie SA, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):161–4

Scanning electron microscopy of Toxoplasma gondii: parasite torsion and host–cell responses during invasion. Chiappino ML, et al. **J Protozool** 1984 May;31(2):288–92

Interaction of lysosomes with endocytic vacuoles in macrophages simultaneously infected with Trypanosoma cruzi and Toxoplasma gondii. Meirelles MN, et al. **J Submicrosc Cytol** 1983 Oct;15(4):889–96

ULTRASTRUCTURE

Are rhoptries of Coccidia really extrusomes? Porchet–Hennere E, et al. **J Ultrastruct Res** 1983 Aug; 84(2):194–203

[Immuno–electron microscopy study of Toxoplasma gondii. II. Study of IgM antibodies] Kawai K, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug–Oct;76(4):384–92 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of a parasite from Bufo marinus called Toxoplasma serpai] Arcay L. **Acta Cient Venez** 1981; 32(4):346–50 (Eng. Abstr.) **(Spa)**

TOXOPLASMOSIS

Toxoplasmosis—an uncommonly appreciated common infection. Harris LF, et al. **Ala Med** 1984 May;53(11):8–14

Torch infections. DeVore NE, et al. **Am J Nurs** 1983 Dec; 83(12):1660–5

[Determination of IgM anti–Toxoplasma gondii antibodies with the immunoenzymatic (IE) method] Aggazzotti G,

et al. **Quad Sclavo Diagn** 1982 Dec;18(4):472–8 (Eng. Abstr.) **(Ita)**

[Toxoplasmic lymphadenitis] Erkuş S, et al. **Mikrobiyol Bul** 1983 Oct;17(4):270–83 (Eng. Abstr.) **(Tur)**

BLOOD

[Effect of 2-mercaptoethanol on immunoglobulin M in toxoplasmosis and rubella] Baufine-Ducrocq H, et al. **Ann Biol Clin (Paris)** 1983;41(5):337–40 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Does Toxoplasma cause polymyositis? Report of a case of polymyositis associated with toxoplasmosis and a critical review of the literature. Behan WM, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):246–52

Cerebral toxoplasmosis in acquired immune deficiency syndrome. Alonso R, et al. **Arch Neurol** 1984 Mar; 41(3):321–3

Toxoplasmosis. Problems in diagnosis and treatment. Hakes TB, et al. **Cancer** 1983 Oct 15;52(8):1535–40

Chronic polyarthritis of toxoplasmic etiology [letter] Gemou V, et al. **Helv Paediatr Acta** 1983 Aug;38(3):295–6

Toxoplasma cyst with toxoplasmic lymphadenitis. Cohen C, et al. **Hum Pathol** 1984 Apr;15(4):396–7

Torches agents as possible causes of spontaneous abortion in Thai women. Tantivanich S, et al. **J Med Assoc Thai** 1983 Aug;66(8):443–7

A case of acute polyradiculoneuritis and acquired toxoplasmosis [letter] Sivertsen B, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):219–20

Central nervous system mass lesions in the acquired immunodeficiency syndrome (AIDS). Levy RM, et al. **J Neurosurg** 1984 Jul;61(1):9–16

Toxoplasmic encephalitis in patients with acquired immune deficiency syndrome. Luft BJ, et al. **JAMA** 1984 Aug 17; 252(7):913–7

[Toxoplasma encephalitis in acquired immunodeficiency syndrome] Vital A, et al. **Ann Pathol** 1984 Jan–Mar; 4(1):80–2 (Eng. Abstr.) **(Fre)**

[Clinico-pathologic conference at the Salpêtrière. 4 November 1982. Subacute febrile encephalopathy in Hodgkin's disease] Sauron B, et al. **Rev Neurol (Paris)** 1983; 139(10):597–604 **(Fre)**

[Chronic toxoplasmosis in pregnant women—an epidemiological and social problem] Jezyna C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):96–102 (Eng. Abstr.) **(Ger)**

[Kaposi's disease and toxoplasmosis: an occasional association? Etiopathogenic, clinical and therapeutic considerations] Leri O, et al. **Clin Ter** 1983 Oct 31; 107(2):87–93 (Eng. Abstr.) **(Ita)**

[Toxoplasmosis, chronic active hepatitis and gonorrhea in a heroin addict with altered immunity] Zulaica D, et al. **Med Clin (Barc)** 1983 Nov 19;81(16):720–2 (Eng. Abstr.) **(Spa)**

[Chronic intra-His block in 2 cases of toxoplasmosis] García Fernández F, et al. **Rev Esp Cardiol** 1983;36(4):357–61 (Eng. Abstr.) **(Spa)**

[Dermatomyositis and toxoplasmosis] Palma S, et al. **Rev Med Chil** 1983 Feb;111(2):164–7 (Eng. Abstr.) **(Spa)**

[Incidence of toxoplasmosis in cases of Hodgkin's and non-Hodgkin's lymphoma] Alintaş K. **Mikrobiyol Bul** 1983 Oct;17(4):251–6 (Eng. Abstr.) **(Tur)**

DIAGNOSIS

Toxoplasmosis—an uncommonly appreciated common infection. Harris LF, et al. **Ala Med** 1984 May;53(11):8–14

Central nervous system toxoplasmosis in homosexual men. Anderson KP, et al. **Am J Med** 1983 Nov;75(5):877–81

Toxoplasmosis in the central nervous system [letter] Chan JC, et al. **Ann Intern Med** 1984 Apr;100(4):615–6

Value of positive serologic findings for toxoplasmosis in the immunocompromised host [letter] Estruch R, et al. **Arch Intern Med** 1984 Mar;144(3):660

The enzyme immunosorbent assay (ELISA) for serologic diagnosis of toxoplasmosis in pregnancy. Luerti M, et al. **Biol Res Pregnancy Perinatol** 1984;5(1):20–2

The diagnosis of toxoplasmosis [editorial] Hall SM. **Br Med J [Clin Res]** 1984 Sep 8;289(6445):570–1

Acquired cutaneous toxoplasmosis. Topi G, et al. **Dermatologica** 1983;167(1):24–32

Counter immunoelectrophoresis as immunodiagnostic test for toxoplasmosis. Safer EH, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):441–6

CT biopsy of cerebral toxoplasmosis in AIDS. Rodan BA, et al. **J Fla Med Assoc** 1984 Mar;71(3):158–60

Acute pericarditis of toxoplasmic origin [letter] Collart F, et al. **J Infect** 1983 Jul;7(1):82–3

Toxoplasmosis diagnosis and immunodeficiency [editorial] **Lancet** 1984 Mar 17;1(8377):605–6

Toxoplasmosis [editorial] Chessum BS. **Med Lab Sci** 1983 Oct;40(4):317–8

Detection of antibodies to Toxoplasma gondii: a comparison of three test kits. Lester J. **Med Lab Sci** 1983 Oct; 40(4):387–9

Sequential disseminated tuberculosis and toxoplasmosis in a Haitian refugee. Schroeder HW Jr, et al. **South Med J** 1984 Apr;77(4):533–4

Diagnosis of ocular and glandular toxoplasmosis using the Indian ink immunoreaction. Safar EH, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):169–72

A solid-phase indirect haemadsorption assay (SPIHA) for detection of immunoglobulin m antibodies to Toxoplasma gondii: application to diagnosis of acute acquired toxoplasmosis. Hermentin K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):380–91

[A semiquantitative precipitation reaction with toxoplasma antigen] Bozděch V, et al. **Cas Lek Cesk** 1983 Dec 16; 122(50):1548–51 (Eng. Abstr.) **(Cze)**

[Toxoplasmosis: practical attitude] Legrand JC, et al. **Rev Med Brux** 1983 Nov;4(9):605–9 (Eng. Abstr.) **(Fre)**

[Value of microprecipitation in agar (MPA) in the diagnosis of human toxoplasmosis] Knaus BU. **Angew Parasitol** 1983 Nov;24(4):193–6 (Eng. Abstr.) **(Ger)**

[Case from general practice (18)] Rey B. **Praxis** 1983 Oct 25;72(43):1367 **(Ger)**

[Protocols for the diagnostic verification of lymph node toxoplasmosis] Carosi G, et al. **Boll Ist Sieroter Milan** 1983 May 31;62(2):195–205 (Eng. Abstr.) **(Ita)**

[Cerebral form of acquired toxoplasmosis in a 14-year-old boy] Leśniarek J. **Pediatr Pol** 1983 Jun;58(6):569–71 **(Pol)**

[Acquired toxoplasmosis of the central nervous system in adults—clinical analysis of 9 cases] Kucharska-Demczuk K. **Pol Tyg Lek** 1983 Apr 18;38(16):489–93 (Eng. Abstr.) **(Pol)**

[Toxoplasmosis in various periods of pregnancy] Podgórnik F. **Wiad Lek** 1984 Jan 1;37(1):28–34 (Eng. Abstr.) **(Pol)**

[Serologic research of toxoplasmosis, cytomegalovirus infection and listeriosis in women with and without previous abortion] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1983 Mar–Apr;25(2):62–6 (Eng. Abstr.) **(Por)**

[Chronic toxoplasmosis and pregnancy] Omarov SM, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):75 **(Rus)**

[Rosette formation test with toxoplasmin in vitro in the diagnosis of acquired toxoplasmosis] Noeva NA, et al. **Sov Med** 1984;(4):58–61 **(Rus)**

[The role of Toxoplasma gondii in the etiology of chronic tonsillitis in children] Vráblic J, et al. **Cesk Otolaryngol** 1983 Jul;32(4):221–5 (Eng. Abstr.) **(Slo)**

[Use of mixed antigen in the diagnosis of Chagas disease and toxoplasmosis in the indirect immunofluorescence test] de Sánchez N, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep; 25(3):163–5 (Eng. Abstr.) **(Spa)**

[Practical observations for standardizing the indirect immunofluorescence reaction in the diagnosis of various parasitic diseases] de Sánchez N, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):55–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Studies on the activity of Obioactin with acetylspiramycin on mice infected with Toxoplasma gondii. Suzuki N, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):367–80

[Treatment of toxoplasmosis acquired during pregnancy with spiramycin] Couvreur J, et al. **Zentralbl Gynakol** 1983; 105(17):1104–7 **(Ger)**

[Cervicofacial toxoplasmosis] Kövári M, et al. **Fogorv Sz** 1984 Mar;77(3):74–5 (Eng. Abstr.) **(Hun)**

[Treatment of toxoplasmosis] Terragna A, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):7–15 (51 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Toxoplasmosis in a patient with common variable immunodeficiency. Shachor J, et al. **Am J Med Sci** 1984 May–Jun;287(3):36–8

Central-nervous-system toxoplasmosis in homosexual men and parenteral drug abusers. Wong B, et al. **Ann Intern Med** 1984 Jan;100(1):36–42

Intracerebral toxoplasmosis in patients with acquired immune deficiency syndrome. Handler M, et al. **J Neurosurg** 1983 Dec;59(6):994–1001

Toxoplasmosis in bone marrow transplant recipients. Hirsch R, et al. **J Pediatr** 1984 Sep;105(3):426–8

Toxoplasmosis in the course of neoplastic diseases of haematopoietic and lymphatic system in children. Bogusławska-Jaworska J, et al. **Mater Med Pol** 1982 Jan–Dec;14(1–2):62–7

Cerebral toxoplasmosis in a patient with acquired immunodeficiency syndrome. Danziger A, et al. **Surg Neurol** 1983 Oct;20(4):332–4

The acquired immune deficiency syndrome in Trinidad. A report on two cases. Bartholomew C, et al. **West Indian Med J** 1983 Sep;32(3):177–80

[Acquired immunodeficiency syndrome, Kaposi's disease and cerebral toxoplasmosis in a young man. Review of the literature apropos of a case] Janier M, et al. **Ann Dermatol Venereol** 1984;111(1):11–23 (130 ref.) (Eng. Abstr.) **(Fre)**

[Neurotoxoplasmosis in the immunosuppressed child. Apropos of 2 cases] Marchou B, et al. **Pediatrie** 1983 Jul–Aug;38(5):319–23 (Eng. Abstr.) **(Fre)**

[Toxoplasmosis and its possible relation to various diseases and operations] Podgórnik F. **Pol Tyg Lek** 1983 Apr 4; 38(14):435–8 (Eng. Abstr.) **(Pol)**

[Serological study of toxoplasmosis after extracorporeal circulation] Herdy G, et al. **Arq Bras Cardiol** 1984 Jan; 42(1):35–8 (Eng. Abstr.) **(Por)**

[Toxoplasmosis in children treated with immunosuppressive drugs] Gottlieb B, et al. **Rev Chil Pediatr** 1984 Mar–Apr; 55(2):89–93 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Acute Toxoplasma infection among family members of patients with acute lymphadenopathic toxoplasmosis. Luft BJ, et al. **Arch Intern Med** 1984 Jan;144(1):53–6

Concurrent infection in families of patients with acute toxoplasmosis [editorial] Sacks JJ. **Arch Intern Med** 1984 Jan;144(1):35–6

A family outbreak of toxoplasmosis: a serendipitous finding. De Silva LM, et al. **J Infect** 1984 Mar;8(2):163–7

[Epidemiology of the familial incidence of latent toxoplasmosis] Vráblic J, et al. **Bratisl Lek Listy** 1983 Jul; 80(1):79–85 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Antibody titers to Toxoplasma gondii in renal transplant patients. Figueiredo JF, et al. **Braz J Med Biol Res** 1983 Oct;16(3):235–9

Evaluation of a commercial latex agglutination method for toxoplasmosis. Walls KW, et al. **Diagn Microbiol Infect Dis** 1983 Dec;1(4):265–71

Evaluations of antibody levels in Toxoplasma infection by the immunofluorescent antibody test and ELISA test. Azab ME, et al. **Folia Parasitol (Praha)** 1983;30(4):303–7

Effect of Toxoplasma infection on the sensitivity of mouse thymocytes to natural killer cells. Kamiyama T, et al. **Infect Immun** 1983 Nov;42(2):789–95

Cellular defenses against Toxoplasma gondii in newborns. Wilson CB, et al. **J Clin Invest** 1984 Jun;73(6):1606–16

Diagnosis of acute acquired toxoplasmosis with the enzyme-labelled antigen reversed immunoassay for immunoglobulin M antibodies. Franco EL, et al. **J Immunoassay** 1983;4(4):373–93

Immune response of mice to ingested Toxoplasma gondii: a model of toxoplasma infection acquired by ingestion. McLeod R, et al. **J Infect Dis** 1984 Feb;149(2):234–44

Immune response to Toxoplasma gondii. I. Toxoplasma-specific proliferation response of peripheral blood lymphocytes from patients with toxoplasmosis. Yano A, et al. **Microbiol Immunol** 1983;27(5):455–63

Chemiluminescence response of peritoneal exudate cells from mice infected with virulent and avirulent strains of Toxoplasma gondii. Masihi KN, et al. **Parasite Immunol** 1984 May;6(3):235–41

Detection of IgM anti-toxoplasma antibodies in acute acquired and congenital toxoplasmosis after protein A treatment of serum. Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep–Oct;25(5):201–6

Determination of IgG, IgM and IgA antibody responses in human toxoplasmosis by enzyme-linked immunosorbent assay (ELISA). Turunen H, et al. **Scand J Infect Dis** 1983; 15(3):307–11

[Gel fractionation of immunoglobulins in the detection of specific antitoxoplasma IgM. Evaluation of a 1-year study] Waller J, et al. **Biomed Pharmacother** 1983;37(8):392–5 (Eng. Abstr.) **(Fre)**

[Detection of a pulmonary localization of Toxoplasma gondii in an immunosuppressed patient (letter)] Bendelac A, et al. **Presse Med** 1984 May 5;13(19):1213–4 **(Fre)**

[Toxoplasmosis. Significance and interpretation of antibody determination for medical practice] Scheiden R, et al. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1418–21 **(Ger)**

[Evaluation of the rate of anti-toxoplasma antibodies in the population of Val di Chiana] Gabrielli L, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):369–76 (Eng. Abstr.) **(Ita)**

[Contribution to the serologic study of toxoplasmosis in pregnancy] Passaglia A, et al. **Quad Sclavo Diagn** 1983 Sep; 19(3):389–98 (Eng. Abstr.) **(Ita)**

[Toxoplasmosis and malignant lymphoproliferative disease. A case report] Tangen JM. **Tidsskr Nor Laegeforen** 1983 Jun 10;103(16):1329–30 (Eng. Abstr.) **(Nor)**

[Use, in polytransfusions, of the research on anti-Trypanosoma cruzi and anti-Toxoplasma gondii IgM antibodies to detect recent postransfusion infections] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):83–6 (Eng. Abstr.) **(Por)**

OCCURRENCE

Seroepidemiological survey of toxoplasmosis in La Guadeloupe, French West Indies. Barbier D, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):935–42

Congenital toxoplasmosis: a prospective survey in Brussels. Foulon W, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):419–23

The epidemiology of ovine toxoplasmosis. I. The interpretation of data for the prevalence of antibody in sheep and other host species. Blewett DA. **Br Vet J** 1983 Nov–Dec;139(6):537–45

Toxoplasmosis among people at risk of exposure to infection using indirect haemagglutination test. Aboul-Enein el-S, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):435–40

Toxoplasma encephalitis in recent Haitian entrants. Chan JC, et al. **South Med J** 1983 Oct;76(10):1211–5

Serological and parasitological survey of blood donors in

Kenya for toxoplasmosis. Griffin L, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):763–6
[An investigation on toxoplasmosis in the Beijing District] Wang ZY. **Chung Hua I Hsueh Tsa Chih** 1983 Dec; 63(12):737–9 (Eng. Abstr.) (Chi)
[Serological survey of toxoplasmosis in Beijing residents and discussion on serological method of diagnosis] Zhao SX. **Chung Hua I Hsueh Tsa Chih** 1984 Feb;64(2):66–70 (Eng. Abstr.) (Chi)
[Evaluation of the incidence of toxoplasmosis in the resident population of the island of Panarea (Eolie)] Mastroeni P, et al. **Nuovi Ann Ig Microbiol** 1983 Nov–Dec;34(6):447–61 (Eng. Abstr.) (Ita)
[Incidence of antitoxoplasma antibodies in subjects with lymph node diseases] Stefănoiu V, et al. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):371–6 (Eng. Abstr.) (Rum)
[Epidemiological surveillance of toxoplasmosis in the Czechoslovakian Socialist Republic] Zastera M, et al. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):47–50 (Rus)
[Toxoplasmosis and the epidemiological status of the population. I. The general characteristics of the basic epidemetrons] Krasil'nikov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):41–5 (Eng. Abstr.) (Rus)
[Epidemiological toxoplasmin survey among university students. Antofagasta, Chile] Araya J, et al. **Bol Chil Parasitol** 1983 Jan–Jun;38(1–2):21–3 (Eng. Abstr.) (Spa)
[Toxoplasmosis in patients in 14 Venezuelan states] Bonfante-Garrido R, et al. **Bol Of Sanit Panam** 1984 Jun; 96(6):502–10 (Eng. Abstr.) (Spa)
[Toxoplasmin reactivity and positivity for the dye test and complement fixation in apparently healthy persons from the provinces Ciudad de la Habana and La Habana. Review of the bibliography] Delgado García G. **Rev Cubana Med Trop** 1983 Sep–Dec;35(3):338–44 (Eng. Abstr.) (Spa)
[Seroprevalence of toxoplasmosis during the 1st trimester of pregnancy. Preliminary report of the prospective study of toxoplasmosis acquired during pregnancy] Sáenz RE, et al. **Rev Med Panama** 1984 Jan;9(1):1–7 (Eng. Abstr.) (Spa)

PARASITOLOGY

Toxoplasmosis infection associated with eating undercooked venison. Sacks JJ, et al. **Am J Epidemiol** 1983 Dec; 118(6):832–8
[Toxoplasmosis: facts and conjectures. 2. The routes of circulation of the causative agent] Lysenko AIa. **Med Parazitol (Mosk)** 1984 May–Jun;(3):45–53 (88 ref.) (Eng. Abstr.) (Rus)

PATHOLOGY

'Monocytoid' cells in reactive follicular hyperplasia with and without multifocal histiocytic reactions: an immunohistochemical study of 21 cases including suspected cases of toxoplasmic lymphadenitis. Sheibani K, et al. **Am J Clin Pathol** 1984 Apr;81(4):453–8
Pathologic quiz case 1. Toxoplasma lymphadenitis. Lewis DR. **Arch Otolaryngol** 1984 Jan;110(1):64–6
Cervical lymphadenopathy associated with toxoplasmosis. Newman L. **Br Dent J** 1984 Jan 7;156(1):15–6
Characterization of immature sinus histiocytes (monocytoid cells) in reactive lymph nodes by use of monoclonal antibodies. Cardoso De Almeida P, et al. **Hum Pathol** 1984 Apr;15(4):330–5
[Acquired cerebral toxoplasmosis: 3 anatomoclinical cases] Graveleau P, et al. **Rev Neurol (Paris)** 1984;140(5):330–42 (Eng. Abstr.) (Fre)
[Acquired cerebral toxoplasmosis in adults. Clinical and neuropathologic study] Mashaly R, et al. **Rev Neurol (Paris)** 1983;139(10):561–8 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

Toxoplasmosis, an innocuous disease? Baker CC, et al. **J Infect** 1984 Jan;8(1):67–9
[State of the liver in chronic toxoplasmosis] Krakhmal'nikova GKh, et al. **Vrach Delo** 1983 Aug;(8):119–21 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Delayed secondary immune response in mice immunized with Toxoplasma antigens and its effect for protection against Toxoplasma gondii. Yano K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):381–9
[Congenital toxoplasmosis; observations on the recommendation of the Public Health Council] van der Veen J. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):131–3 (Dut)
[Value of a toxoplasmosis screening] Mayer HO, et al. **Zentralbl Gynakol** 1983;105(17):1097–100 (Ger)
[Serologic toxoplasmosis control in pregnancy using enzyme immunoassay (EIA). 1st experiences] Tiller FW, et al. **Zentralbl Gynakol** 1983;105(17):1101–3 (Ger)
[Toxoplasmosis. A public health problem. Advances and perspectives] Carrada-Bravo T. **Bol Med Hosp Infant Mex** 1983 Jul;40(7):353–62 (Eng. Abstr.) (Spa)

PSYCHOLOGY

[Mental disorders in adults with toxoplasmosis] Szefel A. **Psychiatr Pol** 1983;17(1):65–70 (28 ref.) (Pol)

RADIONUCLIDE IMAGING

Tc-99m colloid lung uptake in a rare case of toxoplasmosis with liver involvement. Garty I, et al. **Clin Nucl Med** 1984 Jun;9(6):310–3

TRANSMISSION

Aetiology of human toxoplasmosis [letter] Hendy-Ibbs PM. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1467
Toxoplasma gondii—an environmental contaminant. Hay J, et al. **Ecol Dis** 1983;2(1):33–43
Disseminated toxoplasmosis in cardiac transplantation. McGregor CG, et al. **J Clin Pathol** 1984 Jan;37(1):74–7
Toxoplasmosis with special reference to peninsular Malaysia and Singapore. Thomas V. **Malays J Pathol** 1979 Aug; 2:23–31
[Distribution of toxoplasmosis. Cat feces and Diptera] Kühlhorn F. **Tierarztl Prax** 1983;11(3):385–92 (Ger)

TOXOPLASMOSIS, ANIMAL

Species and strain differences in sensitivity to Toxoplasma infection among laboratory rodents. Fujii H, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):343–6

BLOOD

Interferon induction in Toxoplasma gondii infected mice. Omata Y, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep;255(2–3):392–6

COMPLICATIONS

Experimental concomitant toxoplasma and malaria infection in rats. Rifaat MA, et al. **Folia Parasitol (Praha)** 1984; 31(2):97–104
Epizootics of ovine abortion due to Toxoplasma gondii in north central United States. Dubey JP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):657–60
Ovine abortion and neonatal death due to toxoplasmosis in Montana. Rhyan JC, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):661–4

CONGENITAL

Congenital toxoplasmic retinochoroiditis in a mouse model. Hay J, et al. **Ann Trop Med Parasitol** 1984 Apr;78(2):109–16
Congenital Toxoplasma infection and response to novelty in mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Aug; 77(4):437–9
Encephalitis in mice with congenital ocular toxoplasmosis. Graham DI, et al. **J Pathol** 1984 Apr;142(4):265–77

DIAGNOSIS

Serological demonstration of toxoplasmosis among sheep in Sudan. el Badawy KS, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):289–93
Serological tests for toxoplasmosis [letter] Evans BK, et al. **Lancet** 1984 May 5;1(8384):1023
The prevalence and public health significance of Toxoplasma gondii in indigenous meat animals in the Niger Delta. Arene FO. **Tropenmed Parasitol** 1984 Jun;35(2):133–5
Role of enzootic abortion and toxoplasmosis in an outbreak of abortion in a Scottish sheep flock. Brodie TA, et al. **Vet Rec** 1983 Nov 5;113(19):437–40

DRUG THERAPY

Comparative effects of cotrimoxazole (trimethoprim-sulphamethoxazole), pyrimethamine-sulphadiazine and spiramycin during avirulent infection with Toxoplasma gondii (Beverley strain) in mice. Nguyen BT, et al. **Br J Pharmacol** 1983 Aug;79(4):923–8

ENZYMOLOGY

[Aminotransferases in mice infected with a virulent strain of Toxoplasma gondii] Nemec R, et al. **Bratisl Lek Listy** 1983 Jul;80(1):41–4 (Eng. Abstr.) (Slo)

IMMUNOLOGY

Experimental study of generalized canine toxoplasmosis. Dobos-Kovács M, et al. **Acta Vet Acad Sci Hung** 1982; 30(1–3):121–33
Macrophage-mediated suppression of immune responses in Toxoplasma-infected mice. I. Inhibition of proliferation of lymphocytes in primary antibody responses. Suzuki Y, et al. **Cell Immunol** 1984 May;85(2):417–27
Partially purified antigen preparations of Toxoplasma gondii protect against lethal infection in mice. Araujo FG, et al. **Infect Immun** 1984 Jul;45(1):122–6
Toxoplasma-induced activities of peritoneal and spleen natural killer cells from beige mice against thymocytes and YAC-1 lymphoma targets. Kamiyama T. **Infect Immun** 1984 Mar;43(3):973–80
Identification of stage-specific sporozoite antigens of Toxoplasma gondii by monoclonal antibodies. Kasper LH, et al. **J Immunol** 1984 Jan;132(1):443–9
Effect of pregnancy on augmentation of natural killer cell activity by Corynebacterium parvum and Toxoplasma gondii. Luft BJ, et al. **J Immunol** 1984 May;132(5):2375–80
Detection of toxoplasma membrane antigens transferred from SDS-polyacrylamide gel to nitrocellulose with monoclonal antibody and avidin-biotin, peroxidase anti-peroxidase and immunoperoxidase methods. Ogata K, et al. **J Immunol Methods** 1983 Dec 16;65(1–2):75–82
Monoclonal antibodies to Toxoplasma cell membrane surface antigens protect mice from toxoplasmosis. Johnson AM, et al. **J Protozool** 1983 May;30(2):351–6
Interferon production in non-immune and immune mice after Toxoplasma infection. Omata Y, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):155–65
Application of an indirect carbon immunoassay (CIA) for the rapid diagnosis of antibody to Toxoplasma gondii in sheep. Waller T, et al. **Vet Immunol Immunopathol** 1983 Dec;5(2):203–8
[Analysis of the soluble antigens in the peritoneal exudate of mice infected with Toxoplasma gondii] Yang XZ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):36–8 (Eng. Abstr.) (Chi)
[Studies on the circulating antigens in murine toxoplasmosis] Nakao M, et al. **Hokkaido Igaku Zasshi** 1984 Jan; 59(1):59–63 (Eng. Abstr.) (Jpn)

OCCURRENCE

Prevalence of Toxoplasma infection in a wild rodent population from central Scotland. Hay J, et al. **Ann Trop Med Parasitol** 1983 Dec;77(6):653–4
Epidemiological aspects of toxoplasmosis in southern Western Australia. Jakob-Hoff RM, et al. **Aust Vet J** 1983 Jul;60(7):217–8
A serological survey of Toxoplasma gondii in pet dogs in Nigeria. Aganga AO, et al. **Br Vet J** 1984 Mar–Apr; 140(2):207–9
The epidemiology of ovine toxoplasmosis. I. The interpretation of data for the prevalence of antibody in sheep and other host species. Blewett DA. **Br Vet J** 1983 Nov–Dec;139(6):537–45
The epidemiology of ovine toxoplasmosis. III. Observations on outbreaks of clinical toxoplasmosis in relation to possible mechanisms of transmission. Blewett DA, et al. **Br Vet J** 1984 Jan–Feb;140(1):54–63

PARASITOLOGY

The immunocytochemical demonstration of Toxoplasma within the eyes of congenitally infected mice. Dutton GN, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):431–3
Toxoplasma gondii: purification of zoites from peritoneal exudates by eight methods. Dempster RP. **Exp Parasitol** 1984 Apr;57(2):195–207
Toxofactor associated with Toxoplasma gondii infection is toxic and teratogenic to mice. Grimwood B, et al. **Infect Immun** 1983 Dec;42(3):1126–35
Toxoplasmic meningoencephalitis in a West Indian manatee. Buergelt CD, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1294–6
Experimental infections of Sarcocystis cruzi, Sarcocystis tenella, Sarcocystis capracanis and Toxoplasma gondii in red foxes (Vulpes vulpes). Dubey JP. **J Wildl Dis** 1983 Jul;19(3):200–3
Distribution of cysts and tachyzoites in calves and pregnant cows inoculated with Toxoplasma gondii oocysts. Dubey JP. **Vet Parasitol** 1983 Oct;13(3):199–211
[Intracellular parasitism and the toxoplasmosis problem] Beier TV. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):713–23 (Eng. Abstr.) (Rus)
[Toxoplasmosis: facts and conjectures. I. The biology and life cycle of the causative agent] Beier TV, et al. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):57–64 (62 ref.) (Eng. Abstr.) (Rus)
[Toxoplasmas of wild warm-blooded animals in Turkmenia] Berdyev AS, et al. **Parazitologiia** 1984 Mar–Apr; 18(2):160–5 (Eng. Abstr.) (Rus)

PATHOLOGY

The lymphoid system of Toxoplasma infected mice. Csóka R, et al. **Acta Microbiol Hung** 1983;30(1):43–6
Photography of the retina in mice congenitally infected with Toxoplasma gondii. Dutton GN, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):435–7
A histological and immunohistochemical study of the changes induced in the brains of white mice by infection with Toxoplasma gondii. Kittas S, et al. **Br J Exp Pathol** 1984 Feb;65(1):67–74

PHYSIOPATHOLOGY

The effect of congenital and adult-acquired Toxoplasma infections on the motor performance of mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):261–77

PSYCHOLOGY

The effect of congenital and adult-acquired Toxoplasma infections on activity and responsiveness to novel stimulation in mice. Hay J, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):483–95

TRANSMISSION

The epidemiology of ovine toxoplasmosis. II. Possible sources of infection in outbreaks of clinical disease. Blewett DA, et al. **Br Vet J** 1983 Nov-Dec;139(6):546–55

Toxoplasma gondii—an environmental contaminant. Hay J, et al. **Ecol Dis** 1983;2(1):33–43

Toxoplasmosis with special reference to peninsular Malaysia and Singapore. Thomas V. **Malays J Pathol** 1979 Aug; 2:23–31

The occurrence of toxoplasma gondii in saliva. Terragna A, et al. **Tropenmed Parasitol** 1984 Mar;35(1):9–10

Strain-dependent, route of challenge-dependent, murine susceptibility to toxoplasmosis. Johnson AM. **Z Parasitenkd** 1984;70(3):303–9

[Distribution of toxoplasmosis. Cat feces and Diptera] Kühlhorn F. **Tierarztl Prax** 1983;11(3):385–92 (Ger)

TOXOPLASMOSIS, CONGENITAL

[Toxoplasmosis and pregnancy. Prevention, early detection and therapy] Thalhammer O. **Zentralbl Gynakol** 1983; 105(16):1086–92 (Ger)

COMPLICATIONS

Congenital toxoplasmosis and mental subnormality [letter] Hay J, et al. **J R Soc Med** 1984 Apr;77(4):344–5

[Congenital toxoplasmosis and transfontanelle brain echography. Apropos of 8 cases observed in newborn infants and infants] Calabet A, et al. **J Radiol** 1984 May; 65(5):367–73 (Eng. Abstr.) (Fre)

[Hydrocephalus congenitus permagnus caused by congenital toxoplasmosis (case report)] Rajić D, et al. **Med Pregl** 1983; 36(9–10):417–8 (Eng. Abstr.) (Scr)

DIAGNOSIS

Congenital toxoplasmosis in triplets. Wiswell TE, et al. **J Pediatr** 1984 Jul;105(1):59–61

[Radiological case of the month: congenital toxoplasmosis] Fauré C, et al. **Arch Fr Pediatr** 1984 May;41(5):357–8 (Fre)

[Unrecognized intrauterine toxoplasmosis despite screening] Fast CM, et al. **Padiatr Padol** 1984;19(1):93–7 (Eng. Abstr.) (Ger)

DRUG THERAPY

[Congenital toxoplasmosis. Tolerability of the sulfadoxine-pyrimethamine combination. 24 cases] Maisonneuve H, et al. **Presse Med** 1984 Mar 31; 13(14):859–62 (Eng. Abstr.) (Fre)

[Treatment of congenital toxoplasmosis] Couvreur J, et al. **Zentralbl Gynakol** 1983;105(17):1108–12 (Ger)

IMMUNOLOGY

Evaluation of the FIAX semiautomatic fluorescent immunoassay system for the detection of IgG antibodies to Toxoplasma gondii. Carlson LG, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):233–9

Detection of IgM anti-toxoplasma antibodies in acute acquired and congenital toxoplasmosis after protein A treatment of serum. Camargo ME, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep-Oct;25(5):201–6

[Congenital toxoplasmosis. Remarks apropos of serologic surveillance in 15,000 pregnant women] Lapierre J, et al. **Sem Hop Paris** 1983 Nov 3;59(40):2741–5 (Eng. Abstr.) (Fre)

OCCURRENCE

Congenital toxoplasmosis [editorial] Beattie CP. **Br J Obstet Gynaecol** 1984 May;91(5):417–8

Congenital toxoplasmosis: a prospective survey in Brussels. Foulon W, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):419–23

Congenital toxoplasmosis [letter] Williams H, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1140–1

PATHOLOGY

[Congenital toxoplasmosis] Adám B, et al. **Orv Hetil** 1984 Aug 5;125(32):1953–5 (Eng. Abstr.) (Hun)

PREVENTION & CONTROL

The evaluation of new services: possibilities for preventing congenital toxoplasmosis. Henderson JB, et al. **Int J Epidemiol** 1984 Mar;13(1):65–72

[Congenital toxoplasmosis; observations on the recommendation of the Public Health Council] van der Veen J. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):131–3 (Dut)

RADIOGRAPHY

Serial changes in a patient with congenital CNS toxoplasmosis as observed with CT. Dunn D, et al. **Comput Radiol** 1984 May-Jun;8(3):133–9

TOXOPLASMOSIS, OCULAR

Ocular toxoplasmosis in Malaysia. Lim VK, et al. **Med J Malaysia** 1983 Sep;38(3):185–7

COMPLICATIONS

Toxoplasmosis affecting the macula. Roy IS, et al. **Indian J Ophthalmol** 1983 May;31(3):165

[The effect of congenital toxoplasmosis on the visual apparatus in children] Medková L, et al. **Cesk Oftalmol** 1983 Sep;39(5):338–43 (Eng. Abstr.) (Cze)

[Preretinal neovessels in toxoplasmic uveitis] Gaudric A, et al. **J Fr Ophtalmol** 1983;6(5):481–6 (Eng. Abstr.) (Fre)

CONGENITAL

A murine model of congenital toxoplasmic retinochoroiditis. Lee WR, et al. **Acta Ophthalmol (Copenh)** 1983 Oct; 61(5):818–30

Congenital toxoplasmic retinochoroiditis in a mouse model. Hay J, et al. **Ann Trop Med Parasitol** 1984 Apr;78(2):109–16

Encephalitis in mice with congenital ocular toxoplasmosis. Graham DI, et al. **J Pathol** 1984 Apr;142(4):265–77

DIAGNOSIS

Disseminated pigment epitheliopathy: report of an unusual case. Yassur Y, et al. **Metab Pediatr Syst Ophthalmol** 1983; 7(3):135–46

Presumed toxoplasmic papillitis. Folk JC, et al. **Ophthalmology** 1984 Jan;91(1):64–7

Ocular toxoplasmosis. O'Connor GR. **Trans New Orleans Acad Ophthalmol** 1983;:108–21

Diagnosis of ocular and glandular toxoplasmosis using the Indian ink immunoreaction. Safar EH, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):169–72

[Indices of specific immunity in ophthalmotoxoplasmosis in children] Teplinskaia LE, et al. **Oftalmol Zh** 1983; 38(4):220–3 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Treatment of toxoplasmic chorioretinitis with clindamycin hydrochloride] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar-Apr;26(2):110–2 (Eng. Abstr.) (Por)

ETIOLOGY

Opportunistic toxoplasmic retinochoroiditis following chemotherapy for systemic lymphoma. A light and electron microscopic study. Yeo JH, et al. **Ophthalmology (Rochester)** 1983 Aug;90(8):885–98

Toxoplasmic retinochoroiditis—current concepts in pathogenesis. Dutton GN, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):503–7

IMMUNOLOGY

[Detection of IgM antibodies in immunized rabbits and toxoplasmic retinochoroiditis] Oniki S. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1242–9 (Eng. Abstr.) (Jpn)

[Autoantibodies in patients with uveitis of various etiologies] Teplinskaia LE, et al. **Vestn Oftalmol** 1984 Mar-Apr; (2):40–3 (Eng. Abstr.) (Rus)

PARASITOLOGY

The immunocytochemical demonstration of Toxoplasma within the eyes of congenitally infected mice. Dutton GN, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):431–3

PATHOLOGY

Photography of the retina in mice congenitally infected with Toxoplasma gondii. Dutton GN, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):435–7

The macula in ocular toxoplasmosis. Schlaegel TF Jr, et al. **Arch Ophthalmol** 1984 May;102(5):697–8

PHYSIOPATHOLOGY

[Toxoplasmic choroiditis and subretinal neovessels] Skorska I, et al. **J Fr Ophtalmol** 1984;7(3):211–8 (Eng. Abstr.) (Fre)

TOYOCAMYCIN see under **RIBONUCLEOSIDES**

TOYOMICIN see under **CHROMOMYCINS**

TOYS see **PLAY AND PLAYTHINGS**

TPN see **NADP**

TRABECULAR MESHWORK

ANALYSIS

Glucocorticoid target cells in human outflow pathway: autopsy and surgical specimens. Hernandez MR, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1612–6

ANATOMY & HISTOLOGY

Aqueous outflow in the beagle. I. Postnatal morphologic development of the iridocorneal angle: pectinate ligament and uveal trabecular meshwork. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):783–94

Aqueous outflow in the beagle. II. Postnatal morphologic development of the iridocorneal angle: corneoscleral trabecular meshwork and angular aqueous plexus. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):795–807

CYTOLOGY

Trabecular meshwork cellularity in primary open-angle glaucoma and nonglaucomatous normals. Alvarado J, et al. **Ophthalmology** 1984 Jun;91(6):564–79

ENZYMOLOGY

Glutathione peroxidase of calf trabecular meshwork. Scott DR, et al. **Invest Ophthalmol Vis Sci** 1984 May; 25(5):599–602

GROWTH & DEVELOPMENT

The occurrence of cell death during the remodelling of the chamber angle recess in the developing rat eye. Remé C, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(3):113–21

METABOLISM

Effects of chondroitin sulfate on metabolism of trabecular meshwork. Yue BY, et al. **Exp Eye Res** 1984 Jan; 38(1):35–44

Altered cortisol metabolism in cells cultured from trabecular meshwork specimens obtained from patients with primary open-angle glaucoma. Southren AL, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1413–7

Prostaglandin production by human trabecular cells: in vitro inhibition by dexamethasone. Weinreb RN, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1541–5

PATHOLOGY

Developmental immaturity of the trabecular meshwork in juvenile glaucoma. Tawara A, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):82–97

Trabecular meshwork cell culture in glaucoma research: evaluation of biological activity and structural properties of human trabecular cells in vitro. Polansky JR, et al. **Ophthalmology** 1984 Jun;91(6):580–95

[Elastic fibers of the drainage system of the human eye] Zatulina NI, et al. **Oftalmol Zh** 1983;(8):497–9 (Eng. Abstr.) (Rus)

PHYSIOLOGY

[Aqueous flow through anterior and posterior parts of the human trabecular meshwork] Inomata H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1457–62 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Corticosteroid glaucoma. François J. **Ophthalmologica** 1984; 188(2):76–81

SURGERY

Laser trabeculoplasty in open angle glaucoma. Elsås T, et al. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):991–7

The visual field after trabeculectomy. A follow-up study using computerized perimetry. Holmin C, et al. **Acta Ophthalmol (Copenh)** 1984 Apr;62(2):230–4

Laser trabeculoplasty in open angle glaucoma. A short term study using computerized perimetry. Holmin C, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):337–41

Late results of laser trabeculoplasty for increased intraocular pressure. Pohjanpelto P. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):998–1008

Laser trabeculoplasty in open angle glaucoma. Raitta C, et al. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):673–7

Selective trabeculectomy. A report of a new surgical method for open angle glaucoma. Skjaerpe F. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):714–27

Laser trabeculoplasty as primary therapy in chronic open angle glaucoma. Tuulonen A. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):150–5

Laser trabeculoplasty II in secondary glaucoma and after failed trabeculectomy in primary open angle glaucoma. Tuulonen A, et al. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1016–20

Laser trabeculoplasty I in simple and capsular glaucoma. Tuulonen A, et al. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1009–15

Prognostic features in laser trabeculoplasty. Zborowski L, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):142–9

Long-term results of silicone tube in filtering surgery for eyes with neovascular glaucoma. Honrubia FM, et al. **Am J Ophthalmol** 1984 Apr;97(4):501–4

Argon laser trabeculoplasty in pigmentary dispersion syndrome with glaucoma. Lunde MW. **Am J Ophthalmol** 1983 Dec;96(6):721–5

Effects of corticosteroid pretreatment on argon laser trabeculoplasty [letter] March WF, et al. **Am J Ophthalmol** 1983 Nov;96(5):693–4

Argon laser trabeculoplasty in younger patients with primary open-angle glaucoma. Safran MJ, et al. **Am J Ophthalmol** 1984 Mar;97(3):292–5

Effects of laser trabeculoplasty on the human aqueous humor dynamics: a fluorophotometric study. Araie M, et al. **Ann Ophthalmol** 1984 Jun;16(6):540–2, 544

Laser cyclotrabeculospasis in the system of laser treatment in glaucoma. Krasnov MM. **Ann Ophthalmol** 1983 Nov; 15(11):1001–3

Argon laser trabeculoplasty in progressive low-tension

glaucoma. Schwartz AL, et al. **Ann Ophthalmol** 1984 Jun; 16(6):560–2, 566

Combined trabeculectomy, intracapsular cataract extraction, and lens implantation: a clinical series. Wiley RG, et al. **Ann Ophthalmol** 1984 May;16(5):486–90, 494–5

Breakdown and reestablishment of blood–aqueous barrier with laser trabeculoplasty. Feller DB, et al. **Arch Ophthalmol** 1984 Apr;102(4):537–8

Laser trabeculoplasty [letter] Lewis R. **Arch Ophthalmol** 1984 Sep;102(9):1268

Trabeculectomy v thermosclerostomy. A five-year follow-up. Lewis RA, et al. **Arch Ophthalmol** 1984 Apr; 102(4):533–6

Laser trabeculoplasty. A prospective study of treatment variables. Lustgarten J, et al. **Arch Ophthalmol** 1984 Apr; 102(4):517–9

'Valve trabeculotomy' in glaucoma. Nesterov AP, et al. **Arch Ophthalmol** 1984 Apr;102(4):588–9

Laser trabeculoplasty primary therapy in open-angle glaucoma. A preliminary report. Rosenthal AR, et al. **Arch Ophthalmol** 1984 May;102(5):699–701

Limbus- v fornix-based conjunctival flap in trabeculectomy. A long-term randomized study. Shuster JN, et al. **Arch Ophthalmol** 1984 Mar;102(3):361–2

Argon laser trabeculoplasty as initial therapy for glaucoma. Thomas JV, et al. **Arch Ophthalmol** 1984 May;102(5):702–3

Central corneal endothelial cell density after argon laser trabeculoplasty. Traverso C, et al. **Arch Ophthalmol** 1984 Sep;102(9):1322–4

Formation of peripheral anterior synechiae following argon laser trabeculoplasty. A prospective study to determine relationship to position of laser burns. Traverso CE, et al. **Arch Ophthalmol** 1984 Jun;102(6):861–3

Laser trabeculotomy or trabeculoplasty. Early experience with a new non-invasive surgical technique for glaucoma. Gillies WE, et al. **Aust J Ophthalmol** 1983 Aug;11(3):165–8

Laser trabeculoplasty. Early experience with a new procedure. Higgins RA. **Aust J Ophthalmol** 1983 Aug; 11(3):169–73

Combined trabeculectomy and cataract extraction. West RH. **Aust J Ophthalmol** 1983 Aug;11(3):163–4

Combined trabeculectomy and cataract extraction: modified technique. Fanous S, et al. **Can J Ophthalmol** 1983 Oct; 18(6):274–7

Microsurgery in congenital glaucoma. Agarwal HC, et al. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):777–9

Trabeculectomy combined with pars plana vitrectomy in aphakic glaucoma (a comparative study). Billore OP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):642–4

A modification in trabeculectomy. Dubey AK, et al. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):773–6

Trepanotrabeculectomy—a clinical study. Gangwar DN, et al. **Indian J Ophthalmol** 1983 Sep;31(5):623–6

Scleral wick trabeculectomy. Maheshwari RK, et al. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):797–8

A comparative study of sub-episcleral iridencleisis and trabeculectomy. Mishra RK. **Indian J Ophthalmol** 1983 Sep;31(5):680–2

Argon laser trabeculoplasty in the treatment of glaucoma. Nirankari VS, et al. **Indian J Ophthalmol** 1983 Nov–Dec; 31(6):751–3

Quantitative trabeculectomy. Patel CB, et al. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):793–5

Further report on trabeculectomy 'trabeculectomy with scleral flap'. Patel CK, et al. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):749–50

Argon laser therapy in open angle glaucoma. Rao BS. **Indian J Ophthalmol** 1983 Nov–Dec;31(6):755–8

Goniotomy vs trabeculotomy. Hoskins HD Jr, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jul–Aug;21(4):153–8

The advantages of trabeculotomy over goniotomy. Luntz MH. **J Pediatr Ophthalmol Strabismus** 1984 Jul–Aug; 21(4):150–3

Laser trabeculoplasty and decay effects in glaucoma patients. Fink AI, et al. **J R Soc Med** 1984 Feb;77(2):97–101

Blood reflux into anterior chamber after trabeculectomy. Namba H. **Jpn J Ophthalmol** 1983;27(4):616–25

Laser trabeculoplasty for open-angle glaucoma. **Med Lett Drugs Ther** 1984 May 25;26(662):52–3

Filtering surgery in childhood glaucoma. Cadera W, et al. **Ophthalmic Surg** 1984 Apr;15(4):319–22

Argon laser trabeculoplasty following failed trabeculectomy. Fellman RL, et al. **Ophthalmic Surg** 1984 Mar;15(3):195–8

Reopening cyclodialysis cleft with Nd:YAG laser following trabeculectomy. Fellman RL, et al. **Ophthalmic Surg** 1984 Apr;15(4):285–8

Acute intraocular pressure elevation after argon laser trabeculoplasty and iridectomy: a clinicopathologic study. Greenidge KC, et al. **Ophthalmic Surg** 1984 Feb; 15(2):105–10

Major early complications of laser trabeculoplasty. Levene R. **Ophthalmic Surg** 1983 Nov;14(11):947–53

Laser trabeculoplasty enhancement by argon laser iridotomy and/or iridoplasty [letter] Metz D, et al. **Ophthalmic Surg** 1984 Jun;15(6):535

The effect of repeating full-circumference argon laser trabeculoplasty. Starita RJ, et al. **Ophthalmic Surg** 1984 Jan;15(1):41–3

Effect of varying size of scleral flap and corneal block on trabeculectomy. Starita RJ, et al. **Ophthalmic Surg** 1984 Jun;15(6):484–7

Focal pressure: a new method to encourage filtration after trabeculectomy. Traverso CE, et al. **Ophthalmic Surg** 1984 Jan;15(1):62–5

Intraocular pressure the day of argon laser trabeculoplasty in primary open-angle glaucoma. Krupin T, et al. **Ophthalmology** 1984 Apr;91(4):361–5

Argon laser trabeculoplasty: comparison of bichromatic and monochromatic wavelengths. Smith J. **Ophthalmology** 1984 Apr;91(4):355–60

Errors in laser spot size in laser trabeculoplasty. Wise JB. **Ophthalmology** 1984 Feb;91(2):186–90

Trabeculotomy compared to goniotomy for glaucoma in children. Anderson DR. **Ophthalmology (Rochester)** 1983 Jul;90(7):805–6

Effect of argon laser trabeculoplasty on the glaucomatous diurnal curve. Greenidge KC, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):80[illegible]–4

Complications of laser trabeculoplasty. Hoskins HD Jr, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):796–9

Carbon dioxide laser trabeculostomy for the treatment of neovascular glaucoma. L'Esperance FA Jr, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):821–9

Laser trabeculoplasty and the glaucomas. Lieberman MF, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):790–5

The effect of argon laser trabeculoplasty on the medical control of primary open-angle glaucoma. Pollack IP, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):785–9

Four-year experience with argon laser trabecular surgery in uncontrolled open-angle glaucoma. Schwartz AL, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):771–80

Variation of techniques on the results of argon laser trabeculoplasty. Schwartz LW, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):781–4

Argon laser photocoagulation of the trabecular meshwork in open-angle glaucoma. Kellen RI, et al. **S Afr Med J** 1983 Sep 28;64(14):557–8

Primary infantile glaucoma (congenital glaucoma). deLuise VP, et al. **Surv Ophthalmol** 1983 Jul–Aug;28(1):1–19 (146 ref.)

Argon laser trabeculoplasty in the treatment of secondary glaucoma. Spaeth GL, et al. **Trans Am Ophthalmol Soc** 1983;81:325–32

Laser trabeculoplasty. Holmes WR. **Trans Ophthalmol Soc NZ** 1984;36:64–5

Argon laser trabeculoplasty. Welch RT, et al. **Trans Ophthalmol Soc NZ** 1984;36:61–3

Clinico pathological correlation in eyes with failed fistulizing surgery. Hitchings RA, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):84–8

Argon laser trabeculoplasty for open angle glaucoma. A retrospective study of 380 eyes. Horns DJ, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):288–96

Earlier trabeculectomy. Jay JL. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):35–8

Laser trabeculoplasty. Smith RJ. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):42–3

[Laser trabeculoplasty. Preliminary note] Van Nerom P, et al. **Bull Soc Belge Ophtalmol** 1983;204–205:63–7 (Eng. Abstr.) **(Fre)**

[Late results of trabeculectomy in chronic simple glaucoma. Apropos of the operations performed at the Ophthalmologic Clinic of Strasbourg from 1975 to 1981] Bronner A, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep; 83(8–9):1023–4, 1027–8 (Eng. Abstr.) **(Fre)**

[Results of argon laser treatment of 100 eyes with open-angle glaucoma (trabeculoplasty, trabeculoretraction)] Moulin F, et al. **J Fr Ophtalmol** 1983;6(8–9):661–70 (Eng. Abstr.) **(Fre)**

[Trabeculectomy in the treatment of congenital glaucoma. Apropos of 74 cases] Sekkat A, et al. **J Fr Ophtalmol** 1984; 7(2):151–5 (Eng. Abstr.) **(Fre)**

[The technic of argon laser trabeculoplasty and its results] Kitazawa Y, et al. **Klin Monatsbl Augenheilkd** 1984 Apr; 184(4):274–7 (Eng. Abstr.) **(Ger)**

[Trabeculectomy in buphthalmos] Kolozsvári L. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):503–6 (Eng. Abstr.) **(Ger)**

[Shape of filtration blebs and pressure regulation after trabeculectomy] Pham-Duy T, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):166–8 (Eng. Abstr.) **(Ger)**

[Laser trabeculoplasty in low-tension glaucoma] Strasser G, et al. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):507–8 (Eng. Abstr.) **(Ger)**

[Argon laser trabeculoplasty. Initial results of a prospective study] Zink H, et al. **Klin Monatsbl Augenheilkd** 1984 Apr; 184(4):278–82 (Eng. Abstr.) **(Ger)**

[Laser trabeculoplasty for glaucoma] Frucht J, et al. **Harefuah** 1984 Apr 1;106(7):301–3 (Eng. Abstr.) **(Heb)**

[Histopathological study of anterior chamber angle after laser trabeculoplasty in cynomolgus monkeys (Macaca irus)] Masuyama Y. **Nippon Ganka Gakkai Zasshi** 1984 Jun; 88(6):1007–20 (Eng. Abstr.) **(Jpn)**

[Effects of sodium hyaluronate on scar formation of monkey eyes after trabeculectomy. Physiological and histological study] Shimizu K. **Nippon Ganka Gakkai Zasshi** 1984 Feb; 88(2):350–9 (Eng. Abstr.) **(Jpn)**

[Half-circumference laser trabeculoplasty] Yamamoto T, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):486–92 (Eng. Abstr.) **(Jpn)**

[Macular edema after trabeculectomy] Kałużny J, et al. **Klin Oczna** 1983 Aug–Sep;85(8–9):317–8 (Eng. Abstr.) **(Pol)**

[New modification of sinus-trabeculectomy for different forms of glaucoma] Babicheva RG, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):9–11 (Eng. Abstr.) **(Rus)**

[Long-term results of trabeculostomy and trabeculocyclostomy in primary glaucoma] Grusha OV, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):13–5 (Eng. Abstr.) **(Rus)**

[Sinusotrabeculectomy in glaucoma with and without pseudoexfoliation] Kobzeva VI, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):12–5 (Eng. Abstr.) **(Rus)**

[Step-by-step laser trabeculoplasty in open-angle glaucoma] Mamedov NG, et al. **Vestn Oftalmol** 1984 May–Jun; (3):10–3 (Eng. Abstr.) **(Rus)**

[Immediate and late results in variants of sinusotrabeculectomy] Perlamutrova VV, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):16–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Human trabecular meshwork in primary culture: a morphological and autoradiographic study. Grierson I, et al. **Exp Eye Res** 1983 Oct;37(4):349–65

Why is intraocular pressure elevated in chronic simple glaucoma? Anatomical considerations. Rohen JW. **Ophthalmology (Rochester)** 1983 Jul;90(7):758–65

[Iridoschisis and glaucoma. Scanning microscopy of the iris and trabeculum] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):1029–33 (Eng. Abstr.) **(Fre)**

[Immature trabecular meshwork in juvenile open-angle glaucoma] Tawara A, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1422–7 (Eng. Abstr.) **(Jpn)**

TRACE ELEMENTS

ADMINISTRATION & DOSAGE

Historical aspects of minerals and vitamins in parenteral nutrition. Shils ME. **Fed Proc** 1984 Apr;43(5):1412–6

Some nutritional aspects of trace metals. Aggett PJ, et al. **J Inherited Metab Dis** 1983;6 Suppl 1:22–30 (91 ref.)

ANALYSIS

Decreased trace element contents in chromatin of patients with pemphigus. Baló-Banga JM, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):107–11

Iron, copper, zinc, calcium, and magnesium in human milk fat. Fransson GB, et al. **Am J Clin Nutr** 1984 Feb; 39(2):185–9

Minor and trace element analysis of gallstones. Al-Kinani AT, et al. **Analyst** 1984 Mar;109(3):365–8

Limits of detection of trace elements in biological materials analysed by instrumental neutron activation analysis using X-ray spectrometry and magnetic deflection of beta-rays. Mantel M. **Analyst** 1983 Oct;108(1291):1190–4

Brain trace elements in Pick's disease. Ehmann WD, et al. **Ann Neurol** 1984 Jan;15(1):102–4

Concentrations of lead, magnesium, calcium, zinc and cadmium in twenty rabbit tissues after exposure to low lead doses and atherogenic diet. Speich M, et al. **Ann Nutr Metab** 1983;27(6):531–41

Trace element burdening of human tissues due to the corrosion of hip-joint prostheses made of cobalt-chromium alloys. Michel R, et al. **Arch Orthop Trauma Surg** 1984; 103(2):85–95

Investigations of trace metal content of normal and diseased nails. Bauer F, et al. **Australas J Dermatol** 1983 Dec; 24(3):127–9

Trace metal distributions in the surficial sediments of Penobscot Bay, Maine. Larsen PF, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):566–73

Evaluation of a sequential extraction scheme to study associations of trace elements in estuarine and oceanic sediments. Maher WA. **Bull Environ Contam Toxicol** 1984 Mar;32(3):339–44

Determination of some trace elements in fresh water snails, intermediate hosts for schistosomiasis. Nabih I, et al. **Cell Mol Biol** 1984;30(2):133–5

Trace elements in human seminal plasma and spermatozoa. Pleban PA, et al. **Clin Chim Acta** 1983 Sep 15;133(1):43–50

Urinary excretion and blood concentrations of trace elements and electrolytes during total parenteral nutrition in Crohn's disease. Jacobson S, et al. **Dig Dis Sci** 1984 Jul;29(7):606–13

Effects of low levels of dietary lead and iron on hepatic RNA, protein, and minerals in young Japanese quail. Stone CL, et al. **Environ Res** 1984 Apr;33(2):322–32

Radionuclides and selected trace elements in marine protein concentrates. Beasley TM, et al. **Health Phys** 1971 Dec; 21(6):815–20

Microprobe analysis of human masseter muscle biopsies. Horowitz E, et al. **Histochemistry** 1983;78(4):451–7

Elemental hair analysis: new evidence on the etiology of cribra orbitalia in Sudanese Nubia. Sandford MK, et al. **Hum Biol** 1983 Dec;55(4):831–44

Trace element levels in hair of eight-year-old children. Herber RF, et al. **Int Arch Occup Environ Health** 1983; 53(2):127–37

Simultaneous determination of some trace elements in biological materials by neutron activation analysis.

Czauderna M. **Int J Appl Radiat Isot** 1984 Jul;35(7):681–4
Mineral and trace element content of vegetarian diets. Kramer LB, et al. **J Am Coll Nutr** 1984;3(1):3–11
Trace metals in drinking water: lack of influence on blood pressure. Sparrow D, et al. **J Chronic Dis** 1984;37(1):59–65
Effect of electrolytes in the presence of some trace elements on the stability of all-in-one emulsion mixtures for total parenteral nutrition. Iliano L, et al. **J Clin Hosp Pharm** 1984 Jun;9(2):87–93
To the problem of trace elements and hydrocarbons emissions from combustion of coal. Bezačinský M, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):129–38
Analytical procedures for diagnosis of trace element disorders. Fell GS. **J Inherited Metab Dis** 1983;6 Suppl 1:5–8
Diabetes in pregnancy: retarded fetal growth, congenital malformations and feto-maternal concentrations of zinc, copper and manganese in the rat. Eriksson UJ. **J Nutr** 1984 Mar;114(3):477–84
Uses of synchrotron radiation. Gordon BM. **Neurotoxicology (Park Forest Il)** 1983 Fall;4(3):13–22
Air pollution emission profiles of toxic and trace elements from energy related sources: status and needs. Lioy PJ. **Neurotoxicology (Park Forest Il)** 1983 Fall;4(3):103–12
The role of trace elements in gallstone formation. Sekiya T. **Nippon Geka Hokan** 1983 Jan 1;52(1):17–37
Distribution of trace elements and minerals in human and cow's milk. Fransson GB, et al. **Pediatr Res** 1983 Nov; 17(11):912–5
Trace element analysis in biological samples by using XRF spectrometry with secondary radiation. Cesareo R, et al. **Phys Med Biol** 1983 Nov;28(11):1209–18
Analysis of minor and trace elements in gallstones by induction of characteristic ionising radiation. Al-Kinani AT, et al. **Phys Med Biol** 1984 Feb;29(2):175–84
Some trace element contents of breast milk in Turkey. Köksal O, et al. **Prog Clin Biol Res** 1983;129:227–33
Trace element analysis of airborne particulate matters in relation to air pollution in Benin City, Nigeria. Ndiokwere CL. **Radioisotopes** 1983 Oct;32(10):491–3
Proton-induced X-ray emission analysis – a new tool in quantitative dermatology. Malmqvist KG, et al. **Scan Electron Microsc** 1983;(Pt 4):1815–25
A quantitative microradiographic study of mineral content of supragingival and subgingival dental calculus. Friskopp J, et al. **Scand J Dent Res** 1984 Feb;92(1):25–32
Data analysis in studies of trace-element levels in human tissues [editorial] Cherry WH. **Sci Total Environ** 1984 Mar 15;34(3):199–201
Concentrations of four essential trace elements in breast milk of mothers from two socio-economic groups: preliminary observations. Dang HS, et al. **Sci Total Environ** 1984 Apr 5;35(1):85–9
Trace element changes in hair during pregnancy: preliminary study. Dang HS, et al. **Sci Total Environ** 1983 Nov; 31(2):187–92
Trace elements in some human milk samples by radiochemical neutron activation analysis. Kosta L, et al. **Sci Total Environ** 1983 Aug;29(3):261–8
Investigations of trace metals in long-tailed duck (Clangula hyemalis L.) from the Gdańsk Bay. Szefer P, et al. **Sci Total Environ** 1983 Aug;29(3):269–76
Particle-induced X-ray emission (PIXE) analysis of trace elements in human coronal dentin. Möller B, et al. **Swed Dent J** 1984;8(2):67–72
The organ distribution of tin and the effect of tin on concentrations of several essential elements in rabbit. Chiba M, et al. **Toxicology** 1984 May 1;31(1):23–32
Trace elements in human milk: results from a 6 nation survey. Iyengar GV. **Z Gesamte Hyg** 1984 Feb;30(2):88
[Determination of the trace element content of human nails by neutron activation analysis] Kinova L, et al. **Eksp Med Morfol** 1984;23(1):42–6 (Eng. Abstr.) **(Bul)**
[Preliminary observation on determination of trace elements in the hair in patients with renal insufficiency] Wang K. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May;3(3):171–2 **(Chi)**
[Analysis of the labyrinth capsule for trace elements using the proton microprobe] Krmpotić-Nemanić J, et al. **Arch Otorhinolaryngol [Suppl]** 1983;2:168–72 **(Ger)**
[Trace-element content in sweat and organs of horses] Schmidt M. **DTW** 1984 May 7;91(5):197–8 (Eng. Abstr.) **(Ger)**
[Determination of minerals and trace elements in idiopathic scoliosis] Milachowski KA, et al. **Z Orthop** 1984 Jan-Feb; 122(1):90–3 (Eng. Abstr.) **(Ger)**
[A study of the characteristics of trace elements in the hair of Japanese. Reference values and element patterns for determining normal levels] Kamakura M. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):823–38 **(Jpn)**
[Determination of trace metals in biological materials by iodides extraction and atomic absorption spectrometry] Sekiguchi E, et al. **Sangyo Igaku** 1983 Sep;25(5):415–21 (Eng. Abstr.) **(Jpn)**
[Toxic elements in cow's and human milk] Juszkiewicz T, et al. **Przegl Lek** 1983;40(6):525–6 (Eng. Abstr.) **(Pol)**
[Effect of dust emission in the area of steel and electric power plants on various trace element contents of selected vegetables and fruit. I. Lead, cadmium, zinc, copper, nickel and iron contents of vegetables] Błoniarz J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):29–35 (Eng. Abstr.) **(Pol)**
[Concentration of iron, zinc, tin, copper, lead and arsenic in Polish beers] Kedzierski B. **Rocz Panstw Zakl Hig** 1983; 34(5–6):475–80 (Eng. Abstr.) **(Pol)**
[Spectrographic determination of trace elements in natural water using government reference standards] Novikov IuV, et al. **Gig Sanit** 1983 Dec;(12):37–8 **(Rus)**
[Aluminum, silicon, potassium and sodium content of the blood and digestive gland secretion of patients with chronic digestive organ diseases] Gubergrits AIa, et al. **Klin Med (Mosk)** 1984 Feb;62(2):104–7 (Eng. Abstr.) **(Rus)**

BLOOD

Comparative studies of manganese(II)-, nickel(II)-, zinc(II)-, copper(II)-, cadmium(II)-, and iron(III)-binding components in human cord and adult sera. Lau SJ, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):449–55
Trace elements in serum from Pakistani patients with acute and chronic ischemic heart disease and hypertension. Khan SN, et al. **Clin Chem** 1984 May;30(5):644–8
Simultaneous determination of trace elements in serum by energy-dispersive x-ray fluorescence spectrometry. Rastegar F, et al. **Clin Chem** 1984 Aug;30(8):1300–3
Mineral and endocrine metabolism during fracture healing in dogs. Meller Y, et al. **Clin Orthop** 1984 Jul-Aug; (187):289–95
Serum iron, copper, zinc, ferritin, and ceruloplasmin after intense heat exposure. Uhari M, et al. **Eur J Applied Physiol** 1983;51(3):331–5
The role of calcium, copper, iron and zinc in preterm delivery and premature rupture of fetal membranes. Kiilholma P, et al. **Gynecol Obstet Invest** 1984;17(4):194–201
Trace metals in postdate pregnancy. Kiilholma P, et al. **Gynecol Obstet Invest** 1984;18(1):45–8
Study of trace elements—zinc, copper, iron and magnesium in ulcerative colitis and dysenteries. Puri VK, et al. **Indian J Gastroenterol** 1983 Apr;2(1):17–9
Study of trace elements in patients on haemodialysis. Löcsey L, et al. **Int Urol Nephrol** 1983;15(3):289–95
Trace elements in some parasitic diseases. el Gohari Y, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):179–87
A preliminary study on serum trace elements in 'Yin-deficiency' and 'Yang-deficiency' patients. Application of the PIXE analysis in medical science. Zhu W, et al. **J Tradit Chin Med** 1983 Jun;3(2):145–50
Determination of trace elements in human whole blood by instrumental neutron activation analysis. Lin SM. **Radioisotopes** 1983 Apr;32(4):155–62
Measurement of superoxide dismutase, diamine oxidase and caeruloplasmin oxidase in the blood of thoroughbreds. Smith P, et al. **Res Vet Sci** 1983 Sep;35(2):160–4
Changes in serum elements of childhood acute lymphoblastic leukemia before and during therapy. Osman S, et al. **Turk J Pediatr** 1983 Oct-Dec;25(4):233–43
[Relations between the degree of arteriosclerosis and trace element and lipid parameters] Voigt H, et al. **Z Gesamte Hyg** 1984 Jun;30(6):321–2 (Eng. Abstr.) **(Ger)**
[Effect of occupational lead exposure on various elements in the human blood. Effects on calcium, cadmium, iron, copper, magnesium, manganese and zinc levels in the human blood, erythrocytes and plasma in vivo] Truckenbrodt R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):187–97 (Eng. Abstr.) **(Ger)**
[Liver diseases and trace elements. New diagnostic and therapeutic possibilities] Aaseth J, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):225–8 (Eng. Abstr.) **(Nor)**
[Trace elements and metalloproteins in rheumatoid arthritis] Aaseth J, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30; 103(24):1694–6 (Eng. Abstr.) **(Nor)**
[Blood levels of various bioelements in patients with rheumatoid arthritis and ankylosing spondylitis during balneological treatment at the Busko health resort] Zielonka E, et al. **Reumatologia** 1982;20(3–4):209–15 (Eng. Abstr.) **(Pol)**
[Effect of hypothalamus stimulation on blood levels of various trace elements and coupled metalloenzymes] Voroshilovskaia SP. **Fiziol Zh** 1983 Jul-Aug;29(4):461–4 **(Rus)**
[Changes in the mineral metabolism of neuroses patients with autonomic crises] Pankova OF, et al. **Sov Med** 1984;(1):55–9 (Eng. Abstr.) **(Rus)**
[Role of trace elements in the pathogenesis and early diagnosis of occupational allergic dermatoses] Bagrova AA, et al. **Vestn Dermatol Venerol** 1984 Mar;(3):66–70 (Eng. Abstr.) **(Rus)**
[Metabolism of trace elements and the prevention of its disorders] Nasolodin VV, et al. **Voen Med Zh** 1984 Feb; (2):39–42 **(Rus)**
[Dynamics of the blood electrolyte and trace element composition in patients with chronic digestive organ diseases] Gubergrits AIa, et al. **Vrach Delo** 1984 Jul;(7):32–4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Trace elements in cerebrospinal fluid in motor neurone disease. Mitchell JD, et al. **Br Med J [Clin Res]** 1984 Jun 16;288(6433):1791–2

DEFICIENCY

Trace element nutrition. Bogden JD. **J Med Soc NJ** 1983 Dec;80(12):1046–9

METABOLISM

Mutations affecting trace elements in humans and animals. A genetic approach to an understanding of trace elements. Danks DM, et al. **Adv Hum Genet** 1983;13:149–216 (234 ref.)
Bioavailability of trace mineral elements. Forbes RM, et al. **Annu Rev Nutr** 1983;3:213–21 (117 ref.)
Iron, copper, zinc, and manganese in milk. Lönnerdal B, et al. **Annu Rev Nutr** 1981;1:149–74 (153 ref.)
Accumulation of trace elements, pesticides, and polychlorinated biphenyls in sediments and the clam Corbicula manilensis of the Apalachicola River, Florida. Elder JF, et al. **Arch Environ Contam Toxicol** 1984 Jul; 13(4):453–69
The effect of low doses of dietary cadmium oxide on the disposition of trace elements (zinc, copper, iron), hematological parameters, and liver function in rats. Weigel HJ, et al. **Arch Environ Contam Toxicol** 1984 May; 13(3):289–96
Nutritional aspects of Down's syndrome with special reference to the nervous system. Sylvester PE. **Br J Psychiatry** 1984 Aug;145:115–20
Influence of accumulation of cadmium on the content of other microelements of two species of Black Sea decapods. Skwarzec B, et al. **Bull Environ Contam Toxicol** 1984 Jan; 32(1):93–101
Concentrations of electrolytes and trace metals in amniotic fluid and body tissues of rabbits during the last two weeks of gestation. Palavinskas R, et al. **Comp Biochem Physiol [A]** 1983;76(1):63–9
Trace elements in renal insufficiency. Symposium on Trace Elements in Renal Insufficiency, Bernried , March 10–12, 1983. **Contrib Nephrol** 1984;38:1–206
Public health/clinical significance of inorganic chemical elements. Abdulla M. **Experientia [Suppl]** 1983;44:339–55
Historical outline of the biological importance of trace metals. Williams DR. **J Inherited Metab Dis** 1983;6 Suppl 1:1–4
Elemental redistribution and ultrastructural changes in guinea pig epidermis after dinitrochlorobenzene (DNCB) exposure. Lindberg M, et al. **J Invest Dermatol** 1983 Oct; 81(4):303–8
The action of cellulose on the intestinal mucosa and element absorption by the rat. Gordon DT, et al. **J Nutr** 1983 Dec; 113(12):2545–56
Effect of dietary nickel on growth, urease activity, blood parameters and tissue mineral concentrations in the neonatal pig. Spears JW, et al. **J Nutr** 1984 May; 114(5):845–53
The influence of manganese on the distribution of essential trace elements. II. The tissue distribution of manganese, magnesium, zinc, iron, and copper in rats after chronic manganese exposure. Scheuhammer AM, et al. **J Toxicol Environ Health** 1983 Aug-Sep;12(2–3):361–70
Brain trace element concentrations in aging. Markesbery WR, et al. **Neurobiol Aging** 1984 Spring;5(1):19–28
Effect of thiol chelators on trace metal levels. Tandon SK, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):501–4
Tissue trace elements and lung superoxide dismutase activity in mice exposed to ozone. Dubick MA, et al. **Toxicol Lett** 1983 Jul;17(3–4):355–60
Toxicity of the ionophores [letter] Costa ND, et al. **Vet Rec** 1984 Mar 3;114(9):227–8
[Effect of Bulgarian potassium-calcium zeolites on the assimilation of macro- and trace elements in lambs] Petkova E, et al. **Vet Med Nauki** 1983;20(8):36–40 (Eng. Abstr.) **(Bul)**
[Effect of guar on nitrogen balance, absorption of minerals and trace elements and food energy in 6 female test subjects] Harmuth-Hoene AE. **Beitr Infusionther Klinis Ernahr** 1983;12:68–80 **(Ger)**
[Sewage sludge and trace element metabolism in ruminants and swine] Kessler J. **Schweiz Arch Tierheilkd** 1983 Oct; 125(10):673–83 **(Ger)**
[Concentration of heavy metals in brook trout in comparison to aquatic plants and sediments] Abo-Rady MD. **Z Lebensm Unters Forsch** 1983;177(5):339–44 (Eng. Abstr.) **(Ger)**
[Trace element balance (Cu, Zn, Ni and Mn) in lactating sows] Kirchgessner M, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1983 Nov; 50(4–5):230–9 (Eng. Abstr.) **(Ger)**
[Dynamics of water, electrolyte and trace element content of the placenta, fetuses and organs of female rats during pregnancy] Natochin IuV, et al. **Fiziol Zh SSSR** 1984 Feb; 70(2):206–12 (Eng. Abstr.) **(Rus)**
[Features of the biological effect of a low-frequency (50 Hz) electrical field on animals during different periods of ontogeny] Koziarin IP, et al. **Gig Sanit** 1984 Mar;(3):44–8 (Eng. Abstr.) **(Rus)**
[Microelement concentration in the blood plasma, erythrocytes and hair of patients with coronary disease with risk factors] Kuzhleikaite MIu, et al. **Kardiologiia** 1984 Feb;24(2):89–92 (Eng. Abstr.) **(Rus)**
[Microelement metabolism in children with peritonitis] Dar'ina AN, et al. **Vestn Khir** 1983 Dec;131(12):70–3 (Eng.

Abstr.) (Rus)

PHARMACODYNAMICS

Fluoride, vanadium, nickel, arsenic, and silicon in total parenteral nutrition. Nielsen FH. **Bull NY Acad Med** 1984 Mar;60(2):177–95 (90 ref.)

[Drugs relieving the manifestations of premature aging] Zapadniuk VI. **Vestn Akad Med Nauk SSSR** 1984;(3):65–70 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Ultratrace elements in nutrition. Nielsen FH. **Annu Rev Nutr** 1984;4:21–41 (85 ref.)

Interactions between trace elements and alcohol in rats. Dreosti IE. **Clin Found Symp** 1984;105:103–23

Iron, zinc, and other trace elements' effect on the immune response. Ronnlund RD, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S172–80

Trace elements in human health and disease. Bhandari B. **Q Med Rev** 1983 Oct;34(4):1–33 (62 ref.)

POISONING

[Principles for classification of diseases of a biogeochemical nature] Avtsyn AP, et al. **Arkh Patol** 1983;45(9):1–11 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

[Use of trace elements in therapy of secretory otitis media; preliminary results] Passàli D, et al. **Clin Ter** 1983 Sep 15; 106(5):367–77 (Eng. Abstr.) (Ita)

[Treatment of chronic hepatitis with etimizol and orkomin] Nelko VE. **Vrach Delo** 1983 Dec;(12):52–5 (Rus)

TOXICITY

[Medium-term Daphnia test. Evaluation of the toxicity of various trace metals in the presence of humic acids] Pommery J, et al. **Toxicol Eur Res** 1983 Nov;5(6):257–64 (Eng. Abstr.) (Fre)

[Effect of several microelements contained in drinking water on the development of atherosclerosis] Novakova S, et al. **Probl Khig** 1983;8:121–31 (Eng. Abstr.) (Rus)

URINE

Internal standardization in energy-dispersive X-ray fluorescence spectrometric determination of trace elements in urine after preconcentration with a chelating filter. Ping L, et al. **Anal Chem** 1983 Sep;55(11):1819–21

Calcium EDTA toxicity: renal excretion of endogenous trace metals and the effect of repletion on collagen degradation in the rat. Braide VB. **Gen Pharmacol** 1984;15(1):37–41

1976 Hanford americium exposure incident: urinary excretion of trace metals during DTPA treatments. Kalkwarf DR, et al. **Health Phys** 1983 Oct;45(4):937–47

TRACHEA

see related
ANESTHESIA, INTRATRACHEAL
INTUBATION, INTRATRACHEAL

Radiolucent intratracheal foreign body mistaken for croup in a 9-year-old boy. Gyi B, et al. **Am J Dis Child** 1984 Aug;138(8):749–50

Transtracheal injection of saline in the investigation of pneumonia. Macfarlane JT, et al. **Br Med J [Clin Res]** 1984 Mar 31;288(6422):974–5

Use of Fogarty catheters for removal of tracheobronchial foreign bodies [letter] Banerjee A, et al. **Chest** 1984 Mar; 85(3):452

Airway compression by a right aortic arch in the absence of a vascular ring. Gidding SS, et al. **Chest** 1984 May; 85(5):703–5

Experimental emphysema. Lucey EC. **Clin Chest Med** 1983 Sep;4(3):389–403 (107 ref.)

High-frequency jet ventilation and tracheobronchial suctioning. Guntupalli K, et al. **Crit Care Med** 1984 Sep; 12(9):791–2

Collection of tracheal aspirates in horses. Greet TR. **In Pract** 1982 Sep;4(5):148

19th century medicine in Indiana. An 1870 clinical report of an inspired foreign body. Greenwood RD. **Indiana Med** 1984 May;77(5):383

Foreign body in the airways of children. Kero P, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):51–9

Transtracheal aspiration: reduction in complication rate by using a modified technique. Lieberman D, et al. **Isr J Med Sci** 1984 Jul;20(7):641–2

Foreign bodies in the tracheobronchial tree—a retrospective study of 217 cases. [illegible] MD, et al. **J Otolaryngol** 1983 Aug;12(4):212–6

Management of [illegible]tracheobronchial and esophageal foreign bodies in childhood. O'Neill JA Jr, et al. **J Pediatr Surg** 1983 Aug;18(4):475–9

Airway resistance characteristics of voice button tracheoesophageal prostheses. Moon J, et al. **J Speech Hear Disord** 1984 Aug;49(3):326–8

Tracheoesophageal speech: vocal rehabilitation after total laryngectomy. Singer MI. **Laryngoscope** 1983 Nov;93(11 Pt 1):1454–65

Transtracheal aspiration in the horse: a photo essay. Krpan MK. **Mod Vet Pract** 1984 May;65(5):A19–22

The incidence of inhaled foreign body in West Malaysia. Shanmugham MS. **Singapore Med J** 1984 Feb;25(1):52–3

[Combined extraction of a foreign body from the trachea] Iordanov E, et al. **Khirurgiia (Sofiia)** 1984;37(3):224–5 (Bul)

[Severe tracheo-bronchial compression caused by a circumflex aorta. Apropos of 3 cases treated by aortic uncrossing] Bruniaux J, et al. **Arch Mal Coeur** 1984 May; 77(5):557–63 (Eng. Abstr.) (Fre)

[Tracheo-bronchial foreign bodies in children] Dehesdin D, et al. **LARC Med** 1983 Oct;3(8):573–7 (Fre)

[Foreign bodies in the tracheobronchial tree] Shevchuk MG, et al. **Klin Khir** 1983 Oct;(10):53 (Rus)

[Foreign bodies in the lower airway] Moreno A, et al. **Rev Chil Pediatr** 1983 Mar–Apr;54(2):91–5 (Eng. Abstr.) (Spa)

ABNORMALITIES

Completely cartilaginous trachea in a child with Crouzon syndrome. Devine P, et al. **Am J Dis Child** 1984 Jan; 138(1):40–3

Laryngotracheo-oesophageal cleft. A report of three cases. Armitage EN. **Anaesthesia** 1984 Jul;39(7):706–13

Laryngotracheoesophageal cleft. An easily missed malformation. Wolfson PJ, et al. **Arch Surg** 1984 Feb; 119(2):228–30

Laryngotracheoesophageal cleft in a newborn infant. Kauten JR, et al. **Curr Surg** 1984 Mar–Apr;41(2):101–4

Tracheal collapse in three calves. Vestweber JG, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):735–6

Complete laryngotracheoesophageal cleft: management and repair. Donahoe PK, et al. **J Pediatr Surg** 1984 Apr; 19(2):143–8

Anatomic abnormalities of the pediatric airway. Richardson MA, et al. **Pediatr Clin North Am** 1984 Aug;31(4):821–34

Tracheal agenesis: a case report and literature review. Reilly JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring;37(1):55–9

[Left tracheal bronchus in situs inversus totalis] Gubbawy H, et al. **Prax Klin Pneumol** 1984 Jun;38(6):239–41 (Eng. Abstr.) (Ger)

[Vascular sling] Münster W, et al. **Radiol Diagn (Berl)** 1983; 24(5):577–83 (Eng. Abstr.) (Ger)

[Rare variant of the branching of the tracheobronchial tree] Adamian AA, et al. **Grudn Khir** 1984 Mar–Apr;(2):82 (Rus)

[Agenesis of trachea. Presentation of a case and review of the literature] Solano-Larrañaga H, et al. **Bol Med Hosp Infant Mex** 1984 Apr;41(4):231–3 (Eng. Abstr.) (Spa)

ANALYSIS

Simultaneous assay of muscarinic and beta-adrenergic receptors using a double isotope technique. van Koppen CJ, et al. **Biochem Biophys Res Commun** 1984 Apr 30; 120(2):665–9

Structural features of human tracheobronchial mucus glycoprotein. Rose MC, et al. **Biochem J** 1984 Sep 1; 222(2):371–7

Differentiation of functional adrenoceptors in human and guinea pig airways. Zaagsma J, et al. **Eur J Respir Dis [Suppl]** 1984;135:16–33

Somatomedin activity in tracheal fluid from the newborn infant. Hill DJ, et al. **J Clin Endocrinol Metab** 1984 Aug; 59(2):231–4

Human tracheal mucin: a preliminary study of physicochemical properties and mucociliary transport. Wetmore RF, et al. **Otolaryngol Head Neck Surg** 1983 Oct; 91(5):509–15

Neuropeptide tyrosine (NPY): a newly discovered peptide is present in the mammalian respiratory tract. Sheppard MN, et al. **Thorax** 1984 May;39(5):326–30

ANATOMY & HISTOLOGY

Upper airway morphology in patients with idiopathic obstructive sleep apnea. Rivlin J, et al. **Am Rev Respir Dis** 1984 Mar;129(3):355–60

Tracheobronchial gland profiles in four segmental airways. Whimster WF, et al. **Am Rev Respir Dis** 1984 Jun; 129(6):985–8

The ultrastructure of the tracheal epithelium in European common lizard (Lacerta agilis [illegible]) and in sand lizard (Lacerta vivipara Jacq.). Těšín I. **Anat Anz** 1984; 155(1–5):329–40

The structure of tight junctions in the tracheal epithelium may not correlate with permeability. Walker DC, et al. **Cell Tissue Res** 1984;235(3):607–13

Distribution of mucus producing elements in the respiratory tract. Differences between upper and lower airway. Tos M. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):269–79

Tracheal cross-sectional areas from acoustic reflections in dogs. Jackson AC, et al. **J Appl Physiol** 1984 Aug; 57(2):351–3

Tracheobronchial foreign bodies—the position of the carina. Lowe D, et al. **J Laryngol Otol** 1984 May;98(5):499–501

Tracheal diameter as a predictor of pulmonary function. Montner P, et al. **Lung** 1984;162(2):115–21

BLOOD SUPPLY

Endotracheal cuff pressure and tracheal mucosal blood flow: endoscopic study of effects of four large volume cuffs [letter] **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1237

Endotracheal cuff pressure and tracheal mucosal blood flow: endoscopic study of effects of four large volume cuffs. Seegobin RD, et al. **Br Med J [Clin Res]** 1984 Mar 31; 288(6422):965–8

Revascularization of tracheal anastomosis following heart-lung transplantation. Guthaner DF, et al. **Invest Radiol** 1983 Nov–Dec;18(6):500–3

[Vascularization of the cervical trachea and its clinical relevance. A scanning electron microscopy study on corrosion casts] Lametschwandtner A, et al. **HNO** 1983 Nov;31(11):387–94 (Eng. Abstr.) (Ger)

CYTOLOGY

Morphologic and cytochemical characteristics of amine-containing globule leukocytes in rat tracheal epithelium. Pearsall AD, et al. **Am J Anat** 1984 May; 170(1):83–99

Tracheobronchial epithelium of the sheep: II. Ultrastructural and morphometric analysis of the epithelial secretory cell types. Mariassy AT, et al. **Anat Rec** 1984 Aug;209(4):523–34

Comparison of nonciliated tracheal epithelial cells in six mammalian species: ultrastructure and population densities. Plopper CG, et al. **Exp Lung Res** 1983 Dec;5(4):281–94

A technique for the isolation of submucosal gland cells from cat trachea. Culp DJ, et al. **J Appl Physiol** 1983 Sep; 55(3):1035–41

Chloride secretion by canine tracheal epithelium: IV. Basolateral membrane K permeability parallels secretion rate. Smith PL, et al. **J Membr Biol** 1984;77(3):187–99

Improved method for transmission electron microscopy of ciliated cell monolayers maintained on gas-permeable membranes. Gabridge MG, et al. **J Microsc** 1983 Nov;132 (Pt 2):165–9

DRUG EFFECTS

Mechanisms of leukotriene-induced contractions of guinea pig airways: leukotriene C4 has a potent direct action whereas leukotriene B4 acts indirectly. Dahlén SE, et al. **Acta Physiol Scand** 1983 Aug;118(4):393–403

Local anesthetics selectively inhibit non-cholinergic neural contractions in guinea-pig airways. Karlsson JA, et al. **Acta Physiol Scand** 1984 Mar;120(3):469–71

Effects of disodium cromoglycate (DSCG) on the guinea pig trachea and ileum. González Alvarez R, et al. **Allergol Immunopathol (Madr)** 1983 Nov–Dec;11(6):425–30

The response of the macaque tracheobronchial epithelium to acute ozone injury. A quantitative ultrastructural and autoradiographic study. Wilson DW, et al. **Am J Pathol** 1984 Aug;116(2):193–206

Effect of calmodulin, Ca2+, and cAMP protein kinase on skinned tracheal smooth muscle. Sparrow MP, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C308–14

Antihistaminic versus anticholinergic effects of atropine on canine trachealis muscle. Skoogh BE, et al. **Am Rev Respir Dis** 1983 Oct;128(4):603–6

Effect of aerosols of salbutamol and atrovent administered alone and in combination on tracheal mucous velocity in vitro. Tarchalski J, et al. **Arch Monaldi** 1982 Jan–Apr; 37(1–2):109–12

The spasmogenic action of potassium chloride in guinea-pig trachealis. Foster RW, et al. **Br J Pharmacol** 1983 Nov; 80(3):553–9

Relaxant effects of lithium on guinea-pig tracheal smooth muscle in vitro. Sampson SR, et al. **Br J Pharmacol** 1982 Feb;75(2):287–91

Studies of the mechanism of passive anaphylaxis in human airway smooth muscle. Davis C, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):705–13

Dual modes of action for disodium cromoglycate in inhibition of antigen-induced contractions of guinea-pig isolated airways smooth muscle. Stewart AG, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):595–603

Effects of crocidolite and chrysotile asbestos on cellular uptake and metabolism of benzo(a)pyrene in hamster tracheal epithelial cells. Mossman BT, et al. **Environ Health Perspect** 1983 Sep;51:331–5

Cytotoxic effect of vanadium and oil-fired fly ash on hamster tracheal epithelium. Schiff LJ, et al. **Environ Res** 1984 Aug; 34(2):390–402

Biological effects of singlet delta oxygen on respiratory tract epithelium. Eisenberg WC, et al. **Experientia** 1984 May 15; 40(5):514–5

Ultrastructure of rabbit tracheal epithelium after oral administration of broncholysine (N-acetylcystein). Konrádová V, et al. **Folia Morphol (Praha)** 1983; 31(3):250–7

Effects of compound 48/80 and formyl-methionyl-leucyl-phenylalanine on isolated guinea pig airways. Burka JF. **Int Arch Allergy Appl Immunol** 1984;73(4):309–13

Leukotriene-C4 enhances mucus production from submucosal glands in canine trachea in vivo. Johnson HG, et al. **Int J Immunopharmacol** 1983;5(5):391–6

Gold-induced reduction in reactivity to histamine in isolated guinea pig tracheal rings. Suzuki S, et al. **J Allergy Clin Immunol** 1983 Nov;72(5 Pt 1):469–74

Comparison of vasoactive intestinal peptide and isoproterenol

relaxant effects in isolated cat airways. Altiere RJ, et al. **J Appl Physiol** 1984 Apr;56(4):986–92

Interaction between histamine and vagal stimulation on tracheal smooth muscle in dogs. Kikuchi Y, et al. **J Appl Physiol** 1984 Mar;56(3):590–5

Sensitivity and responsiveness of tracheal and bronchial tissues from young and old guinea pigs: effect of calcium antagonists. Duncan PG, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):612–9

Studies on the relationship between contraction and mediator release produced by ovalbumin in superfused trachea isolated from the actively sensitized guinea pig. Fishleder RI, et al. **J Pharmacol Exp Ther** 1984 Sep;230(3):534–40

Airway cell changes in tracheal lavage of sheep after ozone exposure. Sielczak MW, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):545–53

Local release of histamine, prostaglandin F2 alpha and thromboxane B2 into the tracheal lumen and its influence on airways reactivity. Peskar BA, et al. **Klin Wochenschr** 1984 Apr 2;62(7):315–22

Airway smooth muscle and platelet responses to several varieties of cotton bracts. Russell JA, et al. **Lung** 1984; 162(2):89–97

The pharmacological characterization of aqueous extracts of vegetable dusts. Zuskin E, et al. **Lung** 1983;161(5):301–6

Pharmacological study of the effects of leukotrienes C4, D4, E4 & F4 on guinea pig trachealis: interaction with FPL-55712. Jones T, et al. **Prostaglandins** 1983 Nov; 26(5):833–43

Effect of thromboxane synthetase inhibitors (OKY-046, OKY-1580) on the action of bronchoactive agents in guinea pig tracheal strips and on arachidonate metabolism in guinea pig lung lobes. Kitamura S, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):341–50

Leukotriene effect in airways smooth muscle: calcium dependency and verapamil inhibition. Weiss EB, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):53–66

Effect of CO2 induced pH changes on the response of isolated guinea pig tracheas to isoproterenol. Elguindi AS, et al. **Res Commun Chem Pathol Pharmacol** 1984 Apr; 44(1):57–61

Effect of CO2 induced pH changes on the response of isolated guinea pig tracheas to theophylline. Elguindi AS, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):493–6

Effect of vasoactive intestinal peptide on vagally mediated tracheal pouch relaxation. Venugopalan CS, et al. **Respir Physiol** 1984 May;56(2):205–16

Pathologic changes induced by coal-fired fly ash in hamster tracheal grafts. Schiff LJ, et al. **Toxicology** 1984 Feb; 29(4):307–13

The effects of formaldehyde gas in a flow-through rat tracheal implant system. Shiba M, et al. **Toxicology** 1984 Apr 16;30(4):317–25

[Effects of prostacyclin and its derivatives on the airway, pulmonary vascular system, and chemical mediator release] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Apr;21(4):334–9 (Eng. Abstr.) **(Jpn)**

[Changes in glycoprotein composition of the tracheal submucosal glands caused by S-carboxymethylcysteine treatment] Takeda H, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):19–25 (Eng. Abstr.) **(Jpn)**

[Sequential changes of the activities of the dog tracheal secretory cells caused by intraduodenal application of brovanexine] Yamazaki M, et al. **Nippon Yakurigaku Zasshi** 1983 Jul;82(1):57–66 (Eng. Abstr.) **(Jpn)**

[Tracheal constrictor reflex from the lung receptors to ATP administration in the dog] Talvan IL. **Fiziol Zh SSSR** 1984 Feb;70(2):195–9 (Eng. Abstr.) **(Rus)**

[Morphological changes in the respiratory tract of guinea pigs exposed to kerosene aerosol] Sanabria J, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun;12(3):213–5 (Eng. Abstr.) **(Spa)**

[Contractile response produced by an alcoholic extract of Allium sativum (garlic) on the tracheal rings of the guinea pig] Rodríguez SM, et al. **Rev Med Panama** 1983 Sep; 8(3):206–11 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Transplacental effect of N-diethylnitrosamine on chromosomal aberrations in fetal tracheal cells of the Syrian hamster: comparison between epithelial and mesenchymal cells. Tsuda H, et al. **Carcinogenesis** 1983 Nov;4(11):1385–8

ENZYMOLOGY

Two distinct UDP-galactose: 2-acetamido-2-deoxy-D-glucose 4 beta-galactosyltransferases in porcine trachea. Sheares BT, et al. **J Biol Chem** 1984 Jul 10;259(13):8045–7

GROWTH & DEVELOPMENT

Sex differences in growth patterns of the airways and lung parenchyma in children. Pagtakhan RD, et al. **J Appl Physiol** 1984 May;56(5):1204–10

Effect of prosthetic airway splint on the growing trachea. Murphy JP, et al. **J Pediatr Surg** 1983 Dec;18(6):872–8

IMMUNOLOGY

Tracheal function during influenza infections. Nugent KM, et al. **Infect Immun** 1983 Dec;42(3):1102–8

The fate of inhaled antigen within the respiratory tract of sensitized and unsensitized rats. Morrissey JF, et al. **Monogr Allergy** 1983;18:226–30

INJURIES

Mucus transport and surface damage after endotracheal intubation and tracheostomy. An experimental study in pigs. Alexopoulos C, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):68–76

An unusual presentation of an airway tear. Freiberger JJ. **Anesthesiology** 1984 Aug;61(2):204–6

Blunt chest trauma with tracheobronchial rupture. Pratt LW, et al. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):357–63

Complete transection of the intrathoracic trachea due to blunt trauma. Lazar HL, et al. **Ann Thorac Surg** 1984 Jun; 37(6):505–7

Bullet wounds of the larynx and trachea. Harrison DF. **Arch Otolaryngol** 1984 Mar;110(3):203–5

Trauma of the larynx and cervical trachea. A 10-year review of 51 patients. Kurita S, et al. **Auris Nasus Larynx** 1983; 10 Suppl:S83–90

Blunt trauma to the cervical portion of the trachea. A case report. Dash HH, et al. **Br J Anaesth** 1983 Dec; 55(12):1271–2

Penetrating neck trauma with tracheal and oesophageal injuries. Shama DM, et al. **Br J Surg** 1984 Jul;71(7):534–6

Complications due to Nd:YAG laser therapy [letter] Dedhia HV, et al. **Chest** 1984 Jun;85(6):837

Acute tracheoesophageal communication: a diagnostic sign for an unusual injury. Fitzpatrick BT, et al. **Ir Med J** 1983 Oct;76(10):421–2

Transection of the cervical trachea resulting from closed trauma to the neck. Cherry JR, et al. **J Laryngol Otol** 1984 Jan;98(1):97–100

A rambling bullet [letter] Ivatury RR, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):108

Diagnosis and therapy for acute laryngeal and tracheal trauma. Snow JB Jr. **Otolaryngol Clin North Am** 1984 Feb; 17(1):101–6

Hyoid bone elevation: a sign of tracheal transection. Polansky A, et al. **Radiology** 1984 Jan;150(1):117–20

The management of laryngotracheal injury. Gregor RT, et al. **S Afr J Surg** 1984 May;22(2):79–86

Bronchial rupture caused by blunt chest trauma. Halttunen PE, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):141–4

Management of tracheobronchial disruption resulting from blunt trauma. Jones WS, et al. **Surgery** 1984 Mar; 95(3):319–23

Reconstructive surgery for tracheobronchial injuries including complete disruption of the right main bronchus. Jüttner FM, et al. **Thorac Cardiovasc Surg** 1984 Jun; 32(3):174–7

Diagnosis and repair of traumatic tracheal and tracheobronchial disruptions. Kruse-Andersen S, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):105–9

Injuries to the tracheobronchial tree in closed trauma. Amauchi W, et al. **Thorax** 1983 Dec;38(12):923–8

[Autogenous tissue grafting for traumatic cicatricial subglottic and tracheal stenosis] Wang DM. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):262–4 (Eng. Abstr.) **(Chi)**

[Traumatic injury of the respiratory tract] Kruse-Andersen S, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1039–42 (Eng. Abstr.) **(Dan)**

[Intubation injuries of the larynx and trachea—etiology, forms, therapy and endoscopic control for prevention] Chilla R, et al. **Anaesthesist** 1983 Nov;32(11):507–11 (Eng. Abstr.) **(Ger)**

[Tracheobronchial disruption and right superior lobe tear] Pinter H, et al. **Zentralbl Chir** 1984;109(2):104–10 **(Ger)**

[Lesions of the tracheobronchial tree due to closed chest injuries] Amauchi W, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):130–6 (Eng. Abstr.) **(Por)**

[Rehabilitation operations in traumatic injuries of the trachea and their complications] Bagirov MM. **Klin Khir** 1983 Oct; (10):24–7 (Eng. Abstr.) **(Rus)**

INNERVATION

Inhibition of the excitatory non-adrenergic, non-cholinergic neurotransmission in the guinea pig tracheo-bronchial tree mediated by alpha 2-adrenoceptors. Grundström N, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):8–14

Effects and distribution of vagal capsaicin-sensitive substance P neurons with special reference to the trachea and lungs. Lundberg JM, et al. **Acta Physiol Scand** 1983 Nov; 119(3):243–52

Subjective response to cigarette smoking following airway anesthetization. Rose JE, et al. **Addict Behav** 1984; 9(2):211–5

Electrical and anatomic characteristics of cells of ferret paratracheal ganglion. Cameron AR, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C450–8

Neural coordination of excitation of ferret trachealis muscle. Coburn RF. **Am J Physiol** 1984 May;246(5 Pt 1):C459–66

Location of autonomic cell bodies projecting to the extrathoracic smooth muscle of the canine trachea. Bratton GR, et al. **Anat Histol Embryol** 1984 Mar;13(1):15–24

Specificity of gonadal hormone modulation of cholinergic enzymes in the avian syrinx. Luine VN, et al. **Brain Res** 1983 Nov 21;279(1–2):339–42

The excitatory non-cholinergic, non-adrenergic nervous system of the guinea-pig airways. Andersson RG, et al. **Eur J Respir Dis [Suppl]** 1983;131:141–57

Peptide-containing nerve fibres in the airways: distribution and functional implications. Håkanson R, et al. **Eur J Respir Dis [Suppl]** 1983;131:115–40

Neural control of airway submucosal gland secretion. Nadel JA. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):322–6

Transmission through airway ganglia. Skoogh BE. **Eur J Respir Dis [Suppl]** 1983;131:159–70

Mapping of adrenergic receptors in the trachea by autoradiography. Barnes PJ, et al. **Exp Lung Res** 1983 Nov; 5(3):183–92

Nature of the beta-adrenoreceptors in the tracheal smooth muscle of the adult pig. Agarwal OP, et al. **J Auton Pharmacol** 1983 Dec;3(4):297–301

Mechanical and biochemical alterations in guinea-pig tracheae caused by sensitisation. Kaukel E, et al. **Respiration** 1984;45(3):255–61

METABOLISM

Ion transport in dog tracheal mucosa: interaction between calcium and prostaglandins. Al-Bazzaz FJ, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C182–7

Effects of cAMP, furosemide, and ouabain on transtracheal tetracycline and chloramphenicol influx in the rat. Cloutier MM, et al. **Am Rev Respir Dis** 1984 Feb;129(2):284–7

Prostaglandins and intracellular cyclic AMP in respiratory secretory cells. Lazarus SC, et al. **Am Rev Respir Dis** 1984 Aug;130(2):262–6

Effect of allergic bronchoconstriction on airways epithelial permeability to large polar solutes in the guinea pig. Ranga V, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1065–70

An immunocytochemical/histochemical approach to tracheobronchial mucus characterization in the rabbit. St. George JA, et al. **Am Rev Respir Dis** 1984 Jul;130(1):124–7

Assessment of chemically-induced DNA repair in rat tracheal epithelial cells. Doolittle DJ, et al. **Carcinogenesis** 1984 Jun;5(6):773–9

The influence of inhibitors on the repair of benzo[a]pyrene-damaged DNA in hamster tracheal epithelial cells. Ireland CM, et al. **Carcinogenesis** 1984 Feb; 5(2):187–91

Prostaglandin H synthase-dependent co-oxygenation of (+/-)-7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene in hamster trachea and human bronchus explants. Reed GA, et al. **Carcinogenesis** 1984 Jul;5(7):955–60

Adrenergic and cholinergic receptors in submucosal glands of the ferret trachea: autoradiographic localization. Basbaum CB, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):433–5

Identification of calcium antagonist receptor binding sites using (3H)nitrendipine in bovine tracheal smooth muscle membranes. Cheng JB, et al. **Experientia** 1984 Mar 15; 40(3):267–9

Characteristics of sodium transport by excised rabbit trachea. Boucher RC, et al. **J Appl Physiol** 1983 Dec;55(6):1877–83

Bioelectric properties and ion transport of airways excised from adult and fetal sheep. Cotton CU, et al. **J Appl Physiol** 1983 Nov;55(5):1542–9

Effects of amphotericin B on ion and fluid movement across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Oct;55(4):1257–61

Effect of vasoactive intestinal peptide on ion transport across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Dec;55(6):1844–8

Hydrocortisone and isoproterenol effects on trachealis cAMP and relaxation. Rinard GA, et al. **J Appl Physiol** 1983 Nov; 55(5):1609–13

Energetics of chloride secretion in canine tracheal epithelium. Comparison of the metabolic cost of chloride transport with the metabolic cost of sodium transport. Welsh MJ. **J Clin Invest** 1984 Jul;74(1):262–8

Carbohydrate cytochemistry of tracheobronchial airway epithelium of the rabbit. Plopper CG, et al. **J Histochem Cytochem** 1984 Feb;32(2):209–18

Chloride secretion by canine tracheal epithelium: I. Role of intracellular c AMP levels. Smith PL, et al. **J Membr Biol** 1982;70(3):217–26

Anthracene-9-carboxylic acid inhibits an apical membrane chloride conductance in canine tracheal epithelium. Welsh MJ. **J Membr Biol** 1984;78(1):61–71

Modification of synapses in androgen-sensitive muscle. I. Hormonal regulation of acetylcholine receptor number in the songbird syrinx. Bleisch W, et al. **J Neurosci** 1984 Mar; 4(3):786–92

Current-induced volume flow across bovine tracheal epithelium: evidence for sodium-water coupling. Durand J, et al. **J Physiol (Lond)** 1984 Mar;348:19–34

Antioxidant protection: a function of tracheobronchial and gastrointestinal mucus. Cross CE, et al. **Lancet** 1984 Jun 16;1(8390):1328–30

Movement of electrolytes and fluid across airways. Nathanson I, et al. **Lung** 1984;162(3):125–37 (70 ref.)

Metabolism, DNA binding, and cytotoxicity of aflatoxin B1 in tracheal explants from Syrian hamster. Coulombe RA Jr, et al. **Toxicology** 1984 Aug;32(2):117–30

[Experimental studies on distribution of cefotiam, a new

beta-lactam antibiotic, in the lung and trachea of rabbits. II. Combined effects with serratiopeptidase] Ishihara Y, et al. **Jpn J Antibiot** 1983 Oct;36(10):2665-70 (Eng. Abstr.) **(Jpn)**

[Experimental investigation on intrapulmonary and tracheobronchial distribution of ampicillin after administration of a beta-lactam antibiotic, bacampicillin] Kitamura S, et al. **Jpn J Antibiot** 1983 Nov;36(11):2965-70 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Gram's stains of tracheal secretions predict neonatal bacteremia. Sherman MP, et al. **Am J Dis Child** 1984 Sep; 138(9):848-50

Comparative sensitivities of oviduct and tracheal organ cultures and chicken embryo kidney cell cultures to infectious bronchitis virus. Pradhan HK, et al. **Avian Dis** 1983 Jul-Sep;27(3):594-601

Role of pili in the adherence of Pseudomonas aeruginosa to injured tracheal epithelium. Ramphal R, et al. **Infect Immun** 1984 Apr;44(1):38-40

Adherence of Pseudomonas aeruginosa to human tracheobronchial mucin. Vishwanath S, et al. **Infect Immun** 1984 Jul;45(1):197-202

Equine tracheobronchial aspirates: correlation of cytologic and microbiologic findings. Morris DD. **J Am Vet Med Assoc** 1984 Feb 1;184(3):340-1

Isolation of Branhamella catarrhalis from sputum and tracheal aspirate. Aitken JM, et al. **J Clin Microbiol** 1983 Nov;18(5):1262-3

Isolation of Serratia ficaria from human clinical specimens. Brouillard JA, et al. **J Clin Microbiol** 1984 Jun;19(6):902-4

In vitro mouse cytomegalovirus infection of mouse tracheal epithelial cells requires the presence of other cell types. Nedrud JG, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):671-9

Comparison of the pathogenesis of murine cytomegalovirus in lung and liver following intraperitoneal or intratracheal infection. Selgrade MK, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):515-23

Scanning electron microscopy of the interaction between Haemophilus influenzae and organ cultures of rat trachea. Johnson AP, et al. **J Med Microbiol** 1983 Nov;16(4):477-82

Attachment of Mycoplasma pneumoniae to tracheal monolayer outgrowths. Gabridge MG. **Yale J Biol Med** 1983 Sep-Dec;56(5-6):657-63

[Qualitative and quantitative analysis of the bacterial flora in the trachea of healthy chickens] Dho M, et al. **Ann Rech Vet** 1983;14(3):189-94 (Eng. Abstr.) **(Fre)**

[Status of transtracheal aspiration in the diagnosis of etiologically unsolved pneumonia] Dickgiesser U, et al. **Prax Klin Pneumol** 1984 Feb;38(2):47-53 **(Ger)**

[Initial locus of invasion of hemolytic streptococci. I. Streptococcal infection induced by aerosol method in mice] Hokonohara M, et al. **Kansenshogaku Zasshi** 1983 Oct; 57(10):882-9 (Eng. Abstr.) **(Jpn)**

[Microflora of the tracheal mucosa in laryngeal cancer patients following laryngectomy] Kharitonova NI, et al. **Vopr Onkol** 1983;29(9):37-41 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Mammomonogamus infection in a human. Report of a case. Gardiner CH, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):995-7

PATHOLOGY

Statistical analysis of selected tracheal measurements in normal dogs and dogs with collapsed trachea. Dallman MJ, et al. **Am J Vet Res** 1984 May;45(5):1033-7

Pathology of the trachea in turkeys exposed by aerosol to lentogenic strains of Newcastle disease virus. Abdul-Aziz TA, et al. **Avian Dis** 1983 Oct-Dec;27(4):1002-11

Progression of tracheal lesions in turkeys exposed by aerosol to LaSota strain of Newcastle disease virus. Abdul-Aziz TA, et al. **Avian Dis** 1983 Oct-Dec;27(4):1131-41

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct-Dec; 27(4):1142-50

Hexose uptake in 7,12-dimethylbenz(a)anthracene-preexposed rat tracheal epithelial cells during the progression of neoplasia. Wasilenko WJ, et al. **Cancer Res** 1984 Jul;44(7):3081-9

Squamous metaplasia of tracheal submucosal glands induced by benzo[a]pyrene and vitamin A deficiency. Chopra DP, et al. **Carcinogenesis** 1983 Oct;4(10):1345-7

Selection of carcinogen-altered rat tracheal epithelial cells preexposed to 7,12-dimethylbenz[a]anthracene by their loss of a need for pyruvate to survive in culture. Marchok AC, et al. **Carcinogenesis** 1984 Jun;5(6):789-96

Tracheobronchial histopathology associated with high-frequency jet ventilation. Ophoven JP, et al. **Crit Care Med** 1984 Sep;12(9):829-32

Pathogenesis of change in the upper respiratory tracts of turkeys experimentally infected with an Alcaligenes faecalis isolate. Gray JG, et al. **Infect Immun** 1983 Oct;42(1):350-5

Effects of vitamin A-deprivation on hamster tracheal epithelium. A quantitative morphologic study. McDowell EM, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):197-219

Restoration of mucociliary tracheal epithelium following deprivation of vitamin A. A quantitative morphologic study. McDowell EM, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):221-40

Aetio-pathology of the fowl trachea early after inoculation with H52 infectious bronchitis virus. Ducatelle R, et al. **Zentralbl Veterinarmed [B]** 1984 Mar;31(2):151-60

[Preliminary clinico-radiological study of saber-sheath trachea] Liu JH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):172-4 (Eng. Abstr.) **(Chi)**

['Saber-sheath' intrathoracic trachea] Pan JS. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):175-7 (Eng. Abstr.) **(Chi)**

[Severe tracheobronchial complications of the ingestion of caustics in adults. A case of perforation healed with a pulmonary patch] Deneuville M, et al. **J Chir (Paris)** 1984 Jan;121(1):1-6 (Eng. Abstr.) **(Fre)**

[Amyloidosis and its bronchopulmonary localizations. Apropos of 3 cases] Peuchmaur M, et al. **Poumon Coeur** 1983;39(3):115-20 (Eng. Abstr.) **(Fre)**

[Tracheal tissue reactivity to sutures of polyglycolic acid and nylon. Comparative experimental study in swine] Galletti G, et al. **Minerva Chir** 1984 Feb 15;39(3):107-14 (Eng. Abstr.) **(Ita)**

[Clinical investigation of tracheobronchial lesions in Wegener's granulomatosis] Hashimoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):32-8 (Eng. Abstr.) **(Jpn)**

[Macroscopic and microscopic changes in the tracheal wall caused by a cannula] Vuković N, et al. **Lijec Vjesn** 1982 Nov-Dec;104(11-12):460-3 (Eng. Abstr.) **(Scr)**

[Comparative histological study of the nasal and tracheal mucosa in laryngectomees] Basterra J, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):459-67 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Mucociliary activities in fetal rabbits. Ohashi Y, et al. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr;97(3-4):351-8

Electrical properties of dog tracheal epithelial cells grown in monolayer culture. Coleman DL, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C355-9

Effects of 'loop' diuretics on ion transport by dog tracheal epithelium. Widdicombe JH, et al. **Am J Physiol** 1983 Nov; 245(5 Pt 1):C388-96

Hyperreactive airway smooth muscle responsiveness after inhalation of toluene diisocyanate vapors. McKay RT, et al. **Am Rev Respir Dis** 1984 Feb;129(2):296-300

Cystic fibrosis serum does not inhibit human ciliary beat frequency. Rutland J, et al. **Am Rev Respir Dis** 1983 Dec; 128(6):1030-4

Contraction of guinea pig trachea with antibodies to guinea pig IgE. An in vitro model for asthma. II. Reactivity of guinea pig tracheas to anti IgG1 and anti IgG2 in comparison with anti IgE. Ito K, et al. **Ann Allergy** 1984 May;52(5):375-8

Effect of liquid ventilation on preterm lamb tracheal mechanics. Bhutani VK, et al. **Biol Neonate** 1983; 44(5):257-63

Lung strips from guinea pigs as test system for lipoxygenase inhibitors. Inhibition of arachidonic acid-induced contractions by 3-t-butyl-4-hydroxyanisole and nordihydroguaiaretic acid. Slapke J, et al. **Biomed Biochim Acta** 1983;42(10):1309-18

Overestimation of inspiratory upper airway resistance. Bake B, et al. **Clin Physiol** 1984 Feb;4(1):33-40

Airway pressure measurement during high frequency oscillatory ventilation. Boynton BR, et al. **Crit Care Med** 1984 Jan;12(1):39-43

Comparative effects of beta-agonists on central and peripheral rat airways. Frossard N, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):503-5

The effect of some drugs on the biophysical and biochemical properties of pig tracheal mucus. Marriott C, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):441-3

Differentiation of functional adrenoceptors in human and guinea pig airways. Zaagsma J, et al. **Eur J Respir Dis [Suppl]** 1984;135:16-33

Growth and differentiation of hamster tracheal epithelial cells in culture. Lee TC, et al. **Exp Lung Res** 1984;6(1):27-45

Synthesis of mucin glycoproteins by epithelial cells isolated from swine trachea by specific proteolysis. DeBuysscher E, et al. **In Vitro** 1984 May;20(5):433-46

Regulation of the synthesis of mucin glycoproteins in swine trachea explants. Lloyd C, et al. **In Vitro** 1984 May; 20(5):416-32

An efferent pathway mediating reflex tracheal dilation in awake dogs. Bowes G, et al. **J Appl Physiol** 1984 Aug; 57(2):413-8

Measurement of tracheal lung sounds [letter] Gavriely N. **J Appl Physiol** 1984 Mar;56(3):817-8

Contractile force of canine airway smooth muscle during cyclical length changes. Gunst SJ. **J Appl Physiol** 1983 Sep;55(3):759-69

Bioelectric properties and ion transport of excised rabbit trachea. Jarnigan F, et al. **J Appl Physiol** 1983 Dec; 55(6):1884-92

Static contraction of hindlimb muscles in cats reflexly relaxes tracheal smooth muscle. Longhurst JC. **J Appl Physiol** 1984 Aug;57(2):380-7

Stimulation of splanchnic afferents reflexly relaxes tracheal smooth muscle in dogs. Rybicki KJ, et al. **J Appl Physiol** 1983 Aug;55(2):427-32

Chloride secretion by canine tracheal epithelium: II. The cellular electrical potential profile. Welsh MJ, et al. **J Membr Biol** 1982;70(3):227-38

Tracheal phenol red secretion, a new method for screening mucosecretolytic compounds. Engler H, et al. **J Pharmacol Methods** 1984 Jun;11(3):151-7

Dynamics of tracheal fluid flow in the human fetus, studied with pulsed Doppler ultrasound. Utsu M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2017-8

Effects of elevated P02 upon tracheal explants. Barnes SD, et al. **Respir Physiol** 1983 Sep;53(3):285-93

Muscular contraction reflexly relaxes tracheal smooth muscle in dogs. Kaufman MP, et al. **Respir Physiol** 1984 Apr; 56(1):61-72

Model study of flow dynamics in human central airways. Part III: Oscillatory velocity profiles. Menon AS, et al. **Respir Physiol** 1984 Feb;55(2):255-75

Mechanisms of the temperature effect on airway smooth muscle. Souhrada JF, et al. **Respir Physiol** 1983 Aug; 53(2):225-37

Protective effects of ketotifen on guinea pig trachea. de Lourdes Arruzazabala M, et al. **Respiration** 1984;45(1):50-5

Scanning electron microscopy and recording of the physiological activity of tracheal ciliated cells treated by fractionated irradiation. Albertsson M, et al. **Scan Electron Microsc** 1983;(Pt 4):2019-26

Immunolocalization of myosin and tropomyosin in cells undergoing ciliogenesis during regeneration of rat tracheal epithelium. Gordon RE, et al. **Tissue Cell** 1984;16(3):337-43

Regeneration of hamster tracheal epithelium after mechanical injury. IV. Histochemical, immunocytochemical and ultrastructural studies. Keenan KP, et al. **Virchows Arch [Cell Pathol]** 1983;43(3):213-40

Effect of tracheal by-pass on brain temperature and cerebrospinal fluid pressure in sheep. Krabill VA, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):542-51

[Phonation pressures in patients with neoglottis phonatoria] Hybášek I, et al. **Cesk Otolaryngol** 1984 Feb;33(1):1-7 (Eng. Abstr.) **(Cze)**

[Recent progress in the study of tracheobronchial mucociliary clearance: clinical and methodological note] Todisco T, et al. **Arch Monaldi** 1982 Jan-Apr;37(1-2):65-70 **(Ita)**

[The role of bronchial hyperresponsiveness in airway mucus secretion] Shimura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):958-66 (Eng. Abstr.) **(Jpn)**

[Method of studying the neuronal apparatus of the ganglia in the tracheal wall] Nozdrachev AD, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):377-9 **(Rus)**

[Properties of smooth muscle in the respiratory tract and possibilities of its control] Bauer V, et al. **Cesk Fysiol** 1984; 33(1):27-35 **(Slo)**

PHYSIOPATHOLOGY

Is asthma an epithelial disease? [editorial] Hogg JC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):207-8

Tracheal epithelial cell transformation: a model system for studies on neoplastic progression. Nettesheim P, et al. **CRC Crit Rev Toxicol** 1984;12(3):215-39 (69 ref.)

Measurements of tracheobronchial clearance in patients with immotile-cilia syndrome and its value in differential diagnosis. Camner P, et al. **Eur J Respir Dis [Suppl]** 1983; 127:57-63

In vivo measurement of drug effect on mucociliary transport. Olivieri D, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):551-3

Comparison of airway responses following tracheal or esophageal acidification in the cat. Tuchman DN, et al. **Gastroenterology** 1984 Oct;87(4):872-81

PaO2 and intratracheal pressure in oscillatory ventilation in experimental respiratory failure. Suwa K, et al. **Jpn J Physiol** 1983;33(4):651-60

Automated apnoea detection by computer: analysis of tracheal breath sounds. Peirick J, et al. **Med Biol Eng Comput** 1983 Sep;21(5):632-5

Stimulation of tracheal slowly adapting stretch receptors by hypercapnia and hypoxia. Fisher JT, et al. **Respir Physiol** 1983 Sep;53(3):325-39

[Acute life-threatening respiratory insufficiency after tracheal compression from a diffuse cervical goiter] Egeberg BB, et al. **Ugeskr Laeger** 1984 Mar 19; 146(12):882-3 (Eng. Abstr.) **(Dan)**

[Reactivity of smooth muscle in the trachea and lung of cats to acetylcholine in experimental inflammation] Bánovčin P, et al. **Bratisl Lek Listy** 1983 Jul;80(1):53-9 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

Radiation absorbed dose to tracheal mucosa from inhaled oxygen-15-labeled carbon dioxide. Powell GF, et al. **Ann Neurol** 1984;15 Suppl:S107-9

Argon laser and soft tissue interaction. Gillis TM, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):7-12

RADIOGRAPHY

Dimensions of the normal human trachea. Breatnach E, et al. **AJR** 1984 May;142(5):903-6

Congenital lobar emphysema with tracheal bronchus. Keller MS. **J Can Assoc Radiol** 1983 Dec;34(4):306-7

Computed tomography of intrinsic laryngeal and tracheal abnormalities in children. Liu P, et al.

J Comput Assist Tomogr 1984 Aug;8(4):662–9

Metrizamide as a contrast medium for visualization of the tracheobronchial tree: its drawbacks and possible advantages. Smith W, et al. **Pediatr Radiol** 1984; 14(3):158–60

The trachea: the blind spot in the chest. Berkmen YM. **Radiol Clin North Am** 1984 Sep;22(3):539–62 (61 ref.)

SECRETION

Extracellular calcium ion depletion induces release of glycoproteins by canine trachea. Coles SJ, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C494–501

The calcium dependency of mucus glycoconjugate secretion by canine tracheal explants. Barbieri EJ, et al. **Br J Pharmacol** 1984 May;82(1):199–206

Fulminant pulmonary edema after near-drowning: remarkably high colloid osmotic pressure in tracheal fluid. Lheureux P, et al. **Intensive Care Med** 1984;10(4):205–7

Human respiratory mucus. Kaliner M, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):318–23 (53 ref.)

Neural regulation of 35SO4-macromolecule secretion from tracheal glands of ferrets. Borson DB, et al. **J Appl Physiol** 1984 Aug;57(2):457–66

Source of the fluid component of secretions from tracheal submucosal glands in cats. Corrales RJ, et al. **J Appl Physiol** 1984 Apr;56(4):1076–82

Autonomic regulation of viscoelasticity of cat tracheal gland secretions. Leikauf GD, et al. **J Appl Physiol** 1984 Feb; 56(2):426–30

Antigen stimulates glycoprotein secretion and alters ion fluxes in sheep trachea. Phipps RJ, et al. **J Appl Physiol** 1983 Nov;55(5):1593–602

Secretory activity of hamster tracheal explants and isolated tracheal epithelial cells and the effects of cystic fibrosis serum. Rudick VL, et al. **J Cell Physiol** 1984 Jan; 118(1):67–78

Effect of BR-227, a new bromhexine derivative, on secretory activities of tracheal secretory cells. Takeda H, et al. **J Pharmacobiodyn** 1983 May;6(5):309–14

The action of dust in the airways on secretion into the trachea of the cat. Peatfield AC, et al. **J Physiol (Lond)** 1983 Sep; 342:327–34

Evidence for non-cholinergic, non-adrenergic nervous control of mucus secretion into the cat trachea. Peatfield AC, et al. **J Physiol (Lond)** 1983 Sep;342:335–45

Interaction of fibrinolytic activity between the tracheobronchial secretion and circulating blood of rats. Kosugi T, et al. **Laryngoscope** 1984 Mar;94(3):386–90

SURGERY

Plastipore in reconstruction of the laryngo-tracheal complex. Joachims HZ, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):167–70

The autogenous mucosal cyst. An experimental study with special reference to reconstructive surgery of the airway. Löfgren L, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):171–84

Temporary partial cardiopulmonary bypass during emergency operative management of near total tracheal occlusion. Wilson RF, et al. **Anesthesiology** 1984 Jul; 61(1):103–5

Intralaryngeal release for tracheal anastomosis. Sachs ME, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):482–4

Tracheal reconstruction [letter] Rioseco A. **Ann Thorac Surg** 1984 Sep;38(3):300–1

Costal blood supply in free flap grafting. Donald PJ. **Arch Otolaryngol** 1984 Feb;110(2):99–102

Voice preservation in postcricoid and cervical esophageal cancer. Krespi YP, et al. **Arch Otolaryngol** 1984 May; 110(5):323–6

Experimental and clinical reconstructive surgery of the larynx and trachea. Whited RE. **Arch Otolaryngol** 1984 May;110(5):315–7

Vocal rehabilitation by tracheogastric shunt method after pharyngolaryngoesophagectomy for malignancy. Saito H, et al. **Arch Otorhinolaryngol** 1984;240(1):35–41

Indications for endoscopic Nd-YAG laser surgery in the trachea and bronchus. Oho K, et al. **Endoscopy** 1983 Sep; 15(5):302–6

Reconstruction of the larynx and cervical trachea with the pectoralis major myocutaneous island flap. Eliachar I, et al. **Head Neck Surg** 1984 Mar–Apr;6(4):880–3

Total tracheal reconstruction in a three-month-old infant. Akl BF, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):543–6

Resection of acquired tracheal stenosis in childhood. Alstrup P, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):547–9

Neovascularity of a tracheal prosthesis/tissue complex. Nelson RJ, et al. **J Thorac Cardiovasc Surg** 1983 Dec; 86(6):800–8

Evaluation of speech of laryngectomees after the Amatsu tracheoesophageal shunt operation. Amatsu M, et al. **Laryngoscope** 1984 May;94(5 Pt 1):696–701

An improved method for creating tracheoesophageal fistulas for Blom-Singer or Panje voice prostheses. Spofford B, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):257–8

Tracheal reconstruction with a pleuroperiosteal flap. Krespi YP, et al. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):610–4

Composite vascularized free-rib and pleural transfer for laryngotracheal reconstruction. Watson J, et al. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):384–95

Cartilage tube formation by perichondrium: a new concept for tracheal reconstruction. Kon M, et al. **Plast Reconstr Surg** 1983 Dec;72(6):791–7

Tracheal resection in an infant with double aortic arch and associated tracheomalacia. Dark JH, et al. **Thorax** 1983 Oct; 38(10):798–9

Resection of the carina and oesophagus for malignant tumours of the oesophagus or tracheobronchial tree. Ikeda T, et al. **Thorax** 1984 Mar;39(3):201–5

[Experiences with high-frequency jet ventilation in operations of the larynx and trachea] Hirlinger WK, et al. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):243–9 (Eng. Abstr.) **(Ger)**

[Removal of a foreign body in the trachea after eight years] Uhlemann F, et al. **Zentralbl Chir** 1984;109(2):111–3 **(Ger)**

[One of the most severe complications of the surgical resection of the trachea: rupture of the innominate artery] Bassi N, et al. **Minerva Chir** 1983 Nov 30;38(22):1897–902 (Eng. Abstr.) **(Ita)**

[Right upper tracheal sleeve lobectomy for cancer of the lung. Reconstruction of the tracheal bifurcation after right upper lobectomy extending to the main bronchus and trachea] Sartori F, et al. **Minerva Chir** 1984 Feb 28; 39(4):209–12 (Eng. Abstr.) **(Ita)**

[2-stage reconstruction in synchronous stenosis of the trachea and bronchus: a case report] Edakuni S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):377–82 (Eng. Abstr.) **(Jpn)**

[A case of adenoid cystic carcinoma subjected to left pneumonectomy and carinal resection by means of a 2-stage operative procedure] Hadama T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):277–82 (Eng. Abstr.) **(Jpn)**

[Primary tracheal anastomosis after resection of mediastinal thyroid carcinoma—successful management of paralysis of bilateral recurrent laryngeal nerves] Ishii N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):272–6 (Eng. Abstr.) **(Jpn)**

[A successful end-to-side anastomosis between the left upperlobe bronchus and the trachea for stenosis of left main bronchus due to tuberculosis] Nagai I, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):925–9 (Eng. Abstr.) **(Jpn)**

[Tracheoplasty for congenital tracheal stenosis using costal cartilage autograft] Sakurai T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):76–82 (Eng. Abstr.) **(Jpn)**

[Mycosis of the bronchial stump after resection of lung tissue and tracheal mycosis after plastic surgery of the trachea] Zajaczkowska J, et al. **Pneumonol Pol** 1984 Apr; 52(4):187–93 (Eng. Abstr.) **(Pol)**

[Case of circular resection of the thoracic segment of the trachea for angiofibrosarcoma in an 8-year-old child] Gagua RO, et al. **Grudn Khir** 1984 May-Jun;(3):81–2 **(Rus)**

[Specific features of surgery of the trachea and main bronchi] Vishnevskiĭ AA, et al. **Grudn Khir** 1984 Jan-Feb;(1):40–4 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Tracheal transplantation. I. The immunogenic effect of rat tracheal transplants. Beigel A, et al. **Arch Otorhinolaryngol** 1984;240(2):185–92

ULTRASTRUCTURE

Tracheal ultrastructure in kerosene treated guinea pigs. A preliminary report. Noa N, et al. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):33–6

Surface architecture of the mucosal epithelium of the cat trachea: I. Cartilaginous portion. Tandler B, et al. **Am J Anat** 1983 Oct;168(2):119–31

Surface architecture of the mucosal epithelium of the cat trachea: II. Structure and dynamics of the membranous portion. Tandler B, et al. **Am J Anat** 1983 Oct; 168(2):133–44

Scanning electron microscopic studies of adverse effects of ammonia on tracheal tissues of turkeys. Nagaraja KV, et al. **Am J Vet Res** 1983 Aug;44(8):1530–6

Fine structural aspects of the development and aging of the tracheal epithelium of mice. Kawamata S, et al. **Arch Histol Jpn** 1983 Jun;46(3):355–72

Rabbit lung after acute smoke inhalation. Cellular responses and scanning electron microscopy. Loke J, et al. **Arch Surg** 1984 Aug;119(8):956–9

Histochemical study of the secretory granules in the granular cells of the tracheal epithelium in some species of lizards. Těšík I, et al. **Folia Morphol (Praha)** 1984;32(1):55–8

Arrangement of C-tubule protofilaments in mammalian basal bodies. Wilsman NJ, et al. **J Ultrastruct Res** 1983 Sep; 84(3):205–12

Scanning and transmission electron microscopy of normal chicken tracheal epithelia. Lai MC, et al. **Poult Sci** 1984 Jul;63(7):1425–31

Absence of cilia and basal bodies with predominance of brush cells in the respiratory mucosa from a patient with immotile cilia syndrome. Gordon RE, et al. **Ultrastruct Pathol** 1984; 6(1):45–9

[Effect of repeated administration of the mucolytic Mucopront on the ultrastructure of the respiratory tract epithelium] Konrádová V, et al. **Cesk Pediatr** 1983 Aug; 38(8):464–7 (Eng. Abstr.) **(Cze)**

[Stroboscopic study of the respiratory mucosal ciliary beat frequency] Escudier E, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(2):150–2 (Eng. Abstr.) **(Fre)**

TRACHEAL DISEASES

[Pulmonary amyloidosis. Etiopathogenic, clinical and therapeutic data] Mangiulea V. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):1–12 (49 ref.) (Eng. Abstr.) **(Rum)**

COMPLICATIONS

[Laryngo-tracheal respiratory insufficiency. Causes, diagnosis and therapy] Wilhelm HJ, et al. **ZFA (Stuttgart)** 1983 Aug 20;59(23):1237–42 **(Ger)**

[Case of tracheobronchomegaly associated with multiple divertucula] Suzuki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):659–64 (Eng. Abstr.) **(Jpn)**

[Tracheobronchomegaly with tracheobronchial diverticulosis (clinical, etiopathogenic, bronchoscopic and radiological study of 28 cases)] Mangiulea V, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):245–56 (Eng. Abstr.) **(Rum)**

[Mounier-Khun syndrome as cause of hemoptysis in a patient surgically treated for a pulmonary hydatid cyst (letter)] Marin Pardo J, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):832 **(Spa)**

DIAGNOSIS

Cytology of tracheobronchial amyloidosis. Chen KT. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):133–5

Clinical aspects of tracheobronchopathia osteochondroplastica. Clee MD, et al. **Br J Dis Chest** 1983 Jul;77(3):308–14

Bronchorrhea. A presenting feature of active endobronchial tuberculosis. So SY, et al. **Chest** 1983 Nov;84(5):635–6

[Endoscopic cryobiopsy in tracheobronchial pathology] Olariu B. **Rev Chir [Otorinolaringol]** 1983 Jul–Sep; 28(3):225–7 **(Rum)**

[Chondrosteoplastic tracheopathy] Mangiulea V. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):143–56 (Eng. Abstr.) **(Rum)**

ETIOLOGY

Tracheobronchial cartilage calcification in children. Case reports and review of the literature. Rifkin MD, et al. **Br J Radiol** 1984 Apr;57(676):293–6

Chronic traumatic aneurysm of the descending thoracic aorta with compression of the tracheobronchial tree. Verdant A. **Can J Surg** 1984 May;27(3):278–9

Diagnosis and treatment of traumatic granuloma in tracheobronchial tree of newborn with history of chronic intubation. Grylack LJ, et al. **J Pediatr Surg** 1984 Apr; 19(2):200–1

[4 cases of tracheal collapse following thyroidectomy] Sow ML, et al. **Dakar Med** 1983;28(1):11–9 (Eng. Abstr.) **(Fre)**

[Aberrant left pulmonary artery. Presentation of a new case and review of the literature] Tomás Collado E, et al. **Rev Esp Cardiol** 1983;36(2):163–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Primary tracheobronchial amyloidosis. A case report and review of reported cases. Wakasa K, et al. **Acta Pathol Jpn** 1984 Jan;34(1):145–52

['Saber-sheath' intrathoracic trachea] Pan JS. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):175–7 (Eng. Abstr.) **(Chi)**

[Amyloidosis and its bronchopulmonary localizations. Apropos of 3 cases] Peuchmaur M, et al. **Poumon Coeur** 1983;39(3):115–20 (Eng. Abstr.) **(Fre)**

[The role of fibroblasts in amyloid formation] Balázs M. **Morphol Igazsagugyi Orv Sz** 1983 Jul;23(3):197–204 (Eng. Abstr.) **(Hun)**

[A case of tracheobronchomegaly] Hayashi S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb;22(2):150–3 (Eng. Abstr.) **(Jpn)**

[Tracheobronchopathia chondro-osteoplastica in a leprosy patient] Furuta M, et al. **Nippon Rai Gakkai Zasshi** 1982 Oct-Dec;51(4):187–93 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Tracheobronchomegaly—the Mounier-Kuhn syndrome. Gay S, et al. **Br J Radiol** 1984 Jul;57(679):640–4

Computed tomography of intrinsic laryngeal and tracheal abnormalities in children. Liu P, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):662–9

Tracheal scleroma: a contrast radiographic study. Gaafar HA, et al. **J Laryngol Otol** 1984 Jan;98(1):65–70

[Preliminary clinico-radiological study of saber-sheath trachea] Liu JH. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):172–4 (Eng. Abstr.) **(Chi)**

[A case of tracheobronchopathia osteochondroplastica] Fukuda Y, et al. **Rinsho Hoshasen** 1984 Mar;29(3):401–4 (Eng. Abstr.) **(Jpn)**

SURGERY

Indications, results, and complications of bronchoscopic carbon dioxide laser therapy. McElvein RB, et al. **Ann Surg** 1984 May;199(5):522–5

Nd–YAG laser therapy for tracheobronchial disorders. Beamis JF Jr, et al. **Postgrad Med** 1984 Feb 15;75(3):173–80

Surgical treatment of tracheal dyskinesia. Keller R, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):352–4

[Early complications after reconstructive surgery of the trachea and principles of intensive care] Koroleva NS, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):35–41 (Eng. Abstr.) (Rus)

[Injection artificial ventilation in tracheobronchial surgery in children and adolescents] Zislin BD, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):8–11 (Eng. Abstr.) (Rus)

[Reconstructive operations in combined diseases of the larynx and trachea] Avilova OM, et al. **Grudn Khir** 1983 Sep–Oct;(5):26–30 (Eng. Abstr.) (Rus)

[Multicomponent intravenous anesthesia using calypsol in surgery of the lungs and mediastinum] Buniatian AA, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):37–43 (Eng. Abstr.) (Rus)

THERAPY

Endotracheal tube with movable blocker to prevent aspiration of intratracheal bleeding. Inoue H, et al. **Ann Thorac Surg** 1984 Jun;37(6):497–9

Aspiration pneumonitis with tracheal erosion and tracheomalacia supported with high frequency jet ventilation. Brasfield BW, et al. **J Tenn Med Assoc** 1984 Jul;77(7):392–4

[Acquired tracheomalacia in adults: value of spontaneous ventilation with positive end expiratory pressure] Guérin JM, et al. **Poumon Coeur** 1983;39(5):273–5 (Eng. Abstr.) (Fre)

VETERINARY

Statistical analysis of selected tracheal measurements in normal dogs and dogs with collapsed trachea. Dallman MJ, et al. **Am J Vet Res** 1984 May;45(5):1033–7

Tracheal actinomycosis in a cow. Bertone AL, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):221–2

TRACHEAL NEOPLASMS

Mucoepidermoid tracheal adenoma during pregnancy. Dieter RA Jr, et al. **Int Surg** 1983 Jul–Sep;68(3):271–2

ANALYSIS

Lectin-binding sites in preneoplastic and neoplastic lesions of human and rodent respiratory tracts. Shiba M, et al. **JNCI** 1984 Jan;72(1):43–51

CHEMICALLY INDUCED

Carcinogenesis in canine bistomal heterotopic tracheal grafts. Paladugu RR, et al. **Ann Thorac Surg** 1984 Feb;37(2):111–4

Chemical carcinogenesis in the tracheobronchial epithelium. Trump BF, et al. **Environ Health Perspect** 1984 Apr; 55:77–84 (59 ref.)

COMPLICATIONS

Palliation of airway obstruction from tracheobronchial malignancy: use of the CO2 laser bronchoscope. Shapshay SM, et al. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):615–9

DIAGNOSIS

Tracheal carcinoma obscured by an endotracheal tube. Schenk DA, et al. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):703–4

Tracheal obstruction presenting as asthma. Parrish RW, et al. **Postgrad Med J** 1983 Dec;59(698):775–6

Tracheal hamartoma causing unique stridor and a review of the literature. Kim SK, et al. **Yonsei Med J** 1982; 23(2):153–8

[Fiberbronchoscopic observation of tracheal carcinoma and pulmonary tumors—report of 212 cases] Jiang XF. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):44–6 (Eng. Abstr.) (Chi)

[Larynx and tracheobronchial papillomatosis] Heyenga H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:969–71 (Eng. Abstr.) (Ger)

[Tracheal tumors (clinicopathological and bronchologic study)] Mangiulea V. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar; 33(1):59–72 (Rum)

[2 cases of benign tumor of the trachea simulating bronchial asthma] Shustval' NF, et al. **Klin Med (Mosk)** 1983 Dec; 61(12):119–20 (Rus)

ETIOLOGY

Endobronchial polyposis following smoke inhalation. Williams DO, et al. **Chest** 1983 Dec;84(6):774–6

IMMUNOLOGY

Monoclonal antibodies directed against rat tracheal epithelial cells transformed in vitro. Braslawsky GR, et al. **Int J Cancer** 1984 Jan 15;33(1):131–8

METABOLISM

Hexose uptake in 7,12-dimethylbenz(a)anthracene-preexposed rat tracheal epithelial cells during the progression of neoplasia. Wasilenko WJ, et al. **Cancer Res** 1984 Jul;44(7):3081–9

PATHOLOGY

Leiomyoma of the trachea. Chen KT. **Am J Otolaryngol** 1983 Mar–Apr;4(2):144–6

Benign tumours of the bronchus and trachea, 1951–1981. Hurt R. **Ann R Coll Surg Engl** 1984 Jan;66(1):22–6

Benign clear cell tumor ('sugar tumor') of the trachea. Küng M, et al. **Cancer** 1984 Aug 1;54(3):517–9

High frequency of carcinogen-induced early, preneoplastic changes in rat tracheal epithelial cells in culture. Thomassen DG, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5956–63

Carcinomas of the thyroid gland invading larynx and trachea. Segal K, et al. **Clin Otolaryngol** 1984 Feb;9(1):21–5

Primary tracheal neoplasms. Gupta RC, et al. **Indian J Chest Dis Allied Sci** 1983 Jul–Sep;25(3):238–41

Tracheal carcinoma presenting as a thyroid tumor. Zirkin HJ, et al. **J Surg Oncol** 1984 Aug;26(4):268–71

A case of pleomorphic adenoma of the trachea. Sano T, et al. **Jpn J Clin Oncol** 1984 Mar;14(1):93–8

Tracheal Hodgkin's disease. Report of a case. Muretto P, et al. **Tumori** 1984 [illegible] 29;70(1):109–11

[Primary tracheal carcinoma: report of clinicopathological findings in 61 cases] Huang EX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):179–81 (Eng. Abstr.) (Chi)

[Pathomorphological analysis of primary tumors of the trachea and bronchi of low malignancy: report of 52 cases] Lin ZQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Jun;6(3):182–4 (Eng. Abstr.) (Chi)

[Leiomyomatosis of the esophagus, tracheo-bronchi and genitals associated with Alport type hereditary nephropathy: a new syndrome] García Torres R, et al. **Rev Gastroenterol Mex** 1983 Jul–Sep;48(3):163–70 (Eng. Abstr.) (Spa)

RADIOGRAPHY

[Endotracheal dystopia of thyroid tissue] Otte T, et al. **HNO** 1984 May;32(5):213–6 (Eng. Abstr.) (Ger)

[Three cases of primary tracheal carcinoma] Nakano K, et al. **Rinsho Hoshasen** 1984 Jan;29(1):115–8 (Eng. Abstr.) (Jpn)

RADIOTHERAPY

Malignant tumours of the trachea. Baraka ME. **Ann R Coll Surg Engl** 1984 Jan;66(1):27–9

Laryngectomy tube brachytherapy for tracheal stomal recurrence [letter] Liskow AS, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1587–8

Anesthesia for the application of endotracheal and endobronchial radiation therapy. Rooney SM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):693–7

SECONDARY

Radical operation for thyroid carcinoma invading the trachea. Nakao K, et al. **Arch Surg** 1984 Sep;119(9):1046–9

[Tracheotomy and stomal recurrence of the neoplasm] Cervellera G, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):231–8 (Eng. Abstr.) (Ita)

[Tumorous obstruction of the trachea as the initial manifestation of cancer of the esophagus (letter)] Canalís Arrayás E, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):426 (Spa)

SURGERY

Experimental and clinical use of the YAG laser in the management of pulmonary neoplasms. Wolfe WG, et al. **Ann Surg** 1984 May;199(5):526–31

Tracheostomal recurrences after laryngectomy. Bignardi L, et al. **Arch Otorhinolaryngol** 1983;238(2):107–13

Bronchoscopic therapy with neodymium–yttrium–aluminum–garnet laser during intravenous anesthesia. Effect on arterial blood gas levels, pH, hemoglobin saturation, and production of abnormal hemoglobin. Brutinel WM, et al. **Chest** 1983 Nov; 84(5):518–21

Endotracheal granular cell myoblastoma. A failure of laser therapy. McLain WC 3d, et al. **Chest** 1984 Jul;86(1):136–7

Laser therapy for advanced carcinoma of the trachea and bronchus [editorial] Vincent RG. **Chest** 1983 Nov; 84(5):509–10

Transcutaneous gas tension monitoring in the management of intraoperative apnea. Hause. CJ, et al. **Crit Care Med** 1983 Oct;11(10):830–1

Treatment of malignant disease in trachea and main-stem bronchi by carbon dioxide laser. McElvein RB, et al. **J Thorac Cardiovasc Surg** 1983 Dec;86(6):858–63

Resection of the carina and oesophagus for malignant tumours of the oesophagus or tracheobronchial tree. Ikeda T, et al. **Thorax** 1984 Mar;39(3):201–5

[Benign mixed tumor in the trachea] Sakurai H, et al. **Kyobu Geka** 1984 Jan;37(1):23–7 (Eng. Abstr.) (Jpn)

[Case of circular resection of the thoracic segment of the trachea for angiofibrosarcoma in an 8-year-old child] Gagua RO, et al. **Grudn Khir** 1984 May–Jun;(3):81–2 (Rus)

[Cylindromas of the trachea and bronchi] Perel'man MI, et al. **Grudn Khir** 1984 Mar–Apr;(2):43–8 (Eng. Abstr.) (Rus)

[Use of a T-shaped silicone tube in surgery of the trachea] Perel'man MI, et al. **Vestn Otorinolaringol** 1984 May–Jun; (3):45–50 (Eng. Abstr.) (Rus)

THERAPY

Photoradiation therapy in advanced carcinoma of the trachea and bronchus. Vincent RG, et al. **Chest** 1984 Jan; 85(1):29–33

ULTRASTRUCTURE

Small cell (oat cell) carcinoma of the trachea with endocrine features. Report of a case and results of ultrastructural and immunohistochemical study. Rashid RK, et al. **Arch Pathol Lab Med** 1984 Feb;108(2):149–51

TRACHEAL STENOSIS

CLASSIFICATION

[Classification of laryngotracheal stenoses in the adult] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(1):31–4 (Eng. Abstr.) (Fre)

COMPLICATIONS

Group C streptococcal endocarditis associated with intubation-induced tracheal stenosis. Jack CM, et al. **Int J Cardiol** 1984 Mar;5(3):376–9

Tracheal stenosis in sarcoidosis. Henry DA, et al. **South Med J** 1983 Oct;76(10):1323–4

[Dyspnea caused by tracheal stricture following operative treatment of esophageal atresia] Vos A, et al. **Tijdschr Kindergeneeskd** 1983 Oct;51(5):171–5 (Eng. Abstr.) (Dut)

[Respiratory insufficiency caused by tracheal stenosis. A case of adenomatous goiter] Hata K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:90–2 (Jpn)

CONGENITAL

Congenital vascular anomalies causing tracheoesophageal compression. Smith RJ, et al. **Arch Otolaryngol** 1984 Feb; 110(2):82–7

Complete cartilage-ring tracheal stenosis associated with anomalous left pulmonary artery: the ring-sling complex. Berdon WE, et al. **Radiology** 1984 Jul;152(1):57–64

[Congenital tracheal stenosis] Grünebaum M, et al. **Harefuah** 1983 Dec 15;105(12):397–400 (Eng. Abstr.) (Heb)

[Tracheoplasty for congenital tracheal stenosis using costal cartilage autograft] Sakurai T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):76–82 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Tracheal stenosis measured by the acoustic reflection technique. Hoffstein V, et al. **Am Rev Respir Dis** 1984 Sep; 130(3):472–5

Coexistant lesions of the pediatric airway. Shugar MA, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov;2(4):323–7

ETIOLOGY

Intra-thoracic goitre with life threatening complications: a continuing diagnostic problem. Andrianopoulos E, et al. **Bristol Med Chir J** 1984 Jan;99(369):3–7

Innominate artery compression of the trachea. Wenig BL, et al. **Bull NY Acad Med** 1984 Jun;60(5):525–31

Variable tracheal stenosis related to body position. Calhoun WJ, et al. **Chest** 1984 Jul;86(1):87–9

Vascular strictures of the respiratory tract in children. Desnos J, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov; 2(4):269–85

Experience with iatrogenic laryngeal and tracheal stenoses. O'Neill JA Jr. **J Pediatr Surg** 1984 Jun;19(3):235–8

A prospective study of laryngotracheal sequelae in long-term intubation. Whited RE. **Laryngoscope** 1984 Mar; 94(3):367–77

Residua of thoracic trauma. Hix WR. **Surg Gynecol Obstet** 1984 Mar;158(3):295–301 (48 ref.)

[J. Evan's operation for stenosis caused by cricoid chondronecrosis] Desnos J, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):213–6 (Eng. Abstr.) (Fre)

[Etiology of laryngotracheal stenoses in the adult] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(1):35–7 (Eng. Abstr.) (Fre)

[Obstruction of the tracheal lumen by a palacos implant] Schlürmann D, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):210–1 (Eng. Abstr.) (Ger)

[Pathogenesis of tracheal stenosis following long-term intubation of patients with multiple injuries] Balluch H. **HNO** 1983 Nov;31(11):395–8 (Eng. Abstr.) (Ger)

[A case of Wegener's granulomatosis with marked subglottic tracheal stenosis] Shiraki R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):1007–10 (Eng. Abstr.) (Jpn)

[Case of relapsing polychondritis associated with persistent

rib cartilage pain and severe tracheal stenosis—a review of 53 cases in Japan] Suzuki M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jul;21(7):665–71 (Eng. Abstr.) **(Jpn)**

[Various aspects of post-intubation tracheal stenosis] Juszczyński M, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):289–92 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

High frequency jet ventilation v. manual jet ventilation during bronchoscopy in patients with tracheo-bronchial stenosis. Vourc'h G, et al. **Br J Anaesth** 1983 Oct; 55(10):969–72

[Measurements of airway resistance in stenosis of the laryngo-tracheal region] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Apr;63(4):212–4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Tracheal and bronchial stenosis associated with mediastinal adenopathy in Wegener granulomatosis: CT findings. Cohen MI, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):327–9

SURGERY

Resection of congenital stenosis of the trachea in an infant. Sørensen HR, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):141–4

Intralaryngeal release for tracheal anastomosis. Sachs ME, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):482–4

Complete transection of the intrathoracic trachea due to blunt trauma. Lazar HL, et al. **Ann Thorac Surg** 1984 Jun; 37(6):505–7

Rotary-door flap in laryngotracheal reconstruction. Eliachar I, et al. **Arch Otolaryngol** 1984 Sep;110(9):585–90

Manual jet ventilation v. high frequency jet ventilation during laser resection of tracheo-bronchial stenosis. Vourc'h G, et al. **Br J Anaesth** 1983 Oct;55(10):973–5

Principles for safety in application of neodymium-YAG laser in bronchology. Dumon JF, et al. **Chest** 1984 Aug; 86(2):163–8

Treatment of post-intubation laryngotracheal stenosis. Kossowska E, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov;2(4):301–7

Effect of prosthetic airway splint on the growing trachea. Murphy JP, et al. **J Pediatr Surg** 1983 Dec;18(6):872–8

Management of intractable and extensive tracheal stenosis by implantation of cartilage graft. Saad SA, et al. **J Pediatr Surg** 1983 Aug;18(4):472–4

Total tracheal reconstruction in a three-month-old infant. Akl BF, et al. **J Thorac Cardiovasc Surg** 1984 Apr; 87(4):543–6

Resection of acquired tracheal stenosis in childhood. Alstrup P, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):547–9

Endoscopic laser repair of posterior glottic, subglottic and tracheal stenosis by division or micro-trapdoor flap. Dedo HH, et al. **Laryngoscope** 1984 Apr;94(4):445–50

Correction of tracheal stomal stenosis. Donegan JO, et al. **Laryngoscope** 1984 Jul;94(7):977–9

Transstomal endoscopic monitoring of patients managed by tracheal silicone T-tubes. Eliachar I, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):214–6

Carbon dioxide laser management of subglottic and tracheal stenosis. Friedman EM, et al. **Otolaryngol Clin North Am** 1983 Nov;16(4):871–7 (13 ref.)

The operative management of post-intubation tracheal strictures. Case reports. Delikaris PG, et al. **S Afr Med J** 1983 Dec 17;64(26):1033–5

Functional diagnosis in surgery of the large airways. Petro W, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):355–8

Innominate artery compression of the trachea in infancy and childhood: is surgical therapy justified? Welz A, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):85–8

Tracheal resection in an infant with double aortic arch and associated tracheomalacia. Dark JH, et al. **Thorax** 1983 Oct; 38(10):798–9

[Autogenous tissue grafting for traumatic cicatricial subglottic and tracheal stenosis] Wang DM. **Chung Hua Wai Ko Tsa Chih** 1983 May;21(5):262–4 (Eng. Abstr.) **(Chi)**

[Total subglottic stenosis in a 3-year-old child] Carcassonne M, et al. **Chirurgie** 1984;110(2):164–6 (Eng. Abstr.) **(Fre)**

[Our own surgical procedure for tracheomalacia] Gastinger I, et al. **Zentralbl Chir** 1984;109(13):895–9 **(Ger)**

[Emergency tracheal reconstruction for tracheal stenosis] Ishikawa M, et al. **Kyobu Geka** 1983 Dec;36(12):992–6 (Eng. Abstr.) **(Jpn)**

[2-stage reconstruction in synchronous stenosis of the trachea and bronchus: a case report] Edakuni S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):377–82 (Eng. Abstr.) **(Jpn)**

[Cicatricial stenosis of the trachea and its correction in children] Avilova OM, et al. **Grudn Khir** 1983 Jul–Aug; (4):42–5 (Eng. Abstr.) **(Rus)**

[Clinico-functional results of surgical treatment of tracheobronchial dyskinesia (expiratory stenosis)] Putov NV, et al. **Grudn Khir** 1984 Jul–Aug;(4):61–6 (Eng. Abstr.) **(Rus)**

[Use of a T-shaped silicone tube in surgery of the trachea] Perel'man MI, et al. **Vestn Otorinolaringol** 1984 May–Jun; (3):45–50 (Eng. Abstr.) **(Rus)**

THERAPY

Balloon dilatation of tracheal and bronchial stenosis. Cohen MD, et al. **AJR** 1984 Mar;142(3):477–8

A new approach to the management of critical low tracheal obstruction. Gleeson MJ, et al. **J Laryngol Otol** 1984 Aug; 98(8):811–8

[Endoscopic treatment of laryngotracheal stenosis. Critical thoughts apropos of 25 cases] Simon C, et al. **J Fr Otorhinolaryngol** 1983 Oct;32(8):467–71 **(Fre)**

VETERINARY

Collapse of the trachea in two calves. Watt BR. **Aust Vet J** 1983 Oct;60(10):309–10

TRACHEITIS

COMPLICATIONS

Bacterial tracheitis as a complication of viral croup. Edwards KM, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):390–1

Bacterial tracheitis and viral croup [letter] Naqvi SH, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):282–3

DIAGNOSIS

Epiglottitis and laryngotracheobronchitis. Clark WD, et al. **Am Fam Physician** 1983 Oct;28(4):189–94

Laryngotracheitis and croup [letter] Orr ST, et al. **Am J Dis Child** 1984 Oct;138(10):991–2

Bacterial tracheitis—déjà vu. Hen J Jr. **Conn Med** 1984 Jul; 48(7):417–9

C-reactive protein and bacterial tracheitis [letter] Shabino CL. **J Pediatr** 1983 Dec;103(6):1010

DRUG THERAPY

[Inflammatory conditions and indomethacin. Modification of severe life-threatening infections following surgery and injuries with indomethacin] Joncic DL. **Med Welt** 1983 Sep 16;34(37):1013–4 **(Ger)**

ETIOLOGY

Pneumonia and acute febrile tracheobronchitis due to haemophilus influenzae. Musher DM, et al. **Ann Intern Med** 1983 Oct;99(4):444–50

[Mycosis of the bronchial stump after resection of lung tissue and tracheal mycosis after plastic surgery of the trachea] Zajaczkowska J, et al. **Pneumonol Pol** 1984 Apr; 52(4):187–93 (Eng. Abstr.) **(Pol)**

[Respiratory tract infection in mechanically ventilated patients] Antoszewski Z, et al. **Wiad Lek** 1983 Nov 15; 36(22):1843–50 (Eng. Abstr.) **(Pol)**

[Infectious complications in patients with thoracic injuries under long-term artificial ventilation of the lungs] Avilova OM, et al. **Vestn Khir** 1984 Jan;132(1):132–4 (Eng. Abstr.) **(Rus)**

[Membranous laryngotracheobronchitis] Labay Matías MV, et al. **An Esp Pediatr** 1984 Jan;20(1):33–40 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Viral and Mycoplasma pneumoniae tracheobronchitis in childhood. Data collected in parma from 1975 to 1982] Tanzi ML, et al. **Ann Sclavo** 1982 Sep–Oct;24(5):466–81 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Chronic sclerosing tracheobronchitis. Bock SA, et al. **Arch Dis Child** 1984 May;59(5):484–5

Laryngotracheobronchitis. Tissue marker of a SIDS subgroup. Franciosi RA. **Minn Med** 1983 Oct;66(10):617–8

PHYSIOPATHOLOGY

[Reactivity of smooth muscle in the trachea and lung of cats to acetylcholine in experimental inflammation] Bánovčin P, et al. **Bratisl Lek Listy** 1983 Jul;80(1):53–9 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

[Case of tuberculosis of the tracheobronchial lymph nodes with a shadow interpreted as a lung tumor] Mruk A. **Pediatr Pol** 1983 Nov;58(11):901–4 **(Pol)**

THERAPY

Airway management in children with bacterial tracheitis. Weinberg S, et al. **Anesth Analg** 1984 Sep;63(9):860–2

[Treatment of laryngotracheitis in children] Tomilov II, et al. **Vestn Otorinolaringol** 1983 Jul–Aug;(4):65 **(Rus)**

VETERINARY

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct–Dec; 27(4):1142–50

Efficacy of early (48 and 96 hour) protection against feline viral rhinotracheitis following intranasal vaccination with a live temperature sensitive mutant. Cocker FM, et al. **Vet Rec** 1984 Apr 7;114(14):353–4

[Mass occurrence of mycotic tracheitis in chickens] Veselský M, et al. **Vet Med (Praha)** 1984 May;29(5):301–6 (Eng. Abstr.) **(Cze)**

TRACHEOESOPHAGEAL FISTULA

Tracheoesophageal fistula for Panje tube. Lewis DR, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1486

COMPLICATIONS

Esophageal atresia and tracheoesophageal fistula. Gray PF, et al. **Am Fam Physician** 1984 May;29(5):125–8

Esophageal atresia with double fistula: the missed anomaly. Johnson AM, et al. **Ann Thorac Surg** 1984 Sep; 38(3):195–200

Concurrent right diaphragmatic hernia and type C tracheoesophogeal fistula. A case report. Rawlings JS, et al. **Clin Pediatr (Phila)** 1984 Sep;23(9):518–20

Total lung sequestration in association with oesophageal atresia and multiple tracheo-oesophageal fistulae. Schwartz DL, et al. **Z Kinderchir** 1983 Dec;38(6):410–11

CONGENITAL

Management of the newborn with gastrointestinal anomalies and tracheoesophageal fistula. Mollitt DL, et al. **Am J Surg** 1983 Dec;146(6):792–5

Laryngotracheoesophageal cleft—a problem of airway management. Kingston HG, et al. **Anesth Analg** 1983 Nov; 62(11):1041–3

VATER association and unrecognized bronchopulmonary foregut malformation complicating anesthesia. Bleicher MA, et al. **Mt Sinai J Med (NY)** 1983 Sep–Oct;50(5):435–8

[Congenital tracheoesophageal fistula in an 18-year-old patient] Bruns VA, et al. **Grudn Khir** 1983 Nov–Dec; (6):81–2 **(Rus)**

DIAGNOSIS

Esophageal fistula. Ginsberg RJ, et al. **World J Surg** 1983 Jul;7(4):455–62

ETIOLOGY

Esophageal carcinoma with respiratory tract fistula. Little AG, et al. **Cancer** 1984 Mar 15;53(6):1322–8

Acute tracheoesophageal communication: a diagnostic sign for an unusual injury. Fitzpatrick BT, et al. **Ir Med J** 1983 Oct;76(10):421–2

Tracheo-oesophageal fistula following blunt trauma. Banerjee A, et al. **J Laryngol Otol** 1984 Jul;98(7):743–4

Tracheoesophageal fistula and arteriosclerotic aortic aneurysm. Schiffman R. **J Med Soc NJ** 1984 Jul;81(7):563–6

Tracheo-oesophageal fistula due to primary lymphoma of the oesophagus. Williams MR, et al. **J R Coll Surg Edinb** 1984 Jan;29(1):60–1

Unusual case of benign tracheo-oesophageal fistula. McNicholas K, et al. **Thorax** 1984 Apr;39(4):311–2

[A peculiar case of esophagotracheal fistula formation] Poli P, et al. **Minerva Anestesiol** 1984 Jan–Feb;50(1–2):25–6 (Eng. Abstr.) **(Ita)**

[A case of tracheo-esophageal fistula complicated by the long-term mechanical ventilation following open-heart surgery] Takahara Y, et al. **Kyobu Geka** 1984 Jun; 37(6):461–4 (Eng. Abstr.) **(Jpn)**

[Traumatic tracheoesophageal fistula] Dzhafarov ChM, et al. **Grudn Khir** 1983 Jul–Aug;(4):79 **(Rus)**

FAMILIAL & GENETIC

Neural tube defects in sibs of children with tracheo-oesophageal dysraphism [letter] Ilyina HG, et al. **J Med Genet** 1984 Feb;21(1):73–4

HISTORY

The first successful total repair of congenital atresia of the esophagus with tracheoesophageal fistula. Langston HT. **Ann Thorac Surg** 1984 Jul;38(1):72–4

RADIOGRAPHY

Recurrent tracheo-esophageal fistula: a protocol for investigation. Stringer DA, et al. **Radiology** 1984 Jun; 151(3):637–41

[Esophago-tracheal fistula in malignant non-Hodgkin lymphoma] Steidle B, et al. **ROFO** 1984 May;140(5):611–2 **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphic demonstration of tracheo-esophageal fistula. Dunn EK, et al. **J Nucl Med** 1983 Dec;24(12):1151–4

SURGERY

Surgical treatment of malignant esophagotracheal fistulas. Campion JP, et al. **Am J Surg** 1983 Nov;146(5):641–6

Anaesthetic management during repair of tracheo-oesophageal fistula. Chan CS. **Anaesthesia** 1984 Feb;39(2):158–60

Pessimism concerning palliative bypass procedures for established malignant esophagorespiratory fistulas: a report of 18 patients. Conlan AA, et al. **Ann Thorac Surg** 1984 Feb;37(2):108–10

Malignant tracheoesophageal fistula. Duranceau A, et al.

Ann Thorac Surg 1984 Apr;37(4):346–54
Tracheoesophageal fistula after tracheostomy. A newly designed surgical procedure. Liu K. **Chin Med J [Engl]** 1983 Apr;96(4):295–7
Non–malignant H–type tracheo–esophageal fistula in a young girl. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1983 Jan–Mar;25:76–8
Long–term nutritional assessment of patients with esophageal atresia and/or tracheoesophageal fistula. Andrassy RJ, et al. **J Pediatr Surg** 1983 Aug;18(4):431–5
Recurrent tracheoesophageal fistulas seventeen–year review. Ein SH, et al. **J Pediatr Surg** 1983 Aug;18(4):436–41
Delayed primary anastomosis in poor–risk patients with esophageal atresia associated with tracheoesophageal fistula. Ito T, et al. **J Pediatr Surg** 1984 Jun;19(3):243–7
Prevention of gastroesophageal reflux using Nissen fundoplication in the staged repair of esophageal atresia with distal tracheoesophageal fistula. Ogita S, et al. **Jpn J Surg** 1983 Nov;13(6):554–6
Closure of tracheoesophageal fistulas after removal of the voice prosthesis. Annyas AA, et al. **Laryngoscope** 1984 Sep; 94(9):1244–5
Tracheo–oesophageal fistula in Christchurch: a review. Blyth B, et al. **NZ Med J** 1984 Jan 25;97(748):42–4
Esophageal atresia and tracheoesophageal fistula: results of treatment and factors affecting survival. Chen CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):553–63
[Treatment of esophagotracheobronchial fistulas following caustic ingestion : a new technic for esophageal exclusion associated with retrosternal esophagocoloplasty. Apropos of 2 cases] Ancona E, et al. **Ann Chir** 1984 Feb;38(1):23–5 (Eng. Abstr.) **(Fre)**
[Palliative endoscopic therapy of esophageal carcinoma] Lux G, et al. **Fortschr Med** 1984 Mar 22;102(11):285–8 (Eng. Abstr.) **(Ger)**
[Surgical treatment of esophago–bronchial fistula with pulsion diverticulum] Morio S, et al. **Kyobu Geka** 1983 Aug; 36(8):680–2 (Eng. Abstr.) **(Jpn)**

THERAPY

Endoscopic diathermy obliteration of recurrent tracheoesophageal fistulae. Rangecroft L, et al. **J Pediatr Surg** 1984 Feb;19(1):41–3
[Life at any price? On the American debate over 'Baby Doe'] Miketta G. **Fortschr Med** 1984 Feb 16;102(7):86–7 **(Ger)**

TRACHEOSTOMY see **TRACHEOTOMY**

TRACHEOTOMY

Acute epiglottitis in adults. A management protocol based on a 17–year material. Andreassen UK, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):155–7
Nutritional status and bacterial binding in the lower respiratory tract in patients with chronic tracheostomy. Niederman MS, et al. **Ann Intern Med** 1984 Jun; 100(6):795–800
Respiratory resistance of tracheostomy tubes. Yung MW, et al. **Arch Otolaryngol** 1984 Sep;110(9):591–5
Spontaneous flow measurements of laryngotracheal resistance in 30 tracheostoma patients. Berdel D, et al. **Arch Otorhinolaryngol** 1984;240(2):133–7
Tracheostomal recurrences after laryngectomy. Bignardi L, et al. **Arch Otorhinolaryngol** 1983;238(2):107–13
Children with epiglottitis. Drake–Lee AB, et al. **Br J Clin Pract** 1984 Jun;38(6):218–20, 242
Post–laryngectomy localization of I–131 at tracheostomy site on a total body scan. Kirk GA, et al. **Clin Nucl Med** 1984 Jul;9(7):409–11
Foreign–body pneumonitis associated with tracheostomy. Brischetto MJ, et al. **Crit Care Med** 1984 Aug;12(8):689–90
Acute epiglottitis: evolution of management in the community hospital. DiTirro FR, et al. **Int J Pediatr Otorhinolaryngol** 1984 May;7(2):145–52
Effect of tracheostomy on lung development in fetal lambs. Fewell JE, et al. **J Appl Physiol** 1983 Oct;55(4):1103–8
The significance of tracheostomy in the management of fractures of the facial skeleton. Zachariades N, et al. **J Maxillofac Surg** 1983 Aug;11(4):180–6
The role of tracheostomy in otolaryngological practice in a developing country. Okeowo PA. **J Otolaryngol** 1983 Aug;12(4):231–4
Tracheostomy [editorial] **Lancet** 1983 Oct 29;2(8357):1008–9
Correction of tracheal stomal stenosis. Donegan JO, et al. **Laryngoscope** 1984 Jul;94(7):977–9
Transstomal endoscopic monitoring of patients managed by tracheal silicone T–tubes. Eliachar I, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):214–6
Unusual penetrating injury of face and neck [letter] Cucin RL. **NY State J Med** 1983 Jul–Sep;83(8–10):1038
The management of laryngotracheal injury. Gregor RT, et al. **S Afr J Surg** 1984 May;22(2):79–86
Diagnosis and repair of traumatic tracheal and tracheobronchial disruptions. Kruse–Andersen S, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):105–9
[Indications for tracheotomy in long–term ventilated critically ill patients] Zadrobilek E, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):19–23 (Eng. Abstr.) **(Ger)**
[Tracheotomy and stomal recurrence of the neoplasm] Cervellera G, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):231–8 (Eng. Abstr.) **(Ita)**
[Emergency tracheal reconstruction for tracheal stenosis] Ishikawa M, et al. **Kyobu Geka** 1983 Dec;36(12):992–6 (Eng. Abstr.) **(Jpn)**
[Cicatricial stenosis of the trachea and its correction in children] Avilova OM, et al. **Grudn Khir** 1983 Jul–Aug; (4):42–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Mucus transport and surface damage after endotracheal intubation and tracheostomy. An experimental study in pigs. Alexopoulos C, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):68–76
Long–term follow–up of infants under intensive care with tracheotomy during the period 1956–1965. Haglund G, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):166–73
Variable tracheal stenosis related to body position. Calhoun WJ, et al. **Chest** 1984 Jul;86(1):87–9
Respiratory infection complicating long–term tracheostomy. The implication of persistent gram–negative tracheobronchial colonization. Niederman MS, et al. **Chest** 1984 Jan;85(1):39–44
Tracheoesophageal fistula after tracheostomy. A newly designed surgical procedure. Liu K. **Chin Med J [Engl]** 1983 Apr;96(4):295–7
Acute fulminating pulmonary oedema following relief of airway obstruction. Dash HH, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):145–8
Tracheostomy in children. Soni NK, et al. **Indian J Pediatr** 1984 Jan–Feb;51(408):45–7
Communication development in young children with long–term tracheostomies: preliminary report. Simon BM, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):37–50
Paratracheal abscess after tracheostomy. Cole AG, et al. **Intensive Care Med** 1983;9(6):345–7
Tracheostomy 'decannulation panic' in children: fact or fiction? Black RJ, et al. **J Laryngol Otol** 1984 Mar; 98(3):297–304
Effect of tracheotomy on laryngeal function. Buckwalter JA, et al. **Otolaryngol Clin North Am** 1984 Feb;17(1):41–8
Complications of tracheostomies in neurosurgical patients. Miller JD, et al. **Surg Neurol** 1984 Aug;22(2):186–8
[Erosion bleeding from the common carotid artery as a late complication of tracheotomy and radiotherapy] Shakhsuvarian SB. **Vestn Otorinolaringol** 1983 Sep–Oct; (5):82–3 **(Rus)**

HISTORY

Tracheotomy versus intubation. A 19th century controversy. Alberti PW. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):333–7

INSTRUMENTATION

A comparative evaluation of disposable humidifiers. Mebius C. **Acta Anaesthesiol Scand** 1983 Oct;27(5):403–9
A disposable double–lumen tracheostomy tube—a prototype. Taylor S, et al. **Anaesth Intensive Care** 1984 Feb;12(1):57–8
Double–lumen endobronchial tubes for patients with tracheostomies [letter] Coe VL, et al. **Anesth Analg** 1984 Sep;63(9):882
Effectiveness of speaking–cuffed tracheostomy tube in patients with neuromuscular diseases [letter] Gordan V. **Crit Care Med** 1984 Jul;12(7):615–6
An unusual foreign body in the bronchial tree. Mohan V, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun; 25(2):149–51
Tracheotomy tube modification for pediatric patients. Sataloff RT, et al. **Laryngoscope** 1984 Sep;94(9):1245–6
Clinical experience with the silicone tracheal cannula in obstructive sleep apnea. Orsini MA, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):132–5
[Use of a T–shaped silicone tube in surgery of the trachea] Perel'man MI, et al. **Vestn Otorinolaringol** 1984 May–Jun; (3):45–50 (Eng. Abstr.) **(Rus)**

METHODS

Techniques of tracheostomy for intensive care patients [letter] Greisz H. **Anaesthesia** 1984 Mar;39(3):295–6
Techniques of tracheostomy for intensive care unit patients. Price DG. **Anaesthesia** 1983 Sep;38(9):902–4
Tracheostomy tube insertion and replacement [letter] Wright MM, et al. **Anaesthesia** 1984 Jul;39(7):717–8
Tracheal fenestration. An improved technique. Alvarado A. **Arch Surg** 1984 Feb;119(2):235–9
Treatment of sputum retention by minitracheotomy. Matthews HR, et al. **Br J Surg** 1984 Feb;71(2):147–50
Tracheostomy. Price HC, et al. **Ear Nose Throat J** 1983 Sep; 62(9):474–83
Cricothyroidotomy. Roven AN, et al. **Ear Nose Throat J** 1983 Sep;62(9):489–93
Tracheostomy in the sleep apnea syndrome. Simmons FB. **Ear Nose Throat J** 1984 May;63(5):222–6
Tracheostomy in infants and children. Tepas JJ 3d. **Ear Nose Throat J** 1983 Sep;62(9):484–8
Tracheostomy and the Björk flap [letter] McGregor IA, et al. **Lancet** 1983 Nov 26;2(8361):1259
Sleep apnea tracheotomy. Olsen KD, et al. **Laryngoscope** 1984 Apr;94(4):555–6
[Our concept of the formation and closure of a tracheostoma] Berghaus A, et al. **HNO** 1984 May;32(5):217–20 (Eng. Abstr.) **(Ger)**
[Our own surgical procedure for tracheomalacia] Gastinger I, et al. **Zentralbl Chir** 1984;109(13):895–9 **(Ger)**
[Reconstructive operations in combined diseases of the larynx and trachea] Avilova OM, et al. **Grudn Khir** 1983 Sep–Oct; (5):26–30 (Eng. Abstr.) **(Rus)**

MORTALITY

Local complications and mortality of adult tracheostomy. Schusterman M, et al. **J Ky Med Assoc** 1983 Dec; 81(12):885–8

NURSING

A post–insertion protocol for management of the Olympic Tracheostomy Button in neurosurgical patients. Shelly RW. **J Neurosurg Nurs** 1981 Dec;13(6):294–8
Clean vs. sterile tracheotomy care and level of pulmonary infection. Harris RB, et al. **Nurs Res** 1984 Mar–Apr; 33(2):80–5

UTILIZATION

CME program. Tracheotomy and inhalation injury. Sataloff DM, et al. **Head Neck Surg** 1984 Jul–Aug;6(6):1024–31 (25 ref.)

VETERINARY

Permanent tracheostomy for expired air collection in conscious dogs. Ritter JW. **Lab Anim Sci** 1984 Feb; 34(1):79–81
Tracheotomy in the horse: a photo essay. Krpan MK. **Mod Vet Pract** 1984 Jan;65(1):9–12

TRACHOMA

COMPLICATIONS

Corneal curvature and trachoma. Bhatia RP, et al. **Ann Ophthalmol** 1983 Apr;15(4):372–4
Effect of bacterial secondary infection in an animal model of trachoma. Taylor HR, et al. **Infect Immun** 1984 Jun; 44(3):614–6

DIAGNOSIS

Leprosy in a trachomatous population. Schwab IR, et al. **Arch Ophthalmol** 1984 Feb;102(2):240–4
Trachoma. Sowa SC. **Trop Doct** 1984 Jul;14(3):98–102

DRUG THERAPY

In vivo evaluation of ocular inserts of hydrogel impregnated with antibiotics for trachoma therapy. Hosaka S, et al. **Biomaterials** 1983 Oct;4(4):243–8
Ocular inserts for controlled release of antibiotics. Ozawa H, et al. **Biomaterials** 1983 Jul;4(3):170–4
Trachoma and oily tetracycline eye drops [letter] Tilmouth T, et al. **Med J Aust** 1984 Jan 21;140(2):119

ETIOLOGY

Studies on Chlamydia trachomatis. Chang HL. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):61–9

OCCURRENCE

Epidemiological study on trachoma in two regions of Ethiopia. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):147–55, 169–74 **(Eng, Fre)**
Potentials of the trachoma research. Mathur RP. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;59(4):185–96 **(Eng, Fre)**
Trachoma in South Africa. Ballard RC, et al. **Soc Sci Med** 1983;17(22):1755–65
The epidemiology of trachoma blindness in southern Africa. Kok PW. **Soc Sci Med** 1983;17(22):1709–13
[The problem of trachoma throughout the world] Cornand G. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):203–14 (Eng. Abstr.) **(Fre)**
[In which countries is trachoma a problem?] Pagès R. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):77–80 (Eng. Abstr.) **(Fre)**
[Trachoma in Mauritania (results of an epidemiologic inquiry in the Adar region)] Resnikoff S, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):97–110 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Unit dose erythromycin ophthalmic ointment for neonatal ocular prophylaxis. Bryant BG. **JOGN Nurs** 1984 Mar–Apr;13(2):83–7
Community participation in the control of trachoma in Gazankulu. Sutter EE, et al. **Soc Sci Med** 1983; 17(22):1813–7
[Trachoma dispensary as a non–hospital ophthalmologic care center] Starkov GL, et al. **Oftalmol Zh** 1983;38(3):139–41 (Eng. Abstr.) **(Rus)**

THERAPY

Aboriginal eye problems. Tamblyn DM. **Aust Fam Physician** 1984 Feb;13(2):112–3

TRACHOMA VIRUS see CHLAMYDIA TRACHOMATIS

TRACK AND FIELD

Cinematographical analysis of javelin throwing techniques of decathletes. Kunz H, et al. **Br J Sports Med** 1983 Sep; 17(3):200–4

Pattern of venous lactate and pyruvate after submaximal exercise in athletes training in different disciplines. Bhattacharya AK, et al. **Int J Sports Med** 1983 Nov; 4(4):252–4

Pathogenesis of a fracture of the distal femoral epiphysis. A case report. Grogan DP, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):621–2

Effects of seasonal training on anthropometry, flexibility, strength, and cardiorespiratory function on junior female track and field athletes. Song TM. **J Sports Med Phys Fitness** 1983 Jun;23(2):168–77

Olympic athletes may face extra challenge—pollution [news] Marwick C. **JAMA** 1984 May 18;251(19):2495–7

Use of separate hand locations to calculate ground reaction force exerted on a vaulting pole. Dapena J, et al. **Med Sci Sports Exerc** 1983;15(4):313–8

An estimation of the velocities of three take-off phases in 18-m triple jump. Fukashiro S, et al. **Med Sci Sports Exerc** 1983;15(4):309–12

TRACTION

Daily repeated traction in developing osteoarthritis. An experimental study in rabbits. Videman T, et al. **Ann Chir Gynaecol** 1983;72(4):200–6

Flexion contractures of the knee following poliomyelitis. Parekh PK. **Int Orthop** 1983;7(3):165–72

Short term results of Cotrel traction in the treatment of idiopathic scoliosis. Barry OC, et al. **Ir J Med Sci** 1983 Jul;152(7):279–82

Congenital dislocation of the hip in children. Comparison of the effects of femoral shortening and of skeletal traction in treatment. Schoenecker PL, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):21–7

Fritz Steinmann and the pin that bears his name. Romm S. **Plast Reconstr Surg** 1984 Aug;74(2):306–10

Intervertebral disc pressures during traction. Andersson GB, et al. **Scand J Rehabil Med [Suppl]** 1983;9:88–91

[The effect of naproxen compared with that of traction in patients with osteoarthrosis of the hip. A single-blind controlled study] Marques B, et al. **Ugeskr Laeger** 1983 Sep 12;145(37):2840–4 (Eng. Abstr.) **(Dan)**

[Traction therapy of osteoarthrosis of the hip. A controlled study] Nyfos L. **Ugeskr Laeger** 1983 Sep 12;145(37):2837–40 (Eng. Abstr.) **(Dan)**

[Multicenter study of the results of the extraction of transvenously implanted heart-pacemaker electrodes using continuous traction] Hutschenreiter W, et al. **Z Gesamte Inn Med** 1984 May 1;39(9):194–7 (Eng. Abstr.) **(Ger)**

[Comparison of results obtained with the preoperative correction using a plaster cast, Cotrel's traction or without correction, in the surgical treatment of idiopathic scoliosis] Bartolozzi P, et al. **Arch Putti Chir Organi Mov** 1983; 33:93–102 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Traction-induced hypertension in children. Hamdan JA, et al. **Clin Orthop** 1984 May;(185):87–9

Skull traction and its complications. Grundy DJ. **Injury** 1983 Nov;15(3):173–7

INSTRUMENTATION

Simple traction-immobilization device for CT scanners. Robertson J, et al. **AJR** 1983 Dec;141(6):1331

New traction devices to aid reduction of shoulder dislocations. Boger D, et al. **Ann Emerg Med** 1984 Jun; 13(6):423–5

Orthopaedic traction device—an analysis of forces. Olerud C. **Injury** 1984 Mar;15(5):341–6

Immobilization and reduction of the fractured spine [letter] Sukoff MH. **Neurosurgery** 1983 Oct;13(4):472–3

[Continuous mandibular traction as adjuvant treatment in dysmorphism] Souyris F, et al. **Rev Stomatol Chir Maxillofac** 1983;84(5):294–7 (Eng. Abstr.) **(Fre)**

[Implantable devices for lengthening the femur without external drive mechanisms] Bliskunov AI. **Med Tekh** 1984 Mar–Apr;(2):44–9 (Eng. Abstr.) **(Rus)**

[Functional apparatus for the closed reposition of congenital hip dislocation in children] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1984 Apr;(4):61–2 **(Rus)**

[Clamp for skeletal traction in preschool children] Kazitskii VM, et al. **Ortop Travmatol Protez** 1983 Oct;(10):65–6 **(Rus)**

[A clamp for skeletal traction] Kopysova VA, et al. **Ortop Travmatol Protez** 1984 Jun;(6):50–1 **(Rus)**

[Modification of the cramp for skeletal traction] Kulish NI, et al. **Ortop Travmatol Protez** 1984 Mar;(3):49–50 **(Rus)**

[Splint for treating fractures of the leg bones] Okhotskii VP, et al. **Ortop Travmatol Protez** 1984 Jan;(1):56–7 **(Rus)**

[Skeletal traction (skull-pelvis) using the Volkov-Oganesian apparatus in treating patients with rigid kyphoscoliosis] Stokov L. **Ortop Travmatol Protez** 1984 Jun;(6):46–8 **(Rus)**

[Method of instrumental correction in the orthopedic treatment of children with spastic cerebral palsy] Umkhanov KhA. **Ortop Travmatol Protez** 1984 Apr; (4):35–9 (Eng. Abstr.) **(Rus)**

[Apparatus correction of contractures of the joints of the lower limbs in patients with infantile cerebral palsy] Krasnov AF, et al. **Vestn Khir** 1984 May;132(5):87–91 (Eng. Abstr.) **(Rus)**

[Method of traction treatment of pain syndromes] Malikov VG. **Vrach Delo** 1983 Sep;(9):100–1 **(Rus)**

[Device for treating vertebrogenic lumbosacral radiculitis by the spinal traction method] Grechko VE, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1158–60 (Eng. Abstr.) **(Rus)**

METHODS

Home traction in the management of congenital dislocation of the hip. Voutsinas SA, et al. **Arch Orthop Trauma Surg** 1984;102(3):135–40

Use of spinal traction in the treatment of neck and back conditions. Saunders HD. **Clin Orthop** 1983 Oct;(179):31–8

The effect of gravitational traction on scoliosis of Duchenne progressive muscular dystrophy: a preliminary study. Hatano E, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):375–8

An improved traction system for fragile bones. Smith D. **Injury** 1984 Jan;15(4):280–1

Displaced supracondylar fractures of the humerus in children treated by overhead olecranon traction. Worlock PH, et al. **Injury** 1984 Mar;15(5):316–21

Therapeutic traction: a review of neurological principles and clinical applications. Fitz-Ritson D. **J Manipulative Physiol Ther** 1984 Mar;7(1):39–49 (36 ref.)

Mandibular traction for relieving respiratory distress in the Pierre Robin Anomaly. A case report. Wada T, et al. **J Maxillofac Surg** 1983 Aug;11(4):187–90

Gravity lumbar reduction. Stauffer TS. **J Neurosurg Nurs** 1981 Dec;13(6):299–302

Extracorporeal traction for fractures of the middle third of the face. Zachariades N, et al. **J Oral Maxillofac Surg** 1984 Feb;42(2):131–2

Edgware traction. Variation on a theme. Kernohan J, et al. **J R Coll Surg Edinb** 1984 Jan;29(1):52–3

Halo-clavicle traction. Appleby DM, et al. **J Trauma** 1984 May;24(5):452–5

Femoral fracture in children (a prospective study of two hundred and four fractures). Izhar-Ul-Haque, et al. **Med J Zambia** 1982 May–Jul;16(3):51–3

[Treatment of congenital hip dislocation in infants under 1 year by traction to the zenith. Technic and evaluation of our first 83 cases] Touzet P, et al. **Ann Chir** 1983 Dec; 37(9):660–9 (Eng. Abstr.) **(Fre)**

[Results in the treatment of dislocated hips with overhead extension in the dislocation stage] Bosselmann E, et al. **Beitr Orthop Traumatol** 1984 Jun;31(6):269–72 (Eng. Abstr.) **(Ger)**

[Extension of the spinal column in free suspension. Clinical, x-ray and electromyography studies] Pförringer W, et al. **MMW** 1983 Nov 25;125(47):1107–10 (Eng. Abstr.) **(Ger)**

[The urgency of special x-ray control in the conservative treatment of femoral fractures in childhood] Schmitz A, et al. **Unfallchirurgie** 1984 Feb;10(1):40–4 (Eng. Abstr.) **(Ger)**

[Effect of indirect axial traction of the tibia on cleft width of the knee joint] Patyk C, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):143–7 (Eng. Abstr.) **(Pol)**

[Blood vessels in different systems of limb traction (experimental study)] Ilizarov GA, et al. **Arkh Anat Gistol Embriol** 1984 May;86(5):49–55 (Eng. Abstr.) **(Rus)**

[Surgical treatment of posttraumatic contracture of the knee joint using a Volkov-Oganesian hinged distraction apparatus] Sukhonosenko VM. **Khirurgiia (Mosk)** 1984 Jan; (1):12–6 (Eng. Abstr.) **(Rus)**

[Method of stabilization of pins in the bone in skeletal traction] Abdrakhmanov AZh, et al. **Ortop Travmatol Protez** 1984 Jan;(1):52 **(Rus)**

[Effective use of spinal traction combined with mud applications in the complex treatment of patients with osteochondrosis and lumbar radicular syndrome] Zen'kovich PS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):17–9 (Eng. Abstr.) **(Rus)**

TRADE UNIONS see LABOR UNIONS

TRADITIONAL BIRTH ATTENDANT see MIDWIFERY

TRADITIONAL MEDICINE, ORIENTAL see MEDICINE, ORIENTAL TRADITIONAL

TRAGACANTH see under POLYSACCHARIDES

TRAIL MAKING TEST see under PSYCHOLOGICAL TESTS

TRAINING SUPPORT

Sending children to college on pre-tax dollars. Salerno TN. **Ariz Med** 1983 Nov;40(11):776–8

Training data. **Fed Proc** 1984 Jan;43(1):7a–10a

Financing graduate medical education in a competitive atmosphere. Powell PD, et al. **Hospitals** 1984 May 16; 58(10):93–4, 96–7

Scanlon loans bolster U. of I. student aid programs. Colangelo K, et al. **Iowa Med** 1984 Apr;74(4):166–7

Sources of financial aid for dental students. Solomon E. **J Dent Educ** 1984 Jun;48(6):323–4

Teaching and funding of primary care education in third-year clerkships. Berenbaum I, et al. **J Med Educ** 1984 Sep; 59(9):730–8

Financial assistance for medical students, 1982–83. Boerner RJ, et al. **J Med Educ** 1983 Dec;58(12):973–5

New threats to tax-exempt financing of student loan programs [editorial] Cooper JA. **J Med Educ** 1984 Jan; 59(1):64

Financial aid for medical students: a review and a proposal. Hall FR, et al. **J Med Educ** 1984 May;59(5):380–5

US state science: Californian scheme's success [news] Blakeslee S. **Nature** 1984 Apr 26–May 2;308(5962):767

NIH starts review of training programs. Culliton BJ. **Science** 1984 Jan 13;223(4632):149–50

ECONOMICS

The changing scene in medical education. Cooper JA. **Bull NY Acad Med** 1983 Jul–Aug;59(6):563–6

Financing medical education. The role of the profession. Fenninger LD. **Bull NY Acad Med** 1983 Jul–Aug; 59(6):560–2

The cost for students and the implications for medical practice. Hannum CF. **Bull NY Acad Med** 1983 Jul–Aug; 59(6):572–4

Corporate support of medical education. Lepow IH. **Bull NY Acad Med** 1983 Jul–Aug;59(6):600–2

Financing medical education. Financial aid. May JM. **Bull NY Acad Med** 1983 Jul–Aug;59(6):590–3

Private/public financing: the Smith Barney, Harris Upham proposal for health education financing. Pena E. **Bull NY Acad Med** 1983 Jul–Aug;59(6):594–9

'Ask not for whom the bell tolls': the impact of decreasing public support for medical education. Stimmel B. **Bull NY Acad Med** 1983 Jul–Aug;59(6):603–7

The impact of funding reductions on the student mix. Zimmerman VH. **Bull NY Acad Med** 1983 Jul–Aug; 59(6):567–71

Where will the resources for the fifth year come from? Colloton JW. **Hum Pathol** 1984 Aug;15(8):700–5

Establishing a financial counseling and debt management program at Georgetown University School of Dentistry. Dennis MJ. **J Dent Educ** 1983 Dec;47(12):757–60

The unhealthy financial aid situation for health science careers. Moore JB. **JNE** 1983 Sep;22(7):291–5

Nurturing the scientific enterprise. Wyngaarden JB. **Science** 1984 Jan 27;223(4634):361–4

EDUCATION

The effects of increasing tuition on admissions, students, and faculty at an expensive private medical school. Keimowitz RI. **Bull NY Acad Med** 1983 Jul–Aug;59(6):575–89

LEGISLATION & JURISPRUDENCE

Nursing's future: public policies, private actions. Aiken LH. **Am J Nurs** 1983 Oct;83(10):1440–4

Role of the legislature in financing medical education. Santora RQ. **Bull NY Acad Med** 1983 Jul–Aug;59(6):550–3

TRENDS

A privately financed loan program for medical students. Federal financial aid—an unsettled future. Hall FR, et al. **N Engl J Med** 1983 Nov 3;309(18):1129–31

TRAMADOL see under CYCLOHEXANOLS

TRANEXAMIC ACID see under CYCLOHEXANECARBOXYLIC ACIDS

TRANQUILIZING AGENTS

see related
HYPNOTICS AND SEDATIVES

Over-the-counter drugs: factors in adult use of sedatives, tranquilizers, and stimulants. Bell R. **Public Health Rep** 1984 May–Jun;99(3):319–23

[False emancipation, our diseases and tranquilizers; 1968 and their consequences] Kornhuber HH. **Lebensversicherungsmedizin** 1984 Mar 22;36(3):46–9 (Eng. Abstr.) **(Ger)**

[Changes in the hypophyseal-thyroid system of surgical patients operated on under ataralgesia] Togaibaev AA, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):25–7 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Hypnotics/tranquilizers. Guided reduction of consumption in a central hospital] Oy V, et al. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):109 (Eng. Abstr.) **(Nor)**

[Regulation of oxidative phosphorylation as a possible method of normalizing cerebral metabolism] Kresiun VI. **Biull Eksp Biol Med** 1983 Dec;96(12):37–40 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Depressive symptoms in chronic schizophrenic patients after withdrawal of long-acting neuroleptics. Wistedt B, et al. **J Clin Psychiatry** 1983 Oct;44(10):369–71

Excess nocturnal deaths related to sleeping pill and tranquilliser use [letter] Kripke DF, et al. **Lancet** 1984 Jan 14;1(8368):99

METABOLISM

[Clinical pharmacokinetics of mebikar] Serov NV, et al. **Farmakol Toksikol** 1984 May-Jun;47(3):94–7 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effects of drugs associated with hyperprolactinemia on plasma steroids and on steroid receptors and metabolism in human breast cancer. Mason RC, et al. **Breast Cancer Res Treat** 1983;3(4):331–8

Dopamine receptors involved in prolactin secretion pharmacologically characterized by means of 3-PPP enantiomers. Eriksson E, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):29–36

Effects of pirenperone and ketanserin on rat prolactin secretion in vivo and in vitro. Meltzer HY, et al. **Eur J Pharmacol** 1983 Aug 19;92(1-2):83–9

Development of new agents and techniques for intravenous analgesia. Thut PD. **J Dent Res** 1984 Jun;63(6):834–7

Tranquilizer reduces electric organ discharge frequency in a teleost fish. Kramer B. **Naturwissenschaften** 1984 Feb; 71(2):99–100

Effects of cholinergic and monoaminergic antagonists and tranquilizers upon spatial memory in rats. Hiraga Y, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):205–7

THERAPEUTIC USE

Comparison of efficacy of timiperone, a new butyrophenone derivative, and clocapramine in schizophrenia: a multiclinic double-blind study. Nakazawa T, et al. **J Int Med Res** 1983; 11(5):247–58

The place of tranquillisers in the management of stress. Tyrer P. **J Psychosom Res** 1983;27(5):385–90

[From the Veterinary Chief Inspection of Public Health and the Board of the Veterinary Service. The use of tranquilizers (calming agents) in slaughtering pigs] **Tijdschr Diergeneeskd** 1983 Dec 1;108(23):925 (Dut)

[Ataractic treatment in psychiatry and general medicine. Overview of preparations 6] Hertrich O. **Fortschr Med** 1983 Jul 28;101(27–28):1283–6 (Ger)

[Ataractic treatment in psychiatry and general practice. Drug preparations review, 7] Hertrich O. **Fortschr Med** 1983 Aug 11;101(30):1374–6 (Ger)

[Ataractic treatment in psychiatry and general medicine. Review of preparations. 9.] Hertrich O. **Fortschr Med** 1983 Oct 27;101(40):1828–30 (Ger)

[Ataractic treatment in psychiatry and general medicine. Drug overview 10] Hertrich O. **Fortschr Med** 1983 Nov 17;101(43):1974–6 (Ger)

[Differences in the action of typical and atypical tranquilizers on the structure and function of mitochondria during emotional-painful stress] Kresiun VI. **Biull Eksp Biol Med** 1984 Jun;97(6):649–53 (Eng. Abstr.) (Rus)

[Disorders in brain levels of macroergic substances during chronic stress and their correction by psychotropic agents] Kresiun VI. **Biull Eksp Biol Med** 1983 Sep;96(9):72–4 (Eng. Abstr.) (Rus)

[Mechanisms of the antishock action of mebikar] Zimakova IE, et al. **Farmakol Toksikol** 1984 Mar-Apr;47(2):28–32 (Eng. Abstr.) (Rus)

[Characteristics of the effects of tranquilizers in elderly patients] Tarnavskiĭ IuB. **Sov Med** 1983;(11):111–4 (Rus)

[Experience in the use of tazepam (nozepam) and antihistamine preparations in the treatment of pruritus] Skorinkina LE, et al. **Vestn Dermatol Venerol** 1983 Sep; (9):55–7 (Eng. Abstr.) (Rus)

[Psychotropic drugs in internal medicine. II. Tranquilizers] de la Fuente JR. **Rev Invest Clin** 1983 Oct-Dec; 35(4):315–25 (Eng. Abstr.) (Spa)

TOXICITY

Carcinogenicity studies in rodents and ripazepam, a minor tranquilizing agent. Fitzgerald JE, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):178–90

URINE

Analysis of propionylpromazine and its metabolites in horse urine. Dewey EA, et al. **Cornell Vet** 1984 Jan;74(1):38–49

TRANQUILIZING AGENTS, MAJOR

25th annual psychopharmacological meeting. Jesenik Spa, Czechoslovakia, January 1983. **Act Nerv Super (Praha)** 1984 Mar;26(1):9–96

Neuropharmacological profile of MD 790501, a new benzamide derivative. Jalfre M, et al. **Arch Int Pharmacodyn Ther** 1983 Aug;264(2):232–56

Sulpiride: an advance in neuroleptics? **Drug Ther Bull** 1984 Apr 20;22(8):31–2

Neuroleptic-like effects of ceruletide and cholecystokinin octapeptide: interactions with apomorphine, methylphenidate and picrotoxin. Zetler G. **Eur J Pharmacol** 1983 Oct 28;94(3–4):261–70

Is cholecystokinin an antipsychotic agent? [letter] Jenkins PL. **J Clin Psychiatry** 1984 Jul;45(7):317

Uniquely, gamma-endorphin induces an effect that is both opiate- and neuroleptic-like. van Ree JM, et al. **Life Sci** 1983;33 Suppl 1:619–22

Report from a World Health Organization (WHO) Collaborative Centre for Psychopharmacology in India. Survey of antipsychotic drugs use. Gada MT, et al. **Psychopharmacol Bull** 1983;19(4):778–80

Antidepressant versus neuroleptic activities of sulpiride isomers on four animal models of depression. Vaccheri A, et al. **Psychopharmacology (Berlin)** 1984;83(1):28–33

[Endorphins of the gamma type in the treatment of schizophrenic psychoses] Verhoeven WM, et al. **Acta Psychiatr Belg** 1984 Mar-Apr;84(2):160–72 (Eng. Abstr.) (Fre)

[Schizophrenia and prostaglandins. Therapeutic effects of precursors in the form of evening primrose oil (Oenothera)] Soulairac A, et al. **Ann Med Psychol (Paris)** 1983 Sep-Oct; 141(8):883–91 (Fre)

[Use of benzodiazepines in schizophrenic psychoses] Colonna L, et al. **Encephale** 1983;9(4 Suppl 2):279B–285B (Eng. Abstr.) (Fre)

[Clinical evaluation of caeruletide (883-S) in chronic schizophrenia] Kudo Y. **Seishin Shinkeigaku Zasshi** 1983; 85(11):797–801 (Jpn)

[Effect of DN-1417 (TRH analog) on schizophrenic patients] Mizuki Y, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(11):808–12 (Jpn)

[Patterns of cost and prescriptions in psychochemotherapy. Analysis of variations over a 5-year period] Delucia R, et al. **AMB** 1983 Nov-Dec;29(11-12):191–4 (Eng. Abstr.) (Por)

[Use of vasopressin the treatment of the paranoid form of schizophrenia] Bakharev VD, et al. **Zh Nevropatol Psikhiatr** 1984;84(1):88–92 (Eng. Abstr.) (Rus)

[Experience with the use of ketamine in psychiatric practice] Shpilenia LS. **Zh Nevropatol Psikhiatr** 1984;84(3):418–22 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Teflutixol (Lu 10-022): a new thioxanthene derivative with antipsychotic properties. A pilot study. Botte L. **Acta Psychiatr Belg** 1983 Jul-Aug;83(4):397–406

Different doses of neuroleptics for genetically different groups [letter] **Am J Psychiatry** 1984 Jan;141(1):156–8

Dissimilar dosing with high-potency and low-potency neuroleptics. Baldessarini RJ, et al. **Am J Psychiatry** 1984 Jun;141(6):748–52

Tardive dyskinesia. A discontinuation study. Glazer WM, et al. **Arch Gen Psychiatry** 1984 Jun;41(6):623–7

Standard v optimal dose [letter] Ostow M. **Arch Gen Psychiatry** 1984 Jul;41(7):726–7

Tardive dyskinesia and plasma homovanillic acid. Moore DC, et al. **Biol Psychiatry** 1983 Dec;18(12):1393–402

Propranolol in schizophrenia: a double blind, placebo controlled trial of propranolol as an adjunct to neuroleptic medication. Pugh CR, et al. **Br J Psychiatry** 1983 Aug; 143:151–5

A census of out-patients attending for 'depot' medication at a Glasgow Psychiatric Hospital. Turner GN. **Health Bull (Edinb)** 1984 May;42(3):141–5

The issue of informed consent and the use of neuroleptic medications. Turnquist AC. **Int J Nurs Stud** 1983; 20(3):181–6

Patterns of psychotropic drug use and tardive dyskinesia. Branchey M, et al. **J Clin Psychopharmacol** 1984 Feb; 4(1):41–5

Combined use of different antipsychotic drugs [letter] Glickman L. **JAMA** 1984 May 25;251(20):2657–8

Neuroleptic treatment in tardive dyskinesia: can it be developed into a clinical strategy for long-term treatment? Casey DE, et al. **Mod Probl Pharmacopsychiatry** 1983; 21:65–79

Psychopharmacological treatment of children with the syndrome of autism. Campbell M, et al. **Pediatr Ann** 1984 Apr;13(4):309–13, 316

Developing and maintaining adherence to long-term drug-taking regimens. Falloon IR. **Schizophr Bull** 1984; 10(3):412–7

[Local muscle reaction after injection of depot neuroleptics or antiparkinson drugs. Experimental study in rabbits with injection at the same injection site] Svendsen O. **Ugeskr Laeger** 1983 Aug 29;145(35):2660–2 (Eng. Abstr.) (Dan)

[Value of dogmatil in schizophrenic states in the adolescent] Dalery J, et al. **Neuropsychiatr Enfance Adolesc** 1984 Feb-Mar;32(2-3):135–7 (Eng. Abstr.) (Fre)

[Long-term use of 200 mg Dogmatil. Apropos of 13 cases] Planche R. **Sem Hop Paris** 1984 Mar 22;60(13):944–8 (Eng. Abstr.) (Fre)

[What should we recommend for schizophrenic patients: long-term drug prevention or interval treatment?] Müller P. **Nervenarzt** 1983 Sep;54(9):477–85 (Ger)

ADVERSE EFFECTS

Fatal complications of neuroleptic drugs. A clinico-pathological study of three cases. Surmont DW, et al. **Acta Neurol Belg** 1984 Mar-Apr;84(2):75–83

Neuroleptic neurotoxicity; electro-clinical aspects. van Sweden B. **Acta Neurol Scand** 1984 Mar;69(3):137–46

Geriatric psychopharmacology. Pies R. **Am Fam Physician** 1983 Oct;28(4):171–6

Neuroleptic malignant syndrome. Patient with unique clinical and physiologic features. Downey GP, et al. **Am J Med** 1984 Aug;77(2):338–40

Another view of calcium and extrapyramidal side effects [letter] Bailie GR, et al. **Am J Psychiatry** 1983 Nov; 140(11):1537–8

Tardive dyskinesia and other clinical consequences of neuroleptic treatment in children and adolescents. Gualtieri CT, et al. **Am J Psychiatry** 1984 Jan;141(1):20–3

Case report of a possible interaction between neuroleptics and carbamazepine. Kanter GL, et al. **Am J Psychiatry** 1984 Sep;141(9):1101–2

A comparison of two iatrogenic dyskinesias. Karson CN, et al. **Am J Psychiatry** 1983 Nov;140(11):1504–6

Treating neuroleptic malignant syndrome [letter] Lazarus A. **Am J Psychiatry** 1984 Aug;141(8):1014–5

Methylphenidate challenge as a predictor of relapse in schizophrenia. Lieberman JA, et al. **Am J Psychiatry** 1984 May;141(5):633–8

Propranolol in the treatment of neuroleptic-induced akathisia. Lipinski JF Jr, et al. **Am J Psychiatry** 1984 Mar; 141(3):412–5

Case report of neuroleptic malignant syndrome associated with withdrawal from amantadine. Simpson DM, et al. **Am J Psychiatry** 1984 Jun;141(6):796–7

Neuroleptic malignant syndrome with a positive Weil-Felix test [letter] Smith JA 3d, et al. **Am J Psychiatry** 1984 Apr; 141(4):609

Recognition and treatment of rabbit syndrome, an uncommon complication of neuroleptic therapies. Todd R, et al. **Am J Psychiatry** 1983 Nov;140(11):1519–20

Tardive dyskinesia. Tarsy D, et al. **Annu Rev Med** 1984; 35:605–23 (78 ref.)

Errors in administration of the dexamethasone suppression test [letter] Dewan MJ, et al. **Arch Gen Psychiatry** 1984 Jul;41(7):725–6

Initial anticholinergic prophylaxis for neuroleptic-induced extrapyramidal syndromes. Keepers GA, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1113–7

Neuroleptics as causes of oculogyric crises [letter] Dorevitch A. **Arch Neurol** 1984 Jan;41(1):15–6

Computerized tomography in tardive dyskinesia. Evidence of structural abnormalities in the basal ganglia system. Bartels M, et al. **Arch Psychiatr Nervenkr** 1983;233(5):371–9

A short survey on untoward effects of fluperlapine. Müller-Oerlinghausen B. **Arzneimittelforsch** 1984; 34(1A):131–4

Asymmetry of abnormal involuntary movements: a prevalence study. Myslobodsky MS, et al. **Biol Psychiatry** 1984 Apr;19(4):623–8

Acoustic parameters of voice and neuroleptic medication. Nevlud GN, et al. **Biol Psychiatry** 1983 Sep;18(9):1081–4

Do neuroleptics cause depression? Roy A. **Biol Psychiatry** 1984 May;19(5):777–81

The lateralization of tardive dyskinesia. Wilson RL, et al. **Biol Psychiatry** 1984 Apr;19(4):629–35

The clinical association of tardive dyskinesia and drug-induced parkinsonism. Wolf ME, et al. **Biol Psychiatry** 1983 Oct;18(10):1181–8

Depression as a predictor in the development of tardive dyskinesia. Yassa R, et al. **Biol Psychiatry** 1984 Mar; 19(3):441–4

Decreased extrapyramidal side effects and polypsichopharmacy in family practice outpatients. Holt RJ. **Bol Asoc Med PR** 1983 Aug;75(8):351–2

Clinical characteristics of akathisia. A systematic investigation of acute psychiatric inpatient admissions. Braude WM, et al. **Br J Psychiatry** 1983 Aug;143:139–50

Neuroleptic malignant syndrome [letter] Cope RV. **Br J Psychiatry** 1983 Aug;143:202–3

Neuroleptic malignant syndrome [letter] Cummins P. **Br J Psychiatry** 1984 May;144:556

Neuroleptic malignant syndrome [letter] Hari Singh T. **Br J Psychiatry** 1984 Jul;145:98

Liver cross-sensitivity to antipsychotic drugs [letter] Kennedy P. **Br J Psychiatry** 1983 Sep;143:312

Dantrolene for neuroleptic malignant syndrome [letter] Scott J. **Br J Psychiatry** 1984 Jan;144:98

Treatment of neuroleptic malignant syndrome [letter] White PD. **Br J Psychiatry** 1984 Apr;144:437

Neuroleptic malignant syndrome [editorial] Szabadi E. **Br Med J [Clin Res]** 1984 May 12;288(6428):1399–400

Tardive dyskinesia and treatment of psychosis after withdrawal of neuroleptics. Baskett SJ. **Brain Res Bull** 1983 Aug;11(2):173–4

Dyskinesias in the geriatric population. Blowers AJ, et al. **Brain Res Bull** 1983 Aug;11(2):175–8

Treatment of acute neuroleptic-induced dyskinesia [letter] Jeffries JJ. **Can J Psychiatry** 1983 Aug;28(5):415

Pre-existing uninhibited bladder facilitating drug-induced enuresis: four case reports. Schwarcz G. **Can J Psychiatry** 1983 Oct;28(6):489–90

Tardive dyskinesia in an outpatient population: prevalence and predisposing factors. Yassa R, et al. **Can J Psychiatry** 1983 Aug;28(5):391–4

Role of amantadine in the management of neuroleptic-induced extrapyramidal syndromes: overview

and pharmacology. Allen RM. **Clin Neuropharmacol** 1983; 6 Suppl 1:S64–73 (52 ref.)
Neuroleptic-induced dyskinesias in children. Campbell M, et al. **Clin Neuropharmacol** 1983;6(3):207–22
The reversibility of 'permanent' tardive dyskinesia. Klawans HL, et al. **Clin Neuropharmacol** 1984;7(2):153–9
Neuroleptic malignant syndrome. Kurlan R, et al. **Clin Neuropharmacol** 1984;7(2):109–20 (65 ref.)
Quantitative assessment of neuroleptic-induced extrapyramidal symptoms: clinical and nonclinical approaches. May PR, et al. **Clin Neuropharmacol** 1983;6 Suppl 1:S35–51
Neuroleptic-induced extrapyramidal reactions: classification, description, and diagnosis. Tarsy D. **Clin Neuropharmacol** 1983;6 Suppl 1:S9–26 (57 ref.)
Detection and management of the neuroleptic malignant syndrome [clinical conference] Bond WS. **Clin Pharm** 1984 May–Jun;3(3):302–7
Neuroleptic-associated catatonic reaction. Dorevitch A, et al. **Clin Pharm** 1983 Nov–Dec;2(6):581–2
The neuroleptic malignant syndrome: presentation and treatment. Birkhimer LJ, et al. **Drug Intell Clin Pharm** 1984 Jun;18(6):462–5 (38 ref.)
Therapy of syndrome malin. Conner CS. **Drug Intell Clin Pharm** 1983 Sep;17(9):639–40
Sudden death and antipsychotic drugs. Brown RP, et al. **Hosp Community Psychiatry** 1984 May;35(5):486–91
Neuroleptic malignant syndrome and neuroleptic-induced catatonia: differential diagnosis and treatment. Stoudemire A, et al. **Int J Psychiatry Med** 1984;14(1):57–63
Seborrheic dermatitis: a newly reported side effect of neuroleptics. Binder RL, et al. **J Clin Psychiatry** 1984 Mar; 45(3):125–6
Coexistence of severe parkinsonism and tardive dyskinesia as side effects of neuroleptic therapy. Bitton V, et al. **J Clin Psychiatry** 1984 Jan;45(1):28–30
Tardive akathisia. Weiner WJ, et al. **J Clin Psychiatry** 1983 Nov;44(11):417–9
Treatments for neuroleptic malignant syndrome [letter] West AP. **J Clin Psychiatry** 1984 Mar;45(3):144
High potency neuroleptics and akathisia [letter] Ayd FJ Jr. **J Clin Psychopharmacol** 1984 Aug;4(4):237
Pharmacogenic depression among outpatient schizophrenic patients: a failure to substantiate. Hogarty GE, et al. **J Clin Psychopharmacol** 1984 Feb;4(1):17–24
Neuroleptic drug-induced changes in platelet levels. Holt RJ. **J Clin Psychopharmacol** 1984 Jun;4(3):130–2
Torsade de pointes: a mechanism for sudden death associated with neuroleptic drug therapy? Liberatore MA, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):143–6
The clinical use of anticholinergic drugs as treatment for extrapyramidal side effects of neuroleptic drugs. McEvoy JP. **J Clin Psychopharmacol** 1983 Oct;3(5):288–302
Distinguishing akathisia and tardive dyskinesia: a review of the literature. Munetz MR, et al. **J Clin Psychopharmacol** 1983 Dec;3(6):343–50 (73 ref.)
Rhabdomyolysis complicating rapid intramuscular neuroleptization. Thase ME, et al. **J Clin Psychopharmacol** 1984 Feb;4(1):46–8
The neuroleptic syndrome and central dopamine metabolites. Tollefson GD, et al. **J Clin Psychopharmacol** 1984 Jun; 4(3):150–3
Narcolepsy, paranoid psychosis, major depression, and tardive dyskinesia. Schrader G, et al. **J Nerv Ment Dis** 1984 Jul;172(7):439–41
Neuroleptic malignant syndrome [letter] Feldman J. **JAMA** 1984 Feb 10;251(6):727–8
Neuroleptic malignant syndrome [editorial] **Lancet** 1984 Mar 10;1(8376):545–6
Neuroleptic-induced akathisia [letter] Kuehnle JC. **Lancet** 1983 Nov 26;2(8361):1254
Neuroleptic malignant syndrome [letter] Duke M. **Med J Aust** 1984 Aug 4;141(3):198–9
Neuroleptic malignant syndrome. Knezevic W, et al. **Med J Aust** 1984 Jan 7;140(1):28–30
Neuroleptic malignant syndrome: a review. Dallman JH. **Milit Med** 1984 Aug;149(8):471–3
Does tardive dyskinesia exist? Crow TJ, et al. **Mod Probl Pharmacopsychiatry** 1983;21:206–19
Reversible tardive dyskinesia: implications for therapeutic strategy and prevention of tardive dyskinesia. Jeste DV, et al. **Mod Probl Pharmacopsychiatry** 1983;21:34–48 (53 ref.)
An early phase II trial with L-deprenyl for the treatment of neuroleptic-induced parkinsonism. Perényi A, et al. **Pharmacopsychiatria** 1983 Sep;16(5):143–6
Drug-induced acute dystonic reactions in children. Alternatives to diphenhydramine therapy. Dahiya U, et al. **Postgrad Med** 1984 Apr;75(5):286–7, 290
Persistent akathisia associated with early tardive dyskinesia. Barnes TR, et al. **Postgrad Med J** 1984 May;60(703):359–61
Abnormal involuntary movements in patients on long-acting neuroleptics. Oyewumi LK, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):719–23
Two distinct 'paradoxical' reactions to neuroleptics. Brodsky L, et al. **Psychiatr J Univ Ottawa** 1984 Jun;9(2):61–4
Plasma homovanillic acid and tardive dyskinesia during neuroleptic maintenance and withdrawal. Kirch D, et al. **Psychiatry Res** 1983 Jul;9(3):217–23
Persistent tardive dyskinesia in randomly assigned neuroleptic reduction, neuroleptic nonreduction, and no-neuroleptic history groups: preliminary results. Kalachnik JE, et al. **Psychopharmacol Bull** 1984 Winter; 20(1):27–32
Incidence of tardive dyskinesia: five-year data from a prospective study. Kane JM, et al. **Psychopharmacol Bull** 1984 Winter;20(1):39–40
Side effect potentials of different antipsychotic and antidepressant drugs. Rhoades HM, et al. **Psychopharmacol Bull** 1984 Winter;20(1):83–8
Variation in oro-facial tardive dyskinesia during depot antipsychotic drug treatment. Barnes TR, et al. **Psychopharmacology (Berlin)** 1983;81(4):359–62
Coarse, jerky foot tremor: tremographic investigation of an objective sign of acute akathisia. Braude WM, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):95–101
The neuroleptic malignant syndrome. A priority system. Neppe VM. **S Afr Med J** 1984 Mar 31;65(13):523–5
Tardive dysmentia: a reappraisal. Mukherjee S. **Schizophr Bull** 1984;10(2):151–3
Guidelines for combination of lithium and neuroleptics. Campbell HD, et al. **Tex Med** 1983 Sep;79(9):60–2
The neuroleptic malignant syndrome. Kimsey LR, et al. **Tex Med** 1983 Oct;79(10):54–5
[The enhanced neuroleptic therapy and malignant syndrome] Jiang ZN. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Apr; 16(2):84–6 (Eng. Abstr.) **(Chi)**
[Cannabis/neuroleptics interaction in schizophrenic patients] Knudsen P, et al. **Ugeskr Laeger** 1984 Apr 23; 146(17):1286–91 (Eng. Abstr.) **(Dan)**
[Complications observed during use of lithium salt-neuroleptic combinations; comparative study of clinical evolution, EEG and pharmacokinetics] Granier F, et al. **Ann Med Psychol (Paris)** 1983 Sep–Oct; 141(8):891–908 **(Fre)**
[Therapeutic trial of gamma-vinyl GABA, an inhibitor of GABA transaminase, in tardive dyskinesias induced by neuroleptics] Lambert PA, et al. **Encephale** 1982;8(3):371–6 (Eng. Abstr.) **(Fre)**
[Tardive dyskinesias] Mignot G. **Encephale** 1983;9(2):151–66 (Eng. Abstr.) **(Fre)**
[Malignant neuroleptic syndrome] Devos P, et al. **LARC Med** 1984 May;4(5):316–9 **(Fre)**
[Neuroleptic malignant syndrome. Efficacy of bromocriptine (letter)] Azorin JM, et al. **Presse Med** 1984 Jun 30; 13(27):1702 **(Fre)**
[Drug interactions with centrally acting agents. 4: Drug interactions of neuroleptics and antidepressive agents] Estler CJ. **Fortschr Med** 1984 Mar 8;102(9):238–40 **(Ger)**
[Gangrene of the extremities following intravenous injection of neuroleptics] Möller HJ. **Nervenarzt** 1984 Jan;55(1):43–5 **(Ger)**
[Neuroleptic drugs and trophic disorders] Vitorović M, et al. **Nervenarzt** 1984 Jan;55(1):51–3 **(Ger)**
[Psychomotor performance of schizophrenic patients and long-term neuroleptic therapy] Burr W, et al. **Psychiatr Clin (Basel)** 1983;16(5–6):316–23 (Eng. Abstr.) **(Ger)**
[Current status of our knowledge of the neurotropic side effects of neuroleptic drugs] Sabbatini F, et al. **Minerva Psichiatr** 1983 Oct–Dec;24(4):145–53 (50 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

[Determination of tricyclic antidepressives and neuroleptics in tablets using HPLC] Thoma K, et al. **Arch Pharm (Weinheim)** 1984 Feb;317(2):133–6 (Eng. Abstr.) **(Ger)**
[Possibilities for detecting low dosage and highly active drugs in the butyrophenone and diphenylbutylpiperidine series] Aderjan R, et al. **Beitr Gerichtl Med** 1984;42:81–4 (Eng. Abstr.) **(Ger)**
[Colloidal association of tri- and tetracyclic antidepressives and neuroleptics. 7. Studies on the thermostability of clopenthixol-di HCl] Thoma K, et al. **Pharm Acta Helv** 1984;59(8):213–5 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Effects of salmon calcitonin administration on spontaneous or neuroleptically-induced dyskinesias. Nicoletti F, et al. **Acta Neurol (Napoli)** 1983 Oct;5(5):380–4
Cannabis and neuroleptic agents in schizophrenia. Knudsen P, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):162–74
Intravenous lorazepam in neuroleptic-induced catatonia. Fricchione GL, et al. **J Clin Psychopharmacol** 1983 Dec; 3(6):338–42
[Treatment of tardive dyskinesia caused by neuroleptics] Piccinin GL, et al. **Riv Neurol** 1984 May–Jun;54(3):199–215 (87 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Within-individual variation in steady state plasma levels of different neuroleptics and prolactin. McCreadie RG, et al. **Br J Psychiatry** 1984 Jun;144:625–9
Radioreceptor assay of neuroleptics in refractory chronic schizophrenic patients. Lindenmayer JP, et al. **J Clin Psychiatry** 1984 Mar;45(3):117–9
Serum effects confound the neuroleptic radioreceptor assay. Mailman RB, et al. **Life Sci** 1984 Mar 12;34(11):1057–64
Dosage and blood levels of neuroleptics in tardive dyskinesia. Smith RC, et al. **Mod Probl Pharmacopsychiatry** 1983; 21:87–96 (21 ref.)
Neuroleptic blood levels in outpatient maintenance therapy of schizophrenia. Sajadi C, et al. **Psychopharmacol Bull** 1984 Winter;20(1):110–3
Serum neuroleptic activity, prolactin, and tardive dyskinesia in schizophrenic outpatients. Csernansky JG, et al. **Psychopharmacology (Berlin)** 1983;81(2):115–8
Serum neuroleptic concentrations and clinical response: a radioreceptor assay investigation of acutely psychotic patients. Kucharski LT, et al. **Psychopharmacology (Berlin)** 1984;82(3):194–8
Blood and plasma kinetics of cis(Z)-clopenthixol and fluphenazine in psychiatric patients after intramuscular injection of their decanoic esters. Viala A, et al. **Psychopharmacology (Berlin)** 1984;83(2):147–50
Blood level measurement of psychoactive drugs in pediatric psychiatry. Gualtieri CT, et al. **Ther Drug Monit** 1984; 6(2):127–41 (129 ref.)
[Clinical correlates of neuroleptic blood levels] Zohar J, et al. **Harefuah** 1984 Jan 15;106(2):77–81 **(Heb)**

CHEMICAL SYNTHESIS

Potential neuroleptic agents. 2. Synthesis and dopamine blocking activity of some new 2,6-dimethoxybenzamide derivatives. Florvall L, et al. **Acta Pharm Suec** 1983; 20(5):365–70
Basic derivatives of 5-benzoyl-10,11-dihydro-5H-dibenz[b,f]azepine. Valenti P, et al. **Arch Pharm (Weinheim)** 1983 Dec;316(12):1018–23
Synthesis and pharmacological study of the thiophene analogue of taclamine, QM-7184, a new neuroleptic drug with potent alpha-adrenoceptor blocking activity. Arribas E, et al. **Arzneimittelforsch** 1983;33(10):1417–21
Synthesis and neuroleptic activity of N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxy-5-sulfonamides. Ogata M, et al. **J Med Chem** 1984 Sep;27(9):1137–41
[Synthesis of phenhomazine derivatives] Wang CY, et al. **Yao Hsueh Hsueh Pao** 1983 Oct;18(10):746–51 (Eng. Abstr.) **(Chi)**

CLASSIFICATION

Neuroleptic classification: implications for tardive dyskinesia. Hyttel J, et al. **Mod Probl Pharmacopsychiatry** 1983; 21:49–64
[Clinical effects of neuroleptics] Vovin RIa. **Zh Nevropatol Psikhiatr** 1984;84(3):413–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Differential affinities of molindone, metoclopramide and domperidone for classes of [3H]spiroperidol binding sites in rat striatum: evidence for pharmacologically distinct classes of receptors. Rosenfeld MR, et al. **Brain Res** 1982 Mar 4;235(1):205–11
Selective and stereospecific interactions of R-SK & F 38393 with [3H]piflutixol but not [3H]spiperone binding to striatal D1 and D2 dopamine receptors: comparisons with SCH 23390. O'Boyle KM, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3–4):433–6
Interactions of neuroleptic compounds at alpha 2-adrenergic receptor affinity states in bovine caudate nucleus. Perry BD, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):315–8
Future of depot neuroleptic therapy: pharmacokinetic and pharmacodynamic approaches. Ereshefsky L, et al. **J Clin Psychiatry** 1984 May;45(5 Pt 2):50–9 (74 ref.)
Neuroleptic affinities for human brain receptors and their use in predicting adverse effects. Richelson E. **J Clin Psychiatry** 1984 Aug;45(8):331–6
Selective binding of YM-09151-2, a new potent neuroleptic, to D2-dopaminergic receptors. Terai M, et al. **Jpn J Pharmacol** 1983 Aug;33(4):749–55
[Biochemistry of drugs. 31. Pharmacokinetics of the labeled neuroleptic 3-fluoro-10-[4-(2-hydroxyethyl)piperazino]8-isopropyl-10,11-dihydrodibenzo[b,f]thiepine—[10-14C]-isofloxythepine after a single oral dose and intravenous administration in rats] Franc Z, et al. **Cesk Farm** 1983 Dec;32(9–10):326–31 (Eng. Abstr.) **(Cze)**
[Neuroleptics in geriatrics. Pharmacological criteria for a responsible choice and a correct use] van Wielink PS. **Tijdschr Gerontol Geriatr** 1984 Apr;15(2):73–80 (44 ref.) (Eng. Abstr.) **(Dut)**
[Endogenous neuroleptics] Restian E, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Oct–Dec; 28(4):241–50 (63 ref.) **(Rum)**

PHARMACODYNAMICS

Behavioural data suggesting the plurality of central dopamine receptors. Costentin J, et al. **Adv Biochem Psychopharmacol** 1983;37:289–97
Intrinsic heart rate in the dog determined by pharmacologic denervation. Brunsting JR, et al. **Am J Physiol** 1983 Oct; 245(4):H592–7
Biochemical, functional and behavioral evaluation of a series of novel antipsychotic-like agents. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):23–37
Interactions between anticholinesterase agents and neuroleptics in terms of cholinesterase inhibition in brain and other tissues of rats. Michalek H, et al. **Arch Toxicol [Suppl]** 1983;6:386–90
Pharmacology of fluperlapine compared with clozapine.

Eichenberger E. **Arzneimittelforsch** 1984;34(1A):110–3
Pharmaco-EEG studies with fluperlapine. Matejcek M, et al. **Arzneimittelforsch** 1984;34(1A):114–20
Inhibition of cholera toxin–induced secretion by neuroleptics. Larsen JJ, et al. **Biochem Soc Trans** 1984 Apr;12(2):211–4
Development of tolerance to neuroleptic–induced decreases in blink rate. Mueser KT, et al. **Biol Psychiatry** 1984 Apr; 19(4):617–21
Effects of various antipsychotic drugs upon the striatal concentrations of para–hydroxyphenylacetic acid and meta–hydroxyphenylacetic acid in the mouse. Juorio AV, et al. **Br J Pharmacol** 1983 Nov;80(3):581–5
The actions of antipsychotic drugs on dopamine receptors in the rat substantia nigra. Pinnock RD. **Br J Pharmacol** 1984 Apr;81(4):631–5
Regional selectivity of neuroleptic drugs: an argument for site specificity. Borison RL, et al. **Brain Res Bull** 1983 Aug; 11(2):215–8
Effect of l–tetrahydropalmatine on sleep–waking cycle of cats. Buda C, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):5–8
Effects of acute administration of zetidoline, a new antidopaminergic drug, on plasma prolactin and aldosterone levels in man. Barbieri C, et al. **Eur J Clin Pharmacol** 1984;26(1):29–32
Direct in vivo electrochemical monitoring of dopamine release in response to neuroleptic drugs. Blaha CD, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):113–7
Homovanillic acid in caudate and pre–frontal cortex following neuroleptics. Bowers MB Jr. **Eur J Pharmacol** 1984 Mar 16;99(1):103–5
The production of asymmetry and circling behaviour following unilateral, intrastriatal administration of neuroleptic agents: a comparison of abilities to antagonise striatal function. Costall B, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):79–86
Cholecystokinin octapeptide levels in rat brain are changed after subchronic neuroleptic treatment. Frey P. **Eur J Pharmacol** 1983 Nov 11;95(1–2):87–92
Evidence that apomorphine and pergolide induce rotation in rats by different actions on D1 and D2 receptor sites. Herrera–Marschitz M, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):165–76
The chemical basis for the blockade of the D–1 dopamine receptor by SCH 23390. Itoh Y, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):119–22
Neuroleptics have identical potencies in human brain limbic and putamen regions. Seeman P, et al. **Eur J Pharmacol** 1983 Oct 14;94(1–2):145–8
In rats, the behavioral profile of CCK–8 related peptides resembles that of antipsychotic agents. Van Ree JM, et al. **Eur J Pharmacol** 1983 Sep 16;93(1–2):63–78
Separation of peripheral dopamine receptors by a selective DA1 antagonist, SCH 23390. Goldberg LI, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I25–30
Determination of pharmacodynamics of the new neuroleptic zetidoline by neuroendocrinologic, pharmaco–EEG, and psychometric studies—Part I. Saletu B, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):489–95
Determination of pharmacodynamics of the new neuroleptic zetidoline by neuroendocrinologic, pharmaco–EEG, and psychometric studies: Part II. Saletu B, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):544–51
Design, synthesis, and X–ray data of novel potential antipsychotic agents. Substituted 7–phenylquinolizidines: stereospecific, neuroleptic, and antinociceptive properties. Imhof R, et al. **J Med Chem** 1984 Feb;27(2):165–75
Effects of retinal and pineal low molecular weight fractions and antipsychotic drugs on hydroxyindole–O–methyltransferase. Cremer–Bartels G, et al. **J Neural Transm** 1983;58(1–2):107–19
Metabolites of an antipsychotic chiral pyrroloisoquinoline and their effect on prolactin secretion in the rat. Kolis SJ, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):652–7
Comparison of susceptibilities to the effects of antipsychotic drugs on lever–press avoidance responses between mice and rats. Kuribara H, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1127–33
Effect of zotepine on fenfluramine–induced hyperthermia in rats. Satoh H, et al. **Jpn J Pharmacol** 1984 Feb;34(2):261–3
Effect of repeated treatment with desipramine in the behavioral 'despair' test in rats: antagonism by 'atypical' but not 'classical' neuroleptics or antiadrenergic drugs. Borsini F, et al. **Life Sci** 1984 Mar 19;34(12):1171–6
Pharmacological effects of a specific dopamine D–1 antagonist SCH 23390 in comparison with neuroleptics. Christensen AV, et al. **Life Sci** 1984 Apr 16;34(16):1529–40
Unusual acute effects of antidepressants and neuroleptics on S2–serotonergic receptors. Helmeste DM, et al. **Life Sci** 1983 Dec 19;33(25):2527–33
Sulpiride: assessment of a pharmacologically and chemically distinct neuroleptic. Rich TD. **Med Hypotheses** 1984 May; 14(1):69–81
Selection of dopamine antagonists discriminating various behavioral responses and radioligand binding sites. Martres MP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb;325(2):102–15
Effects of antipsychotic drugs on the long–term effects of amphetamine on nigro–striatal dopamine neurons in iprindole–treated rats. Steranka LR. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):198–204
Calcium channel activity in rat brain synaptosomes: effects of neuroleptics and other factors regulating phosphorylation and transmitter release. Hoss W, et al. **Neurochem Res** 1984 Jan;9(1):109–20
Long–term consequences of antagonism by neuroleptics of behavioural events occurring during mesolimbic dopamine infusion. Costall B, et al. **Neuropharmacology** 1984 Mar; 23(3):287–94
Effects of neuroleptics on phencyclidine (PCP)–induced locomotor stimulation in mice. Freed WJ, et al. **Neuropharmacology** 1984 Feb;23(2A):175–81
Can neuroleptics influence the function of the brain hemispheres asymmetrically? Fritze J. **Neuropharmacology** 1984 Jan;23(1):79–82
Suitability of amfonelic acid–induced locomotor stimulation in mice as a model for the evaluation of classical and atypical antipsychotics. Menon MK, et al. **Neuropharmacology** 1984 May;23(5):555–61
Blockade of tetanic– and calcium–induced long–term potentiation in the hippocampal slice preparation by neuroleptics. Mody I, et al. **Neuropharmacology** 1984 Jun; 23(6):625–31
Potential locus and mechanism of blockade of conditioned avoidance responding by neuroleptics. Petty F, et al. **Neuropharmacology** 1984 Jan;23(1):73–8
Effects of neuroleptic drugs on brain somatostatin–like–immunoreactivity. Beal MF, et al. **Neurosci Lett** 1984 Jun 15;47(2):125–30
A comparison of the effects of acute and one year's continuous neuroleptic treatment on the release of [3H]glutamate and [3H]acetylcholine from rat striatal slices. Kerwin RW, et al. **Neuroscience** 1984 Jan;11(1):205–10
Effects of naloxone and neuroleptic drugs on muscle rigidity and heart rate of the nervous Pointer dog. Shideler CE, et al. **Pavlov J Biol Sci** 1983 Oct–Dec;18(4):211–5
Affinity for the dopamine D2 receptor predicts neuroleptic potency in blocking the reinforcing effect of MFB stimulation. Gallistel CR, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):867–72
Cataleptogenic potency of the antipsychotic drugs is inversely correlated with neuronal activity in the amygdaloid complex of the rat. Rebec GV, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):759–63
Prolactin–releasing effect of zetidoline, a new neuroleptic agent, in the rat. Galliani G, et al. **Pharmacol Res Commun** 1984 Feb;16(2):117–27
Effects of 6–hydroxydopamine–induced lesions of A10 dopaminergic neurons and neuroleptic or bromocriptine treatment on ethanol withdrawal syndrome in rats. Trzaskowska E, et al. **Pol J Pharmacol Pharm** 1983 Sep–Oct;35(5):339–49
Sigma opiates and certain antipsychotic drugs mutually inhibit (+)–[3H] SKF 10,047 and [3H]haloperidol binding in guinea pig brain membranes. Tam SW, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5618–21
Differential actions of classical and atypical neuroleptics on mouse nigrostriatal neurons. Wood PL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):765–8
Psychiatric drugs and the somatosensory P400 wave. Josiassen RC, et al. **Psychiatry Res** 1984 Feb;11(2):151–62
Effect of subchronic treatment with neuroleptic, imipramine, and the combination on serotonin receptor binding in rat cerebral cortex. Andree TH, et al. **Psychopharmacol Bull** 1984 Summer;20(3):349–53
Sex differences in response to psychopharmacological interventions in humans. Halbreich U, et al. **Psychopharmacol Bull** 1984 Summer;20(3):526–30
Reduction of nigral glutamic acid decarboxylase in rats with neuroleptic–induced oral dyskinesia. Gunne LM, et al. **Psychopharmacology (Berlin)** 1983;81(3):191–4
A comparison of some psychological and physiological effects exerted by zetidoline (DL308) and by oxazepam. Herbert M, et al. **Psychopharmacology (Berlin)** 1983; 81(4):335–9
Impairment of responses to novelty by apomorphine and its antagonism by neuroleptics in mice. Misslin R, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):113–7
Atypical neuroleptics increase self–administration of cocaine: an evaluation of a behavioural screen for antipsychotic activity. Roberts DC, et al. **Psychopharmacology (Berlin)** 1984;82(1–2):135–9
Mechanism and management of important psychotherapeutic drug interactions. Birkhimer LJ, et al. **South Med J** 1984 Apr;77(4):465–9
[News of the pharmacology of neuroleptics in 1982] Valchář M. **Cesk Psychiatr** 1983 Oct;79(5):306–14 (Eng. Abstr.) **(Cze)**
[Effect of osmotic diuretics, enzyme–inhibiting diuretics and neuroleptics on cerebral perfusion pressure] Millet A. **Agressologie** 1983 Oct;24(9):453–9 (91 ref.) (Eng. Abstr.) **(Fre)**
[Anticholinergic action of neuroleptics and antidepressives on the guinea pig ileum. Comparison with atropine and pirenzepine] Alvarez Gonzalez FJ, et al. **J Pharmacol** 1984 Apr–Jun;15(2):177–84 (Eng. Abstr.) **(Fre)**
[Schizophrenia—a biological approach] Otsuki S. **Seishin Shinkeigaku Zasshi** 1983;85(10):652–5 **(Jpn)**
[Effects of zotepine, a psychotropic agent, on the serum uric acid level of inpatients at a psychiatric hospital] Yoshida H, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):69–76 (Eng. Abstr.) **(Jpn)**
[Action of several neuroleptics and diazepam on the hydrodynamics of the eye in healthy people and glaucoma patients] Bandych–Biniszkiewiczowa D. **Klin Oczna** 1983 Jul;85(7):269–71 (Eng. Abstr.) **(Pol)**
[Current theories on the role of dopamine in the mechanism of action of neuroleptic drugs] Płaźnik A, et al. **Psychiatr Pol** 1984 Jan–Feb;18(1):39–47 (29 ref.) **(Pol)**
[Blood levels of beta–endorphins and the changes caused by neuroleptics in acute and chronic schizophrenics] Barcia D, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb; 12(1):3–10 **(Spa)**
[Anticholinergic activity of neuroleptics and antidepressants in guinea pig intestine stimulated electrically] Casas González MT, et al. **Arch Neurobiol (Madr)** 1983 Mar–Apr; 46(2):123–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Milenperone. A selective drug for the control of behavioral disorders in epileptic and alcoholic patients. Gelders YG, et al. **Acta Psychiatr Belg** 1984 Mar–Apr;84(2):151–9
Patterns of neuroleptic use among the institutionalised elderly. Gilleard CJ, et al. **Acta Psychiatr Scand** 1983 Dec; 68(6):419–25
Family history and CSF homovanillic acid pattern during neuroleptic treatment. Bowers MB Jr. **Am J Psychiatry** 1984 Feb;141(2):296–8
The effects of organizational stress on inpatient psychiatric medication patterns. Gouse AS. **Am J Psychiatry** 1984 Jul; 141(7):878–81
Strategies for enhancing drug therapy of schizophrenia. Schooler NR, et al. **Am J Psychother** 1983 Oct;37(4):521–32 (23 ref.)
Neuroleptic concentrations and clinical response. Rivera–Calimlim L, et al. **Annu Rev Pharmacol Toxicol** 1984;24:361–86 (134 ref.)
Treatment of Gilles de la Tourette's syndrome with clonidine and neuroleptics. Shapiro AK, et al. **Arch Gen Psychiatry** 1983 Nov;40(11):1235–40
Fluperlapine in 104 schizophrenic patients. Open multicenter trial. Fischer–Cornelssen KA. **Arzneimittelforsch** 1984; 34(1A):125–30
Results of a multicenter AMDP study with fluperlapine in schizophrenic patients. Woggon B, et al. **Arzneimittelforsch** 1984;34(1A):122–4
Neuroleptic–induced reductions in serum dopamine–beta–hydroxylase in schizophrenia. Goodnick PJ, et al. **Biol Psychiatry** 1983 Dec;18(12):1485–8
Plasma drug and homovanillic acid levels in psychotic patients receiving neuroleptics. Harris PQ, et al. **Biol Psychiatry** 1984 Jun;19(6):849–60
Serotonin uptake and efflux in blood platelets from untreated and neuroleptic–treated schizophrenics. Lingjaerde O. **Biol Psychiatry** 1983 Dec;18(12):1345–56
Lateral ventricular size, psychopathology, and medication response in the psychoses. Luchins DJ, et al. **Biol Psychiatry** 1984 Jan;19(1):29–44
No correlation between neuroleptic–induced increase of beta–endorphin serum level and therapeutic efficacy in schizophrenia. Naber D, et al. **Br J Psychiatry** 1984 Jun; 144:651–3
Pharmacological approaches to treatment of hemiballism and hemichorea. Becker RE, et al. **Brain Res Bull** 1983 Aug; 11(2):187–9 (16 ref.)
Neuroleptics under high risk conditions. Oyewumi LK. **Can J Psychiatry** 1983 Aug;28(5):398–403
Drug therapy in borderline patients. Cole JO, et al. **Compr Psychiatry** 1984 May–Jun;25(3):249–54
Maintenance therapy in schizophrenia. Marder SR. **Curr Psychiatr Ther** 1983;22:141–50
Clinical evaluation of centbutindole as an anti–psychotic agent. Doongaji DR, et al. **Indian J Med Res** 1983 Jul; 78:126–33
The art of rational neuroleptic therapy. Ayd FJ Jr. **Isr J Psychiatry Relat Sci** 1983;20(4):292–8
The prolactin response to flutroline hydrochloride in schizophrenic patients. Kurland AA, et al. **J Clin Pharmacol** 1983 Nov–Dec;23(11–12):505–16
The risk/benefit ratio of depot neuroleptics: a Scandinavian perspective. Dencker SJ. **J Clin Psychiatry** 1984 May;45(5 Pt 2):22–7
Depot neuroleptics: the relevance of psychosocial factors—a United States perspective. Hogarty GE. **J Clin Psychiatry** 1984 May;45(5 Pt 2):36–42
Observations on the use of long–acting depot neuroleptic injections in the maintenance therapy of schizophrenia. Johnson DA. **J Clin Psychiatry** 1984 May;45(5 Pt 2):13–21 (71 ref.)
Psychosocial relevance and benefit of neuroleptic maintenance: experience in the United Kingdom. Leff J, et al. **J Clin Psychiatry** 1984 May;45(5 Pt 2):43–9
Combined use of psychotherapy and drugs in chronic, treatment–resistant schizophrenic patients. A retrospective study. Feinsilver DB, et al. **J Nerv Ment Dis** 1984 Mar; 172(3):133–9
Differences in the nature of relapse and subsequent inpatient course between medication–compliant and noncompliant schizophrenic patients. McEvoy JP, et al. **J Nerv Ment Dis** 1984 Jul;172(7):412–6
The effect of neuroleptic treatment and of high dosage diazepam therapy on beta–endorphin immunoreactivity in plasma of schizophrenic patients. Gramsch C, et al. **J Neural Transm** 1984;59(2):133–41

Effect of neuroleptic treatment on involuntary movements and motor performances in Huntington's disease. Girotti F, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug; 47(8):848–52

AMDP psychopathology factors in chronic schizophrenia: a clinical trial of two long-acting neuroleptics. Lapierre YD, et al. **Mod Probl Pharmacopsychiatry** 1983;20:193–203

Atypical neuroleptics: clozapine and the benzamides in the prevention and treatment of tardive dyskinesia. Pi EH, et al. **Mod Probl Pharmacopsychiatry** 1983;21:80–6 (31 ref.)

Treatment of Tourette's syndrome with RO22–1319, a D–2–receptor antagonist [letter] Uhr SB, et al. **N Engl J Med** 1984 Oct 11;311(15):989

Therapeutic drug monitoring of psychotropic drugs in children. Morselli PL, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):149–56

The prediction of acute response, remission and general outcome of neuroleptic treatment in acute schizophrenic patients. Nedopil N, et al. **Pharmacopsychiatria** 1983 Nov; 16(6):201–5

Prediction of 'natural' course, relapse and prophylactic response in schizophrenic patients. Pietzcker A, et al. **Pharmacopsychiatria** 1983 Nov;16(6):206–11

Multimethodological approach in psychiatric predictor research. Woggon B, et al. **Pharmacopsychiatria** 1983 Nov; 16(6):175–8

Amisulpride—an open clinical study of a new benzamide in schizophrenic patients. Mann K, et al. **Pharmacopsychiatry** 1984 Jul;17(4):111–5

Low dose bromocriptine: a study of acute effects in chronic mediated schizophrenics. Cutler NR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):277–83

Decrease of CSF dopamine, its metabolites and noradrenalin after withdrawal of chronic neuroleptic treatment in schizophrenic patients [letter] Bagdy G, et al. **Psychiatry Res** 1984 Jun;12(2):177–8

Life events, relatives' expressed emotion and maintenance neuroleptics in schizophrenic relapse. Leff J, et al. **Psychol Med** 1983 Nov;13(4):799–806

Psychopharmacologic issues in the maintenance treatment of schizophrenia. Kane JM, et al. **Psychopharmacol Bull** 1984 Summer;20(3):423–5

CT scans and neuropsychological tests as predictors of clinical response in schizophrenics. Smith RC, et al. **Psychopharmacol Bull** 1983;19(3):505–9

High doses of diazepam improve neuroleptic-resistant chronic schizophrenic patients. Nestoros JN, et al. **Psychopharmacology (Berlin)** 1983;81(1):42–7

Combined treatment of tardive dyskinesia with clonidine and neuroleptics: a follow-up study of three cases for three years. Nishikawa T, et al. **Psychopharmacology (Berlin)** 1983;80(4):374–5

Early intervention, time-limited, targeted pharmacotherapy of schizophrenia. Carpenter WT Jr, et al. **Schizophr Bull** 1983;9(4):533–42

The pharmacologic treatment of schizophrenia: a progress report. Donaldson SR, et al. **Schizophr Bull** 1983; 9(4):504–27

Interactions between drug and psychosocial therapy in schizophrenia. Falloon IR, et al. **Schizophr Bull** 1983; 9(4):543–54

A strategy for developing novel drugs for the treatment of schizophrenia. Friedhoff AJ. **Schizophr Bull** 1983; 9(4):555–62

Treatment of schizoaffective disorders. Goodnick PJ, et al. **Schizophr Bull** 1984;10(1):30–48

Low dose medication strategies in the maintenance treatment of schizophrenia. Kane JM. **Schizophr Bull** 1983; 9(4):528–32

New drug treatment strategies in schizophrenia: editorial introduction. Schooler NR, et al. **Schizophr Bull** 1983; 9(4):500–3

[An attempt to discontinue long-term psychopharmacologic therapy in chronic schizophrenics] Klik J, et al. **Cesk Psychiatr** 1984 Apr;80(2):121–4 (Eng. Abstr.) **(Cze)**

[Catamnestic study of schizophrenics treated with insulin coma therapy and schizophrenics treated with neuroleptics] Vachutka J. **Cesk Psychiatr** 1983 Dec;79(6):392–5 (Eng. Abstr.) **(Cze)**

[Psychopharmacological treatment of patients with senile dementia] Gulmann NC. **Ugeskr Laeger** 1984 Jan 16; 146(3):165–9 (Eng. Abstr.) **(Dan)**

[Tranquilizers in the transport of slaughtering pigs: a problem of residues?] Rauws AG. **Tijdschr Diergeneeskd** 1983 Sep 1;108(17):659–64 (Eng. Abstr.) **(Dut)**

[Antipsychotic drugs and drugs inducing psychoses] Deniker P. **Acta Psychiatr Belg** 1983 May–Jun;83(3):239–54 (Eng. Abstr.) **(Fre)**

[Active treatment of behavior problems of the mentally retarded. Sultopride] Amedro MJ, et al. **Sem Hop Paris** 1983 Dec 15;59(47):3327–31 (Eng. Abstr.) **(Fre)**

[Ataractic treatment in psychiatry and general medicine. Neuroleptics and thymoleptics. 3.1 Neuroleptics] Hertrich O. **Fortschr Med** 1983 Oct 27;101(40):1823, 1826–7 **(Ger)**

[Indications for long-term neuroleptic medication—standard procedure or individual prognosis-guided intervention? A prospective study of the clinical treatment model] Gaebel W, et al. **Nervenarzt** 1983 Sep;54(9):467–76 **(Ger)**

[Therapy with neuroleptics and antidepressive agents: a fundamental and critical discussion from a biological viewpoint] Langer G. **Wien Klin Wochenschr** 1983 Jul 8; 95(14):474–8 (Eng. Abstr.) **(Ger)**

[Neuroleptics in the aged] Tatarelli R, et al. **Clin Ter** 1983 Jul 15;106(1):47–64 (Eng. Abstr.) **(Ita)**

[Initial experience with clotiapine in the treatment of heroin addiction] Spandri P, et al. **Minerva Med** 1984 Jun 30; 75(27):1663–6 (Eng. Abstr.) **(Ita)**

[Long-acting neuroleptics in the therapeutic relationship. I. General considerations] Benvenuti P. **Riv Patol Nerv Ment** 1982 Sep–Oct;103(5):235–47 (Eng. Abstr.) **(Ita)**

[Antipsychotic effects of caerulein on chronic schizophrenia] Moroharu T, et al. **Seishin Shinkeigaku Zasshi** 1983; 85(9):611–5 **(Jpn)**

[Neuroleptic drugs] Kostowski W, et al. **Wiad Lek** 1984 Feb 1;37(3):233–6 **(Pol)**

[Possible participation of limbic structures of the forebrain in the mechanism of the antipsychotic effect of neuroleptic preparations in schizophrenia (review)] Aksent'ev SB, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1254–60 (133 ref.) **(Rus)**

[Use of systematic organization of the EEG in the diagnosis of psychopathologic states] Bochkarev VK, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1805–11 (Eng. Abstr.) **(Rus)**

TOXICITY

Dopamine receptor function and spontaneous orofacial dyskinesia in rats during 6-month neuroleptic treatments. Waddington JL, et al. **Adv Biochem Psychopharmacol** 1983; 37:299–308

Effect of alpha-methyl-p-tyrosine on neuroleptic-induced catalepsy in rat. Gada VP, et al. **Indian J Physiol Pharmacol** 1983 Jul–Sep;27(3):241–4

[Synthesis and pharmacological screening of 4-methyl-5-(2-N-substituted aminoethyl)-thiazoles] Bogdal M, et al. **Acta Pol Pharm** 1983;40(2):159–70 (Eng. Abstr.) **(Pol)**

[Preclinical study of the safety of the new Soviet tranquilizer gindarin] Arzamastsev EV, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):107–12 (Eng. Abstr.) **(Rus)**

URINE

Screening procedure for detection of phenothiazine and analogous neuroleptics and their metabolites in urine using a computerized gas chromatographic-mass spectrometric technique. Maurer H, et al. **J Chromatogr** 1984 Mar 9; 306:125–45

TRANQUILIZING AGENTS, MINOR

Determination of a pyrimido-benzazepine anxiolytic agent and its 5-hydroxy metabolite in whole blood, plasma and urine by gas—liquid chromatography with electron-capture detection and by high-performance liquid chromatography. Puglisi CV, et al. **J Chromatogr** 1983 Jul 8;275(2):319–33

High-performance liquid chromatographic determination of tracazolate and its major metabolite in plasma. Hermes M, et al. **J Pharm Sci** 1984 May;73(5):667–70

Repeated electroconvulsive shock has no specific anxiolytic effect but reduces social interaction and exploration in rats. File SE, et al. **Neuropharmacology** 1984 Jan;23(1):95–9

Pyrazolo[1,5-a]pyrimidines: receptor binding and anxiolytic behavioral studies. Loew G, et al. **Pharmacol Biochem Behav** 1984 Mar;20(3):343–8

Use of animal models: toward anxioselective drugs. Eison MS. **Psychopathology** 1984;17 Suppl 1:37–44

Benzodiazepine and nonbenzodiazepine anxiolytics. Goldberg HL. **Psychopathology** 1984;17 Suppl 1:45–55 (30 ref.)

Anxiolytic actions of chlordiazepoxide determine its effects on hyponeophagia in rats. shephard RA, et al. **Psychopharmacology (Berl')** 1984;82(4):343–7

[Patterns of cost and prescriptions in psychochemotherapy. Analysis of variations over a 5-year period] Delucia R, et al. **AMB** 1983 Nov–Dec;29(11–12):191–4 (Eng. Abstr.) **(Por)**

ADMINISTRATION & DOSAGE

The effects of non-prescribing of anxiolytics in general practice. I. Controlled evaluation of psychiatric and social outcome. Catalan J, et al. **Br J Psychiatry** 1984 Jun; 144:593–602

The effects of non-prescribing of anxiolytics in general practice. II. Factors associated with outcome. Catalan J, et al. **Br J Psychiatry** 1984 Jun;144:603–10

A cross-national comparison of anti-anxiety/sedative drug use. Balter MB, et al. **Curr Med Res Opin** 1984;8 Suppl 4:5–20

Anti-anxiety agents: duration of use and characteristics of users in the U.S.A. Mellinger GD, et al. **Curr Med Res Opin** 1984;8 Suppl 4:21–36

The rational use of antianxiety agents. Chu CC, et al. **Nebr Med J** 1983 Aug;68(8):256–60

[Psychotherapy-drugs combined. Clinical case (depression-neurosis)] Fischler B. **Acta Psychiatr Belg** 1984 Jan–Feb;84(1):29–37 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Side effects of anxiolytic chemotherapy and prospects for the future] Scharbach H. **Ann Med Psychol (Paris)** 1983 Nov;141(9):998–1005 **(Fre)**

CHEMICAL SYNTHESIS

2-benzazepines. 6. Synthesis and pharmacological properties of the metabolites of 9-chloro-7-(2-chlorophenyl)-5H-pyrimido[5,4-d] [2]benzazepine. Trybulski EJ, et al. **J Med Chem** 1983 Nov; 26(11):1596–601

2-benzazepines. 5. Synthesis of pyrimido[5,4-d][2]benzazepines and their evaluation as anxiolytic agents. Trybulski EJ, et al. **J Med Chem** 1983 Nov;26(11):1589–96

[Derivatives of 2,3,5,6,7,7a-hexahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imida-5-carboxylic acids] Fontanella L, et al. **Farmaco [Sci]** 1984 Feb;39(2):133–53 (Eng. Abstr.) **(Ita)**

METABOLISM

Pharmacokinetics and metabolism of premazepam, a new potential anxiolytic, in humans. Vitiello B, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):273–7

Effect of food, fluid and dosage form on the absorption of 52–522, a potential antianxiety agent, in the dog. Tse FL, et al. **J Pharm Pharmacol** 1984 Jan;36(1):56–8

PHARMACODYNAMICS

Selective anxiolytics: are the actions related to partial 'agonist' activity or a preferential affinity for benzodiazepine receptor subtypes? Gee KW, et al. **Adv Biochem Psychopharmacol** 1983;38:1–9

The effect of buspirone on prolactin and growth hormone secretion in man. Meltzer HY, et al. **Arch Gen Psychiatry** 1983 Oct;40(10):1099–102

U-43,465F: a triazolobenzodiazepine with pronounced antidepressant-like as well as anxiolytic activities in animals. Von Voigtlander PF, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):60–76

Anxiolytic-like properties of fominoben. Crawley JN, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):277–81

SCH 23390 is a very potent and selective antagonist at vascular dopamine receptors. Hilditch A, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):333–4

Clinical effectiveness and untoward effects of new agents and techniques used in intravenous sedation. Korttila K. **J Dent Res** 1984 Jun;63(6):848–52

Comparative neuropharmacology of buspirone and MJ-13805, a potential anti-anxiety drug. McMillen BA, et al. **J Neural Transm** 1983;57(4):255–65

The effects of benzodiazepine and non-benzodiazepine anxiolytics on locus coeruleus unit activity. Sanghera MK, et al. **J Neural Transm** 1983;57(4):267–79

Adenosine receptor interactions and anxiolytics. Bruns RF, et al. **Neuropharmacology** 1983 Dec;22(12B):1523–9 (28 ref.)

Novel non-benzodiazepine anxiolytics. Goldberg ME, et al. **Neuropharmacology** 1983 Dec;22(12B):1499–504 (32 ref.)

The benzodiazepine receptor ligand CL218,872 has both anxiolytic and sedative properties in rodents. Oakley NR, et al. **Neuropharmacology** 1984 Jul;23(7A):797–802

Effects of chlordiazepoxide and of valproate on hyponeophagia in rats. Evidence for a mutual antagonism between their anxiolytic properties. Shephard RA, et al. **Neuropharmacology** 1984 Jun;23(6):677–81

Psychological performance of normal subjects on tasks commonly used in evaluation of anxiolytic drugs. Zimmermann-Tansella C. **Percept Mot Skills** 1984 Jun; 58(3):803–10

Toluene inhalation and anxiolytic activity: possible synergism with diazepam. Geller I, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):899–903

Discriminative stimulus properties of buspirone compared to central nervous system depressants in rats. Hendry JS, et al. **Pharmacol Biochem Behav** 1983 Jul;19(1):97–101

Gamma-butyrolactone increases the rate of punished lever pressing by rats. McIntire KD, et al. **Pharmacol Biochem Behav** 1984 Feb;20(2):307–10

Molecular aspects of the action of benzodiazepine and non-benzodiazepine anxiolytics: a hypothetical allosteric model of the benzodiazepine receptor complex. Williams M. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(2):209–47 (250 ref.)

A new physiological tool for assessing anxiolytic effects in humans: frontal midline theta activity. Mizuki Y, et al. **Psychopharmacology (Berlin)** 1983;80(4):311–4

Effect of successive administration of zopiclone, a new class of minor tranquillizer, on mouse liver microsomal mono-oxygenase system. Kawamoto H, et al. **Xenobiotica** 1984 Apr;14(4):355–7

[Clinical pharmacological studies of antianxiety agents by new methods] Mizuki Y, et al. **Seishin Shinkeigaku Zasshi** 1983;85(9):639–44 **(Jpn)**

[Effects of pentylenetetrazol on conflict behavior and interactions with anxiolytics in rats] Miyamoto M, et al. **Yakubutsu Seishin Kodo** 1983 Dec;3(3):109–16 (Eng. Abstr.) **(Jpn)**

[Anxiolytic effect of potassium orotate] Karkishchenko NN, et al. **Farmakol Toksikol** 1983 Jul–Aug;46(4):68–71 (Eng. Abstr.) **(Rus)**

STANDARDS

[Early trials of substances claimed to be anxiolytic] Dreyfus JF, et al. **Encephale** 1983;9(4 Suppl 2):223B–230B (Eng. Abstr.) (Fre)

[Placebo effect and relief of anxiety] Olié JP, et al. **Encephale** 1983;9(4 Suppl 2):231B–235B (Eng. Abstr.) (Fre)

[Method of testing drug therapies for anxiety. Methodology of controlled trials] Pull CB. **Encephale** 1983;9(4 Suppl 2):237B–241B (Eng. Abstr.) (Fre)

[What phase IV should be like for an anxiolytic agent] Spriet A, et al. **Encephale** 1983;9(4 Suppl 2):243B–249B (Eng. Abstr.) (Fre)

THERAPEUTIC USE

Effect of patient recognition of tranquilizers on their use in alcohol detoxification. Francis DA, et al. **Am J Hosp Pharm** 1984 Mar;41(3):488–92

Use of drugs in the treatment of anxiety. Vajda FJ, et al. **Aust Fam Physician** 1983 Oct;12(10):714–7

Alprazolam: a review of its pharmacodynamic properties and efficacy in the treatment of anxiety and depression. Dawson GW, et al. **Drugs** 1984 Feb;27(2):132–47 (96 ref.)

Anxiolytic profiles. Gershon S, et al. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):45–57 (153 ref.)

Nonbenzodiazepine anxiolytics: clinical usefulness. Rickels K. **J Clin Psychiatry** 1983 Nov;44(11 Pt 2):38–44

A beta-blocker as anxiolytic and haemostatic in tonsillectomy. Basjrah R, et al. **J Int Med Res** 1983; 11(5):263–8

Prevalence and correlates of the long-term regular use of anxiolytics. Mellinger GD, et al. **JAMA** 1984 Jan 20; 251(3):375–9

Suriclone: a new anxiolytic drug. Lapierre YD, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):805–7

The diagnosis and drug treatment of anxiety disorders. Sheehan DV. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):599–603

Behavioral and physiological responses to benzodiazepine receptor antagonists. Crawley JN, et al. **Psychopharmacol Bull** 1984 Summer;20(3):403–7

Report from the World Health Organization Collaborative Centre for Psychopharmacology in India. Antianxiety drugs. Mundra VK, et al. **Psychopharmacol Bull** 1984 Winter;20(1):178–9

[Lonetil and emovit—effect on an experimental model of a neurosis-like state in the rat] Danchev N, et al. **Eksp Med Morfol** 1983;22(4):9–15 (Eng. Abstr.) (Bul)

[Treatment of generalized anxiety] Danion JM, et al. **Encephale** 1983;9(4 Suppl 2):307B–312B (Eng. Abstr.) (Fre)

[News of the clinical use of anxiolytics in 1982] Novotný V. **Cesk Psychiatr** 1983 Oct;79(5):321–7 (Eng. Abstr.) (Slo)

TRANSALDOLASE see under **TRANSFERASES**

TRANSAMIDINASES see **AMIDINOTRANSFERASES**

TRANSAMINASES see **AMINOTRANSFERASES**

TRANSCOBALAMINS

ANALYSIS

Cobalamin (vitamin B12) and B12 binding proteins in hypereosinophilic syndromes and secondary eosinophilia. Zittoun J, et al. **Blood** 1984 Apr;63(4):779–83

Species differences in the properties of mammalian transcobalamin II. Kapadia CR, et al. **Comp Biochem Physiol [B]** 1983;76(1):117–21

Transcobalamins in juvenile-type chronic granulocytic leukemia. Elitsur Y, et al. **Isr J Med Sci** 1984 Jun; 20(6):549–50

Eosinophilic granulocytes as a possible source of vitamin B12-binding protein. Mansouri A, et al. **Scand J Haematol** 1983 Nov;31(5):507–9

Vitamin B12 binding proteins (transcobalamin and haptocorrin) in serum and synovial fluid of patients with rheumatoid arthritis and traumatic synovitis. Christensen PA, et al. **Scand J Rheumatol** 1983;12(3):268–72

ANTAGONISTS & INHIBITORS

Inhibitory influence of methotrexate and vincristine on the release of cobalophilins from polymorphonuclear granulocytes. Hansz J, et al. **Folia Haematol (Leipz)** 1984; 111(1):20–6

BLOOD

Transcobalamin II as an indicator of activity in metastatic renal adenocarcinoma. Jensen HS, et al. **Cancer** 1983 Nov 1;52(9):1700–4

Plasma cobalamin and transcobalamin in patients with primary carcinoma of the liver. A study from Thailand. Nörredam K, et al. **Scand J Gastroenterol** 1983 Mar; 18(2):229–32

DEFICIENCY

Absence of transcobalamin II from cord blood [letter] Begley JA, et al. **Blood** 1984 Feb;63(2):490–1

Congenital transcobalamin II deficiency presenting atypically with a low serum cobalamin level: studies demonstrating the coexistence of a circulating transcobalamin I (R binder) complex. Carmel R, et al. **Blood** 1984 Mar;63(3):598–605

R-binder deficiency. A clinically benign cause of cobalamin pseudodeficiency. Carmel R. **JAMA** 1983 Oct 14; 250(14):1886–90

Cobalamin R binder deficiency in a woman with thalassemia. Jenks J, et al. **Nutr Rev** 1983 Sep;41(9):277–80

[Humoral immunodeficiency in connection with transcobalamin II deficiency? (letter)] Sabbah A, et al. **Presse Med** 1983 Nov 17;12(41):2629 (Fre)

[Inherited transcobalamin-II-deficiency: clinical, genetic studies and diagnosis using culture.. fibroblasts] Sacher M, et al. **Helv Paediatr Acta** 1983 Dec;38(5–6):549–58 (Eng. Abstr.) (Ger)

GENETICS

Distribution of genetic variants of transcobalamin II in Nigerian black populations. Porck HJ, et al. **Am J Hum Genet** 1984 May;36(3):710–7

Genetic patterns of transcobalamin II and the relationships with congenital defects. Fràter-Schröder M. **Mol Cell Biochem** 1983;56(1):5–31 (99 ref.)

Evidence for genetic effects on variation in plasma unsaturated transcobalamin II and cobalamin (vitamin B12). Magnus P, et al. **Scand J Haematol** 1984 Aug;33(2):180–6

ISOLATION & PURIFICATION

Measurement of unsaturated 'granulocyte-related' (TC I and TC III) and 'liver-related' (TC II) B12 binders by instant batch separation using a microfine precipitate of silica (Quso G-32) [letter] Herbert V, et al. **J Lab Clin Med** 1984 Aug;104(2):292

METABOLISM

Influence of metal substitution on vitamin B12 binding to human intrinsic factor and transcobalamins I and II. Elsenhans B, et al. **Biochemistry** 1984 Feb 28;23(5):805–8

Serum transcobalamin levels as an early indicator of bone marrow engraftment following transplantation. Naparstek E, et al. **Br J Haematol** 1983 Oct;55(2):229–34

Cyclic eosinophilic leukocytosis in eosinophilic leukemia with observations on transcobalamin I and eosinophils. Adrouny A, et al. **Cancer** 1984 Oct 1;54(7):1374–8

Application of a simple immunoadsorption assay for the measurement of saturated and unsaturated transcobalamin II and R-binders. Lindemans J, et al. **Clin Chim Acta** 1983 Jul 31;132(1):53–61

Effect of dexamethasone on serum transcobalamin II concentration in women undergoing pelvic surgery. Granat M, et al. **Eur J Clin Pharmacol** 1983;25(5):621–4

Transcobalamin II in human seminal plasma. Carmel R, et al. **J Clin Invest** 1984 Mar;73(3):868–72

Hereditary abnormal transcobalamin II previously diagnosed as congenital dihydrofolate reductase deficiency [letter] Hoffbrand AV, et al. **N Engl J Med** 1984 Mar 22; 310(12):789–90

[Transcobalamin II dynamics in a plasma turnover study of patients with lupus erythematosus. Preliminary report] Fràter-Schröder M, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1476–7 (Eng. Abstr.) (Ger)

SECRETION

Effect of ethylenediamine-tetra-acetate, sodium, iodoacetate and potassium cyanide on the release of cobalophilins from polymorphonuclear granulocytes during phagocytosis. Hansz J, et al. **Folia Haematol (Leipz)** 1983;110(3):417–26

TRANSCORTIN

ANALYSIS

Further data on the association of unexplained high transcortin levels with lymphoproliferative malignancies on the one hand and certain HLA haplotypes on the other hand. De Moor P, et al. **Acta Clin Belg** 1983;38(6):376–80

Quantification of corticosteroid binding globulin by electroimmunoassay during human pregnancy. Hau J, et al. **Arch Gynecol** 1983;233(3):217–23

Corticosteroid-binding globulin in various diseases [letter] Zouaghi H, et al. **Clin Chem** 1984 Feb;30(2):332–3

Radioimmunoassay of human transcortin. Sueda K, et al. **Endocrinol Jpn** 1983 Dec;30(6):737–45

Serum steroid binding protein concentrations, distribution of progestogens, and bioavailability of testosterone during treatment with contraceptives containing desogestrel or levonorgestrel. Hammond GL, et al. **Fertil Steril** 1984 Jul; 42(1):44–51

More HLA haploidentity in pairs of sibs with the same transcortin levels. De Moor P, et al. **Hum Immunol** 1984 May;10(1):1–3

Intracellular CBG-like molecules in the rat pituitary. de Kloet ER, et al. **J Steroid Biochem** 1984 Jan;20(1):367–71

[Structural characteristics of the carbohydrate component of transcortin in human retroplacental blood] Strel'chenok OA, et al. **Dokl Akad Nauk SSSR** 1983 Sep-Oct; 272(1):233–6 (Rus)

[Clinical importance of determining free and transcortin-bound cortisol and corticosterone in chronic biliary tract and liver diseases in children] Shabunina EI, et al. **Pediatriia** 1984 Feb;(2):47–50 (Eng. Abstr.) (Rus)

BLOOD

Use of monoclonal antibodies in a radioimmunoassay for human transcortin. Faict D, et al. **Clin Chem** 1984 Mar; 30(3):369–72

Response of transcortin and alpha 2u-globulin to turpentine-induced inflammation in the rat: influence of corticosteroids and prolactin. Faict D, et al. **J Endocrinol** 1983 Dec;99(3):465–8

Cortisol binding in uremic plasma. I. Absence of abnormal cortisol binding to cortisol binding to corticosteroid-binding globulin. Rosman PM, et al. **Nephron** 1984;37(3):160–5

IMMUNOLOGY

Specific localization of plasma corticosteroid-binding globulin immunoreactivity in pituitary corticotrophs. Perrot-Applanat M, et al. **Endocrinology** 1984 Aug; 115(2):559–69

ISOLATION & PURIFICATION

Physico-chemical properties and evidence for electrophoretic variants of rat transcortin. Favre G, et al. **Biochimie** 1984 May;66(5):361–9

METABOLISM

Extravascular CBG-like sites in rat kidney and mineralocorticoid receptor specificity. Stephenson G, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F227–33

Ketoconazole binds to the intracellular corticosteroid-binding protein in Candida albicans. Stover EP, et al. **Biochem Biophys Res Commun** 1983 Nov 30; 117(1):43–50

Reversible dissociation of cortisol-transcortin complex by sodium para-chloromercuribenzoate. Le Gaillard F, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):289–95

Importance of arginine residues in the determination of the biological activity of human corticosteroid-binding globulin. Perini JM, et al. **Biochimie** 1983 Oct;65(10):579–83

Circadian fluctuations in plasma corticosterone, corticosterone-binding activity and total protein in male rats: possible disruption by serial blood sampling. Calvano SE, et al. **Endocr Res** 1984;10(1):11–25

Thyroid hormones and plasma corticosteroid binding globulin capacity in fetal and newborn lambs. Ballard PL, et al. **Endocrinology** 1983 Oct;113(4):1197–200

Plasma cortisol transport and primate evolution. Pugeat MM, et al. **Endocrinology** 1984 Jul;115(1):357–61

C21 steroids and transcortin-type protein during delayed implantation in the European badger Meles meles L. Bonnin M, et al. **J Steroid Biochem** 1984 Feb;20(2):575–80

Polymerization of human transcortin in plasma. Mueller UW, et al. **J Steroid Biochem** 1984 Jun;20(6A):1261–6

Synthesis of some steroid spin labels. Dodd JR, et al. **Steroids** 1983 Sep;42(3):241–7

[Decrease in the binding activity of transcortin (CBG) in the serum of chronic hemodialysis patients (letter)] Zouaghi H, et al. **Ann Biol Clin (Paris)** 1983;41(4):285–6 (Fre)

[Interaction of transcortin and type III glucocorticoid receptors with type II glucocorticoid receptors in stress] Golikov PP, et al. **Vopr Med Khim** 1983 Jul-Aug; 29(4):27–30 (Eng. Abstr.) (Rus)

[Determination of hydrocortisone in human blood plasma using competitive binding with endogenous transcortin] Golikov PP, et al. **Vopr Med Khim** 1983 Sep-Oct; 29(5):123–8 (Eng. Abstr.) (Rus)

[Mechanism of transport and interaction of norethisterone with plasma proteins] Larrea F, et al. **Rev Invest Clin** 1983 Jul-Sep;35(3):189–96 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Cortisol-free transcortin: preparation and effect on mitogen-stimulated lymphocytes. Faict D, et al. **J Steroid Biochem** 1983 Oct;19(4):1397–401

Corticosteroid-binding globulin. A review of some recent aspects. Westphal U. **Mol Cell Biochem** 1983;55(2):145–57 (36 ref.)

SECRETION

Human corticosteroid binding globulin is secreted by a hepatoma-derived cell line. Khan MS, et al. **J Steroid Biochem** 1984 Feb;20(2):677–8

TRANSCRIPTASES see **RNA POLYMERASES**

TRANSCRIPTION FACTORS

Sequence-specific resonance assignments in the 1H nuclear-magnetic-resonance spectrum of the lac repressor DNA-binding domain 1–51 from Escherichia coli by two-dimensional spectroscopy. Zuiderweg ER, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):279–92

Specificity of release by Escherichia coli transcription termination factor rho of nascent mRNA transcripts initiated at the lambda PR. Morgan WD, et al.

J Biol Chem 1984 Jul 10;259(13):8664–71

Comparison of the structures of cro and lambda repressor proteins from bacteriophage lambda. Ohlendorf DH, et al. J Mol Biol 1983 Sep 25;169(3):757–69

A temporally regulated promoter from Bacillus subtilis is transcribed only by an RNA polymerase with a 37,000 dalton sigma factor. Goldfarb DS, et al. MGG 1983; 191(2):319–25

Predicted structure of the sugar-binding site of the lac repressor. Sams CF, et al. Nature 1984 Aug 2–8; 310(5976):429–30

RNA polymerase I promoters and transcription factors [news] Sommerville J. Nature 1984 Jul 19–25; 310(5974):189–90

ANALYSIS

Nucleotide sequence of the heat shock regulatory gene of E. coli suggests its protein product may be a transcription factor. Landick R, et al. Cell 1984 Aug;38(1):175–82

Monoclonal antibody against cytoplasmic lectins of Dictyostelium discoideum: cross-reactivity with a membrane glycoprotein, contact site A, and with E. coli beta-galactosidase and lac repressor. Stadler J, et al. Hoppe Seylers Z Physiol Chem 1984 Mar;365(3):283–8

The use of monoclonal antibodies for the characterization of a 5 S gene-specific transcription factor (IIIA) from Xenopus laevis. Krämer A, et al. J Biol Chem 1983 Oct 10;258(19):11915–23

Generation of monoclonal antibodies to RNA polymerase II for the identification of transcriptional factors. Tsai SY, et al. J Biol Chem 1984 Sep 25;259(18):11587–93

Nuclear exclusion of transcription factor IIIA and the 42s particle transfer RNA-binding protein in Xenopus oocytes: a possible mechanism for gene control? Mattaj IW, et al. J Cell Biol 1983 Oct;97(4):1261–5

BIOSYNTHESIS

A nuclear mutation decreasing rho- production modifies the unstable nitrous-acid sensitivity of yeast. Koltovaya NA, et al. Mutat Res 1983 Sep;121(3–4):195–8

[C1 and cro repressors of lambda phages. Isolation of strains of bacteriophage lambda imm434 superproducing repressor cro] Bespalova IN, et al. Mol Biol (Mosk) 1984 Jan–Feb; 18(1):39–47 (Eng. Abstr.) (Rus)

GENETICS

Protein-DNA recognition. Pabo CO, et al. Annu Rev Biochem 1984;53:293–321 (96 ref.)

Assembly of transcriptionally active chromatin in Xenopus oocytes requires specific DNA binding factors. Gargiulo G, et al. Cell 1984 Sep;38(2):511–21

Developmental and genetic regulation of Bacillus subtilis genes transcribed by sigma 28–RNA polymerase. Gilman MZ, et al. Cell 1983 Nov;35(1):285–93

The htpR gene product of E. coli is a sigma factor for heat-shock promoters. Grossman AD, et al. Cell 1984 Sep; 38(2):383–90

Distinctly regulated tandem upstream activation sites mediate catabolite repression of the CYC1 gene of S. cerevisiae. Guarente L, et al. Cell 1984 Feb;36(2):503–11

Mutants of the gamma delta resolvase: a genetic analysis of the recombination function. Newman BJ, et al. Cell 1984 Sep;38(2):463–9

Transcription from a heat-inducible promoter causes heat shock regulation of the sigma subunit of E. coli RNA polymerase. Taylor WE, et al. Cell 1984 Sep;38(2):371–81

Changing the DNA-binding specificity of a repressor. Youderian P, et al. Cell 1983 Dec;35(3 Pt 2):777–83

Characterization of two mutations in the Escherichia coli galE gene inactivating the second galactose operator and comparative studies of repressor binding. Fritz HJ, et al. EMBO J 1983;2(12):2129–35

Construction of an E. coli strain overproducing the Tn10-encoded TET repressor and its use for large scale purification. Oehmichen R, et al. EMBO J 1984 Mar; 3(3):539–43

Enhanced expression of cro-beta-galactosidase fusion proteins under the control of the PR promoter of bacteriophage lambda. Zabeau M, et al. EMBO J 1982; 1(10):1217–24

Isolation of a functional exuR-repressor-beta-galactosidase hybrid protein by use of in vitro gene fusions. Mata-Gilsinger M, et al. Gene 1983 Nov;25(1):9–20

Characteristics of amino acid transport in Saccharomyces cerevisiae cells: Part I—By using respiratory sufficient (rho+) & respiratory deficient (rho) mutants. Verma RS, et al. Indian J Biochem Biophys 1983 Apr;20(2):104–9

Physical properties and DNA-binding stoichiometry of a 5 S gene-specific transcription factor. Bieker JJ, et al. J Biol Chem 1984 May 25;259(10):6158–64

Effects of the mutant sigma allele rpoD800 on the synthesis of specific macromolecular components of the Escherichia coli K12 cell. Gross CA, et al. J Mol Biol 1984 Jan 25; 172(3):283–300

Studies on the interaction of Trp holorepressor with several operators. Evidence that the target need not be palindromic. Haydock PV, et al. J Mol Biol 1983 Nov 15;170(4):1019–30

Control of expression of the Tn10-encoded tetracycline resistance genes. Equilibrium and kinetic investigation of the regulatory reactions. Hillen W, et al. J Mol Biol 1983 Sep 25;169(3):707–21

Control of expression of the Tn10-encoded tetracycline resistance operon. II. Interaction of RNA polymerase and TET repressor with the tet operon regulatory region. Hillen W, et al. J Mol Biol 1984 Jan 15;172(2):185–201

A rho-dependent transcription termination signal in bacteriophage f1. Moses PB, et al. J Mol Biol 1984 Jan 5;172(1):1–22

Interaction of tight binding repressors with lac operators. An analysis by DNA-footprinting. Pfahl M, et al. J Mol Biol 1984 Feb 5;172(4):405–16

Transcription start site and induction kinetics of the araC regulatory gene in Escherichia coli K-12. Stoner CM, et al. J Mol Biol 1983 Nov 15;170(4):1049–53

Promoter recognition by sigma-37 RNA polymerase from Bacillus subtilis. Tatti KM, et al. J Mol Biol 1984 May 25;175(3):285–97

Nucleotide sequence and host La protein interactions of rabies virus leader RNA. Kurilla MG, et al. J Virol 1984 Jun;50(3):773–8

Analysis in vivo of factors affecting the control of transcription initiation at promoters containing target sites for trp repressor. Bogosian G, et al. MGG 1984; 193(1):110–8

Location of the rho gene and characterization of lambda ilv-gal derivatives of lambda ilv-rho bacteriophage. Calhoun DH, et al. MGG 1984;193(2):205–9

Evidence for rifampicin-promoted readthrough of a fully rho-dependent transcriptional terminator. Cromie KD, et al. MGG 1984;193(3):532–4

Marker rescue with plasmids bearing deletions in rpoD identifies a dispensable part of E. coli sigma factor. Hu JC, et al. MGG 1983;191(3):492–8

Autoregulation of the rho gene of Escherichia coli K-12. Kung H, et al. MGG 1984;193(2):210–3

Structure and function of the repressor of bacteriophage lambda. II. Isolation and characterization of a lambda mutant which produces repressor having higher affinity for operators. Nag DK, et al. MGG 1984;194(3):373–6

Evidence that the cro repressor inhibits expression of the bacteriophage lambda P gene at high multiplicities of infection. Zambetti GP, et al. MGG 1984;193(2):322–6

Eukaryotic transcription complexes. von Beroldingen CH, et al. Mol Cell Biochem 1984 Jun;62(2):97–108 (70 ref.)

TET repressor.tet operator complex formation induces conformational changes in the tet operator DNA. Altschmied L, et al. Nucleic Acids Res 1984 Feb 24; 12(4):2171–80

1H NMR study of the interaction of bacteriophage lambda Cro protein with the OR3 operator. Evidence for a change of the conformation of the OR3 operator on binding. Kirpichnikov MP, et al. Nucleic Acids Res 1984 Apr 25; 12(8):3551–61

Transcription analysis of the lexA gene of Escherichia coli: attenuation and cotranscription with the neighboring region. Miki T, et al. Nucleic Acids Res 1984 Jan 25; 12(2):1203–17

Targeted mutagenesis in vitro: lac repressor mutations generated using AMV reverse transcriptase and dBrUTP. Mott JE, et al. Nucleic Acids Res 1984 May 25; 12(10):4139–52

Nucleotide sequence of the repressor gene of the TN10 tetracycline resistance determinant. Postle K, et al. Nucleic Acids Res 1984 Jun 25;12(12):4849–63

Initiation and termination signals for transcription in bacteriophage M13. Smits MA, et al. Nucleic Acids Res 1984 May 25;12(10):4071–81

The bacteriophage T4 regA gene: primary sequence of a translational repressor. Trojanowska M, et al. Nucleic Acids Res 1984 Aug 10;12(15):5979–93

UV-lysogenic induction of lambda phage in lexA1 mutants of Escherichia coli: kinetics of the process. Carvalho RE, et al. Photochem Photobiol 1984 May;39(5):619–23

Cocrystals of the DNA-binding domain of phage 434 repressor and a synthetic phage 434 operator. Anderson J, et al. Proc Natl Acad Sci USA 1984 Mar;81(5):1307–11

An operator at -280 base pairs that is required for repression of araBAD operon promoter: addition of DNA helical turns between the operator and promoter cyclically hinders repression. Dunn TM, et al. Proc Natl Acad Sci USA 1984 Aug;81(16):5017–20

tRNAMetf2 gene in the leader region of the nusA operon in Escherichia coli. Ishii S, et al. Proc Natl Acad Sci USA 1984 Jan;81(2):409–13

Autodigestion of lexA and phage lambda repressors. Little JW. Proc Natl Acad Sci USA 1984 Mar;81(5):1375–9

DNA sequences of the repressor gene and operator region of bacteriophage P2. Ljungquist E, et al. Proc Natl Acad Sci USA 1984 Jul;81(13):3988–92

Perturbation of lac operator DNA modification by tryptic core protein from lac repressor. Manly SP, et al. Proc Natl Acad Sci USA 1983 Oct;80(20):6219–23

A perfectly symmetric lac operator binds the lac repressor very tightly. Sadler JR, et al. Proc Natl Acad Sci USA 1983 Nov;80(22):6785–9

Two-dimensional 1H NMR study of the lambda operator site OL1: a sequential assignment strategy and its application. Weiss MA, et al. Proc Natl Acad Sci USA 1984 Jan;81(1):130–4

Use of the Escherichia coli lac repressor and operator to control gene expression in Bacillus subtilis. Yansura DG, et al. Proc Natl Acad Sci USA 1984 Jan;81(2):439–43

[C1 and cro repressors of lambda phages. I. Construction of vectors for expression of cro repressor of bacteriophage lambda imm434] Bespalova IN, et al. Mol Biol (Mosk) 1984 Jan–Feb;18(1):30–8 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Isolation of a class C transcription factor which forms a stable complex with tRNA genes. Ruet A, et al. EMBO J 1984 Feb;3(2):343–50

Characterization of the La (SS-B) antigen from several mammalian sources. Hoch SO, et al. J Immunol 1984 Sep; 133(3):1397–403

A novel factor for DNA-dependent RNA polymerase II in rat liver nuclei. Okai Y. Mol Biol Rep 1984 Jan;9(4):235–40

METABOLISM

Trp holorepressor-trp operator interaction studied by protein distribution analysis. Haydock PV, et al. Biochem Biophys Res Commun 1984 Mar 30;119(3):926–32

Nonspecific interaction of the lac repressor headpiece with deoxyribonucleic acid: fluorescence and circular dichroism studies. Schnarr M, et al. Biochemistry 1983 Jul 19; 22(15):3563–70

lac Repressor cysteine-140 reacts selectively with a fluorescent probe bound to the core-headpiece interface. Schneider JM, et al. Biochemistry 1984 May 8; 23(10):2221–6

Transcription termination factor rho of Escherichia coli K-12: some regulatory aspects of its expression and activity. Biville F, et al. Biochimie 1983 Jun;65(6):339–44

Nonspecific binding of lac repressor to DNA. I. An absorption and circular dichroism study. Charlier M, et al. Biophys Chem 1983 Nov;18(4):303–11

Nonspecific binding of lac repressor to DNA. II. A small-angle neutron-scattering study. Charlier M, et al. Biophys Chem 1983 Nov;18(4):313–22

The role of stable complexes that repress and activate eucaryotic genes. Brown DD. Cell 1984 Jun;37(2):359–65

The promoter-specific transcription factor Sp1 binds to upstream sequences in the SV40 early promoter. Dynan WS, et al. Cell 1983 Nov;35(1):79–87

A Drosophila RNA polymerase II transcription factor binds to the regulatory site of an hsp 70 gene. Parker CS, et al. Cell 1984 May;37(1):273–83

A Drosophila RNA polymerase II transcription factor contains a promoter-region-specific DNA-binding activity. Parker CS, et al. Cell 1984 Feb;36(2):357–69

Domains of the positive transcription factor specific for the Xenopus 5S RNA gene. Smith DR, et al. Cell 1984 Jun; 37(2):645–52

Substituting an alpha-helix switches the sequence-specific DNA interactions of a repressor. Wharton RP, et al. Cell 1984 Sep;38(2):361–9

Interaction between the lac operator and the lac repressor headpiece: fluorescence and circular dichroism studies. Culard F, et al. EMBO J 1982;1(11):1405–9

Interactions of the 26–39 fragment of the cro protein from lambda bacteriophage with nucleic acids. Mayer R, et al. FEBS Lett 1983 Mar 21;153(2):339–44

Cooperative and salt-resistant binding of lexA protein to non-operator DNA. Schnarr M, et al. FEBS Lett 1984 Jun 11;171(2):207–10

Spatial arrangement of the three alpha helices in the solution conformation of E. coli lac repressor DNA-binding domain. Zuiderweg ER, et al. FEBS Lett 1984 Sep 3; 174(2):243–7

Identification of repressor binding sites controlling expression of tetracycline resistance encoded by Tn10. Wray LV Jr, et al. J Bacteriol 1983 Dec;156(3):1188–91

Repression is relieved before attenuation in the trp operon of Escherichia coli as tryptophan starvation becomes increasingly severe. Yanofsky C, et al. J Bacteriol 1984 Jun;158(3):1018–24

DNA sequences and transcription factor interactions of active and inactive forms of mammalian 5 S RNA genes. Emerson BM, et al. J Biol Chem 1984 Jun 25; 259(12):7926–35

HeLa cell RNA polymerase III transcription factors. Functional characterization of a fraction identified by its activity in a second template rescue assay. Fuhrman SA, et al. J Biol Chem 1984 Feb 10;259(3):1934–43

Xenopus transcription factor A requires zinc for binding to the 5 S RNA gene. Hanas JS, et al. J Biol Chem 1983 Dec 10;258(23):14120–5

Functional inferences from crystals of Escherichia coli trp repressor. Joachimiak A, et al. J Biol Chem 1983 Oct 25; 258(20):12641–3

Rho-dependent termination and concomitant NTPase activity requires a specific, intact RNA region. Sharp JA, et al. J Biol Chem 1984 Feb 25;259(4):2268–73

Altered levels of a 5 S gene-specific transcription factor (TFIIIA) during oogenesis and embryonic development of Xenopus laevis. Shastry BS, et al. J Biol Chem 1984 Sep 25;259(18):11373–82

Correlations between transcription of a yeast tRNA gene and transcription factor-DNA interactions. Stillman DJ, et al. J Biol Chem 1984 Jun 25;259(12):7955–62

P. mirabilis RecA protein catalyses cleavage of E. coli LexA protein and the lambda repressor in vitro. West SC, et al. MGG 1984;194(1–2):111–3

La antigen recognizes and binds to the 3'-oligouridylate tail

of a small RNA. Mathews MB, et al. **Mol Cell Biol** 1984 Jun;4(6):1134–40

Use of light for fo[illegible]NA in vivo. Becker MM, et al. **Nature** 1984 [illegible]9(5970):682–7

A stable transcriptio[illegible] directs mouse ribosomal RNA synthesis by RNA polymerase I. Cizewski V, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7043–56

Binding of Xenopus transcription factor A to 5S RNA and to single stranded DNA. Hanas JS, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2745–58

DNA unwinding ability of Xenopus transcription factor A. Hanas JS, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1265–76

Interactions of plus and minus strand leader RNAs of the New Jersey serotype of vesicular stomatitis virus with the cellular La protein. Wilusz J, et al. **Virology** 1984 May; 135(1):65–73

[Binding of phage lambda cro repressor with an operator fragment] Kurochkin AV, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1213–6 **(Rus)**

PHYSIOLOGY

Transcriptional activation of cloned human beta-globin genes by viral immediate-early gene products. Green MR, et al. **Cell** 1983 Nov;35(1):137–48

Regulation of cyclic AMP synthesis in Escherichia coli K-12: effects of the rpoD800 sigma mutation, glucose, and chloramphenicol. Grossman AD, et al. **J Bacteriol** 1984 Apr;158(1):110–4

RADIATION EFFECTS

Photochemical cross-linking of lac repressor to nonoperator 5-bromouracil-substituted DNA. Barbier B, et al. **Biochemistry** 1984 Jun 19;23(13):2933–9

TRANSCRIPTION, GENETIC

see related
TRANSCRIPTION FACTORS

Proximity of polyriboguanylic acid-reactive sites in mammalian DNA to portions of DNA preferentially hybridizing with cellular RNA. Bhattacharya PK, et al. **Acta Biochim Pol** 1984;31(1):25–32

The role of transcription in primary induction. Iyengar B, et al. **Acta Morphol Hung** 1984;32(1):3–8

Mouse mammary tumor virus: transcriptional control and involvement in tumorigenesis. Hynes NE, et al. **Adv Cancer Res** 1984;41:155–84 (168 ref.)

Studies on the mechanism of RNA synthesis of a murine coronavirus. Lai MM, et al. **Adv Exp Med Biol** 1984; 173:187–200

Transcription strategy of coronaviruses: fusion of non-contiguous sequences during mRNA synthesis. Spaan W, et al. **Adv Exp Med Biol** 1984;173:173–86

Overproduction of proteins in recombinant organisms. Klotz LC. **Ann NY Acad Sci** 1983;413:1–11

Transcription of the mammalian mitochondrial genome. Clayton DA. **Annu Rev Biochem** 1984;53:573–94 (79 ref.)

Protein-nucleic acid interactions in transcription: a molecular analysis. von Hippel PH, et al. **Annu Rev Biochem** 1984; 53:389–446 (288 ref.)

Transcription renders chromatin resistant to micrococcal nuclease digestion. Kohno K, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):312–20

Autocrine regulation of growth: II. Glucocorticoids inhibit transcription of c-sis oncogene-specific RNA transcripts. Norris JS, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):124–8

Microinjection of vesicular stomatitis virus ribonucleoprotein into animal cells yields infectious virus. Thornton GB, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):1160–7

Sequence heterogeneity in the internal transcribed spacers of two rat ribosomal DNA clones. Georgiev OI, et al. **Biochem Int** 1984 Feb;8(2):225–9

Synthesis of a cleavable dinucleotide photoaffinity probe of ribonucleic acid polymerase: application to trinucleotide labeling of an Escherichia coli transcription complex. Hanna MM, et al. **Biochemistry** 1983 Jul 19;22(15):3546–51

A protected region upstream and limited nucleosomal positioning downstream of the transcription initiation region of the yeast 35S ribosomal gene. Lohr D. **Biochemistry** 1983 Sep 13;22(19):4527–34

Stimulation of yeast RNA polymerase II transcription by critical values of supercoiling. Pedone F, et al. **Biochemistry** 1984 Jan 3;23(1):69–73

High mobility group proteins: abundance, turnover, and relationship to transcriptionally active chromatin. Seale RL, et al. **Biochemistry** 1983 Oct 11;22(21):5008–15

DNA sequence organization and transcription of the chicken genome. Arthur RR, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):171–9

Enrichment of transcribed and newly replicated DNA in soluble chromatin released from nuclei by mild micrococcal nuclease digestion. Chambers SA, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):202–9

Organization of Xenopus histone gene variants within clusters and their transcriptional expression. Destrée OH, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):132–41

Dissociation of RNA synthesis from the calcium requirement for serum-increased ornithine decarboxylase activity in rat glioma cells. Gibbs JB, et al. **Biochim Biophys Acta** 1984 Sep 7;801(1):87–98

Mapping of the major early endonuclease cleavage site of the rat precursor to rRNA within the internal transcribed spacer sequence of rDNA. Hadjiolova KV, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):195–201

Transcription in vaccinia virus cores. The RNA produced during the first round of transcription does not differ from RNA transcribed in subsequent rounds. Huvos P. **Biochim Biophys Acta** 1984 May 15;782(1):34–40

Sequences around the 3'-end of a ribosomal RNA gene of hamster mitochondria. Further support for the 'transcriptional attenuation' model. Kotin RM, et al. **Biochim Biophys Acta** 1984 May 15;782(1):106–8

RNA synthesis in pig follicular oocytes. Autoradiographic and cytochemical study. Motlik J, et al. **Biol Cell** 1984; 50(3):229–35

Regulation of eukaryotic gene expression by transactivating proteins and cis acting DNA elements. Yaniv M. **Biol Cell** 1984;50(3):203–16 (135 ref.)

The physical and transcriptional organization of the human cytomegalovirus genome. DeMarchi JM. **Birth Defects** 1984;20(1):35–47

The 1984 Walter Hubert lecture. Activation of transforming genes in neoplasms. Cooper GM. **Br J Cancer** 1984 Aug; 50(2):137–42 (50 ref.)

Direction of synthesis of the message for a 35 000 polypeptide of herpes simplex virus type 2. Frost E, et al. **Can J Biochem Cell Biol** 1984 May;62(5):266–9

Transcription of a trout protamine gene in vitro: the effects of alteration of promoters. Jankowski JM, et al. **Can J Biochem Cell Biol** 1984 May;62(5):291–300

Changes in gene expression following neoplastic transformation of rat myogenic cells. Hillion J, et al. **Cancer Res** 1984 Jul;44(7):2959–65

Differential response of multiple epsilon-globin cap sites to cis- and trans-acting controls. Allan M, et al. **Cell** 1984 Sep;38(2):399–407

Multiple origins of transcription in the 4.5 Kb upstream of the epsilon-globin gene. Allan M, et al. **Cell** 1983 Nov; 35(1):187–97

The terminal RNA stem-loop structure and 80 bp of spacer DNA are required for the formation of 3' termini of sea urchin H2A mRNA. Birchmeier C, et al. **Cell** 1983 Dec; 35(2 Pt 1):433–40

Identification of a promoter for transcription of the heavy strand of human mtDNA: in vitro transcription and deletion mutagenesis. Bogenhagen DF, et al. **Cell** 1984 Apr; 36(4):1105–13

Molecular model of a eucaryotic transcription complex: functions and movements of influenza P proteins during capped RNA-primed transcription. Braam J, et al. **Cell** 1983 Sep;34(2):609–18

Retrovirus-induced lethal mutation in collagen I gene of mice is associated with an altered chromatin structure. Breindl M, et al. **Cell** 1984 Aug;38(1):9–16

The role of stable complexes that repress and activate eucaryotic genes. Brown DD. **Cell** 1984 Jun;37(2):359–65

A modified nucleotide in tRNA as a possible regulator of aerobiosis: synthesis of cis-2-methyl-thioribosylzeatin in the tRNA of Salmonella. Buck M, et al. **Cell** 1984 Feb; 36(2):523–31

Spacer sequences regulate transcription of ribosomal gene plasmids injected into Xenopus embryos. Busby SJ, et al. **Cell** 1983 Oct;34(3):989–96

Tissue-specific expression of two mRNA species transcribed from a single vimentin gene. Capetanaki YG, et al. **Cell** 1983 Dec;35(2 Pt 1):411–20

Human beta-globin promoter and coding sequences transcribed by RNA polymerase III. Carlson DP, et al. **Cell** 1983 Oct;34(3):857–64

Precise identification of individual promoters for transcription of each strand of human mitochondrial DNA. Chang DD, et al. **Cell** 1984 Mar;36(3):635–43

The use of RNAs complementary to specific mRNAs to regulate the expression of individual bacterial genes. Coleman J, et al. **Cell** 1984 Jun;37(2):429–36

Genes of the protozoan parasite Babesia bovis that rearrange to produce RNA species with different sequences. Cowman AF, et al. **Cell** 1984 Jun;37(2):653–60

Purified RNA polymerase III accurately and efficiently terminates transcription of 5S RNA genes. Cozzarelli NR, et al. **Cell** 1983 Oct;34(3):829–35

Transcription antitermination in vitro by lambda N gene product: requirement for a phage nut site and the products of host nusA, nusB, and nusE genes. Das A, et al. **Cell** 1984 Aug;38(1):165–73

Tandem repetition of the 5' mini-exon of variant surface glycoprotein genes: a multiple promoter for VSG gene transcription? De Lange T, et al. **Cell** 1983 Oct; 34(3):891–900

Assembly of transcriptionally active chromatin in Xenopus oocytes requires specific DNA binding factors. Gargiulo G, et al. **Cell** 1984 Sep;38(2):511–21

Developmental and genetic regulation of Bacillus subtilis genes transcribed by sigma 28-RNA polymerase. Gilman MZ, et al. **Cell** 1983 Nov;35(1):285–93

Transcriptional activation of cloned human beta-globin genes by viral immediate-early gene products. Green MR, et al. **Cell** 1983 Nov;35(1):137–48

Nucleotide sequence and secondary structure of VSV leader RNA and homologous DNA involved in inhibition of DNA-dependent transcription. Grinnell BW, et al. **Cell** 1984 Feb;36(2):533–43

Biosynthesis of chloroplast transfer RNA in a spinach chloroplast transcription system. Gruissem W, et al. **Cell** 1983 Dec;35(3 Pt 2):815–28

A Drosophila metabolic gene transcript is alternatively processed. Henikoff S, et al. **Cell** 1983 Sep;34(2):405–14

5'-flanking sequences that inhibit in vitro transcription of a xenopus laevis tRNA gene. Hipskind RA, et al. **Cell** 1983 Oct;34(3):881–90

Inhibition of thymidine kinase gene expression by anti-sense RNA: a molecular approach to genetic analysis. Izant JG, et al. **Cell** 1984 Apr;36(4):1007–15

Chromatin structure of hsp 70 genes, activated by heat shock: selective removal of histones from the coding region and their absence from the 5' region. Karpov VL, et al. **Cell** 1984 Feb;36(2):423–31

Transcriptional activation of the translocated c-myc oncogene in mouse plasmacytomas: similar RNA levels in tumor and proliferating normal cells. Keath EJ, et al. **Cell** 1984 Jun;37(2):521–8

Normal and mutant human beta-globin pre-mRNAs are faithfully and efficiently spliced in vitro. Krainer AR, et al. **Cell** 1984 Apr;36(4):993–1005

Enhancer-like properties of the 60/81 bp elements in the ribosomal gene spacer of Xenopus laevis. Labhart P, et al. **Cell** 1984 May;37(1):285–9

A zein gene of maize is transcribed from two widely separated promoter regions. Langridge P, et al. **Cell** 1983 Oct;34(3):1015–22

The distal transcription signals of the herpesvirus tk gene share a common hexanucleotide control sequence. McKnight SL, et al. **Cell** 1984 May;37(1):253–62

Mode of regulation of immunoglobulin mu- and delta-chain expression varies during B-lymphocyte maturation. Mather EL, et al. **Cell** 1984 Feb;36(2):329–38

tRNA gene transcription in yeast: effects of specified base substitutions in the intragenic promoter. Newman AJ, et al. **Cell** 1983 Nov;35(1):117–25

Chromatin structure at the replication origins and transcription-initiation regions of the ribosomal RNA genes of Tetrahymena. Palen TE, et al. **Cell** 1984 Apr; 36(4):933–42

A Drosophila RNA polymerase II transcription factor binds to the regulatory site of an hsp 70 gene. Parker CS, et al. **Cell** 1984 May;37(1):273–83

A Drosophila RNA polymerase II transcription factor contains a promoter-region-specific DNA-binding activity. Parker CS, et al. **Cell** 1984 Feb;36(2):357–69

Sequence-specific binding of glucocorticoid receptor to MTV DNA at sites within and upstream of the transcribed region. Payvar F, et al. **Cell** 1983 Dec;35(2 Pt 1):381–92

RNP template of vesicular stomatitis virus regulates transcription and replication functions. Perrault J, et al. **Cell** 1983 Nov;35(1):175–85

Analysis of the methylation-regulated Mu mom transcript. Plasterk RH, et al. **Cell** 1984 Jan;36(1):189–96

The 3' end of drosophila histone H3 mRNA is produced by a processing activity in vitro. Price DH, et al. **Cell** 1984 Sep;38(2):423–9

Reversible changes in nucleosome structure and histone H3 accessibility in transcriptionally active and inactive states of rDNA chromatin. Prior CP, et al. **Cell** 1983 Oct; 34(3):1033–42

Selective transcription of vaccinia virus genes in template dependent soluble extracts of infected cells. Puckett C, et al. **Cell** 1983 Dec;35(2 Pt 1):441–8

Spacer regulation of Xenopus ribosomal gene transcription: competition in oocytes. Reeder RH, et al. **Cell** 1983 Dec; 35(2 Pt 1):449–56

An unusual transposon encoding heat shock inducible and developmentally regulated transcripts in Dictyostelium. Rosen E, et al. **Cell** 1983 Nov;35(1):243–51

The transcriptional regulation of Xenopus 5s RNA genes in chromatin: the roles of active stable transcription complexes and histone H1. Schlissel MS, et al. **Cell** 1984 Jul;37(3):903–13

Activation of mouse genes in transformed cells. Scott MR, et al. **Cell** 1983 Sep;34(2):557–67

Differential effects of mutations on discrete steps in transcription initiation at the lambda PRE promoter. Shih MC, et al. **Cell** 1983 Oct;34(3):941–9

Transcription and regulatory signals at the mating type locus in yeast. Siliciano PG, et al. **Cell** 1984 Jul;37(3):969–78

Three promoters near the termini of IS10: pIN, pOUT, and pIII. Simons RW, et al. **Cell** 1983 Sep;34(2):673–82

The conserved nucleotide sequences of Bkm, which define Sxr in the mouse, are transcribed. Singh L, et al. **Cell** 1984 Jan;36(1):111–20

Domains of the positive transcription factor specific for the Xenopus 5S RNA gene. Smith DR, et al. **Cell** 1984 Jun; 37(2):645–52

Nested control regions promote Xenopus ribosomal RNA synthesis by RNA polymerase I. Sollner-Webb B, et al. **Cell** 1983 Nov;35(1):199–206

Purified lupus antigen La recognizes an oligouridylate stretch common to the 3' termini of RNA polymerase III transcripts. Stefano JE. **Cell** 1984 Jan;36(1):145–54

Transcription from a heat-inducible promoter causes heat shock regulation of the sigma subunit of E. coli RNA polymerase. Taylor WE, et al. **Cell** 1984 Sep;38(2):371–81

Mutations in Box B of the promoter of a eucaryotic tRNAPro

gene affect rate of transcription, processing, and stability of the transcripts. Traboni C, et al. **Cell** 1984 Jan; 36(1):179–87

An SV40 'enhancer trap' incorporates exogenous enhancers or generates enhancers from its own sequences. Weber F, et al. **Cell** 1984 Apr;36(4):983–92

The effect of induction of hemoglobin synthesis in cultured Friend cells on the number of initiation sites for replication and transcription. Flickinger RA, et al. **Cell Differ** 1984 Apr;14(1):59–71

Ultrastructural and autoradiographic studies of nucleolar development and rDNA transcription in preimplantation mouse embryos. Geuskens M, et al. **Cell Differ** 1984 Jun; 14(2):125–34

Cloning and characterization of rat–brain–specific transcripts: rare, brain–specific transcripts and tyrosine hydroxylase. Chikaraishi DM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:309–18

Analysis of POMC gene expression by transcription assay and in situ hybridization histochemistry. Roberts JL, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:385–91

Transcription of mitochondrial DNA. Tabak HF, et al. **CRC Crit Rev Biochem** 1983;14(4):297–317 (101 ref.)

In vitro transcription of adenovirus genes. Weinmann R, et al. **Curr Top Microbiol Immunol** 1984;109:125–45

Gene coding for a lens–specific protein, delta–crystallin, is transcribed in nonlens tissues of chicken embryos. Agata K, et al. **Dev Biol** 1983 Nov;100(1):222–6

Gene expression during Drosophila melanogaster oogenesis: analysis by in situ hybridization to tissue sections. Ambrosio L, et al. **Dev Biol** 1984 Sep;105(1):80–92

Transcripts of paternal and maternal actin gene alleles are present in interspecific sea urchin embryo hybrids. Crain WR Jr, et al. **Dev Biol** 1983 Nov;100(1):190–6

Steroid regulation of RNAs transcribed from the Drosophila 68c polytene chromosome puff. Crowley TE, et al. **Dev Biol** 1984 Mar;102(1):110–21

Differential expression of albumin and alpha–fetoprotein genes in fetal tissues of mouse and rat. Sellem CH, et al. **Dev Biol** 1984 Mar;102(1):51–60

De novo gene expression detected by amelogenin gene transcript analysis. Snead ML, et al. **Dev Biol** 1984 Jul; 104(1):255–8

Magic enhancers? Gruss P. **DNA** 1984;3(1):1–5 (52 ref.)

Replication origins are associated with transcription initiation sequences in the mitochondrial genome of yeast. Baldacci G, et al. **EMBO J** 1982;1(8):987–94

Transcription of Simian Virus 40 chromosomes in an extract of HeLa cells. Beard P, et al. **EMBO J** 1982;1(1):9–14

Disruption of the typical chromatin structure in a 2500 base–pair region at the 5' end of the actively transcribed ovalbumin gene. Bellard M, et al. **EMBO J** 1982; 1(2):223–30

Sequence of the murine and human cellular myc oncogenes and two modes of myc transcription resulting from chromosome translocation in B lymphoid tumours. Bernard O, et al. **EMBO J** 1983;2(12):2375–83

Expression of a Drosophila heat–shock protein in Xenopus oocytes: conserved and divergent regulatory signals. Bienz M, et al. **EMBO J** 1982;1(12):1583–8

Transcription and DNA sequence of the BamHI L fragment of B95–8 Epstein–Barr virus. Biggin M, et al. **EMBO J** 1984 May;3(5):1083–90

Origin of transcription of a mouse immunoglobulin light chain gene. Bodary S, et al. **EMBO J** 1982;1(6):719–24

Both early and late control sequences of SV40 and polyoma promote transcription of Escherichia coli gpt gene in transfected cells. Bourachot B, et al. **EMBO J** 1982; 1(8):895–900

Expression of malT, the regulator gene of the maltose region in Escherichia coli, is limited both at transcription and translation. Chapon C. **EMBO J** 1982;1(3):369–74

Adenovirus E1A protein activation of an integrated viral gene. Curtois G, et al. **EMBO J** 1984 May;3(5):1145–9

Expression of the ROAM mutations in Saccharomyces cerevisiae: involvement of trans–acting regulatory elements and relation with the Ty1 transcription. Dubois E, et al. **EMBO J** 1982;1(9):1133–9

Comparative transcription of right– and left–handed poly[d(G–C)] by wheat germ RNA polymerase II. Durand R, et al. **EMBO J** 1983;2(10):1707–14

The region of mouse mammary tumor virus DNA containing the long terminal repeat includes a long coding sequence and signals for hormonally regulated transcription. Fasel N, et al. **EMBO J** 1982;1(1):3–7

Sequences controlling in vitro transcription of SV40 promoters. Hansen U, et al. **EMBO J** 1983;2(12):2293–303

Rat prostatic steroid binding protein: DNA sequence and transcript maps of the two C3 genes. Hurst HC, et al. **EMBO J** 1983;2(5):769–74

Bacteriophage T4 late promoters: mapping 5' ends of T4 gene 23 mRNAs. Kassavetis GA, et al. **EMBO J** 1982; 1(1):107–14

A close association between sites of DNase I hypersensitivity and sites of enhanced cleavage by micrococcal nuclease in the 5'–flanking region of the actively transcribed ovalbumin gene. Kaye JS, et al. **EMBO J** 1984 May; 3(5):1137–44

Transcription of an artificial ribosomal RNA gene in yeast. Kempers–Veenstra AE, et al. **EMBO J** 1984 Jun; 3(6):1377–82

Transcriptional regulation of a herpes simplex virus immediate early gene is mediated through an enhancer–type sequence. Lang JC, et al. **EMBO J** 1984 Feb;3(2):389–95

Yeast RNA polymerase II initiates transcription in vitro at TATA sequences proximal to potential non–B forms of the DNA template. Lescure B, et al. **EMBO J** 1984 May; 3(5):1067–73

In vivo transcription of a eukaryotic regulatory gene. Losson R, et al. **EMBO J** 1983;2(12):2179–84

Transient expression of the chicken lysozyme gene after transfer into human cells. Matthias PD, et al. **EMBO J** 1982;1(10):1207–12

Expression of the clustered mitochondrial tRNA genes in Saccharomyces cerevisiae: transcription and processing of transcripts. Palleschi C, et al. **EMBO J** 1984 Jun; 3(6):1389–95

Homologous control sites and DNA transcription starts in the related argF and argI genes of Escherichia coli K12. Piette J, et al. **EMBO J** 1982;1(7):853–7

Transcriptional analysis of human zeta globin genes. Proudfoot NJ, et al. **EMBO J** 1984 Jul;3(7):1533–40

Isolation of a class C transcription factor which forms a stable complex with tRNA genes. Ruet A, et al. **EMBO J** 1984 Feb;3(2):343–50

Inhibition of eukaryotic tRNA transcription by potential Z–DNA sequences. Santoro C, et al. **EMBO J** 1984 Jul; 3(7):1553–9

Two different types of transcription for the myelocytomatosis viruses MH2 and CMII. Saule S, et al. **EMBO J** 1983; 2(6):805–9

Shuffling adenovirus promoters: a viral recombinant with early region 1A under late transcriptional control. Solnick D. **EMBO J** 1983;2(6):845–51

Expression of cholinesterase gene(s) in human brain tissues: translational evidence for multiple mRNA species. Soreq H, et al. **EMBO J** 1984 Jun;3(6):1371–5

Transcription from efficient promoters can interfere with plasmid replication and diminish expression of plasmid specified genes. Stueber D, et al. **EMBO J** 1982; 1(11):1399–404

Sequence requirement for transcription in vivo of the human preproenkephalin A gene. Terao M, et al. **EMBO J** 1983; 2(12):2223–8

Drosophila maternal and embryo mRNAs transcribed from a single transcription unit use alternate combinations of exons. Vincent A, et al. **EMBO J** 1984 May;3(5):1003–13

Xenopus laevis U1 snRNA genes: characterisation of transcriptionally active genes reveals major and minor repeated gene families. Zeller R, et al. **EMBO J** 1984 May; 3(5):1075–81

Selective transcription of a cloned cauliflower mosaic virus DNA fragment in vitro by soybean RNA polymerase II in the presence of dinucleotide primers. Cooke RM, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):365–71

The duck alpha A globin but not the yeast actin gene is transcribed by a HeLa cell extract. Hörcher R, et al. **Eur J Biochem** 1984 Mar 1;139(2):201–8

Structural organization of macronuclear chromatin of the ciliate Bursaria truncatella in resting cysts and at excysting. Tikhonenko AS, et al. **Eur J Cell Biol** 1984 Jan;33(1):37–42

Electron microscopic evidence for RNA polymerase loading at repeated sequences in non–transcribed spacers of D. virilis. Chooi WY, et al. **Exp Cell Res** 1984 Sep; 154(1):181–90

The cellular oncogenes c–myc, c–myb and c–erb are transcribed in defined types of avian hematopoietic cells. Coll J, et al. **Exp Cell Res** 1983 Nov;149(1):151–62

Silver positivity of the NORs during embryonic development of Xenopus laevis. De Capoa A, et al. **Exp Cell Res** 1983 Sep;147(2):472–8

Liposome–mediated insertion of intact DNA into isolated nuclei. Potential for a new in vitro transcription system. Marchetti D, et al. **Exp Cell Res** 1983 Nov;149(1):177–87

Chromatin structure, DNA synthesis and transcription through the lifespan of human embryonic lung fibroblasts. Puvion–Dutilleul F, et al. **Exp Cell Res** 1984 Apr; 151(2):283–98

A topological model for chromatin transcription and a role for nucleosome linkers. Grigoryev SA, et al. **FEBS Lett** 1983 Oct 3;162(1):1–4

Enhanced polypeptide synthesis programmed by linear DNA fragments in cell–free extracts lacking exonuclease V. Jackson M, et al. **FEBS Lett** 1983 Nov 14;163(2):221–4

Effect of the DNA–binding domain of poly(ADP–ribose)synthetase on accurate transcription initiation in a HeLa cell lysate. Ohtsuki M, et al. **FEBS Lett** 1984 Mar 26;168(2):275–7

Nucleotide sequence of a yeast tRNAArg3A gene and its transcription in a homologous in vitro system. Villanueva J, et al. **FEBS Lett** 1984 Feb 13;167(1):165–9

The initiation site for transcription of the TMV 30–kDa protein messenger RNA. Watanabe Y, et al. **FEBS Lett** 1984 Jul 23;173(1):247–50

The gene coding for lipoprotein signal peptidase (lspA) and that for isoleucyl–tRNA synthetase (ileS) constitute a cotranscriptional unit in Escherichia coli. Yamada H, et al. **FEBS Lett** 1984 Jun 11;171(2):245–8

Evidence for the coupling of T7 DNA injection with its transcription during infection. Zavriev SK, et al. **FEBS Lett** 1984 Jan 2;165(1):31–4

A novel eukaryotic promoter element: the simian virus 40 72 base pair repeat. Wasylyk B, et al. **Fed Proc** 1984 Feb; 43(2):226–34

Promoter recognition and transcription initiation in E. coli. Ehrlich R, et al. **Folia Biol (Praha)** 1984;30 Spec No:105–18

Possible hyperattenuation of transcription in the Escherichia coli hisG gene cloned in Bacillus subtilis. Ferretti L, et al. **Folia Biol (Praha)** 1984;30 Spec No:29–35

Genome organization and transcription in archaebacteria. Schnabel H, et al. **Folia Biol (Praha)** 1984;30 Spec No:2–6

Transcriptional control of the uvrD gene of Escherichia coli. Arthur HM, et al. **Gene** 1983 Nov;25(2–3):309–16

Toxicity of an overproduced foreign gene product in Escherichia coli and its use in plasmid vectors for the selection of transcription terminators. Brosius J. **Gene** 1984 Feb;27(2):161–72

The selection and characterisation of two novel mutations in the overlapping promoters of the Escherichia coli galactose operon. Busby S, et al. **Gene** 1984 May; 28(2):201–9

Streptomyces lividans RNA polymerase recognizes and uses Escherichia coli transcriptional signals. Jaurin B, et al. **Gene** 1984 Apr;28(1):83–91

Nucleotide sequences of two regions of the human genome containing tRNAAsn genes. Ma DP, et al. **Gene** 1984 May; 28(2):257–62

Structural analysis of the dnaA and dnaN genes of Escherichia coli. Ohmori H, et al. **Gene** 1984 May; 28(2):159–70

The 5'–terminal ribonucleotide of an in vitro ColE1 transcript is not complementary to the DNA template. Parker RC. **Gene** 1983 Dec;26(2–3):127–36

Transcription terminator involved in the expression of the int gene of phage lambda. Schmeissner U, et al. **Gene** 1984 Jun;28(3):343–50

Mapping of the Q–utilization site (qut) required for antitermination of late transcription in bacteriophage lambda. Somasekhar G, et al. **Gene** 1983 Dec;26(2–3):291–4

Molecular cloning of the rDNA of Saccharomyces rosei and comparison of its transcription initiation region with that of Saccharomyces carlsbergensis. Verbeet MP, et al. **Gene** 1983 Jul;23(1):53–63

Escherichia coli RNA polymerase binding sites and transcription initiation sites in the transposon Tn3. Wishart WL, et al. **Gene** 1983 Sep;24(1):99–113

In situ evaluation of the functional state of chromatin by means of Quinacrine Mustard staining and time–resolved fluorescence microscopy. Bottiroli G, et al. **Histochem J** 1984 Mar;16(3):223–33

Approaches to the study of hormonal regulation of gene expression. Wynshaw–Boris AJ, et al. **Horiz Biochem Biophys** 1983;7:171–203 (86 ref.)

Characterization of subunits of transcriptionally active & inactive chromatin of Yoshida ascites tumour cells: composition & transcription functions. Ramakrishnan N, et al. **Indian J Biochem Biophys** 1983 Feb;20(1):1–7

Cloning and expression of Legionella pneumophila antigens in Escherichia coli. Engleberg NC, et al. **Infect Immun** 1984 May;44(2):222–7

Cloning and expression of Treponema pallidum (Nichols) antigen genes in Escherichia coli. Norgard MV, et al. **Infect Immun** 1983 Nov;42(2):435–45

Morphology of transcription at cellular and molecular levels. Puvion–Dutilleul F. **Int Rev Cytol** 1983;84:57–101 (234 ref.)

Evidence for antitermination in Escherichia coli RRNA transcription. Aksoy S, et al. **J Bacteriol** 1984 Jul; 159(1):260–4

In vitro coupled transcription–translation of linear DNA fragments in a lysate derived from a recB rna pnp strain of Escherichia coli. Bassett CL, et al. **J Bacteriol** 1983 Dec; 156(3):1359–62

Post–transcriptional control of L–1,2–propanediol oxidoreductase in the L–fucose pathway of Escherichia coli K–12. Chen YM, et al. **J Bacteriol** 1984 Jan; 157(1):341–4

Sequence of the Saccharomyces GAL region and its transcription in vivo. Citron BA, et al. **J Bacteriol** 1984 Apr;158(1):269–78

Variation of levels of mRNA coding for antenna and reaction center polypeptides in Rhodopseudomonas capsulata in response to changes in oxygen concentration. Clark WG, et al. **J Bacteriol** 1984 Mar;157(3):945–8

Cloning and expression in Escherichia coli of Serratia marcescens genes encoding prodigiosin biosynthesis. Dauenhauer SA, et al. **J Bacteriol** 1984 Jun;158(3):1128–32

Complete nucleotide sequence and start sites for transcription and translation of the Bacillus megaterium protein C gene. Fliss ER, et al. **J Bacteriol** 1984 Jun;158(3):809–13

Genetic mapping and transcriptional orientation of the fimD gene. Freitag CS, et al. **J Bacteriol** 1983 Dec;156(3):1052–8

Physical mapping and complementation analysis of transposon Tn5 mutations in Caulobacter crescentus: organization of transcriptional units in the hook gene cluster. Ohta N, et al. **J Bacteriol** 1984 Jun;158(3):897–904

Relative activities of the transcriptional regulatory sites in the rplKAJLrpoBC gene cluster of Escherichia coli. Ralling G, et al. **J Bacteriol** 1984 Apr;158(1):279–85

Effect of purine and pyrimidine limitations on RNA synthesis in Bacillus subtilis. Vasantha N, et al. **J Bacteriol** 1984 Jun; 158(3):884–9

Conformation and template activity of human reovirus genome RNA. Nagai J, et al. **J Biochem (Tokyo)** 1984 Mar; 95(3):679–84

Transcription of cloned actin genes of Dictyostelium

discoideum in the cell-free system. Takiya S, et al. J Biochem (Tokyo) 1984 May;95(5):1367-77
Effects of promoter strengths and growth conditions on copy number of transcription-fusion vectors. Adams CW, et al. J Biol Chem 1984 Jun 25;259(12):7399-403
Physical properties and DNA-binding stoichiometry of a 5 S gene-specific transcription factor. Bieker JJ, et al. J Biol Chem 1984 May 25;259(10):6158-64
Partial purification of Drosophila Kc cell RNA polymerase III transcription components. Evidence for shared 5 S RNA and tRNA gene factors. Burke DJ, et al. J Biol Chem 1983 Dec 25;258(24):15224-31
Tissue-specific expression of genes encoding apolipoprotein E and apolipoprotein A-I in rabbits. Chao YS, et al. J Biol Chem 1984 Apr 25;259(8):5306-9
In vivo and in vitro transcription of the Escherichia coli glutaminyl-tRNA synthetase gene. Cheung AY, et al. J Biol Chem 1984 Aug 10;259(15):9953-8
Identification of multiple transcriptional initiation sites on the yeast mitochondrial genome by in vitro capping with guanylyltransferase. Christianson T, et al. J Biol Chem 1983 Nov 25;258(22):14025-33
Chromatin structure, transcription, and methylation of the prolactin gene domain in pituitary tumors of Fischer 344 rats. Durrin LK, et al. J Biol Chem 1984 Jun 10; 259(11):7086-93
Chromatin structure and transcriptional activity of an X-linked heat shock gene in drosophila pseudoobscura. Eissenberg JC, et al. J Biol Chem 1983 Nov 25; 258(22):13986-91
Interactions between RNA polymerase II, factors, and template leading to accurate transcription. Fire A, et al. J Biol Chem 1984 Feb 25;259(4):2509-16
HeLa cell RNA polymerase III transcription factors. Functional characterization of a fraction identified by its activity in a second template rescue assay. Fuhrman SA, et al. J Biol Chem 1984 Feb 10;259(3):1934-43
Modification and processing of Bacillus licheniformis prepenicillinase in Escherichia coli. Fate of mutant penicillinase lacking lipoprotein modification site. Hayashi S, et al. J Biol Chem 1984 Aug 25;259(16):10448-54
Analysis of the stimulatory factor of RNA polymerase II in the initiation and elongation complex. Horikoshi M, et al. J Biol Chem 1984 Jan 10;259(1):608-11
Three regions of a yeast tRNALeu3 gene promote RNA polymerase III transcription. Johnson JD, et al. J Biol Chem 1984 May 10;259(9):5990-4
In vitro transcription from the adenovirus 2 major late promoter utilizing templates truncated at promoter-proximal sites. Jove R, et al. J Biol Chem 1984 Jul 10;259(13):8513-21
Promoter selectivity of Escherichia coli RNA polymerase. Differential stringent control of the multiple promoters from ribosomal RNA and protein operons. Kajitani M, et al. J Biol Chem 1984 Feb 10;259(3):1951-7
S1 nuclease mapping analysis of ribosomal RNA processing in wild type and processing deficient Escherichia coli. King TC, et al. J Biol Chem 1983 Oct 10;258(19):12034-42
Selective ligation of DNA molecules following microinjection. Kopchick JJ, et al. J Biol Chem 1983 Oct 10;258(19):11528-36
Stability of an RNA secondary structure affects in vitro transcription pausing in the trp operon leader region. Landick R, et al. J Biol Chem 1984 Sep 25;259(18):11550-5
Characterization of tRNA precursor splicing in mammalian extracts. Laski FA, et al. J Biol Chem 1983 Oct 10; 258(19):11974-80
Specific transcription of an adenoviral gene that possesses no TATA sequence homology in extracts of HeLa cells. Leong K, et al. J Biol Chem 1984 Sep 25;259(18):11527-33
In vitro transcription initiation by purified RNA polymerase II within the adenovirus 2 major late promoter region. Mishoe H, et al. J Biol Chem 1984 Feb 25;259(4):2236-42
Specificity of release by Escherichia coli transcription termination factor rho of nascent mRNA transcripts initiated at the lambda PR. Morgan WD, et al. J Biol Chem 1984 Jul 10;259(13):8664-71
Preferential stimulation of transcription from simian virus 40 late and adeno IVa2 promoters in a HeLa cell extract. Natarajan V, et al. J Biol Chem 1983 Dec 10; 258(23):14652-5
In vitro transcription of Drosophila actin and 70,000-dalton heat shock protein genes. Nierman WC, et al. J Biol Chem 1983 Oct 25;258(20):12618-23
Molecular cloning of cDNA sequences for rat M2-type pyruvate kinase and regulation of its mRNA. Noguchi T, et al. J Biol Chem 1984 Feb 25;259(4):2651-5
Cloning and regulation of messenger RNA for mouse apolipoprotein E. Reue KL, et al. J Biol Chem 1984 Feb 25;259(4):2100-7
Differentiation-dependent chromatin alterations precede and accompany transcription of immunoglobulin light chain genes. Rose SM, et al. J Biol Chem 1984 Jul 10; 259(13):8534-44
Dinucleotide priming of transcription mediated by RNA polymerase II. Samuels M, et al. J Biol Chem 1984 Feb 25;259(4):2517-25
Energy requirement for specific transcription initiation by the human RNA polymerase II system. Sawadogo M, et al. J Biol Chem 1984 Apr 25;259(8):5321-6
The extent of a eukaryotic tRNA gene. 5'- and 3'-flanking sequence dependence for transcription and stable complex formation. Schaack J, et al. J Biol Chem 1984 Feb 10; 259(3):1461-7
Transcripts homologous to a long repeated DNA element in the human genome. Schmeckpeper BJ, et al. J Biol Chem 1984 Jan 25;259(2):1218-25
Rho-dependent termination and concomitant NTPase activity requires a specific, intact RNA region. Sharp JA, et al. J Biol Chem 1984 Feb 25;259(4):2268-73
Apolipoprotein II messenger RNA. Transcriptional and splicing heterogeneity yields six 5'-untranslated leader sequences. Shelness GS, et al. J Biol Chem 1984 Aug 10; 259(15):9929-35
Synthesis of human U1 RNA. II. Identification of two regions of the promoter essential for transcription initiation at position +1. Skuzeski JM, et al. J Biol Chem 1984 Jul 10;259(13):8345-52
Correlations between transcription of a yeast tRNA gene and transcription factor-DNA interactions. Stillman DJ, et al. J Biol Chem 1984 Jun 25;259(12):7955-62
oli1 Transcripts in wild type and in a cytoplasmic 'petite' mutant of yeast. Thalenfeld BE, et al. J Biol Chem 1983 Dec 10;258(23):14065-8
Overlapping promoters transcribed by bacillus subtilis sigma 55 and sigma 37 RNA polymerase holoenzymes during growth and stationary phases. Wang PZ, et al. J Biol Chem 1984 Jul 10;259(13):8619-25
Dinucleotide primers facilitate convenient identification of the mouse ribosomal DNA transcription initiation site. A general method for analysis of transcription by RNA polymerases I and III. Wilkinson JA, et al. J Biol Chem 1983 Nov 25;258(22):13919-28
Identification and in vitro capping of a primary transcript of human mitochondrial DNA. Yoza BK, et al. J Biol Chem 1984 Mar 25;259(6):3909-15
Synthesis, intracellular processing, and signal peptide of human apolipoprotein E. Zannis VI, et al. J Biol Chem 1984 May 10;259(9):5495-9
Origins of transcripts of the yeast mitochondrial var 1 gene. Zassenhaus HP, et al. J Biol Chem 1984 May 10; 259(9):6019-27
Expression of GC clusters in the yeast mitochondrial var 1 gene. Transcription into stable RNAs. Zassenhaus HP, et al. J Biol Chem 1984 Jul 10;259(13):8417-21
Selective in vitro transcription of chloroplast genes. Gruissem W, et al. J Cell Biochem 1983;22(1):31-46
Dihydrofolate reductase gene expression in cultured mouse cells is regulated by transcript stabilization in the nucleus. Leys EJ, et al. J Cell Biol 1984 Jul;99(1 Pt 1):180-7
Timing of the appearance of macronuclear-specific histone variant hv1 and gene expression in developing new macronuclei of Tetrahymena thermophila. Wenkert D, et al. J Cell Biol 1984 Jun;98(6):2107-17
In vitro and in vivo analysis of the control of dihydrofolate reductase gene transcription in serum-stimulated mouse fibroblasts. Santiago C, et al. J Cell Physiol 1984 Jan; 118(1):79-86
The relationship between cleavage, DNA replication, and gene expression in the mouse 2-cell embryo. Bolton VN, et al. J Embryol Exp Morphol 1984 Feb;79:139-63
Transcription and polyadenylation processes during early development of quail embryo. Olszańska B, et al. J Embryol Exp Morphol 1984 Feb;79:11-24
Transcriptional control of HLA-A,B,C antigen in human placental cytotrophoblast isolated using trophoblast- and HLA-specific monoclonal antibodies and the fluorescence-activated cell sorter. Kawata M, et al. J Exp Med 1984 Sep 1;160(3):633-51
Transcriptional regulation of the mu-delta heavy chain locus in normal murine B lymphocytes. Yuan D, et al. J Exp Med 1984 Aug 1;160(2):564-83
Location and direction of transcription of the ptsH and ptsI genes on the Escherichia coli K12 genome. Britton P, et al. J Gen Microbiol 1984 Apr;130 (Pt 4):861-8
Use of integrational plasmid vectors to demonstrate the polycistronic nature of a transcriptional unit (spoIIA) required for sporulation of Bacillus subtilis. Piggot PJ, et al. J Gen Microbiol 1984 Aug;130 (Pt 8):2123-36
Genetic evidence for the direction of transcription of the trfA gene of broad host range plasmid RK2. Thomas CM. J Gen Microbiol 1984 Jul;130 (Pt 7):1641-50
Heterocyst differentiation in Cylindrospermum licheniforme: studies on the role of transcription. Van de Water S, et al. J Gen Microbiol 1984 Apr;130 (Pt 4):789-96
Characterization of eukaryotic transcriptional control signals by assay of herpes simplex virus type 1 thymidine kinase. Lang JC, et al. J Gen Virol 1983 Dec;64 (Pt 12):2679-96
Rabbit class I MHC genes: cDNA clones define full-length transcripts of an expressed gene and a putative pseudogene. Tykocinski ML, et al. J Immunol 1984 Oct;133(4):2261-9
Regulation of HSV transcription. Wagner EK. J Invest Dermatol 1984 Jul;83(1 Suppl):48s-52s
Multiple, discrete 35S transcripts of cauliflower mosaic virus. Condit C, et al. J Mol Appl Genet 1983;2(3):301-14
Control of late simian virus 40 transcription by the attenuation mechanism and transcriptionally active ternary complexes are associated with the nuclear matrix. Abulafia R, et al. J Mol Biol 1984 Feb 5;172(4):467-87
Transcriptional control of IS1 transposition in Escherichia coli. Biel SW, et al. J Mol Biol 1984 Apr 5;174(2):251-64
Transcripts, genes and bands in 315,000 base-pairs of Drosophila DNA. Hall LM, et al. J Mol Biol 1983 Sep 5;169(1):83-96
Specific in vitro transcription of the insertion sequence IS2. Hinton DM, et al. J Mol Biol 1983 Sep 5;169(1):53-81
Transcription of the sulA gene and repression by LexA. Mizusawa S, et al. J Mol Biol 1983 Dec 15;171(3):337-43
A rho-dependent transcription termination signal in bacteriophage f1. Moses PB, et al. J Mol Biol 1984 Jan 5;172(1):1-22
Characterization of rat ribosomal DNA. The highly repetitive sequences that flank the ribosomal RNA transcription unit are homologous and contain RNA polymerase III transcription initiation sites. Mroczka DL, et al. J Mol Biol 1984 Mar 25;174(1):141-62
Effect of topological constraint on transcription of ribosomal DNA in Xenopus oocytes. Comparison of plasmid and endogenous genes. Pruitt SC, et al. J Mol Biol 1984 Mar 25;174(1):121-39
Induced transcription of the mouse beta-globin transcription unit in erythroleukemia cells. Time-course of induction and of changes in chromatin structure. Salditt-Georgieff M, et al. J Mol Biol 1984 Feb 5;172(4):437-50
Gene expression in murine erythroleukemia cells. Transcriptional control and chromatin structure of the alpha 1-globin gene. Sheffery M, et al. J Mol Biol 1984 Feb 5;172(4):417-36
Role of cII protein in stimulating transcription initiation at the lambda PRE promoter. Enhanced formation and stabilization of open complexes. Shih MC, et al. J Mol Biol 1984 Feb 5;172(4):489-506
Yeast H3 and H4 histone messenger RNAs are transcribed from two non-allelic gene sets. Smith MM, et al. J Mol Biol 1983 Sep 25;169(3):641-61
Transcription start site and induction kinetics of the araC regulatory gene in Escherichia coli K-12. Stoner CM, et al. J Mol Biol 1983 Nov 15;170(4):1049-53
Transcription of a gene cluster coding for two aminoacyl-tRNA synthetases and an initiation factor in Escherichia coli. Wu TH, et al. J Mol Biol 1984 Feb 25; 173(2):177-209
Mutationally altered 3' ends of yeast CYC1 mRNA affect transcript stability and translational efficiency. Zaret KS, et al. J Mol Biol 1984 Jul 25;177(1):107-35
Regulation of ribosomal RNA transcription during differentiation of Acanthamoeba castellanii: a review. Paule MR. J Protozool 1983 May;30(2):211-4 (34 ref.)
A model for transcriptional regulation based upon homology between introns and promoter regions and secondary structure in the promoter regions: the human globins. Lavett DK. J Theor Biol 1984 Mar 7;107(1):1-36
Self-transcription: RNA polymerase transcription of its own genes, and its role in cellular differentiation and cell cycling. Sanders DA. J Theor Biol 1984 Jan 21; 106(2):171-82
Expression of defective-interfering influenza virus-specific transcripts and polypeptides in infected cells. Akkina RK, et al. J Virol 1984 Aug;51(2):395-403
Immediate-early transcription of Herpesvirus saimiri. Bodemer W, et al. J Virol 1984 Aug;51(2):452-7
A transcript from the S segment of the Germiston bunyavirus is uncapped and codes for the nucleoprotein and a nonstructural protein. Bouloy M, et al. J Virol 1984 Mar; 49(3):717-23
High-resolution characterization of herpes simplex virus type 1 transcripts encoding alkaline exonuclease and a 50,000-dalton protein tentatively identified as a capsid protein. Costa RH, et al. J Virol 1983 Dec;48(3):591-603
Direction of transcription in bacteriophage T5 first-step transfer DNA. Davison J, et al. J Virol 1984 May; 50(2):629-31
Specific interactions of vesicular stomatitis virus L and NS proteins with heterologous genome ribonucleoprotein template lead to mRNA synthesis in vitro. De BP, et al. J Virol 1984 Sep;51(3):628-34
Transcriptional organization of bovine papillomavirus type 1. Engel LW, et al. J Virol 1983 Sep;47(3):516-28
Simian virus 40 late promoter region able to initiate simian virus 40 early gene transcription in the absence of the simian virus 40 origin sequence. Ernoult-Lange M, et al. J Virol 1984 Apr;50(1):163-73
Nucleotide sequence of an mRNA transcribed in latent growth-transforming virus infection indicates that it may encode a membrane protein. Fennewald S, et al. J Virol 1984 Aug;51(2):411-9
RNA-primed initiation of Moloney murine leukemia virus plus strands by reverse transcriptase in vitro. Finston WI, et al. J Virol 1984 Jul;51(1):26-33
Two distant clusters of partially homologous small repeats of Epstein-Barr virus are transcribed upon induction of an abortive or lytic cycle of the virus. Freese UK, et al. J Virol 1983 Dec;48(3):731-43
Physical state and transcription of the cottontail rabbit papillomavirus genome in warts and transplantable VX2 and VX7 carcinomas of domestic rabbits. Georges E, et al. J Virol 1984 Aug;51(2):530-8
Transcriptional and translational analysis of a strongly expressed early region of the vaccinia virus genome. Golini F, et al. J Virol 1984 Feb;49(2):459-70
Effect of the beta-gamma phosphate bond of ATP on synthesis of leader RNA and mRNAs of vesicular stomatitis virus. Green TL, et al. J Virol 1984 Apr;50(1):255-7
Transcriptional control of the bovine leukemia virus genome: role and characterization of a non-immunoglobulin plasma protein from bovine leukemia virus-infected cattle. Gupta

P, et al. J Virol 1984 Apr;50(1):267–70
Nucleotide sequence of an aberrant glycoprotein mRNA synthesized by the internal deletion mutant of vesicular stomatitis virus. Herman RC. J Virol 1984 May;50(2):524–8
Transcriptional and genetic analyses of the herpes simplex virus type 1 genome: coordinates 0.29 to 0.45. Holland LE, et al. J Virol 1984 Mar;49(3):947–59
Expression of genes introduced into cells by retroviral infection is more efficient than that of genes introduced into cells by DNA transfection. Hwang LH, et al. J Virol 1984 May;50(2):417–24
RNAs transcribed from a 3.6–kilobase SmaI fragment of the short unique region of the herpes simplex virus type 1 genome. Ikura K, et al. J Virol 1983 Nov;48(2):460–71
Predominant immediate–early transcripts of human cytomegalovirus AD 169. Jahn G, et al. J Virol 1984 Feb; 49(2):363–70
Temporal regulation of murine cytomegalovirus transcription and mapping of viral RNA synthesized at immediate early times after infection. Keil GM, et al. J Virol 1984 Jun; 50(3):784–95
Virus–specific transcription in a Herpesvirus saimiri–transformed lymphoid tumor cell line. Knust E, et al. J Virol 1983 Nov;48(2):377–83
Arrangement of late RNAs transcribed from a 7.1–kilobase EcoRI vaccinia virus DNA fragment. Mahr A, et al. J Virol 1984 Feb;49(2):510–20
Organization of six early transcripts synthesized from a vaccinia virus EcoRI DNA fragment. Mahr A, et al. J Virol 1984 Feb;49(2):497–509
Characterization of a temperature–sensitive defect of enterovirus 70: effect of elevated temperature on in vitro transcription. Miyamura K, et al. J Virol 1984 Jul; 51(1):192–8
Mapping of the cohesive overlap of duck hepatitis B virus DNA and of the site of initiation of reverse transcription. Molnar–Kimber KL, et al. J Virol 1984 Jul;51(1):181–91
Organization of RNA transcripts from a vaccinia virus early gene cluster. Morgan JR, et al. J Virol 1984 Aug; 51(2):283–97
ATP is required for initiation of poliovirus RNA synthesis in vitro: demonstration of tyrosine–phosphate linkage between in vitro–synthesized RNA and genome–linked protein. Morrow CD, et al. J Virol 1984 May;50(2):515–23
Differences exist between viral transcripts in cottontail rabbit papillomavirus–induced benign and malignant tumors as well as non–virus–producing and virus–producing tumors. Nasseri M, et al. J Virol 1984 Sep;51(3):706–12
Characterization of La Crosse virus small–genome transcripts. Patterson JL, et al. J Virol 1984 Mar; 49(3):680–5
N protein alone satisfies the requirement for protein synthesis during RNA replication of vesicular stomatitis virus. Patton JT, et al. J Virol 1984 Feb;49(2):303–9
ATP dependence of vesicular stomatitis virus transcription initiation and modulation by mutation in the nucleocapsid protein. Perrault J, et al. J Virol 1984 Sep;51(3):635–42
Sequences locating the 5' ends of the major simian virus 40 late mRNA forms. Piatak M, et al. J Virol 1983 Nov; 48(2):503–20
Analysis of DNA sequences which regulate the transcription of a herpes simplex virus immediate early gene. Preston CM, et al. J Virol 1984 Jun;50(3):708–16
Asymmetric transcription of mouse mammary tumor virus genes in vivo and in vitro. Prewitt RS, et al. J Virol 1984 Apr;50(1):60–5
Epstein–Barr virus transcription in nasopharyngeal carcinoma. Raab–Traub N, et al. J Virol 1983 Dec; 48(3):580–90
Characterization of the major mRNAs transcribed from the genes for glycoprotein B and DNA–binding protein ICP8 of herpes simplex virus type 1. Rafield LF, et al. J Virol 1984 Mar;49(3):960–9
Transcription of the hepatitis B surface antigen gene in cultured murine cells initiates within the presurface region. Standring DN, et al. J Virol 1984 May;50(2):563–71
A defective retrovirus particle (SE21Q1b) packages and reverse transcribes cellular RNA, utilizing tRNA–like primers. Taylor JM, et al. J Virol 1984 Aug;51(2):267–71
T4–induced antipolarity: temporal heterogeneity in response of early transcription units. Thermes C, et al. J Virol 1984 Apr;50(1):191–201
Regulation of expression and nucleotide sequence of a late vaccinia virus gene. Weir JP, et al. J Virol 1984 Sep; 51(3):662–9
Electron microscopic studies of transcriptional complexes released from vaccinia cores during RNA–synthesis in vitro: methods for fractionation of transcriptional complexes. Esteban M, et al. J Virol Methods 1983 Aug; 7(2):73–92
Altered transcription of an oncogene in chronic myeloid leukaemia. Canaani E, et al. Lancet 1984 Mar 17; 1(8377):593–5
Disproportionate synthesis of Semiliki Forest virus 42S and 26S RNAs in polyamine–depleted baby hamster kidney cells. Tuomi K. Med Biol 1983;61(4):199–202
General theory of cell regulation. Biró J. Med Hypotheses 1983 Nov;12(3):203–26
Molecular cloning of middle–abundant mRNAs from Neurospora crassa. Viebrock A, et al. Methods Enzymol 1983;97:254–60
Cloning and orientation of the gene encoding aminopeptidase N in Escherichia coli. Bally M, et al. MGG 1984; 195(3):507–10
Transcription initiation in eukaryotes: analysis of heterologous in vitro systems utilizing components from mammalian and yeast cells. Bitter GA. MGG 1983; 191(3):434–41
Analysis in vivo of factors affecting the control of transcription initiation at promoters containing target sites for trp repressor. Bogosian G, et al. MGG 1984; 193(1):110–8
Transcription of the trpR gene of Escherichia coli: an autogeneously regulated system studied by direct measurements of mRNA levels in vivo. Bogosian G, et al. MGG 1984;193(2):244–50
Gene organization in the distal part of the Salmonella typhimurium histidine operon and determination and sequence of the operon transcription terminator. Carlomagno MS, et al. MGG 1983;191(3):413–20
A temporally regulated promoter from Bacillus subtilis is transcribed only by an RNA polymerase with a 37,000 dalton sigma factor. Goldfarb DS, et al. MGG 1983; 191(2):319–25
Sequence of the regulatory region of omp T, the gene specifying major outer membrane protein a (3b) of Escherichia coli K–12: implications for regulation and processing. Gordon G, et al. MGG 1984;193(3):414–21
Regulation of transcription of glnA, the structural gene encoding glutamine synthetase, in glnA::Mu d1 (ApR, lac) fusion strains of Salmonella typhimurium. Krajewska–Grynkiewicz K, et al. MGG 1983; 192(1–2):187–97
Evidence that nitrogen regulatory gene ntrC of Salmonella typhimurium is transcribed from the glnA promoter as well as from a separate ntr promoter. Krajewska–Grynkiewicz K, et al. MGG 1984;193(1):135–42
Transcription in bacteriophage f1–infected Escherichia coli: RNA synthesized on DNA of deletion mutant PII shows the existence of a two–site terminator. La Farina M, et al. MGG 1984;195(3):411–7
Promotion, termination, and anti–termination in the rpsU–dnaG–rpoD macromolecular synthesis operon of E. coli K–12. Lupski JR, et al. MGG 1984;195(3):391–401
Promoter selectivity of Escherichia coli RNA polymerase. II: Altered promoter selection by mutant holoenzymes. Nomura T, et al. MGG 1984;193(1):8–16
A control system which causes alternating turn–off/turn–on of transcription on insertion element IS1. Rak B. MGG 1983;192(1–2):61–5
Transcription in the trfA region of broad host range plasmid RK2 is regulated by trfB and korB. Shinger V, et al. MGG 1984;195(3):523–9
Mutagenesis of the metJBLF gene cluster with transposon Tn5: localization of the metF transcription unit. Treat ML, et al. MGG 1984;193(2):370–5
Accurate transcription of a cloned gene from Babesia bovis in Saccharomyces cerevisiae. Kemp DJ, et al. Mol Biochem Parasitol 1984 May;12(1):61–7
Transcription of 5S RNA by RNA polymerase III from genomic bovine DNA templates. Furth JJ, et al. Mol Biol Rep 1983 Aug;9(3):163–7
Mapping of promoter–proximal regions by in vitro transcription of two Agrobacterium tumefaciens Ti–plasmids. Risuelo G, et al. Mol Biol Rep 1984 Jul; 10(1):49–55
Changes in the chromatin of the brain of developing rats: phosphorylation of chromosomal proteins and modulation of transcription. Supakar PC, et al. Mol Biol Rep 1983 Aug; 9(3):185–9
Regulation of expression of genes for enzymes of the mammalian urea cycle in permanent cell–culture lines of hepatic and non–hepatic origin. Haggerty DF, et al. Mol Cell Biochem 1983;53–54(1–2):57–76
Eukaryotic transcription complexes. von Beroldingen CH, et al. Mol Cell Biochem 1984 Jun;62(2):97–108 (70 ref.)
Characteristics of the binding of RNA polymerase to template in mouse liver nuclei. Warnick CT, et al. Mol Cell Biochem 1983;55(2):113–8
Changes in liver–specific compared to common gene transcription during primary culture of mouse hepatocytes. Clayton DF, et al. Mol Cell Biol 1983 Sep;3(9):1552–61
Physical change in cytoplasmic messenger ribonucleoproteins in cells treated with inhibitors of mRNA transcription. Dreyfuss G, et al. Mol Cell Biol 1984 Mar;4(3):415–23
Initiation by RNA polymerase II and formation of runoff transcripts containing unblocked and unmethylated 5' termini. Ernst H, et al. Mol Cell Biol 1983 Dec;3(12):2172–9
Rapid reversible changes in the rate of histone gene transcription and histone mRNA levels in mouse myeloma cells. Graves RA, et al. Mol Cell Biol 1984 Feb;4(2):351–7
Requirement for distal upstream sequences for maximal transcription in vitro of early region IV of adenovirus. Handa H, et al. Mol Cell Biol 1984 Apr;4(4):791–8
Pausing and termination of human RNA polymerase II transcription at a procaryotic terminator. Hatfield GW, et al. Mol Cell Biol 1983 Oct;3(10):1687–93
Structure and expression of mouse VL30 genes. Hodgson CP, et al. Mol Cell Biol 1983 Dec;3(12):2221–31
Derepression of citrate synthase in Saccharomyces cerevisiae may occur at the level of transcription. Hoosein MA, et al. Mol Cell Biol 1984 Feb;4(2):247–53
Adenovirus 5 E2 transcription unit: an E1A–inducible promoter with an essential element that functions independently of position or orientation. Imperiale MJ, et al. Mol Cell Biol 1984 May;4(5):875–82
Regulation of adenovirus transcription by an E1a gene in microinjected Xenopus laevis oocytes. Jones NC, et al. Mol Cell Biol 1983 Dec;3(12):2131–42
Transcriptional activation and subsequent control of the human heat shock gene during adenovirus infection. Kao HT, et al. Mol Cell Biol 1983 Nov;3(11):2058–65
Expression of the src and abl cellular oncogenes during development of Drosophila melanogaster. Lev Z, et al. Mol Cell Biol 1984 May;4(5):982–4
S1 mapping of purified nascent transcripts of simian virus 40. Lycan DE, et al. Mol Cell Biol 1984 Apr;4(4):625–33
La antigen recognizes and binds to the 3'–oligouridylate tail of a small RNA. Mathews MB, et al. Mol Cell Biol 1984 Jun;4(6):1134–40
Species–specific rDNA transcription is due to promoter–specific binding factors. Miesfeld R, et al. Mol Cell Biol 1984 Feb;4(2):221–7
Control of adenovirus E1B mRNA synthesis by a shift in the activities of RNA splice sites. Montell C, et al. Mol Cell Biol 1984 May;4(5):966–72
Fine mapping of an immunoglobulin gene activator. Queen C, et al. Mol Cell Biol 1984 Jun;4(6):1042–9
Homologous globin cell–free transcription system with comparison of heterologous factors. Tolunay HE, et al. Mol Cell Biol 1984 Jan;4(1):17–22
Abelson murine leukemia virus–transformed cells that lack p53 protein synthesis express aberrant p53 mRNA species. Wolf D, et al. Mol Cell Biol 1984 Mar;4(3):552–8
Transcription of the mouse ribosomal spacer region. Wood KM, et al. Mol Cell Biol 1984 May;4(5):822–8
Actively transcribed genes are associated with the nuclear matrix. Ciejek EM, et al. Nature 1983 Dec 8–14; 306(5943):607–9
Correct transcription of an immunoglobulin kappa gene requires an upstream fragment containing conserved sequence elements. Falkner FG, et al. Nature 1984 Jul 5–11; 310(5972):71–4
Role of reverse transcription in the generation of extrachromosomal copia mobile genetic elements. Flavell AJ. Nature 1984 Aug 9–15;310(5977):514–6
Activation of a translocated human c–myc gene by an enhancer in the immunoglobulin heavy–chain locus. Hayday AC, et al. Nature 1984 Jan 26–Feb 1; 307(5949):334–40
Transcription in oocytes of highly methylated rDNA from Xenopus laevis sperm. Macleod D, et al. Nature 1983 Nov 10–16;306(5939):200–3
C–myc transcript is induced in rat liver at a very early stage of regeneration or by cycloheximide treatment. Makino R, et al. Nature 1984 Aug 23–29;310(5979):697–8
What controls the transcription of immunoglobulin genes? [news] Perry RP. Nature 1984 Jul 5–11;310(5972):14–5
Transcription enhancer identified near the human C mu immunoglobulin heavy chain gene is unavailable to the translocated c–myc gene in a Burkitt lymphoma. Rabbitts TH, et al. Nature 1983 Dec 22–1984 Jan 4;306(5945):806–9
Identifier sequences are transcribed specifically in brain. Sutcliffe JG, et al. Nature 1984 Mar 15–21;308(5956):237–41
DNA sequence and transcription of the region upstream of the E. coli gyrB gene. Adachi T, et al. Nucleic Acids Res 1984 Aug 24;12(16):6389–95
Generation of long read–through transcripts in vivo and in vitro by deletion of 3' termination and processing sequences in the human tRNAimet gene. Adeniyi–Jones S, et al. Nucleic Acids Res 1984 Jan 25;12(2):1101–15
Transcription in vivo of an Alu family member upstream from the human epsilon–globin gene. Allan M, et al. Nucleic Acids Res 1984 Jan 25;12(2):1193–200
Persistence, methylation and expression of vitellogenin gene derivatives after injection into fertilized eggs of Xenopus laevis. Andres AC, et al. Nucleic Acids Res 1984 Mar 12; 12(5):2283–302
A new experimental approach for studying the association between RNA polymerase and the tet promoter of pBR322. Bertrand–Burggraf E, et al. Nucleic Acids Res 1984 Feb 10;12(3):1697–706
Localization and DNA sequence around the initiation site of ribosomal RNA transcription in Physarum polycephalum. Blum B, et al. Nucleic Acids Res 1983 Dec 10;11(23):8519–33
mRNA processing in Escherichia coli: an activity encoded by the host processes bacteriophage f1 mRNAs. Blumer KJ, et al. Nucleic Acids Res 1984 Feb 24;12(4):1847–61
Plasmids for the cloning and expression of full–length double–stranded cDNAs under control of the SV40 early or late gene promoter. Breathnach R, et al. Nucleic Acids Res 1983 Oct 25;11(20):7119–36
A computer algorithm for testing potential prokaryotic terminators. Brendel V, et al. Nucleic Acids Res 1984 May 25;12(10):4411–27
Transcription regulatory elements in the late region of bacteriophage T5 DNA. Brunel F, et al. Nucleic Acids Res 1983 Nov 11;11(21):7649–58
Physical structure of gene–sized chromatin from the protozoan Oxytricha. Butler AP, et al. Nucleic Acids Res 1984 Apr 11;12(7):3201–17
A novel approach to cloning transcriptionally active retrovirus–like genetic elements from mouse cells. Carter AT, et al. Nucleic Acids Res 1983 Sep 24;11(18):6243–54
Transcription of multimeric tRNA genes. Ciliberto G, et al.

Nucleic Acids Res 1984 Jan 25;12(2):1277–85
A stable transcription complex directs mouse ribosomal RNA synthesis by RNA polymerase I. Cizewski V, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7043–56
Transcription of a cloned Xenopus laevis H4 histone gene in the homologous frog oocyte system depends on an evolutionary conserved sequence motif in the –50 region. Clerc RG, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8641–57
Initiation of plasmid R1 replication in vitro is independent of transcription by host RNA polymerase. Diaz R, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5175–91
Transcription of the uvrD gene of Escherichia coli is controlled by the lexA repressor and by attenuation. Easton AM, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8625–40
Initiation of transcription of the yeast mitochondrial gene coding for ATPase subunit 9. Edwards JC, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8269–82
The adenovirus-2 EIIa early gene promoter: sequences required for efficient in vitro and in vivo transcription. Elkaim R, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7105–17
Nucleotide sequence of the 5'–terminal coding region for pre–rRNA and mature 17S rRNA in Tetrahymena thermophila rDNA. Engberg J, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):959–72
Use of complementary DNA oligomers to probe trp leader transcript secondary structures involved in transcription pausing and termination. Fisher R, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3295–302
The external transcribed spacer and preceding region of Xenopus borealis rDNA: comparison with the corresponding region of Xenopus laevis rDNA. Furlong JC, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8183–96
Six Schizosaccharomyces pombe tRNA genes including a gene for a tRNALys with an intervening sequence which cannot base–pair with the anticodon. Gamulin V, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8537–46
Association of an RNA polymerase III transcription factor with a ribonucleoprotein complex recognized by autoimmune sera. Gottesfeld JM, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3185–200
Alternative sites of transcription initiation upstream of the canonical cap site in human gamma–globin and beta–globin genes. Grindlay GJ, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):1811–20
A functional component of the sea urchin H2A gene modulator contains an extended sequence homology to a viral enhancer. Grosschedl R, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8123–36
Complete sequences of the intergenic and mRNA start signals in the Sendai virus genome: homologies with the genome of vesicular stomatitis virus. Gupta KC, et al. **Nucleic Acids Res** 1984 May 11;12(9):3829–41
Localization of the hsp83 transcript within a 3292 nucleotide sequence from the 63B heat shock locus of D. melanogaster. Hackett RW, et al. **Nucleic Acids Res** 1983 Oct 25;11(20):7011–30
DNA unwinding ability of Xenopus transcription factor A. Hanas JS, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1265–76
DNA sequence and transcription of a DNA minicircle isolated from male–fertile sugar beet mitochondria. Hansen BM, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4747–56
Attenuation in SV40 as a mechanism of transcription–termination by RNA polymerase B. Hay N, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1401–14
Differential expression of human interferon genes. Hiscott J, et al. **Nucleic Acids Res** 1984 May 11;12(9):3727–46
Detection of multiple, unspliced precursor mRNA transcripts for the Mr 32,000 thylakoid membrane protein from Euglena gracilis chloroplasts. Hollingsworth MJ, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):2001–17
A leucine tRNA gene adjacent to the QA gene cluster of Neurospora crassa. Huiet L, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5757–65
Complex RNA chain elongation kinetics by wheat germ RNA polymerase II. Job D, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3303–19
Transcription of methylated eukaryotic viral genes in a soluble in vitro system. Jove R, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4715–30
The in vivo and in vitro initiation site for transcription of the rRNA operon of Saccharomyces carlsbergensis. Klootwijk J, et al. **Nucleic Acids Res** 1984 Feb 10; 12(3):1377–90
Identification and isolation of transcribed human X chromosome DNA sequences. Kunkel LM, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7961–7
A potential stem–loop structure and the sequence CAAUCAA in the transcript are insufficient to signal rho–dependent transcription termination at lambda tR1. Lau LF, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1287–99
DNA sequence analysis of crown gall tumor T–DNA encoding the 0.7 kb transcript. McPherson JC. **Nucleic Acids Res** 1984 Mar 12;12(5):2317–25
The origin of the rRNA precursor from Xenopus borealis, analysed in vivo and in vitro. McStay B, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8167–81
Molecular cloning, sequence analysis and in vitro expression of a rat tRNA gene cluster. Makowski DR, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8609–24
Sequential stimulation of cellular RNA synthesis in polyoma–infected mouse kidney cell cultures. Matter JM, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6611–29
Transcription analysis of the lexA gene of Escherichia coli: attenuation and cotranscription with the neighboring region. Miki T, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):1203–17
Oligonucleotide mutagenesis of the lacPUV5 promoter. Munson LM, et al. **Nucleic Acids Res** 1984 May 11; 12(9):4011–7
Nucleotide sequence of the transcriptional initiation region of the yeast GAL7 gene. Nogi Y, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8555–68
Initiation of transcription in yeast mitochondria: analysis of origins of replication and of genes coding for a messenger RNA and a transfer RNA. Osinga KA, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1889–900
Sequence analysis of the transcribed and 5' non–transcribed regions of the ribosomal RNA gene in Dictyostelium discoideum. Ozaki T, et al. **Nucleic Acids Res** 1984 May 25;12(10):4171–84
Nucleotide sequence of thrC and of the transcription termination region of the threonine operon in Escherichia coli K12. Parsot C, et al. **Nucleic Acids Res** 1983 Nov 11; 11(21):7331–45
Possible DNA modification in GC dinucleotides of Trypanosoma brucei telomeric sequences; relationship with antigen gene transcription. Pays E, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5235–47
In vitro methylation of HpaII sites in Xenopus laevis rDNA does not affect its transcription in oocytes. Pennock DG, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):2225–32
Expression of the rpsO and pnp genes: structural analysis of a DNA fragment carrying their control regions. Portier C, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6091–102
Genes and pseudogenes in a reiterated rat tRNA gene cluster. Rosen A, et al. **Nucleic Acids Res** 1984 Jun 25; 12(12):4893–906
Transcription from SV 40–like monkey DNA sequences. Saffer JD, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4769–88
Formation of transcribing mononucleosome–eukaryotic RNA polymerase II complexes in vitro as a simple model of active chromatin. Sakuma K, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1415–26
Far upstream sequences are required for efficient transcription from the adenovirus–2 E1A transcription unit. Sassone–Corsi P, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8735–45
Organization of the transcriptional unit of a human class II histocompatibility antigen: HLA–DR heavy chain. Schamboeck A, et al. **Nucleic Acids Res** 1983 Dec 20; 11(24):8663–75
The sequence of the tms transcript 2 locus of the A. tumefaciens plasmid pTiA6 and characterization of the mutation in pTiA66 that is responsible for auxin attenuation. Sciaky D, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1447–61
Production of infectious poliovirus from cloned cDNA is dramatically increased by SV40 transcription and replication signals. Semler BL, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5123–41
Each element of the Drosophila tRNAArg gene split promoter directs transcription in Xenopus oocytes. Sharp S, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8677–90
Structure and in vitro transcription of a human H4 histone gene. Sierra F, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7069–86
Initiation and termination signals for transcription in bacteriophage M13. Smits MA, et al. **Nucleic Acids Res** 1984 May 25;12(10):4071–81
In vitro transcription of the Bacillus subtilis phage phi 29 DNA by Bacillus subtilis and Escherichia coli RNA polymerases. Sogo JM, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1943–60
Cloning and expression of a porcine prorelaxin gene in E. coli. Stewart AG, et al. **Nucleic Acids Res** 1983 Oct 11; 11(19):6597–609
Non–Alu family interspersed repeats in human DNA and their transcriptional activity. Sun L, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2669–90
In monkey COS cells only the TATA box and the cap site region are required for faithful and efficient initiation of the fibroin gene transcription. Tokunaga K, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1543–58
Statistical evaluation of the coding capacity of complementary DNA strands. Tramontano A, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5049–59
Accurate transcription of homologous 5S rRNA and tRNA genes and splicing of tRNA in vitro by soluble extracts of Neurospora. Tyler BM, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5737–55
Structure and regulation of gene expression of a Clo DF13 plasmid DNA region involved in plasmid segregation and incompatibility. van den Elzen PJ, et al. **Nucleic Acids Res** 1983 Dec 20;11(24):8791–808
A conserved sequence element is present around the transcription initiation site for RNA polymerase A in Saccharomycetoideae. Verbeet MP, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):1137–48
Short and long range activation by the SV40 enhancer. Wasylyk B, et al. **Nucleic Acids Res** 1984 Jul 25; 12(14):5589–608
Specific termination of in vitro transcription by calf thymus RNA polymerase III. Watson JB, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5369–84
Transcriptional activity of the human pseudogene psi alpha globin compared with alpha globin, its functional gene counterpart. Whitelaw E, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7717–33
Immediate–early mRNA–2 of herpes simplex viruses types 1 and 2 is unspliced: conserved sequences around the 5' and 3' termini correspond to transcription regulatory signals. Whitton JL, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6271–87
Replication and expression in mammalian cells of transfected DNA; description of an improved erythrocyte ghost fusion technique. Wiberg FC, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7287–302
Evidence for transcriptional regulation of the myosin heavy chain gene during myogenesis. Wiid IJ, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2717–29
Map locations of five transcripts homologous to TR–DNA in tobacco and sunflower crown gall tumors. Winter JA, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2391–406
Mapping of the genes coding for the two major vaccinia virus core polypeptides. Wittek R, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4835–48
Vimentin gene expression during myogenesis: two functional transcripts from a single copy gene. Zehner ZE, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8317–32
The primary structure and expression of four cloned human histone genes. Zhong R, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7409–25
The effect of nucleotide analogs on cell–free gene expression. Zimmer M, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2243–58
Non–enzymatic template–directed synthesis of RNA copolymers. Joyce GF. **Orig Life** 1984;14(1–4):613–20
Strategies for studying opioid peptide regulation at the gene, message and protein levels. Dores RM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:9–17
Transcription of plasmid DNA in Escherichia coli minicells. Crooks JH, et al. **Plasmid** 1983 Jul;10(1):66–72
3' editing of mRNAs: sequence requirements and involvement of a 60–nucleotide RNA in maturation of histone mRNA precursors. Birchmeier C, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1057–61
Glucocorticoids regulate proopiomelanocortin gene expression in vivo at the levels of transcription and secretion. Birnberg NC, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6982–6
Human T–cell growth factor: partial amino acid sequence, cDNA cloning, and organization and expression in normal and leukemic cells. Clark SC, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2543–7
Inducible transcription and puffing in Drosophila melanogaster transformed with hsp70–phage lambda hybrid heat shock genes. Cohen RS, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5509–13
Translocated c–myc oncogene of Burkitt lymphoma is transcribed in plasma cells and repressed in lymphoblastoid cells. Croce CM, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3170–4
Transcriptional activation of an unrearranged and untranslocated c–myc oncogene by translocation of a C lambda locus in Burkitt. Croce CM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6922–6
Single gene for the large subunit of ribulosebisphosphate carboxylase in maize yields two differentially regulated mRNAs. Crossland LD, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4060–4
Cloning and expression of the gene for bacteriophage T7 RNA polymerase. Davanloo P, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2035–9
Inhibition of transcription in somatic cells by microinjection of antibodies to chromosomal proteins. Einck L, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6735–9
Translocation of an immunoglobulin kappa locus to a region 3' of an unrearranged c–myc oncogene enhances c–myc transcription. Erikson J, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7581–5
Potential basis for regulation of the coordinately expressed fibrinogen genes: homology in the 5' flanking regions. Fowlkes DM, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(8):2313–6
Structural organization and expression of human DNA sequences related to the transforming gene of avian myeloblastosis virus. Franchini G, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7385–9
Adenovirus early region 1A protein activates transcription of a nonviral gene introduced into mammalian cells by infection or transfection. Gaynor RB, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1193–7
Point mutations and DNA rearrangements 5' to the inducible qa–2 gene of Neurospora allow activator protein–independent transcription. Geever RF, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7298–302
Accurate initiation of human epsilon–globin RNA synthesis by Escherichia coli RNA polymerase in isolated nuclei of K562 erythroleukemia cells. Gilmour RS, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4051–4
Transcription of human histone genes in extracts from synchronized HeLa cells. Heintz N, et al.

Proc Natl Acad Sci USA 1984 May;81(9):2713–7
Contact points between transcription machinery and the fibroin gene promoter deduced by functional tests of single-base substitution mutants. Hirose S, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1394–7
Organ-specific nuclear RNAs in tobacco. Kamalay JC, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2801–5
Primary structure and transcription of an amplified genetic locus: the CUP1 locus of yeast. Karin M, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):337–41
Temporal expression of late histone messenger RNA in the sea urchin Lytechinus pictus. Knowles JA, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2411–5
Expression of the chloramphenicol acetyltransferase gene in mammalian cells under the control of adenovirus type 12 promoters: effect of promoter methylation on gene expression. Kruczek I, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7586–90
Individual products of the adenovirus 12S and 13S EIa mRNAs stimulate viral EIIa and EIII expression at the transcriptional level. Leff T, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4381–5
Induction of two genes by glucose starvation in hamster fibroblasts. Lin AY, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):988–92
A unique mechanism regulating gene expression: translational inhibition by a complementary RNA transcript (micRNA). Mizuno T, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):1966–70
Transcription in cloned spacers of Xenopus laevis ribosomal DNA. Morgan CT. et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6490–4
In vitro transcription of a silkworm 5S RNA gene requires an upstream signal. Morton DG, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5519–22
cis-acting mutations that affect rop protein control of plasmid copy number. Moser DR, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4465–9
Efficient coupled transcription and mRNA splicing in vitro using plasmids derived from early region 3 of adenovirus 2 and a nondefective adenovirus-simian virus 40 hybrid. Pawar S, et al. **Proc Natl Acad Sci USA** 1984 May; 81(9):2679–83
Regulation of glutathione transferase and DT-diaphorase mRNAs in persistent hepatocyte nodules during chemical hepatocarcinogenesis. Pickett CB, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5091–5
A precise termination site in the mouse beta-major globin transcription unit. [Retraction of Salditt-Georgieff M, Darnell JE Jr. In: Proc Natl Acad Sci USA 1983 Aug;80(15):4694–8] Salditt-Georgieff M, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2274
Stimulation of in vitro transcription from heterologous promoters by the simian virus 40 enhancer. Sassone-Corsi P, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):308–12
Contacts between hormone receptor and DNA double helix within a glucocorticoid regulatory element of mouse mammary tumor virus. Scheidereit C, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3029–33
In vitro mutagenesis and transcriptional analysis of a mouse ribosomal promoter element. Skinner JA, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2137–41
Promoter-regulatory region of the major immediate early gene of human cytomegalovirus. Thomsen DR, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):659–63
cis and trans activation of globin gene transcription in transient assays. Treisman R, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7428–32
Transcription modulation in vitro of the fibroin gene exerted by a 200-base-pair region upstream from the 'TATA' box. Tsuda M, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7442–6
Formation of termination-resistant transcription complex at phage lambda nut locus: effects of altered translation and a ribosomal mutation. Warren F, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3612–6
The subtilisin E gene of Bacillus subtilis is transcribed from a sigma 37 promoter in vivo. Wong SL, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1184–8
Mutational analysis of a regulatory region in bacteriophage lambda that has overlapping signals for the initiation of transcription and translation. Wulff DL, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):555–9
Transcripts of human HLA gene fragments lacking the 5'-terminal region in transfected mouse cells. Yoshie O, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):649–53
Regulation of collagen synthesis. Bornstein P, et al. **Prog Clin Biol Res** 1984;154:61–80 (68 ref.)
Mechanism of initiation of RNA polymerase II. Bunick D, et al. **Prog Clin Biol Res** 1983;132B:9–18
The synthesis of type I collagen fibers and potential inhibitors of the process. Prockop DJ. **Prog Clin Biol Res** 1984; 154:81–8 (20 ref.)
RNA processing in a unicellular microorganism: implications for eukaryotic cells. Apirion D. **Prog Nucleic Acid Res Mol Biol** 1983;30:1–40 (141 ref.)
Analysis of the expression of genes encoding animal mRNA by in vitro techniques. Manley JL. **Prog Nucleic Acid Res Mol Biol** 1983;30:195–244 (201 ref.)
Small nuclear RNAs and RNA processing. Reddy R, et al. **Prog Nucleic Acid Res Mol Biol** 1983;30:127–62 (217 ref.)
Altered transcription of the c-abl oncogene in K-562 and other chronic myelogenous leukemia cells. Collins SJ, et al. **Science** 1984 Jul 6;225(4657):72–4
Cyclic AMP receptor protein: role in transcription activation. de Crombrugghe B, et al. **Science** 1984 May 25; 224(4651):831–8 (53 ref.)
Transcription of class III genes: formation of preinitiation complexes. Lassar AB, et al. **Science** 1983 Nov 18; 222(4625):740–8 (37 ref.)
Editing mRNA precursors [news] Lewin R. **Science** 1983 Nov 4;222(4623):493
Studying promoters and terminators by gene fusion. Rosenberg M, et al. **Science** 1983 Nov 18;222(4625):734–9
Biotinated probe containing a long-terminal repeat hybridized to a mouse colon tumor and normal tissue. Royston ME, et al. **Science** 1983 Dec 23;222(4630):1339–41
Expression of cellular oncogenes in human malignancies. Slamon DJ, et al. **Science** 1984 Apr 20;224(4646):256–62
Trans-acting transcriptional activation of the long terminal repeat of human T lymphotropic viruses in infected cells. Sodroski JG, et al. **Science** 1984 Jul 27;225(4660):381–5
Molecular dissection of transcriptional control elements within the long terminal repeat of the retrovirus. Srinivasan A, et al. **Science** 1984 Jan 20;223(4633):286–9
Yeast RNA polymerase II genes: isolation with antibody probes. Young RA, et al. **Science** 1983 Nov 18; 222(4625):778–82
Localization of human U1 small nuclear RNA genes to band p36.3 of chromosome 1 by in situ hybridization. Naylor SL, et al. **Somatic Cell Mol Genet** 1984 May;10(3):307–13
Mapping of polyadenylated transcripts of a monkey lymphotropic papova virus. Abraham G, et al. **Virology** 1984 Jul 30;136(2):442–7
The large late virus transcripts synthesized in herpesvirus suis (pseudorabies) virus-infected cells are not precursors of mRNA. Deatly AM, et al. **Virology** 1984 Jun; 135(2):452–65
Nature of the block in the expression of some early virus genes in cells abortively infected with human cytomegalovirus. DeMarchi JM. **Virology** 1983 Sep; 129(2):287–97
Expression of unspliced NS1 mRNA, spliced NS2 mRNA, and a spliced chimera mRNA from cloned influenza virus NS DNA in an SV40 vector. Lamb RA, et al. **Virology** 1984 May;135(1):139–47
Transcription in mouse embryo cells permissively infected by murine cytomegalovirus. Marks JR, et al. **Virology** 1983 Nov;131(1):247–54
Vaccinia rescue of VSV from interferon-induced resistance: reversal of translation block and inhibition of protein kinase activity. Whitaker-Dowling P, et al. **Virology** 1983 Nov; 131(1):128–36
Inhibition of host cellular ribonucleic acid synthesis by glycoprotein of mumps virus. Yamada A, et al. **Virology** 1984 Jun;135(2):299–307
[Signals of genetic organization and regulation] Ehrlich R. **Biochimie** 1982 Mar;64(3):III–X (26 ref.) **(Fre)**
[Transfection and expression of the S gene of hepatitis B virus in hepatocytes of adult rats in primary culture] Houssais JF. et al. **C R Seances Acad Sci [III]** 1983; 297(10):49[illegible]00 (Eng. Abstr.) **(Fre)**
[Isolation of the RNA-poly A+ fraction from mitochondria of Drosophila melanogaster embryos. Incorporation of methionine-35S into newly-synthesized proteins in whole and lysed mitochondria] Berthier F, et al. **C R Soc Biol (Paris)** 1984;178(1):64–76 (Eng. Abstr.) **(Fre)**
[Metabolic regulation of threonine operon transcription in E. coli cells] Kliachko EV, et al. **Biokhimiia** 1983 Jul; 48(7):1095–102 (Eng. Abstr.) **(Rus)**
[Transcription peculiarities of nuclear genome in different stages of liver regeneration. Activity of cytosol protein factor on the activation of different forms of nuclear DNA-dependent RNA-polymerases] Zheliabovskaia SM, et al. **Biokhimiia** 1984 Jun;49(6):943–7 (Eng. Abstr.) **(Rus)**
[Peculiarities of nuclear genome transcription in the early stages of liver regeneration. Complex nature of the activating effect of the cytoplasmic regenerating factor on transcription in isolated rat liver nuclei] Zheliabovskaia SM, et al. **Biokhimiia** 1983 Nov;48(11):1774–7 (Eng. Abstr.) **(Rus)**
[Autoradiographic analysis of transcription in sympathetic neurocyte nuclei following axonal injury] Bgazhba-Eliava TM. **Biull Eksp Biol Med** 1983 Dec;96(12):86–9 (Eng. Abstr.) **(Rus)**
[Relation of the changes in the intracellular ratio of monovalent cations to transcription regulation in the course of the mitotic cycle of Ehrlich ascitic carcinoma cells] Kolosov EV, et al. **Dokl Akad Nauk SSSR** 1983; 273(2):467–9 **(Rus)**
[Hypersensitivity to DNAse I of flexible DNA in the composition of transcriptionally active SV40 virus minichromosomes] Luchnik AN, et al. **Dokl Akad Nauk SSSR** 1984;274(3):754–8 **(Rus)**
[Stringent control of relA gene transcription in cells of Escherichia coli] Bochkanov SS, et al. **Mol Biol (Mosk)** 1983 Sep-Oct;17(5):958–64 (Eng. Abstr.) **(Rus)**
[Termination of DNA transcription by a poly(dA).poly(dT) fragment inserted into pBR325 plasmid] Denisova LIa, et al. **Mol Biol (Mosk)** 1984 May-Jun;18(3):599–606 (Eng. Abstr.) **(Rus)**
[Structure of the transcription-active chromatin] Preobrazhenskaia OV, et al. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):8–20 (Eng. Abstr.) **(Rus)**
[Properties of cloned promoters] Rechinskil VO, et al. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):130–9 (Eng. Abstr.) **(Rus)**
[Possible role of tRNA1Lys in the splicing of mitochondrial transcripts in yeasts] Soldla TR. **Mol Biol (Mosk)** 1983 Nov-Dec;17(6):1154–61 (Eng. Abstr.) **(Rus)**
[Coupling of bacteriophage T7 DNA penetration with its transcription, during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1983 Sep-Oct;17(5):1048–59 (Eng. Abstr.) **(Rus)**
[Transcription-active portions of the chromatin] Karavanov AA. **Ontogenez** 1983 Jul-Aug;14(4):339–59 (137 ref.) (Eng. Abstr.) **(Rus)**
[Participation of cytoplasmic factors in the rate of transcription in compensatory hyperfunction of the heart] Iavich MP, et al. **Vopr Med Khim** 1983 Nov-Dec; 29(6):105–12 (Eng. Abstr.) **(Rus)**
[Characteristics of the gene transcription of the intracisternal A-particles] Bukrinskil MI, et al. **Vopr Virusol** 1984 May-Jun;29(3):345–50 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Excessive ingestion of iodide by the rat during pregnancy and lactation. Effects on ribonucleic acid transcription in the pups brain. Krawiec L, et al. **Acta Physiol Lat Am** 1981;31(4):241–7
The effect of 5-fluoroorotic acid on the early labelling of nucleotides and RNA in whole liver and of RNA in subnuclear fractions in rats given 3H-orotic acid. Eriksson G, et al. **Adv Exp Med Biol** 1984;165 Pt A:543–5
Effect of 5-azacytidine on rat liver alpha-fetoprotein gene expression. Cook JR, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):939–44
Correlated increase of the expression of the c-ras genes in chemically induced hepatocarcinomas. Corcos D, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):259–64
Regulation of LH beta subunit mRNA in the sheep pituitary gland during different feedback states of estradiol. Landefeld T, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1307–13
Transcriptional control of human diploid fibroblast collagen synthesis by gamma-interferon. Rosenbloom J, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):365–72
Growth hormone acts at a pretranslational level in hepatocyte cultures. Seelig S, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):882–7
Effect of microinjections of cAMP-dependent protein kinase subunits on macromolecular syntheses in loach Misgurnus fossilis L. embryos. Glukhov AI, et al. **Biochem Int** 1984 Jul;9(1):83–91
Rapid suppression of alpha 1-fetoprotein gene transcription by dexamethasone in developing rat liver. Guertin M, et al. **Biochemistry** 1983 Aug 30;22(18):4296–302
Cortisol decreases the cellular concentration of translatable procollagen mRNA species in cultured human skin fibroblasts. Oikarinen J, et al. **Biochim Biophys Acta** 1983 Dec 22;741(3):297–302
Early molecular events in rat heart after administration of triiodothyronine and isoproterenol. Raymondjean M, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):30–7
'Ag-NOR' proteins are present when transcription is impaired. Sanchez-Pina MA, et al. **Biol Cell** 1984; 50(2):199–202
Acute effects of mitoxantrone on the template activity of isolated nuclei from the T-47D human breast tumor cell line. Chegini N, et al. **Cancer Lett** 1984 Jan;21(3):329–36
Tamoxifen and 5-fluorouracil in breast cancer: modulation of cellular RNA. Benz C, et al. **Cancer Res** 1983 Nov; 43(11):5304–8
Relationship between the anticarcinogenic effect of N6,O2'-dibutyryl cyclic adenosine 3',5'-monophosphate and modulation of gene expression and inhibition of binding of 7,12-dimethylbenz(alpha)anthracene to DNA of mammary cells. Huang FL, et al. **Cancer Res** 1984 Apr; 44(4):1595–9
12-O-tetradecanoylphorbol-13-acetate actions on macromolecular synthesis, ornithine decarboxylase, and cellular differentiation of the rat embryonic visceral yolk sac in culture. Huber BE, et al. **Cancer Res** 1983 Nov; 43(11):5552–9
Effects of 12-O-tetradecanoylphorbol-13-acetate on the incorporation of labelled precursors into RNA, DNA and protein in epidermis, dermis and subcutis from precancerous mouse skin with reference to enhanced tumorigenesis. Bhisey RA, et al. **Carcinogenesis** 1984 Feb; 5(2):135–41
Differences in the promutagenic nature of 3-methylcytosine as revealed by DNA and RNA polymerising enzymes. Saffhill R. **Carcinogenesis** 1984 May;5(5):691–3
Nuclear beta-globin RNA transcripts initiated in vitro with gamma-thio nucleoside triphosphate. Weidner DA, et al. **Cell Biophys** 1983 Dec;5(4):255–64
Transcriptional activity of blastomeres in mouse embryos during delayed implantation and after oestradiol benzoate-induced resumption of development. Moore GP, et al. **Cell Differ** 1984 Apr;14(1):19–23
Effects of cordycepin on the synthesis of nuclear and cytoplasmic RNAs in embryonic cells of Xenopus laevis. Shiokawa K, et al. **Cell Struct Funct** 1983 Dec;8(4):347–56
Primary tissue culture of human adrenocortical Conn's

adenomata. Bromocriptine as a possible agonist–antagonist of angiotensin at the cellular level. Armato U, et al. **Cell Tissue Res** 1984;236(1):67–72

Inhibition of Balbiani ring transcription following differential arrest of Balbiani ring–coded translation. deAlmeida JC, et al. **Chromosoma** 1983;88(5):343–8

Hormonal control of gene amplification and transcription in the salivary gland chromosomes of Trichosia pubescens. Amabis DC, et al. **Dev Biol** 1984 Mar;102(1):10–20

Modulation of tubulin mRNA levels by interferon in human lymphoblastoid cells. Fellous A, et al. **EMBO J** 1982; 1(7):835–9

Estrogen stimulates prolactin gene transcription by a mechanism independent of pituitary protein synthesis. Shull JD, et al. **Endocrinology** 1984 May;114(5):1550–7

Growth hormone (GH)–releasing factor does not regulate GH release or GH mRNA levels in GH3 cells. Zeytin FN, et al. **Endocrinology** 1984 Jun;114(6):2054–9

Investigations on stimulation of lac transcription in vivo in Escherichia coli by cAMP analogues. Biological activities and structure–activity correlations. Scholübbers HG, et al. **Eur J Biochem** 1984 Jan 2;138(1):101–9

Rapidly phosphorylated histone–like proteins are modulated in the course of transcription block by 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole. Egyházi E, et al. **Eur J Cell Biol** 1983 Sep;31(2):354–9

RNA synthesis in activated macrophages I. Poly(I) X poly(C)–induced triggering of cytolytic activity is associated with decrease in RNA synthesis. Varesio L, et al. **Eur J Immunol** 1983 Dec;13(12):959–64

Effects of Hoechst 33258 on different cell cycle events. I. Inhibition of synthetic activities in bone–marrow cells of the mole rat Bandicota bengalensis. Dubey DD, et al. **Exp Cell Res** 1983 Dec;149(2):419–32

Effect of 5'–methylthioadenosine on RNA and DNA synthesis in cultured Xenopus laevis cells. Law RE, et al. **Exp Cell Res** 1983 Sep;147(2):461–5

Dietary sugar promotes gene activation in intestinal cell chromatin of adult rats. Raul F, et al. **Experientia** 1984 Apr 15;40(4):364–5

3'–deoxy–3'–aminonucleoside 5'–triphosphates—terminators of RNA synthesis, catalyzed by DNA–dependent RNA polymerase from Escherichia coli. Kutateladze T, et al. **FEBS Lett** 1983 Mar 21;153(2):420–6

Thyroxine preferentially stimulates transcription by isolated neuronal nuclei in the developing rat brain cortex. Lindholm DB. **FERS Lett** 1984 Jun 11;171(2):240–4

Purified glucocorticoid–receptor complexes from rat liver cytosol preferentially bind in vitro to a homologous DNA fraction whose transcription is activated by cortisol. Romanov GA, et al. **FEBS Lett** 1984 Jan 2;165(1):35–8

Inhibition of ribonuclease activity during RNA synthesis in isolated yeast nuclei by cadmium. Schulz–Harder B, et al. **FEBS Lett** 1984 Mar 12;168(1):61–4

1 alpha, 25–Dihydroxyvitamin D3 directly induces fusion of alveolar macrophages by a mechanism involving RNA and protein synthesis, but not DNA synthesis. Tanaka H, et al. **FEBS Lett** 1984 Aug 20;174(1):61–5

Effect of inhibin on in vitro transcription. Sarvamangala BS, et al. **Indian J Exp Biol** 1984 Jan;22(1):1–4

In vitro effects of acridine intercalation on RNA polymerase interactions with supercoiled DNA. Greene RS, et al. **Int J Biochem** 1983;15(10):1231–9

Inhibition of nucleic acid biosynthesis in procaryotic and eucaryotic cells by cyanocycline A. Hayashi T, et al. **J Antibiot (Tokyo)** 1983 Sep;36(9):1228–35

The myxopyronins, new inhibitors of bacterial RNA synthesis from Myxococcus fulvus (Myxobacterales). Irschik H, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1651–8

Transcriptional regulation of several genes for bacteriochlorophyll biosynthesis in Rhodopseudomonas capsulata in response to oxygen. Biel AJ, et al. **J Bacteriol** 1983 Nov;156(2):686–94

Antagonistic transcriptional regulation of the putrescine biosynthetic enzyme agmatine ureohydrolase by cyclic AMP and agmatine in Escherichia coli. Satishchandran C, et al. **J Bacteriol** 1984 Feb;157(2):552–9

Yeast LEU2. Repression of mRNA levels by leucine and primary structure of the gene product. Andreadis A, et al. **J Biol Chem** 1984 Jul 10;259(13):8059–62

Inhibition of the initiation of leukemic transcription by N–trifluoroacetyladriamycin–14–O–hemiadipate in vitro. Impaired formation of RNA polymerase–DNA complex. Chuang LF, et al. **J Biol Chem** 1984 Sep 25;259(18):11391–5

Pretranslational control of tyrosine aminotransferase synthesis by 8–bromo–cyclic AMP in H–4 rat hepatoma cells. Culpepper JA, et al. **J Biol Chem** 1983 Nov 25; 258(22):13812–9

A similar 5'–flanking region is required for estrogen and progesterone induction of ovalbumin gene expression. Dean DC, et al. **J Biol Chem** 1984 Aug 25;259(16):9967–70

5–fluorouracil modulation of dihydrofolate reductase RNA levels in methotrexate–resistant KB cells. Dolnick BJ, et al. **J Biol Chem** 1983 Nov 10;258(21):13299–306

Glucocorticoid regulation of pro–opiomelanocortin gene transcription in the rat pituitary. Eberwine JH, et al. **J Biol Chem** 1984 Feb 25;259(4):2166–70

Cyclic AMP regulation of pro–vasoactive intestinal polypeptide/PHM–27 synthesis in human neuroblastoma cells. Hayakawa Y, et al. **J Biol Chem** 1984 Jul 25; 259(14):9207–11

Regulation of cytochrome P1–450 gene transcription by 2,3,7, 8–tetrachlorodibenzo–p–dioxin in wild type and variant mouse hepatoma cells. Israel DI, et al. **J Biol Chem** 1984 May 10;259(9):5400–2

Rapid effects of triiodothyronine on hepatic gene expression. Hybridization analysis of tissue–specific triiodothyronine regulation of mRNAS14. Jump DB, et al. **J Biol Chem** 1984 Mar 10;259(5):2789–97

Molecular cloning of a cDNA sequence for rat malic enzyme. Direct evidence for induction in vivo of rat liver malic enzyme mRNA by thyroid hormone. Magnuson MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12712–7

Transcriptional control of ornithine aminotransferase synthesis in rat kidney by estrogen and thyroid hormone. Mueckler MM, et al. **J Biol Chem** 1984 Feb 25; 259(4):2302–5

In vivo hormonal control of L–type pyruvate kinase gene expression. Effects of glucagon, cyclic AMP, insulin, cortisone, and thyroid hormones on the dietary induction of mRNAs in the liver. Munnich A, et al. **J Biol Chem** 1984 Aug 25;259(16):10228–31

Polypeptide hormone regulation of gene expression. Thyrotropin–releasing hormone rapidly stimulates both transcription of the prolactin gene and the phosphorylation of a specific nuclear protein. Murdoch GH, et al. **J Biol Chem** 1983 Dec 25;258(24):15329–35

The effect of transcriptional inhibitors on the bone gamma–carboxyglutamic acid protein response to 1,25–dihydroxyvitamin D3 in osteosarcoma cells. Pan LC, et al. **J Biol Chem** 1984 May 10;259(9):5844–7

Kinetics of beta–glucuronidase induction by androgen. Genetic variation in the first order rate constant. Pfister K, et al. **J Biol Chem** 1984 May 10;259(9):5816–20

Rat liver glutathione S–transferases. Complete nucleotide sequence of a glutathione S–transferase mRNA and the regulation of the Ya, Yb, and Yc mRNAs by 3–methylcholanthrene and phenobarbital. Pickett CB, et al. **J Biol Chem** 1984 Apr 25;259(8):5182–8

Early events in the stimulation of mammary tumor virus RNA synthesis by glucocorticoids. Novel assays of transcription rates. Ucker DS, et al. **J Biol Chem** 1984 Jun 25;259(12):7416–20

Stimulation of cytoplasmic actin gene transcription and translation in cultured Drosophila cells by ecdysterone. Vitek MP, et al. **J Biol Chem** 1984 Feb 10;259(3):1738–43

Regulation of prolactin mRNA by 1,25–dihydroxyvitamin D3 in GH4C1 cells. Wark JD, et al. **J Biol Chem** 1983 Oct 25;258(20):12118–21

Effects of antiestrogens on the estrogen–regulated pS2 RNA and the 52– and 160–kilodalton proteins in MCF7 cells and two tamoxifen–resistant sublines. Westley B, et al. **J Biol Chem** 1984 Aug 25;259(16):10030–5

Mechanism of induction of human chorionic gonadotropin in lung tumor cells in culture. Increased levels of alpha–human chorionic gonadotropin–specific mRNA sequences and benzo(a)pyrene–induced hypomethylation. Wong DT, et al. **J Biol Chem** 1984 Sep 10;259(17):10738–44

Hormonal regulation of the growth hormone gene. Relationship of the rate of transcription to the level of nuclear thyroid hormone–receptor complexes. Yaffe BM, et al. **J Biol Chem** 1984 May 25;259(10):6284–91

Packing of a specific gene into higher order structures following repression of RNA synthesis. Andersson K, et al. **J Cell Biol** 1984 Apr;98(4):1296–303

Phosphorylation of some chromosomal nonhistone proteins in active genes is blocked by the transcription inhibitor 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole (DRB). Egyházi E, et al. **J Cell Biol** 1984 Mar;98(3):954–62

Drug–induced dispersal of transcribed rRNA genes and transcriptional products: immunolocalization and silver staining of different nucleolar components in rat cells treated with 5,6–dichloro–beta–D–ribofuranosylbenzimidazole. Scheer U, et al. **J Cell Biol** 1984 Aug;99(2):672–9

Biosynthesis of small nuclear RNAs in human cells. Chandrasekharappa SC, et al. **J Cell Physiol** 1983 Nov; 117(2):169–74

The uncoupling of macromolecular synthesis from cell division in SV3T3 cells by glucocorticoids: the imposition of a G2 block. Das HR, et al. **J Cell Physiol** 1983 Nov; 117(2):241–8

20–hydroxyecdysone stimulates tissue–specific yolk–protein gene transcription in both male and female Drosophila. Bownes M, et al. **J Embryol Exp Morphol** 1983 Dec; 78:249–68

Heterocyst differentiation in Cylindrospermum licheniforme: studies on the role of transcription. Van de Water S, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):789–96

Enhancement of nucleolar RNA synthesis by chromium (III) in regenerating rat liver. Okada S, et al. **J Inorg Biochem** 1984 Jun;21(2):113–24

Intercalating drugs and low temperatures inhibit synthesis and processing of ribosomal RNA in isolated human mitochondria. Gaines G, et al. **J Mol Biol** 1984 Feb 5; 172(4):451–66

Studies on the mechanism of glucocorticoid hormone induced alterations in rat thymic transcription—I. Evidence from reconstituted cross–over transcription assays that sequential increases and decreases in transcription are due to changes in the activity of RNA polymerase II rather than in the activity of chromatin template. Buss WC, et al. **J Steroid Biochem** 1983 Dec;19(6):1695–703

Rat duodenal calcium–binding protein messenger RNA: induction by 1,25–dihydroxyvitamin D3. Desplan C, et al. **J Steroid Biochem** 1983 Nov;19(5):1577–82

Indiscriminate degradation of RNAs in interferon–treated, vaccinia virus–infected mouse L cells. Benavente J, et al. **J Virol** 1984 Sep;51(3):866–71

Dexamethasone–stimulated expression of a proviral copy of mouse mammary tumor virus env mRNA. Robertson DL. **J Virol** 1984 May;50(2):632–5

Evidence for rifampicin–promoted readthrough of a fully rho–dependent transcriptional terminator. Cromie KD, et al. **MGG** 1984;193(3):532–4

Chicken liver non–histone protein fraction repressing DNA transcription in vitro. Kiliańska Z. **Mol Biol Rep** 1984 Jul; 10(1):13–8

Oxalurate induction of multiple URA3 transcripts in Saccharomyces cerevisiae. Buckholz RG, et al. **Mol Cell Biol** 1983 Nov;3(11):1889–97

Accelerated onset of viral transcription in adenovirus–infected HeLa cells treated with the tumor promoter 12–O–tetradecanoyl–phorbol–13–acetate. Carter TH, et al. **Mol Cell Biol** 1984 Mar;4(3):563–6

Induction of metallothionein–I mRNA in cultured cells by heavy metals and iodoacetate: evidence for gratuitous inducers. Durnam DM, et al. **Mol Cell Biol** 1984 Mar; 4(3):484–91

Dexamethasone increases the number of RNA polymerase II molecules transcribing integrated mouse mammary tumor virus DNA and flanking mouse sequences. Firzlaff JM, et al. **Mol Cell Biol** 1984 Jun;4(6):1057–62

Differential, multihormonal regulation of the mouse major urinary protein gene family in the liver. Knopf JL, et al. **Mol Cell Biol** 1983 Dec;3(12):2232–40

Glucocorticoid regulation of transcription at an amplified, episomal promoter. Ostrowski MC, et al. **Mol Cell Biol** 1983 Nov;3(11):2045–57

Glucose represses transcription of Saccharomyces cerevisiae nuclear genes that encode mitochondrial components. Szekely E, et al. **Mol Cell Biol** 1984 May;4(5):939–46

Alterations of transcription and translation in HeLa cells exposed to amino acid analogs. Thomas GP, et al. **Mol Cell Biol** 1984 Jun;4(6):1063–72

Structural gene products of the Ah locus. Transcriptional regulation of cytochrome P1–450 and P3–450 mRNA levels by 3–methylcholanthrene. Gonzalez FJ, et al. **Mol Pharmacol** 1984 Jul;26(1):117–21

Inhibitors of DNA synthesis (aphidicolin and araC/HU) prevent the recovery of RNA synthesis after UV–irradiation. Mayne LV. **Mutat Res** 1984 May–Jun; 131(5–6):187–91

Interrelations between the maturation of a 100 kDa nucleolar protein and pre rRNA synthesis in CHO cells. Bouche G, et al. **Nucleic Acids Res** 1984 Apr 11;12(7):3025–35

Analysis of a bacterial hygromycin B resistance gene by transcriptional and translational fusions and by DNA sequencing. Kaster KR, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6895–911

Ascorbate stimulation of PAT cells causes an increase in transcription rates and a decrease in degradation rates of procollagen mRNA. Lyons BL, et al. **Nucleic Acids Res** 1984 Mar 12;12(5):2569–79

Lipopolysaccharide–induced transcription of the kappa immunoglobulin locus occurs on both alleles and is independent of methylation status. Nelson KJ, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1911–23

Studies on transcription termination and splicing of the rRNA precursor in vivo in the presence of proflavine. Nielsen OF, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):873–86

Differential inhibition of cellular RNAs by photosensitized trioxalen. Shames B, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6453–64

Initiation of RNA synthesis in vitro by vesicular stomatitis virus: single internal initiation in the presence of aurintricarboxylic acid and vanadyl ribonucleoside complexes. Talib S, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7031–42

Modification of DNA by reducing sugars: a possible mechanism for nucleic acid aging and age–related dysfunction in gene expression. Bucala R, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):105–9

Glucocorticoid inhibition of initiation of transcription of the DNA encoding rRNA (rDNA) in lymphosarcoma P1798 cells. Cavanaugh AH, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):718–21

Imbalance of total cellular nucleotide pools and mechanism of the colchicine–induced cell activation. Chou IN, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2401–5

Induction of mouse metallothionein–I mRNA by bacterial endotoxin is independent of metals and glucocorticoid hormones. Durnam DM, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1053–6

Alternative modes of enkephalin biosynthesis regulation by reserpine and cyclic AMP in cultured chromaffin cells. Eiden LE, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):3949–53

Cyclosporin A inhibits T–cell growth factor gene expression at the level of mRNA transcription. Krönke M, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5214–8

Estradiol feedback effects on the alpha–subunit mRNA in the sheep pituitary gland: correlation with serum and pituitary luteinizing hormone concentrations. Landefeld T, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1322–6

Inhibition of protein synthesis stimulates the transcription of

human beta-interferon genes in Chinese hamster ovary cells. Ringold GM, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):3964–8

Polypeptide hormone regulation of gene transcription: specific 5' genomic sequences are required for epidermal growth factor and phorbol ester regulation of prolactin gene expression. Supowit SC, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):2975–9

Specificity of polyamine requirements for the replication and maintenance of different double-stranded RNA plasmids in Saccharomyces cerevisiae. Tyagi AK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1149–53

Correlation of glucocorticoid receptor binding sites on MMTV proviral DNA with hormone inducible transcription. Pfahl M, et al. **Science** 1983 Dec 23; 222(4630):1341–3

Ribonucleoside triphosphate concentration-dependent termination of bacteriophage SP01 transcription in vitro by Bacillus subtilis RNA polymerase. Brennan SM. **Virology** 1984 Jun;135(2):555–60

The effects of S-adenosyl methionine (AdoMet) and its analogues on the control of transcription and translation in vitro of the mRNA products of two cytoplasmic polyhedrosis viruses. Mertens PP, et al. **Virology** 1983 Nov; 131(1):18–29

Mode of interference of trisodium phosphonoformate (INN: foscarnet sodium), with influenza virus mRNA synthesis. Stridh S, et al. **Virology** 1984 May;135(1):293–6

Energy parameters, macromolecular synthesis and cell cycle progression of in vitro grown Ehrlich ascites tumor cells after inhibition of oxidative ATP synthesis by oligomycin. Kroll W, et al. **Z Naturforsch [C]** 1983 Jul-Aug; 38(7–8):604–12

[Effect of proteins S100 on RNA and protein biosynthesis in neurons and glial cells of the rat brain] Poletaev AB, et al. **Biokhimiia** 1983 Nov;48(11):1820–4 (Eng. Abstr.) **(Rus)**

[Aminomethylol compounds inhibit the initiation of RNA chain synthesis beginning with adenylic nucleotides] Protasova IA, et al. **Biokhimiia** 1983 Aug;48(8):1390–7 (Eng. Abstr.) **(Rus)**

[Structural changes in chromatin during activation of transcription coupled with translation inhibition by cycloheximide] Todorov IN, et al. **Biokhimiia** 1984 May; 49(5):827–35 (Eng. Abstr.) **(Rus)**

[Transition of the specific binding sites of glucocorticoid receptor complexes from the fraction of potentially active DNA into the fraction of transcriptionally active DNA under cortisol induction in rat liver cells] Kuz'menko AP, et al. **Dokl Akad Nauk SSSR** 1983;272(3):739–41 **(Rus)**

[Location of RNA-dependent DNA polymerase within the endogenous template complex and discrimination of RNA- and DNA-dependent synthesis of DNA in Escherichia coli cells by alkylating dTTP gamma-amide] Grabkina OA, et al. **Mol Biol (Mosk)** 1983 Sep-Oct;17(5):1019–27 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Transcriptionally active and inactive genes are similarly modified by chemical carcinogens or X-ray in normal human fibroblasts. Nose K, et al. **Biochim Biophys Acta** 1984 Apr 5;781(3):273–8

Recovery from transcription inhibition in irradiated yeast cells. Weber KJ, et al. **Br J Cancer [Suppl]** 1984;6:157–61

Sensitivity to UV radiation of small nuclear RNA synthesis in mammalian cells. Eliceiri GL, et al. **Mol Cell Biol** 1983 Dec;3(12):2151–5

[Comparison of the action of powerful pulses of ultrashort UV on the DNA replication and transcription functions in proliferating and resting HeLa cells] Karu TI, et al. **Radiobiologiia** 1984 Jan-Feb;24(1):17–20 (Eng. Abstr.) **(Rus)**

TRANSCULTURAL STUDIES see **CROSS-CULTURAL COMPARISON**

TRANSDUCERS

Issues in the selection and use of mechanical transducers to directly measure motor activity in clinical settings. Pfadt A, et al. **Appl Res Ment Retard** 1983;4(3):251–70 (98 ref.)

The frequency response of external transducer blood pressure measurement systems: a theoretical and experimental study. Yeomanson CW, et al. **Clin Phys Physiol Meas** 1983 Nov; 4(4):435–49

Reducing aberration by inverse filtering in Fresnel zone plate transducers. Mortezaie M, et al. **Comput Programs Biomed** 1983 Aug-Oct;17(1–2):19–25

Rapid micromeasurement of lactate in whole blood. Clark LC Jr, et al. **Crit Care Med** 1984 May;12(5):461–4

Ultrasound transducers for pulse-echo medical imaging. Hunt JW, et al. **IEEE Trans Biomed Eng** 1983 Aug; 30(8):453–81

A Hall effect transducer for measuring length changes in mammalian diaphragm. Peterson CV Jr, et al. **J Appl Physiol** 1983 Aug;55(2):635–41

A pressure distribution transducer for in-vitro static measurements in synovial joints. Ahmed AM. **J Biomech Eng** 1983 Aug;105(3):309–14

Electrochemical transducers for the measurement of biological compounds. **J Biomed Eng** 1984 Jul;6(3):170–88

Dual diode transducer for laser Doppler skin blood velocimeter. Olkkonen H, et al. **J Biomed Eng** 1984 Jan; 6(1):75–7

Force transducers for the evaluation of labial, lingual, and mandibular motor impairments. Barlow SM, et al. **J Speech Hear Res** 1983 Dec;26(4):616–21

New transducer for detecting fetal heart sounds [letter] Wright BM. **Lancet** 1984 Apr 21;1(8382):907

Capacitive transducer for continuous measurement of vertical foot force. Miyazaki S, et al. **Med Biol Eng Comput** 1984 Jul;22(4):309–16

A simple acoustic displacement transducer system. Sunagawa K, et al. **Med Biol Eng Comput** 1984 Jan;22(1):92–3

Piezoelectric translator. A simple and inexpensive device to move microelectrodes and micropipettes small distances rapidly. Lederer WJ. **Pflugers Arch** 1983 Sep;399(1):83–6

Paired extraluminal strain gauge force transducers for measuring urethral movements. Tsuchida S, et al. **Tohoku J Exp Med** 1983 Sep;141(1):117–8

[Multiple image artifacts with linear sonic transducers] Born HJ, et al. **Ultraschall Med** 1984 Apr;5(2):56–62 (Eng. Abstr.) **(Ger)**

[Basic study of a catheter-tip micromanometer utilizing a single polarization fiber] Kobayashi K, et al. **Iyodenshi To Seitai Kogaku** 1983 Aug;21(4):256–60 (Eng. Abstr.) **(Jpn)**

[A capacitive transducer for continuous measurement of vertical foot forces] Miyazaki S, et al. **Iyodenshi To Seitai Kogaku** 1984 Apr;22(2):103–9 (Eng. Abstr.) **(Jpn)**

[Transducers] Togawa T. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):516–8 (39 ref.) **(Jpn)**

[Determination of blood flow velocity] Yoshimura S, et al. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):519–21 **(Jpn)**

[Study of hemodynamics using a flow-pressure transducer] Matsievskiĭ DD. **Biull Eksp Biol Med** 1984 Mar;97(3):377–9 (Eng. Abstr.) **(Rus)**

[Intracranial pressure: registration through the anterior fontanelle with a new sensor] Díaz-Miranda JJ, et al. **Bol Med Hosp Infant Mex** 1983 Oct;40(10):556–9 (Eng. Abstr.) **(Spa)**

TRANSDUCERS, PRESSURE see under **TRANSDUCERS**

TRANSDUCTION, GENETIC

Gene transfer mechanisms among members of the genus Rhodopseudomonas. Pemberton JM, et al. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):195–204 (36 ref.)

Use of bacteriophage P1 as a vector for Tn5 insertion mutagenesis. Quinto M, et al. **Appl Environ Microbiol** 1984 Feb;47(2):436–8

Expression of v-src and chicken c-src in rat cells demonstrates qualitative differences between pp60v-src and pp60c-src. Parker RC, et al. **Cell** 1984 May;37(1):131–9

Phosphotransferase-mediated regulation of carbohydrate utilisation in Escherichia coli K12: identification of the products of genes on the specialised transducing phages lambda iex (crr) and lambda gsr (tgs). Britton P, et al. **EMBO J** 1982;1(8):907–11

Replication functions of pC194 are necessary for efficient plasmid transduction by M13 phage. Dagert M, et al. **EMBO J** 1984 Jan;3(1):81–6

Transductional instability of Tn5-induced mutations: generalized and specialized transduction of Tn5 by bacteriophage P1. Berg CM, et al. **Genetics** 1983 Oct; 105(2):259–63

Specialized transduction with lambda plac5: involvement of the RecE and RecF recombination pathways. Porter RD. **Genetics** 1983 Oct;105(2):247–57

Chromosomal mapping of Bacillus thuringiensis by transduction. Barsomian GD, et al. **J Bacteriol** 1984 Mar; 157(3):746–50

Mini-Mu-duction as a test for genetic complementation in Escherichia coli. Cronan JE Jr. **J Bacteriol** 1984 Apr; 158(1):357–61

Autogenous transduction of phi 11de in Staphylococcus aureus: transfer and genetic properties. Dyer DW, et al. **J Bacteriol** 1984 May;158(2):689–95

General transduction in Rhizobium meliloti. Finan TM, et al. **J Bacteriol** 1984 Jul;159(1):120–4

Conditionally transposition-defective derivative of Mu d1(Amp Lac). Hughes KT, et al. **J Bacteriol** 1984 Jul; 159(1):130–7

Generalized transduction in Rhizobium meliloti. Martin MO, et al. **J Bacteriol** 1984 Jul;159(1):125–9

Use of lambda unc transducing bacteriophages in genetic and biochemical characterization of H+-ATPase mutants of Escherichia coli. Mosher ME, et al. **J Bacteriol** 1983 Dec; 156(3):1078–92

Interspecies transduction of plasmids among Bacillus anthracis, B. cereus, and B. thuringiensis. Ruhfel RE, et al. **J Bacteriol** 1984 Mar;157(3):708–11

Transduction analysis of transposon Tn551 insertions in the trp-thy region of the Staphylococcus aureus chromosome. Schroeder CJ, et al. **J Bacteriol** 1984 Feb;157(2):533–7

Generalized transduction between Salmonella typhi and Salmonella typhimurium by phage j2 and characterization of the j2 plasmid in Escherichia coli. Mise K, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3395–400

Vero cell toxins in Escherichia coli and related bacteria: transfer by phage and conjugation and toxic action in laboratory animals, chickens and pigs. Smith HW, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3121–37

Initiation by bacteriophage T1 of DNA packaging at a site between the P and Q genes of bacteriophage lambda. Drexler H. **J Virol** 1984 Mar;49(3):754–9

Transduction of c-myb into avian myeloblastosis virus: locating points of recombination within the cellular gene. Klempnauer KH, et al. **J Virol** 1983 Dec;48(3):565–72

Characterization of a glpK transducing phage. Conrad CA, et al. **MGG** 1984;193(2):376–8

Physical and genetical analysis of bacteriophage T4 generalized transduction. Young KK, et al. **MGG** 1983; 192(1–2):241–6

Retrovirus transduction: generation of infectious retroviruses expressing dominant and selectable genes is associated with in vivo recombination and deletion events. Joyner AL, et al. **Mol Cell Biol** 1983 Dec;3(12):2180–90

Retrovirus transduction: segregation of the viral transforming function and the herpes simplex virus tk gene in infectious Friend spleen focus-forming virus thymidine kinase vectors. Joyner AL, et al. **Mol Cell Biol** 1983 Dec; 3(12):2191–202

Viral transduction of c-myc gene in naturally occurring feline leukaemias. Mullins JI, et al. **Nature** 1984 Apr 26–May 2;308(5962):856–8

Transduction and rearrangement of the myc gene by feline leukaemia virus in naturally occurring T-cell leukaemias. Neil JC, et al. **Nature** 1984 Apr 26–May 2;308(5962):814–20

Vectors for P element-mediated gene transfer in Drosophila. Rubin GM, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6341–51

Sensory transduction in Escherichia coli: regulation of the demethylation rate by the CheA protein. Springer MS, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5061–5

[Transduction of oncogene by retrovirus: structural alternation of a foreign DNA inserted into retrovirus] Shimotohno K. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):566–70 (Eng. Abstr.) **(Jpn)**

[DNA transfer into mammalian cells] Nagata Y, et al. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(14):1569–81 (95 ref.) **(Jpn)**

[Introduction of foreign genes into eukaryotic cells using retrovirus as a vector] Shimotohno K. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(14):1582–98 (40 ref.) **(Jpn)**

[Transduction of strains of Bacillus thuringiensis serotype XIV] Stepanova TV, et al. **Dokl Akad Nauk SSSR** 1983; 271(3):735–7 **(Rus)**

[Transducing activity of the temperate SM bacteriophage of Pseudomonas aeruginosa] Gorelyshev AS, et al. **Genetika (Moskva)** 1984 Jan;20(1):185–6 (Eng. Abstr.) **(Rus)**

[Capacity of Bacillus mesentericus for certain kinds of genetic exchange] Malkov SV, et al. **Genetika (Moskva)** 1983 Jul; 19(7):1091–6 (Eng. Abstr.) **(Rus)**

[Intervariant transduction in Bacillus thuringiensis] Pogosbekova MR, et al. **Genetika (Moskva)** 1984 Jan; 20(1):187–9 (Eng. Abstr.) **(Rus)**

TRANSFECTION

Transfection of Mycobacterium smegmatis SN2 with mycobacteriophage I3 DNA. Karnik SS, et al. **Arch Microbiol** 1983 Dec;136(4):275–80

Influence of cell cycle on the efficiency of transfection with purified human cytomegalovirus DNA. Musiani M, et al. **Arch Virol** 1983;78(3–4):287–92

The efficiency of genetic transformation of mammalian cells by transfection and microinjection depends on the transferred gene. Strauss M, et al. **Biomed Biochim Acta** 1983;42(7–8):K27–34

Selection for experimental metastatic ability of heterologous tumor cells in the chick embryo after DNA-mediated transfer. Chambers AF, et al. **Cancer Res** 1984 Sep; 44(9):3970–5

Effect of mitochondrial DNA transmitted cytoplasmically from nontumorigenic to tumorigenic rat cells on the phenotypic expression of tumorigenicity. Hayashi J, et al. **Cancer Res** 1984 Sep;44(9):3957–60

Change in glycosylation of membrane glycoproteins after transfection of NIH 3T3 with human tumor DNA. Santer UV, et al. **Cancer Res** 1984 Sep;44(9):3730–5

Transformation of human cells by DNA transfection. Sutherland BM, et al. **Cancer Res** 1984 Jul;44(7):2769–72

Site-specific recombination between immunoglobulin D and JH segments that were introduced into the genome of a murine pre-B cell line. Blackwell TK, et al. **Cell** 1984 May; 37(1):105–12

Expression of hemolytically active murine fourth component of complement in transfected L cells. Chaplin DD, et al. **Cell** 1984 Jun;37(2):569–76

Coordinate modulation of transfected HSV thymidine kinase and human globin genes. Roginski RS, et al. **Cell** 1983 Nov; 35(1):149–55

Specific interaction between enhancer-containing molecules and cellular components. Schöler HR, et al. **Cell** 1984 Feb; 36(2):403–11

An SV40 'enhancer trap' incorporates exogenous enhancers or generates enhancers from its own sequences. Weber F, et al. **Cell** 1984 Apr;36(4):983–92

Differences in the efficiency and stability of gene expression after transfection and nuclear injection: a study with a chick

delta-crystallin gene. Xie HX. **Cell Struct Funct** 1983 Dec; 8(4):315-25

Hepatitis B after infection of a chimpanzee with cloned HBV DNA. Will H, et al. **Dev Biol Stand** 1983;54:131-3

Both early and late control sequences of SV40 and polyoma promote transcription of Escherichia coli gpt gene in transfected cells. Bourachot B, et al. **EMBO J** 1982; 1(8):895-900

Assembly of transfected DNA into chromatin: structural changes in the origin-promoter-enhancer region upon replication. Cereghini S, et al. **EMBO J** 1984 Jun; 3(6):1243-53

Transient expression of the chicken lysozyme gene after transfer into human cells. Matthias PD, et al. **EMBO J** 1982;1(10):1207-12

Developmentally regulated expression of chimeric genes containing muscle actin DNA sequences in transfected myogenic cells. Melloul D, et al. **EMBO J** 1984 May; 3(5):983-90

Co-transfection of normal NIH/3T3 DNA and retroviral LTR sequences: a novel strategy for the detection of potential c-onc genes. Müller R, et al. **EMBO J** 1984 May; 3(5):1121-7

Transfer of the Epstein-Barr virus genes coding for small RNAs to human lymphoid cells with a vector carrying a dominant selectable marker. Rymo L. **EMBO J** 1983; 2(6):839-44

Cell surface glycolipids of transformed NIH 3T3 cells transfected with DNAs of human bladder and lung carcinomas. Tsuchiya S, et al. **EMBO J** 1983;2(12):2323-6

Expression of hepatitis B surface antigen in unselected cell culture transfected with recircularized HBV DNA. Wang Y, et al. **EMBO J** 1982;1(10):1213-6

Biological and biochemical characterization of an SV40-transformed xeroderma pigmentosum cell line. Royer-Pokora B, et al. **Exp Cell Res** 1984 Apr; 151(2):408-20

Transfection of brown Leghorn embryo fibroblasts (BLEF) and duck embryo fibroblasts (DEF) by means of DNA isolated from RSV-transformed cells. Branny J, et al. **Folia Histochem Cytochem (Krakow)** 1983;21(3-4):273-9

Transforming activity of human melanoma DNA. Sekiya T, et al. **Gann** 1983 Dec;74(6):794-7

A new determinant, Qa-m208, detected on T lymphocytes and transfected L cells by a Kb-specific monoclonal antibody. Oudshoorn-Snoek M, et al. **Immunogenetics** 1984; 19(6):461-74

Transfection of Bacillus subtilis protoplasts by bacteriophage phi do7 DNA. Perkins JB, et al. **J Bacteriol** 1983 Nov; 156(2):931-3

Partial phenotypic correction of human Lesch-Nyhan (hypoxanthine-guanine phosphoribosyltransferase-deficient) lymphoblasts with a transmissible retroviral vector. Willis RC, et al. **J Biol Chem** 1984 Jun 25;259(12):7842-9

Expression of the major histocompatibility antigens HLA-A2 and HLA-B7 by DNA-mediated gene transfer. Bernabeu C, et al. **J Immunol** 1983 Oct;131(4):2032-7

The generation of macrophage-like cell lines by transfection with SV40 origin defective DNA. Schwarzbaum S, et al. **J Immunol** 1984 Mar;132(3):1158-62

DNAs of two molecularly cloned endogenous ecotropic proviruses are poorly infectious in DNA transfection assays. Copeland NG, et al. **J Virol** 1984 Feb;49(2):437-44

Expression of genes introduced into cells by retroviral infection is more efficient than that of genes introduced into cells by DNA transfection. Hwang LH, et al. **J Virol** 1984 May;50(2):417-24

Protease-sensitive transfection of Streptococcus pneumoniae with bacteriophage Cp-1 DNA. Ronda C, et al. **J Virol** 1983 Dec;48(3):721-30

Induction of generalized and lethal herpesvirus infection in the tree shrew by intrahepatic transfection of herpes simplex virus DNA. Darai G, et al. **J Virol Methods** 1983 Dec;7(5-6):305-14

Efficient transfection of mammalian cells with viral DNA in optimal culture conditions. Yelle J, et al. **J Virol Methods** 1983 Dec;7(5-6):321-6

Improved phage vector system in Streptomyces. Ishihara H, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):299-306

Plasmid rescue - a tool for reproducible recovery of genes from transfected mammalian cells? Kiessling U, et al. **MGG** 1984;193(3):513-9

Isolation and characterization of cell lines derived from hamster kidney cells transformed by BK virus, and transforming activity of their DNA. Possati L, et al. **Microbiologica** 1983 Oct;6(4):339-46

Transfection with extracellularly UV-damaged DNA induces human and rat cells to express a mutator phenotype towards parvovirus H-1. Dinsart C, et al. **Mol Cell Biol** 1984 Feb;4(2):324-8

Differences in intracellular DNA ligation after microinjection and transfection. Kopchick JJ, et al. **Mol Cell Biol** 1984 Feb;4(2):240-6

Homologous recombination between transfected DNAs. Pomerantz BJ, et al. **Mol Cell Biol** 1983 Sep;3(9):1680-5

How damaged is the biologically active subpopulation of transfected DNA? Wake CT, et al. **Mol Cell Biol** 1984 Mar;4(3):387-98

Use of gene transfer to study expression of steroid-responsive genes. Parker MG, et al. **Mol Cell Endocrinol** 1984 Mar; 34(3):159-68

Tissue-specific activation of a cloned alpha-fetoprotein gene during differentiation of a transfected embryonal carcinoma cell line. Scott RW, et al. **Nature** 1984 Aug 16-22; 310(5978):562-7

Replication and expression in mammalian cells of transfected DNA; description of an improved erythrocyte ghost fusion technique. Wiberg FC, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7287-302

Recombination of transfected DNAs in vertebrate cells in culture. Bandyopadhyay PK, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3476-80

Expression of an immunoglobulin heavy chain gene transfected into lymphocytes. Deans RJ, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1292-6

Expression of the Thy-1 glycoprotein gene by DNA-mediated gene transfer. Evans GA, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5532-6

Functional and inducible expression of a transfected murine class II major histocompatibility complex gene. Folsom V, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2045-9

Adenovirus early region 1A protein activates transcription of a nonviral gene introduced into mammalian cells by infection or transfection. Gaynor RB, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1193-7

Stable transfer and expression of exogenous human globin genes in human erythroleukemia (K562) cells. Young K, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5315-9

Viral thymidine kinase-based transfection systems. Kit S. **Prog Clin Biol Res** 1983;132C:327-36

Transfer of phorbol ester promotability by transfection of DNA from promotable into nonpromotable cells. Colburn NH, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:107-10

Events preceding stable integration of SV40 genomes in a human cell line. Hwang SP, et al. **Somatic Cell Genet** 1983 Jul;9(4):457-68

Transformation of temperature-sensitive growth mutant of BHK21 cell line to wild-type phenotype with hamster and mouse DNA. Kai R, et al. **Somatic Cell Genet** 1983 Nov; 9(6):673-80

Somatic cell hybrid selection with a transfectable dominant marker. Riera FC, et al. **Somatic Cell Mol Genet** 1984 Mar; 10(2):123-7

Recombination between simian virus 40 and adeno-associated virus: virion coinfection compared to DNA cotransfection. Grossman Z, et al. **Virology** 1984 Apr 15;134(1):125-37

[Transfection and expression of the S gene of hepatitis B virus in hepatocytes of adult rats in primary culture] Houssais JF, et al. **C R Seances Acad Sci [III]** 1983; 297(10):497-500 (Eng. Abstr.) **(Fre)**

[Gene transfer and reversed genetics in mammalian cells] Ohno S. **Seikagaku** 1983 May;55(5):309-20 (66 ref.) **(Jpn)**

[Capacity of Bacillus mesentericus for certain kinds of genetic exchange] Malkov SV, et al. **Genetika (Moskva)** 1983 Jul; 19(7):1091-6 (Eng. Abstr.) **(Rus)**

[Bacteriophage P22 H5 transfection and infection of plasmid Salmonella strains] Riazanova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):21-7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Possible causes of the loss of specific pBR322-Ad h 1 DNA recombinants following transfection. Palkonyay L, et al. **Acta Microbiol Hung** 1983;30(3-4):179-88

The uptake and stability of simian-virus-40 DNA after calcium phosphate transfection of CV-1 cells. Strain AJ, et al. **Biochem J** 1984 Mar 1;218(2):475-82

New procedure for DNA transfection with polycation and dimethyl sulfoxide. Kawai S, et al. **Mol Cell Biol** 1984 Jun; 4(6):1172-4

High level transient expression of a chloramphenicol acetyl transferase gene by DEAE-dextran mediated DNA transfection coupled with a dimethyl sulfoxide or glycerol shock treatment. Lopata MA, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5707-17

TRANSFER (PSYCHOLOGY)

Concept learning, memory and transfer of dot pattern categories. Vandierendonck A. **Acta Psychol (Amst)** 1984 Feb;55(1):71-88

Effects of pretask speed training on the transfer performance of trainable mentally retarded subjects on pursuit rotor tasks. Heitman RJ, et al. **Am Correct Ther J** 1984 Jan-Feb; 38(1):19-23

Categorical list differentiation by mentally retarded adolescents as a function of transfer list composition and response mode. Evans RA. **Am J Ment Defic** 1983 Sep; 88(2):187-93

Development of intraverbal behavior in mentally retarded individuals through transfer of stimulus control procedures: classification of verbal responses. Braam SJ, et al. **Appl Res Ment Retard** 1983;4(4):279-302

A lack of interocular transfer of spatial conditional discrimination in pigeons. Watanabe S, et al. **Behav Brain Res** 1984 Apr;12(1):65-8

Errorless learning: reinforcement contingencies and stimulus control transfer in delayed prompting. Touchette PE, et al. **J Appl Behav Anal** 1984 Summer;17(2):175-88

Homogeneous (food) conditioned reflex switching in rats after simultaneous injury to the hippocampus and amygdala. Pigareva ML. **Neurosci Behav Physiol** 1983 Jan-Feb;13(1):34-40

Interaction between instrumental skills in the sphere of heterogeneous conditioned activity. Rudenko LP. **Neurosci Behav Physiol** 1983 Jan-Feb;13(1):17-24

Transfer of EMG training: another look at the general relaxation issue. Carlson JG, et al. **Psychophysiology** 1983 Sep;20(5):530-6

[Interrelated activity of remote cortical neurons during conditioned reflex transfer] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug;33(4):758-60 **(Rus)**

[Effect of individual experience on the adequate solution of an extrapolation task by animals] Molodkina LN, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):946-8 **(Rus)**

[Conditioned reflex switching-over in the rat after temporary functional decortication] Nezlina NI, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):834-8 (Eng. Abstr.) **(Rus)**

[Mechanisms of visual generalization] Prazdnikova NV, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct;33(5):839-46 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Visuomotor behaviour of normal and corpus callosum-sectioned rats during interocular transfer. Mohn G. **Behav Brain Res** 1984 Jan;11(1):95-101

Fimbria-fornix lesions impair spatial working memory but not cognitive mapping. Walker JA, et al. **Behav Neurosci** 1984 Apr;98(2):226-42

Participation of the caudate-orbital subsystem in transfer of learning experience. Baranov VV. **Neurosci Behav Physiol** 1983 Jul-Aug;13(4):245-7

[Role of the corpus callosum in interhemispheric transfer of visual learning in the Siamese cat] Leporé F, et al. **Can J Psychol** 1983 Dec;37(4):535-46 (Eng. Abstr.) **(Fre)**

[Differences in the perception of periodic and non-periodic visual stimuli in rhesus macaques] Dudkin KN, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):495-502 (Eng. Abstr.) **(Rus)**

[Morphologic analysis of the consequences of simultaneous lesioning of the hippocampus and amygdala in the rat] Pigareva ML, et al. **Zh Vyssh Nerv Deiat** 1983 Jul-Aug; 33(4):662-70 (Eng. Abstr.) **(Rus)**

TRANSFER AGREEMENT

Patient transfers: medical practice as social triage. Himmelstein DU, et al. **Am J Public Health** 1984 May; 74(5):494-7

LEGISLATION & JURISPRUDENCE

Transfer trauma: medicological issues. Hirsh HL. **Med Law** 1984;3(3):217-23

TRANSFER FACTOR

ADMINISTRATION & DOSAGE

Cell-mediated immunity: correlation of mixed-leucocyte-macrophage migration inhibition with delayed-type hypersensitivity after immunization and donor-specific transfer of cell migration inhibition by dialyzable leucocyte extract. Mazaheri R, et al. **Cell Immunol** 1983 Nov;82(1):147-62

A case report of the successful treatment of recurrent aphthous stomatitis with some preparations of orally administered transfer factor. Schulkind ML, et al. **Cell Immunol** 1984 Apr 1;84(2):415-21

Transfer factor in restoration of cell mediated immunity in lung cancer patients. Fujisawa T, et al. **Jpn J Surg** 1983 Jul;13(4):304-11

IMMUNOLOGY

Separate transfer of mouse protection and delayed-type hypersensitivity with Salmonella typhimurium transfer factor. Kita E, et al. **Cell Immunol** 1984 Sep;87(2):528-37

Counter inhibitor: a low molecular weight cytokine derived from human leukocyte dialysates reverses antigen dependent PMN and macrophage migration inhibition. Farmer JL, et al. **Int Arch Allergy Appl Immunol** 1984; 73(2):146-50

Cold urticaria. Gopinathan VP, et al. **J Assoc Physicians India** 1983 Jul;31(7):463-4

Adoptive transfer of delayed hypersensitivity and protective immunity to Eimeria tenella with chicken-derived transfer factor. Klesius PH, et al. **Poult Sci** 1984 Jul;63(7):1333-7

ISOLATION & PURIFICATION

Concentration of murine antigen-specific transfer factor of defined potency. Mayer V, et al. **Acta Virol (Praha)** 1983 May;27(3):228-37

Transfer factor—a lymphocyte cell surface component. Schröder I, et al. **Allergol Immunopathol (Madr)** 1984 Jan-Feb;12(1):1-5

PHARMACODYNAMICS

[Experimental studies on the rabbit transfer factor of schistosomiasis japonica] Zou RJ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):175 **(Chi)**

[Effect of Japanese encephalitis virus-specific transfer factor on adherent inhibitory activity of peritoneal exudate cells] Wang FZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Feb; 5(1):47–50 (Eng. Abstr.) **(Chi)**

[The role of cultured thymic epithelium and dialyzable leukocyte extracts on the maturation process of T cell. Study of their effects on cyclic nucleotides levels in thymocytes] Tsuneta H. **Hokkaido Igaku Zasshi** 1984 Mar; 59(2):128–39 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Leukocyte migration inhibition of buffy coats from patients with autoimmune thrombocytopenic purpura when exposed to normal platelets: modulation by transfer factor. Borkowsky W, et al. **Blood** 1984 Jan;63(1):83–7

A new basis for the immunoregulatory activities of transfer factor—an arcane dialect in the language of cells. Lawrence HS, et al. **Cell Immunol** 1983 Nov;82(1):102–16 (45 ref.)

THERAPEUTIC USE

Juvenile laryngeal papillomatosis with pulmonary spread. Regression following transfer factor therapy. Borkowsky W, et al. **Am J Dis Child** 1984 Jul;138(7):667–9

Transfer factor in the treatment of carcinoma of the lung. Kirsh MM, et al. **Ann Thorac Surg** 1984 Aug;38(2):140–5

Adjuvant immunotherapy of primary resected lung cancer with transfer factor. Fujisawa T, et al. **Cancer** 1984 Aug 15;54(4):663–9

Dialyzable leukocyte extract (transfer factor) in the treatment of superinfected fistulating tuberculosis of the bone. Zielinski CC, et al. **Cell Immunol** 1984 Mar;84(1):200–5

E-rosette forming count determination and transfer factor treatment in herpetic simplex keratitis. Xie LX, et al. **Chin Med J [Engl]** 1983 Nov;96(11):860–4

Behçet syndrome: report of two early-onset cases treated with transfer factor. Franzoni E, et al. **Ital J Neurol Sci** 1984 Mar;5(1):93–6

Epidermodysplasia verruciformis: response to therapy with dialyzable leukocyte extract (transfer factor) derived from household contacts. Vasily DB, et al. **J Clin Lab Immunol** 1984 May;14(1):49–57

Guidelines for immunotherapy of antigen-specific defects with transfer factor. Wilson GB, et al. **J Clin Lab Immunol** 1984 Feb;13(2):51–8

Biological response modifiers and their promise in clinical medicine. Attallah AM, et al. **Pharmacol Ther** 1982; 19(3):435–54 (148 ref.)

The effects of transfer factor, parasitic antigen and precipitated immunoglobulin treatments in lambs infected with Haemonchus contortus. Hunter AR, et al. **Vet Parasitol** 1983 Aug;13(1):45–53

[Transfer factor therapy of viral hepatitis—report of 22 cases] Jin A, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):396–7 (Eng. Abstr.) **(Chi)**

[Studies on effect of a specific transfer factor on Japanese encephalitis virus infection in mice] Wang FZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):102–6 (Eng. Abstr.) **(Chi)**

[Te effect of transfer factor on phagocytosis and humoral immunity in children with recurrent middle ear inflammations] Kamínková J, et al. **Cas Lek Cesk** 1983 Dec 23;122(51):1577–9 (Eng. Abstr.) **(Cze)**

[Treatment of herpes infections with transfer factor] Rosenfeld F, et al. **Presse Med** 1984 Mar 3;13(9):537–40 (Eng. Abstr.) **(Fre)**

[Human transfer factor. II. Clinical results with the large pool transfer factor] Metzner G, et al. **Folia Haematol (Leipz)** 1983;110(4):526–39 (Eng. Abstr.) **(Ger)**

[Discrepancy between the clinical and immunologic picture of in vitro diagnosis during transfer factor therapy in a patient with Wiscott-Aldrich syndrome] Schütt C, et al. **Folia Haematol (Leipz)** 1983;110(5):677–84 (Eng. Abstr.) **(Ger)**

[Transfer factor as adjuvant immunotherapy in invasive cervix cancer. Report of a double-blind study] Wagner G, et al. **Wien Klin Wochenschr** 1983 Oct 28;95(20):738–42 (Eng. Abstr.) **(Ger)**

[Transfer factor immunochemotherapy for primary lung cancer—evaluation of histologic types] Fujisawa T, et al. **Gan No Rinsho** 1983 Oct;29(12):1409–16 (Eng. Abstr.) **(Jpn)**

[Immunotherapy of advanced pulmonary tuberculosis with specific transference factor] Estrada Parra S, et al. **Salud Publica Mex** 1983 Nov-Dec;25(6):579–90 (Eng. Abstr.) **(Spa)**

TRANSFERASES

ANALYSIS

S-adenosylmethionine synthetase (methionine adenosyltransferase) (Escherichia coli). Markham GD, et al. **Methods Enzymol** 1983;94:219–22

Assay of aminopropyltransferases. Pegg AE. **Methods Enzymol** 1983;94:260–5

Rapid assays for putrescine aminopropyltransferase (spermidine synthase) and spermidine aminopropyltransferase (spermine synthase). Raina A, et al. **Methods Enzymol** 1983;94:257–60

Putrescine carbamoyltransferase (Streptococcus faecalis). Stalon V. **Methods Enzymol** 1983;94:339–43

Putrescine aminopropyltransferase (Escherichia coli). Tabor CW, et al. **Methods Enzymol** 1983;94:265–70

Structural studies on rabbit liver cytosolic and mitochondrial isozymes of serine hydroxymethyltransferase. Schirch L, et al. **Prog Clin Biol Res** 1984;144A:301–8

ANTAGONISTS & INHIBITORS

Fosfomycin inactivates its target enzyme in Escherichia coli cells carrying a fosfomycin resistance plasmid. León J, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):276–8

Inhibition of glycosyltransferases by bis-(p-nitrophenyl)phosphate: general effect and relation to their membrane integration. Guette F, et al. **Biochimie** 1983 Oct;65(10):563–7

5-Enolpyruvylshikimate-3-phosphate synthase of Klebsiella pneumoniae 2. Inhibition by glyphosate [N-(phosphonomethyl)glycine]. Steinrücken HC, et al. **Eur J Biochem** 1984 Sep 3;143(2):351–7

Biochemical evidence for the role of alkyl-lysophospholipids on liver sialyltransferase. Bador H, et al. **Int J Biochem** 1983;15(9):1137–42

Cerebral polyamine metabolism: inhibition of spermidine biosynthesis by dicyclohexylamine. Porta R, et al. **J Neurochem** 1984 Feb;42(2):321–5

Specific inhibition of spermidine synthase from mycobacteria by ethambutol [letter] Pöso H, et al. **Lancet** 1983 Dec 17; 2(8364):1418

Inhibition of aminopropyltransferases. Pegg AE. **Methods Enzymol** 1983;94:294–7

BIOSYNTHESIS

Regulation of synthesis of serine hydroxymethyltransferase in chemostat cultures of Escherichia coli. Dev IK, et al. **J Biol Chem** 1984 Jul 10;259(13):8394–401

Role of methionine in the regulation of the synthesis of serine hydroxymethyltransferase in Escherichia coli. Dev IK, et al. **J Biol Chem** 1984 Jul 10;259(13):8402–6

BLOOD

Characterization of a sialyl alpha 2-3 transferase and a sialyl alpha 2-6 transferase from human platelets occurring in the sialylation of the N-glycosylproteins. Bauvois B, et al. **Biochim Biophys Acta** 1984 Jul 31;788(2):234–40

Post-operative serum sialyltransferase levels and prognosis in breast cancer. Stewart J, et al. **Breast Cancer Res Treat** 1983;3(2):225–30

Serum sialyltransferase and fucosyltransferase activities in patients with bronchial carcinoma. Ronquist G, et al. **Cancer** 1983 Nov 1;52(9):1679–83

Sialic acid, sialyltransferase and neuraminidase levels in maternal plasma, urine and lymphocytes during pregnancy and post-partum period—a longitudinal study in women. Rajan R, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):37–46

Increase in serum sialyltransferase in tumor-bearing rats: the origin and nature of the increased enzyme. Dairaku K, et al. **Gann** 1983 Oct;74(5):656–62

Serine metabolism and psychosis. Waziri R, et al. **Psychiatry Res** 1984 Jun;12(2):121–36

Role of sialyltransferase in hypercupraemia of non-Hodgkin's lymphoma. Shah I, et al. **Scand J Haematol** 1984 Mar; 32(3):332–4

[Activity of sialyltransferase in serum and the significance of its determination in hepatic diseases] Watanabe Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):963–9 (Eng. Abstr.) **(Jpn)**

[Sialyltransferase activity and the sialic acid content of the lymphocytes in normal cattle and in chronic lympholeukemia] Ivanov AS, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan-Feb;(1):40–6 (Eng. Abstr.) **(Rus)**

[Serum enzymes in the diagnosis of hepatic necrosis in alcoholics without hepatic insufficiency] Iturriaga H, et al. **Rev Med Chil** 1983 Oct;111(10):1003–8 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Nonketotic hyperglycinemia: two patients with primary defects of P-protein and T-protein, respectively, in the glycine cleavage system. Hayasaka K, et al. **Pediatr Res** 1983 Dec;17(12):967–70

GENETICS

Sequence homology between prokaryotic and eukaryotic forms of serine hydroxymethyltransferase. Barra D, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1007–12

Cloning and characterization of the gene for Salmonella typhimurium serine hydroxymethyltransferase. Urbanowski ML, et al. **Gene** 1984 Jan;27(1):47–54

Escherichia coli K12 mutants defective in the glycine cleavage enzyme system. Plamann MD, et al. **MGG** 1983; 192(1-2):15–20

[Localization of the genes coding for GTP cyclohydrolase II and riboflavin synthase on the chromosome of Escherichia coli K-12] Tesliar GE, et al. **Tsitol Genet** 1983 Sep-Oct;17(5):54–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification and some properties of delta 2-isopentenylpyrophosphate:5'AMP delta 2-isopentenyltransferase from the cellular slime mold Dictyostelium discoideum. Ihara M, et al. **Arch Biochem Biophys** 1984 May 1;230(2):652–60

Undecaprenyl pyrophosphate synthetase from Lactobacillus plantarum: a dimeric protein. Muth JD, et al. **Arch Biochem Biophys** 1984 Apr;230(1):49–60

Isopentenyl pyrophosphate isomerase and prenyltransferase from tomato fruit plastids. Spurgeon SL, et al. **Arch Biochem Biophys** 1984 May 1;230(2):446–54

Decaprenyl pyrophosphate synthetase from mitochondria of pig liver. Ishii K, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):500–6

Polyamine synthesis in mammalian tissues. Isolation and characterization of spermidine synthase from bovine brain. Raina A, et al. **Biochem J** 1984 May 1;219(3):991–1000

Purification and physicochemical, kinetic and immunological properties of allosteric serine hydroxymethyltransferase from monkey liver. Ramesh KS, et al. **Biochem J** 1980 Jun 1;187(3):623–36

Characterization of an isozyme of S-adenosylmethionine synthetase from rat liver. Lin CH, et al. **Can J Biochem Cell Biol** 1984 May;62(5):276–9

5-Enolpyruvylshikimate-3-phosphate synthase of Klebsiella pneumoniae. 1. Purification and properties. Steinrücken HC, et al. **Eur J Biochem** 1984 Sep 3;143(2):341–9

The purification of 5-enolpyruvylshikimate 3-phosphate synthase from an overproducing strain of Escherichia coli. Duncan K, et al. **FEBS Lett** 1984 Jan 2;165(1):121–7

Essential protein factors for polyprenyl pyrophosphate synthetases. Separation of heptaprenyl pyrophosphate synthetase into two components. Fujii H, et al. **FEBS Lett** 1983 Sep 19;161(2):257–60

Glycine synthase of the purinolytic bacterium, Clostridium acidiurici. Purification of the glycine-CO2 exchange system. Gariboldi RT, et al. **J Biol Chem** 1984 May 25; 259(10):6085–9

Crystallization and preliminary X-ray diffraction study of heavy riboflavin synthase from Bacillus subtilis. Ladenstein R, et al. **J Biol Chem** 1983 Oct 10;258(19):11981–3

Fractionation of methionine adenosyltransferase isozymes (rat liver). Hoffman JL. **Methods Enzymol** 1983;94:223–8

Purification of spermidine aminopropyltransferase (spermine synthase) from bovine brain. Raina A, et al. **Methods Enzymol** 1983;94:276–9

Purification of putrescine aminopropyltransferase (spermidine synthase) from eukaryotic tissues. Samejima K, et al. **Methods Enzymol** 1983;94:270–6

METABOLISM

Methionine adenosyltransferase (S-adenosylmethionine synthetase) and S-adenosylmethionine decarboxylase. Tabor CW, et al. **Adv Enzymol** 1984;56:251–82 (187 ref.)

Biosynthesis in vitro of gangliosides containing Gg- and Lc-cores. Basu S, et al. **Adv Exp Med Biol** 1984;174:249–61

Microsomal and plasma membrane sialyltransferase activity in rat epididymis. Bernal A, et al. **Arch Androl** 1983 Aug; 11(1):33–8

Differential effects of thyrotropin on various glycosyltransferases in porcine thyroid cells. Franc JL, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):910–5

Stimulation of rat liver 4-hydroxybenzoate: polyprenyl transferase activity by a cytosolic protein factor; evidence for a polyprenyl pyrophosphate transport protein. Gupta A, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1109–15

Effect of zinc ions on farnesyl pyrophosphate synthetase activity. Sagami H, et al. **Biochem Int** 1984 May;8(5):661–7

Phospholipid substrate-specificity of the L-serine base-exchange enzyme in rat liver microsomal fraction. Bjerve KS. **Biochem J** 1984 May 1;219(3):781–4

Kinetic properties of spermine synthase from bovine brain. Pajula RL. **Biochem J** 1983 Dec 1;215(3):669–76

Secondary tritium isotope effects as probes of the enzymic and nonenzymic conversion of chorismate to prephenate. Addadi L, et al. **Biochemistry** 1983 Sep 13;22(19):4494–501

Structure of the divalent metal ion activator binding site of S-adenosylmethionine synthetase studied by vanadyl(IV) electron paramagnetic resonance. Markham GD. **Biochemistry** 1984 Jan 31;23(3):470–8

Breaks in arrhenius plots of reactions involving membrane-bound and solubilized sialyltransferases, due to temperature dependence of kinetic parameters. Bador H, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):75–86

Characterization of a CMP-sialic acid:lactoasylceramide sialyltransferase activity in cultured hamster cells. Burczak JD, et al. **Biochim Biophys Acta** 1984 Aug 17;804(4):442–9

Phosphatidylcholine requirement for the N-glycosylation of synthetic peptides by detergent-solubilized oligosaccharyltransferase. Franc JL, et al. **Biochim Biophys Acta** 1984 Jul 30;800(2):166–70

Increase of sialyltransferase activity in the serum and liver of inflamed rats. Fraser IH, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):102–5

Localization of the menaquinone-0 alkylating enzyme in the smooth reticulum of chicken liver microsomes. Lee FC, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):166–70

S-adenosylmethionine synthetase in cultured normal and oncogenically-transformed human and rat cells. Oden KL,

et al. **Biochim Biophys Acta** 1983 Oct 18;760(2):270–7
Specificity of submaxillary gland sialyltransferases. Sherblom AP, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):94–102
Temperature dependence of membranous and solubilized sialyltransferase activities in the presence of 1-palmitoyl-an-glycero-3-phosphorylcholine and fatty acids. Bador H, et al. **Biochimie** 1984 Mar;66(3):223–33
The role of the one-carbon cycle in neuropsychiatric disease. Smythies JR. **Biol Psychiatry** 1984 May;19(5):755–8
Sialyltransferase of the [illegible]62 rat mammary ascites tumor cells. Pratt T, et al. **Cancer Res** 1984 Mar;44(3):1.48–52
Site-directed in vitro replacement of nucleosides in the anticodon loop of tRNA: application to the study of structural requirements for queuine insertase activity. Carbon P, et al. **EMBO J** 1983;2(7):1093–7
Aglycon specificity of fetal calf liver and ovine and porcine submaxillary gland alpha-N-acetylgalactosaminide alpha 2 leads to 6 sialyltransferase. Bergh ML, et al. **Eur J Biochem** 1983 Oct 17;136(1):113–8
Prolipoprotein modification and processing in Escherichia coli. A unique secondary structure in prolipoprotein signal sequence for the recognition by glyceryl transferase. Giam CZ, et al. **Eur J Biochem** 1984 Jun 1;141(2):331–7
Biosynthesis of a disialylated sequence in N-linked oligosaccharides: identification of an N-acetylglucosaminide (alpha 2——6)-sialyltransferase in Golgi apparatus from rat liver. Paulson JC, et al. **Eur J Biochem** 1984 May 2;140(3):523–30
Glycosyl transferases of baby hamster kidney cells and ricin-resistant mutants. O-glycan biosynthesis. Stojanovic D, et al. **Eur J Biochem** 1984 Feb 1;138(3):551–62
Glycosyltransferase activities in leukemic cells from patients and human leukemic cell lines. Rossowski W, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1431–7
Stimulation of sialyltransferase activity of melanoma cells by retinoic acid. Deutsch V, et al. **Exp Cell Res** 1983 Nov; 149(1):237–45
Alterations in properties of mung bean (Vigna radiata) serine hydroxymethyltransferase consequent on conformation changes induced by folic acid & L-serine. Rao DN, et al. **Indian J Biochem Biophys** 1983 Dec;20(6):362–8
Proteinases and sialyltransferase in human breast tumors. Abecassis J, et al. **Int J Cancer** 1984 Jun 15;33(6):821–4
Changes in the activities of S-adenosylmethionine synthetase isozymes from rat liver with dietary methionine. Matsumoto C, et al. **J Biochem (Tokyo)** 1984 Jan; 95(1):287–90
The alpha-form of S-adenosylmethionine synthetase isozymes from liver is principally functional. Matsumoto C, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1223–6
Solubilization and characterization of the long chain prenyltransferase involved in dolichyl phosphate biosynthesis. Adair WL Jr, et al. **J Biol Chem** 1984 Apr 10;259(7):4441–6
Mechanism of the glycine cleavage reaction. Further characterization of the intermediate attached to H-protein and of the reaction catalyzed by T-protein. Fujiwara K, et al. **J Biol Chem** 1984 Sep 10;259(17):10664–8
Structure and reactivity of cysteine residues in mitochondrial serine hydroxymethyltransferase. Gavilanes F, et al. **J Biol Chem** 1983 Nov 10;258(21):13155–9
Substrate recognition by oligosaccharyl transferase. Inhibition of co-translational glycosylation by acceptor peptides. Lau JT, et al. **J Biol Chem** 1983 Dec 25; 258(24):15255–60
Mechanism of carnitine acylcarnitine translocase-catalyzed import of acylcarnitines into mitochondria. Murthy MS, et al. **J Biol Chem** 1984 Jul 25;259(14):9082–9
Substrate recognition by oligosaccharyltransferase. Studies on glycosylation of modified Asn-X-Thr/Ser tripeptides. Welply JK, et al. **J Biol Chem** 1983 Oct 10; 258(19):11856–63
The effect of chronic phenytoin treatment on tissue folate concentrations and on the activities of the methyl synthetic enzymes in the rat. Carl GF, et al. **J Nutr** 1983 Nov; 113(11):2368–74
Sialyltransferase activity in tumor tissues. Berge PG, et al. **Klin Wochenschr** 1984 Apr 2;62(7):331–6
Glycosyltransferases involved in elongation of N-glycosidically linked oligosaccharides of the complex or N-acetyllactosamine type. Schachter H, et al. **Methods Enzymol** 1983;98:98–134
Polysaccharide production by cell free transferases in saliva in relation to salivary microflora. Scheie AA, et al. **Scand J Dent Res** 1984 Feb;92(1):43–9
[Activities of folate-derivative converting enzymes in the brain of patients with amyotrophic lateral sclerosis] Yoshino Y, et al. **Rinsho Shinkeigaku** 1983 Jul;23(7):563–9 (Eng. Abstr.) **(Jpn)**
[Comparative study of sialyltransferases in cultured cells of the rat embryo, transformed by DNA bovine adenovirus type 3] Gabriélian ND, et al. **Biokhimiia** 1984 Feb; 49(2):261–71 (Eng. Abstr.) **(Rus)**
[Multiple forms of glycosyltransferases in Golgi complex membrane fractions] Tsoi NTs, et al. **Biokhimiia** 1983 Jul; 48(7):1103–12 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of base exchange reaction on the Na+, K+ ATPase in rat brain microsomes. Hattori H, et al. **Neurochem Res** 1983 Sep;8(9):1185–95

SECRETION

Studies on the effect of inflammation on rat liver and serum sialyltransferase. Evidence that inflammation causes release of Gal beta 1 leads to 4GlcNAc alpha 2 leads to 6 sialyltransferase from liver. Kaplan HA, et al. **J Biol Chem** 1983 Oct 10;258(19):11505–9

TRANSFERENCE (PSYCHOLOGY)

More on transference interpretations [letter] Donovan JM. **Am J Psychiatry** 1984 Jan;141(1):142
Transference and countertransference in the light of developmental considerations. Lapkin B, et al. **Am J Psychoanal** 1983 Winter;43(4):345–59
The representation of transference through serial grids: a methodological study. Ben-Tovim DI, et al. **Br J Med Psychol** 1983 Sep;56 (Pt 3):255–61
The effect of the sex of the analyst on transference. A review of the literature. Kulish NM. **Bull Menninger Clin** 1984 Mar;48(2):95–110
Words and working through. O'Shaughnessy E. **Int J Psychoanal** 1983;64 (Pt 3):281–9
Sexual issues in the transference and countertransference between female therapist and male patient. Guttman HA. **J Am Acad Psychoanal** 1984 Apr;12(2):187–97
The value of extratransference interpretation. Panel report. **J Am Psychoanal Assoc** 1984;32(1):137–46
The uses of transference in the treatment of the individual patient in sex therapy. Nathan SG. **J Sex Marital Ther** 1983 Fall;9(3):210–8
Transference-responses in borderline patients. Searles HF. **Psychiatry** 1984 Feb;47(1):37–49
Pictures of treatment by Gill and Schafer. Friedman L. **Psychoanal Q** 1984 Apr;53(2):167–207
[Transference and countertransference] Klüwer R. **Psyche (Stuttg)** 1983 Sep;37(9):828–40 (Eng. Abstr.) **(Ger)**
[Contribution of the psychoanalyst to transference] Thomä H. **Psyche (Stuttg)** 1984 Jan;38(1):29–62 (Eng. Abstr.) **(Ger)**
[Resistance and transference in psychodrama] Leutz GA. **Psychother Psychosom Med Psychol** 1983 Sep;33 Suppl 2:93–6 (Eng. Abstr.) **(Ger)**

TRANSFERRIN

Transferrin: a perspective. Chasteen ND. **Adv Inorg Biochem** 1983;5:201–33 (90 ref.)
Purification and characterization of testicular transferrin secreted by rat Sertoli cells. Skinner MK, et al. **Biochem J** 1984 Mar 1;218(2):313–20
The oligosaccharides of human alpha 1-antitrypsin. Hercz A. **Can J Biochem Cell Biol** 1984 Jan;62(1):19–27
Use of specific antibody for rapid clearance of circulating blood background from radiolabeled tumor imaging proteins. Goodwin D, et al. **Eur J Nucl Med** 1984; 9(5):209–15
PAC studies of 111In binding to transferrin, tropolone and acetylacetone in aqueous solutions. Smith FA, et al. **Int J Appl Radiat Isot** 1984 Jun;35(6):501–6
Iodogen-catalyzed iodination of transferrin. Regoeczi E. **Int J Pept Protein Res** 1983 Oct;22(4):422–33
[Binding of 67 Ga and 59 Fe to ferritin or transferrin] Nakamura K, et al. **Radioisotopes** 1983 Apr;32(4):163–6 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Intracellular segregation of asialo-transferrin and asialo-fetuin following uptake by the same receptor system in suspended hepatocytes. Tolleshaug H. **Biochim Biophys Acta** 1984 Mar 23;803(3):182–90

ANALYSIS

Transferrin in disease. I: A potential prognostic indicator in patients undergoing bone marrow transplantation. Hunter RL, et al. **Am J Clin Pathol** 1984 May;81(5):581–5
Transferrin in disease II: defects in the regulation of transferrin saturation with iron contribute to susceptibility to infection. Hunter RL, et al. **Am J Clin Pathol** 1984 Jun; 81(6):748–53
Hematocrit values in white, black, and American Indian children with comparable iron status. Evidence to support uniform diagnostic criteria for anemia among all races. Yip R, et al. **Am J Dis Child** 1984 Sep;138(9):824–7
Iron-binding proteins, hepatitis B virus, and mortality in the Solomon Islands. Stevens RG, et al. **Am J Epidemiol** 1983 Oct;118(4):550–61
Iron status of the preterm infant during the first year of life. Halliday HL, et al. **Biol Neonate** 1984;45(5):228–35
Localization of transferrin and transferrin receptors in rat testes. Sylvester SR, et al. **Biol Reprod** 1984 Aug; 31(1):195–203
The isolation and partial characterization of the cyanogen bromide peptides from human transferrin. Tate K. **Bull Osaka Med Sch** 1982 Oct;28(2):153–64
Freeze/thaw stability of transferrin, and reference values obtained with kinetic nephelometry. Stoddard L, et al. **Clin Chem** 1984 Jan;30(1):114–5
The microheterogeneity of human transferrins in biological fluids. van Eijk HG, et al. **Clin Chim Acta** 1983 Aug 15; 132(2):167–71
Increased concentrations of a transferrin variant after alcohol abuse. Vesterberg O, et al. **Clin Chim Acta** 1984 Aug 15; 141(1):33–9
The identification of transferrin, an iron-binding protein in rabbit tears. Boonstra A, et al. **Exp Eye Res** 1984 Jun; 38(6):561–7
Plasma growth-promoting activity measured as thymidine activity in constitutionally short children. Thiériot-Prévost G, et al. **Horm Res** 1984;19(1):1–4
Distribution of ferritin, transferrin and lactoferrin in breast carcinoma tissue. Rossiello R, et al. **J Clin Pathol** 1984 Jan;37(1):51–5
Ultrastructural indirect immunolocalization of transferrin in cultured rat hepatocytes permeabilized with saponin. Vassy J, et al. **J Histochem Cytochem** 1984 May;32(5):538–40
Glycosylated albumin and transferrin: short-term markers of blood glucose control. Kemp SF, et al. **J Pediatr** 1984 Sep;105(3):394–8
Relationships between serum total iron-binding capacity and transferrin. Crosby LO, et al. **JPEN** 1984 May-Jun; 8(3):274–8
Transferrin assay and total iron-binding capacity. Markowitz H, et al. **Mayo Clin Proc** 1983 Dec;58(12):827–8
Evaluation of iron status in patients on chronic hemodialysis: relative usefulness of bone marrow hemosiderin, serum ferritin, transferrin saturation, mean corpuscular volume and red cell protoporphyrin. Moreb J, et al. **Nephron** 1983; 35(3):196–200
Determination of Tf C subtypes by isoelectric focusing and its demonstration from bloodstains. Kido A, et al. **Nippon Hoigaku Zasshi** 1984 Feb;38(1):5–8
On the origin of the non-haemic iron transferrin ESR signal: ESR investigations on histidine-iron-citric acid systems. Lohmann W, et al. **Z Naturforsch [C]** 1983 Nov-Dec; 38(11-12):926–8
[Proteins with a short half-life in patients in critical condition] Poláčková M, et al. **Cas Lek Cesk** 1983 Jul 15; 122(28):890–3 (Eng. Abstr.) **(Cze)**
[Importance of prolactinemia and IgA-transferrin ratio in chronic alcoholism and alcoholic hepatopathies] Pellerito RE, et al. **Minerva Med** 1983 Oct 20;74(40):2381–8 (Eng. Abstr.) **(Ita)**
[Serum ferritin and iron therapy in patients treated with periodic hemodialysis] Docci D, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):454–62 (Eng. Abstr.) **(Ita)**
[Changes of plasma amino acids and plasma transferrin in alcoholic liver diseases] Morikawa T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1005–11 (Eng. Abstr.) **(Jpn)**
[Clinical course of transferrin, blood iron, total iron-binding capacity and degree of saturation during the treatment of lymphoma] Gastón Morata JL, et al. **Rev Clin Esp** 1983 Sep 15;170(5):205–8 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Effect of corynetoxin isolated from parasitized annual ryegrass on albumin and transferrin synthesis and secretion by cultured fetal rat hepatocytes. Yeoh GC, et al. **Exp Cell Res** 1984 Apr;151(2):421–32
Chick embryo spinal cord neurons synthesize a transferrin-like myotrophic protein. Stamatos C, et al. **FEBS Lett** 1983 Mar 21;153(2):387–90
[Ability of the cells of intra- and interspecific hybrids of murine hepatoma XXIIa to synthesize the serum proteins albumin and transferrin] Aleksanian IuT, et al. **Tsitologiia** 1984 Jan;26(1):97–101 (Eng. Abstr.) **(Rus)**

BLOOD

Screening for iron overload using transferrin saturation. Olsson KS, et al. **Acta Med Scand** 1984;215(2):105–12
Changes in serum albumin, transferrin and amino acid indices during the first month of life in small-for-date infants. Faus MJ, et al. **Ann Nutr Metab** 1984;28(2):70–6
Clinching the diagnosis: 1. Iron deficiency and iron overload: serum ferritin and serum iron in clinical medicine. Kimber RJ, et al. **Pathology** 1983 Oct;15(4):497–503

CEREBROSPINAL FLUID

The CSF transferrin pattern of paroxysmal kinesigenic choreoathetosis [letter] Merelli E, et al. **Ital J Neurol Sci** 1984 Mar;5(1):103–4
CFS transferrin in various neurological diseases. Merelli E, et al. **Riv Patol Nerv Ment** 1982 Nov-Dec;103(6):253–61

DEFICIENCY

[Atransferrinemia secondary to hepatic cirrhosis, hemochromatosis, and nephrotic syndrome] Gastón Morata JL, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):491–5 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Estimation of the uteroplacental perfusion by use of 113mIn-transferrin and an iterative regression method. Leodolter S, et al. **Gynecol Obstet Invest** 1983;16(3):172–9

GENETICS

Transferrin subtypes in four Northwest Indian tribal populations and some remarks on the anthropological value of this new polymorphism. Walter H, et al.

Am J Phys Anthropol 1983 Aug;61(4):423–8

The structural gene for transferrin (TF) maps to 3q21——3qter. Huerre C, et al. Ann Genet (Paris) 1984; 27(1):5–10

Evidence for linkage between the loci for transferrin and ceruloplasmin in man. Weitkamp LR. Ann Hum Genet 1983 Oct;47 (Pt 4):293–7

Synthesis of rat transferrin in Escherichia coli containing a recombinant bacteriophage. Aldred AR, et al. Biochem Biophys Res Commun 1984 Aug 16;122(3):960–5

Expression of the transferrin gene during development of non-hepatic tissues: high level of transferrin mRNA in fetal muscle and adult brain. Levin MJ, et al. Biochem Biophys Res Commun 1984 Jul 18;122(1):212–7

Molecular cloning and sequence analysis of cDNA for human transferrin. Uzan G, et al. Biochem Biophys Res Commun 1984 Feb 29;119(1):273–81

Reliability of transferrin and leucine aminopeptidase phenotyping in wild meadow voles (Microtus pennsylvanicus). Mihok S, et al. Biochem Genet 1983 Oct; 21(9–10):969–83

Linkage group VI of fish of the genus Xiphophorus (Poeciliidae): assignment of genes coding for glutamine synthetase, uridine monophosphate kinase, and transferrin. Morizot DC, et al. Biochem Genet 1983 Oct; 21(9–10):1041–9

Expression of the chicken transferrin gene in transgenic mice. McKnight GS, et al. Cell 1983 Sep;34(2):335–41

Review of isoelectric focusing for Gc, PGM1, Tf, and Pi subtypes: population distributions. Dykes DD, et al. CRC Crit Rev Clin Lab Sci 1984;20(2):115–51 (188 ref.)

Messenger RNA activities of four acute phase proteins during inflammation. Northemann W, et al. FEBS Lett 1983 Sep 19;161(2):319–22

The polymorphism of transferrin by ultrathin-layer isoelectric focusing. Tf phenotypes and TfC subtypes in the population of Padua. Cortivo P, et al. Forensic Sci Int 1984 Jan;24(1):65–8

Genetic polymorphism of serum postalbumin (Po) and pretransferrin (Prt) in the laboratory rabbit. Juneja RK, et al. Hereditas 1984;100(1):11–5

Transferrin subtypes and variants in Germany; further evidence for a Tf null allele. Weidinger S, et al. Hum Genet 1984;66(4):356–60

Genetic linkage studies of transferrin, pseudocholinesterase, and chromosome 1 loci. Sparkes RS, et al. Hum Hered 1984;34(2):96–100

Genetic variations in albumin and transferrin as species markers in plasma of Callithricidae. Shimaoka T, et al. Jikken Dobutsu 1984 Jan;33(1):105–8

Human transferrin: cDNA characterization and chromosomal localization. Yang F, et al. Proc Natl Acad Sci USA 1984 May;81(9):2752–6

Specific expression of transferred genes. Foreign genes, which were transferred into mice, appear to be expressed according to more normal patterns of tissue distribution [news] Marx JL. Science 1983 Dec 2;222(4627):1001–2

[Genetic polymorphism of transferrins in Bovinae] Rozhkov IuI, et al. Genetika (Moskva) 1984 Jan;20(1):107–13 (Eng. Abstr.) (Rus)

[Cloning of double-stranded DNA—a transcript of rat transferrin mRNA] Ryskov AP, et al. Mol Biol (Mosk) 1984 Jan–Feb;18(1):104–14 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Production and characterization of monoclonal antibodies against human transferrin. Bártek J, et al. Folia Biol (Praha) 1984;30(2):137–40

Involvement of transferrin and transferrin receptors in human natural killer effector:target interaction. Baines MG, et al. Immunol Lett 1983;7(1):51–5

Demonstration of an epitope of the transferrin receptor in human cervical epithelium—a potentially useful cell marker. Lloyd JM, et al. J Clin Pathol 1984 Feb;37(2):131–5

ISOLATION & PURIFICATION

Rapid resolution of transferrin C subtypes through isoelectric focusing with 2-mercaptoethanol. Auconi P, et al. Anal Biochem 1983 Sep;133(2):271–4

DEAE-Affi-Gel Blue chromatography of human serum: use for purification of native transferrin. Werner PA, et al. Arch Biochem Biophys 1983 Oct 1;226(1):393–8

The use of two-dimensional correlated spectroscopy to obtain new assignments in the high-resolution 1H nuclear magnetic resonance spectrum of the biantennary complex oligosaccharide isolated from human serum transferrin by hydrazinolysis. Homans SW, et al. Biochim Biophys Acta 1983 Oct 18;760(2):256–61

Separation of transferrin types in human plasma by anion-exchange high-performance liquid chromatography. Strahler JR, et al. J Chromatogr 1983 Aug 26;266:281–91

Human granulocyte/pollen-binding protein. Recognition and identification as transferrin. Sass-Kuhn SP, et al. J Clin Invest 1984 Jan;73(1):202–10

[Purification and characterization of two types of rat transferrin] Maeda M. Nippon Ika Daigaku Zasshi 1984 Jun; 51(3):346–61 (Eng. Abstr.) (Jpn)

METABOLISM

Interaction of human serum transferrin with Neisseria gonorrhoeae, demonstrated by agglutination and precipitation. Rød TO, et al. Acta Pathol Microbiol Immunol Scand [C] 1984 Apr; 92(2):139–43

Lack of direct association between serum transferrin and serum biochemical indicators of vitamin A nutriture. Mejia LA, et al. Acta Vitaminol Enzymol 1983;5(3):179–84

Transferrin glycans: a possible link between alcoholism and hepatic siderosis. Regoeczi E, et al. Alcoholism (NY) 1984 May–Jun;8(3):287–92

Monocyte transferrin-iron uptake in hereditary hemochromatosis. Sizemore DJ, et al. Am J Hematol 1984 May;16(4):347–54

Transferrin and iron uptake by rat hepatocytes in culture. Page MA, et al. Am J Physiol 1984 Jan;246(1 Pt 1):G26–33

Comparative oxidations of tyrosines and methionines in transferrins: human serum transferrin, human lactotransferrin, and chicken ovotransferrin. Penner MH, et al. Arch Biochem Biophys 1983 Sep;225(2):740–7

Quiescent lymphocytes express intracellular transferrin receptors. Weiel JE, et al. Biochem Biophys Res Commun 1984 Mar 15;119(2):598–602

The number of the Trf receptors on human hematopoietic cell lines is influenced by membrane phospholipids. Testa U, et al. Biochem Int 1983 Aug;7(2):169–78

The effect of the iron saturation of transferrin on its binding and uptake by rabbit reticulocytes. Young SP, et al. Biochem J 1984 Apr 15;219(2):505–10

Prelysosomal divergence of transferrin and epidermal growth factor during receptor-mediated endocytosis. Dickson RB, et al. Biochemistry 1983 Nov 22;22(24):5667–74

Thermodynamic binding constants of the zinc-human serum transferrin complex. Harris WR. Biochemistry 1983 Aug 2;22(16):3920–6

Effect of serum albumin on siderophore-mediated utilization of transferrin iron. Konopka K, et al. Biochemistry 1984 May 8;23(10):2122–7

The nature of iron released by resident and stimulated mouse peritoneal macrophages. Brock JH, et al. Biochim Biophys Acta 1984 Jan 24;797(1):105–11

Uptake of iron from transferrin by isolated hepatocytes. Thorstensen K, et al. Biochim Biophys Acta 1984 Jun 19; 804(2):200–8

Albumin prevents nonspecific transferrin binding and iron uptake by isolated hepatocytes. Thorstensen K, et al. Biochim Biophys Acta 1984 Aug 17;804(4):393–7

Transferrin endocytosis and iron uptake during erythroid cell development. Iacopetta BJ, et al. Biomed Biochim Acta 1983;42(11–12):S182–6

Availability, distribution and kinetics of the transferrin receptors of rabbit reticulocytes. Egyed A. Br J Haematol 1984 Apr;56(4):563–70

In vitro and in vivo studies of iron delivery by human monoferric transferrins. van der Heul C, et al. Br J Haematol 1984 Apr;56(4):571–80

Abnormal in vitro function of a variant human transferrin. Young SP, et al. Br J Haematol 1984 Apr;56(4):581–7

Intracellular routing of transferrin and transferrin receptors in epidermoid carcinoma A431 cells. Hopkins CR. Cell 1983 Nov;35(1):321–30

Segregation of transferrin to a mildly acidic (pH 6.5) para-Golgi compartment in the recycling pathway. Yamashiro DJ, et al. Cell 1984 Jul;37(3):789–800

Expression of transferrin receptor on murine hematopoietic progenitors. Lesley J, et al. Cell Immunol 1984 Jan; 83(1):14–25

Aluminium interaction with 67Ga uptake by human plasma and transferrin. Cochran M, et al. Clin Chim Acta 1983 Aug 15;132(2):199–203

Transferrin and cellular iron exchange. Young S, et al. Clin Sci 1984 Sep;67(3):273–8 (65 ref.)

Localization of a gene controlling the expression of the human transferrin receptor to the region q12 leads to qter of chromosome 3. van de Rijn M, et al. Cytogenet Cell Genet 1983;36(3):525–31

There is selective accumulation of a growth factor in chicken skeletal muscle. I. Transferrin accumulation in adult anterior latissimus dorsi. Matsuda R, et al. Dev Biol 1984 Jun;103(2):267–75

There is selective accumulation of a growth factor in chicken skeletal muscle. II. Transferrin accumulation in dystrophic fast muscle. Matsuda R, et al. Dev Biol 1984 Jun; 103(2):276–84

Transferrin binds specifically to pachytene spermatocytes. Holmes SD, et al. Endocrinology 1983 Nov;113(5):1916–8

Intracellular forms of transferrin oligosaccharide chains in rat liver. Nakada H, et al. Eur J Biochem 1983 Nov 2; 136(2):259–65

An electron-microscope autoradiographic study of transferrin endocytosis by immature erythroid cells. Iacopetta BJ, et al. Eur J Cell Biol 1983 Nov;32(1):17–23

Role of FeCl3 in 67Ga uptake by HeLa S3 cells in vitro. Muranaka A, et al. Eur J Nucl Med 1983;8(9):408–11

97Ru-transferrin uptake in tumor and abscess. Som P, et al. Eur J Nucl Med 1983;8(11):491–4

67Ga-transferrin and 67Ga-lactoferrin binding to tumor cells: specific versus nonspecific glycoprotein-cell interaction. Vallabhajosula S, et al. Eur J Nucl Med 1983; 8(8):354–7

Iron uptake by Chinese hamster fibroblasts from human transferrin. Smit S, et al. Exp Cell Res 1984 Jul;153(1):73–80

Ceruloplasmin and regulation of transferrin iron during Neisseria meningitidis infection in mice. Letendre ED, et al. Infect Immun 1984 Jul;45(1):133–8

Iron uptake from sialo transferrins by rat reticulocytes. Dekker CJ, et al. Int J Biochem 1984;16(7):787–92

Increase of transferrin receptors in hepatocytes during rat liver regeneration. Hirose-Kumagai A, et al. Int J Biochem 1984;16(6):601–5

Uptake of ruthenium-labeled transferrin in healing wounds. Helson L, et al. Int J Nucl Med Biol 1983;10(4):237–9

Physiological levels of binding and iron donation by complementary half-molecules of ovotransferrin to transferrin receptors of chick reticulocytes. Brown-Mason A, et al. J Biol Chem 1984 Feb 10;259(3):1866–73

The effect of monoclonal antibodies to the human transferrin receptor on transferrin and iron uptake by rat and rabbit reticulocytes. McArdle HJ, et al. J Biol Chem 1984 Feb 10;259(3):1398–400

Biosynthetic regulation of the human transferrin receptor by desferrioxamine in K562 cells. Mattia E, et al. J Biol Chem 1984 Mar 10;259(5):2689–92

A highly cytotoxic human transferrin-ricin A chain conjugate used to select receptor-modified cells. Raso V, et al. J Biol Chem 1984 Jan 25;259(2):1143–9

Developmental changes in plasma transferrin concentrations related to red cell ferritin. Valaitis AP, et al. J Biol Chem 1984 Jan 25;259(2):779–84

Electron paramagnetic resonance measurement of the distance between the metal binding sites of transferrin. Zweier JL. J Biol Chem 1983 Nov 25;258(22):13759–60

Sorting and recycling of cell surface receptors and endocytosed ligands: the asialoglycoprotein and transferrin receptors. Ciechanover A, et al. J Cell Biochem 1983; 23(1–4):107–30 (67 ref.)

Failure to release iron from transferrin in a Chinese hamster ovary cell mutant pleiotropically defective in endocytosis. Klausner RD, et al. J Cell Biol 1984 Mar;98(3):1098–101

Vesicular stomatitis virus glycoprotein, albumin, and transferrin are transported to the cell surface via the same Golgi vesicles. Strous GJ, et al. J Cell Biol 1983 Dec; 97(6):1815–22

Immunoregulation by low density lipoproteins in man. Inhibition of mitogen-induced T lymphocyte proliferation by interference with transferrin metabolism. Cuthbert JA, et al. J Clin Invest 1984 Apr;73(4):992–1003

NK recognition of target structures: is the transferrin receptor the NK target structure? Newman RA, et al. J Immunol 1984 Oct;133(4):1841–5

Degradation of albumin, haemopexin, haptoglobin and transferrin, by black-pigmented Bacteroides species. Carlsson J, et al. J Med Microbiol 1984 Aug;18(1):39–46

Albumin, prealbumin, transferrin and serum proteinase inhibitors in asymptomatic and hospitalized Thai alcohol drinkers. Pongpaew P, et al. J Stud Alcohol 1983 Mar; 44(2):381–3

Inhibition of transferring binding and iron uptake of hematopoietic cell lines by phorbol esters. Pelicci PG, et al. Leuk Res 1984;8(4):597–609

Localization of transferrin in rat duodenal mucosa by immunoperoxidase technique. Isobe K, et al. Nippon Ketsueki Gakkai Zasshi 1983 Jul;46(4):797–807

Transferrin and cell membrane transport of iron. Nutr Rev 1984 Jan;42(1):24–6 (7 ref.)

Quantitative estimation of abnormal microheterogeneity of serum transferrin in alcoholics. Stibler H, et al. Pharmacol Biochem Behav 1980;13 Suppl 1:47–51

Occupancy of the iron binding sites of human transferrin. Huebers HA, et al. Proc Natl Acad Sci USA 1984 Jul; 81(14):4326–30

Rapid internalization of the transferrin receptor in K562 cells is triggered by ligand binding or treatment with a phorbol ester. Klausner RD, et al. Proc Natl Acad Sci USA 1984 May;81(10):3005–9

Association of phorbol ester-induced hyperphosphorylation and reversible regulation of transferrin membrane receptors in HL60 cells. May WS, et al. Proc Natl Acad Sci USA 1984 Apr;81(7):2016–20

Morphologic characterization of the pathway of transferrin endocytosis and recycling in human KB cells. Willingham MC, et al. Proc Natl Acad Sci USA 1984 Jan;81(1):175–9

Structure and function of the transferrin receptor. Seligman PA. Prog Hematol 1983;13:131–47 (100 ref.)

[Iron-deficiency in late pregnancy—observation on free erythrocyte protoporphyrin, transferrin saturation and marrow iron in 16 cases] Chen ZZ. Chung Hua I Hsueh Tsa Chih 1984 Feb;64(2):108–11 (Chi)

[Effect of sociobiological phenomena on the concentration of selected serum proteins in the rat] Schade R, et al. Z Versuchstierkd 1983;25(5):251–62 (Eng. Abstr.) (Ger)

[Iron content of the blood and saturation of serum transferrin with iron as affected by roentgen rays] Gotsuliak LE. Radiobiologiia 1984 May–Jun;24(3):362–4 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Role of transferrin in uptake of non-physiological metals into cells. Planas-Bohne F, et al. Cell Biochem Funct 1983 Oct; 1(3):141–2

Effect of transferrin on alkaline phosphatase activity and collagen synthesis in osteoblastic cells derived from newborn mouse calvaria. Tsunoi M, et al. Exp Cell Res 1984 Jul;153(1):240–4

Effect of lactoferrin on the growth of a human colon

adenocarcinoma cell line--comparison with transferrin. Amouric M, et al. **In Vitro** 1984 Jul;20(7):543–8

Effects of ferrous iron and transferrin on cell proliferation of human diploid fibroblasts in serum-free culture. Kan M, et al. **In Vitro** 1984 Feb;20(2):89–94

A lipophilic iron chelator can replace transferrin as a stimulator of cell proliferation and differentiation. Landschulz W, et al. **J Cell Biol** 1984 Feb;98(2):596–601

'Trophic' effect of transferrin on amphibian limb regeneration blastemas. Mescher AL, et al. **J Exp Zool** 1984 Jun; 230(3):485–90

Progressive loss of the proliferative response of senescing WI-38 cells to platelet-derived growth factor, epidermal growth factor, insulin, transferrin, and dexamethasone. Phillips PD, et al. **J Gerontol** 1984 Jan;39(1):11–7

Trophic effect of iron-bound transferrin on acetylcholine receptors in rat skeletal muscle in vivo. Wada K, et al. **Neurosci Lett** 1983 Aug 8;38(3):303–7

[Effects of insulin, somatomedin--a multiplication stimulating activity (MSA)--and transferrin, on the lipolysis of rat adipocytes in vitro] Elsair J, et al. **C R Soc Biol (Paris)** 1984;178(1):56–62 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Transferrin is required for early tooth morphogenesis. Partanen AM, et al. **Differentiation** 1984;27(1):59–66

Effect of transferrin absence on in vitro globin chain synthesis in reticulocytes of beta-thalassemic patients. Sener S, et al. **Hemoglobin** 1983;7(4):313–20

Ascorbate (vitamin C) and dehydroascorbate stimulation of copper induced hemolysis. Protective action of ceruloplasmin, albumin and apotransferrin. Løvstad RA. **Int J Biochem** 1984;16(2):155–9

Regulation of mitotic activity and the cell cycle in primary chick muscle cells by neurotransferrin. Popiela H, et al. **J Cell Physiol** 1984 May;119(2):234–40

TRANSFORMATION, BACTERIAL

Gene transfer mechanisms among members of the genus Rhodopseudomonas. Pemberton JM, et al. **Ann Microbiol (Paris)** 1983 Jul–Aug;134B(1):195–204 (36 ref.)

Transformation of Bacillus stearothermophilus with plasmid DNA and its application to molecular cloning. Aiba S, et al. **Ann NY Acad Sci** 1983;413:57–70

Implantation of transformant strains of the bacterium Streptococcus sanguis into adult human mouths. Westergren G, et al. **Arch Oral Biol** 1983;28(8):729–33

Intramolecular recombination during plasmid transformation of Bacillus subtilis competent cells. Michel B, et al. **EMBO J** 1982;1(12):1565–71

Advances in protoplast fusion and transformation in Streptomyces. Baltz RH, et al. **Experientia [Suppl]** 1983; 46:143–8

Yeast strain improvement by protoplast fusion and transformation. Morgan AJ. **Experientia [Suppl]** 1983; 46:155–66

The instability of plasmid pON5300 after its transformation into Escherichia coli K 12. Navrátil O, et al. **Folia Microbiol (Praha)** 1983;28(4):249–52

Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. III. Reaction rates. Held KD, et al. **Int J Radiat Biol** 1984 Jun;45(6):627–36

Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. II. Glutathione, cysteine and cysteamine. Held KD, et al. **Int J Radiat Biol** 1984 Jun; 45(6):615–26

Role of the electrochemical proton gradient in genetic transformation of Haemophilus influenzae. Bremer W, et al. **J Bacteriol** 1984 Mar;157(3):868–73

Use of ureidopenicillins for selection of plasmid vector transformants in Pseudomonas aeruginosa and Pseudomonas putida. Day DL, et al. **J Bacteriol** 1984 Mar; 157(3):937–9

Isolation and characterization of Bacillus subtilis mutants altered in competence. Fani R, et al. **J Bacteriol** 1984 Jan; 157(1):152–7

Uptake of heterologous DNA by Haemophilus influenzae. Goodgal SH, et al. **J Bacteriol** 1984 Mar;157(3):785–8

Transformation of Clostridium perfringens. Heefner DL, et al. **J Bacteriol** 1984 Aug;159(2):460–4

Protoplast transformation of glutamate-producing bacteria with plasmid DNA. Katsumata R, et al. **J Bacteriol** 1984 Jul;159(1):306–11

Use of a cloned DNA fragment to analyze the fate of donor DNA in transformation of Streptococcus pneumoniae. Méjean V, et al. **J Bacteriol** 1984 Jun;158(3):1175–8

Isolation and characterization of three new classes of transformation-deficient mutants of Streptococcus pneumoniae that are defective in DNA transport and genetic recombination. Morrison DA, et al. **J Bacteriol** 1983 Oct;156(1):281–90

Molecular cloning with bifunctional plasmid vectors in Bacillus subtilis: isolation of a spontaneous mutant of Bacillus subtilis with enhanced transformability for Escherichia coli-propagated chimeric plasmid DNA. Ostroff GR, et al. **J Bacteriol** 1983 Nov;156(2):934–6

Transformation in Bacillus subtilis: a 75,000-dalton protein complex is involved in binding and entry of donor DNA. Smith H, et al. **J Bacteriol** 1984 Mar;157(3):733–8

Transformation in Bacillus subtilis: purification and partial characterization of a membrane-bound DNA-binding protein. Smith H, et al. **J Bacteriol** 1983 Oct;156(1):101–8

Evidence for an active role of donor cells in natural transformation of Pseudomonas stutzeri. Stewart GJ, et al. **J Bacteriol** 1983 Oct;156(1):30–5

Genetic transformation of Bacillus brevis 47, a protein-secreting bacterium, by plasmid DNA. Takahashi W, et al. **J Bacteriol** 1983 Dec;156(3):1130–4

Transformability of galE variants derived from uropathogenic Escherichia coli strains. van Die IM, et al. **J Bacteriol** 1984 May;158(2):760–1

Plasmid transformation of Bacillus sphaericus 1593. McDonald KO, et al. **J Gen Microbiol** 1984 Jan;130 (Pt 1):203–8

Heterospecific transformation in the genus Haemophilus. Albritton WL, et al. **MGG** 1984;193(2):358–63

Recombination-dependent recircularization of linearized pBR322 plasmid DNA following transformation of Escherichia coli. Conley EC, et al. **MGG** 1984; 194(1–2):211–8

Intracellular effects of phage phi W-14 DNA on transformation of Bacillus subtilis. Lopez P, et al. **MGG** 1984;193(1):85–91

Directional transport and integration of donor DNA in Haemophilus influenzae transformation. Barany F, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7274–8

Transformasomes: specialized membranous structures that protect DNA during Haemophilus transformation. Kahn ME, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6927–31

Hyperrecombination at a specific DNA sequence in pneumococcal transformation. Lefèvre JC, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5184–8

Similar ultraviolet action spectra for the protection by glycerol of transforming DNA against single-strand breaks and inactivation of biological activity. Peak JG, et al. **Radiat Res** 1984 Mar;97(3):570–5

Intrageneric and intergeneric transfer of Branhamella catarrhalis beta-lactamase production. Kamme C, et al. **Scand J Infect Dis** 1984;16(2):153–5

Diagnosis of gonorrhoea using a genetic transformation test at a venereal disease clinic in Thailand. Sangsue S, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):191–4

Gene expression after transformation of Streptomyces lividans protoplasts with plasmid pIJ2 DNA. Noack D, et al. **Z Allg Mikrobiol** 1984;24(3):161–6

Taxonomic implications of quantitative transformation in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):214–28

Factors affecting quantitative transformation of streptomycin resistance markers in Acinetobacter calcoaceticus. Bergan T, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):197–213

[Transformation of Bacillus cereus protoplasts with the plasmid DNA from Bacillus thuringiensis transformants] Shivarova N, et al. **Acta Microbiol Bulg** 1983;13:11–5 (Eng. Abstr.) **(Bul)**

[Transformation of Escherichia coli and different species of Pseudomonas by a plasmid DNA isolated from Pseudomonas testosteroni] Couetdic G, et al. **C R Seances Acad Sci [III]** 1983;297(1):25–8 (Eng. Abstr.) **(Fre)**

[Principles of isolation and identification of various strains of bacteria of the Neisseriaceae family. III. Methods and interpretation of the results of transformation of streptomycin resistance markers among strains of the genus Moraxella] Linda H, et al. **Med Dosw Mikrobiol** 1984; 36(1):19–25 (Eng. Abstr.) **(Pol)**

[Incorporation of plasmid DNA into liposomes from the total lipid of E. coli and determination of their stability] Cherniavskiĭ VA, et al. **Biokhimiia** 1984 Jan;49(1):38–44 (Eng. Abstr.) **(Rus)**

[Transformation of competent Bacillus subtilis cells by chromosomal and plasmid DNA incorporated in liposomes] Glumova EF, et al. **Genetika (Moskva)** 1983 Dec; 19(12):1958–64 (Eng. Abstr.) **(Rus)**

[Capacity of Bacillus mesentericus for certain kinds of genetic exchange] Malkov SV, et al. **Genetika (Moskva)** 1983 Jul; 19(7):1091–6 (Eng. Abstr.) **(Rus)**

[Growth indices of Bacillus subtilis clones transformed by staphylococcal plasmid DNA] Ivanov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):38–41 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Differences in transformation of repair-deficient mutants of E. coli with BPDE- or chlorozotocin-modified plasmid DNA. Vadi HV. **Carcinogenesis** 1983 Nov;4(11):1379–84

pBR322 plasmid DNA modified with 2-acetylaminofluorene derivatives: transforming activity and in vitro strand cleavage by the Escherichia coli uvrABC endonuclease. Fuchs RP, et al. **EMBO J** 1984 Apr;3(4):757–60

Local anesthetics block transient expression of inducible functions for transformation in Streptococcus sanguis. Raina JL. **J Bacteriol** 1983 Oct;156(1):450–4

[Mutagenic action of O-methlhydroxylamide on transforming DNA] Bresler SE, et al. **Genetika (Moskva)** 1983 Sep;19(9):1397–403 (Eng. Abstr.) **(Rus)**

[Transformation of bacteria on a solid medium] Tarasova TD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul; (7):8–13 (51 ref.) **(Rus)**

RADIATION EFFECTS

[Action of temperature during irradiation with near-ultraviolet light (325–400nm) of the transforming DNA of Haemophilus influenzae] Curiel-Quesada E, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep;25(3):197–202 (Eng. Abstr.) **(Spa)**

TRANSFORMATION, GENETIC

see related
DNA, RECOMBINANT

The efficiency of genetic transformation of mammalian cells by transfection and microinjection depends on the transferred gene. Strauss M, et al. **Biomed Biochim Acta** 1983;42(7–8):K27–34

New heat shock puffs and beta-galactosidase activity resulting from transformation of Drosophila with an hsp70-lacZ hybrid gene. Lis JT, et al. **Cell** 1983 Dec;35(2 Pt 1):403–10

Differences in the efficiency and stability of gene expression after transfection and nuclear injection: a study with a chick delta-crystallin gene. Xie HX. **Cell Struct Funct** 1983 Dec; 8(4):315–25

Oncogenes and oncogenesis. Currie GA. **Clin Oncol** 1984 Jun;10(2):97–101

Gene transfer into mammalian cells. Colbère-Garapin F, et al. **Dev Biol Stand** 1983;55:267–71

Vectors containing a prokaryotic dihydrofolate reductase gene transform Drosophila cells to methotrexate-resistance. Bourouis M, et al. **EMBO J** 1983;2(7):1099–104

Transplantation of the human insulin gene into fertilized mouse eggs. Bürki K, et al. **EMBO J** 1982;1(1):127–31

The normal developmental regulation of a cloned sgs3 'glue' gene chromosomally integrated in Drosophila melanogaster by P element transformation. Richards G, et al. **EMBO J** 1983;2(12):2137–42

Transfer of human globin genes to erythroleukemic mouse cells. Spandidos DA, et al. **EMBO J** 1982;1(1):15–20

Presence of fibroblast-transforming genes in normal DNA of several mouse and rat strains. Bentvelzen P. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):567–71

Early release of the density-dependent inhibition of phosphate uptake and ATP synthesis after src gene expression in chick embryo fibroblasts. Jullien M, et al. **Exp Cell Res** 1984 Jun;152(2):390–401

Dual parameter, quantitative cytofluorometric analysis of endogenous H-2Kk and foreign HLA class I molecules expressed at the surface of murine transformed L cells. Le Bouteiller PP, et al. **Exp Cell Res** 1983 Dec; 149(2):587–92

Transformation of teratocarcinoma stem cells and fibroblasts with various vectors containing the Eco.gpt gene as a selection marker. Thillet J, et al. **Exp Cell Res** 1984 Apr; 151(2):494–501

Length of foreign DNA in chimeric plasmids determines the efficiency of its integration into the chromosome of the cyanobacterium Synechococcus R2. Kolowsky KS, et al. **Gene** 1984 Mar;27(3):289–99

Selection for restriction-induced in vivo deletion in phage vector phi 1E1 of Bacillus subtilis. Shimotsu H, et al. **Gene** 1983 Jul;23(1):99–103

Transformation by integration in Aspergillus nidulans. Tilburn J, et al. **Gene** 1983 Dec;26(2–3):205–21

Direct selection of Saccharomyces cerevisiae resistant to the antibiotic G418 following transformation with a DNA vector carrying the kanamycin-resistance gene of Tn903. Webster TD, et al. **Gene** 1983 Dec;26(2–3):243–52

Information transfer, cell regulation, and disease mechanisms: insights from studies of cell surface receptors. Roth J, et al. **Harvey Lect** 1981–82;77:81–127 (101 ref.)

DNA-mediated gene transfer into human diploid fibroblasts derived from normal and ataxia-telangiectasia donors: parameters for DNA transfer and properties of DNA transformants. Debenham PG, et al. **Int J Radiat Biol** 1984 May;45(5):525–36

Transformation of Kluyveromyces fragilis. Das S, et al. **J Bacteriol** 1984 Jun;158(3):1165–7

Optimal conditions for genetic transformation of the cyanobacterium Anacystis nidulans R2. Golden SS, et al. **J Bacteriol** 1984 Apr;158(1):36–42

Homeotic transformations of the abdominal segments of Drosophila caused by breaking or deleting a central portion of the bithorax complex. Morata G, et al. **J Embryol Exp Morphol** 1983 Dec;78:319–41

Studies of foreign genes transmitted through the germ lines of transgenic mice. Gordon JW. **J Exp Zool** 1983 Nov; 228(2):313–24

DNA modification, differentiation, and transformation. Jones PA, et al. **J Exp Zool** 1983 Nov;228(2):287–95 (51 ref.)

Transfer of nitrate reductase genes of the cyanobacterium Nostoc muscorum into Rhizobium japonicum. Singh RK, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2531–4

Transformation of LMTK- cells with purified class I genes. V. Antibody-induced structural modification of HLA class I molecules results in potentiation of the fixation of a second monoclonal antibody. Lemonnier FA, et al. **J Immunol** 1984 Mar;132(3):1176–82

Deletion and insertion mutations in early region 1a of type

5 adenovirus that produce cold-sensitive or defective phenotypes for transformation. Babiss LE, et al. **J Virol** 1984 Mar;49(3):731–40

Transformation of nuclear respiratory deficient mutants of yeast. Dieckmann CL, et al. **Methods Enzymol** 1983; 97:355–61

Plasmid transformation in Bacillus subtilis. Effects of the insertion of Bacillus subtilis rRNA genes into plasmids. Iglesias A, et al. **MGG** 1983;192(1–2):149–54

Influence of temperature-induced competence in the genetic transformation of Bacillus subtilis. Lopez P, et al. **Microbios** 1983;38(153–154):205–16

Efficient transformation of Dictyostelium discoideum amoebae. Barclay SL, et al. **Mol Cell Biol** 1983 Dec; 3(12):2117–30

Correlation of gene expression and transformation frequency with the presence of an enhancing sequence in the transforming DNA. Berg PE, et al. **Mol Cell Biol** 1984 Feb;4(2):368–70

Transformation of protoplasted yeast cells is directly associated with cell fusion. Harashima S, et al. **Mol Cell Biol** 1984 Apr;4(4):771–8

Transformation of Neurospora crassa with the cloned am (glutamate dehydrogenase) gene. Kinsey JA, et al. **Mol Cell Biol** 1984 Jan;4(1):117–22

Transformation by iontophoretic microinjection of DNA: multiple integrations without tandem insertions. Lo CW. **Mol Cell Biol** 1983 Oct;3(10):1803–14

Co-amplification of double minute chromosomes, multiple drug resistance, and cell surface P-glycoprotein in DNA-mediated transformants of mouse cells. Robertson SM, et al. **Mol Cell Biol** 1984 Mar;4(3):500–6

High-frequency cotransformation by copolymerization of plasmids in the fission yeast Schizosaccharomyces pombe. Sakai K, et al. **Mol Cell Biol** 1984 Apr;4(4):651–6

Plasmids containing mouse rDNA do not recombine with cellular ribosomal genes when introduced into cultured mouse cells. Steele RE, et al. **Mol Cell Biol** 1984 Apr; 4(4):576–82

Heavily methylated amplified DNA in transformants of Neurospora crassa. Bull JH, et al. **Nature** 1984 Aug 23–29; 310(5979):701–4

Intermolecular recombination during transformation of Bacillus subtilis competent cells by monomeric and dimeric plasmids. Michel B, et al. **Plasmid** 1983 Jul;10(1):1–10

Transformation of Aspergillus nidulans by using a trpC plasmid. Yelton MM, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1470–4

Light-regulated expression of a pea ribulose-1,5-bisphosphate carboxylase small subunit gene in transformed plant cells. Broglie R, et al. **Science** 1984 May 25;224(4651):838–43

Transformation of temperature-sensitive growth mutant of BHK21 cell line to wild-type phenotype with hamster and mouse DNA. Kai R, et al. **Somatic Cell Genet** 1983 Nov; 9(6):673–80

Transformation of Hprt gene with sperm DNA. Venolia L, et al. **Somatic Cell Genet** 1983 Sep;9(5):617–27

Antigenic and structural studies on the transforming proteins of Rous sarcoma virus and Yamaguchi 73 avian sarcoma virus. Erikson E, et al. **Virology** 1983 Oct 15;130(1):221–6

Transformation in Bacillus subtilis: different affinities for DNA-binding to competent cells and to membrane vesicles. López P, et al. **Zentralbl Mikrobiol** 1983; 138(8):643–54

[Genetic transformation to thermophily in bacilli] Valerianov Ts, et al. **Acta Microbiol Bulg** 1984;14:16–21 (Eng. Abstr.) **(Bul)**

[Introduction of exogenous genes into animal lines: transgenic animals. 2. Genetic transformation in Drosophila] **Biochimie** 1983 Nov-Dec;65(11–12):III–X (16 ref.) **(Fre)**

[RAEB 'in transformation' with complex chromosome patterns shown by improved staining technic] Taniwaki M, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1415–22 (Eng. Abstr.) **(Jpn)**

[Genetic transformation of yeast and application of technics] Murata K, et al. **Tanpakushitsu Kakusan Koso** 1983 Dec; 28(14):1522–39 **(Jpn)**

DRUG EFFECTS

A general method for polyethylene-glycol-induced genetic transformation of bacteria and yeast. Klebe RJ, et al. **Gene** 1983 Nov;25(2–3):333–41

RADIATION EFFECTS

Enhanced transformation of human cells by UV-irradiated pSV2 plasmids. Spivak G, et al. **Mol Cell Biol** 1984 Jun; 4(6):1169–71

[Reactivation of UV-irradiated plasmid-transforming DNA by Saccharomyces cerevisiae yeast cells] Bekker ML, et al. **Dokl Akad Nauk SSSR** 1983;272(3):710–2 **(Rus)**

TRANSIENT SITUATIONAL DISTURBANCE see **ADJUSTMENT DISORDERS**

TRANSIENTS AND MIGRANTS

Marginal malnutrition and reduced physical work capacity of migrant adolescent boys in Southern Brazil. Desai ID, et al. **Am J Clin Nutr** 1984 Jul;40(1):135–45

The size of Mexican-American migrant children [letter] Dunn P, et al. **Am J Clin Nutr** 1984 Feb;39(2):344–5

Susceptibility of itinerants ('travelling people') in Scotland to poliomyelitis. Bell EJ, et al. **Bull WHO** 1983; 61(5):839–43

A psychiatric profile of street people admitted to an emergency shelter. Arce AA, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):812–7

Street people and psychiatry: an introduction. Jones RE. **Hosp Community Psychiatry** 1983 Sep;34(9):807–11

Down and out in the city: the homeless mentally ill. Lipton FR, et al. **Hosp Community Psychiatry** 1983 Sep; 34(9):817–21

Sheltering the homeless in the Nation's Capital. O'Connor J. **Hosp Community Psychiatry** 1983 Sep;34(9):863, 867, 879

The shame of the cities. Talbott JA. **Hosp Community Psychiatry** 1983 Sep;34(9):773

Health status of migrants. Foxman B, et al. **Hum Biol** 1984 Feb;56(1):129–41

Demographic structure of the migrant groups of fishermen of Puri coast, India. Reddy BM. **J Biosoc Sci** 1984 Jul; 16(3):385–98

Persistent tuberculous disease among inmates of common lodging houses. Shanks NJ, et al. **J Epidemiol Community Health** 1984 Mar;38(1):66–7

Cancer in migrants [editorial] Armstrong BK, et al. **Med J Aust** 1984 Jan 7;140(1):3–4

Health care planning in North Carolina: migrant workers program. Fleming MF, et al. **NC Med J** 1984 Jun; 45(6):371–4

The bio-social elements of risk in the invasive cervical cancer incidence among a stationary and migratory woman population. A case-control study. Zemla B. **Neoplasma** 1984;31(1):119–27

Homeless in New York. Gershberg JM. **Pharos** 1983 Fall; 46(4):7–10

Migration, population growth, and development. **Popul Rep** [M] 1983 Sep-Oct;(7):M245–87

Nutritional characteristics and suggestions for improvement of a typical peri-urban agricultural migrant worker's diet in southern Brazil. Desai ID, et al. **World Rev Nutr Diet** 1983;41:76–96 (16 ref.)

[The Duffy blood group in migrants of French-speaking Africa] Simonneau M, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):470–6 (Eng. Abstr.) **(Fre)**

[Study of the modifications of blood pressure and heart rate of migrant workers in Senegal] Cisse F, et al. **Dakar Med** 1983;28(1):241–9 (Eng. Abstr.) **(Fre)**

[Functional disorders of migrant workers from southern countries. Contribution to the problem of psychogenic disability and pensioners' neurosis] Vadasz F. **Schweiz Rundsch Med Prax** 1984 Mar 20;73(12):375–80 (Eng. Abstr.) **(Ger)**

[Analysis of the mortality patterns in an area supplying migratory tunnel workers 1. Regional differences in the mortality patterns] Hisashige A, et al. **Sangyo Igaku** 1983 Jul;25(4):245–61 (Eng. Abstr.) **(Jpn)**

[Migration of cases of malaria in Brazil in 1980] Marques AC, et al. **Rev Bras Malariol Doencas Trop** 1982;34:1–31 (Eng. Abstr.) **(Por)**

[Role of migration processes in shaping the marriage structure of the Moscow population. I. The age, place of birth and nationality of those entering marriage] Kurbatova OL, et al. **Genetika (Moskva)** 1984 Mar;20(3):501–11 (Eng. Abstr.) **(Rus)**

[Migration and tropical diseases] **Bol Of Sanit Panam** 1984 Apr;96(4):353–9 **(Spa)**

PSYCHOLOGY

Attempted suicide and immigration in Perth, Western Australia, 1969–1978. Burvill PW, et al. **Acta Psychiatr Scand** 1983 Aug;68(2):89–99

Analyzing migration decisions: the first step—whose decisions? Sell RR. **Demography** 1983 Aug;20(3):299–311

The emotional separation syndrome among recent Oklahoma migrants: description, explanation, and clinical implications. Stein HF. **J Okla State Med Assoc** 1984 May;77(5):152–7

A new look at the homeless. Porter S. **Ohio State Med J** 1984 Apr;80(4):300–1

[The Islamite and Dutch sexuology] Pomerantz HB. **Ned Tijdschr Geneeskd** 1984 Jun 16;128(24):1145–50 **(Dut)**

TRANSILLUMINATION

Breast cancer detection with transillumination and mammography. Sickles EA. **AJR** 1984 Apr;142(4):841–4

Transillumination for correct tube positioning: use of a new fiberoptic endotracheal tube [letter] Watson CB, et al. **Anesthesiology** 1984 Mar;60(3):253

Clinical experience with the diaphanograph machine. Muirhead A, et al. **Ann R Coll Surg Engl** 1984 Mar; 66(2):123–4

Trial of electronic diaphanography for detecting breast cancer [news] Morgan PP. **Can Med Assoc J** 1983 Oct 1;129(7):686–7

Other imaging techniques. Isard HJ. **Cancer** 1984 Feb 1;53(3 Suppl):658–64

Diagnostic and therapeutic technology assessment. Diaphanography (transillumination of the breast) for cancer screening. **JAMA** 1984 Apr 13;251(14):1902

Diaphanography: transillumination of the breast. Fodor J 3d, et al. **Radiol Technol** 1984 Mar-Apr;55(4):97–100

Diaphanography as a means of detecting breast cancer. Marshall V, et al. **Radiology** 1984 Feb;150(2):339–43

[Correlation of cranial computer tomography, diaphanoscopy and clinico-neurologic findings in childhood exemplified by chronic subdural effusion] Bilz D, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:220–8 **(Ger)**

METHODS

Breast light scanning: a real-time breast-imaging modality. McIntosh DM. **J Can Assoc Radiol** 1983 Dec;34(4):288–90

TRANSISTORS see under **SEMICONDUCTORS**

TRANSKETOLASE

ANTAGONISTS & INHIBITORS

The carboxyl group in the active center of transketolase. Meshalkina LE, et al. **Biochem Int** 1984 Jul;9(1):9–16

BLOOD

Improved determination of transketolase activity in erythrocytes. Takeuchi T, et al. **Clin Chem** 1984 May; 30(5):658–61

Stimulation of erythrocyte transketolase by added thiamin diphosphate is pH dependent. Tate J, et al. **Clin Chim Acta** 1984 Feb 14;137(1):81–6

Trypanosoma lewisi: pyruvate and transketolase activity in normal and thiamine deficient rats. Lee CM, et al. **Int J Biochem** 1984;16(6):699–702

The usefulness of the measurement of red blood cell enzyme activation in the detection of vitamin B1, B2 and B6 deficiency. Baines M. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:69–75

[Transketolase activity and thiamine diphosphate content in oncological patients] Trebukhina RV, et al. **Vopr Med Khim** 1983 Sep-Oct;29(5):100–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Transketolase activities and body weight changes in rats on low protein diets. Ette SI. **Ann Nutr Metab** 1984; 28(4):220–5

Effect of oxythiamine on adrenal thiamine pyrophosphate-dependent enzyme activities. Strumilo SA, et al. **Biomed Biochim Acta** 1984;43(2):159–63

In vitro effect of n-hexane and its metabolites on selected enzymes in glycolysis, pentose phosphate pathway and citric acid cycle. Sabri MI. **Brain Res** 1984 Apr 9; 297(1):145–50

Influence of substrate concentration on the activation of transketolase, aspartate aminotransferase, and glutathione reductase by coenzymes. Hafkenscheid JC, et al. **Clin Chem** 1984 Jan;30(1):143–4

The catalytic mechanism of transketolase. Thiamin pyrophosphate-derived transition states for transketolase and pyruvate dehydrogenase are not identical. Shreve DS, et al. **J Biol Chem** 1983 Oct 25;258(20):12405–8

TRANSLATING

Role conflict among 'culture brokers': the experience of native Canadian medical interpreters. Kaufert JM, et al. **Soc Sci Med** 1984;18(3):283–6

TRANSLATION, GENETIC

Studies on protein biosynthesis at the Institute of Biochemistry and Biophysics, Polish Academy of Sciences, initiated by Professor J. Heller in 1956. Szafrański P, et al. **Acta Biochim Pol** 1984;31(1):9–16

Homocystinuria: biogenesis of cystathionine beta-synthase subunits in cultured fibroblasts and in an in vitro translation system programmed with fibroblast messenger RNA. Skovby F, et al. **Am J Hum Genet** 1984 Mar;36(2):452–9

Muscle protein synthesis: regulation of a translational inhibitor. Buse MG, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E510–5

Characterization of messenger RNA by direct translation from agarose gels. Brandt TL, et al. **Anal Biochem** 1983 Dec;135(2):401–8

Overproduction of proteins in recombinant organisms. Klotz LC. **Ann NY Acad Sci** 1983;413:1–11

Regulation of the synthesis of ribosomes and ribosomal components. Nomura M, et al. **Annu Rev Biochem** 1984; 53:75–117 (264 ref.)

Isolation and characterization of a translation inhibitor from human term placenta. Eller MS, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):526–37

Cell-free translation of mouse liver mRNA coding for two forms of UDP glucuronosyltransferase. Mackenzie PI, et al. **Arch Biochem Biophys** 1984 May 1;230(2):676–80

Cytoplasmic regulation of chloroplast translation in Euglena gracilis. Reardon EM, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):433–40

Isolation and characterization of the rabbit prt gene product. Usher DC, et al. **Arch Biochem Biophys** 1984 May 1; 230(2):631–9

Translation of vaccinia virus and cellular mRNA in cell-free systems prepared from uninfected and vaccinia virus

infected L929 cells. Tas PW. **Arch Virol** 1984; 80(2-3):83-101

In vitro translation of Plasmodium falciparum proteins. Upcroft J, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):125-35

Erroneous synthesis of ribosomal proteins in amino acid starved E. coli. Andrieux E, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):246-53

Identification of an Mr 77,000 - 80,000 product of in vitro translation of rat liver mRNA using antibody to glycogen synthase. Bahnak BR, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):332-9

The transport and processing of carbamyl phosphate synthetase-I in mouse hepatic mitochondria. Bhat NK, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):514-22

Rat lung tissue is a site of alpha 1-proteinase inhibitor synthesis: evidence by cell-free translation. Budek W, et al. **Biochem Biophys Res Commun** 1984 Jul 18; 122(1):394-400

Translational pauses during a spider fibroin synthesis. Candelas G, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1033-8

Synthesis of DNA polymerase by in vitro translation of calf RNA. Detera-Wadleigh S, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):420-7

Cell-free translation of messenger RNA for human bisphosphoglyceromutase. Dubart A, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):441-7

Cell-free translation of human uroporphyrinogen decarboxylase mRNAs. Grandchamp B, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):378-82

High pO2-activated inhibitor of protein synthesis in rabbit reticulocytes: its relationship to glutathione disulfide-induced inhibitor and to a approximately 23,000-Mr sulfhydryl protein. Kanigür G, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):135-40

The rate of initiation of alpha- and beta-globin mRNA translation is modulated by 50 kDa, 28-kDa and 24-kDa polypeptide-containing fractions. Parets Soler A, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):804-11

In vitro translation of distinct mRNAs coding for the precursors of porcine LH subunits. Pascal O, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):254-60

Control of protein synthesis in human reticulocytes by heme-regulated and double-stranded RNA dependent eIF-2 alpha kinases. Petryshyn R, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):891-9

Particulate protein-synthesis factors associated with translatable mRNA in mouse hybridoma cells. Pohlreich P, et al. **Biochem Biophys Res Commun** 1984 Aug 16; 122(3):1314-21

Protein synthesis in rabbit reticulocytes: requirements for Met-tRNAf . 40S preinitiation complex formation with AUG-codon and physiological mRNAs. Roy R, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1418-25

Characterization of a sheep elastin cDNA clone containing translated sequences. Yoon K, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):261-9

Characterization of translation products of the polyadenylated RNA of free and membrane-bound polyribosomes of rat forebrain. Hall C, et al. **Biochem J** 1984 May 1;219(3):751-61

Correlation between the rate of proteolysis of mitochondrial translation products and fluidity of the mitochondrial inner membrane in Saccharomyces cerevisiae yeast. Alteration of the rate of proteolysis under glucose repression. Luzikov VN, et al. **Biochem J** 1983 Sep 15;214(3):785-94

Cell-free translation of messenger RNA for chondroitin sulphate proteoglycan core protein in rat cartilage. Vertel BM, et al. **Biochem J** 1984 Jan 1;217(1):259-63

5'-Conformation of capped alfalfa mosaic virus ribonucleic acid 4 may reflect its independence of the cap structure or of cap-binding protein for efficient translation. Gehrke L, et al. **Biochemistry** 1983 Oct 25;22(22):5157-64

In vitro biosynthesis of plasminogen in a cell-free system directed by mRNA fractions isolated from monkey liver. Gonzalez-Gronow M, et al. **Biochemistry** 1984 Jan 17; 23(2):190-6

Characterization of bovine prothrombin mRNA and its translation product. MacGillivray RT, et al. **Biochemistry** 1984 Apr 10;23(8):1626-34

Translational recognition of messenger ribonucleic acid caps as a function of pH. Rhoads RE, et al. **Biochemistry** 1983 Dec 20;22(26):6084-8

Cell-free biosynthesis of multiple preprosomatostatins: characterization by hybrid selection and amino-terminal sequencing. Warren TG, et al. **Biochemistry** 1984 Jun 5; 23(12):2684-90

Synthesis and maturation of the yeast vacuolar enzymes carboxypeptidase Y and aminopeptidase I. Distel B, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):128-35

Bovine seminal ribonuclease precursor synthesized in vitro. Furia A, et al. **Biochim Biophys Acta** 1983 Dec 22; 741(3):303-7

Acceptor activity, isoacceptor profiles and function in protein synthesis of transfer RNAs from regenerating skeletal muscle. Jones GH. **Biochim Biophys Acta** 1983 Dec 22; 741(3):333-40

Blocking of in vitro translation of Paramecium messenger RNAs is due to messenger RNA primary structure. Meyer E, et al. **Biochimie** 1984 May;66(5):403-12

Post-translational modification of tubulin in cultured neurons. Black MM, et al. **Brain Res** 1983 Dec 19; 289(1-2):355-7

Developmental modulation of protein synthetic patterns by the human malarial parasite Plasmodium falciparum. Allred DR, et al. **Can J Biochem Cell Biol** 1983 Dec; 61(12):1304-14

Analysis of K+ and Na+ transport and intracellular contents during and after heat shock and their role in protein synthesis in rat hepatoma cells. Boonstra J, et al. **Cancer Res** 1984 Mar;44(3):955-60

Changes in gene expression following neoplastic transformation of rat myogenic cells. Hillion J, et al. **Cancer Res** 1984 Jul;44(7):2959-65

Protein synthesis in liver and skeletal muscle of mice bearing an ascites tumor. Pain VM, et al. **Cancer Res** 1984 Mar; 44(3):1054-7

The control of protein synthesis during heat shock in Drosophila cells involves altered polypeptide elongation rates. Ballinger DG, et al. **Cell** 1983 May;33(1):103-13

Localization of the target site for translational regulation of the L11 operon and direct evidence for translational coupling in Escherichia coli. Baughman G, et al. **Cell** 1983 Oct;34(3):979-88

Nuclear-cytoplasmic transport and VAI RNA-independent translation of influenza viral messenger RNAs in late adenovirus-infected cells. Katze MG, et al. **Cell** 1984 Jun; 37(2):483-90

Translation of insulin-related polypeptides from messenger RNAs with tandemly reiterated copies of the ribosome binding site. Kozak M. **Cell** 1983 Oct;34(3):971-8

Translational control during early Dictyostelium development: possible involvement of poly(A) sequences. Palatnik CM, et al. **Cell** 1984 Apr;36(4):1017-25

Translational control of IS10 transposition. Simons RW, et al. **Cell** 1983 Sep;34(2):683-91

Isolation and functional property of mRNAs coding for human interleukin 2. Beck HP, et al. **Cell Biol Int Rep** 1984 Mar;8(3):193-205

Expression of mRNAs microinjected into somatic cells. Celis JE. **Ciba Found Symp** 1984;103:220-38

Molecular events in the synthesis and assembly of a nicotinic acetylcholine receptor. Anderson DJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:125-34

The biosynthesis and processing of proteins in the mouse 7S nerve growth factor complex. Darling TL, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:427-34

Neuron-specific phosphoproteins as models for neuronal gene expression. DeGennaro LJ, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:337-45

Expression of cell-type-specific neuronal phosphoproteins. Lewis RM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:347-54

The regulation of acetylcholine receptor expression in mammalian muscle. Merlie JP, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:135-46

Uteroglobin mRNA from the lung of the hare (Lepus capensis): cell-free translation and properties. López de Haro MS, et al. **Comp Biochem Physiol [B]** 1984; 78(4):885-90

Correlation between protein synthesis rate and nuclear morphology of human erythroblasts as determined by quantitative autoradiography and high-resolution image analysis. Dörmer P, et al. **Cytometry** 1984 Mar;5(2):131-7

Translational regulation and deadenylation of a protamine mRNA during spermiogenesis in the mouse. Kleene KC, et al. **Dev Biol** 1984 Sep;105(1):71-9

Differential mRNA accumulation and translation during Spisula development. Tansey TR, et al. **Dev Biol** 1983 Oct; 99(2):338-51

Translation of capped viral mRNAs in poliovirus-infected HeLa cells. Alonso MA, et al. **EMBO J** 1982;1(8):913-7

Does codon composition influence ribosome function? Andersson SG, et al. **EMBO J** 1984 Jan;3(1):91-4

Expression of malT, the regulator gene of the maltose region in Escherichia coli, is limited both at transcription and translation. Chapon C. **EMBO J** 1982;1(3):369-74

RNA secondary structure and translation inhibition: analysis of mutants in the rplJ leader. Christensen T, et al. **EMBO J** 1984 Jul;3(7):1609-12

The translational map of the Autographa californica nuclear polyhedrosis virus (AcNPV) genome. Esche H, et al. **EMBO J** 1982;1(12):1629-33

Mutagenesis of the three bases preceding the start codon of the beta-galactoxidase mRNA and its effect on translation in Escherichia coli. Hui A, et al. **EMBO J** 1984 Mar; 3(3):623-9

Autogenous control: ribosomal protein L10-L12 complex binds to the leader sequence of its mRNA. Johnsen M, et al. **EMBO J** 1982;1(8):999-1004

Cell-free synthesis of Schistosoma mansoni surface antigens: stage specificity of their expression. Knight M, et al. **EMBO J** 1984 Jan;3(1):213-9

Differential kinetics of changes in the state of phosphorylation of ribosomal protein S6 and in the rate of protein synthesis in MPC 11 cells during tonicity shifts. Kruppa J, et al. **EMBO J** 1984 Jan;3(1):95-100

Translation and assembly of HLA-DR antigens in Xenopus oocytes injected with mRNA from a human B-cell line. Long EO, et al. **EMBO J** 1982;1(5):649-54

Properties of acetylcholine receptors translated by cat muscle mRNA in Xenopus oocytes. Miledi R, et al. **EMBO J** 1982; 1(11):1307-12

Is there proofreading during polypeptide synthesis? Ruusala T, et al. **EMBO J** 1982;1(6):741-5

Expression of cholinesterase gene(s) in human brain tissues: translational evidence for multiple mRNA species. Soreq H, et al. **EMBO J** 1984 Jun;3(6):1371-5

Ovine trophoblast protein 1, an early secreted blastocyst protein, binds specifically to uterine endometrium and affects protein synthesis. Godkin JD, et al. **Endocrinology** 1984 Jan;114(1):120-30

Translational regulation of protein synthesis in eukaryotes. Austin SA, et al. **Essays Biochem** 1982;18:79-120 (190 ref.)

Regulation of ribosome synthesis in Tetrahymena pyriformis. 3. Analysis by translation in vitro of RNA isolated during nutritional shift-down and nutritional shift-up. Andreasen PH, et al. **Eur J Biochem** 1984 May 2;140(3):485-92

Resolution of the discrepancy between a gene translation--termination codon and the deduced sequence for release of the encoded polypeptide. Atkins JF, et al. **Eur J Biochem** 1983 Dec 15;137(3):509-16

Formation of a 22S mRNA X rRNA X protein complex during translation of globin messenger RNA. Thomas NS, et al. **Eur J Biochem** 1984 Aug 15;143(1):27-33

An absolute requirement for the 5' cap structure for mRNA translation in sea urchin eggs. Winkler MM, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):227-32

The translation of the messenger for the poly(A)-binding protein-associated with translated mRNA is suppressed. A case of cytoplasmic repression in duck erythroblasts. Akhayat O, et al. **FEBS Lett** 1983 Oct 3;162(1):25-32

Translation and processing of normal (PiMM) and abnormal (PiZZ) human alpha 1-antitrypsin. Bathurst IC, et al. **FEBS Lett** 1983 Mar 21;153(2):270-4

Biosynthesis of rabbit haptoglobin: chemical evidence for a single chain precursor. Chow V, et al. **FEBS Lett** 1983 Mar 21;153(2):275-9

Regulation of protein synthesis in lymphoblastoid cells during inhibition of cell proliferation by human interferons. Clemens MJ, et al. **FEBS Lett** 1984 Jun 4;171(1):111-6

Coupling between phosphatidylinositol metabolism and cdc 28 gene product of Saccharomyces cerevisiae. On the possible mechanism of cdc 28 gene action. Dudani AK, et al. **FEBS Lett** 1984 Feb 13;167(1):151-4

The accuracy of poly(U) translation by different eukaryotic tRNAs. El'skaya AV, et al. **FEBS Lett** 1983 Nov 28; 164(1):93-6

Requirement of protein synthesis for the coupling of histone mRNA levels and DNA replication. Helms S, et al. **FEBS Lett** 1984 Mar 12;168(1):65-9

Heterogeneity of alpha 2u-globulin gene products in different translational systems, plasma and urine. Mertens B, et al. **FEBS Lett** 1983 Oct 17;162(2):296-9

Calcitonin mRNA activity in young obese (fa/fa) Zucker rats. Segond N, et al. **FEBS Lett** 1984 Aug 20;174(1):86-9

Formation of the ternary complex EF-Tu.GTP.Phe-tRNA in the translation system of Streptomyces aureofaciens. Weiser J, et al. **Folia Microbiol (Praha)** 1984;29(3):269-72

Escherichia coli plasmid vectors for high-level regulated expression of the bacteriophage lambda xis gene product. Abremski K, et al. **Gene** 1983 Nov;25(1):49-58

The 19-kDal protein encoded by early region 1b of adenovirus type 12 is synthesized efficiently in Escherichia coli only as a fused protein. Fukui Y, et al. **Gene** 1983 Jul;23(1):1-13

High-level expression in Escherichia coli of the carboxy-terminal sequences of the avian myelocytomatosis virus (MC29) v-myc protein. Lautenberger JA, et al. **Gene** 1983 Jul;23(1):75-84

Effects of alterations in the translation control region on bacterial gene expression: use of cat gene constructs transcribed from the lac promoter as a model system. Schottel JL, et al. **Gene** 1984 May;28(2):177-93

Expression of poliovirus capsid polypeptide VP1 in Escherichia coli. van der Werf S, et al. **Gene** 1983 Jul; 23(1):85-93

Evidence that Ly-5 product of T and B cells differ in protein structure. Tung JS, et al. **Immunogenetics** 1984;19(2):149-54

Cloning and expression of Treponema pallidum (Nichols) antigen genes in Escherichia coli. Norgard MV, et al. **Infect Immun** 1983 Nov;42(2):435-45

Elastin gene expression. Foster JA, et al. **Int Rev Connect Tissue Res** 1983;10:65-95 (53 ref.)

Translational coupling of the trpB and trpA genes in the Escherichia coli tryptophan operon. Aksoy S, et al. **J Bacteriol** 1984 Feb;157(2):363-7

In vitro coupled transcription-translation of linear DNA fragments in a lysate derived from a recB rna pnp strain of Escherichia coli. Bassett CL, et al. **J Bacteriol** 1983 Dec; 156(3):1359-62

Complete nucleotide sequence and start sites for transcription and translation of the Bacillus megaterium protein C gene. Fliss ER, et al. **J Bacteriol** 1984 Jun;158(3):809-13

Genetic screen for cloned release factor genes. Weiss RB, et al. **J Bacteriol** 1984 Apr;158(1):362-4

Protein synthesis is required for in vivo activation of polysialic acid capsule synthesis in Escherichia coli K1. Whitfield C, et al. **J Bacteriol** 1984 Jul;159(1):321-8

Expression of GC clusters in the yeast mitochondrial var 1 gene. Translation and secondary structure implications. Ainley WM, et al. **J Biol Chem** 1984 Jul 10;259(13):8422-8

Biosynthesis of salivary proteins in the parotid gland of the subhuman primate, Macaca fascicularis. Cell-free

translation of the mRNA for a proline-rich glycoprotein and partial amino acid sequence and processing of its signal peptide. Belford HS, et al. **J Biol Chem** 1984 Mar 25; 259(6):3977–84

Biosynthesis of apolipoprotein C–III in rat liver and small intestinal mucosa. Blaufuss MC, et al. **J Biol Chem** 1984 Feb 25;259(4):2452–6

Identification of a Ca2+ requirement for protein synthesis in eukaryotic cells. Brostrom CO, et al. **J Biol Chem** 1983 Dec 10;258(23):14390–9

Failure of translational repression in the phage f2 op3 mutant is not due to an altered coat protein–RNA interaction. Carey J, et al. **J Biol Chem** 1984 Jan 10;259(1):20–2

Identification of tissue kallikrein in brain and in the cell–free translation product encoded by brain mRNA. Chao J, et al. **J Biol Chem** 1983 Dec 25;258(24):15173–8

Import of rat liver mitochondrial malate dehydrogenase. Synthesis, transport, and processing in vitro of its precursor. Chien SM, et al. **J Biol Chem** 1984 Mar 10; 259(5):3337–42

Studies on the biosynthesis of rabbit haptoglobin. Chow V, et al. **J Biol Chem** 1984 May 25;259(10):6622–9

The mRNAs for the pro–alpha 1(I) and pro–alpha 2(I) chains of type I procollagen are translated at the same rate in normal human fibroblasts and in fibroblasts from two variants of osteogenesis imperfecta with altered steady state ratios of the two mRNAs. de Wet WJ, et al. **J Biol Chem** 1983 Dec 10;258(23):14385–9

Characterization of a protein synthesis system from rat liver. Translation of endogenous and exogenous messenger RNA. Eisenstein RS, et al. **J Biol Chem** 1984 Aug 10; 259(15):9922–8

Initial velocity kinetic analysis of 30 S initiation complex formation in an in vitro translation system derived from Escherichia coli. Ellis S, et al. **J Biol Chem** 1984 Jun 25; 259(12):7607–14

Cell–free processing and segregation of insulin precursors. Eskridge EM, et al. **J Biol Chem** 1983 Oct 10; 258(19):11487–91

Biogenesis of the mitochondrial enzyme methylmalonyl–CoA mutase. Synthesis and processing of a precursor in a cell–free system and in cultured cells. Fenton WA, et al. **J Biol Chem** 1984 May 25;259(10):6616–21

In vitro biosynthesis and membrane insertion of gamma–glutamyl transpeptidase. Finidori J, et al. **J Biol Chem** 1984 Apr 25;259(8):4687–90

Biosynthesis of human preproapolipoprotein A–II. Gordon JI, et al. **J Biol Chem** 1983 Nov 25;258(22):14054–9

Cell–free translation of adenovirus 2 E1a– and E1b–specific mRNAs and evidence that E1a–related polypeptides are produced from E1a–E1b overlapping mRNA. Hashimoto S, et al. **J Biol Chem** 1984 Jun 10;259(11):7016–23

Xenopus fibrinogen synthesis and secretion. Analysis of precursor polypeptides and their post–translational modification. Holland LJ, et al. **J Biol Chem** 1984 Mar 25;259(6):3757–62

Nick translation of HeLa cell nuclei as a probe for locating DNase I–sensitive nucleosomes. Javaherian K, et al. **J Biol Chem** 1984 Mar 10;259(5):3343–9

Synthesis of surface immunoglobulin E receptor in Xenopus oocytes by translation of mRNA from rat basophilic leukemia cells. Liu FT, et al. **J Biol Chem** 1984 Sep 10; 259(17):10649–52

Translational control of the circadian rhythm of liver sterol carrier protein. McGuire DM, et al. **J Biol Chem** 1984 May 10;259(9):5368–71

Mitochondrial gene expression in saccharomyces cerevisiae. II. Fidelity of translation in isolated mitochondria from wild type and respiratory–deficient mutant cells. McKee EE, et al. **J Biol Chem** 1984 Jul 25;259(14):9332–8

Plastid translation in organello and in vitro during light–induced development in Euglena. Miller ME, et al. **J Biol Chem** 1983 Dec 10;258(23):14478–84

Biosynthesis and intracellular transport of enzymes of peroxisomal beta–oxidation. Miura S, et al. **J Biol Chem** 1984 May 25;259(10):6397–402

In vitro translation and processing of rat kidney gamma–glutamyl transpeptidase. Nash B, et al. **J Biol Chem** 1984 Jan 10;259(1):678–85

Expression of acetylcholine receptor alpha–subunit mRNA during differentiation of the BC3H1 muscle cell line. Olson EN, et al. **J Biol Chem** 1984 Mar 10;259(5):3330–6

Distinct primary translation products from human liver mRNA give rise to secreted and cell–associated forms of complement protein C2. Perlmutter DH, et al. **J Biol Chem** 1984 Aug 25;259(16):10380–5

Evidence that translational control mechanisms operate to optimize antifreeze protein production in the winter flounder. Pickett MH, et al. **J Biol Chem** 1983 Dec 25; 258(24):14762–5

Mistranslation of the mRNA encoding bacteriophage T7 0.3 protein. Rice JB, et al. **J Biol Chem** 1984 May 25; 259(10):6505–10

Two abnormal thyroglobulin–like polypeptides are produced from Afrikander cattle congenital goiter mRNA. Tassi VP, et al. **J Biol Chem** 1984 Aug 25;259(16):10507–10

A uniquely conserved regulatory signal is found around the translation initiation site in three different collagen genes. Yamada Y, et al. **J Biol Chem** 1983 Dec 25;258(24):14914–9

The conserved 5 S rRNA complement to tRNA is not required for translation of natural mRNA. Zagorska L, et al. **J Biol Chem** 1984 Mar 10;259(5):2798–802

Synthesis, intracellular processing, and signal peptide of human apolipoprotein E. Zannis VI, et al. **J Biol Chem** 1984 May 10;259(9):5495–9

Co–translational excision of alpha–glucose and alpha–mannose in nascent vesicular stomatitis virus G protein. Atkinson PH, et al. **J Cell Biol** 1984 Jun; 98(6):2245–9

Biosynthesis and processing of ribophorins in the endoplasmic reticulum. Rosenfeld MG, et al. **J Cell Biol** 1984 Sep; 99(3):1076–82

Chloroplast ribosomal proteins of Chlamydomonas synthesized in the cytoplasm are made as precursors. Schmidt RJ, et al. **J Cell Biol** 1984 Jun;98(6):2011–8

Cell–free translation of messenger RNA extracted from a human insulinoma. Permutt MA, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):897–901

The genetic control of protein synthesis: The haemoglobin model. Weatherall DJ. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):1–11 (41 ref.)

Role of the esc+ gene product in ensuring the selective expression of segment–specific homeotic genes in Drosophila. Struhl G. **J Embryol Exp Morphol** 1983 Aug; 76:297–331

Cytotoxic T lymphocyte recognition of the influenza hemagglutinin gene product expressed by DNA–mediated gene transfer. Braciale TJ, et al. **J Exp Med** 1984 Feb 1; 159(2):341–54

Murine tissue amyloid protein AA. NH2–terminal sequence identity with only one of two serum amyloid protein (ApoSAA) gene products. Hoffman JS, et al. **J Exp Med** 1984 Feb 1;159(2):641–6

Recombination within the HLA–D region. Correlation of molecular genotyping with functional data. Robinson MA, et al. **J Exp Med** 1984 Jul 1;160(1):222–38

MHC Class III products: an electron microscopic study of the C3 convertases of human complement. Smith CA, et al. **J Exp Med** 1984 Jan 1;159(1):324–9

Isolation of polysomes from Nostoc sp. MAC and translation of messenger RNA in a heterologous cell–free system. Gupta M, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2359–66

Ultrastructural and biochemical evidence that the L929 cell retrovirus lacks the env gene translation product. Radaelli A, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):295–307

The junctions between the repetitive and the short unique sequences of the herpes simplex virus genome are determined by the polypeptide–coding regions of two spliced immediate–early mRNAs. Whitton JL, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):451–66

Biosynthesis, glycosylation, and in vitro translation of the human T cell antigen Leu–4. Bergman Y, et al. **J Immunol** 1983 Oct;131(4):1876–81

Regulation of immune responses by I–J gene products. IV. Distinct suppressor factors derived from 'nonsuppressor' A strain mice. Lei HY, et al. **J Immunol** 1984 Oct; 133(4):1723–9

Two–dimensional gel comparisons of murine H–2D region–associated antigens of different H–2 haplotypes. Nichols EA, et al. **J Immunol** 1983 Nov;131(5):2440–4

Cellfree translation of the lymphokine soluble immune response suppressor (SIRS) and characterization of its mRNA. Nowowiejski–Wieder I, et al. **J Immunol** 1984 Feb; 132(2):556–8

Variant class II molecules from H–2 haplotypes in wild mouse populations: functional characteristics of closely related class II gene products. Peck AB, et al. **J Immunol** 1983 Nov;131(5):2432–9

Molecular regulation of MHC class III (C4 and factor B) gene expression in mouse peritoneal macrophages. Sackstein R, et al. **J Immunol** 1984 Sep;133(3):1618–26

Biosynthesis and postsynthetic processing of human C–reactive protein. Tucci A, et al. **J Immunol** 1983 Nov; 131(5):2416–9

Regulation of immune responses by I–J gene products. V. Heterogeneity of I–J gene products as detected by anti–I–J monoclonal antibodies. Waltenbaugh C, et al. **J Immunol** 1984 Oct;133(4):1730–4

The role of T3 surface molecules in the activation of human T cells: a two–stimulus requirement for IL 2 production reflects events occurring at a pre–translational level. Weiss A, et al. **J Immunol** 1984 Jul;133(1):123–8

Induction of interleukin 1 messenger RNA and translation in oocytes. Windle JJ, et al. **J Immunol** 1984 Mar; 132(3):1317–22

Three closely linked latent rabbit IgG allotype gene products: a1, d12, e14. Wolf B, et al. **J Immunol** 1983 Oct; 131(4):1860–4

Regulation of IgM and IgD synthesis in B lymphocytes. II. Translational and post–translational events. Yuan D. **J Immunol** 1984 Mar;132(3):1566–70

Processing of rat liver apoprotein E primary translation product. Reardon CA, et al. **J Lipid Res** 1984 Apr; 25(4):348–60

Partition of unit–copy miniplasmids to daughter cells. II. The partition region of miniplasmid P1 encodes an essential protein and a centromere–like site at which it acts. Austin S, et al. **J Mol Biol** 1983 Sep 15;169(2):373–87

An effect of codon context on the mistranslation of UGU codons in vitro. Carrier MJ, et al. **J Mol Biol** 1984 May 5;175(1):29–38

Identification of the Escherichia coli cya gene product as authentic adenylate cyclase. Danchin A, et al. **J Mol Biol** 1984 May 25;175(3):403–8

Specificity of translational regulation by two DNA–binding proteins. Fulford W, et al. **J Mol Biol** 1984 Feb 25; 173(2):211–26

Complete nucleotide sequence of the structural gene for colicin A, a gene translated at non–uniform rate. Morlon J, et al. **J Mol Biol** 1983 Oct 25;170(2):271–85

A nuclear mutation that post–transcriptionally blocks accumulation of a yeast mitochondrial gene product can be suppressed by a mitochondrial gene rearrangement. Müller PP, et al. **J Mol Biol** 1984 Jun 5;175(4):431–52

Interspersed poly(A) RNAs of amphibian oocytes are not translatable. Richter JD, et al. **J Mol Biol** 1984 Feb 25; 173(2):227–41

Analysis of the trfA region of broad host–range plasmid RK2 by transposon mutagenesis and identification of polypeptide products. Shingler V, et al. **J Mol Biol** 1984 May 25; 175(3):229–49

Mutationally altered 3' ends of yeast CYC1 mRNA affect transcript stability and translational efficiency. Zaret KS, et al. **J Mol Biol** 1984 Jul 25;177(1):107–35

Peptide chain initiation and analysis of in vitro translation products in rat heart undergoing hypertrophic growth. Mezzetti G, et al. **J Mol Cell Cardiol** 1983 Sep;15(9):629–35

Incorporation of 3H–amino acids into proteins in a partially purified fraction of axoplasm: evidence for transfer RNA–mediated, post–translational protein modification in squid giant axons. Ingoglia NA, et al. **J Neurosci** 1983 Dec; 3(12):2463–73

Isolation of poly A(+) RNA from Schistosoma mansoni and immunoprecipitation of its in vitro translation products. Bugra K, et al. **J Parasitol** 1983 Jun;69(3):486–90

Expression of defective–interfering influenza virus–specific transcripts and polypeptides in infected cells. Akkina RK, et al. **J Virol** 1984 Aug;51(2):395–403

In vitro translation of poliovirus RNA: utilization of internal initiation sites in reticulocyte lysate. Dorner AJ, et al. **J Virol** 1984 May;50(2):507–14

Demonstration in vitro that eucaryotic initiation factor 3 is active but that a cap–binding protein complex is inactive in poliovirus–infected HeLa cells. Etchison D, et al. **J Virol** 1984 Sep;51(3):832–7

Early and late functions in a bipartite RNA virus: evidence for translational control by competition between viral mRNAs. Friesen PD, et al. **J Virol** 1984 Jan;49(1):116–24

Transcriptional and translational analysis of a strongly expressed early region of the vaccinia virus genome. Golini F, et al. **J Virol** 1984 Feb;49(2):459–70

Evidence for translational regulation of herpes simplex virus type 1 gD expression. Johnson DC, et al. **J Virol** 1984 Aug;51(2):389–94

mRNA discrimination in extracts from uninfected and reovirus–infected L–cells. Lemieux R, et al. **J Virol** 1984 Jul;51(1):215–22

Rubella virus 40S genome RNA specifies a 24S subgenomic mRNA that codes for a precursor to structural proteins. Oker–Blom C, et al. **J Virol** 1984 Feb;49(2):403–8

Proteins encoded by the long terminal repeat region of mouse mammary tumor virus: identification by hybrid–selected translation. Racevskis J, et al. **J Virol** 1984 Sep;51(3):604–10

Translation of adenovirus 2 late mRNAs microinjected into cultured African green monkey kidney cells. Richardson WD, et al. **J Virol** 1984 Aug;51(2):559–62

Translation efficiency of adenovirus early region 1A mRNAs deleted in the 5' untranslated region. Spindler KR, et al. **J Virol** 1984 Sep;51(3):884–8

T4–induced antipolarity: temporal heterogeneity in response of early transcription units. Thermes C, et al. **J Virol** 1984 Apr;50(1):191–201

Mistranslation in bacteriophage–infected anucleate minicells of Escherichia coli: a test for error propagation. Libby RT. **Mech Ageing Dev** 1984 Jul;26(1):23–35

Function and fidelity of aging tRNA: in vivo acylation, analog discrimination, synthetase binding, and in vitro translation. Mays–Hoopes LL, et al. **Mech Ageing Dev** 1983 Jun;22(2):135–49

Codon recognition fidelity of ribosomes at the first and second positions does not decrease during aging. Mori N, et al. **Mech Ageing Dev** 1983 May;22(1):1–10

General theory of cell regulation. Bíró J. **Med Hypotheses** 1983 Nov;12(3):203–26

Immunoprecipitation of proteins from cell–free translations. Anderson DJ, et al. **Methods Enzymol** 1983;96:111–20

Biosynthesis of acetylcholine receptor in vitro. Anderson DJ, et al. **Methods Enzymol** 1983;96:367–78

Biosynthesis of Sindbis virus membrane glycoproteins in vitro. Bonatti S. **Methods Enzymol** 1983;96:512–9

Biosynthesis of myelin–specific proteins. Colman DR, et al. **Methods Enzymol** 1983;96:378–85

Cell–free translation of messenger RNA in a wheat germ system. Erickson AH, et al. **Methods Enzymol** 1983; 96:38–50

Biosynthesis and intracellular transport of acetylcholine receptors. Fambrough DM. **Methods Enzymol** 1983; 96:331–52

Preparation of rough microsomes and membrane–bound polysomes that are active in protein synthesis in vitro. Gaetani S, et al. **Methods Enzymol** 1983;96:3–24

Glycophorin A: in vitro biogenesis and processing. Gahmberg CG, et al. **Methods Enzymol** 1983;96:281–98

Assessing import of proteins into mitochondria: an overview. Gasser SM, et al. **Methods Enzymol** 1983;97:245–54

Applications of amino acid analogs for studying co- and posttranslational modifications of proteins. Hortin G, et al. **Methods Enzymol** 1983;96:777–84

Preparation and use of nuclease-treated rabbit reticulocyte lysates for the translation of eukaryotic messenger RNA. Jackson RJ, et al. **Methods Enzymol** 1983;96:50–74

Analysis of cotranslational proteolytic processing of nascent chains using two-dimensional gel electrophoresis. Josefsson LG, et al. **Methods Enzymol** 1983;97:77–85

Biosynthesis of glyoxysomal proteins. Kindl H, et al. **Methods Enzymol** 1983;96:700–15

Biosynthesis of hepatocyte endoplasmic reticulum proteins. Kreibich G, et al. **Methods Enzymol** 1983;96:530–42

Use of the heavy-isotope density-shift method to investigate insulin receptor synthesis, turnover, and processing. Krupp MN, et al. **Methods Enzymol** 1983;96:423–33

Use of proteases for the study of membrane insertion. Morimoto T, et al. **Methods Enzymol** 1983;96:121–50

Biosynthesis of cytochrome c and its posttranslational transfer into mitochondria. Morimoto T, et al. **Methods Enzymol** 1983;97:408–26, 621–3

Identifying primary translation products: use of N-formylmethionyl-tRNA and prevention of NH2-terminal acetylation. Palmiter RD. **Methods Enzymol** 1983;96:150–7

Biosynthesis of lysosomal enzymes. Rosenfeld MG, et al. **Methods Enzymol** 1983;96:764–77

Acetylcholinesterase biosynthesis and transport in tissue culture. Rotundo RL. **Methods Enzymol** 1983;96:353–67

Methods for the study of protein translocation across the RER membrane using the reticulocyte lysate translation system and canine pancreatic microsomal membranes. Scheele G. **Methods Enzymol** 1983;96:94–111

Synthesis and intracellular transport of mitochondrial matrix proteins in rat liver: studies in vivo and in vitro. Shore GC, et al. **Methods Enzymol** 1983;97:396–408

Preparation of microsomal membranes for cotranslational protein translocation. Walter P, et al. **Methods Enzymol** 1983;96:84–93

Signal recognition particle: a ribonucleoprotein required for cotranslational translocation of proteins, isolation and properties. Walter P, et al. **Methods Enzymol** 1983; 96:682–91

Biosynthesis and assembly of nuclear-coded mitochondrial membrane proteins in Neurospora crassa. Zimmermann R, et al. **Methods Enzymol** 1983;97:275–86

Ram ribosomes are defective proofreaders. Andersson DI, et al. **MGG** 1983;191(3):378–81

Requirement of protein synthesis for the induction of ribonucleoside diphosphate reductase mRNA in Escherichia coli. Hanke PD, et al. **MGG** 1984;193(2):327–31

Codon specificity of starvation induced misreading. Johnston TC, et al. **MGG** 1984;195(3):459–65

Promotion, termination, and anti-termination in the rpsU-dnaG-rpoD macromolecular synthesis operon of E. coli K-12. Lupski JR, et al. **MGG** 1984;195(3):391–401

Characterisation and translation studies of messenger RNA from the human malaria parasite Plasmodium falciparum and construction of a cDNA library. Hyde JE, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):269–85

Immunoprecipitation of surface antigen precursors from Schistosoma mansoni messenger RNA in vitro translation products. Taylor DW, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):305–18

Translation in a cell-free system of mRNA from term placenta extracted by guanidine hydrochloride. Actis LA, et al. **Mol Biol Rep** 1983 Aug;9(3):203–8

The effects of lectin transformation on cytoplasmic polyadenylated RNA from human lymphocytes. McCairns E, et al. **Mol Cell Biochem** 1983;56(2):165–75

Inhibitors of cytoplasmic protein synthesis purified from rat liver mitochondria. Pérez JL, et al. **Mol Cell Biochem** 1984 Jun;62(2):121–32

The number of ribosomes on simian virus 40 late 16S mRNA is determined in part by the nucleotide sequence of its leader. Barkan A, et al. **Mol Cell Biol** 1984 Apr;4(4):813–6

Adenovirus VA RNAI: a positive regulator of mRNA translation. Svensson C, et al. **Mol Cell Biol** 1984 Apr; 4(4):736–42

Identity of angiotensinogen precursors of rat brain and liver. Campbell DJ, et al. **Nature** 1984 Mar 8–14;308(5955):206–8

Enzymes and toxins that regulate protein synthesis [news] Clemens M. **Nature** 1984 Aug 30–Sep 5;310(5980):727

Expression of functional GABA, glycine and glutamate receptors in Xenopus oocytes injected with rat brain mRNA. Houamed KM, et al. **Nature** 1984 Jul 26–Aug 1; 310(5975):318–21

Point mutations close to the AUG initiator codon affect the efficiency of translation of rat preproinsulin in vivo. Kozak M. **Nature** 1984 Mar 15–21;308(5956):241–6

Reversible inhibition of translation by Xenopus oocyte-specific proteins. Richter JD, et al. **Nature** 1984 May 24–30;309(5966):378–40

The complete nucleotide sequence of the RNA coding for the primary translation product of foot and mouth disease virus. Carroll AR, et al. **Nucleic Acids Res** 1984 Mar 12; 12(5):2461–72

Possible involvement of poly(A) in protein synthesis. Jacobson A, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6353–68

Translational strategy of Solanum nodiflorum mottle virus RNA: synthesis of a coat protein precursor in vitro and in vivo. Kiberstis PA, et al. **Nucleic Acids Res** 1984 Jan 25;12(2):933–43

Compilation and analysis of sequences upstream from the translational start site in eukaryotic mRNAs. Kozak M. **Nucleic Acids Res** 1984 Jan 25;12(2):857–72

The 11S rat seminal vesicle mRNA directs the in vitro synthesis of two precursors of the major secretory protein IV. Metafora S, et al. **Nucleic Acids Res** 1984 Feb 24; 12(4):1901–10

Microcomputer programs for back translation of protein to DNA sequences and analysis of ambiguous DNA sequences. Mount DW, et al. **Nucleic Acids Res** 1984 Jan 11;12(1 Pt 2):819–23

Evolutionary conservation in the untranslated regions of actin mRNAs: DNA sequence of a human beta-actin cDNA. Ponte P, et al. **Nucleic Acids Res** 1984 Feb 10; 12(3):1687–96

Isolation and translation of mRNA coding for the variant surface antigens of Paramecium. Sommerville J. **Nucleic Acids Res** 1983 Nov 11;11(21):7375–85

Statistical evaluation of the coding capacity of complementary DNA strands. Tramontano A, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):5049–59

The bacteriophage T4 regA gene: primary sequence of a translational repressor. Trojanowska M, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):5979–93

Model approach of the breakthrough of a translation machine and the origin of the genetic code. Lehmann U, et al. **Orig Life** 1984;14(1–4):497–504

Aminoacyl-nucleotide reactions: studies related to the origin of the genetic code and protein synthesis. Mullins DW Jr, et al. **Orig Life** 1984;14(1–4):597–604

Strategies for studying opioid peptide regulation at the gene, message and protein levels. Dores RM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:9–17

Mechanisms of integration of de novo-synthesized polypeptides into membranes: signal-recognition particle is required for integration into microsomal membranes of calcium ATPase and of lens MP26 but not of cytochrome b5. Anderson DJ, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7249–53

Altered mRNA splicing in monkey cells abortively infected with human adenovirus may be responsible for inefficient synthesis of the virion fiber polypeptide. Anderson KP, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4023–7

Developmental control of the heat shock response in Xenopus. Bienz M. **Proc Natl Acad Sci USA** 1984 May; 81(10):3138–42

Protein synthesis in rabbit reticulocytes: a study of the mechanism of action of the protein factor RF that reverses protein synthesis inhibition in heme-deficient reticulocyte lysates. Grace M, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5379–83

Isolation of HLA locus-specific DNA probes from the 3'-untranslated region. Koller BH, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5175–8

Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection. Logan J, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3655–9

Biosynthesis of renin: multiplicity of active and intermediate forms. Pratt RE, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6809–13

Assembly in vitro of a spanning membrane protein of the endoplasmic reticulum: the E1 glycoprotein of coronavirus mouse hepatitis virus A59. Rottier P, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1421–5

Activation of the c-myc gene by translocation: a model for translational control. Saito H, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7476–80

Signal recognition particle is required for co-translational insertion of cytochrome P-450 into microsomal membranes. Sakaguchi M, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3361–4

Role of mRNA translational efficiency in bovine growth hormone expression in Escherichia coli. Schoner BE, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5403–7

Mechanism of translational control by partial phosphorylation of the alpha subunit of eukaryotic initiation factor 2. Siekierka J, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):352–6

5' untranslated sequences are required for the translational control of a yeast regulatory gene. Thireos G, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5096–100

Formation of termination-resistant transcription complex at phage lambda nut locus: effects of altered translation and a ribosomal mutation. Warren F, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3612–6

Mutational analysis of a regulatory region in bacteriophage lambda that has overlapping signals for the initiation of transcription and translation. Wulff DL, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):555–9

In vitro biosynthesis of the subunits of acetylcholine receptor. Anderson DJ, et al. **Prog Brain Res** 1983;58:95–106

Biosynthesis of acetylcholinesterase in rat brain and Torpedo electric organ is directed by scarce mRNA species. Soreq H, et al. **Prog Brain Res** 1983;58:107–15

Polyribosomes associated with dendritic spines in the denervated dentate gyrus: evidence for local regulation of protein synthesis during reinnervation. Steward O, et al. **Prog Brain Res** 1983;58:131–6

Regulation of collagen synthesis. Bornstein P, et al. **Prog Clin Biol Res** 1984;154:61–80 (68 ref.)

The synthesis of type I collagen fibers and potential inhibitors of the process. Prockop DJ. **Prog Clin Biol Res** 1984; 154:81–8 (20 ref.)

Ribosome evolution: the structural bases of protein synthesis in archaebacteria, eubacteria, and eukaryotes. Lake JA. **Prog Nucleic Acid Res Mol Biol** 1983;30:163–94 (93 ref.)

Synthesis, processing, and gene structure of vasopressin and oxytocin. Richter D. **Prog Nucleic Acid Res Mol Biol** 1983; 30:245–66 (41 ref.)

New ways to 'mutate' genes [news] Marx JL. **Science** 1984 Aug 24;225(4664):819

Altered expression of MHC products on AKR lymphoma cells. Oudshoorn-Snoek M, et al. **Transplant Proc** 1983 Dec;15(4):2104–6

Translation in vitro of hepatitis A virus RNA. Gauss-Müller V, et al. **Virology** 1984 Aug;137(1):182–4

The effect of poliovirus infection on the translation in vitro of VSV messenger ribonucleoprotein particles. Jones CL, et al. **Virology** 1983 Sep;129(2):415–30

Isolation of a new feline sarcoma virus (HZ1-FeSV): biochemical and immunological characterization of its translation product. Snyder HW Jr, et al. **Virology** 1984 Jan 15;132(1):205–10

Differences between translation products of tick-borne encephalitis virus RNA in cell-free systems from Krebs-2 cells and rabbit reticulocytes: involvement of membranes in the processing of nascent precursors of flavivirus structural proteins. Svitkin YV, et al. **Virology** 1984 Jun; 135(2):536–41

Translational order of bovine leukemia virus gag and env gene-coded proteins. Uckert W, et al. **Virology** 1984 May; 135(1):288–92

Vaccinia rescue of VSV from interferon-induced resistance: reversal of translation block and inhibition of protein kinase activity. Whitaker-Dowling P, et al. **Virology** 1983 Nov; 131(1):128–36

[Purification of Japanese encephalitis virus infectious RNA from infected mouse brain and its translation in a cell-free system] Zhou ZQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Aug; 5(4):267–8 (Eng. Abstr.) **(Chi)**

[Effect of somatomedin A and its serum cofactor on human fibroblasts in culture. Relation between mitogenic activity and effects on the biosynthesis of collagen and other proteins] Maquart FX, et al. **C R Seances Acad Sci [III]** 1983;297(4):175–80 (Eng. Abstr.) **(Fre)**

[Isolation of the RNA-poly A+ fraction from mitochondria of Drosophila melanogaster embryos. Incorporation of methionine-35S into newly-synthesized proteins in whole and lysed mitochondria] Berthier F, et al. **C R Soc Biol (Paris)** 1984;178(1):64–76 (Eng. Abstr.) **(Fre)**

[Ability of translation factors from infected encephalomyocarditis viruses of ascites carcinoma cells to maintain the protein-synthetizing activity of cellular polyribosomes] Kalinina NO, et al. **Biokhimiia** 1984 Apr; 49(4):629–32 (Eng. Abstr.) **(Rus)**

[Isolation and in vitro translation of polysomes and the RNA matrix from gibberellic acid-treated etiolated dwarf pea shoots] Kilev SN, et al. **Biokhimiia** 1983 Aug;48(8):1374–83 (Eng. Abstr.) **(Rus)**

[Kinetic characteristics of the translation of rat liver mitochondria incubated under various conditions] Rabinovich IaM. **Biokhimiia** 1983 Dec;48(12):1977–83 (Eng. Abstr.) **(Rus)**

[Role of the structure of the internal mitochondrial membrane in regulating the proteolysis of mitochondrial translation products] Luzikov VN, et al. **Dokl Akad Nauk SSSR** 1984; 274(2):452–5 **(Rus)**

[Structural studies of translating ribosomes. II. Comparative sedimentation analysis of pre- and post-translocation states] Baranov VI, et al. **Mol Biol (Mosk)** 1984 Mar–Apr; 18(2):350–7 (Eng. Abstr.) **(Rus)**

[Superspecificity of aminoacyl-tRNA-synthases] Favorova OO. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):205–26 (88 ref.) (Eng. Abstr.) **(Rus)**

[Ambiguous polyuridylic acid translation by transport RNA from various eukaryotic substances] Soldatkin AP, et al. **Ukr Biokhim Zh** 1983 Nov–Dec;55(6):603–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Antiviral effects of hygromycin B, a translation inhibitor nonpermeant to uninfected cells. Lacal JC, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):273–5

Inhibition of aminoacyl-tRNA synthetases by p-chloroamphetamine and its role in protein synthesis inhibition. Nowak TS Jr, et al. **Arch Biochem Biophys** 1983 Sep;225(2):722–30

Glucocorticoids inhibit the coordinated translation of alpha- and beta-globin mRNAs in Friend erythroleukemia cells. Papaconstantinou J, et al. **Arch Biochem Biophys** 1983 Dec; 227(2):542–51

Cell free translation of rat adrenal messenger RNA coding for an ACTH-induced protein. Langlois-Gallet D, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):975–81

The possible involvement of prostaglandin F2 alpha in the stimulation of muscle protein synthesis by insulin. Reeds PJ, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):1084–90

The mode of action of zaluzanin C, an inhibitor of translation

in eukaryotes. Santamaría F, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):59–63

Effect of microinjections of cAMP-dependent protein kinase subunits on macromolecular syntheses in loach Misgurnus fossilis L. embryos. Glukhov AI, et al. **Biochem Int** 1984 Jul;9(1):83–91

Nature of toxicity for chick embryo fibroblast cells of coumermycin A1 and its physico-chemical interactions with protein and nucleic acid. Palù G, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):147–54

Inhibition of DNA replication coordinately reduces cellular levels of core and H1 histone mRNAs: requirement for protein synthesis. Baumbach LL, et al. **Biochemistry** 1984 Apr 10;23(8):1618–25

Fidelity of the eukaryotic codon-anticodon interaction: interference by aminoglycoside antibiotics. Eustice DC, et al. **Biochemistry** 1984 Mar 27;23(7):1462–7

Synthesis and biological activity of tubercidin analogues of ppp5'A2'p(5'A2')n5'A. Jamoulle JC, et al. **Biochemistry** 1984 Jun 19;23(13):3063–9

Effect of ethanol, phenol, formamide, dimethyl sulfoxide, paromomycin, and deuterium oxide on the fidelity of translation in a brain cell-free system. Laughrea M, et al. **Biochemistry** 1984 Feb 14;23(4):753–8

Effect of protein synthesis inhibitors on the fidelity of translation in eukaryotic systems. Abraham AK, et al. **Biochim Biophys Acta** 1983 Nov 17;741(2):197–203

Fatty acid-glucose interaction in the control of protein synthesis by isolated rat lung cells. Martínez Izquierdo JA, et al. **Biochim Biophys Acta** 1983 Oct 4;760(1):175–84

Cortisol decreases the cellular concentration of translatable procollagen mRNA species in cultured human skin fibroblasts. Oikarinen J, et al. **Biochim Biophys Acta** 1983 Dec 22;741(3):297–302

Early molecular events in rat heart after administration of triiodothyronine and isoproterenol. Raymondjean M, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):30–7

Hormonal regulation of translatable mRNA of glucose-6-phosphate dehydrogenase in primary cultures of adult rat hepatocytes. Yoshimoto K, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):143–9

The control of accuracy during protein synthesis in Escherichia coli and perturbations of this control by streptomycin, neomycin, or ribosomal mutations. Brakier-Gingras L, et al. **Can J Biochem Cell Biol** 1984 May;62(5):231–44 (162 ref.)

Identification and characterization of estrogen-responsive gene products in the liver of rainbow trout. Chen TT. **Can J Biochem Cell Biol** 1983 Jul;61(7):802–10

Increase in the synthesis of a Mr 32,000 protein in BALB/c 3T3 cells treated with tumor-promoting indole alkaloids or polyacetates. Hiwasa T, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5951–5

12-O-tetradecanoylphorbol-13-acetate actions on macromolecular synthesis, ornithine decarboxylase, and cellular differentiation of the rat embryonic visceral yolk sac in culture. Huber BE, et al. **Cancer Res** 1983 Nov; 43(11):5552–9

Effects of 12-O-tetradecanoylphorbol-13-acetate on the incorporation of labelled precursors into RNA, DNA and protein in epidermis, dermis and subcutis from precancerous mouse skin with reference to enhanced tumorigenesis. Bhisey RA, et al. **Carcinogenesis** 1984 Feb; 5(2):135–41

Inhibition of Balbiani ring transcription following differential arrest of Balbiani ring-coded translation. deAlmeida JC, et al. **Chromosoma** 1983;88(5):343–8

Translational attenuation: the regulation of bacterial resistance to the macrolide-lincosamide-streptogramin B antibiotics. Dubnau D. **CRC Crit Rev Biochem** 1984; 16(2):103–32 (142 ref.)

Translational changes induced by 1-methyladenine in anucleate starfish oocytes. Martindale MQ, et al. **Dev Biol** 1984 Feb;101(2):512–5

Interferon-specific effects on protein synthesis in P3HR-1 cells. Leanderson T, et al. **EMBO J** 1982;1(12):1505–11

Insulin-mediated inhibition of tyrosinase activity and protein synthesis in melanoma cell cultures. Fuller BB, et al. **Endocrinology** 1984 Jan;114(1):222–6

Acute posttranscriptional regulation of cerebrocortical and pituitary iodothyronine 5'-deiodinases by thyroid hormone. Leonard JL, et al. **Endocrinology** 1984 Mar;114(3):998–1004

Effect of interferon treatment on blockade of protein synthesis induced by poliovirus infection. Muñoz A, et al. **Eur J Biochem** 1983 Dec 15;137(3):623–9

Regulation of protein synthesis by estradiol 17 beta, dexamethasone and insulin in primary cultured Xenopus hepatocytes. Kawahara A, et al. **Exp Cell Res** 1983 Oct 15;148(2):423–36

Effects of ATP depletion and protein synthesis inhibition on muscle plasma membrane orthogonal arrays. Fischbeck KH. **Exp Neurol** 1984 Mar;83(3):577–88

An edeine resistant mRNA-dependent protein synthesis system from a Saccharomyces cerevisiae mutant. Herrera F, et al. **FEBS Lett** 1984 Aug 20;174(1):47–9

1 alpha, 25-Dihydroxyvitamin D3 directly induces fusion of alveolar macrophages by a mechanism involving RNA and protein synthesis, but not DNA synthesis. Tanaka H, et al. **FEBS Lett** 1984 Aug 20;174(1):61–5

In vivo distribution & action of emetine on protein synthesis in hamster tissues. Agarwal S, et al. **Indian J Exp Biol** 1983 Jun;21(6):353–4

Pathogenesis of experimental salmonellosis: inhibition of protein synthesis by cytotoxin. Koo FC, et al. **Infect Immun** 1984 Jan;43(1):93–100

Regulation of protein synthesis in mitogen-activated bovine lymphocytes. Analysis of actin-specific and total mRNA accumulation and utilization. Degen JL, et al. **J Biol Chem** 1983 Oct 25;258(20):12153–62

Identification of a cold-sensitive step in the mechanism of modeccin action. Draper RK, et al. **J Biol Chem** 1984 Apr 10;259(7):4083–8

Cell-free translation of calf type III collagen. Effect of magnesium on ribosome movement during elongation. Gerstenfeld L, et al. **J Biol Chem** 1983 Oct 10; 258(19):12058–63

Substrate recognition by oligosaccharyl transferase. Inhibition of co-translational glycosylation by acceptor peptides. Lau JT, et al. **J Biol Chem** 1983 Dec 25; 258(24):15255–60

Mechanism of interferon action. Effect of double-stranded RNA and the 5'-O-monophosphate form of 2',5'-oligoadenylate on the inhibition of reovirus mRNA translation in vitro. Miyamoto NG, et al. **J Biol Chem** 1983 Dec 25;258(24):15232–7

The effects of glucose on protein synthesis and thermosensitivity in Chinese hamster ovary cells. Sciandra JJ, et al. **J Biol Chem** 1983 Oct 25;258(20):12091–3

RNase H-catalyzed site-specific deadenylylation of rabbit alpha- and beta- globin mRNAs. Secondary structure of 3'-noncoding regions. Vary CP, et al. **J Biol Chem** 1984 Mar 10;259(5):3299–307

Stimulation of cytoplasmic actin gene transcription and translation in cultured Drosophila cells by ecdysterone. Vitek MP, et al. **J Biol Chem** 1984 Feb 10;259(3):1738–43

Dietary control of aldolase B and L-type pyruvate kinase mRNAs in rat. Study of translational activity and hybridization with cloned cDNA probes. Weber A, et al. **J Biol Chem** 1984 Feb 10;259(3):1798–802

The cytoplasmic 4 S translation inhibitory RNA species of chick embryonic muscle. Effect on mRNA binding to 43 S initiation complex. Winkler MM, et al. **J Biol Chem** 1983 Dec 25;258(24):15141–5

Glucocorticoids stimulate collagen and noncollagen protein synthesis in cultured vascular smooth muscle cells. Leitman DC, et al. **J Cell Biol** 1984 Feb;98(2):541–9

The uncoupling of macromolecular synthesis from cell division in SV3T3 cells by glucocorticoids: the imposition of a G2 block. Das HR, et al. **J Cell Physiol** 1983 Nov; 117(2):241–8

Colchicine prevents the translation of mRNA molecules transcribed immediately after proliferative activation of hepatocytes in regenerating rat liver. Walker PR, et al. **J Cell Physiol** 1984 Feb;118(2):179–85

Effect of intravenous administration of D-lysergic acid diethylamide on initiation of protein synthesis in a cell-free system derived from brain. Cosgrove JW, et al. **J Neurochem** 1984 May;42(5):1420–6

Phencyclidine and analogues: effects on brain protein synthesis. Deutsch DG, et al. **J Neurochem** 1984 Feb; 42(2):407–11

Antiviral and protein-inducing activities of recombinant human leukocyte interferons and their hybrids. Sen GC, et al. **J Virol** 1984 May;50(2):445–50

Multiple effects of kanamycin on translational accuracy. Jelenc PC, et al. **MGG** 1984;194(1-2):195–9

Androgen regulation of prostatic binding protein messenger RNA studied by using cloned complementary DNA. Mpanias OD, et al. **Mol Cell Biochem** 1983;56(2):145–54

Action of oligomycin on cultured mammalian cells. Permeabilization to translation inhibitors. Otero MJ, et al. **Mol Cell Biochem** 1984;61(2):183–91

Alterations of transcription and translation in HeLa cells exposed to amino acid analogs. Thomas GP, et al. **Mol Cell Biol** 1984 Jun;4(6):1063–72

In vitro translational activity of messenger RNA following treatment of human colon carcinoma cells with sangivamycin. Glazer RI, et al. **Mol Pharmacol** 1983 Nov; 24(3):509–12

Analysis of a bacterial hygromycin B resistance gene by transcriptional and translational fusions and by DNA sequencing. Kaster KR, et al. **Nucleic Acids Res** 1983 Oct 11;11(19):6895–911

Translational regulation of the L11 ribosomal protein operon of Escherichia coli: analysis of the mRNA target site using oligonucleotide-directed mutagenesis. Baughman G, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5389–93

Activation of the heme-stabilized translational inhibitor of reticulocyte lysates by calcium ions and phospholipid. De Haro C, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6843–7

A unique mechanism regulating gene expression: translational inhibition by a complementary RNA transcript (micRNA). Mizuno T, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):1966–70

The effects of S-adenosyl methionine (AdoMet) and its analogues on the control of transcription and translation in vitro of the mRNA products of two cytoplasmic polyhedrosis viruses. Mertens PP, et al. **Virology** 1983 Nov; 131(1):18–29

Energy parameters, macromolecular synthesis and cell cycle progression of in vitro grown Ehrlich ascites tumor cells after inhibition of oxidative ATP synthesis by oligomycin. Kroll W, et al. **Z Naturforsch [C]** 1983 Jul-Aug; 38(7-8):604–12

[Degradation of 18S and 28S ribosomal RNA in the cytoplasm of rat liver cells after inhibition of protein synthesis] Chirkov GP, et al. **Biokhimiia** 1983 Jul; 48(7):1157–62 (Eng. Abstr.) **(Rus)**

[Effect of proteins S100 on RNA and protein biosynthesis in neurons and glial cells of the rat brain] Poletaev AB, et al. **Biokhimiia** 1983 Nov;48(11):1820–4 (Eng. Abstr.) **(Rus)**

[Effect of histone H5 on RNA synthesis in leukemic cells and on the translation process in vitro] Smirnova IA, et al. **Biokhimiia** 1984 Jan;49(1):136–41 (Eng. Abstr.) **(Rus)**

[Structural changes in chromatin during activation of transcription coupled with translation inhibition by cycloheximide] Todorov IN, et al. **Biokhimiia** 1984 May; 49(5):827–35 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

A rapidly light-induced chloroplast protein with a high turnover coded for by pea nuclear DNA. Meyer G, et al. **Eur J Biochem** 1984 Jan 2;138(1):201–7

Effect of post-irradiation inhibition of protein synthesis on UV-induced mitotic gene conversion in Saccharomyces cerevisiae. Vashishat RK, et al. **Mutat Res** 1983 Dec; 122(3-4):305–8

TRANSLATIONS

[Chance of intention? (on the problem of the propagation of scientific knowledge)] Koeppe P. **Rontgenpraxis** 1983 Dec;36(12):395–7 **(Ger)**

TRANSLOCATION (GENETICS)

H-Y antigen in human X-autosome translocations. Mayerova A, et al. **Acta Anthropogenet** 1983;7(2):119–31

Partial trisomy 12p. A newborn child with karyotype 46,XY,der(11), t(11; 12) (q25; p11) mat. Case report and review. Ottolina de Bracamonte N, et al. **Acta Cient Venez** 1982;33(4):342–7

A new unusual translocation involving the short arms of chromosome 19 in Ph1-positive chronic myeloid leukemia. Caimo A, et al. **Acta Haematol (Basel)** 1984;71(2):124–7

Partial trisomy 16q in the son resulting from paternal 16/21 translocation. Kosanović M, et al. **Acta Med Iugosl** 1983; 37(4):335–40

A variant 8;21 translocation in acute myeloblastic leukemia. Oguma N, et al. **Am J Hematol** 1983 Dec;15(4):391–6

Inherited structural cytogenetic abnormalities detected incidentally in fetuses diagnosed prenatally: frequency, parental-age associations, sex-ratio trends, and comparisons with rates of mutants. Hook EB, et al. **Am J Hum Genet** 1984 Mar;36(2):422–43

Werner's syndrome: proliferation in vitro of clones of cells bearing chromosome translocations. Schonberg S, et al. **Am J Hum Genet** 1984 Mar;36(2):387–97

Evidence for a 15;17 translocation in every patient with acute promyelocytic leukemia. Larson RA, et al. **Am J Med** 1984 May;76(5):827–41

Chromosome analysis in hematologic disorders. The leukemias. Sandberg AA, et al. **Am J Med** 1984 Jun; 76(6):971–82

Spreading of inactivation in an (X;14) translocation. Allderdice PW, et al. **Am J Med Genet** 1978;2(3):233–40

Segregation of chromosomes into the spermatozoa of a man heterozygous for a 14;21 Robertsonian translocation. Balkan W, et al. **Am J Med Genet** 1983 Oct;16(2):169–72

Aarskog syndrome: full male and female expression associated with an X-autosome translocation. Bawle E, et al. **Am J Med Genet** 1984 Mar;17(3):595–602

Brief clinical report: duplication of distal 17q: report of an observation. Naccache NF, et al. **Am J Med Genet** 1984 Mar;17(3):633–9

Reproductive risks for translocation carriers: cytogenetic study and analysis of pregnancy outcome in 58 families. Neri G, et al. **Am J Med Genet** 1983 Dec;16(4):535–61

Cytogenetic findings in 318 couples with repeated spontaneous abortion: a review of experience in British Columbia. Pantzar JT, et al. **Am J Med Genet** 1984 Mar; 17(3):615–20

Acute leukemia associated with trisomy 8 mosaicism and a familial translocation 46,XY,t(7;20)(p13;p12). Riccardi VM, et al. **Am J Med Genet** 1978;2(1):15–21

Cyclopia and cebocephaly in two newborn infants with unbalanced segregation of a familial translocation rcp (1;7)(q32;q34). Schinzel A. **Am J Med Genet** 1984 May; 18(1):153–61

Recurrence rate for de novo 21q21q translocation Down syndrome: a study of 112 families. Steinberg C, et al. **Am J Med Genet** 1984 Feb;17(2):523–30

A familial reciprocal translocation t(3;7) (p21.1;p13) associated with the Greig polysyndactyly-craniofacial anomalies syndrome. Tommerup N, et al. **Am J Med Genet** 1983 Nov;16(3):313–21

Multiple skeletal familial abnormalities associated with balanced reciprocal translocation 2;8(q32;p13). Ventruto V, et al. **Am J Med Genet** 1983 Dec;16(4):589–94

Philadelphia chromosome-negative chronic myelogenous leukemia in a child with t(8;9)(p11 or 12;q34). Lewis JP, et al. **Am J Pediatr Hematol Oncol** 1983 Fall;5(3):265–9

Unmasking of heterozygosity by inherited balanced translocations. Implications for prenatal diagnosis and gene

mapping. Bühler EM. **Ann Genet (Paris)** 1983;26(3):133–7
Partial trisomy 16q resulting from maternal translocation 11p/16q. Calva P, et al. **Ann Genet (Paris)** 1984;27(2):122–5
Chromosome banding patterns of four species of bats, with special reference to a case of X–autosome translocation. Kasahara S, et al. **Ann Genet (Paris)** 1983;26(4):197–201
Mild expression of 3qter trisomy due to a de novo (X;3)(p22.3;q25.3) translocation. Rivera H, et al. **Ann Genet (Paris)** 1984;27(2):112–4
'Pure' monosomy 21 pter leads to q21 in a girl born to a couple 46,XX,t(14;21)(p12;q22) and 46,XY,t(5;18)(q32;q22). Rivera H, et al. **Ann Genet (Paris)** 1983;26(4):234–7
Trisomy 6q22 leads to 6qter due to maternal 6;21 translocation. Case report review of the literature. Taysi K, et al. **Ann Genet (Paris)** 1983;26(4):243–6 (12 ref.)
Translocation t(11;14) and trisomy 11q13——qter in multiple myeloma. Venti G, et al. **Ann Genet (Paris)** 1984;27(1):53–5
Chiasma-derived genetic lengths and recombination fractions: a reciprocal translocation 46,XY,t(1;22)(q32;q13). Palmer RW, et al. **Ann Hum Genet** 1983 Oct; 47 (Pt 4):299–310
Orientation behavior of chromosome multiples of interchange (reciprocal translocation) heterozygotes. Rickards GK. **Annu Rev Genet** 1983;17:443–98 (206 ref.)
Hunter's disease in a girl: association with X;5 chromosomal translocation disrupting the Hunter gene. Mossman J, et al. **Arch Dis Child** 1983 Nov;58(11):911–5
Contemporary management of lymphoma: chromosome studies. Sandberg AA, et al. **Ariz Med** 1984 Mar; 41(3):164–9
Mapping of the c-sis oncogene on human chromosome 22 with respect to the breakpoint associated with chronic myeloid leukaemia. Goyns MH. **Biosci Rep** 1983 Dec; 3(12):1107–11
Pre–B cell leukemia associated with chromosome translocation 1;19. Carroll AJ, et al. **Blood** 1984 Mar; 63(3):721–4
A new translocation, t(1;3) (p36;q21), in myelodysplastic disorders. Moir DJ, et al. **Blood** 1984 Aug;64(2):553–5
Common ALL with pre–B–cell features showing (8;14) and (14;18) chromosome translocations. Mufti GJ, et al. **Blood** 1983 Nov;62(5):1142–6
Variable breakpoints on Ph1–chromosome [letter] Verma RS, et al. **Blood** 1984 Aug;64(2):576–7
Acute myeloblastic leukaemia and t(8;21) translocation [letter] Jacobsen RJ, et al. **Br J Haematol** 1984 Jul; 57(3):539–40
Hereditary persistence of fetal haemoglobin (HPFH) in conjunction with a chromosomal translocation involving the haemoglobin beta locus. Jensen M, et al. **Br J Haematol** 1984 Jan;56(1):87–94
Philadelphia chromosome: a rare three–way translocation in association with unique clinical and haematological features. Lorch CA, et al. **Br J Haematol** 1984 Feb; 56(2):349–51
8;21 translocation in acute granulocytic leukaemia: cytological, cytochemical and clinical features. Swirsky DM, et al. **Br J Haematol** 1984 Feb;56(2):199–213
Burkitt's lymphoma. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1982;203:141–50
8;21 Translocation in acute myeloid leukemia. An ultrastructural study. Tricot G, et al. **Cancer** 1984 Feb 1; 53(3):453–8
The incidence, type, and subsequent evolution of 14 variant Ph1 translocations in 180 South African patients with Ph1–positive chronic myeloid leukemia. Bernstein R, et al. **Cancer Genet Cytogenet** 1984 Jul;12(3):225–38
Translocation (9;11)(p21;q23) in a case of acute myeloblastic leukemia (AML–M2). Carroll AJ, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):329–32
Chromosome analysis of Dalton's lymphoma adapted to the Swiss mouse: clonal evaluation and C–heterochromatin distribution. Chakrabarti S, et al. **Cancer Genet Cytogenet** 1984 Apr;11(4):417–23
Fourth International Workshop on Chromosomes in Leukemia 1982: Chromosomes in acute promyelocytic leukemia. Garson OM, et al. **Cancer Genet Cytogenet** 1984 Mar;11(3):288–93
Fourth International Workshop on Chromosomes in Leukemia 1982: Translocation (8;21)(q22;q22) in acute nonlymphocytic leukemia. Hagemeijer A, et al. **Cancer Genet Cytogenet** 1984 Mar;11(3):284–7
Is the chromosomal region 9q34 always involved in variants of the Ph1 translocation? Hagemeijer A, et al. **Cancer Genet Cytogenet** 1984 Sep;13(1):1–16
Position effect in translocation (2;8) in acute lymphocytic leukemia with kappa light chain immunoglobulin expression. Hecht F, et al. **Cancer Genet Cytogenet** 1983 Nov;10(3):255–9
Two cases of variant Philadelphia chromosome resulting from translocation (21;22) and (3;19;22). Heikkila E, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):223–6
Critical chromosome rearrangement in acute promyelocytic leukemia. Knuutila S, et al. **Cancer Genet Cytogenet** 1984 Apr;11(4):473–7
Translocation t(3;17)(q26;q22): a marker of acute disease in myeloproliferative disorders? Mecucci C, et al. **Cancer Genet Cytogenet** 1984 Jun;12(2):111–9
Translocation 1;19—a new cytogenetic abnormality in acute lymphocytic leukemia. Michael PM, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):333–41
Acute promyelocytic transformation in a case of acute myelomonocytic leukemia. Moir DJ, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):359–64
Two adult siblings with thrombocytopenia and a familial 13;14 translocation. Nowell P, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):169–74
Nonrandom cytogenetic changes in human acute leukemia and their clinical implications. Ohyashiki K. **Cancer Genet Cytogenet** 1984 Apr;11(4):453–71
Chronic myelogenous leukemia with a complex Ph1 translocation in an XYY male. Ohyashiki K, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):215–9
Coexistence of cells with unmasked and masked Ph1 in a case of chronic myeloid leukemia in blastic phase. Pedersen B. **Cancer Genet Cytogenet** 1984 Jun;12(2):129–37
High resolution chromosomes of the t(9;22) positive leukemias. Prakash O, et al. **Cancer Genet Cytogenet** 1984 Apr;11(4):361–7
Translocation 1;7 in dyshematopoiesis: possibly induced with a nonrandom geographic distribution. Scheres JM, et al. **Cancer Genet Cytogenet** 1984 Aug;12(4):283–94
Translocation (2;9;22) in chronic myelogenous leukemia (CML) [letter] Turchini MF, et al. **Cancer Genet Cytogenet** 1984 Feb;11(2):221–2
Involvement of band 3p14 in t(3;8) hereditary renal carcinoma. Wang N, et al. **Cancer Genet Cytogenet** 1984 Apr;11(4):479–81
Evolution to eosinophilic leukemia with a t(5:11) translocation in a patient with idiopathic hypereosinophilic syndrome. Yoo TJ, et al. **Cancer Genet Cytogenet** 1984 Apr; 11(4):389–4
Biological implications of consistent chromosome rearrangements in leukemia and lymphoma. Rowley JD. **Cancer Res** 1984 Aug;44(8):3159–68 (61 ref.)
The human c–myc oncogene: structural consequences of translocation into the IgH locus in Burkitt lymphoma. Battey J, et al. **Cell** 1983 Oct;34(3):779–87
Translocation of the myc cellular oncogene to the immunoglobulin heavy chain locus in murine plasmacytomas is an imprecise reciprocal exchange. Gerondakis S, et al. **Cell** 1984 Apr;36(4):973–82
Philadelphia chromosomal breakpoints are clustered within a limited region, bcr, on chromosome 22. Groffen J, et al. **Cell** 1984 Jan;36(1):93–9
Transcriptional activation of the translocated c–myc oncogene in mouse plasmacytomas: similar RNA levels in tumor and proliferating normal cells. Keath EJ, et al. **Cell** 1984 Jun;37(2):521–8
A novel alteration in the structure of an activated c–myc gene in a variant t(2;8) Burkitt lymphoma. Taub R, et al. **Cell** 1984 Jun;37(2):511–20
New chromosomal translocations correlate with specific immunophenotypes of childhood acute lymphoblastic leukemia. Williams DL, et al. **Cell** 1984 Jan;36(1):101–9
Homologous 14q14q Robertsonian translocation in man. Zhou HG, et al. **Chin Med J [Engl]** 1983 Aug;96(8):625–33
Synaptonemal complex analysis of X–7 translocations in male mice: R2 and R6 quadrivalents. Ashley T, et al. **Chromosoma** 1983;88(3):171–7
Nonhomologous synapsis of the sex chromosomes in the heteromorphic bivalents of two X–7 translocations in male mice: R5 and R6. Ashley T. **Chromosoma** 1983;88(3):178–83
Human telomeric 6; 19 translocation chromosome with a tendency to break at the fusion point. Drets ME, et al. **Chromosoma** 1983;88(2):139–44
A chromosome rearrangement in Neurospora that produces segmental aneuploid progeny containing only part of the nucleolus organizer. Perkins DD, et al. **Chromosoma** 1984; 89(1):8–17
Partial trisomy 11q due to paternal t(11q;18p); further delineation of the clinical picture. de France HF, et al. **Clin Genet** 1984 Mar;25(3):295–9
Myotonic dystrophy and autosomal balanced translocation t(2;20)(p21;q11). Fryns JP, et al. **Clin Genet** 1984 May; 25(5):446–8
Trisomy 10p produced by recombination involving complex paternal translocation between chromosomes 1 and 10. Herva R, et al. **Clin Genet** 1983 Jul;24(1):50–3
Cytogenetic studies of a patient with mosaicism of isochromosome 13q and a dicentric (Y;13) translocation showing differential centromeric activity. Ing PS, et al. **Clin Genet** 1983 Sep;24(3):194–9
Atypical Down syndrome and partial trisomy 21. Jenkins EC, et al. **Clin Genet** 1983 Aug;24(2):97–102
Analysis of human sperm chromosome complements from a male heterozygous for a reciprocal translocation t(11;22)(q23;q11). Martin RH. **Clin Genet** 1984 Apr; 25(4):357–61
A familial X/Y translocation in a boy with ichthyosis, hypogonadism and mental retardation. Metaxotou C, et al. **Clin Genet** 1983 Nov;24(5):380–3
Partial trisomy 16q in two boys resulting from a maternal translocation, t(15;16)(p12;q11). Nevin NC, et al. **Clin Genet** 1983 Nov;24(5):375–9
Characterization of a Y/15 translocation by banding methods, distamycin A treatment of lymphocytes and DNA restriction endonuclease analysis. Schmid M, et al. **Clin Genet** 1983 Oct;24(4):234–9
Robertsonian translocation and Prader–Willi syndrome [letter] Smith A. **Clin Genet** 1984 Jan;25(1):86
Familial Wolf's syndrome with a hidden 4p deletion by translocation of an 8p segment. Unbalanced inheritance from a maternal translocation (4;8)(p15.3;p22). Case report, review and risk estimates. Stengel–Rutkowski S, et al. **Clin Genet** 1984 Jun;25(6):500–21
Five generations of t(4;8)(q35;q13) leading to a case of partial 8q trisomy with consideration of potential pregnancy outcomes from translocation carriers. Young RS, et al. **Clin Genet** 1984 Jun;25(6):522–7
In situ hybridization and translocation breakpoint mapping. I. Nonidentical 22q11 breakpoints for the t(9;22) of CML and the t(8;22) of Burkitt lymphoma. Emanuel BS, et al. **Cytogenet Cell Genet** 1984;38(2):127–31
Synaptonemal complex analysis of chromosome rearrangements in domestic fowl, Gallus domesticus. Kaelbling M, et al. **Cytogenet Cell Genet** 1983;36(3):567–72
X;Y translocation in a female with streak gonads, H–Y–phenotype, and some features of Turner's syndrome. Kelly TE, et al. **Cytogenet Cell Genet** 1984;38(2):122–6
Pachytene analysis of a man with a 13q;14q translocation and infertility. Behavior of the trivalent and nonrandom association with the sex vesicle. Luciani JM, et al. **Cytogenet Cell Genet** 1984;38(1):14–22
Two new X–autosome translocations in the mouse. Searle AG, et al. **Cytogenet Cell Genet** 1983;35(4):279–92
Selective elimination of chromosomally unbalanced zygotes at the two–cell stage in the Chinese hamster. Sonta S, et al. **Cytogenet Cell Genet** 1984;38(1):5–13
Expression and regional assignment of Chinese hamster ESD and rRNA genes associated with translocations giving rise to chromosomes Z1 and Z6 in CHO cells. Stallings RL, et al. **Cytogenet Cell Genet** 1984;38(2):132–7
X chromosome inactivation in bone marrow cells of adult mice carrying Searle's X–autosome translocation: occurrence of the early–replicating inactive X chromosome. Takagi N, et al. **Cytogenet Cell Genet** 1984; 38(1):62–9
Chiasma frequency and nondisjunction in heteromorphic bivalents: meiotic behavior in T(1;13)70H/T(1;13)1Wa mice as compared to T(1;13)70H/T(1;13)70H mice. Wauben–Penris PJ, et al. **Cytogenet Cell Genet** 1983; 36(3):547–53
Translocation (1;6) in acute lymphoblastic leukemia. Werner–Favre C, et al. **Cytogenet Cell Genet** 1984;38(2):158
Sequence of the murine and human cellular myc oncogenes and two modes of myc transcription resulting from chromosome translocation in B lymphoid tumours. Bernard O, et al. **EMBO J** 1983;2(12):2375–83
Interchromosomal recombination of the cellular oncogene c–myc with the immunoglobulin heavy chain locus in murine plasmacytomas is a reciprocal exchange. Cory S, et al. **EMBO J** 1983;2(5):697–703
Chemical mutagenesis testing in Drosophila: I. Comparison of positive and negative control data for sex–linked recessive lethal mutations and reciprocal translocations in three laboratories. Woodruff RC, et al. **Environ Mutagen** 1984;6(2):189–202
Bilateral retinoblastoma with de novo constitutional balanced translocation t(2;9)(q11;p11). Balestrazzi P, et al. **Eur J Pediatr** 1984 Feb;141(4):250–1
Wilms' tumor, malformative syndrome, mental retardation and de novo constitutional translocation, t(7;13)(q36;q13). Bernard JL, et al. **Eur J Pediatr** 1984 Jan;141(3):175–7
Three new cases of partial monosomy 21 resulting from one ring 21 chromosome and two unbalanced reciprocal translocations. Philip N, et al. **Eur J Pediatr** 1984 Apr; 142(1):61–4
Flow cytometry isolation and improved visualization of sorted mouse chromosomes. Purification of chromosomes X and ISO–1 from cell lines with Robertsonian translocations. Baron B, et al. **Exp Cell Res** 1984 May; 152(1):220–30
A Y–translocation method for localizing enzyme genes on Drosophila polytene chromosomes. Sperlich D, et al. **Experientia** 1984 Feb 15;40(2):203–6
A novel Japanese Burkitt's lymphoma cell line, P32/Ishida, with a new variant chromosomal translocation (2;14). Hirose M, et al. **Gann** 1983 Dec;74(6):878–86
Implications of the genetic divergence between European wild mice with Robertsonian translocations from the viewpoint of mitochondrial DNA. Moriwaki K, et al. **Genet Res** 1984 Jun;43(3):277–87
Chromosome studies in acute promyelocytic leukemia. An analysis of 11 cases. Rosti G, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):133–40
Trisomy 4q31——qter due to a maternal 4/8 translocation. Annerén G, et al. **Hereditas** 1984;100(1):45–9
Occurrence of two different reciprocal translocations in the same litter of domestic pigs. Gustavsson I, et al. **Hereditas** 1983;99(2):257–67
Reciprocal chromosome translocation with transfer of centromeric heterochromatin in the domestic pig karyotype. Gustavsson I, et al. **Hereditas** 1984;100(1):1–5
Use of repetitive DNA for diagnosis of chromosomal rearrangements. Burk RD, et al. **Hum Genet** 1983; 64(4):339–42
Mating between two balanced translocation carriers in two unrelated families. Dallapiccola B, et al. **Hum Genet** 1983; 65(2):165–8
Four cases of partial trisomy 4p by preferential segregation in a familial 4p/17q balanced translocation. del Mazo J, et al. **Hum Genet** 1984;66(4):370
X–inactivation patterns in lymphocytes and skin fibroblasts of three cases of X–autosome translocations with abnormal phenotypes. Disteche CM, et al. **Hum Genet** 1984;

66(1):71–6
Unbalanced reciprocal translocations in cases of Prader–Willi syndrome. Duckett DP, et al. **Hum Genet** 1984;67(2):156–61
Harvey–ras allele deletion detected by in situ hybridization to Wilms' tumor chromosomes. Eccles MR, et al. **Hum Genet** 1984;67(2):190–2
Contribution of reciprocal translocations to an understanding of chromosome displacement: inferences for studies of spatial order at metaphase. Ford JH, et al. **Hum Genet** 1984; 66(4):302–5
Cytogenetic survey in couples with recurrent fetal wastage. Fryns JP, et al. **Hum Genet** 1984;65(4):336–54
Fragile chromosome 16(q22) cause a balanced translocation at the same point. García-Sagredo JM, et al. **Hum Genet** 1983;65(2):211–3
Familial DiGeorge syndrome and associated partial monosomy of chromosome 22. Greenberg F, et al. **Hum Genet** 1984;65(4):317–9
Cytogenetic studies of familial Prader–Willi syndrome. Hasegawa T, et al. **Hum Genet** 1984;65(4):325–30
Trisomy 16q13——qter in a infant from a t(11;16)(q25;q13) translocation–carrier father. Hatanaka K, et al. **Hum Genet** 1984;65(3):311–5
The 11q;22q translocation: a collaborative study of 20 new cases and analysis of 110 families. Iselius L, et al. **Hum Genet** 1983;64(4):343–55
Meiotic studies in two infertile males with autosomal translocations. Mićić M, et al. **Hum Genet** 1984; 65(3):308–10
Analysis of the DNA replication pattern of a translocation (tX/X, qter——p221::p223——qter) chromosome in leukocyte and fibroblast cultures. Pelliccia F, et al. **Hum Genet** 1984;67(2):225–9
The phenotype in partial 13q trisomies, apropos of a familial (13;15)(q22;q26) translocation. Rivas F, et al. **Hum Genet** 1984;67(1):86–93
Satellited Y chromosomes: structure, origin, and clinical significance. Schmid M, et al. **Hum Genet** 1984;67(1):72–85
Meiotic translocations in two sterile males. Templado C, et al. **Hum Genet** 1984;67(2):239
Meiotic studies and synaptonemal complex analysis in two infertile males with a 13/14 balanced translocation. Templado C, et al. **Hum Genet** 1984;67(2):162–5
Reduced NOR association frequency in a 13/18 translocation chromosome. A family study. van Tuinen P, et al. **Hum Genet** 1983;65(1):82–4
Expression of an X-linked muscular dystrophy in a female due to translocation involving Xp21 and non-random inactivation of the normal X chromosome. Verellen-Dumoulin C, et al. **Hum Genet** 1984;67(1):115–9
Non-random in vitro 7;14 translocations detected in a routine cytogenetic series. 12 examples and their possible significance. Wallace C, et al. **Hum Genet** 1984; 66(2–3):157–61
Distinction between Burkitt lymphoma subgroups by monoclonal antibodies: relationships between antigen expression and type of chromosomal translocation. Ehlin-Henriksson B, et al. **Int J Cancer** 1984 Apr 15; 33(4):459–63
Karyotype evolution in B-cell lymphoid malignancy with an 8;14 translocation. Fukuhara S, et al. **Int J Cancer** 1983 Nov 15;32(5):555–62
Spontaneous, elongation factor G independent translocation of Escherichia coli ribosomes. Bergemann K, et al. **J Biol Chem** 1983 Dec 25;258(24):15105–13
c-myc Involvement in chromosomal translocations in mice and men. Caccia NC, et al. **J Cell Physiol [Suppl]** 1984; 3:199–208 (115 ref.)
The human c-abl oncogene in the Philadelphia translocation. Groffen J, et al. **J Cell Physiol [Suppl]** 1984;3:179–91
The effect of translocations on the cellular myc gene in Burkitt lymphomas. Mitchell KF, et al. **J Cell Physiol [Suppl]** 1984;3:171–7 (40 ref.)
Non-random X-chromosome inactivation in mouse X-autosome translocation embryos—location of the inactivation centre. Rastan S. **J Embryol Exp Morphol** 1983 Dec;78:1–22
Reproductive hormone studies in three subjects with a Robertsonian translocation. Uccellatore F, et al. **J Endocrinol Invest** 1983 Dec;6(6):479–84
Chromosomal translocations activating myc sequences and transduction of v-abl are critical events in the rapid induction of plasmacytomas by pristane and abelson virus. Ohno S, et al. **J Exp Med** 1984 Jun 1;159(6):1762–77
High resolution banding analysis of the involvement of strain BALB/c- and AKR-derived chromosomes No. 15 in plasmacytoma-specific translocations. Wiener F, et al. **J Exp Med** 1984 Jan 1;159(1):276–91
Double balanced chromosomal translocation carrier (6;8), (13;14)—a case report. Hansen RG, et al. **J Hered** 1983 Nov–Dec;74(6):450–2
Double balanced chromosomal translocation carrier (6;8), (13;14)—a case report: critique and response. Young RS. **J Hered** 1984 Mar–Apr;75(2):154
A complex double translocation involving four chromosomes and five breakpoints in a child with mild mental retardation. Couzin DA, et al. **J Med Genet** 1983 Oct;20(5):389–92
Further evidence for Xp21 location of Duchenne muscular dystrophy (DMD) locus: X;9 translocation in a female with DMD. Emanuel BS, et al. **J Med Genet** 1983 Dec; 20(6):461–3
X chromosome replication patterns in a case of X;9 balanced translocation. Filippi G, et al. **J Med Genet** 1983 Dec; 20(6):467–8
Familial hypogonadism with a balanced reciprocal 1;12 translocation. Handelsman D, et al. **J Med Genet** 1983 Dec; 20(6):478
Whole arm translocation t(1;13) in an infertile man. Moreau N, et al. **J Med Genet** 1984 Jun;21(3):234–5
Autosomal dominant anterior polar cataracts associated with a familial 2;14 translocation. Moross T, et al. **J Med Genet** 1984 Feb;21(1):52–3
An unbalanced (6q;13q) translocation in a male with clinical features of Ehlers–Danlos type II syndrome. Scarbrough PR, et al. **J Med Genet** 1984 Jun;21(3):226–8
Balanced rearrangements of the autosomes: results of a longitudinal study of a newborn survey population. Tierney I, et al. **J Med Genet** 1984 Feb;21(1):45–51
Ring (13),t(2;6) associated with familial fragile (16). Ventruto V, et al. **J Med Genet** 1984 Jun;21(3):233
De novo translocation heterozygote with three reciprocal translocations. Watt JL, et al. **J Med Genet** 1983 Oct; 20(5):385–8
Reciprocal translocation 14q;21q in a patient with the Brachmann–de Lange syndrome. Wilson WG, et al. **J Med Genet** 1983 Dec;20(6):469–71
De novo translocation involving chromosomes 2, 8, and 20. Zaletajev DV, et al. **J Med Genet** 1984 Jun;21(3):231
Chromosome 11 and Beckwith–Wiedemann syndrome [letter] Pueschel SM, et al. **J Pediatr** 1984 Mar;104(3):484–5
Reciprocal translocation 60,XY,t(8;15) (21;24) in cattle. Mayr B, et al. **J Reprod Fertil** 1983 Nov;69(2):629–30
Down syndrome with 45 chromosomes. Hata A, et al. **Jinrui Idengaku Zasshi** 1983 Sep;28(3):209–13
Partial trisomy for 7p due to maternal balanced translocation. Ohdo S, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):297–300
Abnormal expression of vimentin intermediate filaments in human lymphoid cell lines with deletion or translocation of the distal end of chromosome 8. Dellagi K, et al. **JNCI** 1984 Jul;73(1):95–100
Cytogenetic approaches to the clarification of pathogenesis in lymphoid malignancies: clinicopathologic characterization of 14q+ marker-positive non-T-cell malignancies. Fukuhara S, et al. **Jpn J Clin Oncol** 1983 Sep;13(3):461–75
Chromosome translocations and B cell neoplasia. Croce CM, et al. **Lab Invest** 1984 Sep;51(3):258–67
Chromosome translocation in extraskeletal Ewing's tumour [letter] Becroft DM, et al. **Lancet** 1984 Aug 18;2(8399):400
Altered transcription of an oncogene in chronic myeloid leukaemia. Canaani E, et al. **Lancet** 1984 Mar 17; 1(8377):593–5
Locus for cystic fibrosis [letter] Edwards JH, et al. **Lancet** 1984 May 5;1(8384):1020
Prenatal diagnosis of an unbalanced chromosome translocation identified by direct karyotyping of chorionic biopsy [letter] MacKenzie IZ, et al. **Lancet** 1983 Dec 17; 2(8364):1426–7
Chromosomal translocations in Algerian Burkitt's lymphoma [letter] Mark–Vendel E, et al. **Lancet** 1983 Oct 1; 2(8353):788
Relevance to leukaemia of oncogene translocations [letter] Reid MM. **Lancet** 1984 Jul 14;2(8394):94
First trimester chromosomal analysis of complex structural rearrangements with RHA banding on chorionic villi [letter] Sachs ES, et al. **Lancet** 1983 Dec 17;2(8364):1426
Chronic myeloid leukaemia and the Philadelphia translocation: do the c-sis oncogene and platelet-derived growth factor provide the link? Francis GE, et al. **Leuk Res** 1983;7(6):817–20
Hypereosinophilic syndrome in acute lymphoblastic leukemia with a chromosome translocation [t(5q;14q)]. Tono–oka T, et al. **Med Pediatr Oncol** 1984;12(1):33–7
Moderate-level gene amplification in methotrexate-resistant Chinese hamster ovary cells is accompanied by chromosomal translocations at or near the site of the amplified DHFR gene. Flintoff WF, et al. **Mol Cell Biol** 1984 Jan;4(1):69–76
The c-sis oncogene is not activated in Ewing's sarcoma [letter] Bechet JM, et al. **N Engl J Med** 1984 Feb 9; 310(6):393
Chromosomal translocation in a child with chronic lymphocytic leukemia [letter] Dillman RO. **N Engl J Med** 1984 Feb 16;310(7):469
Chromosomal translocations and timing of malignant transformation in Burkitt's lymphoma [letter] Murphy SB, et al. **N Engl J Med** 1984 Jul 19;311(3):195–6
Chromosome translocation in peripheral neuroepithelioma. Whang-Peng J, et al. **N Engl J Med** 1984 Aug 30; 311(9):584–5
Beta-globin gene inactivation by DNA translocation in gamma beta-thalassaemia. Kioussis D, et al. **Nature** 1983 Dec 15–21;306(5944):662–6
A novel 6:10 chromosomal translocation in the murine plasmacytoma NS-1. Perlmutter RM, et al. **Nature** 1984 Feb 2–8;307(5950):473–6
A conserved sequence at c-myc oncogene chromosomal translocation breakpoints in plasmacytomas. Piccoli SP, et al. **Nature** 1984 Jul 26–Aug 1;310(5975):327–30
Effect of somatic mutation within translocated c-myc genes in Burkitt's lymphoma. Rabbitts TH, et al. **Nature** 1984 Jun 14–20;309(5969):592–7
Nucleotide sequence comparison of normal and translocated murine c-myc genes. Stanton LW, et al. **Nature** 1984 Aug 2–8;310(5976):423–5
Rat c-myc oncogene is located on chromosome 7 and rearranges in immunocytomas with t(6:7) chromosomal translocation. Siimegi J, et al. **Nature** 1983 Dec 1–7; 306(5942):497–8
Clinicopathological characteristics of acute lymphoblastic leukemia with the 4;11 chromosome translocation. Levin MD, et al. **Pathology** 1984 Jan;16(1):63–6
Absent right atrioventricular connection and double-inlet ventricle due to an unbalanced familial 8:13 chromosome translocation: a cautionary tale. Burn J, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):55–9
Control of adenine nucleotide translocation in liver mitochondria from ethanol-fed rats. Cunningham CC, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:63–6
Limited use of chromosomal markers in prenatal diagnosis. Friedrich U, et al. **Prenat Diagn** 1983 Oct;3(4):355–6
Prenatal diagnosis of a double heterozygote for two reciprocal translocations of familial origin. Mulcahy MT, et al. **Prenat Diagn** 1983 Oct;3(4):351–3
NH2-terminal hydrophobic region of influenza virus neuraminidase provides the signal function in translocation. Bos TJ, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(8):2327–31
Translocated c-myc oncogene of Burkitt lymphoma is transcribed in plasma cells and repressed in lymphoblastoid cells. Croce CM, et al. **Proc Natl Acad Sci USA** 1984 May; 81(10):3170–4
Transcriptional activation of an unrearranged and untranslocated c-myc oncogene by translocation of a C lambda locus in Burkitt. Croce CM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6922–6
The 2p breakpoint of a 2;8 translocation in Burkitt lymphoma interrupts the V kappa locus. Emanuel BS, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2444–6
Translocation of an immunoglobulin kappa locus to a region 3' of an unrearranged c-myc oncogene enhances c-myc transcription. Erikson J, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7581–5
The chromosome 14 breakpoint in neoplastic B cells with the t(11;14) translocation involves the immunoglobulin heavy chain locus. Erikson J, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4144–8
Translocation and rearrangement of c-myc into immunoglobulin alpha heavy chain locus in primary cells from acute lymphocytic leukemia. Peschle C, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5514–8
Activation of the c-myc gene by translocation: a model for translational control. Saito H, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7476–80
Products of a reciprocal chromosome translocation involving the c-myc gene in a murine plasmacytoma. Stanton LW, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):829–33
Hemizygous interstitial deletion of chromosome 15 (band D) in three translocation–negative murine plasmacytomas. Wiener F, et al. **Proc Natl Acad Sci USA** 1984 Feb; 81(4):1159–63
Significance of specific chromosomal translocations and trisomies for the genesis of murine and human tumors of the lymphocyte–plasmacyte lineage. Klein G. **Prog Nucleic Acid Res Mol Biol** 1983;29:35–8
Translocations among antibody genes in human cancer. Leder P, et al. **Science** 1983 Nov 18;222(4625):765–71 (46 ref.)
Repression of rearranged mu gene and translocated c-myc in mouse 3T3 cells X Burkitt lymphoma cell hybrids. Nishikura K, et al. **Science** 1984 Apr 27;224(4647):399–402
Molecular cloning of the chromosomal breakpoint of B-cell lymphomas and leukemias with the t(11;14) chromosome translocation. Tsujimoto Y, et al. **Science** 1984 Jun 29; 224(4656):1403–6
Duchenne muscular dystrophy involving translocation of the dmd gene next to ribosomal RNA genes. Worton RG, et al. **Science** 1984 Jun 29;224(4656):1447–9
3; 9; 15; 22 complex translocation in an adult chronic myelocytic leukemia. Chong LL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):1005–8
[Familial case of a balanced chromosomal translocation (7;8) (q11;p23) as a cause of reproductive failure] Georgieva V, et al. **Akush Ginekol (Sofiia)** 1983;22(5):409–14 (Eng. Abstr.) **(Bul)**
[De novo appearance of a partial trisomy 1q in mosaic due to a 1;9 translocation] Gagnon JA, et al. **Ann Genet (Paris)** 1984;27(1):33–7 (Eng. Abstr.) **(Fre)**
[Cri-du-chat syndrome and trisomy 8p due to a paternal translocation t(5;8)(p1409;p12)] Rethoré MO, et al. **Ann Genet (Paris)** 1984;27(2):118–21 (Eng. Abstr.) **(Fre)**
[Translocation of chromosome 22 in Ewing's sarcoma] Aurias A, et al. **C R Seances Acad Sci [III]** 1983;296(23):1105–7 (Eng. Abstr.) **(Fre)**
[Chromosomal translocation (11; 22) in cell lines of Ewing's sarcoma] Turc-Carel C, et al. **C R Seances Acad Sci [III]** 1983;296(23):1101–3 (Eng. Abstr.) **(Fre)**
[Secondary 18q2 due to a paternal double translocation] Bourrouillou G, et al. **J Genet Hum** 1983 Sep;31(3):243–9 (Eng. Abstr.) **(Fre)**
[Acute monoblastic leukemia with chromosome 11 deletion and complex translocation] Cabrol C, et al. **J Genet Hum** 1983 Mar;31(1):37–8 **(Fre)**
[Translocation (8q–; 21q+) with loss of chromosome Y in

acute myeloblastic leukemia in children] Verellen-Dumoulin C, et al. **J Genet Hum** 1983 Mar; 31(1):57 **(Fre)**

[Maternal t(7 ;21) translocation. Balanced karyotype in the fetus (letter)] Colombies P, et al. **Presse Med** 1983 Dec 24;12(47):3005 **(Fre)**

[A case of anorchidism with translocation t(4;6)] Viguié F, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2253-5 (Eng. Abstr.) **(Fre)**

[Balanced translocation as one of the genetic causes of habitual abortion] Szabó J, et al. **Orv Hetil** 1984 Jan 8; 125(2):67-70 (Eng. Abstr.) **(Hun)**

[Maternal 5/10 translocation in a typical case of crying cat syndrome] Scatena P, et al. **Minerva Pediatr** 1984 Mar 31; 36(6):323-8 (Eng. Abstr.) **(Ita)**

[Chromosome translocations and the activation of C-myc oncogene in mouse plasmacytomas] Ohno S. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):587-96 (Eng. Abstr.) **(Jpn)**

[46,x,t(x;15)(q21;q22) gonadal dysgenesis] Aritaki S, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:59-62 **(Jpn)**

[Malignant lymphoma--recent progress in diagnosis and treatment. 2. Application of recent diagnostic analysis. (2). Cytogenetic approaches to the pathogenesis of lymphoid malignancies: proposal of 14q+ marker positive malignancy] Fukuhara S, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1312-7 **(Jpn)**

[Lymphoid crisis as an initial manifestation of adult-type chronic myelogenous leukemia with complex Ph1 translocation] Arakawa Y, et al. **Rinsho Ketsueki** 1983 Oct; 24(10):1408-14 (Eng. Abstr.) **(Jpn)**

[Chromosome analysis in malignant lymphomas] Edamura S, et al. **Rinsho Ketsueki** 1984 Feb;25(2):148-55 (Eng. Abstr.) **(Jpn)**

[A child of acute monoblastic leukemia with a 9/11 translocation] Hayashi Y, et al. **Rinsho Ketsueki** 1984 Jan; 25(1):87-91 (Eng. Abstr.) **(Jpn)**

[6 cases of acute myeloblastic leukemia with (8q-;1q+)] Ishikawa Y, et al. **Rinsho Ketsueki** 1983 Oct;24(10):1378-85 (Eng. Abstr.) **(Jpn)**

[Chromosomes in hematological malignancies--recent findings] Sakurai M. **Rinsho Ketsueki** 1984 May; 25(5):607-12 **(Jpn)**

[Plasma cell leukemia with 8/14 translocation.] Ichionoya S, et al. **Rinsho Ketsueki** 1983 Feb;24(2):169-75 (Eng. Abstr.) **(Jpn)**

[A case of acute promyelocytic leukemia associated with diabetes insipidus and chromosomal abnormality, t(8;17) (p22;q21)] Yashige H, et al. **Rinsho Ketsueki** 1984 May; 25(5):679-84 (Eng. Abstr.) **(Jpn)**

[Prenatal diagnosis in families of carriers of balanced chromosome aberrations] Mazurczak T, et al. **Ginekol Pol** 1983 Aug-Sep;54(8-9):553-7 (Eng. Abstr.) **(Pol)**

[Incorporation of C-14-glycine in vitro into normal human lymphocytes and those in cases of aberration of chromosome 21] Manikowska E. **Probl Med Wieku Rozwoj** 1979;8:117-32 (Eng. Abstr.) **(Pol)**

[Incorporation of H3-uridine in vitro into normal lymphocytes and those in cases of aberration of acrocentric chromosomes] Mataszewska K. **Probl Med Wieku Rozwoj** 1979;8:101-16 (Eng. Abstr.) **(Pol)**

[Cytogenetics of robertsonian translocations in mammals] Dëmin IuS, et al. **Dokl Akad Nauk SSSR** 1983 Sep-Oct; 272(1):204-7 **(Rus)**

[Effect of a Robertsonian translocation of 2 autosomes on the behavior of laboratory mice] Krushinskiĭ LV, et al. **Dokl Akad Nauk SSSR** 1984;276(6):1497-9 **(Rus)**

[Changes in ribosome compactness during translocation] Spirin AS, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1260-6 **(Rus)**

[Translocation of transposons Tn10 and Tn5 in the Yersinia pestis chromosome] Zarenkov MI, et al. **Genetika (Moskva)** 1983 Oct;19(10):1593-603 (Eng. Abstr.) **(Rus)**

[Chromosome aberrations in leukemia and lymphoma] Rouli DD. **Ter Arkh** 1983;55(8):30-5 **(Rus)**

[B-group chromosomal translocation without changes in the descendants in a case of progressive systemic sclerosis (letter)] López Ginés C, et al. **Med Clin (Barc)** 1983 Sep 10;81(6):275 **(Spa)**

DRUG EFFECTS

Specific chromosome translocation in pristane-induced plasmacytomas of NZB mice. Oikawa T, et al. **JNCI** 1984 Feb;72(2):347-53

Morphological and cytogenetic studies of dominant lethality induced by mitomycin C and cyclophosphamide in female germ cells. The use of Robertsonian translocations as a 'marker system' to identify the zygote pronuclei. Jacquet P, et al. **Mutat Res** 1984 Sep;128(2):181-94

Effect of saccharin on the induction of chromosomal translocations in male mice and their F1 offspring. Pečevski J, et al. **Toxicol Lett** 1983 Dec;19(3):267-71

RADIATION EFFECTS

Stem-spermatogonial survival and incidence of reciprocal translocations in the gamma-irradiated boar. Erickson BH, et al. **Environ Mutagen** 1984;6(2):219-27

Hyperthermia increases gamma ray- and fission neutron-induced translocations in Drosophila. Mittler S. **Environ Mutagen** 1984;6(3):371-3

Response of mouse spermatogonial stem cells to X-ray induction of heritable reciprocal translocations. Generoso WM, et al. **Mutat Res** 1984 Apr;126(2):177-87

Chemical protection against genetic effect of radiation in male mice. Pomerantseva MD, et al. **Mutat Res** 1984 Jun-Jul;140(2-3):131-5

Enhanced radiosensitivity for the induction of translocations in mouse stem cell spermatogonia following treatment with cyclophosphamide or adriamycin. van Buul PP. **Mutat Res** 1984 Sep;128(2):207-11

[Mutagenic action of tritium on the germ cells of male mice. II. The genetic damages in stem spermatogonia induced by tritium oxide and gamma radiation] Pomerantseva MD, et al. **Genetika (Moskva)** 1984 May;20(5):782-7 (Eng. Abstr.) **(Rus)**

TRANSMISSIBLE ENTERITIS OF TURKEYS see **ENTERITIS, TRANSMISSIBLE, OF TURKEYS**

TRANSMISSIBLE GASTROENTERITIS OF SWINE see **GASTROENTERITIS, TRANSMISSIBLE, OF SWINE**

TRANSPHOSPHORYLASES see **PHOSPHOTRANSFERASES**

TRANSPLANTATION

see related
HISTOCOMPATIBILITY TESTING
NEOPLASM TRANSPLANTATION
TISSUE DONORS
TISSUE PRESERVATION

Gastroenterology and the law. Cifarelli PS. **Am J Gastroenterol** 1984 Aug;79(8):666-7

Progress in organ transplantation: report of 1982 Eurotransplant Foundation Meeting, Leiden, Netherlands [letter] Fisher JC. **Ann Plast Surg** 1983 Aug;11(2):173-4

Organ transplantation. Dealing with technology. Poland V. **AORN J** 1984 May;39(6):1026-31

Nurses' response to transplants. A systems view. Schaal PG, et al. **AORN J** 1984 Jan;39(1):42-5

A four-variable model for the pattern-forming mechanism in Hydra. Sinha S, et al. **Biosystems** 1984;17(1):15-22

Is media hype necessary for organ transplants? Trent B. **Can Med Assoc J** 1984 Mar 15;130(6):774-80

Mechanical biocompatibility in transplantation [letter] Corsini F, et al. **Int J Artif Organs** 1984 May;7(3):167

Problems in the identification of potential organ donors. Misconceptions and fallacies associated with donor cards. Overcast TD, et al. **JAMA** 1984 Mar 23-30;251(12):1559-62

Organ transplantation: medico-legal considerations. Norton ML, et al. **Med Law** 1983;2(4):291-315

Transplantation surgery. Greifer I. **Mt Sinai J Med (NY)** 1984 Jan-Feb;51(1):52-3

Rabbinic comment: Transplantation surgery. Tendler MD. **Mt Sinai J Med (NY)** 1984 Jan-Feb;51(1):54-7

Organ transplants. Part one: Ohio physicians getting involved. Porter S. **Ohio State Med J** 1984 Jan;80(1):29-32

Proceedings of the European Dialysis and Transplant Association--European Renal Association. Twentieth Congress, London, England, 1983. **Proc Eur Dial Transplant Assoc** 1983;20:1-777

Increasing the supply of solid organs for transplantation. Koop CE. **Public Health Rep** 1983 Nov-Dec;98(6):566-72

The prospects for transplantation tolerance. Myburgh JA. **S Afr J Surg** 1983 Sep;21(3):127-34

You--a member of the transplant team [editorial] Scoville AB Jr. **South Med J** 1984 May;77(5):543-4

Third annual meeting of the Canadian Transplantation Society. **Transplant Proc** 1984 Aug;16(4):1069-145

Inaugural scientific congress of the Transplantation Society of Australia and New Zealand. **Transplant Proc** 1984 Aug; 16(4):925-1067

Transplantation in Australia and New Zealand. Hall BM, et al. **Transplant Proc** 1984 Aug;16(4):925-6

[New advances in organ transplantation in China] Xia SS. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):312-4 **(Chi)**

[Neurologic infectious complications in patients with transplants. Apropos of 8 cases] Chauvin M, et al. **Agressologie** 1983 Apr;24(4):139-42 (Eng. Abstr.) **(Fre)**

[Ethical contradiction of the therapeutic use of aborted fetuses and modern medical interventions (letter)] **Orv Hetil** 1984 Apr 8;125(15):919-20 **(Hun)**

[Basic principles of reconstructive and reparative surgery] **Sitka K. Rozhl Chir** 1984 Jun;63(6):377-83 **(Slo)**

ADVERSE EFFECTS

Cancer in organ transplant recipients [letter] Jones B. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1231

Premalignant and malignant skin lesions in renal transplant patients. Blohmé I, et al. **Transplantation** 1984 Feb; 37(2):165-7

ECONOMICS

Life and death in a policy vacuum. Friedman E, et al. **Hospitals** 1984 May 16;58(10):79-80

Organ transplants. Part two: Questions and controversy. Porter S. **Ohio State Med J** 1984 Jan;80(1):33, 37, 39

HISTORY

Gordon Murray Lecture. Organ transplantation and cyclosporin A. Calne RY. **Can J Surg** 1984 Jan;27(1):10-3

[1st clinical kidney transplant (on the 50th anniversary of the operation by the Soviet surgeon Iu. Iu. Voronoĭ)] Mirskiĭ MB. **Klin Med (Mosk)** 1983 Nov;61(11):147-9 **(Rus)**

METHODS

[Diagnosis of cerebral death and the taking of organs (letter)] Fries D, et al. **Presse Med** 1984 May 19;13(21):1340 **(Fre)**

PSYCHOLOGY

Picking up the pieces: the unsuccessful kidney transplant. Carosella J. **Health Soc Work** 1984 Spring;9(2):142-52

TRENDS

[Transplants in present society (editorial)] Santiago-Delpín EA. **Bol Asoc Med PR** 1984 Jan;76(1):2-3 **(Spa)**

TRANSPLANTATION, ALLOGENEIC see **TRANSPLANTATION, HOMOLOGOUS**

TRANSPLANTATION ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

TRANSPLANTATION, AUTOLOGOUS

Short-term preservation of human autografts. Cram AE, et al. **J Trauma** 1983 Oct;23(10):872-3

T lymphocyte reconstitution in long-term survivors after allogeneic and autologous marrow transplantation. Ueda M, et al. **Transplantation** 1984 Jun;37(6):552-6

[Granulocytic progenitors in bone marrow autografts] Maraninchi D, et al. **Nouv Rev Fr Hematol** 1983;25(4):235-9 (Eng. Abstr.) **(Fre)**

METHODS

Evaluation of technique for autotransplantation of the spleen in dogs. Sterchi JM, et al. **Am Surg** 1983 Nov;49(11):625-31

Current status of orthopaedic microsurgery in Japan. Personal experience and review of the literature. Tamai S. **Clin Orthop** 1984 Apr;(184):24-33

Free vascularized fibular transplant. A new method for monitoring circulation of the grafted fibula. Yoshimura M, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1295-301

Autologous bone marrow transplantation for human solid tumors. Knight WA 3d. **Tex Med** 1984 Jun;80(6):50-1

[Review for everyday surgery: method and technic of collecting skin transplants] Měšták J. **Rozhl Chir** 1983 Sep; 62(8-9):597-601 (Eng. Abstr.) **(Cze)**

[Bone marrow autograft. Current status and perspectives] Gorin NC. **Nouv Rev Fr Hematol** 1983;25(6):391-9 (61 ref.) **(Fre)**

[Influence of anatomical variations of the pancreatic artery on the surgical technic of segmental pancreas transplantation in dogs] Steiner E, et al. **Morphol Med** 1983 Sep;3(2):109-14 (Eng. Abstr.) **(Ger)**

[Primary clinical experience with heterotopic autologous transplantation of the spleen] Jekić M. **Acta Chir Iugosl** 1983;30(2):211-9 (Eng. Abstr.) **(Scr)**

VETERINARY

Use of an autogenous cancellous bone graft in the treatment of subchondral bone cysts in the medial femoral condyle of the horse. Kold SE, et al. **Equine Vet J** 1983 Oct; 15(4):312-6

TRANSPLANTATION, HETEROLOGOUS

Arterial umbilical cord as tubal replacement. A preliminary report. Pellicer A, et al. **Acta Eur Fertil** 1984 Jan-Feb; 15(1):31-7

Identification of human connective tissue in transplant of human oral mucosa in nude mice. Holmstrup P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):31-7

Clinical prediction of experimental chemotherapy of gynecological tumor xenografts. Kleine W. **Behring Inst Mitt** 1984 May;(74):337-42

Human colorectal tumor xenografts in nude mice: expression of malignancy. Sordat B, et al. **Behring Inst Mitt** 1984 May; (74):291-300

Transplant aspiration cytology for monitoring of kidney xenograft (wolf-dog) under cyclosporin A treatment. Danko I, et al. **Eur Surg Res** 1983;15(5):276-83

Transplantation of human cortex with Alzheimer's disease into rat occipital cortex; a model for the study of Alzheimer disease. van den Bosch de Aguilar P, et al. **Experientia** 1984 Apr 15;40(4):402-3

Radiosensitivity of the cells of an established human melanoma cell line and the parent melanoma xenograft. Rofstad EK, et al. **Int J Radiat Biol** 1983 Nov;44(5):447-54

Growth, morphology, and serial transplantation of anaplastic

human gliomas in athymic mice. Schold SC Jr, et al. **J Neurooncol** 1983;1(1):5–14

Xenogenous fertilization of goat ova in the rabbit oviduct. Rao VH, et al. **J Reprod Fertil** 1984 Jul;71(2):377–9

Early mechanical function in the heterotopic heart transplant. Alyono D, et al. **J Surg Res** 1984 Jul;37(1):55–62

Choriocarcinoma xenografts in the nude rat. Partridge CS, et al. **Lab Anim** 1984 Jul;18(3):261–4

Transplantation of cultured thymic fragments: results in nude mice. V. Reconstitution with xenogeneic (rat) thymic tissue. Manning JK, et al. **Scand J Immunol** 1984 May; 19(5):403–10

Recruitment of cytotoxic cells by ectopic grafts of xenogeneic, but not allogeneic, trophoblast. Croy BA, et al. **Transplantation** 1984 Jan;37(1):84–90

Primary integumentary xenograft reactivity in the American cockroach, Periplaneta americana. George JF, et al. **Transplantation** 1984 May;37(5):478–84

Reaction pattern of xenografted human salivary glands in nude mice. An immunohistological and autoradiographical study. Sendler A, et al. **Virchows Arch [A]** 1984;403(1):1–13

[Effect of preoperative radiation on the success rate in the transplantation of human kidney cancer into thymus-aplastic nude mice] Schuchhardt C, et al. **Strahlentherapie** 1984 Mar;160(3):180–3 (Eng. Abstr.) **(Ger)**

[Human yolk sac tumor of the thymus heterotransplanted into nude mice] Takao S, et al. **Gan No Rinsho** 1983 Oct; 29(12):1398–408 (Eng. Abstr.) **(Jpn)**

[Experimental studies on pancreatic islet xenotransplantation--effect of irradiation on xenografts survival] Nakajima Y. **Nippon Geka Gakkai Zasshi** 1983 Jun;84(6):545–55 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Progressive complications associated with the use of a bovine heterograft for vascular access] Guidoin R, et al. **Can J Surg** 1984 Jan;27(1):72–7 (Eng. Abstr.) **(Fre)**

VETERINARY

Cervical vertebral interbody fusion in the horse: a comparative study of bovine xenografts and autografts supported by stainless steel baskets. DeBowes RM, et al. **Am J Vet Res** 1984 Jan;45(1):191–9

Xenografts of articular chondrocytes in the nude mouse. Lipman JM, et al. **Calcif Tissue Int** 1983 Sep;35(6):767–72

TRANSPLANTATION, HOMOLOGOUS

Vascularized whole knee joint allografts in rabbits immunosuppressed with cyclosporin A. Siliski JM, et al. **Arch Orthop Trauma Surg** 1984;103(1):26–35

Cancer in organ transplant recipients: part of an induced immune deficiency syndrome [editorial] Sheil AG. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):659–61

Allogeneic marrow transplantation. Sullivan KM, et al. **Cancer Invest** 1984;2(1):27–38 (123 ref.)

Organ transplants: the costs of success. Caplan AL. **Hastings Cent Rep** 1983 Dec;13(6):23–32

Therapeutic homicide: a philosophic and Halakhic critique of Harris' 'survival lottery'. Leiman SZ. **J Med Philos** 1983 Aug;8(3):257–67

Organ transplant improvements, demands draw increasing attention [news] Gunby P. **JAMA** 1984 Mar 23–30; 251(12):1521–3, 1527

Promoting organs for transplantation [editorial] Koop CE. **JAMA** 1984 Mar 23–30;251(12):1591–2

Implied consent for cadaveric organ donation [editorial] Starzl TE. **JAMA** 1984 Mar 23–30;251(12):1592

Ethical and policy issues in the procurement of cadaver organs for transplantation. Caplan AL. **N Engl J Med** 1984 Oct 11;311(15):981–3

Shattuck lecture--allocating scarce medical resources and the availability of organ transplantation. Some moral presuppositions. Engelhardt HT Jr. **N Engl J Med** 1984 Jul 5;311(1):66–71

The politics of transplantation. Iglehart JK. **N Engl J Med** 1984 Mar 29;310(13):864–8

Organ transplantation [letter] Evans RW. **Science** 1983 Oct 21;222(4621):234

Orthotopic transplantation of aortic valve allografts. Early hemodynamic results. Yankah AC, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):92–5

Mechanisms of specific unresponsiveness to allografts. Hall BM. **Transplant Proc** 1984 Aug;16(4):938–43

Restoration of allograft responsiveness in B rats. II. Requirements for lymphoid populations and lymphokine. Lear PA, et al. **Transplantation** 1983 Oct;36(4):412–7

A microangiographic study of renal allograft rejection and the effects of immunosuppression in the rabbit. Terada Y, et al. **Transplantation** 1984 May;37(5):443–6

T lymphocyte reconstitution in long-term survivors after allogeneic and autologous marrow transplantation. Ueda M, et al. **Transplantation** 1984 Jun;37(6):552–6

[Brain death and organ transplantation] Mao CY, et al. **Chung Hua I Hsueh Tsa Chih** 1984 Jan;64(1):46–9 **(Chi)**

[Preservation and application possibilities of allogenic (homologous) transplants in the ear, nose and throat region] Kastenbauer ER. **HNO** 1983 Nov;31(11):371–80 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Intravenous immunoglobulin for modification of cytomegalovirus infections associated with bone marrow transplantation. Preliminary results of a controlled trial. Winston DJ, et al. **Am J Med** 1984 Mar 30;76(3A):128–33

Graft-versus-host disease: pathophysiological and clinical aspects. Deeg HJ, et al. **Annu Rev Med** 1984;35:11–24 (74 ref.)

Lethal graft-versus-host disease: modification with allogeneic cultured donor cells. Mauch P, et al. **Blood** 1984 May;63(5):1112–9

Venocclusive disease of the liver after bone marrow transplantation: diagnosis, incidence, and predisposing factors. McDonald GB, et al. **Hepatology** 1984 Jan–Feb; 4(1):116–22

Non-typhoid salmonella infections after renal transplantation. A serious clinical problem. Berk MR, et al. **Nephron** 1984; 37(3):186–9

Allogeneic bone marrow transplantation in leukemia. Kolb HJ. **Recent Results Cancer Res** 1984;93:269–89 (144 ref.)

Acquired hemolytic anemia due to 'auto'-anti-A or 'auto'-anti-B induced by group O homograft in renal transplant recipients. Mangal AK, et al. **Transfusion** 1984 May-Jun;24(3):201–5

Protection against hemolysis in ABO mismatched renal transplantation. Mangal AK, et al. **Transfusion** 1984 Jul-Aug;24(4):363–4

Carcinoma of the vulva in two young renal allograft recipients. Caterson RJ, et al. **Transplant Proc** 1984 Apr; 16(2):559–61

Obstructive lung disease after allogeneic bone marrow transplantation. Kurzrock R, et al. **Transplantation** 1984 Feb;37(2):156–60

A kidney transplant patient with hepatocellular carcinoma. Ono Y, et al. **Transplantation** 1984 Jun;37(6):620–1

Primary cytomegalovirus infection following cardiac transplantation in a murine model. Rubin RH, et al. **Transplantation** 1984 Mar;37(3):306–10

Perturbation of epidermal Langerhans cells in immunosuppressed human renal allograft recipients. Sontheimer RD, et al. **Transplantation** 1984 Feb; 37(2):168–74

Recovery of in vivo cellular immunity after human marrow grafting. Influence of time postgrafting and acute graft-versus-host disease. Witherspoon RP, et al. **Transplantation** 1984 Feb;37(2):145–50

Prolonged human cytomegalovirus viremia following bone marrow transplantation. Zaia JA, et al. **Transplantation** 1984 Mar;37(3):315–7

[Renovascular hypertension after kidney transplantation] Belorusov OS, et al. **Vestn Khir** 1984 Jan;132(1):122–4 **(Rus)**

ECONOMICS

Transplant and dialysis: the cost/benefit question. Blommers TJ, et al. **Iowa Med** 1984 Jan;74(1):15–7

HISTORY

History of bone marrow transplantation. Santos GW. **Clin Haematol** 1983 Oct;12(3):611–39

Landmark article Jan 28, 1956: Successful homotransplantation of the human kidney between identical twins. By John P. Merrill, Joseph E. Murray, J. Hartwell Harrison, and Warren R. Guild. **JAMA** 1984 May 18;251(19):2566–71

Kidney transplant pioneer John P. Merrill drowns [news] Gunby P. **JAMA** 1984 May 18;251(19):2491

Landmark perspective: The landmark identical twin case. Starzl TE. **JAMA** 1984 May 18;251(19):2572–3

Historical review of pancreatic islet transplantation. Downing R. **World J Surg** 1984 Apr;8(2):137–42

[Current progress in heart and lung transplantation] Juszczyński M. **Kardiol Pol** 1983;26(10):733–9 (11 ref.) **(Pol)**

[15 years of heart transplantation] Juszczyński M. **Pol Tyg Lek** 1983 May 9;38(19):615–8 (10 ref.) **(Pol)**

METHODS

Renal subcapsular islet cell transplantation. Toledo-Pereyra LH, et al. **Diabetes** 1984 Sep;33(9):910–4

The Cambridge and King's College Hospital experience of liver transplantation, 1968–1983. Rolles K, et al. **Hepatology** 1984 Jan–Feb;4(1 Suppl):50S–55S

Medical aspects of liver transplantation. Van Thiel DH, et al. **Hepatology** 1984 Jan–Feb;4(1 Suppl):79S–83S

A review of the current status and techniques of allogeneic bone marrow transplantation for treatment of leukaemia. Prentice HG. **J Clin Pathol** 1983 Nov;36(11):1207–14 (57 ref.)

Retransplantation of murine skin allografts: assessment of treatment effects on the allograft in the absence of effects on the host. Sugarbaker PH, et al. **J Immunol Methods** 1984 Sep 4;72(2):361–6

Multiple organ harvesting for transplantation. Toledo-Pereyra LH. **Surg Gynecol Obstet** 1984 Jun; 158(6):572–6

Bone marrow repopulation capacity after transplantation of lymphocyte-depleted allogeneic bone marrow using counterflow centrifugation. de Witte T, et al. **Transplantation** 1984 Feb;37(2):151–5

Successful small bowel allotransplantation in dogs with cyclosporine and prednisone. Diliz-Perez HS, et al. **Transplantation** 1984 Feb;37(2):126–9

Bone marrow transplantation in the cat. Haskins ME, et al. **Transplantation** 1984 Jun;37(6):634–6

Modification of allograft immunogenicity in perinatal islets isolated and purified in vitro. Hegre OD, et al. **Transplantation** 1984 Mar;37(3):227–33

Improved allograft survival using highly enriched populations of rat islets. Selawry HP, et al. **Transplantation** 1984 Feb;37(2):202–5

[Topographo-anatomical substantiation of heterotopic transplantation of a child's liver to an adult recipient] Margulis MS, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):84–8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Neuropsychiatric status after liver transplantation. Tarter RE, et al. **J Lab Clin Med** 1984 May;103(5):776–82

TRENDS

Kidney transplantation trends from UCLA registry Data, 1975–1982. Perdue ST, et al. **Transplantation** 1983 Dec; 36(6):658–65

TRANSPLANTATION IMMUNOLOGY

see related
HISTOCOMPATIBILITY TESTING
IMMUNOSUPPRESSION

Monitoring of suppressor cell activity in nine renal transplant patients. Petri I, et al. **Acta Chir Hung** 1984;25(2):119–23

Studies on non-specific anergy after orthotopic liver transplantation in rat. Andrzejewski W, et al. **Acta Med Pol** 1982;23(1–2):1–8

Ability of spleen cells from tumor bearing mice to transfer immunologic memory. Plavšić B, et al. **Acta Radiol [Oncol]** 1983;22(5):385–8

Enhanced tumorigenicity of cloned UV-regressor tumor lines following selected in vivo and in vitro manipulations. Schmitt MK, et al. **Am J Pathol** 1983 Dec;113(3):269–78

Flow cytometric analysis of T cells: diagnostic applications in transplantation. Colvin RB. **Ann NY Acad Sci** 1984; 428:5–13 (40 ref.)

Use of flow microfluorometry in bone marrow transplantation. Martin PJ, et al. **Ann NY Acad Sci** 1984; 428:14–25

Sequential changes in NK and ADCC effector cell function after organ transplantation in man. Hegarty JH, et al. **Biomed Pharmacother** 1983;37(6):266–70

Cancer in organ transplant recipients: part of an induced immune deficiency syndrome [editorial] Sheil AG. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):659–61

Suppressor cells in the thoracic duct lymph of tolerant, spleen-grafted rats. Stepkowski SM, et al. **Can J Surg** 1984 Jan;27(1):22–4

Allogeneic marrow transplantation. Sullivan KM, et al. **Cancer Invest** 1984;2(1):27–38 (123 ref.)

Bone marrow transplantation. **Clin Haematol** 1983 Oct; 12(3):611–837

Cyclosporine immunosuppression. Canafax DM, et al. **Clin Pharm** 1983 Nov-Dec;2(6):515–24 (116 ref.)

Practical therapeutics: immunosuppressives available in renal transplantation. Otieno LS, et al. **East Afr Med J** 1983 Jul; 60(7):515–8

Pecking order among tumor-specific antigens. Urban JL, et al. **Eur J Immunol** 1984 Feb;14(2):181–7

Serological interactions among sera of human renal graft recipients. Morito T, et al. **Immunol Commun** 1984; 13(2):173–9

Intragraft rejection mechanism. **Immunol Rev** 1984;77:1–232

Immuno-selection in vivo of H-2D phenotypic variants from a metastatic clone of sarcoma cells results in cell lines of altered metastatic competence. Katzav S, et al. **Int J Cancer** 1984 Mar 15;33(3):407–15

Generation of crossreacting tumor antigens in ascitic derivatives from murine methylcholanthrene-induced sarcomas. Law LW. **Int J Cancer** 1984 Apr 15;33(4):547–51

Effects on metastases of drug therapy during developing and established tumor immunity. Vaage J, et al. **Int J Cancer** 1983 Dec 15;32(6):759–63

Adoptive transfer of immunity to intraocular tumors in mice. Niederkorn JY, et al. **Invest Ophthalmol Vis Sci** 1984 Mar; 25(3):336–42

Skin graft rejection after allogeneic tooth transplants in mice. Riviere GR. **J Dent Res** 1984 Jan;63(1):41–3

Lymphoproliferative response to dentogingival plaque sonicate of renal transplant recipients. Toliefsen T, et al. **J Periodont Res** 1983 May;18(3):321–9

Regulation of immune responses in SJL and F1 hybrid mice by gamma-irradiated syngeneic lymphoma cells. Katz IR, et al. **JNCI** 1984 Jan;72(1):125–32

Macrophage inflammatory responses in rats and mice with autochthonous and transplanted tumors induced by 3-methylcholanthrene. Normann SJ, et al. **JNCI** 1984 Jan; 72(1):175–84

Peripheral nerve allograft: an immunological assessment of pretreatment methods. Mackinnon SE, et al. **Neurosurgery** 1984 Feb;14(2):167–71

Natural resistance to foreign hemopoietic transplants: a possible model of leukemia surveillance. Lotzová E, et al.

Prog Clin Biol Res 1983;132C:125–35
The prospects for transplantation tolerance. Myburgh JA. **S Afr J Surg** 1983 Sep;21(3):127–34
Inaugural scientific congress of the Transplantation Society of Australia and New Zealand. **Transplant Proc** 1984 Aug; 16(4):925–1067
Third annual meeting of the Canadian Transplantation Society. **Transplant Proc** 1984 Aug;16(4):1069–145
Monitoring and monoclonal antibodies. **Transplant Proc** 1983 Sep;15(3):1937–92
Autoimmunity and autoregulation. **Transplant Proc** 1983 Sep; 15(3):1849–78
Immunoregulatory circuits. **Transplant Proc** 1983 Sep; 15(3):1751–83
Third International Symposium on Immunological Monitoring of the Transplant Recipient. Miami Florida Communications. **Transplant Proc** 1983 Sep; 15(3):1749–2005
The First International Congress on Cyclosporine. May 16–19, 1983, Houston, Texas. **Transplant Proc** 1983 Dec; 15(4 Suppl 1–2):2207–3187
Cyclosporine: nursing and paraprofessional aspects. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):3109–83
Induction of tolerance using ultraviolet–irradiated cells. Agostino M, et al. **Transplant Proc** 1984 Aug;16(4):959–60
Lymphocyte monitoring in renal transplantation. Burton RC. **Transplant Proc** 1984 Aug;16(4):983–7
Mechanisms of tolerance in marrow transplantation. Deeg HJ, et al. **Transplant Proc** 1984 Aug;16(4):933–7
Antithymocyte globulin therapy after renal transplantation at the Massachusetts General Hospital. Delmonico FL. **Transplant Proc** 1984 Aug;16(4):979–82
Mechanisms of specific unresponsiveness to allografts. Hall BM. **Transplant Proc** 1984 Aug;16(4):938–43
Immunohistologic analysis of the cell surface antigens of human dendritic cells using monoclonal antibodies. Hancock WW, et al. **Transplant Proc** 1984 Aug;16(4):963–7
Modification of immunogenicity in perinatal islets isolated and purified in vitro. Hegre OD, et al. **Transplant Proc** 1984 Aug;16(4):1057–8
Experience with cyclosporine and prednisone as immunosuppressants in 36 renal transplants. Kovithavongs T, et al. **Transplant Proc** 1984 Aug;16(4):1083–5
Transplant monitoring with monoclonal antibodies to human T cell subsets by 51Cr release in complement–dependent cytotoxicity (CDC–Cr): a preliminary study. Kovithavongs T, et al. **Transplant Proc** 1984 Aug;16(4):1093–6
Current status of experimental islet transplantation. Lafferty KJ, et al. **Transplant Proc** 1984 Jun;16(3):813–9
Control of diabetes: comparative immunogenicity and function of fetal pancreas and isolated islets. Simeonovic CJ, et al. **Transplant Proc** 1984 Aug;16(4):1064–5
Suppressor cells and their role in the survival of immunologically enhanced rat kidney allografts. Batchelor JR, et al. **Transplantation** 1984 Jan;37(1):43–6
Expression of OKT 8 antigen and Fc gamma receptors by suppressor cells mediating specific unresponsiveness between recipient and donor in renal–allograft–tolerant patients. Charpentier BM, et al. **Transplantation** 1983 Nov; 36(5):495–501
Primary integumentary xenograft reactivity in the American cockroach, Periplaneta americana. George JF, et al. **Transplantation** 1984 May;37(5):478–84
Isolated pancreatic islet allografts in rats rendered immunologically unresponsive to renal allografts. The effect of the site of transplantation. Gray DW, et al. **Transplantation** 1984 May;37(5):434–7
Absence of transplantation tolerance and strong sensitization in the host after transplantation of spleen allografts in the (LEW X BN)F1 leads to lew strain combination. Gugenheim J, et al. **Transplantation** 1983 Oct;36(4):470–1
Cold–reactive alloantibodies and allograft malfunction occurring immediately posttransplant. Lobo PI, et al. **Transplantation** 1984 Jan;37(1):76–81
Significant reduction of sensitization and improved allograft outcome with donor–specific buffy coat transfusion. Okazaki H, et al. **Transplantation** 1984 May;37(5):523–5
Natural cell–mediated cytotoxicity and skin cancer in long–term renal allograft recipients. Rigby RJ, et al. **Transplantation** 1984 May;37(5):526–9
Migration patterns of lymphocytes from recipients of organ allografts. II. The enhanced host. Rowinski WA, et al. **Transplantation** 1983 Oct;36(4):467–9
Enforcement of specific unresponsiveness by the long–term presence of allogeneic heart grafts. Sakamoto K, et al. **Transplantation** 1984 Jan;37(1):97–100
Major histocompatibility complex restriction and transplantation immunity. A possible solution to the allograft problem. Silvers WK, et al. **Transplantation** 1984 Jan;37(1):28–32
Specificity of transplantation heterophile antibodies. Tamura T, et al. **Transplantation** 1984 May;37(5):475–8
H–Y antibodies recognize the H–Y transplantation antigen. Wachtel GM, et al. **Transplantation** 1984 Jan;37(1):8–13
Tolerance and the H–Y antigen: Requirement for male T cells, but not B cells, to induce tolerance in neonatal female mice. Weissman IL, et al. **Transplantation** 1984 Jan; 37(1):3–6
Immunogenetic basis of acquired transplantation tolerance. Wood PJ, et al. **Transplantation** 1984 Mar;37(3):223–6 (33 ref.)
Immunogenetic considerations in islet transplantation: the role of Ia antigens in graft rejection. Bach FH, et al. **World J Surg** 1984 Apr;8(2):204–6
Experimental immuno–alteration. Lacy PE. **World J Surg** 1984 Apr;8(2):198–203
Theory and practice of immunoregulation by tissue treatment prior to transplantation. Lafferty KJ, et al. **World J Surg** 1984 Apr;8(2):187–97
[HLA and tissue transplantation. 1. The immunologic problems of allografting preserved cadaver bone] Minev M, et al. **Khirurgiia (Sofiia)** 1983;36(3):262–6 (8 ref.) **(Bul)**
[Immunologic reactions following heart transplantation and their detection] Hammer C, et al. **Fortschr Med** 1983 Nov 24;101(44):2041–3 (Eng. Abstr.) **(Ger)**
[Antigen–specific rosette inhibition test with autologous serum—a possibility for the detection of blocking factors in chronic rejection of allogeneic orthotopic kidney transplants] Werner M, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(3):189–99 (Eng. Abstr.) **(Ger)**
[The pretransplant blood transfusion effect revisited (editorial)] Jacob ET. **Harefuah** 1984 Feb 15;106(4):184–5 **(Heb)**
[Analysis of specific cellular immunity in renal transplant recipients by MLR & CML] Seki Y. **Nippon Geka Gakkai Zasshi** 1983 Jun;84(6):488–99 (Eng. Abstr.) **(Jpn)**
[Dynamics of tissue reactions after allotransplantation of a full–thickness skin flap in mice. Immunocompetent cells in the graft bed] Gololobov VG. **Arkh Anat Gistol Embriol** 1984 May;86(5):85–91 (Eng. Abstr.) **(Rus)**
[Immunocompetent cells in the beds of full–thickness skin allografts transplanted at various times of the day] Gololobov VG. **Biull Eksp Biol Med** 1984 Jan;97(1):91–3 (Eng. Abstr.) **(Rus)**
[Hybrid resistance in a long–term bone marrow culture and in foci of ectopic hematopoiesis formed in the culture] Gurevich OA, et al. **Biull Eksp Biol Med** 1984 Apr; 97(4):466–8 (Eng. Abstr.) **(Rus)**
[Prognostic significance of antilymphocyte antibodies in a perivital kidney allograft] Savchenko NE, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):3–6 (Eng. Abstr.) **(Rus)**
[Complement–binding antikidney antibodies in allotransplantation of the cadaveric kidney] Drannik GN, et al. **Vrach Delo** 1983 Aug;(8):56–9 (Eng. Abstr.) **(Rus)**
[Graft rejection. Present status of knowledge] Cremaschi GA, et al. **Medicina (B Aires)** 1983;43(3):336–41 **(Spa)**

DRUG EFFECTS

Gordon Murray Lecture. Organ transplantation and cyclosporin A. Calne RY. **Can J Surg** 1984 Jan;27(1):10–3
Cyclosporin a: a new era in organ transplantation. DeBakey ME. **Compr Ther** 1984 Feb;10(2):7–15 (38 ref.)
Cyclosporin A: pharmacologic activity on the immune system and effects in clinical organ transplantation. Block LH, et al. **Klin Wochenschr** 1983 Nov 2;61(21):1053–62
Successful transplantation across major histocompatibility barrier of deoxyguanosine–treated embryonic thymus expressing class II antigens. Ready AR, et al. **Nature** 1984 Jul 19–25;310(5974):231–3
Cyclosporine. Liver and pancreas transplantation. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2582–612
Cyclosporine conversion and use as adjunctive therapy. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2855–95
Cyclosporine. Cell–mediated immunity. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2287–379
Cyclosporine. Experimental transplantation. Liver, pancreas, intestine. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2983–3034
Cyclosporine. Kidney transplantation. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2459–545
Cyclosporine. Bone marrow transplantation. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2613–37
Cyclosporine. Experimental transplantation. Heart and lung. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2956–82
Cyclosporine. Heart and lung transplantation. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2546–81
Cyclosporine. Experimental transplantation. Bone marrow. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):3035–49
Cyclosporine. Experimental transplantation. Kidney. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2933–55
Interaction between phenytoin and cyclosporine following organ transplantation. Keown PA, et al. **Transplantation** 1984 Sep;38(3):304–6
Inhibition of the accumulation, in rat kidney allografts, of specific—but not nonspecific—cytotoxic cells by cyclosporine. Mason DW, et al. **Transplantation** 1984 Jan; 37(1):46–51
[Comparative study of the effects of carminomycin 13–cyclohexylidenehydrazone and carminomycin on several immunologic responses of the body] Malkova IV, et al. **Antibiotiki** 1984 May;29(5):374–7 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION, ISOGENEIC

Transplantation of chromosomally marked syngeneic marrow cells into mice not subjected to hematopoietic stem cell depletion. Saxe DF, et al. **Exp Hematol** 1984 May; 12(4):277–83

METHODS

Application of bone marrow transplantation in chronic granulocytic leukaemia. Goldman JM, et al. **Clin Haematol** 1983 Oct;12(3):739–53 (50 ref.)
Depletion of reserve in the hemopoietic system: III. Factors affecting the serial transplantation of bone marrow. Wolf NS, et al. **Exp Hematol** 1983 Sep;11(8):762–71
Simultaneous transplantation of kidney and duct–ligated segmental pancreas in the rat. En bloc technique using two vascular anastomoses. Marni A, et al. **Transplantation** 1984 Jun;37(6):544–7

TRANSPLANTATION, SYNGENEIC see **TRANSPLANTATION, ISOGENEIC**

TRANSPORT, BIOLOGICAL see **BIOLOGICAL TRANSPORT**

TRANSPORT OF WOUNDED AND SICK see **TRANSPORTATION OF PATIENTS**

TRANSPORT PROTEINS see **CARRIER PROTEINS**

TRANSPORTATION

Moped injuries. McHugh TP, et al. **Ann Emerg Med** 1984 Jan;13(1):35–9
South east Peru II: Delivery of primary medical care by hovercraft along the Apurimac river. Arrow L, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):376–8
The risks and problems connected with the import and export of captive birds. Ashton WL. **Br Vet J** 1984 Jul–Aug; 140(4):317–27
The effect of assembly and transit stressors on plasma fibrinogen concentration of beef calves. Phillips WA. **Can J Comp Med** 1984 Jan;48(1):35–41
Cooling of motorcyclists in various clothing during winter in Britain. Woods RI. **Ergonomics** 1983 Sep;26(9):847–61
Lower limb injuries in motorcycle accidents. Craig GR, et al. **Injury** 1983 Nov;15(3):163–6
The bus driver syndrome: a Belfast phenomenon. Mackey EA. **Ir Med J** 1983 Dec;76(12):492–3
Assessing raters' policies in evaluating proposed services for transporting the physically handicapped. Allen JS, et al. **J Appl Psychol** 1984 Feb;69(1):3–11
Physiological limits of locomotive drivers on successive night shifts in the People's Republic of China. Xia WS, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:393–8
Job satisfaction, counterproductive behavior and circumstantial drug use among long–distance truckers. Guinn B. **J Psychoactive Drugs** 1983 Jul–Sep;15(3):185–8
A move to a health centre: the effect on home visiting, repeat prescribing and patients' choice of transport. Jacob A, et al. **J R Coll Gen Pract** 1984 Jul;34(264):381–5
Death and injury patterns, Toronto Subway System 1954–1980. Johnston DW, et al. **J Trauma** 1984 Jul; 24(7):619–22
Tail lesions in C3H/He mice. Koopman JP, et al. **Lab Anim** 1984 Apr;18(2):106–9
Public transportation instruction: comparison of classroom instruction, community instruction, and facility–grounds instruction. Marchetti AG, et al. **Ment Retard** 1984 Jun; 22(3):128–36
You can promote safe transportation. **Tex Med** 1983 Sep; 79(9):9
Stress of transportation for broilers. Freeman BM, et al. **Vet Rec** 1984 Mar 24;114(12):286–7
Choice of health service transport. Gish O. **WHO Offset Publ** 1983;72:73–84
[Bilateral crural paralysis during a ride on a motorcycle (letter)] Gueguen B, et al. **Presse Med** 1983 Nov 5; 12(39):2463 **(Fre)**
[Development of animal draught and evolution of pastoral systems in Siné Saloum, Senegal (1970–1981)] Lhoste P. **Rev Elev Med Vet Pays Trop** 1983;36(3):291–300 (Eng. Abstr.) **(Fre)**
[Changes of altitude in cable cars. Cardiovascular effects on healthy subjects] Contat H, et al. **Schweiz Rundsch Med Prax** 1984 Mar 13;73(11):347–50 (Eng. Abstr.) **(Fre)**
[Biomechanical model for the transport of refuse containers over side–walk curbs] Jäger M, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Aug;33(8):252–9 (Eng. Abstr.) **(Ger)**
[Premature labor among women working in special care departments. I. Commuting to work] Zdziennicki A. **Ginekol Pol** 1983 Aug–Sep;54(8–9):543–7 (Eng. Abstr.) **(Pol)**
[Hygienic problems of using diesel engines in vehicular transport] Lifliand LM. **Gig Sanit** 1983 Jun;(6):66–8 (12 ref.) **(Rus)**
[Sanitary and bacteriological studies of the air in the Metro] Berezkina GN, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):42–4 **(Rus)**
[Working conditions in the manufacture and use of asphalt concrete for the construction of automobile roads] Povarov AV, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):45–6 **(Rus)**

ECONOMICS

Transportation expense deductions. Streich AJ. **Conn Med** 1984 Mar;48(3):175–7

Transportation expense deductions. Streich AJ. **Md State Med J** 1983 Nov;32(11):843–5

Transportation expense deductions. Rulings of the IRS generally are based on tax court decisions. Streich AJ. **RI Med J** 1983 Oct;66(10):429–31

HISTORY

[Sanitary conditions of transportation in the past] Nikodemusz I. **Orv Hetil** 1984 Apr 29;125(18):1084–5 (Hun)

[History of organization of state sanitary control of water transport in the RSFSR] Semenov SV. **Gig Sanit** 1984 Jan;(1):36–8 (Eng. Abstr.) (Rus)

METHODS

Physiological responses and effects on meat quality in reindeer (Rangifer tarandus) transported on lorries. Hanssen I, et al. **Acta Vet Scand** 1984;25(1):128–38

TRANSPORTATION OF PATIENTS

Mechanical vibration and sound levels experienced in neonatal transport. Campbell AN, et al. **Am J Dis Child** 1984 Oct;138(10):967–70

Fit to fly. Saletta AL, et al. **Am J Nurs** 1984 Apr;84(4):462–5

L.A. Saver: a complete team approach incorporated into a hospital-based program. Carraway RP, et al. **Am Surg** 1984 Apr;50(4):173–82

Evaluation of an emergency air transport service as a component of a rural EMS system. Urdaneta LF, et al. **Am Surg** 1984 Apr;50(4):183–8

Measuring the mean arterial pressure during transfer of patients [letter] Hill SL. **Anaesthesia** 1984 Mar;39(3):289–90

Severity of illness and injury in pediatric air transport. Mayer TA, et al. **Ann Emerg Med** 1984 Feb;13(2):108–11

Predicting the utilization of helicopter emergency medical services: an approach based on need. Rhee KJ, et al. **Ann Emerg Med** 1984 Oct;13(10):916–23

Airway management in the transfer of the unconscious patient. Robinson N, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):372–3

Transport of the surgical neonate. Spitz L, et al. **Arch Dis Child** 1984 Mar;59(3):284–8

Transport of newborn infants. Greenacre T. **Aust Fam Physician** 1984 May;13(5):372, 374

Pitfalls of aeromedical evacuation. Ingham PN. **Aust Fam Physician** 1983 Dec;12(12):881–3

Role of the intensive care ambulance in the transport of accident victims. Compton J, et al. **Aust NZ J Surg** 1983 Oct;53(5):435–8

Neurological injuries in South Australia: the influence of distance on management and outcome. Simpson D, et al. **Aust NZ J Surg** 1984 Feb;54(1):29–35

Dangers of transporting sick children by air [letter] Raffles A, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):322

In-utero transport. Knox GE, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):11–6

Evaluation of two devices for improving thermal control of premature infants in transport. LeBlanc MH. **Crit Care Med** 1984 Jul;12(7):593–5

Solid-state oxygen for use in emergency evacuation of neonates [letter] Unfer SM, et al. **Crit Care Med** 1984 May; 12(5):475–7

Evacuation: anatomy of an emergency plan. Mayes A. **Dimens Health Serv** 1984 Jan;61(1):13–5

Gander flood spurs an emergency evacuation. Walsh C. **Dimens Health Serv** 1984 Jan;61(1):30–1

Military assistance to safety and traffic (MAST) helicopter medical evaluation (MEDEVAC). Utilization on the Island of Oahu—July 1, 1974, and December 31, 1978—a 4 1/2-year study. Arkoff S, et al. **Hawaii Med J** 1984 Jun; 43(6):200, 202, 204, passim

The provision of patient-lifting equipment in residential accommodation in the Lothian Region. Rollett PJ. **Health Bull (Edinb)** 1984 Jul;42(4):219–25

Comparative mortality and morbidity of infants transferred in utero or postnatally. Lamont RF, et al. **J Perinat Med** 1983;11(4):200–3

Maternal-fetal transport. A nurse team. Reedy NJ, et al. **JOGN Nurs** 1984 Mar–Apr;13(2):91–100

CCU network as primary care of acute myocardial infarction. Takano T, et al. **Jpn Circ J** 1984 Jul;48(7):690–7

Age at death used to assess the effect of interhospital transfer of newborns. Paneth N, et al. **Pediatrics** 1984 Jun; 73(6):854–61

Neonatal transport in Georgia: implications for maternal transport in high-risk pregnancies. Sachs BP, et al. **South Med J** 1983 Nov;76(11):1397–400

[Practical management in the transport of patients on international flights] Hagelsten JO. **Ugeskr Laeger** 1984 Apr 9;146(15):1111–4 (Eng. Abstr.) (Dan)

[Primary transportation of acute patients. Optimal use of rescue measures using as an example the canton of Graubünden] Matter P, et al. **Helv Chir Acta** 1984 Jun; 51(2):157–60 (Eng. Abstr.) (Ger)

[Transport of newborn infants with surgical diseases] Gräfe G, et al. **Kinderarztl Prax** 1983 Jun;51(6):274–9 (Eng. Abstr.) (Ger)

[Regulations concerning the emergency transportation of the severely ill and injured] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1982 Jan–Dec;47(1–4):11–9 (Eng. Abstr.) (Ita)

[A gurney chair] Trushelkina VI, et al. **Med Tekh** 1984 May–Jun;(3):53–4 (Rus)

[First aid to burn victims and their transportation from the regions of mass casualties] Dolinin VA, et al. **Voen Med Zh** 1983 Jul;(7):61–3 (Rus)

[Prevention of wound complications during the transportation of patients] Kuz'min KP. **Voen Med Zh** 1983 Jul;(7):22–5 (Rus)

[Organizational basis for triage of the wounded under present-day conditions] Lobanov GP. **Voen Med Zh** 1984 May;(5):19–25 (Rus)

[Organization of the medical evacuation of the wounded and sick in a mountain-desert locale (1)] Sidel'nikov AI. **Voen Med Zh** 1984 Jun;(6):11–5 (Rus)

ECONOMICS

Military neonatal transport and intensive care—effective and cost effective. Bell RE, et al. **Milit Med** 1984 Mar; 149(3):143–5

HISTORY

[Experience with hospital trains with regard to transmissible diseases during World War II] Bak M. **Orv Hetil** 1983 Oct 16;124(42):2568–70 (Eng. Abstr.) (Hun)

[Various problems of the preparation and organization of the activities of sanitary-transportation ships during World War II] Baranovskiĭ GIa, et al. **Voen Med Zh** 1984 May; (5):25–8 (Rus)

[Characteristics of the medical evacuation of the wounded and sick in the Byelorussian operation] Baranovskiĭ GIa, et al. **Voen Med Zh** 1984 Jul;(7):16–8 (Rus)

[Evacuation of the wounded and sick by river transport during World War II] Germanov GP. **Voen Med Zh** 1983 Sep;(9):9–11 (Rus)

METHODS

Transport of the sick neonate. Carter KW, et al. **J Fla Med Assoc** 1983 Sep;70(9):774–8

Development and evaluation of a statewide communication and referral system (CARE line). Curran JS, et al. **J Fla Med Assoc** 1983 Sep;70(9):768–71

Thoracic and abdominal injuries in skiers: the role of air evacuation. Jurkovich GJ, et al. **J Trauma** 1983 Sep; 23(9):844–8

Mercy flights. Lane JC, et al. **Med J Aust** 1983 Oct 1; 2(7):311–4

Helicopter utilization. Rowley S. **Med J Aust** 1983 Oct 1; 2(7):300–1

[Adaptability of respirators to transportation] Jannière D, et al. **Agressologie** 1984 Feb;25(2):115–9 (Eng. Abstr.) (Fre)

[Accident on an oil-drilling platform at sea 6000 km from France: anesthesia and resuscitation of 23 seriously burned persons during air transport] Cara M, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):445–50 (Eng. Abstr.) (Fre)

[A functional trolley for the transportation of patients] Semenov SE. **Med Tekh** 1984 Mar–Apr;(2):62–3 (Rus)

[Transport immobilization of the multiply injured] Abdrakhmanov AZh. **Ortop Travmatol Protez** 1983 Oct; (10):64–5 (Rus)

[Technical equipment used in foreign armies for the transportation of the wounded] Filippov VA, et al. **Voen Med Zh** 1983 Sep;(9):73–6 (Rus)

[Methods of placement of neurosurgical wounded and patients during evacuation] Pustovoĭtenko VT. **Voen Med Zh** 1983 Nov;(11):59–60 (Rus)

STANDARDS

Evaluation of an emergency cardiac transport system. Gore JM, et al. **Ann Emerg Med** 1983 Nov;12(11):675–8

Transport of irradiated or radioactively contaminated patients to the hospital. Ricks RC. **Bull NY Acad Med** 1983 Dec;59(10):1108–18

A prospective study of nurse-supervised versus physician-supervised neonatal transports. Cook LJ, et al. **JOGN Nurs** 1983 Nov–Dec;12(6):371–6

VETERINARY

Constructing an inexpensive small animal stretcher. McDonald GC. **Mod Vet Pract** 1984 May;65(5):389

TRANSPOSABLE ELEMENTS see **DNA INSERTION ELEMENTS**

TRANSPOSITION OF GREAT VESSELS

Aortic atresia with double inlet left ventricle, rudimentary left sided right ventricle, and ventriculoarterial discordance. Bullaboy CA, et al. **Br Heart J** 1984 Sep; 52(3):349–51

COMPLICATIONS

Coronary arterial revascularization in an adult with congenitally corrected transposition. Jennings HS 3d, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):598–600

Congenital unilateral pulmonary vein stenosis complicating transposition of the great arteries. Vogel M, et al. **Am J Cardiol** 1984 Jul 1;54(1):166–71

Severe superior vena cava syndrome and hydrocephalus after the Mustard procedure: findings and a new surgical approach. Coulson JD, et al. **Circulation** 1984 Sep;70(3 Pt 2):I47–53

Congenitally corrected transposition of the great arteries. Pillai VR, et al. **Indian Heart J** 1983 May–Jun;35(3):156–60

Right bundle branch block in complete transposition. Kashani IA, et al. **Int J Cardiol** 1984 Jan;5(1):29–37

The surgical management of left ventricular outflow tract obstruction due to tricuspid valve pouch in complete transposition of the great arteries. Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):66–73

Pulmonary vascular disease in transposition of the great arteries and 'protected' lungs [letter] Sanchez GR, et al. **Pediatr Cardiol** 1983 Oct–Dec;4(4):301–3

[Truncular auriculo-ventricular block disclosing isolated corrected transposition of great vessels] Bernard Y, et al. **Arch Mal Coeur** 1984 May;77(5):581–5 (Eng. Abstr.) (Fre)

[Corrected transposition of the great vessels associated with severe pulmonary stenosis in a 59-year-old man] Mori F, et al. **G Ital Cardiol** 1983;14(1):57–61 (Eng. Abstr.) (Ita)

[Occlusion of the brachial and ulnar arteries caused by thrombosis in 2 children with congenital defects of the cardiovascular system] Ritter A, et al. **Pediatr Pol** 1983 Aug–Sep;58(8–9):721–5 (Pol)

[Mitral atresia associated with transposition of great arteries, with well developed left ventricle. Clinical and angiographic analysis and results of atrial septostomy] Atik E, et al. **Arq Bras Cardiol** 1983 Sep;41(3):207–10 (Eng. Abstr.) (Por)

[Bronchopulmonary anastomoses and early pulmonary hypertension in complete transposition of great vessels] Franco Zapata JM, et al. **Rev Esp Cardiol** 1984 Mar–Apr; 37(2):133–6 (Eng. Abstr.) (Spa)

[Mitral valve abnormalities associated with ventriculo-arterial discordance] García-Torres A, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):277–81 (Eng. Abstr.) (Spa)

DIAGNOSIS

Criteria for two-dimensional echocardiographic diagnosis of atrioventricular and ventriculo-arterial discordance, and associated anomalies. Pizzuto F, et al. **Boll Soc Ital Cardiol** 1982;27(7):621–33

Double outlet left ventricle with intact ventricular septum. Beitzke A, et al. **Int J Cardiol** 1984 Feb;5(2):175–83

Correlation of two-dimensional echocardiographic and autopsy findings in complete transposition of the great arteries. Daskalopoulos DA, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1151–7

Understanding malpositions: non-invasive diagnosis. Shah CV, et al. **J Assoc Physicians India** 1984 Apr;32(4):357–64

Transposition of the great arteries: demonstration and palliative measures. McDonald JR. **Radiography** 1984 May–Jun;50(591):87–91

[Diagnostic problems in atresia and hypoplasia of the aortic arch with systemic right ventricle] Olczykowska-Siara E, et al. **Pediatr Pol** 1983 Jun;58(6):537–42 (Pol)

[2-dimensional echocardiography in the diagnosis of complete transposition of the great vessels in children under 1-year old] Zubkova GA, et al. **Pediatriia** 1984 May; (5):24–7 (Eng. Abstr.) (Rus)

[Complete cardiac catheterization by arterial route and retrograde interauricular route: an effective alternative for angiohemodynamic studies. Experience in 6 cases] Herraiz JI, et al. **Rev Esp Cardiol** 1984 Mar–Apr;37(2):104–10 (Eng. Abstr.) (Spa)

PATHOLOGY

Mesangiolysis in the glomerular lesion of cyanotic congenital heart disease. Sata T, et al. **Acta Pathol Jpn** 1983 Nov; 33(6):1205–13

Echocardiographic evaluation of left ventricular outflow tract obstruction in complete transposition of the great arteries. Vitarelli A, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):531–8

Morphologic features of an intact ventricular septum susceptible to subpulmonary obstruction in complete transposition. Chiu IS, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1633–8

Complete transposition of the great arteries and coarctation of the aorta. Vogel M, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1627–32

Complete transposition. The significance of describing separately connexions, arterial relationships and infundibular morphology. Anderson RH, et al. **Int J Cardiol** 1984 Jan;5(1):19–20

Transposition of the great arteries with posterior aorta and subaortic conus: anatomical and surgical correlation. Büchler JR, et al. **Int J Cardiol** 1984 Jan;5(1):13–8

The location and course of the atrioventricular conduction system in common atrioventricular orifice and in its related anomalies with transposition of the great arteries—A histopathological study of six cases. Ih S, et al. **Jpn Circ J** 1983 Nov;47(11):1262–73

Anomalous mitral 'cleft' with abnormal ventriculo-arterial connection: anatomical findings and surgical implications. Otero Coto E, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):1–5

[Transposition of an anomalous left superior vena cava into

the left atrium] Daskalov E, et al. **Khirurgiia (Sofiia)** 1983; 36(2):121–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Disadvantageous closure of the interventricular communication in double outlet right ventricle. Gerlis LM, et al. **Br Heart J** 1984 Jun;51(6):670–3

Left ventricular geometry in infants with d–transposition of the great arteries and intact interventricular septum. van Doesburg NH, et al. **Circulation** 1983 Oct;68(4):733–9

Atresia of the right atrioventricular valve. Subramanyam R, et al. **Indian Heart J** 1983 Jul–Aug;35(4):207–11

[Left ventricular dynamics in complete transposition of the great arteries] Cazzaniga M, et al. **Arq Bras Cardiol** 1983 Jul;41(1):19–26 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Later competence and adaptation in infants who survive severe heart defects. O'Dougherty M, et al. **Child Dev** 1983 Oct;54(5):1129–42 (42 ref.)

RADIOGRAPHY

[Diagnostic value of CT in congenital disorders of the great vessels] Yamada Z, et al. **J Cardiogr** 1983 Sep;13(3):685–98 (Eng. Abstr.) **(Jpn)**

[Angiocardiography in the diagnosis of congenital bulboventricular heart defects. Anatomopathological and angiocardiographic correlations] Wermeński K. **Probl Med Wieku Rozwoj** 1979;9:289–302 (Eng. Abstr.) **(Pol)**

[Absence of the mid arch or pulmonary segment in frontal radiographies of cases with transposition of great vessels. Study of 34 cases] de Medeiros Sobrinho JH, et al. **Arq Bras Cardiol** 1984 Jan;42(1):19–23 (Eng. Abstr.) **(Por)**

RADIONUCLIDE IMAGING

Radionuclide angiocardiography in the diagnosis of congenitally corrected transposition of the great arteries. Brendel AJ, et al. **Clin Nucl Med** 1984 Jul;9(7):383–8

SURGERY

Contrast bidimensional echocardiography in the morphologic and functional postoperative evaluation of the Senning technique for complete transposition of the great vessels. Pasalodos J, et al. **Am Heart J** 1984 Jul;108(1):110–5

Transumbilical balloon atrial septostomy for transposition of the great arteries in infants under the age of 60 hours. Roguin N, et al. **Am Heart J** 1984 Jan;107(1):174–6

Cardiac rhythm and conduction before and after anatomic correction of transposition of the great arteries. Arensman FW, et al. **Am J Cardiol** 1983 Oct 1;52(7):836–9

Catheter evaluation of left ventricular shape and function 1 or more years after anatomic correction of transposition of the great arteries. Arensman FW, et al. **Am J Cardiol** 1983 Nov 1;52(8):1079–83

Communicating hydrocephalus secondary to superior vena caval obstruction. Occurrence after Mustard's operation for transposition of the great arteries. Markowitz RI, et al. **Am J Dis Child** 1984 Jul;138(7):638–41

Surgical treatment of double–outlet left ventricle in situs inversus [I,D,D]. Akagawa H, et al. **Ann Thorac Surg** 1984 Apr;37(4):337–42

Transposition of the great arteries associated with total anomalous pulmonary venous connection: a surgical approach. Barbero–Marcial M, et al. **Ann Thorac Surg** 1984 Jan;37(1):92–4

Anatomic correction of simple transposition of the great arteries during the neonatal cardiovascular transition. Lincoln CR, et al. **Arch Dis Child** 1984 Jul;59(7):673–5

Transposition of the great arteries [editorial] Taylor JF. **Arch Dis Child** 1984 Jan;59(1):4–6

Balloon atrial septostomy in the neonatal intensive care unit. Baker EJ, et al. **Br Heart J** 1984 Apr;51(4):377–8

Surgical repair of lesions associated with corrected transposition. Late results. Metcalfe J, et al. **Br Heart J** 1983 Nov;50(5):476–82

Fate of infants with transposition of the great arteries in relation to balloon atrial septostomy. Powell TG, et al. **Br Heart J** 1984 Apr;51(4):371–6

Right and left ventricular function at rest and with exercise after the Mustard operation for transposition of the great arteries. Ramsay JM, et al. **Br Heart J** 1984 Apr; 51(4):364–70

Postoperative hemodynamic and electrophysiological evaluation of the Senning procedure. Epstein ML, et al. **Cardiology** 1983;70(5):247–54

Assessment of left ventricular contractile state after anatomic correction of transposition of the great arteries. Borow KM, et al. **Circulation** 1984 Jan;69(1):106–12

Results of the Senning operation for transposition of the great arteries with intact ventricular septum in neonates. deLeon VH, et al. **Circulation** 1984 Sep;70(3 Pt 2):I21–5

Influence of two–stage anatomic correction on size and distensibility of the anatomic pulmonary/functional aortic root in patients with simple transposition of the great arteries. Sievers HH, et al. **Circulation** 1984 Aug; 70(2):202–8

Blalock shunt: procedure of choice in infants. Roh MS, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):1–4

Anatomic repair of transposition of the great arteries. Mavroudis C. **J Ky Med Assoc** 1984 Jun;82(6):287–9

A successful procedure for correction of the Taussig–Bing malformation. Abe T, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):403–9

Pericardial baffle complications following the Mustard operation. Age–related incidence and ease of management. Cobanoglu A, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):371–8

Aortic translocation and biventricular outflow tract reconstruction. A new surgical repair for transposition of the great arteries associated with ventricular septal defect and pulmonary stenosis. Nikaidoh H. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):365–72

Anatomic correction of the Taussig–Bing anomaly. Yacoub MH, et al. **J Thorac Cardiovasc Surg** 1984 Sep;88(3):380–8

Cognitive function and age at repair of transposition of the great arteries [letter] Beaber RJ. **N Engl J Med** 1984 Oct 4;311(14):920–1

Cardiac rhythm after the Mustard operation for complete transposition of the great arteries. Flinn CJ, et al. **N Engl J Med** 1984 Jun 21;310(25):1635–8

Cognitive function and age at repair of transposition of the great arteries in children. Newburger JW, et al. **N Engl J Med** 1984 Jun 7;310(23):1495–9

The arterial switch operation for transposirtion of the great arteries in Japan. Kawashima Y. **Nippon Kyobu Geka Gakkai Zasshi** 1983 May;31(5):634–5

Current status of arterial switch operation for transposition of the great arteries. Yacoub MH, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 May;31(5):623–33

Evaluation of patients undergoing senning repair with two–dimensional contrast echocardiography. Levine M, et al. **Pediatr Cardiol** 1984 Apr–Jun;5(2):107–10

Inducible polymorphous ventricular tachycardia following Mustard operation for transposition of the great arteries. Scagliotti D, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):39–43

Superior vena cava obstruction after Mustard repair of d–transposition of the great arteries. Abbruzzese PA, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):5–7

VSD formation in corrected TGA. Management of a previously undescribed complication after tricuspid valve replacement. Björk VO, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):1–3

Anatomic problems associated with arterial switch procedures for double outlet right ventricle with subpulmonary ventricular septal defect. Firmin RK, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):365–8

Echocardiographic evaluation of atrial function after Senning and Mustard correction for transposition of the great arteries. Björnstad PG, et al. **Thorax** 1984 Feb;39(2):114–20

[Experience with the physiologically corrective operation for vessel transposition using Mustard's technic] Hučín B, et al. **Cas Lek Cesk** 1983 Nov 18;122(46):1425–9 (Eng. Abstr.) **(Cze)**

[Atrioseptectomy by the Blalock and Hanlon method] Tláskal T, et al. **Rozhl Chir** 1983 Nov;62(11):749–57 (Eng. Abstr.) **(Cze)**

[Taussig–Bing anomaly. Intraventricular correction in an infant. Review of the literature] Métras D, et al. **Arch Mal Coeur** 1984 May;77(5):564–70 (Eng. Abstr.) **(Fre)**

[Prognosis for patients following surgical correction of transposition of great vessels] Rothlin ME, et al. **Schweiz Med Wochenschr** 1983 Nov 12;113(45):1651–4 (Eng. Abstr.) **(Ger)**

[Indications for the surgical correction of patients with transposition of the great arteries associated with an interventricular defect. Analysis of 98 cases operated on using the Mustard technic] Piccoli GP, et al. **G Ital Cardiol** 1983 Dec;13(12):380–7 (Eng. Abstr.) **(Ita)**

[Indications for the surgical correction in patients with transposition of the great arteries, intact interventricular septum and organic or functional obstruction of the outflow tract of the left ventricle. Analysis of 53 cases operated on by the Mustard technic] Piccoli GP, et al. **G Ital Cardiol** 1983 Sep;13(9):160–6 (Eng. Abstr.) **(Ita)**

[Anatomic correction of complete transposition of the great arteries by Lecompte procedure] Nishimura K, et al. **Kyobu Geka** 1984 Apr;37(4):303–7 (Eng. Abstr.) **(Jpn)**

[A case report of successful anatomical correction for transposition of the great arteries] Wake K, et al. **Kyobu Geka** 1984 Apr;37(4):298–302 (Eng. Abstr.) **(Jpn)**

[Total correction of complete transposition of the great arteries (d–TGA) and Fontan procedure for tricuspid atresia(TA)] Imai Y. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):804–7 (Eng. Abstr.) **(Jpn)**

[Current status of cardiac surgery for congenital heart disease— tetralogy of Fallot and double outlet right ventricle] Matsuda H, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):808–12 (Eng. Abstr.) **(Jpn)**

[Successful correction of double outlet right ventricle with L–malposition of the aorta (SDL & SLL): report of 2 cases] Kado H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):225–35 (Eng. Abstr.) **(Jpn)**

[A new method to close ventricular septal defect in corrected transposition of the great arteries (SLL)] Kitamura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb; 32(2):209–15 (Eng. Abstr.) **(Jpn)**

[Open heart surgery for corrected transposition of the great arteries, situs inversus (I,D,D) in dextrocardia] Mashiko K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Oct; 31(10):1581–6 (Eng. Abstr.) **(Jpn)**

[The results of Senning operation for complete transposition of the great arteries with intact ventricular septum] Matsuda H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):16–22 (Eng. Abstr.) **(Jpn)**

[Successful management of corrected transposition of great vessels associated inversus, ventricular septal defects, pulmonary valve and subvalvular stenosis] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1166–75 (Eng. Abstr.) **(Jpn)**

[Experience with Jatene's procedure in 5 cases of complete transposition of great vessels] Imai Y. **Rinsho Kyobu Geka** 1983 May;3(3):388–9 (Eng. Abstr.) **(Jpn)**

[Jatene's operation. Technic, indications and current results] Jatene AD, et al. **Arq Bras Cardiol** 1983 Oct;41(4):303–8 (Eng. Abstr.) **(Por)**

[Radical correction of total transposition of the main vessels associated with interventricular septal defect and pulmonary artery stenosis] Burakovskiĭ VI, et al. **Grudn Khir** 1984 May–Jun;(3):14–20 (Eng. Abstr.) **(Rus)**

[Surgical treatment of total anomalous drainage of the pulmonary veins in early childhood] Fal'kovskiĭ GE, et al. **Grudn Khir** 1984 May–Jun;(3):25–9 (Eng. Abstr.) **(Rus)**

[Surgery of transposition of the great vessels of the heart during the first years of life (review of the literature)] Sharykin AS, et al. **Khirurgiia (Mosk)** 1984 May;(5):141–4 (51 ref.) **(Rus)**

[Palliative surgery in the treatment of transposition of the great vessels of the heart in children less than 1–year–old] Aleksi–Meskhishvili VV, et al. **Pediatriia** 1984 Apr;(4):22–5 (Eng. Abstr.) **(Rus)**

[Blalock–Hanlon atrioseptectomy: an outdated technic? (I) In transposition of the great arteries] Villagrá F, et al. **Rev Esp Cardiol** 1984 Jan–Feb;37(1):60–6 (Eng. Abstr.) **(Spa)**

THERAPY

Permanent pacemaker therapy in corrected transposition of the great arteries: analysis of site of lead placement in 40 patients. Estes NA 3d, et al. **Am J Cardiol** 1983 Nov 1; 52(8):1091–7

[Echocardiographic monitoring of atrial septostomy in the transposition of the great arteries] Carminati M, et al. **G Ital Cardiol** 1984 Feb;14(2):91–5 (Eng. Abstr.) **(Ita)**

VETERINARY

Complete transposition of the great arteries with ventricular septal defect and pulmonary stenosis in a Thoroughbred foal. McClure JJ, et al. **Equine Vet J** 1983 Oct;15(4):377–80

Double outlet left ventricle in a dog. Vos JH, et al. **Vet Pathol** 1984 Mar;21(2):174–7

TRANSPOSONS see **DNA INSERTION ELEMENTS**

TRANSSEXUALISM

Myocardial infarction and severe thromboembolic complications. As seen in an estrogen–dependent transsexual. Fortin CJ, et al. **Arch Intern Med** 1984 May; 144(5):1082–3

Paraffinoma of the male breast: a case report. Kay SP, et al. **Br J Plast Surg** 1983 Oct;36(4):522–3

Squamous metaplasia of the verumontanum with obstruction due to hypertrophy: long–term effects of estrogen on the prostate in an aging male–to–female transsexual. Goodwin WE, et al. **J Urol** 1984 Mar;131(3):553–4

Ulane case highlights issues in sex discrimination lawsuits. Goerth CR. **Occup Health Saf** 1984 May;:54–5

[Evaluation of the voice as a secondary sex characteristic in transsexuals] Martin F, et al. **HNO** 1984 Jan;32(1):24–7 (Eng. Abstr.) **(Ger)**

BLOOD

The feminisation of gonadotrophin responses in intact male transsexuals. Goh HH, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):591–6

DIAGNOSIS

Two subgroups of gender–problem children. Zucker KJ, et al. **Arch Sex Behav** 1984 Feb;13(1):27–39

DRUG THERAPY

Hormone treatment clinic for transsexuals. Cooper MA. **Hawaii Med J** 1984 May;43(5):142, 144, 146

FAMILIAL & GENETIC

[Transsexual symptoms in a partner arrangement—only 1 case?] Janssen PL. **Psychother Psychosom Med Psychol** 1984 Mar–Apr;34(3–4):76–80 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

On the LH response to oestrogen and LH–RH in transsexual men. Dörner G, et al. **Exp Clin Endocrinol** 1983 Nov; 82(3):257–67

[Sleep and the circadian rhythm of cortisol in transsexuals] Puca FM, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;

59(9):1236–42 (Eng. Abstr.) (Ita)

PSYCHOLOGY

Measuring physical aggressiveness in heterosexual, homosexual, and transsexual males. Blanchard R, et al. **Arch Sex Behav** 1983 Dec;12(6):511–24

Psychosocial characteristics of applicants evaluated for surgical gender reassignment. Dixen JM, et al. **Arch Sex Behav** 1984 Jun;13(3):269–76

Female-to-male transsexualism and sex roles: self and spouse ratings on the PAQ. Fleming MZ, et al. **Arch Sex Behav** 1984 Feb;13(1):51–7

Comparison of attitudes toward transsexuality and homosexuality. Leitenberg H, et al. **Arch Sex Behav** 1983 Aug;12(4):337–46

Suicide by a transsexual [letter] Levine SB. **Arch Sex Behav** 1984 Jun;13(3):287–9

The mid-life male sex-change applicant: a multiclinic survey. Roback HB, et al. **Arch Sex Behav** 1984 Apr;13(2):141–53

The former transsexual: a case study. Shore ER. **Arch Sex Behav** 1984 Jun;13(3):277–85

Transsexualism and Slater's Selective Vocabulary Test. Kenna JC, et al. **Int J Soc Psychiatry** 1984 Autumn; 30(3):207–12

Parental and interpersonal relationships of transsexual and masculine and feminine homosexual men. Sípová I, et al. **J Homosex** 1983 Fall;9(1):75–85

Condition, orientation, role or false consciousness? Models of homosexuality and transsexualism. King D. **Sociol Rev** 1984 Feb;32(1):38–56

[A case of transsexualism] Persico D, et al. **Ann Med Psychol (Paris)** 1983 Jul-Aug;141(7):771–6 (Fre)

[Sexuality, identity, transsexuality] Reiche R. **Beitr Sexualforsch** 1984;59:51–64 (Ger)

[Transsexualism in adolescence. Literature review] Thimm D, et al. **Prax Kinderpsychol Kinderpsychiatr** 1984 Feb-Mar;33(2):70–5 (Eng. Abstr.) (Ger)

[Transsexualism in adolescence. A case report] Thimm D, et al. **Prax Kinderpsychol Kinderpsychiatr** 1984 Apr; 33(3):97–104 (Eng. Abstr.) (Ger)

[Sex character of human movement answers in the Rorschach test in transsexual and transvestite patients] Bash KW. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 132(2):315–23 (Eng. Abstr.) (Ger)

[Transsexualism and somatic sex] Godlewski J, et al. **Psychiatr Pol** 1983 Sep-Dec;17(5–6):425–7 (Pol)

REHABILITATION

Speech pathology considerations in the management of transsexualism—a review. Oates JM, et al. **Br J Disord Commun** 1983 Dec;18(3):139–51 (71 ref.)

SURGERY

Gender reorientation and psychosocial adjustment in male-to-female transsexuals. Blanchard R, et al. **Arch Sex Behav** 1983 Dec;12(6):503–9

Once a man, always a man; once a woman, always a woman—sex change and the law. Samuels A. **Med Sci Law** 1984 Jul;24(3):163–6

Sexual reassignment surgery and the military: case reports. Jones FD, et al. **Milit Med** 1984 May;149(5):271–5

THERAPY

Issues in diagnosis and treatment of transsexualism. Roberto LG. **Arch Sex Behav** 1983 Oct;12(5):445–73

Therapy of male gender dysphoria. Meyer GD Sr. **Curr Psychiatr Ther** 1983;22:61–6

Transsexualism in the adolescent girl. Dulcan MK, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):354–61

[Problems in the psychotherapeutic treatment of transsexual patients] Pfäfflin F. **Psychother Psychosom Med Psychol** 1983 Sep;33 Suppl 2:89–92 (Eng. Abstr.) (Ger)

TRANSUDATES see **EXUDATES AND TRANSUDATES**

TRANSVESTISM

The hijras of India. A preliminary report. Nanda S. **Med Law** 1984;3(1):59–75

DIAGNOSIS

Two subgroups of gender-problem children. Zucker KJ, et al. **Arch Sex Behav** 1984 Feb;13(1):27–39

PSYCHOLOGY

Psychosocial characteristics of applicants evaluated for surgical gender reassignment. Dixen JM, et al. **Arch Sex Behav** 1984 Jun;13(3):269–76

Homosexual cross-dressers. Person ES, et al. **J Am Acad Psychoanal** 1984 Apr;12(2):167–86

[Sex character of human movement answers in the Rorschach test in transsexual and transvestite patients] Bash KW. **Schweiz Arch Neurol Neurochir Psychiatr** 1983; 132(2):315–23 (Eng. Abstr.) (Ger)

SURGERY

Surgery for transsexuals [letter] Cooke D. **Med J Aust** 1983 Nov 26;2(11):541

TRANYLCYPROMINE

ADMINISTRATION & DOSAGE

Tranylcypromine and inhibition of MAO activity [letter] Bowden CL. **J Clin Psychopharmacol** 1984 Jun;4(3):172–3

Loss of antidepressant effect with long-term monoamine oxidase inhibitor treatment without loss of monoamine oxidase inhibition. Mann JJ. **J Clin Psychopharmacol** 1983 Dec;3(6):363–6

ANALYSIS

A rapid and sensitive electron-capture gas chromatographic method for the analysis of tranylcypromine in brain tissue using acetylation and pentafluorobenzoylation. Hampson DR, et al. **J Biochem Biophys Methods** 1984 Mar;9(1):85–7

METABOLISM

Stereoisomery and the release of the adrenergic neurotransmitter by indirectly acting sympathomimetics. Scivoletto R. **Braz J Med Biol Res** 1983 Dec;16(4):321–5

PHARMACODYNAMICS

Investigations on the mechanism of positive inotropic action of (+)-tranylcypromine in isolated guinea-pig atria. Dénes B, et al. **Arzneimittelforsch** 1984;34(3):266–70

Urinary excretion of O-methylated catecholamines, tyramine and phenyl-ethylamine by volunteers treated with tranylcypromine and CGP 11305 A. Waldmeier PC, et al. **Eur J Clin Pharmacol** 1983;25(3):361–8

Psychoactive drugs and stimulus analysis: IV. The experimental discrimination of acute and prophylactic antidepressants. Johnson FN. **Int J Neurosci** 1983 Jul; 20(1–2):33–9

Mechanism of inactivation of monoamine oxidase by trans-2-phenylcyclopropylamine and the structure of the enzyme-inactivator adduct. Silverman RB. **J Biol Chem** 1983 Dec 25;258(24):14766–9

Interactions of non-selective monoamine oxidase inhibitors, tranylcypromine and nialamide, with inhibitors of 5-hydroxytryptamine, dopamine or noradrenaline re-uptake. Marley E, et al. **J Psychiatr Res** 1984; 18(2):191–203

Levels of p-tyramine in rat brain after chronic administration of MAO-inhibiting antidepressants. Baker GB, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):779–82

Regional concentrations of cerebral amines: effects of tranylcypromine and phenelzine. McKim RH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):783–6

THERAPEUTIC USE

Treatment of melancholia with tranylcypromine. McGrath PJ, et al. **Am J Psychiatry** 1984 Feb;141(2):288–9

Combined tricyclic and MAOI treatment of depressed patients [letter] Raskin DE. **Am J Psychiatry** 1983 Oct; 140(10):1384

Response to tranylcypromine and thought stopping in obsessional disorder. Swinson RP. **Br J Psychiatry** 1984 Apr;144:425–7

Tranylcypromine vs nortriptyline vs placebo in depressed outpatients: a controlled trial. White K, et al. **Psychopharmacology (Berlin)** 1984;82(3):258–62

TRAPIDIL see under **PYRIMIDINES**

TRAUMA see **WOUNDS AND INJURIES**

TRAUMA CENTERS

Trauma mortality in Orange County: the effect of implementation of a regional trauma system. Cales RH. **Ann Emerg Med** 1984 Jan;13(1):1–10

Emergency medicine and the university trauma center [letter] Teufel WL. **Ann Emerg Med** 1984 May;13(5):411–3

Trauma: a medical and public concern. Deller TR, et al. **Dimens Health Serv** 1984 Jan;61(1):32

Trauma unit design expedites imperiled patients' care. **Hospitals** 1984 Mar 16;58(6):57–8

Trauma centre—a radiologic perspective. Campbell JE. **J Can Assoc Radiol** 1983 Sep;34(3):161–2

Radiology of spinal trauma—practical experience in a trauma unit. Kassel EE, et al. **J Can Assoc Radiol** 1983 Sep; 34(3):189–203

Radiologic studies of facial trauma associated with a regional trauma centre. Kassel EE, et al. **J Can Assoc Radiol** 1983 Sep;34(3):178–88

Angiography in the diagnosis and treatment of trauma. Saibil EA, et al. **J Can Assoc Radiol** 1983 Sep;34(3):218–27

The effect of advanced life support and sophisticated hospital systems on motor vehicle mortality. Alexander RH, et al. **J Trauma** 1984 Jun;24(6):486–90

Duodenal trauma: experience of a trauma center. Levison MA, et al. **J Trauma** 1984 Jun;24(6):475–80

Undergraduate education in the accident unit. Nixon JE, et al. **Med Educ** 1984 Mar;18(2):101–5

[3 years, activity of the Székesfehérvár Traumatology Department] Sántha E. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(4):314–9 (Eng. Abstr.) (Hun)

ORGANIZATION & ADMINISTRATION

Life Saver: a complete team approach incorporated into a hospital-based program. Carraway RP, et al. **Am Surg** 1984 Apr;50(4):173–82

A trauma centre—what is involved. McMurtry RY, et al. **J Can Assoc Radiol** 1983 Sep;34(3):163–6

[Current problems of modern traumatology] Poliakov VA. **Voen Med Zh** 1983 Jul;(7):32–4 (Rus)

STANDARDS

Evaluation of hospital care in one trauma care system. Spain DM, et al. **Am J Public Health** 1984 Oct;74(10):1122–5

Potential role of nurses in assessing house officer performance in the critical care environment. Shatney CH, et al. **Crit Care Med** 1984 Feb;12(2):117–20

TRENDS

[Development of traumatologico-orthopedic service to the population of the autonomous republics and regions along the Volga] Safin FF. **Sov Zdravookhr** 1983;(10):25–8 (Eng. Abstr.) (Rus)

UTILIZATION

Initial assessment of the effect of the compulsory use of seat belts on car occupants' injuries, and the trauma department work-load. Freedman LS. **Injury** 1984 Jul;16(1):60–2

TRAUMA UNITS see **TRAUMA CENTERS**

TRAVEL

Tropical diseases of importance to the traveler. Brown KR, et al. **Adv Intern Med** 1984;29:59–84 (29 ref.)

The generalist: a jaundiced view. Lee RV. **Am J Med** 1984 Mar;76(3):349–50

Outbreak of invasive Escherichia coli gastroenteritis on a cruise ship. Snyder JD, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):281–4

Asian immigrant tuberculosis—the effect of visiting Asia. McCarthy OR. **Br J Dis Chest** 1984 Jul;78(3):248–53

Action by the Customs Co-operation Council to combat illicit drug trafficking. Gotschlich GD. **Bull Narc** 1983 Oct-Dec;35(4):79–81

Risks in malaria prevention: alternative prophylaxis with chloroquine plus tetracycline. Neumann HH. **Conn Med** 1984 Jan;48(1):7–9

Hepatitis A in Swedish foreign travellers. Iwarson S, et al. **Dev Biol Stand** 1983;54:419–22

Travellers' diarrhoea—an insoluble problem. Cook GC. **Gut** 1983 Dec;24(12):1105–8

Imported infections [editorial] **J Infect** 1983 Nov;7(3):173–6

Visceral leishmaniasis: a rare imported disease. Wheatley T, et al. **J Infect** 1983 Sep;7(2):166–7

Typhoid in the United States and tl.e risk to the international traveler. Taylor DN, et al. **J Infect Dis** 1983 Sep; 148(3):599–602

Advice to travelers. Hinthorn DR. **J Kans Med Soc** 1984 May;85(5):141–3

Medical preparation for travel in Africa [letter] Wells G, et al. **J Natl Med Assoc** 1983 Sep;75(9):861–2

Travel and health: illness associated with winter package holidays. Cossar JH, et al. **J R Coll Gen Pract** 1983 Oct; 33(255):642–5

Pilgrimage to the Falkland Islands 1983. Millar CW. **J R Nav Med Serv** 1984 Spring;70(1):35–7

Leads from the MMWR. Shigellosis among tourists—Union of Soviet Socialist Republics, 1983. **JAMA** 1984 May 25; 251(20):2645

Leads from the MMWR. Imported malaria among travelers—United States. **JAMA** 1984 Aug 3;252(5):609, 613

Leads from the MMWR. Acute schistosomiasis with transverse myelitis in American students returning from Kenya. **JAMA** 1984 Sep 7;252(9):1116, 1119, 1123

Epidemiology of travelers' diarrhea [letter] Allard R. **JAMA** 1984 Mar 2;251(9):1161–2

Brucellosis in a group of travelers to Spain. Arnow PM, et al. **JAMA** 1984 Jan 27;251(4):505–7

Global disease guide [letter] Gordon ME. **JAMA** 1983 Dec 16;250(23):3161

Acute schistosomiasis among Americans rafting the Omo River, Ethiopia. Istre GR, et al. **JAMA** 1984 Jan 27; 251(4):508–10

The travel agency role in emporiatrics [letter] Mann JM, et al. **JAMA** 1984 Mar 9;251(10):1279–80

Prevention of malaria [letter] Onori E, et al. **JAMA** 1984 Feb 24;251(8):1026–7

Unde venis? (Where have you been?) [editorial] Schultz MG. **JAMA** 1984 Jan 27;251(4):512–3

Medical alert in emporiatrics [letter] Wheatley GM. **JAMA** 1983 Nov 4;250(17):2284

Protection against hepatitis A infection for travellers [letter] **Lancet** 1984 Apr 7;1(8380):790–1

HTLV from Africa to Japan [letter] Fleming AF. **Lancet** 1984 Feb 4;1(8371):279

Hepatitis A in the traveller [letter] Hall SM, et al. **Lancet** 1983 Nov 19;2(8360):1198

Malaria from a 'commuter' mosquito [letter] Smeaton MJ, et al. **Lancet** 1984 Apr 14;1(8381):845–6

Diseases of malfunction of body mechanisms. (Heart disease, diabetes, cancer etc.) Risk by occupation, and correlation,

male and female, with vehicle travel. Robinson AA. **Med Hypotheses** 1983 Aug;11(4):415–29
Drug smuggling by internal bodily concealment. Dunne JW. **Med J Aust** 1983 Oct 29;2(9):436–9
Shigellosis among tourists—Union of Soviet Socialist Republics, 1983. **MMWR** 1984 May 4;33(17):234–5
Imported malaria among travelers—United States. **MMWR** 1984 Jul 13;33(27):388–90
Acute schistosomiasis with transverse myelitis in American students returning from Kenya. **MMWR** 1984 Aug 10; 33(31):445–7
Treatment of parasitic infections of travelers and immigrants. Most H. **N Engl J Med** 1984 Feb 2;310(5):298–304 (14 ref.)
Health advice to international travellers: an evaluation of sources [letter] White F, et al. **N Engl J Med** 1983 Dec 22;309(25):1587
Aviation medicine, Part 3: Aerospace resuscitation and prevention of medical problems during and after flying. **NZ Med J** 1984 Sep 26;97(764):640–2
Aviation medicine part 2: Fitness to fly and the role of doctor travellers. Johnson LF. **NZ Med J** 1984 Sep 12; 97(763):602–5
Hepatitis immunisation prior to travel or residence in developing countries [letter] Woodfield DG. **NZ Med J** 1984 Aug 22;97(762):578
Traveling with physical disability. Careful preplanning can ensure 'smooth sailing'. **Postgrad Med** 1984 Apr;75(5):101–2
Traveling with children. It's the little things that count. DeWitt DE, et al. **Postgrad Med** 1983 Oct;74(4):373–4
Traveling with lung disease. The special problems and concerns. DeWitt DE, et al. **Postgrad Med** 1983 Nov; 74(5):333–4
Poor public awareness of foreign travel hazards. Ghosh SK. **Practitioner** 1984 Sep;228(1395):844–5
Infections acquired abroad. Sharp JC. **Practitioner** 1984 Aug; 228(1394):749–53
Scheduled exposure to daylight: a potential strategy to reduce 'jet lag' following transmeridian flight. Daan S, et al. **Psychopharmacol Bull** 1984 Summer;20(3):566–8
Survey of intestinal pathogens in children travelling abroad. Joanes RF, et al. **Public Health** 1984 May;98(3):139–42
Travellers' diarrhoea: new insights. **Scand J Gastroenterol [Suppl]** 1983;84:1–140
Antimicrobial therapy of travellers' diarrhoea. Dupont HL, et al. **Scand J Gastroenterol [Suppl]** 1983;84:99–105
Travellers' diarrhoea: prospects for successful immunoprophylaxis. Levine MM. **Scand J Gastroenterol [Suppl]** 1983;84:121–34 (111 ref.)
Oral replacement of water and electrolyte losses due to travellers' diarrhoea. Nalin DR. **Scand J Gastroenterol [Suppl]** 1983;84:95–8
Antimicrobial prophylaxis of travellers' diarrhoea: a summary of studies using doxycycline or trimethoprim and sulphamethoxazole. Sack RB. **Scand J Gastroenterol [Suppl]** 1983;84:111–7
Detection of Campylobacter jejuni and other potential pathogens in travellers' diarrhoea in Bangladesh. Speelman P, et al. **Scand J Gastroenterol [Suppl]** 1983;84:19–23
Epidemiology of travellers' diarrhoea. Steffen R. **Scand J Gastroenterol [Suppl]** 1983;84:5–17
Travellers' diarrhoea: prevention by chemoprophylaxis. Turner AC. **Scand J Gastroenterol [Suppl]** 1983;84:106–10
Parasites and travellers' diarrhoea. Wright SG. **Scand J Gastroenterol [Suppl]** 1983;84:25–9
Trips to the South—a health hazard. Morbidity of Finnish travellers. Peltola H, et al. **Scand J Infect Dis** 1983; 15(4):375–81
Changes in serotype and resistance pattern of the intestinal Escherichia coli flora during travel. Results from a trial of mecillinam as a prophylactic against travellers' diarrhoea. Stenderup J, et al. **Scand J Infect Dis** 1983; 15(4):367–73
Risk of high-altitude travel in a patient with Eisenmenger's syndrome. Newman JH, et al. **South Med J** 1984 Aug; 77(8):1057–8
International travel requirements. Barrett-Connor E. **West J Med** 1983 Sep;139(3):364–5
[Traveling of handicapped (letter)] Dahl S. **Ugeskr Laeger** 1983 Nov 21;145(47):3696–7 **(Dan)**
[Infants and children as travelers] Lagardère B, et al. **Ann Pediatr (Paris)** 1984 Jun;31(6):511–4 (Eng. Abstr.) **(Fre)**
[Rickettsioses. A disease of tourism] Edlinger E, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2053–4 (Eng. Abstr.) **(Fre)**
[Diarrhea upon return to the previous residence in pediatrics] Navarro J. **Sem Hop Paris** 1983 Oct 20;59(37–38):2655–7 **(Fre)**
[Management of infectious diarrhea during travels in tropical areas. Prevention, diagnosis and treatment] Saimot AG, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2611–3 **(Fre)**
[Travel involving long-distance flights: health risks] Weber R, et al. **Med Monatsschr Pharm** 1984 May;7(5):147–51 **(Ger)**
[Medical risks for tourists and long-distance travelers. Suggestions for prevention] Delbrück H. **Med Welt** 1983 Aug 26;34(33–34):889–94 **(Ger)**
[Streptococcal pyodermas. A typical complication following travel in the tropics] Enzensberger R, et al. **MMW** 1983 Dec 16;125(50):1185–6 (Eng. Abstr.) **(Ger)**
[The elderly on trips and on vacation] Golling FR, et al. **MMW** 1983 Aug 26;125(34):734–6 (Eng. Abstr.) **(Ger)**
[Staphylococcal poisoning of a travel group] Eschment R. **Off Gesundheitswes** 1983 Oct;45(10):511 **(Ger)**
[Cutaneous leishmaniasis in patients returning from the tropics] Heimgartner E. **Schweiz Rundsch Med Prax** 1984 Feb 7;73(6):165–8 (Eng. Abstr.) **(Ger)**
[Infestations by intestinal parasites in persons returning from tropical countries] Werner P, et al. **Z Gesamte Hyg** 1984 Feb;30(2):108–10 (Eng. Abstr.) **(Ger)**
[Recommendations for traveling] Höfler W. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1407–10 **(Ger)**
[Travel medicine. Medical measures before and after long-distance flights] Steffen R. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1401–6 **(Ger)**
[Importation of malaria to Lombardy. II – Analysis of hospitalized cases] Carosi G, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):79–84 (Eng. Abstr.) **(Ita)**
[Importation of malaria to Lombardy. I – Analysis of reported cases] Carosi G, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):72–8 (Eng. Abstr.) **(Ita)**
[Mental disorders in foreigners hospitalized in a psychiatric clinic] Leksowski W, et al. **Psychiatr Pol** 1984 Jan-Feb; 18(1):76–8 **(Pol)**
[Regulation of intraocular pressure during a long voyage] Ponomarchuk VS, et al. **Oftalmol Zh** 1983;38(4):225–8 (Eng. Abstr.) **(Rus)**
[Traveling in airplanes (editorial)] Battestini R. **Med Clin (Barc)** 1983 Oct 15;81(11):479–81 **(Spa)**

TRAZODONE see under **PIPERAZINES**

TREACHER COLLINS SYNDROME see **MANDIBULOFACIAL DYSOSTOSIS**

TREATMENT REFUSAL see **PATIENT COMPLIANCE**

TREES

Effect of pH on production of cytokinin-like substances by bacteria isolated from soil, rhizosphere and mycorrhizosphere of pine (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1984;33(1):77–85
In vitro antibacterial activity of water-soluble extract of aghalokpe. Williams B, et al. **Afr J Med Med Sci** 1983 Jun;12(2):113–6
Allergic contact dermatitis to laurel (Laurus nobilis L.): isolation and identification of haptens. Cheminat A, et al. **Arch Dermatol Res** 1984;276(3):178–81
The mosquitoes in the forest of Cernica—ecological data. Giurcă I, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct-Dec;42(4):353–63
Abnormal births in cattle following ingestion of Cupressus macrocarpa foliage. Sloss V, et al. **Aust Vet J** 1983 Jul; 60(7):223
Contact dermatitis to lilly pilly (Eugenia Smithi): report of a case. Rosner SA, et al. **Australas J Dermatol** 1984 Apr; 25(1):25–6
Pyrolytic deposition of polynuclear aromatic hydrocarbons due to slash burning on clear-cut sites. Sullivan TJ, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):208–15
Polymerization of individual species of tree pollen allergens. Patterson R, et al. **Int Arch Allergy Appl Immunol** 1984; 73(1):1–4
Red maple-associated pulmonary thrombosis in a horse. Long PH, et al. **J Am Vet Med Assoc** 1984 Apr 15; 184(8):977–8
The physiological effects of Aralia, Panax and Eleutherococcus on exercised rats. Martinez B, et al. **Jpn J Pharmacol** 1984 Jun;35(2):79–85
Antimicrobial, antiamoebic and antiviral screening of some Tabernaemontana species. van Beek TA, et al. **Planta Med** 1984 Apr;50(2):180–5
Increasing productivity in recent European oak trees? Wagener K, et al. **Radiat Environ Biophys** 1983; 22(4):303–10
[Death of the forest – a consequence of the immission burden of flora and fauna?] Pfeiffer K. **Fortschr Med** 1983 Jul 28; 101(27–28):1269–70 **(Ger)**
[The role of the forest and public parks in Hungarian health] Somosi G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):319–26 (Eng. Abstr.) **(Ger)**
[Gas chromatographic determination of phytoncides in the air] Dmitriev MT, et al. **Gig Sanit** 1983 Jul;(7):43–5 **(Rus)**
[Effectiveness of trees for improving the quality of urban air] Ostrikova VM. **Gig Sanit** 1984 Jan;(1):60–1 **(Rus)**
[Experimental and clinical study of the effect of a birch-bud tincture on infected wounds] Zakharov NA, et al. **Klin Khir** 1984 Jan;(1):72–3 **(Rus)**
[Fig dermatitis] Andreichuk IE. **Vestn Dermatol Venerol** 1984 Apr;(4):67–8 (Eng. Abstr.) **(Rus)**

TREESHREWS see **TUPAIIDAE**

TREHALASE

Characterization of two trehalases in baker's yeast. Londesborough J, et al. **Biochem J** 1984 Apr 15; 219(2):511–8

ANALYSIS

Low trehalase activity in amniotic fluid: a marker for cystic fibrosis? [letter] Szabó M, et al. **Clin Genet** 1984 May; 25(5):475–6
[Disaccharidase and related intestinal metaplasia in the mucous membrane of lithiasic gallbladder] Ohmura K. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1772–81 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Purification and characterization of kidney and intestinal brush-border membrane trehalases from the rabbit. Galand G. **Biochim Biophys Acta** 1984 Aug 28;789(1):10–9

METABOLISM

Cyclic-AMP content and trehalase activation in vegetative cells and ascospores of yeast. Thevelein JM. **Arch Microbiol** 1984 May;138(1):64–7
Comparison of the trehalase of Trichoderma reesei with those from other sources. Alabran DM, et al. **Carbohydr Res** 1983 Nov 11;123(1):179–81
Reversibility characteristics of glucose-induced trehalase activation associated with the breaking of dormancy in yeast ascospores. Thevelein JM, et al. **Eur J Biochem** 1983 Nov 15;136(3):583–7
Trehalases from the male accessory glands of the American Cockroach: developmental changes and the hormonal regulation of the enzymes. Ogiso M, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):387–92
Trehalase activity and cyclic AMP content during early development of Mucor rouxii spores. Dewerchin MA, et al. **J Bacteriol** 1984 May;158(2):575–9
Activation of trehalase by membrane-depolarizing agents in yeast vegetative cells and ascospores. Thevelein JM. **J Bacteriol** 1984 Apr;158(1):337–9
Exo-(1——3)-beta-glucanase, autolysin and trehalase activities during yeast growth and germ-tube formation in Candida albicans. Ram SP, et al. **J Gen Microbiol** 1984 May;130 (Pt 5):1227–36
Regulation of trehalose mobilization in fungi. Thevelein JM. **Microbiol Rev** 1984 Mar;48(1):42–59 (221 ref.)

TREHALOSE see under **DISACCHARIDES**

TREMATODA

Archinephric duct lesions caused by Phyllodistomum superbum and P. lysteri (Digenea: Gorgoderidae) in catostomid fishes. Gleason LN, et al. **J Wildl Dis** 1983 Jul; 19(3):277–9
Effects of crude oils on the gastrointestinal parasites of two species of marine fish. Khan RA, et al. **J Wildl Dis** 1983 Jul;19(3):253–8

ANATOMY & HISTOLOGY

Observations on the identity of the avian schistosome Trichobilhariza ocellata (La Valette, 1855) Brumpt, 1931. Sluiters JF. **Acta Leiden** 1983 Dec;51:53–9
Human infection with the pancreas fluke, Eurytrema pancreaticum. Ishii Y, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1019–22
Parasites of the relict fauna of Ceylon. VIII. Helminths from Ichthyophis spp. (Amphibia: Gymnophiona). Crusz H, et al. **Ann Parasitol Hum Comp** 1982;57(4):317–27
A survey of the results of studies on Gyrodactylus katharineri Malmberg, 1964 (Gyrodactylidae: Monogenea). Ergens R. **Folia Parasitol (Praha)** 1983;30(4):319–27
Dactylogyrus aegyptiacus n.sp. (monogenetic Trematode: Dactylogyridae); a gill parasite of a atherinid fish from the Red Sea. Ramadan MM. **J Egypt Soc Parasitol** 1983 Dec; 13(2):407–11
Comparative morphology of the eggs of the paramphistomid trematodes of the agile wallaby, Macropus agilis (Gould, 1842). Speare R. **J Wildl Dis** 1983 Oct;19(4):368–70
[Occurrence of Pagumogonimus skrjabini in Fangshan county, Hubei province] Su TC. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):61 **(Chi)**
[Argyrophilic structures of the larval forms of 2 strains of Paramphistomum microbothrium: 1 a parasite of Isidora guernei and Ovis aries, the other a parasite of Isidora truncata and Bos taurus] Diaw OT, et al. **Ann Parasitol Hum Comp** 1983;58(5):455–65 (Eng. Abstr.) **(Fre)**
[Ligophorus parvicirrus n. sp. (Monogenea, Ancyrocephalidae), parasite of Liza ramada (Risso, 1826) (Teleostei, Mugilidae)] Euzet L, et al. **Ann Parasitol Hum Comp** 1983;58(4):325–35 (Eng. Abstr.) **(Fre)**
[Description of 2 new species of the genus Cycloplectanum Oliver, 1968 (Monogenea, Monopisthocotylea, Diplectanidae)] Oliver G. **Ann Parasitol Hum Comp** 1984; 59(1):31–9 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

An introductory guide to the identification of cercariae from African freshwater snails with special reference to cercariae of trematode species of medical and veterinary importance. Frandsen F, et al. **Acta Trop (Basel)** 1984 Jun;41(2):181–202
Parasitic worms causing the rejection of tilapia (Oreochromis

species) in Zaire. Kabunda MY, et al. **Br Vet J** 1984 May-Jun;140(3):263-8

Gyrodactylus strelkovi sp.n. (Monogenea: Gyrodactylidae). A new fish parasite from the basin of the River Amur. Ergens R, et al. **Folia Parasitol (Praha)** 1983;30(4):328

Microphalloides vajrasthirae n. sp. (Digenea: Microphallidae) from the small intestine of cat in Thailand. Waikagul J. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):260-3

[Redescription of Cercaria setifera F.S. Monticelli, 1914 (nec J. Müller) (Trematoda), a parasite of Conus ventricosus Hwass; comparison with various ophthalmotrichocercous cercariae from the western Mediterranean] Bartoli P. **Ann Parasitol Hum Comp** 1984;59(2):161-76 (Eng. Abstr.) **(Fre)**

[Trematodes of the genus Prohemistomum Odhner 1913 and Paracoenogonimus Katsurada 1914 (Strigeata: Cyathocotyloidea)] Dubois G. **Ann Parasitol Hum Comp** 1983;58(6):549-56 (Eng. Abstr.) **(Fre)**

[Trematodes of the genera Mesostephanus Lutz, 1935 and Mesostephanoides Dubois, 1951 (Strigeata: Cyathocotyloidea)] Dubois G. **Ann Parasitol Hum Comp** 1982;57(4):329-43 (Eng. Abstr.) **(Fre)**

[Acanthocolpidae (Digenea) from fish from the coast of Mozambique] Reimer LW. **Angew Parasitol** 1983 Aug; 24(3):134-46 (Eng. Abstr.) **(Ger)**

CYTOLOGY

[Presence of a single axoneme in spermatozoa of 3 families of Monogenea Monopisthocotylea: Ancyrocephalidae, Diplectanidae and Monocotylidae] Justine J, et al. **Ann Parasitol Hum Comp** 1982;57(4):419-20 **(Fre)**

DRUG EFFECTS

[Effect of anthelmintic preparations on the carbohydrate metabolism of the trematode Eurytrema pancreaticum] Vykhrestiuk NP, et al. **Med Parazitol (Mosk)** 1984 Jan-Feb; (1):64-8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Fumarate reductase in the mitochondria of the trematode Calicophoron ijimai] Iarygina GV, et al. **Parazitologiia** 1983 Jul-Aug;17(4):278-82 (Eng. Abstr.) **(Rus)**

[Enzyme activity of metacercariae in the genus Diplostomum (Trematoda, Diplostomidae)] Okopnyi NS, et al. **Parazitologiia** 1984 May-Jun;18(3):228-32 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The population dynamics of Gyrodactylus bullatarudis (Monogenea) within laboratory populations of the fish host Poecilia reticulata. Scott ME, et al. **Parasitology** 1984 Aug; 89 (Pt 1):159-94

[Populations or species? Research on the significance of the transmission of Trematoda Lepocreadiinae (T. Odhner, 1905) in 2 marine ecosystems] Bartoli P. **Ann Parasitol Hum Comp** 1983;58(2):117-39 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Gorgoderina vitelliloba: interaction with frog leucocytes in vivo and in vitro. Hoole D, et al. **Exp Parasitol** 1984 Jun; 57(3):225-33

Antigenic and dynamic properties of helminth surface structures. Philipp M, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):245-68 (127 ref.)

Immunity of schistosomes using heterologous trematode antigens--a review. Hillyer GV. **Vet Parasitol** 1984 Jun; 14(3-4):263-83 (55 ref.)

ISOLATION & PURIFICATION

Helminths of striped bass (Morone saxatilis) from the Kouchibouguac River, New Brunswick. Hogans WE. **J Wildl Dis** 1984 Jan;20(1):61-3

Digenetic trematodes of percoid fishes of Florianópolis, southern Brazil--Pleorchiidae, Didymozoidae, and Hemiuridae, with the description of three new species. Amato JF. **Rev Bras Biol** 1983 Feb;43(1):99-124

Digenetic trematodes of percoid fishes of Florianópolis, southern Brazil--Acanthocolpidae. Amato JF. **Rev Bras Biol** 1983 Feb;43(1):65-71

Digenetic trematodes of percoid fishes of Florianópolis, southern Brazil--Homalometridae, Lepocreadiidae, and Opecoelidae, with the description of seven new species. Amato JF. **Rev Bras Biol** 1983 Feb;43(1):73-98

[Stephanoprora denticulata (Trematoda, Echinostomatidae) in gulls from the south of Chile] Torres P, et al. **Bol Chil Parasitol** 1983 Jan-Jun;38(1-2):33-4 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Hot film anemometry: applied to the study of the activity of lamellibranch mollusks, the vectors of trematodes] Lambert A, et al. **Ann Parasitol Hum Comp** 1984; 59(2):209-11 **(Fre)**

PATHOGENICITY

Histochemical and thin-layer chromatographic analyses of neutral lipids in various host sites infected with Leucochloridiomorpha constantiae (Trematoda). Fried B, et al. **Comp Biochem Physiol [B]** 1984;78(1):175-7

PHYSIOLOGY

Egg shell formation by vitelline globules or by uterus. An introspection. Bhatnagar AK, et al. **Acta Morphol Neerl Scand** 1984 Mar;22(1):75-83

Site-finding of Leucochloridiomorpha constantiae (Trematoda) metacercariae to the bursa of Fabricius of the domestic chick. Fried B, et al. **J Parasitol** 1984 Apr; 70(2):308-9

Longevity of Pharyngostomoides procyonis (Strigeoidea: Diplostomatidae) in the raccoon, Procyon lotor. Miller GC. **J Parasitol** 1984 Apr;70(2):284-5

Migration of Alaria marcianae (Trematoda) in domestic cats. Shoop WL, et al. **J Parasitol** 1983 Oct;69(5):912-7

Control of swimming in cercariae of Proterometra macrostoma (Digenea). Uglem GL, et al. **J Parasitol** 1983 Oct;69(5):866-70

[Host-parasite relations of the trematode Microphallus papillorobustus (Rankin 1940). III Factors involved in the behavioral changes of the Gammarus, intermediate hosts and predator tests] Helluy S. **Ann Parasitol Hum Comp** 1984;59(1):41-56 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Scanning electron microscopy of the trematode Hasstilesia ovis. Zdárská Z, et al. **Folia Parasitol (Praha)** 1983; 30(4):341-4

Tegumental changes of Alaria marcianae (Trematoda) during migration in the domestic cat. Shoop WL, et al. **J Parasitol** 1984 Apr;70(2):244-52

A stereological analysis of the tegumental mitochondria in Corrigia vitta (Trematoda: Dicrocoeliidae). Robinson RD, et al. **Parasitology** 1984 Jun;88 (Pt 3):439-47

The electron microprobe analysis of sprayed microdroplets of solubilized biological tissues: a useful preliminary to localization studies. Morgan AJ. **Scan Electron Microsc** 1983;(Pt 2):861-72

[Scanning electron microscopy of the cuticular spines of Pagumogonimus heterorchis] Zhou SL. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):191 **(Chi)**

[Ultrastructure of the spermatozoon of the monogenean Hexostoma (Polyopisthocotylea, Hexostomatidae)] Justine JL, et al. **Ann Parasitol Hum Comp** 1984;59(3):227-9 (Eng. Abstr.) **(Fre)**

TREMATODE INFECTIONS

BLOOD

Effect of Nephrostomum ranosum and Apharyngostrigea ibis on serum, proteins and uric acid of the Egyptian heron. Mansour MA, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):275-81

DIAGNOSIS

Human infection with the pancreas fluke, Eurytrema pancreaticum. Ishii Y, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):1019-22

Intestinal trematodiasis in falcons (order Falconiformes). Greenwood AG, et al. **Vet Rec** 1984 May 12;114(19):477-8

DRUG THERAPY

Praziquantil in treatment of heterophyiasis (a preliminary study) [letter] Abo-Shady AF, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):629-30

Praziquantel and refugee health. Weniger BG, et al. **JAMA** 1984 May 11;251(18):2391-2

Field trial on the treatment of fasciolopsiasis with praziquantel. Bunnag D, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):216-9

[Prospective trends in the chemotherapy of trematodiasis] Baiandina DG, et al. **Med Parazitol (Mosk)** 1983 Sep-Oct; (5):78-81 (50 ref.) (Eng. Abstr.) **(Rus)**

[Praziquantel: a world-wide clinical experience] de Rezende GL. **Bol Chil Parasitol** 1983 Jul-Dec;38(3-4):52-63 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

A trial to induce acquired protection against Schistosoma mansoni by experimental heterophyid infection. Youssef M, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):239-46

OCCURRENCE

Epidemiology of Fasciolopsis buski in Uttar Pradesh. Chandra SS. **Indian J Med Res** 1984 Jan;79:55-9

[A preliminary study on epidemiology of fasciolopsiasis in Tainan Hsien, south Taiwan] Shyu LY, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 May;17(2):118-20 (Eng. Abstr.) **(Chi)**

PARASITOLOGY

Scanning electron microscopy of Echinostoma revolutum (Trematoda) during development in the chick embryo and the domestic chick. Fried B, et al. **Int J Parasitol** 1984 Feb;14(1):75-81

Migration of Alaria marcianae (Trematoda) in domestic cats. Shoop WL, et al. **J Parasitol** 1983 Oct;69(5):912-7

Tegumental changes of Alaria marcianae (Trematoda) during migration in the domestic cat. Shoop WL, et al. **J Parasitol** 1984 Apr;70(2):244-52

Haplorchis pumilio (Looss) infection in man in northeastern Thailand. Radomyos P, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):223-7

[Experimental infection of Pagumogonimus skrjabini metacercaria in cats] Xiang XS. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):146 **(Chi)**

[Ascocotyle coleostoma colic distomiasis. The 1st world case or the follow-up of a tropical pathology congress in Egypt (letter)] Rousset JJ, et al. **Presse Med** 1983 Oct 22; 12(37):2331-2 **(Fre)**

[Biology of Paramphistomum petrowi--a parasite of axis deer in the Maritime Territory] Dvoriadkin VA, et al. **Parazitologiia** 1983 Jul-Aug;17(4):311-4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Thymus-independent crypt hyperplasia and villous atrophy in the small intestine of mice infected with the trematode Echinostoma revolutum. Bindseil E, et al. **Parasitology** 1984 Jun;88 (Pt 3):431-8

TRANSMISSION

Transmammary infection of paratenic and definitive hosts with Alaria marcianae (trematoda) mesocercariae. Shoop WL, et al. **J Parasitol** 1983 Aug;69(4):731-5

Transmammary infection of newborn by larval trematodes. Shoop WL, et al. **Science** 1984 Mar 9;223(4640):1082-3

VETERINARY

Enzootic schistosomiasis in a Louisiana armadillo. Krotoski WA, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):269-72

Comparative pathologic features and development of Sphaeridiotrema globulus (Trematoda) infections in the mute swan and domestic chicken and chicken chorioallantois. Huffman JE, et al. **Am J Vet Res** 1984 Feb; 45(2):387-91

Lintonium vibex (Linton, 1900) (Trematoda, Fellodistomidae) parasitizing Stephanolepis hispidus (Pisces, Balistidae). Fernandes BM, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):539-40

Haematological changes in Ardeola ibis ibis (heron) naturally infected with Nephrostomum ranosum and Apharyngostrigea ibis. Mansour MA, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):455-63

Longevity of Pharyngostomoides procyonis (Strigeoidea: Diplostomatidae) in the raccoon, Procyon lotor. Miller GC. **J Parasitol** 1984 Apr;70(2):284-5

Archinephric duct lesions caused by Phyllodistomum superbum and P. lysteri (Digenea: Gorgoderidae) in catostomid fishes. Gleason LN, et al. **J Wildl Dis** 1983 Jul; 19(3):277-9

Fatal enteritis caused by Sphaeridiotrema globulus (Trematoda: Psilostomidae) in a whistling swan. Roscoe DE, et al. **J Wildl Dis** 1983 Oct;19(4):370-1

Metorchis conjunctus (Cobbold, 1860) infection in wolves (Canis lupus), with pancreatic involvement in two animals. Wobeser G, et al. **J Wildl Dis** 1983 Oct;19(4):353-6

The population dynamics of Gyrodactylus bullatarudis (Monogenea) within laboratory populations of the fish host Poecilia reticulata. Scott ME, et al. **Parasitology** 1984 Aug; 89 (Pt 1):159-94

[Piscicultural losses due to weight decrease in yearly coregonids in lake fisheries infected with Diplostomum metacercaria] Razmashkin DA, et al. **Parazitologiia** 1984 May-Jun;18(3):220-7 (Eng. Abstr.) **(Rus)**

[Stephanoprora denticulata (Trematoda, Echinostomatidae) in gulls from the south of Chile] Torres P, et al. **Bol Chil Parasitol** 1983 Jan-Jun;38(1-2):33-4 (Eng. Abstr.) **(Spa)**

TREMOR

Predictions of the existence, frequency, and amplitude of physiological tremor in normal man based on measured frequency-response characteristics. Zahalak GI, et al. **J Biomech Eng** 1983 Aug;105(3):249-57

CEREBROSPINAL FLUID

Parkinson's disease and benign essential tremor: somatostatin-like immunoreactivity in the cerebrospinal fluid. Christensen SE, et al. **Adv Neurol** 1984;40:325-31

CHEMICALLY INDUCED

Hyperammonemia in asterixis induced by carbamazepine: two case reports. Ambrosetto G, et al. **Acta Neurol Scand** 1984 Mar;69(3):186-9

Tremor of the eyelids [letter] Barbaro AC. **Br J Psychiatry** 1984 Apr;144:437-8

Rapid eyelid tremor after a massive phenothiazine overdose [letter] Freed ED. **Br J Psychiatry** 1984 Feb;144:216-7

Rapid tremor of the eyelids after overdose of fluphenazine [letter] Freed ED. **Br J Psychiatry** 1983 Nov;143:525-6

Tremor [letter] Johns S, et al. **Br Med J [Clin Res]** 1984

Apr 28;288(6426):1309
Plasma concentration and side-effects of terbutaline. Bengtsson B. **Eur J Respir Dis [Suppl]** 1984;134:231-5
Comparison of beta 2-adrenoceptor stimulation in bronchial and skeletal muscle in experimental and clinical studies. Löfdahl CG, et al. **Eur J Respir Dis [Suppl]** 1984;135:124-7
Effects of bombesin, vasoactive intestinal peptide and neurotensin on TRH-induced body shaking in rats. Katsuura G, et al. **Experientia** 1984 May 15;40(5):509-10
Neuropsychiatric sequelae and cephalothin [letter] Tollefson G. **J Clin Psychiatry** 1984 Feb;45(2):96
Lithium and phenytoin interaction [letter] Raskin DE. **J Clin Psychopharmacol** 1984 Apr;4(2):120
Biochemical investigation on the abnormal behaviors induced by fumitremorgin A, a tremorgenic mycotoxin to mice. Yamazaki M, et al. **J Pharmacobiodyn** 1983 Oct; 6(10):748-51
N-carbamoyl-2-(2,6-dichlorophenyl) acetamidine hydrochloride (LON-954), a tremorogen, on rat diaphragm. Vedasiromoni JR, et al. **Jpn J Pharmacol** 1984 Mar;34(3):353-5
Ethanol effects on harmaline-induced tremor and increase of cerebellar cyclic GMP. Rappaport MS, et al. **Life Sci** 1984 Jan 2;34(1):49-56
Hypersensitivity to the tremorogenic action of nicotine in rats withdrawn from ethanol. Gothóni P. **Med Biol** 1983; 61(6):344-5
Coarse, jerky foot tremor: tremographic investigation of an objective sign of acute akathisia. Braude WM, et al. **Psychopharmacology (Berlin)** 1984;82(1-2):95-101
Studies on the possible sites of chlordecone-induced tremor in rats. Gerhart JM, et al. **Toxicol Appl Pharmacol** 1983 Sep 30;70(3):382-9
Effects of chlordecone exposure on brain neurotransmitters: possible involvement of the serotonin system in chlordecone-elicited tremor. Hong JS, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):336-44

COMPLICATIONS

Tremor as a feature of chronic relapsing and dysgammaglobulinemic polyneuropathies. Incidence and management. Dalakas MC, et al. **Arch Neurol** 1984 Jul; 41(7):711-4
[An autopsy case of dementia with amyotrophy, tremor and myoclonic twitching] Shiokawa T, et al. **Rinsho Shinkeigaku** 1984 Feb;24(2):152-8 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Orthostatic tremor. Heilman KM. **Arch Neurol** 1984 Aug; 41(8):880-1
Tremor. Hern JE. **Br Med J [Clin Res]** 1984 Apr 7; 288(6423):1072-3
A new ambulatory monitoring system for tremor. Pimlott RM, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):694-5
Automatic method to detect and determine the preferential frequency of EMG signals from patients with pathological tremours. Journée HL, et al. **Med Biol Eng Comput** 1984 Jul;22(4):322-5
Improvement of the detectability of simulated pathological tremour e.m.g.s by means of demodulation and spectral analysis. Journée HL, et al. **Med Biol Eng Comput** 1983 Sep;21(5):587-90

DRUG THERAPY

The effect of the GABA-agonist, progabide, on benign essential tremor. A controlled clinical trial. Mondrup K, et al. **Acta Neurol Scand** 1983 Oct;68(4):248-52
Beta-blockers in isoproterenol-enhanced essential tremor. Teräväinen H. **Acta Neurol Scand** 1984 Feb;69(2):125-7
Metoprolol compared with propranolol in the treatment of essential tremor. Koller WC, et al. **Arch Neurol** 1984 Feb; 41(2):171-2
Pharmacologic trials in the treatment of cerebellar tremor. Koller WC. **Arch Neurol** 1984 Mar;41(3):280-1
Tremor [letter] Findley LJ, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1536-7
A double-blind trial of clonazepam in benign essential tremor. Thompson C, et al. **Clin Neuropharmacol** 1984; 7(1):83-8
Treatment of lithium-induced tremor with nadolol. Kruse JM, et al. **Clin Pharm** 1984 May-Jun;3(3):299-301
Metoprolol and alpha-hydroxymetoprolol concentrations and reduction in essential tremor. Gengo FM, et al. **Clin Pharmacol Ther** 1984 Sep;36(3):320-5
Beta adrenoreceptor antagonists in essential tremor [letter] **Lancet** 1984 Apr 14;1(8381):856-7
Beta-adrenoreceptor antagonists in essential tremor [editorial] **Lancet** 1983 Nov 26;2(8361):1234-5
Drugs for Parkinson's disease reduce tremor induced by physostigmine. Gothóni P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):205-10
INH in multiple sclerosis [letter] **Neurology (NY)** 1984 Jan; 34(1):134-5
Propranolol therapy for essential tremor of the head. Koller WC. **Neurology (NY)** 1984 Aug;34(8):1077-9
Effect of alcohol on tremors: comparison with propranolol. Koller WC, et al. **Neurology (NY)** 1984 Feb;34(2):221-2
Comparison of metoprolol and propranolol in the treatment of lithium tremor [letter] Zubenko GS, et al. **Psychiatry Res** 1984 Feb;11(2):163-4
Essential tremor—successful treatment with aminophylline. A case report. Sandyk R. **S Afr Med J** 1983 Oct 8; 64(16):639
Effects of variations in time pattern of nitrogen addition on development of HPNS in mice. Brauer RW, et al. **Undersea Biomed Res** 1983 Dec;10(4):281-98

ETIOLOGY

Physiologic tremor and microsurgery. Harwell RC, et al. **Microsurgery** 1983;4(3):187-92
Reversal of pressure-induced tremors in rats by step decompression and by inert gases. Bell PY, et al. **Undersea Biomed Res** 1984 Mar;11(1):25-36
[Chorea and Vaquez's disease. Apropos of a case associated with extrapyramidal tremor] Tannier C, et al. **Sem Hop Paris** 1983 Nov 24;59(43):2991-4 (Eng. Abstr.) **(Fre)**
[Immunopathogenesis of polyneuropathies in paraproteinemia] Meier C, et al. **Dtsch Med Wochenschr** 1984 May 25;109(21):828-33 (Eng. Abstr.) **(Ger)**
[Tremor reaction to mental and emotional stress] Haider E, et al. **Int Arch Occup Environ Health** 1983;53(2):175-9 (Eng. Abstr.) **(Ger)**
[Ketone body deficiency as a possible cause of neonatal tremor] Levi N, et al. **Minerva Pediatr** 1983 Oct 31; 35(20):977-82 (Eng. Abstr.) **(Ita)**
[Clinical study of tremor] Kouyoumdjian JA, et al. **Rev Paul Med** 1984 Jan-Feb;102(1):13-5 (Eng. Abstr.) **(Por)**
[Unusual tremor in a patient with a local lesion of the brain] El'ner AM, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):530-3 (Eng. Abstr.) **(Rus)**
[Tremor] Marttila R, et al. **Nord Med** 1984;99(3):68-71 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

The relation of essential tremor to Parkinson's disease. Marttila RJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):734-5
Comparison of Trembler and Trembler-J mouse phenotypes: varying severity of peripheral hypomyelination. Henry EW, et al. **J Neuropathol Exp Neurol** 1983 Nov; 42(6):688-706
'Shaking pups': a disorder of central myelination in the spaniel dog. IV. Freeze-fracture electron microscopic studies of axons, oligodendrocytes and astrocytes in the spinal cord white matter. Bray GM, et al. **Neuropathol Appl Neurobiol** 1983 Sep-Oct;9(5):369-78
'Shaking pups': a disorder of central myelination in the spaniel dog. III. Quantitative aspects of glia and myelin in the spinal cord and optic nerve. Duncan ID, et al. **Neuropathol Appl Neurobiol** 1983 Sep-Oct;9(5):355-68
[Seven families with heredofamilial tremor and epilepsy] Kudo J, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):1-8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Action tremor as a manifestation of chylomicron retention disease [letter] Gauthier S, et al. **Ann Neurol** 1983 Nov; 14(5):591

OCCURRENCE

Essential tremor in Rochester, Minnesota: a 45-year study. Rajput AH, et al. **J Neurol Neurosurg Psychiatry** 1984 May; 47(5):466-70

PATHOLOGY

Experimental tremor produced by ventromedial tegmental lesion in monkeys. Neuroanatomical study. Nakaoka T. **Appl Neurophysiol** 1983;46(1-4):92-106
Myorhythmia: a widespread movement disorder. Clinicopathological correlations. Masucci EF, et al. **Brain** 1984 Mar;107 (Pt 1):53-79
[Experimental tremor induced by VMT lesion in monkeys—neuroanatomical study] Nakaoka T. **No Shinkei Geka** 1983 Jul;11(7):713-21 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Neural activity states in different forms of physiological tremor. Facts and hypotheses. Windhorst U. **Biol Cybern** 1984;50(2):143-54
An assessment of physiological finger tremor as an indicator of beta-adrenoceptor function. Arnold JM, et al. **Br J Clin Pharmacol** 1983 Aug;16(2):167-74
Essential tremor. Larsen TA, et al. **Clin Neuropharmacol** 1983;6(3):185-206
Exploring the functional significance of physiological tremor: a biospectroscopic approach. Goodman D, et al. **Exp Brain Res** 1983;49(3):419-31
Dependence of cerebellar tremor on proprioceptive but not visual feedback. Flament D, et al. **Exp Neurol** 1984 May; 84(2):314-25
Sympathetic activity in benign familial tremor [letter] Warren JB, et al. **Lancet** 1984 Feb 25;1(8374):461-2
Action tremor with alternating activity in antagonist muscles. Sabra AF, et al. **Neurology (NY)** 1984 Feb;34(2):151-6
Spectral analysis of tremorine and cold tremor electromyograms in animal species of different size. Günther H, et al. **Pflugers Arch** 1983 Nov;399(3):180-5
Quantitative analysis of tremor in Minamata disease. Yamanaga H. **Tohoku J Exp Med** 1983 Sep;141(1):13-22
[The effect of hydantoins on normal postural tremor] Kadaňka Z. **Cesk Neurol Neurochir** 1983 Nov;46(6):385-90 (Eng. Abstr.) **(Cze)**
[Harmaline tremor: topography of activity in the cerebellar cortex in rats] Bernard JF. **C R Seances Acad Sci [III]** 1983;297(4):225-8 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Potentiation by naloxone of the anti-oxotremorine effect of L-DOPA. Quock RM, et al. **Eur J Pharmacol** 1983 Nov 25;95(3-4):193-8

PSYCHOLOGY

Alcohol consumption of patients with essential tremor. Rautakorpi I, et al. **Acta Neurol Scand** 1983 Sep;68(3):177-9

SURGERY

The correlation between tremor characteristics and the predicted volume of effective lesions in stereotaxic nucleus ventralis intermedius thalamotomy. Hirai T, et al. **Brain** 1983 Dec;106 (Pt 4):1001-18
Stereotactic thalamotomy for the relief of intention tremor of multiple sclerosis. Speelman JD, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):596-9

VETERINARY

Neurological syndrome in the ferret (Mustela putorius furo). Niemi SM, et al. **Vet Rec** 1984 May 5;114(18):455-6
Tremorgenic fungal toxins. Shreeve BJ, et al. **Vet Res Commun** 1983 Dec;7(1-4):155-60
Porcine congenital tremor type AI: spinal cord morphometry. Done JT, et al. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):81-90

TREMORINE

PHARMACODYNAMICS

Spectral analysis of tremorine and cold tremor electromyograms in animal species of different size. Günther H, et al. **Pflugers Arch** 1983 Nov;399(3):180-5

TRENBOLONE see under **ESTRENES**

TRENCH FEVER

Trench fever. A resumé of literature and a note on some obscure phases of the disease. Liu WT. **Chin Med J [Engl]** 1984 Mar;97(3):179-90 (49 ref.)

MICROBIOLOGY

Antibiotic susceptibility patterns in Rochalimaea quintana, the agent of trench fever. Myers WF, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):690-3

TRENCH MOUTH see **GINGIVITIS, NECROTIZING ULCERATIVE**

TREPHINING

Effect of cranioplasty on cerebrospinal fluid hydrodynamics in patients with the syndrome of the trephined. Fodstad H, et al. **Acta Neurochir (Wien)** 1984;70(1-2):21-30

ADVERSE EFFECTS

[Subdural tension pneumocephalus after trephination for chronic subdural hematoma] Suda K, et al. **No To Shinkei** 1984 Feb;36(2):127-30 (Eng. Abstr.) **(Jpn)**

HISTORY

Neurosurgical pathology in prehistory. Campillo D. **Acta Neurochir (Wien)** 1984;70(3-4):275-90
[Trephined skull from the Dargavs 'City of the Dead' necropolis in the North Osetian village of Dargavs] Kopshitser IZ. **Zh Vopr Neirokhir** 1983 Jul-Aug;(4):61-2 **(Rus)**

INSTRUMENTATION

Vertebral trephine: a new instrument for anterior cervical fusion. Technical note. Mann KS. **J Neurosurg** 1984 Jun; 60(6):1315-6
[Unit for studying parameters in the process of bone cutting] Zelenov ES, et al. **Med Tekh** 1984 Mar-Apr;(2):50-1 (Eng. Abstr.) **(Rus)**

METHODS

Trephine technique to obtain cancellous bone. Tilley MG, et al. **J Oral Maxillofac Surg** 1984 Jan;42(1):64-5
[Percutaneous trephination with spinal needle for ventriculocentesis] Xu WL. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):767 (Eng. Abstr.) **(Chi)**

REHABILITATION

[Rehabilitation of patients with defects of the bones of the skull after craniocerebral injury] Gur'ev VN.
Zh Nevropatol Psikhiatr 1984;84(5):687–92 (Eng. Abstr.) **(Rus)**

TREPONEMA

Demonstration of the in vitro phagocytosis of Treponema denticola by human polymorphonuclear neutrophils. Lingaas E, et al.
Acta Pathol Microbiol Immunol Scand [B] 1983 Oct; 91(5):333–7

ANALYSIS

Comparison of major protein antigens and protein profiles of Treponema pallidum and Treponema pertenue. Thornburg RW, et al. **Infect Immun** 1983 Nov;42(2):623–7

CYTOLOGY

Colonial morphology of treponemes observed by electron microscopy. Umemoto T, et al. **Microbiol Immunol** 1984; 28(1):11–22

GROWTH & DEVELOPMENT

Albumin requirement of Treponema denticola and Treponema vincentii. Van Horn KG, et al.
Can J Microbiol 1983 Sep;29(9):1141–8
A proposed life cycle for the Reiter treponeme. Al-Qudah AA, et al. **J Appl Bacteriol** 1983 Dec;55(3):417–28
Evaluation of serum-containing substrates for cultivation of oral spirochetes. Fiehn NE, et al. **J Periodont Res** 1984 Jan;19(1):61–6

IMMUNOLOGY

Detecting anti-Treponema hyodysenteriae antibodies in swine serum using immunofluorometry. Schlink GT, et al. **Can J Comp Med** 1983 Jul;47(3):320–7
Treponemal antigens and their use in syphilis serological tests. Pedersen NS. **Dan Med Bull** 1984 Jun;31(3):227–39
Molecular basis of immunological cross-reactivity between Treponema pallidum and Treponema pertenue. Baker-Zander SA, et al. **Infect Immun** 1983 Nov; 42(2):634–8
Suppression of human lymphocyte responses by oral spirochetes: a monocyte-dependent phenomenon. Shenker BJ, et al. **J Immunol** 1984 Apr;132(4):2039–45
Swine dysentery: protection against experimental challenge following single dose parenteral immunisation with inactivated Treponema hyodysenteriae. Fernie DS, et al. **Res Vet Sci** 1983 Sep;35(2):217–21

ISOLATION & PURIFICATION

Comparison of stained smears and culturing for identification of Treponema hyodysenteriae. Olson LD, et al.
J Clin Microbiol 1983 Oct;18(4):950–5
[Occurrence of treponemas in swine. 1. Cultural demonstration and resistance testing] Meier C, et al.
Berl Munch Tierarztl Wochenschr 1984 Apr 1;97(4):131–4 (Eng. Abstr.) **(Ger)**

METABOLISM

Glucose metabolism of Treponema bryantii, an anaerobic rumen spirochete. Stanton TB. **Can J Microbiol** 1984 May; 30(5):526–31

PATHOGENICITY

Virulence factors of 'Treponema hyodysenteriae': newer contributions [letter] Fumarola D, et al.
Boll Ist Sieroter Milan 1983 Mar 31;62(1):117–8
Suppression of fibroblast proliferation by oral spirochetes. Boehringer H, et al. **Infect Immun** 1984 Jul;45(1):155–9
Attachment of Treponema denticola to cultured human epithelial cells. Olsen I. **Scand J Dent Res** 1984 Feb; 92(1):55–63
[The epizootic basis of swine dysentery] Blaha T, et al.
Zentralbl Veterinarmed [B] 1984 Jul;31(6):451–65 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Scanning and transmission electron microscopy of the phagocytosis of Treponema denticola and Escherichia coli by human neutrophils in vitro. Olsen I, et al.
Scand J Dent Res 1984 Aug;92(4):282–93
[Occurrence of treponemas in swine. 2. Characterization of treponema strains based on their hemolyzing and serological properties as well as indole formation and virulence testing] Amtsberg G, et al.
Berl Munch Tierarztl Wochenschr 1984 May 1;97(5):171–6 (Eng. Abstr.) **(Ger)**

TREPONEMA IMMOBILIZATION TEST

Treponemal tests and immunoglobulins in the cerebrospinal fluid of patients with secondary syphilis. Polnikorn N, et al. **J Med Assoc Thai** 1983 Oct;66(10):606–10

HISTORY

The demonstration of the immobilizing antibody for Treponema pallidum (TPI test). Kampmeier RH.
Sex Transm Dis 1983 Oct–Dec;10(4):205–7

METHODS

[Diagnostic value of the Treponema pallidum immobilization test (by a quantitative technic)] Eloian AG.
Vestn Dermatol Venerol 1984 Jun;(6):25–6 (Eng. Abstr.) **(Rus)**

TREPONEMA PALLIDUM

[Further study of the interaction between cellular elements of a chancre and Treponema pallidum] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):30–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Comparison of major protein antigens and protein profiles of Treponema pallidum and Treponema pertenue. Thornburg RW, et al. **Infect Immun** 1983 Nov;42(2):623–7
Lack of endotoxin in Borrelia hispanica and Treponema pallidum. Hardy PH Jr, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):47–52

CLASSIFICATION

[Treponema pallidum or Spirochaeta pallida?] Klingmüller G. **Hautarzt** 1983 Dec;34(12):628–31 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Enumeration of Treponema pallidum cells cultivated in vitro by an enzyme-linked immunosorbent assay. Cox DL, et al. **Infect Immun** 1984 Apr;44(1):103–6

DRUG EFFECTS

Treponemicidal levels of amoxicillin in cerebrospinal fluid after oral administration. Faber WR, et al.
Sex Transm Dis 1983 Jul–Sep;10(3):148–50
[A method for evaluating the activity of antibiotics during the early phase of syphilitic infection] Poitevin M, et al.
Pathol Biol (Paris) 1984 Jun;32(5 Pt 2):576–80 (Eng. Abstr.) **(Fre)**
[Effect of surface-active agents on agents of venereal diseases] Krivoshein IuS, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):30–3 (Eng. Abstr.) **(Rus)**
[Use of surface active agents for prevention of experimental syphilis] Skuratovich AA, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):29–32 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Further evidence for hyaluronidase activity of Treponema pallidum. Fitzgerald TJ, et al. **Can J Microbiol** 1983 Nov; 29(11):1507–13

GENETICS

Molecular cloning and expression of Treponema pallidum DNA in Escherichia coli K-12. van Embden JD, et al. **Infect Immun** 1983 Oct;42(1):187–96

IMMUNOLOGY

Rapidly progressive glomerulonephritis in a patient with syphilis. Identification of antitreponemal antibody and treponemal antigen in renal tissue. Walker PD, et al.
Am J Med 1984 Jun;76(6):1106–12
The role of protein component of T. pallidum in inducing skin reaction for delayed hypersensitivity. Podwińska J. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):887–93
Characterization of anti-treponemal lymphotoxin from lymphocytes of syphilitic rabbits. Podwińska J, et al.
Arch Immunol Ther Exp (Warsz) 1984;32(1):29–36
Immune serum confers protection against syphilitic infection on hamsters. Azadegan AA, et al. **Infect Immun** 1983 Oct; 42(1):42–7
Molecular basis of immunological cross-reactivity between Treponema pallidum and Treponema pertenue.
Baker-Zander SA, et al. **Infect Immun** 1983 Nov; 42(2):634–8
Monoclonal antibody analysis of specific antigenic similarities among pathogenic Treponema pallidum subspecies. Marchitto KS, et al. **Infect Immun** 1984 Sep;45(3):660–6
Molecular analysis of immunoglobulins M and G immune response to protein antigens of Treponema pallidum in human syphilis. Moskophidis M, et al. **Infect Immun** 1984 Jan;43(1):127–32
Cloning and expression of Treponema pallidum (Nichols) antigen genes in Escherichia coli. Norgard MV, et al.
Infect Immun 1983 Nov;42(2):435–45
Response of syphilitic rabbits to reinfection with homologous and heterologous Treponema pallidum strains. Strugnell RA, et al. **Infect Immun** 1984 Sep;45(3):561–5
Comparative evaluation of commercial fluorescent treponemal antibody-absorbed test kits. Beebe JL, et al. **J Clin Microbiol** 1984 Jun;19(6):789–93
Evaluation of the hemagglutination treponemal test for syphilis. Moyer NP, et al. **J Clin Microbiol** 1984 Jun; 19(6):849–52
Reactions of extracts of Reiter treponeme with syphilitic and non-syphilitic human sera in the single radial haemolysis technique. Al-Qudah AA, et al. **J Med Microbiol** 1984 Jun;17(3):273–82
Relationship between neurological features and intrathecal synthesis of IgG antibodies to Treponema pallidum in untreated and treated human neurosyphilis. Prange HW, et al. **J Neurol** 1983;230(4):241–52
Immunization of rabbits with Spirochaeta aurantia does not induce resistance to Treponema pallidum. Graves S, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):1–5
[Quantitative determination of FTA abs IgM in different stages of syphilis before and after treatment] Lefèvre JC, et al. **Ann Dermatol Venereol** 1983;110(5):425–30 (Eng. Abstr.) **(Fre)**
[Incidence and diagnostic significance of reactive syphilis antibodies in systemic lupus erythematodes and other immunologic diseases] Hagedorn HJ, et al. **Z Hautkr** 1984 Mar 1;59(5):301–2, 305–7, 310–2 (Eng. Abstr.) **(Ger)**
[Treponema pallidium IgM enzyme-linked immunosorbent assay (TP-IgM-ELISA). Determination of organism-specific Treponema IgM antibodies in the serum of syphilis patients with and without central nervous system involvement of the infection] Müller F. **Z Hautkr** 1983 Dec 1;58(23):1689–708 (Eng. Abstr.) **(Ger)**
[1st results with the Treponema pallidum hemagglutination (TPHA) test in blood stains] Keil W, et al.
Z Rechtsmed 1984;91(4):247–53 (Eng. Abstr.) **(Ger)**
[Results with the IgM-FTA-Abs and IgM-TPHA tests in the study of seropositive syphilitic sera] Brade V, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):521–7 (Eng. Abstr.) **(Ger)**
[The FTA-ABS and MHA-TP treponemal tests in the serological diagnosis of syphilis] Fraile Fariñas MT, et al.
Rev Sanid Hig Publica (Madr) 1983 May–Jun; 57(5–6):525–30 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Improved methods for the demonstration of Treponema pallidum in the tissues. Nakamura S, et al.
J Dermatol (Tokyo) 1983 Oct;10(5):433–7
Transfusion syphilis, survival of Treponema pallidum in donor blood. I. Report of an orientating study. van der Sluis JJ, et al. **Vox Sang** 1984;47(3):197–204
[Sensitivity of the serum TPHA reaction and its diagnostic usefulness in late syphilis] Monsiorska-Borowska Z.
Przegl Dermatol 1983 Mar–Apr;70(2):169–75 (Eng. Abstr.) **(Pol)**
[Studies on the sensitivity of the cerebrospinal fluid TPHA reaction and the diagnostic usefulness of this method in late syphilis] Monsiorska-Borowska Z. **Przegl Dermatol** 1983 Jan–Feb;70(1):73–9 (Eng. Abstr.) **(Pol)**

METABOLISM

Susceptibility of Treponema pallidum to the toxic products of oxygen reduction and the non-treponemal nature of its catalase. Steiner B, et al. **Br J Vener Dis** 1984 Feb; 60(1):14–22
Treponema pallidum does not synthesise in vitro a capsule containing glycosaminoglycans or proteoglycans. Strugnell RA, et al. **Br J Vener Dis** 1984 Feb;60(1):8–13
Effect of sugars and metabolic intermediates on the attachment of Treponema pallidum to rabbit cells. Wong GH, et al. **J Med Microbiol** 1984 Apr;17(2):121–8

PHYSIOLOGY

The role of respiratory protection on increased survival of Treponema pallidum (Nichols) when cocultivated with mammalian cells in vitro. Steiner B, et al.
Can J Microbiol 1983 Nov;29(11):1595–600
Is penicillin therapy always infallible in syphilis? Collart P, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):77–83

TREPONEMAL INFECTIONS

MICROBIOLOGY

Suppression of fibroblast proliferation by oral spirochetes. Boehringer H, et al. **Infect Immun** 1984 Jul;45(1):155–9

OCCURRENCE

General considerations on endemic treponematosis in the rural Sahel region of Upper Volta. Monjour L, et al.
Acta Trop (Basel) 1983 Dec;40(4):375–82

PATHOLOGY

Comparison of virulence of clones of two Trichomonas vaginalis strains by the subcutaneous mouse assay. Kuczyńska K, et al. **Z Parasitenkd** 1984;70(2):141–6
Experimental infection with Treponema hyodysenteriae in nude mice. Suenaga I, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Jul; 254(4):528–33

VETERINARY

Swine dysentery: the influence of dietary selenium on clinical and pathological effects of Treponema hyodysenteriae infection. Teige J Jr, et al. **Acta Vet Scand** 1984;25(1):1–9
Clinical course and treatment of venereal spirochaetosis in New Zealand white rabbits. DiGiacomo RF, et al.
Br J Vener Dis 1984 Aug;60(4):214–8

Detecting anti-Treponema hyodysenteriae antibodies in swine serum using immunofluorometry. Schlink GT, et al. **Can J Comp Med** 1983 Jul;47(3):320-7
Treponema paraluis-cuniculi infection in a commercial rabbitry: epidemiology and serodiagnosis. DiGiacomo RF, et al. **Lab Anim Sci** 1983 Dec;33(6):562-6
Swine dysentery: protection against experimental challenge following single dose parenteral immunisation with inactivated Treponema hyodysenteriae. Fernie DS, et al. **Res Vet Sci** 1983 Sep;35(2):217-21
Tiamulin injection for the treatment of swine dysentery. Burch DG, et al. **Vet Rec** 1983 Sep 10;113(11):236-7
[Pathogenesis of swine dysentery caused by Treponema hyodysenteriae] Pohlenz JF, et al. **DTW** 1983 Sep 8; 90(9):363-7 (Eng. Abstr.) **(Ger)**
[The epizootic basis of swine dysentery] Blaha T, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):451-65 (Eng. Abstr.) **(Ger)**

TRETAMINE see **TRIETHYLENEMELAMINE**

TRETINOIN

ADMINISTRATION & DOSAGE

Effect of retinoids on oral leukoplakia. Shah JP, et al. **Am J Surg** 1983 Oct;146(4):466-70
Phase I clinical trial of 13-cis-retinoic acid in myelodysplastic syndromes. Gold EJ, et al. **Cancer Treat Rep** 1983 Nov;67(11):981-6
Dose-response relationship in isotretinoin therapy for conglobate acne. van der Meeren HL, et al. **Dermatologica** 1983;167(6):299-303
Dependence of HL-60 myeloid cell differentiation on continuous and split retinoic acid exposures: precommitment memory associated with altered nuclear structure. Yen A, et al. **J Cell Physiol** 1984 Mar; 118(3):277-86
Lipid peroxide, alpha-tocopherol and retinoid levels in plasma and liver of rats fed diets containing beta-carotene and 13-cis-retinoic acid. Alam SQ, et al. **J Nutr** 1983 Dec; 113(12):2608-14
[The treatment of acne conglobata using 13-cis-retinoic acid (isotretinoin)] van der Schroeff JG, et al. **Ned Tijdschr Geneeskd** 1983 Oct 8;127(41):1857-62 (Eng. Abstr.) **(Dut)**
[Oral treatment of acne conglobata using 13-cis-retinoic acid. Results of the German multicentric study following 24 weeks of treatment] Meigel W, et al. **Hautarzt** 1983 Aug; 34(8):387-97 (Eng. Abstr.) **(Ger)**
[Treatment of acne vulgaris. Double-blind study of a combination of 5% benzoyl peroxide/2% miconazole (Acnidazil) and tretinoin 0.05%] Kavli G, et al. **Z Hautkr** 1984 Jul 1;59(13):882-7 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Early skeletal hyperostoses secondary to 13-cis-retinoic acid. Pennes DR, et al. **AJR** 1984 May;142(5):979-83
Transient acute myopia resulting from isotretinoin (accutane) therapy. Palestine AG. **Ann Ophthalmol** 1984 Jul;16(7):660, 662
Nonhealing erosions with granulation tissue in the treatment of acne lesions during isotretinoin therapy [letter] Spear KL, et al. **Arch Dermatol** 1984 Sep;120(9):1142
Changes in plasma cholesterol and triglyceride levels after treatment with oral isotretinoin. A prospective study. Zech LA, et al. **Arch Dermatol** 1983 Dec;119(12):987-93
Acute arthritis during isotretinoin treatment for acne. Matsuoka LY, et al. **Arch Intern Med** 1984 Sep; 144(9):1870-1
Use and abuse of Accutane, Roche [13-cis retinoic acid isotretinoin] in acne vulgaris--a personal perspective. Hansen RC. **Ariz Med** 1983 Jul;40(7):459-62
Granulomatous lesions appearing during isotretinoin therapy [letter] Lane PR, et al. **Can Med Assoc J** 1984 Mar 1; 130(5):550
Accutane Roche: risk of teratogenic effects [letter] Zarowny DP. **Can Med Assoc J** 1984 Aug 15;131(4):273
Isotretinoin dermatitis simulating acute pityriasis rosea. Helfman RJ, et al. **Cutis** 1984 Mar;33(3):297-300
Toxic hepatitis due to combination therapy with methotrexate and etretinate in psoriasis. Beck HI, et al. **Dermatologica** 1983;167(2):94-6
Isotretinoin: a reappraisal. Conner CS. **Drug Intell Clin Pharm** 1984 Apr;18(4):308-9
Adverse effects with isotretinoin. **FDA Drug Bull** 1983 Nov; 13(3):21-3
Paronychia and pyogenic granuloma-like lesions with isotretinoin [letter] Blumental G. **J Am Acad Dermatol** 1984 Apr;10(4):677-8
Retinoid therapy is associated with excess granulation tissue responses. Campbell JP, et al. **J Am Acad Dermatol** 1983 Nov;9(5):708-13
Isotretinoin therapy is associated with early skeletal radiographic changes. Ellis CN, et al. **J Am Acad Dermatol** 1984 Jun;10(6):1024-9
Vertebral abnormalities associated with synthetic retinoid use. Gerber LH, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):817-23
Elevated creatine phosphokinase with isotretinoin [letter] McBurney EI, et al. **J Am Acad Dermatol** 1984 Mar; 10(3):523-9
Isotretinoin and pregnancy. Stern RS, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):851-4 (9 ref.)
The isotretinoin teratogen syndrome. Benke PJ. **JAMA** 1984 Jun 22-29;251(24):3267-9
More cautionary labeling appears on isotretinoin [news] Marwick C. **JAMA** 1984 Jun 22-29;251(24):3208-9
Hypercalcemia associated with oral isotretinoin in the treatment of severe acne. Valentic JP, et al. **JAMA** 1983 Oct 14;250(14):1899-900
Isotretinoin dysmorphic syndrome [letter] Braun JT, et al. **Lancet** 1984 Mar 3;1(8375):506-7
Isotretinoin teratogenicity [letter] Hill RM. **Lancet** 1984 Jun 30;1(8392):1465
Failure of isotretinoin in Kaposi's sarcoma [letter] Ziegler JL, et al. **Lancet** 1984 Sep 15;2(8403):641
Isotretinoin--a newly recognized human teratogen. **MMWR** 1984 Apr 6;33(13):171-3
Multiple congenital malformations associated with maternal isotretinoin therapy. de la Cruz E, et al. **Pediatrics** 1984 Sep;74(3):428-30
[Granulation eruption during the treatment of chronic acne with isotretinoin] Baran R. **Ann Dermatol Venereol** 1984; 111(4):385-6 **(Fre)**

ANALOGS & DERIVATIVES

Specific reaction of 9-cis-retinoyl fluoride with bovine opsin. Wong CG, et al. **Biochemistry** 1984 Jan 3;23(1):20-7
Null effects of vitamin A analogs on the dimethylnitrosamine kidney tumor model. Hard GC, et al. **Carcinogenesis** 1984 May;5(5):665-9
Trimethylmethoxyphenyl-retinoic acid (Ro 10-1670) and lymphocyte DNA synthesis activity in vitro. Claudy AL, et al. **Dermatologica** 1984;169(1):18-22
Motretinide versus benzoyl peroxide in the treatment of acne vulgaris. Lassus A, et al. **Dermatologica** 1984; 168(4):199-201
Pilot study of a new retinoid, Ro 12-7554, in psoriasis and in some congenital disorders of keratinization. Ott F, et al. **Dermatologica** 1983;167(1):52-3
Principal components analysis of haematological data from F344 rats with bladder cancer fed N-(ethyl)-all-trans-retinamide. Festing MF, et al. **Food Chem Toxicol** 1984 Jul;22(7):559-72
Alterations of drug-induced toxicity in the mouse lymphoma assay by a rat hepatic microsomal metabolizing system (S-9). Oldham JW, et al. **J Appl Toxicol** 1984 Jun; 4(3):124-30
Serum levels of Etretinate (Ro 10-9359) and its metabolite (Ro 10-1670). Ishizaki H, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):421-6
Synthesis of 4, 4-difluoro analogs of retinol and retinoic acid. Barua AB, et al. **J Lipid Res** 1984 Mar;25(3):304-9
Synthesis and properties of some 13-cis- and all-trans-retinamides. Shealy YF, et al. **J Pharm Sci** 1984 Jun;73(6):745-51
Inhibition by retinoids of the growth of azaserine-induced foci in the rat pancreas. Roebuck BD, et al. **JNCI** 1984 Jul;73(1):233-6
Amelioration of embryotoxicity by structural modification of the terminal group of cancer chemopreventive retinoids. Willhite CC, et al. **JNCI** 1984 Mar;72(3):689-95
Endogenous metabolites of vitamin A and a test for functional activity of 5,6-epoxyretinoic acid. **Nutr Rev** 1983 Sep; 41(9):289-92 (7 ref.)
Effect of N-(4-hydroxyphenyl) retinamide on food intake, growth, and mammary gland development in rats. Radcliffe JD, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):270-5
Subacute toxicity of all-trans- and 13-cis-isomers of N-ethyl retinamide, N-2-hydroxyethyl retinamide, and N-4-hydroxyphenyl retinamide. Sani BP, et al. **Toxicol Appl Pharmacol** 1983 Sep 15;70(2):228-35
[Effect of retinoids on rat spleen] Afanas'ev IuI, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):494-8 (Eng. Abstr.) **(Rus)**

BLOOD

Skin disorders and vitamin A metabolism disturbances in chronic dialysis patients: the role of zinc, retinol-binding protein, retinol and retinoic acid. Delacoux E, et al. **Clin Chim Acta** 1984 Mar 13;137(3):283-9

METABOLISM

13-cis-retinoic acid metabolism in vivo. The major tissue metabolites in the rat have the all-trans configuration. McCormick AM, et al. **Biochemistry** 1983 Aug 2; 22(16):3933-40
Identification and quantitation of intracellular retinol and retinoic acid binding proteins in cultured cells. Haussler MR, et al. **Biochim Biophys Acta** 1984 Feb 17; 803(1-2):54-62
Retinoic-acid-binding protein in normal and neoplastic human esophagus. Dowlatshahi K, et al. **Cancer** 1984 Jul 15;54(2):308-11
Evidence for cell cycle phase-specific initiation of a program of HL-60 cell myeloid differentiation mediated by inducer uptake. Yen A, et al. **Cancer Res** 1984 Jun;44(6):2511-5
Effect of route of administration and biliary excretion on the pharmacokinetics of isotretinoin in the dog. Cotler S, et al. **Drug Metab Dispos** 1984 Mar-Apr;12(2):143-7
Role of gut contents, intestinal wall, and liver on the first pass metabolism and absolute bioavailability of isotretinoin in the dog. Cotler S, et al. **Drug Metab Dispos** 1983 Sep-Oct;11(5):458-62
Changes in retinoid binding levels during development of the chicken cornea. Wiggert B, et al. **Exp Eye Res** 1983 Nov;37(5):499-505
Rat testes interstitial cell nuclei exhibit three distinct receptors for retinoic acid. Cope FO, et al. **Experientia** 1984 Mar 15;40(3):276-7
Food increases the bioavailability of isotretinoin. Colburn WA, et al. **J Clin Pharmacol** 1983 Nov-Dec; 23(11-12):534-9
Polyoma virus transformation of rat kidney fibroblasts results in loss of requirement for insulin and retinoic acid. Bradshaw GL, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2311-5
[Determination of composition of ointment bases for retinoic acid for obtaining optimal therapeutic properties. III. Evaluation of skin absorption of retinoic acid in animals after local application] Wardyńska H, et al. **Acta Pol Pharm** 1983;40(2):211-8 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Retinoic acid enhances the growth of only one subpopulation of granulomonocyte precursors. Aglietta M, et al. **Acta Haematol (Basel)** 1984;71(2):97-9
Thyroid hormones in vitamin A-deficient rats: effect of retinoic acid supplementation. Garcin H, et al. **Ann Nutr Metab** 1983;27(6):495-500
Effects of a large dose of retinol or retinoic acid on the thyroid hormones in the rat. Garcin H, et al. **Ann Nutr Metab** 1984;28(2):92-100
Effects of 13-cis retinoic acid on dibutyl-nitrosamine-induced cell kinetic changes in mouse urinary bladder epithelium. Høstmark J, et al. **Anticancer Res** 1983 Sep-Oct;3(5):337-42
Retinoic acid and defective UV light induced DNA excision repair in xeroderma pigmentosum: absence of ameliorating effect. van Voorst Vader PC, et al. **Arch Dermatol Res** 1984;276(3):201-2
Effect of 13-cis retinoic acid on fatty acid composition and membrane-associated enzymes in rat submandibular salivary glands. Alam SQ, et al. **Arch Oral Biol** 1983; 28(6):507-11
Role of retinoic acid in maturation of fetal liver cells in vitro. Chou JY, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):168-75
Vitamin A acid-induced activation of Ca2+-activated, phospholipid-dependent protein kinase from rabbit retina. Ohkubo S, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):460-6
Modulation of normal myelopoiesis in vitro by retinoic acid. Ozawa K, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):128-32
Effect of retinol and retinoic acid on P/O ratios of coupled mitochondria. Stillwell W, et al. **Biochem Int** 1983 Mar; 6(3):385-92
Effect of retinoic acid and 4-hydroxytamoxifen on human breast cancer cell lines. Marth C, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2217-21
Activities of fatty acid desaturases and fatty acid composition of liver microsomes in rats fed beta-carotene and 13-cis-retinoic acid. Alam SQ, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):110-7
Manno-glycoconjugates of human keratinocytes in culture: effect of retinoic acid. Ledger PW, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:38-42
Effect of 1.2 mmol/l calcium, triamcinolone acetonide, and retinoids on low-calcium regulated keratinocyte differentiation. Marcelo CL, et al. **Br J Dermatol** 1984 Jul; 111 Suppl 27:64-72
Effect of retinoic acid and low calcium conditions on surface glycoconjugates defined by differential lectin labelling in mouse epidermal cell culture. Robinson JK, et al. **Br J Dermatol** 1984 Jan;110(1):17-27
Inhibition of normal human macrophage progenitors by retinoic acid. Januszewicz E, et al. **Br J Haematol** 1984 Sep;58(1):119-28
Influence of vitamin A on matrix-induced endochondral bone formation. DeSimone DP, et al. **Calcif Tissue Int** 1983 Sep; 35(6):732-9
Influence of 13-cis-retinoic acid on mouse skin tumor initiation and promotion. Gensler H, et al. **Cancer Lett** 1984 Feb;22(1):71-5
Retinoic acid-induced changes in epidermal growth factor binding and in biological responses mediated by phorbol ester tumor promoter. Lockyer JM, et al. **Cancer Lett** 1984 Mar;22(2):171-82
Inhibition of stimulated prostaglandin biosynthesis by retinoic acid in smooth muscle cells. Goldstein SM, et al. **Cancer Res** 1984 Jan;44(1):120-5
Characterization of an established cell line from human immature teratoma of the ovary and effects of retinoic acid on cell proliferation. Kikuchi Y, et al. **Cancer Res** 1984 Jul;44(7):2952-8
Modification of thermosensitivity of HeLa cells by sodium butyrate, dibutyryl cyclic adenosine 3':5'-monophosphate, and retinoic acid. Kim SH, et al. **Cancer Res** 1984 Feb; 44(2):697-702
Effect of retinoic acid on the growth and morphology of a prostatic adenocarcinoma cell line cloned for the retinoid inducibility of alkaline phosphatase. Reese DH, et al. **Cancer Res** 1983 Nov;43(11):5443-50
Antagonistic actions of retinoic acid and dexamethasone on

anchorage-independent growth and epidermal growth factor binding of normal rat kidney cells. Roberts AB, et al. **Cancer Res** 1984 Apr;44(4):1635-41

Effects of sodium butyrate, dimethyl sulfoxide, and retinoic acid on glycolipids of human rectal adenocarcinoma cells. Siddiqui B, et al. **Cancer Res** 1984 Apr;44(4):1648-52

Malignant neoplasms of differentiated cells occurring after retinoic acid treatment of murine embryonal carcinomas in vivo. Speers WC, et al. **Cancer Res** 1984 May; 44(5):2136-43

Retinoid feeding, hormone inhibition, and/or immune stimulation and the progression of N-methyl-N-nitrosourea-induced rat mammary carcinoma: suppression by retinoids of peptide hormone-induced tumor cell proliferation in vivo and in vitro. Welsch CW, et al. **Cancer Res** 1984 Jan;44(1):166-71

Lack of inhibition by retinoids of bis(2-oxopropyl)nitrosamine-induced carcinogenesis in Syrian hamsters. Birt DF, et al. **Carcinogenesis** 1983 Oct; 4(10):1215-20

Null effects of vitamin A analogs on the dimethylnitrosamine kidney tumor model. Hard GC, et al. **Carcinogenesis** 1984 May;5(5):665-9

Antagonistic action of retinoic acid against teleocidin and 12-O-tetradecanoyl-phorbol-13-acetate on activation of Epstein-Barr virus genomes. Lin JC, et al. **Carcinogenesis** 1984 Apr;5(4):483-7

Kinetics of fibronectin release from fibroblasts in response to 12-O-tetradecanoylphorbol-13-acetate and retinoic acid. Zerlauth G, et al. **Carcinogenesis** 1984 Jul;5(7):863-8

Retinoic acid-induced differentiation of cultured human neuroblastoma cells: a comparison with phorbolester-induced differentiation. Påhlman S, et al. **Cell Differ** 1984 Jun;14(2):135-44

Immunological aspects of retinoids in humans. I. Analysis of retinoic acid enhancement of thymocyte responses to PHA. Sidell N, et al. **Cell Immunol** 1984 Aug;87(1):118-25

The effect of retinoic acid on collagen synthesis by human dermal fibroblasts. Nelson DL, et al. **Coll Relat Res** 1984 Mar;4(2):119-28

Topical retinoic acid enhances the repair of ultraviolet damaged dermal connective tissue. Kligman LH, et al. **Connect Tissue Res** 1984;12(2):139-50

Influence of 13-cis retinoic acid and of arotinoid on the cytochrome P-450 system in rat liver. Goerz G, et al. **Dermatologica** 1984;168(3):117-21

Effects of isotretinoin on the neutrophil chemotaxis in cystic acne. Figatto PD, et al. **Dermatologica** 1983;167(1):16-8

Retinoic acid induces neuronal differentiation of a cloned human embryonal carcinoma cell line in vitro. Andrews PW. **Dev Biol** 1984 Jun;103(2):285-93

Use of retinoic acid for the analysis of dermal-epidermal interactions in the tarsometatarsal skin of the chick embryo. Cadi R, et al. **Dev Biol** 1983 Dec;100(2):489-95

Changes in the rate of laminin and entactin synthesis in F9 embryonal carcinoma cells treated with retinoic acid and cyclic amp. Cooper AR, et al. **Dev Biol** 1983 Oct; 99(2):510-6

Production of immunoreactive calcitonin and parathyroid hormone by embryonal carcinoma cells: alteration with retinoic acid-induced differentiation. Evain-Brion D, et al. **Dev Biol** 1984 Aug;104(2):406-12

Complementation analyses of differentiation-defective embryonal carcinoma cells. McCue PA, et al. **Dev Biol** 1984 Jun;103(2):399-408

The cell cycle, cell death, and cell morphology during retinoic acid-induced differentiation of embryonal carcinoma cells. Mummery CL, et al. **Dev Biol** 1984 Aug; 104(2):297-307

Retinoic acid-induced pattern duplication in regenerating urodele limbs. Thoms SD, et al. **Dev Biol** 1984 Jun; 103(2):319-28

Isotretinoin. A review of its pharmacological properties and therapeutic efficacy in acne and other skin disorders. Ward A, et al. **Drugs** 1984 Jul;28(1):6-37 (157 ref.)

The effect of retinoic acid on cyclic-AMP-binding proteins in mouse melanoma cells. Rogelj S, et al. **Eur J Biochem** 1984 Mar 1;139(2):351-7

Stimulation of sialyltransferase activity of melanoma cells by retinoic acid. Deutsch V, et al. **Exp Cell Res** 1983 Nov; 149(1):237-45

Effect of retinoic acid on cell-cell adhesiveness in cloned BHK21/C13 cells which form piling-up colonies. Kamei H. **Exp Cell Res** 1983 Oct;148(1):11-20

Influence of retinoic acid on protein synthesis and transport of L-methionine in cultured L cells. Koziorowska J, et al. **Exp Cell Res** 1984 Jan;150(1):97-103

Restoration of anchorage regulation in transformed cells by retinoic acid (RA) is independent of the presence of cytoplasmic RA-binding proteins. Mukherjee BB, et al. **Exp Cell Res** 1983 Aug;147(1):63-74

The effects of retinoic acid on [14C]acetate incorporation into lipids of normal and transformed hamster fibroblasts. Ringler MB, et al. **Exp Cell Res** 1984 Sep;154(1):171-80

Fibroblast feeder layers inhibit differentiation of retinoic acid-treated embryonal carcinoma cells by increasing the probability of stem cell renewal. Rosenstraus MJ, et al. **Exp Cell Res** 1984 Jun;152(2):378-89

Effects of retinoic acid (RA) on the growth and phenotypic expression of several human neuroblastoma cell lines. Sidell N, et al. **Exp Cell Res** 1983 Oct;148(1):21-30

Effects of 12-O-tetradecanoylphorbol-13-acetate (TPA), retinoic acid and diazepam on intercellular communication in a monolayer of rat liver epithelial cells. Wälder L, et al. **Exp Cell Res** 1984 May;152(1):66-76

Myeloid differentiation in liquid cultures of cells from patients with chronic myeloid leukemia: effects of retinoic acid and indomethacin. Nilsson B, et al. **Exp Hematol** 1984 Feb;12(2):91-9

Opalina ranarum: inhibitory effect of 13-cis-retinoic acid or retinyl palmitate on the induction of cyst formation. Sadek IA. **Exp Parasitol** 1983 Oct;56(2):241-6

Prevention of 3-methylcholanthrene-induced skin tumors in mice by simultaneous application of 13-cis-retinoic acid and retinyl palmitate (vitamin A palmitate). Abdel-Galil AM, et al. **Exp Pathol** 1984;25(2):97-102

Increase in cell-surface N-acetylglucosaminide beta (1——4)galactosyltransferase activity with retinoic acid-induced differentiation of F9 embryonal carcinoma cells. Nakhasi HL, et al. **FEBS Lett** 1984 Mar 26; 168(2):222-6

Effects of retinoic acid on rat bone. Dhem A, et al. **Food Chem Toxicol** 1984 Mar;22(3):199-206

Immunomodulating effects of 13-cis retinoic acid on the IgG and IgM response of BALB/c mice. Barnett JB. **Int Arch Allergy Appl Immunol** 1983;72(3):227-33

Inhibition of antibody-dependent cellular cytotoxicity and natural cytotoxicity by retinoic acid. Eremin O, et al. **Int Arch Allergy Appl Immunol** 1984;75(1):2-7

Retinoic acid restores shape-dependent growth control in neoplastic cells cultured on poly(2-hydroxyethyl methacrylate)-coated substrate. Lotan R, et al. **Int J Cancer** 1984 Jan 15;33(1):115-21

Differential inhibitory effects of retinoic acid on Epstein-Barr virus induction in producer and nonproducer cell lines. Morigaki T, et al. **Intervirology** 1984;22(1):56-60

Retinoic acid alters the proportion of high mannose to complex type oligosaccharides on fibronectin secreted by cultured chondrocytes. Bernard BA, et al. **J Biol Chem** 1984 Apr 25;259(8):5310-5

Retinoic acid stimulates 1,25-dihydroxyvitamin D3 binding in rat osteosarcoma cells. Petkovich PM, et al. **J Biol Chem** 1984 Jul 10;259(13):8274-80

Selection and characterization of F9 teratocarcinoma stem cell mutants with altered responses to retinoic acid. Wang SY, et al. **J Biol Chem** 1984 May 10;259(9):5899-906

Regulation of myeloperoxidase gene expression during differentiation of human myeloid leukemia HL-60 cells. Yamada M, et al. **J Biol Chem** 1984 Mar 10;259(5):3021-5

Cyclic AMP-dependent and -independent protein kinases and protein phosphorylation in human promyelocytic leukemia (HL60) cells induced to differentiate by retinoic acid. Fontana JA, et al. **J Cell Physiol** 1984 Jul;120(1):49-60

Effect of retinoic acid on the proliferation and phagocytic capability of murine macrophage-like cell lines. Goldman R. **J Cell Physiol** 1984 Jul;120(1):91-102

Retinoic acid alters subcellular compartmentalization of ATP pools in 3T3 cells but not in HeLa cells. Schroder EW, et al. **J Cell Physiol** 1984 Aug;120(2):204-10

The effect of local application of retinoic acid to the anterior margin of the developing chick limb. Summerbell D. **J Embryol Exp Morphol** 1983 Dec;78:269-89

The effect of retinoic acid on the expression of pemphigus and pemphigoid antigens in cultured human keratinocytes. Thivolet CH, et al. **J Invest Dermatol** 1984 Apr; 82(4):329-34

Effect of all-trans retinol and retinoic acid nutriture on the immune system of chicks. Davis CY, et al. **J Nutr** 1983 Oct;113(10):1914-9

Inhibition of differentiation and proliferation of colony-stimulating factor-induced clonal growth of normal human marrow cells in vitro by retinoic acid. Bradley EC, et al. **JNCI** 1983 Dec;71(6):1189-92

Effects of butyrate, retinol, and retinoic acid on human Y-79 retinoblastoma cells growing in monolayer cultures. Kyritsis A, et al. **JNCI** 1984 Sep;73(3):649-54

Modulation by retinoic acid of cellular, surface-exposed, and secreted glycoconjugates in cultured human sarcoma cells. Meromsky L, et al. **JNCI** 1984 Feb;72(2):203-15

Effects of retinoic acid versus dimethyl sulfoxide on Friend erythroleukemia cell growth. II. Induction of quiescent, nonproliferating cells. Traganos F, et al. **JNCI** 1984 Jul; 73(1):205-18

Effects of retinoic acid versus dimethyl sulfoxide on Friend erythroleukemia cell growth. I. Cell proliferation, RNA content, and protein content. Traganos F, et al. **JNCI** 1984 Jul;73(1):193-204

Retinoic acid-induced neural differentiation of embryonal carcinoma cells. Jones-Villeneuve EM, et al. **Mol Cell Biol** 1983 Dec;3(12):2271-9

Retinoblastoma. HLA expression induced by retinoic acid. Sang DN, et al. **Retina** 1983;3(3):206-11

Early morphological abnormalities in splotch mouse embryos and predisposition to gene- and retinoic acid-induced neural tube defects. Dempsey EE, et al. **Teratology** 1983 Dec;28(3):461-72

The pathogenesis of retinoic acid-induced vertebral abnormalities in golden Syrian hamster fetuses. Wiley MJ. **Teratology** 1983 Dec;28(3):341-53

[Induction of differentiation of human myelomonocytic cell lines by chemical inducers: analysis of surface antigens with monoclonal antibodies] Yamada K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 May;47(3):703-8 (Eng. Abstr.) (Jpn)

POISONING

Overdose of isotretinoin [letter] Sutton JD. **J Am Acad Dermatol** 1983 Oct;9(4):600

THERAPEUTIC USE

13-cis-Retinoic acid in rosacea. Clinical and laboratory findings. Schmidt JB, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):15-21

Malignant eccrine poroma and isotretinoin [letter] Friedland M, et al. **Ann Intern Med** 1984 Apr;100(4):614

A malignant eccrine poroma responds to isotretinoin (13-cis-retinoic acid). Roach M 3d. **Ann Intern Med** 1983 Oct;99(4):486-8

Oral isotretinoin therapy. Use in a patient with multiple cutaneous squamous cell carcinomas and keratoacanthomas. Levine N, et al. **Arch Dermatol** 1984 Sep;120(9):1215-7

Treatment of cutaneous sarcoidosis with isotretinoin. Waldinger TP, et al. **Arch Dermatol** 1983 Dec; 119(12):1003-5

13-cis-retinoic acid in conglobate acne. A follow-up study of 14 trial centers. Hennes R, et al. **Arch Dermatol Res** 1984;276(4):209-15

Retinoic acid treatment of acute promyelocytic leukemia: in vitro and in vivo observations. Flynn PJ, et al. **Blood** 1983 Dec;62(6):1211-7

Inflammatory responses in acne patients treated with 13-cis-retinoic acid (isotretinoin). Holland DB, et al. **Br J Dermatol** 1984 Mar;110(3):343-5

Remission rates in acne patients treated with various doses of 13-cis-retinoic acid (isotretinoin) [letter] Jones DH, et al. **Br J Dermatol** 1984 Jul;111(1):123-5

Dose-response relationship of sebum suppression by 13-cis-retinoic acid in severe acne [letter] Jones DH, et al. **Br J Dermatol** 1983 Sep;109(3):366-7

Effect of low dose cyproterone acetate on the response of acne to isotretinoin. Marsden JR, et al. **Br J Dermatol** 1984 Jun;110(6):697-702

The treatment of steatocystoma multiplex suppurativum with isotretinoin [letter] Statham BN, et al. **Br J Dermatol** 1984 Aug;111(2):246

Probable in vivo induction of differentiation by retinoic acid of promyelocytes in acute promyelocytic leukaemia. Nilsson B. **Br J Haematol** 1984 Jul;57(3):365-71

Accutane [letter] Henderson IW, et al. **Can Med Assoc J** 1983 Oct 1;129(7):682

Antiteratogenic effects of tumor inhibitors, caffeine, antipain, and retinoic acid in mice. Nomura T, et al. **Cancer Res** 1983 Nov;43(11):5156-62

Therapeutic rounds at The Milton S. Hershey Medical Center. Schneck DW. **Clin Ther** 1983;5(5):461, 558-9

Isotretinoin for the treatment of sebaceous hyperplasia. Grekin RC, et al. **Cutis** 1984 Jul;34(1):90-2

13-Cis-retinoic acid in pemphigus vulgaris [letter] Wong RC, et al. **Int J Dermatol** 1984 Jun;23(5):357

Isotretinoin (Accutane) for the management of severe nodulocystic acne. Strauss JS. **Iowa Med** 1984 Apr; 74(4):170-2

Isotretinoin for oral lichen planus [letter] Handler HL. **J Am Acad Dermatol** 1984 Apr;10(4):674

Isotretinoin treatment of acne and related disorders: an update. Shalita AR, et al. **J Am Acad Dermatol** 1983 Oct; 9(4):629-38 (8 ref.)

Isotretinoin therapy for acne: results of a multicenter dose-response study. Strauss JS, et al. **J Am Acad Dermatol** 1984 Mar;10(3):490-6

Suppression of sebum secretion with 13-cis-retinoic acid: effect on individual skin surface lipids and implications for their anatomic origin. Stewart ME, et al. **J Invest Dermatol** 1984 Jan;82(1):74-8

Severe oral lichen planus: remission and maintenance with vitamin A analogues. Sloberg K, et al. **J Oral Pathol** 1983 Dec;12(6):473-7

Acne fulminans with arthritis in identical twins treated with isotretinoin. Darley CR, et al. **J R Soc Med** 1984 Apr; 77(4):328-30

Dermatologists, university join in skin cancer study [news] Gunby P. **JAMA** 1984 Apr 6;251(13):1652

Treatment of generalised pustular psoriasis with isotretinoin [letter] Sofen HL, et al. **Lancet** 1984 Jan 7;1(8367):40

Update on isotretinoin (Accutane) for acne. **Med Lett Drugs Ther** 1983 Nov 25;25(649):105-6

Acne and accutane. Burton CS, et al. **NC Med J** 1984 Aug; 45(8):513

Systemic treatment of severe acne with a retinoic acid derivative, isotretinoin. Wishart JM. **NZ Med J** 1984 Feb 22;97(750):115-7

[Indications for retinoids] Kint A. **Verh K Acad Geneeskd Belg** 1983;45(5):403-13 (Eng. Abstr.) (Dut)

[Pustular rosacea. Treatment with 13-cis-retinoic acid] Prigent F, et al. **Ann Dermatol Venereol** 1984;111(5):487-91 (Fre)

[Disseminated molluscum contagiosum in an immunosuppressed child. Trial treatment by retinoic acid administered per os] Vilmer C, et al. **Ann Dermatol Venereol** 1983;110(9):781-2 (Fre)

[Treatment of acne with orally administered isotretinoin. Clinical study of 56 patients.] Harms M. **Schweiz Med Wochenschr** 1983 Oct 22;113(42):1549-54 (Eng. Abstr.) (Fre)

[13-cis-retinoic acid--an effective therapy for acne conglobata] Schmidt JB, et al. **Z Hautkr** 1984 Mar 1; 59(5):279-87 (Eng. Abstr.) **(Ger)**

[Skin lipids in 13-cis-retinoic acid therapy of acne] Schmidt JB, et al. **Z Hautkr** 1983 Dec 15;58(24):1743-53 (Eng. Abstr.) **(Ger)**

[Isotretinoin (Roaccutan). A new drug against severe acne] Austad J, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30; 104(24):1639-41 **(Nor)**

TOXICITY

Vitamin A inhibition of polyoma virus replication. Russell JK, et al. **Biochem Biophys Res Commun** 1984 Jul 31; 122(2):851-8

Interactions of ultraviolet radiation, 12-O-tetradecanoyl-phorbol-13-acetate and retinoic acid in the skin of hairless mice. Sambuco CP, et al. **Food Chem Toxicol** 1983 Oct;21(5):595-600

Evaluation of hypervitaminosis A in the rat by measurement of tibial bone breaking strain. Cashin CH, et al. **J Pharmacol Methods** 1984 Apr;11(2):91-5

Amelioration of embryotoxicity by structural modification of the terminal group of cancer chemopreventive retinoids. Willhite CC, et al. **JNCI** 1984 Mar;72(3):689-95

Retinoic acid: biochemistry, pharmacology, toxicology, and therapeutic use. Chytil F. **Pharmacol Rev** 1984 Jun;36(2 Suppl):93S-100S (163 ref.)

Mouse limb bud development in submerged culture: quantitative assessment of the effects of in vivo exposure to retinoic acid. Kwasigroch TE, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):311-26

An in vivo/in vitro evaluation of the teratogenic action of excess vitamin A. Steele CE, et al. **Teratology** 1983 Oct; 28(2):209-14

Estimation of creatine kinase isoenzymes: the effects of caffeine and retinoic acid on CK levels in fetal mouse limbs. Kwasigroch TE, et al. **Toxicol Lett** 1984 Jun;21(3):339-47

Subchronic toxicity of all-trans-retinoic acid and retinylidene dimedone in Sprague-Dawley rats. Kurtz PJ, et al. **Toxicology** 1984 Mar;30(2):115-24

TRETOQUINOL see under **ISOQUINOLINES**

TRI-ALLATE see under **THIOCARBAMATES**

TRIACETIN see under **TRIGLYCERIDES**

TRIACETONEAMINE-N-OXYL see under **CYCLIC N-OXIDES**

TRIACETYLOLEANDOMYCIN

ADMINISTRATION & DOSAGE

[The TAO-methylprednisolone combination in chronic obstructive bronchopneumopathy. Clinical, metabolic and hormonal aspects] Logroscino CD, et al. **G Ital Chemioter** 1982 Jul-Dec;29(2):133-8 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Severe intrahepatic cholestasis due to the combined intake of oral contraceptives and triacetyloleandomycin. Fevery J, et al. **Acta Clin Belg** 1983;38(4):242-5

PHARMACODYNAMICS

Interaction of dihydroergotamine and triacetyloleandomycin in the minipig. Martinet M, et al. **Eur J Drug Metab Pharmacokinet** 1983 Jul-Sep;8(3):261-7

Effects of macrolide antibiotics on barbiturate sleeping time in mice. Descotes J, et al. **Experientia** 1983 Dec 15; 39(12):1389-90

Analysis of cortisol, methylprednisolone, and methylprednisolone hemisuccinate. Absence of effects of troleandomycin on ester hydrolysis. Ebling WF, et al. **J Chromatogr** 1984 Feb 10;305(2):271-80

[Effect of triacetyloleandomycin, erythromycin and spiramycin on mono-oxygenase activity] Micheva M, et al. **Eksp Med Morfol** 1984;23(1):28-33 (Eng. Abstr.) **(Bul)**

THERAPEUTIC USE

The effect of troleandomycin and methylprednisolone alone and in combination on bronchial sensitivity to methacholine. Andrade WP, et al. **Ann Allergy** 1983 Nov; 51(5):515-7

TRIACYLGLYCEROL LIPASE see **LIPASE**

TRIACYLGLYCEROLS see **TRIGLYCERIDES**

TRIAGE see under **EMERGENCY MEDICAL SERVICES**

TRIALKYLTIN COMPOUNDS

ANTAGONISTS & INHIBITORS

Antagonism by d-amphetamine of trimethyltin-induced hyperactivity evidence toward an animal model of hyperkinetic behavior. Swartzwelder HS, et al. **Neuropharmacology** 1983 Sep;22(9):1049-54

CHEMICAL SYNTHESIS

Potential tissue-imaging agents: 23-(trimethyl [117mSn]stannyl)-24-nor-5 alpha-cholan-3 beta-ol. Knapp FF Jr, et al. **J Med Chem** 1983 Oct;26(10):1535-7

Antimicrobial activity of triethylammonium chloride-N-substituted N'-cyano-O-(triphenylstannyl)-isourea complexes. Kupchik EJ, et al. **J Pharm Sci** 1984 Jul;73(7):1012-3

METABOLISM

Tin distribution in adult and neonatal rat brain following exposure to triethyltin. Cook LL, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):75-81

Distribution of tin in brain subcellular fractions following the administration of trimethyl tin and triethyl tin to the rat. Cook LL, et al. **Toxicol Appl Pharmacol** 1984 May; 73(3):564-8

Distribution of trimethyltin in various tissues of the male mouse. Doctor SV, et al. **Toxicol Lett** 1983 Jun; 17(1-2):43-8

PHARMACODYNAMICS

The potent induction of intestinal heme oxygenase by the organotin compound, bis(tri-n-butyltin)oxide. Rosenberg DW, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1022-7

Direct in vitro effects of bis(tri-n-butyltin)oxide on hepatic cytochrome P-450. Rosenberg DW, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3823-9

Inactivation of yeast hexokinase B by triethyltin bromide. Siebenlist KR, et al. **Biochemistry** 1983 Aug 30; 22(18):4229-34

Inactivation of yeast hexokinase B by triethyltin bromide and reactivation by dithiothreitol and glucose. Siebenlist KR, et al. **Biochemistry** 1983 Sep 27;22(20):4642-6

Differential inhibition of F0F1-ATPase-catalysed reactions in bovine-heart submitochondrial particles by organotin compounds. Emanuel EL, et al. **Biochim Biophys Acta** 1984 Jul 27;766(1):209-14

Alterations in regulatory and locomotor behaviors following trimethyltin exposure in the rat: a time and dose analysis. Johnson CT, et al. **Neurosci Lett** 1984 Jun 15;47(2):99-106

Effects of trimethyltin on dopaminergic and serotonergic function in the central nervous system. DeHaven DL, et al. **Toxicol Appl Pharmacol** 1984 Sep 15;75(2):182-9

Inhibitory effect of triethyltin on taurine transport by glioma cells. Martin DL, et al. **Toxicol Appl Pharmacol** 1983 Nov; 71(2):155-62

[Mechanism of action of the acaricide plictran] Tatevosian AE, et al. **Gig Sanit** 1984 Feb;(2):74-5 **(Rus)**

POISONING

Neuropathology of trimethyltin intoxication. IV. Changes in the spinal cord. Chang LW, et al. **Environ Res** 1984 Jun;34(1):123-34

Myelin associated glycoprotein of the optic nerve in triethyl tin intoxication. Wender M, et al. **Neuropatol Pol** 1983; 21(4):469-74

TOXICITY

Vascular permeability in acute triethyltin-induced brain edema studied with FITC-dextrans, sodium fluorescein and horseradish peroxidase as tracers. Hultström D, et al. **Acta Neurol Scand** 1984 May;69(5):255-63

Comparison of methods to measure acute metal and organometal toxicity to natural aquatic microbial communities. Jonas RB, et al. **Appl Environ Microbiol** 1984 May;47(5):1005-11

Renal tubular disturbances induced by tributyl-tin oxide in guinea pigs: a secondary Fanconi syndrome. Mori Y, et al. **Clin Nephrol** 1984 Feb;21(2):118-25

Development of tolerance to the antinociceptive effect but not to the toxicity of trimethyltin after repeated exposure. Doctor SV, et al. **Dev Toxicol Environ Sci** 1983;11:587-90

Inhibition of ATPase activities of brain and liver homogenates by triethyltin (TET). Jacobs KS, et al. **Dev Toxicol Environ Sci** 1983;11:517-20

The neurotoxicity of trimethyltin chloride in hamsters, gerbils and marmosets. Brown AW, et al. **J Appl Toxicol** 1984 Feb;4(1):12-21

Trimethyltin retinopathy. Relationship of subcellular response to neuronal subspecialization. Bouldin TW, et al. **J Neuropathol Exp Neurol** 1984 Mar;43(2):162-74

Comparative developmental toxicity of triethyltin using split-litter and whole-litter dosing. Ruppert PH, et al. **J Toxicol Environ Health** 1983 Jul;12(1):73-87

Pattern reversal and flash evoked potentials following acute triethyltin exposure. Boyes WK, et al. **Neurobehav Toxicol Teratol** 1983 Sep-Oct;5(5):571-7

Trimethyltin induced pathology in sensory neurons. Chang LW, et al. **Neurobehav Toxicol Teratol** 1983 Nov-Dec; 5(6):673-96

A time-course study of trimethyltin induced neuropathology in rats. Chang LW, et al. **Neurobehav Toxicol Teratol** 1983 Jul-Aug;5(4):443-59

Developmental and behavioral toxicity following acute postnatal exposure of rat pups to trimethyltin. Ruppert PH, et al. **Neurobehav Toxicol Teratol** 1983 Jul-Aug;5(4):421-9

Discrimination of auditory from nonauditory toxicity by reflex modulation audiometry: effects of triethyltin. Fechter LD, et al. **Toxicol Appl Pharmacol** 1983 Sep 15;70(2):216-27

Effect of triethyltin on autonomic and behavioral thermoregulation of mice. Gordon CJ, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):543-50

Toxicity of bis(tri-n-butyltin)oxide in the rat. I. Short-term effects on general parameters and on the endocrine and lymphoid systems. Krajnc EI, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):363-86

Pre- and postweaning indices of neurotoxicity in rats: effects of triethyltin (TET). Miller DB. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):557-65

Toxicity of bis(tri-n-butyltin)oxide in the rat. II. Suppression of thymus-dependent immune responses and of parameters of nonspecific resistance after short-term exposure. Vos JG, et al. **Toxicol Appl Pharmacol** 1984 Sep 30; 75(3):387-408

Behavioral effects of trimethyltin in two strains of mice. II. Multiple fixed ratio, fixed interval. Wenger GR, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):89-96

Behavioral effects of trimethyltin in two strains of mice. I. Spontaneous motor activity. Wenger GR, et al. **Toxicol Appl Pharmacol** 1984 Mar 30;73(1):78-88

Effects of trimethyltin on the immune system of rats. Hioe KM, et al. **Toxicol Lett** 1984 Mar;20(3):317-23

Trimethyltin disrupts acoustic startle responding in adult rats. Ruppert PH, et al. **Toxicol Lett** 1984 Jul;22(1):33-8

Isolation and characterization of tributyltin resistant mutants of Escherichia coli. Singh AP, et al. **Z Naturforsch [C]** 1984 Mar-Apr;39(3-4):293-9

[Experimental determination of the maximum allowable concentration of the acaricide plictran in the air of the work zone] Tatevosian AE, et al. **Gig Tr Prof Zabol** 1984 May;(5):52-3 **(Rus)**

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

Steroid-induced 'granulomas' in hypertrophic scar. Bhawan J. **Acta Derm Venereol (Stockh)** 1983;63(6):560-3

Treatment of palmoplantar pustulosis with intralesional triamcinolone injections. Goette DK, et al. **Arch Dermatol** 1984 Mar;120(3):319-23

[A case of Kasabach-Merritt's syndrome--complete healing by the treatment with glucocorticosteroid alone (per oral administration and intralesional injection)] Ikeuchi S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):129-36 **(Jpn)**

ADVERSE EFFECTS

Effects of deflazacort on the renal handling of radiocalcium in man. Vattimo A, et al. **Adv Exp Med Biol** 1984; 171:399-405

[Post-mortem evaluation in endemic pemphigus foliaceus and pemphigus vulgaris] Aki HE, et al. **Med Cutan Iber Lat Am** 1984;12(2):151-7 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Corticosteroid injections into the hands and feet. Broughton R. **Cutis** 1984 Jun;33(6):575-7

THERAPEUTIC USE

Hormonal effects on prevention or regression of atheroma. Copeman HA, et al. **Adv Exp Med Biol** 1984;168:51-84

Treatment of optic neuritis. Schmidt D. **Bull Soc Belge Ophtalmol** 1983 Nov;208:493-500

Steroid treatment of the painful pacemaker pocket. Kratz JM, et al. **PACE** 1984 Jan;7(1):71-3

Intralesional corticosteroid injection of infantile adnexal haemangioma. Fitzsimons R. **Trans Ophthalmol Soc NZ** 1984;36:74-5

Other treatments for herpes zoster neuralgia [letter] **West J Med** 1984 Feb;140(2):292

TOXICITY

Comparative teratogenicity of triamcinolone acetonide, triamcinolone, and cortisol in the rat. Rowland JM, et al. **Teratogenesis Carcinog Mutagen** 1983;3(4):313-9

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Complications in the intralesional injection of triamcinolone acetonide by jet injector (Dermojet). Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):456-7

The influence of urea on the penetration kinetics of topically applied corticosteroids. Wohlrab W. **Acta Derm Venereol (Stockh)** 1984;64(3):233-8

Corticosteroid injection of chalazia. Castrén J, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):938-42

Local steroid therapy for oral mucoceles. Tashiro H, et al. **Fukuoka Igaku Zasshi** 1983 Nov;74(11):759-61

Pyoderma gangrenosum: successful treatment with intralesional steroids. Jennings JL. **J Am Acad Dermatol** 1983 Oct;9(4):575-80

The Ligmaject for injection of triamcinolone acetonide and collagen. Remington BK. **J Dermatol Surg Oncol** 1984 Jun; 10(6):444

Treatment of prurigo nodularis: use of cryosurgery and

intralesional steroids plus lidocaine. Stoll DM, et al. **J Dermatol Surg Oncol** 1983 Nov;9(11):922–4

Experience with triamcinolone acetonide 0.1% plus econazole nitrate 1% in paediatric dermatology. Herz G. **J Int Med Res** 1983;11(5):320–3

Treatment of chronic back pain. Comparing corticosteroid–lignocaine injections with lignocaine alone. Bourne IH. **Practitioner** 1984 Mar;228(1389):333–8

The treatment of pain with local injections. Bourne IH. **Practitioner** 1983 Dec;227(1386):1877–83

Sensitive stages and dose–response analyses of palatal slit and cleft p ate in C57BL/6 mice treated with a glucocorticoid. Kusan. gi T. **Teratology** 1984 Apr;29(2):281–6

[Infralesional injections with triamcinolone–acetonide in the treatment of lichen rubber of the mouth mucosa] Capusan I, et al. **Z Hautkr** 1983 Sep 15;58(18):1309–22 (Eng. Abstr.) **(Ger)**

[New method for conservative treatment of a chalazion] Dzhaliashvili OA, et al. **Vestn Oftalmol** 1983 Sep–Oct; (5):66–7 (Eng. Abstr.) **(Rus)**

[Treatment of chalazion with local injections of corticosteroid preparations] Gastren EA, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):39–42 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Transepithelial elimination of altered collagen after intralesional adrenal steroid injections. Goette DK. **Arch Dermatol** 1984 Apr;120(4):539–40

ANALOGS & DERIVATIVES

Involvement of glucocorticoids in cartilage growth and metabolism. Silbermann M, et al. **Adv Exp Med Biol** 1984; 171:257–67

Intra–articular radioactive yttrium and triamcinolone hexacetonide: an inconclusive trial. Arthritis and Rheumatism Council Multicentre Radiosynoviorthesis Trial Group. **Ann Rheum Dis** 1984 Aug;43(4):620–3

Long–term follow–up of corticosteroid injection for traumatic olecranon bursitis. Weinstein PS, et al. **Ann Rheum Dis** 1984 Feb;43(1):44–6

Glucocorticoid–induced atrophy in different fibre types of selected rat jaw and hind–limb muscles. Roy RR, et al. **Arch Oral Biol** 1983;28(7):639–43

Injection therapy with triamcinolone hexacetonide in the treatment of burn scars in infancy: results of 44 cases. Grisolia GA, et al. **Burns Incl Therm Inj** 1983 Nov; 10(2):131–4

Chemical modification of triamcinolone acetonide to improve liposomal encapsulation. Goundalkar A, et al. **J Pharm Sci** 1984 Jun;73(6):834–5

ANALYSIS

Chemical modification of triamcinolone acetonide to improve liposomal encapsulation. Goundalkar A, et al. **J Pharm Sci** 1984 Jun;73(6):834–5

Stability of triamcinolone acetonide solutions as determined by high–performance liquid chromatography. Gupta VD. **J Pharm Sci** 1983 Dec;72(12):1453–6

METABOLISM

Stabilization of labile glucocorticoid–receptor complexes from acute nonlymphocytic leukemia cells by a factor from chronic lymphocytic leukemia cells. Holbrook NJ, et al. **Cancer Res** 1984 Jan;44(1):407–14

Intestinal triamcinolone acetonide receptors of the eel (Anguilla rostrata). DiBattista JA, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):228–38

Pharmacokinetic profile of intravenous liposomal triamcinolone acetonide in the rabbit. Abraham I, et al. **J Pharm Sci** 1983 Dec;72(12):1412–5

Hydrodynamic and biochemical correlates of the activation of the glucocorticoid–receptor complex. Luttge WG, et al. **J Steroid Biochem** 1984 Feb;20(2):545–53

[Permeation of triamcinolone acetonide and zinc oxide from a shake lotion] Stüttgen G, et al. **Z Hautkr** 1983 Aug 1; 58(15):1095–112 (Eng. Abstr.) **(Ger)**

[Stages of the interaction of steroid hormones with intranuclear acceptor sites of Morris hepatoma cells] Krasil'nikov MA, et al. **Biokhimiia** 1983 Oct;48(10):1733–8 (Eng. Abstr.) **(Rus)**

[Kinetics of the development of the glucocorticoid effect on the thymus in adrenalectomized rats] Muskhelishvili GD, et al. **Biokhimiia** 1983 Jul;48(7):1221–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Androgen stimulated elevation in androgen receptor levels is inhibited by the synthetic glucocorticoid triamcinolone acetonide. Syms AJ, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1020–5

Calcium and glucose uptake in rat small intestinal brush–border membrane vesicles. Modulation by exogenous hypercortisolism and 1,25–dihydroxyvitamin D–3. Braun HJ, et al. **Biochim Biophys Acta** 1984 Jul 11; 774(1):81–90

Effect of 1.2 mmol/l calcium, triamcinolone acetonide, and retinoids on low–calcium regulated keratinocyte differentiation. Marcelo CL, et al. **Br J Dermatol** 1984 Jul; 111 Suppl 27:64–72

Glucocorticoids increase the 1,25(OH)2D3 receptor concentration in rat osteogenic sarcoma cells. Manolagas SC, et al. **Calcif Tissue Int** 1984 Mar;36(2):153–7

Effect of triamcinolone acetonide on tyrosinase activity in a human melanoma cell line. DiSorbo DM, et al. **Cancer Res** 1984 May;44(5):1752–5

Adrenocortical function and responsiveness to tetracosactrin infusions after intra–articular treatment with triamcinolone acetonide and hydrocortisone acetate. Esselinckx W, et al. **Clin Rheumatol** 1982 Sep;1(3):176–84

The relationship between glucocorticoid biopotency and receptor binding in the AtT–20 cell. Svec F. **Endocrinology** 1984 Apr;114(4):1250–8

Effect of glucocorticosteroids on epidermal cell–induced immune responses. Aberer W, et al. **J Immunol** 1984 Aug; 133(2):792–7

A depression technique of the epidermal Langerhans cell in cadaver split skin. Alsbjörn B. **Scand J Plast Reconstr Surg** 1984;18(1):61–4

THERAPEUTIC USE

Intralesional corticosteroid injection for the treatment of chalazia. Palva J, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):933–7

Assessment of the pulpotomy technique in human first permanent mandibular molars. Use of two direct inspection criteria. Santini A. **Br Dent J** 1983 Sep 10;155(5):151–4

Rubeosis iridis: preoperative iris fluorescein angiography and periocular steroids. Ehrenberg M, et al. **Ophthalmology** 1984 Apr;91(4):321–5

Comparison of oral prednisolone and intramuscular depot triamcinolone in patients with severe chronic asthma. Willey RF, et al. **Thorax** 1984 May;39(5):340–4

[Volon A shake mix—a promising innovation] Brinkmann W. **Z Hautkr** 1983 Nov 1;58(21):1539–41 (Eng. Abstr.) **(Ger)**

[Corticoids in the treatment of Bell's palsy] Gúth A, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):395–9 (Eng. Abstr.) **(Slo)**

TOXICITY

Triamcinolone–induced structural alterations in the development of the lung of the fetal rhesus macaque. Bunton TE, et al. **Am J Obstet Gynecol** 1984 Jan 15; 148(2):203–15

Comparison of the embryotoxicity of some glucocorticoids in chick embryos. Kosař K. **Folia Morphol (Praha)** 1983; 31(4):383–90

Effect of triamcinolone acetonide on proliferation and collagen and glycosaminoglycan syntheses in palatal mesenchymal cells from the mouse fetus. Sasaki S, et al. **J Craniofac Genet Dev Biol** 1983;3(4):351–69

Lithium inhibits the cytolytic glucocorticoid effect on S49 mouse lymphoma cells. Junker K, et al. **J Steroid Biochem** 1984 Mar;20(3):725–31

Comparative teratogenicity of triamcinolone acetonide, triamcinolone, and cortisol in the rat. Rowland JM, et al. **Teratogenesis Carcinog Mutagen** 1983;3(4):313–9

Dose–response relations of palatal slit, cleft palate, and fetal mortality in mice treated with a glucocorticoid. Kusanagi T. **Teratology** 1983 Oct;28(2):165–8

Craniofacial and central nervous system malformations induced by triamcinolone acetonide in nonhuman primates: II. Craniofacial pathogenesis. Parker RM, et al. **Teratology** 1983 Aug;28(1):35–44

TRIAMTERENE

ADMINISTRATION & DOSAGE

The progress of patients in the European Working Party on Hypertension in the Elderly trial. Amery A, et al. **Acta Med Scand [Suppl]** 1983;676:119–40

Preliminary observations on dissolution and bioavailability of triamterene–hydrochlorothiazide combination products. Shah VP, et al. **Biopharm Drug Dispos** 1984 Jan–Mar; 5(1):11–9

Comparative clinical trial of bemetizide/triamterene and cyclopenthiazide/potassium chloride combinations in patients with mild to moderate hypertension. Wray R, et al. **Curr Med Res Opin** 1983;8(9):665–74

Pharmacokinetic and pharmacodynamic study of the combination of furosemide retard and triamterene. Loew D, et al. **Eur J Clin Pharmacol** 1984;26(2):191–5

[Effect of a combination of furosemid retard and triamteren in congestive edema] Jablonski K, et al. **Med Welt** 1984 Feb 3;35(5):160–2 **(Ger)**

ADVERSE EFFECTS

Hyponatraemia induced by a combination of hydrochlorothiazide and triamterene. Roberts CJ, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1962

Amantadine–dyazide interaction. Wilson TW, et al. **Can Med Assoc J** 1983 Nov 1;129(9):974–5

Triamterene and renal lithiasis: a review. Carey RA, et al. **Clin Ther** 1984;6(3):302–9 (15 ref.)

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 42–1983. Progressive azotemia in an elderly hypertensive man. **N Engl J Med** 1983 Oct 20;309(16):970–8

Thiazide–induced hyponatremia. Johnson JE, et al. **South Med J** 1983 Nov;76(11):1363–7

ANALOGS & DERIVATIVES

Liquid chromatographic analysis of triamterene and its major metabolite, hydroxytriamterene sulfate, in blood, plasma, and urine. Sörgel F, et al. **J Pharm Sci** 1984 Jun;73(6):831–3

ANALYSIS

Liquid chromatographic analysis of triamterene and its major metabolite, hydroxytriamterene sulfate, in blood, plasma, and urine. Sörgel F, et al. **J Pharm Sci** 1984 Jun;73(6):831–3

METABOLISM

Triamterene kinetics and dynamics in cirrhosis. Villeneuve JP, et al. **Clin Pharmacol Ther** 1984 Jun;35(6):831–7

Pharmacokinetics of triamterene after i.v. administration to man: determination of bioavailability. Gilfrich HJ, et al. **Eur J Clin Pharmacol** 1983;25(2):237–41

[Pharmacokinetics of triamterene in healthy subjects and patients with liver and kidney function disorders] Mutschler E, et al. **Klin Wochenschr** 1983 Sep 15; 61(18):883–91 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effect of topical 0.5% triamterene suspension on the intraocular pressure of open angle glaucoma patients. A single dose study. Mills KB, et al. **Curr Eye Res** 1984 Feb; 3(2):273–7

The effect of triamterene on myocardial phosphodiesterase and adenylate cyclase. Schuhmacher P, et al. **Eur J Pharmacol** 1983 Nov 11;95(1–2):71–7

A radiopharmacological study without human radiation exposure. Loew D, et al. **Nuklearmedizin** 1984 Feb; 23(1):47–9

THERAPEUTIC USE

The short–term effects of reducing elevated blood pressure in elderly patients with propranolol and dyazide. Hamdy RC, et al. **Age Ageing** 1984 Mar;13(2):83–8

Hydrochlorothiazide/triamterene combination: once daily in the treatment of hypertension. Zacharias FJ, et al. **Br J Clin Pract** 1984 May;38(5):185–7

Chlorthalidone–triamterene: a potassium–sparing diuretic combination for the treatment of oedema. Webb EL, et al. **J Int Med Res** 1984;12(3):147–53

The efficacy of a potassium–sparing combination of chlorthalidone and triamterene in the control of mild and moderate hypertension. I. Webb EL, et al. **J Int Med Res** 1984;12(3):133–9

The efficacy of a potassium–sparing combination of chlorthalidone and triamterene in the control of mild and moderate hypertension. II. Webb EL, et al. **J Int Med Res** 1984;12(3):140–6

[Long–term treatment of hypertension with a beta blocker–diuretic combination] Hoffmann J, et al. **ZFA (Stuttgart)** 1983 Nov 10;59(31):1773–7 **(Ger)**

[A beta receptor blocker–diuretic combination in elderly hypertensive patients at health resorts] Kirchhoff HW. **ZFA (Stuttgart)** 1983 Jul 31;59(21):1188–91 **(Ger)**

TRIATOMA see under **TRIATOMIDAE**

TRIATOMIDAE

Blood leukocyte response in hosts parasitized by the hematophagous arthropods Triatoma protracta and Lutzomyia longipalpis. Brown SJ, et al. **Am J Trop Med Hyg** 1984 May;33(3):499–505

Customs which predispose to Chagas' disease and cysticercosis in Mexico. Salazar–Schettino PM. **Am J Trop Med Hyg** 1983 Sep;32(5):1179–80

Anaphylactic reaction to kissing bug bites. Edwards L, et al. **Ariz Med** 1984 Mar;41(3):159–61

Comment on assassin bug toxemia [letter] Heyneman D. **Drug Intell Clin Pharm** 1984 May;18(5):417

Action of bendiocarb against triatomine (Hemiptera: Reduviidae) vectors of Chagas' disease. Sherlock IA, et al. **J Med Entomol** 1983 Jul 21;20(4):440–5

[Technic for the observation of the behavior of Triatoma infestans (Klug, 1834) in a miniature of a mud–walled and thatch roofed house] Mac Cord JR, et al. **Mem Inst Oswaldo Cruz** 1983 Apr–Jun;78(2):153–63 (Eng. Abstr.) **(Por)**

[Geographic distribution of Triatomidae (Hemiptera, Reduviidae)] de Almeida JR, et al. **Rev Bras Malariol Doencas Trop** 1982;34:59–62 (Eng. Abstr.) **(Por)**

[Exploratory study of hemolymph proteins of Triatominae (Hemiptera, Reduviidae) vectors of Chagas' disease. I. Triatoma spp.] de Almeida JR. **Rev Bras Malariol Doencas Trop** 1982;34:101–7 (Eng. Abstr.) **(Por)**

[Labeling of Panstrongyllus megistus (Hemiptera, Triatominae) with radioisotopes] Neves DP, et al. **Rev Bras Malariol Doencas Trop** 1982;34:93–100 (Eng. Abstr.) **(Por)**

[Rhodnius prolixus Stal, 1859, in Goiás, Brazil. Preliminary report] Silveira AC, et al. **Rev Bras Malariol Doencas Trop** 1982;34:116–8 **(Por)**

[A focus of Triatomidae domicilliated in the Rio de Janeiro

lowlands] Silveira AC, et al.
Rev Bras Malariol Doencas Trop 1982;34:50–8 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. XIX – Development of regional Triatominae domiciliation in an endemic center of Panstrongylus megistus] Forattini OP, et al. **Rev Saude Publica** 1983 Dec;17(6):436–60 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. XX– Development and annual cycles of Panstrongylus megistus colonies in artificial ecotopes, in peri– and extradomiciliary environments] Forattini OP, et al. **Rev Saude Publica** 1984 Feb;18(1):30–40 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. XVII – Development of Triatominae regional domiciliation in an endemic center of Triatoma sordida] Forattini OP, et al. **Rev Saude Publica** 1983 Jun;17(3):159–99 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

[Action of altozar, altozide SR–10 and derivatives of farnesylic and 3,11–dimethyl–2–dodecenoic acids on Rhodnius prolixus Stal. bugs] Kul'kova TA, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):46–51 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Development of eggs of Triatoma sordida (Hemiptera: Reduviidae). Strickman D. **J Med Entomol** 1983 Oct 5; 20(5):574

ENZYMOLOGY

[Comparative characteristics of the digestive enzymes of blood–sucking insects. II. Invertase and lipase] Chaika SIu. **Biol Nauki** 1983;(8):32–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Host availability limits population density of Panstrongylus megistus. Piesman J, et al. **Am J Trop Med Hyg** 1983 Nov; 32(6):1445–50

[Ecological aspects of South American trypanosomiasis. XVIII – Development and annual cycles of Triatoma infestans, T. sordida and Rhodnius neglectus colonies in artificial ecotopes and in peri– and extra–domicilliary environments] Forattini OP, et al. **Rev Saude Publica** 1983 Aug;17(4):243–62 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Successful immunotherapy for Triatoma protracta–induced anaphylaxis. Rohr AS, et al. **J Allergy Clin Immunol** 1984 Mar;73(3):369–75

METABOLISM

Ecdysteroids: biochemical mechanism of 20–hydroxyecdysone inactivation in Triatoma infestans (Hemiptera, Reduviidae). Stoka A, et al. **Acta Physiol Lat Am** 1982;32(4):321–9

Passage of solutes through walls of Malpighian tubules of Rhodnius by paracellular and transcellular routes. O'Donnell MJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R759–69

Serotonin modulation of the release of sequestered [3H]serotonin from nerve terminals in an insect neurohemal organ in vitro. Flanagan TR, et al. **Brain Res** 1984 Jul 23;306(1–2):243–50

Cytological evidence for serotonin–containing fibers in an abdominal neurohemal organ in a hemipteran. Flanagan TR. **Brain Res** 1984 Jul 23;306(1–2):235–42

Crystallized hemoglobin in Rhodnius prolixus after a blood meal on guinea–pig. Smit JD, et al. **Experientia** 1983 Dec 15;39(12):1335–8

Cytophysiological correlations between prothoracic gland activity and hemolymph ecdysteroid concentrations in Rhodnius prolixus during the fifth larval instar: further studies in normal and decapitated larvae. Beaulaton J, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):1–16

[Biochemistry of the evolutive cycle of Triatoma infestans (vinchuca). V. Volatile fatty acids emission] Juárez P, et al. **Acta Physiol Lat Am** 1981;31(2):113–7 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Studies on Trypanosoma rangeli Tejera, 1920 II. Its effect on feeding behaviour of triatomine bugs. Añez N, et al. **Acta Trop (Basel)** 1984 Mar;41(1):93–5

Factors controlling the volume of feces produced by triatomine vectors of Chagas' disease. Piesman J, et al. **Acta Trop (Basel)** 1983 Dec;40(4):351–8

Scanning electron microscopy of the final phase of the life cycle of Trypanosoma cruzi in the insect vector. Zeledón R, et al. **Acta Trop (Basel)** 1984 Mar;41(1):39–43

Vertebrate hosts and vectors of Trypanosoma rangeli in the Amazon Basin of Brazil. Miles MA, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1251–9

Trypanosoma cruzi (Chagas) (protozoa: Kinetoplastida: Trypanosomatidae) in invertebrate and vertebrate hosts from Brewster County in Trans–Pecos Texas. Ikenga JO, et al. **J Econ Entomol** 1984 Feb;77(1):126–9

Cross–reactivity of vector–borne metacyclic forms of Trypanosoma cruzi with mammalian and culture stages. Villalta F, et al. **J Protozool** 1983 May;30(2):329–31

Experimental parasitization of eggs of Triatoma maculata (Erichson) by the oriental microhymenopteran, Gryon triatomae Masner and comment on the susceptibility of other neotropical triatomines. Bertram DS. **Trans R Soc Trop Med Hyg** 1983;77(4):495–502

Parasitization by the microhymenopteran Gryon triatomae Masner of eggs of Triatoma maculata (Erichson) in holes and mazes of artificial walls. Bertram DS. **Trans R Soc Trop Med Hyg** 1983;77(4):503–9

Triatomine vectors of Trypanosoma cruzi–like trypanosomes in urban areas of São Luiz, Maranhão, Brazil [letter] Brazil RP, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):568

Scanning electron microscopic studies of Trypanosoma cruzi in the rectum of its vector Triatoma infestans. Böker CA, et al. **Z Parasitenkd** 1984;70(4):459–69

Identification of trypanosomes isolated from reduviidae from north Chile. Schaub GA, et al. **Z Parasitenkd** 1984; 70(1):3–9

[Chagas' disease in Chile. Rural Sectors. Domiciliary triatomid infestation and Trypanosoma cruzi infection of the vector and mammals of Region I (1982–1983)] Martínez R, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):70–2 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The role of dirt floors and of firewood in rural dwellings in the epidemiology of Chagas' disease in Costa Rica. Zeledón R, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):232–5

Secretion by the Malpighian tubules of Rhodnius prolixus stal: electrical events. O'Donnell MJ, et al. **J Exp Biol** 1984 May;110:275–90

Circadian rhythms of locomotor activity in Triatoma infestans (Hemiptera: Reduviidae). Settembrini BP. **J Med Entomol** 1984 Mar 30;21(2):204–12

The biology and behavior of Triatoma barberi (Hemiptera: Reduviidae) in Mexico. III. Completion of the life cycle, adult longevity, and egg production under optimal feeding conditions. Zárate LG. **J Med Entomol** 1983 Oct 5; 20(5):485–97

ULTRASTRUCTURE

Cytoplasmic inclusions in virus–infected salivary gland cells of Triatoma infestans Klug. Mello ML. **Rev Bras Biol** 1983 Aug;43(3):251–6

TRIATOMINAE see **TRIATOMIDAE**

TRIAZENES

ADMINISTRATION & DOSAGE

[Thermochemotherapy for malignant melanoma––combined therapy of anti–tumor agents and hyperthermia in mice] Yamada K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan; 94(1):1–14 **(Jpn)**

CHEMICAL SYNTHESIS

Tumor inhibitory triazenes. 3. Dealkylation within an homologous series and its relation to antitumor activity. Wilman DE, et al. **J Med Chem** 1984 Jul;27(7):870–4

METABOLISM

Metabolism of the anticancer agent 1–(4–acetylphenyl)–3,3–dimethyltriazene. Farina P, et al. **Biomed Mass Spectrom** 1983 Aug;10(8):485–8

Triazene metabolism. III. In vitro cytotoxicity towards M21 cells and in vivo antitumour activity of the proposed metabolites of the antitumour 1–aryl–3,3–dimethyltriazenes. Kohlsmith DJ, et al. **Can J Physiol Pharmacol** 1984 Apr; 62(4):396–402

Comparative metabolism and carcinogenicity of ring–halogenated 3,3–dimethyl–1–phenyltriazenes. Kolar GF, et al. **J Cancer Res Clin Oncol** 1984;108(1):71–5

PHARMACODYNAMICS

Immunogenic changes of murine lymphoma cells following in vitro treatment with aryl–triazene derivatives. Nardelli B, et al. **Cancer Immunol Immunother** 1984;16(3):157–61

Microsome–mediated stimulation of the aminoacylation of rat liver initiator transfer ribonucleic acid by benzo[alpha]pyrene and 3,3–dimethyl–1–phenyltriazene. Hradec J, et al. **Cancer Lett** 1984 May;23(1):115–20

Hemostasis and mechanism of action of selective antimetastatic drugs in mice bearing Lewis lung carcinoma. Giraldi T, et al. **Eur J Cancer Clin Oncol** 1984 Jul; 20(7):961–6

[Carcinogenic effect of 1–phenyl– and 1–(pyridyl–3)–3,3–dimethyltriazenes and 1–phenyl– and 1–(pyridyl–3)–3,3–diethyltriazenes in single pre– and postnatal administration to BD IX rats] Imhof W, et al. **Arch Geschwulstforsch** 1983;53(6):557–69 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Comparison of the antitumor activity of DTIC and 1–p–(3,3–dimethyl–1–triazeno) benzoic acid potassium salt on murine transplantable tumors and their hematological toxicity. Colombo T, et al. **Cancer Chemother Pharmacol** 1984;13(2):139–41

Antimetastatic action and hematological toxicity of p–(3,3–dimethyl–1–triazeno)benzoic acid potassium salt and 5–(3,3–dimethyl–1–triazeno)imidazole–4–carboxamide used as prophylactic adjuvants to surgical tumor removal in mice bearing B16 melanoma. Sava G, et al. **Cancer Res** 1984 Jan;44(1):64–8

Effects of isomeric aryldimethyltriazenes on Lewis lung carcinoma growth and metastases in mice. Sava G, et al. **Chem Biol Interact** 1983 Aug 15;46(1):131–6

Effects of p–(3,3–dimethyl–1–triazeno)benzoic acid potassium salt on leukemic infiltration of brain and liver in mice bearing P388 leukemia. Sava G, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):287–9

Studies of the mode of action of antitumor triazenes and triazines. 6. 1–Aryl–3–(hydroxymethyl)–3–methyltriazenes: synthesis, chemistry, and antitumor properties. Vaughan K, et al. **J Med Chem** 1984 Mar;27(3):357–63

TOXICITY

Induction of lymphorecticular neoplasia and malformations by prenatal treatment with 1,3–di(4–sulfamoylphenyl)–triazene in mice. Nomura T, et al. **Carcinogenesis** 1984 May;5(5):571–5

TRIAZINES

The genetic variants of group–specific component (vitamin D–binding protein) possess different binding characteristics for immobilized Cibacron Blue 3–GA. Gianazza E, et al. **Biochem J** 1984 Mar 15;218(3):969–73

A facile method for the isolation of porcine heart mitochondrial malate dehydrogenase by affinity elution chromatography on Procion Red HE3B. Smith K, et al. **Biosci Rep** 1983 Nov;3(11):1035–43

Ion–exchange properties of Cibacron Blue 3G–A Sepharose (Blue Sepharose) and the interaction of proteins with Cibacron Blue 3G–A. Lascu I, et al. **J Chromatogr** 1984 Jan 20;283:199–210

ADMINISTRATION & DOSAGE

Combination chemotherapy with or without hexamethylmelamine in alkylating–agent resistant ovarian carcinoma. Neijt JP, et al. **Cancer** 1984 Apr 1;53(7):1467–72

Efficacy and nontarget effects of Larvadex as a feed additive for controlling house flies in caged–layer poultry manure. Axtell RC, et al. **Poult Sci** 1983 Dec;62(12):2371–7

[Control of flies in cattle houses with Larvadex administered with food] Grzywiński L, et al. **Wiad Parazytol** 1984; 30(1):57–60 (Eng. Abstr.) **(Pol)**

[Potentiation of the antitumor activity of dioxadet by antiestrogen para–aminobenzhydrazide in a model of ovarian ascites tumor] Tret'iakov AV, et al. **Vopr Onkol** 1983;29(12):66–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Phase I study of 2,4–diamino–6–(2,5–dichlorophenyl)–s–triazine maleate (MN–1695), a new anti–ulcer agent. Nakashima M, et al. **Arzneimittelforsch** 1984;34(4):492–8

Hypoglycaemia due to azapropazone–tolbutamide interaction. Waller DG, et al. **Br J Rheumatol** 1984 Feb; 23(1):24–5

The problem of sensitizing capacity of some Grotans used as bacteriocides in cooling oils. van Ketel WG, et al. **Derm Beruf Umwelt** 1983;31(4):118–21

Larvadex and the EPA [letter] Feulner RL. **Science** 1984 Jul 20;225(4659):266

EPA regulators take on the Delaney clause [news] Marshall E. **Science** 1984 May 25;224(4651):851–2

ANALYSIS

Identification of metabolites of hexazinone by mass spectrometry. Reiser RW, et al. **Biomed Mass Spectrom** 1983 Nov;10(11):581–5

The analysis and animal pharmacokinetics of 1,2,4, triglycidyl urazol using a high–pressure liquid chromatographic technique. Welsh J, et al. **Cancer Chemother Pharmacol** 1984;12(3):198–200

CHEMICAL SYNTHESIS

Investigation of the antitumor activity of new epoxide derivatives. Part I: s–Triazinetrione derivatives. Fischer H, et al. **Arzneimittelforsch** 1984;34(5):543–7

Pyrimidine and triazine 3–oxide sulfates: a new family of vasodilators. McCall JM, et al. **J Med Chem** 1983 Dec; 26(12):1791–3

[Synthesis and spectral properties of substituted guanamines suitable for chromatography of biguanides] Bellenger P, et al. **Ann Pharm Fr** 1983;41(4):327–37 (Eng. Abstr.) **(Fre)**

[Diamino–1,3,5–triazine derivatives. V. Synthesis and hypoglycemic properties of various 6–amino–1,2–dihydro–4(5–ethyl–4–methyl–2–pyrazoline)–derivatives] Gajewski F, et al. **Acta Pol Pharm** 1983; 40(5–6):545–9 (Eng. Abstr.) **(Pol)**

[Diamino–1,3,5–triazine derivatives. IV. Synthesis and hypoglycemic properties of various

6-amino-1,2-dihydro-4-(5-methyl-2-pyrazoline)-1,3,5-tri derivatives] Gajewski F, et al. **Acta Pol Pharm** 1983; 40(5-6):537-44 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

On the preparation and binding characteristics of Cibacron blue-glycerolpropyl-glass. Thresher WC, et al. **Biochim Biophys Acta** 1983 Dec 12;749(2):214-6

Ferene-S as the chromogen for serum iron determinations. Eskelinen S, et al. **Scand J Clin Lab Invest** 1983 Sep; 43(5):453-5

IMMUNOLOGY

Azapropazone-associated antibodies. Bird GW, et al. **Vox Sang** 1984;46(5):336-7

METABOLISM

Cyanuric acid--a s-triazine derivative as a nitrogen source for some soil microorganisms. Myśków W, et al. **Acta Microbiol Pol** 1983;32(2):177-83

Bacterial degradation of N-cyclopropylmelamine. The steps to ring cleavage. Cook AM, et al. **Biochem J** 1984 Sep 1;222(2):315-20

Biochemical studies on the ability of pentamethylmelamine to interact in vivo with DNA and proteins in a sensitive murine ovarian reticular cell sarcoma. Garattini E, et al. **Biochem Pharmacol** 1984 Sep 1;33(17):2715-22

Interaction of alpha 2-HS-glycoprotein with immobilized triazine dyes. Arnaud P, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):270-5

Distinction between cofactor-dependent and -independent phosphoglycerate mutases by chromatography on Cibacron Blue-Sepharose. Price NC, et al. **Biosci Rep** 1983 Sep; 3(9):857-61

Pharmacological characterization of teroxirone, a triepoxide antitumor agent, in rats, rabbits, and humans. Ames MM, et al. **Cancer Res** 1984 Sep;44(9):4151-6

Cellular and subcellular studies of the biotransformation of hexamethylmelamine in rat isolated hepatocytes and intestinal epithelial cells. Borm PJ, et al. **Cancer Res** 1984 Jul;44(7):2820-6

Dye-ligand affinity chromatography: the interaction of Cibacron Blue F3GA with proteins and enzymes. Subramanian S. **CRC Crit Rev Biochem** 1984;16(2):169-205 (150 ref.)

Pig heart nucleosidediphosphate kinase. Phosphorylation and interaction with Cibacron blue 3GA. Lascu I, et al. **Eur J Biochem** 1983 Oct 3;135(3):497-503

Metabolism, disposition and excretion of [14C]melamine in male Fischer 344 rats. Mast RW, et al. **Food Chem Toxicol** 1983 Dec;21(6):807-10

Triazine dye binding of human alpha-fetoprotein and albumin. Birkenmeier G, et al. **J Chromatogr** 1983 Jul 29; 265(1):27-35

Observations on epidermal exsorption in mice following injections of procion dyes and ethidium bromide and topically applied dimethyl sulfoxide. Shackleford JM, et al. **J Invest Dermatol** 1984 Jun;82(6):629-31

Rapid formation of N-hydroxymethylpentamethylmelamine by mitochondria from rat small intestinal epithelium. Borm P, et al. **Life Sci** 1983 Nov 21;33(21):2113-9

PHARMACODYNAMICS

Uricostatic effect of allopurinol in the allantoxanamide-treated rat: a new method for evaluating antiuricopathic drugs. Hropot M, et al. **Adv Exp Med Biol** 1984;165 Pt A:175-8

Antiviral activity of SK&F 21681 against herpes simplex virus. Katz E, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):195-200

Inactivation of Naegleria gruberi cysts by chlorinated cyanurates. Engel JP, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1157-62

In vitro and in vivo immunopharmacologic properties of a new antiallergic agent RHC 3414. Khandwala A, et al. **Arch Int Pharmacodyn Ther** 1984 Jan;267(1):103-22

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric mucosal damage induced by various necrotizing agents in rats. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):478-84

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric mucosal blood flow in dogs. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):485-91

Effect of 2,4-diamino-6-(2,5-dichlorophenyl)-s-triazine maleate (MN-1695) on gastric ulcers and gastric secretion in experimental animals. Ueda F, et al. **Arzneimittelforsch** 1984;34(4):474-7

Kinetic studies on interaction of (Na,K)-ATPase with Cibacron Blue F3GA as probe of the nucleotide fold. Schönfeld W, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):423-30

An affinity label for the regulatory dithiol of ribulose-5-phosphate kinase from maize (Zea mays). Ashton AR. **Biochem J** 1984 Jan 1;217(1):79-84

Studies of the mode of action of antitumour triazenes and triazines-V. The correlation of the in vitro cytotoxicity and in vivo antitumour activity of hexamethylmelamine analogues with their metabolism. Ross D, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1131-6

Presence of a dinucleotide fold in cholera toxin: possible approach to chemoprophylaxis? Dorai DT. **Biosci Rep** 1983 Sep;3(9):879-86

Inhibition of rat liver asparagine synthetase by Cibacron Blue F3GA. Hongo S, et al. **Enzyme** 1984;31(3):181-6

Antiallergic activity profile in vitro of RHC 2963 and related compounds. Khandwala A, et al. **Int J Immunopharmacol** 1983;5(6):491-502

Mode of action of the antiphytoviral compound 2,4-dioxohexahydro-1,3,5-triazine (5-azadihydrouracil). Schuster G, et al. **Intervirology** 1984;21(3):134-40

Crystallography, quantitative structure-activity relationships, and molecular graphics in a comparative analysis of the inhibition of dihydrofolate reductase from chicken liver and Lactobacillus casei by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(substituted-phe s. Hansch C, et al. **J Med Chem** 1984 Feb;27(2):129-43

Inhibition of human dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(substituted-phe s. A quantitative structure-activity relationship analysis. Hathaway BA, et al. **J Med Chem** 1984 Feb;27(2):144-9

Effects of uricosuric drugs and diuretics on uric acid excretion in oxonate-treated rats. Yonetani Y, et al. **Jpn J Pharmacol** 1983 Oct;33(5):947-54

Effect of the insect growth regulator CGA-72662 (Larvadex) on broiler breeder production, hatchability, and subsequent chick performance. Brake J, et al. **Poult Sci** 1984 May; 63(5):910-6

Effect of high levels of Larvadex on reproduction in Leghorn breeders. Wilson HR, et al. **Poult Sci** 1983 Sep;62(9):1731-3

Concomitant resistance to pyrimethamine and cycloguanil of chloroquine-resistant falciparum malaria from East Africa: an in vitro study of 12 isolates. Schapira A. **Trans R Soc Trop Med Hyg** 1984;78(3):359-62

The effects of sym. Triazinones on developmental stages of Eimeria tenella, E. maxima and E. acervulina: a light and electron microscopical study. Mehlhorn H, et al. **Z Parasitenkd** 1984;70(2):173-82

[Structure-activity relationship of hexamethylmelamine derivatives] Su YZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):276-80 (Eng. Abstr.) **(Chi)**

[Hexamethylmelamine (Hexastat)] Aabo K, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):285-6 **(Dan)**

[Interaction of DNA and RNA ligases of phage T4 with Cibacron Blue F 3GA] Baronalte ZA, et al. **Biokhimiia** 1984 Jan;49(1):142-8 (Eng. Abstr.) **(Rus)**

POISONING

Cyclonite poisoning in a dog. Berry AP, et al. **Vet Rec** 1983 Nov 5;113(19):449

Cyclonite poisoning in a dog [letter] Croft PE. **Vet Rec** 1983 Nov 12;113(20):477

Cyclonite poisoning in a dog [letter] Littlewood JD, et al. **Vet Rec** 1983 Nov 19;113(21):503

THERAPEUTIC USE

Hexamethylmelamine in advanced head and neck cancer. A phase II study. Gad-El-Mawla N, et al. **Am J Clin Oncol** 1984 Jun;7(3):205-8

Quantitative sacroiliac scintiscanning: a sensitive and objective method for assessing efficacy of nonsteroidal, anti-inflammatory drugs in patients with sacroiliitis. Dunn NA, et al. **Ann Rheum Dis** 1984 Apr;43(2):157-9

Azapropazone--a treatment for hyperuricaemia and gout? Gibson T, et al. **Br J Rheumatol** 1984 Feb;23(1):44-51

The curative action of hexamethylmelamine on intramuscularly or intracerebrally implanted Yoshida sarcoma. Osswald H. **Cancer Lett** 1984 Jan;21(3):343-9

Randomized phase II trial of hexamethylmelamine versus pentamethylmelamine in carcinoma of the bilharzial bladder. Gad-el-Mawla N, et al. **Cancer Treat Rep** 1984 May;68(5):793-4

Randomized trial of hexamethylmelamine versus 5-FU, doxorubicin, and cyclophosphamide (FAC) in advanced transitional cell bladder carcinoma: a Southwest Oncology Group study. Gagliano RG, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):1025-6

Preclinical evaluation of the anti tumour activity of new epoxyde derivatives. Atassi G, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:99-110

Preliminary studies with azapropazone in gout and hyperuricaemia. Thomas AL, et al. **Eur J Rheumatol Inflamm** 1983;6(2):149-54

Failure of hexamethylmelamine as salvage therapy in ovarian epithelial adenocarcinoma resistant to combination chemotherapy. Stehman FB, et al. **Gynecol Oncol** 1984 Feb; 17(2):189-95

Phase II study of Baker's antifol (triazinate, TZT, NSC 139, 105) in advanced carcinoma of the ovary. A Gynecologic Oncology Group study. Arseneau JC, et al. **Invest New Drugs** 1983;1(2):185-8

Comparative structure-activity relationships of antifolate triazines inhibiting murine tumor cells sensitive and resistant to methotrexate. Selassie CD, et al. **J Med Chem** 1984 Mar;27(3):347-57

Human central nervous system pharmacology of pentamethylmelamine and its metabolites. Stewart DJ, et al. **J Neurooncol** 1983;1(4):357-64

TOXICITY

Effect of dietary administration of the rubber curative trithiocyanuric acid to the rat. Koschier FJ, et al. **Food Chem Toxicol** 1983 Aug;21(4):495-8

Urolithiasis and bladder carcinogenicity of melamine in rodents. Melnick RL, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):292-303

Pancreatic beta cell vacuolation in rats after oral administration of hexamethylmelamine. Molello JA, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):255-61

Reproduction and teratology studies on hexamethylmelamine in the rat and rabbit. Thompson DJ, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):245-54

TRIAZIQUONE

PHARMACODYNAMICS

Depression of histone acetylation by alkylating antitumor agents: significance for antitumor activity and possible biological consequences. Grunicke H, et al. **Adv Enzyme Regul** 1984;22:433-46

Liquid-holding experiments with human peripheral lymphocytes. II. Experiments with trenimon and 1-beta-D-arabinosylcytosine. Kalweit S, et al. **Mutat Res** 1984 Aug;128(1):59-64

TOXICITY

Depression of histone acetylation by alkylating antitumor agents in murine cells. Zwierzina H, et al. **Cancer Res** 1984 Aug;44(8):3336-9

TRIAZOLAM see under **BENZODIAZEPINE TRANQUILIZERS**

TRIAZOLES

ADMINISTRATION & DOSAGE

BRL 22321. A compound with similarities to both disodium cromoglycate and theophylline. Smith H, et al. **Monogr Allergy** 1983;18:223-5

ADVERSE EFFECTS

Contact allergy to Tinuvin P. de Groot AC, et al. **Contact Dermatitis** 1983 Jul;9(4):324-5

ANALYSIS

The study of heptenophos and triazophos residues in vegetables treated with the organophosphorus insecticides Hostaquick and Hostathion. Horbowicz M, et al. **J Environ Sci Health [B]** 1983 Aug;18(4-5):465-72

[Microbiological determination of the oral antifungal agent Bay N 7133 and ketoconazole in cervical and vaginal secretion of patients] Nusch W, et al. **Mykosen** 1983 Dec; 26(12):600-4 (Eng. Abstr.) **(Ger)**

BLOOD

High-pressure liquid chromatographic assay of Bay n 7133 in human serum. Fasching CE, et al. **Antimicrob Agents Chemother** 1984 May;25(5):596-8

CHEMICAL SYNTHESIS

Synthesis and antihypertensive activity of some 3-substituted 4H-1,2,4-triazoles. Emilsson H, et al. **Acta Pharm Suec** 1983;20(6):419-32

Synthesis and antihypertensive activity of some derivatives of diaminoguanidine and 3-hydrazino-4H-1,2,4-triazoles. Emilsson H, et al. **Acta Pharm Suec** 1983;20(3):161-80

Synthesis and antihypertensive activity of some hydrazones of 3-hydrazino-4H-1,2,4-triazole. Emilsson H, et al. **Acta Pharm Suec** 1983;20(5):341-8

Synthesis and antibacterial activity of triazole and isoxazole derivatives of ampicillin. Yasuda N, et al. **J Antibiot (Tokyo)** 1983 Nov;36(11):1516-24

Antimycotic azoles. 7. Synthesis and antifungal properties of a series of novel triazol-3-ones. Heeres J, et al. **J Med Chem** 1984 Jul;27(7):894-900

Beta 1-selective adrenoceptor antagonists. 3. 4-Azolyl-linked phenoxypropanolamines. Machin PJ, et al. **J Med Chem** 1984 Apr;27(4):503-9

Biological activity and a modified synthesis of 8-amino-3-beta-D-ribofuranosyl-1,2,4-triazolo[4,3-a]pyr an isomer of formycin. Schneller SW, et al. **J Med Chem** 1984 Jul;27(7):924-8

Triazolines XIII: delta 2-1,2,3-triazolines, a new class of anticonvulsants. Kadaba PK. **J Pharm Sci** 1984 Jun; 73(6):850-2

Synthesis and antimicrobial testing of certain oxadiazoline and triazole derivatives. Hassan E, et al. **Pharmazie** 1983 Dec;38(12):833-5

METABOLISM

Biotransformation of 2-alkylbenzotriazoles to potential carcinogens. Hoffmann H, et al. **Arch Pharm (Weinheim)** 1983 Aug;316(8):724-5

Detection and determination of active metabolites of 1-(2-o-chlorobenzoyl-4-chlorophenyl)-5-glycyl-aminom 1-carbamoyl-1H-1,2,4-triazole hydrochloride dihydrate, (450191-S), in rat tissues, using a radioreceptor assay for benzodiazepines. Fujimoto M, et al. **Biochem Pharmacol** 1984 May 15;33(10):1645-51

Serum concentration and urinary excretion of dapiprazole in the rat. Catanese B, et al. **Boll Chim Farm** 1983 Jun; 122(6):276–80

Percutaneous absorption of triadimefon in the adult and young male and female rat. Knaak JB, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):406–16

Metabolic pathways of the contragestational agent, 3-(2-ethylphenyl)-5-(3-methoxyphenyl)-1H-1,2,4-triazol (DL 111-IT), in the rat. Assandri A, et al. **Xenobiotica** 1984 Jun;14(6):429–43

PHARMACODYNAMICS

Studies on the differential mechanisms of inhibition of ribonucleotide reductase by specific inhibitors of the non-heme iron subunit. Sato A, et al. **Adv Enzyme Regul** 1984;22:231–41

In vitro activities of two new antifungal azoles. Hoeprich PD, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):339–41

Comparison of ketoconazole, Bay N7133, and Bay L9139 in the treatment of experimental vaginal candidiasis. Sobel JD, et al. **Antimicrob Agents Chemother** 1983 Sep; 24(3):434–6

Effect of catalase inactivation on levels of inorganic peroxides, superoxide dismutase, glutathione, oxygen consumption and life span in adult houseflies (Musca domestica). Allen RG, et al. **Biochem J** 1983 Nov 15; 216(2):503–6

Hypothesis on the molecular basis of the antifungal activity of N-substituted imidazoles and triazoles. Van den Bossche H, et al. **Biochem Soc Trans** 1983 Dec;11(6):665–7

Terconazole - a new broad-spectrum antifungal. Van Cutsem J, et al. **Chemotherapy** 1983;29(5):322–31

Glutathione peroxidase blockage inhibits prostaglandin biosynthesis in rat platelets and aorta. Doni MG, et al. **Haemostasis** 1983;13(4):240–3

Antiallergic activity profiles in vitro of RHC 3164 and related compounds. II. Comparison of RHC 3164 with disodium cromoglycate. Khandwala A, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):65–70

Antiallergic activity profiles in vitro of RHC 3164 and related compounds. I. A lack of correlation between inhibition of cyclic nucleotide phosphodiesterases and antigen-induced release of histamine from rat mast cells. Khandwala A, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):56–64

In vitro and in vivo activity profile of RHC 2851: a new orally effective antiallergic agent. Khandwala A, et al. **J Immunopharmacol** 1983;5(4):311–32

Studies on 1,2,3-triazoles. 10. Synthesis and antiallergic properties of 9-oxo-1H,9H-benzothiopyrano[2,3-d]-1,2,3-triazoles and their S-oxides. Buckle DR, et al. **J Med Chem** 1984 Feb; 27(2):223–7

In vitro susceptibility testing of Naegleria fowleri to ketoconazole, BAYn7133, and allopurinol riboside. Smego RA Jr, et al. **J Parasitol** 1984 Apr;70(2):317–8

Amitrole-induced cell transformation and gene mutations in Syrian hamster embryo cells in culture. Tsutsui T, et al. **Mutat Res** 1984 Aug;140(4):205–7

In vitro antifungal activities of Bay n 7133 and Bay L 9139, two new orally absorbed antifungal imidazole derivatives, against pathogenic yeasts. Fromtling RA, et al. **Mycopathologia** 1984 Apr 30;86(1):45–50

In-vitro inhibitory activities of 2 new orally absorbable imidazole derivatives: BAY n 7133 and BAY l 9139. Fromtling RA, et al. **Sabouraudia** 1983 Sep;21(3):179–84

Azole resistance in Candida albicans. Ryley JF, et al. **Sabouraudia** 1984;22(1):53–63

In-vitro studies with four new antifungal agents: BAY n 7133, bifonazole (BAY h 4502), ICI 153,066 and Ro 14-4767/002. Shadomy S, et al. **Sabouraudia** 1984; 22(1):7–15

[Anti-inflammatory activity in dermatologic formulations of 3-carboxymethylthiotriazoles] Puglisi G, et al. **Boll Chim Farm** 1983 Aug;122(8):374–83 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on drug dependence. (III): Intravenous self-administration of some CNS-affecting drugs and a new sleep-inducer, 1H-1, 2, 4-triazolyl benzophenone derivative (450191-S), in rats] Yoshimura K, et al. **Nippon Yakurigaku Zasshi** 1984 Jan;83(1):39–67 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Comparative activities of Bay n7133, ICI 153,066, and ketoconazole in murine cryptococcosis. Graybill JR, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):829–34

Antimycotic activity of BAY N 7133 in animal experiments. Plempel M. **J Antimicrob Chemother** 1984 May; 13(5):447–63

Treatment of experimental murine aspergillosis with BAY n7133. Graybill JR, et al. **J Infect Dis** 1983 Nov; 148(5):898–906

A direct comparison of oral treatments with BAY-n-7133, BAY-1-9139 and ketoconazole in experimental murine coccidioidomycosis. Levine HB. **Sabouraudia** 1984; 22(1):37–46

[Correlation of in vitro and in vivo actions of azole antimycotics] Plempel M. **Mykosen** 1984 Jan;27(1):7–13 (Eng. Abstr.) **(Ger)**

TOXICITY

Sensitization potential of benzotriazole. Maurer T, et al. **Contact Dermatitis** 1984 Mar;10(3):163–5

TRIBENOSIDE see under **GLYCOSIDES**

TRIBOLIUM

Clinical curio: Tribolium Macleay (Coleoptera: Tenebrionidae) infestation in children. Beeson BB, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1198

GENETICS

Genetic control of emigration behavior in Tribolium castaneum and T. confusum. Riddle RA, et al. **Behav Genet** 1983 Jul;13(4):421–34

Variance-effective population number: the effects of sex ratio and density on the mean and variance of offspring numbers in the flour beetle, Tribolium castaneum. Wade MJ. **Genet Res** 1984 Jun;43(3):249–56

PHYSIOLOGY

Carboxyesterase degradation of malathion in vitro by susceptible and resistant strains of Tribolium castaneum (Herbst) (Coleoptera, Tenebrionidae). Price NR. **Comp Biochem Physiol [C]** 1984;77(1):95–8

Age and sensitivity to oxygen in the flour beetle, Tribolium confusum. Lee YJ, et al. **Mech Ageing Dev** 1983 Jun; 22(2):97–103

TRIBROMOETHANOL

An evaluation of tribromoethanol (TBE) as an anaesthetic agent in the Mongolian gerbil (Meriones unguiculatus). Norris ML, et al. **Lab Anim** 1983 Oct;17(4):324–9

TRIBUTYRINASE see **LIPASE**

TRIBUZONE see under **PHENYLBUTAZONE**

TRICARBOXYLIC ACID CYCLE see **KREBS CYCLE**

TRICARBOXYLIC ACIDS

Fluorometric determination of carbodiimides with trans-aconitic acid. Chen SC. **Anal Biochem** 1983 Jul 15; 132(2):272–5

ANALYSIS

Simultaneous quantitation of Krebs cycle and related acids by mass fragmentography. Marai L, et al. **J Chromatogr** 1983 Oct 7;268(3):447–60

CHEMICAL SYNTHESIS

The synthesis and characterization of N-sulfo-2-amino tricarballylate: an analog of phosphocitrate and inhibitor of calcification. Brown MR, et al. **Anal Biochem** 1983 Jul 1;132(1):115–23

PHARMACODYNAMICS

Phosphocitrate and its analogue N-sulpho-2-amino tricarballylate inhibit aortic calcification. Shankar R, et al. **Atherosclerosis** 1984 Aug;52(2):191–8

Effectiveness of phosphocitrate and N-sulpho-2-amino tricarballylate, a new analogue of phosphocitrate, in blocking hydroxyapatite induced crystal growth and calcium accumulation by matrix vesicles. Shankar R, et al. **Experientia** 1984 Mar 15;40(3):265–7

TRICHINA see **TRICHINELLA**

TRICHINELLA

Assessment of some preservation and staining methods of encysted larvae of helminths. el-Ridi AM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):195–201

First report of Trichinella spiralis var. pseudospiralis in North America. Wheeldon EB, et al. **J Parasitol** 1983 Aug; 69(4):781–2

CLASSIFICATION

Differentiation of Trichinella spiralis spiralis and Trichinella spiralis nativa based on resistance to low temperature refrigeration. Smith HJ. **Can J Comp Med** 1983 Oct; 47(4):501–2

DRUG EFFECTS

The influence of some anthelmintics on the bioenergetic metabolism of Trichinella spiralis and Trichinella pseudospiralis. Boczon K, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2523–5

Myeloperoxidase is more efficient than eosinophil peroxidase in the in vitro killing of newborn larvae of Trichinella spiralis. Buys J, et al. **Immunology** 1984 Mar;51(3):601–7

Oxfendazole: regimen-dependent expression of drug efficacy against Trichinella spiralis. McCracken RO, et al. **Int J Parasitol** 1984 Jun;14(3):277–81

A comparison of the effects of flubendazole and thiabendazole on the larvae of Angiostrongylus cantonensis, Trichinella spiralis, Diphyllobothrium erinacei and Hymenolepis nana in mice. Maki J, et al. **Parasitology** 1983 Dec;87 (Pt 3):525–31

A comparison between the efficacy of thiabendazole and febantel on experimental trichinellosis in rats. Alcaíno HA, et al. **Vet Parasitol** 1984 Mar;14(2):153–7

GROWTH & DEVELOPMENT

Development of the male genitalia of Trichinella spiralis during the enteral phase of infection in the mouse: an SEM study. Burnham JC, et al. **J Parasitol** 1984 Apr;70(2):310–1

IMMUNOLOGY

Enzyme immunoassay for swine trichinellosis using antigens purified by immunoaffinity chromatography. Seawright GL, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1275–84

Monoclonal antibody-purified antigen for the immunodiagnosis of trichinosis. Gamble HR, et al. **Am J Vet Res** 1984 Jan;45(1):67–74

Cloned T cells recognize Trichinella spiralis antigen in association with an Ek beta Ek alpha restriction element. Krco CJ, et al. **Immunogenetics** 1983;18(5):435–44

Intestinal mucus trapping in the rapid expulsion of Trichinella spiralis by rats: induction and expression analyzed by quantitative worm recovery. Bell RG, et al. **Infect Immun** 1984 Jul;45(1):267–72

Antigens from trichinella spiralis that induce a protective response in the mouse. Silberstein DS, et al. **J Immunol** 1984 Feb;132(2):898–904

Stage specific secreted and somatic antigens of Trichinella spiralis. Parkhouse RM, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):319–27

Protection against Trichinella spiralis induced by a monoclonal antibody that promotes killing of newborn larvae by granulocytes. Ortega-Pierres G, et al. **Parasite Immunol** 1984 May;6(3):275–84

The occurrence of antibodies to hidden and exposed determinants of surface antigens of Trichinella spiralis. Ortega-Pierres G, et al. **Parasitology** 1984 Apr;88 (Pt 2):359–69

Rapid expulsion of Trichinella spiralis in suckling rats. Appleton JA, et al. **Science** 1984 Oct 5;226(4670):70–2

Diagnosis of swine trichinosis by enzyme-linked immunosorbent assay (ELISA) using an excretory—secretory antigen. Gamble HR, et al. **Vet Parasitol** 1983 Nov;13(4):349–61

Rat mononuclear cells and neutrophils are more effective than eosinophils in antibody-mediated stage-specific killing of Trichinella spiralis in vitro. Ruitenberg EJ, et al. **Z Parasitenkd** 1983;69(6):807–15

ISOLATION & PURIFICATION

Expression of expulsion of Trichinella spiralis in mice. Sinski E, et al. **J Parasitol** 1983 Dec;69(6):1167–8

Trichinella isolates from polar bears in Svalbard. Freeze resistance and infectivity in rats and swine. Kjos-Hanssen B. **Nord Vet Med** 1984 Jan-Feb;36(1-2):57–61

METABOLISM

Histochemical differentiation of four species of the genus Trichinella from days 10-40 of their development in muscles of experimentally infected mice. Hulínská D, et al. **Folia Parasitol (Praha)** 1984;31(1):19–27

PATHOGENICITY

A single gene determines rapid expulsion of Trichinella spiralis in mice. Bell RG, et al. **Infect Immun** 1984 Jul; 45(1):273–5

PHYSIOLOGY

Interactions between Trichinella spiralis and Hymenolepis nana in the intestine of the mouse. Ferretti G, et al. **Int J Parasitol** 1984 Feb;14(1):29–33

Some properties of the surface of nematode larvae. Jungery M, et al. **J Helminthol** 1983 Dec;57(4):291–5

Infectivity of isolates of Trichinella and the ability of an arctic isolate to survive freezing temperatures in the raccoon, Procyon lotor, under experimental conditions. Dick TA. **J Wildl Dis** 1983 Oct;19(4):333–6

Scavenger enzymes and resistance to oxygen mediated damage in Trichinella spiralis. Kazura JW, et al. **Mol Biochem Parasitol** 1984 Jan;10(1):1–10

RADIATION EFFECTS

[Recovery of pork meat infected with Trichinella spiralis using gamma radiation] Plaza J, et al. **Bol Chil Parasitol** 1982 Jul-Dec;37(3-4):60–2 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Sense organs of the nematodes Trichinella pseudospiralis Garkavi, 1972 and T. nativa Britov et Boev, 1972. Hulínská D, et al. **Folia Parasitol (Praha)** 1984;31(2):141–5

Comparison of three subspecies of Trichinella spiralis by scanning electron microscopy. Lichtenfels JR, et al. **J Parasitol** 1983 Dec;69(6):1131–40

TRICHINELLIASIS see **TRICHINOSIS**

TRICHINELLOIDEA see TRICHUROIDEA

TRICHINOSIS

Proceedings of the International Commission on Trichinellosis. No XVII. **Wiad Parazytol** 1983; 29(4–6):375–669 **(Eng, Mul)**

BLOOD

Reticulocytopenia in trichinellosis. Ngwenya BZ, et al. **J Parasitol** 1984 Feb;70(1):175–7

[Some indices of organ reactivity in experimental trichinellosis. I. Granulocyte reactions in trichinellosis in rabbits] Prokopowicz D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):554–9 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Myocarditis caused by Trichinella spiralis [letter] Ursell PC, et al. **Arch Pathol Lab Med** 1984 Jan;108(1):4–5

Trypanosoma musculi with Trichinella spiralis or Heligmosomoides polygyrus: concomitant infections in the mouse. Bell RG, et al. **Exp Parasitol** 1984 Aug;58(1):8–18

Trypanosoma musculi and Trichinella spiralis: concomitant infections and selection for resistance genotypes in mice. Bell RG, et al. **Exp Parasitol** 1984 Aug;58(1):19–26

Trichinella spiralis: changes in leucocytes during infection. Lee CM, et al. **J Natl Med Assoc** 1983 Dec;75(12):1205–14

DIAGNOSIS

Indirect hemagglutination test for diagnosis of trichinosis. Li YL, et al. **Acta Acad Med Wuhan** 1984;4(1):28–30

Study of acute trichinosis in Ghurkas: specificity and sensitivity of enzyme-linked immunosorbent assays for IgM and IgE antibodies to Trichinella larval antigens in diagnosis. Au AC, et al. **Trans R Soc Trop Med Hyg** 1983; 77(3):412–5

[Trichinosis with a severe course and fatal outcome] Trocha H, et al. **Pol Tyg Lek** 1983 Nov 14;38(46):1427–9 (Eng. Abstr.) **(Pol)**

[Use of the circumlarval precipitation test for the diagnosis and epidemiological survey of trichinosis] Marinov R, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):47–9 (Eng. Abstr.) **(Rum)**

[Indirect immunofluorescence reaction in human trichinelliasis] Morenets TM. **Med Parazitol (Mosk)** 1984 May–Jun;(3):29–34 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of trichinosis with mebendazole. Levin ML. **Am J Trop Med Hyg** 1983 Sep;32(5):980–3

Oxfendazole: regimen-dependent expression of drug efficacy against Trichinella spiralis. McCracken RO, et al. **Int J Parasitol** 1984 Jun;14(3):277–81

Therapeutic effect of Oxfendazole on the intestinal phase of Trichinella spiralis larvae. Michael SA, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):151–4

A comparison between the efficacy of thiabendazole and febantel on experimental trichinellosis in rats. Alcaíno HA, et al. **Vet Parasitol** 1984 Mar;14(2):153–7

[Etiologic treatment and prevention of trichinosis using mebendazole] Mittermayer T, et al. **Cas Lek Cesk** 1984 Mar 30;123(13):384–6 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

[Some indices of organ reactivity in experimental trichinellosis. II. Lysozyme activity in trichinellosis in rabbits] Prokopowicz D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):560–5 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

A gene mapping between the S and D regions of the H-2 complex influences resistance to Trichinella spiralis infections of mice. Wassom DL, et al. **J Immunogenet** 1983 Oct;10(5):371–8

IMMUNOLOGY

Cell-mediated immunoreactivity in acute human trichinellosis. Ferencz A, et al. **Acta Microbiol Hung** 1983; 30(1):47–51

In vivo and in vitro responses to sheep erythrocytes by lymph node cells from mice with trichinellosis. Jones JF, et al. **Clin Exp Immunol** 1984 Aug;57(2):301–6

Trichinella spiralis: immunization of rats with an antigen fraction enriched for allergenicity. Durham CP, et al. **Exp Parasitol** 1984 Jun;57(3):297–306

Cloned T cells recognize Trichinella spiralis antigen in association with an Ek beta Ek alpha restriction element. Krco CJ, et al. **Immunogenetics** 1983;18(5):435–44

Genetic control of immunity to Trichinella spiralis infections of mice. Hypothesis to explain the role of H-2 genes in primary and challenge infections. Wassom DL, et al. **Immunology** 1984 Apr;51(4):625–31

Intestinal mucus trapping in the rapid expulsion of Trichinella spiralis by rats: induction and expression analyzed by quantitative worm recovery. Bell RG, et al. **Infect Immun** 1984 Jul;45(1):267–72

A single gene determines rapid expulsion of Trichinella spiralis in mice. Bell RG, et al. **Infect Immun** 1984 Jul; 45(1):273–5

Soluble antigens and antibodies in the sera of mice infected with Trichinella spiralis, detected by a modified double counterimmunoelectrophoresis technique. Smith HV, et al. **J Helminthol** 1984 Mar;58(1):71–8

Antigens from trichinella spiralis that induce a protective response in the mouse. Silberstein DS, et al. **J Immunol** 1984 Feb;132(2):898–904

Expression of expulsion of Trichinella spiralis in mice. Sinski E, et al. **J Parasitol** 1983 Dec;69(6):1167–8

Enteral and parenteral responses in mice after primary infection with Trichinella spiralis (Nematoda). Sinski E, et al. **J Parasitol** 1983 Aug;69(4):645–53

A survey of susceptibility to infection with Trichinella spiralis of inbred mouse strains sharing common H-2 alleles but different genetic backgrounds. Wassom DL, et al. **J Parasitol** 1983 Dec;69(6):1033–7

Intestinal Trichinella spiralis and Trichinella pseudospiralis in germfree and conventional mice. Przyjalkowski ZW, et al. **Prog Food Nutr Sci** 1983;7(3–4):117–26

Rapid expulsion of Trichinella spiralis in suckling rats. Appleton JA, et al. **Science** 1984 Oct 5;226(4670):70–2

The cellular IgE response of rodents to infection with Nippostrongylus brasiliensis, Trichinella spiralis and Schistosoma mansoni. Urban JF Jr, et al. **Vet Parasitol** 1984 Jun;14(3–4):193–208

Immunomodulation by Propionibacterium granulosum KP 45 and experimental trichinellosis in mice. Bany J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):518–22

METABOLISM

Trichinella spiralis: rapid, immunologically influenced reduction of intestinal, sodium-coupled sugar transport in the rat. Bullick GR, et al. **Exp Parasitol** 1984 Feb; 57(1):104–9

Sialic acid deficiency in lectin-resistant intestinal brush border membranes from rats following the intestinal phase of trichinellosis. Harari Y, et al. **Mol Biochem Parasitol** 1983 Sep;9(1):73–81

OCCURRENCE

Trichinosis in southern Lebanon. Blondheim DS, et al. **Isr J Med Sci** 1984 Feb;20(2):141–4

Trichinosis—Texas. **MMWR** 1984 Sep 21;33(37):517–8

Trichinosis surveillance, 1981. Schantz PM, et al. **MMWR Surveill Summ** 1983 May;32(2):15SS–22SS

[The occurrence of trichinosis in Hengxian County, Guangxi Zhuang National Autonomous Region—report of 31 cases] Nong JZ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):60 **(Chi)**

[Epidemiology of Trichinella spiralis infections in the Eifel region, 1982] Feldmeier H, et al. **Dtsch Med Wochenschr** 1984 Feb 10;109(6):205–10 (Eng. Abstr.) **(Ger)**

[Trichinosis in the Bitburg area (Eifel). From the viewpoint of medical officers of the Public Health Department] Stein HA. **Off Gesundheitswes** 1983 Oct;45(10):532–3 **(Ger)**

[Clinico-epidemiological characteristics of trichinelliasis from synanthropic and natural foci in Byelorussia] Klein IuS, et al. **Med Parazitol (Mosk)** 1984 May–Jun;(3):25–8 (Eng. Abstr.) **(Rus)**

[Clinico-epidemiologic characteristics of trichinellosis in the Ternopol' area] Andreichin MA, et al. **Vrach Delo** 1983 Oct;(10):96–100 (1 ref.) (Eng. Abstr.) **(Rus)**

[An outbreak of trichinosis in Concepción, Chile. A serologic study] Cabrera G, et al. **Bol Chil Parasitol** 1982 Jul–Dec; 37(3–4):47–9 (Eng. Abstr.) **(Spa)**

[Prevalence of human trichinosis in Santiago, Chile (1982)] Escobar A, et al. **Bol Chil Parasitol** 1982 Jul–Dec; 37(3–4):66–7 (Eng. Abstr.) **(Spa)**

[Updating and perspectives of the epidemiology of trichinosis in Chile] Schenone H, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):63–6 (Eng. Abstr.) **(Spa)**

[4 new cases of acute trichinosis in Naucalpan. Considerations on the real frequency of the disease in Mexico] Martínez Marañón R. **Salud Publica Mex** 1983 Nov–Dec;25(6):574–8 (Eng. Abstr.) **(Spa)**

[New outbreaks of trichinosis in the state of Zacatecas] Villacaña Fuentes H, et al. **Salud Publica Mex** 1984 May–Jun;26(3):260–2 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Histochemical differentiation of four species of the genus Trichinella from days 10–40 of their development in muscles of experimentally infected mice. Hulínská D, et al. **Folia Parasitol (Praha)** 1984;31(1):19–27

Interactions between Trichinella spiralis and Hymenolepis nana in the intestine of the mouse. Ferretti G, et al. **Int J Parasitol** 1984 Feb;14(1):29–33

Development of the male genitalia of Trichinella spiralis during the enteral phase of infection in the mouse: an SEM study. Burnham JC, et al. **J Parasitol** 1984 Apr;70(2):310–1

PATHOLOGY

Preliminary observation on the absence of globule leucocytes in mast cell-deficient W/Wv anemic mice after Trichinella spiralis infection. Kamiya M, et al. **Jpn J Vet Res** 1983 Oct;31(3–4):133–40

[Case of trichinosis with a fatal outcome] Evdokimov VN. **Arkh Patol** 1983;45(9):64–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Trichinella spiralis: intestinal myoelectric activity during enteric infection in the rat. Palmer JM, et al. **Exp Parasitol** 1984 Apr;57(2):132–41

The open-field behaviour of mice infected with Trichinella pseudospiralis. Rau ME. **Parasitology** 1984 Jun;88 (Pt 3):415–9

PSYCHOLOGY

Loss of behavioural dominance in male mice infected with Trichinella spiralis. Rau ME. **Parasitology** 1984 Apr;88 (Pt 2):371–3

VETERINARY

Enzyme immunoassay for swine trichinellosis using antigens purified by immunoaffinity chromatography. Seawright GL, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1275–84

Monoclonal antibody-purified antigen for the immunodiagnosis of trichinosis. Gamble HR, et al. **Am J Vet Res** 1984 Jan;45(1):67–74

Differentiation of Trichinella spiralis spiralis and Trichinella spiralis nativa based on resistance to low temperature refrigeration. Smith HJ. **Can J Comp Med** 1983 Oct; 47(4):501–2

Distribution of Trichinella spiralis larvae in selected muscles and organs of experimentally infected swine. Kotula AW, et al. **J Anim Sci** 1984 Jan;58(1):94–8

Infectivity of isolates of Trichinella and the ability of an arctic isolate to survive freezing temperatures in the raccoon, Procyon lotor, under experimental conditions. Dick TA. **J Wildl Dis** 1983 Oct;19(4):333–6

Innate resistance of chickens to Trichinella spiralis at the muscular phase of the parasite. Ooi H, et al. **Jpn J Vet Res** 1984 Jan;32(1):1–7

Application of hybridoma technology to the diagnosis of parasitic disease. Gamble HR. **Vet Parasitol** 1984 Jun; 14(3–4):251–61 (29 ref.)

Diagnosis of swine trichinosis by enzyme-linked immunosorbent assay (ELISA) using an excretory—secretory antigen. Gamble HR, et al. **Vet Parasitol** 1983 Nov;13(4):349–61

TRICHLORBUTANOL see CHLOROBUTANOL

TRICHLORFON

Evaluation of a new insecticide for use in screwworm adult suppression system pellets. Peterson RD 2d, et al. **J Econ Entomol** 1983 Aug;76(4):824–7

ADMINISTRATION & DOSAGE

Intermittent chemotherapy with trichlorfon (metrifonate) reverses proteinuria, hematuria, and leukocyturia in urinary schistosomiasis: results of a three-year field study. Doehring E, et al. **J Infect Dis** 1984 Apr;149(4):615–20

Long-term efficacy of single-dose oral treatment in schistosomiasis haematobium. Pugh RN, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):55–9

Critical tests of morantel-trichlorfon paste formulation against internal parasites of the horse. Drudge JH, et al. **Vet Parasitol** 1984 Jan;14(1):55–64

[Effectiveness of 3 doses of metrifonate in the treatment of urinary bilharziasis in Senegal] Diallo S, et al. **Dakar Med** 1983;28(1):67–76 (Eng. Abstr.) **(Fre)**

[Comparison of 3 metrifonate dosages in mass chemotherapy of Schistosoma haematobium] Rey JL, et al. **Med Trop (Mars)** 1984 Jan–Mar;44(1):57–60 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Evaluation of the present maximum permissible exposure level of Dipterex in the air in a workshop] Lu YP. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):144–8 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Some further data on the effects of two organophosphate pesticides on the oxidative metabolism in the liver. Matkovics B, et al. **Gen Pharmacol** 1983;14(6):689–91

Circadian rhythms of RNA, DNA and protein in the rat thyroid, adrenal and testis in chronic pesticide exposure. III. Effects of the insecticides (dichlorvos and trichlorphon). Nicolau GY. **Physiologie** 1983 Apr–Jun; 20(2):93–101

[Effect of chlorophos on the lipid composition of the brain and spinal cord of the white rat] Kuz'minskaia UA, et al. **Gig Sanit** 1984 Jun;(6):71–2 **(Rus)**

POISONING

Peripheral blood picture in rabbits poisoned by the pesticide Trichlorfon. Szubartowska E. **Folia Biol (Krakow)** 1983; 31(4):407–18

Evolutive aspects in the rehabilitation of toxic exogenous polyneuropathies objectivized by EMG. Vlad TL, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):209–12

[Morpho-functional changes in the liver after exposure to cholinesterase inhibitors] Kravtsova GB. **Arkh Anat Gistol Embriol** 1983 Jul;85(7):55–62 (Eng. Abstr.) **(Rus)**

[Hyperbaric oxygenation in the complex treatment of acute poisoning with organophosphate insecticides] Lukin-Butenko GA, et al. **Sov Med** 1984;(2):40–3 (Eng. Abstr.) **(Rus)**

[Histoenzymological and metabolic changes in the internal organs in poisoning by toxic organophosphorus chemicals] Bolkova NV, et al. **Sud Med Ekspert** 1984 Jan–Mar; 27(1):29–31 (Eng. Abstr.) **(Rus)**

[Reactive changes in the kidney epithelium in chlorophos poisoning] Chursin IG, et al. **Voen Med Zh** 1983 Nov; (11):24–7 **(Rus)**

[Respiratory muscle damage in acute poisoning with organophosphate insecticides] Zakurdaev VV. **Voen Med Zh** 1983 Aug;(8):41–4 **(Rus)**

THERAPEUTIC USE

Single-dose metrifonate for the treatment of Schistosoma haematobium infection in an endemic area of Zimbabwe. Mason PR, et al. **Am J Trop Med Hyg** 1984 Jul; 33(4):599–601

Critical test evaluations of oxfendazole and trichlorfon: effectiveness of a paste formulation in the horse. Presson BL, et al. **Am J Vet Res** 1984 Jun;45(6):1203–4

Clinical characteristics and response to therapy in Egyptian children infected with Schistosoma haematobium. Browning MD, et al. **J Infect Dis** 1984 Jun;149(6):998–1004

Metrifonate in the treatment of Schistosoma haematobium infection. Rajkumar S, et al. **NY State J Med** 1983 Oct–Nov;83(11–12):1155–7

[Trial control by metrifonate chemotherapy of Schistosoma haematobium in a dry savannah zone in Upper Volta] Sellin B, et al. **Med Trop (Mars)** 1983 Jul–Aug;43(4):355–60 (Eng. Abstr.) **(Fre)**

TOXICITY

An acute and subacute neurotoxicity assessment of trichlorfon. Slott V, et al. **Can J Physiol Pharmacol** 1984 May;62(5):513–8

Trichlorfon. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jan; 30:207–31

Delayed neuropathy after organophosphorus insecticide (Dipterex) poisoning: a clinical, electrophysiological and nerve biopsy study. Vasilescu C, et al. **J Neurol Neurosurg Psychiatry** 1984 May;47(5):543–8

TRICHLORMETHIAZIDE

PHARMACODYNAMICS

[The effect of spironolactone and trichlormethiazide on blood pressure, plasma dry weight and plasma potassium in the elderly hypertension] Nakada I, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):491–9 (Eng. Abstr.) **(Jpn)**

TRICHLOROACETIC ACID

Chemical peeling with trichloroacetic acid. Resnik SS. **J Dermatol Surg Oncol** 1984 Jul;10(7):549–50

ADMINISTRATION & DOSAGE

[Treatment of keratoacanthoma with trichloroacetic acid] Lańcucki J, et al. **Przegl Dermatol** 1982 Sep–Dec; 69(5–6):465–8 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Update on chemical peel. Farber GA, et al. **J Dermatol Surg Oncol** 1984 Jul;10(7):559–60

BLOOD

A procedure for determining plasmatic trichloroacetic acid in human subjects exposed to chlorinated solvents at environmental levels. Ziglio G, et al. **Arch Environ Contam Toxicol** 1984 Mar;13(2):129–34

[Experimental studies of trichloroethylene toxicity. II. Changes in trichloroethylene metabolites in blood serum and in urine during and after exposure to trichloroethylene] Hobara T, et al. **Nippon Eiseigaku Zasshi** 1983 Oct; 38(4):772–9 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

In vitro binding of acetic acid and its chlorinated derivatives by the soluble glutathione S-transferases from rat liver. Dierickx PJ. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):327–30

[Cytogenetic activity of the herbicide sodium trichloroacetate] Kurinnyĭ AI. **Tsitol Genet** 1984 Jul–Aug; 18(4):318–9 (Eng. Abstr.) **(Rus)**

TRICHLOROEPOXYPROPANE see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHANES see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHYLENE

Trichloroethylene: a plea [letter] Davidson JT. **Anaesthesia** 1984 May;39(5):501

Glue sniffing and cerebral infarction. Parker MJ, et al. **Arch Dis Child** 1984 Jul;59(7):675–7

ADMINISTRATION & DOSAGE

Systems modification in obstetric analgesia. Levack ID, et al. **Anaesthesia** 1984 Feb;39(2):183–5

Postoperative analgesia in hip surgery. A controlled comparison of epidural buprenorphine with intramuscular morphine. Murphy DF, et al. **Anaesthesia** 1984 Feb; 39(2):181–3

ADVERSE EFFECTS

Stevens-Johnson syndrome associated with occupational exposure to trichloroethylene. Phoon WH, et al. **Contact Dermatitis** 1984 May;10(5):270–6

Trichloroethylene occupational exposure: elements for better prevention. Barret L, et al. **Int Arch Occup Environ Health** 1984;53(4):283–9

[12 cases of pneumatosis cystoides intestinalis with the etiological implication of trichloroethylene] Yamaguchi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug; 80(8):1659 **(Jpn)**

ANALYSIS

Analysis of trace impurities in reagent and technical grade trichloroethylene[letter] Tsuruta H, et al. **Ind Health** 1983; 21(4):293–5

[Determination of trichloroethylene and tetrachloroethylene in aerosol products by head space gas chromatography] Kojima S, et al. **Eisei Shikenjo Hokoku** 1983;(101):27–32 (Eng. Abstr.) **(Jpn)**

METABOLISM

Interactions of trichloroethylene with DNA in vitro and with RNA and DNA of various mouse tissues in vivo. Bergman K. **Arch Toxicol** 1983 Nov;54(3):181–93

Novel metabolites of trichloroethylene through dechlorination reactions in rats, mice and humans. Dekant W, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2021–7

New pathways of trichloroethylene metabolism. Dekant W, et al. **Dev Toxicol Environ Sci** 1983;11:399–402

Mechanisms of formation and reactions of electrophilic intermediates of halogenated olefins. Henschler D, et al. **Prog Clin Biol Res** 1983;132B:175–83

[Experimental studies of trichloroethylene toxicity. II. Changes in trichloroethylene metabolites in blood serum and in urine during and after exposure to trichloroethylene] Hobara T, et al. **Nippon Eiseigaku Zasshi** 1983 Oct; 38(4):772–9 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of trichloroethylene exposure on hearing. An investigation of cochlear microphonics and action potential of the guinea pig. Yamamura K, et al. **Eur J Applied Physiol** 1983;52(1):47–50

Some effects of trichloroethylene on mouse lungs and livers. Lewis GD, et al. **Gen Pharmacol** 1984;15(2):139–44

Chronic exposure to trichloroethylene: lipid and acyl group composition in gerbil cerebral cortex and hippocampus. Kyrklund T, et al. **Neurotoxicology (Park Forest II)** 1983 Winter;4(4):35–42

Vestibulo–oculomotor disturbances caused by industrial solvents. Odkvist L, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):537–9

Inhibition of delta-aminolevulinic acid dehydratase by trichloroethylene. Koizumi A, et al. **Toxicology** 1984 Mar; 30(2):93–102

[Interaction of solvent effects on the plasma membrane] Reinhardt K, et al. **Z Gesamte Inn Med** 1984 Feb 1; 39(3):48–51 (Eng. Abstr.) **(Ger)**

POISONING

[Trichlorethylene poisoning (letter)] Heesen H, et al. **Dtsch Med Wochenschr** 1983 Oct 21;108(42):1614–5 **(Ger)**

TOXICITY

Trichloroethylene: further studies of the effects on body and organ weights and plasma butyrylcholinesterase activity in mice. Kjellstrand P, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):375–84

Effects of continuous trichloroethylene inhalation on different strains of mice. Kjellstrand P, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Nov;53(5):369–74

Inhibition of delta-aminolevulinate dehydratase in trichloroethylene-exposed rats, and the effects on heme regulation. Fujita H, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):1–10

The effect of trichloroethylene and acrylonitrile on RNA and ribosome synthesis and ribosome content in Saccharomyces cells. Lochmann ER, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):162–6

Inhalation carcinogenicity of trichloroethylene in mice and rats. Fukuda K, et al. **Ind Health** 1983;21(4):243–54

Carcinogenicity study of trichloroethylene, with and without epoxide stabilizers, in mice. Henschler D, et al. **J Cancer Res Clin Oncol** 1984;107(3):149–56

Chronic effects of trichloroethylene upon S-100 protein content and lipid composition in gerbil cerebellum. Kyrklund T, et al. **Scand J Work Environ Health** 1984 Apr; 10(2):89–93

The effects of low dosages of trichloroethylene on chick development. Bross G, et al. **Toxicology** 1983 Nov; 28(4):283–94

Effects of oral exposure to trichloroethylene on female reproductive function. Manson JM, et al. **Toxicology** 1984 Sep 14;32(3):229–42

Effects of trichloroethylene exposure on male reproductive function in rats. Zenick H, et al. **Toxicology** 1984 Jun; 31(3–4):237–50

2,4,5-TRICHLOROPHENOXYACETIC ACID

Correlates of self-reported and objectively determined exposure to Agent Orange. Korgeski GP, et al. **Am J Psychiatry** 1983 Nov;140(11):1443–9

ADVERSE EFFECTS

Agent Orange. Update. Tedeschi LG. **Am J Forensic Med Pathol** 1983 Dec;4(4):319–21 (13 ref.)

Vietnam and birth defects [editorial] Dan BB. **JAMA** 1984 Aug 17;252(7):936–7

Vietnam veterans' risks for fathering babies with birth defects. Erickson JD, et al. **JAMA** 1984 Aug 17; 252(7):903–12

Military looks toward 1985 in ongoing defoliant study [news] Gunby P. **JAMA** 1984 Apr 27;251(16):2067–8

Human health effects of 2,4,5-T and its toxic contaminants. Suskind RR, et al. **JAMA** 1984 May 11;251(18):2372–80

Does Agent Orange cause birth defects? Friedman JM. **Teratology** 1984 Apr;29(2):193–221 (105 ref.)

ANALOGS & DERIVATIVES

In vivo effects of 3-methylcholanthrene, phenobarbital, pyrethrum and 2,4,5-T isooctylester on liver, lung and kidney microsomal mixed-function oxidase system of guinea-pig: a comparative study. Işcan M, et al. **Comp Biochem Physiol [C]** 1984;77(1):177–90

Analysis of sugar for tetrachlorodibenzo-p-dioxin. Weerasinghe NC, et al. **J Agric Food Chem** 1983 Nov–Dec; 31(6):1377–8

Testing of 2,4,5-T-amino acid conjugates for mutagenic activity in Salmonella typhimurium strains. Rashid KA, et al. **Mutat Res** 1984 Jun;136(3):217–21

METABOLISM

Regulation of 2,4,5-trichlorophenoxyacetic acid and chlorophenol metabolism in Pseudomonas cepacia AC1100. Karns JS, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1182–6

Microbial biodegradation of 2,4,5-trichlorophenoxyacetic acid and chlorophenols. Karns JS, et al. **Basic Life Sci** 1984; 28:3–21

PHARMACODYNAMICS

Embryotoxic and teratogenic effects of phenoxy herbicides. Duffard R, et al. **Acta Physiol Lat Am** 1981;31(1):35–8

Effects of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid on peroxisomal enzymes in rat liver. Kawashima Y, et al. **Biochem Pharmacol** 1984 Jan 15;33(2):241–5

POISONING

Dioxin and Agent Orange. Calesnick B. **Am Fam Physician** 1984 Mar;29(3):303–5

Agent Orange: veterans' case come to court [news] David P. **Nature** 1984 May 3–9;309(5963):5

TOXICITY

Health status of workers with past exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin in the manufacture of 2,4,5-trichlorophenoxyacetic acid: comparison of findings with and without chloracne. Moses M, et al. **Am J Ind Med** 1984;5(3):161–82

Ca2+ ATPase inhibition in trout gill microsomes following in vitro and in vivo treatments with 2,4,5,T. Thébault MT, et al. **Comp Biochem Physiol [C]** 1983;75(2):369–72

Agent Orange: Australian study continues [news] Sellar J. **Nature** 1984 Aug 16–22;310(5978):534

Agent Orange study is like a chameleon. Fox JL. **Science** 1984 Mar 16;223(4641):1156–7

Mutagenicity testing of agent orange components and related chemicals. Mortelmans K, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):137–46

Differential activation and inhibition of different forms of rat liver glutathione S-transferase by the herbicides 2,4-dichlorophenoxyacetate (2,4-D) and 2,4,5-trichlorophenoxyacetate (2,4,5-T). Vessey DA, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):492–9

[Hepatotoxicity of 2,4,5-trichlorophenoxyacetic acid. Cytologic and biochemical study in quail embryos] Didier R. **C R Soc Biol (Paris)** 1983;177(3):204–12 (Eng. Abstr.) **(Fre)**

TRICHOBEZOARS see **BEZOARS**

TRICHOCEPHALIASIS see **TRICHURIASIS**

TRICHOCEPHALUS see **TRICHURIS**

TRICHODERMA see under **MONILIALES**

TRICHODERMIN see under **SESQUITERPENES**

TRICHOMONAS

DRUG EFFECTS

The mode of action of a novel 18-membered macrolide, virustomycin A (AM-2604 A), on Trichomonas foetus. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1755–61

[Effect of different cytostatic agents and antibiotics on the biology of Trichomonas in vitro] Szarmach H, et al. **Z Hautkr** 1983 Aug 15;58(16):1183–90 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Trichomonads in the respiratory tract. A case report and literature review. Osborne PT, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):136–8

PATHOGENICITY

Minimal infectious doses and prepatent periods in Giardia muris, Spironucleus muris and Tritrichomonas muris. Stachan R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):249–56

TRICHOMONAS INFECTIONS

Can Trichomonas vaginalis cause pneumonia in newborn babies? Hiemstra I, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):355–6

Trichomoniasis. Scientific papers of the Symposium on Trichomoniasis, Basle, October 20, 1981. **Gynakol Rundsch** 1983;23 Suppl 2:1–91

Proceedings of the International Symposium on Trichomonadosis. Bialystok, 13–15 July 1981. **Wiad Parazytol** 1983;29(1–2):1–214

COMPLICATIONS

Bacterial and fungal growth in urinary trichomoniasis. El-Rifaie SA, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):397–402

DIAGNOSIS

Trichomonads in the respiratory tract. A case report and literature review. Osborne PT, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):136–8

DRUG THERAPY

Trichomoniasis. Scientific papers of the Symposium on Trichomoniasis, Basle, October 20, 1981. **Gynakol Rundsch** 1983;23 Suppl 2:1–91

Conventional therapy of trichomoniasis. Richter R. **Gynakol Rundsch** 1983;23 Suppl 2:23–6

Nitroimidazoles in the treatment of trichomoniasis, giardiasis, and amebiasis. Rossignol JF, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Feb;22(2):63–72

Treatment of trichomonal enteritis by Chinese medicinal herbs. Report of 16 cases. Yao ZH. **J Tradit Chin Med** 1981 Sep;1(1):63–4

[Clinical analysis of 253 cases of intestinal trichomoniasis] Zhang C. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):73 **(Chi)**

[Treatment of vulvovaginitis in children and adolescents with metronidazole] Scharp H, et al. **Zentralbl Gynakol** 1984; 106(6):374–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Epidemiology and symptomatology of trichomoniasis. Rüttgers H. **Gynakol Rundsch** 1983;23 Suppl 2:3–9

Observations of Trichomonas vaginalis infections at the University Teaching Hospital in Calabar, Nigeria. Umeche N, et al. **Tropenmed Parasitol** 1984 Jun;35(2):131–2

TRANSMISSION

Trichomoniasis: mechanism of infection, recurrences and reinfections in man. Bedoya JM. **Gynakol Rundsch** 1983; 23 Suppl 2:10–5

Minimal infectious doses and prepatent periods in Giardia muris, Spironucleus muris and Tritrichomonas muris. Stachan R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Dec;256(2):249–56

VETERINARY

Immunisation of bulls against trichomoniasis. Clark BL, et al. **Aust Vet J** 1983 Jun;60(6):178–9

Trichomoniasis of the crop in a cockatiel. Murtaugh RJ, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):441–2

Invasive trichomoniasis in a Callicebus moloch. Bunton TE, et al. **Vet Pathol** 1983 Jul;20(4):491–4

TRICHOMONAS VAGINALIS

Viability of Trichomonas vaginalis in vitro at four temperatures. Smith RF. **J Clin Microbiol** 1983 Oct; 18(4):834–6

Proceedings of the International Symposium on Trichomonadosis. Bialystok, 13–15 July 1981. **Wiad Parazytol** 1983;29(1–2):1–214

CYTOLOGY

Unusual and giant forms of trichomonas vaginalis [letter] Buckner SB, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct; 27(5):549–50

DRUG EFFECTS

Susceptibility of Trichomonas vaginalis strains to metronidazole: response to treatment. Ralph ED, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):119–22

[Changes in Trichomonas vaginalis sensitivity to metronidazole] Schpitzbart H. **Akush Ginekol (Sofiia)** 1983; 22(3):205–7 (Eng. Abstr.) **(Bul)**

ENZYMOLOGY

Purine salvage enzymes in Leishmania donovani and Trichomonas vaginalis. Krenitsky TA, et al. **Adv Exp Med Biol** 1984;165 Pt A:215–8

IMMUNOLOGY

Enzyme linked immunosorbent assay for detecting antibody to Trichomonas vaginalis: use of whole cells and aqueous extract as antigen. Alderete JF. **Br J Vener Dis** 1984 Jun; 60(3):164–70

Specific and common antigens of Trichomonas vaginalis detected by monoclonal antibodies. Torian BE, et al. **Infect Immun** 1984 Jan;43(1):270–5

[Assay of IgA specific anti-Trichomonas vaginalis in vaginal secretions by indirect immunofluorescence] Martinotti MG, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun; 75(1–6):189–95 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Observations of Trichomonas vaginalis infections at the University Teaching Hospital in Calabar, Nigeria. Umeche N, et al. **Tropenmed Parasitol** 1984 Jun;35(2):131–2

METABOLISM

Metabolism and metronidazole uptake in Trichomonas vaginalis isolates with different metronidazole susceptibilities. Müller M, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):667–73

Iron uptake and increased intracellular enzyme activity follow host lactoferrin binding by Trichomonas vaginalis receptors. Peterson KM, et al. **J Exp Med** 1984 Aug 1; 160(2):398–410

The pathway of arginine catabolism in the parasitic flagellate Trichomonas vaginalis. Linstead D, et al. **Mol Biochem Parasitol** 1983 Jul;8(3):241–52

Selective acquisition of plasma proteins by Trichomonas vaginalis and human lipoproteins as a growth requirement for this species. Peterson KM, et al. **Mol Biochem Parasitol** 1984 May;12(1):37–48

Salvage of pyrimidine nucleosides by Trichomonas vaginalis. Wang CC, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):171–84

Polyamines in Trichomonas vaginalis. White E, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):309–18

[Gas chromatographic studies on propionic acid, butyric acid and valeric acid in culture fluid of Trichomonas vaginalis] Ishiguro T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):363–8 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Pathogenic Trichomonas vaginalis cytotoxicity to cell culture monolayers. Alderete JF, et al. **Br J Vener Dis** 1984 Apr; 60(2):99–105

Pathogenicity of Trichomonas vaginalis: cytopathologic and histopathologic changes of the cervical epithelium. Honigberg BM, et al. **Obstet Gynecol** 1984 Aug; 64(2):179–84

Comparison of virulence of clones of two Trichomonas vaginalis strains by the subcutaneous mouse assay. Kuczyńska K, et al. **Z Parasitenkd** 1984;70(2):141–6

PHYSIOLOGY

Interaction between Trichomonas vaginalis and other pathogenic micro-organisms of the human genital tract. Street DA, et al. **Br J Vener Dis** 1984 Feb;60(1):31–8

ULTRASTRUCTURE

A freeze-fracture electron microscope study of Trichomonas vaginalis Donné and Tritrichomonas foetus (Riedmüller). Honigberg BM, et al. **J Protozool** 1984 Feb;31(1):116–31

[Diagnostic and epidemiologic significance of multinuclear and round forms of Trichomonas vaginalis] Szarmach H, et al. **Z Hautkr** 1983 Aug 15;58(16):1179–82 (Eng. Abstr.) **(Ger)**

[Comparative studies on Trichomonas vaginalis in the scanning electron microscope] Kazanowska W, et al. **Probl Med Wieku Rozwoj** 1979;8:266–73 (Eng. Abstr.) **(Pol)**

TRICHOMONAS VAGINITIS

Proceedings of the International Symposium on Trichomonadosis. Bialystok, 13–15 July 1981. **Wiad Parazytol** 1983;29(1–2):1–214

DIAGNOSIS

Diagnostic problems. Jenny JW. **Gynakol Rundsch** 1983;23 Suppl 2:16–22

A convenient method for detecting Trichomonas vaginitis [letter] Kariks J. **Med J Aust** 1983 Nov 26;2(11):540

[Diagnostic and epidemiologic significance of multinuclear and round forms of Trichomonas vaginalis] Szarmach H, et al. **Z Hautkr** 1983 Aug 15;58(16):1179–82 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Local application of metronidazole in vaginal ovules for treatment of trichomoniasis [letter] Rivera y Almodóvar E. **Am J Obstet Gynecol** 1984 Aug 1;149(7):807

[Changes in vaginal biocenosis after administration of the preparation econazol nitrate] Valent M, et al. **Bratisl Lek Listy** 1983 Aug;80(2):203–7 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

IgA antibodies in the vaginal secretion after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:46–9

Serological study with SolcoTrichovac, a vaccine against Trichomonas vaginalis infection in women. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:39–45

METABOLISM

Amine content of vaginal fluid from patients with trichomoniasis and gardnerella associated non-specific vaginitis. Sanderson BE, et al. **Br J Vener Dis** 1983 Oct; 59(5):302–5

OCCURRENCE

Epidemiology and clinical diagnosis of Trichomonas vaginalis infection in Zimbabwe. Mason PR, et al. **Cent Afr J Med** 1983 Mar;29(3):53–6

Incidence of urogenital trichomoniasis among high risk Sudanese groups. Omer EE, et al. **East Afr Med J** 1984 Feb;61(2):140–4

Epidemiology and symptomatology of trichomoniasis. Rüttgers H. **Gynakol Rundsch** 1983;23 Suppl 2:3–9

Bacterial, fungal and parasitic flora in vaginitis. Solanki A, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):151–3

Trichomoniasis—incidence in pill users and associated pap smear abnormalities. Pillay B, et al. **Malays J Pathol** 1979 Aug;2:59–62

Trichomonal vaginitis in Nigerian women. Ogunbanjo BO, et al. **Trop Geogr Med** 1984 Mar;36(1):67–70

[Statistical evaluation and diagnostic consideration on trichomoniasis and candidiasis in vaginal pathology] Perini M, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):38–46 (Eng. Abstr.) **(Ita)**

[Incidence of trichomonas vaginitis among women in the Białystok region] Soszka S, et al. **Probl Med Wieku Rozwoj** 1979;8:262–5 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

[Comparative studies on Trichomonas vaginalis in the scanning electron microscope] Kazanowska W, et al. **Probl Med Wieku Rozwoj** 1979;8:266–73 (Eng. Abstr.) **(Pol)**

[Vaginal biocenosis in pregnant women] Rzempołuch J, et al. **Przegl Dermatol** 1983 Sep–Dec;70(5–6):497–501 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Unusual cytologic aspects of cervico-vaginal trichomoniasis. Study of cervico-vaginal smears stained by the Papanicolaou's method] Phat VN, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):143–9 (Eng. Abstr.) **(Fre)**

[Fluorescence diagnosis of Trichomonas colpitis and its frequency] Stojanov S, et al. **Zentralbl Gynakol** 1983; 105(18):1194–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

SolcoTrichovac in the prophylaxis of trichomonad reinfection. A randomized double-blind study. Litschgi M. **Gynakol Rundsch** 1983;23 Suppl 2:72–6

Vaccination with SolcoTrichovac. Immunological aspects of a new approach for therapy and prophylaxis of trichomoniasis in women. Pavić R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:27–38

[Duration of the preventive effect against trichomoniasis following vaccination with SolcoTrichovac] Grčić R, et al. **Gynakol Rundsch** 1983;23(3):191–6 **(Ger)**

[Prevention and epidemiology of trichomonal vaginitis in women treated in gynecological departments] Lotocki W,

et al. **Probl Med Wieku Rozwoj** 1979;8:274–8 (Eng. Abstr.) **(Pol)**

THERAPY

The therapeutic and prophylactic efficacy of SolcoTrichovac in women with trichomoniasis. Investigations in Cairo. Elokda HH, et al. **Gynakol Rundsch** 1983;23 Suppl 2:85–8

Effects of vaccination with SolcoTrichovac on the vaginal flora and the morphology of the Doederlein bacilli. Goisis M, et al. **Gynakol Rundsch** 1983;23 Suppl 2:56–63

Clinical experience using SolcoTrichovac in the treatment of trichomonas infections in women. Lorenz U, et al. **Gynakol Rundsch** 1983;23 Suppl 2:64–71

Changes in the vaginal flora of trichomoniasis patients after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:50–5

SolcoTrichovac in medical practice. An open, multicentre study to investigate the antitrichomonal vaccine SolcoTrichovac. Rippmann ET. **Gynakol Rundsch** 1983;23 Suppl 2:77–84

TRANSMISSION

Trichomoniasis: mechanism of infection, recurrences and reinfections in man. Bedoya JM. **Gynakol Rundsch** 1983; 23 Suppl 2:10–5

TRICHOPHYTIN

IMMUNOLOGY

Human epidermal Langerhans cells induce cellular immune response to trichophytin in dermatophytosis. Braathen LR, et al. **Br J Dermatol** 1983 Sep;109(3):295–300

TRICHOPHYTON

ANALYSIS

Effect of undecanoic acid on lipid composition of Trichophyton rubrum. Das SK, et al. **Mycopathologia** 1983; 83(1):35–9

Studies in the differentiation between Microsporum ferrugineum Ota and Trichophyton soudanense Joyeux. Weitzman I, et al. **Mycopathologia** 1984 Feb 15; 84(2–3):95–101

CYTOLOGY

Spore differentiation in a clinical strain of Trichophyton mentagrophytes. Wright LR, et al. **Microbios** 1984; 39(156):87–93

DRUG EFFECTS

The effect of bifonazole on the structure of Trichophyton. Osumi M, et al. **Arzneimittelforsch** 1983;33(10):1484–91

Antimycotic activity of some amino acids against dermatophytes. Pandey DK, et al. **Arzneimittelforsch** 1984; 34(5):554–6

Scanning electron microscopic study of the effects of tolciclate & clotrimazole on Trichophyton rubrum. Jacob Z, et al. **Indian J Med Res** 1983 Oct;78:518–23

The effect of imidazoles on germination of arthrospores and microconidia of Trichophyton mentagrophytes. Scott EM, et al. **J Antimicrob Chemother** 1984 Feb;13(2):101–10

The sensitivity of mycelium, arthrospores and microconidia of Trichophyton mentagrophytes to imidazoles determined by in-vitro tests. Wright LR, et al. **J Antimicrob Chemother** 1983 Oct;12(4):317–27

Autophagic vacuole development in Trichophyton mentagrophytes exposed in vitro to miconazole. Masperi P, et al. **Sabouraudia** 1984;22(1):27–35

ENZYMOLOGY

Enzymic activities of Trichophyton rubrum and the chemotaxis of polymorphonuclear leucocytes. Davies RR, et al. **Sabouraudia** 1984;22(3):235–41

IMMUNOLOGY

Chronic dermatophyte infection: evaluation of the Ig class-specific antibody response reactive with polysaccharide and peptide antigens derived from Trichophyton mentagrophytes. Honbo S, et al. **J Invest Dermatol** 1984 Mar;82(3):287–90

ISOLATION & PURIFICATION

Recognition of Trichophyton equinum var. equinum infection of horses. Connole MD, et al. **Aust Vet J** 1984 Mar;61(3):94

Lupus erythematosus like tinea capitis caused by Trichophyton tonsurans. Kamalam A, et al. **Mykosen** 1984 Jun;27(6):316–8

Rapid method for the identification of Trichophyton verrucosum. Lamport A, et al. **Vet Rec** 1984 Apr 21; 114(16):402–3

[Tinea capitis caused by Trichophyton tonsurans] Bai YJ. **Chung Hua I Hsueh Tsa Chih** 1983 Sep;63(9):564–6 **(Chi)**

METABOLISM

Antirespiratory activity of Vinca rosea extract against human pathogenic strains of Trichophyton rubrum Sab. Chile SK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):33–7

PHYSIOLOGY

Influence of animal hibernation on the development of mycoses. Sharapov VM. **Mycopathologia** 1984 Feb 15; 84(2–3):77–80

Trichophyton rubrum and the chemotaxis of polymorphonuclear leucocytes. Davies RR, et al. **Sabouraudia** 1984;22(1):65–71

ULTRASTRUCTURE

An ultrastructural study of pale eumycetoma grains. Hay RJ, et al. **Sabouraudia** 1983 Dec;21(4):261–9

TRICHOPHYTOSIS see **TINEA**

TRICHOSTRONGYLOIDEA

On the possible role of birds as transport hosts of 3rd-stage trichostrongyle larvae. Preliminary results. Grønvold J. **Acta Vet Scand** 1984;25(1):143–4

Leukokinesis in bovine ostertagiasis: stimulation of leukocyte migration by Ostertagia. Washburn SM, et al. **Am J Vet Res** 1984 Jun;45(6):1095–8

Comparison of saline incubation and pepsin digestion as methods for recovering Ostertagia circumcincta larvae from the abomasum of sheep. Jackson E, et al. **Res Vet Sci** 1984 May;36(3):380–1

[Macro-Baermann—a method for parasitological examination of herbage samples] Henriksen SA. **Nord Vet Med** 1982 Mar;34(3):101–2 (Eng. Abstr.) **(Dan)**

ANALYSIS

Partial biochemical and serological characterization of exsheathing fluid and somatic extracts of infective larvae and adult females of Haemonchus contortus. Clarke MW, et al. **Can J Comp Med** 1984 Apr;48(2):166–70

ANATOMY & HISTOLOGY

Morphology and histochemistry of the spicules and gubernaculum of Haemonchus contortus (Nematoda: Trichostrongylidae). Sood ML, et al. **Folia Parasitol (Praha)** 1983;30(3):249–55

Parocooperia devossin. sp. (Nematoda: Trichostrongylidae) from the bushbuck, Tragelaphus scriptus (Pallas, 1766). Boomker J, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):21–4

Haemonchus contortus from the vaal ribbok, Pelea capreolus, and the bontebok, Damaliscus dorcas dorcas, in the Bontebok National Park. Boomker J, et al. **Onderstepoort J Vet Res** 1983 Sep;50(3):179–81

CLASSIFICATION

Nematoda: Trichostrongyloidea parasites of Venezuelan wild mammals. III. The genus Vexillata Travassos, 1937. Guerrero R. **Ann Parasitol Hum Comp** 1984;59(3):253–61

[Generic divisions of the Ostertagiinae nematodes] Durette-Desset MC. **Ann Parasitol Hum Comp** 1982; 57(4):375–81 (Eng. Abstr.) **(Fre)**

[Generic divisions of Cooperiinae nematodes (Trichostrongylidae)] Durette-Desset MC. **Ann Parasitol Hum Comp** 1982;57(4):383–7 (Eng. Abstr.) **(Fre)**

[Nematode parasites of rodents in Malaysia. II. Trichostrongyloidea] Ow Yang CK, et al. **Ann Parasitol Hum Comp** 1983;58(5):467–92 (Eng. Abstr.) **(Fre)**

[On the genus Nematodirus Ransom 1907 (Nematoda: Trichostrongyloidea)] Rossi P. **Ann Parasitol Hum Comp** 1983;58(6):557–81 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Haemonchus contortus: the in vitro effects of anthelmintics on total glucose and glycogen contents, and total volatile fatty acids. Kaur R, et al. **Acta Vet Acad Sci Hung** 1982; 30(4):265–9

The association between frequency of thiabendazole treatment and the development of resistance in field isolates of Ostertagia spp. of sheep. Martin PJ, et al. **Int J Parasitol** 1984 Apr;14(2):177–81

Uptake of thiabendazole and its effects on glucose uptake and carbohydrate levels in the thiabendazole-resistant and susceptible Trichostrongylus colubriformis. Sangster NC, et al. **Int J Parasitol** 1984 Apr;14(2):121–6

Further studies of the effect of selection with levamisole on a benzimidazole resistant population of Ostertagia spp. of sheep. Waller PJ, et al. **Int J Parasitol** 1983 Oct;13(5):463–8

The relevance of in vitro anthelmintic screening tests employing the free-living stages of trichostrongylid nematodes. Ibarra OF, et al. **J Helminthol** 1984 Jun; 58(2):107–12

Effect of cimetidine on abomasal pH and Haemonchus and Ostertagia species in sheep. Hall CA, et al. **Res Vet Sci** 1984 May;36(3):316–9

Stimulatory effects of prostaglandin F2 alpha on faecal egg production in Haemonchus contortus infected sheep. Honde C, et al. **Res Vet Sci** 1983 Nov;35(3):291–4

In vitro activity of various anthelmintic compounds against Haemonchus contortus larvae. Boisvenue RJ, et al. **Vet Parasitol** 1983 Nov;13(4):341–7

Nematospiroides dubius: response of the late fourth-stage larva to anthelmintics in vitro. Jenkins DC, et al. **Z Parasitenkd** 1984;70(3):395–402

ENZYMOLOGY

Glutathione-S-transferase, a possible drug-metabolizing enzyme, in Haemonchus contortus: comparative activity of a cambendazole-resistant and a susceptible strain. Kawalek JC, et al. **Int J Parasitol** 1984 Apr;14(2):173–5

The effects of DL-tetramisole and rafoxanide on tricarboxylic acid cycle enzymes of Haemonchus contortus, in vitro. Kaur R, et al. **Vet Parasitol** 1983 Nov;13(4):333–40

[Acetylcholinesterase activity in metabolites and tissue extracts of Ostertagia circumcincta in various developmental stages] Wędrychowicz H. **Wiad Parazytol** 1983;29(3):297–308 (Eng. Abstr.) **(Pol)**

GROWTH & DEVELOPMENT

A new method for culture of larvae used in diagnosis of ruminant gastrointestinal strongylosis: comparison with fecal cultures. Hubert J, et al. **Can J Comp Med** 1984 Jan; 48(1):63–71

Morphogenesis of Trichostrongylus rugatus and distribution during development in sheep. Beveridge I, et al. **Vet Parasitol** 1983 Aug;13(1):55–65

IMMUNOLOGY

Lymphocyte reactivity to Ostertagia ostertagi L3 antigen in type I ostertagiasis. Klesius PH, et al. **Am J Vet Res** 1984 Feb;45(2):230–3

Analysis of the mechanism of immunodepression following heterologous antigenic stimulation during concurrent infection with Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Apr;51(4):633–42

Observations on the self-cure reaction and other forms of immunological responsiveness against Haemonchus contortus in sheep. Adams DB. **Int J Parasitol** 1983 Dec; 13(6):571–8

The response of lambs to vaccination and challenge with Trichostrongylus colubriformis: effect of plane of nutrition on, and the inter-relationship between, immunological responsiveness and resistance. Wagland BM, et al. **Int J Parasitol** 1984 Feb;14(1):39–44

The role of thresholds in the response of lambs to vaccination with irradiated Trichostrongylus colubriformis larvae. Windon RG, et al. **Int J Parasitol** 1984 Aug;14(4):423–8

Use of coproantibody measurement to assess the influence of diet on local immune responses of sheep vaccinated against Haemonchus contortus. Wedrychowicz H, et al. **Res Vet Sci** 1984 Mar;36(2):240–6

Serum and abomasal antibody response of sheep to infections with Haemonchus contortus. Charley-Poulain J, et al. **Vet Parasitol** 1984 Mar;14(2):129–41

The effects of transfer factor, parasitic antigen and precipitated immunoglobulin treatments in lambs infected with Haemonchus contortus. Hunter AR, et al. **Vet Parasitol** 1983 Aug;13(1):45–53

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Modulation of responsiveness by exposure to soluble larval antigen. Monsell GM, et al. **Z Parasitenkd** 1984;70(2):211–8

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Effect of infection in the ewe on the subsequent responsiveness of lambs. Shubber AH, et al. **Z Parasitenkd** 1984;70(2):219–28

Clinical and blood chemical effects of crude and purified ostertagia acetylcholinesterase in cattle and sheep. Axelsson S, et al. **Zentralbl Veterinarmed [A]** 1983 Aug;30(7):485–97

ISOLATION & PURIFICATION

Isolation of infective Cooperia larvae from soil samples. Grønvold J. **Acta Vet Scand** 1984;25(1):139–42

[Parasitological study in lettuce and beets in the city of Valdivia, Chile] Franjola R, et al. **Rev Med Chil** 1984 Jan; 112(1):57–60 (Eng. Abstr.) **(Spa)**

METABOLISM

Nematoda: aerobic respiratory pathways of adult parasitic species. Fry M, et al. **Exp Parasitol** 1984 Feb;57(1):86–92

Australian Society for Parasitology Presidential Address. Intraspecies variations of energy metabolism in parasitic helminths. Bryant C. **Int J Parasitol** 1983 Aug;13(4):327–32

Respiratory metabolism and thiabendazole susceptibility in developing eggs of Haemonchus contortus. Weston KM, et al. **Int J Parasitol** 1984 Apr;14(2):159–64

Energy metabolism of adult Haemonchus contortus in vitro: a comparison of benzimidazole-susceptible and -resistant strains. Bennet EM, et al. **Mol Biochem Parasitol** 1984 Mar; 10(3):335–46

Haemonchus contortus: lipid biosynthesis from C14-labelled acetate and glucose. Kapur J, et al. **Zentralbl Veterinarmed [B]** 1984 Apr;31(3):225–30

PATHOGENICITY

[Pathogenicity of Ostertagia leptospicularis for cattle and sheep] Büel ES, et al. **Zentralbl Veterinarmed [B]** 1984 Apr; 31(3):189–202 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Rhythmic egg release by Heligmosomoides polygyrus (= Nematospiroides dubius), parasitic Trichostrongylida of the murine gut. Kerboeuf D, et al. **Chronobiologia** 1983 Jul–Sep;10(3):255–67

Nematodirus battus: permeability changes, calcium binding, and phosphorylation of the eggshell during hatching. Ash C, et al. **Exp Parasitol** 1984 Aug;58(1):27–40

Pre–mating barriers to species hybridization in Haemonchus. Le Jambre LF. **Int J Parasitol** 1983 Aug;13(4):365–70

Pre–mating barriers in hybrid Haemonchus. Le Jambre LF. **Int J Parasitol** 1983 Aug;13(4):371–5

Site selection by Heligmosomoides polygyrus (Nematoda): effects of surgical alteration of the gastrointestinal tract. Sukhdeo MV, et al. **Int J Parasitol** 1983 Aug;13(4):355–8

Observations on the bionomics of the free–living stages of Trichostrongylus vitrinus. Rose JH, et al. **J Helminthol** 1984 Mar;58(1):49–58

Radiolabeling of infective larvae of Haemonchus contortus (Nematoda: Trichostrongyloidea) with 75Se–methionine and their performance as tracers in sheep. Georgi JR, et al. **J Parasitol** 1983 Oct;69(5):875–82

Studies on Haemonchus contortus. XII. Effect of Trichostrongylus axei in Dorper lambs on natural pasture lightly infested with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar;51(1):81–8

Studies on Haemonchus contortus. IX. The effect of Trichostrongylus axei in Merinos on natural pasture. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):25–31

Studies on Haemonchus contortus. X. The effect of Trichostrongylus axei in Merinos on artificial pastures. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):33–9

Studies on Haemonchus contortus. XI. The effect of a bovine strain of Trichostrongylus axei in Merinos on natural pastures heavily infested with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar;51(1):71–9

Further observations on faecal egg output in lambs dosed continuously with Ostertagia circumcincta. Jackson F, et al. **Res Vet Sci** 1984 May;36(3):375–7

Survival of infective larvae of nematode parasites of cattle during drought. Barger IA, et al. **Vet Parasitol** 1984 Mar; 14(2):143–52

The trichostrongylid egg output during spring in feedlot cattle. Schillhorn van Veen TW, et al. **Vet Parasitol** 1984 Mar;14(2):159–63

[Cross fertilization of Teladorsagia trifurcata with T. circumcincta] Cabaret J, et al. **Ann Parasitol Hum Comp** 1984;59(1):111 **(Fre)**

[Characteristics of Ostertagia sp. populations in naturally infested sheep in the region of Moulay–Bouazza (Morocco)] Cabaret J. **Ann Parasitol Hum Comp** 1983; 58(4):377–82 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Protofilament number in microtubules in cells of two parasitic nematodes. Davis C, et al. **J Parasitol** 1983 Dec; 69(6):1094–9

Endotube–brush border complexes dissected from the intestines of Haemonchus contortus and Ancylostoma caninum. Munn EA, et al. **Parasitology** 1983 Aug;87 (Pt 1):129–37

TRICHOSTRONGYLOIDIASIS

BLOOD

Experimental infection of Nematospiroides dubius in Swiss albino mice. IX. Effect of dose break up on the serum protein patterns. Gupta CS, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):289–93

IMMUNOLOGY

Vaccination of genetically susceptible mice against chronic infection with Nematospiroides dubius using pertussigen as adjuvant. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):425–34

Analysis of the mechanism of immunodepression following heterologous antigenic stimulation during concurrent infection with Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Apr;51(4):633–42

Primary infection sera and IgG1 do not block host–protective immunity to Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Jan;51(1):73–81

Intestinal mast cell changes in guinea pigs infected with the nematode Trichostrongylus colubriformis. Handlinger JH, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):165–71

OCCURRENCE

Human trichostrongyliasis in India [letter] Poirriez D, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):425–6

PARASITOLOGY

Site selection by Heligmosomoides polygyrus (Nematoda): effects of surgical alteration of the gastrointestinal tract. Sukhdeo MV, et al. **Int J Parasitol** 1983 Aug;13(4):355–8

Radiolabeling of infective larvae of Haemonchus contortus (Nematoda: Trichostrongyloidea) with 75Se–methionine and their performance as tracers in sheep. Georgi JR, et al. **J Parasitol** 1983 Oct;69(5):875–82

PATHOLOGY

The isolation and characterization of globule leucocytes: their derivation from mucosal mast cells in parasitized sheep. Huntley JF, et al. **Parasite Immunol** 1984 Jul;6(4):371–90

PREVENTION & CONTROL

[Methods and results of the medico–helmintologic study of the environment] Chobanov RE, et al. **Gig Sanit** 1983 Sep; (9):61–2 **(Rus)**

VETERINARY

Menetrier's disease. Pre–Type II and Type II ostertagiosis in cattle. Snider TG 3d, et al. **Am J Pathol** 1983 Dec; 113(3):410–2

Anthelmintic efficacy, safety, and residue evaluation of levamisole gel formulation in cattle. Berger H, et al. **Am J Vet Res** 1984 Jan;45(1):162–4

Experimentally induced Cooperia oncophora infection in calves: lymphocyte blastogenic and delayed hypersensitivity responses. Hanrahan LA, et al. **Am J Vet Res** 1984 May;45(5):855–62

Lymphocyte reactivity to Ostertagia ostertagi L3 antigen in type I ostertagiasis. Klesius PH, et al. **Am J Vet Res** 1984 Feb;45(2):230–3

Further tests of activity of levamisole on Ostertagia ostertagi in dairy calves with notes on overwinter survival of gastrointestinal helminths on pasture. Lyons ET, et al. **Am J Vet Res** 1983 Sep;44(9):1760–2

Interaction of dichlorvos–crotoxyphos insecticide with phenothiazine anthelmintic in sheep with or without Haemonchus and Trichostrongylus infections. Mohammad FK, et al. **Am J Vet Res** 1983 Oct;44(10):1949–53

Anthelmintic efficacy of avermectin B1a and dihydroavermectin B1a against ovine gastrointestinal nematodes in 1977. Todd KS Jr, et al. **Am J Vet Res** 1984 May;45(5):976–7

Leukokinesis in bovine ostertagiasis: stimulation of leukocyte migration by Ostertagia. Washburn SM, et al. **Am J Vet Res** 1984 Jun;45(6):1095–8

Investigation with dexamethasone of the processes which moderate immunity against the nematode, Haemonchus contortus, in sheep. Adams DB. **Aust J Exp Biol Med Sci** 1983 Jun;61 (Pt 3):345–53

Abomasal trichostrongylidiasis of dairy cattle grazing irrigated pastures. Overend D. **Aust Vet J** 1984 Apr; 61(4):124–6

A new method for culture of larvae used in diagnosis of ruminant gastrointestinal strongylosis: comparison with fecal cultures. Hubert J, et al. **Can J Comp Med** 1984 Jan; 48(1):63–71

Observations on the self–cure reaction and other forms of immunological responsiveness against Haemonchus contortus in sheep. Adams DB. **Int J Parasitol** 1983 Dec; 13(6):571–8

Population dynamics of Haemonchus contortus and Trichostrongylus spp. in sheep. Courtney CH, et al. **Int J Parasitol** 1983 Dec;13(6):557–60

Pre–mating barriers in hybrid Haemonchus. Le Jambre LF. **Int J Parasitol** 1983 Aug;13(4):371–5

Pre–mating barriers to species hybridization in Haemonchus. Le Jambre LF. **Int J Parasitol** 1983 Aug;13(4):365–70

The effect of Haemonchus contortus infection on the pregnant and lactating ewe. Thomas RJ, et al. **Int J Parasitol** 1983 Aug;13(4):393–8

The response of lambs to vaccination and challenge with Trichostrongylus colubriformis: effect of plane of nutrition on, and the inter–relationship between, immunological responsiveness and resistance. Wagland BM, et al. **Int J Parasitol** 1984 Feb;14(1):39–44

Chronic infections with Trichostrongylus colubriformis in lambs: influence of anthelmintic treatment on intestinal morphology and mucosal cell populations. Angus KW, et al. **J Comp Pathol** 1984 Jul;94(3):433–43

The prevalence and pathogenesis of naturally–occurring Haemonchus longistipes infection in Sudanese camels. Arzoun IH, et al. **J Comp Pathol** 1984 Apr;94(2):169–74

The pathogenesis of experimental Haemonchus longistipes infection in goats. Arzoun IH, et al. **J Comp Pathol** 1983 Oct;93(4):619–28

Distribution of plasma alkaline phosphatase and its isoenzymes in normal and chronically parasitized lambs. Jones DG, et al. **J Comp Pathol** 1984 Jul;94(3):463–6

Plasma zinc and inappetence in sheep infected with Trichostrongylus colubriformis. Symons LE. **J Comp Pathol** 1983 Oct;93(4):547–50

Persistent anthelmintic effect of ivermectin in cattle. Swan GE, et al. **J S Afr Vet Assoc** 1983 Dec;54(4):249–50

Studies on Haemonchus contortus. XI. The effect of a bovine strain of Trichostrongylus axei in Merinos on natural pastures heavily infested with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar;51(1):71–9

Studies on Haemonchus contortus. X. The effect of Trichostrongylus axei in Merinos on artificial pastures. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):33–9

Studies on Haemonchus contortus. IX. The effect of Trichostrongylus axei in Merinos on natural pasture. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar; 51(1):25–31

Studies on Haemonchus contortus. XII. Effect of Trichostrongylus axei in Dorper lambs on natural pasture lightly infested with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1984 Mar;51(1):81–8

Experimental concurrent infection of cattle with Ostertagia ostertagi and Salmonella dublin. Aitken MM, et al. **Res Vet Sci** 1984 May;36(3):378–9

Erythrocyte potassium concentration: a simple parameter for erythropoiesis in sheep infected with Haemonchus contortus. Albers GA, et al. **Res Vet Sci** 1983 Nov; 35(3):273–6

Effect of anthelmintic treatment on the productivity of lambs infected with the intestinal nematode, Trichostrongylus colubriformis. Coop RL, et al. **Res Vet Sci** 1984 Jan; 36(1):71–5

Effect of phosphorus intake on growth rate, food intake and quality of the skeleton of growing lambs infected with the intestinal nematode Trichostrongylus vitrinus. Coop RL, et al. **Res Vet Sci** 1983 Sep;35(2):175–81

Stimulatory effects of prostaglandin F2 alpha on faecal egg production in Haemonchus contortus infected sheep. Honde C, et al. **Res Vet Sci** 1983 Nov;35(3):291–4

Further observations on faecal egg output in lambs dosed continuously with Ostertagia circumcincta. Jackson F, et al. **Res Vet Sci** 1984 May;36(3):375–7

Immune exclusion, a mechanism of protection against the ovine nematode Haemonchus contortus. Miller HR, et al. **Res Vet Sci** 1983 Nov;35(3):357–63

Haemonchosis in a winter rainfall area in Libya. Pullan NB, et al. **Trop Anim Health Prod** 1983 Nov;15(4):237–8

The pathogenesis of experimental Haemonchus longistipes infection in camels. Arzoun IH, et al. **Vet Parasitol** 1984 Jan;14(1):43–53

Development of villus atrophy in the small intestine of sheep infected with Trichostrongylus rugatus. Barker IK, et al. **Vet Parasitol** 1983 Aug;13(1):67–75

Morphogenesis of Trichostrongylus rugatus and distribution during development in sheep. Beveridge I, et al. **Vet Parasitol** 1983 Aug;13(1):55–65

Serum and abomasal antibody response of sheep to infections with Haemonchus contortus. Charley–Poulain J, et al. **Vet Parasitol** 1984 Mar;14(2):129–41

The effects of transfer factor, parasitic antigen and precipitated immunoglobulin treatments in lambs infected with Haemonchus contortus. Hunter AR, et al. **Vet Parasitol** 1983 Aug;13(1):45–53

Comparison of oral and intraruminal administration of oxfendazole against Ostertagia ostertagi and Cooperia oncophora. Bairden K, et al. **Vet Rec** 1983 Nov 5; 113(19):448–9

Type 2 ostertagiasis in milking dairy heifers. Petrie L, et al. **Vet Rec** 1984 Feb 18;114(7):168–70

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Modulation of responsiveness by exposure to soluble larval antigen. Monsell GM, et al. **Z Parasitenkd** 1984;70(2):211–8

Immunological unresponsiveness of lambs to infection with Haemonchus contortus. Effect of infection in the ewe on the subsequent responsiveness of lambs. Shubber AH, et al. **Z Parasitenkd** 1984;70(2):219–28

[Two cases of Ostertagia spp. in sheep showing resistance to benzimidazole anthelmintics] Van Schalkwyk PC, et al. **J S Afr Vet Assoc** 1983 Jun;54(2):93–8 (Eng. Abstr.) **(Afr)**

[Efficacy of albendazole as a pellet formulation against Ostertagia ostertagi and Cooperia oncophora in experimentally infected calves] Bauer C, et al. **DTW** 1984 Mar 8;91(3):96–8 (Eng. Abstr.) **(Ger)**

[Endoparasite infections in wild and bred Polish horse] Romaniuk K, et al. **Wiad Parazytol** 1983;29(3):325–33 (Eng. Abstr.) **(Pol)**

TRICHOSTRONGYLOSIS see under **TRICHOSTRONGYLOIDIASIS**

TRICHOTHECENES see under **SESQUITERPENES**

TRICHOTILLOMANIA see under **OBSESSIVE–COMPULSIVE DISORDER**

TRICHURIASIS

COMPLICATIONS

Colonic obstruction and perforation due to Trichuris trichiura. Fishman JA, et al. **Am J Med** 1984 Jul;77(1):154–6

The adverse consequences of heavy Trichuris infection. Gilman RH, et al. **Trans R Soc Trop Med Hyg** 1983; 77(4):432–8

[Trichuriasis and pleural eosinophilic exudate] Trejbal E, et al. **Vnitr Lek** 1984 Jun;30(6):579–85 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Albendazole, an effective single dose, broad spectrum anthelmintic drug. Ramalingam S, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):984–9

Anthelmintic activity of ivermectin in pigs naturally infected with Ascaris and Trichuris. Schillhorn van Veen TW, et al. **Am J Vet Res** 1983 Sep;44(9):1732–3

Benzimidazoles in the treatment of trichuriasis: a review. Rossignol JF, et al. **Ann Trop Med Parasitol** 1984 Apr; 78(2):135–44 (48 ref.)

Incidence of helminthic infections and comparative study of pyrantel pamoate with levamisole and mebendazole in hospital patients at Barisal, Bangladesh. Islam AF, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):29–36

The anthelmintic effects of flubendazole on Trichuris trichiura and Ascaris lumbricoides. Kan SP. **Trans R Soc Trop Med Hyg** 1983;77(5):668–70

[Clinical observations on the use of domestic oxantel pamoate in the treatment of trichuriasis] **Chung Hua I Hsueh Tsa Chih** 1983 Apr;63(4):235–7 (Eng. Abstr.) (Chi)

[Observation on the whipworm–expulsive effects of oxantel and its combinations with pyrantel pamoate and mebendazol] Sun R. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):506–8 (Chi)

[Treatment of ancylostomiasis, ascaridiasis and trichocephaliasis with albendazole or mebendazole] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec; 25(6):294–9 (Eng. Abstr.) (Por)

[Treatment of ascaridiasis and trichocephaliasis with small single doses of 200mg or 300mg of mebendazole] Amato Neto V, et al. **Rev Paul Med** 1984 Jan–Feb;102(1):31–3 (Eng. Abstr.) (Por)

[Current treatment methods in trichocephaliasis and their effective use] Abulazizov AI. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):60–3 (Eng. Abstr.) (Rus)

[Massive trichocephaliasis and other helminthiasis in children and its treatment with pyrantel pamoate/oxantel] Aponte A, et al. **GEN** 1982 Apr–Sep;36(2–3):162–76 (Eng. Abstr.) (Spa)

HISTORY

[Parasitologic study of an ancient corpse from the Chu dynasty of the warring states from the Mazhuan grave no. 1, Jiangling district, Hubei province] Yang WY, et al. **Acta Acad Med Wuhan** 1984;4(1):23–7 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Cellular mechanisms of immunity to the nematode Trichuris muris. Lee TD, et al. **Int J Parasitol** 1983 Aug;13(4):349–53

PREVENTION & CONTROL

Selective primary health care: strategies for control of disease in the developing world. XII. Ascariasis and trichuriasis. Arfaa F. **Rev Infect Dis** 1984 May–Jun;6(3):364–73 (41 ref.)

VETERINARY

Evaluation of fenbendazole as an extended anthelmintic treatment regimen for swine. Corwin RM, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):58–9

TRICHURIS

ANATOMY & HISTOLOGY

Trichuris odocoileus sp. n. (Nematoda: Trichuridae) from white-tailed deer, Odocoileus virginianus, in southeastern U.S., and a key to trichurids in North American ruminants. Knight RA. **J Parasitol** 1983 Dec;69(6):1156–9

TRICHUROIDEA

IMMUNOLOGY

Granulomatous hypersensitivity and antibody production in response to antigens of Capillaria hepatica eggs. Raybourne R, et al. **Int J Parasitol** 1984 Aug;14(4):371–5

TRICINE see under **GLYCINE**

TRICLOSAN see under **PHENYL ETHERS**

TRICUSPID VALVE

Right heart endocarditis: clinical and echocardiographic features. Panidis IP, et al. **Am Heart J** 1984 Apr; 107(4):759–64

Entrapment of an atrial tined pacemaker electrode in the tricuspid valve—a case report. Fürstenberg S, et al. **PACE** 1984 Jul;7(4):760–2

Intravenous drug addiction—staphylococcal septicemia—pulmonary embolism: a triad pathognomonic for tricuspid valve endocarditis? Julander I, et al. **Scand J Infect Dis** 1983;15(3):257–65

Tricuspid valve myxoma infected with dysgonic fermenter–2. Worthington M, et al. **South Med J** 1984 Feb;77(2):241–2

[Thrombus temporarily wedged in the tricuspid valve. Detection with bidimensional echocardiography (letter)] Gully C, et al. **Presse Med** 1984 Jan 14;13(1):47 (Fre)

[Calcification of the tricuspid annulus in association with pulmonary stenosis: report of a case] Hata T, et al. **J Cardiogr** 1983 Jun;13(2):443–51 (Eng. Abstr.) (Jpn)

[A rare case of verrucosus tricuspid valvular endocarditis] Yoshida M, et al. **Nippon Rai Gakkai Zasshi** 1983 Jan–Mar; 52(1):51–7 (Eng. Abstr.) (Jpn)

[Septic thromboendocarditis following catheterization of the subclavian vein in a newborn infant with infection] Shilenkova VI, et al. **Pediatriia** 1984 Mar;(3):48–50 (Rus)

[Surgical treatment of rheumatic tricuspid valve diseases] Tsukerman GI, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):26–9 (Eng. Abstr.) (Rus)

[Ebstein's anomaly of the tricuspid valve. Study of 13 cases in childhood] Esteban I, et al. **An Esp Pediatr** 1983 Jun; 18(6):457–66 (Eng. Abstr.) (Spa)

ABNORMALITIES

Two-dimensional echocardiographic evaluation of tricuspid hypoplasia in pulmonary atresia. Andrade JL, et al. **Am J Cardiol** 1984 Jan 15;53(2):387–8

Interventricular and subarterial obstruction in tricuspid atresia resulting from an endocardial tissue tag. Gerlis LM, et al. **Am J Cardiol** 1984 Jul 1;54(1):236–7

Non–Ebstein concomitant dysplasia of tricuspid and mitral valves in newborns. Gallo P, et al. **Appl Pathol** 1983; 1(5):283–9

Dysplasia of the atrioventricular valves associated with conduction system anomalies. Daliento L, et al. **Br Heart J** 1984 Mar;51(3):243–51

Dynamics of right heart flow in patients after Fontan procedure. Nakazawa M, et al. **Circulation** 1984 Feb; 69(2):306–12

Particle imaging. Acquired arteriovenous malformations complicating a Glenn anastomosis. Sty JR, et al. **Clin Nucl Med** 1984 Apr;9(4):208–9

Atresia of the right atrioventricular valve. Subramanyam R, et al. **Indian Heart J** 1983 Jul–Aug;35(4):207–11

Duplication of the left atrioventricular valve in double inlet left ventricle: a triple inlet ventricle? Gerlis LM, et al. **Int J Cardiol** 1984 Aug;6(2):157–65

Rare anomalies of atrioventricular connection: hidden or supernumerary valves with imperforate right atrioventricular connection. Otero Coto E, et al. **Int J Cardiol** 1984 Aug;6(2):149–56

The surgical management of left ventricular outflow tract obstruction due to tricuspid valve pouch in complete transposition of the great arteries. Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):66–73

Hemodynamics following the Kreutzer procedure for tricuspid atresia in patients under two years of age. Ishikawa T, et al. **J Thorac Cardiovasc Surg** 1984 Sep; 88(3):373–9

Noninvasive determination of exercise cardiac function following Fontan operation. Peterson RJ, et al. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):263–72

Duplication of the tricuspid valve with Ebstein anomaly. Miyamura H, et al. **Jpn Circ J** 1984 Apr;48(4):336–8

A successful repair of tricuspid atresia by modified Björk's procedure—a case report. Kawachi Y, et al. **Jpn J Surg** 1983 Jul;13(4):341–7

Tricuspid atresia with imperforate valve: angiographic findings and surgical implications in two cases with AV concordance and normally related great arteries. Crupi G, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):49–53

[Detachment of the septal cusp of the tricuspid valve in partial atrioventricular canal—a case of successful surgical correction] Daskalov E. **Khirurgiia (Sofiia)** 1983; 36(3):227–31 (Eng. Abstr.) (Bul)

[Total correction of complete transposition of the great arteries (d–TGA) and Fontan procedure for tricuspid atresia(TA)] Imai Y. **Nippon Geka Gakkai Zasshi** 1983 Sep; 84(9):804–7 (Eng. Abstr.) (Jpn)

[An experimental study on corrective surgery for tricuspid atresia—with special reference to the superiority of the procedure including the right ventricle] Katagiri M. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jun;31(6):900–14 (Eng. Abstr.) (Jpn)

[Idiopathic hypertrophic cardiomyopathy: report of a case associated with a congenital defect of the tricuspid valve] Costa RS. **AMB** 1983 Jul–Aug;29(7–8):144–6 (Eng. Abstr.) (Por)

ANATOMY & HISTOLOGY

Normal and prolapsed tricuspid valve leaflets [letter] Brown AK, et al. **Am J Cardiol** 1984 Jul 1;54(1):246

'Offsetting' of the septal tricuspid leaflet in normal hearts and in hearts with Ebstein's anomaly. Anatomic and echographic correlation. Gussenhoven EJ, et al. **Am J Cardiol** 1984 Jul 1;54(1):172–6

Atrioventricular valve anular diameter: two-dimensional echocardiographic–autopsy correlation. Gutgesell HP, et al. **Am J Cardiol** 1984 Jun 1;53(11):1652–5

Echocardiographic evaluation of normal and prolapsed tricuspid valve leaflets. Tei C, et al. **Am J Cardiol** 1983 Oct 1;52(7):796–800

INJURIES

Two-dimensional echocardiography in post traumatic tricuspid incompetence. Longhini C, et al. **Acta Cardiol (Brux)** 1983;38(6):525–35

[Surgical treatment of traumatic tricuspid insufficiency] Okada K, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):494–8 (Eng. Abstr.) (Jpn)

PATHOLOGY

Calcification of the tricuspid anulus diagnosed by two-dimensional echocardiography. Mattleman S, et al. **Am Heart J** 1984 May;107(5 Pt 1):986–8

Comparison of late (62 to 140 months) degenerative changes in simultaneously implanted and explanted porcine (Hancock) bioprostheses in the tricuspid and mitral valve positions in six patients. Cohen SR, et al. **Am J Cardiol** 1984 Jun 1;53(11):1599–602

The tricuspid valve in carcinoid syndrome. An echocardiographic study. Taber M, et al. **Arch Intern Med** 1983 May;143(5):1033–4

Closure of membranous ventricular septal defect of heart by septal leaflet of tricuspid valve. Gaines JJ, et al. **Hum Pathol** 1983 Dec;14(12):1082–4

'Lithiasis' of the tricuspid valve associated with superior vena caval thrombosis and a LeVeen shunt: case report. Reyes CV, et al. **Milit Med** 1984 Apr;149(4):213–5

[Functional tricuspid regurgitation and its relation to the morphology of the tricuspid valve and annulus: pulsed doppler echocardiography and two–dimensional echocardiography] Mikami T, et al. **J Cardiogr** 1983 Jun; 13(2):215–21 (Eng. Abstr.) (Jpn)

[Pathology of the papillary muscles] Contreras Rodríguez R, et al. **Arch Inst Cardiol Mex** 1983 Jul–Aug;53(4):363–71 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Phonoechocardiography in tricuspid honks. Chia BL, et al. **Am Heart J** 1984 May;107(5 Pt 1):1032–4

Mechanisms for development of functional tricuspid regurgitation determined by pulsed Doppler and two–dimensional echocardiography. Mikami T, et al. **Am J Cardiol** 1984 Jan 1;53(1):160–3

Variability in the time interval between tricuspid and mitral valve closure in Ebstein's anomaly. Gussenhoven WJ, et al. **JCU** 1984 Jun;12(5):267–71

[Echocardiographic evaluation of the tricuspid valve in rheumatic mitral valvulopathy] Hernández G, et al. **Arch Inst Cardiol Mex** 1983 Nov–Dec;53(6):513–9 (Eng. Abstr.) (Spa)

SURGERY

Predictors of survival after tricuspid valve surgery. Baughman KL, et al. **Am J Cardiol** 1984 Jul 1;54(1):137–41

Late (5 to 132 months) clinical and hemodynamic results after either tricuspid valve replacement or anuloplasty for Ebstein's anomaly of the tricuspid valve. Silver MA, et al. **Am J Cardiol** 1984 Sep 1;54(6):627–32

An effective adjunct to tricuspid annuloplasty. Nakano S, et al. **Ann Thorac Surg** 1984 Jul;38(1):68–9

Valve replacement for Ebstein's anomaly of the tricuspid valve. Early and long–term results of eight cases. Abe T, et al. **Chest** 1983 Oct;84(4):414–7

Liver fibrosis (cardiac cirrhosis) five years after modified Fontan operation for tricuspid atresia. Lemmer JH, et al. **J Thorac Cardiovasc Surg** 1983 Nov;86(5):757–60

Comparative study of Kay–Boyd's, DeVega's and Carpentier's annuloplasty in the management of functional tricuspid regurgitation. Konishi Y, et al. **Jpn Circ J** 1983 Oct;47(10):1167–72

Factors affecting the results of tricuspid annuloplasty, especially left heart factors. Konishi Y, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):602–9

VSD formation in corrected TGA. Management of a previously undescribed complication after tricuspid valve replacement. Björk VO, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):1–3

The adjustable half–moon. An alternative device for tricuspid valve annuloplasty. Henze A, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):29–32

The Björk–Shiley tilting disc valve in the tricuspid position. 10–year experience. Mestres CA, et al. **Scand J Thorac Cardiovasc Surg** 1983;17(3):197–9

Experimental atrioventricular bioprosthetic valve insertion: a simple and successful technique. Gallo I, et al. **Thorac Cardiovasc Surg** 1983 Oct;31(5):288–90

[Tricuspid reoperation in the surgery of rheumatic valve diseases. Apropos of 24 cases] Donzeau–Gouge P, et al. **Arch Mal Coeur** 1984 Mar;77(3):255–61 (Eng. Abstr.) (Fre)

[Selective tricuspid annuloplasty without prosthetic support] Goudard A, et al. **Presse Med** 1984 Mar 24;13(12):737–8 (Eng. Abstr.) (Fre)

[Tricuspid valve replacement for incomplete endocardial cushion defect] Kazuno H, et al. **Kyobu Geka** 1984 May; 37(5):384–6 (Eng. Abstr.) (Jpn)

[A successful case of tricuspid valve replacement, His bundle interruption and A–V sequential pacemaker implantation for Ebstein's anomaly with WPW syndrome] Fujiwara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):82–7 (Eng. Abstr.) (Jpn)

[Analysis of blood flow pattern in the right heart after Fontan procedure] Nakazawa M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):338–48 (Eng. Abstr.) (Jpn)

[Modified Hardy's operation for Ebstein's anomaly using a Carpentier ring—report of a case] Seki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Mar;32(3):384–9 (Eng. Abstr.) (Jpn)

[Is valved conduit necessary for Fontan's operation?] Arai T. **Rinsho Kyobu Geka** 1984 Mar;4(2):243–4 (Eng. Abstr.) (Jpn)

[The cardiologist's problems during the early period after implantation of an artificial valve] Hoffman M, et al. **Kardiol Pol** 1983;26(6):523–34 (Eng. Abstr.) (Pol)

[Combined electroanesthesia after heart surgery under

general artificial circulation] Avrutskil MIa, et al. **Anesteziol Reanimatol** 1983 Sep–Oct;(5):16–20 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the late results of correcting the tricuspid valve (the de Vega prosthesis and annuloplasty)] Martsinkiavichius A, et al. **Grudn Khir** 1983 Sep–Oct; (5):42–5 (Eng. Abstr.) **(Rus)**

[Evaluation of the contractile function of the right ventricle of the heart after plastic procedures on the tricuspid valve during artificial circulation] Ivanov SP. **Kardiologiia** 1984 Mar;24(3):103–7 (Eng. Abstr.) **(Rus)**

[Late thromboembolic complications after the surgical correction of mitral–aortic–tricuspid heart defects] Dubrovskil VS, et al. **Sov Med** 1984;(6):17–22 (Eng. Abstr.) **(Rus)**

[Tricuspid valvulectomy in a case of Staphylococcus aureus bacterial endocarditis in a drug addict] Gochi Ibarra R, et al. **Rev Esp Cardiol** 1983;36(2):179–83 (Eng. Abstr.) **(Spa)**

TRICUSPID VALVE INSUFFICIENCY

CLASSIFICATION

Clinical severity of tricuspid valve regurgitation as graded by contrast echocardiography. Kaku K. **Kobe J Med Sci** 1983 Oct;29(5):143–60

COMPLICATIONS

Supravalvular stenosing ring of the left atrium associated with bilateral atrioventricular valvular regurgitation. Isner JM, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1150–2

[Erb's muscular dystrophy and congestive myocardiopathy. Description of a case with a whoop due to tricuspid insufficiency] Svetoni N, et al. **G Ital Cardiol** 1984 Jan; 14(1):59–62 (Eng. Abstr.) **(Ita)**

[Surgical management of mitral valve disease associated with tricuspid valve regurgitation] Uchida N, et al. **J Cardiogr** 1983 Mar;13(1):209 **(Jpn)**

[2 cases of tricuspid regurgitation exacerbated in the late postoperative period after mitral valve surgery] Ohashi H, et al. **Rinsho Kyobu Geka** 1983 Sep;3(5):606–10 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Transient neonatal tricuspid regurgitation: possible relation with premature closure of the ductus arteriosus [letter] Huhta JC, et al. **J Am Coll Cardiol** 1984 Sep;4(3):651

DIAGNOSIS

Two–dimensional echocardiography in post traumatic tricuspid incompetence. Longhini C, et al. **Acta Cardiol (Brux)** 1983;38(6):525–35

Diagnosing tricuspid regurgitation by direct imaging of the regurgitant flow in the right atrium using contrast echocardiography. Meltzer RS, et al. **Am J Cardiol** 1983 Nov 1;52(8):1050–3

Diagnosis of tricuspid insufficiency by non invasive methods. Luisada AA, et al. **Angiology** 1984 Mar;35(3):139–47

Cross sectional echocardiographic feature in carcinoid heart disease. A mechanism for tricuspid regurgitation in this syndrome. Davies MK, et al. **Br Heart J** 1984 Mar; 51(3):355–7

Quantitative assessment of tricuspid regurgitation using pulsed Doppler echocardiography. Diebold B, et al. **Br Heart J** 1983 Nov;50(5):443–9

Tricuspid regurgitation: noninvasive techniques for determining causes and severity. DeP.ce NL, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1540–50 (90 ref.)

The development of real–time two–dimensional Doppler echocardiography and its clinical significance in acquired valvular diseases. With special reference to the evaluation of valvular regurgitation. Omoto R, et al. **Jpn Heart J** 1984 May;25(3):325–40

[Noninvasive assessment of tricuspid insufficiency by Doppler echocardiography] Maurice P, et al. **Bull Acad Natl Med (Paris)** 1983 Mar;167(3):223–7 (Eng. Abstr.) **(Fre)**

[Diagnosis of tricuspid valve insufficiency based on clinical signs and contrast echocardiography] Ruffmann K, et al. **Schweiz Med Wochenschr** 1983 Dec 31;113(52):1999–2003 (Eng. Abstr.) **(Ger)**

[Usefulness of the Doppler technic in the diagnosis of tricuspid insufficiency: preliminary study] Rossi M, et al. **Boll Soc Ital Cardiol** 1983 Jan;28(1):41–6 (Eng. Abstr.) **(Ita)**

[Pulsed Doppler echocardiography in the study of tricuspid valve insufficiency] Coletta C, et al. **G Ital Cardiol** 1983; 14(1):25–31 (Eng. Abstr.) **(Ita)**

[Feasibility of contrast echocardiography in the diagnosis of tricuspid valve insufficiency] Danil'chenko TA, et al. **Sov Med** 1984;(3):80–2 **(Rus)**

ETIOLOGY

Tricuspid regurgitation–like murmur due to mitral regurgitation with left phrenic nerve paralysis. Hirota Y, et al. **Am Heart J** 1984 Jan;107(1):181–3

Coronary artery–right ventricular fistula and organic tricuspid regurgitation due to blunt chest trauma. Sareli P, et al. **Am J Cardiol** 1984 Sep 1;54(6):697–9

Acquired tricuspid incompetence in children: pitfalls in the clinical diagnosis of its aetiology. Jaiyesimi F, et al. **Ann Trop Paediatr** 1983 Jun;3(2):69–77

Chronic traumatic tricuspid insufficiency. Sheikhzadeh A, et al. **Clin Cardiol** 1984 May;7(5):299–306

Transient neonatal tricuspid regurgitation: possible relation with premature closure of the ductus arteriosus. Berry TE, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1178–82

[Exudative enteropathy and residual tricuspid insufficiency following repair of tetralogy of Fallot. Regression following tricuspid valvuloplasty] Landau JF, et al. **Arch Mal Coeur** 1984 Feb;77(2):228–32 (Eng. Abstr.) **(Fre)**

[Functional tricuspid insufficiency in patients with severe heart failure; follow–up study using echocardiography] Lambertz H. **Z Kardiol** 1984 Mar;73(3):159–63 (Eng. Abstr.) **(Ger)**

[The tricuspid valve in carcinoid cardiopathy: characteristic echocardiographic aspects] Montemurro D, et al. **G Ital Cardiol** 1983 Nov;13(11):301–5 (Eng. Abstr.) **(Ita)**

[Functional tricuspid regurgitation and its relation to the morphology of the tricuspid valve and annulus: pulsed doppler echocardiography and two–dimensional echocardiography] Mikami T, et al. **J Cardiogr** 1983 Jun; 13(2):215–21 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Tricuspid regurgitation due to sinus of Valsalva–right heart fistula diagnosed by two–dimensional echocardiography. Loperfido F, et al. **Chest** 1984 Sep;86(3):501–3

PHYSIOPATHOLOGY

Evaluation of tricuspid regurgitation by blood flow pattern in the hepatic vein using pulsed Doppler technique. Sakai K, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):516–23

Lateral systolic pulsation of the earlobe: a sign of tricuspid regurgitation [letter] Byrd MD. **Am J Cardiol** 1984 Jul 1; 54(1):244

Mechanisms for development of functional tricuspid regurgitation determined by pulsed Doppler and two–dimensional echocardiography. Mikami T, et al. **Am J Cardiol** 1984 Jan 1;53(1):160–3

Assessment of tricuspid regurgitation by pulsed Doppler ultrasonography of the hepatic veins. Pennestri F, et al. **Am J Cardiol** 1984 Aug 1;54(3):363–8

Factors affecting the results of tricuspid annuloplasty, especially left heart factors. Konishi Y, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):602–9

[Hepatic vein blood flow pattern measured by Doppler echocardiography as an evaluation of tricuspid valve insufficiency] Sakai K, et al. **J Cardiogr** 1983 Mar; 13(1):33–43 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Coronary cineangiography to diagnose tricuspid regurgitation. Kirschbaum M, et al. **Angiology** 1984 Jun; 35(6):327–30

The value of contrast cross–sectional echocardiography in the diagnosis of tricuspid regurgitation. Brown AK, et al. **Eur Heart J** 1984 Jan;5(1):62–6

RADIONUCLIDE IMAGING

Detection of tricuspid insufficiency by portable nuclear probe monitoring over the liver. Dey HM, et al. **Clin Nucl Med** 1983 Dec;8(12):600–2

Quantitative evaluation of tricuspid regurgitation by digital simulation of cardiac time–activity curves. Hunault M, et al. **Eur J Nucl Med** 1984;9(2):68–72

SURGERY

Cardiac valvular replacement in carcinoid heart disease. Miller BR, et al. **Am J Med** 1983 Nov;75(5):896–8

An effective adjunct to tricuspid annuloplasty. Nakano S, et al. **Ann Thorac Surg** 1984 Jul;38(1):68–9

Surgery for tricuspid regurgitation late after mitral valve replacement. King RM, et al. **Circulation** 1984 Sep;70(3 Pt 2):I193–7

The De Vega annuloplasty as surgical treatment for tricuspid incompetence. Stolf NA, et al. **Int Surg** 1983 Jul–Sep; 68(3):201–5

Comparative study of Kay–Boyd's, DeVega's and Carpentier's annuloplasty in the management of functional tricuspid regurgitation. Konishi Y, et al. **Jpn Circ J** 1983 Oct;47(10):1167–72

Circulation control of experimental and clinical profound left ventricular failures by automatic left ventricular assist system. Takano H, et al. **Jpn Circ J** 1984 Mar;48(3):302–11

[Possibilities of reconstructive surgery in organic involvement of the tricuspid valve. Study of consecutive series of 30 cases] Bex JP, et al. **Ann Chir** 1984 Mar; 38(2):145–8 (Eng. Abstr.) **(Fre)**

[Selective tricuspid annuloplasty without prosthetic support] Goudard A, et al. **Presse Med** 1984 Mar 24;13(12):737–8 (Eng. Abstr.) **(Fre)**

[Pathophysiology and surgical management of atrioventricular valvular lesions associated with cardiac myxoma] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Nov; 31(11):2037–42 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of traumatic tricuspid insufficiency] Okada K, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):494–8 (Eng. Abstr.) **(Jpn)**

[Late evaluation of dura mater bioprostheses in tricuspid position] Borzellino DA, et al. **Arq Bras Cardiol** 1983 Nov; 41(5):369–71 (Eng. Abstr.) **(Por)**

TRICUSPID VALVE PROLAPSE see under **HEART VALVE DISEASES**

TRICUSPID VALVE STENOSIS

COMPLICATIONS

Severe tricuspid valve stenosis. A cause of silent mitral stenosis. Sheikhzadeh A, et al. **Jpn Heart J** 1983 Jul; 24(4):563–70

CONGENITAL

Hypoplastic right heart complex–clinical, hemodynamic and angiographic assessment. Arora R, et al. **Indian J Pediatr** 1983 Sep–Oct;50(406):553–6

A case of congenital triple valve disease. van Besouw JP, et al. **Postgrad Med J** 1983 Dec;59(698):779–80

[Surgical treatment of congenital tricuspid stenosis associated with pulmonary stenosis] Hashimoto K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1181–7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnosis of tricuspid stenosis by M–mode and two–dimensional echocardiography. Shimada R, et al. **Am J Cardiol** 1984 Jan 1;53(1):164–8

Delayed postoperative cardiac tamponade mimicking severe tricuspid valve stenosis. Young SG, et al. **Chest** 1984 Jun; 85(6):824–6

Comparison of the echocardiographic and hemodynamic diagnosis of rheumatic tricuspid stenosis. Guyer DE, et al. **J Am Coll Cardiol** 1984 May;3(5):1135–44

[Usefulness of contrast echoangiographic diagnosis of congenital tricuspid stenosis] Yoshioka F, et al. **J Cardiogr** 1983 Jun;13(2):383–94 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Malignant mesothelioma of the pleura with extensive cardiac invasion and tricuspid orifice occlusion. Walters LL, et al. **Cancer** 1983 Nov 1;52(9):1736–8

Tricuspid valve obstruction due to intravenous leiomyomatosis. Basso LV, et al. **Clin Nucl Med** 1984 Mar; 9(3):152–5

SURGERY

[Possibilities of reconstructive surgery in organic involvement of the tricuspid valve. Study of consecutive series of 30 cases] Bex JP, et al. **Ann Chir** 1984 Mar; 38(2):145–8 (Eng. Abstr.) **(Fre)**

TRICYCLIC ANTIDEPRESSIVE AGENTS see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

TRIETHYLCHOLINE see under **CHOLINE**

TRIETHYLENEMELAMINE

TOXICITY

Triethylenemelamine: an initiator of two–stage carcinogenesis in mouse skin which lacks the potential of a complete carcinogen. Perrella FW, et al. **Cancer Lett** 1983 Nov;21(1):37–41

Dominant lethal test response with IMS and TEM using different combinations of male and female stocks of mice. Bishop JB, et al. **Mutat Res** 1983 Sep;121(3–4):273–80

TRIETHYLENETETRAMINE see under **ETHYLENEDIAMINES**

TRIETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIFLUBAZAM see under **BENZODIAZEPINE TRANQUILIZERS**

TRIFLUOPERAZINE

Preliminary X–ray data for the calmodulin/trifluoperazine complex. Gehrig LM, et al. **J Mol Biol** 1984 Aug 15; 177(3):559–61

Preservation techniques for organ transplantation. I. Protective effects of calmodulin inhibitors in cold–preserved kidneys. Asari H, et al. **Transplantation** 1984 Jan;37(1):113–4

ADMINISTRATION & DOSAGE

Relative bioavailability of a commercial trifluoperazine tablet formulation using a radioimmunoassay technique. Midha KK, et al. **J Pharm Sci** 1984 Feb;73(2):261–3

ADVERSE EFFECTS

An unusual schizophrenic illness responsive to pyridoxine HCl (B6) subsequent to phenothiazine and butyrophenone toxicities. Brooks SC, et al. **Biol Psychiatry** 1983 Nov;

18(11):1321–8
Phenothiazine–induced dystonias [letter] Peatfield RC, et al. **Neurology (NY)** 1984 Feb;34(2):260

ANALYSIS

Radioimmunoassay for psychotropic drugs. III: Synthesis and properties of haptens for trifluoperazine and fluphenazine. Hawes EM, et al. **J Pharm Sci** 1984 Feb;73(2):247–50
Development of radioimmunoassays for trifluoperazine and their application to metabolic studies of the drug. Midha KK, et al. **J Pharmacol Methods** 1983 Jun;9(4):283–93

BLOOD

A bioequivalency study of two trifluoperazine tablet formulations using RIA and GC–MS. Midha KK, et al. **Biopharm Drug Dispos** 1984 Jan–Mar;5(1):25–32

DIAGNOSTIC USE

[Study of electromechanical coupling in smooth muscle cells of the ureter using phenothiazines] Baskakov MB, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):431–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Trifluoperazine binding to calmodulin: a shift reagent 43CA NMR study. Vogel HJ, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1350–6
Metal ion and drug binding to proteolytic fragments of calmodulin: proteolytic, cadmium–113, and proton nuclear magnetic resonance studies. Thulin E, et al. **Biochemistry** 1984 Apr 10;23(8):1862–70

PHARMACODYNAMICS

Effects of trifluoperazine on beta–adrenergic responses of rat papillary muscle: related to calmodulin? Aass H, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):265–74
Phenothiazine compounds inhibit in vitro growth of pathogenic free–living amoebae. Schuster FL, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):109–12
Trifluoperazine inhibition of electron transport and adenosine triphosphatase in plant mitochondria. Dunn PP, et al. **Arch Biochem Biophys** 1984 Feb 15;229(1):287–94
Calmodulin antagonists inhibit formation of platelet–activating factor in stimulated human neutrophils. Billah MM, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):629–35
Enhancement of chemiluminescence of the neutrophils by low concentrations of trifluoperazine. Ozaki Y, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):53–9
Calmodulin antagonists decrease the binding of epidermal growth factor to transformed, but not to normal, human fibroblasts. Bodine PV, et al. **Biochem J** 1984 Mar 1; 218(2):629–32
Effects of calmodulin antagonists on the active Ca2+ uptake by rat liver mitochondria. Vale MG, et al. **Biochem J** 1983 Sep 15;214(3):929–35
Increase in glucose 1,6–bisphosphate levels, activation of phosphofructokinase and phosphoglucomutase, and inhibition of glucose 1,6–bisphosphatase in muscle induced by trifluoperazine. Frucht H, et al. **Biochem Med** 1984 Feb; 31(1):122–9
Effects of prostaglandin E2, indomethacin, trifluoperazine and drugs affecting the cytoskeleton on collagenase production by cultured adherent rheumatoid synovial cells. Dayer JM, et al. **Biochem Pharmacol** 1984 Sep 15; 33(18):2893–9
The efflux of spin label entrapped in human erythrocyte ghosts when suspended in hyposmolar solutions. The effect of chlorpromazine, trifluoperazine, nicardipine and some other membrane active substances. Lagercrantz C, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1851–7
Inhibition of (H+ + K+)–ATPase and H+ accumulation in hog gastric membranes by trifluoperazine, verapamil and 8–(N,N–diethylamino)octyl–3,4,5–trimethoxybenzoate. Im WB, et al. **Biochim Biophys Acta** 1984 Feb 29;770(1):65–72
Effect of trifluoperazine, compound 48/80, TMB–8 and verapamil on the rate of calmodulin binding to erythrocyte Ca2+–ATPase. Scharff O, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):29–36
Cholinergic agonists stimulate calcium uptake and cGMP formation in human erythrocytes. Tang LC, et al. **Biochim Biophys Acta** 1984 May 16;772(2):235–8
Inhibition of glia maturation factor–induced mitogenesis in glioblasts by calmodulin antagonists. Okumura–Noji K, et al. **Brain Res** 1983 Aug 22;273(1):17–23
Pharmacological antagonism of calmodulin. Roufogalis BD, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):927–33 (43 ref.)
Inhibition of human breast cancer colony formation by anticalmodulin agents: trifluoperazine, W–7, and W–13. Wei JW, et al. **Cancer Chemother Pharmacol** 1983; 11(2):86–90
Trifluoperazine inhibits formation of adhesion plaque complexes and cell sorting in aggregates of fibroblasts. Jones BM, et al. **Cell Biol Int Rep** 1984 Jan;8(1):65–77
Effects of trifluoperazine, a calmodulin antagonist, on rabbit T– and B–cell responses to mitogens and antigen. Stavitsky AB, et al. **Cell Immunol** 1984 Sep;87(2):411–23
Trifluoperazine antagonizes inhibition of renin release by angiotensin II. Schwertschlag U, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):605–8
Trifluoperazine and chlorpromazine block secretion from human platelets evoked at basal cytoplasmic free calcium by activators of C–kinase. Sanchez A, et al. **FEBS Lett** 1983 Nov 28;164(1):43–6
Interaction of trifluoperazine with Tetrahymena calmodulin. A 19F NMR study. Shimizu T, et al. **FEBS Lett** 1984 Jan 30;166(2):373–7
Trifluoperazine, a calmodulin antagonist, inhibits muscle cell fusion. Bar–Sagi D, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1375–80
Phenothiazines cause a shift in the cAMP dose–response: selection of resistant variants in a murine thymoma line. Gruol DJ, et al. **J Cell Physiol** 1984 Apr;119(1):107–18
The effect of trifluoperazine on maturation of Xenopus laevis oocytes. Hollinger TG, et al. **J Exp Zool** 1984 Jun; 230(3):427–41
Low concentrations of trifluoperazine affect striatal cells in culture. Messer A, et al. **J Neurochem** 1983 Oct;41(4):903–8
Trifluoperazine stimulates acetylcholine receptor synthesis in cultured chick myotubes. Schneider M, et al. **J Neurochem** 1984 May;42(5):1395–401
The calmodulin antagonists, trifluoperazine and R24571, depolarize the mitochondria within guinea pig cerebral cortical synaptosomes. Snelling R, et al. **J Neurochem** 1984 Jun;42(6):1552–7
Possible role of calmodulin in renin secretion from isolated rat kidneys and renal cells: studies with trifluoperazine. Fray JC, et al. **J Physiol (Lond)** 1983 Oct;343:447–54
Role of calmodulin in blastocyst formation in the mouse. Pakrasi PL, et al. **J Reprod Fertil** 1984 Jul;71(2):513–7
Effect of trifluoperazine and calmodulin on catecholamine secretion by saponin–skinned cultured chromaffin cells. Brooks JC, et al. **Life Sci** 1984 Feb 13;34(7):669–74
Genetic study of the role of calcium ions in the cell division cycle of Saccharomyces cerevisiae: a calcium–dependent mutant and its trifluoperazine–dependent pseudorevertants. Ohya Y, et al. **MGG** 1984;193(3):389–94
Effects of desipramine, trifluoperazine and other inhibitors of calmodulin on the secretion of catecholamines from the adrenal medulla and postganglionic sympathetic nerves of the salivary gland. Wakade AR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):320–7
The effect of trifluoperazine and R 24 571 on the K+–evoked release of 5–hydroxytryptamine from superfused synaptosomes. Leung MT, et al. **Neuropharmacology** 1983 Sep;22(9):1095–9
Functional increase in striatal dopaminergic activity following continuous long–term treatment with trifluoperazine. Kerwin R, et al. **Neurosci Lett** 1984 Apr 6;45(3):329–34
Calmodulin antagonists enhance calcium binding to calmodulin. Inagaki M, et al. **Pharmacology** 1983; 27(3):125–9
Trifluoperazine inhibits insulin action on glucose metabolism in fat cells without affecting inhibition of lipolysis. Shechter Y. **Proc Natl Acad Sci USA** 1984 Jan;81(2):327–31
Dissection of stages in exocytosis in the adrenal chromaffin cell with use of trifluoperazine. Burgoyne RD, et al. **Proc R Soc Lond [Biol]** 1982 Aug 23;216(1202):111–5
The effects of trifluoperazine on calcifying tissues in the immature rat. Boskey AL, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):154–63
Alterations of the cytoplasmic organization of WIRL cells induced by trifluoperazine. Connor CG, et al. **Tissue Cell** 1983;15(6):983–92

THERAPEUTIC USE

Trifluoperazine and the rapid, Ca2+–triggered damage of skeletal and cardiac muscle. Duncan CJ, et al. **Comp Biochem Physiol [C]** 1984;78(1):49–50
Chronic intractable pain [letter] Ashley JJ. **NZ Med J** 1984 Jan 11;97(747):23

TOXICITY

Trifluoperazine: corneal endothelial phototoxicity. Hull DS, et al. **Photochem Photobiol** 1983 Oct;38(4):425–8

TRIFLUOROACETIC ACID see under **FLUOROACETATES**

TRIFLUOROETHANOL see under **ALCOHOL, ETHYL**

TRIFLUOROMETHYLHYDROTHIAZIDE see **HYDROFLUMETHIAZIDE**

TRIFLUOROPERAZINE see **TRIFLUOPERAZINE**

TRIFLUOROTHYMIDINE see under **THYMIDINE**

TRIFLUPERIDOL

PHARMACODYNAMICS

Effects of beta adrenergic blocking drugs and trifluperidol on intestinal motility and splanchnic nerve activity in cats. Szenohradszky J, et al. **Acta Chir Hung** 1983;24(4):307–21

TRIFLUPROMAZINE

PHARMACODYNAMICS

Studies on the effect of premedication on electroanaesthesia in buffalo calves. Rao KV, et al. **Acta Vet Hung** 1983; 31(1–3):87–9

TRIFLURALIN see under **TOLUIDINES**

TRIFTAZIN see **TRIFLUOPERAZINE**

TRIGEMINAL CAUDAL NUCLEUS see under **TRIGEMINAL NUCLEUS, SPINAL**

TRIGEMINAL NERVE

Goldenhar–Gorlin syndrome. A case with congenital trigeminal neuropathy. Nappi G, et al. **Acta Neurol (Napoli)** 1983 Oct;5(5):368–72
Experimental sensory ganglionectomy by way of suicide axoplasmic transport. Yamamoto T, et al. **J Neurosurg** 1984 Jan;60(1):108–14
Primary malignant nerve sheath tumor of the gasserian ganglion: a report of two cases. Levy WJ, et al. **Neurosurgery** 1983 Nov;13(5):572–6
Trigeminal schwannoma in a child. Ross DL, et al. **Neurosurgery** 1984 Jul;15(1):108–10
A CT–clinical approach to patients with symptoms related to the V, VII, IX–XII cranial nerves and cervical sympathetics. Kalovidouris A, et al. **Radiology** 1984 Jun; 151(3):671–6
The effect of nerve growth factor and antibodies to nerve growth factor on ethylnitrosourea–induced neoplastic proliferation in rat trigeminal nerves. Camp RC, et al. **Vet Pathol** 1984 Jan;21(1):67–73
[The mental nerve sign in metastatic neoplasms (letter)] Robinet N, et al. **Presse Med** 1984 Jun 2;13(23):1455–6 **(Fre)**
[Mixed connective tissue disease (Sharp syndrome) with involvement of the trigeminal nerve and facial paralysis] Hamza M, et al. **Sem Hop Paris** 1983 Oct 13;59(36):2555–6 (Eng. Abstr.) **(Fre)**
[So–called idiopathic trigeminal paralysis. Presentation of the clinical syndrome in 3 case reports] Haupt WF, et al. **Fortschr Neurol Psychiatr** 1983 Oct;51(10):359–61 (Eng. Abstr.) **(Ger)**
[Neuroparalytic keratitis] Turss R, et al. **Fortschr Ophthalmol** 1983;80(2):100–2 (Eng. Abstr.) **(Ger)**
['Selective' percutaneous alcohol administration to the Gasserian ganglion in the treatment of trigeminal neuralgia] Longhi P, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):303–8 (Eng. Abstr.) **(Ita)**
[Case of progressive diaphyseal dysplasia (Engelmann) presenting with trigeminal neuropathy and hearing disorder] Mineta Y, et al. **Rinsho Shinkeigaku** 1983 Aug; 23(8):700–5 (Eng. Abstr.) **(Jpn)**
[Comparative evaluation of the efficacy of various methods of puncture therapy of severe forms of trigeminal neuralgia] Chudnovskil NA. **Zh Vopr Neirokhir** 1983 Nov–Dec; (6):51–3 **(Rus)**

ANALYSIS

Biochemical and immunohistochemical determination of 5–hydroxytryptamine located in mast cells in the trigeminal ganglion of the rat and guinea pig. Lehtosalo JI, et al. **Histochemistry** 1984;80(3):219–23
Selective localization of alpha–fetoprotein and serum albumin within the sensory ganglia cells of developing chicken. Vidal RM. **Neurosci Lett** 1983 Nov 11;41(3):253–7

ANATOMY & HISTOLOGY

Termination areas of primary afferent fibers of the trigeminal nerve in the rat. Matesz C. **Acta Biol Hung** 1983;34(1):31–43
Three–dimensional stereotactic anatomy of the human trigeminal nerve nuclear complex. Afshar F, et al. **Appl Neurophysiol** 1983;46(1–4):147–53
Anatomical study of the rabbit's corneal–VIth nerve reflex: connections between cornea, trigeminal sensory complex, and the abducens and accessory abducens nuclei. Harvey JA, et al. **Brain Res** 1984 Jun 3;301(2):307–21
Axon arbors of functionally distinct whisker afferents are similar in medullary dorsal horn. Jacquin MF, et al. **Brain Res** 1984 Apr 23;298(1):175–80
Neuronal and transneuronal tracing in the trigeminal system of the rat using the herpes virus suis. Martin X, et al. **Brain Res** 1983 Aug 29;273(2):253–76
The cells of origin of cat trigeminothalamic projections: especially in the caudal medulla. Shigenaga Y, et al. **Brain Res** 1983 Oct 31;277(2):201–22
A trigeminal sensorimotor circuit for pecking, grasping and feeding in the pigeon (Columba livia). Wild JM, et al. **Brain Res** 1984 May 21;300(1):146–51
Vagal afferent C fibers projecting to the lateral descending trigeminal complex of crotaline snakes. Kishida R, et al. **Exp Brain Res** 1984;53(2):315–9
Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Ratus norvegicus B, 1769, Mesocricetus aureatus W. 1839). Part III. Mandibular and sublingual ganglia. Kuder T.

Folia Morphol (Warsz) 1984;43(1):19–34

Comparative morphology and topography of cranial parasympathetic ganglia connected with the trigeminal nerve in mouse, rat and hamster (Mus musculus L. 1759, Rattus norvegicus B. 1769, Mesocricetus aureatus W. 1839). Part I. Otic ganglion. Kuder T. **Folia Morphol (Warsz)** 1983;42(3):187–97

Dental sensory receptors. Byers MR. **Int Rev Neurobiol** 1984; 25:39–94

Co-localization of retrogradely transported wheat germ agglutinin and the putative neurotransmitter substance P within trigeminal ganglion cells projecting to cat middle cerebral artery. Liu-Chen LY, et al. **J Comp Neurol** 1984 May 10;225(2):187–92

Trigeminal projections to supratentorial pial and dural blood vessels in cats demonstrated by horseradish peroxidase histochemistry. Mayberg MR, et al. **J Comp Neurol** 1984 Feb 10;223(1):46–56

Electron microscopic identification of trigeminal nerve fibers in the ciliary body and the iris. Lehtosalo J, et al. **Neurosci Lett** 1983 Dec 11;42(3):239–42

Pia arachnoid contains substance P originating from trigeminal neurons. Liu-Chen LY, et al. **Neuroscience** 1983 Aug;9(4):803–8

Neuroanatomic basis of face pain. The fifth (trigeminal) nerve. Pansky B. **Postgrad Med** 1984 Aug;76(2):101–11

Computer-generated three-dimensional visualization of the trigeminal nuclear complex. Afshar F, et al. **Surg Neurol** 1984 Aug;22(2):189–96

[Anatomy of cavum trigeminale and related structures] Zhu JH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb;17(1):1–4 (Eng. Abstr.) **(Chi)**

[Trigeminal nerve] Salagaray-Lafargue F, et al. **Actual Odontostomatol (Paris)** 1983 Jun;(142):243–58 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Influence of age on the development of cadmium-induced vascular lesions in rat sensory ganglia. Arvidson B. **Environ Res** 1983 Oct;32(1):240–6

CYTOLOGY

Tissue culture of trigeminal nerves from rats administered transplacentally with ethylnitrosourea. Hayashi K. **Acta Med Okayama** 1983 Aug;37(4):301–20

Sensory supply of the anterior uvea: a light and electron microscope study. Lehtosalo JI, et al. **Exp Brain Res** 1984; 55(3):562–9

Substance P-like immunoreactive trigeminal ganglion cells supplying the cornea. Lehtosalo JI. **Histochemistry** 1984; 80(3):273–6

Birth dates of trigeminal motoneurons and metamorphic reorganization of the jaw myoneural system in frogs. Alley KE, et al. **J Comp Neurol** 1983 Aug 20;218(4):395–405

[Cytostructure of peripheral nervous system neurocytes after freezing of the skin with liquid nitrogen] Zabel J. **Przegl Dermatol** 1983 Jul-Aug;70(4):373–8 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Increased vascular permeability in rat nasal mucosa induced by substance P and stimulation of capsaicin-sensitive trigeminal neurons. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5–6):479–84

Protective reflexes and vascular effects in the nasal mucosa elicited by activation of capsaicin-sensitive substance P-immunoreactive trigeminal neurons. Lundblad L. **Acta Physiol Scand [Suppl]** 1984;529:1–42

Neural crest-derived spinal and cranial sensory neurones are equally sensitive to NGF but differ in their response to tissue extracts. Davies AM, et al. **Brain Res** 1984 May; 316(1):121–7

Effects of acrylamide and botulinum toxin on horseradish peroxidase labelling of trigeminal motor neurons in the rat. Kemplay S, et al. **J Anat** 1983 Oct;137 (Pt 3):477–82

[The effect of N and C terminal sequences of substance P on non-neuronal cells in vitro (nerve tissue culture)] Lindner G. **Z Mikrosk Anat Forsch** 1984;98(1):107–18 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Transient expression of selected catecholaminergic traits in cranial sensory and dorsal root ganglia of the embryonic rat. Jonakait GM, et al. **Dev Biol** 1984 Jan;101(1):51–60

Relation of target encounter and neuronal death to nerve growth factor responsiveness in the developing mouse trigeminal ganglion. Davies A, et al. **J Comp Neurol** 1984 Feb 10;223(1):124–37

GROWTH & DEVELOPMENT

Maturation and recycling of trigeminal motoneurons in anuran larvae. Barnes MD, et al. **J Comp Neurol** 1983 Aug 20;218(4):406–14

Biochemical and anatomical effects of antibodies against nerve growth factor on developing rat sensory ganglia. Goedert M, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(5):1580–4

IMMUNOLOGY

Origin and distribution of capsaicin-sensitive substance P-immunoreactive nerves in the nasal mucosa. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec; 96(5–6):485–93

INJURIES

Evaluation of peripheral nerve regeneration following crushing or transection injuries. Tyndall DA, et al. **J Oral Maxillofac Surg** 1984 May;42(5):314–8

METABOLISM

Substance P in the rat parotid gland: evidence for a dual origin from the otic and trigeminal ganglia. Sharkey KA, et al. **Brain Res** 1984 Jun 25;304(2):392–6

MICROBIOLOGY

Characterization of bovine herpesvirus-1 isolated from trigeminal ganglia of clinically healthy cattle. Rodriguez LL, et al. **Am J Vet Res** 1984 Jun;45(6):1069–72

Effect of discontinuous acyclovir treatment on in vitro reactivation of herpes simplex virus from latently infected trigeminal ganglia. Klein RJ, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):129–31

In vitro effect of (E)-5-(2-bromovinyl)-2'-deoxyuridine, 5'-amino-5-iodo-2',5'-dideoxyuridine and 2-deoxy-D-glucose on latent ganglionic herpes simplex virus infection. Pavan-Langston D, et al. **Antiviral Res** 1984 Apr;4(1–2):53–61

Dissemination of herpes simplex virus in ganglia after footpad inoculation in neurectomized and non-neurectomized mice. Klein RJ, et al. **Arch Virol** 1983;77(2–4):231–8

Effectiveness of levamisole on herpetic ganglionic latency. Hiyama N, et al. **Hiroshima J Med Sci** 1983 Jun; 32(2):219–22

Recovery of herpes simplex virus genetic information from human trigeminal ganglion cells following superinfection with herpes simplex virus type 2 temperature-sensitive mutants. Lewis ME, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):215–9

Different sizes of restriction endonuclease fragments from the terminal repetitions of the herpes simplex virus type 1 genome latent in trigeminal ganglia of mice. Puga A, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):437–44

Herpes simplex encephalitis. Immunohistological demonstration of spread of virus via olfactory and trigeminal pathways after infection of facial skin in mice. Esiri MM, et al. **J Neurol Sci** 1984 May;64(2):213–7

Monoclonal antibodies suppress replication of herpes simplex virus type 1 in trigeminal ganglia. Oakes JE, et al. **J Virol** 1984 Sep;51(3):656–61

Localization of herpes simplex virus in the trigeminal and olfactory systems of the mouse central nervous system during acute and latent infections by in situ hybridization. Stroop WG, et al. **Lab Invest** 1984 Jul;51(1):27–38

Varicella-zoster virus RNA in human trigeminal ganglia. Hyman RW, et al. **Lancet** 1983 Oct 8;2(8354):814–6

Detection of virus particles in trigeminal ganglion cells in a calf recurrently infected with infectious bovine rhinotracheitis virus. Narita M, et al. **Nippon Juigaku Zasshi** 1983 Oct;45(5):691–3

PATHOLOGY

An unusual oral complication of herpes zoster infection. Smith S, et al. **Oral Surg** 1984 Apr;57(4):388–9

[Clinico-pathological conference: necrotizing angiitis of leptomeningeal vessels and fatal brainstem hemorrhage following ocular herpes zoster] Probst A, et al. **Schweiz Rundsch Med Prax** 1984 Apr 3;73(14):455–61 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effects of antidromic trigeminal nerve stimulation in relation to parasympathetic vasodilation in cat nasal mucosa. Lundblad L, et al. **Acta Physiol Scand** 1983 Sep;119(1):7–13

Alterations in intradental nerve responsiveness induced by electrical stimulation of the inferior alveolar nerve in the cat. Panopoulos P, et al. **Acta Physiol Scand [Suppl]** 1983; 515:37–43

Anatomical and functional organization of reflexes involving the trigeminal system in man: jaw reflex, blink reflex, corneal reflex, and exteroceptive suppression. Ongerboer de Visser BW. **Adv Neurol** 1983;39:727–38

The influence of the trigeminal nerve on facial growth and development. Behrents RG, et al. **Am J Orthod** 1984 Mar; 85(3):199–206

Oral somatosensory factors in dietary self-selection in rats. Miller MG. **Behav Neurosci** 1984 Jun;98(3):416–23

Oral somatosensory factors in dietary self-selection after food deprivation and supplementation. Miller MG, et al. **Behav Neurosci** 1984 Jun;98(3):424–34

Evidence for peripheral, but not central modulation of trigeminal cold receptive cells in the rat. Davies SN. **Brain Res** 1984 Jun 3;301(2):299–305

Differences in thermal responses of cat trigeminal ganglion 'cold' receptors under urethane and pentobarbital anesthetization. Hirata H, et al. **Brain Res** 1984 Feb 6; 292(2):387–9

Reflex responses of single salivatory neurons to stimulation of trigeminal sensory branches in the cat. Murakami T, et al. **Brain Res** 1983 Dec 5;280(2):233–7

Crossed and uncrossed central effects of muscle spindle afferents from the lateral pterygoid muscle of the guinea pig. Nozaki S, et al. **Brain Res** 1984 Jun 8;302(2):339–45

Amygdaloid and cortical facilitation or inhibition of trigeminal motoneurons in the rat. Ohta M. **Brain Res** 1984 Jan 16;291(1):39–48

Morphological and electrophysiological properties of trigeminal neurones projecting to the accessory abducens nucleus of the cat. Durand J, et al. **Exp Brain Res** 1983; 53(1):118–28

Identification and input-output properties of bulbar reticular neurons involved in the cerebral cortical control of trigeminal motoneurons in cats. Nozaki S, et al. **Exp Brain Res** 1983;49(3):363–72

Role of medullary reticular neurons in the inhibition of trigeminal motoneurons during active sleep. Chase MH, et al. **Exp Neurol** 1984 May;84(2):364–73

Responses to corneal stimulation in vestibulospinal units of nucleus Deiters. Mackert A, et al. **Exp Neurol** 1984 Jan; 83(1):24–32

Electrophysiological evidence for crossed oligosynaptic trigemino-facial connections in normal man. Willer JC, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):87–90

Decreased carotid arterial resistance in cats in response to trigeminal stimulation. Lambert GA, et al. **J Neurosurg** 1984 Aug;61(2):307–15

Studies on the trigeminal antidromic vasodilatation and plasma extravasation in the rat. Couture R, et al. **J Physiol (Lond)** 1984 Jan;346:273–85

Trigeminal-baroreceptor reflex interactions modulate human cardiac vagal efferent activity. Eckberg DL, et al. **J Physiol (Lond)** 1984 Feb;347:75–83

Evidence for thalamic projections from external cuneate nucleus, cell groups Z and X, and the mesencephalic nucleus of the trigeminal nerve in squirrel monkey. Pearson JC, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):41–7

[Intraocular pressure and the trigeminal ganglion] Martin X. **Klin Monatsbl Augenheilkd** 1984 May;184(5):386–9 (Eng. Abstr.) **(Fre)**

[Effect of trigeminal nerve block on respiration in vagotomized cats] Glebovskiĭ VD, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1207–15 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Clinical uses of the electrically elicited blink reflex. Kimura J. **Adv Neurol** 1983;39:773–86

The neurobiology of vascular head pain. Moskowitz MA. **Ann Neurol** 1984 Aug;16(2):157–68

Suppression of HSV-1 infection in trigeminal ganglion cells. An in vitro model of latency. Dunkel EC, et al. **Invest Ophthalmol Vis Sci** 1984 May;25(5):525–33

R1 responses of the trigeminofacial reflex in lesions extrinsic to the brain stem. Rossi B, et al. **Ital J Neurol Sci** 1984 Mar;5(1):41–4

Pathways for orofacial pain sensation in the trigeminal brain-stem nuclear complex of the Macaque monkey. Young RF, et al. **J Neurosurg** 1984 Sep;61(3):563–8

Blink reflex and trigeminal nerve somatosensory evoked potentials: essentials in vascular brainstem diseases. Kountouris D, et al. **Monogr Neural Sci** 1984;11:222–8

Percutaneous retrogasserian glycerol rhizotomy for tic douloureux: Part 2. Results nd implications of trigeminal evoked potential studies. Bennett MH, et al. **Neurosurgery** 1984 Apr;14(4):431–5

Evoked potentials in trigeminal neuralgia. Bennett MH, et al. **Neurosurgery** 1983 Sep;13(3):242–7

[Electroneurophysiologic brain stem diagnosis. Electromyography and electroneurography in the area of the cranial nerves and trigeminofacial reflexes] Reichel G, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:44–8 **(Ger)**

RADIOGRAPHY

The Meckel cave: computed tomographic study. Part I: Normal anatomy; Part II: Pathology. Kapila A, et al. **Radiology** 1984 Aug;152(2):425–33

Meningiomas of Meckel's cave. Butti G, et al. **Surg Neurol** 1983 Oct;20(4):305–9

SECRETION

Release of the predicted calcitonin gene-related peptide from cultured rat trigeminal ganglion cells. Mason RT, et al. **Nature** 1984 Apr 12–18;308(5960):653–5

SURGERY

Percutaneous trigeminal thermorhizotomy in treatment of malignant facial pain. Frank F, et al. **Acta Neurochir (Wien)** 1983;69(3–4):283–9

Is anaesthesia for trigeminal thermocoagulation ever necessary? [letter] Ori C, et al. **Anaesthesia** 1983 Dec; 38(12):1228–9

Anaesthetic considerations in percutaneous radiofrequency coagulation of the Gasserian ganglion. Abou-Madi M, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):255–62

Percutaneous microcompression of the trigeminal ganglion for trigeminal neuralgia. Mullan S, et al. **J Neurosurg** 1983 Dec;59(6):1007–12

Trigeminal neuralgia and the facial glomus [letter] Small JM. **Lancet** 1984 May 5;1(8384):1021

Percutaneous retrogasserian glycerol rhizotomy for tic

douloureux: Part 1. Technique and results in 112 patients. Lunsford LD, et al. **Neurosurgery** 1984 Apr;14(4):424–30

[Selective percutaneous radiofrequency thermocoagulation of the semilunar ganglion for treating trigeminal neuralgia] Xu JP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb; 17(1):5–8 (Eng. Abstr.) **(Chi)**

[Suprapetrosal approach to the anterosuperior surface of the petrous bone. Its importance for the treatment of rare lesions of the sphenoid bone, trigeminal nerve and internal carotid artery] Vaneecloo FM, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(2):95–101 (Eng. Abstr.) **(Fre)**

[General anesthesia in thermocoagul: :n interventions on the cranial nerves (letter)] Ori C, et al. **Minerva Anestesiol** 1984 Jan–Feb;50(1–2):33–4 **(Ita)**

[Selective percutaneous radiofrequency thermocoagulation in essential trigeminal neuralgia. Observations on 205 personal cases] Graziussi G, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):280–6 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of the electrical activity of the brain in hypertensive patients before and after surgery on the sympathetic–adrenal system] Myts BV, et al. **Klin Med (Mosk)** 1983 Sep;61(9):58–60 (8 ref.) (Eng. Abstr.) **(Rus)**

[Treatment of trigeminal neuralgia using percutaneous coagulation of Gasser's ganglion] Pérez Calvo JM, et al. **Rev Clin Esp** 1983 Dec 15;171(5):337–9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Fine structure and organization of the infrared receptor relays: lateral descending nucleus of V in Boidae and nucleus reticularis caloris in the rattlesnake. Meszler RM. **J Comp Neurol** 1983 Nov 1;220(3):299–309

TRIGEMINAL NEURALGIA

BLOOD

[Status of the hemostatic system in trigeminal neuralgia and facial pain of cervical origin] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):374–8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Trigeminal neuralgia associated with seizure and syncope. Case report. Kapoor WN, et al. **J Neurosurg** 1984 Sep; 61(3):594–5

Cluster headache with trigeminal neuralgia. An uncommon association that may be more than coincidental. Diamond S, et al. **Postgrad Med** 1984 Feb 1;75(2):165–72

DIAGNOSIS

Contralateral trigeminal nerve dysfunction as a false localizing sign in acoustic neuroma: a clinical and electrophysiological study. Koenig M, et al. **Neurosurgery** 1984 Mar;14(3):335–7

[Value of drop tests in the diagnosis of Raeder's syndrome] Lubiński I, et al. **Wiad Lek** 1983 Oct 15;36(20):1741–5 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Hyperammonemia in asterixis induced by carbamazepine: two case reports. Ambrosetto G, et al. **Acta Neurol Scand** 1984 Mar;69(3):186–9

Baclofen in the treatment of neuralgia. Hershey LA. **Ann Intern Med** 1984 Jun;100(6):905–6

Baclofen in the treatment of trigeminal neuralgia: double-blind study and long-term follow-up. Fromm GH, et al. **Ann Neurol** 1984 Mar;15(3):240–4

Potent therapeutic effect of carbamazepine-10,11-epoxide in trigeminal neuralgia. Tomson T, et al. **Arch Neurol** 1984 Jun;41(6):598–601

Efficacy of baclofen in trigeminal neuralgia and some other painful conditions. A clinical trial. Steardo L, et al. **Eur Neurol** 1984;23(1):51–5

Neurotransmitter-blocking agents influence antinociceptive effects of carbamazepine, baclofen, pentazocine and morphine on bradykinin-induced trigeminal pain. Foong FW, et al. **Neuropharmacology** 1984 Jun;23(6):633–6

ETIOLOGY

Facial pain due to perineural invasion by basal cell carcinoma. Eng CT, et al. **Ann Plast Surg** 1984 Apr; 12(4):374–7

Trigeminal neuralgia [letter] Potter J. **Lancet** 1984 Jun 2; 1(8388):1249

Unsuspected lesions in patients with bilateral tic douloureux [letter] Tyndel FJ, et al. **Lancet** 1984 Jun 23;1(8391):1418

Idiopathic trigeminal neuralgia—a phantom pain phenomenon? The biorhythms neogenesis theory. Zurak N, et al. **Neurologija** 1983;31(3–4):91–105

[Trigeminal neuralgia caused by cerebellopontine angle lesions—report of 62 operative cases] Bao XF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb; 17(1):9–11 (Eng. Abstr.) **(Chi)**

[Epidermoid cyst in the cerebellopontine angle cistern presenting as trigeminal neuralgia. Diagnostic values of the orbicularis oculi reflex and metrizamide CT cisternography—case report] Ueda T, et al. **Neurol Med Chir (Tokyo)** 1983 May;23(5):375–80 (Eng. Abstr.) **(Jpn)**

[Trigeminal neuralgia and tumors of the cerebellopontile angle] Węgrzyn ZM. **Neurol Neurochir Pol** 1983 Mar–Apr; 17(2):245–51 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Familial essential trigeminal neuralgia] Bracale C, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):299–302 (Eng. Abstr.) **(Ita)**

HISTORY

Innovation in neurosurgery: Walter Dandy in his day. Pinkus RL. **Neurosurgery** 1984 May;14(5):623–31

PATHOLOGY

Operative findings on microsurgical exploration of the cerebello-pontine angle in trigeminal neuralgia. Richards P, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec; 46(12):1098–101

Neuroanatomic basis of face pain. The fifth (trigeminal) nerve. Pansky B. **Postgrad Med** 1984 Aug;76(2):101–11

PHYSIOPATHOLOGY

Blink reflex in trigeminal sensory neuropathy. Hess K, et al. **Electromyogr Clin Neurophysiol** 1984 Mar–Apr; 24(3):185–90

Evoked potentials to flashes in trigeminal neuralgia. Polyantsev VA, et al. **Hum Physiol** 1983 May–Jun; 9(3):211–5

Percutaneous retrogasserian glycerol rhizotomy for tic douloureux: Part 2. Results nd implications of trigeminal evoked potential studies. Bennett MH, et al. **Neurosurgery** 1984 Apr;14(4):431–5

Evoked potentials in trigeminal neuralgia. Bennett MH, et al. **Neurosurgery** 1983 Sep;13(3):242–7

[Naloxone and essential trigeminal neuralgia] Salar G, et al. **Riv Neurol** 1983 Jul–Aug;53(4):257–64 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Size of the internal carotid and middle cerebral arteries in patients with trigeminal neuralgia. Ericson K. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):459–63

SURGERY

Anaesthesia for trigeminal thermocoagulation [letter] Samuels SI, et al. **Anaesthesia** 1983 Sep;38(9):912–3

Success of microvascular decompression with and without prior surgical therapy for trigeminal neuralgia. Barba D, et al. **J Neurosurg** 1984 Jan;60(1):104–7

Percutaneous microcompression of the trigeminal ganglion for trigeminal neuralgia. Mullan S, et al. **J Neurosurg** 1983 Dec;59(6):1007–12

Predicting myocardial infarction [letter] Nally FF, et al. **Lancet** 1984 May 5;1(8384):1021

Trigeminal neuralgia and the facial glomus [letter] Small JM. **Lancet** 1984 May 5;1(8384):1021

Percutaneous retrogasserian glycerol rhizotomy for tic douloureux: Part 1. Technique and results in 112 patients. Lunsford LD, et al. **Neurosurgery** 1984 Apr;14(4):424–30

Treatment of tic douloureux and hemifacial spasm by posterior fossa exploration: therapeutic implications of various neurovascular relationships. Piatt JH Jr, et al. **Neurosurgery** 1984 Apr;14(4):462–71

A 22-year study of paroxysmal trigeminal neuralgia in 211 patients with a 3-year appraisal of the role of cryotherapy. Nally FF. **Oral Surg** 1984 Jul;58(1):17–23

Trigeminal neuralgia—earlier referral for surgery. Garvan NJ, et al. **Postgrad Med J** 1983 Jul;59(693):435–7

Microvascular decompression for trigeminal neuralgia. A five-year follow-up study. Kolluri S, et al. **Surg Neurol** 1984 Sep;22(3):235–40

[Selection of surgical approach in the treatment of atypical trigeminal neuralgia] Wang BH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):182–3 (Eng. Abstr.) **(Chi)**

[Selective percutaneous radiofrequency thermocoagulation of the semilunar ganglion for treating trigeminal neuralgia] Xu JP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Feb; 17(1):5–8 (Eng. Abstr.) **(Chi)**

[Microvascular decompression of the trigeminal nerve – a causal therapy of trigeminal neuralgia?] Richter HP, et al. **Fortschr Med** 1984 Jan 12;102(1–2):41–5 (Eng. Abstr.) **(Ger)**

[Surgical management of trigeminal neuralgia, hemifacial spasm, paroxysmal tinnitus and nystagmus by neurovascular decompression] Isu T, et al. **Hokkaido Igaku Zasshi** 1983 Nov;58(6):587–99 (Eng. Abstr.) **(Jpn)**

[Radiographic positions of the cranial nerve root (V,VII–XI) proximal zones with special reference to microvascular decompression] Okamura T, et al. **Neurol Med Chir (Tokyo)** 1983 Oct;23(10):776–82 (Eng. Abstr.) **(Jpn)**

[Neurovascular decompression in trigeminal neuralgia. Analysis of 70 cases] Niemeyer Filho P. **Arq Neuropsiquiatr** 1983 Dec;41(4):321–31 (Eng. Abstr.) **(Por)**

[Treatment of trigeminal neuralgia using percutaneous coagulation of Gasser's ganglion] Pérez Calvo JM, et al. **Rev Clin Esp** 1983 Dec 15;171(5):337–9 (Eng. Abstr.) **(Spa)**

THERAPY

Trigeminal trophic syndrome [letter] Vickers R. **Br J Dermatol** 1983 Sep;109(3):369–70

Management of trigeminal neuralgia. **Drug Ther Bull** 1983 Dec 16;21(25):97–9

Observation on the effect of acupuncture treatment in 300 cases of primary trigeminal neuralgia. Xu BR, et al. **J Tradit Chin Med** 1981 Sep;1(1):51–2

Management of trigeminal neuralgia [editorial] **Lancet** 1984 Mar 24;1(8378):662–3

Alcohol blockade of the inferior dental nerve under radiographic control in the management of trigeminal neuralgia. Littler BO. **Oral Surg** 1984 Feb;57(2):132–5

Update on trigeminal neuralgia management. Delgado TE, et al. **Penn Med** 1984 Apr;87(4):44, 46

[Late results of thermocoagulation in Gasser's ganglion in tic douloureux] Brandt F, et al. **Neurochirurgia (Stuttg)** 1983 Sep;26(5):133–5 (Eng. Abstr.) **(Ger)**

[Selective percutaneous radiofrequency thermocoagulation in essential trigeminal neuralgia. Observations on 205 personal cases] Graziussi G, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):280–6 (Eng. Abstr.) **(Ita)**

['Selective' percutaneous alcohol administration to the Gasserian ganglion in the treatment of trigeminal neuralgia] Longhi P, et al. **Riv Neurobiol** 1982 Jul–Dec;28(3–4):303–8 (Eng. Abstr.) **(Ita)**

[Acupuncture in the treatment of trigeminal neuralgia and facial nerve paralysis] Crețu G, et al. **Rev Chir [Otorinolaringol]** 1983 Oct–Dec;28(4):309–12 (Eng. Abstr.) **(Rum)**

[Acupuncture therapy of neuralgia of the trigeminal nerve] Tsunikov AI, et al. **Sov Med** 1983;(9):102–4 **(Rus)**

[Basis for the use of acupuncture reflexotherapy in odontogenic neuralgia of the trigeminal nerve] Grechko VE, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):37–9 (Eng. Abstr.) **(Rus)**

[Use of sodium oxybutyrate in treating trigeminal neuralgia] Grechko VE, et al. **Vrach Delo** 1984 Apr;(4):90–3 (Eng. Abstr.) **(Rus)**

[Dynamics of the electroencephalogram and rheoencephalogram during reflexotherapy of patients with trigeminal neuralgia] Filina TF, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):519–25 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the efficacy of various methods of puncture therapy of severe forms of trigeminal neuralgia] Chudnovskiĭ NA. **Zh Vopr Neirokhir** 1983 Nov–Dec; (6):51–3 **(Rus)**

TRIGEMINAL NUCLEI

ANATOMY & HISTOLOGY

Termination areas of primary afferent fibers of the trigeminal nerve in the rat. Matesz C. **Acta Biol Hung** 1983;34(1):31–43

Three-dimensional stereotactic anatomy of the human trigeminal nerve nuclear complex. Afshar F, et al. **Appl Neurophysiol** 1983;46(1–4):147–53

Mesencephalic trigeminal nucleus projections to the spinal cord in the duck. Lucchi ML, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):201–4

Circumventricular mesencephalic trigeminal midline ridge formation in cartilaginous fishes: species variations. MacDonnell MF. **Brain Behav Evol** 1984;24(2–3):124–34

Termination in trigeminal nucleus oralis of ascending intratrigeminal axons originating from neurons in the medullary dorsal horn: an HRP study in the rat employing light and electron microscopy. Falls WM. **Brain Res** 1984 Jan 2;290(1):136–40

Cytoarchitectonic correlates of the vibrissae in the medullary trigeminal complex of the mouse. Ma PM, et al. **Brain Res** 1984 Jul 23;306(1–2):374–9

Neuronal and transneuronal tracing in the trigeminal system of the rat using the herpes virus suis. Martin X, et al. **Brain Res** 1983 Aug 29;273(2):253–76

Vagal afferent C fibers projecting to the lateral descending trigeminal complex of crotaline snakes. Kishida R, et al. **Exp Brain Res** 1984;53(2):315–9

Trigeminal afferents to the diencephalon in the rat. Peschanski M. **Neuroscience** 1984 Jun;12(2):465–87

CYTOLOGY

Soma size comparison of the trigeminal ganglion cells giving rise to the ascending and descending tracts: a horseradish peroxidase study in the cat. Tashiro T, et al. **Exp Neurol** 1984 Apr;84(1):37–46

Birth dates of trigeminal motoneurons and metamorphic reorganization of the jaw myoneural system in frogs. Alley KE, et al. **J Comp Neurol** 1983 Aug 20;218(4):395–405

Somatotopic distribution of trigeminal nociceptive specific neurons within the caudal somatosensory thalamus of cat. Yokota T, et al. **Neurosci Lett** 1983 Aug 29;39(2):125–30

Some observations on the morphological characteristics of oligodendrocytes in the mesencephalic nucleus of the trigeminal nerve of the cat as revealed by the reduced silver

impregnation method. Ogawa Y, et al. **Okajimas Folia Anat Jpn** 1983 Aug;60(2-3):147-59

DRUG EFFECTS

Ethanol-induced modulation of the membrane potential and synaptic activity of trigeminal motoneurons during sleep and wakefulness. Baranyi A, et al. **Brain Res** 1984 Jul 30; 307(1-2):233-45

Oral dyskinesias induced and inhibited by 5-hydroxytryptamine injections into different parts of the rat brain. Sundén-Kuronen B, et al. **Proc Finn Dent Soc** 1984;80(2):67-72

GROWTH & DEVELOPMENT

Maturation and recycling of trigeminal motoneurons in anuran larvae. Barnes MD, et al. **J Comp Neurol** 1983 Aug 20;218(4):406-14

Growth and death of cells of the mesencephalic fifth nucleus in Rana pipiens larvae. Kollros JJ. **J Comp Neurol** 1984 Apr 10;224(3):386-94

IMMUNOLOGY

Substance P immunoreaction and acetylcholinesterase activity in the cornea and Gasserian ganglion. Tervo T, et al. **Ophthalmic Res** 1983;15(6):280-8

METABOLISM

5-HT-Immunoreactive fibers in the trigeminal nuclear complex of the rat. Cropper EC, et al. **Exp Brain Res** 1984; 55(3):515-22

PHYSIOLOGY

The properties of cells in the cat trigeminal main sensory and spinal subnuclei activated by mechanical stimulation of the periodontium. Woda A, et al. **Arch Oral Biol** 1983; 28(5):419-22

A supratrigeminal region implicated in the classically conditioned nictitating membrane response. Desmond JE, et al. **Brain Res Bull** 1983 Jun;10(6):765-73

Effects of neonatal whisker lesions on mouse central trigeminal pathways. Durham D, et al. **J Comp Neurol** 1984 Mar 1;223(3):424-47

Comparison of responses of cutaneous nociceptive and nonnociceptive brain stem neurons in trigeminal subnucleus caudalis (medullary dorsal horn) and subnucleus oralis to natural and electrical stimulation of tooth pulp. Hu JW, et al. **J Neurophysiol** 1984 Jul;52(1):39-53

Spatial and temporal integration in primary trigeminal nucleus of rattlesnake infrared system. Stanford LR, et al. **J Neurophysiol** 1984 May;51(5):1077-90

Rearrangement of neuronal responses in the trigeminal system of the rat following peripheral nerve section. Waite PM. **J Physiol (Lond)** 1984 Jul;352:425-45

Radioautographic study of serotoninergic axon terminals in the rat trigeminal motor nucleus. Schaffar N, et al. **Neurosci Lett** 1984 Jan 27;44(1):31-6

Location and functional organization of trigeminal wide dynamic range neurons within the nucleus ventralis posteromedialis of the cat. Yokota T, et al. **Neurosci Lett** 1983 Sep 9;39(3):231-6

The dynamic properties of trigeminal thermoreceptors following heat-rearing in rats. Young AA, et al. **Pflugers Arch** 1984 Jun;401(2):213-5

PHYSIOPATHOLOGY

Masticatory movements and EMG activity following electrolytic lesions of the trigeminal motor nucleus in growing guinea pigs. Byrd KE. **Am J Orthod** 1984 Aug; 86(2):146-61

Evoked potentials in trigeminal neuralgia. Bennett MH, et al. **Neurosurgery** 1983 Sep;13(3):242-7

An electrophysiological study of canine, premolar and molar tooth pulp afferents and their convergence on medullary trigeminal neurons. Dostrovsky JO. **Pain** 1984 May; 19(1):1-12

ULTRASTRUCTURE

Ultrastructural study of transganglionic degeneration following dental lesions. Johnson LR, et al. **Exp Brain Res** 1983;52(2):226-34

A Golgi Type II neuron in trigeminal nucleus oralis: a Golgi study in the rat. Falls WM. **Neurosci Lett** 1983 Oct 31; 41(1-2):1-7

The relation between soma position and fibre trajectory of neurons in the mesencephalic trigeminal nucleus of Xenopus laevis. Lowe DA, et al. **Proc R Soc Lond [Biol]** 1984 Jun 22;221(1225):437-54

TRIGEMINAL NUCLEUS, SPINAL

ANATOMY & HISTOLOGY

Edinger-Westphal nucleus: cholecystokinin immunocytochemistry and projections to spinal cord and trigeminal nucleus in the cat. Maciewicz R, et al. **Brain Res** 1984 May 7;299(1):139-45

The cells of origin of cat trigeminothalamic projections: especially in the caudal medulla. Shigenaga Y, et al. **Brain Res** 1983 Oct 31;277(2):201-22

Bulbar raphe neurones with projections to the trigeminal nucleus caudalis and the lumbar cord in the rat: a fluorescence double-labelling study. Lovick TA, et al. **Exp Brain Res** 1983;50(2-3):299-308

Studies of the principal sensory and spinal trigeminal nuclei of the rat: projections to the superior colliculus, inferior olive, and cerebellum. Huerta MF, et al. **J Comp Neurol** 1983 Oct 20;220(2):147-67

CYTOLOGY

Soma size comparison of the trigeminal ganglion cells giving rise to the ascending and descending tracts: a horseradish peroxidase study in the cat. Tashiro T, et al. **Exp Neurol** 1984 Apr;84(1):37-46

PHYSIOLOGY

The periaqueductal gray projections to the rat spinal trigeminal, raphe magnus, gigantocellular pars alpha and paragigantocellular nuclei arise from separate neurons. Beitz AJ, et al. **Brain Res** 1983 Dec 12;288(1-2):307-14

Evidence for peripheral, but not central modulation of trigeminal cold receptive cells in the rat. Davies SN. **Brain Res** 1984 Jun 3;301(2):299-305

Topography of spinal, dorsal column nuclear, and spinal trigeminal projections to the pontine gray in rats. Swenson RS, et al. **J Comp Neurol** 1984 Jan 10;222(2):301-11

Activity of trigeminothalamic neurons in medullary dorsal horn of awake monkeys trained in a thermal discrimination task. Bushnell MC, et al. **J Neurophysiol** 1984 Jul; 52(1):170-87

Functional organization of trigeminal subnucleus interpolaris: nociceptive and innocuous afferent inputs, projections to thalamus, cerebellum, and spinal cord, and descending modulation from periaqueductal gray. Hayashi H, et al. **J Neurophysiol** 1984 May;51(5):890-905

Mechanisms regulating the activity of facial nucleus motoneurones—2. Synaptic activation from the caudal trigeminal nucleus. Fanardjian VV, et al. **Neuroscience** 1983 Aug;9(4):823-35

PHYSIOPATHOLOGY

Distribution of substance P-responsive and nociceptive neurones in relation to substance P-immunoreactivity within the caudal trigeminal nucleus of the rat. Salt TE, et al. **Brain Res** 1983 Aug 29;273(2):217-28

TRIGGER POINTS, MYOFASCIAL see MYOFASCIAL PAIN SYNDROMES

TRIGLYCERIDES

Fluorescence polarization order parameters and phase transitions in lipids and lipoproteins. Berlin E, et al. **Biochim Biophys Acta** 1984 Jun 6;794(1):49-55

ADMINISTRATION & DOSAGE

Effects of ketogenic diet on electroconvulsive threshold and brain contents of adenosine nucleotides. Nakazawa M, et al. **Brain Dev** 1983;5(4):375-80

Dietary trilinoelaidate: effects on organ fatty acid composition, prostanoid biosynthesis and platelet function in rats. Bruckner G, et al. **J Nutr** 1984 Jan;114(1):58-67

Effect of fat emulsions containing medium-chain triglycerides and glucose on ketone body production and excretion. Kolb S, et al. **JPEN** 1984 May-Jun;8(3):285-9

Differential effects of medium- and long-chain triglycerides on food intake of normal and diabetic rats. Friedman MI, et al. **Physiol Behav** 1983 Dec;31(6):851-5

[Effects of diets containing medium-chain and long-chain triacylglycerols in the genetically obese Zucker fa/fa rat. Composition of fatty acids and triacylglycerols of the liver and adipose tissues] Kinkela T, et al. **Ann Nutr Metab** 1983; 27(5):404-14 (Eng. Abstr.) **(Fre)**

[Effect of the replacement of a part of the tallow in a milk supply with tricaprylin or coconut oil on the use of energy and nitrogen by the preruminant calf] Aurousseau B, et al. **Reprod Nutr Dev** 1984;24(3):265-79 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Triacylglycerol structure and the atherogenicity of peanut oil. **Nutr Rev** 1983 Oct;41(10):322-3

ANALYSIS

Acyl pattern of adipose tissue triglycerides, plasma free fatty acids, and diet of a group of men participating in a primary coronary prevention program (the Oslo Study). Jacobsen BK, et al. **Am J Clin Nutr** 1983 Dec;38(6):906-13

Free fatty acid and triglyceride content of Mycobacterium avium cultured under different growth conditions. McCarthy CM. **Am Rev Respir Dis** 1984 Jan;129(1):96-100

Serum lipids during treatment with glucose-insulin-potassium in myocardial infarction. Kirkeby OJ, et al. **Basic Res Cardiol** 1983 Nov-Dec; 78(6):601-3

Analysis of triacylglycerols by reversed-phase high pressure liquid chromatography with direct liquid inlet mass spectrometry. Marai L, et al. **Can J Biochem Cell Biol** 1983 Aug;61(8):840-9

Lung surfactants. II. Effects of fatty acids, triacylglycerols and protein on the activity of lung surfactant. Tanaka Y, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4100-9

Effect of milk & its culture products on the plasma & organ lipids in rats. Chawla K, et al. **Indian J Med Res** 1984 Mar;79:418-25

Surface-to-core and interparticle equilibrium distributions of triglyceride-rich lipoprotein lipids. Miller KW, et al. **J Biol Chem** 1983 Nov 25;258(22):13772-84

Quantitation of natural triacylglycerols by reversed-phase liquid chromatography with direct liquid inlet mass spectrometry. Myher JJ, et al. **J Chromatogr** 1984 Jan 20; 283:289-301

Relationship between fatty acid composition and triglyceride structure of bovine milk fat. Parodi PW. **J Dairy Res** 1983 Nov;50(4):443-7

Distribution of trans-octadecenoic acid in the major glycerolipids of human milk. Hundrieser KE, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):635-9

Fatty acid composition of triglycerides from adipose tissue transplanted between obese and lean mice. Enser M, et al. **Lipids** 1983 Nov;18(11):776-80

Stereospecific analysis of triglycerides of Glycine max, Glycine soya, Avena sativa and Avena sterilis strains. Pan WP, et al. **Lipids** 1983 Dec;18(12):882-8

The amount of arachidonic acid in the triacylglycerols of perfused hamster lungs is increased by prednisolone. Puustinen T, et al. **Prostaglandins** 1983 Aug;26(2):155-63

[Triglycerides and phospholipids - relation to fertility] Kulka P, et al. **Andrologia** 1984 Jan-Feb;16(1):48-51 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Triacylglycerol synthesis in goat mammary gland. The effect of ATP, $Mg2+$ and glycerol 3-phosphate on the esterification of fatty acids synthesized de novo. Hansen HO, et al. **Biochem J** 1984 Jun 1;220(2):513-9

Triacylglycerol synthesis in goat mammary gland. Factors influencing the esterification of fatty acids synthesized de novo. Hansen HO, et al. **Biochem J** 1984 Jun 1;220(2):521-7

Concomitant increase in hepatic triacylglycerol biosynthesis and cytosolic fatty-acid-binding-protein content after feeding rats with a cholestyramine-containing diet. Kempen HJ, et al. **Biochem J** 1983 Nov 15;216(2):511-4

Fatty acids reverse the cyclic AMP inhibition of triacylglycerol and phosphatidylcholine synthesis in rat hepatocytes. Pelech SL, et al. **Biochem J** 1983 Oct 15; 216(1):129-36

The biosynthesis of triacylglycerols in microsomal preparations of developing cotyledons of sunflower (Helianthus annuus L.). Stymne S, et al. **Biochem J** 1984 Jun 1;220(2):481-8

The effect of fatty acid exposure on the biosynthesis of glycerolipids by cultured hepatocytes. Lamb RG, et al. **Biochim Biophys Acta** 1983 Oct 11;753(3):356-63

A comparison of the rates of incorporation of fatty acids during the rapid synthesis in vitro of endogenous triacylglycerols by neuronal nuclei. Baker RR, et al. **Can J Biochem Cell Biol** 1983 Dec;61(12):1265-71

An increased incorporation of fatty acid into triacylglycerols of neuronal nuclei in vitro in the presence of CMP and EGTA. Baker RR, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):379-84

Androgenic control of acetate incorporation into phospholipids and triacylglycerols in rat ventral prostate. Del Hoyo, et al. **Comp Biochem Physiol [B]** 1984; 78(1):299-302

In vitro effect of ethanol on the synthesis of triacylglycerol in hepatic cytoplasmic lipid droplets. Kondrup J. **Dan Med Bull** 1984 Apr;31(2):109-20 (110 ref.)

Triacylglycerol biosynthesis in human small intestinal mucosa. Acyl-CoA: monoglyceride acyltransferase. Bierbach H. **Digestion** 1983;28(2):138-47

Triglyceride metabolism in human liver: studies on hepatic phosphatidic-acid phosphatase in obese and non-obese subjects. Björkhem I, et al. **Eur J Clin Invest** 1984 Jun; 14(3):233-7

Development of brown fat cells in monolayer culture. I. Morphological and biochemical distinction from white fat cells in culture. Néchad M, et al. **Exp Cell Res** 1983 Nov; 149(1):105-18

Possible influence of free functional groups in the chain on the bio-esterification of fatty acids to triglycerides in nature. Kartha AR, et al. **Indian J Biochem Biophys** 1983 Aug;20(4):226-7

Control of triglyceride synthesis by the intracellular level of long-chain acyl coenzyme A for lipid synthesis. Kamiryo T. **J Bacteriol** 1983 Oct;156(1):447-9

Biosynthesis of triglyceride and other fatty acyl esters by developing rat brain. Bishop JE, et al. **J Neurochem** 1984 Oct;43(4):1046-51

Electron microscopic study of aberrant lipogenesis in the cornea. Tanaka M, et al. **Jpn J Ophthalmol** 1983; 27(2):289-304

BLOOD

An investigative analysis of plasma lipid in 535 healthy children. Huang XX, et al. **Acta Acad Med Wuhan** 1984; 4(2):127-8

High density lipoprotein cholesterol in insulin-dependent diabetic children. Carvajal F, et al. **Acta Diabetol Lat** 1983 Oct-Dec;20(4):289-95

Fasting serum cholesterol and triglycerides in a ten-year prospective study in old age. Agner E, et al. **Acta Med Scand** 1983;214(1):33–41

Levels of linoleic acid and saturated and monounsaturated fatty acids in selected lipid fractions of the serum and platelets in patients with coronary arterial disease. Grójec M, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):5–10

Effects of walking upon plasma lipids in hyperlipidemic patients. Phillipson BE. **Ala Med** 1983 Nov;53(5):15, 17–8

Alcohol-induced changes in lipids and lipoproteins. Gandhi BM, et al. **Alcoholism (NY)** 1984 Jan–Feb;8(1):29–32

Influence of type and amount of dietary lipid on plasma lipid concentrations in endurance athletes. Lukaski HC, et al. **Am J Clin Nutr** 1984 Jan;39(1):35–44

Effects of a lacto-ovo vegetarian diet on serum concentrations of cholesterol, triglyceride, HDL-C, HDL2-C, HDL3-C, apoprotein-B, and Lp(a). Masarei JR, et al. **Am J Clin Nutr** 1984 Sep;40(3):468–78

Favorable effects of L-carnitine treatment on hypertriglyceridemia in hemodialysis patients: decisive role of low levels of high-density lipoprotein-cholesterol. Vacha GM, et al. **Am J Clin Nutr** 1983 Oct;38(4):532–40

Fasting plasma glucose, uric acid, and triglycerides as predictors of the ratio of total cholesterol to HDL-C. Philippi T, et al. **Am J Clin Pathol** 1984 Sep;82(3):329–32

Effects of alpha- and beta-blocker antihypertensive therapy on blood lipids: a multicenter trial. Goto Y. **Am J Med** 1984 Feb 27;76(2A):72–8

Comparative effects of propranolol and prazosin upon serum lipids in thiazide- treated hypertensive patients. Johnson BF, et al. **Am J Med** 1984 Feb 27;76(2A):109–12

Effects of prazosin and propranolol on serum lipids in patients with essential hypertension. Lowenstein J, et al. **Am J Med** 1984 Feb 27;76(2A):79–84

Diet-induced changes in serum transaminase and triglyceride levels in healthy adult men. Role of sucrose and excess calories. Porikos KP, et al. **Am J Med** 1983 Oct; 75(4):624–30

C-II anapolipoproteinemia and severe hypertriglyceridemia. Report of a rare case with absence of C-II apolipoprotein isoforms and review of the literature. Saku K, et al. **Am J Med** 1984 Sep;77(3):457–62

Amperometric determination of glycerol and triglycerides using an oxygen electrode. Kelly TA, et al. **Analyst** 1984 Apr;109(4):453–6

Pityriasis rubra pilaris [letter] Kohn SR. **Arch Dermatol** 1984 Aug;120(8):995

Changes in plasma cholesterol and triglyceride levels after treatment with oral isotretinoin. A prospective study. Zech LA, et al. **Arch Dermatol** 1983 Dec;119(12):987–93

Eggs, serum lipids, emotional stress, and blood pressure in medical students. Flynn MA, et al. **Arch Environ Health** 1984 Mar–Apr;39(2):90–5

Effect of a semipurified product obtained from Opuntia streptacantha L. (a cactus) on glycemia and triglyceridemia of rabbit. Ibáñez-Camacho R, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):437–43 **(Eng, Spa)**

Treatment of hypertriglyceridemia. NIH Consensus Development Conference summary. **Arteriosclerosis** 1984 May–Jun;4(3):296–301

Plasma triglyceride determines structure–composition in low and high density lipoproteins. Deckelbaum RJ, et al. **Arteriosclerosis** 1984 May–Jun;4(3):225–31

Plasma and lipoprotein cholesterol and triglyceride in the Pima Indian population. Comparison of diabetics and nondiabetics. Howard BV, et al. **Arteriosclerosis** 1984 Sep–Oct;4(5):462–71

High density lipoprotein in octogenarians. Ron D, et al. **Biochem Med** 1983 Oct;30(2):253–60

Effects of ethyl-CPIB (clofibrate) on tissue lipoprotein lipase and plasma post-heparin lipolytic activity in rats. Odonkor JM, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1337–41

Plasma triacylglycerol secretion in sheep. Paradoxical effects of fasting and alloxan diabetes. Mamo JC, et al. **Biochim Biophys Acta** 1983 Sep 20;753(2):272–5

Effect of long-term marginal vitamin C deficiency on plasma triglyceride kinetics in guinea-pigs. Bobek P, et al. **Biomed Biochim Acta** 1983;42(4):413–6

Mono-, di- and triglycerides in serum of spontaneously hypertensive and normotensive rats in relation to age. Singer P, et al. **Biomed Biochim Acta** 1984;43(2):233–5

Lipid abnormalities in workers exposed to dioxin. Martin JV. **Br J Ind Med** 1984 May;41(2):254–6

Can amiodarone induce hyperglycaemia and hypertriglyceridaemia? Politi A, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):285

Plasma and lipoprotein cholesterol and triglyceride concentrations in the Pima Indians: distributions differing from those of Caucasians. Howard BV, et al. **Circulation** 1983 Oct;68(4):714–24

Influence of free glycerol on enzymic evaluation of triglycerides [letter] ter Welle HF, et al. **Clin Chem** 1984 Jun;30(6):1102–3

Effects of smoking on oral fat tolerance and high density lipoprotein cholesterol. Elkeles RS, et al. **Clin Sci** 1983 Dec;65(6):669–72

An inverse relationship between plasma carnitine and triglycerides in selected Macaca arctoides and Macaca nemistrina fed a low-fat chow diet. Bell FP, et al. **Comp Biochem Physiol [B]** 1984;78(2):311–4

Genetic analysis of the relationships between ischaemic heart disease and the blood lipid level. Tursunov SY, et al. **Cor Vasa** 1984;26(2):96–104

Effects of indapamide and various diuretics alone or combined with beta-blockers on serum lipoproteins. Weidmann P, et al. **Curr Med Res Opin** 1983;8 Suppl 3:123–34

The response of plasma triglyceride, cholesterol, and lipoprotein lipase to treatment in non-insulin-dependent diabetic subjects without familial hypertriglyceridemia. Pfeifer MA, et al. **Diabetes** 1983 Jun;32(6 Pt 1):525–31

The role of circulating glucose and triglyceride concentrations and their interactions with other 'risk factors' as determinants of arterial disease in nine diabetic population samples from the WHO multinational study. West KM, et al. **Diabetes Care** 1983 Jul–Aug;6(4):361–9

Diurnal changes in serum triglycerides as related to changes in lipolytic enzymes, (apo) lipoproteins and hormones in normal subjects on a carbohydrate-rich diet. Mirani-Oostdijk CP, et al. **Eur J Clin Invest** 1983 Aug; 13(4):301–9

Liver glycerokinase deficiency in man with hyperglycerolaemia and hypertriglyceridaemia. Pometta D, et al. **Eur J Clin Invest** 1984 Apr;14(2):103–6

Serum lipids and proteins during treatment with a new oral contraceptive combination containing desogestrel. Penttilä IM, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec; 16(4):275–81

The influence of exercise on the concentrations of triglyceride and cholesterol in human plasma. Haskell WL. **Exerc Sport Sci Rev** 1984;12:205–44 (186 ref.)

Insulin resistance in diabetics and non-diabetics with impaired triglyceride removal. Julius U, et al. **Exp Clin Endocrinol** 1984 Apr;83(2):225–30

Hyperlipidemia: reducing the chances of cardiovascular disease. Nash DT. **Geriatrics** 1984 Jul;39(7):99–100, 103–4,108–9 passim

Lipoproteins, insulin and glycaemic control in diabetes. Bell PM, et al. **Horm Metab Res** 1984 May;16(5):262–3

Why does experimental insulin deficiency lead to a decrease in removal of very low density-triglyceride from plasma? Verschoor L, et al. **Horm Metab Res** 1984 Feb;16(2):88–91

Inhibition of carbohydrate-induced hypertriglyceridemia by metformin. Zavaroni I, et al. **Horm Metab Res** 1984 Feb; 16(2):85–7

Lipid profile in patients with myocardial infarction from the city of Bombay. Taskar SP, et al. **Indian Heart J** 1983 May–Jun;35(3):169–71

A study of familial combined hyperlipidemia in 11 families. Das SK, et al. **Indian J Med Res** 1983 Nov;78:665–9

Black-white differences in high density lipoproteins, apolipoproteins, and triglycerides: relationships to coronary heart disease in non-uremic populations and in uremic subjects receiving hemodialysis. First MR, et al. **Int J Artif Organs** 1983 Sep;6(5):233–4

Decreased removal of triglycerides from the blood--a mechanism for the hypertriglyceridemia in male patients with coronary artery disease. Tollin C, et al. **Int J Cardiol** 1984 Feb;5(2):185–94

Glycerol oxidase, a novel copper hemoprotein from Aspergillus japonicus. Molecular and catalytic properties of the enzyme and its application to the analysis of serum triglycerides. Uwajima T, et al. **J Biol Chem** 1984 Mar 10;259(5):2748–53

Reagent for the enzymatic determination of serum total triglycerides with improved lipolytic efficiency. Nägele U, et al. **J Clin Chem Clin Biochem** 1984 Feb;22(2):165–74

The theory of reference values Part 5. Statistical treatment of collected reference values. Determination of reference limits. Solberg HE. **J Clin Chem Clin Biochem** 1983 Nov; 21(11):749–60

Elevated plasma triglyceride levels are associated with human protoporphyria. Poh-Fitzpatrick MB, et al. **J Lab Clin Med** 1984 Aug;104(2):257–63

Studies on the mechanism of hypertriglyceridemia in the genetically obese Zucker rat. Wang CS, et al. **J Lipid Res** 1984 Jun;25(6):571–9

Effect of voluntary running exercise on hypertriacylglycerolemic effect of sucrose in relation to its feeding timing in rats. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):663–70

Hypertriglyceridemia during the intravenous infusion of a safflower oil-based fat emulsion. Cooke RJ, et al. **J Pediatr** 1983 Dec;103(6):959–61

Triglycerides, free fatty acids, free fatty acids/albumin molar ratio, and cholesterol levels in serum of neonates receiving long-term lipid infusions: controlled trial of continuous and intermittent regimens. Kao LC, et al. **J Pediatr** 1984 Mar; 104(3):429–35

Serum triglyceride concentrations in neonates receiving fat emulsions intravenously [letter] Karp WB, et al. **J Pediatr** 1984 Jul;105(1):173–4

Lipid composition of plasma lipoproteins in treated diabetics. Nerurkar SV, et al. **J Postgrad Med** 1983 Oct;29(4):201–11

Plasma lipids and lipoproteins in treated diabetics. Retnam VJ, et al. **J Postgrad Med** 1983 Oct;29(4):193–200

Consensus conference: Treatment of hypertriglyceridemia. **JAMA** 1984 Mar 2;251(9):1196–200

Influence of gemfibrozil and clofibrate on metabolism of cholesterol and plasma triglycerides in man. Kesäniemi YA, et al. **JAMA** 1984 May 4;251(17):2241–6

Familial aggregation of lipids and lipoproteins and early identification of dyslipoproteinemia. The Collaborative Lipid Research Clinics Family Study. Morrison JA, et al. **JAMA** 1983 Oct 14;250(14):1860–8

Reference values for plasma lipids and lipoproteins [letter] Zanella A. **JAMA** 1984 Jul 20;252(3):343–4

Fat elimination in parenterally fed low birth weight infants during the first two weeks of life. Paust H, et al. **JPEN** 1983 Nov–Dec;7(6):557–9

Changes of serum total cholesterol and triglyceride levels in normal subjects in Japan in the past twenty years. Research committee on familial hyperlipidemia in Japan. Sekimoto H, et al. **Jpn Circ J** 1983 Dec;47(12):1351–8

Ethanol consumption and serum lipid profiles in Sinclair(S-1) miniature swine. Foudin L, et al. **Life Sci** 1984 Feb 27; 34(9):819–26

Plasma triacylglycerol turnover in rats using labeled glycerol. Baker N. **Lipids** 1984 Feb;19(2):139–41

Kinetic analysis of plasma VLDL-TG and VLDL-remnant-TG turnover in anesthetized rats. Bickerstaffe R, et al. **Lipids** 1983 Aug;18(8):501–9

Long-term post-menopausal hormone therapy and serum HDL-C, total cholesterol and triglycerides. Vilska S, et al. **Maturitas** 1983 Aug;5(2):97–104

The effect of diabetic control on very low-density lipoprotein--triglyceride metabolism in patients with type II diabetes mellitus and marked hypertriglyceridemia. Dunn FL, et al. **Metabolism** 1984 Feb;33(2):117–23

Very low-density lipoprotein metabolism in an unusual case of lipoatrophic diabetes. Franklin B, et al. **Metabolism** 1984 Sep;33(9):814–9

A new model of human VLDL metabolism based on simultaneous studies of its APOB and triglyceride. Steiner G, et al. **Metabolism** 1983 Apr;32(4):342–7

Sex differences in the effect of diabetes mellitus on lipoprotein triglyceride and cholesterol concentrations. Walden CE, et al. **N Engl J Med** 1984 Oct 11;311(15):953–9

High dose of L-carnitine increases platelet aggregation and plasma triglyceride levels in uremic patients on hemodialysis. Weschler A, et al. **Nephron** 1984;38(2):120–4

The standardization of measurements of serum lipids for an epidemiologic study of stroke. Baba T, et al. **Nippon Eiseigaku Zasshi** 1983 Jun;38(2):606–13

Effects of oral contraceptives on lipoprotein lipids: a prospective study. Powell MG, et al. **Obstet Gynecol** 1984 Jun;63(6):764–70

Test and teach. Number forty-one. Diagnosis: hypertriglyceridemia with pseudohyponatremia in acute or chronic alcoholism; multiple myeloma with pseudohyponatremia, decreased anion gap and hypercalcemia. Pain RW. **Pathology** 1983 Jul;15(3):233, 331–4

Food intake and blood fuels after oil consumption: differential effects in normal and diabetic rats. Ramirez I, et al. **Physiol Behav** 1983 Dec;31(6):847–50

The effect of renal transplantation with a minimal steroid regime on uraemic hypertriglyceridaemia. Turgan C, et al. **Q J Med** 1984 Spring;53(210):271–7

Decreased PaO2 in patients with hypertriglyceridemia [letter] Robertson HT. **Respiration** 1983;44(5):396

Method for triglyceride measurement in small amounts of plasma. Ramírez JI, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):327–31

Effects of tendamistate on postprandial plasma glucose, free fatty acid and triglyceride levels. Meyer BH, et al. **S Afr Med J** 1984 Aug 11;66(6):224–5

Increased plasma and aortic triglycerides in rabbits after acute administration of 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lovati MR, et al. **Toxicol Appl Pharmacol** 1984 Aug; 75(1):91–7

Serum cholesterol and triglycerides in childhood nephrotic syndrome in northern Nigeria. A preliminary report. Abdurrahman MB, et al. **Trop Geogr Med** 1984 Mar; 36(1):7–11

Are fasting serum triglyceride concentrations sufficient for determining the risk factor status of hypertriglyceridaemia for atherosclerotic vascular diseases? Schmahl FW, et al. **Vasa** 1983;12(4):353–6

[Serum cholesterol, triglyceride and beta-lipoprotein in healthy urban and rural inhabitants] Zhuang HZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec; 11(4):265–8 (Eng. Abstr.) **(Chi)**

[Hormones of the thyroid gland and lipid metabolism during pregnancy] Sobotka J, et al. **Cesk Gynekol** 1984 Jun; 49(5):324–8 (Eng. Abstr.) **(Cze)**

[Reference values of plasma and lipoprotein cholesterol and triacylglycerols in healthy children] Lambert D, et al. **Arch Fr Pediatr** 1984 Feb;41(2):145–50 (Eng. Abstr.) **(Fre)**

[Diabetic hypertriglyceridemia. Treatment by plasma exchange? (letter)] Canivet B. **Presse Med** 1983 Dec 10; 12(45):2887 **(Fre)**

[Comparative studies between median blood sugar, hemoglobin A, triglycerides and C-peptide in normal-weight insulin and non-insulin dependent diabetics] Stradner F, et al. **Wien Med Wochenschr** 1983 Sep 30; 133(18):459–61 (Eng. Abstr.) **(Ger)**

[Fully automatic determination of serum triglycerides using the flow principle] Herrmann W, et al. **Z Med Lab Diagn** 1983;24(8):445–50 (Eng. Abstr.) **(Ger)**

[Clinical and biological significance of the correlation between glycosylated hemoglobin, blood uric acid and blood triglycerides] Proto G, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):385–91 (Eng.

Abstr.) (Ita)
[Changes induced by parturition in serum cholesterol and triglycerides in obese and normal weight women] Marrocco W, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30; 59(7):971–6 (Eng. Abstr.) (Ita)
[Lipid-loading tests using various dietary lipids in human subjects: changes in total blood cholesterol, triglycerides and fatty acids. III] Cocchi M, et al. **G Clin Med** 1984 Feb;65(2):109–16 (Eng. Abstr.) (Ita)
[Study of the lipid levels in a case load of psoriatic patients] Peserico A, et al. **G Ital Dermatol Venereol** 1982 Jan–Feb; 117(1):15–7 (Eng. Abstr.) (Ita)
[Effect of guar on the variations of blood triglycerides after a test meal and after acute administration of medium chain triglycerides] Catenazzo G, et al.
Minerva Dietol Gastroenterol 1983 Oct–Dec;29(4):307–12 (Eng. Abstr.) (Ita)
[The lipid profile in the first 5 months of life. Comparative analysis based on the type of milk feeding] Oggero R, et al. **Minerva Pediatr** 1984 Jan 31;36(1–2):31–8 (Eng. Abstr.) (Ita)
[Effects of pulsatile cardiopulmonary bypass on carbohydrate and lipid metabolism] Mori A, et al.
Nippon Kyobu Geka Gakkai Zasshi 1983 Nov;31(11):2043–8 (Eng. Abstr.) (Jpn)
[Simple obesity and abnormal lipid metabolism] Kuzuya F. **Nippon Rinsho** 1983 Aug;41(8):1838–44 (Jpn)
[Diabetes mellitus and lipid metabolism] Kuzuya T.
Nippon Rinsho 1983 Aug;41(8):1850–4 (Jpn)
[Thyroid diseases and lipid metabolism] Yukimura Y, et al.
Nippon Rinsho 1983 Aug;41(8):1855–60 (Jpn)
[The influence of weight changes in pregnancy and postpartum on serum total cholesterol and triglyceride] Mizuno O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):736–40 (Eng. Abstr.) (Jpn)
[Cardiovascular diseases and clinical laboratory examination. (4). Metabolic abnormalities in hypertension and their modification by antihypertensive drugs] Ebihara A.
Rinsho Byori 1983 Oct;31(10):1073–7 (18 ref.) (Jpn)
[Application of Ti(IV)–4–(2–pyridylazo)resorcinol reagent to the assay of biological substances. A spectrophotometric determination of triglycerides in the serum using lipoprotein lipase, acyl CoA synthetase and acyl CoA oxidase] Matsubara C, et al. **Yakugaku Zasshi** 1983 Aug; 103(8):884–8 (Eng. Abstr.) (Jpn)
[Cholesterol, triglyceride and apolipoprotein concentrations in the serum and lipoprotein fractions in the first trimester of normal pregnancy and threatened abortion] Marianowski L, et al. **Ginekol Pol** 1984 Mar;55(3):177–84 (Eng. Abstr.) (Pol)
[Serum cholesterol and triglyceride levels and the incidence of hypercholesterolemia and hypertriglyceridemia among 7- and 8-year-old boys in Warsaw] Charzewska J, et al. **Pediatr Pol** 1983 Feb;58(2):121–6 (Eng. Abstr.) (Pol)
[Effect of phenofibrate on serum cholesterol and triglyceride concentration in patients with primary hyperlipoproteinemia] Cieślicka T, et al.
Pol Arch Med Wewn 1983 Nov–Dec;70(5–6):223–9 (Eng. Abstr.) (Pol)
[Effect of hypertriglyceridemia and its treatment on tetracycline pharmacokinetics] Gawrońska-Szklarz B, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):295–8 (Eng. Abstr.) (Pol)
[Serum vitamin E, cholesterol and triglyceride concentrations in patients with acute hepatic porphyria and porphyria cutanea tarda] Ostrowski J, et al. **Pol Tyg Lek** 1984 Jan 16;39(3):87–9 (Eng. Abstr.) (Pol)
[Primary hyperlipoproteinemia in its clinical and laboratory aspects. VII. Phonoangiographic study] Szmatloch E, et al. **Przegl Lek** 1984;41(2):213–6 (Eng. Abstr.) (Pol)
[Spontaneous variations of lipid fractions in normal and hyperlipidemic patients] Forti N, et al.
Arq Bras Cardiol 1984 Mar;42(3):177–81 (Eng. Abstr.) (Por)
[Effect of various physiological and biochemical factors on ischemic heart disease in the 40–59-year-old male population] Smirnova IP. **Kardiologiia** 1983 Nov; 23(11):103–6 (Rus)
[Vitamin E and serum lipids in ischemic heart disease] Cherniauskene RCh, et al. **Vopr Med Khim** 1984 May–Jun; 30(3):102–5 (Eng. Abstr.) (Rus)
[Hypolipidemic activity of glycine and its derivatives] Ryzhenkov VE, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):78–80 (Eng. Abstr.) (Rus)
[Hypertriglyceridemia in patients on hemodialysis. Charges with various therapeutic regimens] Barril G, et al.
Rev Clin Esp 1983 Dec 15;171(5):341–5 (Eng. Abstr.) (Spa)
[Hypertriglyceridemia in infectious mononucleosis] Rivera JM, et al. **Rev Clin Esp** 1984 Feb 15;172(3):135–6 (Eng. Abstr.) (Spa)

GENETICS

The Collaborative Lipid Research Clinics Program Family Study. III. Transformations and covariate adjustments of lipid and lipoprotein levels. Green PP, et al.
Am J Epidemiol 1984 Jun;119(6):959–74
The Collaborative Lipid Research Clinics Program Family Study. IV. Familial associations of plasma lipids and lipoproteins. Namboodiri KK, et al. **Am J Epidemiol** 1984 Jun;119(6):975–96
Cultural and biological inheritance of plasma lipids. Rao DC, et al. **Am J Phys Anthropol** 1983 Sep;62(1):33–49

METABOLISM

Effect of hypothermia on lipolytic processes in blood and adipose tissue of rat. Gryczka-Dziadecka A.
Acta Physiol Pol 1983 Jul–Aug;34(4):457–65
Apoprotein C effect on triglyceride transport in tandem-perfused rat hind end and liver. Kortz WJ, et al.
Am J Physiol 1984 Sep;247(3 Pt 1):G305–10
Comparison of glucose, LCT, and LCT plus MCT as calorie sources for parenterally nourished rats. Stein TP, et al.
Am J Physiol 1984 Mar;246(3 Pt 1):E277–87
Hyperinsulinemia and in vivo very-low-density lipoprotein-triglyceride kinetics. Steiner G, et al.
Am J Physiol 1984 Feb;246(2 Pt 1):E187–92
Very low density lipoproteins promote triglyceride accumulation in macrophages. Bates SR, et al.
Arteriosclerosis 1984 Mar–Apr;4(2):103–14
Microsomal and lysosomal enzymes of triacylglycerol metabolism in rat placenta. Coleman RA, et al.
Biochem J 1984 Jan 15;217(2):391–7
Effect of monolayer lipid structure and composition on the lipoprotein lipase-catalyzed hydrolysis of triacylglycerol. Demel RA, et al. **Biochim Biophys Acta** 1984 May 11; 793(3):399–407
Apolipoprotein C-II deficiency. The role of apolipoprotein C-II in the hydrolysis of triacylglycerol-rich lipoproteins. Haberbosch W, et al. **Biochim Biophys Acta** 1984 Mar 27; 793(1):49–60
Post-heparin plasma hepatic triacylglycerol lipase-catalyzed tributyrin hydrolysis. Effect of trypsin treatment. Shirai K, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):9–14
Post-heparin plasma hepatic triacylglycerol lipase-catalyzed hydrolysis of tributyrin. Effect of lipid interface. Shirai K, et al. **Biochim Biophys Acta** 1984 Aug 15;795(1):1–8
Energy metabolism of medium-chain triglycerides versus carbohydrates during exercise. Décombaz J, et al.
Eur J Applied Physiol 1983;52(1):9–14
Muscle and liver glycogen, protein, and triglyceride in the rat. Effect of exercise and of the sympatho-adrenal system. Richter EA, et al. **Eur J Applied Physiol** 1984;52(3):346–50
Triacylglycerol secretion and fatty acid synthesis by the liver in acute uremic rats. Hohenegger M, et al. **Exp Pathol** 1984; 25(2):89–95
The ileal brake—inhibition of jejunal motility after ileal fat perfusion in man. Spiller RC, et al. **Gut** 1984 Apr; 25(4):365–74
Effect of medroxyprogesterone acetate on hepatic lipid profile of female rats under various states of nutrition. Malik V, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec; 27(4):323–8
Sequential assembly of very low density lipoprotein apolipoproteins, triacylglycerol, and phosphoglycerides by the intact liver cell. Janero DR, et al. **J Biol Chem** 1983 Dec 10;258(23):14496–504
Modulation by glycerol of hepatic glycero-3-phosphate concentration, ketogenesis, and output of triglyceride and glucose in perfused livers from hyperthyroid and euthyroid rats. Olubadewo J, et al. **J Biol Chem** 1984 Jul 25; 259(14):8857–62
A triglyceride and cholesteryl ester transfer protein associated with liver microsomes. Wetterau JR, et al.
J Biol Chem 1984 Sep 10;259(17):10863–6
Effects of alcohol on plasma lipoproteins and cholesterol and triglyceride metabolism in man. Crouse JR, et al.
J Lipid Res 1984 May;25(5):486–96
Role of triglycerides in endothelial cell arachidonic acid metabolism. Denning GM, et al. **J Lipid Res** 1983 Aug; 24(8):993–1001
Ethanol treatment increases triacylglycerol and cholesteryl ester content of cultured hepatoma cells. Polokoff MA, et al. **J Lipid Res** 1983 Aug;24(8):1030–8
Effect of dietary cadmium on serum and liver lipids in mice in relation to interaction of essential metals, zinc, copper and iron. Sugawara N. **J Toxicol Sci** 1984 Feb;9(1):29–36
Dual defect in metabolism of very-low-density lipoprotein triglycerides. Patients with type 5 hyperlipoproteinemia. Kesaniemi YA, et al. **JAMA** 1984 May 18;251(19):2542–7
Effects of exogenous catecholamines on glucose and fat metabolism and on triglycerides in the rat liver during total parenteral nutrition. Iriyama K, et al. **JPEN** 1984 Jul–Aug; 8(4):412–5
Hepatic origin of triglycerides in fatty livers produced by the continuous intragastric infusion of an ethanol diet. Tsukamoto H, et al. **Lipids** 1984 Jun;19(6):419–22
Preface to exercise and triacylglycerol metabolism. Oscai LB.
Med Sci Sports Exerc 1983;15(4):330
Type L hormone-sensitive lipase hydrolyzes endogenous triacylglycerols in muscle in exercised rats. Oscai LB.
Med Sci Sports Exerc 1983;15(4):336–9
The role of the adrenal gland in ethanol-induced triglyceride mobilization. Soliman KF, et al. **Pharmacology** 1984; 29(2):94–8
Metabolism of apolipoproteins B-48 and B-100 of triglyceride-rich lipoproteins in normal and lipoprotein lipase-deficient humans. Stalenhoef AF, et al.
Proc Natl Acad Sci USA 1984 Mar;81(6):1839–43
Prostaglandin E2 and prostaglandin F2 regulation of triglyceride levels in uterine smooth muscle from restricted-diet estrous and diestrous rats. Sterin AB, et al.
Prostaglandins Leukotrienes Med 1984 Jun;14(3):391–401
Protein and fat metabolism of hepatocytes from hyperosmolar non-ketotic diabetic rats. Silove M, et al. **S Afr Med J** 1984 Apr 7;65(14):566–7
Effect of ursodeoxycholic acid treatment on intestinal absorption of triglycerides in man. Einarsson K, et al.
Scand J Gastroenterol 1984 Mar;19(2):283–8
[Lipid metabolism in newborn infants of various gestational ages and birth weights—longitudinal study. III. Triglycerides] Springer S, et al. **Padiatr Grenzgeb** 1984; 23(2):61–70 (Eng. Abstr.) (Ger)
[Digestion and absorption of lipids] Okuda K, et al.
Nippon Rinsho 1983 Aug;41(8):1733–8 (Jpn)
[Anti-hyperlipidemic effect of iodine eggs: studies on the mechanism of its action] Kaji K, et al.
Nippon Yakurigaku Zasshi 1984 May;83(5):451–7 (Eng. Abstr.) (Jpn)
[Dynamics of changes in pulmonary catecholamine content and lipid fatty acid composition in traumatic shock] Nikolaev VE, et al. **Biull Eksp Biol Med** 1984 Mar; 97(3):283–4 (Eng. Abstr.) (Rus)
[Effect of a diet with various amounts of essential fatty acid on the fatty acid spectrum of lipids in the kidneys in spontaneously hypertensive rats] Markov KhM, et al.
Vopr Med Khim 1984 Mar–Apr;30(2):47–52 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of equimolar amounts of long-chain triglycerides and medium-chain triglycerides on plasma cholecystokinin and gallbladder contraction. Hopman WP, et al.
Am J Clin Nutr 1984 Mar;39(3):356–9
Comparison of the effects of medium and long chain triglyceride containing liquid meals on gall bladder and small intestinal function in normal man. Ladas SD, et al.
Gut 1984 Apr;25(4):405–11
Medium-chain triglyceride diet and obesity [letter] Geliebter A, et al. **Int J Obes** 1984;8(2):191–2
Counteractive effects of propionate or 1,2-propanediol against hypoglycemia and ketonemia of tributyrin-treated cows. Hamada T, et al. **J Dairy Sci** 1984 Jul;67(7):1452–6
Response of normal and diabetic rats to increasing dietary medium-chain triglyceride content. Edens NK, et al.
J Nutr 1984 Mar;114(3):565–73
Parenteral fat emulsions and immune adherence. The effects of triglycerides on red cell and neutrophil immune adherence in vitro and in vivo. Siegel I, et al. **JAMA** 1984 Mar 23–30;251(12):1574–9
Gastroenteropancreatic hormones in normal and gestational-diabetic pregnancy: response to oral lipid. Hornnes PJ, et al. **Metabolism** 1984 Apr;33(4):304–8
[Intravenous infusions of fat emulsions containing medium and long-chain triglycerides have no effect on basal and secretin stimulated pancreatic secretion in man] Niederau C, et al. **Z Gastroenterol** 1984 Jan;22(1):42–6 (Eng. Abstr.) (Ger)

SECRETION

Effect of in vivo plasma insulin levels on the relationship between perfusate free fatty acid concentration and triglyceride secretion by perfused rat livers. Reaven GM, et al. **Horm Metab Res** 1984 May;16(5):230–2
Studies on fat digestion, absorption, and transport in the suckling rat. IV. In vivo rates of triacylglycerol secretion by intestine and liver. Frost SC, et al. **J Lipid Res** 1983 Jul;24(7):899–903

THERAPEUTIC USE

Hypocaloric lipid emulsions and amino acid metabolism in injured rats. Yamazaki K, et al. **JPEN** 1984 Jul–Aug; 8(4):360–6

TRIHEXOSYLCERAMIDES see under **GLYCOSPHINGOLIPIDS**

TRIHEXYPHENIDYL

Trihexyphenidyl dependence. McInnis M, et al.
Acta Psychiatr Scand 1984 Jun;69(6):538–42

ADMINISTRATION & DOSAGE

[Comparative pharmacokinetic study of 2 galenic forms of 5 mg trihexyphenidyl; tablets (Artane) and sustained-release capsules (Parkinane retard)] Devissaguet JP, et al. **Therapie** 1984 May–Jun;39(3):231–6 (Eng. Abstr.) (Fre)

ADVERSE EFFECTS

Disturbance of recent memory function in parkinsonian patients on anticholinergic therapy. Koller WC. **Cortex** 1984 Jun;20(2):307–11
Psychiatric manifestations of Benzhexol toxicity. Mengech HN. **East Afr Med J** 1984 Jan;61(1):78–81
[Hyperthermia with acute rhabdomyolysis in a psychotic treated with neuroleptics] Reis J, et al.
Rev Neurol (Paris) 1983;139(10):595–6 (Eng. Abstr.) (Fre)

BLOOD

[Pharmacoclinical comparison of 2 dosage forms of trihexyphenidyl] Garbarg S, et al. **Encephale** 1983; 9(2):167–74 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Asymmetrical transfer: an inherent weakness of repeated-measure drug experiments. Millar K. **Br J Psychiatry** 1983 Nov;143:480–6

Psychoactive properties of benztropine and trihexyphenidyl. Wilcox JA. **J Psychoactive Drugs** 1983 Oct–Dec; 15(4):319–21

POISONING

[Abuse of the antiparkinson agents biperidin and benzhexol] Kjeldaas L. **Tidsskr Nor Laegeforen** 1983 Aug 30; 103(24):1713–4 **(Nor)**

THERAPEUTIC USE

Improvement of ataxic hemiparesis with trihexyphenidyl. Jabbari B, et al. **Neurology (NY)** 1983 Dec;33(12):1627–8

Cranial dystonia: double-blind crossover study of anticholinergics. Nutt JG, et al. **Neurology (NY)** 1984 Feb; 34(2):215–7

TRIHYDROXYPREGNADIENES see **PREGNADIENETRIOLS**

TRIIODOBENZOIC ACIDS see under **IODOBENZOATES**

TRIIODOTHYRONINE

ADMINISTRATION & DOSAGE

Carnitine metabolism in thyroid hormone treated rats and mice. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):413–28

[Diagnosis and therapy of patients with simple goiter within the scope of a thyroid gland ambulatory care service] Grubeck-Loebenstein B, et al. **Schweiz Med Wochenschr** 1984 May 12;114(19):654–9 (Eng. Abstr.) **(Ger)**

[Intermittent use of thyroidin and triiodothyronine following surgical treatment of nodular euthyroid goiter] Kuznetsov AA, et al. **Vrach Delo** 1984 Mar;(3):90–2 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Glycosylation of 3, 5, 3'-L-triiodothyronine and its biological activity. Oimomi M, et al. **Endocrinol Jpn** 1983 Aug;30(4):561–5

Triiodothyronamine—a beta-adrenergic metabolite of triiodothyronine? Meyer T, et al. **Horm Metab Res** 1983 Dec;15(12):602–6

Successful treatment of hyperthyroidism due to nonneoplastic pituitary TSH hypersecretion with 3,5,3'-triiodothyroacetic acid (TRIAC). Beck-Peccoz P, et al. **J Endocrinol Invest** 1983 Jun;6(3):217–23

[Triiodothyronine thyrotoxicosis following the ingestion of a high dose of tiratricol tablets (letter)] Hazard J, et al. **Presse Med** 1984 May 12;13(20):1275–6 **(Fre)**

ANALYSIS

Tri-iodothyronine and thyroxine in human milk. Jansson L, et al. **Acta Paediatr Scand** 1983 Sep;72(5):703–5

Anti-triiodothyronine autoantibodies interfere with two recently commercialized radioimmunoassays for free triiodothyronine. Rodríguez-Espinosa J, et al. **Clin Chem** 1984 Jan;30(1):151–2

Development of triiodothyronine uptake assay using acridine orange dye as the separating agent. Abu-Omeir MS, et al. **Clin Chim Acta** 1984 May 16;139(1):91–7

L-thyroxine and 3,5,3'-triiodo-L-thyronine in rat embryos before onset of fetal thyroid function. Obregon MJ, et al. **Endocrinology** 1984 Jan;114(1):305–7

Morphological study of cellular distribution of T3 and T4 (PAP-method) in peripheral and bone marrow granulated and lymphoid cells of normal and leukemic subjects. Notario A, et al. **Haematologica (Pavia)** 1983 Jul–Aug; 68(4):495–502

[Linear regression analysis of the T3-radioimmunoassay data] Arita S, et al. **Rinsho Byori** 1984 Mar;32(3):271–6 **(Jpn)**

ANTAGONISTS & INHIBITORS

Outcome of patients with Graves' disease after long-term medical treatment guided by triiodothyronine (T3) suppression test. Yamamoto M, et al. **Clin Endocrinol (Oxf)** 1983 Oct;19(4):467–76

BIOSYNTHESIS

The effect of D,L-4-hydroxypropranolol on the thyroxine to 3,5,3'-triiodothyronine conversion in rat renal and liver microsomes. Jørgensen PH, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):205–10

Decreased T4 to T3 conversion in tissues of streptozotocin-diabetic rats. Ortiz-Caro J, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):86–91

Does amiodarone affect heart rate by inhibiting the intracellular generation of triiodothyronine from thyroxine? Lindenmeyer M, et al. **Br J Pharmacol** 1984 May; 82(1):275–80

Effect of dexamethasone on triiodothyronine production in the perfused rat liver and kidney. Jennings AS, et al. **Endocrinology** 1984 Jan;114(1):31–6

Effect of hypothyroidism and hyperthyroidism on triiodothyronine production in perfused rat liver. Jennings AS, et al. **Endocrinology** 1984 Mar;114(3):992–7

Beta-adrenergic antagonist inhibition of hepatic 3,5,3'-triiodothyronine production. Shulkin BL, et al. **Endocrinology** 1984 Sep;115(3):858–61

Studies on the conversion of thyroxine to 3,5,3'-triiodothyronine in normal and thyroidectomized chickens. Rudas P, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):154–61

Comparison of plasma and urinary methods for the direct measurement of the thyroxine to 3,5,3' – triiodothyronine conversion rate in man. Bianchi R, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):993–1002

Qualitative and quantitative differences in the pathways of extrathyroidal triiodothyronine generation between euthyroid and hypothyroid rats. Silva JE, et al. **J Clin Invest** 1984 Apr;73(4):898–907

Adrenergic activation of triiodothyronine production in brown adipose tissue. Silva JE, et al. **Nature** 1983 Oct 20–26;305(5936):712–3

Monodeiodination of thyroxine in the maternal and fetal dog kidneys and placenta. Suzuki M, et al. **Tohoku J Exp Med** 1984 Mar;142(3):313–20

[T4 thyrotoxicosis: increase in the level of production of triiodothyronine (T3) (letter)] Simonin R, et al. **Presse Med** 1983 Sep 10;12(31):1937 **(Fre)**

[Thyroxine (T4) to 3,5,3'-triiodothyronine (T3) and 3,3',5'-triiodothyronine (reverse T3) conversion in human leukocyte suspensions. Study in hyper and hypothyroidism states] Bianco AC, et al. **Rev Paul Med** 1984 Mar–Apr; 102(2):61–4 (Eng. Abstr.) **(Por)**

BLOOD

Rapid adaptations of serum thyrotrophin, triiodothyronine and reverse triiodothyronine levels to short-term starvation and refeeding. Hugues JN, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):194–9

Nuclear thyroxine and 3,5,3'-triiodothyronine receptors in human mononuclear blood cells during pregnancy. Kvetny J, et al. **Acta Endocrinol (Copenh)** 1984 Jan;105(1):19–23

Long-term alprenolol treatment affects serum T4, T3 and rT3 in euthyroid patients with ischaemic heart disease. Perrild H, et al. **Acta Endocrinol (Copenh)** 1984 Feb; 105(2):190–3

Effects of sodium ipodate and propylthiouracil in athyreotic human subjects, role of triiodothyronine and pituitary thyroxine monodeiodination in thyrotrophin regulation. Schaison G, et al. **Acta Endocrinol (Copenh)** 1984 Jul; 106(3):338–45

Effects of indomethacin on thyroid iodine metabolism. Targovnik HM, et al. **Acta Physiol Lat Am** 1983; 33(4):327–34

Serum T3 and reverse T3 levels in hepatic cirrhosis: relation to hepatocellular damage and normalization on improvement in liver dysfunction. Kabadi UM, et al. **Am J Gastroenterol** 1983 Nov;78(11):750–5

Effect of iron-deficiency anemia on hormone levels and thermoregulation during cold exposure. Beard J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R114–9

Effect of prednisone on thyroid gland morphology and plasma thyroxine and triiodothyronine concentrations in the dog. Woltz HH, et al. **Am J Vet Res** 1983 Nov; 44(11):2000–3

Fenclofenac and thyroid function tests. John R, et al. **Ann Clin Biochem** 1983 Nov;20 (Pt 6):381–2

Ratio of serum triiodothyronine to thyroxine and the prognosis of triiodothyronine-predominant Graves' disease. Takamatsu J, et al. **Ann Intern Med** 1984 Mar; 100(3):372–5

Thyroid hormones in vitamin A-deficient rats: effect of retinoic acid supplementation. Garcin H, et al. **Ann Nutr Metab** 1983;27(6):495–500

Radioimmunoassay of triiodothyronine (T3) and thyroxine (T4). An assay with both the bound and free fraction of the hormone present in the counting vessel. Eriksson H, et al. **Appl Biochem Biotechnol** 1983 Feb;8(1):1–7

The importance of reverse triiodothyronine in hypothyroid children on replacement treatment. Desai M, et al. **Arch Dis Child** 1984 Jan;59(1):30–5

Toxic adenoma in childhood—case report. Lepre F, et al. **Aust Paediatr J** 1983 Dec;19(4):258–9

Endocrine reactivity (T3, T4, cortisol) during cold exposure in preterm and full-term lambs. Cabello G. **Biol Neonate** 1983;44(4):224–33

Effects of reproductive state on concentrations of thyroxine, 3,5,3'-triiodothyronine and cortisol in serum of dogs. Reimers TJ, et al. **Biol Reprod** 1984 Aug;31(1):148–54

Propranolol and hyperthyroidism: sequential changes in serum iodothyronine (T4, T3, rT3) concentrations during therapy until clinical remission. Pinho MO, et al. **Braz J Med Biol Res** 1983 Jul;16(2):111–7

Theoretical consideration of the effects of dilution on estimates of free thyroid hormones in serum. Kamikubo K, et al. **Clin Chem** 1984 May;30(5):634–6

Discrepancies between serum free triiodothyronine and free thyroxin as measured by equilibrium dialysis and analog radioimmunoassay in nonthyroidal illnesses. Liewendahl K, et al. **Clin Chem** 1984 May;30(5):760–2

Value of measuring free triiodothyronine and free thyroxin in serum in detection of hypothyroidism [letter] Norman RJ, et al. **Clin Chem** 1984 Jan;30(1):169–70

Determination of free thyroxin and triiodothyronine in 'subclinical' hypothyroidism and hyperthyroidism [letter] Vierhapper H, et al. **Clin Chem** 1984 Mar;30(3):500–1

Performance characteristics and diagnostic value (vs other tests) of two radioimmunoassay kits for estimating free triiodothyronine in serum. Wilke TJ, et al. **Clin Chem** 1984 Feb;30(2):216–21

Progress report on a national quality-control survey of triiodothyronine and thyroxin assay. Zucchelli GC, et al. **Clin Chem** 1984 Mar;30(3):395–8

Primary hypothyroidism with grossly elevated plasma total thyroxine and triiodothyronine levels. Beckett GJ, et al. **Clin Endocrinol (Oxf)** 1983 Sep;19(3):295–303

Circannual rhythms of plasma growth hormone, thyrotropin and thyroid hormones in prepuberty. Bellastella A, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):531–7

Relations between immunoreactive somatomedin C, insulin and T3 patterns during fasting in obese subjects. Caufriez A, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):65–70

Measurement of free thyroxine and free triiodothyronine in asymptomatic subjects with high concentrations of serum TSH and a history of radioiodine therapy. Franklyn JA, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):527–30

Measurement of free thyroxine and free triiodothyronine in thyrotoxicosis and hypothyroidism. Franklyn JA, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):107–10

Endogenous cortisol and thyroid hormone levels in patients with acute myocardial infarction. Kahana L, et al. **Clin Endocrinol (Oxf)** 1983 Jul;19(1):131–9

Serum triiodothyronine and hyperthyroidism in a population sample of women. Nyström E, et al. **Clin Endocrinol (Oxf)** 1984 Jan;20(1):31–42

More on thyroid status in patients with chronic renal failure: effect of glucose intolerance on serum reverse T3 [letter] De Marchi S, et al. **Clin Nephrol** 1984 May;21(5):303–4

Glucagon does not modulate the alterations in T3 metabolism consequent to dietary manipulation and diabetes. Gavin LA, et al. **Diabetes** 1983 Sep;32(9):798–803

Serum thyroxine, triiodothyronine, and TSH levels and TSH release after TRH in aging male and female rats. Greeley GH Jr, et al. **Endocr Res Commun** 1982–83;9(3–4):169–77

Putative nuclear triiodothyronine receptors in tadpole erythrocytes: regulation of receptor number by thyroid hormone. Galton VA. **Endocrinology** 1984 Mar; 114(3):735–42

Low serum thyroxine and high serum triiodothyronine in nephrotic rats: etiology and implications for bioavailability of protein-bound hormone. Glass AR, et al. **Endocrinology** 1984 May;114(5):1745–53

Thyroid hormone metabolism and the source of plasma triiodothyronine in 2-week-old rats: effects of thyroid status. Silva JE, et al. **Endocrinology** 1984 Jun; 114(6):2394–405

Relationship of thyroid hormone patterns to survival in canine hemorrhagic shock. Vitek V, et al. **Eur Surg Res** 1984;16(2):89–98

Evaluation of plasma iodothyronines in various stages of pregnancy. Rastelli D, et al. **Exp Clin Endocrinol** 1984 Mar; 83(1):58–62

Respective roles of circulating T4 and T3 in control of TSH secretion in severely iodide-deficient rats. Rognoni JB, et al. **Experientia** 1984 Feb 15;40(2):215–7

Plasma levels on thyroid hormones in sockeye salmon (Oncorhynchus nerka) decrease before spawning. Biddiscombe S, et al. **Gen Comp Endocrinol** 1983 Dec; 52(3):467–70

Regulation of plasma T3 levels in T4-challenged rainbow trout, Salmo gairdneri. Fok P, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):197–202

Thyroid hormone levels in an egg-laying mammal, the platypus Ornithorhynchus anatinus. Hulbert AJ, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):401–5

Thyroid hormone changes in the bobwhite (Colinus virginianus) after hatching. Spiers DE, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):302–8

Effect of the dw gene on growth, plasma hormone concentrations and hepatic enzyme activity in a randombred population of chickens. Stewart PA, et al. **Growth** 1984 Spring;48(1):59–73

Variation in growth hormone, triiodothyronine (T3) and lipogenic enzyme activity in broiler strains differing in growth and fatness. Stewart PA, et al. **Growth** 1983 Winter; 47(4):411–25

Variations in circulating thyroxine and triiodothyronine concentration in relation to spring migration in rosy pastor, Sturnus roseus. Pathak VK, et al. **Horm Behav** 1984 Jun; 18(2):111–6

Increase in plasma concentrations of 3,5,3'-triiodothyronine and thyroxine after a meal, and its dependence on energy intake. Dauncey MJ, et al. **Horm Metab Res** 1983 Oct; 15(10):499–502

Reverse tri-iodothyronine (rT3) in normal and hypothyroid children and its significance in treated hypothyroids. Desai M, et al. **Indian J Med Res** 1983 May;77:679–85

Thyroid hormones in liver diseases. Sharma MP, et al. **Indian J Med Res** 1983 Sep;78:384–7

The influence of natural short photoperiodic and temperature conditions on plasma thyroid hormones and cholesterol in male Syrian hamsters. Vaughan MK, et al. **Int J Biometeorol** 1984 Jul;28(3):201–10

Low triiodothyronine and raised reverse triiodothyronine levels in patients over fifty years of age who have type

II diabetes mellitus: influence of metabolic control, not age. Kabadi UM, et al. **J Am Geriatr Soc** 1984 May;32(5):375–9

Low serum 3,3',5–triiodothyronine (T3) and reciprocally high serum 3,3',5'–triiodothyronine (reverse T3) concentration in spinal cord injury patients. Prakash V. **J Am Paraplegia Soc** 1983 Jul;6(3):56–8

Serum thyroxine and triiodothyronine concentrations in canine pyoderma. Slade EA, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):216–8

Appearance of labeled metabolites in the serum of man after the administration of labeled thyroxine, triiodothyronine (T3), and reverse triiodothyronine (rT3). Rudolph M, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):923–8

Peripheral tissue mechanism for maintenance of serum triiodothyronine values in a thyroxine–deficient state in man. Lum SM, et al. **J Clin Invest** 1984 Feb;73(2):570–5

Relation of plasma thyroxine and triiodothyronine to body weight in growing male and female Holstein cattle. Kahl S, et al. **J Dairy Sci** 1983 Nov;66(11):2386–90

Effects of hysterectomy and in–vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Biró J, et al. **J Endocrinol** 1984 Jun;101(3):243–8

Antagonism of serum tri–iodothyronine changes after injections of prolactin in the domestic fowl before and after hatching. Kühn ER, et al. **J Endocrinol** 1983 Dec; 99(3):401–7

Circulating antitriiodothyronine autoantibodies in two euthyroid patients: apparent lack of interference in total T3 radioimmunoassay based on second antibody or solid phase separation techniques. Beck–Peccoz P, et al. **J Endocrinol Invest** 1983 Oct;6(5):333–40

Syndrome of persisting thyroid stimulating immunoglobulins and growth promotion of goiter combined with low thyroxine and high triiodothyronine serum levels in drug treated Graves' disease. Wenzel KW, et al. **J Endocrinol Invest** 1983 Oct;6(5):389–94

Serum triiodothyronine by radioimmunoassay in normal Thai subjects and in various thyroid disorders. Boonnamsiri V, et al. **J Med Assoc Thai** 1984 Jan;67(1):36–43

TRH, reverse T3, and leuenkephalin levels and other physiological changes in a male adult during prolonged fasting. Carter JP, et al. **J Natl Med Assoc** 1983 Dec; 75(12):1161–6

Discrimination power of the combined measurements of free thyroxine and free triiodothyronine concentration in the evaluation of thyroid function. Broeckaert I, et al. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):291–6

Circulating thyroid hormone changes in acute trauma: prognostic implications for clinical outcome. Phillips RH, et al. **J Trauma** 1984 Feb;24(2):116–9

Part–of–the–day hypertriiodothyroninemia caused by desiccated thyroid [letter] Lev–Ran A. **JAMA** 1983 Nov 25;250(20):2790–1

Alterations of serum reverse triiodothyronine and thyroxine kinetics in chronic renal failure: role of nutritional status, chronic illness, uremia, and hemodialysis. Kaptein EM, et al. **Kidney Int [Suppl]** 1983 Dec;16:S180–6

Evaluation of the measurement of reverse T3 in suspected thyroid disease. Dalton A, et al. **Med Lab Sci** 1983 Jul; 40(3):235–42

Propylthiouracil, ipodate, dexamethasone and periods of fasting induce different variations in serum rT3 in dogs. Laurberg P, et al. **Metabolism** 1984 Apr;33(4):323–5

Increased serum concentration of free L–triiodothyronine in patients treated with L–thyroxine. Schmitz R, et al. **Nuklearmedizin** 1983 Oct;22(5):251–4

Results of controlled double–blind study of thyroid replacement in very low–birth–weight premature infants with hypothyroxinemia. Chowdhry P, et al. **Pediatrics** 1984 Mar;73(3):301–5

Effect of propylthiouracil, and of bacterial endotoxin (LPS), on thyroid hormones, respiratory rate, cutaneous and renal blood flow in rabbits. Riedel W. **Pflugers Arch** 1983 Sep; 399(1):11–7

Growth hormone, thyroxine, and triiodothyronine levels of Japanese quail selected for four–week body weight. Burke WH, et al. **Poult Sci** 1984 Feb;63(2):207–13

Bursectomy and its influence on circulating corticosterone, triiodothyronine, and thyroxine in immature male chickens. Mashaly MM. **Poult Sci** 1984 Apr;63(4):798–800

Effects of dietary thyroid hormones on growth and serum T3, T4, and growth hormone in sex–linked dwarf chickens. Leung FC, et al. **Proc Soc Exp Biol Med** 1984 Oct; 177(1):77–81

Reverse T3 levels in affective disorders. Kjellman BF, et al. **Psychiatry Res** 1983 Sep;10(1):1–9

Serum triiodothyronine, reverse triiodothyronine, thyroxine, thyrotropin, free thyroxine index and TRH test in diabetes mellitus. Shin SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Sep;82(9):947–57

Magnetic antibody immunoassay thyroid function tests in general practice. Donne CS, et al. **Vet Rec** 1984 Jul 28; 115(4):79–83

[Changes in serum levels of T4, T3 and TSH in TRH stimulation test among normal adults] Liu GZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct; 5(5):290–4 (Eng. Abstr.) **(Chi)**

[Determination of the levels of thyroxine, triiodothyronine and reverse triiodothyronine in heart disease] Limanová Z, et al. **Vnitr Lek** 1983 Oct;29(10):993–1002 (Eng. Abstr.) **(Cze)**

[Triiodothyronine thyrotoxicosis following the ingestion of a high dose of tiratricol tablets (letter)] Hazard J, et al. **Presse Med** 1984 May 12;13(20):1275–6 **(Fre)**

[T3–T4 magic formula (letter)] Mahoudeau JA. **Presse Med** 1984 Mar 3;13(9):563–4 **(Fre)**

[Decrease in triiodothyronine and its reverse form under the effect of extrarenal dialysis. Role of carbohydrate intake] Verger MF, et al. **Presse Med** 1984 Jun 23;13(26):1613–6 (Eng. Abstr.) **(Fre)**

[Thyroid gland parameters of healthy euthyroid children from 10 to 16 years of age] Brendel B, et al. **Padiatr Grenzgeb** 1984;23(2):93–8 (Eng. Abstr.) **(Ger)**

[Hyperthyroidism with normal total thyroxine and triiodothyronine levels] Földes I, et al. **Orv Hetil** 1984 Jun 3;125(23):1399–401 (Eng. Abstr.) **(Hun)**

[Hormonal variations after partial resection of the thyroid. Preliminary note] Francomano F, et al. **Ann Ital Chir** 1983; 55(3):285–93 (Eng. Abstr.) **(Ita)**

[Time structure of endocrine secretion. II. Circannual variations in the free fractions of tri– and tetraiodothyronine, cortisol, human growth hormone and plasma insulin in healthy subjects] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1243–7 (Eng. Abstr.) **(Ita)**

[IMMOPHASE F.T3 RIA kit: experimental and clinical studies] Harada Y, et al. **Horumon To Rinsho** 1983 Aug; 31(8):801–8 **(Jpn)**

[Radioimmunoassay of serum triiodothyronine concentration in thyroidal and non–thyroidal illnesses] Konno N, et al. **Horumon To Rinsho** 1984 Jan;32(1):65–9 **(Jpn)**

[Serum free T3 determined by Corning FT3 RIA kit] Takada I, et al. **Horumon To Rinsho** 1983 Dec;31(12):1235–9 **(Jpn)**

[Influence of anti T3 autoantibody on free T3 measurements] Doi K, et al. **Kaku Igaku** 1984 Mar;21(3):263–7 **(Jpn)**

[Fundamental and clinical evaluation of serum free T3 radioimmunoassay] Suehiro M, et al. **Kaku Igaku** 1983 Dec; 20(10):1489–96 **(Jpn)**

[Measurement of free triiodothyronine in serum by the use of corning free triiodothyronine RIA kit—correlations to other thyroid functions and serum levels of free triiodothyronine in various diseases] Suzuki H, et al. **Kaku Igaku** 1983 Nov;20(9):1387–98 **(Jpn)**

[Basic and clinical evaluation of a amerlex FT3 RIA kit] Tada M, et al. **Kaku Igaku** 1984 Jan;21(1):51–7 **(Jpn)**

[Comparative evaluation of usefulness of the free T3 index and T3:TBG ratio as indirect indicators of serum free triiodothyronine concentration] Taguchi H, et al. **Kaku Igaku** 1983 Jul;20(6):775–83 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of free T3 measurement by amarlex free T3 RIA kit: comparison to equilibrium dialysis and calculated index] Umezu Y, et al. **Kaku Igaku** 1984 Jan; 21(1):69–73 **(Jpn)**

[Radioimmunoassay of serum free T3 by Amerlex free T3 radioimmunoassay kit compared with equilibrium dialysis and free T3 index] Yoshida K, et al. **Kaku Igaku** 1983 Dec; 20(10):1497–504 **(Jpn)**

[Usefulness of the TRH–T3 test in the diagnosis of central hypothyroidism] Ishihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Aug 20;59(8):1131–7 (Eng. Abstr.) **(Jpn)**

[Changes of serum 3,5,3'–triiodothyronine (T3), thyroxine (T4), 3,3',5'–triiodothyronine (rT3) levels in patients with liver diseases. One marker for hepatic microsomal function] Yamaba Y. **Nippon Shokakibyo Gakkai Zasshi** 1984 May; 81(5):1214–22 (Eng. Abstr.) **(Jpn)**

[Experimental studies of GammaCoat T3 and T4 RIA kit] Kanamori I, et al. **Radioisotopes** 1983 Oct;32(10):502–5 **(Jpn)**

[Relation between the summation of scores of FT4, FT3I and TSH and TRH responses in patients with hyperthyroidism] Kurihara S, et al. **Radioisotopes** 1983 Jul; 32(7):336–9 **(Jpn)**

[Radioimmunoassay of free triiodothyronine by Amerlex free T3 RIA kit] Yoshii H, et al. **Radioisotopes** 1983 Dec; 32(12):637–40 **(Jpn)**

[Normal values for serum thyroid hormone concentrations in breast feeding mothers] Kawashima M, et al. **Rinsho Byori** 1983 Oct;31(10):1107–10 **(Jpn)**

[Clinical usefulness of various indicators of triiodothyronine and thyroxine levels for the differential diagnosis of euthyroidism and hyperthyroidism] Zaorska–Rajca J, et al. **Endokrynol Pol** 1984;35(2):79–85 (Eng. Abstr.) **(Pol)**

[Changes in serum thyroxine and triiodothyronine concentrations in patients with autonomic 'hot' thyroid nodules] Górowski T, et al. **Pol Tyg Lek** 1983 Oct 3; 38(40):1241–4 (Eng. Abstr.) **(Pol)**

[Diurnal changes in serum thyroxine and triiodothyronine concentrations in patients with autonomous 'hot' thyroid nodules] Górowski T, et al. **Pol Tyg Lek** 1984 Feb 27; 39(9):277–80 (Eng. Abstr.) **(Pol)**

[Relation between thyroid hormone concentration of the blood and the blood collection site and circulatory status] Lada W, et al. **Wiad Lek** 1983 Oct 15;36(20):1667–74 (Eng. Abstr.) **(Pol)**

[Low T3 syndrome with euthyroidism in severe systemic diseases] Maciel RM, et al. **AMB** 1983 Mar–Apr; 29(3–4):63–6 (Eng. Abstr.) **(Por)**

[Changes in serum thyroxine (T4) and triiodothyronine (T3) levels after surgery on patients with diseases of the thyroid gland] Vulchev D, et al. **Khirurgiia (Sofiia)** 1983; 36(6):532–5 **(Rus)**

[Systemic evaluation of thyroid function in women and men from radioimmunoassay data] Morozov SL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):48–52 (Eng. Abstr.) **(Rus)**

[Effect of nicotinic acid on the changes in hormone levels in burns] Baluda VP, et al. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):36–8 (Eng. Abstr.) **(Rus)**

[Radioimmunologic T3–test and its clinical significance] Semenov VD, et al. **Sov Med** 1984;(3):116–7 **(Rus)**

[Thyroid activity in patients with thyroid neoplasms] Demidov VP, et al. **Vopr Onkol** 1983;29(11):27–32 (Eng. Abstr.) **(Rus)**

[Hashimoto's thyroiditis: clinical, hormonal and serological review of 60 adult patients] Cabrer J, et al. **Med Clin (Barc)** 1984 May 12;82(18):785–8 (Eng. Abstr.) **(Spa)**

[Thyroid functions in sporadic non–toxic diffuse and nodular goiters. Decrease in the levels of total circulating triiodothyronine in nodular goiters] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):461–3 (Eng. Abstr.) **(Spa)**

[Pancreatic function and thyroid hormones] Salmerón de Diego J. **Med Clin (Barc)** 1983 Jun 18;81(2):51–2 (Eng. Abstr.) **(Spa)**

[The low T3–T4–TSH 'syndrome': a multifactorial association] Arteaga E, et al. **Rev Med Chil** 1983 Feb; 111(2):169–74 (Eng. Abstr.) **(Spa)**

[Usefulness of the reverse T3 (rT3) determination in patients under chronic treatment with amiodarone] de los Angeles Valenzuela M, et al. **Rev Med Chil** 1984 Mar;112(3):228–32 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

CSF triiodothyronine (rT3) levels in patients with affective disorders. Linnoila M, et al. **Biol Psychiatry** 1983 Dec; 18(12):1489–92

DIAGNOSTIC USE

Reappraisal of the 3,5,3'–triiodothyronine–suppression test in the prediction of long term outcome of antithyroid drug therapy in patients with hyperthyroid Graves' disease. Yamada T, et al. **J Clin Endocrinol Metab** 1984 Apr; 58(4):676–80

Temporary disappearance of an autonomously functioning thyroid nodule after T3 suppression test. Vattimo A. **J Nucl Med Allied Sci** 1983 Oct–Dec;27(4):337–9

IMMUNOLOGY

Short time production in the rabbit of anti–T3 antibodies at high titer to be used in the radioimmunoassay (RIA) practice. Giovannini E, et al. **Ann Sclavo** 1982 Sep–Oct; 24(5):443–55

Antibody binding serum T3 in a patient with hepatocarcinoma. Ordóñez–Llanos J, et al. **J Endocrinol Invest** 1984 Apr;7(2):123–7

[T3– and T4–antibodies in serum: screening and specific determination methods] Grebe SF. **Nuklearmedizin** 1983 Aug;22(4):192–5 (Eng. Abstr.) **(Ger)**

[Hypothyroidism with serum anti–T3 autoantibody—a case report] Doi K, et al. **Horumon To Rinsho** 1983 Nov; 31(11):1097–101 **(Jpn)**

[Studies on anti–T3 and anti–T4 autoantibodies found in 2 sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis. III. Anti–rT3 autoantibodies] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Jul 20;59(7):973–82 (Eng. Abstr.) **(Jpn)**

METABOLISM

Metabolism of thyroid hormones in isolated rat hepatocytes: studies on the influences of carbamazepine and phenytoin. Aanderud S, et al. **Acta Endocrinol (Copenh)** 1983 Dec; 104(4):479–84

Variability in body protein loss during protracted, severe caloric restriction: role of triiodothyronine and other possible determinants. Yang MU, et al. **Am J Clin Nutr** 1984 Sep;40(3):611–22

Inner ring deiodination of thyroxine and 3,5,3'–triiodothyronine by human fetal membranes. Roti E, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):786–92

Thyroid activity in cigarette smokers. Sepkovic DW, et al. **Arch Intern Med** 1984 Mar;144(3):501–3

A high affinity thyroid hormone binding protein in the cytosol of embryonic rat brain cells in primary cultures. Lennon AM, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):901–8

Characterization of a thyroid–hormone–binding site on nuclear envelopes and nuclear matrices of the male–rat liver. Lefebvre YA, et al. **Biochem J** 1984 May 1; 219(3):1001–7

Triiodothyronine nuclear receptors in liver, brain and lung of neonatal rats. Effect of hypothyroidism and thyroid replacement therapy. Bellabarba D, et al. **Biol Neonate** 1984;45(1):41–8

Nuclear binding sites for triiodothyronine in the gerbil brain following ischemia and recirculation. Thrall CL, et al. **Brain Res** 1984 May 28;301(1):179–83

Mitochondrial binding of triiodothyronine (T3). Demonstration by electron–microscopic radioautography of dispersed liver cells. Sterling K, et al. **Cell Tissue Res** 1984;236(2):321–5

Uptake and metabolism of thyroid hormones by the rat foetus in early pregnancy. Woods RJ, et al. **Clin Sci** 1984 Sep; 67(3):359–63

The deiodination of the iodothyronines and of their derivatives in man. Engler D, et al. **Endocr Rev** 1984 Spring;5(2):151–84 (305 ref.)

Studies on the T3 suppression test by the 24-hour thyroidal 131I uptake in patients with Graves' disease: comparison of the effects of propylthiouracil and methylmercaptoimidazole. Kobayashi I, et al. **Endocrinol Jpn** 1983 Aug;30(4):491–7

Glycosylation of 3, 5, 3'-L-triiodothyronine and its biological activity. Oimomi M, et al. **Endocrinol Jpn** 1983 Aug;30(4):561–5

Relation of structural polarity to responses of cyclic 3', 5'-adenosine monophosphate accumulation and thyroid hormone release in cultured human thyroid follicles. Tamaki H, et al. **Endocrinol Jpn** 1984 Apr;31(2):99–108

Monodeiodination of thyroxine to 3, 5, 3'-triiodothyronine and to 3, 3', 5'-triiodothyronine in isolated dog renal cortical tubuli. Yoshida K, et al. **Endocrinol Jpn** 1983 Apr; 30(2):211–7

Nuclear triiodothyronine receptor in differentiating preadipocytes cloned from obese and lean mice. Anselmet A, et al. **Endocrinology** 1984 Feb;114(2):450–6

Ontogenesis of the nuclear 3,5,3'-triiodothyronine receptor in the human fetal brain. Bernal J, et al. **Endocrinology** 1984 Feb;114(2):677–9

Effects of dexamethasone on kinetics and distribution of triiodothyronine in the rat. Cavalieri RR, et al. **Endocrinology** 1984 Jan;114(1):215–21

Effect of 3,5,3'-triiodothyronine-induced hyperthyroidism on iodothyronine metabolism in the rat: evidence for tissue differences in metabolic responses. Chopra IJ, et al. **Endocrinology** 1984 Apr;114(4):1454–9

Deiodination of reverse 3, 3', 5'-triiodothyronine by hepatic nuclear protein preparations. Cutten AE, et al. **Endocrinology** 1984 Aug;115(2):600–4

Reduced triiodothyronine content in liver but not pituitary of the uremic rat model: demonstration of changes compatible with thyroid hormone deficiency in liver only. Lim VS, et al. **Endocrinology** 1984 Jan;114(1):280–6

Distribution and metabolism of L- and D-triiodothyronine (T3) in the rat: preferential accumulation of L-T3 by hepatic and cardiac nuclei as a probable explanation of the differential biological potency of T3 enantiomers. Schwartz HL, et al. **Endocrinology** 1983 Oct;113(4):1236–43

5,5'-Diphenylhydantoin (dilantin) decreases cytosol and specific nuclear 3,5,3'-triiodothyronine binding in rat anterior pituitary in vivo and in cultured GC cells. Smith PJ, et al. **Endocrinology** 1984 Jul;115(1):283–90

Increase in nuclear thyroid and glucocorticoid receptors and growth hormone production during the deoxyribonucleic acid synthesis phase of the cell growth cycle. Surks MI, et al. **Endocrinology** 1984 Mar;114(3):873–9

The contribution of local thyroxine monodeiodination to intracellular 3,5, 3'-triiodothyronine in several tissues of hyperthyroid rats at isotopic equilibrium. van Doorn J, et al. **Endocrinology** 1984 Jul;115(1):174–82

The influence of partial food deprivation on the quantity and source of triiodothyronine in several tissues of athyreotic thyroxine-maintained rats. van Doorn J, et al. **Endocrinology** 1984 Aug;115(2):705–11

Thyroid hormone binding to adult rat alveolar type II cells. An autoradiographic study. Smith DM, et al. **Exp Lung Res** 1983 Sep;5(2):141–53

Corticoids augment nuclear binding capacity for triiodothyronine in bullfrog tadpole tail fins. Suzuki MR, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):272–8

Nuclear receptors for L-triiodothyronine in quail liver. Weirich RT, et al. **Gen Comp Endocrinol** 1984 Jan; 53(1):90–9

Triiodothyronamine—a beta-adrenergic metabolite of triiodothyronine? Meyer T, et al. **Horm Metab Res** 1983 Dec;15(12):602–6

Age-related alterations in thyroid hormone binding properties of porcine skeletal muscle cytosol. Wilson DB, et al. **J Anim Sci** 1983 Dec;57(6):1449–55

Interactions of the nuclear thyroid hormone receptor with core histones. Apriletti JW, et al. **J Biol Chem** 1984 Sep 10;259(17):10941–8

Modulation of thyroid hormone nuclear receptors by cholera toxin in cultured GH1 cells. Aranda A, et al. **J Biol Chem** 1984 May 25;259(10):6110–6

Multiple affinity classes of saturable triiodothyronine binding in mouse liver nuclear extract demonstrated using high-performance size exclusion chromatography. Sellitti DF, et al. **J Chromatogr** 1983 Sep 30;268(2):300–5

The monodeiodination of triiodothyronine and reverse triiodothyronine in man: a quantitative evaluation of the pathway by the use of turnover rate techniques. Engler D, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):49–61

A new case of familial partial generalized resistance to thyroid hormones: study of 3,5,3'-triiodothyronine (T3) binding to lymphocyte and skin fibroblast nuclei and in vivo conversion of thyroxine to T3. Gheri RG, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):563–9

Evidence that triiodothyronine and reverse triiodothyronine are sequentially deiodinated in man. Sakurada T, et al. **J Clin Endocrinol Metab** 1978 Jun;46(6):916–22

Production rates and turnover of triiodothyronine in rat-developing cerebral cortex and cerebellum. Responses to hypothyroidism. Silva JE, et al. **J Clin Invest** 1984 Sep; 74(3):1035–49

Sources and quantity of 3,5,3'-triiodothyronine in several tissues of the rat. van Doorn J, et al. **J Clin Invest** 1983 Nov;72(5):1778–92

Preferential release of triiodothyronine: an intrathyroidal adaptation to reduced serum thyroxine in aging rats. Pekary AE, et al. **J Gerontol** 1983 Nov;38(6):653–9

Specific 3,3',5'-triiodothyronine (reverse T3) binding sites on rat liver plasma membranes: comparison with thyroxine (T4) binding sites. Arnott RD, et al. **J Recept Res** 1983; 3(3):393–407

Hepatic conversion of thyroxine to triiodothyronine in obese and lean Zucker rats. Young RA, et al. **Life Sci** 1984 Apr 30;34(18):1783–90

Thyroxine, 3,5,3' -triiodothyronine and 3,3', 5' -triiodothyronine in human amniotic fluid: relationships between concentrations and turnover. Cooper E, et al. **Med Hypotheses** 1983 Oct;12(2):113–24

Characterization of nuclear triiodothyronine (T3) and tetraiodothyronine (T4) binding in developing brain tissue. Margarity M, et al. **Mol Cell Endocrinol** 1983 Aug; 31(2-3):333–51

Thyroid hormone metabolism after acclimatization to warm or cold temperature under conditions of high or low energy intake. Macari M, et al. **Q J Exp Physiol** 1983 Oct; 68(4):709–18

Monodeiodination of thyroxine to 3,3',5'-triiodothyronine in the human placenta. Suzuki M, et al. **Tohoku J Exp Med** 1983 Jul;140(3):311–8

[Thyroid hormone-binding cytosol proteins in the rat liver. I. Study of molecular properties] Bardowska U, et al. **Endokrynol Pol** 1983;34(2):95–102 (Eng. Abstr.) **(Pol)**

[Thyroid hormone-binding cytosol proteins in the rat liver. II. Effect of various factors on hormone binding] Bardowska U, et al. **Endokrynol Pol** 1983;34(2):103–13 (Eng. Abstr.) **(Pol)**

[Age-related characteristics of intracellular transformations of thyroid hormones] Valueva GV. **Fiziol Zh** 1984 Mar-Apr;30(2):207–12 (Eng. Abstr.) **(Rus)**

[Determination of 131I-triiodothyronine absorption by erythrocytes] Koldzhiev VA, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):62–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Thyroid hormone regulation of beta-adrenergic receptors and catecholamine sensitive adenylate cyclase in foetal heart. Das DK, et al. **Acta Endocrinol (Copenh)** 1984 Aug; 106(4):569–76

Effects of in vivo triiodothyronine and long acting thyroid stimulator (LATS) administration on the vitro thyroid cAMP response to thyrotrophin and LATS. Ikeda H, et al. **Acta Endocrinol (Copenh)** 1984 Jun;106(2):193–8

Renin-angiotensin system in hypothyroid rats: effects of potassium iodide and triiodo-L-thyronine. Jiménez E, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):505–10

Structure-activity relation of thyroid hormone analogues and tissue epidermal growth factor concentrations in neonatal and adult mice. Hoath SB, et al. **Am J Dis Child** 1984 Mar; 138(3):251–3

Direct anabolic effects of thyroid hormone on isolated mouse heart. Crie JS, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C328–33

Hormonal influence on endothelial cell angiotensin-converting enzyme activity. Krulewitz AH, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C163–8

Effect of thyroid hormone on carbohydrate content of Na+-K+-adenosine triphosphatase. Lo CS, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C282–7

Triiodothyronine depresses the NAD-linked glycerol-3-phosphate dehydrogenase activity of cultured neonatal rat heart cells. Freerksen DL, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):474–9

Regulation of biosynthesis of the rat liver inner mitochondrial membrane by thyroid hormone. Nelson ED, et al. **Arch Biochem Biophys** 1984 Jan;228(1):41–8

Effects of hormones on the activity of glucose-6-phosphatase in primary cultures of rat hepatocytes. Spagnoli D, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):182–9

The effects of triiodothyronine, hydrocortisone and insulin on lipid synthesis by cultured fibroblasts preincubated in a serum-free medium. Amorosa LF, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):192–8

Stimulation of tubulin synthesis by thyroid hormone in the developing rat brain. Chaudhury S, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):93–8

Differential regulation by triiodothyronine of substrate-specific uridinediphosphoglucuronate glucuronosyl transferases in rat liver. Chowdhury JR, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):58–65

The influence of triiodothyronine (T3) on the postnatal development of drug metabolism in rat liver. Müller D, et al. **Biomed Biochim Acta** 1983;42(7-8):981–7

Growth and food intake of intact and pinealectomised chickens treated with melatonin and triiodothyronine. Injidi MH, et al. **Br Poult Sci** 1983 Oct;24(4):463–9

Modulation of tubulin synthesis by tri-iodothyronine in the embryonic chick brain. Chaudhury S, et al. **Brain Res** 1983 Sep;285(3):291–5

Effects of hormones on the maintenance and mitochondrial functions of rat hepatocytes cultured in serum-free medium. Wilson EJ, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):636–43

Hormonal regulation of acid cholesterol ester hydrolase activity: effects of triiodothyronine and 17 alpha-ethynylestradiol. Severson DL, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):244–7

Ability of L-triiodothyronine to modulate glucocorticoid-evoked brush border enzyme activities in cultured fetal rat intestine. Simon-Assmann P, et al. **Cell Biol Int Rep** 1984 Jan;8(1):41–5

Diurnal mitochondrial changes in avian retinal pigment epithelium: a search for correlation with thyroid state. Lauber JK. **Curr Eye Res** 1982-83;2(12):863–8

Synergistic effect of triiodothyronine and dexamethasone on male and female fetal rat lung surfactant synthesis. Torday JS, et al. **Dev Pharmacol Ther** 1984;7(2):133–9

Stimulation of disaccharidase activities in the jejunal brush border membrane of adult rat by total parenteral nutrition. Effects of thyroid hormones. Raul F, et al. **Digestion** 1984; 29(3):190–6

Thyroid hormone decreases thyrotropin subunit mRNA levels in rat anterior pituitary. Croyle ML, et al. **DNA** 1984 Jun;3(3):231–6

Thyroid hormones enhance the synthesis and secretion of alpha-lactalbumin by mouse mammary tissue in vitro. Bhattacharjee M, et al. **Endocrinology** 1984 Sep; 115(3):1070–7

A study of cardiac effects of thyroid hormones: evidence for amelioration of the effects of thyroxine by sodium ipodate. Chopra IJ, et al. **Endocrinology** 1984 Jun; 114(6):2039–45

Triiodothyronine stimulates growth of cultured GC cells by action early in the G1 period. DeFesi CR, et al. **Endocrinology** 1984 Jan;114(1):293–5

Early enhancement of passive potassium efflux from rat liver by thyroid hormone: relation to induction of Na,K-ATPase. Haber RS, et al. **Endocrinology** 1984 Jul; 115(1):291–7

Characterization of thyroid hormone stimulation of uridine uptake by rat pituitary tumor cells. Halpern J, et al. **Endocrinology** 1984 Jul;115(1):95–101

Direct in vitro effect of thyroid hormones on 25-hydroxyvitamin D3 metabolism in the perfused rat kidney. Kano K, et al. **Endocrinology** 1984 Feb;114(2):330–6

Thyroid hormones augment catecholamine-stimulated brown adipose tissue thermogenesis in the ovine fetus. Klein AH, et al. **Endocrinology** 1984 Apr;114(4):1065–9

Regulation of rat renal (Na+ + K+)-adenosine triphosphatase activity by triiodothyronine and corticosterone. Klein LE, et al. **Endocrinology** 1984 Sep; 115(3):1038–42

Regulation of thyroxine 5'-deiodinase activity by 3,5,3'-triiodothyronine in cultured rat anterior pituitary cells. Koenig RJ, et al. **Endocrinology** 1984 Jul;115(1):324–9

Acute posttranscriptional regulation of cerebrocortical and pituitary iodothyronine 5'-deiodinases by thyroid hormone. Leonard JL, et al. **Endocrinology** 1984 Mar;114(3):998–1004

Increase in 3,5,3'-triiodothyronine (T3)-binding sites in tadpole erythrocyte nuclei during spontaneous and T3-induced metamorphosis. Moriya T, et al. **Endocrinology** 1984 Jan;114(1):170–5

An immediate increase in calcium accumulation by rat thymocytes induced by triiodothyronine: its role in the subsequent metabolic responses. Segal J, et al. **Endocrinology** 1984 Jul;115(1):160–6

Hormonal effects on liver glutamate dehydrogenase in adrenalectomized and thyroidectomized rats. Yaroni S, et al. **Endocrinology** 1984 Jun;114(6):2337–43

Hormonal effects on liver glutamate dehydrogenase in newly weaned, prepubertal rats. Yaroni S, et al. **Endocrinology** 1984 Jun;114(6):2330–6

Thyroid hormones and the reactivities of genetic variants of human erythrocytic glucose-6-phosphate dehydrogenase. Dada OA, et al. **Enzyme** 1983;30(4):217–22

Thyroid hormone-inducible mitochondrial alpha-glycerophosphate dehydrogenase in the MCF-7 human breast cancer cell line. Draves DP, et al. **Eur J Cancer Clin Oncol** 1983 Oct;19(10):1485–6

Effects of 3,5,3'-triiodothyronine on collagen synthe by cultured human skin fibroblasts. de Rycker C, et al. **FEBS Lett** 1984 Aug 20;174(1):34–7

Changes in plasma estradiol and effects of triiodothyronine on plasma estradiol during smoltification of coho salmon, Oncorhynchus kisutch. Sower SA, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):486–92

Binding of dexamethasone by hepatic, intestine, and tailfin cytosol in Rana catesbeiana tadpoles during spontaneous and triiodothyronine-induced metamorphosis. Woody CJ, et al. **Gen Comp Endocrinol** 1984 May;54(2):194–202

Effects of glucagon and 3,5,3'-triiodo-L-thyronine on oxidative phosphorylation of thyroidectomized rat liver mitochondria. Breton L, et al. **Horm Metab Res** 1983 Nov; 15(11):543–6

The effect of triiodothyronine on insulin binding and action in rat adipocytes. Cech JM, et al. **Horm Metab Res** 1983 Nov;15(11):530–2

Induction of hepatocyte stimulating activity by T3 and appearance of the activity despite inhibition of DNA synthesis by adriamycin. Francavilla A, et al. **Horm Metab Res** 1984 May;16(5):237–42

The effects of thyroid hormone on in vitro phosphorylation, acetylation, and ADP ribosylation of rat liver nuclear proteins. Nikodem VM, et al. **Horm Metab Res** 1983 Nov;

15(11):550–4
Influence of thyroid hormone on diet–induced thermogenesis in the rat. Rothwell NJ, et al. **Horm Metab Res** 1983 Aug; 15(8):394–8
Protein synthesis in the early stages of cardiac hypertrophy. Clarke K, et al. **Int J Biochem** 1983;15(10):1267–71
Effect of triiodothyronine (T3) on ribonucleic acid polymerase activity in developing tadpole hindlimb. Dhanarajan ZC, et al. **Int J Biochem** 1984;16(2):183–8
Direct effect of triiodothyronine on glucose utilization in adipocytes from obese and nonobese Zucker rats. Rifici VA, et al. **Int J Biochem** 1984;16(4):353–60
Stimulation of 7–day chick embryo lung cells by insulin and thyroid hormone. Richmond JE. **Int J Tissue React** 1983; 5(2):159–63
Effect of dexamethasone and combinations of hormones on 7–day chick embryo lung cells. Richmond JE. **Int J Tissue React** 1983;5(2):153–8
Potentiation of surfactant release in fetal lung by thyroid hormone action. Das DK, et al. **J Appl Physiol** 1984 Jun; 56(6):1621–6
The effect of in vivo treatment with triiodothyronine on the in vitro synthesis of protein–poly(ADP)–ribose adducts by isolated cardiocyte nuclei and the separation of poly(ADP)–ribosylated proteins by phenol extraction and electrophoresis. Jackowski G, et al. **J Biol Chem** 1983 Oct 25;258(20):12587–93
Rapid effects of triiodothyronine on hepatic gene expression. Hybridization analysis of tissue–specific triiodothyronine regulation of mRNAS14. Jump DB, et al. **J Biol Chem** 1984 Mar 10;259(5):2789–97
Molecular cloning of a cDNA sequence for rat malic enzyme. Direct evidence for induction in vivo of rat liver malic enzyme mRNA by thyroid hormone. Magnuson MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12712–7
Transcriptional control of ornithine aminotransferase synthesis in rat kidney by estrogen and thyroid hormone. Mueckler MM, et al. **J Biol Chem** 1984 Feb 25; 259(4):2302–5
Regulation of epidermal growth factor receptor levels by thyroid hormone. Mukku VR. **J Biol Chem** 1984 May 25; 259(10):6543–7
In vivo hormonal control of L–type pyruvate kinase gene expression. Effects of glucagon, cyclic AMP, insulin, cortisone, and thyroid hormones on the dietary induction of mRNAs in the liver. Munnich A, et al. **J Biol Chem** 1984 Aug 25;259(16):10228–31
n–Butyrate effects thyroid hormone stimulation of prolactin production and mRNA levels in GH1 cells. Stanley F, et al. **J Biol Chem** 1984 Aug 10;259(15):9768–75
Induction of amino acid transport by L–triiodothyronine in cultured growth hormone–producing rat pituitary tumor cells (GC cells). Surks MI, et al. **J Biol Chem** 1984 May 10;259(9):5726–33
Hormonal regulation of the growth hormone gene. Relationship of the rate of transcription to the level of nuclear thyroid hormone–receptor complexes. Yaffe BM, et al. **J Biol Chem** 1984 May 25;259(10):6284–91
Reverse triiodothyronine does not alter pituitary–thyroid function in normal subjects. Shulkin BL, et al. **J Clin Endocrinol Metab** 1984 Jun;58(6):1184–7
Thyroid hormone stimulation of phosphatidylcholine synthesis in cultured fetal rabbit lung. Ballard PL, et al. **J Clin Invest** 1984 Sep;74(3):898–905
Response of hepatic mitochondrial alpha–glycerophosphate dehydrogenase and malic enzyme to constant infusions of L–triiodothyronine in rats bearing the Walker 256 carcinoma. Evidence for divergent postreceptor regulation of the thyroid hormone response. Tibaldi JM, et al. **J Clin Invest** 1984 Sep;74(3):705–14
Regulation of receptors for insulin–like growth factors in cultured arterial smooth muscle cells by thyroid hormone. Pfeifle B, et al. **J Endocrinol** 1983 Sep;98(3):373–9
Effect of tri–iodothyronine on normal human lymphocyte function. Weetman AP, et al. **J Endocrinol** 1984 Apr; 101(1):81–6
Effects of thyroid hormones and aldosterone on mineralocorticoid binding sites in the toad bladder. Rossier BC, et al. **J Membr Biol** 1984;77(1):25–32
Regulation of myelin basic protein (arginine) methyltransferase by thyroid hormone in myelinogenic cultures of cells dissociated from embryonic mouse brain. Amur SG, et al. **J Neurochem** 1984 Aug;43(2):494–8
Long–term effects of triiodothyronine and thiouracil on myocardial beta–adrenergic receptor numbers and cyclic AMP concentration in rats. Niizoe K, et al. **Jpn Circ J** 1984 May;48(5):508–14
Oral triiodothyronine administration lowers plasma fibronectin levels in humans. Alexander CM, et al. **Metabolism** 1984 Jul;33(7):608–11
A case of heterozygous familial hypercholesterolemia associated with hyperthyroidism: effects of triiodothyronine on low–density lipoprotein receptor and cholesterol synthesis. Haba T, et al. **Metabolism** 1983 Dec; 32(12):1129–32
Effects of aldosterone, methylprednisolone and triiodothyronine on the response to water loading in the conscious hypothyroid rat with diabetes insipidus. Michael UF, et al. **Miner Electrolyte Metab** 1984;10(3):190–8
Modulation of thyroid hormone nuclear receptor levels by L–triiodothyronine (T3) in the rat pituitary. von Overbeck K, et al. **Mol Cell Endocrinol** 1983 Dec;33(2–3):281–92
Triiodothyronine enhances the morphological maturation of dopaminergic neurons from fetal mouse hypothalamus cultured in serum–free medium. Puymirat J, et al. **Neuroscience** 1983 Nov;10(3):801–10
Regulatory relationships of thyroid hormone, growth hormone and high carbohydrate diet. **Nutr Rev** 1983 Jun; 41(6):194–6 (20 ref.)
Effect of corticosterone and triiodothyronine on (Na+ + K+)–adenosine triphosphatase activity in rat submandibular gland. Bartolomei MS, et al. **Pflugers Arch** 1983 Dec;399(4):255–8
Rapid induction of a specific nuclear mRNA precursor by thyroid hormone. Narayan P, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4687–91
Effects of triiodothyronine treatments on body and organ growth and the development of immune function in dwarf chickens. Marsh JA, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):82–91
Intestinal K99+ escherichia coli adhesior. and absorption of colostral IgG1 in the newborn lamb: effect of fetal infusion of thyroid hormones. Cabello G, et al. **Res Vet Sci** 1983 Sep;35(2):242–4
Effect of a single dose of T3 on the uptake of (2–14C)–ethanolamine into chicken liver phospholipids. Marino A, et al. **Rev Esp Fisiol** 1984 Mar;40(1):43–6
[Non–chromatin nuclear structures in thymus epithelial cells of the mouse after treatment with L–3,3,5–triiodothyronine] Marinova Ts. **Eksp Med Morfol** 1983;22(4):37–41 (Eng. Abstr.) **(Bul)**
[Demonstration of the triiodothyronine receptivity of preadipocyte clones of the mouse] Torresani J, et al. **Ann Endocrinol (Paris)** 1983;44(5):299–301 **(Fre)**
[Effects of triiodothyronine on the oxygen uptake and release of fatty acids in the epididymal adipose tissue of the rat] Llamas R. **Gac Med Mex** 1983 Sep;119(9):352–5 **(Spa)**

PHYSIOLOGY

Effects of glycosylation on physiological and biological activities of substances. Oimomi M, et al. **Arch Gerontol Geriatr** 1984 May;3(1):59–64
Synthesis of an hypothesis advocating a prominent role for the thyroid hormones in mammalian liver cell proliferation in vivo. Short J, et al. **Cytobios** 1983;38(149):39–49 (68 ref.)
Reciprocal relationship between the levels of the hepatic nuclear binding sites for T3 and DNA replication in the liver of the rat: a possible unifying concept. Truitte D, et al. **Cytobios** 1983;38(149):7–19
Role of thyroid hormone in postnatal circulatory and metabolic adjustments. Breall JA, et al. **J Clin Invest** 1984 May;73(5):1418–24
Glucocorticoid–thyroid hormone interactions in fetal rat lung. Gross I, et al. **Pediatr Res** 1984 Feb;18(2):191–6
[Role of triiodothyronine and thyroxine in the regulation of thyrotropic hormone secretion (TSH) and the maintenance of the euthyroid state in healthy persons] Felt V, et al. **Cas Lek Cesk** 1984 May 11;123(19):583–5 (Eng. Abstr.) **(Cze)**
[Characteristics and functions of thyroid hormone receptors on plasma membrane] Horiuchi R. **Tanpakushitsu Kakusan Koso** 1983 Dec;28(13):1365–77 (73 ref.) **(Jpn)**
[Current theories on the role of thyroid hormones in the pathomechanism of allergy] Danowski J. **Pol Tyg Lek** 1983 Oct 3;38(40):1259–62 (46 ref.) **(Pol)**

POISONING

[Severe poisoning with thyroid hormones in a body builder] Krusell LR, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2441–2 (Eng. Abstr.) **(Dan)**

SECRETION

Immediate increase of thyroid hormone release during acute stress in rats: effect of biogenic amines rather than that of TSH? Langer P, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):443–9
Stimulation of phospholipid methylation and thyroid hormone secretion by thyrotropin. Prasad C, et al. **Endocrinology** 1984 Mar;114(3):941–5
Forskolin stimulation of thyroid secretion of T4 and T3. Laurberg P. **FEBS Lett** 1984 May 21;170(2):273–6
The adaptation of the human thyroid gland to a physiological regimen of iodide intake: evidence for a transitory inhibition of thyroid hormone secretion modulated by the intrathyroidal iodine stores. Jonckheer MH, et al. **J Endocrinol Invest** 1983 Aug;6(4):267–72
Mechanisms governing the relative proportions of thyroxine and 3,5,3'–triiodothyronine in thyroid secretion. Laurberg P. **Metabolism** 1984 Apr;33(4):379–92 (146 ref.)

THERAPEUTIC USE

Relationship between thyroid volume and serum thyroglobulin during long–term suppression with triiodothyronine in patients with diffuse non–toxic goitre. Feldt–Rasmussen U, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):184–9
Long–term ECG recordings in hyperthyroid patients before and after antithyroid treatment. Jansson R, et al. **Acta Med Scand** 1984;215(2):151–5
The TRH test and thyroid hormone in refractory depression [letter] Targum SD, et al. **Am J Psychiatry** 1984 Mar; 141(3):463
Triiodothyronine in the treatment of hirsute girls. Szamatowicz M, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):15–20
Different rates of thyrotropin suppression after total body scan in patients with thyroid cancer: effect of an optimal saturation regimen with thyroxine or triiodothyronine. Busnardo B, et al. **J Endocrinol Invest** 1983 Dec;6(6):455–61
Triiodothyronine suppression of diffuse nontoxic goiter [letter] Perrild H, et al. **J Endocrinol Invest** 1984 Jun; 7(3):265–6

TOXICITY

Some functional changes in experimentally induced cardiac overload. Petkov O. **Acta Physiol Pharmacol Bulg** 1983; 9(3):42–50
Early molecular events in rat heart after administration of triiodothyronine and isoproterenol. Raymondjean M, et al. **Biochim Biophys Acta** 1983 Oct 13;741(1):30–7
Triiodothyronine (T3) toxicosis with hypokalemic periodic paralysis. Sunohara N, et al. **Eur Neurol** 1984;23(2):100–3

URINE

Effect of mefenamic acid on plasma protein–thyroid hormone interaction, monodeiodination of thyroxine, urinary excretion of tri–iodothyronine and thyrotropin regulation. Koizumi Y, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun;11(3):291–9

TRIIODOTHYRONINE, REVERSE see under **TRIIODOTHYRONINE**

TRIKETOCHOLANIC ACID see **DEHYDROCHOLIC ACID**

TRILOGY OF FALLOT see under **HEART SEPTAL DEFECTS, ATRIAL**

TRIMEBUTINE see under **BENZOATES**

TRIMECAINE see under **ACETANILIDES**

TRIMEDOXIME see under **OXIMES**

TRIMEPRANOL see under **PROPANOLAMINES**

TRIMEPRAZINE

Premedication for children with oral trimeprazine and droperidol. Layfield DJ, et al. **Anaesthesia** 1984 Jan; 39(1):32–4

TRIMESTER, FIRST see **PREGNANCY TRIMESTER, FIRST**

TRIMESTER, SECOND see **PREGNANCY TRIMESTER, SECOND**

TRIMESTER, THIRD see **PREGNANCY TRIMESTER, THIRD**

TRIMETAPHAN see **TRIMETHAPHAN**

TRIMETAZIDINE see under **PIPERAZINES**

TRIMETHADIONE see under **OXAZOLES**

TRIMETHAPHAN

Renal tissue oxygenation following induced hypotension in dogs. Behnia R, et al. **Br J Anaesth** 1984 Sep;56(9):1037–43
Effects of induced hypotension on breathing pattern in halothane–anaesthetized man. Hannhart B, et al. **Eur J Clin Invest** 1983 Oct;13(5):379–82

DIAGNOSTIC USE

[Use of ganglionic blockaders in the differential diagnosis of reflex cardialgia caused by diseases of the abdominal organs] Evtikhov RM, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):28–30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Trimethaphan is a direct arterial vasodilator and an alpha–adrenoceptor antagonist. Harioka T, et al. **Anesth Analg** 1984 Mar;63(3):290–6
Blood–brain barrier function following drug–induced hypotension in the dog. Ishikawa T, et al. **Anesthesiology** 1983 Dec;59(6):526–31
Plasma catecholamine response to hypotension induced by trimethaphan and by sodium nitroprusside during nitrous oxide–oxygen–fentanyl anesthesia. Hamaji M, et al. **Med J Osaka Univ** 1983 Sep;34(1–2):37–41
The inhibition of erythrocyte acetylcholinesterase by trimethaphan—a comparison with that of pseudocholinesterase. Tsukawaki Y, et al. **Med J Osaka Univ** 1983 Mar;33(3–4):83–8
[Controlled hypotension in the surgery of intracranial arterial aneurysms. Comparison of sodium nitroprusside, trimethaphan and trinitroglycerin] Di Giugno G, et al. **Minerva Anestesiol** 1983 Nov;49(11):623–9 (Eng. Abstr.) **(Ita)**

TRIMETHIDINIUM COMPOUNDS see under AMMONIUM COMPOUNDS

TRIMETHOBENZAMIDE

ANALYSIS

Quantitative analysis of trimethobenzamide hydrochloride by ion-pair column chromatography and semiquantitative analysis of 3,4,5-trimethoxybenzoic acid by thin-layer chromatography. Naviasky H. **J Pharm Sci** 1984 Apr; 73(4):542-5

TRIMETHOPRIM

The effect of formulation factors on the solid state interaction between trimethoprim and sulfamethoxazole in compressed tablets. Bettinetti GP, et al. **Farmaco [Prat]** 1983 Jul; 38(7):259-64

ADMINISTRATION & DOSAGE

Synergistic action of trimethoprim and sulfamethoxazole for Nocardia asteroides: efficacious therapy in five patients. Adams HG, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):8-12

Parenteral trimethoprim/sulfamethoxazole for gram-negative bacillary meningitis. McConville JH, et al. **Am J Med Sci** 1984 Mar-Apr;287(2):43-5

Cotrimoxazole prophylaxis in patients with leukemia and prolonged granulocytopenia. Martino P, et al. **Am J Med Sci** 1984 May-Jun;287(3):7-9

Trimethoprim and folinic acid [letter] Kinzie BJ, et al. **Ann Intern Med** 1984 Oct;101(4):565

Intermittent chemoprophylaxis for Pneumocystis carinii pneumonia. Hughes WT, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):300-1

The prevention of postappendicectomy sepsis by metronidazole and cotrimoxazole: a controlled double blind trial. Chiam HL, et al. **Aust NZ J Surg** 1983 Oct;53(5):421-5

Post-sepsis prophylaxis in cancer patients. Hughes WT, et al. **Cancer** 1984 Jan 1;53(1):137-41

Reversal of dementia associated with Whipple's disease by trimethoprim-sulfamethoxazole, drugs that penetrate the blood-brain barrier. Ryser RJ, et al. **Gastroenterology** 1984 Apr;86(4):745-52

The 'clostridial effect' of selective decontamination of the human gut with trimethoprim/sulphamethoxazole in neutropenic patients. Haralambie E, et al. **Infection** 1983 Jul-Aug;11(4):201-4

Double-blind comparative trial of trimethoprim/sulfamethopyrazine once daily vs erythromycin 4 X daily in patients with ENT infections. Federspil P, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Oct;21(10):535-9

Single-dose treatment of urinary tract infection in young women: data indicating a high rate of recurrent infection during a short follow-up. Leibovici L, et al. **Isr J Med Sci** 1984 Mar;20(3):257-9

The use of combinations of trimethoprim and sulphonamides in the treatment of chest infections. Hughes DT. **J Antimicrob Chemother** 1983 Nov;12(5):423-34

Treatment of CSF shunt infections with intrashunt plus oral antibiotic therapy. Frame PT, et al. **J Neurosurg** 1984 Feb; 60(2):354-60

Dosing implications of rapid elimination of trimethoprim-sulfamethoxazole in patients with cystic fibrosis. Reed MD, et al. **J Pediatr** 1984 Feb;104(2):303-7

Single-dose and seven-day trimethoprim and co-trimoxazole in the treatment of urinary tract infection. Jones RH. **J R Coll Gen Pract** 1983 Sep;33(254):585-9

Malacoplakia of the bladder: a case report of resolution with bethanechol, trimethoprim-sulfamethoxazole and ascorbic acid. Stanton MJ, et al. **J Urol** 1983 Dec;130(6):1174-5

Therapy of chancroid with trimethoprim-sulfametrole [letter] Webster DR, et al. **N Engl J Med** 1983 Dec 29; 309(26):1652

Comparison of single dose netilmicin with a five-day course of co-trimoxazole for uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1984 Apr 25; 97(754):262-4

A comparison of the combination pivmecillinam/pivampicillin and co-trimoxazole in the treatment of convalescent carriers of Salmonella and Shigella. Ekwall E, et al. **Scand J Infect Dis** 1984; 16(1):99-102

Long-term oral treatment of urinary tract infections with single daily doses of a new antibacterial drug combination (Kelfiprim). von Niederhäusern W, et al. **Urol Res** 1983; 11(4):181-5

[Pharmacokinetics of the combined preparation trimezol—Farmakhim. 1. Plasma levels and urinary excretion of trimethoprim and sulfamethoxazole in the rat] Mikhailova D, et al. **Eksp Med Morfol** 1983;22(4):23-8 (Eng. Abstr.) **(Bul)**

[Trimethoprim in acute uncomplicated urinary tract infections; a single-dose administration or a 7-day course] Sturm AW. **Ned Tijdschr Geneeskd** 1984 Mar 24; 128(12):543-6 (Eng. Abstr.) **(Dut)**

[Pharmacotherapeutic aspects of trimethoprim combined with sulfonamides used in cattle] van den Heuvel WC. **Tijdschr Diergeneeskd** 1984 Jun 1;109(11):455-9 (Eng. Abstr.) **(Dut)**

[Primacy of medical treatment of cerebral abscesses (19 cases)] Petit H, et al. **Rev Neurol (Paris)** 1983; 139(10):575-81 (Eng. Abstr.) **(Fre)**

[Prolonged low-dose therapy in recurrent infections of the urinary tract in the child] Ruberto U, et al. **Minerva Pediatr** 1983 Nov 15;35(21):1079-82 (Eng. Abstr.) **(Ita)**

[Sensitivities of atypical mycobacteria to various drugs. VI. Antibacterial effects of sulfonamides and their combinations in vitro] Sakurai N, et al. **Kekkaku** 1983 Aug;58(8):415-20 (Eng. Abstr.) **(Jpn)**

[In vitro susceptibility of Mycobacterium marinum to ST preparation (sulfamethoxazole-trimethoprim)] Arai H. **Nippon Hifuka Gakkai Zasshi** 1983 Sep;93(10):1091-4 **(Jpn)**

[Biseptol dosage in children in relation to the degree of renal failure and body weight. II] Sieniawska M, et al. **Pediatr Pol** 1984 Mar;59(3):189-96 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

The acquired immunodeficiency syndrome and a trimethoprim-sulfamethoxazole adverse reaction [letter] Cohn DL, et al. **Ann Intern Med** 1984 Feb;100(2):311

Adverse reactions to trimethoprim-sulfamethoxazole in patients with the acquired immunodeficiency syndrome. Gordin FM, et al. **Ann Intern Med** 1984 Apr;100(4):495-9

Trimethoprim-sulfamethoxazole-induced cholestatic hepatitis. Inadvertent rechallenge. Thies PW, et al. **Arch Intern Med** 1984 Aug;144(8):1691-2

Myelosuppression complicating cotrimoxazole prophylaxis after bone marrow transplantation [letter] Schey SA, et al. **Br J Haematol** 1984 Jan;56(1):179-80

Hypoglycemia induced by the interaction of chlorpropamide and co-trimoxazole. Baciewicz AM, et al. **Drug Intell Clin Pharm** 1984 Apr;18(4):309-10

Normal somatic growth in children receiving low-dose prophylactic co-trimoxazole. Smellie JM, et al. **Eur J Pediatr** 1983 Sep;140(4):301-4

Possible role of methotrexate in trimethoprim-sulfamethoxazole-induced acute megaloblastic anemia. Dan M, et al. **Isr J Med Sci** 1984 Mar;20(3):262-3

Drug eruptions presenting at sites of prior radiation damage (sunlight and electron beam). Shelley WB, et al. **J Am Acad Dermatol** 1984 Jul;11(1):53-7

Trimethoprim-sulfamethoxazole: another cause of recurrent meningitis [letter] Haas EJ. **JAMA** 1984 Jul 20;252(3):346

Complications of co-trimoxazole in treatment of AIDS-associated Pneumocystis carinii pneumonia in homosexual men. Jaffe HS, et al. **Lancet** 1983 Nov 12; 2(8359):1109-11

Co-trimoxazole toxicity in children [letter] Jick SS, et al. **Lancet** 1984 Sep 15;2(8403):631

Adverse effect of trimethoprim on kidney function in renal transplant patients [letter] Nyberg G, et al. **Lancet** 1984 Feb 18;1(8373):394-5

Nephrotoxicity by co-trimoxazole and cyclosporin in transplanted patients [letter] Ringdén O, et al. **Lancet** 1984 May 5;1(8384):1016-7

Co-trimoxazole in pregnancy [letter] Smithells RW. **Lancet** 1983 Nov 12;2(8359):1142

Hepatitis in a dog given sulfadiazine-trimethoprim and cyclophosphamide. Anderson WI, et al. **Mod Vet Pract** 1984 Feb;65(2):115

Renal salt wasting and metabolic acidosis with trimethoprim-sulfamethoxazole therapy. Kaufman AM, et al. **Mt Sinai J Med (NY)** 1983 May-Jun;50(3):238-9

Trimethoprim—sulfamethoxazole-related hypoglycemia in a patient with renal failure. Frankel MC, et al. **NY State J Med** 1984 Jan;84(1):30-1

The use of trimethoprim-sulfamethoxazole in children: a review of adverse reactions and indications. Gutman LT. **Pediatr Infect Dis** 1984 Jul-Aug;3(4):349-57

[Toxic epidermal necrolysis. A case caused by sulphamethoxazole combined with trimethoprim] Petersen P, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3345-6 (Eng. Abstr.) **(Dan)**

[Paraplegia syndrome following the use of co-trimoxazole] Muntendam H, et al. **Ned Tijdschr Geneeskd** 1984 Apr 7; 128(14):678-80 (Eng. Abstr.) **(Dut)**

[Fatal agranulocytosis and toxic liver damage after use of trimethoprim-sulfamethoxazole] Haaverstad R, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10-11):741-2 (Eng. Abstr.) **(Nor)**

ANALOGS & DERIVATIVES

Pharmacokinetics of metioprim in normal subjects and patients with impaired renal function. Vergin H, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):190-3

Properties of brodimoprim as an inhibitor of dihydrofolate reductases. Then RL, et al. **Chemotherapy** 1984;30(1):18-25

Brodimoprim in acute exacerbations of chronic bronchitis: a clinical and bacteriological pilot study [letter] Maesen FP, et al. **J Antimicrob Chemother** 1984 Mar;13(3):299-30

Renal handling and lymph concentration of tetroxoprim and metioprim: an experimental study in dogs. Iversen P, et al. **J Urol** 1984 Aug;132(2):362-4

[Antibacterial activity of 2 trimethoprim analogs (methioprim, brodimoprim) on recently isolated Shigella] Giammanco G, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2-3):573-7 (Eng. Abstr.) **(Ita)**

ANALYSIS

Rapid colorimetric assay of trimethoprim and sulfamethoxazole in pharmaceuticals. Sanyal AK, et al. **J Assoc Off Anal Chem** 1983 Nov;66(6):1447-9

High-performance liquid chromatographic quantitation of trimethoprim, sulfamethoxazole, and N4-acetylsulfamethoxazole in body fluids. Weber A, et al. **J Chromatogr** 1983 Dec 9;278(2):337-45

[Analysis of the solid phase interaction between sulfamethoxazole and trimethoprim by x-ray diffraction of the powder] Bettinetti GP, et al. **Farmaco [Prat]** 1983 Jul; 38(7):265-72 (Eng. Abstr.) **(Ita)**

BLOOD

Pharmacokinetics of trimethoprim in buffalo calves. Jain SK, et al. **Zentralbl Veterinarmed [A]** 1983 Nov;30(9):682-7

[Use of a new method of determining trimethoprim for monitoring its concentration in the blood and plasma] Klimowicz A. **Ann Acad Med Stetin** 1983;29:259-72 (30 ref.) (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Cerebrospinal fluid penetration of trimethoprim-sulphamethoxazole in two patients with gram-negative bacillary meningitis [letter] Levitz RE, et al. **J Antimicrob Chemother** 1984 Apr;13(4):400-1

DIAGNOSTIC USE

[Practical experiences with sulfonamide determination with the trimethoprim plate as an extension of the microbiological inhibitor test] Pollmann H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Mar 1;97(3):89-90 (Eng. Abstr.) **(Ger)**

METABOLISM

Drug withdrawal from farmed fish. Depletion of oxytetracycyline, sulfadiazine, and trimethoprim from muscular tissue of rainbow trout (Salmo gairdneri). Salte R, et al. **Acta Vet Scand** 1983;24(4):418-30

Protonated state of methotrexate, trimethoprim, and pyrimethamine bound to dihydrofolate reductase. Cocco L, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):567-77

Trimethoprim binding to bacterial and mammalian dihydrofolate reductase: a comparison by proton and carbon-13 nuclear magnetic resonance. Birdsall B, et al. **Biochemistry** 1983 Nov 22;22(24):5597-604

Penetration of trimethoprim and sulfamethoxazole into skin blister fluid. Nowak A, et al. **Eur J Clin Pharmacol** 1983; 25(6):825-7

Steady state pharmacokinetics of trimethoprim 300 mg once daily in healthy volunteers assessed by two independent methods. Odlind B, et al. **Eur J Clin Pharmacol** 1984; 26(3):393-7

Pharmacokinetics of newer combination of sulpha & trimethoprim. Seth SD, et al. **Indian J Med Res** 1983 Jul; 78:118-25

Estimation of trimethoprim and sulfamethoxazole levels in tears after systemic administration. Sharma GK, et al. **Indian J Ophthalmol** 1983 Jul;31(4):447-9

Penetration of trimethoprim—sulfadiazine into middle ear fluid in secretory otitis media. Kohonen A, et al. **Int J Pediatr Otorhinolaryngol** 1983 Sep;6(1):89-94

The penetration of trimethoprim and sulphamethoxazole into synovial fluid. Sattar MA, et al. **J Antimicrob Chemother** 1983 Sep;12(3):229-33

Bioavailability of a combination preparation of trimethoprim and folic acid. Soininen K, et al. **J Int Med Res** 1983; 11(5):294-7

Pharmacokinetic analysis of the level of sulfonamide-trimethoprim combination in calves. Roliński Z, et al. **Pol J Pharmacol Pharm** 1984 Jan-Feb;36(1):35-40

Data on the pharmacokinetics of sulphamethoxazole and trimethoprim in buffalo calves. Jain SK, et al. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):25-30

[Pharmacokinetics, biological availability and residues of sulfadoxine and trimethoprim when used jointly on calves] Pashkov D, et al. **Vet Med Nauki** 1984;21(4):84-93 (Eng. Abstr.) **(Bul)**

[Co-trimoxazole concentration in the prostatic fluid of patients with subacute and chronic prostatitis] Hofstetter A, et al. **Fortschr Med** 1984 Mar 8;102(9):244-6 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of the sulfonamide-trimethoprim combinations Berlocombin and Sulprim in patients with various degrees of kidney dysfunction] Günther K, et al. **Pharmazie** 1984 Apr;39(4):250-3 (Eng. Abstr.) **(Ger)**

[Changes in trimethoprim levels and its pharmacokinetic parameters in children with chronic renal failure treated with biseptol. I] Sieniawska M, et al. **Pediatr Pol** 1984 Mar; 59(3):177-87 (Eng. Abstr.) **(Pol)**

[Role of the skin in the distribution of trimethoprim] Nowak A, et al. **Pol Tyg Lek** 1983 Aug 29;38(35):1077-8 (Eng. Abstr.) **(Pol)**

[Role of the skin in the distribution of co-trimoxazole components] Nowak A, et al. **Pol Tyg Lek** 1983 Mar 28; 38(13):393-6 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effect of trimethoprim administration on hepatic functions of albino rats. Mandal B, et al.

Acta Physiol Pharmacol Bulg 1984;10(1):48–58

In vitro activity of enoxacin, a quinolone carboxylic acid, compared with those of norfloxacin, new beta-lactams, aminoglycosides, and trimethoprim. Chin NX, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):754–63

Biological profile and response to anti-pneumocystis agents of Pneumocystis carinii in cell culture. Pifer LL, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):674–8

Characterization of trimethoprim resistance by use of probes specific for transposon Tn7. Pulkkinen L, et al. **Antimicrob Agents Chemother** 1984 Jul;26(1):82–6

Sulfamethoxazole-trimethoprim-resistant Shigella flexneri in northeastern Brazil. Tiemens KM, et al. **Antimicrob Agents Chemother** 1984 May;25(5):653–4

Drug resistance in Shigella dysenteriae, S flexneri and S boydii in England and Wales: increasing incidence of resistance to trimethoprim. Gross RJ, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):784–6

Disturbance of 6-mercaptopurine metabolism by cotrimoxazole in childhood lymphoblastic leukaemia. Rees CA, et al. **Cancer Chemother Pharmacol** 1984;12(2):87–9

A comparison of the susceptibilities of anaerobic bacteria to trimethoprim and sulfamethoxazole individually and in combination. Tosolini FA, et al. **Clin Ther** 1983;5(6):629–31

The effect of cotrimoxazole on oral contraceptive steroids in women. Grimmer SF, et al. **Contraception** 1983 Jul; 28(1):53–9

Trimethoprim-sulphamethoxazole-resistant Shigella dysenteriae serotype 1 (Shiga's bacillus) in Gimira, south-west Ethiopia [letter] Gebre-Yohannes A, et al. **Ethiop Med J** 1983 Oct;21(4):275–6

Cotrimoxazole resistance in pneumococci. Linares J, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):473–4

Transferable trimethoprim resistance in three Finnish hospitals. Huovinen P, et al. **J Antimicrob Chemother** 1983 Sep;12(3):249–56

Activity of trimethoprim (TMP), sulphamethoxazole (SMX) and the combination against Bacteroides fragilis group isolates. Jackson-York GL, et al. **J Antimicrob Chemother** 1983 Nov;12(5):515–8

Comparative susceptibilities of penicillin-resistant pneumococci to co-trimoxazole, vancomycin, rifampicin and fourteen beta-lactam antibiotics. Liñares J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):353–9

Comparison of the suitability of three common bacterial media for susceptibility testing of trimethoprim-sulfamethoxazole. Ferguson RW, et al. **J Clin Microbiol** 1984 Jan;19(1):85–6

Effects of trimethoprim-sulfamethoxazole and incubation atmosphere on isolation of group A streptococci. Libertin CR, et al. **J Clin Microbiol** 1983 Sep;18(3):680–2

Prediction of sulfamethoxazole-trimethoprim synergistic action against members of the family Enterobacteriaceae with a two-plate agar dilution breakpoint MIC system. Ward PB, et al. **J Clin Microbiol** 1984 Jun;19(6):899–901

Trimethoprim-sulphamethoxazole synergy against Gram-negative bacilli [letter] Perogambros A, et al. **J Hosp Infect** 1984 Mar;5(1):103–6

Trimethoprim-resistant Escherichia coli in a geriatric hospital. Huovinen P. **J Infect** 1984 Mar;8(2):145–8

Evidence for an epidemic trimethoprim-resistance plasmid in fecal isolates of Escherichia coli from citizens of the United States studying in Mexico. Rudy RP, et al. **J Infect Dis** 1984 Jul;150(1):25–9

In-vitro comparative study of Lidaprim and co-trimoxazole. Abdel-Messih EF, et al. **J Int Med Res** 1984;12(3):219–20

Distribution and transferability of plasmids in trimethoprim-resistant urinary strains of Escherichia coli: a comparative study of hospital isolates. Kraft CA, et al. **J Med Microbiol** 1984 Aug;18(1):95–105

Distribution and transferability of plasmids in trimethoprim resistant urinary Escherichia coli. Kraft CA, et al. **J Med Microbiol** 1983 Nov;16(4):433–41

Co-trimoxazole-resistant Shigella dysenteriae type 1 outbreak in a family in Bangladesh [letter] Zaman K, et al. **Lancet** 1983 Oct 1;2(8353):796–7

In vitro interactions between metronidazole or tinidazole and ampicillin, doxycycline and co-trimoxazole on the effect against anaerobic bacteria. Bergan T, et al. **Scand J Gastroenterol [Suppl]** 1984;91:95–101

Transferable trimethoprim resistance in urinary tract pathogens isolated in Finland and Sweden. Dornbusch K, et al. **Scand J Infect Dis** 1983;15(3):285–91

[The effect of trimethoprim on serum digoxin and serum creatinine] Kastrup J, et al. **Ugeskr Laeger** 1983 Jul 25; 145(30):2286–8 **(Dan)**

[Fragility of the X chromosome and inhibition of dihydrofolate reductase. Comparison of the effects of 2 antibiotics: trimethoprim and pyrimethamine] Calva-Mercado MP, et al. **Ann Genet (Paris)** 1983; 26(3):147–9 (Eng. Abstr.) **(Fre)**

[In vitro synergy between sulfamethoxazole and trimethoprim on strains of Staphylococcus aureus sensitive and resistant to methicillin] Bismuth R, et al. **Pathol Biol (Paris)** 1983 May;31(5):429–33 (Eng. Abstr.) **(Fre)**

[Comparative activity of sulfamethoxazole-trimethoprim (SMZ-TMP) on bacteria responsible for ORL infections] Joly B, et al. **Pathol Biol (Paris)** 1984 Jun;32(6):689–92 (Eng. Abstr.) **(Fre)**

[Present status of the resistance of enterobacteria to the combination of a sulfonamide and trimethoprim (letter)] Riou B, et al. **Presse Med** 1984 Jun 23;13(26):1637–8 **(Fre)**

[Comparison of the in vitro antibacterial activity of trimethoprim-sulfadiazine and trimethoprim-sulfamethoxazole combinations] Thabaut A. **Therapie** 1983 Jul-Aug;38(4):399–404 (Eng. Abstr.) **(Fre)**

[Critical remarks on trimethoprim/sulfonamide combinations in veterinary medicine] Löscher W. **DTW** 1984 Apr 9; 91(4):135–9 (Eng. Abstr.) **(Ger)**

[In vitro resistance of various organisms isolated from urinary tract infections to a trimethoprim-sulfonamide drug combination] Bollmann R, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):439–40 (Eng. Abstr.) **(Ger)**

[Antibacterial activity of 2 trimethoprim analogs (methioprim, brodimoprim) on recently isolated Shigella] Giammanco G, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2-3):573–7 (Eng. Abstr.) **(Ita)**

[Transferable resistance to cephalosporins, ureidopenicillins (azlocillin, mezlocillin) and trimethoprim in Czechoslovakia] Krčméry V, et al. **Cas Lek Cesk** 1984 Jun 1;123(22):666–9 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Treatment of urinary tract infections in gynecological patients. A randomized study comparing pivampicillin-pivmecillinam with trimethoprim-sulphamethoxazole. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):515–8

Intracellular Escherichia coli in urinary malakoplakia: a reservoir of infection and its therapeutic implications. Qualman SJ, et al. **Am J Clin Pathol** 1984 Jan;81(1):35–42

Randomized controlled trial comparing trimethoprim/sulfamethoxazole and trimethoprim for infection prophylaxis in hospitalized granulocytopenic patients. Bow EJ, et al. **Am J Med** 1984 Feb;76(2):223–33

Assessment of therapy for pneumocystis carinii pneumonia. PCP Therapy Project Group. Haverkos HW. **Am J Med** 1984 Mar;76(3):501–8

Clinical evaluation of trimethoprim-containing ophthalmic solutions in humans. Lamberts DW, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):11–6

Trimethoprim-sulfamethoxazole for bacterial meningitis. Levitz RE, et al. **Ann Intern Med** 1984 Jun;100(6):881–90 (80 ref.)

Trimethoprim and rifampin in combination for chemoprophylaxis of household contacts of patients with invasive infections due to Haemophilus influenzae type b. Daum RS, et al. **Antimicrob Agents Chemother** 1983 Nov; 24(5):658–62

Trimethoprim sulphamethoxazole in neonatal Flavobacterium meningosepticum infection. Linder N, et al. **Arch Dis Child** 1984 Jun;59(6):582–4

Bacterial changes in the urine samples of patients with long-term indwelling catheters. Breitenbucher RB. **Arch Intern Med** 1984 Aug;144(8):1585–8

Infection prophylaxis in acute leukemia. Comparative effectiveness of sulfamethoxazole and trimethoprim, ketoconazole, and a combination of the two. Estey E, et al. **Arch Intern Med** 1984 Aug;144(8):1562–8

Double-blind co-operative trial to compare trimethoprim-sulfalene and co-trimoxazole in the treatment of lower respiratory tract infections. Ferlinz R, et al. **Arzneimittelforsch** 1983;33(11):1609–12

Outbreak of co-trimoxazole- and gentamicin-resistant Klebsiella aerogenes bacteremia in neutropenic patients receiving oral co-trimoxazole prophylaxis. Leahy MF, et al. **Aust NZ J Med** 1983 Dec;13(6):636–8

Comparison of single dose with a 5-day course of co-trimoxazole for asymptomatic (covert) bacteriuria of pregnancy. Bailey RR, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):139–41

Comparative effects of cotrimoxazole (trimethoprim-sulphamethoxazole), pyrimethamine-sulphadiazine and spiramycin during avirulent infection with Toxoplasma gondii (Beverley strain) in mice. Nguyen BT, et al. **Br J Pharmacol** 1983 Aug;79(4):923–8

Treatment of acute gonococcal urethritis in men with simultaneous infection with Chlamydia trachomatis. Csángó PA, et al. **Br J Vener Dis** 1984 Apr;60(2):95–8

Treatment of chancroid. A comparison of sulphamethoxazole and trimethoprim-sulphamethoxazole. Fast MV, et al. **Br J Vener Dis** 1983 Oct;59(5):320–4

Augmentin (amoxycillin-clavulanic acid) compared with co-trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82–3

Somatic growth in girls receiving low dose prophylactic co-trimoxazole. Smellie JM, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):875

Efficacy of trimethoprim/sulfamethoxazole in experimental Escherichia coli bacteremia and meningitis. Kim KS, et al. **Chemotherapy** 1983;29(6):428–35

Resistance to trimethoprim-sulfamethoxazole in the treatment of Pneumocystis carinii pneumonia. Implication of folinic acid. Nunn PP, et al. **Chest** 1984 Jul;86(1):149–50

Co-trimoxazole use for resistant Pseudomonas maltophilia. Rivera JO, et al. **Clin Pharm** 1984 May-Jun;3(3):308–11

Experimental septic shock: relative effects of treatment with antibiotics, crystalloid or colloid solution infusions and corticosteroids. Ottosson J, et al. **Crit Care Med** 1984 Jul; 12(7):560–4

Another look at trimethoprim-sulfamethoxazole: its role in parenteral therapy. Sattler FR, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):174–6

Antibacterial prophylaxis in chronic granulomatous disease. A case report. Mendelsohn HB, et al. **Isr J Med Sci** 1983 Nov;19(11):1004–5

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim-sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

Pivmecillinam, co-trimoxazole and oral mecillinam in gastroenteritis due to Vibrio spp. Uylangco C, et al. **J Antimicrob Chemother** 1984 Feb;13(2):171–5

Norfloxacin versus cotrimoxazole in the treatment of uncomplicated urinary tract infections—a multi-centre trial. Watt B, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:89–94

Trimethoprim/sulfamethoxazole versus placebo: a double-blind comparison of infection prophylaxis in patients with small cell carcinoma of the lung. de Jongh CA, et al. **J Clin Oncol** 1983 May;1(5):302–7

The treatment of acute bronchitis with trimethoprim and sulfamethoxazole. Franks P, et al. **J Fam Pract** 1984 Aug; 19(2):185–90

Five-year absence of Pneumocystis carinii pneumonitis in a pediatric oncology center [letter] Hughes WT. **J Infect Dis** 1984 Aug;150(2):305–6

Listeria bacteremia and peritonitis associated with a peritoneovenous shunt: successful treatment with sulfamethoxazole and trimethoprim. Winslow DL, et al. **J Infect Dis** 1984 May;149(5):820

The anti-inflammatory action of flurbiprofen suppositories in paediatric urology in comparison with co-trimoxazole. Bono AV, et al. **J Int Med Res** 1984;12(2):128–31

Clinical assessment of a trimethoprim-sulfamethopyrazine combination (Kelfiprim) in lower respiratory tract infections. Harazim H, et al. **J Int Med Res** 1983; 11(4):197–204

A clinical trial of co-trimazine (sulfadiazine + trimethoprim) in flare-ups of chronic bronchitis. Leone G, et al. **J Int Med Res** 1984;12(1):1–9

Placebo-controlled double-blind evaluation of trimethoprim-sulfamethoxazole treatment of Yersinia enterocolitica gastroenteritis. Pai CH, et al. **J Pediatr** 1984 Feb;104(2):308–11

Long-term prophylaxis of urinary infections in women: comparative trial of trimethoprim, methenamine hippurate and topical povidone-iodine. Brumfitt W, et al. **J Urol** 1983 Dec;130(6):1110–4

Re: A study of the effectiveness of Rifaprim in chronic prostatitis caused mainly by Staphylococcus aureus [letter] Pfau A. **J Urol** 1983 Dec;130(6):1204–5

Prophylactic sulfamethoxazole and trimethoprim in ventriculoperitoneal shunt surgery. A double-blind, randomized, placebo-controlled trial. Wang EE, et al. **JAMA** 1984 Mar 2;251(9):1174–7

Pentamidine or co-trimoxazole for Pneumocystis carinii pneumonia [letter] Kochen MM, et al. **Lancet** 1983 Dec 3;2(8362):1300–1

Acute cystitis: a prospective study of laboratory tests and duration of therapy. Schultz HJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):391–7

Management of dysuria in women [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Jun;59(6):436–7

Single dose trimethoprim-sulfamethoxazole in acute cystitis. Compton AB. **Milit Med** 1983 Jul;148(7):622–3

Treatment of peritonitis in continuous ambulatory peritoneal dialysis patients with co-trimoxazole. Glasson P, et al. **Nephron** 1984;36(1):55–7

Comparison of augmentin with co-trimoxazole for treatment of uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1983 Nov 23;96(744):970–2

Comparison of cefaclor and trimethoprim-sulfamethoxazole in the treatment of acute otitis media. Blumer JL, et al. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):25–9

Trimethoprim-sulfamethoxazole therapy for relapses of Salmonella meningitis. Murphy TF, et al. **Pediatr Infect Dis** 1983 Nov-Dec;2(6):465–8

A multi-centre trial comparing a sulfamethopyrazine/trimethoprim combination with co-trimoxazole in respiratory tract infections. Colombo ML, et al. **Pharmatherapeutica** 1984;3(8):556–65

Pivmecillinam plus pivampicillin versus co-trimoxazole in patients undergoing transurethral prostate resection. Holmquist B, et al. **Pharmatherapeutica** 1984;3(10):686–91

Alpha heavy chain disease developing in an Asian resident in the United Kingdom and responding to antibiotics. Ross IN, et al. **Postgrad Med J** 1983 Jul;59(693):443–6

Rifampin alone and in combination with trimethoprim in chemoprophylaxis for infections due to Haemophilus influenzae type b. Glode MP, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S549–55

Short-course and single-dose antimicrobial therapy for chancroid in Kenya: studies with rifampin alone and in combination with trimethoprim. Plummer FA, et al. **Rev Infect Dis** 1983 Jul-Aug;5 Suppl 3:S565–72

Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of poultry: safety and palatability studies. Piercy DW, et al. **Vet Rec** 1984 Jan 21;114(3):60–2

Evaluation of a mixture of trimethoprim and sulphaquinoxaline for the treatment of bacterial and coccidial diseases of poultry. White G, et al. **Vet Rec** 1983

Dec 24–31;113(26–27):608–12
Oral rifampin and trimethoprim/sulfamethoxazole therapy in asymptomatic carriers of methicillin–resistant Staphylococcus aureus infections. Ellison RT 3d, et al. **West J Med** 1984 May;140(5):735–40
[Trimethoprim] Bartram R, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2283–6 (Eng. Abstr.) **(Dan)**
[Prevention of post–operative infections in urologic surgery. Comparative study of cotrimoxazole and cefazolin] Ragnaud JM, et al. **Pathol Biol (Paris)** 1983 May; 31(5):434–7 (Eng. Abstr.) **(Fre)**
[Antibiotic prophylaxis and therapy of febrile aplastic children with acute leukemia] Prindull G, et al. **Klin Padiatr** 1984 May–Jun;196(3):162–5 (Eng. Abstr.) **(Ger)**
[Trimethoprim with or without sulfonamides?] Gossius G, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1681–3 (Eng. Abstr.) **(Nor)**
[Changes in trimethoprim levels and its pharmacokinetic parameters in children with chronic renal failure treated with biseptol. I] Sieniawska M, et al. **Pediatr Pol** 1984 Mar; 59(3):177–87 (Eng. Abstr.) **(Pol)**
[Choice of treatment in recurrent urinary infections in childhood] Sánchez Bayle M, et al. **An Esp Pediatr** 1984 Jan;20(1):28–32 (Eng. Abstr.) **(Spa)**
[Mediterranean boutonneuse fever. Trimethoprim–sulfamethoxazole, treatment of choice (letter)] Marcos Sánchez F, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):236 **(Spa)**
[Treatment of urinary tract infections in children with trimethoprim–sulfamethoxypyridazine] Rodríguez W, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):402–6 (Eng. Abstr.) **(Spa)**
[Treatment of acute sinusal processes of adults with tetracycline and a combination of sulfamethopyrazine–trimethoprim] Otte J, et al. **Rev Med Chil** 1983 Nov;111(11):1157–61 (Eng. Abstr.) **(Spa)**

TOXICITY

Regulatory changes in the formation of chromosomal dihydrofolate reductase causing resistance to trimethoprim. Flensburg J, et al. **J Bacteriol** 1984 Jul;159(1):184–90
[Trial of trimedin action on chickens] Drunev D, et al. **Vet Med Nauki** 1983;20(9):87–95 (Eng. Abstr.) **(Bul)**

URINE

Determination of trimethoprim metabolites including conjugates in urine using high–performance liquid chromatography with combined ultraviolet and electrochemical detection. Nordholm L, et al. **J Chromatogr** 1984 Feb 10;305(2):391–9

TRIMETHOXYPHENETHYLAMINE see **MESCALINE**

TRIMETHYLSILYL COMPOUNDS see under **SILICON**

TRIMETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIMIPRAMINE see under **DIBENZAZEPINES**

TRINITROBENZENES see under **NITROBENZENES**

TRINITROBENZENESULFONIC ACID see under **NITROBENZENES**

TRINITROTOLUENE

ADVERSE EFFECTS

Allergic contact dermatitis from tetryl and trinitrotoluene. Goh CL. **Contact Dermatitis** 1984 Feb;10(2):108
Contact sensitivity to trinitrotoluene. Goh CL, et al. **Contact Dermatitis** 1983 Sep;9(5):433–4

PHARMACODYNAMICS

Trinitrotoluene–induced effects on rat heme metabolism. Tenhunen R, et al. **Exp Mol Pathol** 1984 Jun;40(3):362–6

TOXICITY

Activity of 2,4,6–trinitrotoluene in an in vitro mammalian gene mutation assay. Styles JA, et al. **Cancer Lett** 1983 Aug;20(1):103–8
Subchronic toxicity of trinitrotoluene in Fischer 344 rats. Levine BS, et al. **Toxicology** 1984 Sep 14;32(3):253–65
[Changes in the blood under the effect of low concentrations of trinitrotoluene (clinico–experimental study)] Gribova IA, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):24–8 (Eng. Abstr.) **(Rus)**

TRIOLEIN

Solubilization of triolein and cholesteryl oleate in egg phosphatidylcholine vesicles. Hamilton JA, et al. **J Biol Chem** 1983 Nov 10;258(21):12821–6

BLOOD

Estimation of 14C–triolein assimilation from postprandial serum radioactivity of 14C. Pedersen NT. **Scand J Clin Lab Invest** 1983 Sep;43(5):415–20

DIAGNOSTIC USE

Clinical evaluation of the 14C–Triolein Breath Test: a critical analysis. Butler RN, et al. **Aust NZ J Med** 1984 Apr; 14(2):111–3
Is the 14C–triolein breath test useful in the assessment of malabsorption in clinical practice? Benini L, et al. **Digestion** 1984;29(2):91–7
Use of the triolein breath test for the demonstration of fat malabsorption in coeliac disease. Akesson B, et al. **Scand J Gastroenterol** 1984 May;19(3):307–14
14C–triolein breath test as a rapid and convenient screening test for fat malabsorption. Einarsson K, et al. **Scand J Gastroenterol** 1983 Jan;18(1):9–12
Estimation of assimilation of simultaneously ingested 14C–triolein and 3H–oleic acid as a test of pancreatic digestive function. Thorsgaard Pedersen N. **Scand J Gastroenterol** 1984 Mar;19(2):161–6
[Methods of detecting steatorrhea: study of feces using microscopy and administration of a test using triolein labeled with radioactive carbon] Popović OS, et al. **Srp Arh Celok Lek** 1983 Jul;111(7):965–72 (Eng. Abstr.) **(Scc)**
[Triolein C14 breath test for the detection of the presence or absence of steatorrhea] Piqué JM, et al. **Med Clin (Barc)** 1983 Jul 2;81(4):151–4 (Eng. Abstr.) **(Spa)**

METABOLISM

Sequential hydrolysis of three acyl ester bonds in triolein molecule by human gastric juice lipase. Szafran Z, et al. **Enzyme** 1983;30(2):115–21
Hydrolysis of triolein in phospholipid vesicles and microemulsions by a purified rat liver acid lipase. Burrier RE, et al. **J Biol Chem** 1983 Oct 10;258(19):12043–50
Effect of ethanol on intestinal lipid absorption in the rat. Mansbach CM 2d. **J Lipid Res** 1983 Oct;24(10):1310–20
Solubility of fatty acids and other hydrophobic molecules in liquid trioleoylglycerol. Patton JS, et al. **J Lipid Res** 1984 Feb;25(2):189–97

TRIOSEPHOSPHATE DEHYDROGENASE see **GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE**

TRIOSEPHOSPHATE ISOMERASE see under **CARBOHYDRATE ISOMERASES**

TRIOSES

[The preservation of dihydroxyacetone as a function of the formulation] Bobin MF, et al. **Farmaco [Prat]** 1983 Nov; 38(11):415–28 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Assay of dihydroxyacetone in emulsions] Bobin MF, et al. **Farmaco [Prat]** 1983 Nov;38(11):403–14 (Eng. Abstr.) **(Fre)**

METABOLISM

Development of gluconeogenesis from dihydroxyacetone in rat hepatocytes during a feeding cycle and starvation. Azzout B, et al. **Biochem J** 1984 Mar 15;218(3):975–81
[Do non–equilibrium reactions in the glucose–to–triose phosphate pathway exist in the liver?] Kaminskiĭ IuG. **Biokhimiia** 1983 Jul;48(7):1080–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Dihydroxyacetone, pyruvate, and phosphate effects on 2,3 DPG and ATP in citrate–phosphate–dextrose–adenine blood preservation. Dawson RB, et al. **Transfusion** 1984 Jul–Aug;24(4):327–9

TRIOXOCHOLATE see **DEHYDROCHOLIC ACID**

TRIOXSALEN see under **PSORALENS**

TRIPARANOL

ANALOGS & DERIVATIVES

Reversal of acquired resistance to doxorubicin in P388 murine leukemia cells by tamoxifen and other triparanol analogues. Ramu A, et al. **Cancer Res** 1984 Oct;44(10):4392–5

PHARMACODYNAMICS

Effect of triparanol on cholesterol absorption in rhesus monkeys. Bhattacharyya AK, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):293–8
Reversal of acquired resistance to doxorubicin in P388 murine leukemia cells by tamoxifen and other triparanol analogues. Ramu A, et al. **Cancer Res** 1984 Oct;44(10):4392–5
Tissue–specific inhibition of ATPase activities in rat induced by triparanol feeding. Sen PC, et al. **Exp Eye Res** 1983 Aug;37(2):209–12

TRIPELENNAMINE

Accelerated development of pulmonary complications due to illicit intravenous use of pentazocine and tripelennamine. Itkonen J, et al. **Am J Med** 1984 Apr;76(4):617–22
Abuse of pentazocine combined with tripelennamine: an interaction of pharmacological and demographic characteristics. True WR, et al. **Int J Addict** 1983 Dec; 18(8):1063–71

ADMINISTRATION & DOSAGE

Effects of pentazocine and tripelennamine on analgesia. Cleary J, et al. **Pharmacol Biochem Behav** 1983 Dec; 19(16):911–5

PHARMACODYNAMICS

Increased brain uptake of morphine in the presence of the antihistamine tripelennamine. Vadlamani NL, et al. **J Pharm Pharmacol** 1984 Jan;36(1):61–3
Pharmacological studies on supersensitization. XI. Inhibitory effect of dibenamine on tripelennamine–N,N–dimethyl–N',N'–dibenzylethylenedia and N,N–dibenzyl–N', N'–dimethyl–1, 2–propanediamine–induced supersensitivity of isolated vas deferens of guinea pig. Araki K, et al. **J Pharmacobiodyn** 1983 Apr;6(4):239–45
Pharmacological studies on supersensitization. XII. Inhibitory effect of reserpine on tripelennamine–, N,N–dimethyl–N',N'–dibenzylethylenediamine– and N,N–dibenzyl–N',N'–dimethyl–1,2–propanediamine–induc supersensitivity of isolated vas deferens of guinea pig to acetylcholine. Araki K, et al. **J Pharmacobiodyn** 1983 Apr; 6(4):254–60
Potentiation of narcotic–induced antinociception by tripelennamine in morphine–tolerant and drug–naive mice. Tagashira E, et al. **J Pharmacol Exp Ther** 1984 Apr; 229(1):214–7
Analgesic potentiation and the distribution of morphine in the presence of triplennamine in mice. Bluhm RE, et al. **Life Sci** 1983;33 Suppl 1:673–6
Tripelennamine: enhancement of brain–stimulation reward. Unterwald EM, et al. **Life Sci** 1984 Jan 9;34(2):149–53
Tripelennamine and pentazocine alone and in combination: effects on interresponse–time–greater–than–t responding of rats. Grossett D, et al. **Pharmacol Biochem Behav** 1984 May; 20(5):697–700
Tripelennamine effects on body and organ weights, water intake, and several behaviors of rats. Nanry KP, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):821–5

TRIPHENYL COMPOUNDS see **TERPHENYL COMPOUNDS**

TRIPHENYLMETHYL COMPOUNDS see **TRITYL COMPOUNDS**

TRIPHOSPHOPYRIDINE NUCLEOTIDE see **NADP**

TRIPLE SYMPTOM COMPLEX see **BEHCET'S SYNDROME**

TRIPLETS

Triplet pregnancies in Linköping, Sweden, 1973–1981. Berg G, et al. **Acta Genet Med Gemellol (Roma)** 1983; 32(3–4):251–6
Discordant anencephaly in a set of triplets. D'Alton ME, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):71–3
Multiple birth rates in Japan: further analysis. Imaizumi Y, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):107–14
An unusual set of triplets: twin intrauterine pregnancy with singleton extrauterine pregnancy. Cario GM, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):51–4
Identical triplets with Asperger's syndrome. Burgoine E, et al. **Br J Psychiatry** 1983 Sep;143:261–5
Identical triplets with infantile autism and the fragile–X syndrome. Gillberg C. **Br J Psychiatry** 1983 Sep;143:256–60
Congenital toxoplasmosis in triplets. Wiswell TE, et al. **J Pediatr** 1984 Jul;105(1):59–61
Sonographic diagnosis of cephalothoracopagus in a triplet pregnancy. Hartung RW, et al. **J Ultrasound Med** 1984 Mar;3(3):139–41
Vesicoureteral reflux in triplets. Hayden LJ, et al. **J Urol** 1984 Sep;132(3):516–7
Triplet pregnancy in Lusaka. Parekh U, et al. **Med J Zambia** 1982 May–Jul;16(3):68–70
A review of 367 triplet pregnancies. Deale CJ, et al. **S Afr Med J** 1984 Jul 21;66(3):92–4
Congenital heart disease and ocular hypertelorism—a new case and a summary of the literature. Wang C, et al. **Thorac Cardiovasc Surg** 1984 Jun;32(3):184–6
[Development of twins and triplets hospitalized during the neonatal period. Methodology and results of a prospective pediatric and psychiatric study] Sauvage D, et al. **Neuropsychiatr Enfance Adolesc** 1984 Feb–Mar; 32(2–3):59–69 (Eng. Abstr.) **(Fre)**
[Paroxysmal AV tachycardia in triplets] von Knorre GH, et al. **Z Gesamte Inn Med** 1983 Jul 1;38(13):111–2 (Eng. Abstr.) **(Ger)**

TRIPROLIDINE see under **PYRIDINES**

TRIS BUFFER see **TROMETHAMINE**

TRISACCHARIDES see under **OLIGOSACCHARIDES**

TRISAMINE see **TROMETHAMINE**

TRISMUS

ETIOLOGY

Severe opisthotonus and trismus associated with water intoxication [letter] Eisbruch A, et al. **J R Soc Med** 1984 Feb;77(2):158

[Diagnosis of trismus, excluding tetanus and local causes] Devoize JL, et al. **Rev Stomatol Chir Maxillofac** 1983; 84(5):272–8 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Orthopaedic aspects of the trismus pseudocamptodactyly syndrome. O'Brien PJ, et al. **J Pediatr Orthop** 1984 Aug; 4(4):469–71

PSYCHOLOGY

Hysterical trismus: a diagnostic problem. Irvine GH, et al. **Br J Oral Maxillofac Surg** 1984 Jun;22(3):225–9

THERAPY

The true meaning of trismus: a review of tetanus. Slaton GD, et al. **J Arkansas Med Soc** 1983 Aug;80(3):133–9

TRISOMY

Partial trisomy 12p. A newborn child with karyotype 46,XY,der(11), t(11; 12) (q25; p11) mat. Case report and review. Ottolina de Bracamonte N, et al. **Acta Cient Venez** 1982;33(4):342–7

The Pelger–Huet anomaly: a new familial association with polydactyly and trisomy 13 syndrome [letter] Berman M, et al. **Acta Haematol (Basel)** 1983;70(4):275–6

Partial trisomy 16q in the son resulting from paternal 16/21 translocation. Kosanović M, et al. **Acta Med Iugosl** 1983; 37(4):335–40

Genetic counselling for trisomy 20 mosaicism in amniotic fluid cell cultures. Nisani R, et al. **Acta Obstet Gynecol Scand** 1984;63(3):273–5

Partial trisomy 3q (3q25——qter) syndrome in two siblings. Annerén G, et al. **Acta Paediatr Scand** 1984 Mar; 73(2):281–4

Autosomal trisomy 18 and 13 syndromes in Ibadan, Nigeria. Adeyokunnu AA. **Afr J Med Med Sci** 1983 Jun;12(2):81–9

Distal 15q trisomy: phenotypic comparison of nine cases in an extended family. Schnatterly P, et al. **Am J Hum Genet** 1984 Mar;36(2):444–51

Duplication of chromosome 10p: confirmation of regional assignments of platelet-type phosphofructokinase. Schwartz S, et al. **Am J Hum Genet** 1984 Jul;36(4):750–9

Hypoplastic left heart in a patient with 45,X/46,XX/47,XXX mosaicism. Bidot-López P, et al. **Am J Med Genet** 1978; 2(4):341–3

Analysis of the gross anatomical variations found in four cases of trisomy 13. Colacino SC, et al. **Am J Med Genet** 1978;2(1):31–50

Prenatal cytogenetic diagnosis: first 1,000 successful cases. Hsu LY, et al. **Am J Med Genet** 1978;2(4):365–83

Anatomical analysis of the developmental effects of aneuploidy in man—the 18-trisomy syndrome: II. Anomalies of the upper and lower limbs. Ramirez-Castro JL, et al. **Am J Med Genet** 1978;2(3):285–306

Acute leukemia associated with trisomy 8 mosaicism and a familial translocation 46,XY,t(7;20)(p13;p12). Riccardi VM, et al. **Am J Med Genet** 1978;2(1):15–21

Cat-eye syndrome with unusual marker chromosome probably not chromosome 22. Rosenfeld W, et al. **Am J Med Genet** 1984 May;18(1):19–24

Trisomy 18/trisomy 13 mosaicism in an adult with profound mental retardation and multiple malformations. Wilson WG, et al. **Am J Med Genet** 1983 Sep;16(1):131–6

'De Novo' trisomy 20p with macroorchidism in a prepuberal boy. Balestrazzi P, et al. **Ann Genet (Paris)** 1984;27(1):58–9

Partial trisomy 16q resulting from maternal translocation 11p/16q. Calva P, et al. **Ann Genet (Paris)** 1984;27(2):122–5

Distal trisomy 14q due to tandem duplication (q24 leads to q32). Orye E, et al. **Ann Genet (Paris)** 1983;26(4):238–9

Ring-14 and trisomy 14q in the same child. Pangalos C, et al. **Ann Genet (Paris)** 1984;27(1):38–40

Mild expression of 3qter trisomy due to a de novo (X;3)(p22.3;q25.3) translocation. Rivera H, et al. **Ann Genet (Paris)** 1984;27(2):112–4

Trisomy 6q22 leads to 6qter due to maternal 6;21 translocation. Case report review of the literature. Taysi K, et al. **Ann Genet (Paris)** 1983;26(4):243–6 (12 ref.)

Translocation t(11;14) and trisomy 11q13——qter in multiple myeloma. Venti G, et al. **Ann Genet (Paris)** 1984;27(1):53–5

Parental origin of autosomal trisomies. Hassold T, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):129–44

The theory of the pairing of telocentric chromosomes in triploids and trisomics. Kimber G, et al. **Can J Genet Cytol** 1984 Jun;26(3):231–6

A case of ALL with 4q trisomy. Kowalczyk JP, et al. **Cancer Genet Cytogenet** 1984 Jan;11(1):31–6

A case of acute myelomonocytic leukemia with bone marrow eosinophilia, pericentric inversion 16 and trisomy 8 [letter] Maseki N, et al. **Cancer Genet Cytogenet** 1984 Jun; 12(2):183–4

Trisomy X as a possible initial chromosome change in a gastric cancer. Ochi H, et al. **Cancer Genet Cytogenet** 1984 May;12(1):57–61

Erythrocyte glutathione reductase activity and acquired trisomy 8 in various hematologic disorders. Sadamori N, et al. **Cancer Genet Cytogenet** 1984 Jul;12(3):255–9

Inherited partial trisomy 15 complicated by neuroblastoma. Sanger WG, et al. **Cancer Genet Cytogenet** 1984 Feb; 11(2):153–9

An unusual case of double-outlet left ventricle. Balkin J, et al. **Cardiology** 1984;71(1):54–7

The triple X chromosome syndrome in childhood: recent empirical findings. Rovet J, et al. **Child Dev** 1983 Aug; 54(4):831–45

Partial trisomy 11q due to paternal t(11q;18p); further delineation of the clinical picture. de France HF, et al. **Clin Genet** 1984 Mar;25(3):295–9

Cystic hygroma and hydrops fetalis in a fetus with trisomy 13. Greenberg F, et al. **Clin Genet** 1983 Nov;24(5):389–91

Trisomy 10p produced by recombination involving complex paternal translocation between chromosomes 1 and 10. Herva R, et al. **Clin Genet** 1983 Jul;24(1):50–3

Partial trisomy 16q in two boys resulting from a maternal translocation, t(15;16)(p12;q11). Nevin NC, et al. **Clin Genet** 1983 Nov;24(5):375–9

Trisomy 7 and Potter syndrome. Pflueger SM, et al. **Clin Genet** 1984 Jun;25(6):543–8

Trisomy 9 (pter——q1 to q3): the phenotype as an objective aid to karyotypic interpretation. Preus M, et al. **Clin Genet** 1984 Jul;26(1):52–5

Problems of detecting mosaicism in skin. A case of trisomy 8 mosaicism illustrating the advantages of in situ tissue culture. Procter SE, et al. **Clin Genet** 1984 Mar;25(3):273–7

Trisomy 4p in four relatives: variability and lack of distinctive features in phenotypic expression. Reynolds JF, et al. **Clin Genet** 1983 Nov;24(5):365–74

Clinical delineation of proximal and distal partial 13q trisomy. Rogers JF. **Clin Genet** 1984 Mar;25(3):221–9

Partial trisomies 15 [letter] Tzancheva M. **Clin Genet** 1983 Jul;24(1):69–70

Five generations of t(4;8)(q35;q13) leading to a case of partial 8q trisomy with consideration of potential pregnancy outcomes from translocation carriers. Young RS, et al. **Clin Genet** 1984 Jun;25(6):522–7

Mouse trisomy 16 as an animal model of human trisomy 21 (Down syndrome): production of viable trisomy 16 diploid mouse chimeras. Cox DR, et al. **Dev Biol** 1984 Feb; 101(2):416–24

Partial trisomy 3p in two siblings: clinical and pathological findings. Van Regemorter N, et al. **Eur J Pediatr** 1983 Oct; 141(1):53–6

Partial trisomy for the distal part of chromosome 22 (22q12——qter) in a mentally retarded girl with congenital birth defects. Annerén G, et al. **Hereditas** 1984;100(1):115–9

Partial trisomy 15(q25qter) in two brothers. Kristoffersson U, et al. **Hereditas** 1984;100(1):7–10

Regional mapping of clotting factors VII and X to 13q34. Expression of factor VII through chromosome 8. de Grouchy J, et al. **Hum Genet** 1984;66(2–3):230–3

Four cases of partial trisomy 4p by preferential segregation in a familial 4p/17q balanced translocation. del Mazo J, et al. **Hum Genet** 1984;66(4):370

Cytogenetic studies of familial Prader-Willi syndrome. Hasegawa T, et al. **Hum Genet** 1984;65(4):325–30

Trisomy 16q13——qter in a infant from a t(11;16)(q25;q13) translocation-carrier father. Hatanaka K, et al. **Hum Genet** 1984;65(3):311–5

The phenotype in partial 13q trisomies, apropos of a familial (13;15)(q22;q26) translocation. Rivas F, et al. **Hum Genet** 1984;67(1):86–93

A de novo case of trisomy 10p: gene dosage studies of hexokinase, inorganic pyrophosphatase and adenosine kinase. Snyder FF, et al. **Hum Genet** 1984;67(2):187–9

Ineffectivity of accessory bisatellited marker chromosomes in inducing meiotic nondisjunction. Steinbach P, et al. **Hum Genet** 1983;64(4):402–3

Trisomy 11p15 and Beckwith-Wiedemann syndrome. A report of two cases. Turleau C, et al. **Hum Genet** 1984; 67(2):219–21

Regional mapping of hexokinase-1 within the short arm of chromosome 10. Dallapiccola B, et al. **Hum Hered** 1984; 34(3):156–60

Triplication of one chromosome No. 15 with an altered c-myc containing EcoRI fragment and elimination of the normal homologue in a T-cell lymphoma line of AKR origin (TIKAUT). Wirschubsky Z, et al. **Int J Cancer** 1984 Apr 15;33(4):477–81

Further studies on the asymmetry of chromosome 15 duplication in trisomic leukemias of heterozygous origin: preferential status of the AKR chromosome. Wirschubsky Z, et al. **Int J Cancer** 1984 Aug 15;34(2):249–54

Triple X and erythroleukaemia. Mulhern B, et al. **Ir J Med Sci** 1983 Oct;152(10):390–1

Trisomy 9 mosaicism: another etiology for the manifestations of Goldenhar syndrome. Wilson GN, et al. **J Craniofac Genet Dev Biol** 1983;3(4):313–6

Murine trisomy: developmental profiles of the embryo, and isolation of trisomic cellular systems. Gropp A, et al. **J Exp Zool** 1983 Nov;228(2):253–69

Protein variations associated with in vitro aging of human fibroblasts and quantitative limits on the error catastrophe hypothesis. Van Keuren ML, et al. **J Gerontol** 1983 Nov; 38(6):645–52

An analysis of the parental age effect for inv dup (15). Connor JM, et al. **J Med Genet** 1984 Jun;21(3):213–4

Inv dup (15) with mental retardation but few dysmorphic features. Gilmore DH, et al. **J Med Genet** 1984 Jun; 21(3):221–3

Complete trisomy 5p owing to de novo translocation t(5;22)(q11;p11) with isochromosome 5p associated with a familial pericentric inversion of chromosome 2, inv 2(p21q11). Orye E, et al. **J Med Genet** 1983 Oct;20(5):394–6

Partial trisomy 14q24 leads to qter. Romain DR, et al. **J Med Genet** 1983 Dec;20(6):466–7

Trisomy 1q24——1q41 in two sibs with an insertion in an inverted chromosome 4. Stoll C, et al. **J Med Genet** 1984 Apr;21(2):133–5

Trisomy 5p: a second case occurring in a previously described kindred. Vowles M, et al. **J Med Genet** 1984 Apr;21(2):144–6

49,XXYY, +18 in a liveborn male. Webb GC, et al. **J Med Genet** 1984 Jun;21(3):232

Trisomy 18 phenotype in a patient with an isopseudodicentric 18 chromosome. Wulfsberg EA, et al. **J Med Genet** 1984 Apr;21(2):151–3

Neurochemical changes in murine trisomy 16: delay in cholinergic and catecholaminergic systems. Ozand PT, et al. **J Neurochem** 1984 Aug;43(2):401–8

Trisomy 18: Edward's syndrome (a case report of 3 cases). Bharucha BA, et al. **J Postgrad Med** 1983 Apr;29(2):129–32

Partial trisomy for 7p due to maternal balanced translocation. Ohdo S, et al. **Jinrui Idengaku Zasshi** 1983 Dec; 28(4):297–300

A case of mosaic trisomy 14 due to an isochromosome, i(14q). Ozawa N, et al. **Jinrui Idengaku Zasshi** 1984 Mar; 29(1):69–76

Urea-resistant neutrophil alkaline phosphatase in mothers with trisomy 21 pregnancy [letter] Grozdea J, et al. **Lancet** 1983 Oct 1;2(8353):799–800

Trisomy 18, cystic fibrosis, and blood immunoreactive trypsin [letter] Heeley AF, et al. **Lancet** 1984 Jan 21;1(8369):169–70

Selective involvement of cells carrying extra chromosomes 21 in a child with acute non-lymphocytic leukaemia [letter] Teyssier JR, et al. **Lancet** 1984 Feb 4;1(8371):290–1

Case report of a prenatal diagnosis of trisomy 13. Hisanaga S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):456–8

Autoimmunity in a patient with 47,XXX karyotype. Michalak DP, et al. **Obstet Gynecol** 1983 Nov;62(5):667–9

Adrenal hypofunction and trisomy 18. Turner M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):84S–85S

Prenatal prediction of duplication 10q24 leads to qter by gene dosage of GOT1 on uncultured amniotic cells. Dallapiccola B, et al. **Prenat Diagn** 1983 Oct;3(4):337–41

Significance of specific chromosomal translocations and trisomies for the genesis of murine and human tumors of the lymphocyte-plasmacyte lineage. Klein G. **Prog Nucleic Acid Res Mol Biol** 1983;29:35–8

The eye and the chromosome. Mets MB, et al. **Surv Ophthalmol** 1983 Jul-Aug;28(1):20–32 (114 ref.)

A partial duplication of the short arm of chromosome 20. Wuu SW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct; 82(10):1088–92

Morphologic development of the fetal trisomy 19 mouse. Bersu ET. **Teratology** 1984 Feb;29(1):117–29

Gross anatomical studies of a newborn with the Meckel syndrome. Pettersen JC. **Teratology** 1983 Oct;28(2):157–64

Autosomal trisomy in a calf. Long SE. **Vet Rec** 1984 Jul 7;115(1):16–7

[Familial case of a balanced chromosomal translocation (7;8)(q11;p23) as a cause of reproductive failure] Georgieva V, et al. **Akush Ginekol (Sofiia)** 1983;22(5):409–14 (Eng. Abstr.) **(Bul)**

[De novo appearance of a partial trisomy 1q in mosaic due to a 1;9 translocation] Gagnon JA, et al. **Ann Genet (Paris)** 1984;27(1):33–7 (Eng. Abstr.) **(Fre)**

[Pure trisomy 13q13-qter caused by aneusomic recombination of a maternal pericentric inversion] Lucas J, et al. **Ann Genet (Paris)** 1983;26(3):187–90 (Eng. Abstr.) **(Fre)**

[Cri-du-chat syndrome and trisomy 8p due to a paternal translocation t(5;8)(p1409;p12)] Rethoré MO, et al. **Ann Genet (Paris)** 1984;27(2):118–21 (Eng. Abstr.) **(Fre)**

[Double trisomy and transmitted pericentric inversion (48,XXY, +21,inv(22)). Interchromosomal effect] Saura R, et al. **Ann Genet (Paris)** 1983;26(3):180–2 (Eng. Abstr.) **(Fre)**

[Trisomy 7. Internal intersexuality (masculine uterus) and severe abnormality of the anterior chamber of the eye] Turleau C, et al. **Ann Genet (Paris)** 1984;27(2):115–7 (Eng. Abstr.) **(Fre)**

[Distal 14q trisomy] Turleau C, et al. **Ann Genet (Paris)** 1983; 26(3):165–70 (Eng. Abstr.) **(Fre)**

[Phenocopy of trisomy 13, early gestational hyperthermia and folate deficiency (letter)] Harpey JP, et al. **Arch Fr Pediatr** 1984 May;41(5):369 **(Fre)**

[Partial trisomy 9 (p 12—q ter), 'de novo' in mosaic] Ioan D, et al. **Endocrinologie** 1984 Apr-Jun;22(2):141–6 **(Fre)**

[Secondary 18q2 due to a paternal double translocation] Bourrouillou G, et al. **J Genet Hum** 1983 Sep;31(3):243–9 (Eng. Abstr.) **(Fre)**

[The placenta in trisomy in the last trimester of pregnancy] Oberweis D, et al.

J Gynecol Obstet Biol Reprod (Paris) 1983;12(4):345–9 (Eng. Abstr.) (Fre)

[Trisomy 4p. Mirror duplication of the short arm of chromosome 4 de novo] Boyer JP, et al. Neuropsychiatr Enfance Adolesc 1983 Jul;31(7):319–21 (Eng. Abstr.) (Fre)

[Association of trisomy 21 and gonosomal trisomy. Apropos of 2 cases] Castel Y, et al. Pediatrie 1983 Jun;38(4):235–41 (Eng. Abstr.) (Fre)

[17p trisomy] Rethoré MO, et al. Sem Hop Paris 1983 Jul 7;59(27–28):2039–42 (Eng. Abstr.) (Fre)

[Extreme tissue mosaicism in trisomy 8 syndrome. Trisomy 8 in fibroblasts and normal karyotype in lymphocytes] Meisel-Stosiek M, et al. Klin Padiatr 1983 Sep–Oct; 195(5):365–8 (Eng. Abstr.) (Ger)

[Pulmonary agenesis in partial trisomy 2 p and 21 q] Schober PH, et al. Klin Padiatr 1983 Jul–Aug;195(4):291–3 (Eng. Abstr.) (Ger)

[Patau syndrome with unusual chromosomal features] Friend K, et al. Harefuah 1983 Apr 1;104(7):279–80 (Eng. Abstr.) (Heb)

[Trisomy 7 in a case of acute myelomonocytic leukemia] Palka G, et al. Haematologica (Pavia) 1983 Nov–Dec; 68(6):824–5 (Ita)

[Long-term study (7 years and 8 months) of a case of trisomy 13 with long survival] de Toni T, et al. Minerva Pediatr 1983 Oct 15;35(19):951–4 (Eng. Abstr.) (Ita)

[Partial chromosomal aberrations. Considerations on a case of trisomy 21 caused by rob translocation (14; 21)] Infortuna M, et al. Minerva Pediatr 1983 Oct 31;35(20):995–1000 (Eng. Abstr.) (Ita)

[A case of 3q21-qter trisomy and 3p25-pter monosomy syndrome] Migliori V, et al. Pediatr Med Chir 1983 Jul–Aug;5(4):237–39 (Eng. Abstr.) (Ita)

[Partial trisomy 9q: description of a new case] Pirovano S, et al. Pediatr Med Chir 1983 Mar–Apr;5(1–2):111–3 (Eng. Abstr.) (Ita)

[Case of partial trisomy 8q with empty sella] Kita K, et al. Nippon Naika Gakkai Zasshi 1983 Nov;72(11):1578–82 (Jpn)

[Chromosome 8 trisomy in mosaicism (46,XX/47, + 8)] Rogóyski A, et al. Pediatr Pol 1984 Feb;59(2):135–8 (Pol)

[Partial trisomy of chromosome 22 in an infant] Rogóyski A, et al. Pediatr Pol 1983 Jun;58(6):561–4 (Pol)

[Mosaic trisomy 18 associated with Jeune syndrome] Hurgoiu V, et al. Rev Pediatr Obstet Ginecol [Pediatr] 1984 Jan–Mar;33(1):79–83 (Eng. Abstr.) (Rum)

[Trisomy 22] Hurgoiu V, et al. Rev Pediatr Obstet Ginecol [Pediatr] 1983 Apr–Jun; 32(2):181–5 (Eng. Abstr.) (Rum)

[Trisomy 13 with Turner's syndrome] Hurgoiu V, et al. Rev Pediatr Obstet Ginecol [Pediatr] 1983 Jul–Sep; 32(3):235–40 (Eng. Abstr.) (Rum)

[Morphology of organs of the immune system in perinatally dying babies with autosomal trisomies] Voloshchuk IN. Arkh Patol 1983;45(10):14–21 (Eng. Abstr.) (Rus)

[Karyotype of leukemic cells in chronic myeloid leukemia in children] Puchkova GP, et al. Gematol Transfuziol 1984; 29(5):22–5 (Eng. Abstr.) (Rus)

[Unusual clinical symptoms in a 10-year-old proband with 18th chromosome mosaic trisomy (Edwards' syndrome)] Pilosov RA, et al. Pediatriia 1983 Jul;(7):68 (0 ref.) (Rus)

[Trisomy 20p] Zergollern L, et al. Acta Med Iugosl 1984; 38(1):69–75 (Eng. Abstr.) (Scr)

[The 6q partial trisomy syndrome] Zergollern L, et al. Lijec Vjesn 1984 May;106(5):193–5 (Eng. Abstr.) (Scr)

TRITERPENES

Interaction of hopanoids with phosphatidylcholines containing oleic and omega-cyclohexyldodecanoic acid in lipid bilayer membranes. Benz R, et al. Chem Phys Lipids 1983 Dec;34(1):7–24

ANALYSIS

The triterpenoid carotenoids and related terpenoids in Staphylococcus aureus 209P. Taylor RF, et al. Can J Biochem Cell Biol 1983 Aug;61(8):892–905

Triterpene glycosides from sea cucumber Stichopus japonicus Selenka. Maltsev II, et al. Comp Biochem Physiol [B] 1984; 78(2):421–6

Herbal remedies of the Maritime Indians: phytosterols and triterpenes of 67 plants. Hooper SN, et al. J Ethnopharmacol 1984 Apr;10(2):181–94

Plant antitumor agents. 19. Novel triterpenes from Maprounea africana. Wani MC, et al. J Nat Prod 1983 Jul–Aug;46(4):537–43

BIOSYNTHESIS

The effect of cholesterol on ubiquinone and tetrahymanol biosynthesis in Tetrahymena pyriformis. Wilton DC. Biochem J 1983 Oct 15;216(1):203–6

IMMUNOLOGY

[Capacity of triterpene glycosides from holothurians to stimulate antibacterial resistance in a model of experimental murine salmonellosis] Sedov AM, et al. Zh Mikrobiol Epidemiol Immunobiol 1984 May;(5):55–8 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Competitive solid phase enzyme-linked immunoassay for the quantification of limonin in citrus. Jourdan PS, et al. Anal Biochem 1984 Apr;138(1):19–24

The toxic principles of Naematoloma fasciculare. Suzuki K, et al. Chem Pharm Bull (Tokyo) 1983 Jun;31(6):2176–8

Plant anticancer agents. XXX: Cucurbitacins from Ipomopsis aggregata (Polemoniaceae). Arisawa M, et al. J Pharm Sci 1984 Mar;73(3):411–3

[Constituents of Artemisia rubripes Nakai] Lao A, et al. Yakugaku Zasshi 1983 Jun;103(6):596–9 (Eng. Abstr.) (Jpn)

[Studies on the constituents of fructus Momordicae. III. Structure of mogrosides] Takemoto T, et al. Yakugaku Zasshi 1983 Nov;103(11):1167–73 (Eng. Abstr.) (Jpn)

[Studies on the constituents of fructus Momordicae. I. On the sweet princple] Takemoto T, et al. Yakugaku Zasshi 1983 Nov;103(11):1151–4 (Eng. Abstr.) (Jpn)

PHARMACODYNAMICS

Inhibition of the biosynthesis of deoxyribonucleic acid, ribonucleic acid and protein in HeLa S3 cells by cucurbitacins, glucocorticoid-like cytotoxic triterpenes. Witkowski A, et al. Biochem Pharmacol 1984 Apr 1; 33(7):995–1004

[New information on the biological properties of various triterpene saponins] Lutomski J. Pharm Unserer Zeit 1983 Sep;12(5):149–53 (Ger)

[Role of sterols in the membranotropic activity of triterpene glycosides] Popov AA, et al. Antibiotiki 1983 Sep; 28(9):656–9 (Eng. Abstr.) (Rus)

TOXICITY

Relationships between the structures of taxol and baccatine III derivatives and their in vitro action on the disassembly of mammalian brain and Physarum amoebal microtubules. Lataste H, et al. Proc Natl Acad Sci USA 1984 Jul; 81(13):4090–4

TRITIUM

Non-invasive, kinetic measurements of [3H]nitrendipine binding to isolated rat myocytes by condensed phase radioluminescence. von Tscharner V, et al. FEBS Lett 1983 Oct 3;162(1):185–8

Regarding 'Statistical dosimetry of radiation to oocytes from DNA-bound tritium' by Slatkin and Commerford [letter] Johnson JR. Health Phys 1984 Apr;46(4):957–8

Isotope effects of tritium in a ligand-antibody binding. Xing S, et al. Int J Appl Radiat Isot 1983 Jul;34(7):957–8

Comparison of biodistribution of 3H, 32P and 99mTc labeled Gpp(NH)p in tumor bearing hamsters. Zeichner SJ, et al. Int J Nucl Med Biol 1984;11(1):25–6

The toxicity of tritium: the effects of tritiated amino-acids on preimplanted mouse embryos. Clerici L, et al. Int J Radiat Biol 1984 Mar;45(3):245–50

Sister chromatid exchanges in bone marrow cells of mice maintained on tritiated water. Ikushima T, et al. Int J Radiat Biol 1984 Mar;45(3):251–6

A single column method to measure hydrogen—tritium exchange by gel chromatography. Collawn JF Jr, et al. J Biochem Biophys Methods 1983 Jul;7(4):311–5

The isotope effect of tritium in 3H-(–)-adrenaline with very high specific activity. Grohmann M, et al. Naunyn Schmiedebergs Arch Pharmacol 1983 Nov; 324(3):233–4

Application of radioactive precursors for the evaluation of sensitivity of cancer cells to anticancer drugs. Ichihashi H, et al. Oncology 1984;41(2):88–95

Ionizing radiation and tritium transmutation both cause formation of 5-hydroxymethyl-2'-deoxyuridine in cellular DNA. Teebor GW, et al. Proc Natl Acad Sci USA 1984 Jan;81(2):318–21

Molecular aspects of tritiated water and natural water in radiation biology. Mathur-De Vré R, et al. Prog Biophys Mol Biol 1984;43(2):161–93 (132 ref.)

Occurrence of mammary tumors in rats after exposure to tritium beta rays and 200-kVp X rays. Gragtmans NJ, et al. Radiat Res 1984 Sep;99(3):636–50

The induction of chromosome aberrations in human lymphocytes by in vitro irradiation with beta particles from tritiated water. Vulpis N. Radiat Res 1984 Mar;97(3):511–8

Synthesis of [N-methyl-3H]-7-chloro-1,3-dihydro-5-(2-fluorophenyl) H-1,4-benzodiazepin-2- one (3H-fludiazepam) by phase transfer catalysis. Uozumi F, et al. Radioisotopes 1984 Jan; 33(1):26–9

[Structure and catabolism of DNA in bone marrow and spleen cells exposed to tritium oxide and 137Cs gamma radiation] Rusinova GG, et al. Med Radiol (Mosk) 1984 Jul;29(7):66–9 (Rus)

[Comparison of the structure and catabolism of rat thymus DNA exposed to tritium oxide and gamma-radiation in equal doses] Rusinova GG, et al. Radiobiologiia 1984 May–Jun;24(3):344–7 (Eng. Abstr.) (Rus)

[Reaction of mouse hematopoietic stem cells on gamma-irradiation and exposure to tritium oxide] Zhukova IV, et al. Radiobiologiia 1983 Nov–Dec;23(6):823–4 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Effects of tritiated water ingestion on mice: III. Hexokinase isozymes in brain, liver and spleen up to five generations. Sharan RN, et al. Int J Radiat Biol 1984 Jul;46(1):83–93

Qualitative and quantitative studies on the stress of internal tritiated environment on developing mouse liver. Bhatia AL, et al. J Nucl Med Allied Sci 1983 Oct–Dec; 27(4):297–302

ANALYSIS

Reconstruction of environmental tritium levels from wine analysis. Kozák K, et al. Health Phys 1984 Jan; 46(1):193–203

The effect of release height and atmospheric stability on the rate of oxidation of an airborne tritium plume. Ogram GL. Health Phys 1984 Jun;46(6):1306–9

Dose estimation from chronic tritium exposure using tritium concentrations in urine and hair. Pietrzak-Flis Z, et al. Health Phys 1984 Feb;46(2):460–4

Analysis of tritiated water vapor by non-volatile liquid scintillant sorbent. Kato T. Int J Appl Radiat Isot 1983 Dec;34(12):1593–5

Vial effect and background subtraction method in low-level tritium measurement by liquid scintillation counter. Momoshima N, et al. Int J Appl Radiat Isot 1983 Dec; 34(12):1623–6

Fluorographic detection of tritium-labelled proteins in immunoelectrophorograms with the water-soluble fluor, sodium salicylate. Manteuffel R, et al. J Biochem Biophys Methods 1983 Jul;7(4):293–7

[Content of organically bound tritium in rat organs and tissues] Balonov MI, et al. Gig Sanit 1983 Aug;(8):76–8 (6 ref.) (Rus)

DIAGNOSTIC USE

A rapid and convenient preparation of [4-3H]NADP and stereospecifically tritiated NADP3H. Moran RG, et al. Anal Biochem 1984 Apr;138(1):196–204

Synthesis of N-acetyllactosamine containing a D-[6-3H]galactopyranosyl group. Plessas NR, et al. Carbohydr Res 1984 Jul 1;129:143–7

Mitotic and labelling activity in normal human epidermis in vivo. Camplejohn RS, et al. Cell Tissue Kinet 1984 Jul; 17(4):315–22

Acute changes in renal function: validation of a simple isotopic technique for the measurement of renal clearance. Whiteneck JM, et al. Curr Surg 1983 Sep–Oct;40(5):365–8

Tritiated 2-deoxy-D-glucose: a high-resolution marker for autoradiographic localization of brain metabolism. Hammer RP Jr, et al. J Comp Neurol 1984 Jan 1;222(1):128–39

Diagnosis of Tay-Sachs disease using radiolabelled chondroitin 6-sulphate-derived trisaccharides. Yutaka T, et al. J Inherited Metab Dis 1983;6(3):135–6

The characteristics of I-125 4-IQNB and H-3 QNB in vivo and in vitro. Gibson RE, et al. J Nucl Med 1984 Feb; 25(2):214–22

METABOLISM

gamma-butyrobetaine hydroxylase: primary and secondary tritium kinetic isotope effects. Blanchard JS, et al. Biochemistry 1983 Dec 6;22(25):5922–9

Tritium distribution and excretion following intratracheal instillation of glass microballoon fragments in rats. Cool DA, et al. Health Phys 1984 Mar;46(3):599–606

An age-dependent model of tritium metabolism following mixed (organic/inorganic) intakes. Crawford-Brown DJ. Health Phys 1984 Apr;46(4):924–8

A modified method for measurement of radiotracer permeation across the rat blood—brain barrier: the problem of correcting brain uptake for intravascular tracer. Preston E, et al. J Neurosci Methods 1983 Sep;9(1):45–55

[Dynamics of the penetration of water from hydrophilic contact lenses into the eye and central nervous system] Hoskovcová-Krejčová H, et al. Cesk Oftalmol 1983 Nov; 39(6):419–23 (Eng. Abstr.) (Cze)

PHARMACODYNAMICS

Effects of tritiated uridine and tritiated histidine on survival of Chinese hamster cells at -196 degrees C. Panter HC. Cytobios 1983;38(150):107–14

Effect of lifetime intake of organically bound tritium and tritiated water on the oocytes of rats. Pietrzak-Flis Z, et al. Radiat Environ Biophys 1984;23(1):61–8

Mutation by [5-3H]cytosine decay in DNA of Escherichia coli lacking uracil-DNA glycosylase activity. Bockrath R, et al. Radiat Res 1983 Dec;96(3):635–40

Spectra of base substitution mutations induced in Escherichia coli by tritiated water and the decay of incorporated tritiated thymidine. Ise T, et al. Radiat Res 1984 Jan; 97(1):200–10

[Mutagenic action of tritium on the germ cells of male mice. I. The induction of dominant lethal mutations by tritium oxide and an assessment of its relative biological effectiveness] Balonov MI, et al. Genetika (Moskva) 1984 Feb;20(2):224–32 (Eng. Abstr.) (Rus)

[Mutagenic action of tritium on the germ cells of male mice. II. The genetic damages in stem spermatogonia induced

by tritium oxide and gamma radiation] Pomerantseva MD, et al. **Genetika (Moskva)** 1984 May;20(5):782–7 (Eng. Abstr.) **(Rus)**

[Relative biological effectiveness of tritium oxide by the criterion of death of the germ cells in mice] Balonov MI, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):114–7 (Eng. Abstr.) **(Rus)**

TOXICITY

[Basis for standards of human body uptake of tritiated amino acids] Zhesko TV, et al. **Gig Sanit** 1984 May;(5):20–2 (Eng. Abstr.) **(Rus)**

[Lethal and mutagenic activity of tritiated water and incorporated [3H-methyl]-thymidine on extracellular phage lambda] Konevega LV, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):167–72 (Eng. Abstr.) **(Rus)**

URINE

Tritium excretion and ambient temperature [letter] Cawley CN, et al. **Health Phys** 1984 May;46(5):1155–7

Models of tritium excretion following prolonged occupational exposure. Cawley CN, et al. **Health Phys** 1984 Jul;47(1):102–6

Internal contamination of radiological workers by tritium compounds at two universities in The Netherlands. Duijsings JH, et al. **Health Phys** 1984 Mar;46(3):665–9

A model of urinary tritium following multiple contaminations [letter] Kinslow R, et al. **Health Phys** 1984 May; 46(5):1154–5

TRITOLYL PHOSPHATES see under **CRESOLS**

TRITONS see **POLYETHYLENE GLYCOLS**

TRITRICHOMONAS

DRUG EFFECTS

Differential effects of inhibitors of purine metabolism on two trichomonad species. Wang CC, et al. **Biochem Pharmacol** 1984 Apr 15;33(8):1323–9

Tritrichomonas foetus: stable anaerobic resistance to metronidazole in vitro. Kulda J, et al. **Exp Parasitol** 1984 Feb;57(1):93–103

ENZYMOLOGY

Distinct reduction of nitrofurans and metronidazole to free radical metabolites by Tritrichomonas foetus hydrogenosomal and cytosolic enzymes. Moreno SN, et al. **J Biol Chem** 1984 Jul 10;259(13):8252–9

An iron-containing superoxide dismutase in Tritrichomonas foetus. Kitchener KR, et al. **Mol Biochem Parasitol** 1984 May;12(1):95–9

GROWTH & DEVELOPMENT

A new method for the serial cultivation of Tritrichomonas muris. Saeki H, et al. **Nippon Juigaku Zasshi** 1983 Apr; 45(2):151–6

IMMUNOLOGY

Therapeutic immunisation of bulls with the membranes and glycoproteins of Tritrichomonas foetus var. brisbane. Clark BL, et al. **Aust Vet J** 1984 Feb;61(2):65–6

METABOLISM

Tritrichomonas foetus: partly defined cultivation medium for study of the purine and pyrimidine metabolism. Wang CC, et al. **Exp Parasitol** 1984 Feb;57(1):68–75

Hydrogenosomal ferredoxin of the anaerobic protozoon, Tritrichomonas foetus. Marczak R, et al. **J Biol Chem** 1983 Oct 25;258(20):12427–33

Pyrimidine metabolism in Tritrichomonas foetus. Jarroll EL, et al. **J Parasitol** 1983 Oct;69(5):846–9

Metabolic differences between metronidazole resistant and susceptible strains of Tritrichomonas foetus. Cerkasovová A, et al. **Mol Biochem Parasitol** 1984 Apr;11:105–18

Purine salvage by Tritrichomonas foetus. Wang CC, et al. **Mol Biochem Parasitol** 1983 Aug;8(4):325–37

ULTRASTRUCTURE

Fine structure and cytochemistry of the hydrogenosome of Tritrichomonas foetus. Benchimol M, et al. **J Protozool** 1983 May;30(2):422–5

A freeze-fracture electron microscope study of Trichomonas vaginalis Donné and Tritrichomonas foetus (Riedmüller). Honigberg BM, et al. **J Protozool** 1984 Feb;31(1):116–31

TRITURUS

ANATOMY & HISTOLOGY

Ultrastructural study and cholinesterase activity of paired capillaries in the newt brain. Ciani F, et al. **J Hirnforsch** 1984;25(1):11–20

[Microscopic anatomy of the triton kidney] Goncharevskaia OA, et al. **Arkh Anat Gistol Embriol** 1984 Jan;86(1):95–100 (Eng. Abstr.) **(Rus)**

[Radioautographic study of cell proliferation in the pigment epithelium of tritons after transplantation into the cavity of a lens-free eye] Mitashov VI, et al. **Ontogenez** 1984 Jan–Feb;15(1):49–54 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Single channel ion currents in embryonic cells of the newt (Triturus vulgaris) isolated without enzymatic treatment. Talo A, et al. **Acta Physiol Scand** 1983 Nov;119(3):299–301

[Relative characteristics of the duration of embryonic development in Triturus vulgaris] Detlaf TA. **Ontogenez** 1984 May–Jun;15(3):311–3 (Eng. Abstr.) **(Rus)**

GENETICS

Chromosome and C-heterochromatin polymorphisms in the Italian newt, Triturus italicus. Bucci-Innocenti S, et al. **Chromosoma** 1983;88(3):208–15

METABOLISM

The effects of thyroidectomy on androgen and prolactin receptors in the dorsal skin and caudal fin of Triturus cristatus carnifex. d'Istria M, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):153–8

Lumen-positive chloride transport potential in the early distal tubule of Triturus kidney: its absolute dependence on the presence of Na+ and K+ in the luminal fluid. Hoshi T, et al. **Jpn J Physiol** 1983;33(5):855–61

Cadmium, copper and zinc-binding protein (metallothionein) in the liver of the water lizard Triturus pyrrhogaster. Suzuki KT, et al. **Toxicol Lett** 1984 May;21(2):179–84

PHYSIOLOGY

Are the primordial germ cells (PGCs) in urodela formed by the inductive action of the vegetative yolk mass? Michael P. **Dev Biol** 1984 May;103(1):109–16

The form and structure of supernumerary hindlimbs formed following skin grafting and nerve deviation in the newt Triturus cristatus. Reynolds S, et al. **J Embryol Exp Morphol** 1983 Oct;77:221–41

[Radioautographic study of nonhistone protein synthesis in the process of lens and retina regeneration in adult tritons] Mitashov VI, et al. **Ontogenez** 1983 Jul–Aug;14(4):390–7 (Eng. Abstr.) **(Rus)**

TRITYL COMPOUNDS

Use of triphenylmethyl (trityl) amino protecting group in the synthesis of ketomethylene analogues of peptides. Johnson RL, et al. **Int J Pept Protein Res** 1984 Jun; 23(6):581–90

PHARMACODYNAMICS

Rapid laser flash photoaffinity labeling of binding sites for a noncompetitive inhibitor of the acetylcholine receptor. Muhn P, et al. **Biochemistry** 1984 Jun 5;23(12):2725–30

TROCHLEAR NERVE

Traumatic fourth nerve palsy. Clinicoanatomic correlations with computed tomographic scan. Lavin PJ, et al. **Arch Neurol** 1984 Jun;41(6):679–80

Recurrent subtemporal epidural hematoma with second, third and fourth cranial nerve compression. Ramirez RE, et al. **Comput Radiol** 1984 Jan–Feb;8(1):37–41

Isolated trochlear nerve palsy secondary to a juvenile pilocytic astrocytoma. Krohel GB, et al. **J Clin Neuro Ophthalmol** 1982 Jun;2(2):119–23

[Trochlear neurinoma: case report] Yamamoto M, et al. **No Shinkei Geka** 1984 Mar;12(4):493–7 (Eng. Abstr.) **(Jpn)**

[Case of Tolosa-Hunt syndrome presenting trochlear nerve palsy and Horner's syndrome] Kuroda Y, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):495–500 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Neuro-anatomical feature photo: mesencephalon. Barton NB, et al. **J Clin Neuro Ophthalmol** 1982 Dec;2(4):283–4

SURGERY

Return of function after intracranial suture of the trochlear nerve. Case report. Grimson BS, et al. **J Neurosurg** 1984 Jul;61(1):191–2

TROLEANDOMYCIN see **TRIACETYLOLEANDOMYCIN**

TROMBICULIASIS see under **MITE INFESTATIONS**

TROMBICULID MITES see under **MITES**

TROMETAMOL see **TROMETHAMINE**

TROMETHAMINE

Tris buffer—a case for caution in its use in copper-containing systems [letter] McPhail DB, et al. **Biochem J** 1984 Jul 15;221(2):559–60

Comparison of glycerol and a zwitter ion buffer system as cryoprotective media for human spermatozoa. Effect on motility, penetration of zona-free hamster oocytes, and acrosin/proacrosin. Jeyendran RS, et al. **J Androl** 1984 Jan–Feb;5(1):1–7

Dissolution kinetics of uric acid calculi. Burns JR, et al. **J Urol** 1984 Apr;131(4):708–11

ANALOGS & DERIVATIVES

Effect of lodoxamide on the secretory response induced by Escherichia coli and Vibrio cholerae enterotoxins in infant mice. Knoop FC, et al. **Infect Immun** 1984 May;44(2):406–8

Comparison of glycerol and a zwitter ion buffer system as cryoprotective media for human spermatozoa. Effect on motility, penetration of zona-free hamster oocytes, and acrosin/proacrosin. Jeyendran RS, et al. **J Androl** 1984 Jan–Feb;5(1):1–7

Determination of lodoxamide in plasma using ion-pairing and reversed-phase high-performance liquid chromatography. Honigberg IL, et al. **J Chromatogr** 1983 Aug 12; 276(1):213–7

ANALYSIS

Gas chromatographic determination of tris(hydroxymethyl)amino-methane in pharmaceutical preparations after silylation. Vincent G, et al. **J Chromatogr** 1984 Jul 6;295(1):248–54

METABOLISM

[Kinetics of THAM (TRIS) distribution in intra- and extracellular compartments] Rothe KF, et al. **Anasth Intensivther Notfallmed** 1984 Feb;19(1):24–6 (Eng. Abstr.) **(Ger)**

[Permeability of sarcoplasma reticulum membrane for monovalent cations] Pechatnikov VA, et al. **Biofizika** 1983 Jul–Aug;28(4):669–73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of two different buffers on the high affinity 3H-ethylketocyclazocine and 3H-SKF10047 binding to guinea pig brain membranes. Grynne BH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Mar;54(3):195–200

In vitro action of combinations of antimicrobial agents and EDTA-tromethamine on Pseudomonas aeruginosa. Wooley RE, et al. **Am J Vet Res** 1983 Aug;44(8):1521–4

In vitro effect of combinations of antimicrobial agents and EDTA-tromethamine on certain gram-positive bacteria. Wooley RE, et al. **Am J Vet Res** 1983 Nov;44(11):2167–9

Tris inhibits binding and transport of calcium in microsomal fraction isolated from rat vas deferens. Kwan CY, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):252–62

Transfer of Tris buffer and effects on K+ loss in human red blood cells and reconstituted ghosts. Bodemann HH, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):77–83

Effect of Tris buffer on the contractile responses of rat vas deferens. Sakai Y, et al. **Eur J Pharmacol** 1983 Nov 25; 95(3–4):161–9

The general utility of a glycerophosphate-Tris buffered medium. Douglas J, et al. **J Appl Bacteriol** 1984 Apr; 56(2):321–6

Disruptive effects of tris and sodium lauroyl sarcosinate on the outer membrane of Pseudomonas cepacia shown by fluorescent probes. Anwar H, et al. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2017–20

Membrane protein differences correlated with the development of mating competence in Tetrahymena thermophila. Van Bell CT, et al. **J Protozool** 1984 Feb; 31(1):112–6

Influence of Tris (hydroxymethyl) aminomethane on plasma insulin and glucose concentration of normal and streptozotocin-diabetic rats. Lüders AM, et al. **Pharmacology** 1984;28(4):216–22

Effects of tris on responses of human and rabbit platelets to aggregating agents. Packham MA, et al. **Thromb Haemost** 1984 Apr 30;51(2):140–4

THERAPEUTIC USE

Experimental brain injury: successful therapy with the weak base, tromethamine. With an overview of CNS acidosis. Rosner MJ, et al. **J Neurosurg** 1984 May;60(5):961–71

TOXICITY

Tris- and deoxycholate-induced lysis in colistin-treated Proteus strains. Chapman DG. **Microbios** 1984; 39(157–158):169–76

TROPANES

ADMINISTRATION & DOSAGE

The withdrawal of benztropine mesylate in chronic schizophrenic patients. Baker LA, et al. **Br J Psychiatry** 1983 Dec;143:584–90

ADVERSE EFFECTS

Cholinergic syndrome from psychotropic withdrawal in a marijuana abuser. Dilsaver SC, et al. **Psychosomatics** 1984 Aug;25(8):632–4

ANALYSIS

Ethnopharmacologic investigation on tropane-containing drugs in Chinese solanaceous plants. Xiao PG, et al. **J Ethnopharmacol** 1983 Jul;8(1):1–18 (20 ref.)

The assay of tropane derivatives in formulations by second derivative ultraviolet spectrophotometry. Hassan SM, et al. **J Pharm Pharmacol** 1984 Jan;36(1):7–10

ANTAGONISTS & INHIBITORS

Morphine eye-drops reduce homatropine induced mydriasis in man. Fanciullacci M, et al. **Experientia** 1984 Jul 15; 40(7):731–3

CHEMICAL SYNTHESIS

Parasympatholytic (anticholinergic) esters of the isomeric 2-tropanols. 2. Non-glycolates. Atkinson ER, et al. **J Med Chem** 1983 Dec;26(12):1772–5

METABOLISM

Kinetics of the in vitro binding of a quaternary ammonium compound (p-biphenylmethyl-(dl-tropyl-alpha-tropinium)bromide (BTTB)) to lysosomes and other subcellular membranes of rat liver. Matsumoto Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Apr;32(4):1503–9

PHARMACODYNAMICS

Reversal of haloperidol induced deficits in self-stimulation by anti-Parkinsonian drugs. Carey RJ. **Behav Brain Res** 1983 Dec;10(2–3):405–11

Psychoactive properties of benztropine and trihexyphenidyl. Wilcox JA. **J Psychoactive Drugs** 1983 Oct–Dec; 15(4):319–21

MDL 72222: a potent and highly selective antagonist at neuronal 5-hydroxytryptamine receptors. Fozard JR. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):36–44

[Determination of retinol in human blood plasma using high pressure liquid chromatography] Sergeev AV, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):54–8 (Eng. Abstr.) **(Rus)**

[Effect of M-and N-cholinolytics on the content of Ca2+ in synaptosomes and metabolism of phosphoinositols in the rat brain] Sukhovskaia TA, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):51–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Essential myoclonus: response to anticholinergic therapy. Duvoisin RC. **Clin Neuropharmacol** 1984;7(2):141–7

Drug-induced acute dystonic reactions in children. Alternatives to diphenhydramine therapy. Dahiya U, et al. **Postgrad Med** 1984 Apr;75(5):286–7, 290

TROPHOBLAST

[Diagnosis of fetal sex from trophoblast DNA] Diedrich U, et al. **Geburtshilfe Frauenheilkd** 1984 Jun;44(6):356–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

First-trimester prenatal diagnosis by trophoblast biopsy. Hecht F, et al. **Ariz Med** 1983 Aug;40(8):540–2

Biological distribution of oncofetal antigen-I (OFA-I) in gynecologic tumors and trophoblastic tissues. Higuchi M, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):461–4

Rapid and early determination of sex using trophoblast biopsy specimens and Y chromosome specific DNA probes. Vergnaud G, et al. **Br Med J [Clin Res]** 1984 Jul 14; 289(6437):73–6

The immunocytochemical demonstration of human placental lactogenic hormone (hPL): a parameter for the functional capacity of the trophoblast. Kaduk B, et al. **Placenta** 1983; 4 Spec No:541–8

Demonstration of intracellular and secreted forms of large human chorionic gonadotrophin alpha subunit in cultures of normal placental tissue. Posillico EG, et al. **Placenta** 1983;4 Spec No:439–48

BLOOD SUPPLY

Uteroplacental arterial changes related to interstitial trophoblast migration in early human pregnancy. Pijnenborg R, et al. **Placenta** 1983 Oct–Dec;4(4):397–413

CYTOLOGY

Role of binucleate cells in fetomaternal cell fusion at implantation in the sheep. Wooding FB. **Am J Anat** 1984 Jun;170(2):233–50

Use of trophoblast cells in tissue culture for fetal chromosomal studies. Martinez F, et al. **Am J Obstet Gynecol** 1983 Nov 1;147(5):542–7

The fate of trophoblast retained within the oviduct in the mouse. Tutton DA, et al. **Gynecol Obstet Invest** 1984; 17(1):18–24

Transcriptional control of HLA-A,B,C antigen in human placental cytotrophoblast isolated using trophoblast- and HLA-specific monoclonal antibodies and the fluorescence-activated cell sorter. Kawata M, et al. **J Exp Med** 1984 Sep 1;160(3):633–51

Fast and reliable culture method for cells from 8–10 week trophoblast tissue [letter] Schwab ME, et al. **Lancet** 1984 May 12;1(8385):1082

Review article: control of trophoblastic growth. Ilgren EB. **Placenta** 1983 Jul–Sep;4(3):307–28 (230 ref.)

ENZYMOLOGY

Histochemical study on hydroxysteroid dehydrogenases in the trophoblast of the dog placenta. Kiso Y, et al. **Nippon Juigaku Zasshi** 1984 Apr;46(2):219–23

IMMUNOLOGY

Immunohistologic identification of trophoblast populations in early human pregnancy with the use of monoclonal antibodies. Bulmer JN, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):19–26

Localization in human term placental bed and amniochorion of cells bearing trophoblast antigens identified by monoclonal antibodies. Johnson PM, et al. **Am J Reprod Immunol** 1983 Jul–Aug;4(1):33–7

Monoclonal antibody to human cytotrophoblast. Loke YW, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):106–8

Immunoactive products of murine placenta. II.—Afferent suppression of maternal cell-mediated immunity by supernatants from short-term cultures of murine trophoblast-enriched cell suspensions. Chaouat G, et al. **Ann Immunol (Paris)** 1984 Mar–Apr;135C(2):205–18

Immunosuppressive properties of murine trophoblast. Van Vlasselaer P, et al. **Cell Immunol** 1984 Feb;83(2):422–32

Immunological studies of human trophoblast: markers, subsets and functions. Faulk WP, et al. **Immunol Rev** 1983; 75:139–75 (103 ref.)

Maternal lymphocyte responses during normal and abnormal pregnancies, measured in vitro using composite trophoblast antigens and phytohaemagglutinin. Goodfellow CF. **Immunol Rev** 1983;75:61–85 (77 ref.)

Class I antigens of the major histocompatibility complex on cytotrophoblast of human chorion laeve. Hsi BL, et al. **Immunology** 1984 Aug;52(4):621–9

Class I major histocompatibility complex antigens on human extra-villous trophoblast. Redman CW, et al. **Immunology** 1984 Jul;52(3):457–68

Monoclonal antibody to human T-cell leukemia virus p19 defines polypeptide antigen in human choriocarcinoma cells and syncytiotrophoblasts of first-trimester placentas. Suni J, et al. **Int J Cancer** 1984 Mar 15;33(3):293–8

Preparation and characterization of monoclonal antibodies against placental alkaline phosphatase and other human trophoblast-associated determinants. Travers P, et al. **Int J Cancer** 1984 May 15;33(5):633–41

Uterine gland epithelium in human pregnancy often lacks detectable maternal MHC antigens but does express fetal trophoblast antigens. Johnson PM, et al. **J Immunol** 1984 Apr;132(4):1608–10

Ontogeny of the MHC antigens on human trophoblast cells during the first trimester of pregnancy. Montgomery B, et al. **J Immunol** 1983 Nov;131(5):2348–55

A monoclonal antibody to an antigen present on the microvillous membrane of the trophectoderm of the preimplantation blastocyst of the pig. Whyte A, et al. **J Reprod Fertil** 1984 Jul;71(2):599–605

Immunochemical identification of human trophoblast membrane antigens using monoclonal antibodies. Brown PJ, et al. **J Reprod Immunol** 1983 Nov;5(6):351–61

Human trophoblast-lymphocyte cross-reactive (TLX) antigens define a new alloantigen system. McIntyre JA, et al. **Science** 1983 Dec 9;222(4628):1135–7

[Antigenicity of trophoblast cells and their significance for placentation and tolerance of human allogenic ova] Skrzypulec ZA. **Zentralbl Gynakol** 1984;106(1):46–54 (Eng. Abstr.) **(Ger)**

[Comparison of the action of the sera of pregnant women and of trophoblastic beta 1-glycoprotein in a number of immunological tests] Gorlina NK, et al. **Ontogenez** 1983 Nov–Dec;14(6):607–11 (Eng. Abstr.) **(Rus)**

METABOLISM

In vitro production of pregnancy-associated plasma protein A by human decidua and trophoblast. Bischof P, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):13–8

Sulfate transport in brush border membrane vesicles prepared from human placental syncytiotrophoblast. Cole DE. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):223–9

[Amino acid transfer at the fetal surface of the trophoblast and the characterization of its carrier in the rat placenta in vivo] Kyuma M. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):405–14 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Isolation and characterization of polyoma virus mutants which grow in murine embryonal carcinoma and trophoblast cells. Tanaka K, et al. **EMBO J** 1982; 1(12):1521–7

PARASITOLOGY

Trypanosoma cruzi: fusogenic ability of membranes from cultured epimastigotes in interaction with human syncytiotrophoblast. Calderon RO, et al. **Exp Parasitol** 1983 Oct;56(2):169–79

PATHOLOGY

Trophoblast sampling by blind transcervical aspiration. Liu DT, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1119–23

Dysgerminoma with syncytiotrophoblastic giant cells presenting as a hydatidiform mole. Brettell JR, et al. **Gynecol Oncol** 1984 Jul;18(3):393–401

PHYSIOLOGY

Evidence of increased Gc:actin complexes in pregnant serum: a possible result of trophoblast embolism. Emerson DL, et al. **Am J Reprod Immunol** 1983 Dec;4(4):185–9

Intermediate filament protein synthesis in preimplantation murine embryos. Oshima RG, et al. **Dev Biol** 1983 Oct; 99(2):447–55

[Function of the cytotrophoblast in the amniotic fluid/fetus compartment] Schmidt W, et al. **Z Geburtshilfe Perinatol** 1984 Jan–Feb;188(1):24–8 (Eng. Abstr.) **(Ger)**

SECRETION

The use of drugs to dissect the pathway for secretion of the glycoprotein hormone chorionic gonadotropin by cultured human trophoblastic cells. Peters BP, et al. **J Biol Chem** 1983 Dec 10;258(23):14505–15

Insulin regulates placental lactogen and estradiol secretion by cultured human term trophoblast. Hochberg Z, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1311–3

TRANSPLANTATION

Recruitment of cytotoxic cells by ectopic grafts of xenogeneic, but not allogeneic, trophoblast. Croy BA, et al. **Transplantation** 1984 Jan;37(1):84–90

ULTRASTRUCTURE

Scanning electron microscopy of maternal blood cells and their surface relationship with the placenta. Al-Zuhair AG, et al. **Acta Obstet Gynecol Scand** 1983;62(5):493–8

Stereological analysis of syncytiotrophoblast from human mature placenta. Sala MA, et al. **Arch Anat Microsc Morphol Exp** 1983;72(2):99–106

Isolation and partial characterization of the basal cell membrane of human placental trophoblast. Kelley LK, et al. **Biochim Biophys Acta** 1983 Sep 21;734(1):91–8

Localization of fibronectin, laminin-entactin, and entactin in Reichert's membrane by immunoelectron microscopy. Semoff S, et al. **EMBO J** 1982;1(10):1171–5

Histochemical and polarization-optical studies of the trophoblastic basement membrane of human placentas after classification of chorionic villi. Scheuner G, et al. **Histochem J** 1984 Apr;16(4):448–50

Diagnostic application of first trimester trophoblast sampling in 100 pregnancies. Simoni G, et al. **Hum Genet** 1984; 66(2–3):252–9

[Characteristics of trophoblast cell reproduction in the connective zone of the rat placenta. I. Determination of the degree of ploidy and the number of Barr bodies in interphase nuclei] Zybina EV, et al. **Tsitologiia** 1984 May; 26(5):525–30 (Eng. Abstr.) **(Rus)**

[Characteristics of trophoblast cell reproduction in the connective zone of the rat placenta. II. Determination of the degree of ploidy of mitotic shapes] Zybina EV, et al. **Tsitologiia** 1984 May;26(5):531–6 (Eng. Abstr.) **(Rus)**

TROPHOBLASTIC TUMOR

Clinical behaviour of gestational trophoblastic disease. Pal MN, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):149–51

Gestational trophoblastic diseases. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1983;692:7–81

ANALYSIS

Localization of HCG alpha and HCG beta in trophoblastic tumors. Kawagoe K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):111–7

A quantitative study of nuclear DNA of trophoblastic cells: proliferation kinetics. Kashimura Y. **Gynecol Oncol** 1983 Dec;16(3):374–82

Immunocytochemical localization of placental lactogen and chorionic gonadotropin in the normal placenta and trophoblastic tumors, with emphasis on intermediate trophoblast and the placental site trophoblastic tumor. Kurman RJ, et al. **Int J Gynecol Pathol** 1984;3(1):101–21

BLOOD

Laboratory assessment of disappearance patterns of human chorionic gonadotropin from serum of patients with gestational trophoblastic disease. Boots LR, et al. **Ala J Med Sci** 1983 Oct;20(4):391–4

Vermiform structures in blood in gestational trophoblastic disease [letter] Grimes DA, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):469–70

Sulfation-produced artifacts in blood smears [letter] López-Llera M, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):830–1

Toxemia worms—an artifact? [letter] Sadovsky E, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):831–2

Levels of placenta-specific tissue protein 12 (PP12) in serum during normal pregnancy and in patients with trophoblastic tumour. Than GN, et al. **Arch Gynecol** 1983;234(1):39–46

Alpha subunit and human chorionic gonadotropin in normal pregnancy and gestational trophoblastic disease. Elegbe RA, et al. **Obstet Gynecol** 1984 Mar;63(3):335–7

[Hyperthyroxinemia in trophoblastic disease] Cano C, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):197–200 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Pregnancy complicated by gestational trophoblastic disease in a renal transplant recipient. Manifold IH, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1025–6

DIAGNOSIS

Monoclonal versus polyclonal antibody radioimmunoassay against the beta-subunit of human chorionic gonadotropin in patients with gestational trophoblastic neoplasia. Wu T, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):821–5

Trophoblastic disease monitoring. O'Brien TJ. **Clin Obstet Gynecol** 1984 Mar;27(1):240–7

Pregnancy-specific proteins as markers for gestational trophoblastic disease. Horne CH, et al. **Int J Gynecol Pathol** 1984;3(1):27–40 (74 ref.)

[Role of hysteroscopy in diagnosis and management of trophoblastic disease] Suzuki A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):255–60 (Eng. Abstr.) **(Jpn)**

[Hysteroscopy in uterine trophoblastic tumors] Savinova VF, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):45 (Eng. Abstr.) **(Rus)**

[Trophoblastic disease] Ol'khovskaia IG, et al. **Arkh Patol** 1984;46(2):86–90 (51 ref.) (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Local perfusion chemotherapy for gestational malignant trophoblastic tumours. Szigetvári I, et al. **Acta Chir Hung** 1984;25(3):139–46

Plasma methotrexate levels in patients with gestational trophoblastic neoplasia treated by two methotrexate regimens. Rotmensch J, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):730–4

Pregnancy after cytotoxic chemotherapy for gestational trophoblastic tumours. Rustin GJ, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):103–6

Oral etoposide in gestational trophoblastic disease. Wong LC, et al. **Cancer Treat Rep** 1984 May;68(5):775–7

Treatment of gestational trophoblastic tumors. Hansen LA, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):569–76 (55 ref.)

Gestational trophoblastic disease: the significance of vaginal metastases. Bloch B, et al. **Gynecol Oncol** 1983 Oct; 16(2):169–78

Trophoblastic cell sensitivity to 8-day chemotherapy in nonmetastatic gestational trophoblastic neoplasia. Hilgers RD, et al. **Gynecol Oncol** 1984 Mar;17(3):386–93

Single-dose actinomycin D in the treatment of postmolar trophoblastic disease. Schlaerth JB, et al. **Gynecol Oncol** 1984 Sep;19(1):53–6

Pulse actinomycin D scheduling in nonmetastatic gestational trophoblastic neoplasia: cost-effective chemotherapy. Twiggs LB. **Gynecol Oncol** 1983 Oct;16(2):190–5

Poor-prognosis gestational trophoblastic disease: an update. Surwit EA, et al. **Obstet Gynecol** 1984 Jul;64(1):21–6

[Changes in chromosomes of peripheral lymphocytes in trophoblastic diseases following chemotherapy] Bian ML. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):232–4 (Eng. Abstr.) **(Chi)**

[Treatment of malignant trophoblastic tumors with 5-fluorouracil—report of 314 cases] Xia ZF. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):167–70 **(Chi)**

ENZYMOLOGY

Plasma cholinesterase and trophoblastic disease. Gestational trophoblastic disease and reduced activity of plasma cholinesterase. Davies JM, et al. **Anaesthesia** 1983 Nov; 38(11):1071–4

ETIOLOGY

Postmolar trophoblastic disease: diagnosis, management, and prognosis. Morrow CP. **Clin Obstet Gynecol** 1984 Mar; 27(1):211–20

Age of parents and risk of gestational trophoblastic disease. La Vecchia C, et al. **JNCI** 1984 Sep;73(3):639–42

FAMILIAL & GENETIC

Sex assignment in gestational trophoblastic neoplasia. Davis JR, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):722–5

Familial trophoblastic disease: case report. Parazzini F, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):382–3

Lack of HLA (A, B and C) antigen expression on the cell surface of trophoblastic tumors (hydatidiform moles and choriocarcinoma). Yamashita K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):95–9

Segregation patterns of polymorphic restriction sites of the gene encoding the alpha subunit of human chorionic gonadotropin in trophoblastic disease. Hoshina M, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2504–7

[Genetic factors in gestational trophoblastic tumors] Flici O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(6):579–82 (Eng. Abstr.) **(Fre)**

[A study for the genesis of trophoblastic tumor, with reference to its androgenetic origin] Wake N. **Hokkaido Igaku Zasshi** 1984 Jan;59(1):21–7 (Eng. Abstr.) **(Jpn)**

[Molecular biological analysis of the DNA in trophoblastic disease--with special reference to genetic information of hPL and hCG(alpha, beta)] Hoshina M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):741–9 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Further studies on immunological parameters in gestational trophoblastic neoplasia. Ho PC, et al. **Arch Gynecol** 1984; 234(4):255–61

Characterization of antigenic components from circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **Cancer** 1984 Mar 15;53(6):1316–21

Circulating antibodies against human chorionic gonadotropin following trophoblastic disease. de Bruijn HW, et al. **Gynecol Oncol** 1984 Sep;19(1):114–9

Mixed lymphocyte reaction in gestational trophoblastic disease: presence of a specific plasma inhibitor of the response to paternal alloantigens. Ho PC, et al. **J Reprod Immunol** 1984 Feb;6(2):105–10

Identification of material with paternal HLA antigen immunoreactivity from purported circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **JNCI** 1984 May;72(5):983–90

[Cell-mediated immunity and immunotherapy in trophoblastic tumors] Kawagoe K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1595–603 (Eng. Abstr.) **(Jpn)**

[Immuno-capacity in the patients with trophoblastic tumors] Mano T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):303–10 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

The incidence and follow-up of the trophoblastic disease in ten-years period 1971–80. Montoneri C, et al. **Eur J Gynaecol Oncol** 1983;4(3):214–5

Repeat gestational trophoblastic disease. Sand PK, et al. **Obstet Gynecol** 1984 Feb;63(2):140–4

PARASITOLOGY

Observation of an organism found in patients with gestational trophoblastic disease and in patients with toxemia of pregnancy [letter] **Am J Obstet Gynecol** 1983 Oct 1; 147(3):349–55

'Hydatoxi lualba' identified. Long EG, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):462–3

Hydatoxi lualba—an artifact [letter] Perkins D, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):469

Hydatoxi lualba: artifact produced by sulfation [letter] Sibai BM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):854

PATHOLOGY

The pathology of trophoblastic disease: current status. Elston CW. **Clin Obstet Gynaecol** 1984 Apr;11(1):135–52 (88 ref.)

Placental-site trophoblastic tumor: current status. Young RH, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):248–58

Malignant potential of gestational trophoblastic disease at the extreme ages of reproductive life. Bandy LC, et al. **Obstet Gynecol** 1984 Sep;64(3):395–9

[New trends in the diagnosis of trophoblastic disease] Liebhart M. **Patol Pol** 1983 Oct–Dec;34(4):353–68 (81 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Reproductive performance after molar pregnancy and gestational trophoblastic tumors. Goldstein DP, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):221–7

[Functional reserves of the pituitary gland in patients with trophoblastic uterine tumors] Savinskaia AP, et al. **Med Radiol (Mosk)** 1984 Jun;29(6):76–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Gestational trophoblastic tumors metastatic to the lung. Radiologic--clinical correlations. Hendin AS. **Cancer** 1984 Jan 1;53(1):58–61

Digital subtraction angiography for the evaluation of persistent uterine trophoblastic disease. Oka M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):66S–71S

The role of CT in the early diagnostics and follow-up of malignant trophoblast diseases. Csobály AS, et al. **Radiol Diagn (Berl)** 1984;25(1):31–9

[Diagnosis of uterine trophoblastic tumor] Chulkova OV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):42–4 (Eng. Abstr.) **(Rus)**

SECONDARY

Poor-prognosis metastatic gestational trophoblastic neoplasia. Hammond CB, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):228–39

Endoarterial pulmonary metastasis of malignant trophoblast associated with a term intrauterine pregnancy. Carlson JA Jr, et al. **Gynecol Oncol** 1984 Feb;17(2):241–8

SECRETION

Persistent chest opacity in trophoblastic disease: is thoracotomy justified? Wong LC, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):237–40

SURGERY

The role of surgery in gestational trophoblastic disease. Bolis G, et al. **Tumori** 1983 Dec 31;69(6):553–7

THERAPY

Sixteen years experience in treatment and follow-up of patients with trophoblastic diseases. Mochizuki M, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):15–24

[Management of trophoblastic disease: analysis of 100 observed cases] Skałba P, et al. **Ginekol Pol** 1984 Jan; 55(1):47–53 (Eng. Abstr.) **(Pol)**

URINE

[Detection of hCG production in trophoblastic diseases by HCG beta carboxyl-terminal peptide] Shimizu T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Oct; 35(10):1759–66 (Eng. Abstr.) **(Jpn)**

TROPICAL CLIMATE

Plasma luteinizing hormone and testosterone concentrations in different breeds of young beef bulls in the tropics. Post TB, et al. **Aust J Biol Sci** 1983;36(5–6):545–9

Haemoglobin values and some biochemical parameters of different breeds and sexes of pigs in a tropical humid environment. Kasali OB, et al. **Beitr Trop Landwirtsch Veterinarmed** 1983;21(2):219–24

The influence of fibre content and physical texture of the diet on the performance of broilers in the tropics. Abdelsamie RE, et al. **Br Poult Sci** 1983 Jul;24(3):383–90

The effects of preconception supplementation on the productivity of dairy heifers grazed on medium quality pasture under East African conditions. Kayongo-Male H, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):65–72

A six-year performance record of large white pigs reared in a tropical environment. Smith OB. **Bull Anim Health Prod Afr** 1982 Mar;30(1):11–4

The natural history of salmonellae in mammals of the tropical Kimberley region, Western Australia. How RA, et al. **Ecol Dis** 1983;2(1):9–32

Chronic calcific pancreatitis in the tropics. Balakrishnan V. **Indian J Gastroenterol** 1984 Apr;3(2):65–7

Feeding the fetus in the tropics: rest is best. Briend A. **J Trop Pediatr** 1984 Apr;30(2):126–8

Measles immunization—a review. Cutting WA. **J Trop Pediatr** 1983 Oct;29(5):246–7

Factors influencing growth of Canadian holstein calves in Ghana. Kabuga JD, et al. **Trop Anim Health Prod** 1983 Aug;15(3):186–90

Water and food intakes of Canadian Holstein—Friesian cows in Ghana. Kabuga JD, et al. **Trop Anim Health Prod** 1983 Nov;15(4):239–44

Effect of contamination of diets with aflatoxins on growing ducks and chickens. Ostrowski-Meissner HT. **Trop Anim Health Prod** 1983 Aug;15(3):161–8

Management of rheumatic heart disease in tropical countries. Parry EH. **Trop Doct** 1983 Oct;13(4):164–8

Preoptico-hypophysial neurosecretory system in tropical air-breathing fish, Notopterus chitala (Ham.). Prakash MM, et al. **Z Mikrosk Anat Forsch** 1984;98(2):205–12

Neuroendocrinological adaptations in some tropical earthworms. Prasad O, et al. **Z Mikrosk Anat Forsch** 1984; 98(2):302–12

[Formula and technic starting from local raw materials concerning the nutrition of laboratory mice in tropical climate] Traore I, et al. **Acta Leprol (Geneve)** 1983 Jul–Sep; (92):183–6 **(Fre)**

[The phenomenon of urbanization in tropical countries] Amat-Roze JM. **Bull Soc Pathol Exot Filiales** 1983 May–Jun;76(3):217–22 **(Fre)**

[Improving living conditions in an urban tropical milieu] Baylet R, et al. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):285–92 **(Fre)**

[Parasitic intestinal diseases in a tropical urban milieu] Eyckmans L. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):263–8 (18 ref.) **(Fre)**

[Epidemiologic surveillance in an urban tropical milieu] Gateff C. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):300–7 **(Fre)**

[Urbanism and public health in the tropics] Gentilini M, et al. **Bull Soc Pathol Exot Filiales** 1983 May–Jun;76(3):276–84 **(Fre)**

[BCG and the current campaign against tuberculosis in tropical countries] Guignard J, et al. **Bull Soc Pathol Exot Filiales** 1983 May–Jun;76(3):231–5 **(Fre)**

[Sexually transmitted diseases in a tropical urban milieu] Riou JY. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):269–75 **(Fre)**

[Diseases arising from contact with animals in an urban tropical milieu] Voelckel J. **Bull Soc Pathol Exot Filiales** 1983 May–Jun;76(3):293–9 **(Fre)**

[Urbanization in tropical countries] Amat-Roze JM. **Med Trop (Mars)** 1983 Jul–Aug;43(4):379–84 (Eng. Abstr.) **(Fre)**

[Hourly variations in rectal temperature and prolactinemia in the creole goat kept outside in a tropical environment] Chemineau P, et al. **Reprod Nutr Dev** 1984;24(1):71–80 (Eng. Abstr.) **(Fre)**

[Prevention of anaerobic infections of ruminants in

Madagascar by intradermal administration of ultrafiltered toxoids of locally specific clostridia] Seifert HS, et al. **DTW** 1983 Jul 6;90(7):274–9 (Eng. Abstr.) **(Ger)**

[Streptococcal pyodermas. A typical complication following travel in the tropics] Enzensberger R, et al. **MMW** 1983 Dec 16;125(50):1185–6 (Eng. Abstr.) **(Ger)**

[Cutaneous leishmaniasis in patients returning from the tropics] Heimgartner E. **Schweiz Rundsch Med Prax** 1984 Feb 7;73(6):165–8 (Eng. Abstr.) **(Ger)**

[Lymphatic diseases specific to the tropics (Burkitt's lymphoma, tropical splenomegaly and Mediterranean lymphoma)] Kern P. **Wien Klin Wochenschr** 1984 Jul 6; 96(14):529–35 (Eng. Abstr.) **(Ger)**

[Deficiency anemias in tropical countries] Lechner K, et al. **Wien Klin Wochenschr** 1984 Jul 6;96(14):539–41 (Eng. Abstr.) **(Ger)**

[Tenacity of bacteria in the airborne state. III. Model studies on the epidemiology of Pasteurella multocida influenced by a tropical climate] Dinter PS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):139–50 (Eng. Abstr.) **(Ger)**

[Formulation and testing of ointment base materials applicable to the tropics. I. Physical and rheological tests] Abdel Hadi I, et al. **Acta Pharm Hung** 1984 May; 54(3):109–15 (Eng. Abstr.) **(Hun)**

[Seasonal changes in the hemostasis system of young children in a hot climate] Mamatkulov KhM. **Gematol Transfuziol** 1983 Dec;28(12):32–5 (Eng. Abstr.) **(Rus)**

[Blood circulation in healthy inhabitants of the arid zone of Turkmenistan. Report 2. Use of controlled exercise test in persons with good and insufficient adaptation to high environmental temperature] Babaev AB, et al. **Kardiologiia** 1984 Feb;24(2):92–6 (Eng. Abstr.) **(Rus)**

[Microbial eczema in a hot climate] Chebotarev KS, et al. **Voen Med Zh** 1984 Jun;(6):57–8 **(Rus)**

[Physiological and hygienic criteria for the medical selection of servicemen for work in a hot climate] Ivanov IuA, et al. **Voen Med Zh** 1984 Apr;(4):42–4 **(Rus)**

[Effect of microclimate on the night sleep and physical endurance of sailors during sea voyages in low latitudes] Novozhilov GN, et al. **Voen Med Zh** 1983 Jul;(7):54–6 **(Rus)**

[Various characteristics of the activities of an independent medical division battalion in mountain-desert areas (preliminary report)] Sidel'nikov AI. **Voen Med Zh** 1983 Aug;(8):20–5 **(Rus)**

ADVERSE EFFECTS

Heat acclimatisation of poultry in the Sudan. Sykes AH. **Vet Rec** 1982 Feb 6;110(6):130–1

[Peripheral nerve diseases in hot humid climate] Dinkh' LD, et al. **Voen Med Zh** 1983 Aug;(8):61–2 **(Rus)**

TROPICAL MEDICINE

Tropical diseases of importance to the traveler. Brown KR, et al. **Adv Intern Med** 1984;29:59–84 (29 ref.)

Membership directory: the American Society of Tropical Medicine and Hygiene. **Am J Trop Med Hyg** 1983 Sep;32(5 Pt 2):5–58

Constitution and By-Laws of the American Society of Tropical Medicine and Hygiene. **Am J Trop Med Hyg** 1983 Sep;32(5 Pt 2):1–4

Excellence in research is not enough. Russell PK. **Am J Trop Med Hyg** 1984 May;33(3):319–24

International colloquium: Tropical medicine outside the tropics. Antwerp, 16–17 November 1983. Abstracts. **Ann Soc Belg Med Trop** 1984 Mar;64(1):85–119 **(Eng, Fre)**

An outline of differences between temperate and tropical presentations of some surgical upper gastrointestinal diseases. Ajao OG. **Br J Surg** 1984 Jan;71(1):79–80

Green College lectures: 1984. Medicine in the Third World. Webb JK. **Br Med J [Clin Res]** 1984 Apr 14; 288(6424):1141–4

Sanitizing the tropics: the role of public housing, water treatment, sanitary inspection, and vector control in keeping Singapore healthy. Ruderman AP. **Can J Public Health** 1983 May–Jun;74(3):199–201

Tropical diseases in North America. Pearson RD, et al. **DM** 1984 Mar;30(6):1–68 (52 ref.)

A tropical diseases research centre and the role nurses play. Zyambo B. **Int Nurs Rev** 1983 Jul–Aug;30(4):107–9, 117

Proceedings of the Commonwealth Caribbean Medical Research Council. 28th Scientific meeting, Kingston, Jamaica, April 20–23, 1983. **West Indian Med J** 1983;32 Suppl:1–47

Getting results from medical research. Williams PO. **West Indian Med J** 1983;32 Suppl:4–7

[Oro-facial mutilations, tropical diseases and African masks] Moreau JL. **Actual Odontostomatol (Paris)** 1983 Jun; (142):341–56 (Eng. Abstr.) **(Fre)**

[Preventive measures before traveling to the Third World] Hirschel B. **Schweiz Med Wochenschr** 1984 Jul 21; 114(29):1015–8 (Eng. Abstr.) **(Fre)**

[Recommendations for traveling] Höfler W. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1407–10 **(Ger)**

[Special program of research and training in tropical diseases. Annual report] Martinotti MG. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):117–21 (Eng. Abstr.) **(Ita)**

[Diagnosis of tropical diseases] Shuvalova EP, et al. **Klin Med (Mosk)** 1984 Jun;62(6):143–51 **(Rus)**

[Results of the 5-year collaboration of scientific institutions of the USSR with the Special Program for Research and Training in Tropical Diseases and the tasks of the All-Union Coordination Center for Tropical Diseases] Nikolaevskii GP, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):72–4 **(Rus)**

[Migration and tropical diseases] **Bol Of Sanit Panam** 1984 Apr;96(4):353–9 **(Spa)**

[Diseases among Swedish International Development Authority employees – 5 years' data. Health risks during work in developing countries] Stenbeck JL, et al. **Lakartidningen** 1983 Nov 16;80(46):4433–6 **(Swe)**

EDUCATION

[Contrasts and confrontations between the principles and objectives of the post-graduate in tropical medicine] Neves J. **Rev Paul Med** 1983 Sep–Oct;101(5):203–7 **(Por)**

HISTORY

Franco-British cooperation in tropical medicine. Bruce-Chwatt LJ. **Bull Soc Pathol Exot Filiales** 1983 Nov; 76(5):713–5

The evolution of British colonial hospitals in West Africa [letter] Eddy TP. **Trans R Soc Trop Med Hyg** 1983; 77(4):563–4

[An ephemeris, 1884–1934–1984] Dodin A. **Bull Soc Pathol Exot Filiales** 1984 Jan–Feb;77(1):6–8 **(Fre)**

TROPICAMIDE see under **PYRIDINES**

TROPOELASTIN see under **ELASTIN**

TROPOLONE see under **CYCLOHEPTANES**

TROPOMYOSIN

Influence of L-cystinyl side-chain configurations on the melting of crosslinked alpha-tropomyosin dimers. Maroun RC, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2–3):133–9

Effect of troponin-tropomyosin complex and Ca2+ on conformational changes in F-actin induced by myosin subfragment-1. Borovikov YS, et al. **Eur J Biochem** 1983 Nov 2;136(2):363–9

'Splicing' of paramyosin filaments. Bennett PM, et al. **J Mol Biol** 1984 May 5;175(1):103–3

Molecular organization of paramyosin in the core of molluscan thick filaments. Elliott A, et al. **J Mol Biol** 1984 Jul 15;176(4):477–93

Crystalline sheets of tropomyosin. Stewart M. **J Mol Biol** 1984 Mar 25;174(1):231–8

ANALYSIS

Effect of denervation on the isoform transitions of tropomyosin, troponin T, and myosin isozyme in chicken breast muscle. Obinata T, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):585–8

Effects of fixing and staining on images of tropomyosin Mg-paracrystals. Lamvik MK, et al. **J Microsc** 1984 May; 134 (Pt 2):137–41

An electrophoretic variant of a human fibroblast protein with characteristics of smooth muscle tropomyosin. Giometti CS, et al. **J Mol Biol** 1984 Feb 15;173(1):109–23

Structural and functional properties of the non-muscle tropomyosins. Côté GP. **Mol Cell Biochem** 1983; 57(2):127–46 (134 ref.)

Tropomyosin: a new component of the erythrocyte membrane skeleton. Fowler VM, et al. **Prog Clin Biol Res** 1984;159:57–71

Immunolocalization of myosin and tropomyosin in cells undergoing ciliogenesis during regeneration of rat tracheal epithelium. Gordon RE, et al. **Tissue Cell** 1984;16(3):337–43

BLOOD

Erythrocyte membrane tropomyosin. Purification and properties. Fowler VM, et al. **J Biol Chem** 1984 May 10; 259(9):5978–89

CLASSIFICATION

Classification of tropomyosin components into an alpha-like or a beta-like family by partial peptide mapping. Kardami E, et al. **FEBS Lett** 1983 Nov 14;163(2):250–6

GENETICS

Differential expression of tropomyosin forms in the microfilaments isolated from normal and transformed rat cultured cells. Matsumura F, et al. **J Biol Chem** 1983 Nov 25;258(22):13954–64

Identification of a cytoplasmic tropomyosin gene linked to two muscle tropomyosin genes in Drosophila. Bautch VL, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7123–7

IMMUNOLOGY

A rapid procedure for preparing fluorescein-labeled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture. Talian JC, et al. **J Cell Biol** 1983 Oct;97(4):1277–82

ISOLATION & PURIFICATION

Purification and some properties of porcine kidney tropomyosin. Kobayashi R, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):171–9

Two-dimensional electrophoresis of troponin complex with nonequilibrium pH gradient-sodium dodecyl sulfate polyacrylamide slab gel. Murakami U, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1577–84

Tropomyosin-enriched and alpha-actinin-enriched microfilamenis isolated from chicken embryo fibroblasts by monoclonal antibodies. Lin JJ, et al. **J Cell Biol** 1984 Jan;98(1):116–27

METABOLISM

Image analysis of the complex of actin-tropomyosin and myosin subfragment 1. Wakabayashi T, et al. **Adv Exp Med Biol** 1984;170:21–8

Dynamic equilibrium between the two conformational states of spin-labeled tropomyosin. Graceffa P, et al. **Biochemistry** 1984 Jun 5;23(12):2606–12

Comparison of the fluorescence and conformational properties of smooth and striated tropomyosin. Lehrer SS, et al. **Biochemistry** 1984 Apr 10;23(8):1591–5

Troponin-tropomyosin interactions. Fluorescence studies of the binding of troponin, troponin T, and chymotryptic troponin T fragments to specifically labeled tropomyosin. Morris EP, et al. **Biochemistry** 1984 May 8;23(10):2214–20

Enhancement of actomyosin ATPase activity by tropomyosin. Recombination of myosin and tropomyosin between muscles and platelet. Nosaka S, et al. **Biochim Biophys Acta** 1984 Aug 14;788(3):290–7

Potential phasic and tonic muscles express a common set of fast and slow myosin light chains and fast tropomyosin during early development of chick embryo. Toutant M, et al. **Biochimie** 1983 Nov–Dec;65(11–12):637–42

Chicken gizzard tropomyosin: head-to-tail assembly and interaction with F-actin and troponin. Sanders C, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):443–8

Tropomyosin from adult human skeletal muscle is partially phosphorylated. Edwards BF, et al. **Comp Biochem Physiol [B]** 1983;76(2):373–5

Regenerating adult chicken skeletal muscle and satellite cell cultures express embryonic patterns of myosin and tropomyosin isoforms. Matsuda R, et al. **Dev Biol** 1983 Dec; 100(2):478–88

Evidence for the presence of tropomyosin in the cytoskeletons of ADP- and thrombin-stimulated blood platelets. Pho DB, et al. **FEBS Lett** 1984 Jul 23;173(1):164–8

Crosslinking of tropomyosin to myosin subfragment-1 in reconstituted rabbit skeletal thin filaments. Tao T, et al. **FEBS Lett** 1984 Mar 12;168(1):169–73

Interactions among chymotryptic troponin T subfragments, tropomyosin, troponin I and troponin C. Tanokura M, et al. **J Biochem (Tokyo)** 1984 May;95(5):1417–21

Comparison of the effects of smooth and skeletal tropomyosin on skeletal actomyosin subfragment 1 ATPase. Lehrer SS, et al. **J Biol Chem** 1984 Feb 25;259(4):2070–2

Induction of nonpolymerizable tropomyosin binding to F-actin by troponin and its components. Mak AS, et al. **J Biol Chem** 1983 Dec 10;258(23):14330–4

In vitro phosphorylation of tropomyosin by a kinase from chicken embryo. Montgomery K, et al. **J Biol Chem** 1984 May 10;259(9):5555–60

Modification of Lys-237 on actin by 2,4-pentanedione. Alteration of the interaction of actin with tropomyosin. El-Saleh SC, et al. **J Biol Chem** 1984 Sep 10; 259(17):11014–21

Regulatory proteins of the myocardium. Atrial and ventricular tropomyosin and troponin-I in the developing and adult bovine and human heart. Humphreys JE, et al. **J Mol Cell Cardiol** 1984 Jul;16(7):643–57

PHARMACODYNAMICS

Modulation of the actin-activated adenosinetriphosphatase activity of myosin by tropomyosin from vascular and gizzard smooth muscles. Yamaguchi M, et al. **Biochemistry** 1984 Feb 14;23(4):774–9

PHYSIOLOGY

On the intensity reversal of the 'tropomyosin reflexions' in X-ray diffraction patterns from crab striated muscle. Maéda Y. **Adv Exp Med Biol** 1984;170:251–63

The variable relation between myosin light-chain phosphorylation and actin-activated ATPase activity in chicken gizzard smooth muscle. Modulation by tropomyosin. Merkel L, et al. **Eur J Biochem** 1984 Feb 1;138(3):429–34

TROPONIN

Investigation of cation-binding properties of cardiac troponin C peptides by circular-dichroism spectroscopy. Gusev NB, et al. **Biochem J** 1984 May 15;220(1):315–20

Calcium-dependent inhibitory region of troponin: a proton nuclear magnetic resonance study on the interaction between troponin C and the synthetic peptide N alpha-acetyl[FPhe106]TnI-(104–115) amide. Cachia PJ, et al. **Biochemistry** 1983 Aug 16;22(17):4145–52

Effect of troponin-tropomyosin complex and Ca2+ on conformational changes in F-actin induced by myosin subfragment-1. Borovikov YS, et al. **Eur J Biochem** 1983

Nov 2;136(2):363–9
A 26K fragment of troponin T from rabbit skeletal muscle. Ohtsuki I, et al. **J Biochem (Tokyo)** 1984 May;95(5):1337–42
Crystallographic data for troponin C from turkey skeletal muscle. Herzberg O, et al. **J Mol Biol** 1984 Jan 25; 172(3):345–6

ANALYSIS

X-ray absorption near edge structure determination of calcium sites of troponin C and parvalbumin. Bianconi A, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:27–34
Distribution of polymorphic forms of troponin components in extra- and intrafusal fibers of an avian slow muscle. Miyazaki M, et al. **Cell Tissue Res** 1984;236(3):541–8
Isoforms of troponin during regeneration of chicken skeletal muscle fibers after cold injury. Toyota N, et al. **Cell Tissue Res** 1984;236(3):549–54
Effect of denervation on the isoform transitions of tropomyosin, troponin T, and myosin isozyme in chicken breast muscle. Obinata T, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):585–8
Troponin is unlikely to occur in bovine and chick forebrain. Anthony FA, et al. **J Neurochem** 1984 May;42(5):1343–9

GENETICS

Novel proteins belonging to the troponin C superfamily are encoded by a set of mRNAs in sea urchin embryos. Carpenter CD, et al. **Cell** 1984 Mar;36(3):663–71
A novel mechanism of alternative RNA splicing for the developmentally regulated generation of troponin T isoforms from a single gene. Medford RM, et al. **Cell** 1984 Sep;38(2):409–21
The expression of multiple forms of troponin T in chicken-fast-skeletal muscle may result from differential splicing of a single gene. Wilkinson JM, et al. **Eur J Biochem** 1984 Aug 15;143(1):47–56

ISOLATION & PURIFICATION

Calcium-dependent hydrophobic chromatography of calmodulin, S-100 protein and troponin-C. Tanaka T, et al. **Biochim Biophys Acta** 1984 Jun 14;787(2):158–64
Removal of troponin C and desensitization of myosin B from ascidian smooth muscle by treatment with ethylene diamine tetraacetate. Miyakawa I, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):57–65
Two-dimensional electrophoresis of troponin complex with nonequilibrium pH gradient-sodium dodecyl sulfate polyacrylamide slab gel. Murakami U, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1577–84
Amino acid sequence of troponin C obtained from ascidian (Halocynthia roretzi) body wall muscle. Takagi T, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1753–60
Heterogeneity of contractile proteins. Purification and characterization of two species of troponin T from rabbit fast skeletal muscle. Briggs MM, et al. **J Biol Chem** 1984 Aug 25;259(16):10369–75

METABOLISM

Phosphorylation of skeletal-muscle troponin I and troponin T by phospholipid-sensitive Ca2+-dependent protein kinase and its inhibition by troponin C and tropomyosin. Mazzei GJ, et al. **Biochem J** 1984 Mar 1;218(2):361–9
Calcium-dependent inhibitory region of troponin: a proton nuclear magnetic resonance study on the interaction between troponin C and the synthetic peptide N alpha-acetyl[FPhe106]TnI-(104–115) amide. Cachia PJ, et al. **Biochemistry** 1983 Aug 16;22(17):4145–52
Troponin-tropomyosin interactions. Fluorescence studies of the binding of troponin, troponin T, and chymotryptic troponin T fragments to specifically labeled tropomyosin. Morris EP, et al. **Biochemistry** 1984 May 8;23(10):2214–20
Chicken gizzard tropomyosin: head-to-tail assembly and interaction with F-actin and troponin. Sanders C, et al. **Can J Biochem Cell Biol** 1984 Jun;62(6):443–8
Isoform variants of troponin in skeletal and cardiac muscle cells cultured with and without nerves. Toyota N, et al. **Cell** 1983 May;33(1):297–304
Inhibition of the activation and troponin calcium binding of dog cardiac myofibrils by acidic pH. Blanchard EM, et al. **Circ Res** 1984 Sep;55(3):382–91
Neural influences on the distribution of troponin I isotypes in the cat. Eldridge L, et al. **Exp Neurol** 1984 Feb; 83(2):328–46
Inhibition of rabbit skeletal muscle acto-S1 ATPase by troponin T. Chong PC, et al. **FEBS Lett** 1983 Mar 21; 153(2):372–6
Static and kinetic studies on rabbit skeletal muscle troponin. Nishio T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):745–54
Interactions among chymotryptic troponin T subfragments, tropomyosin, troponin I and troponin C. Tanokura M, et al. **J Biochem (Tokyo)** 1984 May;95(5):1417–21
The effect of acidic pH on the ATPase activity and troponin Ca2+ binding of rabbit skeletal myofilaments. Blanchard EM, et al. **J Biol Chem** 1984 Mar 10;259(5):3181–6
Cadmium-substituted skeletal troponin C. Cadmium-113 NMR spectroscopy and metal binding investigations. Ellis PD, et al. **J Biol Chem** 1984 Aug 25;259(16):10348–56
Cooperative binding to the Ca2+-specific sites of troponin C in regulated actin and actomyosin. Grabarek Z, et al. **J Biol Chem** 1983 Dec 10;258(23):14098–102
Binary interactions of troponin subunits. Ingraham RH, et al. **J Biol Chem** 1984 Aug 10;259(15):9544–8
Induction of nonpolymerizable tropomyosin binding to F-actin by troponin and its components. Mak AS, et al. **J Biol Chem** 1983 Dec 10;258(23):14330–4
Regulation of actomyosin ATPase by a single calcium-binding site on troponin C from crayfish. Wnuk W, et al. **J Biol Chem** 1984 Jul 25;259(14):9017–23
Regulatory proteins of the myocardium. Atrial and ventricular tropomyosin and troponin-I in the developing and adult bovine and human heart. Humphreys JE, et al. **J Mol Cell Cardiol** 1984 Jul;16(7):643–57
Changes in the distribution of fast and slow forms of troponin I in some neuromuscular disorders. Dhoot GK, et al. **J Neurol Sci** 1984 Jul;65(1):1–15
Transformation of fibre types in muscular dystrophies. Dhoot GK, et al. **J Neurol Sci** 1984 Jul;65(1):17–28
[The presence of cooperative structures in tryptic fragments of troponin C] Tsalkova TN, et al. **Mol Biol (Mosk)** 1983 Sep-Oct;17(5):1042–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of heart and skeletal muscle troponin complexes and calmodulin on the Ca2+-dependent reactions of phosphorylase kinase isoenzymes. Yoshikawa K, et al. **Eur J Biochem** 1983 Nov 2;136(2):413–9

TROUT see under **SALMONIDAE**

TRUNCUS ARTERIOSUS

SURGERY

Fatal pulmonary artery banding in truncus arteriosus with anomalous origin of circumflex coronary artery from right pulmonary artery. Daskalopoulos DA, et al. **Am J Cardiol** 1983 Dec 1;52(10):1363–4

TRUNCUS ARTERIOSUS, PERSISTENT

CLASSIFICATION

Two-dimensional echocardiographic classification of persistent truncus arteriosus. Satomi G, et al. **Jpn Heart J** 1983 Nov;24(6):871–9

DIAGNOSIS

Echocardiographic features of truncal abnormalities. Special emphasis to the evaluation of pulmonary arteries. Vitarelli A, et al. **G Ital Cardiol** 1984 Apr;14(4):245–52
Real-time nuclear magnetic resonance clinical imaging in paediatrics. Rzedzian R, et al. **Lancet** 1983 Dec 3; 2(8362):1281–2

FAMILIAL & GENETIC

Monozygotic twinning and sirenomelia. Raghavan KR, et al. **Indian Pediatr** 1983 Apr;20(4):308–9

SURGERY

Repair of truncus arteriosus in neonates with the use of a valveless conduit. Spicer RL, et al. **Circulation** 1984 Sep; 70(3 Pt 2):I26–9
Surgical repair of truncus arteriosus. Burakovsky VI, et al. **Pediatr Cardiol** 1984 Apr-Jun;5(2):111–4
[Plastic reconstruction of the pulmonary outflow tract in truncus arteriosus communis] Tran Viet T, et al. **Presse Med** 1984 Apr 28;13(18):1147–9 (Eng. Abstr.) **(Fre)**
[Experience of primary corrective surgeries on persistent truncus arteriosus in infants] Yokota Y, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):183–90 (Eng. Abstr.) **(Jpn)**

TRUSSES

[Functional principles of the lumbotrain harness. A clinical and experimental study] Yücel M, et al. **Z Orthop** 1984 May-Jun;122(3):287–9 (Eng. Abstr.) **(Ger)**

TRUSTEES see under **GOVERNING BOARD**

TRUTH DISCLOSURE

Drinking problems of alcoholics: correspondence between self and spouse reports. Leonard K, et al. **Addict Behav** 1983;8(4):369–73
Soloing: breaking the news. Davis AJ. **Am J Nurs** 1983 Oct; 83(10):1457–8
The right to know and the duty to disclose hazard information. Baram MS. **Am J Public Health** 1984 Apr; 74(4):385–90
Breaking bad news [letter] **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1995–6
What should a doctor tell? **Br Med J [Clin Res]** 1984 Aug 4;289(6440):325–6
Breaking bad news: why is it still so difficult? Buckman R. **Br Med J [Clin Res]** 1984 May 26;288(6430):1597–9
Deliver bad news tactfully. Michaels E. **Can Med Assoc J** 1983 Dec 15;129(12):1307–8
Down's syndrome: is dissatisfaction with disclosure of diagnosis inevitable? Cunningham CC, et al. **Dev Med Child Neurol** 1984 Feb;26(1):33–9
Ibsen's truth, family secrets, and family therapy. Grolnick L. **Fam Process** 1983 Sep;22(3):275–88
Why doctors don't disclose uncertainty. Katz J. **Hastings Cent Rep** 1984 Feb;14(1):35–44
The professional-patient dialogue. Lasagna L. **Hastings Cent Rep** 1983 Aug;13(4):9–11
At risk for Huntington's disease: who should know what and when? Rosenfeld A. **Hastings Cent Rep** 1984 Jun;14(3):5–8
Why schizophrenic patients should be told their diagnosis. Green RS. **Hosp Community Psychiatry** 1984 Jan;35(1):76–7
Disclosing diagnosis [letter] Kondziela JR. **Hosp Community Psychiatry** 1984 Jun;35(6):621
Disclosing diagnosis, continued [letter] Kudler HS. **Hosp Community Psychiatry** 1984 Jul;35(7):731–2
'Never believe an alcoholic'? On the validity of self-report measures of alcohol dependence and related constructs. Hesselbrock M, et al. **Int J Addict** 1983 Jul;18(5):593–609
Reliability and consistency in self-reports of drug use. O'Malley PM, et al. **Int J Addict** 1983 Aug;18(6):805–24
Disclosure of information to adult cancer patients: issues and update. Goldberg RJ. **J Clin Oncol** 1984 Aug;2(8):948–55
Doctor-patient dilemmas in multiple sclerosis. Burnfield A. **J Med Ethics** 1984 Mar;10(1):21–6
Some ethical issues in dementia research. Mahendra B. **J Med Ethics** 1984 Mar;10(1):29–31
Self-reported alcohol consumption and dissimulation in a Scottish urban sample. Cooke DJ, et al. **J Stud Alcohol** 1983 Jul;44(4):617–29
Tarasoff: patient privacy vs. public protection. Roth MD. **Md State Med J** 1981 Apr;30(4):40–50
Truth-telling to patients. Moutsopoulos L. **Med Law** 1984; 3(3):237–51
Framework provides path through right-to-know law. Ashford NA, et al. **Occup Health Saf** 1983 Oct;52(10):11–9, 25–7
Truth telling in pediatrics. Case for discussion. **Prog Clin Biol Res** 1983;139:171–2
Deception in the teaching hospital. Brody H. **Prog Clin Biol Res** 1983;139:81–6
Discussion summary: deception in the teaching hospital. Ganos D. **Prog Clin Biol Res** 1983;139:95–7
Introduction: deception in the teaching hospital. Ganos D. **Prog Clin Biol Res** 1983;139:77–8
Deception in the teaching hospital: where we've been and where we're going. Liepman MK. **Prog Clin Biol Res** 1983; 139:87–94
Deception in the teaching hospital. Case for discussion. Lipson R, et al. **Prog Clin Biol Res** 1983;139:79–80
Public access versus professional control of research. Nelkin D. **Prog Clin Biol Res** 1983;128:251–8
Whistle blowing and social responsibility in science. Nelkin D. **Prog Clin Biol Res** 1983;128:351–7
'Truth telling in pediatrics – in degrees'. O'Connor PA. **Prog Clin Biol Res** 1983;139:189–94
Childhood death and medical ethics: an historical perspective on truth-telling in pediatrics. Pernick MS. **Prog Clin Biol Res** 1983;139:173–88
Truth and/or fiction: the case of the 'Documentary novel'. Skodvin M. **Prog Clin Biol Res** 1983;128:87–93
Introduction: truth telling in pediatrics. Warren G. **Prog Clin Biol Res** 1983;139:167–9
Discussion summary: truth telling in pediatrics. Warren G. **Prog Clin Biol Res** 1983;139:195–6
To tell or not to tell [letter] Bleich A. **Schizophr Bull** 1983; 9(3):329–30
Communication between general practitioners and patients dying at home. Todd CJ, et al. **Soc Sci Med** 1984; 18(8):667–72
[Lies and gynecology] Doležal A. **Cesk Gynekol** 1983 Jun; 48(5):384–7 **(Cze)**
[Limits of the physician's duty to inform: Western European comparisons] Wachsmuth W, et al. **Dtsch Med Wochenschr** 1984 Jan 27;109(4):153–5 **(Ger)**
[Informing patients in the advanced stage of cancer] Köhle K. **MMW** 1984 Mar 2;126(9):214–8 **(Ger)**
[Information on tumor diagnosis and advance knowledge in patients with suspected breast cancer] Schwarz R. **Psychother Psychosom Med Psychol** 1984 May;34(5):111–5 (Eng. Abstr.) **(Ger)**
[Analysis of patients' opinions with regard to information received on diagnosed cancer] Jarema A. **Ann Acad Med Stetin** 1983;29:341–55 (29 ref.) (Eng. Abstr.) **(Pol)**
[Why the truth should be told to the cancer patient (letter)] Lane JC. **Rev Paul Med** 1983 Nov-Dec;101(6):248 **(Por)**
[To tell or not to tell the definite diagnosis to a patient with cancer] Kubović M. **Lijec Vjesn** 1984 Apr;106(4):161–2 (Eng. Abstr.) **(Scr)**

TRYPAN BLUE

Comparison of two supravital stains in examination of human semen and in tests for cytotoxic antibodies to human spermatozoa. Jager S, et al. **Fertil Steril** 1984 Feb; 41(2):294–7

ADVERSE EFFECTS

[Morphological findings in lymph nodes, spleen and liver in the rat following treatment with polyvinylpyrrolidone

and trypan blue (light microscopy studies)] Nakopoulou L, et al. **Zentralbl Allg Pathol** 1984;129(2):105–10 (Eng. Abstr.) **(Ger)**

METABOLISM

Lack of uptake of indocyanine green and trypan blue by hepatocellular carcinoma. Itoshima T, et al. **Acta Med Okayama** 1984 Feb;38(1):65–9

Trypan blue uptake as a new method to investigate hepatotoxicity in periportal and pericentral regions of the liver lobule: studies with allyl alcohol in the perfused liver. Belinsky SA, et al. **J Pharmacol Exp Ther** 1984 Sep; 230(3):755–60

Methods in laboratory investigation. Exclusion of trypan blue from microcarriers by endothelial cells: an in vitro barrier function test. Boiadjieva S, et al. **Lab Invest** 1984 Feb; 50(2):239–46

PHARMACODYNAMICS

A comparative study of the inhibitory effect of trypan blue on mouse erythrocyte and C3 binding receptors of peripheral blood mononuclear cells from healthy donors and patients suffering from chronic lymphocytic leukaemia. Dobozy A, et al. **Folia Haematol (Leipz)** 1983;110(4):510–6

Effects of trypan blue on thyroid secretion: localization of trypan blue within the colloid space and phagolysosomes of thyroid follicles. Peake RL, et al. **J Endocrinol Invest** 1983 Jun;6(3):161–7

Effect of endotoxin administration in trypan blue pretreated mice. Abe H, et al. **Microbiol Immunol** 1983;27(11):973–8

Abolishment of anti CFU–S and anti CFU–C activity of rabbit anti mouse brain serum (RAMBS) with trypan blue treatment of recipients. Murate T, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):34–40

TOXICITY

Electrocardiographic studies of developing rodents exposed in utero to trypan blue. Watkinson WP, et al. **Prog Clin Biol Res** 1983;140:207–22

Assessment of adult skeletons to detect prenatal exposure to trypan blue in mice. Beck SL. **Teratology** 1983 Oct; 28(2):271–85

Evidence for repair in trypan blue–treated mouse egg cylinders: an electron microscopic study. Hamburgh M, et al. **Teratology** 1984 Jun;29(3):393–403

Ultrastructure of trypan blue–induced ocular defects II. Cornea and mesenchyme. Schmidt KL, et al. **Teratology** 1984 Feb;29(1):105–16

Ultrastructure of trypan blue induced ocular defects: I. Retina and lens. Schmidt KL, et al. **Teratology** 1983 Aug; 28(1):131–44

[Studies on the pharmacological bases of fetal toxicity of drugs. (VI) Teratogenic effects of trypan blue and related compounds in rats] Ema M, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):459–65 (Eng. Abstr.) **(Jpn)**

[Studies on the pharmacological bases of fetal toxicity of drugs. (V) Effect of different administration routes of trypan blue in rats] Ema M, et al. **Nippon Yakurigaku Zasshi** 1984 May;83(5):433–40 (Eng. Abstr.) **(Jpn)**

TRYPANOCIDAL AGENTS

Biological action of inosine analogs in Leishmania and Trypanosoma spp. Marr JJ, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):292–5

The in vitro trypanocidal activity of N–substituted p–benzoquinone imines: assessment of biochemical structure–activity relationships using the Hansch approach. Grady RW, et al. **J Cell Biochem** 1984;25(1):15–29

A theoretical study of the nonintercalative binding of berenil and stilbamidine to double–stranded (dA–dT)n oligomers. Gresh N, et al. **Mol Pharmacol** 1984 May;25(3):452–8

In vitro action of three benzo (de) isoquinoline–1,3–dione derivatives against Trypanosoma cruzi. Osuna A, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep–Oct;25(5):254–8

[Effect of the combination of hydroxamic acids and glycerol on Trypanosoma evansi (T. venezuelense)] Bertazzoni Minelli E, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):41–7 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Identification of an acridine photoaffinity probe for trypanocidal action. Firth WJ 3d, et al. **J Med Chem** 1984 Jul;27(7):865–70

Trypanocidal 1,3–arylene diketone bis(guanylhydrazone)s. Structure–activity relationships among substituted and heterocyclic analogues. Ulrich P, et al. **J Med Chem** 1984 Jan;27(1):35–40

METABOLISM

Reductive metabolism and activation of benznidazole. Masana M, et al. **Biochem Pharmacol** 1984 Apr 1; 33(7):1041–5

Reductive metabolism and activation of benznidazole, a drug against Chagas' disease. Masana M, et al. **Dev Toxicol Environ Sci** 1983;11:383–6

Free radical metabolites in the mode of action of chemotherapeutic agents and phagocytic cells on Trypanosoma cruzi. Docampo R, et al. **Rev Infect Dis** 1984 Mar–Apr;6(2):223–38 (128 ref.)

PHARMACODYNAMICS

Trypanosoma cruzi: a pharmacological comparison of some Bolivian isoenzymic strains. Barnabe C, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):319–24

Inhibitors of histamine metabolism in vitro and in vivo. Correlations with antitrypanosomal activity. Duch DS, et al. **Biochem Pharmacol** 1984 May 1;33(9):1547–53

Trypanocidal and antitumour activity of platinum–metal and platinum–metal–drug dual–function complexes. Farrell NP, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):961–71

Fine structural alterations in Trypanosoma rhodesiense grown in vitro, treated with WR 163577. Berman JD, et al. **J Protozool** 1984 Feb;31(1):184–6

Trypanocidal action of neuroleptic phenothiazines in Trypanosoma brucei. Seebeck T, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):197–208

A novel series of chemical structures active in vitro against the trypomastigote form of Trypanosoma cruzi. Hammond DJ, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):91–5

The effect of isometamidium chloride on Trypanosoma vivax occurring within the insect vector (Glossina). Agu WE. **Z Parasitenkd** 1984;70(4):431–5

THERAPEUTIC USE

Capacity of a cis–diammineplatinum[II]–polyglutamic acid complex to cure Trypanosoma congolense infections in mice. Meshnick SR, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):286–8

Role of antibody in the elimination of trypanosomes after DL–alpha–difluoromethyiornithine chemotherapy. de Gee AL, et al. **J Parasitol** 1983 Oct;69(5):818–22

A comparison of the efficacy of isometamidium, amicarbalide and diminazene against Babesia canis in dogs and the effect on subsequent immunity. Stewart CG. **J S Afr Vet Assoc** 1983 Mar;54(1):47–51

Chronic Chagas' disease in the mouse. IV. Effect of trypanocidal drugs. Laguens RP, et al. **Medicina (B Aires)** 1983;43(2):126–30

Persistence of Berenil in cattle. Wellde BT, et al. **Trop Anim Health Prod** 1983 Aug;15(3):149–50

Observation on drug resistance of Trypanosoma (Nannomonas) congolense and Trypanosoma (Duttonella) vivax in cattle at a feedlot in the Northern Ivory Coast. Küpper W, et al. **Tropenmed Parasitol** 1983 Sep;34(3):203–5

Effect of trypanocides on jugular concentration of Trypanosoma congolense in the West African dwarf sheep. Kalu AU. **Vet Parasitol** 1983 Nov;13(4):299–309

Effect of isometamidium on infections by Trypanosoma vivax and T. evansi in experimentally–infected animals. Toro M, et al. **Vet Parasitol** 1983 Aug;13(1):35–43

[The therapeutic effect of allopurinol on American trypanosomiasis (Chagas disease) in CFW mice] Castrillón Rivera LE, et al. **Salud Publica Mex** 1984 Mar–Apr; 26(2):146–54 (Eng. Abstr.) **(Spa)**

TRYPANOSOMA

ANALYSIS

The variable surface glycoproteins of Trypanosoma equiperdum are phosphorylated. Baltz T, et al. **EMBO J** 1982;1(11):1393–8

The fatty acids of Trypanosoma vivax. Anekwe GE, et al. **Int J Biochem** 1983;15(9):1183–5

Trypanosoma rhodesiense bloodstream trypomastigote and culture procyclic cell surface carbohydrates. Jackson PR, et al. **J Protozool** 1983 Nov;30(4):662–8

The surface of the African trypanosomes. Richards FF. **J Protozool** 1984 Feb;31(1):60–4 (46 ref.)

CLASSIFICATION

Interspecific differentiation of Trypanosoma cruzi, Trypanosoma conorhini and Trypanosoma rangeli by lectins in combination with complement lysis. Schottelius J, et al. **Acta Trop (Basel)** 1984 Mar;41(1):29–38

Distinction of African trypanosome species using nucleic acid hybridization. Massamba NN, et al. **Parasitology** 1984 Feb; 88 (Pt 1):55–65

Identity of Trypanozoon stocks isolated from man and a domestic dog in Liberia. Zillmann U, et al. **Tropenmed Parasitol** 1984 Jun;35(2):105–8

Comparative studies of Trypanosoma cruzi and T. cruzi–like stocks from different South American countries using lectins. Schottelius J, et al. **Z Parasitenkd** 1983;69(6):727–36

CYTOLOGY

The morphology of ovine Trypanosoma melophagium (zoomastigophorea: kinetoplastida). Büscher G, et al. **J Protozool** 1984 Feb;31(1):98–101

DRUG EFFECTS

Effects of Daunomycin and Daunomycin–protein conjugates on the ultrastructure of Trypanosoma rhodesiense. Williamson J, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):997–1005

Fine structural alterations in Trypanosoma rhodesiense grown in vitro, treated with WR 163577. Berman JD, et al. **J Protozool** 1984 Feb;31(1):184–6

Suramin sensitivity of stocks of Trypanosoma evansi isolated in the Sudan. Abebe G, et al. **Trop Anim Health Prod** 1983 Aug;15(3):151–2

Observation on drug resistance of Trypanosoma (Nannomonas) congolense and Trypanosoma (Duttonella) vivax in cattle at a feedlot in the Northern Ivory Coast. Küpper W, et al. **Tropenmed Parasitol** 1983 Sep;34(3):203–5

The effect of isometamidium chloride on Trypanosoma vivax occurring within the insect vector (Glossina). Agu WE. **Z Parasitenkd** 1984;70(4):431–5

[Effect of the combination of hydroxamic acids and glycerol on Trypanosoma evansi (T. venezuelense)] Bertazzoni Minelli E, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):41–7 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Glycosyltransferase activities in Golgi complex and endoplasmic reticulum fractions isolated from African trypanosomes. Grab DJ, et al. **J Cell Biol** 1984 Aug; 99(2):569–77

Trypanosoma vivax, stock V953: inhibitory effect of type A influenza virus anti–HAV8 serum on in vitro neuraminidase (sialidase) activity. Esievo KA. **J Parasitol** 1983 Jun;69(3):491–5

A comparative study of the proteolytic enzymes of Trypanosoma brucei, T. equiperdum, T. evansi, T. vivax, Leishmania tarentolae and Crithidia fasciculata. North MJ, et al. **Mol Biochem Parasitol** 1983 Oct;9(2):161–80

GENETICS

At least two transposed sequences are associated in the expression site of a surface antigen gene in different trypanosome clones. Pays E, et al. **Cell** 1983 Sep; 34(2):359–69

Gene conversion as a mechanism for antigenic variation in trypanosomes. Pays E, et al. **Cell** 1983 Sep;34(2):371–81

DNA rearrangements of the variable surface antigen genes of the trypanosomes. Murphy WJ, et al. **J Protozool** 1984 Feb;31(1):65–73

Quick–changing trypanosomes elude antibody [news] Wingerson L. **JAMA** 1983 Dec 23–30;250(24):3272

Stability of expression–linked surface antigen gene in Trypanosoma equiperdum. Buck GA, et al. **Nature** 1984 Feb 9–15;307(5951):563–6

Telomere conversion in trypanosomes. De Lange T, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8149–65

Comparison of the genes coding for the common 5' terminal sequence of messenger RNAs in three trypanosome species. De Lange T, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4431–43

GROWTH & DEVELOPMENT

Comparative study of the susceptibility to infection with Trypanosoma simiae of Glossina morsitans and G. tachinoides. Agu WE. **Acta Trop (Basel)** 1984 Jun; 41(2):131–4

Trypanosoma vivax, T. congolense or T. brucei infection rates in Glossina morsitans when maintained in vitro on the blood of goat or calf. Moloo SK. **Acta Trop (Basel)** 1984 Mar;41(1):45–9

Growth and transformation of Trypanosoma danilewskyi in a liquid medium. Rousková H, et al. **Folia Parasitol (Praha)** 1983;30(4):295–301

Growth of Trypanosoma brucei gambiense, T. b. rhodesiense, and T. congolense in bone marrow cultures of genetically anemic Sl/Sld mice. Balber AE. **J Parasitol** 1984 Feb; 70(1):179–80

Morphological and developmental studies of the snake trypanosome Trypanosoma hydrae Ayala, Atkinson, Vakalis, 1983 in experimentally infected hosts and in culture. Chia NM, et al. **J Protozool** 1984 May;31(2):352–6

IMMUNOLOGY

Differential labelling of trypanosome microtubules using tubulin subunit monoclonal antibodies. Cumming R, et al. **Cell Biol Int Rep** 1984 Jan;8(1):2

The control of variant surface antigen synthesis in trypanosomes. Borst P, et al. **Eur J Biochem** 1983 Dec 15;137(3):383–9 (49 ref.)

Interaction between murine natural killer cells and trypanosomes of different species. Albright JW, et al. **Infect Immun** 1984 May;44(2):315–9

Evidence for lipid–protein interactions in the attachment of antigens to a low–density membrane fraction isolated from Trypanosoma rhodesiense. McLaughlin J. **Infect Immun** 1984 Jan;43(1):294–301

Platelet activity in immune lysis of Trypanosoma musculi. Viens P, et al. **Int J Parasitol** 1983 Dec;13(6):527–30

Role of antibody in the elimination of trypanosomes after DL–alpha–difluoromethylornithine chemotherapy. de Gee AL, et al. **J Parasitol** 1983 Oct;69(5):818–22

Sequences homologous to variant antigen mRNA spliced leader in Trypanosomatidae which do not undergo antigenic variation. Nelson RG, et al. **Nature** 1984 Apr 12–18;308(5960):665–7

Specific antibody responses to the variable surface glycoproteins of Trypanosoma congolense in infected cattle. Masake RA, et al. **Parasite Immunol** 1983 Jul; 5(4):345–55

Antigenic variation in Trypanosoma vivax: isolation of a serodeme. Barry JD, et al. **Parasitology** 1984 Aug;89 (Pt 1):49–58

Trypanosoma vivax and the action of cotton-rat serum [letter] Cover B. **Trans R Soc Trop Med Hyg** 1984; 78(1):140–1

ISOLATION & PURIFICATION

Vertebrate hosts and vectors of Trypanosoma rangeli in the Amazon Basin of Brazil. Miles MA, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1251–9

The experimental use of 'sentinel' goats to monitor trypanosomiasis in a Zambian sleeping sickness focus. Part I. The isolation of Trypanosoma brucei rhodesiense-like organisms from a 'sentinel' domestic goat. Rickman LR, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):427–9

Anion-exchange separation for neotropical trypanosomes: a preliminary trial and a description of Trypanosoma devei from the tamarin Saguinus midas niger. Lanham SM, et al. **Z Parasitenkd** 1984;70(3):311–9

Trypanosomes in Cervidae in Germany. Friedhoff KT, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):286–7

[Melophagus ovinus and Trypanosoma (Megatrypanum) melophagium in ovines in the State of Minas Gerais, Brazil] Costa JO, et al. **Mem Inst Oswaldo Cruz** 1983 Jan-Mar; 78(1):101–3 (Eng. Abstr.) **(Por)**

[A new specie of Trypanosoma (Megatrypanum) found as a parasite of Marmosa cinerea (Marsupialia: Didelphidae), in the State of São Paulo, Brazil] Rodrigues VL, et al. **Rev Bras Biol** 1982 Nov;42(4):741–4 **(Por)**

METABOLISM

Studies on the mechanism of adenosine transport in Trypanosoma vivax. Okochi VI, et al. **Biochem Int** 1983 Feb;6(2):129–39

Biosynthesis of the novel fatty acid, 17-methyl-cis-9,10-methyleneoctadecanoic acid, by the parasitic protozoan, Herpetomonas megaseliae. Holz GG Jr, et al. **Lipids** 1983 Sep;18(9):607–10

Comparative aspects of purine metabolism in some African trypanosomes. Ogbunude PO, et al. **Mol Biochem Parasitol** 1983 Dec;9(4):279–87

[From cancer cell to Trypanosoma and back] Borst P. **Ned Tijdschr Geneeskd** 1984 Apr 21;128(16):764–73 **(Dut)**

PHYSIOLOGY

Studies on Trypanosoma rangeli Tejera, 1920 II. Its effect on feeding behaviour of triatomine bugs. Añez N, et al. **Acta Trop (Basel)** 1984 Mar;41(1):93–5

The course of fatal Trypanosoma simiae infection in domestic sheep. Joshua RA, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):91–2

Recent observations on the behaviour of certain trypanosomes within their insect hosts. Evans DA, et al. **Adv Parasitol** 1983;22:1–42 (80 ref.)

Inadequacy of the dissection method of estimating trypanosome infection rates. Otieno LH. **Ann Trop Med Parasitol** 1983 Jun;77(3):329–30

Trypanosoma brucei rhodesiense: mechanical transmission by tsetse, Glossina morsitans (Diptera: Glossinidae), in the laboratory. Gingrich JB, et al. **J Med Entomol** 1983 Nov 30;20(6):673–6

ULTRASTRUCTURE

Vector—parasite relationships: the effect of Trypanosoma (Nannomonas) congolense on Glossina pallidipes. Kaddu JB, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):315–20

TRYPANOSOMA BRUCEI see **TRYPANOSOMA BRUCEI BRUCEI**

TRYPANOSOMA BRUCEI BRUCEI

Alpha-helical coiled-coil structures of Trypanosoma brucei variable surface glycoproteins. Cohen C, et al. **Nature** 1984 Sep 13–19;311(5982):169–71

ANALYSIS

Antigenic variation in Trypanosoma brucei analyzed by electrophoretic separation of chromosome-sized DNA molecules. Van der Ploeg LH, et al. **Cell** 1984 May; 37(1):77–84

Partial purification and characterization of microtubular protein from Trypanosoma brucei. Stieger J, et al. **J Biol Chem** 1984 Apr 10;259(7):4596–602

Release and purification of Trypanosoma brucei variant surface glycoprotein. Cross GA. **J Cell Biochem** 1984; 24(1):79–90

Purification and properties of the membrane form of variant surface glycoproteins (VSGs) from Trypanosoma brucei. Cardoso de Almeida ML, et al. **J Protozool** 1984 Feb; 31(1):53–60

A comparison of the glycosomes (microbodies) isolated from Trypanosoma brucei bloodstream form and cultured procyclic trypomastigotes. Hart DT, et al. **Mol Biochem Parasitol** 1984 May;12(1):25–35

Subcellular distribution and partial characterization of the cyclic AMP-binding proteins of Trypanosoma brucei. Rangel-Aldao R, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):231–41

6 A-resolution X-ray structure of a variable surface glycoprotein from Trypanosoma brucei. Freymann DM, et al. **Nature** 1984 Sep 13–19;311(5982):167–9

CLASSIFICATION

The polypeptide profiles of strains of the Trypanosoma subgenera Schizotrypanum and Trypanozoon: peptideme characterization. Taylor AE, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):354–62

DRUG EFFECTS

Bromoacetyl-L-carnitine: biochemical and antitrypanosomal actions against Trypanosoma brucei brucei. Gilbert RJ, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3447–51

Interaction of high-density lipoprotein with Trypanosoma brucei: effect of membrane stabilizers. Rifkin MR. **J Cell Biochem** 1983;23(1–4):57–70

Identification of an acridine photoaffinity probe for trypanocidal action. Firth WJ 3d, et al. **J Med Chem** 1984 Jul;27(7):865–70

Trypanocidal action of neuroleptic phenothiazines in Trypanosoma brucei. Seebeck T, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):197–208

ENZYMOLOGY

Glycosyltransferase activities in Golgi complex and endoplasmic reticulum fractions isolated from African trypanosomes. Grab DJ, et al. **J Cell Biol** 1984 Aug; 99(2):569–77

The enzymes of purine salvage in Trypanosoma cruzi, Trypanosoma brucei and Leishmania mexicana. Davies MJ, et al. **Parasitology** 1983 Oct;87 (Pt 2):211–7

Isolation of phospholipase A1 from Trypanosoma brucei. Hambrey PN, et al. **Tropenmed Parasitol** 1984 Mar; 35(1):15–9

GENETICS

Two modes of activation of a single surface antigen gene of Trypanosoma brucei. Bernards A, et al. **Cell** 1984 Jan; 36(1):163–70

Identification of a telomeric DNA sequence in Trypanosoma brucei. Blackburn EH, et al. **Cell** 1984 Feb;36(2):447–57

Tandem repetition of the 5' mini-exon of variant surface glycoprotein genes: a multiple promoter for VSG gene transcription? De Lange T, et al. **Cell** 1983 Oct; 34(3):891–900

Complete nucleotide sequence of an unusual mobile element from trypanosoma brucei. Hasan G, et al. **Cell** 1984 May; 37(1):333–41

Sequences homologous to the variant antigen mRNA spliced leader are located in tandem repeats and variable orphons in trypanosoma brucei. Nelson RG, et al. **Cell** 1983 Oct; 34(3):901–9

Trypanosome mRNAs share a common 5' spliced leader sequence. Parsons M, et al. **Cell** 1984 Aug;38(1):309–16

Structure of the growing telomeres of Trypanosomes. Van der Ploeg LH, et al. **Cell** 1984 Feb;36(2):459–68

The inactivation and reactivation of an expression-linked gene copy for a variant surface glycoprotein in Trypanosoma brucei. Michels PA, et al. **EMBO J** 1984 Jun;3(6):1345–51

Gene activation and re-expression of a Trypanosoma brucei variant surface glycoprotein. Michiels F, et al. **EMBO J** 1983;2(7):1185–92

Ribosomal RNA genes of Trypanosoma brucei: mapping the regions specifying the six small ribosomal RNAs. Hasan G, et al. **Gene** 1984 Jan;27(1):75–86

Mitochondrial DNA of an African trypanosome. Stuart K. **J Cell Biochem** 1983;23(1–4):13–26

The role of duplication in the expression of a variable surface glycoprotein gene of Trypanosoma brucei. Young JR, et al. **J Cell Biochem** 1984;24(3):287–95

Molecular characterization of initial variants from the IsTat I serodeme of Trypanosoma brucei. Milhausen M, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):241–54

Genomic organization of Trypanosoma brucei variant antigen gene families in sequential parasitemias. Parsons M, et al. **Mol Biochem Parasitol** 1983 Nov;9(3):255–69

Two mechanisms of expression of a predominant variant antigen gene of Trypanosoma brucei. Myler P, et al. **Nature** 1984 May 17–23;309(5965):282–4

Are there two classes of VSG gene in Trypanosoma brucei? Young JR, et al. **Nature** 1983 Nov 10–16;306(5939):196–8

The nucleotide sequence of a segment of Trypanosoma brucei mitochondrial maxi-circle DNA that contains the gene for apocytochrome b and some unusual unassigned reading frames. Benne R, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):6925–41

The 5'-limit of transposition and upstream barren region of a trypanosome VSG gene: tandem 76 base-pair repeats flanking (TAA)90. Campbell DA, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2759–74

Telomere conversion in trypanosomes. De Lange T, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8149–65

Characterization of the 1.35 kilobase DNA repeat unit containing the conserved 35 nucleotides at the 5'-termini of variable surface glycoprotein mRNAs in Trypanosoma brucei. Dorfman DM, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4907–20

Differential size variations between transcriptionally active and inactive telomeres of Trypanosoma brucei. Pays E, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8137–47

Possible DNA modification in GC dinucleotides of Trypanosoma brucei telomeric sequences; relationship with antigen gene transcription. Pays E, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5235–47

An African trypanosome variant surface glycoprotein gene whose expression is not activated by duplication. Penncavage NA, et al. **Nucleic Acids Res** 1983 Dec 10; 11(23):8343–57

Trypanosome variant-specific glycoproteins: a polygene protein family with multiple folding patterns? Lalor TM, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):998–1002

Variant antigen genes of Trypanosoma brucei: genomic alteration of a spliced leader orphon and retention of expression-linked copies during differentiation. Parsons M, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):684–8

GROWTH & DEVELOPMENT

Trypanosoma vivax, T. congolense or T. brucei infection rates in Glossina morsitans when maintained in vitro on the blood of goat or calf. Moloo SK. **Acta Trop (Basel)** 1984 Mar;41(1):45–9

Antigenic variation during the developmental cycle of Trypanosoma brucei. Hajduk SL. **J Protozool** 1984 Feb; 31(1):41–7 (46 ref.)

Regulation of the growth and differentiation of Trypanosoma (Trypanozoon) brucei brucei in resistant (C57Bl/6) and susceptible (C3H/He) mice. Black SJ, et al. **Parasite Immunol** 1983 Sep;5(5):465–78

Parasite development and host responses during the establishment of Trypanosoma brucei infection transmitted by tsetse fly. Barry JD, et al. **Parasitology** 1984 Feb;88 (Pt 1):67–84

The use of 75-seleno-methionine labelled Trypanosoma brucei to measure parasite replication in vivo. MacAskill JA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):197–200

IMMUNOLOGY

Modifications of a Trypanosoma b. brucei antigen gene repertoire by different DNA recombinational mechanisms. Pays E, et al. **Cell** 1983 Dec;35(3 Pt 2):721–31

A subpopulation of trypanosome microtubules recognized by a monoclonal antibody to tubulin. Gallo JM, et al. **EMBO J** 1983;2(4):479–83

Trypanosoma brucei: biochemical and morphological studies of cytotoxicity caused by normal human serum. Rifkin MR. **Exp Parasitol** 1984 Aug;58(1):81–93

Anti-trypanosome specific immune responses in bovids of differing susceptibility to African trypanosomiasis. Pinder M, et al. **Immunology** 1984 Feb;51(2):247–58

Resistance of cattle to tsetse-transmitted challenge with Trypanosoma brucei or Trypanosoma congolense after spontaneous recovery from syringe-passaged infections. Nantulya VM, et al. **Infect Immun** 1984 Feb;43(2):735–8

Trypanosome antigen-antibody complexes and immunoconglutinin interactions in African trypanosomiasis. Rickman WJ, et al. **Int J Parasitol** 1983 Aug;13(4):389–92

Comparison of the expression-linked extra copy (ELC) and basic copy (BC) genes of a trypanosome surface antigen. Donelson JE, et al. **J Cell Biochem** 1983;23(1–4):1–12

Genomic organization of variant surface glycoprotein genes in Trypanosoma brucei procyclic culture forms. Parsons M, et al. **J Cell Biochem** 1983;23(1–4):27–33

Topologic mapping of protective and nonprotective epitopes on the variant surface glycoprotein of the WRATat 1 clone of Trypanosoma brucei rhodesiense. Hall T, et al. **J Immunol** 1984 Apr;132(4):2059–63

Genetics of resistance to the African trypanosomes. III. Variant-specific antibody responses of H-2-compatible resistant and susceptible mice. Levine RF, et al. **J Immunol** 1984 Sep;133(3):1564–9

Expression of a Trypanosoma brucei brucei variant antigen in Escherichia coli. Parsons M, et al. **Mol Biochem Parasitol** 1984 Feb;10(2):207–16

Instability of the Trypanosoma brucei rhodesiense metacyclic variable antigen repertoire. Barry JD, et al. **Nature** 1983 Dec 15–21;306(5944):699–701

Evolution of a trypanosome surface antigen gene repertoire linked to non-duplicative gene activation. Laurent M, et al. **Nature** 1984 Mar 22–28;308(5957):370–3

Modification of telomeric DNA in Trypanosoma brucei; a role in antigenic variation? Bernards A, et al. **Nucleic Acids Res** 1984 May 25;12(10):4153–70

Many trypanosome messenger RNAs share a common 5' terminal sequence. De Lange T, et al. **Nucleic Acids Res** 1984 May 11;12(9):3777–90

Expression of antigenic regions of a trypanosome variable surface glycoprotein in E. coli using Bal-31 nuclease digestion. Lenardo MJ, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4637–52

Alternative pathway activation of complement by African trypanosomes lacking a glycoprotein coat. Ferrante A, et al. **Parasite Immunol** 1983 Sep;5(5):491–8

Natural agglutinins to African trypanosomes. Ferrante A, et al. **Parasite Immunol** 1983 Nov;5(6):539–46

[Antigenic variation of Trypanosoma brucei with reference to the serodiagnosis of sleeping sickness] Vervoort T, et al. **Verh K Acad Geneeskd Belg** 1983;45(4):329–53 (Eng.

Abstr.) (Dut)
[Characterization of the AnTAR 2 antigen of Trypanosoma brucei brucei] Bajyana Songa E, et al. **Ann Soc Belg Med Trop** 1984 Mar;64(1):13–20 (Eng. Abstr.) (Fre)
[Characterization of the antigenic index AnTAR 5 of Trypanosoma brucei brucei] Bajyana Songa E, et al. **Ann Soc Belg Med Trop** 1983 Sep;63(3):205–17 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Human plasma resistant strain of Trypanozoon isolated from cattle in Gamo Gofa [letter] Abebe M, et al. **Ethiop Med J** 1983 Oct;21(4):273–4
Isolation of human serum resistant Trypanozoon from cattle in Nigeria. Joshua RA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):201–2

METABOLISM

Comparison of glycolysis in intact and digitonin-permeabilized bloodstream trypomastigotes of Trypanosoma brucei. Kisira JK, et al. **Int J Biochem** 1983; 15(11):1379–83
Myristylation of the membrane form of a Trypanosoma brucei variant surface glycoprotein. Ferguson MA, et al. **J Biol Chem** 1984 Mar 10;259(5):3011–5
Threonine uptake in Trypanosoma brucei. Fricker SP, et al. **Mol Biochem Parasitol** 1984 Apr;11:215–23

PATHOGENICITY

The acquisition of human serum resistance during cyclical passage of a Trypanosoma brucei brucei clone through Glossina morsitans morsitans maintained on human serum [letter] Rickman LR, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):284
Behaviour of a Trypanosoma brucei brucei stock (STIB 348C) in mice. 4. Different course of primary parasitemia in trypanosome variants of different virulence. Büngener W. **Tropenmed Parasitol** 1984 Jun;35(2):115–8
[Behavior of a Trypanosoma brucei strain (STIB 348C) in mice. 3. Histopathological findings in the terminal stage of infection] Büngener W. **Tropenmed Parasitol** 1983 Dec; 34(4):213–9 (Eng. Abstr.) (Ger)

PHYSIOLOGY

Increased sensitivity to a natural pyrethrum extract of Trypanosoma-infected Glossina morsitans. Golder TK, et al. **Acta Trop (Basel)** 1984 Mar;41(1):77–9
Repression of glycoprotein synthesis and release of surface coat during transformation of Trypanosoma brucei. Overath P, et al. **EMBO J** 1983;2(10):1721–8
Indomethacin promotes differentiation of Trypanosoma brucei. Jack RM, et al. **Infect Immun** 1984 Jan;43(1):445–8
Further evidence for the existence of a membrane potential in Trypanosoma brucei brucei. Midgley M. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2677–9
Lipoprotein lipase suppression in 3T3-L1 cells by a haematoprotozoan-induced mediator from peritoneal exudate cells. Hotez PJ, et al. **Parasite Immunol** 1984 May; 6(3):203–9

ULTRASTRUCTURE

A quantitative ultrastructural study on the transformation of Trypanosoma brucei metacyclic to bloodstream forms in vitro. Brun R, et al. **Acta Trop (Basel)** 1984 Jun; 41(2):117–29
Localization of the initial steps in alkoxyphospholipid biosynthesis in glycosomes (microbodies) of Trypanosoma brucei. Opperdoes FR. **FEBS Lett** 1984 Apr 9;169(1):35–9
Purification, morphometric analysis, and characterization of the glycosomes (microbodies) of the protozoan hemoflagellate Trypanosoma brucei. Opperdoes FR, et al. **J Cell Biol** 1984 Apr;98(4):1178–84

TRYPANOSOMA BRUCEI GAMBIENSE

DRUG EFFECTS

Effects of bleomycin on kinetoplast DNA and nuclear DNA in Trypanosoma gambiense using in situ microfluorometry technique. Inoki S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):300–4

GROWTH & DEVELOPMENT

Growth of Trypanosoma brucei gambiense, T. b. rhodesiense, and T. congolense in bone marrow cultures of genetically anemic Sl/Sld mice. Balber AE. **J Parasitol** 1984 Feb; 70(1):179–80

IMMUNOLOGY

The ecology of antigenic variation. Seed JR, et al. **J Protozool** 1984 Feb;31(1):48–53

ISOLATION & PURIFICATION

Isolation of human serum resistant Trypanozoon from cattle in Nigeria. Joshua RA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):201–2

TRYPANOSOMA CONGOLENSE

ANALYSIS

Structural studies on the major oligosaccharides in a variant surface glycoprotein of Trypanosoma congolense. Savage A, et al. **Mol Biochem Parasitol** 1984 Apr;11:309–28

DRUG EFFECTS

Observation on drug resistance of Trypanosoma (Nannomonas) congolense and Trypanosoma (Duttonella) vivax in cattle at a feedlot in the Northern Ivory Coast. Küpper W, et al. **Tropenmed Parasitol** 1983 Sep;34(3):203–5

ENZYMOLOGY

Enzyme polymorphism and the distribution of Trypanosoma congolense isolates. Young CJ, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):467–81
Glycosyltransferase activities in Golgi complex and endoplasmic reticulum fractions isolated from African trypanosomes. Grab DJ, et al. **J Cell Biol** 1984 Aug; 99(2):569–77
A calcium dependent endoribonuclease from Trypanosoma congolense cytoplasm. Gbenle GO, et al. **Mol Biochem Parasitol** 1984 May;12(1):15–24

GROWTH & DEVELOPMENT

Trypanosoma vivax, T. congolense or T. brucei infection rates in Glossina morsitans when maintained in vitro on the blood of goat or calf. Moloo SK. **Acta Trop (Basel)** 1984 Mar;41(1):45–9
Growth of Trypanosoma brucei gambiense, T. b. rhodesiense, and T. congolense in bone marrow cultures of genetically anemic Sl/Sld mice. Balber AE. **J Parasitol** 1984 Feb; 70(1):179–80

IMMUNOLOGY

The role of antibody and complement in the cellular response to Trypanosoma congolense. Schmitz B, et al. **Clin Exp Immunol** 1984 Apr;56(1):73–80
Resistance of cattle to tsetse-transmitted challenge with Trypanosoma brucei or Trypanosoma congolense after spontaneous recovery from syringe-passaged infections. Nantulya VM, et al. **Infect Immun** 1984 Feb;43(2):735–8
All metacyclic variable antigen types of Trypanosoma congolense identified using monoclonal antibodies. Crowe JS, et al. **Nature** 1983 Nov 24–30;306(5941):389–91
Alternative pathway activation of complement by African trypanosomes lacking a glycoprotein coat. Ferrante A, et al. **Parasite Immunol** 1983 Sep;5(5):491–8
Natural agglutinins to African trypanosomes. Ferrante A, et al. **Parasite Immunol** 1983 Nov;5(6):539–46
Interference with anti-trypanosome immune responses in rabbits infected with cyclically-transmitted Trypanosoma congolense. Luckins AG, et al. **Parasite Immunol** 1983 Nov; 5(6):547–56
Immune mechanisms in C57B1 mice genetically resistant to Trypanosoma congolense infection. II. Aspects of the humoral response. MacAskill JA, et al. **Parasite Immunol** 1983 Nov;5(6):577–86

METABOLISM

In vitro studies on the biosynthesis of the surface glycoprotein of Trypanosoma congolense. Reinwald E, et al. **J Protozool** 1984 May;31(2):300–6

PHYSIOLOGY

Serum factors and the maturation of Trypanosoma congolense infections in Glossina morsitans. Maudlin I, et al. **Z Parasitenkd** 1984;70(1):11–9

TRYPANOSOMA CRUZI

Suggested guidelines for work with live Trypanosoma cruzi. **Trans R Soc Trop Med Hyg** 1983;77(3):416–9
[Chagas' disease in Chile. Rural Sectors. Domiciliary triatomid infestation and Trypanosoma cruzi infection of the vector and mammals of Region I (1982–1983)] Martínez R, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):70–2 (Eng. Abstr.) (Spa)

ANALYSIS

Trypanosoma cruzi: measurement of DNA quantity in different isoenzymic strains. Inferences on the ploidy of these strains. Lemesre JL, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):313–7
Sialoglycolipids in Trypanosoma cruzi. Confalonieri AN, et al. **Biochem Int** 1983 Aug;7(2):215–22
The occurrence of N-acetyl- and N-glycoloylneuraminic acid in Trypanosoma cruzi. Schauer R, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug;364(8):1053–7
[ELISA methods for the detection of Trypanosoma cruzi carriers. Comparative study] Larrouy G, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):553–8 (Eng. Abstr.) (Fre)

CLASSIFICATION

Interspecific differentiation of Trypanosoma cruzi, Trypanosoma conorhini and Trypanosoma rangeli by lectins in combination with complement lysis. Schottelius J, et al. **Acta Trop (Basel)** 1984 Mar;41(1):29–38
The polypeptide profiles of strains of the Trypanosoma subgenera Schizotrypanum and Trypanozoon: peptideme characterization. Taylor AE, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):354–62
Comparative characterization of Venezuelan Trypanosoma cruzi stocks by electron microscopy, isoelectrofocusing and lectin typing. Mühlpfordt H, et al. **Tropenmed Parasitol** 1984 Mar;35(1):11–4
The selection of antigens for the diagnosis, prognosis and evolutive study of parasitic diseases. Sogandares-Bernal F, et al. **Vet Parasitol** 1984 Jun;14(3–4):185–91 (18 ref.)
Comparative studies of Trypanosoma cruzi and T. cruzi-like stocks from different South American countries using lectins. Schottelius J, et al. **Z Parasitenkd** 1983;69(6):727–36
[Taxonomic and medical status of isoenzyme strains of Trypanosoma cruzi. Considerations of the systematic and immunologic values of various isoenzymes] Tibayrenc M, et al. **C R Seances Acad Sci [III]** 1983;296(15):721–6 (Eng. Abstr.) (Fre)

CYTOLOGY

Trypanosoma cruzi: inhibition of intracellular and extracellular differentiation by ADP-ribosyl transferase antagonists. Williams GT. **Exp Parasitol** 1983 Dec; 56(3):409–15
Incubation in mice provides a signal for the differentiation of Trypanosoma cruzi epimastigotes to trypomastigotes. Sher A, et al. **J Protozool** 1983 May;30(2):278–83

DRUG EFFECTS

The photodynamic action of rose bengal on Trypanosoma cruzi. Cruz FS, et al. **Acta Trop (Basel)** 1984 Jun; 41(2):99–108
Trypanosoma cruzi: efficacy of the 2-substituted, 5-nitroimidazoles, MK-436 and L634,549, in tissue culture and mice. Murray PK, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1242–50
Trypanosoma cruzi: a pharmacological comparison of some Bolivian isoenzymic strains. Barnabe C, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):319–24
Modulation of macrophage interaction with Trypanosoma cruzi by phospholipase A2-sensitive components of the parasite membrane. Connelly MC, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):931–9
Macrophage activation by cord factor (trehalose 6,6'-dimycolate): enhanced association with and intracellular killing of Trypanosoma cruzi. Kierszenbaum F, et al. **Infect Immun** 1984 Feb;43(2):531–5
Macrophage mediation of the inhibitory effects of elevated intracellular levels of adenosine-3':5' cyclic monophosphate (cAMP) on macrophage-Trypanosoma cruzi association. Wirth JJ, et al. **Int J Parasitol** 1984 Aug; 14(4):401–4
Oxygen-dependent microbicidal systems of phagocytes and host defense against intracellular protozoa. Locksley RM, et al. **J Cell Biochem** 1983;22(3):173–85
Effect of gossypol upon motility and ultrastructure of Trypanosoma cruzi. Blanco A, et al. **J Protozool** 1983 Nov; 30(4):648–51
Free radical metabolites in the mode of action of chemotherapeutic agents and phagocytic cells on Trypanosoma cruzi. Docampo R, et al. **Rev Infect Dis** 1984 Mar-Apr;6(2):223–38 (128 ref.)
In vitro action of three benzo (de) isoquinoline-1,3-dione derivatives against Trypanosoma cruzi. Osuna A, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep-Oct;25(5):254–8
A novel series of chemical structures active in vitro against the trypomastigote form of Trypanosoma cruzi. Hammond DJ, et al. **Trans R Soc Trop Med Hyg** 1984;78(1):91–5

ENZYMOLOGY

A specific inhibitor of type I DNA-topoisomerase of Trypanosoma cruzi: dimethyl-hydroxy-ellipticinium. Douc-Rasy S, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):1–5
In vitro and in vivo studies of Trypanosoma cruzi DNA polymerase. Solari A, et al. **Biochem Int** 1983 Aug; 7(2):147–57
Inhibition by gossypol of oxidoreductases from Trypanosoma cruzi. Gerez de Burgos NM, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):955–9
Trypanosoma cruzi: carboxylesterase activity in intact epimastigotes. Repetto Y, et al. **Comp Biochem Physiol [B]** 1983;76(1):61–4
Cytochrome P-450 in culture forms of Trypanosoma cruzi. Agosin M, et al. **Comp Biochem Physiol [C]** 1984; 78(1):127–32
Inhibition of the reactions catalysed by a type I topoisomerase and catenating enzyme of Trypanosoma cruzi by DNA-intercalating drugs. Preferential inhibition of the catenating reaction. Douc-Rasy S, et al. **EMBO J** 1984 Jan;3(1):11–6
Nucleoside hydrolases from Trypanosoma cruzi. Miller RL, et al. **J Biol Chem** 1984 Apr 25;259(8):5073–7
A rapid and sensitive assay for neuraminidase using peanut

lectin hemagglutination: application to Vibrio cholera and Trypanosoma cruzi. Pereira ME. **J Immunol Methods** 1983 Sep 30;63(1):25–34

Characteristics of cytidine aminohydrolase activity in Trypanosoma cruzi and Crithidia fasciculata. Kidder GW. **J Protozool** 1984 May;31(2):298–300

Localization of a Mg2+–activated ATPase in the plasma membrane of Trypanosoma cruzi. Meirelles MN, et al. **J Protozool** 1984 Feb;31(1):135–40

Effect of temperature upon catalytic properties of alpha-hydroxyacid dehydrogenase from Trypanosoma cruzi. Coronel CE, et al. **Mol Biochem Parasitol** 1984 Feb; 10(2):185–93

Characterization of Trypanosoma cruzi hexokinase. Racagni GE, et al. **Mol Biochem Parasitol** 1983 Oct;9(2):181–8

The enzymes of purine salvage in Trypanosoma cruzi, Trypanosoma brucei and Leishmania mexicana. Davies MJ, et al. **Parasitology** 1983 Oct;87 (Pt 2):211–7

Correlation between isoenzyme patterns and biological behaviour of different strains of Trypanosoma cruzi. Andrade V, et al. **Trans R Soc Trop Med Hyg** 1983; 77(6):796–9

Zymodeme and species specificities of monoclonal antibodies raised against Trypanosoma cruzi. Flint JE, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):193–202

GENETICS

Homogeneous and heterogeneous mini-circle subpopulations in Trypanosoma cruzi kinetoplast DNA. Frasch AC, et al. **Biochim Biophys Acta** 1984 May 15;782(1):26–33

Rapid identification of Trypanosoma cruzi isolates by 'dot-spot' hybridization. Sanchez DO, et al. **FEBS Lett** 1984 Mar 12;168(1):139–42

The natural heterogeneity of Trypanosoma cruzi: biological and medical implications. Dvorak JA. **J Cell Biochem** 1984; 24(4):357–71

Repetitive sequences scattered throughout the genome of Trypanosoma cruzi. Frasch AC, et al. **Mol Biochem Parasitol** 1983 Jul;8(3):227–39

Small-size ribosomal RNA species in Trypanosoma cruzi. Hernández R, et al. **Mol Biochem Parasitol** 1983 Aug; 8(4):297–304

An endonuclease restriction analysis of the ribosomal RNA genes of Trypanosoma cruzi. Hernández R, et al. **Mol Biochem Parasitol** 1983 Aug;8(4):305–15

Rapid evolution of kinetoplast DNA mini-circle subpopulations in Trypanosoma cruzi. Sanchez DO, et al. **Mol Biochem Parasitol** 1984 Apr;11:169–78

Minichromosomal repetitive DNA in Trypanosoma cruzi: its use in a high-sensitivity parasite detection assay. Gonzalez A, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3356–60

GROWTH & DEVELOPMENT

Scanning electron microscopy of the final phase of the life cycle of Trypanosoma cruzi in the insect vector. Zeledón R, et al. **Acta Trop (Basel)** 1984 Mar;41(1):39–43

Role of iron in intracellular growth of Trypanosoma cruzi. Loo VG, et al. **Infect Immun** 1984 Sep;45(3):726–30

Specific inhibition of the differentiation of Trypanosoma cruzi. Williams GT. **J Cell Biol** 1984 Jul;99(1 Pt 1):79–82

Trypanosoma cruzi: arrested division of amastigote forms in enucleated HeLa cells. Osuna A, et al. **J Parasitol** 1983 Jun;69(3):629–31

Trypanosoma cruzi: quantification and analysis of the infectivity of cloned stocks. Doyle PS, et al. **J Protozool** 1984 May;31(2):280–3

Growth of Trypanosoma cruzi epimastigotes controlled by shifts in cyclic AMP mediated by adrenergic ligands. Oliveira MM, et al. **Mol Biochem Parasitol** 1984 Apr; 11:283–92

Trypanosoma cruzi: continuous cultivation with murine cell lines. Hudson L, et al. **Parasitology** 1984 Apr;88 (Pt 2):283–94

[Culture of Trypanosoma cruzi (Elpidio Padrón strain) in a semidefined medium. Effect of variations in its composition and condition] Goitia Aular M, et al. **Acta Cient Venez** 1982;33(6):488–96 (Eng. Abstr.) **(Spa)**

[Development and differentiation of Trypanosoma cruzi in liquid cell-free media] Lopetegui R, et al. **Rev Latinoam Microbiol** 1982 Apr–Jun;24(2):125–32 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Energy-dependent lectin-induced agglutination in Trypanosoma (Schizotrypanum) Cruzi epimastigotes. Vivas J, et al. **Acta Cient Venez** 1982;33(5):396–401

Immunogenicity of Trypanosoma cruzi in different animal species. Rubiolo ER. **Acta Physiol Lat Am** 1981; 31(3):199–206

Surface antigens of stocks and clones of Trypanosoma cruzi isolated from humans. Zingales B, et al. **Acta Trop (Basel)** 1984 Mar;41(1):5–16

Use of antigen preparations of the amastigote stage of Trypanosoma cruzi in the serology of Chagas' disease. Araujo FG, et al. **Am J Trop Med Hyg** 1984 May; 33(3):362–71

Susceptibility of insect-borne, metacyclic forms of Trypanosoma cruzi to antibody-mediated mechanisms of destruction. Kierszenbaum F, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1236–41

Different monoclonal antibodies against the component 5 specific for Trypanosoma cruzi. Orozco O, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):560–8

Studies on the surface component of Trypanosoma cruzi amastigotes: determination of the specific antigen and characterization by enzyme treatment and electronmicroscopy. Kanbara H, et al. **Biken J** 1983 Mar; 26(1):49–55

Chemical structure and antigenic aspects of complexes obtained from epimastigotes of Trypanosoma cruzi. Mendonça-Previato L, et al. **Biochemistry** 1983 Oct 11; 22(21):4980–7

Antibody-dependent cytotoxicity of human and mouse mononuclear cells against Trypanosoma cruzi epimastigotes. Cardoni RL, et al. **Cell Immunol** 1984 Jul; 86(2):518–24

A monoclonal antibody with specificity for Trypanosoma cruzi, central and peripheral neurones and glia. Snary D, et al. **Clin Exp Immunol** 1983 Dec;54(3):617–24

Activation of mononuclear phagocytes for the destruction of intracellular parasites: studies with Trypanosoma cruzi. Nogueira N, et al. **Contemp Top Immunobiol** 1984;13:117–26

Antigenic polymorphism of Trypanosoma cruzi: clonal analysis of trypomastigote surface antigens. Plata F, et al. **Eur J Immunol** 1984 May;14(5):392–9

Isotype of antibodies responsible for immune lysis in Trypanosoma cruzi infected mice. Stefani MM, et al. **Immunol Lett** 1983;7(2):91–7

Adjuvant requirements for protective immunization of mice using a Trypanosoma cruzi 90K cell surface glycoprotein. Scott MT, et al. **Int Arch Allergy Appl Immunol** 1984; 74(4):373–7

Killing of circulating forms of Trypanosoma cruzi by lymphoid cells from acutely and chronically infected mice. Kierszenbaum F, et al. **Int J Parasitol** 1983 Aug; 13(4):377–81

Suppression of mouse lymphocyte responses to mitogens in vitro by Trypanosoma cruzi. Maleckar JR, et al. **Int J Parasitol** 1984 Feb;14(1):45–52

Quantitative differences in the expression of a 72,000 molecular weight cell surface glycoprotein (GP72) in Trypanosoma cruzi zymodemes. Chapman MD, et al. **J Immunol** 1984 Jun;132(6):3149–53

Restoration of in vitro immune responses of spleen cells from mice infected with Trypanosoma cruzi by supernatants containing interleukin 2. Tarleton RL, et al. **J Immunol** 1984 Sep;133(3):1570–5

Anti-Trypanosoma cruzi antibodies among domestic dogs in New Orleans. Vakalis N, et al. **J La State Med Soc** 1983 Aug;135(8):14–5

Antigens of Trypanosoma cruzi: evidence that the 90-kd protective glycoprotein antigen is expressed in blood-form trypomastigotes and may not be functional in dead epimastigotes. Araujo FG, et al. **J Parasitol** 1984 Feb; 70(1):185–7

Antibodies to Trypanosoma cruzi in coyotes in texas. Grögl M, et al. **J Parasitol** 1984 Feb;70(1):189–91

Lysis of vector-transmissible, metacyclic forms of Trypanosoma cruzi by avian serum. Lima MF, et al. **J Parasitol** 1984 Feb;70(1):155–6

Antigenic differentiation of the kinetoplastids Leishmania braziliensis and Trypanosoma cruzi by means of monoclonal antibodies. Constantine NT, et al. **J Protozool** 1983 May;30(2):346–50

Cross-reactivity of vector-borne metacyclic forms of Trypanosoma cruzi with mammalian and culture stages. Villalta F, et al. **J Protozool** 1983 May;30(2):329–31

Variations in expression of markers by populations of adherent cells from Trypanosoma cruzi-infected mice. Wirth JJ, et al. **J Protozool** 1984 Feb;31(1):147–51

Purified Trypanosoma cruzi specific glycoprotein for discriminative serological diagnosis of South American trypanosomiasis (Chagas' disease). Schechter M, et al. **Lancet** 1983 Oct 22;2(8356):939–41

Strains and clones of Trypanosoma cruzi differ in their expression of a surface antigen identified by a monoclonal antibody. Kirchhoff LV, et al. **Mol Biochem Parasitol** 1984 Apr;11:81–9

Characterization of Trypanosoma cruzi metacyclic forms differentiated from epimastigotes. A comparative study between both stages. Katzin VJ, et al. **Rev Inst Med Trop Sao Paulo** 1983 Mar–Apr;25(2):55–61

Trypanosoma cruzi: surface antigenic determinants. Tamashiro WM, et al. **Z Parasitenkd** 1983;69(4):425–34

Intraspecific characterization of T. cruzi stocks by the lectins from Triticum vulgaris and Arachis hypogaea. Schottelius J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):342–6

[Use, in polytransfusions, of the research on anti-Trypanosoma cruzi and anti-Toxoplasma gondii IgM antibodies to detect recent postransfusion infections] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):83–6 (Eng. Abstr.) **(Por)**

[Serological studies in patients with chronic Chagas' disease] Carbonetto CH, et al. **Medicina (B Aires)** 1983;43(2):131–6 (Eng. Abstr.) **(Spa)**

[Possible use of tissue amastigotes of T. cruzi for serological immunofluorescence tests (letter)] Cossio PM, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):737–8 **(Spa)**

[Cytotoxic activity of the leukocytes of chronic Chagas' disease patients against Trypanosoma cruzi] Olabuenaga SE, et al. **Medicina (B Aires)** 1983;43(2):168–74 (Eng. Abstr.) **(Spa)**

[Immunoprotection in rats by cultured epimastigotes of Trypanosoma cruzi] Rodríguez AM, et al. **Medicina (B Aires)** 1983;43(4):383–90 (Eng. Abstr.) **(Spa)**

[Use of mixed antigen in the diagnosis of Chagas disease and toxoplasmosis in the indirect immunofluorescence test] de Sánchez N, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep; 25(3):163–5 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Primary isolation of Trypanosoma cruzi by hemoculture: influence of glucose concentration. Albesa I, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):963–7

Improved method for separation on CM-cellulose of the trypomastigote form of Trypanosoma cruzi from forms grown in fibroblast cell cultures. Kanbara H, et al. **Biken J** 1983 Mar;26(1):63–5

Trypanosoma cruzi infections in blood banks of 12 Chilean hospitals. Lorca M, et al. **Bull Pan Am Health Organ** 1983; 17(3):269–74

Trypanosoma cruzi (Chagas) (protozoa: Kinetoplastida: Trypanosomatidae) in invertebrate and vertebrate hosts from Brewster County in Trans-Pecos Texas. Ikenga JO, et al. **J Econ Entomol** 1984 Feb;77(1):126–9

Trypanosoma cruzi: inoculation schedules and re-isolation methods select individual strains from doubly infected mice, as demonstrated by schizodeme and zymodeme analyses. Deane MP, et al. **J Protozool** 1984 May; 31(2):276–80

A simple method to purify biologically and antigenically preserved bloodstream trypomastigotes of Trypanosoma cruzi using DEAE-cellulose columns. de Sousa MA. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep;78(3):317–33

Trypanosoma cruzi: separation of broad and slender trypomastigotes using a continuous hypaque gradient. Schmatz DM, et al. **Parasitology** 1983 Oct;87 (Pt 2):219–27

Purification of metacyclic forms of Trypanosoma cruzi by Percoll discontinuous gradient centrifugation. Castanys S, et al. **Z Parasitenkd** 1984;70(4):443–9

Separation of amastigotes and trypomastigotes of Trypanosoma cruzi from cultured cells. de Carvalho TU, et al. **Z Parasitenkd** 1983;69(5):571–5

Anion-exchange separation for neotropical trypanosomes: a preliminary trial and a description of Trypanosoma devei from the tamarin Saguinus midas niger. Lanham SM, et al. **Z Parasitenkd** 1984;70(3):311–9

[Inflammation associated with cardiac muscle cells parasitized by Trypanosoma cruzi, in chronic Chagas' disease patients] Almeida HO, et al. **Arq Bras Cardiol** 1984 Mar;42(3):183–6 (Eng. Abstr.) **(Por)**

[Experimental infection of the monkey Cebus apella sp. by Trypanosoma cruzi. II. Re-isolation of strains and study of their characteristics in albino mice] Rassy MR, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec;25(6):275–82 (Eng. Abstr.) **(Por)**

METABOLISM

Protein synthesis in purified trypo- and epimastigote forms of Trypanosoma cruzi. Astolfi Filho S, et al. **Acta Trop (Basel)** 1984 Jun;41(2):109–15

The aerobic metabolism of metronidazole by Trypanosoma cruzi epimastigotes. Agosin M. **Comp Biochem Physiol [C]** 1983;75(2):311–5

Mapping of surface glycoproteins of Trypanosoma cruzi by two-dimensional electrophoresis. A correlation with the cell invasion capacity. Andrews NW, et al. **Eur J Biochem** 1984 May 2;140(3):599–604

Free aminoacid pool and proteolytic enzymes in Trypanosoma cruzi cultured in vitro. O'Daly JA, et al. **Int J Parasitol** 1983 Oct;13(5):433–40

Pyrazolopyrimidine metabolism in Leishmania and trypanosomes: significant differences between host and parasite. Marr JJ. **J Cell Biochem** 1983;22(3):187–96

Differences in allopurinol and 4-aminopyrazolo(3,4-d) pyrimidine metabolism in drug-sensitive and insensitive strains of Trypanosoma cruzi. Avila JL, et al. **Mol Biochem Parasitol** 1984 Apr;11:51–60

Glycosomal and mitochondrial malate dehydrogenases in epimastigotes of Trypanosoma cruzi. Cannata JJ, et al. **Mol Biochem Parasitol** 1984 Apr;11:37–49

Optimization of a protein synthesizing lysate system from Trypanosoma cruzi. Grossi de Sá MF, et al. **Mol Biochem Parasitol** 1984 Mar;10(3):347–54

Major surface proteins and antigens on the different in vivo and in vitro forms of Trypanosoma cruzi. Lanar DE, et al. **Mol Biochem Parasitol** 1984 Apr;11:119–31

Regulation of energy metabolism in Trypanosoma (Schizotrypanum) cruzi epimastigotes. II. NAD+-dependent glutamate dehydrogenase. Urbina JA, et al. **Mol Biochem Parasitol** 1984 Apr;11:241–55

Regulation of energy metabolism in Trypanosoma (Schizotrypanum) cruzi epimastigotes. I. Hexokinase and phosphofructokinase. Urbina JA, et al. **Mol Biochem Parasitol** 1984 Apr;11:225–39

PARASITOLOGY

Beta-interferon inhibits cell infection by Trypanosoma cruzi. Kierszenbaum F, et al. **J Immunol** 1984 Feb;132(2):905–8

PATHOGENICITY

Trypanosoma cruzi: attenuation of virulence by culture in tissues. Urdaneta-Morales S. **Ann Parasitol Hum Comp** 1983;58(4):317–24

Role of cell surface mannose residues in host cell invasion by Trypanosoma cruzi. Villalta F, et al. **Biochim Biophys Acta** 1983 Dec 7;736(1):39–44

Role of the H-2s haplotype in survival of mice after infection with Trypanosoma cruzi. Wrightsman RA, et al. **Infect Immun** 1984 May;44(2):351–4

Some factors affecting the in vitro invasion of HeLa cells by Trypanosoma cruzi. Osuna A, et al. **Int J Parasitol** 1984 Jun;14(3):253–7

Trypanosoma cruzi variants with reduced virulence obtained by mutagenesis. Marchand M, et al. **Parasite Immunol** 1984 May;6(3):251–64

Identification of trypanosomes isolated from reduviidae from north Chile. Schaub GA, et al. **Z Parasitenkd** 1984; 70(1):3–9

[Experimental study of Zygodontomys lasiurus (Rodentia–Cricetidae) with strains of Trypanosoma cruzi] Borges MM, et al. **Rev Saude Publica** 1983 Oct;17(5):387–93 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Effect of carbohydrates, periodate and enzymes in the process of endocytosis of Trypanosoma cruzi by macrophages. de Araújo Jorge TC, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):17–28

Studies of Trypanosoma cruzi clones in inbred mice. II. Course of infection of C57BL/6 mice with single-cell-isolated stocks. Postan M, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):236–8

Comparative studies on trypomastigotes of Trypanosoma cruzi from infected mouse blood and infected fibroblast cell (L-cell) culture. Kanbara H, et al. **Biken J** 1983 Mar; 26(1):57–62

Host cell invasion by Trypanosoma cruzi: role of cell surface galactose residues. Villalta F, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):228–35

Trypanosoma cruzi: intracellular host-parasite relationship in murine infection. Grimaud JA, et al. **Cell Mol Biol** 1984; 30(1):59–65

Host and parasite factors affecting the invasion of mononuclear phagocytes by Trypanosoma cruzi. Nogueira N. **Ciba Found Symp** 1983;99:52–73

Trypanosoma cruzi–fibroblastic cell interactions necessary for cellular invasion. Piras R, et al. **Ciba Found Symp** 1983; 99:31–51 (28 ref.)

Trypanosoma cruzi: fusogenic ability of membranes from cultured epimastigotes in interaction with human syncytiotrophoblast. Calderon RO, et al. **Exp Parasitol** 1983 Oct;56(2):169–79

Trypanosoma cruzi: parasite-induced release of lysosomal enzymes by human polymorphonuclear leukocytes. de Titto EH, et al. **Exp Parasitol** 1983 Oct;56(2):247–54

Cell biology of Trypanosoma cruzi. de Souza W. **Int Rev Cytol** 1984;86:197–283 (381 ref.)

Participation of concanavalin A binding sites in the interaction between Trypanosoma cruzi and macrophages. Meirelles MN, et al. **J Cell Sci** 1983 Jul;62:287–99

Fibronectin enhances macrophage association with invasive forms of Trypanosoma cruzi. Wirth JJ, et al. **J Immunol** 1984 Jul;133(1):460–4

Trypanosoma cruzi: differences in cell surface interaction of circulating (trypomastigote) and culture (epimastigote) forms with macrophages. Zenian A, et al. **J Parasitol** 1983 Aug;69(4):660–5

Participation of cell surface anionic sites in the interaction between Trypanosoma cruzi and macrophages. Meirelles MN, et al. **J Submicrosc Cytol** 1984 Jul;16(3):533–45

Interaction of lysosomes with endocytic vacuoles in macrophages simultaneously infected with Trypanosoma cruzi and Toxoplasma gondii. Meirelles MN, et al. **J Submicrosc Cytol** 1983 Oct;15(4):889–96

Fibronectin receptors on Trypanosoma cruzi trypomastigotes and their biological function. Ouaissi MA, et al. **Nature** 1984 Mar 22–28;308(5957):380–2

Triatomine vectors of Trypanosoma cruzi–like trypanosomes in urban areas of São Luiz, Maranhão, Brazil [letter] Brazil RP, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):568

ULTRASTRUCTURE

Trypanosoma cruzi and macrophages: fine structure study by the direct replica technique. Milder R, et al. **Anat Anz** 1983;154(2):145–8

High voltage electron microscopy of critical point dried trypanosomatids. De Souza W, et al. **J Submicrosc Cytol** 1984 Apr;16(2):237–42

Ultrastructural modifications during the metabolism of metronidazole by Trypanosoma cruzi. Paulin JJ, et al. **J Submicrosc Cytol** 1983 Oct;15(4):951–64

Pleomorphism in trypomastigotes of Trypanosoma cruzi from blood and cell culture. Urdaneta-Morales S. **Tropenmed Parasitol** 1983 Dec;34(4):225–8

Scanning electron microscopic studies of Trypanosoma cruzi in the rectum of its vector Triatoma infestans. Böker CA, et al. **Z Parasitenkd** 1984;70(4):459–69

TRYPANOSOMA GAMBIENSE see **TRYPANOSOMA BRUCEI GAMBIENSE**

TRYPANOSOMA LEWISI

GROWTH & DEVELOPMENT

Polyamine oxidase-mediated trypanosome killing: the role of hydrogen peroxide and aldehydes. Ferrante A, et al. **J Immunol** 1984 Oct;133(4):2157–62

IMMUNOLOGY

Isolation of protective antigens from Trypanosoma lewisi by using trypanostatic (ablastic) immunoglobulin G from the surface coat. Giannini SH, et al. **Infect Immun** 1984 Feb; 43(2):617–21

Externally disposed membrane polypeptides of intact and protease-treated Trypanosoma lewisi correlated with sensitivity to alternate complement pathway-mediated lysis. Sturtevant JE, et al. **Infect Immun** 1983 Dec; 42(3):869–75

ULTRASTRUCTURE

The glycoproteins of the complex surface coat of Trypanosoma lewisi. Battaglia PA, et al. **Cell Biol Int Rep** 1983 Sep;7(9):755–62

TRYPANOSOMIASIS

BLOOD

Trypanosoma lewisi: pyruvate and transketolase activity in normal and thiamine deficient rats. Lee CM, et al. **Int J Biochem** 1984;16(6):699–702

Platelet activity in immune lysis of Trypanosoma musculi. Viens P, et al. **Int J Parasitol** 1983 Dec;13(6):527–30

COMPLICATIONS

Trypanosoma musculi and Trichinella spiralis: concomitant infections and selection for resistance genotypes in mice. Bell RG, et al. **Exp Parasitol** 1984 Aug;58(1):19–26

Trypanosoma musculi with Trichinella spiralis or Heligmosomoides polygyrus: concomitant infections in the mouse. Bell RG, et al. **Exp Parasitol** 1984 Aug;58(1):8–18

DIAGNOSIS

Micro-counterimmunoelectrophoresis: a rapid screening technique for trypanosomiasis. Taylor AE, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):481–6

DRUG THERAPY

Effects of Daunomycin and Daunomycin–protein conjugates on the ultrastructure of Trypanosoma rhodesiense. Williamson J, et al. **Cell Biol Int Rep** 1983 Dec; 7(12):997–1005

Response of the rat's hepatic drug-metabolizing enzyme system to chemotherapy of Trypanosoma b. brucei infections with Berenil and Suramin. Emerole GO, et al. **Enzyme** 1984;31(3):129–36

Ketoconazole and other potent antimycotic azoles exhibit pronounced activity against Trypanosoma cruzi, Plasmodium berghei and Entamoeba histolytica in vivo. Raether W, et al. **Z Parasitenkd** 1984;70(1):135–8

ETIOLOGY

[Role of immune complexes in parasitic diseases] Dzbeński TH. **Wiad Parazytol** 1984;30(1):87–99 (43 ref.) (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Trypanosoma rhodesiense: analysis of the genetic control of resistance among mice. Greenblatt HC, et al. **Infect Immun** 1984 Apr;44(1):107–11

IMMUNOLOGY

Effects of cortisone, whole body irradiation and splenectomy on the course of 'Trypanosoma evansi' infection in rats. Juyal PD, et al. **Ann Sclavo** 1982 Sep–Oct;24(5):523–7

Trypanosoma rhodesiense infection in mice: sex dependence of resistance. Greenblatt HC, et al. **Infect Immun** 1984 Jan; 43(1):337–40

Trypanosomiasis in mice with naturally occurring immunodeficiencies. Jones JF, et al. **Infect Immun** 1983 Nov;42(2):848–51

Trypanosoma musculi infection in B-cell-deficient mice. Vargas FD, et al. **Infect Immun** 1984 Apr;44(1):162–7

Immunosuppression in mouse trypanosomiasis: inhibition of secondary antibody responses is dependent on the time of antigen priming. Brooks BO, et al. **J Parasitol** 1983 Oct; 69(5):823–7

Anemia and thrombocytopenia from Corynebacterium parvum-stimulated resistance against malaria, trypanosomiasis, and babesiosis. Cox HW, et al. **J Parasitol** 1983 Aug;69(4):654–9

Kinetics of immunoglobulin and specific antibody responses of CBA mice infected with Trypanosoma rhodesiense. Finerty JF, et al. **Parasite Immunol** 1984 Jan;6(1):13–22

No-effect of a static uniform magnetic field on mouse trypanosomiasis. Bellossi A. **Radiat Environ Biophys** 1983; 22(4):311–3

PARASITOLOGY

Suramin sensitivity of stocks of Trypanosoma evansi isolated in the Sudan. Abebe G, et al. **Trop Anim Health Prod** 1983 Aug;15(3):151–2

PREVENTION & CONTROL

Adjuvant requirements for protective immunization of mice using a Trypanosoma cruzi 90K cell surface glycoprotein. Scott MT, et al. **Int Arch Allergy Appl Immunol** 1984; 74(4):373–7

THERAPY

Cure of Trypanosoma musculi infection by heat-labile activity in immune plasma. Wechsler DS, et al. **Infect Immun** 1984 Jun;44(3):756–9

VETERINARY

The course of fatal Trypanosoma simiae infection in domestic sheep. Joshua RA, et al. **Acta Trop (Basel)** 1984 Mar; 41(1):91–2

Incidence and some ecological aspects of avian trypanosomes in Czechoslovakia. Kučera J. **Folia Parasitol (Praha)** 1983; 30(3):209–22

The morphology of ovine Trypanosoma melophagium (zoomastigophorea: kinetoplastida). Büscher G, et al. **J Protozool** 1984 Feb;31(1):98–101

Morphological and developmental studies of the snake trypanosome Trypanosoma hydrae Ayala, Atkinson, Vakalis, 1983 in experimentally infected hosts and in culture. Chia NM, et al. **J Protozool** 1984 May;31(2):352–6

Amyloidosis in rabbits infected with Trypanosoma evansi. Umeda M, et al. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):251–5

Studies on the pathology of an avian trypanosome (T. bouffardi) infection in experimentally infected canaries. Molyneux DH, et al. **Parasitology** 1983 Aug;87 (Pt 1):49–54

Studies on trypanosomes in the Taiwan monkey. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):536–42

Furazolidone efficacy against T evansi infection [letter] Ali BH, et al. **Vet Rec** 1983 Nov 5;113(19):454

Improved field diagnostic technique for trypanosomiasis by use of a minicentrifuge. Kelley S, et al. **Vet Rec** 1983 Sep 3;113(10):219

Trypanosomes in Cervidae in Germany. Friedhoff KT, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):286–7

TRYPANOSOMIASIS, AFRICAN

BLOOD

Tropical medicine: recent advances in malaria and other protozoal diseases. Luzzatto L. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1438–9 (4 ref.)

COMPLICATIONS

[Erythrocytemia and splenomegaly in an experimental Trypanosoma brucei gambiense infection in the mouse] Mulumba PM, et al. **Ann Parasitol Hum Comp** 1984; 59(2):115–32 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

African trypanosomiasis in an American hunter in East Africa. Quinn TC, et al. **Arch Intern Med** 1983 May; 143(5):1021–3

[Antigenic variation of Trypanosoma brucei with reference to the serodiagnosis of sleeping sickness] Vervoort T, et al. **Verh K Acad Geneeskd Belg** 1983;45(4):329–53 (Eng. Abstr.) **(Dut)**

DRUG THERAPY

Capacity of a cis-diammineplatinum[II]-polyglutamic acid complex to cure Trypanosoma congolense infections in mice. Meshnick SR, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):286–8

Chemotherapeutic implications of polyamine biosynthesis inhibition. Sjoerdsma A, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):287–300 (41 ref.)

Role of antibody in the elimination of trypanosomes after DL-alpha-difluoromethylornithine chemotherapy. de Gee AL, et al. **J Parasitol** 1983 Oct;69(5):818–22

Treatment with suramin and 2-substituted 5-nitroimidazoles of chronic murine Trypanosoma brucei infections with central nervous system involvement. Jennings FW, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):693–8

The use of the 2 substituted 5-nitroimidazole, Fexinidazole (Hoe 239) in the treatment of chronic T. brucei infections in mice. Jennings FW, et al. **Z Parasitenkd** 1983; 69(5):577–81

[Clinical trial of nifurtimox in human African trypanosomiasis] Moens F, et al. **Ann Soc Belg Med Trop** 1984 Mar;64(1):37–43 (Eng. Abstr.) **(Fre)**

[Treatment of human African trypanosomiasis] Dumas M, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):622–7 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Pathogenesis of Trypanosoma brucei infection in deer mice (Peromyscus maniculatus). V. Macrophage ultrastructure and function. Anosa VO, et al. **Vet Pathol** 1983 Sep; 20(5):617–31

FAMILIAL & GENETIC

Genetics of resistance to the African trypanosomes. III. Variant-specific antibody responses of H-2-compatible resistant and susceptible mice. Levine RF, et al. **J Immunol** 1984 Sep;133(3):1564–9

IMMUNOLOGY

Relevance of autoantigens to autoimmunity in African trypanosomiasis: study of DNA and thyroglobulin antibodies. Daniel-Ribeiro C, et al. **Acta Trop (Basel)** 1983 Dec;40(4):321–9

Infection, immunity and the development of local skin reactions in rabbits infected with cyclically-transmitted stocks of Trypanosoma congolense. Luckins AG, et al. **Ann Trop Med Parasitol** 1983 Dec;77(6):569–82

Genetics of resistance to the African trypanosomes. IV. Resistance of radiation chimeras to Trypanosoma rhodesiense infection. DeGee AL, et al. **Cell Immunol** 1984 Aug;87(1):85–91

Induction of T cell activity in athymic (nu/nu) mice infected with Trypanosoma rhodesiense. Langhorne J, et al. **Cell Immunol** 1983 Oct 1;81(1):180–6

Lymphocyte function in experimental African trypanosomiasis. VII. Loss of antigen-nonspecific suppressor-T-cell activity. Sizemore RC, et al. **Cell Immunol** 1984 Sep;87(2):684–91

Immunobiology of African trypanosomiasis. Roelants GE, et al. **Contemp Top Immunobiol** 1984;12:225–74 (263 ref.)

Trypanosoma congolense: genetic control of resistance to infection in mice. Pinder M. **Exp Parasitol** 1984 Apr; 57(2):185–94

Induction of anti-intermediate filament antibody in rabbits experimentally infected with Trypanosoma brucei brucei. Mortazavi-Milani SM, et al. **Immunology** 1984 Jul; 52(3):423–6

Trypanosome antigen-antibody complexes and immunoconglutinin interactions in African trypanosomiasis. Rickman WJ, et al. **Int J Parasitol** 1983 Aug;13(4):389–92

Trypanosomal surface coat variant antigen causes polyclonal lymphocyte activation. Diffley P. **J Immunol** 1983 Oct; 131(4):1983–6

Genetic resistance to African Trypanosomiasis. Murray M, et al. **J Infect Dis** 1984 Mar;149(3):311–9 (38 ref.)

Immunoconglutinin and suppression of an induced immune response by plasma from rats infected with Trypanosoma brucei rhodesiense. Cox HW, et al. **J Parasitol** 1984 Feb; 70(1):57–62

Regulation of the growth and differentiation of Trypanosoma (Trypanozoon) brucei brucei in resistant (C57Bl/6) and susceptible (C3H/He) mice. Black SJ, et al. **Parasite Immunol** 1983 Sep;5(5):465–78

Interference with anti-trypanosome immune responses in rabbits infected with cyclically-transmitted Trypanosoma congolense. Luckins AG, et al. **Parasite Immunol** 1983 Nov; 5(6):547–56

Immune mechanisms in C57B1 mice genetically resistant to Trypanosoma congolense infection. II. Aspects of the humoral response. MacAskill JA, et al. **Parasite Immunol** 1983 Nov;5(6):577–86

Depression of serum and pulmonary neutralizing antibodies to influenza virus in Trypanosoma brucei-infected mice [letter] Oyejide A, et al. **Trans R Soc Trop Med Hyg** 1984; 78(1):136–7

[Sero-immunologic diagnosis of human African trypanosomiasis: cross reactions of various parasitoses and hyperglobulinemias] Poupin F, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug-Oct;76(4):393–405 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Sleeping sickness in the Luangwa Valley of Zambia. A preliminary report of the 1982 outbreak at Kasyasya village. Dukes P, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov; 76(5):605–13

The distribution of tsetse flies and the disease they transmit to humans in Zimbabwe. Lovemore DF. **Cent Afr J Med** 1983 Aug;29(8):155–7

The tsetse fly Glossina fuscipes in the sleeping sickness epidemic area of Busoga, Uganda. Katabazi BK. **East Afr Med J** 1983 Jun;60(6):397–401

Trypanosomiasis in Gambela, western Ethiopia. Mekasha G. **Ethiop Med J** 1983 Oct;21(4):223–5

Sleeping sickness in Kenya Maasailand. Sindiga I. **Soc Sci Med** 1984;18(2):183–7

PARASITOLOGY

Experimental Trypanosoma (Nannomonas) congolense infection in Microtus montanus. Bafort JM, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):355–61

Antigenic variation during the developmental cycle of Trypanosoma brucei. Hajduk SL. **J Protozool** 1984 Feb; 31(1):41–7 (46 ref.)

The surface of the African trypanosomes. Richards FF. **J Protozool** 1984 Feb;31(1):60–4 (46 ref.)

The ecology of antigenic variation. Seed JR, et al. **J Protozool** 1984 Feb;31(1):48–53

Distinction of African trypanosome species using nucleic acid hybridization. Massamba NN, et al. **Parasitology** 1984 Feb; 88 (Pt 1):55–65

Behaviour of a Trypanosoma brucei brucei stock (STIB 348C) in mice. 4. Different course of primary parasitemia in trypanosome variants of different virulence. Büngener W. **Tropenmed Parasitol** 1984 Jun;35(2):115–8

The use of 75-seleno-methionine labelled Trypanosoma brucei to measure parasite replication in vivo. MacAskill JA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):197–200

Identity of Trypanozoon stocks isolated from man and a domestic dog in Liberia. Zillmann U, et al. **Tropenmed Parasitol** 1984 Jun;35(2):105–8

Effects of bleomycin on kinetoplast DNA and nuclear DNA in Trypanosoma gambiense using in situ microfluorometry technique. Inoki S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):300–4

PATHOLOGY

Experimental chronic Trypanosoma brucei rhodesiense infection in Microtus montanus. Bafort JM, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):968–75

Histopathological findings in mini-pigs infected with different strains of Trypanosoma brucei. Büngener W, et al. **Tropenmed Parasitol** 1984 Jun;35(2):109–14

[Behavior of a Trypanosoma brucei strain (STIB 348C) in mice. 3. Histopathological findings in the terminal stage of infection] Büngener W. **Tropenmed Parasitol** 1983 Dec; 34(4):213–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Selective primary health care: strategies for control of disease in the developing world. VIII. African trypanosomiasis. Molyneux DH. **Rev Infect Dis** 1983 Sep-Oct;5(5):945–56

TRANSMISSION

A quantification of the risk of trypanosomiasis infection to cattle on the south Kenya coast. Snow WF, et al. **Acta Trop (Basel)** 1983 Dec;40(4):331–40

Trypanosoma brucei rhodesiense: mechanical transmission by tsetse, Glossina morsitans (Diptera: Glossinidae), in the laboratory. Gingrich JB, et al. **J Med Entomol** 1983 Nov 30;20(6):673–6

The sheep as a potential reservoir of human trypanosomiasis in the Republic of the Congo. Scott CM, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):397–401

A 'healthy carrier' of Trypanosoma rhodesiense: a case report. Wurapa FK, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):349–50

URINE

Increased urinary excretion of aromatic amino acid catabolites by Microtus montanus chronically infected with Trypanosoma brucei gambiense. Hall JE, et al. **Comp Biochem Physiol [B]** 1984;77(4):755–60

VETERINARY

The experimental use of 'sentinel' goats to monitor trypanosomiasis in a Zambian sleeping sickness focus. Part I. The isolation of Trypanosoma brucei rhodesiense-like organisms from a 'sentinel' domestic goat. Rickman LR, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):427–9

The experimental use of 'sentinel' goats to monitor trypanosomiasis in a Zambian sleeping sickness focus. Part II. The short duration and spontaneous remission of a Trypanosoma brucei rhodesiense-like infection in a naturally infected 'sentinel' goat. Rickman LR, et al. **Ann Trop Med Parasitol** 1984 Aug;78(4):429–30

The incidence of trypanosome infection in red Sokoto goats at slaughter. Joshua RA, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):35–9

Cardiac lymph drainage in experimental African trypanosomiasis in vervet monkeys. Poltera AA, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):614–21

Trypanotolerant cattle in West and Central Africa. Chabeuf N. **J S Afr Vet Assoc** 1983 Sep;54(3):165–70

Parasite development and host responses during the establishment of Trypanosoma brucei infection transmitted by tsetse fly. Barry JD, et al. **Parasitology** 1984 Feb;88 (Pt 1):67–84

Tsetse and trypanosomiasis survey of Southern Darfur Province, Sudan. I. Bovine trypanosomiasis. Hall MJ, et al. **Trop Anim Health Prod** 1983 Nov;15(4):191–206

Some economic effects of trypanosomiasis in goats. Kanyari PW, et al. **Trop Anim Health Prod** 1983 Aug;15(3):153–60

Maintaining zebu Maure cattle in a tsetse infested area of Mali. Logan LL, et al. **Trop Anim Health Prod** 1984 Feb; 16(1):1–12

Persistence of Berenil in cattle. Wellde BT, et al. **Trop Anim Health Prod** 1983 Aug;15(3):149–50

Isolation of human serum resistant Trypanozoon from cattle in Nigeria. Joshua RA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):201–2

The effect of Trypanosoma brucei infection on local and systemic antibody responses of rats to Nippostrongylus brasiliensis. Wedrychowicz H, et al. **Tropenmed Parasitol** 1983 Dec;34(4):207–12

A simple classification of different types of trypanosomiasis occurring in four camel herds in selected areas of Kenya. Wilson AJ, et al. **Tropenmed Parasitol** 1983 Dec;34(4):220–4

Massive increase in splenic germinal centres of chickens experimentally-infected with Trypanosoma brucei brucei. Joshua RA. **Vet Parasitol** 1983 Sep;13(2):101–8

Effect of trypanocides on jugular concentration of Trypanosoma congolense in the West African dwarf sheep. Kalu AU. **Vet Parasitol** 1983 Nov;13(4):299–309

Pathogenesis of Trypanosoma brucei infection in deer mice (Peromyscus maniculatus). Ultrastructural pathology of the spleen, liver, heart, and kidney. Anosa VO, et al. **Vet Pathol** 1984 Mar;21(2):229–37

Pathogenesis of Trypanosoma brucei infection in deer mice (Peromyscus maniculatus). Light and electron microscopic study of testicular lesions. Anosa VO, et al. **Vet Pathol** 1984 Mar;21(2):238–46

Improved field diagnostic technique for trypanosomiasis by use of a minicentrifuge. Kelley S, et al. **Vet Rec** 1983 Sep 3;113(10):219

The effect of isometamidium chloride on Trypanosoma vivax occurring within the insect vector (Glossina). Agu WE. **Z Parasitenkd** 1984;70(4):431–5

Diseases produced by Trypanosoma vivax in ruminants, horses and rodents. Anosa VO. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):717–41 (164 ref.)

Pathology of experimental Trypanosoma vivax infection in sheep and goats. Anosa VO, et al. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):685–700

The role of the spleen in Trypanosoma brucei brucei infection in dogs. Kaggwa E, et al. **Zentralbl Veterinarmed [B]** 1984 Jul;31(6):470–9

TRYPANOSOMIASIS, BOVINE

DIAGNOSIS

Improved field diagnostic technique for trypanosomiasis by use of a minicentrifuge. Kelley S, et al. **Vet Rec** 1983 Sep 3;113(10):219

DRUG THERAPY

Observation on drug resistance of Trypanosoma (Nannomonas) congolense and Trypanosoma (Duttonella) vivax in cattle at a feedlot in the Northern Ivory Coast. Küpper W, et al. **Tropenmed Parasitol** 1983 Sep;34(3):203–5

IMMUNOLOGY

Anti-trypanosome specific immune responses in bovids of differing susceptibility to African trypanosomiasis. Pinder M, et al. **Immunology** 1984 Feb;51(2):247–58

Genetic resistance to African Trypanosomiasis. Murray M, et al. **J Infect Dis** 1984 Mar;149(3):311–9 (38 ref.)

Specific antibody responses to the variable surface glycoproteins of Trypanosoma congolense in infected cattle. Masake RA, et al. **Parasite Immunol** 1983 Jul; 5(4):345–55

OCCURRENCE

Tsetse and trypanosomiasis survey of Southern Darfur Province, Sudan. I. Bovine trypanosomiasis. Hall MJ, et al. **Trop Anim Health Prod** 1983 Nov;15(4):191–206

[Trypanosome infection of herds of village cattle in the north of Ivory Coast] Poivey JP, et al. **Rev Elev Med Vet Pays Trop** 1983;36(1):45–53 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Maintaining zebu Maure cattle in a tsetse infested area of Mali. Logan LL, et al. **Trop Anim Health Prod** 1984 Feb; 16(1):1–12

Persistence of Berenil in cattle. Wellde BT, et al. **Trop Anim Health Prod** 1983 Aug;15(3):149–50

Effect of isometamidium on infections by Trypanosoma vivax and T. evansi in experimentally-infected animals. Toro M, et al. **Vet Parasitol** 1983 Aug;13(1):35–43

The effect of isometamidium chloride on Trypanosoma vivax occurring within the insect vector (Glossina). Agu WE. **Z Parasitenkd** 1984;70(4):431–5

[Use of cartography within the scope of the study of glossina infestation in the north of Ivory Coast] Lamarque G, et al. **Rev Elev Med Vet Pays Trop** 1983;36(1):55–60 (Eng. Abstr.) **(Fre)**

TRANSMISSION

A quantification of the risk of trypanosomiasis infection to cattle on the south Kenya coast. Snow WF, et al. **Acta Trop (Basel)** 1983 Dec;40(4):331–40

TRYPANOSOMIASIS, CARDIOVASCULAR see CHAGAS CARDIOMYOPATHY

TRYPANOSOMIASIS, SOUTH AMERICAN

Chronic infection in mice with Trypanosoma cruzi. Bijovsky AT, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep-Oct; 25(5):207–14

[Chagas' American trypanosomiasis] Carrada-Bravo T.

Bol Med Hosp Infant Mex 1983 Aug;40(8):408–16 (30 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Fasting and food-stimulated plasma gastrin levels in chronic Chagas' disease. Troncon LE, et al. **Digestion** 1984; 29(3):171–6

COMPLICATIONS

Thal's procedure in the management of ruptured Chagas megaesophagus. Ximenes Neto M, et al. **GEN** 1982 Apr–Sep;36(2–3):142–8

Foeto–maternal morbidity in the presence of antibodies to Trypanosoma cruzi. Hernandez–Matheson IM, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):405–11

[Acute atypical polyneuropathy in chronic Chagas' disease: report of a case] Fortes–Rêgo J. **Arq Neuropsiquiatr** 1984 Mar;42(1):77–81 (Eng. Abstr.) **(Por)**

[Akinetic pseudomutism (locked–in syndrome) in accidental Chagas' disease] Minguetti G, et al. **Arq Neuropsiquiatr** 1984 Mar;42(1):59–63 (Eng. Abstr.) **(Por)**

CONGENITAL

Esophageal involvement in congenital Chagas' disease. Report of a case with megaesophagus. Bittencourt AL, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):30–3

[Congenital Chagas' disease. Report of a case with cerebral palsy] Vieira GO, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov–Dec;25(6):305–9 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Use of antigen preparations of the amastigote stage of Trypanosoma cruzi in the serology of Chagas' disease. Araujo FG, et al. **Am J Trop Med Hyg** 1984 May; 33(3):362–71

Diagnosis of Chagas' disease in humans using a biotin–3H–avidin radioimmunoassay. Tarleton RL, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):34–40

Direct micromethod for diagnosis of acute and congenital Chagas' disease. Feilij H, et al. **J Clin Microbiol** 1983 Aug; 18(2):327–30

Purified Trypanosoma cruzi specific glycoprotein for discriminative serological diagnosis of South American trypanosomiasis (Chagas' disease). Schechter M, et al. **Lancet** 1983 Oct 22;2(8356):939–41

Minichromosomal repetitive DNA in Trypanosoma cruzi: its use in a high–sensitivity parasite detection assay. Gonzalez A, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3356–60

Staphylococci adherence to trypanosomes exposed to immune sera as a method for the diagnosis of Chagas' disease. Camargo EP, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):825–8

The use of microhaematocrit tubes for the rapid diagnosis of Chagas disease and malaria [letter] La Fuente C, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):278–9

The first autochthonous case of Chagas' disease with notes on possible vectors in Guyana. Rambajan I. **Trop Geogr Med** 1984 Mar;36(1):73–6

The selection of antigens for the diagnosis, prognosis and evolutive study of parasitic diseases. Sogandares–Bernal F, et al. **Vet Parasitol** 1984 Jun;14(3–4):185–91 (18 ref.)

[Use of mixed antigen in the diagnosis of Chagas disease and toxoplasmosis in the indirect immunofluorescence test] de Sánchez N, et al. **Rev Latinoam Microbiol** 1983 Jul–Sep; 25(3):163–5 (Eng. Abstr.) **(Spa)**

[Practical observations for standardizing the indirect immunofluorescence reaction in the diagnosis of various parasitic diseases] de Sánchez N, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):55–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ketoconazole protects against infection with Trypanosoma cruzi in a murine model. McCabe RE, et al. **Am J Trop Med Hyg** 1983 Sep;32(5):960–2

Trypanosoma cruzi: efficacy of the 2–substituted, 5–nitroimidazoles, MK–436 and L634,549, in tissue culture and mice. Murray PK, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1242–50

Trypanosoma cruzi: 4–aminopyrazolopyrimidine in the treatment of experimental Chagas' disease. Avila JL, et al. **Exp Parasitol** 1983 Oct;56(2):236–40

Chronic Chagas' disease in the mouse. IV. Effect of trypanocidal drugs. Laguens RP, et al. **Medicina (B Aires)** 1983;43(2):126–30

[Use of thioctic acid for prevention of the adverse effects induced by benznidazole in patients with chronic Chagas' infection] Carpintero DJ. **Medicina (B Aires)** 1983; 43(3):285–90 (Eng. Abstr.) **(Spa)**

[Experimental murine trypanosomiasis. Therapeutic trials. I. Effect of allopurinol] García Fernández de Lara G, et al. **Rev Latinoam Microbiol** 1982 Jul–Sep;24(3):181–4 (Eng. Abstr.) **(Spa)**

[The therapeutic effect of allopurinol on American trypanosomiasis (Chagas disease) in CFW mice] Castrillón Rivera LE, et al. **Salud Publica Mex** 1984 Mar–Apr; 26(2):146–54 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Cardiac enzyme activities in mice chronically infected with Trypanosoma cruzi. Elias PR, et al. **Cell Mol Biol** 1983; 29(5):415–20

ETIOLOGY

Customs which predispose to Chagas' disease and cysticercosis in Mexico. Salazar–Schettino PM. **Am J Trop Med Hyg** 1983 Sep;32(5):1179–80

[Acute post–transfusional Chagas' disease. Report of a case with an atypical clinico–therapeutic course] Soubihe NV, et al. **Rev Inst Med Trop Sao Paulo** 1983 Jul–Aug; 25(4):195–7 (Eng. Abstr.) **(Por)**

HISTORY

Darwin's illness: Chagas' disease resurgens. Bernstein RE. **J R Soc Med** 1984 Jul;77(7):608–9

IMMUNOLOGY

Susceptibility of insect–borne, metacyclic forms of Trypanosoma cruzi to antibody–mediated mechanisms of destruction. Kierszenbaum F, et al. **Am J Trop Med Hyg** 1983 Nov;32(6):1236–41

Role of T lymphocytes in the resistance and immunopathology of experimental Chagas' disease. I. Histopathological studies. Gonçalves da Costa SC, et al. **Ann Immunol (Paris)** 1984 May–Jun;135C(3):317–32

Variations in cell–mediated immunity to Trypanosoma cruzi during experimental Chagas' disease. Maleckar JR, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):247–54

A circulating IgG in Chagas' disease which binds to beta–adrenoceptors of myocardium and modulates their activity. Borda E, et al. **Clin Exp Immunol** 1984 Sep; 57(3):679–86

Stimulatory effect of lymphocytes from Chagas' patients on spontaneously beating rat atria. de Bracco MM, et al. **Clin Exp Immunol** 1984 Feb;55(2):405–12

Isotype of lytic antibodies in serum of Chagas' disease patients. Romeiro SA, et al. **Clin Exp Immunol** 1984 Feb; 55(2):413–8

Isotype of antibodies responsible for immune lysis in Trypanosoma cruzi infected mice. Stefani MM, et al. **Immunol Lett** 1983;7(2):91–7

Alterations in production of immunoglobulin classes and subclasses during experimental Trypanosoma cruzi infection. Jeng GK, et al. **Infect Immun** 1984 Feb; 43(2):768–70

Role of the H–2s haplotype in survival of mice after infection with Trypanosoma cruzi. Wrightsman RA, et al. **Infect Immun** 1984 May;44(2):351–4

Killing of circulating forms of Trypanosoma cruzi by lymphoid cells from acutely and chronically infected mice. Kierszenbaum F, et al. **Int J Parasitol** 1983 Aug; 13(4):377–81

Trypanosoma cruzi: the immunological consequences of infection. Hudson L. **J Cell Biochem** 1983;21(4):299–304

Heterologous antibody responses in mice with chronic T. cruzi infection: depressed T helper function restored with supernatants containing interleukin 2. Reed SG, et al. **J Immunol** 1984 Sep;133(3):1558–63

Spleen cell–mediated suppression of IgG production to a non–parasite antigen during chronic Trypanosoma cruzi infection in mice. Reed SG, et al. **J Immunol** 1983 Oct; 131(4):1978–82

Restoration of in vitro immune responses of spleen cells from mice infected with Trypanosoma cruzi by supernatants containing interleukin 2. Tarleton RL, et al. **J Immunol** 1984 Sep;133(3):1570–5

Role of inflammatory cells in Chagas' disease. I. Uptake and mechanism of destruction of intracellular (amastigote) forms of Trypanosoma cruzi by human eosinophils. Villalta F, et al. **J Immunol** 1984 Apr;132(4):2053–8

Interferon and natural killer cells in murine Chagas' disease. Quan PC, et al. **J Parasitol** 1983 Dec;69(6):1164–6

Loss of suppressor activity in the serum of mice infected with Trypanosoma cruzi. Tarleton RL, et al. **J Parasitol** 1984 Apr;70(2):253–60

Variations in expression of markers by populations of adherent cells from Trypanosoma cruzi–infected mice. Wirth JJ, et al. **J Protozool** 1984 Feb;31(1):147–51

Evolution of sarcoma 180 in mice infected with Trypanosoma cruzi. Pereira FE, et al. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep;78(3):237–44

Antibody–dependent cellular cytotoxicity in chronic human Chagas disease. Voltarelli JC, et al. **Parasite Immunol** 1983 Jul;5(4):377–84

Suppression of humoral immunity and lymphocyte responsiveness during experimental Trypanosoma cruzi infections. O'Daly JA, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr;26(2):67–77

[Use, in polytransfusions, of the research on anti–Trypanosoma cruzi and anti–Toxoplasma gondii IgM antibodies to detect recent postransfusion infections] Amato Neto V, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):83–6 (Eng. Abstr.) **(Por)**

[Total hemolytic complement, C3 and C3 convertase levels in cardiac and indeterminate forms of Chagas' disease] Shikanai–Yasuda MA, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jan–Feb;26(1):13–8 (Eng. Abstr.) **(Por)**

[Serological studies in patients with chronic Chagas' disease] Carbonetto CH, et al. **Medicina (B Aires)** 1983;43(2):131–6 (Eng. Abstr.) **(Spa)**

[Immunological and morphological studies in experimental Chagas' disease in mice] Cossio PM, et al. **Medicina (B Aires)** 1983;43(5):517–24 (Eng. Abstr.) **(Spa)**

[Possible use of tissue amastigotes of T. cruzi for serological immunofluorescence tests (letter)] Cossio PM, et al. **Medicina (B Aires)** 1983;43(6 Pt 1):737–8 **(Spa)**

[Cytotoxic activity of the leukocytes of chronic Chagas' disease patients against Trypanosoma cruzi] Olabuenaga SE, et al. **Medicina (B Aires)** 1983;43(2):168–74 (Eng. Abstr.) **(Spa)**

[Immunoprotection in rats by cultured epimastigotes of Trypanosoma cruzi] Rodríguez AM, et al. **Medicina (B Aires)** 1983;43(4):383–90 (Eng. Abstr.) **(Spa)**

METABOLISM

Adrenergic innervation and noradrenaline content of the rat submandibular gland during the experimental Trypanosoma cruzi infection. Machado CR, et al. **J Neural Transm** 1984; 59(4):289–97

MORTALITY

Characteristics of urban mortality from Chagas' disease in Brazil's Federal District. Pereira MG. **Bull Pan Am Health Organ** 1984;18(1):1–9

OCCURRENCE

Trypanosoma cruzi (Chagas) (protozoa: Kinetoplastida: Trypanosomatidae) in invertebrate and vertebrate hosts from Brewster County in Trans–Pecos Texas. Ikenga JO, et al. **J Econ Entomol** 1984 Feb;77(1):126–9

Indigenous Chagas' disease (American trypanosomiasis) in California. Schiffler RJ, et al. **JAMA** 1984 Jun 8; 251(22):2983–4

[Morbidity of Chagas' disease. II – Sectional studies in 4 field areas in Brazil] Coura JR, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):101–24 (Eng. Abstr.) **(Por)**

[Chagas' disease morbidity. I – Study of cases originating in various states of Brazil, observed in Rio de Janeiro] Coura JR, et al. **Mem Inst Oswaldo Cruz** 1983 Jul–Sep; 78(3):363–72 (Eng. Abstr.) **(Por)**

[Socio–economic study of patients with megaesophagus: survey on 104 patients] Pinotti HW, et al. **Rev Paul Med** 1983 Nov–Dec;101(6):240–4 **(Por)**

[Chagas disease in Mexico (editorial)] Reyes P. **Arch Inst Cardiol Mex** 1984 Jan–Feb;54(1):1–2 **(Spa)**

[Chagas' disease in Chile. Rural Sectors. Domiciliary triatomid infestation and Trypanosoma cruzi infection of the vector and mammals of Region I (1982–1983)] Martínez R, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):70–2 (Eng. Abstr.) **(Spa)**

[Chagas' disease in Chile. Urban Sectors. III – Incidence of Chagas' infection in mothers and newborn infants at the Hospital of Copiapo (III Region, Chile)] Mendoza J, et al. **Bol Chil Parasitol** 1983 Jan–Jun;38(1–2):29–31 (Eng. Abstr.) **(Spa)**

[Chagas disease in Chile. Urban sections. I. Prevalence of Chagasic infection in blood donors from a hospital in the north section of the metropolitan region, 1982] Meza C, et al. **Bol Chil Parasitol** 1982 Jul–Dec;37(3–4):63–5 (Eng. Abstr.) **(Spa)**

[Chagas' disease in Chile. Urban Sectors. V—Frequency of Trypanosoma cruzi infection in blood donors and in mothers and newborn infants at the Iquique Hospital (Region I, 1982–1983)] Platero F, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):76–8 (Eng. Abstr.) **(Spa)**

[Chagas' disease in Chile. Urban Sectors. II – Prevalence of Chagas' infection in blood donors at the Hospital of Copiapo (III Region, Chile)] Rojas R, et al. **Bol Chil Parasitol** 1983 Jan–Jun;38(1–2):26–8 (Eng. Abstr.) **(Spa)**

[Chagas' disease in Chile. Rural Sectors. Frequency of electrocardiographic changes in 1714 subjects with positive serology and in 8276 with negative serology] Schenone H, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):67–8 (Eng. Abstr.) **(Spa)**

[Chagas' disease in Chile. Urban Sectors. IV—Frequency of Chagas' infection in blood donors and in mothers and newborn infants under care at the Arica Hospital (Region I, 1982–1983)] Weinborn ME, et al. **Bol Chil Parasitol** 1983 Jul–Dec;38(3–4):73–5 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Surface antigens of stocks and clones of Trypanosoma cruzi isolated from humans. Zingales B, et al. **Acta Trop (Basel)** 1984 Mar;41(1):5–16

Studies of Trypanosoma cruzi clones in inbred mice. II. Course of infection of C57BL/6 mice with single–cell–isolated stocks. Postan M, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):236–8

Comparative studies on trypomastigotes of Trypanosoma cruzi from infected mouse blood and infected fibroblast cell (L–cell) culture. Kanbara H, et al. **Biken J** 1983 Mar; 26(1):57–62

Trypanosoma cruzi: intracellular host-parasite relationship in murine infection. Grimaud JA, et al. **Cell Mol Biol** 1984; 30(1):59–65

Modulatory effect of guanosine-3':5' cyclic monophosphate on macrophage susceptibility to Trypanosoma cruzi infection. Wirth JJ, et al. **J Immunol** 1983 Dec; 131(6):3028–31

Trypanosoma cruzi: inoculation schedules and re-isolation methods select individual strains from doubly infected mice, as demonstrated by schizodeme and zymodeme analyses. Deane MP, et al. **J Protozool** 1984 May; 31(2):276–80

[Experimental infection of the monkey Cebus apella sp. by Trypanosoma cruzi. III. Value of xenodiagnosis and serodiagnosis in the chronic phase of the disease] Granado N, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov-Dec; 25(6):283–7 (Eng. Abstr.) **(Por)**

[Experimental infection of the monkey Cebus apella sp. by Trypanosoma cruzi. II. Re-isolation of strains and study of their characteristics in albino mice] Rassy MR, et al. **Rev Inst Med Trop Sao Paulo** 1983 Nov-Dec;25(6):275–82 (Eng. Abstr.) **(Por)**

[Experimental study of Zygodontomys lasiurus (Rodentia-Cricetidae) with strains of Trypanosoma cruzi] Borges MM, et al. **Rev Saude Publica** 1983 Oct;17(5):387–93 (Eng. Abstr.) **(Por)**

[Ecological aspects of South American trypanosomiasis. XVIII - Development and annual cycles of Triatoma infestans, T. sordida and Rhodnius neglectus colonies in artificial ecotopes and in peri- and extra-domicilliary environments] Forattini OP, et al. **Rev Saude Publica** 1983 Aug;17(4):243–62 (Eng. Abstr.) **(Por)**

PATHOLOGY

Changes in acetylcholinesterase-positive nerves of the submandibular salivary gland during experimental infection with a protozoon, Trypanosoma cruzi, in rats. Alves JB, et al. **Arch Oral Biol** 1984;29(8):647–51

Mechanisms of myocardial damage in Trypanosoma cruzi infection. Andrade ZA. **Ciba Found Symp** 1983;99:214–33

Immunopathogenesis of experimental Chagas' disease in mice: damage to the autonomic nervous system. Hudson L. **Ciba Found Symp** 1983;99:234–51 (17 ref.)

Inhibition of muscle differentiation by trypanosoma cruzi. Rowin KS, et al. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6390–4

Non-potentiation of myocardial lesions by isoproterenol in T. cruzi-infected rats. Oliveira JS, et al. **Res Exp Med (Berl)** 1984;184(1):33–9

PHYSIOPATHOLOGY

Exercise testing in the latent phase of Chagas' disease. Pereira MH, et al. **Clin Cardiol** 1984 May;7(5):261–5

Effect of pentagastrin on the motor activity of the dilated and nondilated sigmoid and rectum in Chagas' disease. Meneghelli UG, et al. **Digestion** 1983;27(3):152–8

Role of iron in Trypanosoma cruzi infection of mice. Lalonde RG, et al. **J Clin Invest** 1984 Feb;73(2):470–6

[The lower esophageal sphincter in patients with Chagas' disease with peristalsis and aperistalsis] Dantas RO, et al. **Arq Gastroenterol** 1983 Jan-Mar;20(1):13–6 (Eng. Abstr.) **(Por)**

[Differences of involvement of peristalsis between the upper and lower parts of the esophagus in Chagas' disease] Dantas RO, et al. **Rev Paul Med** 1984 May-Jun;102(3):109–12 (Eng. Abstr.) **(Por)**

[Chagas' disease in Chile. Rural Sectors. Study of esophageal motility in subjects with positive serology] Espinoza M, et al. **Bol Chil Parasitol** 1983 Jul-Dec;38(3-4):68–9 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Protection of mice by trehalose dimycolate against lethal infection by Trypanosoma cruzi] Leon LL, et al. **C R Seances Acad Sci [III]** 1983;297(6):335–7 (Eng. Abstr.) **(Fre)**

[Ecological aspects of South American trypanosomiasis. XVII - Development of Triatominae regional domiciliation in an endemic center of Triatoma sordida] Forattini OP, et al. **Rev Saude Publica** 1983 Jun;17(3):159–99 (Eng. Abstr.) **(Por)**

THERAPY

Beta-interferon inhibits cell infection by Trypanosoma cruzi. Kierszenbaum F, et al. **J Immunol** 1984 Feb;132(2):905–8

TRANSMISSION

The role of dirt floors and of firewood in rural dwellings in the epidemiology of Chagas' disease in Costa Rica. Zeledón R, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):232–5

[Chagas disease caused by transfusion and immunosuppressive therapy (letter)] Manigot DA, et al. **Medicina (B Aires)** 1983;43(2):235–6 **(Spa)**

VETERINARY

Antibodies to Trypanosoma cruzi in coyotes in texas. Grögl M, et al. **J Parasitol** 1984 Feb;70(1):189–91

Effect of isometamidium on infections by Trypanosoma vivax and T. evansi in experimentally-infected animals. Toro M, et al. **Vet Parasitol** 1983 Aug;13(1):35–43

TRYPSIN

Use of the neutron diffraction—H/D exchange technique to determine the conformational dynamics of trypsin. Kossiakoff AA. **Basic Life Sci** 1984;27:281–304

Structure of a bacterial photosynthetic membrane: integrity of reaction centers following proteolysis and detergent solubilization. Jacob JS, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):164–71

Cryoenzymology of trypsin. 13C-n.m.r. detection of an acyl-trypsin intermediate in the trypsin-catalysed hydrolysis of a highly specific substrate at subzero temperature. Mackenzie NE, et al. **Biochem J** 1984 Apr 15;219(2):437–44

Cryoenzymology of trypsin. A detailed kinetic study of the trypsin-catalysed hydrolysis of N-alpha-benzyloxycarbonyl-L-lysine p-nitrophenyl ester at low temperatures. Malthouse JP, et al. **Biochem J** 1983 Dec 1;215(3):555–63

Transition-state affinity chromatography of trypsin-like proteinases with dipeptidyl argininal ligands. Patel AH, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):321–30

A comparison of the fragmentation of different species of mammalian immunoglobulin M by trypsin in urea. Beale D, et al. **Comp Biochem Physiol [B]** 1983;76(2):385–91

Organotypic differentiation of trypsin-dissociated fetal rat intestine. Montgomery RK, et al. **Dev Biol** 1983 Nov; 100(1):181–9

Structural similarities among concanavalin A, haptoglobin, and trypsin. Dobryszycka W, et al. **FEBS Lett** 1984 Jun 4;171(1):85–8

The use of trypsin to improve the localization of immunoglobulins in semi-thin frozen sections of the mammary gland. Richards RC. **Histochem J** 1984 May; 16(5):565–72

Selection by trypsin of two sublines of rat colon cancer cells forming progressive or regressive tumors. Martin F, et al. **Int J Cancer** 1983 Nov 15;32(5):623–7

Blocking effect of trypsin associated with ovomucoid on the antibody binding to ovomucoid. Matsuda T, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):43–9

Trypsin-like protease from soybean seeds. Purification and some properties. Nishikata M. **J Biochem (Tokyo)** 1984 Apr; 95(4):1169–77

NMR titration studies of histidine 57 and the [methylene-13C]PMS group in the phenylmethanesulfonyl (PMS) derivative of Streptomyces erythraeus trypsin. Sakiyama F, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1661–9

Preliminary crystallographic study of Bowman-Birk protease inhibitor (adzuki bean) and its complex with trypsin. Tanaka Y, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):611–3

Purification and characterization of two types of trypsin-like enzymes from sperm of the ascidian (Prochordata) Halocynthia roretzi. Evidence for the presence of spermosin, a novel acrosin-like enzyme. Sawada H, et al. **J Biol Chem** 1984 Mar 10;259(5):2900–4

Evidence for free radical production by ultrasonic cavitation in biological media. Edmonds PD, et al. **Ultrasound Med Biol** 1983 Nov-Dec;9(6):635–9

[Assay of enzyme preparations (III). A bromelain preparation containing trypsin] Tanimoto T, et al. **Eisei Shikenjo Hokoku** 1983;(101):79–83 (Eng. Abstr.) **(Jpn)**

[Enzyme inactivation after exposure to mechanical factors] Iakusheva LD, et al. **Biofizika** 1984 Mar-Apr;29(2):190–3 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Experimental synovitis induced by intraarticular administration of alpha 2-macroglobulin-proteinase complexes. Steffen C, et al. **Arthritis Rheum** 1984 Aug; 27(8):897–904

Experimental aortitis. Aortic lesions induced by a serine protease. Morooka S. **Jpn Heart J** 1983 Jul;24(4):615–22

[Pathogenesis and etiotropic therapy of neurologic forms of epidemic parotitis] Sichko ZhV, et al. **Voen Med Zh** 1983 Oct;(10):29–32 **(Rus)**

ANALYSIS

Prenatal diagnosis of duodenal atresia using third trimester amniotic fluid immunoreactive trypsin. Legge M, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):61

Immunoreactive trypsin and the prenatal diagnosis of cystic fibrosis. Brock DJ, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):449–52

Measurement of trypsin-like activity of saliva, serum and meconium by a synthetic substrate carbobenzoxy-L-arginine-7-amino-4-methylcoumarin amide (CAMCA). Hsieh MC, et al. **Clin Chim Acta** 1984 Apr 13;138(2):221–7

Enzymatic characterization of anionic trypsin of the catfish (Parasilurus asotus). Yoshinaka R, et al. **Comp Biochem Physiol [B]** 1984;77(1):1–6

[Immunohistochemical determination of trypsin in the human pancreas] Putzke HP, et al. **Acta Histochem [Suppl] (Jena)** 1984;30:287–90 **(Ger)**

BLOOD

Neonatal screening for cystic fibrosis by dried blood spot trypsin assay. Results in 47 127 newborn infants from a homogeneous population. Cassio A, et al. **Acta Paediatr Scand** 1984 Jul;73(4):554–8

On the potential role of trypsin and trypsin inhibitors in acute pancreatitis. Lasson A, et al. **Adv Exp Med Biol** 1984; 167:477–87

Serum immunoreactive trypsin response to secretin injection in patients with chronic pancreatitis. Vezzadini P, et al. **Am J Gastroenterol** 1984 Mar;79(3):213–6

Serum pancreatic enzymes in the elderly. Mohiuddin J, et al. **Ann Clin Biochem** 1984 Mar;21 (Pt 2):102–4

Serum trypsin, alpha-amylase and lipase during bombesin stimulation in normal subjects and patients with pancreatic insufficiency. Hafkenscheid JC, et al. **Clin Chim Acta** 1984 Jan 31;136(2-3):235–40

Comparative study of serum pancreatic isoamylase, lipase, and trypsin-like immunoreactivity in pancreatic disease. Ventrucci M, et al. **Digestion** 1983;28(2):114–21

Bombesin, trypsin, and chronic pancreatitis [letter] Severi M, et al. **Gastroenterology** 1984 Jun;86(6):1631

Serum pancreatic enzyme alterations in acute viral hepatitis. Lechi A, et al. **Hepatogastroenterology** 1983 Dec; 30(6):233–5

Immunoreactive trypsin in the adult respiratory distress syndrome. Deby-Dupont G, et al. **Intensive Care Med** 1984; 10(1):7–12

Immunoreactive trypsin levels in young cystic fibrosis patients and in other sick children. Hallinan FM, et al. **Ir J Med Sci** 1983 Nov;152(11):409–12

Screening for cystic fibrosis [letter] Heeley AF. **J Pediatr** 1983 Nov;103(5):836

Nutritional deficits exist before 2 months of age in some infants with cystic fibrosis identified by screening test. Reardon MC, et al. **J Pediatr** 1984 Aug;105(2):271–4

Serum lipase and trypsin in neonatal detection of cystic fibrosis [letter] **Lancet** 1984 Apr 28;1(8383):959–60

Trisomy 18, cystic fibrosis, and blood immunoreactive trypsin [letter] Heeley AF, et al. **Lancet** 1984 Jan 21;1(8369):169–70

Trypsin-like immunoreactivity as a test for pancreatic insufficiency. Jacobson DG, et al. **N Engl J Med** 1984 May 17;310(20):1307–9

Correlation between serum concentrations of three specific exocrine pancreatic proteins and pancreatic duct morphology at ERCP examinations. Borgström A, et al. **Scand J Gastroenterol** 1984 Mar;19(2):220–7

Serum immunoreactive trypsin, pancreatic polypeptide, and pancreatic isoamylase as diagnostic tests for chronic pancreatitis. Enslev L, et al. **Scand J Gastroenterol** 1984 Mar;19(2):204–8

The effect of graded doses of secretin on serum trypsin, serum pancreatic amylase, serum insulin, plasma somatostatin, and plasma pancreatic polypeptide in man. Florholmen J, et al. **Scand J Gastroenterol** 1984 Jan;19(1):24–30

Postprandial response and diurnal variation of serum cationic trypsin-like immunoreactivity in man. Florholmen J, et al. **Scand J Gastroenterol** 1984 Jul;19(5):622–5

Pancreatic secretory proteins in sera from rats before and after induction of experimental pancreatitis. Marks WH, et al. **Scand J Gastroenterol** 1984 Jun;19(4):552–60

Effect of secretin stimulation upon serum immunoreactive trypsin in patients with carcinoma of the pancreas. Vezzadini P, et al. **Surg Gynecol Obstet** 1984 Apr; 158(4):319–21

[Levels of immunoreactive trypsin in the serum in children] Tomášová H, et al. **Cesk Pediatr** 1983 Sep;38(9):537–9 (Eng. Abstr.) **(Cze)**

[Serum amylase, lipase and trypsin after retrograde cholangiopancreatography (letter)] Lesi C, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):196–8 **(Fre)**

[Neonatal screening of mucoviscidosis using radioimmunologic levels of trypsin in dried blood eluates] Bourguignon JP, et al. **Rev Med Liege** 1984 May 15; 39(10):451–9 **(Fre)**

[Importance of the trypsin radioimmunoassay in pancreatic diagnosis] Koop H, et al. **Minerva Dietol Gastroenterol** 1983 Jul-Sep;29(3):251–3 **(Ita)**

[Determination of serum levels of trypsin in the diagnosis of pancreatic diseases] Wacheck W. **Ric Clin Lab** 1983;13 Suppl 2:119–24 **(Ita)**

[Methods of serum enzyme determination and its clinical significance: trypsin] Sugiura M, et al. **Rinsho Byori** 1983 Jun;Suppl 55:213–21 **(Jpn)**

[Diagnosis of acute postoperative pancreatitis] Vinogradov VV, et al. **Klin Khir** 1983 Nov;(11):4–7 (Eng. Abstr.) **(Rus)**

[Radioimmunologic determination of gastrin, insulin, C-peptide, glucagon and trypsin in the combined radiotherapy of cervix cancer] Modnikov OP. **Lab Delo** 1984;(6):358–60 (Eng. Abstr.) **(Rus)**

GENETICS

Chromosomal assignments of human genes for serine proteases trypsin, chymotrypsin B, and elastase. Honey NK, et al. **Somatic Cell Mol Genet** 1984 Jul;10(4):369–76

IMMUNOLOGY

Demonstration of neutralizing and non-neutralizing epitopes on the trypsin-sensitive site of foot-and-mouth disease virus. Ouldridge EJ, et al. **J Gen Virol** 1984 Jan;65 (Pt

1):203–7
[Enzymes are the allergenic components of inhaled pancreatin] Baur X, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):257–60 (Eng. Abstr.) **(Ger)**
[Effect of trypsin on the immune response in localized staphylococcal infection] Prokopenko LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):104–8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification and characterization of trypsin-like enzyme from sea urchin eggs: substrate specificity and physiological role. Sawada H, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):598–604
Mesotrypsin: a new inhibitor-resistant protease from a zymogen in human pancreatic tissue and fluid. Rinderknecht H, et al. **Gastroenterology** 1984 Apr; 86(4):681–92

METABOLISM

In vitro effects of a beer-foam stabilizer on the activities of three pancreatic hydrolases. Uwaifo AO. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):183–6
A high-molecular-weight trypsinlike protease in the skin sites of delayed hypersensitivity in guinea pigs. Nakamura T, et al. **Am J Pathol** 1984 Feb;114(2):250–63
Why bluefin tuna have warm tummies: temperature effect on trypsin and chymotrypsin. Stevens ED, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R487–94
Intestinal uptake of trypsin in newborn and weaned rabbits. Udall JN, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G183–8
Interaction of protein substrate and inhibitors with alpha 2-macroglobulin-bound proteinases. Bieth JG, et al. **Ann NY Acad Sci** 1983;421:209–17
Changes in alpha 2-macroglobulin conformation by reaction with trypsin and methylamine. Dangott LJ, et al. **Ann NY Acad Sci** 1983;421:158–9
The clinical relevance of alpha 2-macroglobulin. Donnelly PK, et al. **Ann NY Acad Sci** 1983;421:382–7
Immunoassay of alpha 2-macroglobulin-enzyme complexes. Harpel PC. **Ann NY Acad Sci** 1983;421:134–42
The methylamine reactive site and protease inhibition in alpha 2-macroglobulin. Howard JB, et al. **Ann NY Acad Sci** 1983;421:160–6
Studies on the physiology of macrophage receptors for alpha-macroglobulin X protease complexes. Kaplan J, et al. **Ann NY Acad Sci** 1983;421:442–56
Defective receptor binding of naturally occurring alpha 2-macroglobulin-protease complexes in cystic fibrosis by normal human fibroblasts. Marynen P, et al. **Ann NY Acad Sci** 1983;421:401–3
Structure of alpha 2-macroglobulin in solution and its interaction with proteases: an X-ray scattering study using the contrast variation method. Osterberg R, et al. **Ann NY Acad Sci** 1983;421:98–111
Structural arrangement of the proteinase binding sites in human alpha 2-macroglobulin. Pochon F, et al. **Ann NY Acad Sci** 1983;421:81–9
Computer averaging of single molecules of two forms of alpha 2-macroglobulin and the alpha 2-macroglobulin/trypsin complex. Schramm HJ, et al. **Ann NY Acad Sci** 1983;421:149–53
Generation and reactivity of 'nascent' alpha 2-macroglobulin: localization of cross-links in alpha 2-macroglobulin-trypsin complex. Sottrup-Jensen L, et al. **Ann NY Acad Sci** 1983; 421:188–208
Characterization of a trypsin-like protease from the bacterium Bacteroides gingivalis isolated from human dental plaque. Yoshimura F, et al. **Arch Oral Biol** 1984; 29(7):559–64
Enzymatic cleavage of a glycoprotein of respiratory syncytial virus. Spring SB, et al. **Arch Virol** 1983;76(4):359–63
Non-productive activation of the proteinase binding sites of alpha 2-macroglobulin on reaction of the inhibitor with matrix-linked trypsin. Björk I. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):691–5
Kinetic studies on the mechanism and the specificity of peptide semisynthesis catalyzed by the serine proteases alpha-chymotrypsin and beta-trypsin. Riechmann L, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):686–91
Benzyl p-guanidinothiobenzoate hydrochloride, a new active-site titrant for trypsin and trypsin-like enzymes. Cook RR, et al. **Biochem J** 1983 Nov 1;215(2):287–94
Kinetics of tryptic hydrolysis of the arginine-valine bond in folded and unfolded ribonuclease T1. Pace CN, et al. **Biochem J** 1984 Apr 15;219(2):411–7
Low-temperature reactions of trypsin with p-nitroanilide substrates: tetrahedral intermediate formation or enzyme isomerization. Compton PD, et al. **Biochemistry** 1984 Jun 19;23(13):2989–94
Turnover and orientation of the major neural retina cell surface protein protected from tryptic cleavage by calcium. Cook JH, et al. **Biochemistry** 1984 Feb 28;23(5):899–904
Activation of bovine brain calmodulin-dependent protein phosphatase by limited trypsinization. Tallant EA, et al. **Biochemistry** 1984 Feb 28;23(5):973–9
Different primary specificity of porcine pancreatic beta-kallikrein-B and bovine beta-trypsin. A comparative steady-state and pre-steady-state study. Ascenzi P, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):99–103
Enzymatic properties of alpha 2-macroglobulin-proteinase complexes. Apparent discrimination between covalently and noncovalently bound trypsin by reaction with soybean trypsin inhibitor. Christensen U, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):263–75
Production of HMG-3 by limited trypsin digestion of purified high-mobility-group nonhistone chromatin proteins. Isackson PJ, et al. **Biochim Biophys Acta** 1983 Nov 14; 748(3):436–43
The two alpha 2-macroglobulin-bound trypsin molecules have different affinities for the basic pancreatic trypsin inhibitor. Tourbez M, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):74–9
Multiple intermediates in the reaction of bovine beta-trypsin with bovine pancreatic trypsin inhibitor (Kunitz). Antonini E, et al. **Biopolymers** 1983 Jan;22(1):363–75
Neutral proteinases induce rheumatoid factor production in mouse spleen cell cultures. Vischer TL. **Clin Exp Immunol** 1984 Jan;55(1):99–105
Comparison of human acrosin, a trypsin-like sperm proteinase, with human pancreatic trypsin: temperature stability and effect of cations. Anderson RA Jr, et al. **Comp Biochem Physiol [B]** 1984;77(4):707–13
Fate of intravenously injected trypsin in dog with special reference to the existence of an enteropancreatic circulation. Bohe M, et al. **Digestion** 1984;29(3):158–63
Comparison of the interactions of soya bean protease inhibitors with rat pancreatic enzymes and human trypsin. Temler RS, et al. **Enzyme** 1983;30(2):105–14
Monoclonal antibodies block the trypsin cleavage site on human placental alkaline phosphatase. Jemmerson R, et al. **FEBS Lett** 1984 Aug 6;173(2):357–9
Separation of the tryptic fragments of sarcoplasmic reticulum ATPase with high performance liquid chromatography. Identification of the calcium binding site. Lüdi H, et al. **FEBS Lett** 1984 Feb 13;167(1):33–6
Search for the trigger mechanism of pancreatitis [editorial] Steer ML. **Gastroenterology** 1984 Apr;86(4):764–6
Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, VII. Characterization of the bovine inhibitor as double-headed trypsin-elastase inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1689–96
Influence of plasma proteinase inhibitors and aprotinin on trypsin-induced bradykinin release in vitro in man. Lasson A, et al. **Hoppe Seylers Z Physiol Chem** 1983 Sep; 364(9):1315–22
The X-ray crystal structure analysis of the refined complex formed by bovine trypsin and p-amidinophenylpyruvate at 1.4 A resolution. Walter J, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug;364(8):949–59
Role of protease—protease-inhibitor complexes in inflammation. Takeuchi A, et al. **Int J Tissue React** 1984; 6(1):1–8
Time-resolved europium fluorescence in enzyme activity measurements: a sensitive protease assay. Karp MT, et al. **J Appl Biochem** 1983 Dec;5(6):399–403
Effect of tryptic digestion of myosin subfragment-1 on its binding to F-actin. Furukawa K, et al. **J Biochem (Tokyo)** 1984 May;95(5):1343–8
Conformational change of Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum upon binding of Ca2+ and adenyl-5'-yl-imidodiphosphate as detected by trypsin sensitivity analysis. Imamura Y, et al. **J Biochem (Tokyo)** 1984 May;95(5):1305–13
Proteolytic digestion of band 3 from bovine erythrocyte membranes in membrane-bound and solubilized states. Makino S, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1019–29
Effect of temperature and added ligands on the susceptibility of Ca2+,Mg2+-adenosine triphosphatase of the sarcoplasmic reticulum to trypsin. Saito K, et al. **J Biochem (Tokyo)** 1984 May;95(5):1297–304
Kinetics of hydrolysis of Na-benzoyl-p-guanidino-L-phenylalanine p-nitroanilide by trypsin. Tsunematsu H, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):123–8
Hydrolysis of phenylthiazolones of p-guanidinophenylalanine and arginine by trypsin and related enzymes. Tsunematsu H, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1119–25
Effect of size and location of the oligosaccharide chain on protease degradation of bovine pancreatic ribonuclease. Bernard BA, et al. **J Biol Chem** 1983 Oct 25; 258(20):12198–202
Conformation and protease binding activity of binary and ternary human alpha 2-macroglobulin-protease complexes. Gonias SL, et al. **J Biol Chem** 1983 Dec 10;258(23):14682–5
Limited trypsin proteolysis of photoreceptor GTP-binding protein. Light- and GTP-induced conformational changes. Halliday KR, et al. **J Biol Chem** 1984 Jan 10;259(1):516–25
Selective tryptic cleavage of native cytoplasmic aspartate transaminase holoenzyme. Iriarte A, et al. **J Biol Chem** 1984 Jan 25;259(2):723–8
Effects of limited tryptic cleavage on the physical and enzymatic properties of myosin II from Acanthamoeba castellanii. Kuznicki J, et al. **J Biol Chem** 1984 Jul 25; 259(14):9308–13
Trypsin modification of Escherichia coli alkaline phosphatase. Roberts CH, et al. **J Biol Chem** 1984 Jan 25; 259(2):729–33
Insulin-like effect of trypsin on the phosphorylation of rat adipocyte insulin receptor. Tamura S, et al. **J Biol Chem** 1983 Dec 25;258(24):14749–52
Mammalian tissue trypsin-like enzymes. Comparative reactivities of human skin tryptase, human lung tryptase, and bovine trypsin with peptide 4-nitroanilide and thioester substrates. Tanaka T, et al. **J Biol Chem** 1983 Nov 25; 258(22):13552–7
Increased immunofluorescent staining of rabies-infected, formalin-fixed brain tissue after pepsin and trypsin digestion. Reid FL, et al. **J Clin Microbiol** 1983 Oct; 18(4):968–71
Response of rat pancreatic proteases to dietary proteins, their hydrolysates and soybean trypsin inhibitor. Temler RS, et al. **J Nutr** 1984 Feb;114(2):270–8
Partial hydrolysis of cow's milk proteins by human trypsins and elastases in vitro. Jakobsson I, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):613–6
Genetic diversity in natural populations of mammalian reoviruses: tryptic peptide analysis of outer capsid polypeptides of murine, bovine, and human type 1 and 3 reovirus strains. Gentsch JR, et al. **J Virol** 1984 Mar; 49(3):641–51
Role of proteases in hypercatabolic patients with renal failure. Hörl WH, et al. **Kidney Int [Suppl]** 1983 Dec;16:S37–42
Proteases as probes of mitochondrial monoamine oxidase topography in situ. Buckman TD, et al. **Mol Pharmacol** 1984 Jan;25(1):165–70
A fluorescent probe for the active site of bovine trypsin. Russo SF, et al. **Physiol Chem Phys** 1983;15(3):223–7
Small molecular regulators of the specific trypsin cleavages in aspartate transaminase isozymes. Iriarte A, et al. **Prog Clin Biol Res** 1984;144B:269–76
Limited proteolytic cleavage of aspartate aminotransferase isoenzymes. Meer L, et al. **Prog Clin Biol Res** 1984; 144B:277–83
Radioimmunoassay of cationic trypsin-like immunoreactivity in man. Florholmen J, et al. **Scand J Gastroenterol** 1984 Jul;19(5):613–21
Effect of inhibitors of glycosylation on proteolytic activation of avian influenza virus hemagglutinins: discrimination between tryptic cleavage and elimination of the connecting peptide. Bosch FX, et al. **Virology** 1984 Jan 15; 132(1):199–204
[Change in the trypsin-binding activity of alpha 2-macroglobulin and the general antitrypsin activity of the blood in chronic pancreatitis] Chernoiarova OD, et al. **Klin Med (Mosk)** 1983 Nov;61(11):88–91 **(Rus)**
[Kinetics of the immobilization of trypsin on activated silichrome] Liubinskiĭ GV, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):499–502 (Eng. Abstr.) **(Rus)**
[Distribution of pancreatic trypsin among the fractions of duodenal contents in an in-vitro system] Mitin IE. **Vopr Pitan** 1984 May–Jun;(3):69–70 **(Rus)**
[Hydrolysis of egg protein in the mucosal and central layers of the gastric contents] Saidbaeva LM, et al. **Vopr Pitan** 1984 May–Jun;(3):53–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Ultrastructure of opossum oocyte investing coats and their sensitivity to trypsin and hyaluronidase. Talbot P, et al. **Dev Biol** 1984 May;103(1):159–67
A differential effect of trypsin on pituitary gonadotropin-releasing hormone receptors from intact and ovariectomized rats. Evidence for the existence of two distinct receptor populations. Liscovitch M, et al. **Eur J Biochem** 1984 Apr 2;140(1):191–7
Modification of the cation selectivity filter and the calcium receptor of the Ca-stimulated K channel in resealed ghosts of human red blood cells by low levels of incorporated trypsin. Wood PG, et al. **Eur J Biochem** 1984 May 15; 141(1):91–5
Influence of intraluminal trypsin activity on the course of acute experimental pancreatitis. Evander A, et al. **Eur Surg Res** 1984;16(4):249–55
Synergistic effect of AMP and fructose 2,6-bisphosphate on the protection of fructose 1,6-bisphosphatase against inactivation by trypsin. Han PF, et al. **Experientia** 1983 Nov 15;39(11):1305–7
Lack of ability of trypsin-treated mitochondrial F1-ATPase to bind the oligomycin-sensitivity conferring protein (OSCP). Hundal T, et al. **FEBS Lett** 1983 Oct 3;162(1):5–10
The major core histone antigenic determinants in systemic lupus erythematosus are in the trypsin-sensitive regions. Thomas JO, et al. **FEBS Lett** 1984 Apr 9;169(1):90–6
Protease-specific suppression of pancreatic exocrine secretion. Slaff J, et al. **Gastroenterology** 1984 Jul; 87(1):44–52
Increased levels of new spasmogenic substances released by trypsin from plasma of hypertensive rats. Reis ML, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):255–61
Resistance of bovine colostral anti-cholera toxin antibody to in vitro and in vivo proteolysis. McClead RE, et al. **Infect Immun** 1984 May;44(2):474–8
Production of macrophage activation factors by tryptic cleavage of calf serum proteins. McDaniel MC, et al. **Inflammation** 1983 Dec;7(4):339–45
Catalytic and structural properties of trypsin-treated 4-aminobutyrate aminotransferase. Kim DS, et al. **J Biol Chem** 1983 Oct 10;258(19):11768–73
In vitro development of the embryonic mouse inner ear following exposure to trypsin. Saver JL, et al. **J Exp Zool** 1984 Apr;230(1):53–61
The tail fibre of bacteriophage T4 is sensitive to proteases at elevated temperatures. Granboulan P.

J Gen Microbiol 1983 Jul;129 (Pt 7):2217–28

Optimization of tyrosine hydroxylase immunocytochemistry in paraffin sections using pretreatment with proteolytic enzymes. Towle AC, et al. **J Histochem Cytochem** 1984 Jul;32(7):766–70

Gap junction structures. V. Structural chemistry inferred from X-ray diffraction measurements on sucrose accessibility and trypsin susceptibility. Makowski L, et al. **J Mol Biol** 1984 Apr 15;174(3):449–81

Effects of trypsin and plasmin treatment of myelin on the myelin-associated glycoprotein and basic protein. Inuzuka T, et al. **J Neurochem** 1984 Aug;43(2):582–5

Evidence that trypsin digestion exposes a channel in the sarcoplasmic reticulum membrane. Toogood KC, et al. **Membr Biochem** 1983;5(1):49–75

Intestinal VIP receptors: differential effect of trypsin on the high and low affinity binding sites. Sarrieau A, et al. **Mol Cell Endocrinol** 1983 Aug;31(2–3):301–13

Trypsinization of chick glial cells before seeding: effects on energy metabolism enzymes and glutamine synthetase. Tholey G, et al. **Neurochem Res** 1983 Oct;8(10):1233–43

Regulatory effects on the pancreas of intraduodenal pancreatic juice and trypsin in the Syrian golden hamster. Andrén-Sandberg A, et al. **Scand J Gastroenterol** 1983 Jul; 18(5):697–706

Trypsin-induced aggregation of bovine pulmonary artery endothelial cells cultured on microcarriers. Brigham KL, et al. **Tissue Cell** 1984;16(2):167–72

[Activation of urinary kallikrein in human urine by trypsin] Irie A, et al. **Rinsho Byori** 1984 Feb;32(2):177–80 **(Jpn)**

[cAMP-dependent protein kinase activity and phospholamban phosphorylation of the heart in circulatory hypoxia. The effect of trypsin on the capacity for phosphorylation] Antipenko AE, et al. **Dokl Akad Nauk SSSR** 1984;275(2):490–3 **(Rus)**

[Comparative analysis of the effect of alpha-thrombin and trypsin on the state of the anticoagulating system] Strukova SM, et al. **Fiziol Zh SSSR** 1983 Nov;69(11):1467–72 (Eng. Abstr.) **(Rus)**

[Enzymic and non-enzymic fibrinolysis during intravenous administration of trypsin] Umarova BA, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):95–100 (Eng. Abstr.) **(Rus)**

[Trypsin increases the production of cAMP in isolated cells of the thyroid gland] Knopp J, et al. **Cesk Fysiol** 1984; 33(2):119–22 **(Slo)**

SECRETION

Sham feeding and pancreatic secretion. Evidence for direct vagal stimulation of enzyme output. Anagnostides A, et al. **Gastroenterology** 1984 Jul;87(1):109–14

[Effect of FOY-305 on the activity and secretion of pancreatic enzymes in vitro] Stöckmann F, et al. **Z Gastroenterol** 1984 Jun;22(6):311–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Vitamin B12 absorption in cystic fibrosis. Lindemans J, et al. **Acta Paediatr Scand** 1984 Jul;73(4):537–40

[Enzyme therapy in the treatment of paronychia] Zhalliev DS. **Khirurgiia (Mosk)** 1984 Jan;(1):67–70 (Eng. Abstr.) **(Rus)**

[Course of the wound process during treatment with immobilized proteolytic enzymes] Kogan AS, et al. **Vestn Khir** 1983 Aug;131(8):50–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Pulmonary surface tension after nontoxic experimental pancreatitis. Kerstein MD, et al. **Am Surg** 1984 Jul; 50(7):375–6

TRYPSIN INHIBITOR, ALPHA 1-ANTITRYPSIN see **ALPHA 1-ANTITRYPSIN**

TRYPSIN INHIBITOR, BOWMAN-BIRK SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KAZAL PANCREATIC see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KUNITZ, PANCREATIC see **KALLIKREIN-TRYPSIN INACTIVATOR**

TRYPSIN INHIBITOR, KUNITZ SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITORS

The state of the single tryptophyl of the black-eyed pea trypsin and chymotrypsin inhibitor by charge transfer with N-methylnicotinamide chloride. de Oliveira Martin C, et al. **An Acad Bras Cienc** 1983 Jun;55(2):213–8

Interaction of pyridoxal-5'-phosphate and black-eye pea trypsin and chymotrypsin inhibitor. Ventura MM, et al. **An Acad Bras Cienc** 1983 Dec;55(4):409–15

Occurrence of reduced alpha 2-macroglobulin and lowered protease inhibiting capacity in plasma of amyotrophic lateral sclerosis patients. Festoff BW. **Ann NY Acad Sci** 1983;421:369–76

Primary amino acid sequence similarity between human epidermal growth factor-urogastrone, human pancreatic secretory trypsin inhibitor, and members of porcine secretin family. Scheving LA. **Arch Biochem Biophys** 1983 Oct 15; 226(2):411–3

Stoichiometry of reactions of alpha 2-macroglobulin with trypsin and chymotrypsin. Björk I, et al. **Biochem J** 1984 Jan 1;217(1):303–8

Use of local electrostatic environments of cysteines to enhance formation of a desired species in a reversible disulfide exchange reaction. Snyder GH, et al. **Biochim Biophys Acta** 1983 Dec 28;749(3):219–26

A commercially available S-type amylase inhibitor evaluated for determination of amylase isoenzymes in serum. Tietz NW, et al. **Clin Chem** 1984 Jul;30(7):1227–8

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, IX. Isolation and characterization of the inhibitory parts of inter-alpha-trypsin inhibitors from several mammalian sera. Albrecht GJ, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1697–702

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, VII. Determination of the amino-acid sequence of the trypsin-released inhibitor from bovine inter-alpha-trypsin inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1679–87

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, VII. Characterization of the bovine inhibitor as double-headed trypsin-elastase inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1689–96

Homologies in the structures of bull seminal plasma acrosin inhibitors and comparison with other homologous proteinase inhibitors of the Kazal type. Meloun B, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1665–70

A study of salting-out behaviour of egg-white trypsin inhibitor. Sibghatullah, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):259–62

Photoreactive derivative of Kunitz's soybean trypsin inhibitor. Preparation by selective modification of a tryptophan residue and formation of a covalent complex of the modified inhibitor with trypsin. Ramachandran J, et al. **Int J Pept Protein Res** 1984 Jan;23(1):72–7

Amino acid sequences of trypsin-chymotrypsin inhibitors (A-I, A-II, B-I, and B-II) from peanut (Arachis hypogaea): a discussion on the molecular evolution of legume Bowman-Birk type inhibitors. Norioka S, et al. ***J Biochem (Tokyo)*** *1983 Aug;94(2):589–99*

Preliminary crystallographic study of Bowman-Birk protease inhibitor (adzuki bean) and its complex with trypsin. *Tanaka Y, et al.* ***J Biochem (Tokyo)*** *1983 Aug;94(2):611–3*

Amino acid sequence and secondary structural analysis of the corn inhibitor of trypsin and activated Hageman Factor. *Mahoney WC, et al.* ***J Biol Chem*** *1984 Jul 10; 259(13):8412–6*

Amino acid sequence at the reactive site of human alpha 1-antichymotrypsin. *Morii M, et al.* **J Biol Chem** *1983 Nov 10;258(21):12749–52*

Immobilized Bowman-Birk inhibitor for selective isolation of chymotrypsin B from bovine pancreas. Wilimowska-Pelc A, et al. **J Chromatogr** 1983 Oct 21; 269(1):22–7

Nutritional significance of a rice bran concentrate with trypsin inhibitor activity. Maki Z, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):293–302

Harmonic dynamics of proteins: normal modes and fluctuations in bovine pancreatic trypsin inhibitor. Brooks B, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6571–5

Spectrographic representation of globular protein breathing motions. Pickover CA. **Science** 1984 Jan 13;223(4632):181–2

Inhibition of trypsin-like serine proteinases by tripeptide arginyl and lysyl chloromethylketones. Lijnen HR, et al. **Thromb Res** 1984 Jun 1;34(5):431–7

ANALYSIS

Starch blockers: a potential source of trypsin inhibitors and lectins. Liener IE, et al. **Am J Clin Nutr** 1984 Feb; 39(2):196–200

The primary structure of Vipera ammodytes venom trypsin inhibitor I. Ritonja A, et al. **Biochim Biophys Acta** 1983 Nov 14;748(3):429–35

Conformational differences between mouse contrapsin and alpha-1-antitrypsin as studied by ultraviolet absorption and circular dichroism spectroscopy. Takahara H, et al. **Tohoku J Exp Med** 1984 Mar;142(3):261–73

BIOSYNTHESIS

Inter-alpha-trypsin-inhibitor (ITI): two distinct mRNAs in baboon liver argue for a discrete synthesis of ITI and ITI derivatives. Bourguignon J, et al. **FEBS Lett** 1983 Oct 17; 162(2):379–83

BLOOD

Proteinase inhibitors in rat serum. Purification and partial characterization of three functionally distinct trypsin inhibitors. Kuehn L, et al. **Biochem J** 1984 Mar 15; 218(3):953–9

Regulation by sex hormones of serum levels of contrapsin and alpha 1-antiprotease in the mouse. Yamamoto K, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):231–4

Marked increase of plasma acid stable/soluble trypsin inhibitor in hemodialysis patients. Maruyama M, et al. **Clin Chim Acta** 1984 Apr 13;138(2):205–13

Low-molecular-weight proteinase inhibitor in human plasma inhibiting papain and trypsin activity. Takiuchi I, et al. **Experientia** 1984 Aug 15;40(8):846–7

Correlation between serum concentrations of three specific exocrine pancreatic proteins and pancreatic duct morphology at ERCP examinations. Borgström A, et al. **Scand J Gastroenterol** 1984 Mar;19(2):220–7

A radioimmunoassay for rat pancreatic secretory trypsin inhibitor. Marks WH, et al. **Scand J Gastroenterol** 1983 May;18(3):401–5

Pancreatic secretory proteins in sera from rats before and after induction of experimental pancreatitis. Marks WH, et al. **Scand J Gastroenterol** 1984 Jun;19(4):552–60

[Serum pancreatic secretory trypsin inhibitor by radioimmunoassay—experimental and clinical studies] Ishihara S, et al. **Horumon To Rinsho** 1983 Oct; 31(10):1039–46 **(Jpn)**

[Serum pancreatic secretory trypsin inhibitor (PSTI), amylase activity and pancreatic isoamylase activity in pancreatic diseases] Suehiro I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Apr;81(4):1044–9 (Eng. Abstr.) **(Jpn)**

[Basic and clinical evaluation of pancreatic secretory trypsin inhibitor (PSTI) radioimmunoassay kit] Fukushi M, et al. **Radioisotopes** 1984 May;33(5):295–8 **(Jpn)**

[Contrapsin, a novel trypsin inhibitor in the mouse plasma] Takahara H, et al. **Seikagaku** 1983 Dec;55(12):1426–33 **(Jpn)**

[Proteolytic enzyme inhibitors and the antitryptic blood serum capacitance in acute suppurative peritonitis] Protsenko AV, et al. **Klin Khir** 1984 Jun;(6):60–1 **(Rus)**

[Change in the trypsin-binding activity of alpha 2-macroglobulin and the general antitrypsin activity of the blood in chronic pancreatitis] Chernoiarova OD, et al. **Klin Med (Mosk)** 1983 Nov;61(11):88–91 **(Rus)**

[Excretion of cholecystokinin-pancreozymin, state of the trypsin-inhibitory system and free amino acids in the blood in acute cholecystitis] Dudenko GI, et al. **Vrach Delo** 1984 Mar;(3):28–31 (Eng. Abstr.) **(Rus)**

[Quantification of the trypsin-inhibiting capacity in the serum of animals with experimental cancer] Millán Núñez-Cortés J, et al. **Rev Clin Esp** 1983 Nov 15;171(3):201–4 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

'Inverse' type of synthetic inhibitors of trypsin, S-omega-aminoalkyl thioesters. Kunieda T, et al. ***Chem Pharm Bull (Tokyo)*** *1983 Sep;31(9):3360–2*

DIAGNOSTIC USE

Use of trypsin inhibitors to prevent autoactivation in the assay of enterokinase. Green GM. **Clin Chim Acta** 1983 Nov 15; 134(3):363–7

Failure of inhibitor assay to determine isoamylase distribution. Gerstein M, et al. **Dig Dis Sci** 1983 Nov; 28(11):990–2

High-performance affinity chromatography of plasmin and plasminogen on a hydrophilic vinyl-polymer gel coupled with p-aminobenzamidine. Shimura K, et al. **J Chromatogr** 1984 Jun 1;292(2):369–82

[Methods of serum enzyme determination and its clinical significance: amylase inhibitors—with special reference to their application in the quantitative analysis of amylase isoenzymes in the human body fluids] Takagi Y, et al. **Rinsho Byori** 1983 Jun;Suppl 55:61–8 **(Jpn)**

GENETICS

Molecular cloning and analysis of a gene coding for the Bowman-Birk protease inhibitor in soybean. Hammond RW, et al. **J Biol Chem** 1984 Aug 10;259(15):9883–90

On the genetic and structural similarities between the squash seeds polypeptide trypsin inhibitors and wheat germ agglutinin. Siemion IZ, et al. **Mol Cell Biochem** 1984; 60(2):159–61

Plasma protease inhibitors in mouse and man: divergence within the reactive centre regions. Hill RE, et al. **Nature** 1984 Sep 13–19;311(5982):175–7

Isolation of a genomic clone for bovine pancreatic trypsin inhibitor by using a unique-sequence synthetic DNA probe. Anderson S, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6838–42

IMMUNOLOGY

Effect of some chemical modifications of basic pancreatic trypsin inhibitor (BPTI) on its reaction with specific antibody. Prusak E, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(1):103–9

Purification and some properties of a plasma protein which reacts with an antiserum against urinary trypsin inhibitor-1. Maehara S, et al. **Scand J Clin Lab Invest** 1983 Feb; 43(1):21–6

[Human urinary trypsin inhibitor. III. Investigation of plasma protein which reacts with an antiserum against urinary trypsin inhibitor] Maehara S. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1653–60 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Isolation and characterization of a wound-induced trypsin

inhibitor from alfalfa leaves. Brown WE, et al. **Biochemistry** 1984 Jul 17;23(15):3418–22

The use of anhydrotrypsin–Sepharose for isolation of trypsin inhibitors from Vigna unguiculata seeds. Xavier–Filho J, et al. **Braz J Med Biol Res** 1983 Apr;16(1):11–5

Studies on TI–2 trypsin inhibitor of Streptomyces griseus. Mukherjee M. **Can J Biochem Cell Biol** 1983 Nov; 61(11):1228–32

Isolation of urinary trypsin inhibitor–like inhibitor from human lung cancer tissue. Okumichi T, et al. **Cancer Res** 1984 May;44(5):2011–5

Structural differences between trypsin–inhibitors isolated from Cucurbitaceae family seeds: immunological, NMR and CD studies. Szewczuk A, et al. **Hoppe Seylers Z Physiol Chem** 1983 Aug;364(8):941–7

Identification of trypsin inhibitor in bovine pituitary extracts as a survival factor for adult rat hepatocytes in primary culture. Asami O, et al. **J Biochem (Tokyo)** 1984 Feb; 95(2):299–309

Amino acid sequences of trypsin–chymotrypsin inhibitors (A–I, A–II, B–I, and B–II) from peanut (Arachis hypogaea): a discussion on the molecular evolution of legume Bowman–Birk type inhibitors. Norioka S, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):589–99

Amino acid sequences of two trypsin inhibitors from winged bean seeds (Psophocarpus tetragonolobus (L)DC.). Yamamoto M, et al. **J Biochem (Tokyo)** 1983 Sep; 94(3):849–63

[Purification and development of immunoassay of pancreatic enzymes and trypsin inhibitor, and their application to elucidation of pathogenesis of various pancreatic and pancreatic enzyme–producing diseases] Ogawa M. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):744–8 (Eng. Abstr.) **(Jpn)**

[Spectra of circular dichroism of proteinase inhibitors from corn] Shul'mina AI, et al. **Biokhimiia** 1983 Sep; 48(9):1538–41 (Eng. Abstr.) **(Rus)**

[Purification of soybean trypsin inhibitor by an immunosorption method] Fedurkina NV, et al. **Prikl Biokhim Mikrobiol** 1984 Jul–Aug;20(4):452–7 (Eng. Abstr.) **(Rus)**

METABOLISM

On the potential role of trypsin and trypsin inhibitors in acute pancreatitis. Lasson A, et al. **Adv Exp Med Biol** 1984; 167:477–87

The two alpha 2–macroglobulin–bound trypsin molecules have different affinities for the basic pancreatic trypsin inhibitor. Tourbez M, et al. **Biochim Biophys Acta** 1984 Aug 28;789(1):74–9

Immunoreactive pancreatic secretory trypsin inhibitor in gynecological diseases. Murata A, et al. **Res Commun Chem Pathol Pharmacol** 1983 Sep;41(3):493–9

Elimination of pancreatic secretory trypsin inhibitor from the circulation. A study in man. Marks WH, et al. **Scand J Gastroenterol** 1983 Oct;18(7):955–9

Immunocytochemical distribution of trypsinogen and pancreatic secretory trypsin inhibitor in normal and neoplastic tissues in man. Marks WH, et al. **Scand J Gastroenterol** 1984 Jul;19(5):673–6

[Antitryptic and antichymotryptic activity of salivary gland secretions and intestinal contents of the medical leech Hirudo medicinalis] Baskova IP, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):64–6 (Eng. Abstr.) **(Rus)**

[Trypsin inhibitors in soy bean–based food: critical review of thermal destruction kinetics, and analytical methods] Cuevas R, et al. **Arch Latinoam Nutr** 1983 Dec;33(4):902–31 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of synthetic protease inhibitors of the amidine type on cell injury by Rickettsia rickettsii. Walker DH, et al. **Antimicrob Agents Chemother** 1984 May;25(5):582–5

Stimulatory effect of an endogenous peptide in rat pancreatic juice on pancreatic enzyme secretion in the presence of atropine: evidence for different mode of action of stimulation from exogenous trypsin inhibitors. Fushiki T, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):532–7

Structure of the complex of Streptomyces griseus protease B and the third domain of the turkey ovomucoid inhibitor at 1.8–A resolution. Read RJ, et al. **Biochemistry** 1983 Sep 13;22(19):4420–33

Enzymatic properties of alpha 2–macroglobulin–proteinase complexes. Apparent discrimination between covalently and noncovalently bound trypsin by reaction with soybean trypsin inhibitor. Christensen U, et al. **Biochim Biophys Acta** 1983 Sep 28;747(3):263–75

Development of the gastrointestinal mucosal barrier. IV. The effect of inhibition of proteolysis on the uptake of macromolecules by the intestine of the newborn rabbit before and after weaning. Udall JN, et al. **Biol Neonate** 1984;45(6):289–95

Inhibition of trypsin and papain by sodium aurothiomalate mediated by exchange reactions. Griffin MM, et al. **Br J Pharmacol** 1982 Feb;75(2):333–9

Phorbol ester–induced adhesion of murine erythroleukemia cells: possible involvement of cellular proteases. Fibach E, et al. **Carcinogenesis** 1983 Nov;4(11):1395–9

Comparison of the interactions of soya bean protease inhibitors with rat pancreatic enzymes and human trypsin. Temler RS, et al. **Enzyme** 1983;30(2):105–14

Structure–function relationship for Kunitz and Kazal type trypsin inhibitors. Menegatti E, et al. **Farmaco [Sci]** 1983 Dec;38(12):978–97

Elastase inhibition by the inter–alpha–trypsin inhibitor and derived inhibitors of man and cattle. Albrecht GJ, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1703–8

Role of dietary protein in rat pancreatic enzyme secretory response to a meal. Green GM, et al. **J Nutr** 1983 Nov; 113(11):2245–52

The effect of feeding soybean trypsin inhibitor and repeated injections of cholecystokinin on rat pancreas. Temler RS, et al. **J Nutr** 1984 Jun;114(6):1083–91

Response of rat pancreatic proteases to dietary proteins, their hydrolysates and soybean trypsin inhibitor. Temler RS, et al. **J Nutr** 1984 Feb;114(2):270–8

Induction of enterokinase in the rat small intestine following hypersecretion of trypsinogen by chronic trypsin inhibitor feeding. Kai H, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):328–35

Trypsin inhibitor effects on food intake and weight gain in Zucker rats. McLaughlin CL, et al. **Physiol Behav** 1983 Oct;31(4):487–91

Effects of serum from trypsin inhibitor fed rats on enzyme secretion and protein synthesis by exocrine pancreatic cells. Toregard BM, et al. **Scand J Clin Lab Invest** 1983 Dec; 43(8):735–8

Soybean trypsin inhibitors: interactions in humans. Flavin DF. **Vet Hum Toxicol** 1984 Feb;26(1):36–7

[Influence of MR–20, a urinary trypsin inhibitor, on the hemodynamics and the endocrine function of dogs during hemorrhagic shock] Miyahara T. **Masui** 1983 Aug; 32(8):943–55 (Eng. Abstr.) **(Jpn)**

[Covalent immobilization of the pancreatic trypsin inhibitor on a polymeric carrier] Maklakova IA, et al. **Prikl Biokhim Mikrobiol** 1983 Sep–Oct;19(5):654–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Inter–alpha–trypsin inhibitor of human serum: an inhibitor of polymorphonuclear granulocyte elastase. Jochum M, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec; 364(12):1709–15

RADIATION EFFECTS

[Dynamic changes in the trypsin–inhibiting activity in cervical mucus, blood and in the histomorphological structure of the uterus in x–irradiated sheep] Molnárová M, et al. **Vet Med (Praha)** 1983 Oct;28(10):605–12 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

[Antishock effects of urinary trypsin inhibitor, MR–20] Oda T, et al. **Masui** 1984 Feb;33(2):137–42 (Eng. Abstr.) **(Jpn)**

URINE

Urinary trypsin inhibitory capacity determination: study in patients with disseminated cancers. Mizon C, et al. **Bull Cancer (Paris)** 1983;70(4):266–70

Multiple molecular forms of acid–stable plasmin inhibitor derived from human urinary trypsin inhibitor. Sumi H, et al. **Enzyme** 1983;30(4):252–8

[Human urinary trypsin inhibitor. II. Fundamental and clinical investigation of radioimmunoassay of human urinary trypsin inhibitor] Maehara S. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1641–52 (Eng. Abstr.) **(Jpn)**

[Human urinary trypsin inhibitor. I. Purification and physicochemical properties of human urinary trypsin inhibitor] Maehara S. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1627–40 (Eng. Abstr.) **(Jpn)**

[Concentration of acid–stable inhibitors—metabolites of plasma inter–alpha trypsin inhibitor—in the urine of healthy people and in patients with nephrotic syndrome] Ogloblina OG, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):104–8 (Eng. Abstr.) **(Rus)**

TRYPSINOGEN

BLOOD

Effects of food intake and cholecystokinin on plasma trypsinogen levels in dogs. Reidelberger RD, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G543–9

Serum trypsinogen [letter] Andriulli A, et al. **Dig Dis Sci** 1984 May;29(5):479

Serum trypsinogen and pancreatic diseases [letter] Steinberg WM. **Dig Dis Sci** 1984 Feb;29(2):187–8

Relation between serum cathodic trypsinogen levels and exocrine pancreatic function. Andriulli A, et al. **J Clin Gastroenterol** 1984 Jun;6(3):239–44

Early diagnosis of cystic fibrosis: to screen or not to screen—an important question [letter] Farrell PM. **Pediatrics** 1984 Jan;73(1):115–7

GENETICS

Purification and properties of genetic variants of mouse trypsinogen. Watanabe T. **Biochem Genet** 1983 Aug; 21(7–8):761–72

METABOLISM

Development of pancreatic hydrolases in inbred mice. de Caboteau LI, et al. **Acta Physiol Lat Am** 1983;33(2):117–20

Proteolysis of human trypsinogen 1. Pathogenic implication in chronic pancreatitis. Figarella C, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):154–61

Catalytic and ligand binding properties of bovine trypsinogen and its complex with the effector dipeptide Ile–Val. A comparative study. Antonini E, et al. **Mol Cell Biochem** 1984;60(2):163–81

Immunocytochemical distribution of trypsinogen and pancreatic secretory trypsin inhibitor in normal and neoplastic tissues in man. Marks WH, et al. **Scand J Gastroenterol** 1984 Jul;19(5):673–6

SECRETION

Regulation of digestion. I. Effects of glucose and lysine on pancreatic secretion. Grendell JH, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G445–50

Stimulatory effect of an endogenous peptide in rat pancreatic juice on pancreatic enzyme secretion in the presence of atropine: evidence for different mode of action of stimulation from exogenous trypsin inhibitors. Fushiki T, et al. **Biochem Biophys Res Commun** 1984 Jan 30; 118(2):532–7

Induction of enterokinase in the rat small intestine following hypersecretion of trypsinogen by chronic trypsin inhibitor feeding. Kai H, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):328–35

[Diurnal variations in thee pancreatic proteases in th chicken fed with a meal] Rideau N, et al. **Ann Nutr Metab** 1983; 27(5):436–46 (Eng. Abstr.) **(Fre)**

TRYPTAMINE RECEPTORS see **RECEPTORS, SEROTONIN**

TRYPTAMINES

ADMINISTRATION & DOSAGE

Radioprotective and hemodynamic effects of 5–methoxytryptamine following different route of its administration in rats. Kuna P, et al. **Radiobiol Radiother (Berl)** 1983;24(3):365–76

[Radioprotective action of a combination of poly I–poly C and mexamine] Zhulova NA, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):94–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of tryptamine in brain tissue by capillary gas chromatography mass spectrometry (selected ion monitoring). Artigas F, et al. **Biomed Mass Spectrom** 1984 Mar;11(3):142–4

Measurement of endogenous tryptamine in rat brain by capillary column gas chromatography mass spectrometry. Beck O, et al. **Biomed Mass Spectrom** 1984 Apr;11(4):155–8

Monoamine oxidase inhibitors in South American hallucinogenic plants: tryptamine and beta–carboline constituents of ayahuasca. McKenna DJ, et al. **J Ethnopharmacol** 1984 Apr;10(2):195–223

A cryostat–freeze drying technique for enhanced visualization of catecholamine/indoleamine–containing neurons. Garris DR, et al. **Neurosci Lett** 1983 Aug 29; 39(2):113–8

ANTAGONISTS & INHIBITORS

Antagonism by tetrahydro–beta–carboline of the vasoconstrictor responses to tryptamine in rat tail arteries. Hicks PE, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):145–9

Effects of tryptamine antagonists on the anaphylactic contractions of the bovine pulmonary smooth muscles. Ogunbiyi PO, et al. **J Vet Pharmacol Ther** 1984 Jun; 7(2):153–8

Interaction of synthetic opioid metenkephalin peptide analogs, Lilly 127623 and FK 33–824 with indole hallucinogens: antagonism of N,N–dimethyltryptamine– and LSD–induced disruption of food–rewarded bar pressing behavior in the rat. Ruffing DM, et al. **Psychopharmacology (Berlin)** 1983;80(4):315–8

BLOOD

[Determination of arteriovenous differences of methylated indoleamines in brain stem lesions] Zschenderlein R, et al. **Psychiatr Neurol Med Psychol Beih** 1983;29:36–9 **(Ger)**

CEREBROSPINAL FLUID

[Methylated and unmethylated indolamine in the cisternal fluid in acute endogenous psychoses] Uebelhack R, et al. **Biomed Biochim Acta** 1983;42(10):1343–6 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and evaluation of a novel series of N,N–dimethylisotryptamines. Glennon RA, et al. **J Med Chem** 1984 Jan;27(1):41–5

METABOLISM

In vivo metabolism of alpha,alpha,beta,beta–tetradeutero–N, N–dimethyltryptamine in rodent brain. Barker SA, et al.

Biochem Pharmacol 1984 May 1;33(9):1395–400

Characterization of [3H]tryptamine binding sites in brain. Cascio CS, et al. **Eur J Pharmacol** 1983 Nov 11; 95(1–2):31–9

The effect of zimelidine and amitriptyline on the brain concentration of some indolic and phenolic monoamines in the mouse. Juorio AV, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):191–6

On the condensation of tryptamine & indole-3-acetaldehyde. Das PK, et al. **Indian J Biochem Biophys** 1983 Dec; 20(6):390–1

High affinity (3H)tryptamine binding sites in various organs of the rat. Brüning G, et al. **Life Sci** 1984 Apr 9; 34(15):1441–6

Ontogeny of N,N–dimethyltryptamine and related indolealkylamine levels in neonatal rats. Beaton JM, et al. **Mech Ageing Dev** 1984 Jun;25(3):343–7

Tryptamine transport in rat brain slices: a comparison with 5–hydroxytryptamine. Dyck LE. **Neurochem Res** 1984 May;9(5):617–28

[Progress in biochemistry of tetrahydroisoquinolines and beta–carbolines (tryptamines) (review)] Krivchenkova RS. **Vopr Med Khim** 1983 Jul–Aug;29(4):7–16 (91 ref.) **(Rus)**

PHARMACODYNAMICS

The comparative behavioral effects of N,N–dimethyltryptamine and N,N–diethyltryptamine in primate dyads. Heinze WJ, et al. **Biol Psychiatry** 1983 Jul; 18(7):829–36

Failure of 5–methoxytryptamine to evoke the Bezold–Jarisch effect supports homology of excitatory 5–HT receptors on vagal afferents and postganglionic sympathetic neurones. Fozard JR. **Eur J Pharmacol** 1983 Nov 25;95(3–4):331–2

Hyposensitivity to serotonergic stimulation in protein malnourished rats. Hall RD, et al. **Physiol Behav** 1983 Aug; 31(2):187–95

[Effect of cyclic nucleotides on the sensitivity of early sea urchin embryos to cytotoxic neuropharmacological preparations] Shmukler IuB, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):354–5 (Eng. Abstr.) **(Rus)**

TOXICITY

The bacterial mutagenicity of three naturally occurring indoles after reaction with nitrous acid. Gatehouse D, et al. **Mutat Res** 1983 Oct;124(1):35–51

URINE

Capillary column gas–liquid chromatography selected ion monitoring assay for [13C, 15N]N–methyltryptamine in human urine: failure to detect conversion of [13C,15N]tryptamine in schizophrenia patients. Walker RW, et al. **J Chromatogr** 1984 Apr 27;289:223–9

TRYPTOPHAN

The state of the single tryptophyl of the black–eyed pea trypsin and chymotrypsin inhibitor by charge transfer with N–methylnicotinamide chloride. de Oliveira Martin C, et al. **An Acad Bras Cienc** 1983 Jun;55(2):213–8

The stacking interactions in 7–methylguanine–tryptophan systems, a model study for the interaction between the 'cap' structure of mRNA and its binding protein. Ishida T, et al. **Biochem Biophys Res Commun** 1983 Sep 30; 115(3):849–54

Tryptophan emission from myosin subfragment 1: acrylamide and nucleotide effect monitored by decay–associated spectra. Torgerson PM. **Biochemistry** 1984 Jun 19; 23(13):3002–7

Fluorescence quenching of tryptophan by trifluoroacetamide. Midoux P, et al. **Biochim Biophys Acta** 1984 Sep 7; 801(1):16–25

Quenching–resolved emission anisotropy studies with single and multitryptophan–containing proteins. Eftink M. **Biophys J** 1983 Sep;43(3):323–34

Taste thresholds for tryptophan in seven nonhuman primate species. Hobi G, et al. **Folia Primatol (Basel)** 1983; 41(1–2):124–8

Chemiluminescence induced by oxidation of tryptophan by singlet oxygen and by hypochlorous acid. Implications in the luminescence emitted in phagocytosis. Fornier de Violet P, et al. **Photochem Photobiol** 1984 May;39(5):707–12

Picosecond fluorescence decay of tryptophans in myoglobin. Hochstrasser RM, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(14):4399–403

[Tryptophan content of cereal proteins] Wieser H, et al. **Z Lebensm Unters Forsch** 1983;177(6):457–60 (Eng. Abstr.) **(Ger)**

[Study of conformational changes in immunoglobulin M using the method of differential spectroscopy] Kaverzneva ED, et al. **Biokhimiia** 1984 Mar;49(3):495–501 (Eng. Abstr.) **(Rus)**

[Verification of Forster's concept of inductive–resonance energy transfer for the tryptophanyl–pyrene pair] Bekshin NL. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):827–32 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The effects of dietary tryptophan levels on growth and metabolism of rainbow trout (Salmo gairdneri). Walton MJ, et al. **Br J Nutr** 1984 Mar;51(2):279–87

Tryptophan and endogenous asthma. Unge G, et al. **Eur J Respir Dis [Suppl]** 1984;136:175–6

Effects of tryptophan and nicotinamide intakes on in vivo oxidation of tryptophan and excretion of N1–methylnicotinamide in young rats. **Nutr Rev** 1983 Sep; 41(9):286–9 (17 ref.)

ADVERSE EFFECTS

Case report of a toxic reaction from a combination of tryptophan and phenelzine. Thomas JM, et al. **Am J Psychiatry** 1984 Feb;141(2):281–3

ANALOGS & DERIVATIVES

Structure–function studies of N–acyl derivatives of tryptophan that function as specific cholecystokinin receptor antagonists. Jensen RT, et al. **Biochim Biophys Acta** 1983 Dec 27;761(3):269–77

A comparative study of the effect of L–tryptophan and its acetylated derivative N–acetyl–L–tryptophan on rat muricidal behavior. Broderick PA, et al. **Biol Psychiatry** 1984 Jan;19(1):89–94

Role of acyl CoA:cholesterol acyltransferase in cholesterol absorption and its inhibition by 57–118 in the rabbit. Heider JG, et al. **J Lipid Res** 1983 Sep;24(9):1127–34

Quantitative determination of the stabilizers octanoic acid and N–acetyl–DL–tryptophan in human albumin products. Yu MW, et al. **J Pharm Sci** 1984 Jan;73(1):82–6

Membership mutation of the genetic code: loss of fitness by tryptophan. Wong JT. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6303–6

[Clinical efficacy of hepatobiliary scintigraphy using 99m Tc–N–pyridoxyl–5–methyltryptophan (PMT)] Aburano T, et al. **Kaku Igaku** 1983 Apr;20(3):353–60 **(Jpn)**

[Clinical evaluation of 99mTc–(Sn)–N–pyridoxyl–5–methyltryptophan (99mTc–PMT) in diagnosis of hepatoma] Hasegawa Y, et al. **Kaku Igaku** 1983 Nov;20(9):1355–9 (Eng. Abstr.) **(Jpn)**

[Basic and clinical evaluation of hepatobiliary function by 99mTc–pyridoxyl–5–methyl–tryptophan] Morimoto Y, et al. **Kaku Igaku** 1983 Nov;20(9):1361–9 **(Jpn)**

[Quantitative analysis by digital computer with Tc–99m PMT hepatogram in diffuse parenchymal liver diseases] Narabayashi I, et al. **Kaku Igaku** 1984 Jan;21(1):41–4 (Eng. Abstr.) **(Jpn)**

[Hepatobiliary scintigraphy and liver function test with 99mTc–N–pyridoxyl–5–methyltryptophan (99mTc–PMT)] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Oct 25; 43(10):1205–13 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of hepatobiliary scintigraphy using 99mTc–N–pyridoxyl–5–methyltryptophan(99mTc–PMT)] Yoshida H, et al. **Radioisotopes** 1983 Jul;32(7):340–43 **(Jpn)**

ANALYSIS

Picomole analyses of tryptophan by derivatization to 9–hydroxymethyl–beta–carboline. Inoue S, et al. **Anal Biochem** 1983 Jul 15;132(2):468–80

Observations on the reaction of 2–hydroxy–5–nitrobenzyl bromide with a peptide–bound tryptophanyl residue. Lundblad RL, et al. **Anal Biochem** 1984 Jan;136(1):93–100

Destruction of tryptophan residues by hydrogen peroxide in iron–superoxide dismutase. Yamakura F. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):635–41

Excitation energy transfer from tryptophan residues of peptides and intrinsic proteins to diphenylhexatriene in phospholipid vesicles and biological membranes. Le Doan T, et al. **Biochim Biophys Acta** 1983 Nov 9;735(2):259–70

Fluorescence and chemical modification of tryptophan as probes of structure of GTP:AMP phosphotransferase from beef heart mitochondria. Tomasselli AG, et al. **Eur J Biochem** 1983 Nov 2;136(2):297–302

Chemical modifications of Escherichia coli penicillin acylase I, tryptophan involvement at the catalytic site. Mahajan PB, et al. **Hindustan Antibiot Bull** 1983 Feb–May; 25(1–2):6–10

Quantitative double–staining methods for tryptophyl and cysteinyl residues and protein in model films. Nakae Y, et al. **Histochem J** 1984 Jan;16(1):51–9

The effect of ionizing radiation on tryptophan fluorescence of thymocyte and erythrocyte plasma membranes. Fomenko BS, et al. **Int J Radiat Biol** 1983 Sep;44(3):307–11

Studies on the chemical modification of tryptophan residues in thermolysin and in talopeptin (MKI) with N–bromosuccinimide. Kitagishi K, et al. **J Biochem (Tokyo)** 1983 Jul;94(1):129–35

Simultaneous measurement of tyrosine, tryptophan and related monoamines for determination of neurotransmitter turnover in discrete rat brain regions by liquid chromatography with electrochemical detection. Lasley SM, et al. **J Chromatogr** 1984 Jan 13;305(1):27–42

Postmortem and regional changes of serotonin, 5–hydroxyindoleacetic acid, and tryptophan in brain. McIntyre IM, et al. **J Neurochem** 1984 Jun;42(6):1588–92

Increase of tryptophan and 5–hydroxyindole acetic acid in the brain of ornithine carbamoyltransferase deficient sparse–fur mice. Bachmann C, et al. **Pediatr Res** 1984 Apr; 18(4):372–5

Intramolecular tryptophan heme energy transfer in horseradish peroxidase. Brunet JE, et al. **Photochem Photobiol** 1983 Aug;38(2):253–4

Intrinsic phosphorescence from proteins in the solid state. Strambini GB, et al. **Photochem Photobiol** 1984 Jun; 39(6):725–9

Structure of human hemopexin: O–glycosyl and N–glycosyl sites and unusual clustering of tryptophan residues. Takahashi N, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):2021–5

[Study of the equilibrium dynamics of cell protein structure using the tryptophan fluorescence method at room temperature] Mazhul' VM, et al. **Biofizika** 1983 Nov–Dec; 28(6):980–4 (Eng. Abstr.) **(Rus)**

[Polarization of intrinsic fluorescence of proteins. III. Intramolecular submobility of tryptophan residues] Kuznetsova IM, et al. **Mol Biol (Mosk)** 1983 Jul–Aug; 17(4):741–54 (Eng. Abstr.) **(Rus)**

[Characterization of corn proteins of the cultivars Venezuela–1, Arichuna, Obregon and Venezuela–1 Opaque–2] Ortiz de Bertorelli L, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):539–56 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Cloning of a gene required for tryptophan biosynthesis from Leptospira biflexa serovar patoc into Escherichia coli. Yelton DB, et al. **Gene** 1984 May;28(2):147–52

Impact of isozymes upon partitioning of carbon flow and regulation of aromatic biosynthesis in prokaryotes. Byng GS, et al. **Isozymes Curr Top Biol Med Res** 1983;8:115–40

Effect of dnaA and rpoB mutations on attenuation in the trp operon of Escherichia coli. Atlung T, et al. **J Bacteriol** 1983 Dec;156(3):985–92

Tryptophan auxotrophs of Rhizobium japonicum. Wells SE, et al. **J Bacteriol** 1983 Dec;156(3):1356–8

Cloning of tryptophan biosynthetic genes of yeast in yeast. Construction of composite plasmid carrying all five structural genes. Hütter R, et al. **Riv Biol** 1983 Summer; 76(2):207–16

BLOOD

Toluene–induced decrease in rat plasma concentrations of tyrosine and tryptophan. Voog L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):151–3

Diurnal variation of total plasma tryptophan in depressive patients. Dam H, et al. **Acta Psychiatr Scand** 1984 Mar; 69(3):190–6

Tryptophan and tyrosine availability: relation to clinical response to antidepressive pharmacotherapy. Møller SE, et al. **Adv Biochem Psychopharmacol** 1984;39:319–26 (21 ref.)

Determination of tryptophan in total serum and in an ammonium sulfate precipitated fraction. Velázquez A, et al. **Arch Invest Med (Mex)** 1983 Apr–Jun;14(2):191–98 **(Eng, Spa)**

Graphical analysis of competitive binding of comparable concentrations of ligand, inhibitor and protein. Ligand binding to serum albumin. Kragh–Hansen U. **Biochem Pharmacol** 1983 Sep 15;32(18):2679–81

Free tryptophan response to intravenous insulin in depressed patients. Menna–Perper M, et al. **Biol Psychiatry** 1983 Jul; 18(7):771–80

Changes of the plasma tryptophan to neutral amino acids ratio in formula–fed infants: possible effects on brain development. Dörner G, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):368–71

Determination of free tryptophan in plasma and its clinical applications. Hijikata Y, et al. **J Clin Chem Clin Biochem** 1984 Apr;22(4):291–9

The treatment of obesity by carbohydrate deprivation suppresses plasma tryptophan and its ratio to other large neutral amino acids. Heraief E, et al. **J Neural Transm** 1983; 57(3):187–95

Serum tryptophan in humans with senile cataracts. Libondi T, et al. **Metab Pediatr Syst Ophthalmol** 1983;7(2):75–9

Blood serotonin and free tryptophan concentration in autistic children. Hoshino Y, et al. **Neuropsychobiology** 1984; 11(1):22–7

Plasma L–tryptophan/neutral amino acid ratio and dexamethasone suppression in depression. Joseph MS, et al. **Psychiatry Res** 1984 Mar;11(3):185–92

Biochemical correlates of antidepressant response. Results of a trazodone versus amitriptyline trial. Healy D, et al. **Psychopathology** 1984;17 Suppl 2:82–7

[Urinary excretion of 5–hydroxyindoleacetic acid and serum tryptophan and serotonin levels in patients with depression] Pietruszewska I, et al. **Psychiatr Pol** 1984 Jan–Feb; 18(1):9–16 (Eng. Abstr.) **(Pol)**

[Tryptophan fluorescence of erythrocyte ghosts following irradiation and Fe2+ initiation of lipid peroxidation] Fomenko BS. **Radiobiologiia** 1983 Sep–Oct;23(5):607–11 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Monoamine metabolites in human cerebrospinal fluid. HPLC/ED method. Mena MA, et al. **Acta Neurol Scand** 1984 Apr;69(4):218–25

Tryptophan levels in human cerebrospinal fluid after acute and chronic ethanol consumption. Beck O, et al. **Drug Alcohol Depend** 1983 Nov;12(3):217–22

Simultaneous determination of tryptophan and its 5–hydroxy metabolites in human cerebrospinal fluid by reversed phase

liquid chromatography with electrochemical detection. Laakso JT, et al. **Scand J Clin Lab Invest** 1983 Oct; 43(6):463–72

DEFICIENCY

Factors affecting dietary requirement and deficiency signs of L-tryptophan in rainbow trout. Poston HA, et al. **J Nutr** 1983 Dec;113(12):2568–77

Effects of dietary picolinate on mice deprived of tryptophan, niacin and vitamin B-6. van Winkle LJ, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):701–7

Low tryptophan diets delay reproductive aging. Segall PE, et al. **Mech Ageing Dev** 1983 Nov–Dec;23(3–4):245–52

Tryptophan deprivation: effects on mouse-killing and reactivity in the rat. Vergnes M, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:19–23

[Postopertiva delirium. A stress reaction due to cerebral tryptophan deficiency? Report of a case successfully treated with tryptophan] Skaug OE. **Tidsskr Nor Laegeforen** 1984 Jan 20;104(2):97–8 (Eng. Abstr.) **(Nor)**

GENETICS

Lifespan and protein synthesis in several Bombyx mori mutants with genetic abnormalities in amino acid and protein metabolism. Osanai M. **Exp Gerontol** 1983; 18(5):383–91

The use of a partition locus to increase stability of tryptophan-operon-bearing plasmids in Escherichia coli. Skogman G, et al. **Gene** 1983 Aug;23(2):105–15

Expression plasmid vectors containing Escherichia coli tryptophan promoter transcriptional units lacking the attenuator. Tacon WC, et al. **Gene** 1983 Sep;23(3):255–65

Translational coupling of the trpB and trpA genes in the Escherichia coli tryptophan operon. Aksoy S, et al. **J Bacteriol** 1984 Feb;157(2):363–7

Post-translational modification of a tryptophan biosynthetic enzyme. Precursor-product relationships in vivo and carbon-energy source dependence. Mosteller RD, et al. **J Biol Chem** 1983 Nov 10;258(21):12793–6

Nucleotide sequence of the trpD and trpC genes of Salmonella typhimurium. Horowitz H, et al. **J Mol Biol** 1983 Oct 5;169(4):775–97

Genetic analysis of the tryptophan operon regulatory region using site-directed mutagenesis. Kolter R, et al. **J Mol Biol** 1984 May 25;175(3):299–312

Molecular cloning and sequence analysis of trp-lac fusion deletions. Yu XM, et al. **J Mol Biol** 1984 Jan 25; 172(3):355–62

A ribosome binding site sequence is necessary for efficient expression of the distal gene of a translationally-coupled gene pair. Das A, et al. **Nucleic Acids Res** 1984 Jun 11; 12(11):4757–68

Membership mutation of the genetic code: loss of fitness by tryptophan. Wong JT. **Proc Natl Acad Sci USA** 1983 Oct; 80(20):6303–6

ISOLATION & PURIFICATION

Selective isolation of tryptophan-containing peptides by hydrophobicity modulation. Sasagawa T, et al. **Anal Biochem** 1983 Oct 1;134(1):224–9

Tryptophan residues and the sugar binding site of potato lectin. Jimbo A, et al. **J Biochem (Tokyo)** 1984 Jan; 95(1):267–75

METABOLISM

Effects of sodium fluxes and ouabain on brain-slice tryptophan transport. Korpi ER. **Acta Physiol Scand** 1983 May;118(1):51–5

Site of 3-methylindole and indole absorption in steers after ruminal administration of L-tryptophan. Hammond AC, et al. **Am J Vet Res** 1984 Jan;45(1):171–4

Net absorption of 3-methylindole and indole in cattle after oral administration of L-tryptophan. Hammond AC, et al. **Am J Vet Res** 1983 Nov;44(11):2195–9

High-fat diets increase tryptophan availability to the brain: importance of choice of the control diet [letter] Badawy AA, et al. **Biochem J** 1984 Feb 1;217(3):863–4

High-fat diets need not increase tryptophan availability to the brain: importance of the choice of the control diet [letter] Brindley DN, et al. **Biochem J** 1984 Feb 1;217(3):865

Ethanol-induced increase in liver tryptophan oxygenase activity in the starved rat: evidence against tryptophan mediation. Stowell L, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2397–405

Inhibition of tryptophan metabolism by oestrogens in the rat: a factor in the aetiology of pellagra. Bender DA, et al. **Br J Nutr** 1984 Mar;51(2):219–24

The tryptophan requirement of the kitten. Hargrove DM, et al. **Br J Nutr** 1983 Sep;50(2):487–93

Regulation of cerebral kynurenine and 5-hydroxyindole pathways during tryptophan loading. Rizza V, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:139–42

Distribution of tryptophan metabolites in the organs of mice. Suzuki M, et al. **Chem Pharm Bull (Tokyo)** 1983 May; 31(5):1761–4

An investigation of the mechanism of activation of tryptophan by tryptophanyl-tRNA synthetase from beef pancreas. Lowe G, et al. **Eur J Biochem** 1984 Feb 1; 138(3):597–602

Changes in the DNA breakage and crystallin synthesis of embryonic chicken lenses cultured in a tryptophan-deficient medium. Counis MF, et al. **Exp Eye Res** 1984 Jan;38(1):1–6

A comparative study of tryptophan metabolism in skins and livers of black and albino rats. Chakraborty C, et al. **Experientia** 1984 Apr 15;40(4):363

Interaction of a tryptophan-containing peptide with chromatin core particles. A fluorescence study. Colot V, et al. **FEBS Lett** 1984 Apr 24;169(2):205–10

Influence of DNA binding on the formation and reactions of tryptophan and tyrosine radicals in peptides and proteins. Casas-Finet JR, et al. **Int J Radiat Biol** 1984 Feb; 45(2):119–32

Repression is relieved before attenuation in the trp operon of Escherichia coli as tryptophan starvation becomes increasingly severe. Yanofsky C, et al. **J Bacteriol** 1984 Jun;158(3):1018–24

Tryptophan metabolism in analbuminemic rats. Emori T, et al. **J Biochem (Tokyo)** 1983 Sep;94(3):623–32

The heparin-binding site of antithrombin III. Identification of a critical tryptophan in the amino acid sequence. Blackburn MN, et al. **J Biol Chem** 1984 Jan 25; 259(2):939–41

Close range interactions between nucleotide bases and tryptophan residues in an Escherichia coli single-stranded DNA binding protein-mercurated poly(uridylic acid) complex. A study by optically detected magnetic resonance spectroscopy. Cha TA, et al. **J Biol Chem** 1984 Jan 25; 259(2):1105–9

Enzymatic dehydrogenation of tryptophan residues of human globins by tryptophan side chain oxidase II. Takai K, et al. **J Biol Chem** 1984 Apr 10;259(7):4452–7

High doses of vitamin B6 in the rat are associated with inhibition of hepatic tryptophan metabolism and increased uptake of tryptophan into the brain. Bender DA, et al. **J Neurochem** 1984 Sep;43(3):733–6

Characteristics of tryptophan accumulation by isolated rat forebrain synaptosomes. Knowles RG, et al. **J Neurochem** 1984 Mar;42(3):663–9

Tryptophan uptake and hydroxylation in rat forebrain synaptosomes. Knowles RG, et al. **J Neurochem** 1984 Mar; 42(3):677–84

Opposite effects of extracellular sodium removal on the uptake of tryptophan into rat cortical slices and synaptosomes. Wilkinson LS, et al. **J Neurochem** 1984 Jul; 43(1):274–5

Effects of chronic ethanol feeding on the metabolism of tryptophan and nicotinamide in rats. Forchette CA, et al. **J Nutr** 1983 Oct;113(10):1936–45

Failure of dietary leucine to influence the tryptophan-niacin pathway in the chicken. Penz AM Jr, et al. **J Nutr** 1984 Jan;114(1):33–41

Utilization of dietary tryptophan in iron-deficient rats. Sharma DC, et al. **J Nutr** 1984 Aug;114(8):1518–20

Picolinic acid in acrodermatitis enteropathica: evidence for a disorder of tryptophan metabolism. Krieger I, et al. **J Pediatr Gastroenterol Nutr** 1984;3(1):62–8

Family exhibiting cerebellar-like ataxia, photosensitivity and shortness of stature – a new inborn error of tryptophan metabolism. Fenton DA, et al. **J R Soc Med** 1983 Sep; 76(9):736–9

Increased tryptophan uptake into the brain in hyperammonemia. Bachmann C, et al. **Life Sci** 1983 Dec 12;33(24):2417–24

Biochemistry of tryptophan in health and disease. Bender DA. **Mol Aspects Med** 1983;6(2):101–97 (354 ref.)

Utilization of tyrosine and tryptophan for protein synthesis by undernourished developing rat brain. Kalyanasundaram S, et al. **Neurochem Res** 1983 Nov;8(11):1471–80

Evidence that stress augments morphine analgesia by increasing brain tryptophan. Kelly SJ, et al. **Neurosci Lett** 1984 Feb 24;44(3):305–10

Niacin and tryptophan requirements of mule ducklings fed corn and soy-based diets. Wu LS, et al. **Poult Sci** 1984 Jan;63(1):153–8

Interferon gamma blocks the growth of Toxoplasma gondii in human fibroblasts by inducing the host cells to degrade tryptophan. Pfefferkorn ER. **Proc Natl Acad Sci USA** 1984 Feb;81(3):908–12

L-tryptophan: a common denominator of biochemical and neurological events of acute hepatic porphyria? Litman DA, et al. **Science** 1983 Dec 2;222(4627):1031–3

Tryptophan metabolism in liver cirrhosis: influence of oral antibiotics on neuropsychiatric symptoms. Yoshida K, et al. **Tohoku J Exp Med** 1984 Jan;142(1):35–41

Effects of T-2 toxin on glucose and tryptophan uptake and intestinal mucosal enzymes. Suneja SK, et al. **Toxicon** 1984; 22(1):39–43

[Determination of urinary xanthurenic acid after oral loading of L-tryptophan in 88 cases of photodermatosis] Jeanmougin M, et al. **Sem Hop Paris** 1984 Mar 29; 60(14):967–72 (Eng. Abstr.) **(Fre)**

[Tryptophan metabolism in porphyria cutanea tarda] Calandra P. **G Ital Dermatol Venereol** 1984 May–Jun; 119(3):161–3 **(Ita)**

[Fluorescence of the synovial fluid and tryptophan metabolism] Igari T. **Ryumachi** 1984 Apr;24(2):77–9 **(Jpn)**

[Cloning in Bacillus subtilis cells of the Bacillus mesentericus genes that determine the enzyme synthesis of tryptophan metabolism] Malkov SV, et al. **Genetika (Moskva)** 1983 Nov;19(11):1753–9 (Eng. Abstr.) **(Rus)**

[Changes in the state of tryptophan residues in T4 phage lysozyme during binding to a competitive inhibitor] Vedenkina NS, et al. **Mol Biol (Mosk)** 1984 Mar–Apr; 18(2):362–9 (Eng. Abstr.) **(Rus)**

[Tryptophan metabolism in children with epilepsy] Narbona López E, et al. **An Esp Pediatr** 1984 Mar 15;20(4):361–7 (Eng. Abstr.) **(Spa)**

[Tryptophan in hepatic encephalopathy] Esquivel López A, et al. **Rev Gastroenterol Mex** 1983 Apr–Jun;48(2):91–4 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The influence of starvation and tryptophan administration on the metabolism of phenylalanine, tyrosine and tryptophan in isolated rat liver cells. Salter M, et al. **Biochem J** 1984 Jul 15;221(2):431–8

Kynurenine metabolism in vitamin-B-6-deficient rat liver after tryptophan injection. Takeuchi F, et al. **Biochem J** 1984 Jun 15;220(3):693–9

Teratogenic effects of cholinergic insecticides in chick embryos—IV. The role of tryptophan in protecting against limb deformities. Byrne DH, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2881–90

Antihypertensive effects of L-tryptophan are not mediated by brain serotonin. Wolf WA, et al. **Brain Res** 1984 Mar 19;295(2):356–9

The differential effect of intragastric and intravenous tryptophan on plasma glucose, insulin, glucagon, GLI and GIP in the fasted rat. Tsiolakis D, et al. **Horm Metab Res** 1984 May;16(5):226–9

Effect of tryptophan on informosomal and polyribosome-associated messenger RNA in rat liver. Garrett CT, et al. **J Nutr** 1984 Jan;114(1):50–7

Effects of L-tryptophan on blood pressure in normotensive and hypertensive rats. Wolf WA, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):324–9

Effects of L-tryptophan on sleepiness and on sleep. Hartmann E. **J Psychiatr Res** 1982–83;17(2):107–13 (14 ref.)

Diet-induced mood changes in normal populations. Leathwood PD, et al. **J Psychiatr Res** 1982–83;17(2):147–54 (22 ref.)

Mood, performance, and pain sensitivity: changes induced by food constituents. Lieberman HR, et al. **J Psychiatr Res** 1982–83;17(2):135–45 (32 ref.)

Activation of liver tryptophan oxygenase by hydrocortisone, hematin and tryptophan in streptozotocin-diabetic rats. Sadler EM, et al. **Life Sci** 1984 Apr 2;34(14):1365–70

Phenotypic suppression of opal mutants by L-tryptophan. Sambol AR, et al. **Microbios** 1984;39(155):19–27

The regulation of 5-hydroxytryptamine release from superfused synaptosomes by 5-hydroxytryptamine and its immediate precursors. Suter HA, et al. **Neurochem Res** 1983 Jun;8(6):723–30

L-tryptophan injection fails to alter nutrient selection by rats. Peters JC, et al. **Physiol Behav** 1984 Feb;32(2):253–9

Tyrosine and tryptophan influence on tonic immobility in the chicken. Lacy MP, et al. **Poult Sci** 1984 Jan; 63(1):176–81

The effects of tryptophan and tyrosine on human mood and performance. Lieberman HR, et al. **Psychopharmacol Bull** 1984 Summer;20(3):595–8

Tryptophan potentiation of the late cysteine preventive effects in carbon tetrachloride-induced necrosis. de Ferreyra EC, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jun;40(3):515–8

Effect of L-tryptophan pretreatment on d-amphetamine self administration. Lyness WH. **Subst Alcohol Actions Misuse** 1983;4(4):305–12

[Effect of L-tryptophan, nicotinamide, L-methionine and 1-methylnicotinamide on the embryotoxic effect of various substances] Kröger H, et al. **Arzneimittelforsch** 1983; 33(7):915–9 (Eng. Abstr.) **(Ger)**

[Effect of L-tryptophan on analgesia produced by stimulation of the periaqueductal gray matter] Broseta J, et al. **Arch Neurobiol (Madr)** 1983 Jul–Aug;46(4):251–6 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Doxycycline induced photodamage to human neutrophils and tryptophan. Sandberg S, et al. **Photochem Photobiol** 1984 Jan;39(1):43–8

THERAPEUTIC USE

Effect of L-tryptophan supplementation on ischemic pain. Nurmikko T, et al. **Acupunct Electrother Res** 1984; 9(1):45–55

L-tryptophan in the treatment of impaired respiration in sleep. Schmidt HS. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):625–9

The effects of dietary tryptophan on chronic maxillofacial pain and experimental pain tolerance. Seltzer S, et al. **J Psychiatr Res** 1982–83;17(2):181–6 (14 ref.)

l-Tryptophan in hyperactive child syndrome associated with epilepsy: a controlled study. Ghose K. **Neuropsychobiology** 1983;10(2–3):111–4

Treatment of premenstrual dysphoric changes: clinical outcome and methodological implications. Harrison WM, et al. **Psychopharmacol Bull** 1984 Winter;20(1):118–22

Studies in the mechanism of action of serotonin precursors in depression. van Praag HM. **Psychopharmacol Bull** 1984 Summer;20(3):599–602

Selectivity in response to L-tryptophan among insomniac subjects: a preliminary report. Lindsley JG, et al. **Sleep** 1983;6(3):247–56

TOXICITY

The bacterial mutagenicity of three naturally occurring indoles after reaction with nitrous acid. Gatehouse D, et al. **Mutat Res** 1983 Oct;124(1):35–51

URINE

[Tryptophan metabolic disorder—1 of the criteria for forming groups at high risk for spontaneous bladder cancer] Prianichnikova MB. **Urol Nefrol (Mosk)** 1984 Jul–Aug; (4):61–5 (Eng. Abstr.) **(Rus)**

TRYPTOPHAN HYDROXYLASE

ANALYSIS

Serotonin and tryptophan hydroxylase in isolated hypothalamic and brain stem nuclei of rats exposed to acute and repeated immobilization stress. Culman J, et al. **Exp Clin Endocrinol** 1984 Mar;83(1):28–36

Assay of tryptophan hydroxylase and aromatic L-amino acid decarboxylase based on rapid separation of the reaction product by high performance liquid chromatography. Hasegawa H, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1751–8

BIOSYNTHESIS

Effect of oxygen on the induction of tryptophan hydroxylase by adrenergic agents in organ cultures of rat pineal glands. Sitaram BR, et al. **J Neurochem** 1984 Apr;42(4):1183–5

DEFICIENCY

Deficiency of tyrosine hydroxylase or tryptophan hydroxylase: a possible cause of two hypothetical metabolic diseases. Bartholomé K. **Acta Paediatr Scand** 1983 Nov; 72(6):921–2

METABOLISM

Tryptophan hydroxylase in hippocampus and midbrain following unilateral injection of 5,7-dihydroxytryptamine. Clewans CS, et al. **Brain Res** 1984 Jul 30;307(1–2):125–33

Tryptophan hydroxylase and 5-HTP-decarboxylase activity in cockroach brain and the effects of p-chlorophenylalanine and 3-hydroxybenzylhydrazine (NSD-1015). Pandey A, et al. **Brain Res** 1983 Aug 22; 273(1):67–70

Activities of tryptophan-metabolizing enzymes in liver and brain of rats treated with aflatoxins. Weekley LB, et al. **Food Chem Toxicol** 1984 Jan;22(1):65–8

Scattering kinetics in a complex tryptophan hydroxylase preparation from rat brainstem raphe nuclei: statistical evidence that the lithium-induced sigmoid velocity function reflects two states of available catalytic potential. Knapp S, et al. **J Neural Transm** 1983;58(3–4):169–82

TRYPTOPHAN MONOOXYGENASE see **TRYPTOPHAN HYDROXYLASE**

TRYPTOPHAN OXYGENASE

L-tryptophan 2,3-dioxygenase of a moderate thermophile, Bacillus brevis. Purification, properties and a substrate-mediated stabilization of the quaternary structure. Matsumura M, et al. **Biochim Biophys Acta** 1984 Apr 27; 786(1–2):9–17

ANTAGONISTS & INHIBITORS

Inhibition of indoleamine 2,3-dioxygenase and tryptophan 2,3-dioxygenase by beta-carboline and indole derivatives. Eguchi N, et al. **Arch Biochem Biophys** 1984 Aug 1; 232(2):602–9

BIOSYNTHESIS

Ethanol-induced increase in liver tryptophan oxygenase activity in the starved rat: evidence against tryptophan mediation. Stowell L, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2397–405

Effect of propranolol and cycloheximide on the ethanol-induced increase in liver tryptophan oxygenase activity in starved rats. Stowell L, et al. **Biochim Biophys Acta** 1984 Aug 21;800(3):228–32

GENETICS

Isolation and characterization of the rat tryptophan oxygenase gene. Schmid W, et al. **EMBO J** 1982; 1(10):1287–93

Hormonal regulation of translatable mRNA of tryptophan 2,3-dioxygenase in primary cultures of adult rat hepatocytes. Niimi S, et al. **J Biochem (Tokyo)** 1983 Nov; 94(5):1697–706

Steroid controlled expression of the chicken lysozyme and the rat tryptophan oxygenase gene after transfer into eukaryotic cells. Renkawitz R, et al. **J Steroid Biochem** 1984 Jan;20(1):99–104

METABOLISM

Determination of tryptophan pyrrolase activity in rat liver homogenates [letter] Badawy AA, et al. **Biochem J** 1983 Dec 1;215(3):709–10

Determination of tryptophan oxygenase activity in rat liver homogenates [letter] Stowell L, et al. **Biochem J** 1984 Jul 15;221(2):557–8

Activities of tryptophan-metabolizing enzymes in liver and brain of rats treated with aflatoxins. Weekley LB, et al. **Food Chem Toxicol** 1984 Jan;22(1):65–8

Activation of liver tryptophan oxygenase by hydrocortisone, hematin and tryptophan in streptozotocin-diabetic rats. Sadler EM, et al. **Life Sci** 1984 Apr 2;34(14):1365–70

Acute ethanol effects on rat liver tryptophan oxygenase and tyrosine aminotransferase. Rouach H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:139–43

Effect of streptozotocin-induced diabetes on tryptophan oxygenase activity and brain tryptophan levels in rats. Sadler E, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct;42(1):37–50

TRYPTOPHAN PYRROLASE see **TRYPTOPHAN OXYGENASE**

TRYPTOPHAN SYNTHASE

BIOSYNTHESIS

The mechanism of self-assembly of the multi-enzyme complex tryptophan synthase from Escherichia coli. Lane AN, et al. **EMBO J** 1984 Feb;3(2):279–87

GENETICS

Comparison of denaturation of tryptophan synthase alpha-subunits from Escherichia coli, Salmonella typhimurium, and an interspecies hybrid. Yutani K, et al. **Arch Biochem Biophys** 1984 Mar;229(2):448–54

Tryptophan auxotrophs of Rhizobium japonicum. Wells SE, et al. **J Bacteriol** 1983 Dec;156(3):1356–8

IMMUNOLOGY

Some monoclonal antibodies raised with a native protein bind preferentially to the denatured antigen. Friguet B, et al. **Mol Immunol** 1984 Jul;21(7):673–7

ISOLATION & PURIFICATION

The tryptophan synthase alpha 2 beta 2 complex: a comparison of the reactivity of amino groups in the alpha and beta 2 subunits and in the complex by differential labeling studies. Miles EW, et al. **Arch Biochem Biophys** 1984 May 1;230(2):430–9

Fluorescence-quenching studies on a conformational transition within a domain of the beta 2 subunit of Escherichia coli tryptophan synthase. Chaffotte AF, et al. **Eur J Biochem** 1984 Feb 15;139(1):47–50

High-pressure dissociation of the beta 2-dimer of tryptophan synthase from Escherichia coli monitored by sucrose gradient centrifugation. Seifert T, et al. **FEBS Lett** 1984 Aug 6;173(2):381–4

METABOLISM

Structural and functional influence of enzyme-antibody interactions: effects of eight different monoclonal antibodies on the enzymatic activity of Escherichia coli tryptophan synthase. Djavadi-Ohaniance L, et al. **Biochemistry** 1984 Jan 3;23(1):97–104

L-serine binds to arginine-148 of the beta 2 subunit of Escherichia coli tryptophan synthase. Tanizawa K, et al. **Biochemistry** 1983 Jul 19;22(15):3594–603

Structural and functional alterations of E. coli tryptophan synthase upon binding of pyridoxal 5'-phosphate. Bartholmes P. **Prog Clin Biol Res** 1984;144A:309–17

Phosphorus-31 nuclear magnetic resonance studies on four pyridoxal 5'-phosphate dependent enzymes. Schnackerz KD. **Prog Clin Biol Res** 1984;144A:195–208

TRYPTOPHAN SYNTHETASE see **TRYPTOPHAN SYNTHASE**

TRYPTOPHANASE see under **LYASES**

TRYPTOPHANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TSETSE FLIES

Infection, immunity and the development of local skin reactions in rabbits infected with cyclically-transmitted stocks of Trypanosoma congolense. Luckins AG, et al. **Ann Trop Med Parasitol** 1983 Dec;77(6):569–82

The distribution of tsetse flies and the disease they transmit to humans in Zimbabwe. Lovemore DF. **Cent Afr J Med** 1983 Aug;29(8):155–7

Parasite development and host responses during the establishment of Trypanosoma brucei infection transmitted by tsetse fly. Barry JD, et al. **Parasitology** 1984 Feb;88 (Pt 1):67–84

The acquisition of human serum resistance during cyclical passage of a Trypanosoma brucei brucei clone through Glossina morsitans morsitans maintained on human serum [letter] Rickman LR, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):284

Tsetse and trypanosomiasis survey of Southern Darfur Province, Sudan. I. Bovine trypanosomiasis. Hall MJ, et al. **Trop Anim Health Prod** 1983 Nov;15(4):191–206

[Efficacy of barriers made from screens or biconical traps impregnated with DDT, deltamethrin or dieldrin against Glossina palpalis gambiensis and Glossina tachinoides] Cuisance D, et al. **Rev Elev Med Vet Pays Trop** 1983; 36(2):159–68 (Eng. Abstr.) **(Fre)**

[Attempt to control Glossina morsitans submorsitans using screens impregnated with deltamethrin] Schoenefeld A. **Rev Elev Med Vet Pays Trop** 1983;36(1):33–44 (Eng. Abstr.) **(Fre)**

GENETICS

Variations in the mitotic chromosome of Glossina morsitans centralis in Zambia. Bushrod FM. **Trans R Soc Trop Med Hyg** 1984;78(2):259

METABOLISM

Change in levels of cyclic AMP and cyclic GMP during pregnancy and larval development of the tsetse fly, Glossina morsitans. Denlinger DL, et al. **Comp Biochem Physiol [C]** 1984;77(2):233–6

PARASITOLOGY

Comparative study of the susceptibility to infection with Trypanosoma simiae of Glossina morsitans and G. tachinoides. Agu WE. **Acta Trop (Basel)** 1984 Jun; 41(2):131–4

Increased sensitivity to a natural pyrethrum extract of Trypanosoma-infected Glossina morsitans. Golder TK, et al. **Acta Trop (Basel)** 1984 Mar;41(1):77–9

Trypanosoma vivax, T. congolense or T. brucei infection rates in Glossina morsitans when maintained in vitro on the blood of goat or calf. Moloo SK. **Acta Trop (Basel)** 1984 Mar;41(1):45–9

Recent observations on the behaviour of certain trypanosomes within their insect hosts. Evans DA, et al. **Adv Parasitol** 1983;22:1–42 (80 ref.)

Vector—parasite relationships: the effect of Trypanosoma (Nannomonas) congolense on Glossina pallidipes. Kaddu JB, et al. **Ann Trop Med Parasitol** 1983 Jun;77(3):315–20

Inadequacy of the dissection method of estimating trypanosome infection rates. Otieno LH. **Ann Trop Med Parasitol** 1983 Jun;77(3):329–30

The tsetse fly Glossina fuscipes in the sleeping sickness epidemic area of Busoga, Uganda. Katabazi BK. **East Afr Med J** 1983 Jun;60(6):397–401

Resistance of cattle to tsetse-transmitted challenge with Trypanosoma brucei or Trypanosoma congolense after spontaneous recovery from syringe-passaged infections. Nantulya VM, et al. **Infect Immun** 1984 Feb;43(2):735–8

Trypanosoma brucei rhodesiense: mechanical transmission by tsetse, Glossina morsitans (Diptera: Glossinidae), in the laboratory. Gingrich JB, et al. **J Med Entomol** 1983 Nov 30;20(6):673–6

Mechanical transmission of Leishmania major by Glossina morsitans morsitans (Diptera: Glossinidae). Lightner L, et al. **J Med Entomol** 1984 Mar 30;21(2):243

Antigenic variation during the developmental cycle of Trypanosoma brucei. Hajduk SL. **J Protozool** 1984 Feb; 31(1):41–7 (46 ref.)

The effect of isometamidium chloride on Trypanosoma vivax occurring within the insect vector (Glossina). Agu WE. **Z Parasitenkd** 1984;70(4):431–5

Serum factors and the maturation of Trypanosoma congolense infections in Glossina morsitans. Maudlin I, et al. **Z Parasitenkd** 1984;70(1):11–9

PHYSIOLOGY

Investigations on development of an artificial diet for in vitro rearing of Glossina palpalis palpalis (Diptera: Glossinidae). Deloach JR, et al. **J Econ Entomol** 1983 Oct;76(5):1112–7

The distribution of Glossina morsitans subspecies in Zambia [letter] Bushrod FM, et al. **Trans R Soc Trop Med Hyg** 1983;77(3):424

Tsetse feeding habits in an area of endemic sleeping sickness in southern Sudan [letter] Snow WF. **Trans R Soc Trop Med Hyg** 1984;78(3):413–4

[Nocturnal resting sites of Glossina species (Diptera: Glossinidae) of western Upper Volta. II. Glossina palpalis gambiensis Vanderplank] Küpper W. **Rev Elev Med Vet Pays Trop** 1983;36(3):265–71 (Eng. Abstr.) **(Fre)**

TSH see **THYROTROPIN**

TSUTSUGAMUSHI see **SCRUB TYPHUS**

TUBAL LIGATION see **STERILIZATION, TUBAL**

TUBE FEEDING see **ENTERAL FEEDING**

TUBER CINEREUM see under **HYPOTHALAMUS**

TUBERACTINOMYCIN B see **VIOMYCINS**

TUBERCIDIN see under **RIBONUCLEOSIDES**

TUBERCULIN

ADMINISTRATION & DOSAGE

Role of monocytes/macrophages and interleukin 1 in antigen-induced human lymphokine production. Bendtzen K, et al. **Cell Immunol** 1984 Jan;83(1):101–6

Immune cell populations in cutaneous delayed-type hypersensitivity. Platt JL, et al. **J Exp Med** 1983 Oct 1; 158(4):1227–42

Immunological monitoring of melanoma patients on BCG immunotherapy. I. Enzyme-linked immunosorbent assay of human sera after BCG-treatment. Kovatchev D, et al. **Neoplasma** 1984;31(4):453–8

[Evaluation of tuberculin treatment of cutaneous vasculitis] Radionov VG, et al. **Vestn Dermatol Venerol** 1983 Nov; (11):42–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Specificity of Mycobacterium tuberculosis antigen 5 determined with mouse monoclonal antibodies. Daniel TM, et al. **Infect Immun** 1984 Jul;45(1):52–5

IMMUNOLOGY

Time course and histological differences between sheep red blood cells and tuberculin DTH reactions in mice. Hurtrel B, et al. **Ann Immunol (Paris)** 1984 Mar–Apr; 135C(2):219–30

The enzyme-linked immunosorbent assay method for IgG antibody to purified protein derivative in cerebrospinal fluid of patients with tuberculous meningitis. Kalish SB, et al. **Ann Intern Med** 1983 Nov;99(5):630–3

Mycobacterial sensitivity elicited with a PPD devoided of the majority of the antigens common with BCG. Results on healthy-BCG vaccinated and tuberculous children. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep;42(2–3):221–6

Strain variation in interferon gamma production of BCG-sensitized mice challenged with PPD II. Importance of one major autosomal locus and additional sexual influences. Huygen K, et al. **Cell Immunol** 1984 Apr 15; 85(1):75–81

Adoptive protection of the Mycobacterium tuberculosis-infected lung. Dissociation between cells that passively transfer protective immunity and those that transfer delayed-type hypersensitivity to tuberculin. Orme IM, et al. **Cell Immunol** 1984 Mar;84(1):113–20

In vitro stimulation of lymphocytes with an antigen fraction prepared from Mycobacterium leprae and tuberculin PPD in contacts and non-contacts of leprosy patients. Reitan LJ, et al. **Clin Exp Immunol** 1984 Aug;57(2):315–23

Induction of transplantation resistance to murine L1210 leukemia cells in BCG-primed mice by immunization with tuberculin protein-coupled L1210 cells. Ohno R, et al. **Gann** 1984 Feb;75(2):187–92

Antigen-induced suppression in man: non-specific suppression mediated via OKT8+ cells. Cohen MG, et al. **Immunology** 1984 Aug;52(4):589–98

Influence of subclass-specific anti-idiotypic antibodies on the kinetics of the immune response to BCG. Daus H, et al. **Immunology** 1984 Aug;52(4):697–702

Studies in the enhancement of tumour immunity by coupling strong antigens to tumour cells ('heterogenization of tumours'). Helper T cell clones against PPD help other T cells mount anti-tumour responses to PPD-coupled tumour cells. Sia DY, et al. **Immunology** 1984 Apr; 51(4):755–63

Selective chemotaxis of Ia antigen-positive blood monocytes in response to a macrophage chemotactic lymphokine extractable from PPD-induced delayed hypersensitivity reaction site in guinea-pigs. Yoshimura T, et al. **Immunology** 1984 Jun;52(2):269–80

Antibodies to purified tuberculin (PPD) in pulmonary tuberculosis & their correlation with PPD skin sensitivity. Gupta AK, et al. **Indian J Med Res** 1983 Oct;78:484–8

T suppressor cells as well as anti-hapten and anti-idiotype B lymphocytes regulate contact sensitivity to oxazolone in mice injected with purified protein derivative from Mycobacterium tuberculosis. Campa M, et al. **Infect Immun** 1984 Sep;45(3):701–7

Studies on the development of tuberculin sensitivity in immunized guinea pigs with demonstration of a close relationship between results of skin tests and the lymphocyte transformation technique. Hasløv K, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):114–22

Detection of immunoglobulin G antibody to purified protein derivative in patients with tuberculosis by radioimmunoassay and enzyme-linked immunosorbent assay. Zeiss CR, et al. **J Clin Microbiol** 1982 Jan;15(1):93–6

Suppression of BCG cell wall-induced delayed-type hypersensitivity by pretreatment with killed BCG: induction of nonspecific suppressor T cells by the adjuvant portion (MDP) and of specific suppressor T cells by the antigen portion (TAP). Kato K, et al. **J Immunol** 1984 Jun; 132(6):2790–5

Establishment of three PPD-reactive helper T cell clones with distinct functions in B cell activation. Sano Y, et al. **J Immunol** 1984 Aug;133(2):629–35

Immunochemical analysis of tuberculin purified protein derivative with special reference to United States-Japan antigen 7. Ma Y, et al. **J Infect Dis** 1983 Sep;148(3):500–9

New tuberculins [letter] Burford-Mason AP, et al. **Lancet** 1984 May 5;1(8384):1019

New tuberculins [letter] Matthews RC. **Lancet** 1984 Mar 3; 1(8375):517–8

Skin test activity of an antigen fraction prepared from Mycobacterium leprae compared with standard lepromin and tuberculin PPD in leprosy patients. Reitan LJ, et al. **Lepr Rev** 1984 Mar;55(1):33–40

Enhancement of the spontaneous development of autoreactive B cells by PPD in mouse peritoneal cell cultures. Campa M, et al. **Microbiologica** 1983 Jul; 6(3):199–205

Cell-mediated PPD-specific cytotoxicity against human monocyte targets: evidence for restriction by class II HLA antigens. Hansen PW, et al. **Tissue Antigens** 1984 Mar; 23(3):171–80

Patterns of tuberculin hypersensitivity in South Africa. Fourie PB. **Tubercle** 1983 Sep;64(3):167–79

Factors affecting the consecutive and simultaneous coupling with bis-diazotized benzidine of protein antigen to sheep red blood cells. Choi CS, et al. **Vet Microbiol** 1984 Apr; 9(2):193–9

Specificity of purified protein derivative extracts from ten species of Mycobacteria killed with phenol in the haemagglutination and haemagglutination inhibition test. Choi CS, et al. **Vet Microbiol** 1984 Jul;9(3):301–8

[Changes in tuberculin hypersensitivity following BCG vaccination and the effect of repeated tuberculin tests] Tokuchi S, et al. **Kekkaku** 1983 Jul;58(7):395–400 (Eng. Abstr.) **(Jpn)**

[Sensitivity to tuberculin in children with various types of tuberculosis of the respiratory system] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):803–10 (Eng. Abstr.) **(Pol)**

[Skin sensitivity to Battey and Kansasii sensitins in selected rural and student populations. III. Summary of the results of studies on skin reactivity to Battey and Kansasii sensitins and tuberculin RT23 in the rural population and in students] Krzyszkowska A, et al. **Pneumonol Pol** 1983 Apr; 51(4):239–45 (Eng. Abstr.) **(Pol)**

[Determination of allergy using the step reaction to tuberculin (allergometry) based on Pirquet's skin test. Differentiation between allergy to BCG vaccine and pathologic allergy to infection with the tuberculosis bacillus] Tasovač B. **Srp Arh Celok Lek** 1983 May;111(5):625–35 **(Sec)**

ISOLATION & PURIFICATION

New tuberculins [editorial] **Lancet** 1984 Jan 28; 1(8370):199–200

[Experiments to replace asparagine in Sauton's medium with organic acids in producing PPD tuberculins] Kirilov N, et al. **Vet Med Nauki** 1984;21(3):29–35 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Analysis of T cell subsets by monoclonal antibodies in patients with tuberculosis after in vitro stimulation with purified protein derivative of tuberculin. Shiratsuchi H, et al. **Clin Exp Immunol** 1984 Aug;57(2):271–8

Characterization of blood mononuclear cells of rheumatoid arthritis patients. II. Depressed PPD presentation by monocytes to T lymphocytes. Seitz M, et al. **Clin Immunol Immunopathol** 1983 Nov;29(2):242–53

THERAPEUTIC USE

[Tuberculin] Moskwa Z. **Wiad Lek** 1983 Jun 15;36(12):1033–5 (Eng. Abstr.) **(Pol)**

[Treatment of patients with infiltrative tuberculosis of the lungs with tuberculin in combination with ethambutol and rifadin] Sattar IKh. **Probl Tuberk** 1984 May;(5):65–6 **(Rus)**

TUBERCULIN TEST

In vivo and in vitro boosting effects of tuberculin skin tests in guinea-pigs immunized with living BCG or with killed Mycobacterium tuberculosis. Hasløv K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Apr; 92(2):101–6

Tuberculin skin testing in Vietnamese refugees with a history of BCG vaccination. Fox AS, et al. **Am J Dis Child** 1983 Nov;137(11):1093–4

Tuberculin reaction in children treated with isoniazid. Hsu KH. **Am J Dis Child** 1983 Nov;137(11):1090–2

Ineffectiveness of annual chest roentgenograms in tuberculin skin test-positive hospital employees. Reeves SA, et al. **Am J Infect Control** 1983 Dec;11(6):212–6

Screening for chest disease in college students: policies of student health services regarding the use of routine screening chest radiographs and tuberculin skin tests. Fager SS, et al. **Am J Public Health** 1984 Feb;74(2):143–6

Cell-mediated immune response in the mammary gland of guinea pigs adoptively sensitized with lymphocytes. Nonnecke BJ, et al. **Am J Reprod Immunol** 1984 Jul–Aug; 6(1):9–13

Tuberculin response two years after BCG vaccination at birth. Grindulis H, et al. **Arch Dis Child** 1984 Jul; 59(7):614–9

Lymphangitis after tuberculin tests [letter] **Br Med J [Clin Res]** 1984 Sep 8;289(6445):625–6

Lymphangitis after tuberculin tests. Morrison JB. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):413

In vitro differences in lymphocyte subpopulation reactivity in lung cancer patients: purified protein derivative-specific suppressor T lymphocytes in patients who have received Bacillus Calmette-Guerin. Ostenson RC, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):233–40

BCG test in children receiving anti-tubercular therapy [letter] Jain S, et al. **Indian Pediatr** 1983 Apr;20(4):312

PPD skin tests for workers [letter] Silver HJ. **Infect Control** 1984 May;5(5):211–2

Tuberculin conversion in Indochinese refugees [letter] Bickel D. **JAMA** 1983 Oct 21;250(15):1978

Tuberculosis infection and disease in Zambia. A tuberculin survey in three areas in Zambia. Watts T. **Med J Zambia** 1982 May–Jul;16(3):54–6

Specific anergy in tuberculosis [letter] Margolis MT. **N Engl J Med** 1983 Dec 1;309(22):1388

Utility of tuberculin testing in children under 5 years of age. Gaind BN, et al. **Paediatr Indones** 1983 Sep–Oct; 23(9–10):197–200

Human keratinocytes express HLA-DR antigens in the tuberculin reaction. Scheynius A, et al. **Scand J Immunol** 1984 Feb;19(2):141–7

The use of a sonicate preparation of Mycobacterium tuberculosis (new tuberculin) in the assessment of BCG vaccination. Stanford JL, et al. **Tubercle** 1983 Dec; 64(4):275–82

[Delayed hypersensitivity response of the skin to 2,4-dinitrochlorobenzene and old tuberculin in patients with lung cancer] Fan XJ. **Chung Hua Chung Liu Tsa Chih** 1983 Sep;5(5):333–6 (Eng. Abstr.) **(Chi)**

[Administrative measures to promote preference for tuberculin tests for teachers within the scope of paragraph 47 of the Federal Communicable Disease Law] Bolt M. **Prax Klin Pneumol** 1983 Jul;37(7):283–5 (Eng. Abstr.) **(Ger)**

[Tuberculin conversion—what to do?] Neumann G. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:634–7 (Eng. Abstr.) **(Ger)**

[Tuberculin testing in 15 and 16-year-old students, who, as newborns, were vaccinated with BCG] Werner E. **Z Gesamte Inn Med** 1983 Sep 15;38(18):498–9 (Eng. Abstr.) **(Ger)**

[Tuberculosis in dialysis patients. 12. Tuberculin skin reaction] Inamoto H. **Kekkaku** 1983 Dec;58(12):619–23 (Eng. Abstr.) **(Jpn)**

[Tuberculosis with a negative tuberculin reaction and tuberculin sensitivity in atypical mycobacterial infection] Kurasawa T. **Kekkaku** 1983 Oct;58(10):547–9 **(Jpn)**

[Epithelioid cell granuloma formation and negative conversion of the tuberculin skin test in sarcoidosis] Nagai S. **Kekkaku** 1983 Oct;58(10):552–5 **(Jpn)**

[Diagnostic value of the tuberculin skin test as a parameter of cellular immunocompetence in cancer patients] Sone S, et al. **Kekkaku** 1983 Oct;58(10):559–62 **(Jpn)**

[Cellular immunity and the tuberculin reaction in bacterial, viral and Mycoplasma pneumonias] Suzuyama Y. **Kekkaku** 1983 Oct;58(10):549–52 **(Jpn)**

[Changes in tuberculin hypersensitivity following BCG vaccination and the effect of repeated tuberculin tests] Tokuchi S, et al. **Kekkaku** 1983 Jul;58(7):395–400 (Eng. Abstr.) **(Jpn)**

[Mechanism of the tuberculin reaction] Tsuyuguchi I. **Kekkaku** 1983 Oct;58(10):544–7 **(Jpn)**

[Diagnostic role of the tuberculin test] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):793–802 (Eng. Abstr.) **(Pol)**

[Significance of the reactivity to tuberculin, streptokinase and streptodornase in atopic dermatitis] Silny W, et al. **Przegl Dermatol** 1983 May–Jun;70(3):249–52 (Eng. Abstr.) **(Pol)**

[Incidence of tuberculosis and a positive tuberculin test in children exposed to patients with tuberculosis. Importance of factors linked to the source and children despite previous vaccination with intradermal BCG] Morrone N, et al. **AMB** 1983 Nov–Dec;29(11–12):182–8 (Eng. Abstr.) **(Por)**

[In vitro tuberculin reaction and cellular and humoral immune response in patients with pulmonary tuberculosis] de Araujo AC, et al. **Rev Saude Publica** 1983 Apr; 17(2):94–111 (Eng. Abstr.) **(Por)**

[Interval of time from the first sign of disease until the verification of the diagnosis of tuberculosis in children] Grigorescu V, et al. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar; 33(1):45–52 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of immunological reactivity in persons with hyperergic and normoergic skin reactions to tuberculin] Chernushenko EF, et al. **Probl Tuberk** 1983 Sep;(9):18–23 (Eng. Abstr.) **(Rus)**

[Diagnostic value of the Mantoux test and immunological tests in ocular tuberculosis] Gontuar NS, et al. **Probl Tuberk** 1983 Dec;(12):61–3 **(Rus)**

[Hyperergic sensitivity to tuberculin in children and adolescents] Maksimova NM. **Probl Tuberk** 1983 Sep; (9):13–6 (Eng. Abstr.) **(Rus)**

[Immunological characteristics of hyperergic reactions to tuberculin] Roslik SM, et al. **Probl Tuberk** 1984 Jan;(1):12–4 (Eng. Abstr.) **(Rus)**

[The NBT test in combination with the intradermal tuberculin test in evaluation of the latent activity of pulmonary tuberculosis and clinical cure] Rykovskaia GI. **Probl Tuberk** 1983 Sep;(9):30–3 (Eng. Abstr.) **(Rus)**

[The tuberculin test in the diagnosis of renal tuberculosis]

Shabad AL, et al. **Sov Med** 1983;(12):104–6 **(Rus)**

[Immunological indices in evaluation of the activity of pulmonary tuberculosis] Iareshko AG, et al. **Vrach Delo** 1983 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**

[Determination of allergy using the step reaction to tuberculin (allergometry) based on Pirquet's skin test. Differentiation between allergy to BCG vaccine and pathologic allergy to infection with the tuberculosis bacillus] Tasovač B. **Srp Arh Celok Lek** 1983 May;111(5):625–35 **(Scc)**

[Does PPD have a clinical usefulness?] Sueiro Bendito A. **Med Clin (Barc)** 1984 Apr 28;82(16):716–8 **(Spa)**

INSTRUMENTATION

[Use of jet injectors for mass diagnostic tests] Gul'chenko LK, et al. **Pediatriia** 1983 Oct;(10): 71 **(Rus)**

METHODS

A comparative investigation of reactivity to tuberculin using a multiple–puncture technique (the Monotest) and the Mantoux test. Beskow R, et al. **J Biol Stand** 1983 Oct; 11(4):353–8

STANDARDS

Mantoux and Tine tuberculin tests compared in Kuwait. Aysha MH, et al. **Eur J Respir Dis** 1984 Apr;65(3):224–8

Prevention of tuberculosis in children and tuberculin testing. Gaind BN. **Paediatr Indones** 1983 Jul–Aug;23(7–8):145–52

Interobserver and method variability in tuberculin skin testing. Longfield JN, et al. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):323–6

[The tuberculin index and the annual risk of infection as data for studying tuberculosis epidemiology] Zapatero Domínguez J. **An R Acad Nac Med (Madr)** 1983; 100(3):521–50 **(Spa)**

TUBERCULIN–TYPE HYPERSENSITIVITY see **HYPERSENSITIVITY, DELAYED**

TUBERCULOMA

COMPLICATIONS

Intracranial infection due to mycobacterium bovis in Hodgkin's disease. Heath PD, et al. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):465–6

[Subthalamic tuberculoma disclosed by hemiballism. Efficacy of antituberculous treatment] Delaporte P, et al. **Ann Med Interne (Paris)** 1983;134(8):728–31 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Sensitivity, specificity, and predictive values of closed pleural biopsy. Poe RH, et al. **Arch Intern Med** 1984 Feb; 144(2):325–8

Solitary tuberculoma of liver: laparoscopic, histologic, and cytologic diagnosis [letter] Bhargava DK, et al. **Gastrointest Endosc** 1983 Nov;29(4):329–30

Pulmonary tuberculoma in an infant. Mullick S, et al. **Indian Pediatr** 1983 Nov;20(11):869–70

Tuberculoma mimicking a pinealoma. Case report. Whittle IR, et al. **J Neurosurg** 1983 Nov;59(5):875–8

Tuberculosis of the central nervous system. Traub M, et al. **Q J Med** 1984 Winter;53(209):81–100

Right atrial tuberculoma: report of a case with complete recovery. Krishnaswami H, et al. **Thorax** 1984 Jul; 39(7):550–1

[Chiasmatic tuberculoma. 2 cases] Lesoin F, et al. **Sem Hop Paris** 1984 Apr 19;60(17):1185–8 (Eng. Abstr.) **(Fre)**

[A case of tuberculoma of the liver and spleen] Sumino Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb; 81(2):267–71 **(Jpn)**

[Coin lesion of the lung] Moskwa Z. **Pneumonol Pol** 1984 Mar;52(3):135–9 (Eng. Abstr.) **(Pol)**

[Calcified hematoma of the liver simulating a pulmonary tuberculoma] Krivokhizh VN, et al. **Pediatriia** 1983 Jun; (6):71 **(Rus)**

DRUG THERAPY

Paradoxical expansion of intracranial tuberculomas during chemotherapy [letter] **Lancet** 1984 Aug 25;2(8400):470–1

Paradoxical expansion of intracranial tuberculomas during chemotherapy. Chambers ST, et al. **Lancet** 1984 Jul 28; 2(8396):181–4

IMMUNOLOGY

Late–stage cutaneous leishmaniasis: immunopathology of tuberculoid lesions in skin and lymph nodes. Ridley DS, et al. **Br J Exp Pathol** 1984 Jun;65(3):337–46

PATHOLOGY

Fine needle biopsy of tuberculomas [letter] Sinner WN. **Chest** 1984 Jun;85(6):836

[Hepatic tuberculoma: apropos of 2 case reports] Villegas Sánchez G, et al. **Med Clin (Barc)** 1983 Oct 22; 81(12):528–30 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Intradural extramedullary tuberculoma of the cervical spine. Case report. Compton JS, et al. **J Neurosurg** 1984 Jan; 60(1):200–3

[Intracerebral tuberculoma. Apropos of a case. X–ray computed tomographic aspects] Baudrillard JC, et al. **J Radiol** 1984 May;65(5):385–7 (Eng. Abstr.) **(Fre)**

[A rare case of cerebellar tuberculoma] Ravetto F, et al. **Minerva Pediatr** 1984 Mar 15;36(5):257–64 (Eng. Abstr.) **(Ita)**

[Case of lobulated tuberculoma] Okazaki N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar; 21(3):298–303 (Eng. Abstr.) **(Jpn)**

[A case of intracerebral tuberculoma located deep in the hemisphere] Kinoshita N, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):21–6 **(Jpn)**

[Comparative evaluation of zono– and tomography in the differential diagnosis of small spherical formations in the lungs] Romanychev IuA, et al. **Med Radiol (Mosk)** 1984 May;29(5):25–8 (Eng. Abstr.) **(Rus)**

[Differential roentgenodiagnosis of peripheral cancer of the lung, tuberculoma and hamartoma] Romanyshev IuA, et al. **Probl Tuberk** 1983 Dec;(12):24–8 (Eng. Abstr.) **(Rus)**

[Intracranial tuberculomas. Study of 5 cases] Posada de la Paz M, et al. **Rev Clin Esp** 1983 Dec 31;171(6):425–8 **(Spa)**

SURGERY

[Surgical treatment of mediastinal caseomas] Coman C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):25–31 (Eng. Abstr.) **(Rum)**

[Method of simultaneous recording of hemodynamic parameters after treating pulmonary tuberculosis surgically] Temnikov VIa, et al. **Anesteziol Reanimatol** 1984 Jan–Feb; (1):8–10 (Eng. Abstr.) **(Rus)**

[A precision technic of removing pathological structures from the lungs] Perel'man MI. **Khirurgiia (Mosk)** 1983 Nov; (11):12–4 (Eng. Abstr.) **(Rus)**

[Current indications for surgical treatment of tuberculoma of the lungs in children and adolescents] Akhundzhanov AI, et al. **Probl Tuberk** 1984 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Analysis of postresection reactivation of pulmonary tuberculosis] Borovkova RV, et al. **Probl Tuberk** 1984 Feb; (2):69–71 **(Rus)**

[Resection of the lungs using lasers in tuberculosis patients] Dzhunusbekov AD, et al. **Probl Tuberk** 1984 Feb;(2):25–7 (Eng. Abstr.) **(Rus)**

[Clotting mechanism of hemorrhagic complications during surgery on the lungs of tuberculosis patients] Khudzik LB, et al. **Probl Tuberk** 1984 Feb;(2):47–51 (Eng. Abstr.) **(Rus)**

[Resection of the upper lobe and the VIth segment of the lung in tuberculosis] Kariev TM, et al. **Vestn Khir** 1984 May;132(5):66–7 **(Rus)**

TUBERCULOSIS

Overview of tuberculosis: 1983. Ream CR. **Clin Ther** 1983; 5(6):562–6

Tuberculosis register in the Czech Socialist Republic compared with similar registers in other European countries. Daňková D, et al. **Czech Med** 1983;6(4):196–201

Tuberculosis of gall bladder (a case report). Ahmad MN, et al. **J Postgrad Med** 1983 Oct;29(4):258–60

Neurosurgically relevant aspects of pathology and pathogenesis of intracranial and intraspinal tuberculosis. Dastur DK. **Neurosurg Rev** 1983;6(3):103–10 (29 ref.)

Diagnosis and neurosurgical treatment of tuberculous disease of the CNS. Dastur HM. **Neurosurg Rev** 1983;6(3):111–7 (27 ref.)

Abdominal tuberculosis. Bose SL, et al. **Q Med Rev** 1983 Jul;34(3):1–16 (66 ref.)

[59th general meeting of the Japanese Society for Tuberculosis. 8–9 April 1984, Tokyo, Japan. Abstracts] **Kekkaku** 1984 Mar;59(3):125–268 **(Jpn)**

[Information base for the research disciplines in medicine] Rytvinskil SS. **Sov Zdravookhr** 1984;(7):31–5 **(Rus)**

BLOOD

[Changes in the lipid metabolic indices as affected by tuberculosis and the action of antitubercular preparations in an experiment] Solov'eva TN, et al. **Probl Tuberk** 1984 Mar;(3):56–60 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Criteria for the formation of the 7th dispensary registration group and differential observation for its contingents] Rudoi NM, et al. **Probl Tuberk** 1983 Aug;(8):16–20 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Tuberculosis and sudden death in Baghdad. Hassan DN, et al. **Am J Forensic Med Pathol** 1984 Jun;5(2):169–74

Lymphocytic interstitial pneumonitis manifesting concurrently with active tuberculosis. Maurer JR, et al. **Arch Intern Med** 1984 Sep;144(9):1855–7

Tuberculosis of the pancreas: a rare cause of obstructive jaundice. Crowson MC, et al. **Br J Surg** 1984 Mar;71(3):239

Tuberculous myositis: report of a case. Harid AC, et al. **Cent Afr J Med** 1984 Jan;30(1):253–7

Incidence of renal amyloidosis in adult Ethiopian tuberculosis patients. Mengistu M. **East Afr Med J** 1983 Nov; 60(11):773–7

Abdominal tuberculosis presenting as inguinal hernia [letter] Narasimharao KL, et al. **Indian Pediatr** 1983 Oct; 20(10):790–1

Leukaemoid reaction in tuberculosis. Tripathi K, et al. **J Indian Med Assoc** 1984 Feb;82(2):63–4

Cranial nerve palsies following tuberculosis. Warwick–Brown NP. **J Laryngol Otol** 1984 Feb; 98(2):217–9

Calcinosis universalis associated with tuberculosis. Awotedu AA, et al. **Pediatr Radiol** 1984;14(3):177–9

Chylothorax and tuberculosis. Vennera MC, et al. **Thorax** 1983 Sep;38(9):694–5

[Tuberculous tenosynovitis of the flexor tendons of the fingers. Apropos of 2 cases] Piganiol G, et al. **Chirurgie** 1983;109(5):378–81 (Eng. Abstr.) **(Fre)**

[Tuberculosis following mycobacteriosis. Apropos of 2 cases] Kubín M, et al. **Rev Mal Respir** 1984;1(3):157–60 (Eng. Abstr.) **(Fre)**

[Diseases associated with tuberculosis] Minetto E. **Minerva Med** 1984 Mar 17;75(11):579–80 (Eng. Abstr.) **(Ita)**

[Granulomatous hepatitis. Apropos of a case with difficult etiological diagnosis] Giacchino R, et al. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):35–41 (Eng. Abstr.) **(Ita)**

[Staphylococcal bacteremia in tuberculosis] Adamovich VN, et al. **Klin Med (Mosk)** 1983 Dec;61(12):40–4 (Eng. Abstr.) **(Rus)**

[Combined effect of tuberculosis and pesticides on the morphofunctional status of the liver] Agzamov RA, et al. **Probl Tuberk** 1983 Aug;(8):61–5 (Eng. Abstr.) **(Rus)**

[Active tuberculosis in patients in hemodialysis (letter)] Ruiz Manzano J, et al. **Med Clin (Barc)** 1983 Oct 15;81(11):499 **(Spa)**

CONGENITAL

Congenital tuberculosis [editorial] Snider DE Jr, et al. **Tubercle** 1984 Jun;65(2):81–2

DIAGNOSIS

Tuberculosis of the breast. A cytomorphologic study of needle aspirates and nipple discharges. Nayar M, et al. **Acta Cytol (Baltimore)** 1984 May–Jun;28(3):325–8

Tuberculosis mimicking cancer—a reminder. Pitlik SD, et al. **Am J Med** 1984 May;76(5):822–5

Tuberculosis of the breast [letter] **Br Med J [Clin Res]** 1984 Jul 7;289(6436):48–9

Tuberculosis of the breast. Apps MC, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1874–5

False–positive cultures of Mycobacterium tuberculosis. Maurer JR, et al. **Chest** 1984 Sep;86(3):439–43

Bronchorrhea. A presenting feature of active endobronchial tuberculosis. So SY, et al. **Chest** 1983 Nov;84(5):635–6

Disseminated infection due to mycobacterium avium–intracellulare complex [letter] West BC, et al. **Chest** 1984 May;85(5):710–1

Primary nasopharyngeal tuberculosis. Raizada RM, et al. **Ear Nose Throat J** 1984 Mar;63(3):171–4

Generalised tuberculosis of skeletal muscle. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):159–60

Advances in the diagnosis of tuberculosis. Menon PS, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):431–4

Ascites. Kalro RH. **J Assoc Physicians India** 1983 Apr; 31(4):245–6

A study on tuberculosis in children in and around Simla Hills. Bahl L, et al. **J Indian Med Assoc** 1984 Feb;82(2):44–7

Tuberculoid granuloma of the pharynx. von Haacke N, et al. **J Laryngol Otol** 1984 Mar;98(3):325–6

Extrapulmonary tuberculosis revisited: a review of experience at Boston City and other hospitals. Alvarez S, et al. **Medicine (Baltimore)** 1984 Jan;63(1):25–55 (189 ref.)

The changing pattern of tuberculosis. James DG, et al. **Postgrad Med J** 1984 Feb;60(700):92–7 (33 ref.)

Sequential disseminated tuberculosis and toxoplasmosis in a Haitian refugee. Schroeder HW Jr, et al. **South Med J** 1984 Apr;77(4):533–4

Disseminated tuberculosis in a renal transplant recipient: presentation as an anterior mediastinal mass. Wood M, et al. **South Med J** 1983 Dec;76(12):1577–9

Bulk staining of sputum by the Ziehl–Neelsen method. Fodor T. **Tubercle** 1984 Jun;65(2):123–5

[Non–reactive tuberculosis: report of a case] Qu MH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):228–30 (Eng. Abstr.) **(Chi)**

[Tuberculosis of the middle ear. Current status] Maitre B, et al. **J Fr Otorhinolaryngol** 1984 Feb;33(2):75–81 (Eng. Abstr.) **(Fre)**

[Various modes of presentation of tuberculosis in hemodialysis patients] Langlois S, et al. **Union Med Can** 1983 Nov;112(11):1084–7 (Eng. Abstr.) **(Fre)**

[Clinically undiagnosed tuberculosis discovered at autopsy] Hein J, et al. **Prax Klin Pneumol** 1984 Apr;38(4):136–9 (Eng. Abstr.) **(Ger)**

[Manifestation of extrapulmonary tuberculosis in Cambodian refugees in Thailand] Rieder H. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:498–500 (Eng. Abstr.) **(Ger)**

[Primary cervical tubercular infection and post–primary oropharyngeal tuberculosis] Bianchi C, et al. **Acta Otorhinolaryngol Ital** 1983 Nov–Dec;3(6):641–7 (Eng. Abstr.) **(Ita)**

[Tuberculosis of the male breast. Description of a case] Filipponi R, et al. **Ann Ital Chir** 1984;56(1):93–6 (Eng. Abstr.) **(Ita)**

[The medico–legal evaluation of disability in tuberculosis] Oberto G. **Minerva Med** 1984 Mar 17;75(11):603–7 (Eng. Abstr.) **(Ita)**

[Primary oral tuberculosis after dental extractions. Clinical, histopathological and epidemiological aspects] Lo Bello SR, et al. **Minerva Stomatol** 1984 Jan–Feb;33(1):41–8 (Eng. Abstr.) **(Ita)**

[Diagnostic, clinical and therapeutic aspects of tuberculous meningoencephalitis in 17 adults] Olejnik Z, et al. **Pneumonol Pol** 1983 Nov;51(11):537–45 (Eng. Abstr.) **(Pol)**

[Tuberculosis of the respiratory organs in pregnant women] Gol'dshtein VD, et al. **Probl Tuberk** 1984 Feb;(2):10–3 (Eng. Abstr.) **(Rus)**

[Experience with the work of centralized control of the diagnosis and treatment of newly diagnosed tuberculosis patients] Iakovleva TA, et al. **Probl Tuberk** 1984 Feb; (2):3–4 (Eng. Abstr.) **(Rus)**

[Determination of allergy using the step reaction to tuberculin (allergometry) based on Pirquet's skin test. Differentiation between allergy to BCG vaccine and pathologic allergy to infection with the tuberculosis bacillus] Tasovač B. **Srp Arh Celok Lek** 1983 May;111(5):625–35 **(Scc)**

[Parotid tuberculosis] Fernández E, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):431–8 (Eng. Abstr.) **(Spa)**

[BCG vaccination as a diagnostic test for tuberculosis] Karam–Bechara J, et al. **Bol Med Hosp Infant Mex** 1983 Mar;40(3):171–4 **(Spa)**

[Does PPD have a clinical usefulness?] Sueiro Bendito A. **Med Clin (Barc)** 1984 Apr 28;82(16):716–8 **(Spa)**

[Extrapulmonary tuberculosis. Retrospective analysis of 33 cases] Chimpén Ruiz V, et al. **Rev Clin Esp** 1983 Jul 15–31; 170(1–2):27–30 (Eng. Abstr.) **(Spa)**

[Immunologic diagnosis of tuberculosis] Quesada Pascual F. **Salud Publica Mex** 1983 Nov–Dec;25(6):601–11 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pediatric and pregnancy tuberculosis treatment protocols. **Ala Med** 1984 Jan;53(7):21–2

Treatment of tuberculosis [letter] Abeles H, et al. **Am Rev Respir Dis** 1983 Nov;128(5):957–8

Treatment of tuberculosis and other mycobacterial diseases [letter] Indenbaum JK, et al. **Am Rev Respir Dis** 1984 Mar; 129(3):510–11

Management of tuberculosis in elderly persons. Nagami P, et al. **Compr Ther** 1984 Jul;10(7):57–62

Drug therapy of tuberculosis. McCormack J. **Ir Med J** 1984 Mar;77(3):88, 90–3

Tuberculosis in a developing country: experiences of the TB service at BMH, Dharan. Henderson A. **J R Army Med Corps** 1984 Feb;130(1):22–30

A study of thiacetazone blood levels and urinary excretion in man, using high performance liquid chromatography. Jenner PJ, et al. **Lepr Rev** 1984 Jun;55(2):121–8

Tuberculosis [editorial] **Med J Zambia** 1981 Nov–1982 Jan; 16(1):1

Monitoring compliance with anti–tuberculosis therapy [letter] Pitchenik AE. **N Engl J Med** 1984 Sep 20;311(12):799

Management of tuberculin reactors in children and adolescents previously vaccinated with BCG. Nemir RL, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):446–51

Short–term chemotherapy for tuberculosis. Locks MO. **West J Med** 1983 Sep;139(3):360–1

[Activity of rifampicin administered daily and intermittently on experimental tuberculosis in mice] Grosset J, et al. **Pathol Biol (Paris)** 1983 May;31(5):446–50 (Eng. Abstr.) **(Fre)**

[Adjusting or not adjusting isoniazid dosage?] Parrot R, et al. **Rev Fr Mal Respir** 1983;11(5):705–12 (Eng. Abstr.) **(Fre)**

[Activity of intermittently administered rifampicin and cyclopentyl rifamycin (or DL473) on experimental tuberculosis in the mouse] Truffot–Pernot C, et al. **Rev Fr Mal Respir** 1983;11(6):875–82 (Eng. Abstr.) **(Fre)**

[Recommendations of the French Language Society of Pneumology: The treatment of tuberculosis in France] **Rev Mal Respir** 1984;1(1):59–62 **(Fre)**

[Therapy modalities used in tuberculosis in a French Department. The Bas–Rhin, 1965–77] Burghard G, et al. **Rev Mal Respir** 1984;1(2):85–91 (Eng. Abstr.) **(Fre)**

[Short and intermittent course therapy for tuberculosis] Dux S, et al. **Harefuah** 1983 Dec 1;105(11):373–5 **(Heb)**

[Overview on preclinical research on tuberculosis chemotherapy in the past 100 years. (2) Experimental studies following clinical tests] Kanei T, et al. **Kekkaku** 1983 Apr;58(4):235–45 **(Jpn)**

[Short–term chemotherapy for juvenile tuberculosis] Tamura N. **Kekkaku** 1983 Dec;58(12):625–30 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of tuberculosis. II – Drugs. Types of treatment. Evaluation and control] Rosemberg J. **AMB** 1983 May–Jun;29(5–6):94–101 **(Por)**

[Chemotherapy of tuberculosis. I – Basic principles] Rosemberg J. **AMB** 1983 May–Jun;29(5–6):90–4 **(Por)**

[Sodium metabisulfite inhibition of the reaction between isoniazid and streptomycin in solution] Aleksandrova AE, et al. **Probl Tuberk** 1983 Aug;(8):54–7 (Eng. Abstr.) **(Rus)**

[Mechanism of action of the antikinin preparation pyridinolcarbamate on the development of experimental tuberculosis] Makinskiĭ AI, et al. **Probl Tuberk** 1984 May; (5):60–5 (Eng. Abstr.) **(Rus)**

[Use of isoniazid derivatives synthesized using carbohydrate–type monomeric matrices as a base in experimental tuberculosis] Prilipak AA, et al. **Probl Tuberk** 1983 Jul;(7):55–8 (Eng. Abstr.) **(Rus)**

[Efficacy of the treatment of experimental tuberculosis with antibacterial agents in combination with levamisole and tilorone] Snitinskaia OS. **Probl Tuberk** 1983 Sep;(9):53–6 (Eng. Abstr.) **(Rus)**

[Multiplication of Mycobacterium tuberculosis in the organs of mice with a single exposure to cyclophosphamide] Vladimirskiĭ MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):67–70 (Eng. Abstr.) **(Rus)**

[Causes of failure in tuberculosis treatment] Farga V. **Rev Med Chil** 1984 Jan;112(1):72–6 **(Spa)**

[Resistance to antitubercular drugs in Chile] Valenzuela MT, et al. **Rev Med Chil** 1984 Jan;112(1):76–80 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Asian immigrant tuberculosis—the effect of visiting Asia. McCarthy OR. **Br J Dis Chest** 1984 Jul;78(3):248–53

Tuberculosis and nonsteroidal anti–inflammatory drugs. Tomasson HO, et al. **Can Med Assoc J** 1984 Feb 1; 130(3):275–8

Tuberculosis arising at the site of physical injury: eight case histories. Weir WR, et al. **J Infect** 1983 Jul;7(1):63–6

Cold abscess after accidental BCG inoculation [letter] Warren JP, et al. **Lancet** 1984 Aug 4;2(8397):289

[Pathogenesis of hematogenic tuberculosis] Werner E. **Z Gesamte Inn Med** 1983 Nov 15;38(22):615–7 (Eng. Abstr.) **(Ger)**

[Prospect on tuberculosis. An etiological theory (II)] Aoki M. **Kekkaku** 1983 Aug;58(8):407–13 **(Jpn)**

[Clinical studies of tuberculosis in hemodialysis patients] Nishiwaki K, et al. **Kekkaku** 1983 Oct;58(10):509–14 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Phenotypic expression of genetically–controlled natural resistance to Mycobacterium bovis (BCG). Stach JL, et al. **J Immunol** 1984 Feb;132(2):888–92

[Immunogenetic mechanisms of resistance to tuberculosis in mice] Moroz AM, et al. **Probl Tuberk** 1983 Sep;(9):49–52 (Eng. Abstr.) **(Rus)**

HISTORY

30 years of the Research Institute of Tuberculosis and Respiratory Diseases in Prague. Feuereisl R. **Czech Med** 1983;6(4):193–5

The conquest of tuberculosis. A contribution of American veterinary medicine to human welfare. Faler K. **Mod Vet Pract** 1984 Jan;65(1):51–3

Ghon but not forgotten: Anton Ghon and his complex. Ober WB. **Pathol Annu** 1983;18 Pt 2:79–85

Robert Koch and his tuberculin fallacy. Shapiro E. **Pharos** 1983 Fall;46(4):19–22

'Prehistoric tuberculosis in the Americas'. Essay review. Sharpe WD. **Trans Stud Coll Physicians Phila** 1983 Sep; 5(3):278–81

[The importance of Robert Koch's discovery for the development of bacteriology] Schmidt G. **Z Erkr Atmungsorgane** 1983;161(1):15–20 (Eng. Abstr.) **(Ger)**

[The doctrine of immunity in the light of Robert Koch's concepts] Schneeweiss U. **Z Erkr Atmungsorgane** 1983; 161(1):46–50 (Eng. Abstr.) **(Ger)**

[The cognitive process of Robert Koch in becoming the founder of tuberculosis control] Steinbrück P. **Z Erkr Atmungsorgane** 1983;161(1):6–14 (Eng. Abstr.) **(Ger)**

[Social welfare for tuberculosis patients in Silesia 1928–1929] Moskwa Z. **Wiad Lek** 1983 Oct 1;36(19):1645–7 (Eng. Abstr.) **(Pol)**

[The contribution of Jacob Felix to the prevention of tuberculosis in Romania (on the 150th anniversary of his birth)] Anastasatu C. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec; 32(4):379–80 **(Rum)**

[History of the organization and development of the antituberculosis service in Uzbekistan] Kalankhodzhaev AA. **Probl Tuberk** 1983 Jul;(7):71–3 (Eng. Abstr.) **(Rus)**

[History of tuberculosis control in Sevastopol] Verenkina TN, et al. **Probl Tuberk** 1984 Jan;(1):70–2 **(Rus)**

[Social conditions of tuberculosis in Slovakia before World War I] Beniak M. **Bratisl Lek Listy** 1984 Mar;81(3):376–81 **(Slo)**

[Tuberculosis and the San José Hospital in Santiago] Edwards A, et al. **Rev Med Chil** 1983 Mar;111(3):315–9 (Eng. Abstr.) **(Spa)**

[The discovery of the Koch bacillus] Mendoza F. **Rev Med Chil** 1983 May;111(5):539–43 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Serology of tuberculosis and BCG vaccination. **Adv Tuberc Res** 1984;21:1–251

The purification and identification of circulating immune complexes in tuberculosis. May JJ, et al. **Am Rev Respir Dis** 1983 Nov;128(5):920–5

Range of mycobacterial disease [letter] Ridley DS, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):236

Proceedings of the World Conference of the IUAT–3 (International Union against Tuberculosis). Buenos Aires, 15–18 December 1982. **Bull Int Union Tuberc** 1983 Sep–Dec;58(3–4):179–256

Plan of action for research in the immunology of tuberculosis: memorandum from a WHO meeting. **Bull WHO** 1983; 61(5):779–85

Comparison between immunopotency tests and specific active or passive acquired resistance against Mycobacterium tuberculosis in mice induced with three different preparations of BCG pasteur vaccine. Brandely M, et al. **Clin Exp Immunol** 1983 Oct;54(1):143–50

Dissociation of helper/inducer T–cell functions: immunodeficiency associated with mycobacterial histiocytosis. Burmester GR, et al. **Clin Immunol Immunopathol** 1984 Feb;30(2):279–89

Effect of streptomycin on antibody response to mannophosphoinositides in experimental tuberculosis. Malik U, et al. **Indian J Exp Biol** 1983 Sep;21(9):513–4

In vivo and in vitro administration of interleukin 2–containing preparation reverses T–cell unresponsiveness in Mycobacterium bovis BCG–infected mice. Colizzi V. **Infect Immun** 1984 Jul;45(1):25–8

Detection of immunoglobulin G antibody to purified protein derivative in patients with tuberculosis by radioimmunoassay and enzyme–linked immunosorbent assay. Zeiss CR, et al. **J Clin Microbiol** 1982 Jan;15(1):93–6

Cellular mechanisms of genetically controlled host resistance to Mycobacterium bovis (BCG). Gros P, et al. **J Immunol** 1983 Oct;131(4):1966–72

Immune reactions in tuberculosis [editorial] **Lancet** 1984 Jul 28;2(8396):204

Specific anergy in tuberculosis [letter] Margolis MT. **N Engl J Med** 1983 Dec 1;309(22):1388

The persistence of tuberculin sensitivity following oral BCG vaccination in The Netherlands. Bleiker MA, et al. **Tubercle** 1983 Dec;64(4):255–63

[Koch's basic experiment and its present experimental variants] Blasi A. **Z Erkr Atmungsorgane** 1983;161(1):51–5 (Eng. Abstr.) **(Ger)**

[Tuberculosis in dialysis patients. 12. Tuberculin skin reaction] Inamoto H. **Kekkaku** 1983 Dec;58(12):619–23 (Eng. Abstr.) **(Jpn)**

[Variability of the BCG Moreau substrain. II. Comparison of the allergizing and protective properties of BCG substrains of various origins] Janaszek W. **Med Dosw Mikrobiol** 1983;35(2):97–105 (Eng. Abstr.) **(Pol)**

[Comparative study of Polish, Russian and Hungarian BCG vaccines. II. Evaluation of the allergenic properties of the vaccines after 26 weeks and 30 months] Szczuka I, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):449–59 (Eng. Abstr.) **(Pol)**

[Comparative study of Polish, Russian and Hungarian BCG vaccines. I. Evaluation of the allergenic properties of the vaccines after 16 weeks] Szczuka I, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):441–7 (Eng. Abstr.) **(Pol)**

[The role of T–cell immunity in tuberculosis resistance in rats] Aleksandrova AE, et al. **Probl Tuberk** 1983 Sep; (9):56–61 (Eng. Abstr.) **(Rus)**

[Research in immunology and immunogenetics in Soviet phthisiology] Averbakh MM. **Probl Tuberk** 1983 Sep; (9):3–6 **(Rus)**

[Relations between the indices of cellular immunity during chemotherapy of experimental tuberculosis] Gavrilenko AF, et al. **Probl Tuberk** 1983 Sep;(9):61–3 (Eng. Abstr.) **(Rus)**

[Effect of indomethacin on systemic and local immune function in experimental tuberculous infection] Isaeva EG, et al. **Probl Tuberk** 1984 Jun;(6):59–64 (Eng. Abstr.) **(Rus)**

[Levels of E and F2 alpha–group prostaglandins in the lung tissue of animals with different species resistance to tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** 1984 Mar; (3):47–51 (Eng. Abstr.) **(Rus)**

[The immune response and tuberculosis] Estrada Parra S. **Salud Publica Mex** 1983 Jul–Aug;25(4):403–9 (Eng. Abstr.) **(Spa)**

METABOLISM

[Nutritional assessment of tuberculosis patients] Kitao T, et al. **Kekkaku** 1983 Dec;58(12):645–9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

A pesky pathogen that played hide–and–seek. McCue JD. **Hosp Pract** 1983 Oct;18(10):173, 176–7, 180

Human infections by rare strains of Mycobacterium tuberculosis. Kotian M, et al. **Indian J Med Res** 1983 Jun; 77:777–80

The bovine tubercle bacillus. Collins CH, et al. **J Appl Bacteriol** 1983 Aug;55(1):13–29 (39 ref.)

Conventional and radiometric drug susceptibility testing of Mycobacterium tuberculosis complex. Laszlo A, et al. **J Clin Microbiol** 1983 Dec;18(6):1335–9

OCCURRENCE

Urban tuberculosis: some modern problems. Rose RC 3d, et al. **Am J Med Sci** 1984 Jan-Feb;287(1):24-6

Active tuberculosis in Indochinese refugees in British Columbia. Enarson DA. **Can Med Assoc J** 1984 Jul 1; 131(1):39-42

Need for assessing the effects of closing chest clinics in Ontario [editorial] Narain R. **Can Med Assoc J** 1984 Jun 15;130(12):1535-7

The clinical pattern of tuberculosis in Zimbabwe, 1974-81. Taylor DA, et al. **Cent Afr J Med** 1983 Oct;29(10):193-6

Tuberculosis. A look at the world situation. Grzybowski S. **Chest** 1983 Dec;84(6):756-61

Psychiatric nurses and tuberculosis [letter] Gallagher P. **Ir Med J** 1984 Jun;77(6):186

Incidence of tuberculosis among children born in Israel--1956 to 1979. Simchen E, et al. **Isr J Med Sci** 1984 Aug;20(8):695-701

Prevalence of disease in Southeast Asian teenagers. Results of screening medical examination at a residential vocational training facility. Goldenring JM, et al. **J Adolesc Health Care** 1983 Dec;4(4):266-9

Trends in the epidemiology of tuberculosis--a physician's view. McNicol M. **J Clin Pathol** 1983 Oct;36(10):1087-90 (24 ref.)

Leads from the MMWR. Tuberculosis--United States. 1983. **JAMA** 1984 Mar 9;251(10):1259

Tuberculosis infection and disease in Zambia. A tuberculin survey in three areas in Zambia. Watts T. **Med J Zambia** 1982 May-Jul;16(3):54-6

Tuberculosis disease in three populations in Zambia. Watts T. **Med J Zambia** 1982 May-Jul;16(3):56-8

Tuberculosis--United States, 1983. **MMWR** 1984 Feb 17; 33(6):77-8

Tuberculosis--United States, 1983. **MMWR** 1984 Jul 20; 33(28):412-5

Hypothesis of leprosy, tuberculosis and urbanization in Africa. Hunter JM, et al. **Soc Sci Med** 1984;19(1):27-57

The social parameters of tuberculous infection among children in the Transkei. Burney PG, et al. **Trop Geogr Med** 1984 Mar;36(1):37-43

Leprosy and tuberculosis--an epidemiological comparison. Fine P. **Tubercle** 1984 Jun;65(2):137-53 (81 ref.)

The prevalence and annual rate of tuberculous infection in South Africa. Fourie PB. **Tubercle** 1983 Sep;64(3):181-92

Changes in tuberculosis notification rates in ethnic groups in England between 1971 and 1978/79. Sutherland I, et al. **Tubercle** 1984 Jun;65(2):83-91

The risk of tuberculous infection in The Netherlands from 1967 to 1979. Sutherland I, et al. **Tubercle** 1983 Dec; 64(4):241-53

[Preliminary report on disease surveillance in Liuyang County] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb;5(1):26-8 (Eng. Abstr.) **(Chi)**

[Tuberculosis and urbanization] Sankalé M. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):223-30 (30 ref.) **(Fre)**

[Tuberculosis in France. Current epidemiologic status and evolution over the last 10 years] Perdrizet S, et al. **Rev Fr Mal Respir** 1983;11(5):687-97 (Eng. Abstr.) **(Fre)**

[Epidemiologic study of the risk of tuberculosis recurrence in the Bas-Rhin, 1967-77] Petitjean R, et al. **Rev Mal Respir** 1984;1(2):93-7 (Eng. Abstr.) **(Fre)**

[The tuberculosis situation in Vietnam] Pham KQ, et al. **Z Erkr Atmungsorgane** 1983;161(1):103-6 (Eng. Abstr.) **(Ger)**

[Frequency of tuberculosis in autopsy material of the Institute of Pathology of the Friedrich Schiller University Jena] Ebert W. **Zentralbl Allg Pathol** 1983;128(1-2):81-3 (Eng. Abstr.) **(Ger)**

[Prospect of studies on tuberculosis; etiology] Aoki M. **Kekkaku** 1983 Jul;58(7):371-8 **(Jpn)**

[Tuberculosis morbidity and mortality in Poland 1981] Szczuka I. **Pneumonol Pol** 1983 Oct;51(10):509-16 (Eng. Abstr.) **(Pol)**

[Incidence of tuberculosis in Poland 1981] Szczuka I. **Pneumonol Pol** 1983 Oct;51(10):499-507 (Eng. Abstr.) **(Pol)**

[Incidence of tuberculosis and a positive tuberculin test in children exposed to patients with tuberculosis. Importance of factors linked to the source and children despite previous vaccination with intradermal BCG] Morrone N, et al. **AMB** 1983 Nov-Dec;29(11-12):182-8 (Eng. Abstr.) **(Por)**

[Epidemiology of tuberculosis in various areas of Uzbekistan with diverse agricultural specialization] Kalankhodzhaev AA, et al. **Probl Tuberk** 1983 Nov;(11):7-11 (Eng. Abstr.) **(Rus)**

[Trends in tuberculosis endemic in Bulgaria and its prognosis for the period up to the year 2000] Radanov R. **Probl Tuberk** 1984 Jan;(1):17-20 (Eng. Abstr.) **(Rus)**

[Epidemiology of tuberculosis abroad] Solov'eva VA. **Probl Tuberk** 1983 Oct;(10):64-8 (30 ref.) **(Rus)**

[The tuberculin index and the annual risk of infection as data for studying tuberculosis epidemiology] Zapatero Domínguez J. **An R Acad Nac Med (Madr)** 1983; 100(3):521-50 **(Spa)**

[Active tuberculosis in patients in hemodialysis (letter)] de March Ayuela P. **Med Clin (Barc)** 1983 Oct 22;81(12):545-6 **(Spa)**

[Current status of the problem of tuberculosis in Chile] Medina E. **Rev Med Chil** 1983 Mar;111(3):323-8 **(Spa)**

[The current status of endemic tuberculosis in Spain] Cariñena J, et al. **Rev Sanid Hig Publica (Madr)** 1982 Nov-Dec;56(11-12):1153-64 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Fulminant pneumonia and death in an immunocompromised woman. **Am J Med** 1983 Dec;75(6):1043-52

Isolated paratracheal mass of tuberculous origin in an adult patient. Vincken W, et al. **Eur J Respir Dis** 1983 Nov; 64(8):630-5

Experimental epithelioid cell granulomas, tubercle formation and immunological competence: an ultrastructural analysis. Ridley MJ, et al. **J Pathol** 1983 Oct;141(2):97-112

Tuberculosis of the parotid gland. Burrow CT, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):342-4

AIDS with Mycobacterium avium-intracellulare lesions resembling those of Whipple's disease [letter] **N Engl J Med** 1983 Nov 24;309(21):1323-5

Chronic ulceration of the hard palate: first clinical sign of undiagnosed pulmonary tuberculosis. Michaud M, et al. **Oral Surg** 1984 Jan;57(1):63-7

[Significant changes in the pathologic-anatomical manifestations of tuberculosis] Kalich R. **Z Erkr Atmungsorgane** 1983;161(1):80-5 (Eng. Abstr.) **(Ger)**

[Apropos of a case of tuberculosis of the gallbladder] Grassini M, et al. **Minerva Chir** 1984 Apr 15;39(7):573-5 (Eng. Abstr.) **(Ita)**

[Macroscopic evaluation of lesions of internal organs of guinea pigs infected with tuberculosis] Chernushenko EF, et al. **Probl Tuberk** 1984 May;(5):53-5 (Eng. Abstr.) **(Rus)**

[Comparison between the morphofunctional state of the thymus and peripheral organs of the immune system in tuberculosis] El'shanskaia MP, et al. **Probl Tuberk** 1984 Feb;(2):59-63 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Tuberculosis screening. Murata P, et al. **Am Fam Physician** 1984 Mar;29(3):247-53

Tuberculosis in Cuba. Pérez-Stable EJ, et al. **Am Rev Respir Dis** 1984 Sep;130(3):520-3

BCG vaccination against tuberculosis [letter] Rosenthal SR. **Am Rev Respir Dis** 1983 Oct;128(4):776

Preventive therapy for tuberculous infection: an intervention in need of improvement [editorial] Snider DE Jr, et al. **Am Rev Respir Dis** 1984 Sep;130(3):355-6

Tuberculin response two years after BCG vaccination at birth. Grindulis H, et al. **Arch Dis Child** 1984 Jul; 59(7):614-9

BCG vaccination as a cause of osteomyelitis and subcutaneous abscess. Peltola H, et al. **Arch Dis Child** 1984 Feb;59(2):157-61

Control and prevention of tuberculosis [letter] Ayliffe GA. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1800

Problems of tuberculosis in decline [editorial] Horne NW. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1249-51

PHLS inquiry into current BCG vaccination policy [letter] Miller CL, et al. **Br Med J [Clin Res]** 1984 Feb 18; 288(6416):564

Proceedings of the World Conference of the IUAT-3 (International Union against Tuberculosis). Buenos Aires, 15-18 December 1982. **Bull Int Union Tuberc** 1983 Sep-Dec;58(3-4):179-256

Control of tuberculosis in Delaware: an historical perspective on joint public and private involvement. Smith CM. **Del Med J** 1983 Oct;55(10):593-7

Generalized lymphadenitis following B.C.G. vaccination in an immunocompetent 12-year-old boy. Katzir Z, et al. **Eur J Pediatr** 1984 Jan;141(3):165-7

The immunological and epidemiological significance of environmental mycobacteria on leprosy and tuberculosis control. Pallen MJ. **Int J Lepr** 1984 Jun;52(2):231-45

Tuberculosis in hospital. George RH. **J Hosp Infect** 1984 Jun;5(2):109-17

A joint statement of the lung associations and tuberculosis controllers of the Southeastern states. **J Med Assoc Ga** 1983 Sep;72(9):631-3

Campaign against tuberculosis in primary school children in Bendel State, Nigeria (1975 to 1977). Alakija W. **J Trop Pediatr** 1984 Apr;30(2):111-2

The BCG controversy [letter] Pust RE. **JAMA** 1983 Dec 2;250(21):2928-9

Prevention of tuberculosis in children and tuberculin testing. Gaind BN. **Paediatr Indones** 1983 Jul-Aug;23(7-8):145-52

Tuberculosis control in Somali refugee camps. Shears P. **Tubercle** 1984 Jun;65(2):111-6

Does trypsin extract soluble antigen meet the criteria of immunogenicity without allergenicity? Smith DW, et al. **Tubercle** 1984 Jun;65(2):105-10

Chemoprophylaxis against tuberculosis. Coleman DL, et al. **West J Med** 1984 Jan;140(1):106-10

The future of the fight against tuberculosis in the world. Pio A. **Z Erkr Atmungsorgane** 1983;161(1):96-9

[BCG vaccination] Kreukniet J. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1104-5 **(Dut)**

[Is there still room for BCG vaccination in tuberculosis control?] Styblo K. **Ned Tijdschr Geneeskd** 1984 Jun 9; 128(23):1098-101 **(Dut)**

[Surveillance of tuberculosis] Shimao T. **Bull Int Union Tuberc** 1983 Mar;58(1):48-52 **(Fre)**

[BCG and the current campaign against tuberculosis in tropical countries] Guignard J, et al. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):231-5 **(Fre)**

[Development of diseases with compulsory vaccination] Levy C. **Cah Sociol Demogr Med** 1984 Jan-Mar;24(1):43-71 **(Fre)**

[Tuberculosis control in the regional health district of Mauritanian Adrar (September 1976 to September 1980)] Amblard J. **Med Trop (Mars)** 1984 Jan-Mar;44(1):49-56 (Eng. Abstr.) **(Fre)**

[The strategy of tuberculosis control in East Germany after 1982] Herrmann H. **Z Erkr Atmungsorgane** 1983; 161(1):107-16 (Eng. Abstr.) **(Ger)**

[Control priorities in tuberculosis in the endemic stage] Lock W. **Z Erkr Atmungsorgane** 1983;161(1):100-2 (Eng. Abstr.) **(Ger)**

[The development of tuberculosis control and tuberculosis epidemiology in East Germany] Steinbrück P. **Z Erkr Atmungsorgane** 1983;161(1):36-45 (Eng. Abstr.) **(Ger)**

[Discontinuation of BCG vaccination of newborn infants in Israel (editorial)] Marcus J, et al. **Harefuah** 1984 Feb 15; 106(4):185-6 **(Heb)**

[Modification of the development of experimental mouse tuberculosis by administration of a non-ionic detergent Triton WR-1339] Kondo E, et al. **Kekkaku** 1984 Apr; 59(4):295-302 (Eng. Abstr.) **(Jpn)**

[Tuberculosis control program in technically advanced countries] Shimao T. **Kekkaku** 1983 Oct;58(10):533-40 (Eng. Abstr.) **(Jpn)**

[Overview of the studies of tuberculosis (2). Prevention and control of tuberculosis: a comment at the conclusion of review series commemorating the centenary of Koch's discovery of tubercle bacilli] Shimao T. **Kekkaku** 1983 Sep; 58(9):445-51 (Eng. Abstr.) **(Jpn)**

[Chemoprophylaxis against tuberculosis] Haanaes OC, et al. **Tidsskr Nor Laegeforen** 1983 Aug 20;103(23):1624-7 (Eng. Abstr.) **(Nor)**

[Tasks of improving antituberculosis care of the rural population] **Probl Tuberk** 1983 Nov;(11):3-7 **(Rus)**

[Pressing tasks for further improvement in the prevention of tuberculosis and dispensarization] **Probl Tuberk** 1984 May;(5):3-6 **(Rus)**

[Experience in organizing antituberculosis measures concerning cattle breeders] Iakovleva TA, et al. **Probl Tuberk** 1983 Nov;(11):15-7 (Eng. Abstr.) **(Rus)**

[Experience in organizing specialist teams for the detection of tuberculosis cases in rural regions] Kurmanbaev KK, et al. **Probl Tuberk** 1983 Nov;(11):11-4 (Eng. Abstr.) **(Rus)**

[Effectiveness of antituberculosis measures and further tasks of tuberculosis control in the Chelyabinsk district] Nesterovskiĭ Ial. **Probl Tuberk** 1984 Apr;(4):10-3 (Eng. Abstr.) **(Rus)**

[Nondiscriminating BCG revaccination of young conscripts] Rybalko VV, et al. **Voen Med Zh** 1983 Nov;(11):34-5 **(Rus)**

[Some landmarks in tuberculosis control] Gavrilenko AF, et al. **Vrach Delo** 1984 Mar;(3):119-20 **(Rus)**

[The future of the anti-tuberculosis campaign. Problems and perspectives] Pio A. **Bol Of Sanit Panam** 1984 Feb; 96(2):108-18 (Eng. Abstr.) **(Spa)**

[The tuberculosis prevention and control plan of the Catalonian Parliament] Gili Miner M, et al. **Rev Sanid Hig Publica (Madr)** 1983 Mar-Apr; 57(3-4):309-17 **(Spa)**

RADIOGRAPHY

[Tuberculosis of the ear. Contribution of radiology] Marsot-Dupuch K, et al. **Ann Radiol (Paris)** 1983 Sep-Oct; 26(6):473-6 (Eng. Abstr.) **(Fre)**

REHABILITATION

[Vocational rehabilitation of patients and disabled persons with tuberculosis] Gavrilenko AF. **Probl Tuberk** 1983 Jul; (7):3-7 (Eng. Abstr.) **(Rus)**

SURGERY

Large cell anaplastic carcinoma after thoracoplasty for tuberculosis. Rabinovitz M, et al. **Respiration** 1983; 44(6):466-9

[Surgical therapy of tuberculosis] Paletto AE, et al. **Minerva Med** 1984 Mar 17;75(11):577-8 (Eng. Abstr.) **(Ita)**

[Diagnosis and surgical treatment of mediastinal, paramediastinal and intrathoracic parietal pathologic lesions] Kozhevikov SF, et al. **Probl Tuberk** 1984 Feb; (2):31-4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of tuberculosis of non-pulmonary localization] Petrov IN, et al. **Vestn Khir** 1984 Jun; 132(6):51-5 (Eng. Abstr.) **(Rus)**

THERAPY

Adoptive protection of the Mycobacterium tuberculosis-infected lung. Dissociation between cells that passively transfer protective immunity and those that transfer delayed-type hypersensitivity to tuberculin. Orme IM, et al. **Cell Immunol** 1984 Mar;84(1):113-20

Management of tuberculosis in rural areas [letter] Donnelly K. **Trop Doct** 1984 Jan;14(1):47

[Treatment modalities applied to tuberculosis patients in a French department. Hautes-Pyrénées, 1973 to 1980] Hetrick G, et al. **Rev Fr Mal Respir** 1983;11(6):883-7 (Eng. Abstr.) (Fre)

[Tuberculosis: transmission, current therapeutic concepts] Heinzl S. **Med Monatsschr Pharm** 1983 Oct;6(10):302-4 (Ger)

[Ambulatory therapy of tuberculosis] Arizio A. **Minerva Med** 1984 Mar 17;75(11):573-6 (Eng. Abstr.) (Ita)

[Treatment of tuberculosis patients in sanatoria-prophylactoria, an effective factor in reducing temporary disability] Golovin IA, et al. **Probl Tuberk** 1983 Jul;(7):11-3 (Eng. Abstr.) (Rus)

TRANSMISSION

Perinatal transmission of tuberculosis: meningitis in mother, disseminated disease in child. Petrini B, et al. **Scand J Infect Dis** 1983;15(4):403-5

[Infection of an infant by a mother with tuberculous suppurative changes in the breasts] Kurzawa R. **Pediatr Pol** 1983 Nov;58(11):905-7 (Pol)

VETERINARY

BCG-induced anaemia in mice: no direct effect of the growth of bacilli. Milon G, et al. **Ann Immunol (Paris)** 1984 Mar-Apr;135C(2):195-204

The effect of bovine ephemeral fever on milk production. Davis SS, et al. **Aust Vet J** 1984 Apr;61(4):128

An outbreak of Mycobacterium bovis infection in cats in an animal house. Isaac J, et al. **Aust Vet J** 1983 Aug; 60(8):243-5

Tuberculosis in the frog Rana tigerina (Daud). Tewari MK, et al. **Indian J Exp Biol** 1983 Apr;21(4):219-21

Avian tuberculosis in pigs: Mycobacterium intracellulare infection in a breeding herd. Windsor RS, et al. **Vet Rec** 1984 May 19;114(20):497-500

[Examination of people and animals for tuberculosis and measures for its prevention] Khamrakulov RSh, et al. **Probl Tuberk** 1984 Mar;(3):12-4 (Eng. Abstr.) (Rus)

TUBERCULOSIS, AVIAN

MICROBIOLOGY

The role of wild birds and their ectoparasites (ticks) in the circulation and distribution of M. avium and possible formation of natural foci of avian tuberculosis. Kovalev GK. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):281-8

PATHOLOGY

Mycobacteriosis in psittacine birds. Panigrahy B, et al. **Avian Dis** 1983 Oct-Dec;27(4):1166-8

Avian tuberculosis in pigs: miliary lesions in bacon pigs. Windsor RS, et al. **J Hyg (Lond)** 1984 Apr;92(2):129-38

Tuberculosis in a Mandarin duck. Gillespie D, et al. **Mod Vet Pract** 1982 Sep;63(9):745-7

PREVENTION & CONTROL

[Experience in organizing specialist teams for the detection of tuberculosis cases in rural regions] Kurmanbaev KK, et al. **Probl Tuberk** 1983 Nov;(11):11-4 (Eng. Abstr.) (Rus)

TUBERCULOSIS, BOVINE

HISTORY

The conquest of tuberculosis. A contribution of American veterinary medicine to human welfare. Faler K. **Mod Vet Pract** 1984 Jan;65(1):51-3

[History of the control of tuberculosis in farm animals] Goregliad KhS, et al. **Probl Tuberk** 1983 Nov;(11):71-3 (Rus)

MICROBIOLOGY

The bovine tubercle bacillus. Collins CH, et al. **J Appl Bacteriol** 1983 Aug;55(1):13-29 (39 ref.)

OCCURRENCE

[Incidence of bovine tuberculosis and its relation to the health of the population of North Kivu (Zaire)] Mposhy M, et al. **Rev Elev Med Vet Pays Trop** 1983;36(1):15-8 (Eng. Abstr.) (Fre)

PATHOLOGY

[Histologic and electron microscopy studies of the adrenal cortex in cows with pulmonary tuberculosis] Jover A, et al. **DTW** 1983 Nov 7;90(11):486-90 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[Experience in organizing specialist teams for the detection of tuberculosis cases in rural regions] Kurmanbaev KK, et al. **Probl Tuberk** 1983 Nov;(11):11-4 (Eng. Abstr.) (Rus)

TRANSMISSION

Mycobacterium tuberculosis humanis causing zoonotic tuberculosis among cattle. Krishnaswami KV, et al. **Indian J Public Health** 1983 Apr-Jun;27(2):60-3

TUBERCULOSIS, CARDIOVASCULAR

COMPLICATIONS

Sudden death due to myocardial tuberculosis. Wallis PJ, et al. **Thorax** 1984 Feb;39(2):155-6

[Major intestinal loss of proteins associated with tuberculous constrictive pericarditis. Initial failure of alpha 1-antitrypsin clearance caused by a zone phenomenon (letter)] Krainik F, et al. **Presse Med** 1984 May 5; 13(19):1219 (Fre)

[Case of aortic valve insufficiency due to sclerosing periaortitis of tuberculous etiology] Shustval' NF, et al. **Vrach Delo** 1983 Sep;(9):49-50 (Rus)

DIAGNOSIS

Echocardiographic abnormalities in tuberculous pericardial effusion. Chia BL, et al. **Am Heart J** 1984 May;107(5 Pt 1):1034-5

Right atrial tuberculoma: report of a case with complete recovery. Krishnaswami H, et al. **Thorax** 1984 Jul; 39(7):550-1

ETIOLOGY

[The heart in tuberculosis] Magri G, et al. **Minerva Med** 1984 Mar 17;75(11):581-4 (Eng. Abstr.) (Ita)

[Cardiac lesions in generalized hematogenic tuberculosis] Anichkov NM, et al. **Arkh Patol** 1984;46(5):74-6 (Eng. Abstr.) (Rus)

PATHOLOGY

Cardiac tuberculosis: TB of the endocardium. Kannangara DW, et al. **Am J Med Sci** 1984 May-Jun;287(3):45-7

[A case of tuberculous myocarditis and rupture oi a dissecting aortic aneurysm and of the left coronary artery of the heart during surgery for an aortic heart defect] Nesheva P, et al. **Vutr Boles** 1984;23(2):135-40 (Eng. Abstr.) (Bul)

RADIONUCLIDE IMAGING

Ga-67 cardiac uptake. Lin DS, et al. **Clin Nucl Med** 1983 Dec;8(12):603-4

TUBERCULOSIS, CUTANEOUS

Tuberculosis of the skin. Harahap M. **Int J Dermatol** 1983 Nov;22(9):542-5

COMPLICATIONS

Dactylitis and tuberculid eruptions in a child with primary tuberculosis. Westman JA, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):251-3

[Erythema nodosum and tuberculid as the only symptoms in primary pulmonary tuberculosis] Hebelka M, et al. **Lakartidningen** 1984 Jun 27;81(26-27):2606 (Swe)

DIAGNOSIS

Tuberculosis of the skin [letter] Holdiness MR. **Int J Dermatol** 1984 Jun;23(5):357-8

ETIOLOGY

Disseminated atypical mycobacterial infection in hairy cell leukemia. Gallo JH, et al. **Pathology** 1983 Jul;15(3):241-5

[Papular tuberculids as a manifestation of major abdominal lymph node tuberculosis] Faure M, et al. **Ann Dermatol Venereol** 1983;110(8):643-4 (Fre)

IMMUNOLOGY

Immunocytochemical demonstration of rabbit ribonuclease and phospholipase A2 by the peroxidase-antiperoxidase technique in professional phagocytes (pulmonary alveolar macrophages and granulocytic and mononuclear peritoneal exudate cells) and in glycol methacrylate sections of dermal tuberculous (BCG) lesions. Namba M, et al. **J Reticuloendothel Soc** 1983 Dec;34(6):425-35

MICROBIOLOGY

[Cutaneous Mycobacterium haemophilum mycobacteriosis in a kidney transplant patient (letter)] Branger B, et al. **Presse Med** 1983 Nov 19;12(42):2699 (Fre)

OCCURRENCE

[Cutaneous tuberculosis 1946-1981 according to the data of the Dermatological Clinic in Poznan] Machoñko T, et al. **Przegl Dermatol** 1983 Mar-Apr;70(2):163-7 (Eng. Abstr.) (Pol)

PATHOLOGY

Pathology of granulomatous diseases. Epithelioid granulomas, Part I. Hirsh BC, et al. **Int J Dermatol** 1984 May;23(4):237-46

[Darier's atypical tuberculous ulcer] Goujon C, et al. **Ann Dermatol Venereol** 1983;110(12):1011-5 (Fre)

[Tuberculous ulceration of the nose] Lemarchand-Venencie F, et al. **Ann Dermatol Venereol** 1983;110(9):731-2 (Fre)

[Anatomo-clinical conference. Hôpital Cochin. Case no. 5—1983. Interstitial pneumopathy, polyarthritis and subcutaneous nodules in a 45-year-old man] Choudat D, et al. **Ann Med Interne (Paris)** 1983;134(5):492-7 (Fre)

[Subcutaneous fistulous tuberculosis] Ilichkin NF. **Voen Med Zh** 1984 Feb;(2):50-1 (Rus)

TUBERCULOSIS, ENDOCRINE

COMPLICATIONS

A case of tuberculous epididymitis associated with Addison's disease. Higashihara M, et al. **Endocrinol Jpn** 1984 Feb; 31(1):1-5

Endocrine emergencies: additional points [letter] Ahmad S. **Postgrad Med** 1984 Apr;75(5):44, 48

[Goodpasture's syndrome associated with tuberculosis of the adrenal glands] Krut'ko VS, et al. **Probl Tuberk** 1983 Nov; (11):69-70 (Rus)

DIAGNOSIS

Wasting illness in a 33-year-old woman [clinical conference] **Am J Med** 1984 Feb;76(2):302-8

SURGERY

[Tuberculous thyroiditis: report of 4 cases] Li YN. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):388-90 (Eng. Abstr.) (Chi)

TUBERCULOSIS, FEMALE GENITAL

[Female genital tuberculosis, a changing reality] Lanza A, et al. **Minerva Med** 1984 Mar 17;75(11):613-6 (Eng. Abstr.) (Ita)

COMPLICATIONS

Female genital tuberculosis and consequent infertility. Punnonen R, et al. **Int J Fertil** 1983;28(4):235-8

[Female genital tuberculosis. Apropos of a case of salpingo-sigmoidal fistula] Clotteau JE, et al. **Chirurgie** 1983;109(5):374-7 (Eng. Abstr.) (Fre)

[Latent female genital tuberculosis and sterility] De Luca P, et al. **Arch Ostet Ginecol** 1982 Sep-Dec;87(5-6):279-303 (Eng. Abstr.) (Ita)

[A case of uterus involvement with tuberculosis and malignant tumor] Kolachevskaia EN, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):68-9 (Rus)

DIAGNOSIS

Wasting illness in a 33-year-old woman [clinical conference] **Am J Med** 1984 Feb;76(2):302-8

The changing pattern of tuberculosis of the female genital tract. A thirty year survey. Sutherland AM. **Arch Gynecol** 1983;234(2):95-101

Viable term pregnancy with active syphilis, pelvic tuberculosis, and Pott's disease: report of case. Shaw CT, et al. **J Am Osteopath Assoc** 1983 Nov;83(3):222-4

Sonographic features of tuberculous endometritis. Lee J, et al. **JCU** 1983 Aug;11(6):331-3

[Immune rosette formation in the differential diagnosis of tuberculosis of the female genitalia] Agzamov RA, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):69-70 (11 ref.) (Rus)

[Immunodiagnosis, evaluation of the immunological state and immunotherapy of tuberculosis and nonspecific diseases of the female genital organs] Gogebashvili NV, et al. **Probl Tuberk** 1983 Sep;(9):63-9 (88 ref.) (Rus)

[Diseases presenting as tuberculosis of the female genital organs] Mochalova TP, et al. **Probl Tuberk** 1983 Nov; (11):70-1 (Rus)

DRUG THERAPY

[Combined traditional Chinese medicine and western medicine in the treatment of inflammatory diseases in gynecology] Yu ZJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):231-3 (Chi)

[Blood and Fallopian tube bacteriostatic activity in tuberculosis of the female genital organs] Kolachevskaia EN, et al. **Probl Tuberk** 1984 Feb;(2):64-6 (Eng. Abstr.) (Rus)

ETIOLOGY

[Pathogenesis of tuberculosis of female genital organs in light of new experimental findings] Bellendir EN, et al. **Probl Tuberk** 1983 Oct;(10):59-63 (20 ref.) (Eng. Abstr.) (Rus)

PATHOLOGY

[Tuberculosis of the breast. Presentation of 3 clinical cases] Costantino V, et al. **Minerva Med** 1983 Oct 13; 74(39):2309-11 (Eng. Abstr.) (Ita)

TUBERCULOSIS, GASTROINTESTINAL

COMPLICATIONS

Tuberculosis presenting as inflammatory bowel disease.

Report of two cases. Ehsannulah M, et al. **Dis Colon Rectum** 1984 Feb;27(2):134–6

Tuberculous perforation of the bowel—results in 21 cases. Eggleston FC, et al. **Trop Gastroenterol** 1983 Jul–Sep; 4(3):164–7

[Malabsorption and intestinal tuberculosis. Apropos of a case] Benamour S, et al. **Rev Med Interne** 1984 Jun;5(2):152–3 **(Fre)**

[A case of intestinal tuberculosis complicated by obstruction] Szechiński J, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1483–4 (Eng. Abstr.) **(Pol)**

[Complicated intestinal tuberculosis] Rasslan S, et al. **AMB** 1984 Jan–Feb;30(1–2):39–42 (Eng. Abstr.) **(Por)**

[Recurring intestinal fistulas of tuberculous etiology] Deshkevich VS, et al. **Klin Khir** 1984 Mar;(3):52–3 **(Rus)**

DIAGNOSIS

Tuberculosis of the large bowel. Report of two cases. Knutson L, et al. **Acta Chir Scand** 1984;150(4):345–8

Wasting illness in a 33-year-old woman [clinical conference] **Am J Med** 1984 Feb;76(2):302–8

Colonoscopic diagnosis of colonic tuberculosis [letter] Goldberg J. **Gastrointest Endosc** 1984 Jun;30(3):216

Tuberculosis of the stomach—a case report. Dayal JP, et al. **Indian J Cancer** 1983 Jul–Aug;20(3):176–8

Abdominal tuberculosis. A 10-year review. Gilinsky NH, et al. **S Afr Med J** 1983 Nov 19;64(22):849–57

[Ileo-cecal tuberculosis. A difficult diagnosis] Descos B, et al. **Arch Fr Pediatr** 1983 Dec;40(10):789–91 (Eng. Abstr.) **(Fre)**

[Ileocecal tuberculosis: a problem of differential diagnosis. Report on 2 cases] Natsikas N, et al. **Chirurg** 1984 Mar; 55(3):184–6 **(Ger)**

[Esophagitis—a rare manifestation of florid tuberculosis] Sander U, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:487–9 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the sigmoid] Skjeldal S. **Tidsskr Nor Laegeforen** 1983 Sep 20;103(26):1813–4 **(Nor)**

[Tuberculosis of the large intestine] Głuszek S, et al. **Wiad Lek** 1984 Feb 15;37(4):287–9 (Eng. Abstr.) **(Pol)**

[Intestinal tuberculosis. Experience in 14 cases] Ruiz Galiana J, et al. **Rev Clin Esp** 1983 Oct 31;171(2):89–92 (Eng. Abstr.) **(Spa)**

[Abdominal tuberculosis is difficult to diagnose if there are no lung changes] Sundkvist T. **Lakartidningen** 1984 Apr 18;81(16):1640 **(Swe)**

ETIOLOGY

[Incidence of secondary intestinal tuberculosis (letter)] Jozefovics F. **Orv Hetil** 1983 Sep 25;124(39):2402 **(Hun)**

[Case of pulmonary tuberculosis with the development of ileal perforation during chemotherapy] Hatake K, et al. **Kekkaku** 1983 Apr;58(4):267–70 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Intestinal tuberculosis, Crohn's disease and ulcerative colitis in an urban black population. Segal I. **S Afr Med J** 1984 Jan 14;65(2):37–44

PATHOLOGY

Tuberculosis of the colon in a kidney transplant patient. Forslund T, et al. **Acta Med Scand** 1984;215(2):181–4

RADIOGRAPHY

Enteroliths in tuberculous strictures of intestines. Gupta SK, et al. **Indian J Gastroenterol** 1984 Apr;3(2):89–91

[Computer tomography aspects in the diagnosis of tuberculosis in the area of the abdomen and urogenital tract] Becker W, et al. **Computertomographie** 1983 Dec; 3(4):142–5 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS, HEPATIC

'Primary' tuberculosis of the liver. Desai HG, et al. **Indian J Gastroenterol** 1983 Apr;2(1):14–6

COMPLICATIONS

Periportal tuberculous adenitis: a rare cause of obstructive jaundice. Stanley JH, et al. **Gastrointest Radiol** 1984; 9(3):227–9

Simultaneous hepatic tuberculosis, cirrhosis and hepatoma. A case report. Essop AR, et al. **S Afr Med J** 1983 Dec 31;64(28):1102–4

[Acute tuberculous sepsis] Audulev VK. **Vrach Delo** 1984 Jun;(6):69–71 **(Rus)**

DIAGNOSIS

Report of tuberculous hepatitis presenting as metastatic disease. Fernandes JD, et al. **Clin Nucl Med** 1984 Jun; 9(6):345–7

Solitary tuberculoma of liver: laparoscopic, histologic, and cytologic diagnosis [letter] Bhargava DK, et al. **Gastrointest Endosc** 1983 Nov;29(4):329–30

Primary miliary tuberculosis of the liver. Sarin SK, et al. **J Assoc Physicians India** 1984 Apr;32(4):367–8

Hepatic tuberculosis simulating hepatic amoebiasis. Tahiliani RR, et al. **J Assoc Physicians India** 1983 Oct;31(10):679–80

Primary tuberculosis of the liver–a case report. Essop AR, et al. **Tubercle** 1983 Dec;64(4):291–3

Tuberculous liver abscess. Spiegel CT, et al. **Tubercle** 1984 Jun;65(2):127–31

[A case of tuberculoma of the liver and spleen] Sumino Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb; 81(2):267–71 **(Jpn)**

[Case of ante mortem diagnosis of isolated tuberculosis of the liver and peritoneum] Poliakov GD, et al. **Probl Tuberk** 1983 Jul;(7):68 **(Rus)**

PATHOLOGY

[Hepatic tuberculoma: apropos of 2 case reports] Villegas Sánchez G, et al. **Med Clin (Barc)** 1983 Oct 22; 81(12):528–30 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Radiocolloid liver imaging in tuberculous hepatitis. Essop AR, et al. **Clin Nucl Med** 1984 Feb;9(2):81–4

TUBERCULOSIS IN CHILDHOOD

BLOOD

[Functional activity of blood leukocytes in children with tuberculosis] Bozhenov IuA, et al. **Pediatriia** 1984 Mar; (3):56–7 **(Rus)**

[Polyacrylamide gel electrophoresis of blood proteins in children with respiratory tuberculosis] Osina NA, et al. **Probl Tuberk** 1983 Nov;(11):49–52 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Case of concomitant rheumatoid arthritis and tuberculosis] Ivanova MV, et al. **Pediatriia** 1983 Jun;(6):69–71 **(Rus)**

[Bronchial changes in children with primary tuberculosis] Spitsyna TA, et al. **Probl Tuberk** 1984 Apr;(4):26–30 (Eng. Abstr.) **(Rus)**

[Complications of primary tuberculosis in children under present-day conditions] Vasil'eva NP, et al. **Probl Tuberk** 1984 Apr;(4):30–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Tuberculosis with atypical clinical picture in an 8-year-old boy with cystic lung] Majewska-Zalewska H. **Pediatr Pol** 1983 Dec;58(12):985–8 **(Pol)**

[Evaluation of environmental factors affecting the diagnosis and course of tuberculosis in childhood] Majewska-Zalewska H, et al. **Pediatr Pol** 1983 Oct; 58(10):769–74 (Eng. Abstr.) **(Pol)**

[Diagnostic role of the tuberculin test] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):793–802 (Eng. Abstr.) **(Pol)**

[Interval of time from the first sign of disease until the verification of the diagnosis of tuberculosis in children] Grigorescu V, et al. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar; 33(1):45–52 (Eng. Abstr.) **(Rum)**

[Clinical and immunological characteristics of early manifestations and small variants of tuberculosis in children] Derkach EV. **Probl Tuberk** 1983 Sep;(9):43–6 (Eng. Abstr.) **(Rus)**

[Diagnosis of mild forms of tuberculosis of the intrathoracic lymph nodes in children] Mitinskaia LA, et al. **Probl Tuberk** 1984 Apr;(4):73–5 **(Rus)**

DRUG THERAPY

Pediatric and pregnancy tuberculosis treatment protocols. **Ala Med** 1984 Jan;53(7):21–2

Thirty years after isoniazid. Its impact on tuberculosis in children and adolescents. Hsu KH. **JAMA** 1984 Mar 9; 251(10):1283–5

Short-course chemotherapy for tuberculosis in children. Abernathy RS, et al. **Pediatrics** 1983 Dec;72(6):801–6

[Changes in the isoniazid inactivation index during antituberculosis treatment in children] Bouveret JP, et al. **Arch Fr Pediatr** 1983 Oct;40(8):615–9 (Eng. Abstr.) **(Fre)**

[Results of intermittent treatment of tuberculosis and Mycobacteria shedding in children] Rudnik J, et al. **Pediatr Pol** 1983 Dec;58(12):941–55 (Eng. Abstr.) **(Pol)**

[Clinical trials, in children, of an anti-tubercular preparation. Sinerdol-EH in a potable solution] Fierbinţeanu O, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):215–26 (Eng. Abstr.) **(Rum)**

[Rifampin in the treatment of children with newly detected intrathoracic tuberculosis] Gvasaliia T. **Probl Tuberk** 1984 Apr;(4):46–50 (Eng. Abstr.) **(Rus)**

[Advances in the treatment of pulmonary tuberculosis in children] Alcaide Megias J, et al. **An Esp Pediatr** 1983 Sep; 19 Suppl 19:12–7 **(Spa)**

[Toxicity in the current treatment of pulmonary tuberculosis in children] Altet Gómez MN, et al. **An Esp Pediatr** 1984 Jan;20(1):18–27 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Tuberculin reaction in children treated with isoniazid. Hsu KH. **Am J Dis Child** 1983 Nov;137(11):1090–2

[HLA-BW35 and children's tuberculosis] Jiang ZF. **Chung Hua I Hsueh Tsa Chih** 1984 Apr;64(4):210–2 (Eng. Abstr.) **(Chi)**

[Sensitivity to tuberculin in children with various types of tuberculosis of the respiratory system] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):803–10 (Eng. Abstr.) **(Pol)**

[Immunological characteristics of hyperergic reactions to tuberculin] Roslik SM, et al. **Probl Tuberk** 1984 Jan;(1):12–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Detection of Koch's bacilli in children with tuberculosis] Majewska-Zalewska H, et al. **Pediatr Pol** 1983 Oct; 58(10):811–8 (Eng. Abstr.) **(Pol)**

MORTALITY

[Epidemiological and clinico-statistical findings on tuberculosis in children in the Firenze province. II. Data relating to morbidity and infectivity 1971–1980] Calandi C, et al. **Ann Sclavo** 1982 Jul–Aug;24(4):352–67 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Recent trends in tuberculosis in children. Powell KE, et al. **JAMA** 1984 Mar 9;251(10):1289–92

Incidence of childhood tuberculosis after neonatal BCG vaccination. Curtis HM, et al. **Lancet** 1984 Jan 21; 1(8369):145–8

[Epidemiological situation with regard to tuberculosis in childhood and current problems of its control] Rudnik J. **Pediatr Pol** 1983 Oct;58(10):757–68 (Eng. Abstr.) **(Pol)**

[Changes in the clinical aspect of tuberculosis in children in the past 3 decades (1950–1980)] Calciu M, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec;32(4):333–43 (Eng. Abstr.) **(Rum)**

[Structure of clinical forms of tuberculosis and its course in children and adolescents of rural localities] Budnevich RI, et al. **Probl Tuberk** 1983 Nov;(11):23–7 (Eng. Abstr.) **(Rus)**

[Incidence of tuberculosis in x-ray negative and x-ray positive prepubertal children and adolescents] Chalka VS, et al. **Probl Tuberk** 1983 Dec;(12):14–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Regional functions of the lungs in children with tuberculosis and nonspecific diseases of the respiratory organs] Zhukovskii LI, et al. **Probl Tuberk** 1984 Apr;(4):41–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Appropriate technology: child health [letter] Tudor-Williams G. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):438–9

The use of a sonicate preparation of Mycobacterium tuberculosis (new tuberculin) in the assessment of BCG vaccination. Stanford JL, et al. **Tubercle** 1983 Dec; 64(4):275–82

[Effectiveness of BCG vaccination] Kubit S, et al. **Pediatr Pol** 1983 Oct;58(10):775–81 (Eng. Abstr.) **(Pol)**

[BCG vaccination of infants aged 11–12 months without previous tuberculin test] Szczuka I, et al. **Pediatr Pol** 1983 Oct;58(10):783–91 (Eng. Abstr.) **(Pol)**

[Centralized monitoring of contingents of children registered at tuberculosis dispensaries] Chugaev IuP, et al. **Probl Tuberk** 1983 Oct;(10):17–9 (9 ref.) (Eng. Abstr.) **(Rus)**

[Course of tuberculosis in unvaccinated and BCG-vaccinated children] Elizarov BM, et al. **Probl Tuberk** 1983 Dec; (12):10–3 (Eng. Abstr.) **(Rus)**

[Ways of increasing the effectiveness of preventive measures among children from tuberculosis foci] Mitinskaia LA, et al. **Probl Tuberk** 1984 Apr;(4):3–5 (Eng. Abstr.) **(Rus)**

[BCG at birth: a discussion of its convenience at the present time] Fernández Martínez M, et al. **An Esp Pediatr** 1984 May;20(8):751–5 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Extensive pulmonary tuberculosis with destroyed lung in children] Debelić M, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:465–7 (Eng. Abstr.) **(Ger)**

[Tuberculous changes in the trochanter major diagnosed in infancy] Dreissiger I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(3):217–20 (Eng. Abstr.) **(Hun)**

SURGERY

[Surgical treatment of pleuropulmonary tuberculosis in children] Coman C, et al. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar;33(1):53–8 (Eng. Abstr.) **(Rum)**

[Methods of surgical treatment of tuberculosis of the intrathoracic lymph nodes of children and adolescents] Shulutko ML, et al. **Probl Tuberk** 1983 Oct;(10):23–7 (14 ref.) (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, LARYNGEAL

DIAGNOSIS

Laryngeal tuberculosis. Shah AC, et al. **Ear Nose Throat J** 1984 Mar;63(3):175–9

Laryngeal tuberculosis: review of twenty cases. Levenson MJ, et al. **Laryngoscope** 1984 Aug;94(8):1094–7

[Laryngeal tuberculosis: experience with 16 cases] Ibarra A, et al. **Rev Med Chil** 1983 Jan;111(1):39–42 (Eng. Abstr.)

(Spa)

OCCURRENCE

Tuberculosis of the larynx. A 10-year review of 14 patients. Araki S, et al. **Auris Nasus Larynx** 1983;10 Suppl:S91-5

[Recent tendency of laryngeal tuberculosis--a report pf 12 cases] Tsuda M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Nov;86(11):1370-6 (Eng. Abstr.) (Jpn)

PATHOLOGY

Tuberculous granuloma of the epiglottis. Khan I. **J Laryngol Otol** 1983 Oct;97(10):969-71

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1983. A 60-year-old man with progressive hoarseness. **N Engl J Med** 1983 Dec 22;309(25):1569-74

TUBERCULOSIS, LYMPH NODE

COMPLICATIONS

Scrofula followed by AIDS [letter] Marchiando A. **Ear Nose Throat J** 1984 Mar;63(3):197-8

Kaposi's sarcoma, tuberculosis and Hodgkin's lymphoma in a lymph node--possible acquired immunodeficiency syndrome. A case report. Hayes MM, et al. **S Afr Med J** 1984 Aug 11;66(6):226-9

[Jaundice of neoplastic appearance caused by tuberculous lymph node compression of the hepatic pedicle (letter)] Beau P, et al. **Gastroenterol Clin Biol** 1983 Nov; 7(11):939-40 (Fre)

[Compressive tuberculous lymphadenitis of the common bile duct: spontaneous recovery by fistulization in the choledochus] Lafay JP, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):915-8 (Eng. Abstr.) (Fre)

[Splenic vein obstruction due to tuberculous lymphadenitis in the splenic hilum] Inoue S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1792-5 (Jpn)

[Incidence of radiologic changes in the lungs and lymphogenic changes in the bronchi in children with primary tuberculosis] Rudnik J, et al. **Pediatr Pol** 1983 Nov; 58(11):879-86 (Eng. Abstr.) (Pol)

[Thyrocatechol syndrome in a patient with extrapulmonary tuberculosis] Saim A, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct-Dec;32(4):349-52 (Eng. Abstr.) (Rum)

[Aortic aneurysm with penetration into the main bronchus, caused by secondary tubercular bronchoadenitis] Borisov VV, et al. **Grudn Khir** 1983 Nov-Dec;(6):79-80 (Rus)

[Acute tuberculous sepsis] Audulev VK. **Vrach Delo** 1984 Jun;(6):69-71 (Rus)

[Tuberculosis and pseudoleukemia (letter)] Sala Rodó M, et al. **Med Clin (Barc)** 1984 Jan 21;82(2):90 (Spa)

DIAGNOSIS

Chronic lymphadenopathy due to mycobacterial infection. Clinical features, diagnosis, histopathology, and management. Margileth AM, et al. **Am J Dis Child** 1984 Oct;138(10):917-22

Calcific pelvic lymphadenopathy presenting as a postmenopausal adnexal mass. A case report. Barter JF, et al. **J Reprod Med** 1984 Mar;29(3):209-10

Cervicofacial mycobacterial infections presenting as major salivary gland disease. Stanley RB, et al. **Laryngoscope** 1983 Oct;93(10):1271-5

Utility of tuberculin testing in children under 5 years of age. Gaind BN, et al. **Paediatr Indones** 1983 Sep-Oct; 23(9-10):197-200

[Papular tuberculids as a manifestation of major abdominal lymph node tuberculosis] Faure M, et al. **Ann Dermatol Venereol** 1983;110(8):643-4 (Fre)

[Clinical aspects and therapy of peripheral lymph node tuberculosis today] Jung HD, et al. **Dermatol Monatsschr** 1984;170(4):225-31 (Eng. Abstr.) (Ger)

[Primary cervical tubercular infection and post-primary oropharyngeal tuberculosis] Bianchi C, et al. **Acta Otorhinolaryngol Ital** 1983 Nov-Dec;3(6):641-7 (Eng. Abstr.) (Ita)

[Diagnostic difficulties in generalized miliary tuberculosis] Powalowska J, et al. **Wiad Lek** 1983 Apr 15;36(8):683-6 (Eng. Abstr.) (Pol)

[Diagnostic problems in cervical tumefactions] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 1984 Jan-Mar; 29(1):13-7 (Eng. Abstr.) (Rum)

[2 cases of anomalies of the mediastinal vessels, imitating tuberculosis of the intrathoracic lymph nodes] Gulia DI, et al. **Grudn Khir** 1983 Nov-Dec;(6):84-5 (Rus)

[Present-day manifestations of tuberculosis in young children] Gracheva RP, et al. **Pediatriia** 1984 May;(5):12-4 (Rus)

[Importance of determining lactate dehydrogenase isoenzymes in the blood serum in the diagnosis of peripheral lymph node tuberculosis] Dolgo-Saburova IS, et al. **Probl Tuberk** 1984 Mar;(3):36-9 (Eng. Abstr.) (Rus)

[Case of osteochondroma of a rib mistaken for tuberculous bronchoadenitis] Donchenko VL, et al. **Probl Tuberk** 1983 Aug;(8):67-8 (Rus)

[Diagnosis of mild forms of tuberculosis of the intrathoracic lymph nodes in children] Mitinskaia LA, et al. **Probl Tuberk** 1984 Apr;(4):73-5 (Rus)

[Bronchial tuberculosis with reactivation of the specific process in the intrathoracic lymph nodes] Tarasov AS, et al. **Probl Tuberk** 1984 Apr;(4):23-6 (Eng. Abstr.) (Rus)

[Feasibility of differential diagnosis of isolated lesions of mediastinal lymph nodes] Chekharina EA, et al. **Vopr Onkol** 1983;29(9):41-5 (Eng. Abstr.) (Rus)

[Characteristics of the course of adenogenous tuberculosis] Shulutko ML, et al. **Vrach Delo** 1983 Nov;(11):44-5 (Eng. Abstr.) (Rus)

[Peripheral tuberculous adenitis] Rufi Rigau G. **Med Clin (Barc)** 1984 Apr 14;82(14):624-6 (Spa)

[Abdominal tuberculosis is difficult to diagnose if there are no lung changes] Sundkvist T. **Lakartidningen** 1984 Apr 18;81(16):1640 (Swe)

DRUG THERAPY

Treatment of tuberculous masses in the neck. Deitel M, et al. **Can J Surg** 1984 Jan;27(1):90-3

ETIOLOGY

[Subacute cervical adenitis in children. Focus on adenitis due to atypical Mycobacteria] Van Reck J, et al. **Acta Stomatol Belg** 1983 Dec;80(4):305-10 (Fre)

IMMUNOLOGY

[Sensitivity to tuberculin in children with various types of tuberculosis of the respiratory system] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):803-10 (Eng. Abstr.) (Pol)

MICROBIOLOGY

Mycobacterial cervical lymphadenopathy. Relation of etiologic agents to age. Lai KK, et al. **JAMA** 1984 Mar 9;251(10):1286-8

[Characteristics of acid-fast organisms isolated from tuberculous lymphadenitis-lesion of two children who had been BCG-vaccinated. Differentiation of BCG from other strains of Mycobacterium bovis] Tsukamura M, et al. **Kekkaku** 1984 Apr;59(4):289-93 (Eng. Abstr.) (Jpn)

[Characteristics of clinical features of tuberculosis of the peripheral lymph nodes with the isolation of L forms of Mycobacterium tuberculosis] Karachunskiĭ MA, et al. **Probl Tuberk** 1983 Nov;(11):32-6 (Eng. Abstr.) (Rus)

OCCURRENCE

[Epidemiology of peripheral lymph node tuberculosis] Jung HD, et al. **Dermatol Monatsschr** 1984;170(4):232-6 (Eng. Abstr.) (Ger)

[The diagnosis of tubercular lymphadenitis in the case records of the Institute of Pathological Anatomy of Siena University in 1970-1981] Luzi P, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):447-53 (Eng. Abstr.) (Ita)

PATHOLOGY

Cellular composition of hypersensitivity-type granulomas: immunohistochemical analysis of tuberculous and sarcoidal lymphadenitis. van den Oprd JJ, et al. **Hum Pathol** 1984 Jun;15(6):559-65

[Anatomo-clinical conference, pitié-Salpêtrière Hospital. Case No. 3--1983. Walking difficulties in an Algerian woman] Cabane J, et al. **Ann Med Interne (Paris)** 1983; 134(3):264-8 (Fre)

RADIOGRAPHY

The value of CT scanning in the diagnosis of tuberculous lymphadenitis of the neck. Patel MP, et al. **Comput Radiol** 1984 Jan-Feb;8(1):21-3

[Computed tomographic appearance of the abdominal lymphadenopathy due to tuberculosis] Yamada T, et al. **Rinsho Hoshasen** 1984 Feb;29(2):323-6 (Eng. Abstr.) (Jpn)

[Case of tuberculosis of the tracheobronchial lymph nodes with a shadow interpreted as a lung tumor] Mruk A. **Pediatr Pol** 1983 Nov;58(11):901-4 (Pol)

[Tuberculous pseudotumor of the retroperitoneum] Franco Júnior SC. **AMB** 1983 Jul-Aug;29(7-8):143 (Eng. Abstr.) (Por)

SURGERY

[Methods of surgical treatment of tuberculosis of the intrathoracic lymph nodes of children and adolescents] Shulutko ML, et al. **Probl Tuberk** 1983 Oct;(10):23-7 (14 ref.) (Eng. Abstr.) (Rus)

THERAPY

[Combined traditional Chinese medicine and western medicine in the treatment of 356 cases of scrofula of the neck and axilla] Li SZ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):90-2 (Eng. Abstr.) (Chi)

VETERINARY

Isolation of Mycobacterium kansasii from lymph nodes of cattle in the United States. Jarnagin JL, et al. **Am J Vet Res** 1983 Oct;44(10):1853-5

TUBERCULOSIS, MALE GENITAL

COMPLICATIONS

Addison's disease with adrenal enlargement on computed tomographic scanning. Report on two cases of tuberculosis and review of the literature. McMurry JF Jr, et al. **Am J Med** 1984 Aug;77(2):365-8

A case of tuberculous epididymitis associated with Addison's disease. Higashihara M, et al. **Endocrinol Jpn** 1984 Feb; 31(1):1-5

TUBERCULOSIS, MENINGEAL

BLOOD

Value of C reactive protein measurement in tuberculous, bacterial, and viral meningitis. de Beer FC, et al. **Arch Dis Child** 1984 Jul;59(7):653-6

CEREBROSPINAL FLUID

Cerebrospinal fluid immunoglobulins G, A & M in pyogenic and tuberculous meningitis. Pole SL, et al. **Indian J Pathol Microbiol** 1983 Jul;26(3):193-9

COMPLICATIONS

Internuclear ophthalmoplegia in tuberculous meningitis. A report of two cases. Sandyk R, et al. **Eur Neurol** 1984; 23(3):148-50

Adult panhypopituitarism with normal stature following tuberculosis meningitis: a case report. Lanigan CJ, et al. **Ir Med J** 1983 Aug;76(8):353-4

Chiasmal osteoma following tuberculous meningitis. Case report. Maitland CG, et al. **J Neurosurg** 1984 Jul; 61(1):184-7

Hemifacial spasm in tuberculous meningitis. Sandyk R. **Postgrad Med J** 1983 Sep;59(695):570-1

The use of dexamethasone in preventing ocular complications in tuberculous meningitis. Girgis NI, et al. **Trans R Soc Trop Med Hyg** 1983;77(5):658-9

Hydrocephalus caused by tuberculous meningitis: clinical picture, CT findings and results of shunt surgery. Upadhyaya P, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:76-9

DIAGNOSIS

Ten years' experience of tuberculous meningitis in children. Zerihun G, et al. **Ethiop Med J** 1984 Jan;22(1):49-54

Radioactive bromide partition test in the diagnosis of tuberculous meningitis. Ahuja GK, et al. **Indian J Med Res** 1983 Aug;78:239-42

Enzyme-linked immunosorbent assay for mycobacterial antigens. Bal V, et al. **Indian J Med Res** 1983 Oct;78:477-83

A sensitive and specific method for diagnosis of tubercular meningitis. Samuel AM, et al. **Indian J Med Res** 1983 May; 77:752-7

Radioactive and nonradioactive bromide partition tests (BPT) in meningitis and meningoencephalitis. Puri RS, et al. **J Assoc Physicians India** 1983 Nov;31(11):693-5

Tuberculous meningitis presenting as an obstructive myelopathy. Case report. Vlcek B, et al. **J Neurosurg** 1984 Jan;60(1):196-9

Adenosine deaminase levels in cerebrospinal fluid in the diagnosis of tuberculous meningitis. Malan C, et al. **J Trop Med Hyg** 1984 Feb;87(1):33-40

Overutilization of cultures of CSF for mycobacteria. Crowson TW, et al. **JAMA** 1984 Jan 6;251(1).70-2

Spinal fluid chloride: a test 40 years past its time [letter] Schoen EJ. **JAMA** 1984 Jan 6;251(1):37-8

Tuberculosis of the central nervous system. Traub M, et al. **Q J Med** 1984 Winter;53(209):81-100

Central nervous system and genitourinary blastomycosis: confusion with tuberculosis. Morse HG, et al. **West J Med** 1983 Jul;139(1):99-103

[Difficulties in the diagnosis and differentiation of tuberculous meningoencephalitis in children] Sidor K, et al. **Pediatr Pol** 1983 Oct;58(10):825-9 (Eng. Abstr.) (Pol)

[Diagnostic, clinical and therapeutic aspects of tuberculous meningoencephalitis in 17 adults] Olejnik Z, et al. **Pneumonol Pol** 1983 Nov;51(11):537-45 (Eng. Abstr.) (Pol)

[Course of tuberculous meningoencephalitis in elderly patients] Obodowska-Zysk W, et al. **Przegl Epidemiol** 1984; 38(1):49-56 (Eng. Abstr.) (Pol)

[Diagnostic difficulties in tuberculous meningitis] Franczak T, et al. **Wiad Lek** 1983 Sep 1;36(17):1465-8 (Eng. Abstr.) (Pol)

[Tuberculous meningoencephalitis] Witczuk J. **Wiad Lek** 1983 Nov 15;36(22):1905-7 (Eng. Abstr.) (Pol)

[Clinical and laboratory aspects of 105 cases of tuberculous meningitis] Dimitriu S, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan-Mar;87(1):33-7 (Eng. Abstr.) (Rum)

[Tuberculous meningitis in young persons] Kornetova NV. **Probl Tuberk** 1984 Apr;(4):50-2 (Eng. Abstr.) (Rus)

DRUG THERAPY

Rifampicin in tuberculous meningitis: a retrospective assessment. Latorre P, et al. **Eur J Clin Pharmacol** 1984; 26(5):583-6

Paradoxical expansion of intracranial tuberculomas during chemotherapy [letter] **Lancet** 1984 Aug 25;2(8400):470-1

IMMUNOLOGY

The enzyme-linked immunosorbent assay method for IgG antibody to purified protein derivative in cerebrospinal fluid of patients with tuberculous meningitis. Kalish SB, et al. **Ann Intern Med** 1983 Nov;99(5):630-3

MORTALITY

[Tuberculous meningitis. Prognostic and ethnic factors (letter)] Perrotin D, et al. **Presse Med** 1984 Feb 25;13(8):507 **(Fre)**

OCCURRENCE

[Incidence of tuberculous meningoencephalitis 1968-1980 in the 0-19 age group] Zbikowski H, et al. **Przegl Epidemiol** 1983;37(3-4):375-81 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Museum piece. Symmers WS. **Pathol Annu** 1984;19 Pt 1:375-80

PHYSIOPATHOLOGY

[Tuberculous meningitis in adults. Prognostic factors] Boissonnas A, et al. **Presse Med** 1983 Nov 5;12(39):2435-8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Focal tuberculous meningoencephalitis. Trautmann M, et al. **Eur Neurol** 1983;22(6):417-20

Radiologic evaluation of tuberculous meningitis. Naheedy MH, et al. **Invest Radiol** 1983 May-Jun;18(3):224-9

[Cerebral x-ray computed tomography and tuberculous meningitis. Radio-clinical correlations] Roualdes B, et al. **Ann Med Interne (Paris)** 1984;135(4):278-82 (Eng. Abstr.) **(Fre)**

THERAPY

[Tuberculous meningitis in intensive care] Scheidemantel J, et al. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):273-5 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS, MILIARY

COMPLICATIONS

Talcosis in AIDS victims? [letter] Brauner D, et al. **Am J Clin Pathol** 1984 Jan;81(1):145

Immune complex nephritis complicating miliary tuberculosis. Shribman JH, et al. **Br Med J [Clin Res]** 1983 Nov 26; 287(6405):1593-4

Adult respiratory distress syndrome associated with miliary tuberculosis. A case report. Hurwitz SS, et al. **S Afr Med J** 1984 Jan 7;65(1):27-8

DIAGNOSIS

Sporadic disseminated histoplasmosis simulating miliary tuberculosis. Tong P, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):822-3

Primary miliary tuberculosis of the liver. Sarin SK, et al. **J Assoc Physicians India** 1984 Apr;32(4):367-8

[Diagnosis of miliary tuberculosis] Münch R, et al. **Praxis** 1983 Nov 8;72(45):1413-7 (Eng. Abstr.) **(Ger)**

[Case of generalized tuberculosis with difficulties in diagnosis] Satho K, et al. **Kekkaku** 1983 Jun;58(6):363-7 (Eng. Abstr.) **(Jpn)**

[Coexistence of myeloblastic leukemia and miliary tuberculosis; diagnostic and therapeutic difficulties] Jarczok K, et al. **Pol Tyg Lek** 1983 Oct 17-24;38(42-43):1325-6 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in generalized miliary tuberculosis] Powałowska J, et al. **Wiad Lek** 1983 Apr 15;36(8):683-6 (Eng. Abstr.) **(Pol)**

[Unrecognized lymphogranulomatosis with pulmonary involvement] Ershov AI, et al. **Probl Tuberk** 1983 Aug; (8):66-7 **(Rus)**

[Pancytopenia as a mask of miliary tuberculosis] Kovsh OIa, et al. **Vrach Delo** 1983 Nov;(11):46-7 **(Rus)**

DRUG THERAPY

Immunostimulatory effect of levamisole in miliary tuberculosis. Singh MM, et al. **Indian J Chest Dis Allied Sci** 1983 Apr-Jun;25(2):91-5

MICROBIOLOGY

[Isolation of acido-alcohol resistant bacilli from peripheral blood in a case of severe miliary tuberculosis] Viguria Arrieta J, et al. **Rev Med Univ Navarra** 1983 Dec; 27(4):39-42 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Conjunctival tuberculosis of endogenous origin associated with miliary tuberculosis. Lamba PA, et al. **Indian J Ophthalmol** 1983 Mar;31(2):89-92

Acute tuberculous septicemia. Pesce C, et al. **Pathologica** 1984 Mar-Apr;76(1042):275-9

An autopsy case of miliary tuberculosis and review of autopsy cases in Japan. Sanefuji H, et al. **Sangyo Ika Daigaku Zasshi** 1984 Mar 1;6(1):75-86

PHYSIOPATHOLOGY

[Lung ventilation and mechanical properties in patients with disseminated tuberculosis] Bodrova TN. **Probl Tuberk** 1984 Mar;(3):33-6 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, OCULAR

DIAGNOSIS

[Diagnostic value of the Mantoux test and immunological tests in ocular tuberculosis] Gontuar NS, et al. **Probl Tuberk** 1983 Dec;(12):61-3 **(Rus)**

ETIOLOGY

Tuberculous retinal vasculitis. Fountain JA, et al. **Retina** 1984 Winter-Spring;4(1):48-50

IMMUNOLOGY

[Autoantibodies in patients with uveitis of various etiologies] Teplinskaia LE, et al. **Vestn Oftalmol** 1984 Mar-Apr; (2):40-3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Conjunctival tuberculosis of endogenous origin associated with miliary tuberculosis. Lamba PA, et al. **Indian J Ophthalmol** 1983 Mar;31(2):89-92

TUBERCULOSIS, ORAL see under **TUBERCULOSIS**

TUBERCULOSIS, OSTEOARTICULAR

COMPLICATIONS

Dactylitis and tuberculid eruptions in a child with primary tuberculosis. Westman JA, et al. **Pediatr Infect Dis** 1984 May-Jun;3(3):251-3

[Tuberculous bursitis of the upper limb] Møller BN, et al. **Ugeskr Laeger** 1983 Sep 19;145(38):2939 (Eng. Abstr.) **(Dan)**

[Osteoarthritis and tuberculous multifocal synovitis. Apropos of a case simulating chronic juvenile arthritis] Larbre F, et al. **Ann Pediatr (Paris)** 1983 Oct;30(8):601-4 (Eng. Abstr.) **(Fre)**

[Carpal tunnel syndrome in tuberculous tendosynovitis of the hand] Mark G, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):448-51 (Eng. Abstr.) **(Ger)**

[Articular and pleuropulmonary tuberculosis (letter)] Villar Casares M, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):456 **(Spa)**

DIAGNOSIS

A longitudinal study of antibody titres to Antigen 6 in patients with bone and joint tuberculosis. Lau JH, et al. **Int Orthop** 1983;7(3):205-8

[Osteoarticular tuberculosis] van der Linden AJ. **Ned Tijdschr Geneeskd** 1984 Jan 21;128(3):108-13 (Eng. Abstr.) **(Dut)**

[Paraspecific manifestations of tuberculosis simulating systemic connective tissue diseases] Chumakova LP, et al. **Klin Med (Mosk)** 1983 Dec;61(12):36-40 (Eng. Abstr.) **(Rus)**

[Unusual presentation of tuberculous arthritis. Report of a case] Roldán Labrada ME, et al. **Rev Invest Clin** 1984 Jan-Mar;36(1):45-7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Drug-resistant tuberculosis of the hip in a child. Inselman LS, et al. **NY State J Med** 1984 Feb;84(2):84-5

METABOLISM

[Assessment of antituberculosis drug concentrations in cold abscesses in patients with bone and joint tuberculosis] Wu QQ. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):483-5 **(Chi)**

OCCURRENCE

Profile of spine and joint tuberculosis on Pakistan's Afghan frontier. Currie MA. **Ann R Coll Surg Engl** 1984 Mar; 66(2):105-7

Bone and joint tuberculosis. A survey of notifications in England and Wales. Davies PD, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):326-30

Skeletal tuberculosis in the Lothian Region of Scotland. A 10-year survey. Hutchins PM. **J R Coll Surg Edinb** 1984 May;29(3):167-71

[Tuberculosis in dialysis patients. 9. Tuberculosis of the bones and joints] Inamoto H. **Kekkaku** 1983 Apr;58(4):251-4 (Eng. Abstr.) **(Jpn)**

[Work experience in detecting osteoarticular tuberculosis patients in the institutions of the general medical network] Zarzar SS. **Probl Tuberk** 1984 Mar;(3):14-6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Tuberculous osteomyelitis of the mandible. Worsaae N, et al. **Br J Oral Maxillofac Surg** 1984 Apr;22(2):93-8

Tuberculosis of the hand and wrist. Bush DC, et al. **J Hand Surg [Am]** 1984 May;9(3):391-8

[Anatomo-clinical conference. Hôpital Cochin. Case no. 5--1983. Interstitial pneumopathy, polyarthritis and subcutaneous nodules in a 45-year-old man] Choudat D, et al. **Ann Med Interne (Paris)** 1983;134(5):492-7 **(Fre)**

RADIOGRAPHY

Tuberculous arthritis of the shoulder: delayed diagnosis aided by arthrography. Miller KD, et al. **Clin Rheumatol** 1983 Mar;2(1):61-4

Tuberculous osteitis of the skull mimicking histiocytosis X. Schuster JD, et al. **J Pediatr** 1984 Aug;105(2):269-71

Oesteoarticular tuberculosis--an unusual presentation. Meanwell CA, et al. **Tubercle** 1984 Jun;65(2):133-6

[Primary diaphyseal tuberculosis of the long bones] Richter R, et al. **ROFO** 1983 Nov;139(5):549-52 (Eng. Abstr.) **(Ger)**

[Tuberculous changes in the trochanter major diagnosed in infancy] Dreissiger I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(3):217-20 (Eng. Abstr.) **(Hun)**

RADIONUCLIDE IMAGING

Tc-99m MDP and indium-111 chloride scintigraphy in skeletal tuberculosis. Nocera RM, et al. **Clin Nucl Med** 1983 Sep;8(9):418-20

[Bone scintigraphy of skeletal tuberculosis] Seto H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):381-5 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Rehabilitation of patients with osteoarticular tuberculosis] Izvekov AT. **Probl Tuberk** 1983 Jul;(7):7-11 (Eng. Abstr.) **(Rus)**

SURGERY

[Progress and prospects in surgery for osteoarticular tuberculosis in children] Kovalenko DG, et al. **Vestn Khir** 1984 Jun;132(6):83-7 (Eng. Abstr.) **(Rus)**

THERAPY

Dialyzable leukocyte extract (transfer factor) in the treatment of superinfected fistulating tuberculosis of the bone. Zielinski CC, et al. **Cell Immunol** 1984 Mar;84(1):200-5

[Tuberculosis of the iliosacral joints. Treatment, results, prognosis and differential diagnosis] Richter R, et al. **Z Orthop** 1983 Sep-Oct;121(5):564-70 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS, PERITONEAL

COMPLICATIONS

Thrombocytosis associated with tuberculous peritonitis. Omar MA, et al. **Tubercle** 1983 Dec;64(4):295-6

DIAGNOSIS

Ileocecal point tenderness in diagnosis of tuberculous peritonitis. Huang YY. **Chin Med J [Engl]** 1983 May; 96(5):379-84

The value of laparoscopy in intra-abdominal diseases. Mekasha G. **Ethiop Med J** 1984 Apr;22(2):81-5

Abdominal tuberculosis. A 10-year review. Gilinsky NH, et al. **S Afr Med J** 1983 Nov 19;64(22):849-57

Tuberculosis peritonitis: diagnostic value of the ascitic/blood glucose ratio. Wilkins EG. **Tubercle** 1984 Mar;65(1):47-52

[Tuberculous peritonitis--a clinical analysis of 330 cases] Zhu SZ. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):352-4 (Eng. Abstr.) **(Chi)**

[Case of tuberculous pleurisy and peritonitis simulating relapsing acute pancreatitis] Kitano H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1217-20 **(Jpn)**

[Case of ante mortem diagnosis of isolated tuberculosis of the liver and peritoneum] Poliakov GD, et al. **Probl Tuberk** 1983 Jul;(7):68 **(Rus)**

[Current perspective of peritoneal tuberculosis. Study of 26 patients] Maradona Hidalgo JA, et al. **Rev Clin Esp** 1983 Aug 15-31;170(3-4):133-6 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Tuberculous peritonitis in chronic renal failure managed by continuous ambulatory peritoneal dialysis. McKerrow KJ, et al. **Aust NZ J Med** 1983 Aug;13(4):343-7

IMMUNOLOGY

[Immunomodulation with symptomatically effective antirheumatic agents] Dreher R, et al. **Immun Infekt** 1983 Jun;11(4):123-34 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Peritoneal tuberculosis. Occurrence in a hospital over a 7-year period] Zulaica D, et al. **Rev Clin Esp** 1984 Jan 31;172(2):95-6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Peritoneal tuberculosis. Jorge AD. **Endoscopy** 1984 Jan; 16(1):10-2

RADIOGRAPHY

Abdominal tuberculosis: CT findings. Dahlene DH Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):443–5

[Computed tomographic image of tuberculous peritonitis] Becker W, et al. **ROFO** 1984 Jan;140(1):104–5 **(Ger)**

RADIONUCLIDE IMAGING

Gallium localization in peritonitis. Two case reports. LaManna MM, et al. **Clin Nucl Med** 1984 Jan;9(1):25–7

TUBERCULOSIS, PLEURAL

COMPLICATIONS

Oesophago–pleural fistula complicating a case of tuberculous pyopneumothorax. Adeyemo AO, et al. **Tubercle** 1984 Mar; 65(1):59–62

[Clinical studies of chronic tuberculous pleurisy with persisting hemorrhagic lesion] Harada K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Dec;31(12):2152–8 (Eng. Abstr.) **(Jpn)**

[Articular and pleuropulmonary tuberculosis (letter)] Villar Casares M, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):456 **(Spa)**

DIAGNOSIS

Sensitivity, specificity, and predictive values of closed pleural biopsy. Poe RH, et al. **Arch Intern Med** 1984 Feb; 144(2):325–8

Tubercular empyema thoracis: a diagnostic and therapeutic problem. Sharma TN, et al. **Indian J Chest Dis Allied Sci** 1983 Apr–Jun;25(2):127–31

[Case of tuberculous pleurisy and peritonitis simulating relapsing acute pancreatitis] Kitano H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1217–20 **(Jpn)**

[Changes in the bronchial tree of patients with tuberculous exudative pleurisy] Afanas'ev IV, et al. **Probl Tuberk** 1984 May;(5):26–9 (Eng. Abstr.) **(Rus)**

[Comparative efficacy of diagnostic thoracoscopy with biopsy in exudative pleurisy of uncertain etiology] Ioffe LTs, et al. **Probl Tuberk** 1984 May;(5):22–6 (Eng. Abstr.) **(Rus)**

[Pathogenesis of chronic pleurisy] Semenenkov IuL, et al. **Probl Tuberk** 1983 Aug;(8):50–3 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of tuberculous exudative pleurisy] Tiukhtin NS. **Sov Med** 1984;(3):90–2 **(Rus)**

[Tuberculous pleuritis] Debeljak A. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):22–8 (Eng. Abstr.) **(Scr)**

[Tuberculous empyema (letter)] López–Vivancos J, et al. **Med Clin (Barc)** 1984 May 5;82(17):778 **(Spa)**

[Tuberculous pleurisy. Study based on a series of 39 patients] Conde Yagüe R, et al. **Rev Clin Esp** 1984 May 15; 173(3):173–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Potential use of the plant enzyme papain in phthisiosurgery] Blagodarnyĭ IaA, et al. **Probl Tuberk** 1983 Oct;(10):44–7 (1 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Pleural fluid adenosine deaminase in rheumatoid arthritis and systemic lupus erythematosus [letter] Pettersson T, et al. **Chest** 1984 Aug;86(2):273–4

Decreased glucose in RA–cell–positive pleural effusion: correlation of pleural glucose, lactic dehydrogenase and protein concentration to the presence of RA–cells. Faurschou P. **Eur J Respir Dis** 1984 May;65(4):272–7

ETIOLOGY

[Epidemiological study of tuberculous pleuritis in dialysis patients] Inamoto H. **Kansenshogaku Zasshi** 1983 May; 57(5):383–7 (Eng. Abstr.) **(Jpn)**

[Tactics for treating acute pyopneumothorax as a result of perforation of a tuberculous cavern] Laptev AN. **Probl Tuberk** 1984 Feb;(2):35–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Diagnostic yield of multiple pleural biopsies in tubercular pleural effusion. Jain SK. **Indian J Chest Dis Allied Sci** 1983 Jul–Sep;25(3):242–3

PHYSIOPATHOLOGY

[Comparative statistical study of global and local functional respiratory data in 2 groups of patients with pulmonary or pleural tuberculosis] Bedu M, et al. **Rev Pneumol Clin** 1984;40(3):173–8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Pleural tuberculosis evaluated by computed tomography. Hulnick DH, et al. **Radiology** 1983 Dec;149(3):759–65

SURGERY

Decortication of the lung. Toomes H, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):338–41

[Considerations on a rich case–load of specific chronic empyema treated surgically] Rickler R, et al. **Arch Monaldi** 1982 Sep–Dec;37(5–6):347–52 (Eng. Abstr.) **(Ita)**

[Surgical treatment of pleuropulmonary tuberculosis in children] Coman C, et al. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar;33(1):53–8 (Eng. Abstr.) **(Rum)**

[Surgical treatment of chronic pleural empyema in stages in patients at high surgical risk] Demidov BS, et al. **Probl Tuberk** 1984 Feb;(2):28–31 (Eng. Abstr.) **(Rus)**

[Methods of surgical treatment of complications of pleuropulmonary surgery] Iatsozhinskiĭ IuD, et al. **Probl Tuberk** 1983 Oct;(10):37–40 (14 ref.) (Eng. Abstr.) **(Rus)**

[Clotting mechanism of hemorrhagic complications during surgery on the lungs of tuberculosis patients] Khudzik LB, et al. **Probl Tuberk** 1984 Feb;(2):47–51 (Eng. Abstr.) **(Rus)**

THERAPY

[Diagnosis and treatment of patients with tuberculous exudative pleurisy] Tiukhtin NS, et al. **Probl Tuberk** 1984 May;(5):16–8 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, PULMONARY

see related
COLLAPSE THERAPY
MASS CHEST X-RAY
PNEUMONECTOMY

Tuberculosis hospital admission system and National Tuberculosis Programme. Aneja KS, et al. **J Indian Med Assoc** 1983 Dec;81(11–12):213–5

[Utilization of the tuberculosis patient care team for improving the diagnosis and complex treatment of lung cancer] Krawczyk K. **Nowotwory** 1983 Apr–Jun; 33(2):165–74 (Eng. Abstr.) **(Pol)**

[Controversies over the worldwide plan of the 1972–1982 decade concerning methods of early detection of pulmonary tuberculosis] Lupşa M. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):193–203 **(Rum)**

[Cases of activation of latent tuberculosis in adolescents undergoing corticosteroid therapy] Potapova ElA, et al. **Pediatriia** 1983 Dec;(12):43–4 **(Rus)**

BLOOD

A study on serum mucoprotein levels in patients with pulmonary tuberculosis. Singh TP, et al. **Indian J Chest Dis Allied Sci** 1983 Jul–Sep;25(3):210–3

Serial estimation of alpha–1–antitrypsin in active pulmonary tuberculosis. Chawhan RN, et al. **Indian J Med Res** 1984 Feb;79:187–90

Serum alpha–1–antitrypsin levels in pulmonary tuberculosis. Yemul VL, et al. **Indian J Med Res** 1983 May;77:613–5

Serum phosphorus levels in pulmonary tuberculosis. Kardjito T, et al. **Postgrad Med J** 1984 Jun;60(704):394–6

Serum amyloid A protein and C–reactive protein levels in pulmonary tuberculosis: relationship to amyloidosis. de Beer FC, et al. **Thorax** 1984 Mar;39(3):196–200

A study of acute–phase reactant proteins in Indonesian patients with pulmonary tuberculosis. Grange JM, et al. **Tubercle** 1984 Mar;65(1):23–39

[BCG vaccine–stimulated nitroblue tetrazolium test in the differential diagnosis of pulmonary tuberculosis] Shubich MG, et al. **Lab Delo** 1983;(8):11–5 (Eng. Abstr.) **(Rus)**

[Study of the fractional composition of serum albumin using isoelectric focusing in patients with pulmonary tuberculosis] Azhitskiĭ GIu, et al. **Probl Tuberk** 1983 Dec; (12):47–50 (Eng. Abstr.) **(Rus)**

[Relation between the status of the blood adenylate system and the intensity of the process of lipid peroxidation in patients with newly detected pulmonary tuberculosis] Burlachuk VT, et al. **Probl Tuberk** 1984 May;(5):45–50 (Eng. Abstr.) **(Rus)**

[Concentration of immunoreactive insulin and sulfhydryl groups in the serum of pulmonary tuberculosis patients] Ershov AI, et al. **Probl Tuberk** 1984 May;(5):51–3 (Eng. Abstr.) **(Rus)**

[Characteristics of changes in main serum proteinase inhibitors (alpha 1–antitrypsin and alpha 2–macroglobulin) in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Probl Tuberk** 1983 Dec;(12):50–6 (Eng. Abstr.) **(Rus)**

[Nucleic acid content of the blood of patients with pulmonary tuberculosis as a function of the adverse effects of antibacterial preparations] Khaiutina ES. **Probl Tuberk** 1983 Nov;(11):45–9 (Eng. Abstr.) **(Rus)**

[Polyacrylamide gel electrophoresis of blood proteins in children with respiratory tuberculosis] Osina NA, et al. **Probl Tuberk** 1983 Nov;(11):49–52 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotide monophosphates in patients with pulmonary tuberculosis] Priĭmak AA, et al. **Probl Tuberk** 1984 Jan;(1):38–41 (Eng. Abstr.) **(Rus)**

[Features of glucose conversion in the erythrocytes of pulmonary tuberculosis patients] Romanovskiĭ RV, et al. **Probl Tuberk** 1983 Oct;(10):53–6 (11 ref.) (Eng. Abstr.) **(Rus)**

[Kinin system of the blood in pulmonary tuberculosis] Makinskiĭ AI, et al. **Sov Med** 1983;(9):96–9 **(Rus)**

[Prostaglandins E1 and F2 alpha in patients with pulmonary tuberculosis during chemotherapy] Sokol TV. **Vrach Delo** 1984 Jun;(6):66–9 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

[Steroid tuberculosis] Iablokov DD. **Klin Med (Mosk)** 1983 Dec;61(12):25–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Tuberculosis and sudden death in Baghdad. Hassan DN, et al. **Am J Forensic Med Pathol** 1984 Jun;5(2):169–74

Asbestosis and tuberculosis. Segarra–Obiol F, et al. **Am J Ind Med** 1983;4(6):755–7

Tuberculous main–stem bronchial stenosis treated with sleeve resection. Caligiuri PA, et al. **Arch Intern Med** 1984 Jun; 144(6):1302–3

Respiratory rehabilitation in severe restrictive lung disease secondary to tuberculosis. Yang GF, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):556–8

Fatal pulmonary infection with Mycobacterium fortuitum in cystic fibrosis. Efthimiou J, et al. **Br J Dis Chest** 1984 Jul; 78(3):299–302

AIDS in Haitian immigrants [letter] Fralick RA. **Can Med Assoc J** 1984 May 15;130(10):1266

Co–existence of leukaemia and tuberculosis. Nagaratnam N, et al. **Ceylon Med J** 1982 Dec;27(4):206–7

Pelger–Huet anomaly of granulocytes in a patient with tuberculosis. Savage PJ, et al. **Chest** 1984 Jan;85(1):131–2

Hypercalcaemia in pulmonary tuberculosis. Ojwang PJ, et al. **East Afr Med J** 1983 Jul;60(7):498–500

Tuberculosis in Ethiopian diabetics. Lester FT. **Ethiop Med J** 1984 Jul;22(3):129–33

Giant bullous emphysema in childhood tuberculosis. A case report. Thisyakorn U, et al. **J Med Assoc Thai** 1984 Feb; 67(2):114–7

Carcinoma of the lung and coexistent active pulmonary tuberculosis: diverse morphologic and radiographic presentations. Phillips LG Jr, et al. **J Natl Med Assoc** 1984 Feb;76(2):125–30

Pulmonary tuberculosis with the superior vena cava syndrome. Montgomery JH, et al. **J Tenn Med Assoc** 1984 Apr;77(4):196–7

Life–threatening hemoptysis and bronchoesophageal fistula in primary tuberculosis. Larsen RF. **NY State J Med** 1984 Feb;84(2):87–9

Dactylitis and tuberculid eruptions in a child with primary tuberculosis. Westman JA, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):251–3

Guillain–Barré syndrome associated with tuberculosis. Vyravanathan S, et al. **Postgrad Med J** 1983 Aug; 59(694):516–7

Tuberculous retinal vasculitis. Fountain JA, et al. **Retina** 1984 Winter–Spring;4(1):48–50

The adult respiratory distress syndrome bronchogenic pulmonary tuberculosis. Dyer RA, et al. **Thorax** 1984 May; 39(5):383–7

[Treatment of diabetes complicated by tuberculosis] Ming AY. **Chung Hua I Hsueh Tsa Chih** 1984 Mar;64(3):172–3 **(Chi)**

[Tuberculous and syphilitic otitis media] Gersdorff M, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):709–16 **(Fre)**

[Areactive pulmonary and systemic tuberculosis in a idiopathic thrombocythemia with immunodepression] Barbolini G, et al. **Arch Monaldi** 1982 May–Jun; 37(3–4):243–8 **(Fre)**

[Hairy cell leukemia associated with tuberculosis, disclosed by erythema nodosum] Schved JF, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2716–7 (Eng. Abstr.) **(Fre)**

[Lung tumor and recurrent hemoptysis following tuberculosis] Baur X, et al. **Internist (Berlin)** 1984 Apr; 25(4):256–60 **(Ger)**

[Tuberculous otitis media and mastoiditis in 2 children] Achmüller M, et al. **Padiatr Padol** 1984;19(2):177–83 (Eng. Abstr.) **(Ger)**

[Surgical interventions in tuberculosis patients] Wolfart W. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:451–4 (Eng. Abstr.) **(Ger)**

[Incidence of secondary intestinal tuberculosis (letter)] Jozefovics F. **Orv Hetil** 1983 Sep 25;124(39):2402 **(Hun)**

[The heart in tuberculosis] Magri G, et al. **Minerva Med** 1984 Mar 17;75(11):581–4 (Eng. Abstr.) **(Ita)**

[Sequelae of tuberculosis] Orlandi O, et al. **Minerva Med** 1984 Mar 17;75(11):585–8 (Eng. Abstr.) **(Ita)**

[Effect of aging on tuberculosis in dialysis patients] Inamoto H. **Kansenshogaku Zasshi** 1983 Nov;57(11):941–5 (Eng. Abstr.) **(Jpn)**

[Case of pulmonary tuberculosis with the development of ileal perforation during chemotherapy] Hatake K, et al. **Kekkaku** 1983 Apr;58(4):267–70 (Eng. Abstr.) **(Jpn)**

[Clinical observation of active pulmonary mycobacteriosis in tumor–bearing patients] Matsushima T, et al. **Kekkaku** 1984 Apr;59(4):269–75 (Eng. Abstr.) **(Jpn)**

[A study on the clinical course of tuberculous patients complicated with diabetes mellitus] Sato H, et al. **Kekkaku** 1984 Jan;59(1):1–4 (Eng. Abstr.) **(Jpn)**

[Respiratory failure due to tuberculosis: clinical studies] Sugita H. **Kekkaku** 1983 Dec;58(12):651–64 (Eng. Abstr.) **(Jpn)**

[Background factors of fatal hemoptysis in pulmonary tuberculosis] Tsukamura M. **Kekkaku** 1983 Sep;58(9):465–7 (Eng. Abstr.) **(Jpn)**

[A successful end–to–side anastomosis between the left upperlobe bronchus and the trachea for stenosis of left main bronchus due to tuberculosis] Nagai I, et al.

Nippon Kyobu Geka Gakkai Zasshi 1983 Jun;31(6):925–9 (Eng. Abstr.) (Jpn)

[Pulmonary tuberculosis. a) A view from internal medicine] Nagano H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May;21(5):415–24 (Eng. Abstr.) (Jpn)

[Lung cancer in the patients with pulmonary tuberculosis] Uyama T, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):45–9 (Eng. Abstr.) (Jpn)

[A case of scleroma coexistent with pulmonary tuberculosis] Bednarski Z. **Wiad Lek** 1984 Jan 1;37(1):47–52 (Eng. Abstr.) (Pol)

[Disseminated histoplasmosis associated with tuberculosis in immunosuppressed patients] Pinotti AF, et al. **AMB** 1983 Mar–Apr;29(3–4):68–70 (Eng. Abstr.) (Por)

[Primary pulmonary cancers with isolation of Mycobacterium tuberculosis] Porav I, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):49–52 (Eng. Abstr.) (Rum)

[Cardiac lesions in generalized hematogenic tuberculosis] Anichkov NM, et al. **Arkh Patol** 1984;46(5):74–6 (Eng. Abstr.) (Rus)

[Characteristics of allergic diseases in tuberculosis patients] Pukhlik BM. **Klin Med (Mosk)** 1984 Feb;62(2):37–41 (Eng. Abstr.) (Rus)

[Concomitant diseases in patients with pulmonary tuberculosis and chronic alcoholism] Rudoĭ NM, et al. **Klin Med (Mosk)** 1983 Dec;61(12):33–6 (Eng. Abstr.) (Rus)

[Pulmonary tuberculosis in combination with syphilis] Andreeva LA, et al. **Probl Tuberk** 1983 Sep;(9):72–3 (Rus)

[Cytological and endoscopic characteristics of bronchial pathology in patients with pulmonary tuberculosis] Berzner AN. **Probl Tuberk** 1984 Apr;(4):69–70 (Rus)

[Pulmonary edema in chronic cor pulmonale in patients with tuberculosis] Bochkarev EG. **Probl Tuberk** 1983 Dec;(12):44–7 (Eng. Abstr.) (Rus)

[Detection of tuberculosis among patients with nonspecific bronchopulmonary diseases] Bogomazova AV, et al. **Probl Tuberk** 1983 Aug;(8):20–3 (Eng. Abstr.) (Rus)

[Helium–neon laser in the prevention of suppuration and in the treatment of suppurative surgical wounds in tuberculotics] Demidov BS, et al. **Probl Tuberk** 1984 Jun;(6):50–3 (Eng. Abstr.) (Rus)

[Pleural aspergillosis] Iampol'skaia VD. **Probl Tuberk** 1983 Aug;(8):48–50 (Eng. Abstr.) (Rus)

[Causes of development and characteristics of extensive post–tuberculosis pneumosclerosis] Kalandadze ZF, et al. **Probl Tuberk** 1984 Apr;(4):71–2 (Rus)

[Use of pyrogenal in the complex treatment of tuberculosis patients abusing alcohol] Karpukhina NV, et al. **Probl Tuberk** 1983 Jul;(7):46–8 (Eng. Abstr.) (Rus)

[Lymphosarcoma of the mediastinum with pulmonary metastases in patients with posttuberculous pneumosclerosis] Karukina AB, et al. **Probl Tuberk** 1984 Feb;(2):71–2 (Rus)

[Differential diagnosis of hearing disorders in the clinical picture of tuberculosis] Kolesova LI, et al. **Probl Tuberk** 1984 May;(5):33–6 (Eng. Abstr.) (Rus)

[Tactics for treating acute pyopneumothorax as a result of perforation of a tuberculous cavern] Laptev AN. **Probl Tuberk** 1984 Feb;(2):35–7 (Eng. Abstr.) (Rus)

[Diagnosis of respiratory failure in patients with tuberculosis and nonspecific lung diseases] Nefedov VB. **Probl Tuberk** 1984 Jun;(6):20–3 (Eng. Abstr.) (Rus)

[Interrelation of tuberculosis and allergic diseases] Pukhlik BM. **Probl Tuberk** 1983 Nov;(11):29–32 (Eng. Abstr.) (Rus)

[Complex bronchological examination of patients cured of pulmonary tuberculosis] Shal'min AS. **Probl Tuberk** 1984 Apr;(4):33–6 (Eng. Abstr.) (Rus)

[Bronchogenic cancer in a patient with disseminated pulmonary tuberculosis] Slepnev AN, et al. **Probl Tuberk** 1984 Feb;(2):72–3 (Rus)

[Rehabilitation of patients with chronic nonspecific lung diseases associated with inactive tuberculosis in a rural regional hospital] Starchak AV, et al. **Probl Tuberk** 1983 Nov;(11):19–23 (Eng. Abstr.) (Rus)

[Peribronchial administration of drug mixtures on a prolonged basis in the complex treatment of patients with pulmonary tuberculosis complicated by bronchial pathology] Tarasov AS, et al. **Probl Tuberk** 1983 Jul;(7):17–20 (Eng. Abstr.) (Rus)

[Diagnosis of oncologic diseases of the respiratory organs in patients in tuberculosis hospitals] Topchiev ShR, et al. **Probl Tuberk** 1983 Dec;(12):20–3 (Eng. Abstr.) (Rus)

[Morphologic forms of cancer in patients with a combination of lung cancer and tuberculous lesions] Zhingel' IP, et al. **Probl Tuberk** 1984 May;(5):38–41 (Eng. Abstr.) (Rus)

[Diagnosis of benign lung tumors detected among patients in a tuberculosis hospital] Zhingel' IP, et al. **Probl Tuberk** 1983 Aug;(8):24–7 (Eng. Abstr.) (Rus)

[Influenza and tuberculosis] Zykov MP, et al. **Probl Tuberk** 1984 Apr;(4):64–8 (37 ref.) (Rus)

[Acute tuberculous sepsis] Audulev VK. **Vrach Delo** 1984 Jun;(6):69–71 (Rus)

[Classification of respiratory insufficiency] Ershov AI, et al. **Vrach Delo** 1983 Oct;(10):50–4 (3 ref.) (Eng. Abstr.) (Rus)

[Prevention and treatment of amyloidosis in patients with chronic inflammatory diseases of the lungs] Ivaniuta OM, et al. **Vrach Delo** 1984 May;(5):51–5 (Eng. Abstr.) (Rus)

[Use of teturam in treating chronic alcoholism in pulmonary tuberculosis patients] Kalabukha VA, et al. **Vrach Delo** 1983 Nov;(11):48–9 (Rus)

[Factors influencing the frequency of allergic diseases in tuberculosis] Pukhlik BM, et al. **Vrach Delo** 1983 Dec;(12):67–9 (Eng. Abstr.) (Rus)

[Bilateral recurrent pneumothorax in active pulmonary tuberculosis (letter)] Martínez MC, et al. **Med Clin (Barc)** 1984 May 26;82(20):910 (Spa)

[Articular and pleuropulmonary tuberculosis (letter)] Villar Casares M, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):456 (Spa)

[Erythema nodosum and tuberculid as the only symptoms in primary pulmonary tuberculosis] Hebelka M, et al. **Lakartidningen** 1984 Jun 27;81(26–27):2606 (Swe)

CONGENITAL

[7-year follow-up of a child with the diagnosis of congenital tuberculosis] Majewska-Zalewska H, et al. **Pediatr Pol** 1983 Nov;58(11):895–900 (Pol)

DIAGNOSIS

Current problems in the recognition and management of patients with tuberculosis in a general hospital. Brabender W, et al. **Am J Infect Control** 1983 Aug;11(4):130–2

Problems of tuberculosis in decline [letter] Agnew RA, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):49

Evaluation of a monoclonal antibody (TB72) based serological test for tuberculosis. Ivanyi J, et al. **Clin Exp Immunol** 1983 Nov;54(2):337–45

Case-finding studies in pulmonary tuberculosis in Kenya. Aluoch JA, et al. **East Afr Med J** 1983 Aug;60(8):542–5

Massive hemoptysis as a presenting sign of benign lymphocytic angiitis and granulomatosis. Levy A, et al. **Eur J Respir Dis** 1984 May;65(4):311–4

Pulmonary tuberculoma in an infant. Mullick S, et al. **Indian Pediatr** 1983 Nov;20(11):869–70

Sensitivity and specificity of an enzyme-linked immunosorbent assay for tuberculosis [letter] Mathias RG. **J Infect Dis** 1983 Dec;148(6):1170

Positive tuberculin skin tests and isoniazid chemoprophylaxis. Pickwell SM. **Nurse Pract** 1984 Apr;9(4):28, 30–1

Diagnostic value of fibreoptic bronchoscopy in sputum smear-negative pulmonary tuberculosis [letter] Hay AA, et al. **NZ Med J** 1983 Nov 23;96(744):984–5

Chronic ulceration of the hard palate: first clinical sign of undiagnosed pulmonary tuberculosis. Michaud M, et al. **Oral Surg** 1984 Jan;57(1):63–7

Utility of tuberculin testing in children under 5 years of age. Gaind BN, et al. **Paediatr Indones** 1983 Sep–Oct; 23(9–10):197–200

Poncet's disease. A case report. Benatar A, et al. **S Afr Med J** 1984 Jun 9;65(23):930–1

Criteria for the diagnosis of pulmonary tuberculosis [letter] Escreet BC, et al. **S Afr Med J** 1983 Oct 22;64(18):690–1

The diagnosis of pulmonary tuberculosis [letter] Lian BH. **S Afr Med J** 1984 Feb 4;65(5):152

Effect of a publicly funded tuberculosis service on the diagnosis of tuberculosis at a teaching hospital. Bass JB Jr, et al. **South Med J** 1984 Mar;77(3):308–11

Central nervous system and genitourinary blastomycosis: confusion with tuberculosis. Morse HG, et al. **West J Med** 1983 Jul;139(1):99–103

[Analysis of 100 cases of pulmonary tuberculosis of the lower lobe] Wang JR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Apr;6(2):74–5 (Eng. Abstr.) (Chi)

[Tuberculosis in patients on chronic intermittent dialysis treatment] Helm EB, et al. **MMW** 1983 Sep 30; 125(39):851–2 (Ger)

[Rational and efficient diagnosis of tuberculosis] Hertl M, et al. **Monatsschr Kinderheilkd** 1984 Apr;132(4):242–8 (Ger)

[Tuberculosis in terminal renal insufficiency] Kemmerich B, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:468–9 (Eng. Abstr.) (Ger)

[Diagnosis of tuberculous pleural effusion: prospective comparison of laboratory chemical, bacteriologic, cytologic and and histologic study results] Loddenkemper R, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1153–6 (Eng. Abstr.) (Ger)

[Bacteriologically unconfirmed tuberculosis of the respiratory tract] Neumann G. **Prax Klin Pneumol** 1984 Feb;38(2):54–6 (Eng. Abstr.) (Ger)

[Manifestation of extrapulmonary tuberculosis in Cambodian refugees in Thailand] Rieder H. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:498–500 (Eng. Abstr.) (Ger)

[Diagnosis of tuberculosis today] Pescetti G, et al. **Minerva Med** 1984 Mar 17;75(11):565–8 (Eng. Abstr.) (Ita)

[Lung disease due to Mycobacterium fortuitum report of 3 cases] Tsukamura M, et al. **Kekkaku** 1983 May;58(5):293–8 (Eng. Abstr.) (Jpn)

[Diagnostic role of the tuberculin test] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):793–802 (Eng. Abstr.) (Pol)

[Coin lesion of the lung] Moskwa Z. **Pneumonol Pol** 1984 Mar;52(3):135–9 (Eng. Abstr.) (Pol)

[Methods of detecting tuberculosis in the current stage (experience of a district with a high epidemiological risk)] Amzărescu E. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar; 33(1):31–44 (Eng. Abstr.) (Rum)

[Diagnosis of sarcoidosis in a tuberculosis dispensary] Bobrovskaia MI, et al. **Klin Med (Mosk)** 1984 Feb; 62(2):41–4 (Eng. Abstr.) (Rus)

[Calcified hematoma of the liver simulating a pulmonary tuberculoma] Krivokhizh VN, et al. **Pediatriia** 1983 Jun; (6):71 (Rus)

[Case of osteochondroma of a rib mistaken for tuberculous bronchoadenitis] Donchenko VL, et al. **Probl Tuberk** 1983 Aug;(8):67–8 (Rus)

[Unrecognized lymphogranulomatosis with pulmonary involvement] Ershov AI, et al. **Probl Tuberk** 1983 Aug; (8):66–7 (Rus)

[Diagnosis of lung hypoplasia in patients with tuberculosis] Filippov VP, et al. **Probl Tuberk** 1984 Jan;(1):41–5 (Eng. Abstr.) (Rus)

[Diagnosis of benign tumors of the bronchi and lungs] Filippov VP, et al. **Probl Tuberk** 1984 May;(5):29–33 (Eng. Abstr.) (Rus)

[Tuberculosis as a reason for errors in the diagnosis of cancer of the lung] Iurikovich M. **Probl Tuberk** 1984 May;(5):36–8 (Eng. Abstr.) (Rus)

[Changes in the patient population in a children's tuberculosis ambulatory dispensary] Kasarda VV. **Probl Tuberk** 1983 Sep;(9):16–8 (Eng. Abstr.) (Rus)

[Errors in the diagnosis of tuberculosis and nonspecific lung diseases] Lomako MN, et al. **Probl Tuberk** 1983 Dec; (12):17–20 (Eng. Abstr.) (Rus)

[Hyperergic sensitivity to tuberculin in children and adolescents] Maksimova NM. **Probl Tuberk** 1983 Sep; (9):13–6 (Eng. Abstr.) (Rus)

[Cytochemical methods in the diagnosis of pulmonary tuberculosis] Navrotskiĭ VV, et al. **Probl Tuberk** 1983 Dec; (12):56–9 (Eng. Abstr.) (Rus)

[Differential diagnosis of bronchopulmonary pathology in an interregional antituberculosis dispensary] Podlevskikh IN, et al. **Probl Tuberk** 1984 Apr;(4):70–1 (Rus)

[Diagnosis of lung diseases in an antituberculosis institution] Purtskhvanidze ChG, et al. **Probl Tuberk** 1983 Aug;(8):13–6 (Eng. Abstr.) (Rus)

[The NBT test in combination with the intradermal tuberculin test in evaluation of the latent activity of pulmonary tuberculosis and clinical cure] Rykovskaia GI. **Probl Tuberk** 1983 Sep;(9):30–3 (Eng. Abstr.) (Rus)

[Opistorchiasis with involvement of the respiratory organs] Shutskaia EI, et al. **Probl Tuberk** 1983 Sep;(9):74–5 (Rus)

[Algorithm for differential diagnosis of pulmonary tuberculosis and nonspecific pneumonia in children and adolescents] Starozhinskaia TA, et al. **Probl Tuberk** 1983 Aug;(8):41–4 (Eng. Abstr.) (Rus)

[Bronchial tuberculosis with reactivation of the specific process in the intrathoracic lymph nodes] Tarasov AS, et al. **Probl Tuberk** 1984 Apr;(4):23–6 (Eng. Abstr.) (Rus)

[Immunocytoadherence in the diagnosis and evaluation of the activity of pulmonary tuberculosis] Viadro GA, et al. **Probl Tuberk** 1983 Sep;(9):33–5 (Eng. Abstr.) (Rus)

[Detection and clinical course of tuberculosis of the respiratory organs in risk patients] Vitols OIa, et al. **Probl Tuberk** 1984 Jan;(1):10–2 (Eng. Abstr.) (Rus)

[Diagnostic importance of rheopulmonography in pulmonary tuberculosis] Deviaterikov AI, et al. **Voen Med Zh** 1984 Feb;(2):33–4 (Rus)

[Semeiotic and differential diagnostic characteristics of respiratory tuberculosis and chronic nonspecific lung diseases in the elderly and the aged] Iashchenko BP. **Vrach Delo** 1983 Dec;(12):63–7 (Eng. Abstr.) (Rus)

[Frequency and nature of bronchial changes based on data from a provincial tuberculosis dispensary] Kvasnitskiĭ BI, et al. **Vrach Delo** 1984 Apr;(4):56–8 (Eng. Abstr.) (Rus)

[Pulmonary hemoptysis and state of the bronchial tree in pneumonia, tuberculosis and lung cancer] Piatnochka IT, et al. **Vrach Delo** 1984 Jan;(1):52–4 (Eng. Abstr.) (Rus)

[Means of increasing the effectiveness of the modern microbiological diagnosis of tuberculosis and nonspecific lung diseases] Khomenko AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):57–62 (Rus)

[Lung disease caused by the bacillus Mycobacterium fortuitum] Sokolovski D, et al. **Srp Arh Celok Lek** 1983 Apr;111(4):505–8 (Sec)

[Population groups at high risk for acquiring pulmonary tuberculosis in Slovenia] Ustar-Latković M. **Plucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):71–7 (Eng. Abstr.) (Slv)

[Bases for the diagnosis of pulmonary tuberculosis in children] Pérez-Fernández LF, et al. **Bol Med Hosp Infant Mex** 1984 Mar;41(3):155–61 (Eng. Abstr.) (Spa)

[Usefulness of bronchial aspiration in the diagnosis of pulmonary tuberculosis (letter)] Heredia JL, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):738 (Spa)

[Active pulmonary tuberculosis. Current clinicoradiologic presentation] Marín Trigo JM, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):607–11 (Eng. Abstr.) (Spa)

[Diagnosis of pulmonary tuberculosis in a general hospital] Monreal M, et al. **Med Clin (Barc)** 1983 Oct 22;81(12):503–5 (Eng. Abstr.) (Spa)

[Tuberculous pneumonia as complication of a bronchoscopy] Sesma Sánchez P, et al. **Rev Clin Esp** 1984 May 15; 173(3):185–6 (Spa)

[Comparative study of 41 sputum samples with positive bacilloscopy by the trisodium phosphate and Petroff

technics] Olivares E, et al. **Rev Cubana Med Trop** 1983 May-Aug;35(2):159-63 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Guidelines for the outpatient management of tuberculosis cases, contacts, and suspects. Tuberculosis Division, Alabama Department of Public Health. **Ala Med** 1984 Jun; 53(12):9-11

Short-course chemotherapy for tuberculosis with mainly twice-weekly isoniazid and rifampin. Community physicians' seven-year experience with mainly outpatients. Dutt AK, et al. **Am J Med** 1984 Aug;77(2):233-42

Controlled clinical trial comparing a 6-month and a 12-month regimen in the treatment of pulmonary tuberculosis in the Algerian Sahara. Algerian working group/British Medical Research Council cooperative study. **Am Rev Respir Dis** 1984 Jun;129(6):921-8

A controlled trial of 2-month, 3-month, and 12-month regimens of chemotherapy for sputum-smear-negative pulmonary tuberculosis. Results at 60 months. **Am Rev Respir Dis** 1984 Jul;130(1):23-8

Short-course chemotherapy for pulmonary disease caused by Mycobacterium kansasii. Ahn CH, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1048-50

The management of thirty immunocompromised patients with tuberculosis. Dautzenberg B, et al. **Am Rev Respir Dis** 1984 Mar;129(3):494-6

Lack of relationship between hepatic toxicity and acetylator phenotype in three thousand South Indian patients during treatment with isoniazid for tuberculosis. Gurumurthy P, et al. **Am Rev Respir Dis** 1984 Jan;129(1):58-61

Operational evaluation of treatment for tuberculosis. Results of a 'standard' 12-month regimen in Peru. Hopewell PC, et al. **Am Rev Respir Dis** 1984 Mar;129(3):439-43

Shortest possible acceptable effective chemotherapy in ambulatory patients with pulmonary tuberculosis. Part II. Results during the 24 months after the end of chemotherapy. Mehrotra ML, et al. **Am Rev Respir Dis** 1984 Jun;129(6):1016-7

Six-months isoniazid-rifampin therapy for pulmonary tuberculosis. Report of a United States Public Health Service Cooperative Trial. Snider DE Jr, et al. **Am Rev Respir Dis** 1984 Apr;129(4):573-9

Anti-mycobacterial activity of amikacin. Sabolla L, et al. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):426-32

Hyperuricaemia induced by ethambutol. Narang RK, et al. **Br J Dis Chest** 1983 Oct;77(4):403-6

Problems of tuberculosis in decline [letter] Taylor KJ, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1915

Emergence of multidrug-resistant Mycobacterium fortuitum during treatment. Marin ML, et al. **Chest** 1984 Mar; 85(3):440-1

Leucopenia caused by two rifampicin preparations. van Assendelft AH. **Eur J Respir Dis** 1984 May;65(4):251-8

Problem of drug default and role of 'motivation'. Seetha MA, et al. **Indian J Public Health** 1982 Oct-Dec;26(4):234-43

Role of vitamin D in pulmonary tuberculosis. Narang NK, et al. **J Assoc Physicians India** 1984 Feb;32(2):185-8

Tuberculosis prenatal screening and therapy during pregnancy. Plauché WC, et al. **J La State Med Soc** 1983 Sep;135(9):13-5

A preliminary report on six months antituberculous therapy - clinical study in Gulab Devi Chest Hospital, Lahore. Khan MI, et al. **JPMA** 1983 Oct;33(10):243-7

Tuberculosis today. Dall L. **Mo Med** 1983 Nov;80(11):695-8

Mimi, Violetta and the 'captain of all the men of death' INH (isoniazid) poisoning. Mack RB. **NC Med J** 1984 May; 45(5):321-2

Drug treatment of tuberculosis [letter] Steiner M. **NY State J Med** 1984 Jun;84(6):294-5

Treatment of pulmonary tuberculosis with short course isoniazid-rifampicin regimen compared with standard regimen in ambulatory pediatric clinic. Trastotenojo MS, et al. **Paediatr Indones** 1983 Nov-Dec;23(11-12):240-9

Suppression of prolonged fever during treatment of pulmonary tuberculosis: importance of using twice versus single daily dose of prednisolone. Chung KF, et al. **Postgrad Med J** 1983 Jun;59(692):373-5

Trends in tuberculosis. Citron KM. **Postgrad Med J** 1984 Mar;60(701):187-93

The modern treatment of pulmonary tuberculosis. Costello J. **Postgrad Med J** 1983;59 Suppl 3:181-4

Rapid drug susceptibility testing of M. tuberculosis H 37 Rv with bioluminescence. Beckers B, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:460-1

Antimycobacterial activity of ethambutol in human pulmonary mononuclear phagocytes. Liss RH. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:485-6

The advantages of the antituberculosis regimens which include Sinerdol-EH, a new tuberculostatic of rifampicin-type. Păunescu E. **Rev Ig [Pneumoftiziol]** 1983 Jan-Mar;32(1):33-42

The tolerability and efficacy of a 6-month antituberculosis regimen containing rifampicin, isoniazid and pyrazinamide. Kleeberg HH, et al. **S Afr Med J** 1983 Oct 22;64(18):693-6

An evaluation of the effectiveness of ambulant treatment of pulmonary tuberculosis. McFarlan WM. **S Afr Med J** 1984 Jan 14;65(2):44-6

Tuberculosis management in Soweto. Saunders LD, et al. **S Afr Med J** 1984 Sep 1;66(9):330-3

Pulmonary infection with mycobacterium xenopi: review of treatment and response. Banks J, et al. **Thorax** 1984 May; 39(5):376-82

Study of a fully supervised programme of chemotherapy for pulmonary tuberculosis given once weekly in the continuation phase in the rural areas of Hong Kong. **Tubercle** 1984 Mar;65(1):5-15

Controlled clinical trial of 4 short-couse regimens of chemotherapy (three 6-month and one 8-month) for pulmonary tuberculosis. **Tubercle** 1983 Sep;64(3):153-66

A service programme with a 6-month intensive chemotherapy regimen in the treatment of drug addicts and prisoners with pulmonary tuberculosis in Hong Kong. **Tubercle** 1983 Dec;64(4):265-74

The role of pyrazinamide in primary chemotherapy for pulmonary tuberculosis. Girling DJ. **Tubercle** 1984 Mar; 65(1):1-4

Comparison of a conventional and an initial 2-month intensive drug regimen for treating pulmonary tuberculosis in Swaziland. Shennan DH. **Tubercle** 1984 Jun;65(2):101-4

Reasons for failure in treatment of pulmonary tuberculosis in Ethiopians. Teklu B. **Tubercle** 1984 Mar;65(1):17-21

[Some problems in diagnosis and treatment of pulmonary tuberculosis] **Chung Hua Nei Ko Tsa Chih** 1983 Apr; 22(4):234-7 **(Chi)**

[The potential clinical significance of the isoniazid acetylator phenotype in the treatment of pulmonary tuberculosis] Ellard GA. **Cas Lek Cesk** 1984 Feb 10;123(6):158-64 (Eng. Abstr.) **(Cze)**

[The chemotherapy of tuberculosis] Mitchison DA. **Cas Lek Cesk** 1984 Feb 10;123(6):145-52 (Eng. Abstr.) **(Cze)**

[Intermittent treatment of pulmonary tuberculosis—controlled clinical trials in Czechoslovakia] Víznerová A. **Cas Lek Cesk** 1984 Feb 10;123(6):165-9 (Eng. Abstr.) **(Cze)**

[Drug therapy of tuberculosis in 1983] Chaulet P. **Bull Int Union Tubere** 1983 Mar;58(1):26-36 **(Fre)**

[Short-term chemotherapy. Controlled clinical trials in Chile] Farga V, et al. **Bull Int Union Tubere** 1983 Jun;58(2):102-7 **(Fre)**

[Results of planned treatment of tuberculosis, under field conditions, with a therapeutic regimen consisting of isoniazid, rifampicin and streptomycin] González Montaner LJ, et al. **Bull Int Union Tubere** 1983 Jun;58(2):108-10 **(Fre)**

[Recent data on the chemotherapy of experimental tuberculosis in the mouse] Grosset J, et al. **Bull Int Union Tubere** 1983 Jun;58(2):90-6 **(Fre)**

[Controlled clinical trial of a 3-month regimen and 2 5-month regimens in the treatment of pulmonary tuberculosis. 2d study of the short-term treatment administered in Madras] Tripathy SP. **Bull Int Union Tubere** 1983 Jun;58(2):97-101 **(Fre)**

[Current treatment of pulmonary tuberculosis] Bollinelli R. **Presse Med** 1984 Jun 2;13(23):1427-9 **(Fre)**

[Simultaneous study of the induction effect of rifampicin and the phenotype for acetylation of isoniazid in 21 patients with tuberculosis undergoing a combination treatment] Chailleux E, et al. **Rev Fr Mal Respir** 1980;8(3):219-24 (Eng. Abstr.) **(Fre)**

[Comparison of 3 6-month chemotherapy regimes in pulmonary tuberculosis in routine practice in Algiers. 18th-month results] Chaulet P, et al. **Rev Fr Mal Respir** 1983;11(5):667-76 (Eng. Abstr.) **(Fre)**

[Value of determining plasma INH during antitubercular treatment. Retrospective analysis of 204 cases] Cheminat JC, et al. **Rev Fr Mal Respir** 1983;11(6):867-73 (Eng. Abstr.) **(Fre)**

[Short-term chemotherapy of tuberculosis. Cooperative French trial] Pretet S. **Rev Fr Mal Respir** 1983;11(6):859-66 (Eng. Abstr.) **(Fre)**

[Long-term results of a trial of short-term chemotherapy. French study 6.9.12] Roussel G, et al. **Rev Fr Mal Respir** 1983;11(6):847-57 (Eng. Abstr.) **(Fre)**

[Therapeutic approach to tuberculosis brought in from Third World countries] de Haller R. **Schweiz Med Wochenschr** 1984 Jul 21;114(29):1018-22 (Eng. Abstr.) **(Fre)**

[Current chemotherapy of pulmonary tuberculosis] Gyselen A. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:891-5 (Eng. Abstr.) **(Ger)**

[Clinical trial with rifampicin i.v. 300 and 600 in tuberculosis patients] Jungbluth H. **Prax Klin Pneumol** 1984 May; 38(5):177-81 (Eng. Abstr.) **(Ger)**

[Danger of liver damage in modern antitubercular treatment] Kozma D, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:479-81 (Eng. Abstr.) **(Ger)**

[In vitro studies on the inhibitory effects of rifampicin, pyrazinamide and their combination on mycobacteria with photometric measurement of turbidity] Kroening U. **Prax Klin Pneumol** 1983 Nov;37(11):1167-70 (Eng. Abstr.) **(Ger)**

[Comparison of oral and intravenous rifampicin administration in the treatment of open pulmonary tuberculosis] Loos U, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:482-4 (Eng. Abstr.) **(Ger)**

[Tuberculosis in pregnancy] Reimers D. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:455-7 (Eng. Abstr.) **(Ger)**

[Unmonitored ambulatory short-term therapy of pulmonary tuberculosis] Reinert M, et al. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:458-9 (Eng. Abstr.) **(Ger)**

[Field experiences with 6-month therapy in the treatment of open pulmonary tuberculosis in a refugee camp] Rieder H. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:494-7 (Eng. Abstr.) **(Ger)**

[Comparative studies of cavity dynamics in 6 months of short-term treatment between triple and quadruple therapy following initial intravenous intensive therapy] Schwabe HK, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:462-4 (Eng. Abstr.) **(Ger)**

[Tuberculosis chemotherapy in cases of resistance] Troi K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:477-8 (Eng. Abstr.) **(Ger)**

[Theoretic principles of combined chemotherapy of tuberculosis: several viewpoints] Urbanczik R. **Prax Klin Pneumol** 1983 Sep;37(9):380-4 (Eng. Abstr.) **(Ger)**

[Tuberculosis therapy in patients with renal insufficiency, dialysis and following kidney transplantation] Urbanczik R. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:436-41 (Eng. Abstr.) **(Ger)**

[Effects of chronic alcoholism on tuberculosis treatment] Wohlrabe H, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:447-50 (Eng. Abstr.) **(Ger)**

[Isoniazid--essential facts and recent advances] Zierski M, et al. **Prax Klin Pneumol** 1984 Jun;38(6):201-16 (177 ref.) (Eng. Abstr.) **(Ger)**

[New aspects of short-term chemotherapy of tuberculosis] Zierski M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:473-6 (Eng. Abstr.) **(Ger)**

[Pyrazinamide versus ethambutol in short-term therapy of lung tuberculosis. A randomized study] Fiala W, et al. **Schweiz Med Wochenschr** 1983 Dec 24;113(51):1956-9 (Eng. Abstr.) **(Ger)**

[Therapeutic results in lung diseases caused by atypical mycobacteria] Fischer P, et al. **Z Erkr Atmungsorgane** 1984; 162(1):26-9 (Eng. Abstr.) **(Ger)**

[Present findings on the determination of mycobacterial resistance] Kühne W, et al. **Z Erkr Atmungsorgane** 1983; 161(1):86-95 (Eng. Abstr.) **(Ger)**

[Cochleo-vestibular function in patients submitted to a combined antitubercular treatment (retrospective study)] Mosca F, et al. **Arch Monaldi** 1983 Jul-Aug;38(4):185-94 (Eng. Abstr.) **(Ita)**

[Current therapy for pulmonary tuberculosis] Grassi C, et al. **G Ital Chemioter** 1982 Jul-Dec;29(2):83-6 (Eng. Abstr.) **(Ita)**

[Possibilities and limitations of long-term treatment with rifampicin infusion in tubercular disease] Rosetti L, et al. **G Ital Chemioter** 1982 Jul-Dec;29(2):125-32 (Eng. Abstr.) **(Ita)**

[Antitubercular agents] Eandi M, et al. **Minerva Med** 1984 Mar 17;75(11):555-9 (Eng. Abstr.) **(Ita)**

[Evolution of the treatment of tuberculosis] Grassi C. **Minerva Med** 1984 Mar 17;75(11):569-72 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical studies on forphenicinol, a small-molecular immunomodulator] Ishibashi T, et al. **Jpn J Antibiot** 1984 Feb;37(2):185-97 (Eng. Abstr.) **(Jpn)**

[A controlled trial of 6-month and 12-month regimens after negative conversion of sputum in the original treatment of pulmonary tuberculosis. Report of the 21st series of controlled trials of chemotherapy. Cooperative Study Unit of Chemotherapy of Tuberculosis of National Sanatoria in Japan (CSUCTNS)] **Kekkaku** 1984 Feb;59(2):81-9 (Eng. Abstr.) **(Jpn)**

[Investigation on failures in the treatment of pulmonary tuberculosis with rifampicin. Tuberculosis Research Committee. RYOKEN] **Kekkaku** 1984 Feb;59(2):91-104 (Eng. Abstr.) **(Jpn)**

[Drug combinations and duration of the regimen at the initial treatment of tuberculosis] Hara K. **Kekkaku** 1983 Sep; 58(9):492-5 **(Jpn)**

[Role of thoracic radiography in chemotherapy of tuberculosis] Kameda K. **Kekkaku** 1983 Sep;58(9):501-4 **(Jpn)**

[Evaluation of short-term chemotherapy of pulmonary tuberculosis (2). (a trial of 6-month chemotherapy following negative conversion of the sputum)—a report on the 19th and 20th controlled trials series A of chemotherapy by the Cooperative Study Unit, Japan National Sanatoria)] Nagasawa S. **Kekkaku** 1983 Jun; 58(6):347-53 (Eng. Abstr.) **(Jpn)**

[In vitro activities of antitubercular agents and intensification of combined chemotherapy of tuberculosis] Ooizumi K. **Kekkaku** 1983 Sep;58(9):490-2 **(Jpn)**

[Short course chemotherapy for pulmonary tuberculosis. 3. Initial intensive regimens including pyrazinamide] Suzuki T, et al. **Kekkaku** 1983 Sep;58(9):459-64 (Eng. Abstr.) **(Jpn)**

[A study on short-course chemotherapy for pulmonary tuberculosis. Initial intensive regimens containing streptomycin] Suzuyama Y, et al. **Kekkaku** 1984 Apr; 59(4):277-87 (Eng. Abstr.) **(Jpn)**

[Expectations for newly developed antitubercular agents--antitubercular activity of 27753RP] Toyohara M. **Kekkaku** 1983 Sep;58(9):504-7 **(Jpn)**

[Chemotherapy of lung disease due to Mycobacterium avium-Mycobacterium intracellulare complex by a combination of sulfadimethoxine, minocycline and kitasamycin] Tsukamura M. **Kekkaku** 1984 Jan;59(1):33-7

(Eng. Abstr.) (Jpn)
[Therapeutic failure in the application of rifampin (RFP): evaluation and management] Yamazaki M. **Kekkaku** 1983 Sep;58(9):498–501 (Jpn)
[Case of disseminated Mycobacterium kansasii infection] Aiba M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Apr; 21(4):382–7 (Eng. Abstr.) (Jpn)
[Changes in the visual evoked potentials in patients treated with ethambutol] Podemski R, et al. **Pneumonol Pol** 1983 Apr;51(4):247–52 (Eng. Abstr.) (Pol)
[2 cases of pulmonary mycobacteriosis] Bednarski Z. **Wiad Lek** 1983 Dec 15;36(24):2053–6 (Eng. Abstr.) (Pol)
[Current status of chemotherapy of tuberculosis studied at the World Conference of IUA in Buenos Aires] Anastasatu C. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):97–102 (Rum)
[Aspects of the use of short-term, strictly supervised treatment in ambulatory care facilities] Basacopol A, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):163–8 (Eng. Abstr.) (Rum)
[Possibilities of resolving cases of chronic pulmonary tuberculosis] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):205–14 (Eng. Abstr.) (Rum)
[Results of short-term tuberculostatic treatment at the end of the therapeutic regimen] Tănase C, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar;32(1):43–7 (Eng. Abstr.) (Rum)
[Aspects of chemoresistance of Koch bacillus in the period 1971–1980 in the Constanţa tuberculosis outpatient clinic] Toldişan V, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar; 32(1):53–7 (Eng. Abstr.) (Rum)
[Effectiveness of the rapid intravenous administration of rifampicin and isoniazid and of the intramuscular administration of streptomycin in disseminated destructive pulmonary tuberculosis in dogs] Bondarev IM, et al. **Antibiotiki** 1984 Jun;29(6):430–4 (Eng. Abstr.) (Rus)
[Pharmacokinetics of dihydrostreptomycin, after intravenous administration as a liposomal preparation, in the blood serum and tissues of intact mice and those with generalized tuberculosis] Vladimirskiĭ MA, et al. **Antibiotiki** 1984 Apr; 29(4):282–5 (Eng. Abstr.) (Rus)
[Effect of sodium thiosulfate on morphological manifestations of experimental tuberculosis] Novoselova VP, et al. **Arkh Patol** 1983;45(6):67–73 (Eng. Abstr.) (Rus)
[Efficacy of aerosol therapy of bronchopulmonary tuberculosis] Agzamov RA, et al. **Probl Tuberk** 1983 Oct; (10):56–9 (9 ref.) (Eng. Abstr.) (Rus)
[Synthesis of leukocyte migration inhibition factor in pulmonary tuberculosis patients with concomitant drug intolerance] Alenova AKh, et al. **Probl Tuberk** 1983 Jul; (7):34–8 (Eng. Abstr.) (Rus)
[Potential use of the plant enzyme papain in phthisiosurgery] Blagodarnyĭ IaA, et al. **Probl Tuberk** 1983 Oct;(10):44–7 (1 ref.) (Eng. Abstr.) (Rus)
[Pathogenetic drugs in the treatment of destructive pulmonary tuberculosis in adolescents and adults] Buĭko RG, et al. **Probl Tuberk** 1984 Jan;(1):45–9 (Eng. Abstr.) (Rus)
[Anthranylic acid derivatives in the complex treatment of pulmonary tuberculosis in late middle-aged and elderly patients] Filippova ES. **Probl Tuberk** 1984 May;(5):68–9 (Rus)
[Effectiveness of short-term chemotherapy in patients with newly detected destructive pulmonary tuberculosis] Gol'dshtein VD, et al. **Probl Tuberk** 1984 Jan;(1):29–34 (Eng. Abstr.) (Rus)
[Experimental basis for the use of antioxidants in tuberculosis] Gurieva IG, et al. **Probl Tuberk** 1984 Apr;(4):59–64 (Eng. Abstr.) (Rus)
[L-forms of Mycobacterium tuberculosis during chemotherapy of patients with chronic destructive pulmonary tuberculosis] Karachunskiĭ MA, et al. **Probl Tuberk** 1983 Jul;(7):38–43 (Eng. Abstr.) (Rus)
[Effectiveness of the treatment of experimental destructive pulmonary tuberculosis with antibacterial drugs combined with levamisole and diucifon] Khomenko AG, et al. **Probl Tuberk** 1984 Apr;(4):55–9 (Eng. Abstr.) (Rus)
[Morphologic and biochemical changes in Mycobacterium tuberculosis during chemotherapy] Khomenko AG, et al. **Probl Tuberk** 1983 Jul;(7):48–54 (Eng. Abstr.) (Rus)
[Effect of sodium thiosulfate on indices of nucleic acid during the treatment of pulmonary tuberculosis patients] Kibrik BS, et al. **Probl Tuberk** 1984 May;(5):55–60 (Eng. Abstr.) (Rus)
[Lactate dehydrogenase isoenzymes in pulmonary tuberculosis patients with manifestations of the adverse effects of antituberculer preparations] Kotenko AP. **Probl Tuberk** 1983 Jul;(7):27–30 (Eng. Abstr.) (Rus)
[Team-controlled study the effectiveness of chemotherapy with outpatients with fibrous-cavitary tuberculosis] Margulis NIu, et al. **Probl Tuberk** 1984 Jun;(6):6–11 (Eng. Abstr.) (Rus)
[Immunological and biochemical indicators in the evaluation of the effectiveness of a complex treatment of infiltrative pulmonary tuberculosis] Protopopova NM, et al. **Probl Tuberk** 1984 Jan;(1):26–9 (Eng. Abstr.) (Rus)
[Treatment of patients with infiltrative tuberculosis of the lungs with tuberculin in combination with ethambutol and rifadin] Sattar IKh. **Probl Tuberk** 1984 May;(5):65–6 (Rus)
[Intravenous injection of isoniazid and PAS twice weekly to outpatients with tuberculosis in rural areas] Ursov IG, et al. **Probl Tuberk** 1983 Nov;(11):42–5 (Eng. Abstr.) (Rus)
[B-lymphocytes and the level of circulating immune complexes in pulmonary tuberculosis patients treated with chemotherapy and vitamins] Volosevich GV. **Probl Tuberk** 1983 Jul;(7):20–2 (Eng. Abstr.) (Rus)
[Drug-induced hepatitis in pulmonary tuberculosis patients] Koriakin VIa, et al. **Vrach Delo** 1984 May;(5):60–2 (Eng. Abstr.) (Rus)
[Efficacy of treatment of patients with recurrences of tuberculosis of the respiratory organs] Kuznetsova ZA, et al. **Vrach Delo** 1983 Jul;(7):24–5 (Rus)
[The effect of isoniazid and PAS on various biochemical indices of liver function in patients with tuberculosis] Savula MM, et al. **Vrach Delo** 1983 Jul;(7):16–9 (Eng. Abstr.) (Rus)
[Efficacy of chemotherapy of primary destructive pulmonary tuberculosis] Strakhov NS, et al. **Vrach Delo** 1983 Jul; (7):19–22 (Eng. Abstr.) (Rus)
[Obstacles in the effective therapy of tuberculosis with antitubercular agents] Hal'ák O, et al. **Bratisl Lek Listy** 1984 Jun;81(6):684–7 (Eng. Abstr.) (Slo)
[Advances in the treatment of pulmonary tuberculosis in children] Alcaide Megias J, et al. **An Esp Pediatr** 1983 Sep; 19 Suppl 19:12–7 (Spa)
[Toxicity in the current treatment of pulmonary tuberculosis in children] Altet Gómez MN, et al. **An Esp Pediatr** 1984 Jan;20(1):18–27 (Eng. Abstr.) (Spa)
[Short-course treatment of tuberculosis on a 7-month schedule with an initial intensive phase of 1 month (TA-81)] Farga V, et al. **Rev Med Chil** 1984 Mar; 112(3):290–5 (Eng. Abstr.) (Spa)
[Short-course chemotherapy for tuberculosis in Chile. Operational considerations] Valenzuela P, et al. **Rev Med Chil** 1984 Mar;112(3):287–9 (Spa)

ECONOMICS

[Theoretical cost of the medical treatment of a case of tuberculosis in France in 1982] Pretet S, et al. **Rev Fr Mal Respir** 1983;11(5):677–85 (Eng. Abstr.) (Fre)
[Economic efficiency in treating tuberculosis patients with concomitant peptic ulcer] Petrenko VM, et al. **Vrach Delo** 1984 Feb;(2):6–8 (Rus)

ENZYMOLOGY

Changes of s-angiotensin-converting enzyme (SACE) during antituberculous chemotherapy. Harving H, et al. **Lung** 1983;161(5):307–11
Serum angiotensin-converting enzyme and delayed hypersensitivity in pulmonary tuberculosis. Grange JM, et al. **Tubercle** 1984 Jun;65(2):117–21
[Proteinase-inhibitor system indices of bronchial secretion in pulmonary tuberculosis patients] Maliev BM. **Vrach Delo** 1984 Jul;(7):49–52 (Eng. Abstr.) (Rus)

ETIOLOGY

Mycobacterial pulmonary infections after allogeneic bone marrow transplantation. Kurzrock R, et al. **Am J Med** 1984 Jul;77(1):35–40
Mycobacterial infections in marrow transplant patients. Navari RM, et al. **Transplantation** 1983 Nov;36(5):509–13
[Tuberculosis in patients with malignant diseases, autoimmune diseases and immunosuppression] Haegi V, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:430–5 (Eng. Abstr.) (Ger)
[Tuberculosis following kidney transplantation] Ulshöfer B, et al. **Urologe [Ausg A]** 1984 Jul;23(4):201–3 (Eng. Abstr.) (Ger)
[Pathogenesis of pulmonary tuberculosis from the current viewpoint] Werner E. **Z Gesamte Inn Med** 1983 Aug 15; 38(16):445–7 (Eng. Abstr.) (Ger)
[Clinico-immunological factors relating to the onset of tuberculosis] Mikami R. **Kekkaku** 1984 Jan;59(1):39–63 (Eng. Abstr.) (Jpn)
[Reactivation of tuberculosis in patients treated with corticosteroids] Haanaes OC, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1136–7 (Eng. Abstr.) (Nor)
[Infection of an infant by a mother with tuberculous suppurative changes in the breasts] Kurzawa R. **Pediatr Pol** 1983 Nov;58(11):905–7 (Pol)
[Comparative characteristics of the degree of health education among patients with tuberculosis and other diseases] Lomachenkov VD, et al. **Probl Tuberk** 1984 Jan; (1):14–6 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Primary tuberculosis in a child of a parent with drug-resistant infection. Alexander WJ, et al. **Ala J Med Sci** 1984 Jul; 21(3):287–9
Genetic effects of drug interaction in tuberculosis patients and their fate. Jaju M, et al. **Teratogenesis Carcinog Mutagen** 1984;4(3):261–72
HLA haplotype segregation study in multiple case families of pulmonary tuberculosis. Singh SP, et al. **Tissue Antigens** 1984 Jan;23(1):84–6
[An epidemiological survey] Teodoru M, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec;32(4):375–7 (Rum)
[Dermatoglyphic characteristics of adolescents with pulmonary tuberculosis] Starozhinskaia TA, et al. **Vrach Delo** 1984 Jul;(7):47–9 (Eng. Abstr.) (Rus)

HISTORY

Ghon but not forgotten: Anton Ghon and his complex. Ober WB. **Pathol Annu** 1983;18 Pt 2:79–85
Tuberculosis and art. Dubovsky H. **S Afr Med J** 1983 Nov 12;64(21):823–6
[Intermittent chemotherapy of pulmonary tuberculosis. With particular emphasis on the contribution of the WHO Cooperative Center for Tuberculosis Chemotherapy in Prague] Fox W. **Cas Lek Cesk** 1984 Feb 10;123(6):153–7 (Eng. Abstr.) (Cze)
[Robert Koch's significance for Japanese medicine—tuberculosis research in Japan] Fujita S. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:423–9 (Eng. Abstr.) (Ger)
[Jenö Gárdi, pioneer of rehabilitation in Hungary (1886–1944)] Balóné Fleischmann M. **Orv Hetil** 1984 Feb 19;125(8): 470–2 (Hun)
[Tuberculin] Moskwa Z. **Wiad Lek** 1983 Jun 15;36(12):1033–5 (Eng. Abstr.) (Pol)
[V.G. Shtefko and the Russian school of pathologists-phthisiologists] Strukov AI, et al. **Arkh Patol** 1984;46(2):81–5 (Rus)
[Growth and achievements of surgery of pulmonary tuberculosis in the USSR] Bogush LK. **Probl Tuberk** 1983 Oct;(10):3–7 (1 ref.) (Rus)
[60th anniversary of the Yalta Tuberculosis Dispensary] Gulida MV. **Probl Tuberk** 1984 Mar;(3):71–2 (Rus)
[Development of surgical treatment methods for pulmonary tuberculosis in the Uzbek SSR] Kariev TM. **Probl Tuberk** 1984 Jun;(6):69–71 (Rus)

IMMUNOLOGY

Serology of tuberculosis and BCG vaccination. **Adv Tuberc Res** 1984;21:1–251
The humoral immune response in tuberculosis: its nature, biological role and diagnostic usefulness. Grange JM. **Adv Tuberc Res** 1984;21:1–78 (339 ref.)
Mycobacterial sensitivity elicited with a PPD devoided of the majority of the antigens common with BCG. Results on healthy-BCG vaccinated and tuberculous children. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep;42(2–3):221–6
Analysis of T cell subsets by monoclonal antibodies in patients with tuberculosis after in vitro stimulation with purified protein derivative of tuberculin. Shiratsuchi H, et al. **Clin Exp Immunol** 1984 Aug;57(2):271–8
Antibodies to purified tuberculin (PPD) in pulmonary tuberculosis & their correlation with PPD skin sensitivity. Gupta AK, et al. **Indian J Med Res** 1983 Oct;78:484–8
Human leukocyte antigen (HLA)-linked control of susceptibility to pulmonary tuberculosis and association with HLA-DR types. Singh SP, et al. **J Infect Dis** 1983 Oct;148(4):676–81
Association of altered dynamics of monocyte surface expression of human leukocyte antigen DR with immunosuppression in tuberculosis. Tweardy DJ, et al. **J Infect Dis** 1984 Jan;149(1):31–7
HLA haplotype segregation study in multiple case families of pulmonary tuberculosis. Singh SP, et al. **Tissue Antigens** 1984 Jan;23(1):84–6
Serology of tuberculosis. II. Measurement of antibodies to Mycobacterium tuberculosis by a passive haemagglutination test in human tuberculosis. Jagannath C, et al. **Tubercle** 1983 Sep;64(3):201–10
Filtrable forms of mycobacteria tuberculosis. Khomenko AC, et al. **Z Erkr Atmungsorgane** 1984;162(2):147–54
[Cellular and molecular nature of tubercular immunity in man] Crowle AJ, et al. **Bull Int Union Tuberc** 1983 Mar; 58(1):75–84 (Fre)
[Importance of recent advances in our understanding of antimicrobial cell-mediated immunity to the International Union for the Prevention of Tuberculosis] Rook GA. **Bull Int Union Tuberc** 1983 Mar;58(1):62–72 (Fre)
[Anti-BCG titers of healthy and tuberculous Africans. Use of the indirect immunoperoxidase test] Agius G, et al. **Rev Mal Respir** 1984;1(1):19–23 (Eng. Abstr.) (Fre)
[Tuberculin testing in 15 and 16-year-old students, who, as newborns, were vaccinated with BCG] Werner E. **Z Gesamte Inn Med** 1983 Sep 15;38(18):498–9 (Eng. Abstr.) (Ger)
[Response of the body to tuberculous infection] Dianzani MU. **Minerva Med** 1984 Mar 17;75(11):543–9 (Eng. Abstr.) (Ita)
[Tuberculosis with a negative tuberculin reaction and tuberculin sensitivity in atypical mycobacterial infection] Kurasawa T. **Kekkaku** 1983 Oct;58(10):547–9 (Jpn)
[Cell-mediated immunity in pulmonary tuberculosis associated with diabetes mellitus] Onishi K, et al. **Kekkaku** 1983 Aug;58(8):421–5 (Eng. Abstr.) (Jpn)
[Dinitrochlorobenzene (DNCB) skin test in children with inflammatory diseases of the respiratory tract and tuberculosis] Herbert-Zebrowska H. **Pediatr Pol** 1983 Oct; 58(10):819–24 (Eng. Abstr.) (Pol)
[Sensitivity to tuberculin in children with various types of tuberculosis of the respiratory system] Rudnik J, et al. **Pediatr Pol** 1983 Oct;58(10):803–10 (Eng. Abstr.) (Pol)
[In vitro tuberculin reaction and cellular and humoral

immune response in patients with pulmonary tuberculosis] de Araujo AC, et al. **Rev Saude Publica** 1983 Apr; 17(2):94–111 (Eng. Abstr.) **(Por)**

[Immunological reactivity of patients with pulmonary tuberculosis combined with chronic bronchitis] Molotkov VN, et al. **Klin Med (Mosk)** 1984 Feb;62(2):32–7 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of immunological reactivity in persons with hyperergic and normoergic skin reactions to tuberculin] Chernushenko EF, et al. **Probl Tuberk** 1983 Sep;(9):18–23 (Eng. Abstr.) **(Rus)**

[State of immunity in patients with destructive infiltrative pulmonary tuberculosis after effective and ineffective therapy] Pakhomov AM. **Probl Tuberk** 1983 Sep;(9):23–6 (Eng. Abstr.) **(Rus)**

[Tuberculosis and bodily reactivity] Puzik VI. **Sov Med** 1984; (2):71–3 **(Rus)**

[Immunological indices in evaluation of the activity of pulmonary tuberculosis] Iareshko AG, et al. **Vrach Delo** 1983 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of chronic pulmonary tuberculosis by the enzymatic immunoassay method (ELISA)] García-Ortigoza E, et al. **Rev Latinoam Microbiol** 1982 Jul–Sep;24(3):193–203 (Eng. Abstr.) **(Spa)**

[Immunopathology of tuberculosis: the role of activated macrophages in the evolution of the tuberculous lesion] Rojas Espinoza O. **Salud Publica Mex** 1983 Nov–Dec; 25(6):591–600 (Eng. Abstr.) **(Spa)**

METABOLISM

Increased nonrenal clearance of cimetidine during antituberculous therapy. Keller E, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jun;22(6):307–11

The dissolution and bioavailability of rifampicin products in healthy subjects and tubercular patients. Shinozawa S, et al. **Res Commun Chem Pathol Pharmacol** 1983 Oct; 42(1):161–4

[Surface-active properties of lung tissue in evaluating the postoperative period in tuberculotics] Birkun AA, et al. **Probl Tuberk** 1984 Jun;(6):53–5 (Eng. Abstr.) **(Rus)**

[Concentration of histamine in the sputum of patients with chronic obstructive lung diseases and chronic pulmonary tuberculosis] Jakupi M, et al. **Pluc Bolesti Tuberk** 1983 Jan–Dec;35(1–4):103–7 (Eng. Abstr.) **(Scr)**

MICROBIOLOGY

Antituberculosis drug resistance in south Texas. Carpenter JL, et al. **Am Rev Respir Dis** 1983 Dec;128(6):1055–8

Acid-fast bacilli in sputum smears of patients with pulmonary tuberculosis. Prevalence and significance of negative smears pretreatment and positive smears post-treatment. Kim TC, et al. **Am Rev Respir Dis** 1984 Feb;129(2):264–8

The role of Mycobacterium xenopi in human disease. Simor AE, et al. **Am Rev Respir Dis** 1984 Mar;129(3):435–8

Non-tuberculous bacterial flora of sputum in pulmonary tuberculosis. Agarwal SK, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):55–9

Lung infection due to Mycobacterium xenopi: report of the first case in Japan. Tsukamura M, et al. ***Microbiol Immunol*** *1984;28(1):123–7*

[Study of tubercle bacilli from persistently sputum-positive patients treated with antituberculosis drugs for long duration in 3 Shanghai districts] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Aug;6(4):222–4 (Eng. Abstr.) **(Chi)**

[Bacteriology and immunology in tuberculosis] Mitchison DA. **Bull Int Union Tuberc** 1983 Mar;58(1):37–43 **(Fre)**

[Mycobacterium szulgai pulmonary mycobacteriosis, Apropos of a new case] Texier J, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2260–1 (Eng. Abstr.) **(Fre)**

[Mycobacteria] Petersen KF. **Prax Klin Pneumol** 1983 Oct; 37 Suppl 1:412–7 (Eng. Abstr.) **(Ger)**

[Mycobacterium kansasii as a pathogen in extensive cavitation of the right anterior lobe in a 13-year-old girl] Schildge J, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:490–3 (Eng. Abstr.) **(Ger)**

[Detection of niacin in Mycobacterium tuberculosis with Bacto INH test strips] Schröder KH, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1171–3 (Eng. Abstr.) **(Ger)**

[The etiological agent of tuberculosis] Cavallo G. **Minerva Med** 1984 Mar 17;75(11):531–4 (Eng. Abstr.) **(Ita)**

[Mycobacterial infections] Mazzarone R. **Minerva Med** 1984 Mar 17;75(11):535–42 (Eng. Abstr.) **(Ita)**

[A case of pulmonary disease caused by M. fortuitum] Ichimura K, et al. **Kekkaku** 1983 Oct;58(10):529–32 (Eng. Abstr.) **(Jpn)**

[A trial of intratracheal infection with Mycobacterium intracellulare to conventional mice] Lee Y. **Kekkaku** 1983 May;58(5):279–86 (Eng. Abstr.) **(Jpn)**

[Selection of a method of preserving pathological material from tuberculosis patients for transport in the Far North] Grashchenkova OV, et al. **Lab Delo** 1983;(8):58–9 **(Rus)**

[Intracellular activity of Mycobacteria in patients with recurrent pulmonary tuberculosis] Rudol NM, et al. **Probl Tuberk** 1984 Jan;(1):58–62 (Eng. Abstr.) **(Rus)**

MORTALITY

Deaths occurring in newly notified patients with pulmonary tuberculosis in England and Wales. Humphries MJ, et al. **Br J Dis Chest** 1984 Apr;78(2):149–58

OCCURRENCE

Evaluation of tuberculosis control programs: some national trends. Powell KE, et al. **Am J Public Health** 1984 Apr; 74(4):344–8

Study of case-finding for pulmonary tuberculosis in outpatients complaining of a chronic cough at a district hospital in Kenya. Aluoch JA, et al. **Am Rev Respir Dis** 1984 Jun;129(6):915–20

Changes in tuberculosis notification rates in the white ethnic group in England between 1971 and 1978/79. Nunn AJ, et al. **Br J Dis Chest** 1984 Apr;78(2):159–62

The clinical pattern of tuberculosis in Zimbabwe, 1974–81. Taylor DA, et al. **Cent Afr J Med** 1983 Oct;29(10):193–6

A survey to assess passive case-finding in pulmonary tuberculosis in Kenya. Aluoch JA. **East Afr Med J** 1983 Jun;60(6):360–6

Tuberculosis in Inuit. Grzybowski S, et al. **Ecol Dis** 1983; 2(2):145–8

Tuberculosis [letter] Foley-Nolan A, et al. **Ir Med J** 1983 Nov;76(11):473

Persistent tuberculous disease among inmates of common lodging houses. Shanks NJ, et al. **J Epidemiol Community Health** 1984 Mar;38(1):66–7

Tuberculosis in Louisiana. George RB. **J La State Med Soc** 1984 Mar;136(3):4–6 (10 ref.)

Incidence of typical and atypical mycobacteria in pulmonary infections at Lahore—a study of 500 cases. Akhtar N, et al. **JPMA** 1984 Apr;34(4):84–7

Epidemiology of tuberculosis. Pio A. **Minerva Med** 1984 Mar 17;75(11):507–17

Tuberculosis infection in Mount Sinai medical students: 1974–1982. Weinstein RS, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):283–6

The epidemiological situation of tuberculosis and the impact of control measures. Styblo K. **Prax Klin Pneumol** 1983 Sep;37(9):346–51

[Is tuberculosis still a problem?] Windorfer A. **Med Welt** 1983 Sep 30;34(39):1078–80 **(Ger)**

[World status and future of tuberculosis 100 years following the discovery of M. tuberculosis] Styblo K. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:418–22 (Eng. Abstr.) **(Ger)**

[The tuberculosis situation in Vietnam] Pham KQ, et al. **Z Erkr Atmungsorgane** 1983;161(1):103–6 (Eng. Abstr.) **(Ger)**

[The dynamics of tuberculosis] Werner E. **Z Gesamte Inn Med** 1984 Mar 15;39(6):103–5 (Eng. Abstr.) **(Ger)**

[Epidemiologic data on patients with bronchial asthma registered at tuberculosis clinics] Schweiger O, et al. **Orv Hetil** 1983 Nov 20;124(47):2861–3 (Eng. Abstr.) **(Hun)**

[Current problems of tuberculosis during the developmental age] Castello D. **Minerva Med** 1984 Mar 17;75(11):525–9 (Eng. Abstr.) **(Ita)**

[Tuberculosis in Italy] Concina E. **Minerva Med** 1984 Mar 17;75(11):519–24 (Eng. Abstr.) **(Ita)**

[An outbreak of tuberculosis among high school students] Kawano S, et al. **Kekkaku** 1984 Feb;59(2):67–80 (Eng. Abstr.) **(Jpn)**

[M. kansasii infection in Okayama prefecture. A consideration on the relationship of the occurrence of 4 cases] Matsushima T, et al. **Kekkaku** 1983 May;58(5):299–305 (Eng. Abstr.) **(Jpn)**

[Relationship between prevalence rates of non-tuberculous lung mycobacteriosis and active lung tuberculosis. Geographic difference of the prevalence rate of non-tuberculous lung mycobacteriosis] Tsukamura M, et al. **Kekkaku** 1984 Feb;59(2):105–13 (Eng. Abstr.) **(Jpn)**

[Atypical mycobacterium infection in Japan (the 1981 report of the Mycobacteriosis Research Group of the National Chest Hospitals). Increases of the incidences of Mycobacterium kansasii infection and variability of the infective organisms (incidences of Mycobacterium nonchromogenicum infection)] Tsukamura M, et al. **Kekkaku** 1983 Jun;58(6):339–46 (Eng. Abstr.) **(Jpn)**

[Epidemiological aspects of tuberculosis in some population groups] Dobre V, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):103–9 (Eng. Abstr.) **(Rum)**

[Correlations between urbanization and tuberculous endemia] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan–Mar; 32(1):13–20 (Eng. Abstr.) **(Rum)**

[Means for the potential improvement of the classification of family-housing foci of tuberculosis and of its control] Arenskii VA. **Probl Tuberk** 1984 Jun;(6):11–4 (Eng. Abstr.) **(Rus)**

[Determination of tuberculosis infection in children, adolescents and adults following mass intradermal BCG vaccination] Bubochkin BP. **Probl Tuberk** 1983 Sep; (9):9–13 (Eng. Abstr.) **(Rus)**

[Structure of clinical forms of tuberculosis and its course in children and adolescents of rural localities] Budnevich RI, et al. **Probl Tuberk** 1983 Nov;(11):23–7 (Eng. Abstr.) **(Rus)**

[Incidence of tuberculosis in x-ray negative and x-ray positive prepubertal children and adolescents] Chalka VS, et al. **Probl Tuberk** 1983 Dec;(12):14–6 (Eng. Abstr.) **(Rus)**

[Detection of pulmonary tuberculosis patients among rural inhabitants] Gafurov KG, et al. **Probl Tuberk** 1984 Jun; (6):16–9 (Eng. Abstr.) **(Rus)**

[Pulmonary tuberculosis among the rural inhabitants of the Lithuanian SSR] Gaidamonene DT. **Probl Tuberk** 1984 Jun; (6):14–6 (Eng. Abstr.) **(Rus)**

[Pulmonary tuberculosis and tobacco smoking] Kulachkovskiĭ IuV, et al. **Probl Tuberk** 1983 Nov;(11):40–2 (Eng. Abstr.) **(Rus)**

[Dynamics of the basic indices of the incidence of tuberculosis in experimental and control territories 1972–1982] Margulis NIu. **Probl Tuberk** 1984 Mar;(3):8–11 (Eng. Abstr.) **(Rus)**

[Evolution of the rate of decrease in the indices of tuberculosis incidence and the affecting factors] Molotkov VN, et al. **Probl Tuberk** 1984 Jun;(6):3–6 (Eng. Abstr.) **(Rus)**

[Tuberculosis in adolescents] Nichiporuk VA, et al. **Probl Tuberk** 1983 Nov;(11):27–9 (Eng. Abstr.) **(Rus)**

[Characteristics of patients with newly detected tuberculosis and its recurrence based on the data of dispensary observations] Shefer LB, et al. **Probl Tuberk** 1984 Apr; (4):13–7 (Eng. Abstr.) **(Rus)**

[Tuberculosis in drivers] Zaĭkova KI, et al. **Probl Tuberk** 1984 Mar;(3):64 **(Rus)**

[Significance of the L transformation and reversion of the causative agent in the epidemiology of tuberculosis] Khomenko AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):9–14 (25 ref.) **(Rus)**

[Incidence and diagnosis of pulmonary tuberculosis in an internal medicine service] Fernández-Nogués F, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):651–4 (Eng. Abstr.) **(Spa)**

[Epidemiologic study of tuberculosis in the province of Granada] Pérez Contreras J, et al. **Rev Clin Esp** 1984 Feb 15;172(3):165–9 (Eng. Abstr.) **(Spa)**

[Epidemiology and clinical features of pulmonary tuberculosis in southern Costa Brava. Prospective study] Casamitja Sot MT, et al. **Rev Sanid Hig Publica (Madr)** 1983 Jan–Feb;57(1–2):65–74 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Demonstration of amyloid protein AA in old museum specimens. Westermark P, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):217–9

Fine needle biopsy of tuberculomas [letter] Sinner WN. **Chest** 1984 Jun;85(6):836

Ultrastructure of cilia in pulmonary tuberculosis. Ahonen A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):460–3

Co-existent pulmonary tuberculosis and bronchogenic carcinoma with involvement of a solitary lymph node. Kundu AK, et al. **J Indian Med Assoc** 1983 Aug; 81(3–4):57–9

[Anatomo-clinical conference. Hôpital Cochin. Case no. 5—1983. Interstitial pneumopathy, polyarthritis and subcutaneous nodules in a 45-year-old man] Choudat D, et al. **Ann Med Interne (Paris)** 1983;134(5):492–7 **(Fre)**

[Significant changes in the pathologic-anatomical manifestations of tuberculosis] Kalich R. **Z Erkr Atmungsorgane** 1983;161(1):80–5 (Eng. Abstr.) **(Ger)**

[Roundish hilar opacities. Clinical case] Iuliano A, et al. **Arch Monaldi** 1983 May–Jun;38(3):95–104 (Eng. Abstr.) **(Ita)**

[A study on experimental mycobacterioses provoked by atypical mycobacteria. Trials in airborne infection of mice with Mycobacterium intracellulare. (2)] Kuze F, et al. **Kekkaku** 1984 Feb;59(2):115–22 (Eng. Abstr.) **(Jpn)**

[Clinicopathological and immunological studies of pulmonary tuberculosis in the aged] Miyazaki N, et al. **Kekkaku** 1983 Aug;58(8):427–33 (Eng. Abstr.) **(Jpn)**

[Pathomorphosis of tuberculosis of the respiratory organs] Iashchenko BP. **Probl Tuberk** 1984 Jun;(6):64–9 **(Rus)**

[Bronchoalveolar lavage in patients with pulmonary tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1984 Jan; (1):34–8 (Eng. Abstr.) **(Rus)**

[Pulmonary tuberculosis in an adolescent under long-term treatment for rheumatism] Lebedeva LV, et al. **Probl Tuberk** 1984 Mar;(3):66–7 **(Rus)**

[Cytological characteristics of the bronchial epithelium in lung cancer and chronic lung disease] Krasil'nikova LA. **Vopr Onkol** 1984;30(4):39–43 (Eng. Abstr.) **(Rus)**

[Function-morphological characteristics of the gastric mucosa in patients with pulmonary tuberculosis] Brazhenko NA. **Vrach Delo** 1983 Jul;(7):26–9 (Eng. Abstr.) **(Rus)**

[Morphological changes in the air-blood barrier in pulmonary tuberculosis treated with a permanent magnetic field] Stasiuk GA, et al. **Vrach Delo** 1984 Jul;(7):52–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Fifteen year follow-up of lung function in obstructive and non-obstructive pulmonary tuberculosis. Vargha G. **Acta Med Hung** 1983;40(4):271–6

Pregnancy and tuberculosis. Snider D. **Chest** 1984 Sep;86(3 Suppl):10S–13S (25 ref.)

Peak expiratory flow rate in pulmonary tuberculosis. Jain SK, et al. **J Assoc Physicians India** 1983 Mar;31(3):135–8

[Comparative statistical study of global and local functional respiratory data in 2 groups of patients with pulmonary or pleural tuberculosis] Bedu M, et al. **Rev Pneumol Clin** 1984;40(3):173–8 (Eng. Abstr.) **(Fre)**

[Cardiopulmonary dysfunction and pulmonary tuberculosis] Haga T. **Kekkaku** 1983 Jun;58(6):329–38 **(Jpn)**

[Changes in the regional vital capacity of the lung in tuberculotics depending on treatment effectiveness] Agapov Iu1a, et al. **Probl Tuberk** 1984 Jun;(6):26–30 (Eng. Abstr.) **(Rus)**

[Chronic cor pulmonale in fibrocavernous pulmonary tuberculosis (an electrocardiographic and organometric study)] Dubchak BI, et al. **Probl Tuberk** 1984 Mar;(3):51–5 (Eng. Abstr.) **(Rus)**

[Aqueous media and water-salt metabolism in the circulatory bed of patients operated on for pulmonary tuberculosis] Kagalovskiĭ GM, et al. **Probl Tuberk** 1984 Jun;(6):46–9 (Eng. Abstr.) **(Rus)**

[Zonal changes in blood pressure of the lesser circulation in pulmonary tuberculosis patients] Norelko BV, et al. **Probl Tuberk** 1984 Mar;(3):29–33 (Eng. Abstr.) **(Rus)**

[Various indicators of the hormonal profile and the physical development of adolescents with tuberculosis] Ovsiankina ES. **Probl Tuberk** 1984 Apr;(4):36–41 (Eng. Abstr.) **(Rus)**

[Capillary blood flow changes in the lungs of tuberculosis and bronchial asthma patients] Ershov AI, et al. **Sov Med** 1984;(6):22–7 (Eng. Abstr.) **(Rus)**

[External respiration function in patients with tuberculosis following lung resection] Gorgol' VI, et al. **Vrach Delo** 1983 Jun;(6):60–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

BCG complications. Estimates of the risks among vaccinated subjects and statistical analysis of their main characteristics. Lotte A, et al. **Adv Tuberc Res** 1984;21:107–93

Research on BCG vaccination. ten Dam HG. **Adv Tuberc Res** 1984;21:79–106

Control and prevention of tuberculosis: a code of practice. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1118–21

Control and prevention of tuberculosis [letter] Jachuck SJ, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1722–3

Eradication of tuberculosis in Europe—so near and yet so far. Horne NW. **Eur J Respir Dis [Suppl]** 1983;126:169–73

Infection with Mycobacterium kansasii and efficacy of vaccination against tuberculosis. Orme IM, et al. **Immunology** 1983 Dec;50(4):581–6

Public health notes. Blankenbaker RG. **Indiana Med** 1984 May;77(5):357, 419

PPD skin tests for workers [letter] Silver HJ. **Infect Control** 1984 May;5(5):211–2

Tuberculosis in the elderly [letter] Stead WW. **J Am Geriatr Soc** 1984 Jan;32(1):82–3

Tuberculosis in hospital. George RH. **J Hosp Infect** 1984 Jun;5(2):109–17

Mass screening for tuberculosis in an isolated United States Army outpost. Ferraris VA, et al. **Milit Med** 1984 Aug; 149(8):457–8

BCG and vole bacillus vaccination in adolescence and mortality from leukaemia. Sutherland I. **Stat Med** 1982 Oct–Dec;1(4):329–35

Control and prevention of tuberculosis: a code of practice [editorial] Horne NW. **Thorax** 1984 May;39(5):321–5

Ten year evaluation of a trial of chemoprophylaxis against tuberculosis in Frobisher Bay, Canada. Dorken E, et al. **Tubercle** 1984 Jun;65(2):93–9

The future of the fight against tuberculosis in the world. Pio A. **Z Erkr Atmungsorgane** 1983;161(1):96–9

[Seven consecutive yearly survey of tuberculosis epidemiology and control of a rural community in Beijing suburb] Wu ZR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Feb;7(1):7–9 (Eng. Abstr.) **(Chi)**

[Preventive vaccination against tuberculosis: BCG] LaGrange PH. **Ann Pediatr (Paris)** 1984 Jun;31(6):461–8 (Eng. Abstr.) **(Fre)**

[The emperor is naked! Comment on the report of the joint study group of the International Union for the Prevention of Tuberculosis and the World Health Organization.] Chaulet P. **Bull Int Union Tuberc** 1983 Jun;58(2):154–7 **(Fre)**

[Prevention of tuberculosis. Synthesis] Dahlstrom G. **Bull Int Union Tuberc** 1983 Mar;58(1):43–8 **(Fre)**

[Antituberculosis campaign. Report of a joint study group of the International Union for the Prevention of Tuberculosis and the World Health Organization, Geneva, 14–18 September 1981] Mahler H. **Bull Int Union Tuberc** 1983 Jun;58(2):151–4 **(Fre)**

[Prevention of tuberculosis and mass X-ray screening—reflections on the new organization] Meier E, et al. **Off Gesundheitswes** 1984 Aug;46(8):387–92 **(Ger)**

[Administrative measures to promote preference for tuberculin tests for teachers within the scope of paragraph 47 of the Federal Communicable Disease Law] Bolt M. **Prax Klin Pneumol** 1983 Jul;37(7):283–5 (Eng. Abstr.) **(Ger)**

[Tuberculin conversion—what to do?] Neumann G. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:634–7 (Eng. Abstr.) **(Ger)**

[The strategy of tuberculosis control in East Germany after 1982] Herrmann H. **Z Erkr Atmungsorgane** 1983; 161(1):107–16 (Eng. Abstr.) **(Ger)**

[Control priorities in tuberculosis in the endemic stage] Lock W. **Z Erkr Atmungsorgane** 1983;161(1):100–2 (Eng. Abstr.) **(Ger)**

[The development of tuberculosis control and tuberculosis epidemiology in East Germany] Steinbrück P. **Z Erkr Atmungsorgane** 1983;161(1):36–45 (Eng. Abstr.) **(Ger)**

[Task catalogue for Policlinical Departments for Lung Diseases and Tuberculosis for carrying out current fitness and supervision examinations on occupational medicine in the district of Schwerin] Willroth PO, et al. **Z Erkr Atmungsorgane** 1983;161(3):286–90 (Eng. Abstr.) **(Ger)**

[Antituberculosis activity today] Giobbi A. **Minerva Med** 1984 Mar 17;75(11):609–11 (Eng. Abstr.) **(Ita)**

[Prevention of tuberculosis today] Orlandi A. **Minerva Med** 1984 Mar 17;75(11):589–93 (Eng. Abstr.) **(Ita)**

[Improving the quality of preventive examinations for early detection and prevention of tuberculosis in adolescents] Bolotnikova VA. **Probl Tuberk** 1984 Apr;(4):6–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of record files and systematized archives of fluorograms in mass preventive examinations for tuberculosis] Chaĭka VS, et al. **Probl Tuberk** 1984 Apr; (4):17–20 (Eng. Abstr.) **(Rus)**

[Role of antituberculosis institutions in the prevention, detection and treatment of chronic nonspecific lung diseases] Gamperis IuL, et al. **Probl Tuberk** 1983 Aug; (8):11–3 (Eng. Abstr.) **(Rus)**

[New cases of pulmonary tuberculosis and various methods of detection] Ginzburg EA, et al. **Probl Tuberk** 1983 Dec; (12):3–7 (Eng. Abstr.) **(Rus)**

[Examination of people and animals for tuberculosis and measures for its prevention] Khamrakulov RSh, et al. **Probl Tuberk** 1984 Mar;(3):12–4 (Eng. Abstr.) **(Rus)**

[Reaction of newborn infants to BCG vaccination carried out on the 4th day of life] Kozlova AV. **Probl Tuberk** 1983 Sep;(9):7–9 (Eng. Abstr.) **(Rus)**

[Efficacy of pharmaceutical prevention in population groups at high risk for tuberculosis] Maskeev KM, et al. **Probl Tuberk** 1984 Feb;(2):14–7 (Eng. Abstr.) **(Rus)**

[Role of fluorographic examinations in tuberculosis detection during the decline of tuberculosis endemy] Meve EB. **Probl Tuberk** 1984 Mar;(3):3–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the quality of early detection of tuberculosis during mass preventive fluorographic examination of the population] Sain DO, et al. **Probl Tuberk** 1984 May;(5):7–10 (Eng. Abstr.) **(Rus)**

[Efficacy of centralized re-reading of fluorography films] Tyrlygin MA, et al. **Probl Tuberk** 1984 May;(5):13–6 (Eng. Abstr.) **(Rus)**

[Current problems in the diagnosis and treatment of tuberculosis] Khomenko AG. **Sov Med** 1983;(10):3–6 **(Rus)**

[Retrospective analysis of the fluorograms of patients with pulmonary tuberculosis diagnosed for the first time] Druzhinina VS, et al. **Vestn Rentgenol Radiol** 1984 May–Jun;(3):50–3 (Eng. Abstr.) **(Rus)**

[Newly diagnosed cases of pulmonary tuberculosis as a phthisiopulmonologic problem] Shvaenko NP. **Vrach Delo** 1984 May;(5):63–5 (Eng. Abstr.) **(Rus)**

[Simultaneous vaccination against influenza A and tuberculosis] Zykov MP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):101–6 (Eng. Abstr.) **(Rus)**

[Tasks and methods in the campaign against tuberculosis in an era of its regression as an epidemic] Goldman S. **Piucne Bolesti Tuberk** 1983 Jan–Dec;35(1–4):5–9 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

[Tuberculosis and the creative human] Forschbach G. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:405–8 **(Ger)**

RADIOGRAPHY

Pulmonary cavitations in Mycobacterium kansasii: distinctions from M. tuberculosis. Zvetina JR, et al. **AJR** 1984 Jul;143(1):127–30

Radiological case of the month. Asymptomatic calcified pulmonary tuberculosis. Bui HD, et al. **Am J Dis Child** 1984 Jan;138(1):91–3

Ineffectiveness of annual chest roentgenograms in tuberculin skin test–positive hospital employees. Reeves SA, et al. **Am J Infect Control** 1983 Dec;11(6):212–6

The mistaken diagnosis of calcification in a free dermis-fat graft on the chest wall [letter] McLean NR, et al. **Br J Surg** 1984 Jun;71(6):479

The radiographic manifestations of pulmonary tuberculosis. Woodring JH. **J Ky Med Assoc** 1984 Jan;82(1):17–23

Atypical radiological presentations of pulmonary tuberculosis. Umerah BC, et al. **Med J Zambia** 1981 Nov–1982 Jan;16(1):7–10

[X-ray differentiation of silicosis from silicosis complicated with tuberculosis] Zhang LQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul; 17(4):228–30 (Eng. Abstr.) **(Chi)**

[Current clinical roentgenologic forms of pulmonary tuberculosis] Radenbach KL, et al. **Prax Klin Pneumol** 1983 Nov;37(11):1157–66 (Eng. Abstr.) **(Ger)**

[Case reports on the problem of atypical roentgen pictures in lung tuberculosis] Kerényi A, et al. **Z Erkr Atmungsorgane** 1984;162(2):155–62 (Eng. Abstr.) **(Ger)**

[Tuberculosis in lower lung field] Soda K, et al. **Kekkaku** 1983 Nov;58(11):579–86 (Eng. Abstr.) **(Jpn)**

[Case of lobulated tuberculoma] Okazaki N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar; 21(3):298–303 (Eng. Abstr.) **(Jpn)**

[Case of tuberculosis of the tracheobronchial lymph nodes with a shadow interpreted as a lung tumor] Mruk A. **Pediatr Pol** 1983 Nov;58(11):901–4 **(Pol)**

[Incidence of radiologic changes in the lungs and lymphogenic changes in the bronchi in children with primary tuberculosis] Rudnik J, et al. **Pediatr Pol** 1983 Nov; 58(11):879–86 (Eng. Abstr.) **(Pol)**

[Study of the anterior radiophotographic images in adult tuberculosis registers] Bercea O, et al. **Rev Ig [Pneumoftiziol]** 1983 Apr–Jun;32(2):121–32 (Eng. Abstr.) **(Rum)**

[Differential roentgendiagnosis of peripheral cancer of the lung, tuberculoma and hamartoma] Romanyshev IuA, et al. **Probl Tuberk** 1983 Dec;(12):24–8 (Eng. Abstr.) **(Rus)**

[The role of radiology in the diagnosis of tuberculosis] Farga V. **Rev Med Chil** 1983 Mar;111(3):305–8 **(Spa)**

[Radiology in tuberculosis] Sabbagh J. **Rev Med Chil** 1983 Mar;111(3):308–14 (Eng. Abstr.) **(Spa)**

REHABILITATION

[Functional recovery in pulmonary tuberculosis] Donner CF, et al. **Minerva Med** 1984 Mar 17;75(11):595–601 (Eng. Abstr.) **(Ita)**

[Introduction of various rehabilitative systems to a phthisiosurgical department] Demidov BS, et al. **Probl Tuberk** 1983 Oct;(10):13–6 (9 ref.) (Eng. Abstr.) **(Rus)**

SURGERY

The first extrapleural thoracoplasty for tuberculosis in the Americas [letter] Sommer GN Jr. **Surgery** 1984 Apr; 95(4):506

Pneumonectomy for drug resistant mycobacterium malmoense. Barclay J, et al. **Thorax** 1983 Oct;38(10):796–7

[Indication of thoracoplasty after pneumonectomy for pulmonary tuberculosis] Ding JA. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):271–3 (Eng. Abstr.) **(Chi)**

[Roentgen morphology of a plastic ball plombage] Jakab Z. **ROFO** 1984 Jul;141(1):116–7 **(Ger)**

[Analysis of reoperations after 10,000 lung resections] Pálffy G, et al. **Zentralbl Chir** 1984;109(2):72–80 (Eng. Abstr.) **(Ger)**

[Surgical management of pulmonary infection caused by M. scrofulaceum] Shimoda T, et al. **Kekkaku** 1983 Oct; 58(10):521–7 (Eng. Abstr.) **(Jpn)**

[Histological outline of surgical treatment of pulmonary tuberculosis] Teramatsu T. **Kekkaku** 1983 May;58(5):273–7 **(Jpn)**

[A case of subcapsular tumor following thoracoplasty] Yamane Y, et al. **Kyobu Geka** 1984 Mar;37(3):231–4 **(Jpn)**

[Pulmonary tuberculosis] b) Surgical aspects. Respiratory-circulatory insufficiency caused by surgical treatment for pulmonary tuberculosis] Anno H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 May; 21(5):425–30 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of pleuropulmonary tuberculosis in children] Coman C, et al. **Rev Ig [Pneumoftiziol]** 1984 Jan–Mar;33(1):53–8 (Eng. Abstr.) **(Rum)**

[Method of simultaneous recording of hemodynamic parameters after treating pulmonary tuberculosis surgically] Temnikov VIa, et al. **Anesteziol Reanimatol** 1984 Jan–Feb; (1):8–10 (Eng. Abstr.) **(Rus)**

[Cavernectomy in extended tuberculosis of the lungs] Ogirenko AP, et al. **Grudn Khir** 1983 Nov–Dec;(6):44–8 (Eng. Abstr.) **(Rus)**

[A precision technic of removing pathological structures from the lungs] Perel'man MI. **Khirurgiia (Mosk)** 1983 Nov; (11):12–4 (Eng. Abstr.) **(Rus)**

[Autohemotransfusion in the surgical treatment of tuberculosis and nonspecific lung diseases] Kariev TM, et al. **Klin Khir** 1984 Mar;(3):42–4 (Eng. Abstr.) **(Rus)**

[State of hemodynamics of tuberculosis patients at remote periods after pulmonary resection] Abdrashitova GA, et al. **Probl Tuberk** 1983 Oct;(10):48–51 (5 ref.) (Eng. Abstr.) **(Rus)**

[Current indications for surgical treatment of tuberculoma of the lungs in children and adolescents] Akhundzhanov AI, et al. **Probl Tuberk** 1984 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of neuroleptoanalgesia and electroanesthesia during phthisiosurgical procedures] Albegov EA, et al. **Probl Tuberk** 1983 Oct;(10):40–4 (6 ref.) (Eng. Abstr.) **(Rus)**

[Surgical treatment of fibro-cavernous pulmonary tuberculosis in a patient with diabetes insipidus] Bairamov VIa, et al. **Probl Tuberk** 1983 Jul;(7):69 **(Rus)**

[Drainage of caverns in the lungs before major surgery in tuberculosis patients] Bogush LK, et al. **Probl Tuberk** 1983 Jul;(7):13–7 (Eng. Abstr.) **(Rus)**

[Osteoplastic thoracoplasty in the combined treatment of patients with destructive pulmonary tuberculosis] Borovinskiĭ AI, et al. **Probl Tuberk** 1984 Jun;(6):34–8 (Eng. Abstr.) **(Rus)**

[Analysis of postresection reactivation of pulmonary tuberculosis] Borovkova RV, et al. **Probl Tuberk** 1984 Feb;

(2):69–71 (Rus)
[Resection of the lungs using lasers in tuberculosis patients] Dzhunusbekov AD, et al. **Probl Tuberk** 1984 Feb;(2):25–7 (Eng. Abstr.) (Rus)
[Immediate and remote results of pneumonectomy in various lung diseases] Giterman LA, et al. **Probl Tuberk** 1984 Feb; (2):74–5 (Rus)
[Efficacy of early surgery in pulmonary tuberculosis] Gur'ianov VN, et al. **Probl Tuberk** 1983 Oct;(10):27–32 (1 ref.) (Eng. Abstr.) (Rus)
[Methods of surgical treatment of complications of pleuropulmonary surgery] Iatsozhinskii IuD, et al. **Probl Tuberk** 1983 Oct;(10):37–40 (14 ref.) (Eng. Abstr.) (Rus)
[Results of single-stage bilateral resection of the lungs via a transsternal transmediastinal approach in tuberculosis patients] Ivanov AV. **Probl Tuberk** 1984 Feb;(2):17–22 (Eng. Abstr.) (Rus)
[Indications for surgical treatment of patients with bilateral forms of pulmonary tuberculosis] Ivanov AV. **Probl Tuberk** 1983 Oct;(10):8–13 (17 ref.) (Eng. Abstr.) (Rus)
[Efficacy of surgical treatment of pulmonary tuberculosis performed during an exacerbation of the process] Khanina NM. **Probl Tuberk** 1983 Oct;(10):32–4 (9 ref.) (Eng. Abstr.) (Rus)
[Clotting mechanism of hemorrhagic complications during surgery on the lungs of tuberculosis patients] Khudzik LB, et al. **Probl Tuberk** 1984 Feb;(2):47–51 (Eng. Abstr.) (Rus)
[Status of the hemostatic system in pulmonary tuberculosis patients during combined electroanesthesia] Kolesov SM, et al. **Probl Tuberk** 1984 Feb;(2):44–7 (Eng. Abstr.) (Rus)
[Method of the experimental closing of tuberculous caverns by diathermocoagulation] Kunichan AD. **Probl Tuberk** 1984 Jan;(1):62–5 (Eng. Abstr.) (Rus)
[Aerosol therapy in the complex preparation of patients with tuberculosis and nonspecific inflammatory diseases of the lungs for surgical treatment] Protsiuk RG. **Probl Tuberk** 1984 Feb;(2):51–5 (Eng. Abstr.) (Rus)
[Surgical treatment of patients with atypical and unfavorable infiltrative pulmonary tuberculosis] Shlain BI, et al. **Probl Tuberk** 1984 Jun;(6):38–42 (Eng. Abstr.) (Rus)
[Collapse surgery and open treatment of caverns in patients with diffuse destructive tuberculosis of the lungs] Zakharchenko PK. **Probl Tuberk** 1984 Feb;(2):22–5 (Eng. Abstr.) (Rus)
[Resection of the upper lobe and the VIth segment of the lung in tuberculosis] Kariev TM, et al. **Vestn Khir** 1984 May;132(5):66–7 (Rus)
[Autologous transfusion in lung surgery in patients with tuberculosis] Kharkevich IuP, et al. **Voen Med Zh** 1983 Sep;(9):52–3 (Rus)

THERAPY

Male breast cancer following repeated fluoroscopy. Cohen R, et al. **Am J Med** 1984 May;76(5):929–30
Efficacy of Mycobacterium bovis BCG vaccination in mice undergoing prior pulmonary infection with atypical mycobacteria. Orme IM, et al. **Infect Immun** 1984 Apr; 44(1):28–32
Immunostimulation of antitubercular chemotherapy with levamisole in active pulmonary tuberculosis. Singh AN, et al. **J Assoc Physicians India** 1983 Jul;31(7):405–7
Domiciliary treatment of tuberculosis. Jain VK. **J Indian Med Assoc** 1983 Nov;81(9–10):177–9
[Evolution of knowledge on the treatment of tuberculosis and therapy prescribed in all new cases of pulmonary tuberculosis in a French community since 1970] Liard R, et al. **Rev Epidemiol Sante Publique** 1983;31(3):299–309 (Eng. Abstr.) (Fre)
[Tuberculosis in metabolic diseases with special reference to diabetes mellitus and hepatopathies] Keller R, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:442–6 (Eng. Abstr.) (Ger)
[Treatment of tuberculosis before the introduction of chemotherapy] Sighart H. **Z Erkr Atmungsorgane** 1983; 161(1):56–60 (Eng. Abstr.) (Ger)
[Temporary prevalence of bacilliferous patients in a district tuberculosis sector] Boboc I. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec;32(4):373–4 (Rum)
[Procedures for beginning antituberculosis treatment] Tipărescu E, et al. **Rev Ig [Pneumoftiziol]** 1983 Oct–Dec; 32(4):369–72 (Eng. Abstr.) (Rum)
[Clinical course, treatment and prevention of recurrences of pulmonary tuberculosis] Tabidze ShA. **Klin Med (Mosk)** 1983 Dec;61(12):29–32 (Eng. Abstr.) (Rus)
[Resuscitative use of hemosorption in pulmonary tuberculosis patients] Burov AN, et al. **Probl Tuberk** 1984 Feb;(2):40–3 (Eng. Abstr.) (Rus)
[Ultrasonics in the combined treatment of patients with pulmonary tuberculosis] Dominchen MN. **Probl Tuberk** 1984 Jan;(1):65–70 (69 ref.) (Rus)
[Effect of ultrasonic aerosols of streptomycin and isoniazid on the bronchial tree of patients with intrathoracic tuberculosis] Gerasin VG, et al. **Probl Tuberk** 1984 Apr; (4):53–5 (Eng. Abstr.) (Rus)
[Organization of complex centralized monitoring of the quality of examination and treatment of newly diagnosed cases of destructive pulmonary tuberculosis] Greimer MS, et al. **Probl Tuberk** 1984 May;(5):18–22 (Eng. Abstr.) (Rus)
[Effect of various methods of immunotherapy on the immunological status of patients with pulmonary tuberculosis] Knoring BE, et al. **Probl Tuberk** 1984 Jan; (1):21–6 (Eng. Abstr.) (Rus)
[Differentiated periods of sanatorium–health resort treatment of adult patients with pulmonary tuberculosis] Plotnikova LM. **Probl Tuberk** 1984 Jan;(1):6–10 (Eng. Abstr.) (Rus)
[Centralized control of dispensarization and treatment of newly diagnosed patients with destructive tuberculosis of the lungs] Podolinnyi GI, et al. **Probl Tuberk** 1984 Feb; (2):5–7 (Eng. Abstr.) (Rus)
[Efficacy of the climatotherapy in patients with pulmonary tuberculosis and nonspecific diseases of the respiratory organs in Western Siberia] Romanov AI, et al. **Probl Tuberk** 1983 Sep;(9):70–2 (Rus)
[Relation between treatment effectiveness and hormone concentration in the blood of pulmonary tuberculosis patients] Tikhonov VA, et al. **Probl Tuberk** 1983 Jul; (7):23–7 (Eng. Abstr.) (Rus)
[Effectiveness of complex treatment of patients with caseous pneumonia] Ursov IG, et al. **Probl Tuberk** 1983 Jul;(7):43–6 (Eng. Abstr.) (Rus)
[Immunostimulating and tissue therapy in the combined treatment of patients with pulmonary tuberculosis] Voitova DI, et al. **Probl Tuberk** 1983 Sep;(9):46–9 (Eng. Abstr.) (Rus)
[Results of sanatorium treatment of patients with tuberculosis of the respiratory organs] Zhuk NA, et al. **Probl Tuberk** 1984 Feb;(2):7–9 (Eng. Abstr.) (Rus)
[Use of physiotherapeutic methods in treating patients with destructive pulmonary tuberculosis] Kravchenko NS. **Vrach Delo** 1984 Feb;(2):23–6 (Eng. Abstr.) (Rus)
[Immunotherapy of advanced pulmonary tuberculosis with specific transference factor] Estrada Parra S, et al. **Salud Publica Mex** 1983 Nov–Dec;25(6):579–90 (Eng. Abstr.) (Spa)

TRANSMISSION

Contact investigation of tuberculosis in schools. Grantland R. **Ala Med** 1984 Jul;54(1):20, 22
Mycobacterium tuberculosis humanis causing zoonotic tuberculosis among cattle. Krishnaswami KV, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):60–3
Pulmonary tuberculosis among contacts of patients with tuberculosis in an urban Indian population. Kumar RA, et al. **J Epidemiol Community Health** 1984 Sep;38(3):253–8
For how long are patients being treated for pulmonary tuberculosis infectious? **J Infect** 1984 May;8(3):191–4
[Recurrence of tuberculosis in middle-aged and elderly persons and their epidemiological hazard] Kalankhodzhaev AA, et al. **Probl Tuberk** 1983 Dec;(12):7–10 (Eng. Abstr.) (Rus)
[Clinico-epidemiologic features of pulmonary tuberculosis caused by Mycobacterium bovis] Kovalev GK, et al. **Voen Med Zh** 1984 Mar;(3):74 (Rus)

VETERINARY

Pulmonary Mycobacterium fortuitum infection in a dog. Jang SS, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):96–8
Pulmonary mycobacterium tuberculosis infection in a circus elephant. Saunders G. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1311–2
[Histologic and electron microscopy studies of the adrenal cortex in cows with pulmonary tuberculosis] Jover A, et al. **DTW** 1983 Nov 7;90(11):486–90 (Eng. Abstr.) (Ger)
[Tuberculosis in animals] Guarda F. **Minerva Med** 1984 Mar 17;75(11):551–4 (Eng. Abstr.) (Ita)

TUBERCULOSIS, RENAL

BLOOD

Renal tuberculosis and hypertension: value of the renal vein renin ratio. Ocón J, et al. **Eur Urol** 1984;10(2):114–20

COMPLICATIONS

Tuberculosis in children with nephrotic syndrome. Vaishnava S, et al. **Indian Pediatr** 1983 Jul;20(7):499–502
[Blood leukocyte functional activity in children with interstitial nephritis due to a tuberculous infection] Bozhenov IuA, et al. **Pediatriia** 1984 Jun;(6):32–5 (Eng. Abstr.) (Rus)
[Hypertension and renal tuberculosis] Solís WA. **Actas Urol Esp** 1984 Mar–Apr;8(2):141–4 (Eng. Abstr.) (Spa)

DIAGNOSIS

Central nervous system and genitourinary blastomycosis: confusion with tuberculosis. Morse HG, et al. **West J Med** 1983 Jul;139(1):99–103
[Renal tuberculosis with reference to therapy, immunology, ultrasound diagnosis and hemodialysis treatment] Strauss I. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:470–2 (Eng. Abstr.) (Ger)
[Paraspecific manifestations of tuberculosis simulating systemic connective tissue diseases] Chumakova LP, et al. **Klin Med (Mosk)** 1983 Dec;61(12):36–40 (Eng. Abstr.) (Rus)
[Ultrasonic diagnosis of tuberculosis of the kidneys] Kargin AM. **Sov Med** 1984;(1):51–5 (Eng. Abstr.) (Rus)
[The tuberculin test in the diagnosis of renal tuberculosis] Shabad AL, et al. **Sov Med** 1983;(12):104–6 (Rus)

DRUG THERAPY

[Efficacy of different methods of treating experimental cavernous tuberculosis of a single kidney] Mazaev MB. **Probl Tuberk** 1984 Feb;(2):67–9 (Eng. Abstr.) (Rus)

OCCURRENCE

[Tuberculosis in dialysis patients. 10. Epidemiology of kidney and urinary tract tuberculosis] Inamoto H. **Kekkaku** 1983 May;58(5):287–91 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

[Characteristics of circulatory changes in nephrotuberculosis complicated by chronic kidney failure] Ivanova TN. **Probl Tuberk** 1984 Mar;(3):43–6 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Computer tomography aspects in the diagnosis of tuberculosis in the area of the abdomen and urogenital tract] Becker W, et al. **Computertomographie** 1983 Dec; 3(4):142–5 (Eng. Abstr.) (Ger)

SURGERY

Pathogenesis and treatment of hypertension in renal tuberculosis. Studer UE, et al. **Eur Urol** 1984;10(3):164–9
[Results of surgical treatment of tuberculosis and post-tubercular ureteral stenosis] Mochalova TP, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):30–7 (Eng. Abstr.) (Rus)
[Surgical treatment of renal tuberculosis] Pytel' IuA, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):28–30 (Eng. Abstr.) (Rus)

THERAPY

[Improvements in the organization of sanatorium treatment of nephrotuberculosis and associated diseases] Ivanova TN. **Probl Tuberk** 1983 Oct;(10):19–23 (4 ref.) (Eng. Abstr.) (Rus)

TUBERCULOSIS SOCIETIES see under **VOLUNTARY HEALTH AGENCIES**

TUBERCULOSIS, SPINAL

COMPLICATIONS

Acquired aortic coarctation due to posttuberculotic gibbous formation. Reidemeister JC, et al. **Thorac Cardiovasc Surg** 1984 Feb;32(1):54–6
[Sciatic neuralgias caused by tubercular spondylodiscitis] Sakho Y, et al. **Dakar Med** 1983;28(4):663–71 (Fre)
[Kyphosis caused by severe spondylodiscitis in newborn infants and young children] Mallet JF, et al. **Rev Chir Orthop** 1984;70(1):63–73 (Eng. Abstr.) (Fre)
[Role of medical treatment in spinal cord compression of tuberculous origin. Apropos of 7 cases] Augereau B, et al. **Sem Hop Paris** 1983 Sep 29;59(34):2381–7 (Eng. Abstr.) (Fre)
[Cardiac lesions in generalized hematogenic tuberculosis] Anichkov NM, et al. **Arkh Patol** 1984;46(5):74–6 (Eng. Abstr.) (Rus)

DIAGNOSIS

Histiocytosis X. VIII. Histiocytosis X simulating tuberculosis. Thommesen P, et al. **Acta Radiol [Oncol]** 1983;22(4):295–7
Viable term pregnancy with active syphilis, pelvic tuberculosis, and Pott's disease: report of case. Shaw CT, et al. **J Am Osteopath Assoc** 1983 Nov;83(3):222–4
Tuberculosis of the lower cervical spine (C2 to C7). A report on 40 cases. Hsu LC, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):1–5

DRUG THERAPY

Spinal tuberculosis: remember streptomycin [letter] Porter KM. **Lancet** 1983 Oct 29;2(8357):1024

ETIOLOGY

[Mycobacterial infection at the transverse process of the 2d lumbar vertebra caused by Mycobacterium fortuitum] Vincurova M, et al. **Z Orthop** 1984 May–Jun;122(3):278–80 (Eng. Abstr.) (Ger)

OCCURRENCE

Skeletal tuberculosis in the Lothian Region of Scotland. A 10-year survey. Hutchins PM. **J R Coll Surg Edinb** 1984 May;29(3):167–71

RADIOGRAPHY

Atypical spinal tuberculosis. Babhulkar SS, et al. **J Bone Joint Surg [Br]** 1984 Mar;66(2):239–42
Role of computed tomography in the diagnosis of infectious spondylitis. Hermann G, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):961–8
[Tuberculosis of the cervical spine. Radiological study apropos of a multicenter series of 53 cases] Morvan G, et al. **Rev Chir Orthop** 1984;70 Suppl 2:76–80 (Fre)
[Centrosomatic tuberculous vertebral osteitis. General review

apropos of 4 cases] David-Chaussé J, et al. **Rev Rhum Mal Osteoartic** 1984 Mar;51(3):123-9 (Eng. Abstr.) **(Fre)**

[Tuberculous osteitis of the atlas. Apropos of a case] Magnet JL, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):273-5 **(Fre)**

THERAPY

[Experience in the treatment of spinal tuberculosis with combined traditional Chinese and western medicine--clinical analysis of 131 cases] Yu CD. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jan;4(1):39-42 (Eng. Abstr.) **(Chi)**

TUBERCULOSIS, SPLENIC

Case report: tuberculous abscess of the spleen. Farrer WE, et al. **J Med Soc NJ** 1984 Apr;81(4):317-9

COMPLICATIONS

[Acute tuberculous sepsis] Audulev VK. **Vrach Delo** 1984 Jun;(6):69-71 **(Rus)**

DIAGNOSIS

[A 20-year-old woman with persistent fever and sonographically demonstrated foci in the spleen (clinical conference)] Lechner K, et al. **Wien Klin Wochenschr** 1984 Jul 6;96(14):552-8 **(Ger)**

[A case of tuberculoma of the liver and spleen] Sumino Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Feb;81(2):267-71 **(Jpn)**

ETIOLOGY

Fate of Mycobacterium tuberculosis & M. scrofulaceum in guinea pigs after intracisternal inoculation. Shriniwas, et al. **Indian J Med Res** 1983 Dec;78:751-5

TUBERCULOSIS, UROGENITAL

[Urinary tuberculosis today] Sesia G, et al. **Minerva Med** 1984 Mar 17;75(11):617-22 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Tuberculosis and sterile pyuria [letter] Ribeiro CD, et al. **J Clin Pathol** 1984 Mar;37(3):355

Urethral fistulae of tuberculous origin. Palaniswamy R, et al. **Singapore Med J** 1984 Feb;25(1):54-6

[Correction of homeostasis in phthisiourologic patients with chronic renal failure in the postoperative period] Nevenglovskiĭ IE, et al. **Sov Med** 1984;(3):113-6 **(Rus)**

DIAGNOSIS

[Tuberculosis of the urogenital tract--guidelines for evaluation within the social compensation law and laws for the disabled] Rösner N, et al. **Urologe [Ausg A]** 1984 Jul;23(4):204-9 (Eng. Abstr.) **(Ger)**

[Diagnostic efficacy of a new modification of passive hemolysis in tuberculosis] Nezdatnyĭ MM, et al. **Probl Tuberk** 1983 Sep;(9):26-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Principles of drug therapy in urogenital tuberculosis] Jungbluth H. **Urologe [Ausg A]** 1984 Jul;23(4):189-93 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Tuberculous otitis media and mastoiditis in 2 children] Achmüller M, et al. **Padiatr Padol** 1984;19(2):177-83 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Genitourinary tuberculosis at Kenyatta National Hospital 1973-1980. Otieno LS. **East Afr Med J** 1983 Apr;60(4):232-7

Notification and epidemiology of genito-urinary tuberculosis in Glasgow 1970 to 1979. Ferrie BG, et al. **Health Bull (Edinb)** 1984 Mar;42(2):97-100

[Urogenital tuberculosis. Study of 62 cases in the Kinshasa University Hospital] Tshipeta N, et al. **Acta Urol Belg** 1983;51(3):261-9 (Eng. Abstr.) **(Fre)**

[A clinical observation on urogenital tuberculosis] Fuse H, et al. **Hinyokika Kiyo** 1984 Mar;30(3):299-304 (Eng. Abstr.) **(Jpn)**

[Tuberculosis in dialysis patients. 11. Characteristics of kidney and urinary tract tuberculosis] Inamoto H. **Kekkaku** 1983 Nov;58(11):565-9 (Eng. Abstr.) **(Jpn)**

[Tuberculosis in dialysis patients. 10. Epidemiology of kidney and urinary tract tuberculosis] Inamoto H. **Kekkaku** 1983 May;58(5):287-91 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Cytologic detection of tuberculosis of the urinary bladder [letter] Kapila K, et al. **Acta Cytol (Baltimore)** 1984 Jan-Feb;28(1):90-1

SURGERY

Ureterocystoneostomy in urinary tuberculosis: a personal technique. Fagioli A, et al. **Ital J Surg Sci** 1984;14(1):65-9

The treatment of urinary tuberculosis. Wong SH, et al. **J Urol** 1984 Feb;131(2):297-301

[Surgical therapy of urogenital tuberculosis] Zwergel T, et al. **Urologe [Ausg A]** 1984 Jul;23(4):194-200 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS VACCINES see **BCG VACCINE**

TUBERCULOSTATIC AGENTS see **ANTITUBERCULAR AGENTS**

TUBEROUS SCLEROSIS

Tuberous sclerosis: a review for the neurosurgeon. Nagib MG, et al. **Neurosurgery** 1984 Jan;14(1):93-8 (74 ref.)

[Tuberous sclerosis: a multidisciplinary study of 15 cases] Yacubian EM, et al. **Arq Neuropiquiatr** 1983 Jun;41(2):163-70 (Eng. Abstr.) **(Por)**

BLOOD

Tuberous sclerosis: proline and hydroxyproline contents in serum. Tanaka H, et al. **Brain Dev** 1983;5(5):450-6

COMPLICATIONS

Tuberous sclerosis with intracranial aneurysm. Beall S, et al. **Arch Neurol** 1983 Dec;40(13):826-7

Tuberous sclerosis: unusual associations in four cases. Ilgren EB, et al. **J Clin Pathol** 1984 Mar;37(3):272-8

A case of tuberous sclerosis with subcutaneous nodules. Shishiba T, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):391-4

Tuberous sclerosis and angiomyolipomas of the kidneys: a case report. Segasothy M, et al. **Med J Malaysia** 1983 Jun;38(2):94-7

Tuberous sclerosis and angiomyolipomatous kidney conditions. Marsidi PJ, et al. **Ohio State Med J** 1983 Jun;79(6):449, 451, 453

Coarctation of the aorta and renal artery stenosis in tuberous sclerosis. Flynn PM, et al. **Pediatr Radiol** 1984;14(5):337-9

[Subependymal giant-cell astrocytoma complicated by tuberous sclerosis--a case report] Dong HJ. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):151-2 (Eng. Abstr.) **(Chi)**

[Bourneville's tuberous sclerosis and monomelic gigantism] Prigent F, et al. **Ann Dermatol Venereol** 1983;110(9):755-6 **(Fre)**

[Computer tomography in the early diagnosis of tuberous sclerosis associated with the West syndrome] Cotroneo E, et al. **Riv Neurobiol** 1982 Jul-Dec;28(3-4):439-46 (Eng. Abstr.) **(Ita)**

[A case of renal cell carcinoma in tuberous sclerosis followed by basic fetoprotein--a new carcinoembryonic protein] Takeuchi S, et al. **Hinyokika Kiyo** 1984 May;30(5):671-8 (Eng. Abstr.) **(Jpn)**

[Clinical study of tuberous sclerosis with epilepsy] Nakazawa M, et al. **No To Hattatsu** 1983 Sep;15(5):396-401 (Eng. Abstr.) **(Jpn)**

[Abortive form of Bourneville-Pringle syndrome in long-term follow-up] Klepacki R. **Klin Oczna** 1983 Nov-Dec;85(11-12):433-4 (Eng. Abstr.) **(Pol)**

[Malignant glioma in tuberous sclerosis] Majchrzak H, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):415-7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Renal involvement in tuberous sclerosis. Avni EF, et al. **Ann Radiol (Paris)** 1984 Feb-Mar;27(2-3):207-14 **(Eng, Fre)**

Early diagnosis, genetic marker sought for tuberous sclerosis [news] Simmons K. **JAMA** 1984 Jun 15;251(23):3061-3

Diagnosis of tuberous sclerosis [letter] Steffen C. **JAMA** 1983 Oct 21;250(15):1977-8

[Brain sonographic findings in tuberous brain sclerosis. A comparison with roentgenologic images and pathologic-anatomic findings] Franek A, et al. **Monatsschr Kinderheilkd** 1984 Jul;132(7):534-8 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Connatal brain tumors in patients with tuberous sclerosis. Painter MJ, et al. **Neurosurgery** 1984 May;14(5):570-3

[Clinical and genetic study of tuberous sclerosis in a pediatric hospital] del Castillo V, et al. **Rev Invest Clin** 1983 Apr-Jun;35(2):135-9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Epidemiology and genetics of neurocutaneous syndrome, with special reference to Recklinghausen neurofibromatosis and tuberous sclerosis] Ohno K. **No To Shinkei** 1984 Jan;36(1):17-25 (74 ref.) **(Jpn)**

PATHOLOGY

Tuberous sclerosis with pulmonary involvement. Liberman BA, et al. **Can Med Assoc J** 1984 Feb 1;130(3):287-9

Tuberous sclerosis: a Golgi study of cortical tuber. Ferrer I, et al. **Clin Neuropathol** 1984 Mar-Apr;3(2):47-51

Abnormal dendritic patterns and aberrant spine development in Bourneville's disease--a Golgi survey. Machado-Salas JP. **Clin Neuropathol** 1984 Mar-Apr;3(2):52-8

Abnormal DNA histograms of stroma cells in patients with tuberous sclerosis. A cytofluorometric study. Ishibashi Y, et al. **J Dermatol (Tokyo)** 1984 Feb;11(1):1-6

Vitreous seeding by retinal astrocytic hamartoma in a patient with tuberous sclerosis. de Juan E Jr, et al. **Retina** 1984 Spring-Summer;4(2):100-2

Tuberous sclerosis and associated pleuropulmonary lesions. Mestres CA, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):243-6

[Tuberous sclerosis with hamartoma in the kidneys, lymph glands and lungs] Thranov I, et al. **Ugeskr Laeger** 1983 Nov 7;145(45):3494-5 (Eng. Abstr.) **(Dan)**

[Supplementary notes on the peculiar features of non-epithelial cells disease. (V). Disturbed mitotic processes of the cells] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Sep;93(10):1045-58 **(Jpn)**

[Autopsy case of tuberous sclerosis accompanied by renal failure and systemic angiomyolipoma] Imai H, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):778-83 **(Jpn)**

RADIOGRAPHY

Intraventricular brain tumors associated with tuberous sclerosis: clinical and radiographic characteristics. Khangure MS. **Australas Radiol** 1983 Jul;27(2):115-8

CT diagnosis of phakomatosis. Salvolini U, et al. **J Neuroradiol** 1984;11(1):29-45 **(Eng, Fre)**

Cranial computed tomography in the phakomatoses. Gardeur D, et al. **Neuroradiology** 1983;25(4):293-304

Thoracic manifestations of neurocutaneous diseases. Aughenbaugh GL. **Radiol Clin North Am** 1984 Sep;22(3):741-56 (77 ref.)

Atypical findings on computed tomography in tuberous sclerosis. Case reports. Glass RB, et al. **S Afr Med J** 1984 Jul 28;66(4):145-6

[Generalized angiomyolipomatosis within the framework of Bournville-Pringle disease--urological aspects] Ecke M, et al. **Z Urol Nephrol** 1984 May;77(5):285-93 (Eng. Abstr.) **(Ger)**

[Report of a case of Bourneville's tuberous sclerosis documented by computerized axial tomography] Bassi P, et al. **Riv Neurobiol** 1982 Jul-Dec;28(3-4):334-8 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Hypometabolic cortical lesions in tuberous sclerosis with epilepsy: demonstration by positron emission tomography. Szelies B, et al. **J Comput Assist Tomogr** 1983 Dec;7(6):946-53

SURGERY

[Surgery in the phakomatoses] Giuffrè R. **Riv Neurobiol** 1982 Jul-Dec;28(3-4):392-411 (102 ref.) (Eng. Abstr.) **(Ita)**

TUBOCURARINE

Comparison of vecuronium, atracurium and tubocurarine in normal patients and in patients with no renal function. Hunter JM, et al. **Br J Anaesth** 1984 Sep;56(9):941-51

The incidence of EEG abnormalities and outcome of infants paralyzed with neuromuscular blocking agents. Tharp BR, et al. **Crit Care Med** 1983 Dec;11(12):926-9

[Interaction of acetylcholine and tubocurarine with protein molecules of the actin complex and phosphatidylcholine] Egiazarova AR, et al. **Biofizika** 1983 Jul-Aug;28(4):625-8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Hemodynamic effects of pancuronium and pancuronium plus metocurine in patients taking propranolol. McDonald DH, et al. **Anesthesiology** 1984 Apr;60(4):359-61

Potentiation of neuromuscular blockade using a combination of pancuronium and dimethyltubocurarine. Studies in children following acute burn injury or during reconstructive surgery. Satwicz PR, et al. **Br J Anaesth** 1984 May;56(5):479-84

Determination of D-tubocurarine chloride or metocurine iodide in human plasma by high-performance liquid chromatography with ultraviolet detection. Avram MJ, et al. **J Chromatogr** 1984 Mar 9;306:398-404

[Pharmacokinetics and disposition of 3H-dimethyl-dl-curine dimethochloride in rats and mice] Wang YE, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Dec;4(4):238-42 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

[Antagonistic effects of neostigmine, 4-aminopyridine and 3,4-diaminopyridine on muscle relaxing effects of d-tubocurarine] Fukushima K, et al. **Masui** 1983 Oct;32(10):1236-40 (Eng. Abstr.) **(Jpn)**

BLOOD

Determination of D-tubocurarine chloride or metocurine iodide in human plasma by high-performance liquid chromatography with ultraviolet detection. Avram MJ, et al. **J Chromatogr** 1984 Mar 9;306:398-404

METABOLISM

Distribution, elimination, and action of d-tubocurarine in neonates, infants, children, and adults. Matteo RS, et al.

Anesth Analg 1984 Sep;63(9):799–804
Altered d-tubocurarine disposition during cardiopulmonary bypass surgery. Walker JS, et al. **Clin Pharmacol Ther** 1984 May;35(5):686–94

PHARMACODYNAMICS

Five non-depolarizing muscle relaxants in precurarization. Erkola O, et al. **Acta Anaesthesiol Scand** 1983 Dec; 27(6):427–32
Effect of tubocurarine and decamethonium on voluntary muscle contractions in man. Secher NH, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):480–3
Curare and the efferent vestibular system. An electrophysiological study in the frog. Caston J, et al. **Acta Otolaryngol (Stockh)** 1984 Jan–Feb;97(1–2):19–26
Local mechanisms in vestibular receptor control. Effects of curare on the EPSPs and spike discharge recorded from single afferent fibres of the posterior canal nerve of the frog. Valli P, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):611–8
Effect of tubocurarine on static and dynamic muscle contractions in man. Secher NH, et al. **Acta Physiol Scand** 1984 Feb;120(2):251–5
Time course of muscle relaxation with a combination of pancuronium and tubocurarine. Mirakhur RK, et al. **Anesth Analg** 1984 Apr;63(4):437–40
Interactions between tubocurarine, pancuronium and alcuronium demonstrated in the rat phrenic nerve–hemidiaphragm preparation. Pollard BJ, et al. **Br J Anaesth** 1983 Nov;55(11):1127–31
Prejunctional and postjunctional effects of tubocurarine and pancuronium in man. Stanec A, et al. **Br J Anaesth** 1984 Jun;56(6):607–11
The interaction between hexamethonium and tubocurarine on the rat neuromuscular junction. Rang HP, et al. **Br J Pharmacol** 1984 Mar;81(3):519–31
(+)-Tubocurarine blocks the Ca2+-dependent K+-channel of the bullfrog sympathetic ganglion cell. Nohmi M, et al. **Brain Res** 1984 May 28;301(1):146–8
The innervation of skeletal muscles in chickens curarized during early development. Ding R, et al. **J Neurocytol** 1983 Dec;12(6):887–919
Pre-and post-junctional effects of tubocurarine and other nicotinic antagonists during repetitive stimulation in the rat. Gibb AJ, et al. **J Physiol (Lond)** 1984 Jun;351:275–97
A patch-clamp study of the partial agonist actions of tubocurarine on rat myotubes. Takeda K, et al. **J Physiol (Lond)** 1984 Apr;349:353–74
Online control of d-tubocurarine induced muscle relaxation: a simulation study. Rametti LB, et al. **Med Biol Eng Comput** 1983 Nov;21(6):710–7
Tubocurarine has no clear effect on the metabolism of exogenous arachidonic acid in hamster isolated lungs. Suves M, et al. **Res Commun Chem Pathol Pharmacol** 1983 Nov; 42(2):255–60
[Mechanism of histamine release following dTc administration in humans] Fukushima K, et al. **Masui** 1983 May;32(5):565–70 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The inhibitory effect of intravenous d-tubocurarine and oral dantrolene on halothane–succinylcholine–induced myoglobinemia in children. Asari H, et al. **Anesthesiology** 1984 Sep;61(3):332–3

TOXICITY

[Comparative study of the effect of verapamil and tubocurarine on acetylcholinesterase of skeletal muscle sarcolemma] Diadiusha GP, et al. **Ukr Biokhim Zh** 1983 Sep–Oct;55(5):513–6 (Eng. Abstr.) **(Rus)**

TUBULIN

Developmental and comparative aspects of brine shrimp tubulin. Macrae TH, et al. **Biochem J** 1984 Apr 1; 219(1):137–48
Inhibition in vitro of the polymerization of tubulin by uremic middle molecules: corrective effect of isaxonine. Braguer D, et al. **Clin Nephrol** 1983 Sep;20(3):149–54
Vinblastine paracrystals from cultured cells are calcium-stable. Manfredi JJ, et al. **Exp Cell Res** 1984 Jan; 150(1):205–12
Tubulin hooks as probes for microtubule polarity: an analysis of the method and an evaluation of data on microtubule polarity in the mitotic spindle. McIntosh JR, et al. **J Cell Biol** 1984 Feb;98(2):525–33
Three-dimensional reconstruction of tubulin in zinc-induced sheets. II. Consequences of removal of microtubule associated proteins. Ceska TA, et al. **J Mol Biol** 1984 May 25;175(3):349–70
Possible treadmilling in zinc(II)-induced sheet polymers of bovine brain microtubule protein. Lee VD, et al. **J Mol Biol** 1983 Dec 25;171(4):457–77
Assembly and three-dimensional image reconstruction of tubulin hoops. Mandelkow E, et al. **J Mol Biol** 1984 Aug 15;177(3):507–29
Three-dimensional reconstruction of tubulin sheets and re-investigation of microtubule surface lattice. Schultheiss R, et al. **J Mol Biol** 1983 Oct 25;170(2):471–96
Reconstructions of tubulin protofilaments: different appearances of the same structure. Mandelkow E, et al. **Ultramicroscopy** 1984;13(1–2):125–36

ANALOGS & DERIVATIVES

A rat monoclonal antibody reacting specifically with the tyrosylated form of alpha-tubulin. I. Biochemical characterization, effects on microtubule polymerization in vitro, and microtubule polymerization and organization in vivo. Wehland J, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1467–75
A rat monoclonal antibody reacting specifically with the tyrosylated form of alpha-tubulin. II. Effects on cell movement, organization of microtubules, and intermediate filaments, and arrangement of Golgi elements. Wehland J, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1476–90

ANALYSIS

Quantitative determination, isolation and characterization of pig lung tubulin. Díez J, et al. **Biochem J** 1984 Apr 1; 219(1):277–85
Ultrastructural localization of tubulin and actin in polyethylene glycol–embedded rat seminiferous epithelium by immunogold staining. Wolosewick JJ, et al. **Biol Cell** 1983;49(3):219–26
Solubility properties of neuronal tubulin: evidence for labile and stable microtubules. Black MM, et al. **Brain Res** 1984 Mar 19;295(2):255–63
The biochemistry of microtubules. A review. McKeithan TW, et al. **Cell Muscle Motil** 1984;5:255–88 (280 ref.)
Amino acid sequence requirements in the epitope recognized by the alpha-tubulin-specific rat monoclonal antibody YL 1/2. Wehland J, et al. **EMBO J** 1984 Jun;3(6):1295–300
Identification and characterization of axopodial tubulins from Echinosphaerium nucleofilum. Little M, et al. **Eur J Cell Biol** 1983 Jul;31(1):55–61
Identification of tubulin isoforms in the plasmodium of Physarum polycephalum by in vitro microtubule assembly. Roobol A, et al. **Eur J Cell Biol** 1984 Jan;33(1):24–8
Immunological quantitation and localization of tubulin in adult rat heart isolated myocytes. Samuel JL, et al. **Eur J Cell Biol** 1983 Jul;31(1):99–106
Localization of tubulin structures in the course of amphibian germinal vesicle maturation. Paleček J, et al. **Histochem J** 1984 Apr;16(4):357–9
Visualization of dimethyl sulphoxide-stabilized tubulin containing structures by fluorescence staining with monoclonal anti-tubulin antibodies. Paleček J, et al. **Histochem J** 1984 Apr;16(4):354–6
Localization of tubulin and microtubules of in vivo fertilized rabbit oocytes. Stambaugh RL, et al. **J Androl** 1984 Jul–Aug;5(4):259–64
Tubulin as a molecular component of coated vesicles. Kelly WG, et al. **J Cell Biol** 1983 Oct;97(4):1191–9
A reevaluation of the structure of purified tubulin in solution: evidence for the prevalence of oligomers over dimers at room temperature. Kravit NG, et al. **J Cell Biol** 1984 Jul; 99(1 Pt 1):188–98
Monomer–polymer equilibria in the axon: direct measurement of tubulin and actin as polymer and monomer in axoplasm. Morris JR, et al. **J Cell Biol** 1984 Jun;98(6):2064–76
Identification of tubulin in Dictyostelium discoideum: characterization of some unique properties. White E, et al. **J Cell Biol** 1983 Oct;97(4):1011–9
Immunocytochemical localization of cytoskeletal proteins and histone 2B in isolated membrane-depleted nuclei, metaphase chromatin, and whole Chinese hamster ovary cells. Armbruster BL, et al. **J Histochem Cytochem** 1983 Dec;31(12):1385–93
Dehydration and embedding temperatures affect the antigenic specificity of tubulin and immunolabeling by the protein A–colloidal gold technique. Armbruster BL, et al. **J Histochem Cytochem** 1983 Dec;31(12):1380–4
Macrophage microtubules: an optimized method for the assay of tubulin concentration and state of polymerization in macrophages. Seger M, et al. **J Leukocyte Biol** 1984 Mar; 35(3):303–16
Characterization of tubulin in mouse brain myelin. de Néchaud B, et al. **J Neurochem** 1983 Dec;41(6):1538–44
Differential subcellular localization of tubulin and the microtubule-associated protein MAP2 in brain tissue as revealed by immunocytochemistry with monoclonal hybridoma antibodies. Caceres A, et al. **J Neurosci** 1984 Feb;4(2):394–410
Vinblastine-induced crystals in Toxoplasma. Porchet E. **J Parasitol** 1984 Feb;70(1):158–60
Tubulin heterogeneity in the trypanosome Crithidia fasciculata. Russell DG, et al. **Mol Cell Biol** 1984 Apr; 4(4):779–90
Subcellular localization of tubulin in chick retina. López-Colomé AM, et al. **Neurochem Res** 1983 Sep; 8(9):1153–62
The tubulins of animals, plants, fungi and protists implications for metazoan evolution. Little M, et al. **Orig Life** 1984 Mar; 13(3–4):169–76
[Microheterogeneity of tubulin in the central nervous system of the quail (Coturnix coturnix japonica)] Wolff A, et al. **C R Seances Acad Sci [III]** 1984;299(5):101–5 (Eng. Abstr.) **(Fre)**
[Immunohistochemical study of ischemic neuronal damage with antiserum to tubulin, a microtubular protein] Yoshimine T, et al. **No To Shinkei** 1984 Jun;36(6):543–51 (Eng. Abstr.) **(Jpn)**
[Agents affecting cytoskeletal proteins] Natori S, et al. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):789–800 (87 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of tubulin polymerization with ribose-modified analogs of GDP and GTP. Reduced inhibition with microtubule-associated proteins and magnesium. Hamel E, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):117–27
Cystamine augments the stimulation of DNA synthesis by peptide growth factors and microtubule-disrupting agents in cultures of 3T3 mouse fibroblasts. Fong S, et al. **J Cell Physiol** 1984 Sep;120(3):303–8
Effects of prolonged antitubulin culture on the ultrastructure of anterior limb bud cells of the chick embryo. Kessel RG, et al. **J Morphol** 1984 Mar;179(3):263–71
Effects of prolonged antitubulin culture on annulate lamellae in mouse alpha L929 fibroblasts. Kessel RG, et al. **J Morphol** 1984 Mar;179(3):291–304

BIOSYNTHESIS

Stimulation of tubulin synthesis by thyroid hormone in the developing rat brain. Chaudhury S, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):93–8
Modulation of tubulin synthesis by tri-iodothyronine in the embryonic chick brain. Chaudhury S, et al. **Brain Res** 1983 Sep;285(3):291–5
The differential expression of the actins and tubulins during spermatogenesis in the mouse. Hecht NB, et al. **Exp Cell Res** 1984 Jul;153(1):275–80
Macromolecular syntheses during the quick-change act of Naegleria. Fulton C. **J Protozool** 1983 May;30(2):192–8 (34 ref.)

BLOOD

Affinity labeling of the exchangeable nucleotide binding site in platelet tubulin. Steiner M. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):92–9

GENETICS

Gangliosides stimulate neurite outgrowth and induce tubulin mRNA accumulation in neural cells. Rybak S, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):974–80
Developmental rearrangements associated with a single type of expressed alpha-tubulin gene in Tetrahymena. Callahan RC, et al. **Cell** 1984 Feb;36(2):441–5
The tubulins: from DNA to RNA to protein and back again. Cleveland DW. **Cell** 1983 Sep;34(2):330–2 (0 ref.)
Isolation of the beta-tubulin gene from yeast and demonstration of its essential function in vivo. Neff NF, et al. **Cell** 1983 May;33(1):211–9
Identification of the pleiotropic cell division cycle gene NDA2 as one of two different alpha-tubulin genes in Schizosaccharomyces pombe. Toda T, et al. **Cell** 1984 May; 37(1):233–42
Abundance of tubulin mRNA on polysomes following deciliation and during the synchronous cell cycle of Tetrahymena. Bird RC, et al. **Cell Tissue Kinet** 1984 Sep; 17(5):535–44
Expression of mRNA for microtubule proteins in the developing nervous system. Ginzburg I, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:783–90
Regulation of Drosophila alpha- and beta-tubulin genes during development. Natzle JE, et al. **Dev Biol** 1984 Jul; 104(1):187–98
Modulation of tubulin mRNA levels by interferon in human lymphoblastoid cells. Fellous A, et al. **EMBO J** 1982; 1(7):835–9
Regulation of mRNA levels for microtubule proteins during nerve regeneration. Neumann D, et al. **FEBS Lett** 1983 Oct 17;162(2):270–6
Control of tubulin and actin gene expression in Tetrahymena pyriformis during the cell cycle. Zimmerman AM, et al. **FEBS Lett** 1983 Dec 12;164(2):318–21
Genetic analysis of B2t, the structural gene for a testis-specific beta-tubulin subunit in Drosophila melanogaster. Kemphues KJ, et al. **Genetics** 1983 Oct; 105(2):345–56
Tubulin isotypes and the multigene tubulin families. Cowan NJ, et al. **Int Rev Cytol** 1983;85:147–73
Cell type-dependent expression of tubulins in Physarum. Burland TG, et al. **J Cell Biol** 1983 Dec;97(6):1852–9
Effects of mitotic and tubulin mutations on microtubule architecture in actively growing protoplasts of Aspergillus nidulans. Gambino J, et al. **J Cell Biol** 1984 Sep;99(3):830–8
Transcription of alpha- and beta-tubulin genes in vitro in isolated Chlamydomonas reinhardi nuclei. Keller LR, et al. **J Cell Biol** 1984 Mar;98(3):1138–43
Genetics of microtubule systems. Raff EC. **J Cell Biol** 1984 Jul;99(1 Pt 1):1–10 (106 ref.)
Cell cycle regulation of tubulin RNA level, tubulin protein synthesis, and assembly of microtubules in Physarum. Schedl T, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):155–65
Evolution of alpha q- and beta-tubulin genes as inferred by the nucleotide sequences of sea urchin cDNA clones. Alexandraki D, et al. **J Mol Evol** 1983;19(6):397–410
Isolation and characterization of an alpha-tubulin gene from Leishmania enriettii. Wirth DF, et al. **Mol Biochem Parasitol** 1983 Sep;9(1):83–92
Regulation of tubulin and actin mRNA production in rat

brain: expression of a new beta-tubulin mRNA with development. Bond JF, et al. **Mol Cell Biol** 1983 Aug; 3(8):1333–42

Repeated consensus sequence and pseudopromoters in the four coordinately regulated tubulin genes of Chlamydomonas reinhardi. Brunke KJ, et al. **Mol Cell Biol** 1984 Jun;4(6):1115–24

Expression of human alpha-tubulin genes: interspecies conservation of 3' untranslated regions. Cowan NJ, et al. **Mol Cell Biol** 1983 Oct;3(10):1738–45

Flagellar regeneration of the trypanosome Crithidia fasciculata involves post-translational modification of cytoplasmic alpha tubulin. Russell DG, et al. **Mol Cell Biol** 1984 Jun;4(6):1182–5

Control of tubulin gene expression in the parasitic protozoan Leishmania enriettii. Landfear SM, et al. **Nature** 1984 Jun 21–27;309(5970):716–7

Sequence of an expressed human beta-tubulin gene containing ten Alu family members. Lee MG, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5823–36

Tubulin evolution: an electrophoretic and immunological analysis. Adoutte A, et al. **Orig Life** 1984 Mar; 13(3–4):177–82

Haploid expression of a mouse testis alpha-tubulin gene. Distel RJ, et al. **Science** 1984 Apr 6;224(4644):68–70

IMMUNOLOGY

Differential labelling of trypanosome microtubules using tubulin subunit monoclonal antibodies. Cumming R, et al. **Cell Biol Int Rep** 1984 Jan;8(1):2

Organization of microtubules in stabilized meristematic plant cells revealed by a rat monoclonal antibody reacting only with the tyrosinated form of alpha-tubulin. Wehland J, et al. **Cell Biol Int Rep** 1984 Feb;8(2):147–50

A subpopulation of trypanosome microtubules recognized by a monoclonal antibody to tubulin. Gallo JM, et al. **EMBO J** 1983;2(4):479–83

Axonal sub-populations in the central nervous system demonstrated using monoclonal antibodies against alpha-tubulin. Cumming R, et al. **Eur J Cell Biol** 1983 Sep; 31(2):241–8

Demonstration of different patterns of microtubule organization in Physarum polycephalum myxamoebae and plasmodia using immunofluorescence microscopy. Havercroft JC, et al. **Eur J Cell Biol** 1983 Nov;32(1):67–74

Antiactin and antitubulin antibodies in canine visceral leishmaniasis. Pateraki E, et al. **Infect Immun** 1983 Nov; 42(2):496–500

10-nm filaments are induced to collapse in living cells microinjected with monoclonal and polyclonal antibodies against tubulin. Blose SH, et al. **J Cell Biol** 1984 Mar; 98(3):847–58

Heterogeneity among microtubules of the cytoplasmic microtubule complex detected by a monoclonal antibody to alpha tubulin. Thompson WC, et al. **J Cell Biol** 1984 Mar;98(3):1017–25

[Immunocytochemical study of spheroid filament protein in amyotrophic lateral sclerosis using an antiserum to 200K peptide of neurofilament and anti-tubulin antibody] Kurisaki H, et al. **Rinsho Shinkeigaku** 1983 Nov; 23(11):1013–20 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Pig sperm tail tubulin. Its extraction and characterization. Little M, et al. **Exp Cell Res** 1983 Aug;147(1):15–22

Partial purification and characterization of microtubular protein from Trypanosoma brucei. Stieger J, et al. **J Biol Chem** 1984 Apr 10;259(7):4596–602

Purification and characterization of oocyte cytoplasmic tubulin and meiotic spindle tubulin of the surf clam Spisula solidissima. Suprenant KA, et al. **J Cell Biol** 1984 Jan; 98(1):253–66

Developmental and biochemical analysis of chick brain tubulin heterogeneity. Sullivan KF, et al. **J Neurochem** 1984 May;42(5):1363–71

Heterogeneity of vertebrate brain tubulins. Field DJ, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4041–5

METABOLISM

Control of microtubule stability by calmodulin-dependent and -independent phosphorylation. Margolis RL, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:417–25

Microtubule assembly: a review of progress, principles, and perspectives. Purich DL, et al. **Adv Protein Chem** 1984; 36:133–212 (199 ref.)

Localization of the ATP binding site on alpha-tubulin. Zabrecky JR, et al. **Arch Biochem Biophys** 1983 Sep; 225(2):475–81

Binding of colchicine to renal tubulin at 5 degrees C. Barnes LD, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):866–72

Kainate reversibly aggregates brain tubulin in vitro. López-Colomé AM, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):925–31

Inhibition of tubulin assembly by antileprosy drug dapsone. Rajagopalan R, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):128–34

Cyclic nucleotide- and Ca2+-independent phosphorylation of tubulin and microtubule-associated protein-2 by glycogen synthase (casein) kinase-1. Singh TJ, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):19–26

Visualization of lactoperoxidase binding to microtubule and tubulin. Suzuki T, et al. **Biochem Med** 1984 Apr;31(2):211–6

A comparison of the interaction of anthelmintic benzimidazoles with tubulin isolated from mammalian tissue and the parasitic nematode Ascaridia galli. Dawson PJ, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1069–74

Interactions of combretastatin, a new plant-derived antimitotic agent, with tubulin. Hamel E, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3864–7

Interaction of tubulin with bifunctional colchicine analogues: an equilibrium study. Andreu JM, et al. **Biochemistry** 1984 Apr 10;23(8):1742–52

Polymorphism of tubulin oligomers in the presence of microtubule-associated proteins. Implications in microtubule assembly. Carlier MF, et al. **Biochemistry** 1984 Mar 27;23(7):1582–90

Taxol effect on tubulin polymerization and associated guanosine 5'-triphosphate hydrolysis. Carlier MF, et al. **Biochemistry** 1983 Sep 27;22(20):4814–22

Isolation from bovine brain of a superstable microtubule subpopulation with microtubule seeding activity. Job D, et al. **Biochemistry** 1984 Jun 19;23(13):3025–31

Copolymerization of tubulin-colchicine complex and unliganded tubulin in a nonmicrotubular polymer. Saltarelli D, et al. **Biochemistry** 1983 Sep 13;22(19):4607–14

Interaction of 1-propargyl-5-chloropyrimidin-2-one (a metahalone) with rat brain tubulin. Dornish JM, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):156–62

The effects of deuterium oxide (2H2O) on the polymerization of tubulin in vitro. Itoh TJ, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):21–7

Tubulin tyrosinolated in vivo can be different from that tyrosinolated in vitro. Nath J, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):314–22

Evolution of tubulin heterogeneity during mouse brain development. Denoulet P, et al. **Biochimie** 1982 Mar; 64(3):165–72

Post-translational modification of tubulin in cultured neurons. Black MM, et al. **Brain Res** 1983 Dec 19; 289(1–2):355–7

MAP2 is localized to the dendrites of hippocampal neurons which develop in culture. Caceres A, et al. **Brain Res** 1984 Apr;315(2):314–8

The adrenal paraneurone: tubulin organization. Bader MF, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):502–11

Interaction of bimane-labeled fluorescent tubulin with the isolated mitotic apparatus. Wadsworth P, et al. **Cell Motil** 1984;4(3):183–96

Yields of tubulin paracrystals, vinblastine-crystals, induced in unfertilized and fertilized sea urchin eggs in the presence of D2O. Takahashi TC, et al. **Cell Struct Funct** 1984 Mar; 9(1):45–52

ADP-ribosylation of microtubule proteins as catalyzed by cholera toxin. Amir-Zaltsman Y, et al. **EMBO J** 1982; 1(2):181–6

Interaction of tubulin with non-denaturing amphiphiles. Andreu JM. **EMBO J** 1982;1(9):1105–10

Stoichiometry of microtubule-associated protein (MAP2):tubulin and the localisation of the phosphorylation and cysteine residues along the MAP2 primary sequence. Burns RG, et al. **Eur J Biochem** 1984 Jun 15;141(3):599–608

The multiple phosphorylation of the microtubule-associated protein MAP2 controls the MAP2:tubulin interaction. Burns RG, et al. **Eur J Biochem** 1984 Jun 15;141(3):609–15

Precursors of the nerve growth factor gamma subunit and renin bind to microtubules. Dicou E, et al. **Eur J Biochem** 1984 Sep 3;143(2):381–7

Anion-induced increases in the affinity of colcemid binding to tubulin. Ray K, et al. **Eur J Biochem** 1984 Aug 1; 142(3):577–81

Tubulin dynamics during the cytoplasmic cohesiveness cycle in artificially activated sea urchin eggs. Coffe G, et al. **Exp Cell Res** 1983 Dec;149(2):409–18

Direct incorporation of microtubule oligomers at high GTP concentrations. Burns RG, et al. **FEBS Lett** 1984 Jul 23; 173(1):67–74

The effect of S-100a and S-100b proteins and Zn2+ on the assembly of brain microtubule proteins in vitro. Deinum J, et al. **FEBS Lett** 1983 Nov 14;163(2):287–91

Effect of S-100 protein on assembly of brain microtubule proteins in vitro. Donato R. **FEBS Lett** 1983 Oct 17; 162(2):310–3

Effect of S-100 protein on microtubule assembly-disassembly. Endo T, et al. **FEBS Lett** 1983 Sep 19;161(2):235–8

The molecular mechanism of interaction of Et3Pb+ with tubulin. Faulstich H, et al. **FEBS Lett** 1984 Aug 20; 174(1):128–31

Stabilization of the colchicine-binding activity of tubulin by glutathione and by dietary selenium-deficiency. Hesketh JE. **Int J Biochem** 1983;15(10):1287–9

Characteristics of tubulin aggregation by tubulin-binding proteins from brain and by synthetic polycations. Miyatake K, et al. **Int J Biochem** 1983;15(11):1305–12

Alteration of lymphocyte function by quinones through a sulfhydryl-dependent disruption of microtubule assembly. Pfeifer RW, et al. **Int J Immunopharmacol** 1983;5(5):463–70

Regulation of microtubule and actin filament assembly—disassembly by associated small and large molecules. Hill TL, et al. **Int Rev Cytol** 1983;84:185–234 (47 ref.)

Structure-activity relationship of 1-propargyl-5-halopyrimidin-2-ones. Metaphase arresting properties and competitive inhibition of colchicine binding to tubulin. Dornish JM, et al. **Invest New Drugs** 1983; 1(3):203–11

Network formation by neurofilament-induced polymerization of tubulin: 200K subunit of neurofilament triplet promotes nucleation of tubulin polymerization and enhances microtubule assembly. Minami Y, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):2023–33

The mechanism of action of Na glutamate, lysine HCl, and piperazine-N,N'-bis(2-ethanesulfonic acid) in the stabilization of tubulin and microtubule formation. Arakawa T, et al. **J Biol Chem** 1984 Apr 25;259(8):4979–86

Binding to tubulin of the colchicine analog 2-methoxy-5-(2', 3', 4'-trimethoxyphenyl)tropone. Thermodynamic and kinetic aspects. Bane S, et al. **J Biol Chem** 1984 Jun 25; 259(12):7391–8

On the nonlinear relationship between the initial rates of dilution-induced microtubule disassembly and the initial free subunit concentration. Farrell KW, et al. **J Biol Chem** 1983 Dec 10;258(23):14148–56

Interaction of 6-mercapto-GTP with bovine brain tubulin. Equilibrium aspects. Fishback JL, et al. **J Biol Chem** 1984 Feb 10;259(3):1968–73

Purification and characterization of a calmodulin-dependent kinase from rat brain cytosol able to phosphorylate tubulin and microtubule-associated proteins. Goldenring JR, et al. **J Biol Chem** 1983 Oct 25;258(20):12632–40

Stability of tubulin polymers formed with dideoxyguanosine nucleotides in the presence and absence of microtubule-associated proteins. Hamel E, et al. **J Biol Chem** 1984 Feb 25;259(4):2501–8

Immunological detection of microtubule poison-induced conformational changes in tubulin. Morgan JL, et al. **J Biol Chem** 1983 Nov 10;258(21):13127–33

Limited proteolysis of tubulin and the localization of the binding site for colchicine. Serrano L, et al. **J Biol Chem** 1984 May 25;259(10):6607–11

The kinetics of microtubule assembly. Evidence for a two-stage nucleation mechanism. Voter WA, et al. **J Biol Chem** 1984 Aug 25;259(16):10430–8

Immunocytochemical demonstration of alpha-tubulin modification during axonal maturation in the cerebellar cortex. Cumming R, et al. **J Cell Biol** 1984 Jan;98(1):347–51

Role of the centrosome in organizing the interphase microtubule array: properties of cytoplasts containing or lacking centrosomes. Karsenti E, et al. **J Cell Biol** 1984 May;98(5):1763–76

Rapid rate of tubulin dissociation from microtubules in the mitotic spindle in vivo measured by blocking polymerization with colchicine. Salmon ED, et al. **J Cell Biol** 1984 Sep;99(3):1066–75

Microinjection of fluorescent tubulin into dividing sea urchin cells. Wadsworth P, et al. **J Cell Biol** 1983 Oct; 97(4):1249–34

Colchicine-binding activity distinguishes sea urchin egg and outer doublet tubulins. Wilson L, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):37–41

High-performance liquid chromatographic application of the Hummel and Dreyer method for the determination of colchicine-tubulin binding parameters. Williams RF, et al. **J Chromatogr** 1983 Aug 26;266:141–50

Transplacental effects of 3,5-dimethyl-3'-isopropyl-L-thyronine on tubulin content in fetal brains in rats. Takahashi T. **Jpn J Physiol** 1984; 34(2):365–8

Modulation of tubulin tyrosinolation in human polymorphonuclear leukocytes (PMM). Nath J, et al. **KROC Found Ser** 1984;16:95–110 (53 ref.)

Neurotoxicity of colchicine and other tubulin-binding agents: a selective vulnerability of certain neurons to the disruption of microtubules. Steward O, et al. **Life Sci** 1984 Jul 2; 35(1):43–51

Binding of polyribonucleotides and polydeoxyribonucleotides to bovine brain microtubule protein: age-dependent modulation via phosphorylation of high-molecular-weight microtubule-associated proteins and tau proteins. Schröder HC, et al. **Mech Ageing Dev** 1984 Jan;24(1):101–17

Tubulin and tubulin-colchicine complex bind to brain microsomal membrane in vitro. Rodríguez JA, et al. **Mol Cell Biochem** 1983;56(1):49–53

Elevation of tubulin levels by microinjection suppresses new tubulin synthesis. Cleveland DW, et al. **Nature** 1983 Oct 20–26;305(5936):738–40

Immunofluorescence distribution of alpha tubulin, beta tubulin and microtubule-associated protein 2 during in vitro maturation of cerebellar granule cell neurones. Cumming R, et al. **Neuroscience** 1984 Jul;12(3):775–82

Subunit composition specific to axonally transported tubulin. Tashiro T, et al. **Neuroscience** 1983 Aug;9(4):943–50

Immunohistochemical localization of creatine kinase BB-isoenzyme and tubulin in gerbil brain. Yoshimine T, et al. **Neuroscience** 1984 Jul;12(3):959–69

Interference of GTP hydrolysis in the mechanism of microtubule assembly: an experimental study. Carlier MF, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):771–5

Use of Monte Carlo calculations in the study of microtubule subunit kinetics. Chen Y, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7520–3

Relationships between the structures of taxol and baccatine III derivatives and their in vitro action on the disassembly

of mammalian brain and Physarum amoebal microtubules. Lataste H, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(13):4090–4

Axonal transport of a subclass of tau proteins: evidence for the regional differentiation of microtubules in neurons. Tytell M, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(5):1570–4

Reevaluation of the effects of alcohol consumption on rat liver microtubules: effects of feeding status. Baraona E, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):265–78

1-Acetyl-3-acetoxy-5'5-diphenylhydantoin has colchicine-like activity. MacKinney AA Jr, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):251–64

Effect of lipid peroxidation on microtubular protein. Miglietta A, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):331–4

Effects of methylmercury and some metal ions on microtubule networks in mouse glioma cells and in vitro tubulin polymerization. Miura K, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):218–31

[Regulation of tubulin polymerization] Sakai H. **Tanpakushitsu Kakusan Koso** 1983 Apr;28(5):645–56 (59 ref.) **(Jpn)**

PHYSIOLOGY

Mutations in alpha- and beta-tubulin affect spindle formation in Chinese hamster ovary cells. Abraham I, et al. **J Cell Biol** 1983 Oct;97(4):1055–61

Relationship of actin and tubulin distribution to bud growth in wild-type and morphogenetic-mutant Saccharomyces cerevisiae. Adams AE, et al. **J Cell Biol** 1984 Mar; 98(3):934–45

Structural rearrangements of tubulin and actin during the cell cycle of the yeast Saccharomyces. Kilmartin JV, et al. **J Cell Biol** 1984 Mar;98(3):922–33

TUBULOINTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

TUFTSIN

ANALOGS & DERIVATIVES

A biochemical study of the phagocytic activities of tuftsin and its analogues. Hisatsune K, et al. **Ann NY Acad Sci** 1983;419:205–13

Elongated tuftsin analogues—synthesis and biological investigation. Konopińska D, et al. **Ann NY Acad Sci** 1983; 419:35–43

The antineoplastic effects of tuftsin and tuftsinyltuftsin on B16/5B melanoma and L1210 cells. Najjar VA, et al. **Ann NY Acad Sci** 1983;419:261–7

Synthesis and biological activity of [L-3,4-dehydroproline3]-tuftsin. Amoscato AA, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):489–94

BIOSYNTHESIS

Effects of protizinic acid on leukokinin generation and its physiological action. Suzuki K, et al. **Agents Actions** 1984 Jun;14(5–6):699–706

CHEMICAL SYNTHESIS

New synthetic and natural tuftsin-related compounds and evaluation of their phagocytosis-stimulating activity. Martinez J, et al. **Ann NY Acad Sci** 1983;419:23–34

Synthesis and biological investigations of new tuftsin analogs with elongated peptide chain. Konopinska D, et al. **Int J Pept Protein Res** 1983 Aug;22(2):223–30

DEFICIENCY

Congenital tuftsin deficiency. Constantopoulos A. **Ann NY Acad Sci** 1983;419:214–9

Acquired tuftsin deficiency. Spirer Z, et al. **Ann NY Acad Sci** 1983;419:220–6

IMMUNOLOGY

The similarity between tuftsin (Thr-Lys-Pro-Arg) receptors and tuftsin antibody: a case of induced molecular mimicry. Chaudhuri MK, et al. **Ann NY Acad Sci** 1983;419:135–42

Immunopharmacological properties of tuftsin and of some analogues. Florentin I, et al. **Ann NY Acad Sci** 1983; 419:177–91 (24 ref.)

Tuftsin: an immunomodulating peptide hormone and its clinical potential as a natural biological response modifier. Nishioka K, et al. **Cancer Invest** 1984;2(1):39–49 (95 ref.)

METABOLISM

Receptor-mediated internalization of tuftsin. Amoscato AA, et al. **Ann NY Acad Sci** 1983;419:114–34

Tuftsin receptors. Gottlieb P, et al. **Ann NY Acad Sci** 1983; 419:93–106

Tuftsin binding to various macrophage hybridomas. Gottlieb P, et al. **Ann NY Acad Sci** 1983;419:107–13

Receptor-mediated endocytosis of tuftsin by macrophage cells. Gottlieb P, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):203–11

PHARMACODYNAMICS

Antineoplastic, immunogenic and other effects of the tetrapeptide tuftsin: a natural macrophage activator. **Ann NY Acad Sci** 1983;419:1–273

Effect of tuftsin on the migration, chemotaxis, and differentiation of macrophages and granulocytes. Babcock GF, et al. **Ann NY Acad Sci** 1983;419:64–74

Immunorestorative capacity of tuftsin after long-term administration to aging mice. Bruley-Rosset M, et al. **Ann NY Acad Sci** 1983;419:242–50

Tuftsin stimulation of phagocytosis by the retinal pigment epithelium. Fisher LJ, et al. **Ann NY Acad Sci** 1983; 419:227–33

On the mechanism of the augmentation of the phagocytic capability of phagocytic cells by Tuftsin, substance P, neurotensin, and kentsin and the interrelationship between their receptors. Goldman R, et al. **Ann NY Acad Sci** 1983; 419:143–55 (49 ref.)

Central effects of tuftsin. Herman ZS, et al. **Ann NY Acad Sci** 1983;419:156–63

A biochemical study of the phagocytic activities of tuftsin and its analogues. Hisatsune K, et al. **Ann NY Acad Sci** 1983;419:205–13

The influence of tuftsin on blood pressure in animals. Paradowski A, et al. **Ann NY Acad Sci** 1983;419:164–7

Tuftsin-induced enhancement of murine and human natural cell-mediated cytotoxicity. Phillips JH, et al. **Ann NY Acad Sci** 1983;419:192–204

Enhancement of endogenous xenotropic murine retrovirus expression by tuftsin. Suk WA, et al. **Ann NY Acad Sci** 1983;419:75–86

Purine salvage pathway enzyme activity in tuftsin-stimulated macrophages. Tritsch GL, et al. **Ann NY Acad Sci** 1983; 419:87–92

Antibacterial properties of tuftsin and its analogs. Blok-Perkowska D, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):134–6

Tuftsin-like activity of amino acids. Slopek S, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):915–7

Stimulating effect of tuftsin and its analogues on the defective monocyte chemotaxis in systemic lupus erythematosus. Lukács K, et al. **Immunopharmacology** 1984 Jun; 7(3–4):171–8

The effect of tuftsin and splenectomy on mortality after intraabdominal sepsis. Baker CC, et al. **J Surg Res** 1984 May;36(5):499–502

[Monoaminergic mechanisms of the regulating effect of short peptides in simulating behavioral pathology] Val'dman AV, et al. **Patol Fiziol Eksp Ter** 1984 May-Jun;(3):60–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Tuftsin, a natural activator of phagocyte cells: an overview. Najjar VA. **Ann NY Acad Sci** 1983;419:1–11 (65 ref.)

The function of tuftsin and similar sequences in other proteins. Segal S, et al. **Ann NY Acad Sci** 1983;419:168–76 (72 ref.)

Biological aspects of tuftsin activity. Steuden W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):575–8

Cytophilic gamma-globulin and tuftsin. Najjar VA. **Surv Immunol Res** 1982;1(1):9–16 (54 ref.)

[Tuftsin—physiological and clinical aspects and perspectives of its therapeutic use] Miarka J, et al. **Przegl Lek** 1983; 40(7):559–62 (20 ref.) **(Pol)**

THERAPEUTIC USE

Toxicology and antitumor activity of tuftsin. Catane R, et al. **Ann NY Acad Sci** 1983;419:251–60

The antineoplastic effects of tuftsin and tuftsinyltuftsin on B16/5B melanoma and L1210 cells. Najjar VA, et al. **Ann NY Acad Sci** 1983;419:261–7

In vivo and in vitro antitumor activities of tuftsin. Nishioka K, et al. **Ann NY Acad Sci** 1983;419:234–41

Potentiation of antitumor activity of alpha-difluoromethyl ornithine by the immunomodulating peptide tuftsin. Sunkara PS, et al. **Ann NY Acad Sci** 1983;419:268–72

First case of AIDS in a homosexual in Israel. Results of different therapeutic regimens. Marilus R, et al. **Isr J Med Sci** 1984 Mar;20(3):249–51

TULAREMIA

Tularemia in children. Jacobs RF, et al. **Pediatr Infect Dis** 1983 Nov-Dec;2(6):487–91 (26 ref.)

COMPLICATIONS

Hepatic abscess complicating ulceroglandular tularemia. Gourdeau M, et al. **Can Med Assoc J** 1983 Dec 15; 129(12):1286–8

DIAGNOSIS

Tularemia with unusual laboratory characteristics in South Dakota children. Larson BW, et al. **SD J Med** 1984 Jun; 37(6):5–10

[Tularemia with cervical lymph nodes involvement] Weyl M, et al. **Arch Fr Pediatr** 1984 Apr;41(4):273 (Eng. Abstr.) **(Fre)**

[Diagnostic difficulties in tularemia] Jeżyna C. **Wiad Lek** 1983 Nov 1;36(21):1813–7 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

A clinical approach to the choice of antimicrobial therapy. Case number 23. Fever and lymphadenopathy in a farmer. Peeno LP, et al. **J Ky Med Assoc** 1984 Jul;82(7):315–8

ENZYMOLOGY

Effects of Streptococcus pneumoniae, Salmonella typhimurium and Francisella tularensis infections on oxidative, glycolytic and lysosomal enzyme activity in red and white skeletal muscle in the rat. Friman G, et al. **Scand J Infect Dis** 1984;16(1):111–9

ETIOLOGY

A tale of tularemia [letter] Coffey JD Jr. **Pediatr Infect Dis** 1984 Jan-Feb;3(1):89–90

HISTORY

Landmark article April 25, 1925: Tularemia. By Edward Francis. **JAMA** 1983 Dec 16;250(23):3216–24

Landmark perspective: Tularemia. Sanford JP. **JAMA** 1983 Dec 16;250(23):3225–6

Tularemia and report of a case by Jerome A. Murphy. N. Y. State J. Med. 1928. Murphy JA. **NY State J Med** 1983 Jul-Sep;83(8–10):1062

IMMUNOLOGY

Antigen from Francisella tularensis: nonidentity between determinants participating in cell-mediated and humoral reactions. Sandström G, et al. **Infect Immun** 1984 Jul; 45(1):101–6

[Time course of the production of immunoglobulins in patients with tularemia] Ohara S, et al. **Nippon Saikingaku Zasshi** 1984 Mar;39(2):103–6 (Eng. Abstr.) **(Jpn)**

[Comparative study of the basic immunological reactions for assessing tularemia immunity in inoculated persons or those who have had the disease] Kamennova LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):92–5 (Eng. Abstr.) **(Rus)**

[Antibody dynamics of carnivorous mammals and corvine birds infected with Francisella tularensis] Sukhanov NA. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May;(5):105–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Sequential metabolic alterations in the myocardium during influenza and tularemia in mice. Ilbäck NG, et al. **Infect Immun** 1984 Aug;45(2):491–7

OCCURRENCE

A five-year evaluation of tularemia in Arkansas. McChesney TC, et al. **J Arkansas Med Soc** 1983 Nov;80(6):257–62

Tularemia. Two manifestations in an urban man. Nohinek B, et al. **Mo Med** 1983 Nov;80(11):687–9, 698

[Status of research on the Komi ASSR region for infections of natural foci in the wild] Levin AM. **Tr Inst Pastera** 1983;60:51–5 (Eng. Abstr.) **(Rus)**

[Epizootiological characteristics of tularemia in the northwestern USSR] Liutov IuG, et al. **Tr Inst Pastera** 1983;60:126–33 (Eng. Abstr.) **(Rus)**

[Marsh-swamp foci of tularemia in Novgorod Province] Pokrovskaia VI, et al. **Tr Inst Pastera** 1983;60:146–9 (Eng. Abstr.) **(Rus)**

[Zooanthroponotic infections in the Northwest (I. Leptospirosis, Q rickettsiosis, pseudotuberculosis and tularemia)] Tokarevich KN, et al. **Tr Inst Pastera** 1983; 60:4–14 (Eng. Abstr.) **(Rus)**

[Stability and activity of natural foci of tularemia in Leningrad Province] Ul'ianova NI, et al. **Tr Inst Pastera** 1983;60:133–40 (Eng. Abstr.) **(Rus)**

[Natural tularemia focus in the northwestern part of the Leningrad environs and the prediction of epizootics among small mammals] Vansulin SA. **Tr Inst Pastera** 1983; 60:140–5 (Eng. Abstr.) **(Rus)**

[Occurrence of natural tularemia foci in Kamchatka] Merinova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):112–4 (Eng. Abstr.) **(Rus)**

[Results of the study of bird droppings collected in the Lithuanian SSR for the purpose of searching out tularemia epizootics] Moteiunas LI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

[Prerequisites for the ecological prognosis of tularemia and leptospirosis foci in human activities in the national economy] Siniak KM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):62–6 **(Rus)**

[Study of selected zoonoses in eastern Slovakia in recent times] Prokopčáková H, et al. **Bratisl Lek Listy** 1984 Feb; 81(2):201–8 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Clinicopathologic conference. Fever, leukopenia, acute renal failure, and death in a 65-year-old man. **Am J Med** 1984 Jul;77(1):117–24

PHYSIOPATHOLOGY

Modifying effects of exercise on clinical course and biochemical response of the myocardium in influenza and tularemia in mice. Ilbäck NG, et al. **Infect Immun** 1984 Aug;45(2):498–504

RADIOGRAPHY

Tularemia: atypical presentation. Vento AO, et al. **Md State Med J** 1984 May;33(5):395–6

TRANSMISSION

Tularaemia transmitted by ticks (Dermacentor andersoni) in Saskatchewan. Gordon JR, et al. **Can J Comp Med** 1983 Oct;47(4):408–11

Tick-borne ulceroglandular tularemia. Leggiadro RJ, et al. **NY State J Med** 1983 Jul–Sep;83(8–10):1053–4

VETERINARY

Quantum differences in oral susceptibility of voles, Microtus pennsylvanicus, to virulent Francisella tularensis type B, in drinking water: implications to epidemiology. Bell JF, et al. **Ecol Dis** 1983;2(2):151–5

Serologic studies on brucellosis, leptospirosis and tularemia in moose (Alces alces) in Quebec. Bourque M, et al. **J Wildl Dis** 1984 Apr;20(2):95–9

Tularemia in a rough-legged buzzard (Buteo lagopus) and a ural owl (Strix uralensis). Mörner T, et al. **J Wildl Dis** 1983 Oct;19(4):360–1

TUMOR ANTIBODIES see **ANTIBODIES, NEOPLASM**

TUMOR ANTIGENS see **ANTIGENS, NEOPLASM**

TUMOR ANTIGENS, VIRAL see **ANTIGENS, VIRAL, TUMOR**

TUMOR CELLS, EMBOLIC see **NEOPLASM CIRCULATING CELLS**

TUMOR INITIATORS see **CARCINOGENS**

TUMOR PROMOTERS see **CARCINOGENS**

TUMOR STAGING see **NEOPLASM STAGING**

TUMOR STEM CELL ASSAY see under **COLONY-FORMING UNITS ASSAY**

TUMOR STEM CELLS see under **STEM CELLS**

TUMOR VIRUS INFECTIONS

Immunocytochemical localization of T antigen in cells of BK virus-induced hamster brain tumor. Tsuboi M. **Acta Med Okayama** 1983 Aug;37(4):353–66

Induction of brain tumors by a newly isolated JC virus (Tokyo-1 strain). Nagashima K, et al. **Am J Pathol** 1984 Sep;116(3):455–63

Angiosarcomas in hamsters after inoculation of brain tissue from a case of progressive multifocal leukoencephalopathy. Brun A, et al. **Cancer** 1984 Apr 15;53(8):1714–7

Fraternal hepatocellular carcinoma in young children in two families. Chang MH, et al. **Cancer** 1984 Apr 15; 53(8):1807–10

Histologic, nuclear DNA, and human papillomavirus studies of cervical condylomas. Fu YS, et al. **Cancer** 1983 Nov 1;52(9):1705–11

Prevalence of delta antigen/antibody in B-viral-associated hepatocellular carcinoma. Govindarajan S, et al. **Cancer** 1984 Apr 15;53(8):1692–4

Koilocytotic lesions of the cervix. The relationship of mitotic abnormalities to the presence of papillomavirus antigens and nuclear DNA content. Winkler B, et al. **Cancer** 1984 Mar 1;53(5):1081–7

Naturally occurring retroviruses (RNA tumor viruses). II. Hardy WD Jr. **Cancer Invest** 1983;1(2):163–74

Host-mediated antitumor activity of Lactobacillus casei in mice. Yasutake N, et al. **Gann** 1984 Jan;75(1):72–80

Heterogeneity of plasminogen activator expression in various Moloney virus-induced tumor cell lines. Lack of correlation with tumor growth and cell phenotype. Angles-Cano E, et al. **Int J Cancer** 1984 Feb 15; 33(2):277–80

Ecotropic MuLV expression in radiation-induced lymphomas of the RF, BALB/c and (BALB/c X RF)F1 mouse strains. Dorsch-Häsler K, et al. **Int J Cancer** 1983 Oct 15;32(4):465–9

Prevalence of antibody to adult T-cell leukemia virus-associated antigens (ATLA) in Japanese monkeys and other non-human primates. Hayami M, et al. **Int J Cancer** 1984 Feb 15;33(2):179–83

Human papillomavirus type-16-related DNA in genital Bowen's disease and in Bowenoid papulosis. Ikenberg H, et al. **Int J Cancer** 1983 Nov 15;32(5):563–5

Inhibition of initiator-induced SV40 gene amplification in SV40-transformed Chinese hamster cells by infection with a defective parvovirus. Schlehofer JR, et al. **Int J Cancer** 1983 Nov 15;32(5):591–5

Immunity against Moloney sarcoma virus in H-2Db mutant bm14 mice. Unimpaired tumor immunity despite absence of a virus-specific cytotoxic T-cell response. Stukart MJ, et al. **Int J Cancer** 1984 Feb 15;33(2):265–9

Karyotype evolution in a transformed rat cerebral endothelial cell line. Tyrkus M, et al. **Int J Cancer** 1983 Oct 15; 32(4):485–90

Human papillomavirus infection of the lower female genital tract: association with multicentric neoplasia. Stanbridge CM, et al. **Int J Gynecol Pathol** 1983;2(3):264–74

Tumor viruses, oncogenes, and human cancer. Androphy EJ, et al. **J Am Acad Dermatol** 1984 Jan;10(1):125–41 (90 ref.)

Alterations of acquired mouse mammary tumor virus DNA during mammary tumorigenesis in BALB/cfC3H mice. Cardiff RD, et al. **JNCI** 1983 Nov;71(5):1011–9

Differential extraction of tumor-specific transplantation antigen and embryonic antigen from simian virus 40- and adenovirus 7-induced sarcoma cells of hamsters with 1-butanol and 3 M potassium chloride. Coggin JH Jr, et al. **JNCI** 1984 Apr;72(4):853–62

Cytomegalovirus and carcinogenesis. Rapp F. **JNCI** 1984 Apr;72(4):783–7

Yolk sac-derived malignant tumors develop in the absence of germ cells. Sobis H, et al. **Oncodev Biol Med** 1983; 4(6):415–22

BK virus-induced tumors in hamsters: a morphological, histochemical and ultrastructural study. Altavilla G, et al. **Oncology** 1983;40(6):427–41

Respiratory papillomatosis: etiological relation to genital tract papillomaviruses. Mounts P, et al. **Prog Med Virol** 1984;29:90–114 (124 ref.)

T cell malignancies and human T cell leukemia virus. Gallo RC, et al. **Semin Oncol** 1984 Mar;11(1):12–7

Role of infectious virus expression and immune response in retrovirus-induced oncogenesis. Zanovello P, et al. **Tumori** 1984 Feb 29;70(1):1–8

ANALYSIS

Type beta transforming growth factor from feline sarcoma virus-transformed rat cells. Isolation and biological properties. Massagué J. **J Biol Chem** 1984 Aug 10; 259(15):9756–61

Failure to detect beta 2 microglobulin in viral warts. Furue M, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):455–9

BLOOD

NIH conference. T-cell lymphoproliferative syndrome associated with human T-cell leukemia/lymphoma virus. Broder S, et al. **Ann Intern Med** 1984 Apr;100(4):543–57 (104 ref.)

COMPLICATIONS

Clinical significance of human papillomavirus infection of the uterine cervix in the development of cervical intraepithelial neoplasia. Cheetham D, et al. **Br J Vener Dis** 1984 Jun;60(3):182–5

Natural history of cervical epithelial abnormalities in patients with vulval warts. A colposcopic study. Walker PG, et al. **Br J Vener Dis** 1983 Oct;59(5):327–9

Epidermodysplasia verruciformis in lepromatous leprosy. Report of 2 cases. Jacyk WK, et al. **Dermatologica** 1984; 168(4):202–5

Viruses and cancer: herpesviruses and tumors in the head and neck. A review. Scully C. **Oral Surg** 1983 Sep; 56(3):285–92 (145 ref.)

Intraepithelial stage of squamous cell carcinoma of the uterine cervix: a multifactorial dynamic process. Rilke F. **Prog Clin Biol Res** 1983;132D:99–105

HEL-12 virus: general considerations. Panem S. **Surv Immunol Res** 1983;2(1):12–24 (53 ref.)

[Epidermodysplasia verruciformis associated with chromosomal abnormality] Sawada Y, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Mar;94(3):201–5 **(Jpn)**

DIAGNOSIS

Statement of caution in the interpretation of papillomavirus-associated lesions of the epithelium of uterine cervix [letter] Kaufman R, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):182–3

Colposcopy in the diagnosis of papillomavirus infection of the uterine cervix. Walker PG, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):1082–6

Anal smear test to diagnose occult anorectal infection with human papillomavirus in men [letter] Medley G. **Br J Vener Dis** 1984 Jun;60(3):205

Early nasopharyngeal carcinoma among IgA/VCA antibody positive individuals detected by anticomplement immunoenzymatic method. Zeng Y, et al. **Chin Med J [Engl]** 1984 Mar;97(3):155–7

Acanthosis nigricans maligna. Clinical and virological investigations. Gross G, et al. **Dermatologica** 1984; 168(6):265–72

Serologic diagnosis of nasopharyngeal carcinoma. A double-blind study of four EB virus antibodies with evaluation by sequential discrimination. Cai WM, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1763–8

Prospective study of the human polyomaviruses BK and JC and cytomegalovirus in renal transplant recipients. Gardner SD, et al. **J Clin Pathol** 1984 May;37(5):578–86

Association of human papillomavirus subtype and clinical course in respiratory papillomatosis. Mounts P, et al. **Laryngoscope** 1984 Jan;94(1):28–33

[Clinical aspects of virus-induced tumors] Sesterhenn K. **Arch Otorhinolaryngol [Suppl]** 1983;1:189–253 **(Ger)**

[Slow viruses of the central nervous system. IV. Progressive multifocal leukoencephalopathy] Liberski PP. **Postepy Hig Med Dosw** 1983 Jul–Aug;37(4):389–406 (74 ref.) (Eng. Abstr.) **(Pol)**

[Clinical and histological characteristics of the changes induced by human papilloma virus (HPV 7)] Obalek S, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):347–51 (Eng. Abstr.) **(Pol)**

[Clinical and histological characteristics of the changes induced by HPV 4 (human papilloma virus)] Obalek S, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):341–6 (Eng. Abstr.) **(Pol)**

[Bowen's disease of the vulva and cervix uteri – their interrelation] Walczak L, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):415–21 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Inhibition by acyclovir of herpes simplex virus type 2 morphologically transformed cell growth in tissue culture and tumor-bearing animals. Kucera LS, et al. **J Med Virol** 1983;12(2):119–27

ETIOLOGY

Fatal Epstein-Barr-virus-associated proliferation of donor B cells after treatment of acute graft-versus-host disease with a murine anti-T-cell antibody. Martin PJ, et al. **Ann Intern Med** 1984 Sep;101(3):310–5

A follow-up study of the development of Rauscher erythroleukemia. Szabó G Jr, et al. **Cytometry** 1984 Jan; 5(1):92–5

Human leukemia virus associated with adult T-cell leukemia. Yoshida M. **Gann** 1983 Dec;74(6):777–89 (57 ref.)

Experimental infection of cynomolgus monkeys with a human retrovirus, adult T-cell leukemia virus. Yamamoto N, et al. **Med Microbiol Immunol (Berl)** 1984;173(1):57–64

[Nasopharyngeal carcinoma] Albeck H. **Ugeskr Laeger** 1983 Aug 8;145(32):2415–8 (Eng. Abstr.) **(Dan)**

[Generalized human parapoxvirus infection] Mikola I, et al. **Orv Hetil** 1984 Jun 10;125(24):1449–51 (Eng. Abstr.) **(Hun)**

[Model of viral leukemogenesis in mice (II)] Rupniewska ZM. **Acta Haematol Pol** 1983 Jul–Dec;14(3–4):229–40 (86 ref.) **(Pol)**

[Pathogenic properties of the human papovavirus in the golden hamster model] Borodina NP, et al. **Vopr Onkol** 1984;30(2):80–4 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Human oncogenes. Willecke K, et al. **Hum Genet** 1984; 66(2–3):132–42 (88 ref.)

The physical state of hybrid genomes containing simian virus 40 and bovine papilloma virus DNA sequences in transformed clonal cell lines. Lehn H, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1413–8

A single major immediate-early virus gene product is synthesized in cells productively infected with herpesvirus saimiri. Randall RE, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1215–9

IMMUNOLOGY

Papillomavirus common antigens. Papillomavirus antigen in verruca, benign papillomatous lesions, trichilemmoma, and bowenoid papulosis: an immunoperoxidase study. Penneys NS, et al. **Arch Dermatol** 1984 Jul;120(7):859–61

Local immunological reactivity in oral squamous cell lesions of possible HPV (human papillomavirus) origin. Syrjänen KJ, et al. **Arch Geschwulstforsch** 1983;53(6):537–46

Cervical wart virus infection, intraepithelial neoplasia and carcinoma; an immunohistological study using a panel of monoclonal antibodies. Morris HB, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):1069–81

Prospects for the immunological management of lethal tumors. Iglehart JD, et al. **Cancer Invest** 1983;1(5):409–21 (67 ref.)

Feline cytotoxic immune mechanisms against virus-associated leukemia and fibrosarcoma. McCarty JM, et al. **Cell Immunol** 1983 Oct 1;81(1):157–68

Immunologic dysfunction during viral oncogenesis. II. Inhibition of cellular immunity to viral antigens by malignant rabbit fibroma virus. Skaletsky E, et al. **Cell Immunol** 1984 Jun;86(1):64–74

Immunocompetent cells in uterine cervical lesions of human papillomavirus origin. Syrjänen KJ. **Gynecol Obstet Invest** 1983;16(6):327–40

Properties of a herpesvirus-transformed hamster cell line: immunogenicity of sublines of high and low metastatic potential. Teale DM, et al. **Int J Cancer** 1984 May 15; 33(5):701–8

Recognition by cytotoxic T lymphocytes of cells expressing fragments of the SV40 tumor antigen. Gooding LR, et al. **J Immunol** 1983 Nov;131(5):2580–6

Cloned cytotoxic T lymphocytes recognize cells expressing discrete fragments of the SV40 tumor antigen. O'Connell KA, et al. **J Immunol** 1984 Feb;132(2):953–8

Susceptibility of Adenovirus 2-transformed rat cell lines to natural killer (NK) cells: direct correlation between NK resistance and in vivo tumorigenesis. Sheil JM, et al. **J Immunol** 1984 Mar;132(3):1578–82

Immunologic dysfunction during viral oncogenesis. I. Nonspecific immunosuppression caused by malignant rabbit fibroma virus. Strayer DS, et al. **J Immunol** 1983 Nov; 131(5):2595–600

Reactivation of persistent papovavirus K infection in immunosuppressed mice. Greenlee JE, et al. **J Virol** 1984 Aug;51(2):425–9

Fatal Epstein–Barr virus disease in a Laotian refugee. Krause PJ, et al. **Pediatr Infect Dis** 1984 Jan–Feb;3(1):50–4

Demonstration of human papilloma virus (HPV) antigens in a case of urethral condyloma. Syrjänen KJ, et al. **Scand J Urol Nephrol** 1983;17(3):267–70

Immunopathology of virally induced tumors II. **Springer Semin Immunopathol** 1982;5(1):1–112

Immunopathology of papillomavirus-induced tumors in different tissues. Jablonska S, et al. **Springer Semin Immunopathol** 1982;5(1):33–53 (82 ref.)

Immunopathology of papillomavirus-induced warts and skin cancers in immunodepressed and immunosuppressed patients. Lutzner MA. **Springer Semin Immunopathol** 1982; 5(1):53–62 (27 ref.)

Further data on the prevalence of serum antibodies to papova viruses (BK and SV40) in subjects from the Romanian area with Balkan endemic nephropathy. Nastac E, et al. **Virologie** 1984 Jan–Mar;35(1):65–7

Investigations on the presence of papova virus in certain forms of human cancer. Note 2. Brain tumors. Stoian M, et al. **Virologie** 1984 Apr–Jun;35(2):127–32

[Virologic-serologic diagnosis of nasopharyngeal cancer] Bornkamm GW. **Strahlentherapie [Sonderb]** 1984;78:15–21 **(Ger)**

[Initial experiences with a miniaturized solid phase fluorescence immunoassay] Pabst F, et al. **Z Med Lab Diagn** 1983;24(8):433–7 (Eng. Abstr.) **(Ger)**

[The immune states of patients with herpes simplex virus and human papilloma virus infections. Case reports] Cimitan A, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug; 117(4):203–6 (Eng. Abstr.) **(Ita)**

METABOLISM

The simultaneous extraction of high-molecular-weight DNA and of RNA from solid tumors. Krieg P, et al. **Anal Biochem** 1983 Oct 15;134(2):288–94

Image analysis and DNA content of urothelial cells infected with human polyomavirus. Koss LG, et al. **Anal Quant Cytol** 1984 Jun;6(2):89–94

Effect of simian virus 40 infection on albumin production by hepatocytes cultured in chemically defined medium and plated on collagen and non-collagen attachment surfaces. Georgoff I, et al. **J Biol Chem** 1984 Aug 10; 259(15):9595–602

Chemotherapeutic agent permeability to normal brain and delivery to avian sarcoma virus-induced brain tumors in the rodent: observations on problems of drug delivery. Neuwelt EA, et al. **Neurosurgery** 1984 Feb;14(2):154–60

MICROBIOLOGY

Demonstration of human papilloma virus type 2 DNA in Bowen's disease. Pfister H, et al. **Arch Dermatol Res** 1984; 276(2):123–5

A human papillomavirus closely related to HPV 13 found in a focal epithelial hyperplasia lesion (Heck disease). Syrjänen S, et al. **Arch Dermatol Res** 1984;276(3):199–200

Hamster endogenous retrovirus (HaER) isolated from SV-40 induced tumor cells. Goldschmied-Reouven A, et al. **Arch Virol** 1983;78(3–4):233–44

Oncogenic activity of the BK type of human papova virus in inbred rat strains. Noss G, et al. **Arch Virol** 1984; 81(1–2):41–51

Genital wart virus infections: nuisance or potentially lethal? [letter] **Br Med J [Clin Res]** 1984 Mar 31;288(6422):1007–8

Presence of human papillomavirus DNA sequences in cervical intraepithelial neoplasia. McCance DJ, et al. **Br Med J [Clin Res]** 1983 Sep 17;287(6395):784–8

Chromosomal changes in bovine papillomavirus type 1-induced Syrian hamster tumors. Gamperl R, et al. **Cancer Genet Cytogenet** 1984 Jun;12(2):151–62

Morphological and immunohistochemical evidence suggesting human papillomavirus (HPV) involvement in oral squamous cell carcinogenesis. Syrjänen K, et al. **Int J Oral Surg** 1983 Dec;12(6):418–24

Persistent infection and transformation of mouse glial cultures by K virus, a murine papovavirus. Greenlee JE, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1253–8

The types of mouse brain cells susceptible to polyoma virus infection in vitro. McCance DJ. **J Gen Virol** 1984 Jan;65 (Pt 1):221–6

The generation of macrophage-like cell lines by transfection with SV40 origin defective DNA. Schwarzbaum S, et al. **J Immunol** 1984 Mar;132(3):1158–62

Presence of human papillomavirus in genital tumors. Gissmann L, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):26s–28s (23 ref.)

Clinical observations, virologic studies, and treatment trials in patients with epidermodysplasia verruciformis, a disease induced by specific human papillomaviruses. Lutzner MA, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):18s–25s

Benign and malignant disease caused by EBV. Wolf H, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):88s–95s (44 ref.)

Transcriptional organization of bovine papillomavirus type 1. Engel LW, et al. **J Virol** 1983 Sep;47(3):516–28

Physical state and transcription of the cottontail rabbit papillomavirus genome in warts and transplantable VX2 and VX7 carcinomas of domestic rabbits. Georges E, et al. **J Virol** 1984 Aug;51(2):530–8

Differences exist between viral transcripts in cottontail rabbit papillomavirus-induced benign and malignant tumors as well as non-virus-producing and virus-producing tumors. Nasseri M, et al. **J Virol** 1984 Sep;51(3):706–12

Characterization of human papillomavirus type 13 from focal epithelial hyperplasia Heck lesions. Pfister H, et al. **J Virol** 1983 Aug;47(2):363–6

Biologic properties of viable deletion mutants of simian virus 40 (SV40) rescued from the cells of an SV40-induced hamster lymphocytic leukemia. Diamandopoulos GT, et al. **JNCI** 1983 Dec;71(6):1319–26

Current concepts of human papillomavirus infections in the genital tract and their relationship to intraepithelial neoplasia and squamous cell carcinoma. Syrjänen KJ. **Obstet Gynecol Surv** 1984 May;39(5):252–65 (124 ref.)

Regions of the EBV genome involved in latency and lymphocyte immortalization. Miller G. **Prog Med Virol** 1984;30:107–28 (44 ref.)

Viruses in the etiology of human genital cancer. zur Hausen H, et al. **Prog Med Virol** 1984;30:170–86 (93 ref.)

Biology and biochemistry of papillomaviruses. Pfister H. **Rev Physiol Biochem Pharmacol** 1984;99:111–81

Tumorigenic activity of polyoma virus and SV40 DNAs in newborn rodents. Bouchard L, et al. **Virology** 1984 May; 135(1):53–64

Cell lines derived from tumors induced in syngeneic rats by FR 3T3 SV40 transformants no longer synthesize the early viral proteins. de Lapeyriere O, et al. **Virology** 1984 May; 135(1):74–86

An analysis of transformed clones obtained by coinfections with hr-t and ts-a mutants of polyoma virus. Fluck MM, et al. **Virology** 1983 Oct 15;130(1):29–43

JC virus-induced owl monkey glioblastoma cells in culture: biological properties associated with the viral early gene product. Major EO, et al. **Virology** 1984 Jul 30; 136(2):359–67

Integration and methylation of shope papilloma virus DNA in the transplantable Vx2 and Vx7 rabbit carcinomas. Sugawara K, et al. **Virology** 1983 Nov;131(1):88–99

[Epstein–Barr virus in human pathology (excluding infectious mononucleosis)] Clot J. **Rev Med Interne** 1984 Jun; 5(2):105–6 **(Fre)**

[Multiple papilloma virus particles in perianal condylomata acuminata of a drug-dependent patient] Gross G. **Hautarzt** 1984 Feb;35(2):84–7 (Eng. Abstr.) **(Ger)**

[Oncogenic retroviruses (I)] Rupniewska ZM. **Acta Haematol Pol** 1983 Apr–Jun;14(2):129–38 (73 ref.) **(Pol)**

[Occurrence of genetic information of C-type viruses in human leukemia and lymphoma (III)] Rupniewska ZM. **Acta Haematol Pol** 1983 Jul–Dec;14(3–4):241–9 (62 ref.) **(Pol)**

[Carcinogenesis: viruses and transposons] Zhdanov VM. **Vopr Onkol** 1984;30(1):98–104 (47 ref.) **(Rus)**

[Retroviruses and leukemia] Matutes E, et al. **Med Clin (Barc)** 1984 Mar 17;82(10):448–50 **(Spa)**

[Epidemiological and clinical features of a subtype of T-leukemia/lymphoma associated with a human retrovirus] Pavlovsky S. **Sangre (Barc)** 1984;29(1):47–51 (22 ref.) **(Spa)**

PATHOLOGY

The story of a cell. The George N. Papanicolaou Award lecture. Meisels A. **Acta Cytol (Baltimore)** 1983 Nov–Dec; 27(6):584–96 (33 ref.)

Inverted follicular keratosis and human papillomaviruses. Reed RJ, et al. **Am J Dermatopathol** 1983 Oct;5(5):453–65

Genital warts and cervical cancer. V. The tissue basis of colposcopic change. Reid R, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):293–303

Genital warts and cervical cancer. IV. A colposcopic index for differentiating subclinical papillomaviral infection from cervical intraepithelial neoplasia. Reid R, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):815–23

Genital warts and cervical cancer. VI. The relationship between aneuploid and polyploid cervical lesions. Reid R, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):189–99

Strain differences in Shope fibroma virus. An immunopathologic study. Strayer DS, et al. **Am J Pathol** 1984 Aug;116(2):342–58

Decreased colony forming ability of human cells persistently infected with baboon endogenous virus. Brief report. Kamiya S, et al. **Arch Virol** 1983;78(1–2):119–25

Human papillomavirus and cervical lesions. Roy M, et al. **Clin Obstet Gynecol** 1983 Dec;26(4):949–67

Cytoplasmic microtubules of normal and tumor cells of the leopard frog. Temperature effects. McKinnell RG, et al. **Differentiation** 1984;26(3):231–4

Temperature-dependent dissociation of Lucké renal adenocarcinoma cells. Seppanen ED, et al. **Differentiation** 1984;26(3):227–30

Human papillomavirus infection of the uterine cervix: histological appearances in 28 cases identified by immunohistochemical techniques. Dyson JL, et al. **J Clin Pathol** 1984 Feb;37(2):126–30

Papillomavirus invades esophagus, incidence seems to be increasing [news] Goldsmith MF. **JAMA** 1984 May 4; 251(17):2185–7

Human papillomavirus infection and cervical intraepithelial neoplasia: histopathology and DNA content. Fujii T, et al. **Obstet Gynecol** 1984 Jan;63(1):99–104

Human papillomavirus (HPV) venereal infections and gynecologic cancer. Meisels A, et al. **Pathol Annu** 1983;18 Pt 2:277–93 (87 ref.)

[Koilocytic dysplasia of the cervix uteri] Karag'ozov I, et al. **Akush Ginekol (Sofiia)** 1984;23(1):66–71 (Eng. Abstr.) **(Bul)**

[Condylomatous lesions of the uterine cervix: their course in 2466 patients] de Brux J, et al. **Bull Cancer (Paris)** 1983; 70(5):410–22 (Eng. Abstr.) **(Fre)**

[Prevalence of herpes simplex and human papilloma: relation and cytologic changes associated with a viral genital infection] Villarmarzo G, et al. **Bol Asoc Med PR** 1984 Mar;76(3):93–5 **(Spa)**

PHYSIOPATHOLOGY

Naturally occurring retroviruses (RNA tumor viruses). II (Continued). Hardy WD Jr. **Cancer Invest** 1983;1(4):333–43 (197 ref.)

PREVENTION & CONTROL

The Leeuwenhoek lecture, 1983. A prototype vaccine to prevent Epstein–Barr virus-associated tumours. Epstein MA. **Proc R Soc Lond [Biol]** 1984 Mar 22;221(1222):1–20 (133 ref.)

Nasopharyngeal carcinoma: can antiviral interventions be contemplated to prevent this cancer? de-Thé G, et al. **Prog Clin Biol Res** 1983;132B:37–47

THERAPY

Epidermodysplasia verruciformis: response to therapy with dialyzable leukocyte extract (transfer factor) derived from household contacts. Vasily DB, et al. **J Clin Lab Immunol** 1984 May;14(1):49–57

Bowenoid dysplasia in human papillomavirus–16 DNA positive flat condylomas during interferon–beta treatment [letter] **Lancet** 1984 Jun 30;1(8392):1467–8

TRANSMISSION

Adult T-cell leukaemia virus. Meischke HR. **Aust Vet J** 1983 Oct;60(10):315–6

Sexual behaviour of women with human papillomavirus (HPV) lesions of the uterine cervix. Syrjänen K, et al. **Br J Vener Dis** 1984 Aug;60(4):243–8

Cervical papillomavirus infection and intraepithelial neoplasia: a study of male sexual partners. Levine RU, et al. **Obstet Gynecol** 1984 Jul;64(1):16–20

[Etiological aspects of leukemias in primates including man] Lapin BA, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):14–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Human papillomavirus lesions in association with cervical dysplasias and neoplasias. Syrjänen KJ. **Obstet Gynecol** 1983 Nov;62(5):617–24

VETERINARY

Avian lymphoproliferative diseases and their virus associations. Perk K. **Adv Vet Sci Comp Med** 1983; 27:325–46 (98 ref.)

Epidermal hyperplasias of northern pike (Esox lucius) associated with herpesvirus and C-type particles. Yamamoto T, et al. **Arch Virol** 1984;79(3–4):255–72

Papillomaviruses with unusual restriction endonuclease profiles from bovine skin warts. Spradbrow PB, et al. **Aust Vet J** 1983 Aug;60(8):259–60

Pathogenesis of reticuloendotheliosis virus infection in ducks. Li J, et al. **Avian Dis** 1983 Oct–Dec;27(4):1090–105

Papilloma-like virus infection in an African gray parrot. Jacobson ER, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1307–8

Alimentary fibropapilloma in cattle: a spontaneous tumor, nonpermissive for papillomavirus replication. Jarrett WF, et al. **JNCI** 1984 Aug;73(2):499–504

Influence of reticuloendotheliosis on the severity of Eimeria tenella infection in broiler chickens. Motha MX, et al. **Vet Microbiol** 1984 Apr;9(2):121–9

A novel bovine papillomavirus (BPV–6) causing true epithelial papillomas of the mammary gland skin: a member of a proposed new BPV subgroup. Jarrett WF, et al. **Virology** 1984 Jul 30;136(2):255–64

[Study of virus-associated lymphomas in primates using a model of malignant lymphoma of the baboon] Lapin BA, et al. **Vopr Onkol** 1983;29(12):61–6 (Eng. Abstr.) **(Rus)**

TUMOR VIRUSES see **ONCOGENIC VIRUSES**

TUMORS see **NEOPLASMS**

TUNA see under **FISHES**

TUNGSTEN

PHARMACODYNAMICS

Correlation between structure of polyoxotungstates and their inhibitory activity on polymerases. Herve M, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):222–9

Effect of oxyanions of the early transition metals on rabbit skeletal muscle phosphorylase. Soman G, et al. **Biochemistry** 1983 Oct 11;22(21):4994–5000

Epileptogenic action of tungstic acid gel on cat lumbar motoneurons. Schwindt PC, et al. **Brain Res** 1984 Jan 16; 291(1):140–4

Modulation by the polyoxotungstate HPA–23 of Epstein–Barr virus early antigen expression in Raji cells treated with iododeoxyuridine. Souyri–Caporale M, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):831–5

POISONING

Automated characterization of particles extracted from human lungs: three cases of tungsten carbide exposure. Stettler LE, et al. **Scan Electron Microsc** 1983;(Pt 1):439–48

[Diffuse interstitial pneumopathy related to tungsten carbide, confirmed by bronchoalveolar lavage, and responding to corticotherapy] Pelletier A, et al. **Rev Pneumol Clin** 1984; 40(2):131–4 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

The antiviral compound HPA–23 can prevent scrapie when administered at the time of infection. Kimberlin RH, et al. **Arch Virol** 1983;78(1–2):9–18

TOXICITY

[Hygienic evaluation of wolfram as an atmospheric pollutant] Voronov VP. **Gig Sanit** 1983 Jul;(7):71–2 **(Rus)**

TUNICAMYCIN see under **GLUCOSAMINE**

TUNICATA see **UROCHORDATA**

TUPAIA see under **TUPAIIDAE**

TUPAIIDAE

ANATOMY & HISTOLOGY

Comparison of accessory olfactory bulb volumes in the common tree shrew (Tupaia glis). Frahm HD, et al. **Acta Anat (Basel)** 1984;119(3):129–35

Olivocerebellar projections to paramedian lobule in tree shrew (Tupaia glis): a horseradish peroxidase study. Whitworth RH Jr, et al. **Brain Res** 1984 Jul 9;305(2):271–82

Projections from the superior olivary complex to the cochlear nucleus in the tree shrew. Covey E, et al. **J Comp Neurol** 1984 Jun 20;226(2):289–305

The laminar organization of the lateral geniculate body and the striate cortex in the tree shrew (Tupaia glis). Conley M, et al. **J Neurosci** 1984 Jan;4(1):171–97

GROWTH & DEVELOPMENT

The role of retinogeniculate afferents in the development of connections between visual cortex and the dorsal lateral geniculate nucleus. Brunso–Bechtold JK, et al. **Brain Res** 1983 Oct;312(1):33–9

MICROBIOLOGY

Tupaia (tree shrew) adenovirus DNA: sequence of the left–hand fragment corresponding to the transforming early region of human adenoviruses. Brinckmann U, et al. **EMBO J** 1983;2(12):2185–8

The nucleotide sequence of the inverted terminal repetition of the tree shrew adenovirus DNA. Brinckmann U, et al. **Gene** 1983 Sep;24(1):131–5

PARASITOLOGY

Louse infestations of tree shrews (Tupaia glis). Durden LA, et al. **Lab Anim Sci** 1984 Apr;34(2):188–90

PHYSIOLOGY

Influence of stress on adrenocortical function in the male tree shrew (Tupaia belangeri). Collins PM, et al. **Gen Comp Endocrinol** 1984 Sep;55(3):450–7

TUPAIINAE see **TUPAIIDAE**

TURBELLARIA

Vomiting of land planarians (Turbellaria: Tricladida: Terricola) ingested by cats. Winsor L. **Aust Vet J** 1983 Sep;60(9):282–3

DRUG EFFECTS

Phylogenetic changes in sensitivity to Anemonia sulcata toxin (ATX II), and impact of first interaction with the toxin (imprinting) on later response to it. Csaba G, et al. **Comp Biochem Physiol [C]** 1984;77(1):153–5

METABOLISM

Effect of repeated treatments with sympathomimetic drugs on planarian glucose metabolism. Csaba G, et al. **Acta Physiol Hung** 1983;61(3):141–5

PHYSIOLOGY

Planarian regeneration: in vivo and in vitro effects of calcium and calmodulin on DNA synthesis. Martelly I, et al. **Cell Differ** 1983 Sep;13(1):25–34

Epidermal cell migration during wound healing in Dugesia lugubris. Observations based on scanning electron microscopy and treatment with cytochalasin. Pascolini R, et al. **Cell Tissue Res** 1984;236(2):345–9

TURBIDIMETRY see **NEPHELOMETRY AND TURBIDIMETRY**

TURBINATES

Complete endotracheal tube obstruction after nasotracheal intubation [letter] Mayumi T, et al. **Can Anaesth Soc J** 1984 May;31(3 Pt 1):344–5

Corticosteroids in otolaryngology: intraturbinal injection. Mabry RL. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):717–20 (15 ref.)

Pathogenesis of atrophic rhinitis in pigs: a new perspective. Rutter JM, et al. **Vet Rec** 1984 Jan 28;114(4):89–90

MICROBIOLOGY

Morphologic features, structure, and adherence to bovine turbinate cells of three haemophilus somnus variants. Ward GE, et al. **Am J Vet Res** 1984 Feb;45(2):336–8

PATHOLOGY

Bilateral nasal glandular cysts: an occasional finding in rhinoplasty. Mahler D, et al. **Aesthetic Plast Surg** 1984; 8(2):119–21

Prevalence of turbinate atrophy in slaughtered pigs: an abattoir survey. Webster WR, et al. **Aust Vet J** 1983 Aug; 60(8):252–3

Atrophic rhinitis: snout morphometry for quantitative assessment of conchal atrophy. Done JT, et al. **Vet Rec** 1984 Jan 14;114(2):33–5

[Osteomyelitis of the turbinates and its significance in chronic sinusitis] Tolsdorff P. **HNO** 1983 Sep;31(9):314–9 (Eng. Abstr.) **(Ger)**

[Otorhinolaryngologist's procedure in combined nasal septal deformation with hypertrophy of the conchae nasales] Protasevich GS. **Vestn Otorinolaringol** 1983 Jul–Aug; (4):46–9 (Eng. Abstr.) **(Rus)**

SURGERY

Nasal turbinate resection for relief of nasal obstruction [letter] Drumheller GH. **Laryngoscope** 1983 Nov;93(11 Pt 1):1489–90

Partial turbinectomy. Feder RJ. **Laryngoscope** 1984 Feb;94(2 Pt 1):259–60

Resection of obstructing inferior turbinates: a 6–year follow–up. Courtiss EH, et al. **Plast Reconstr Surg** 1983 Dec;72(6):913

Inferior turbinate surgery: an adjunct to successful treatment of nasal obstruction in 408 patients. Pollock RA, et al. **Plast Reconstr Surg** 1984 Aug;74(2):227–36

Applicator for intranasal avitene. Sturim HS. **Plast Reconstr Surg** 1984 Jul;74(1):133–4

TURKEYS

Attempts at aerosol control in a turkey rearing confinement with negative air ionization. Parker S, et al. **Am Ind Hyg Assoc J** 1983 Dec;44(12):911–5

Scanning electron microscopic studies of adverse effects of ammonia on tracheal tissues of turkeys. Nagaraja KV, et al. **Am J Vet Res** 1983 Aug;44(8):1530–6

Avian mycoplasma infections: prototype of mixed infections with mycoplasmas, bacteria and viruses. Bradbury JM. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):83–9

Progression of tracheal lesions in turkeys exposed by aerosol to LaSota strain of Newcastle disease virus. Abdul–Aziz TA, et al. **Avian Dis** 1983 Oct–Dec;27(4):1131–41

Pathology of the trachea in turkeys exposed by aerosol to lentogenic strains of Newcastle disease virus. Abdul–Aziz TA, et al. **Avian Dis** 1983 Oct–Dec;27(4):1002–11

Changes in carotenoid and vitamin A levels in young turkeys infected with Eimeria meleagrimitis or E. adenoeides. Augustine PC, et al. **Avian Dis** 1983 Oct–Dec;27(4):963–71

Delayed T–cell maturation and suppression of mitogen–induced blastogenesis in turkey poults fed cortisone acetate and furazolidone. Czarnecki CM, et al. **Avian Dis** 1983 Oct–Dec;27(4):1051–9

Effective control of a gentamicin–resistant Salmonella arizonae infection in turkey poults. Ekperigin HE, et al. **Avian Dis** 1983 Jul–Sep;27(3):822–9

Chronic cholera–like lesions caused by Moraxella osloensis. Emerson FG, et al. **Avian Dis** 1983 Jul–Sep;27(3):836–8

In vitro cytotoxicity of an Alcaligenes faecalis and its relationship in in vivo tracheal pathologic changes in turkeys. Gray JG, et al. **Avian Dis** 1983 Oct–Dec; 27(4):1142–50

Mycoplasma gallisepticum (MG)—laboratory and field studies evaluating the safety and efficacy of an inactivated MG bacterin. Hildebrand DG, et al. **Avian Dis** 1983 Jul–Sep;27(3):792–802

Tendon avulsion as a cause of lameness in turkeys. Julian RJ. **Avian Dis** 1984 Jan–Mar;28(1):244–9

Observations on the pathogenicity of Alcaligenes faecalis in chickens. Montgomery RD, et al. **Avian Dis** 1983 Jul–Sep; 27(3):751–61

Evaluation of turkey cecal microflora in protecting day–old poults from Salmonella typhimurium challenge. Reid CR, et al. **Avian Dis** 1983 Jul–Sep;27(3):632–43

Rapid hematogenous dissemination of Aspergillus fumigatus and A. flavus spores in turkey poults following aerosol exposure. Richard JL, et al. **Avian Dis** 1983 Oct–Dec; 27(4):1025–33

Studies on the use of a long–acting oxytetracycline in turkeys: efficacy against experimental infections with Alcaligenes faecalis and Pasteurella multocida. Skeeles JK, et al. **Avian Dis** 1983 Oct–Dec;27(4):.126–30

Effect of lymphoproliferative disease virus and of niridazole on the in vitro blastogenic response of peripheral blood lymphocytes of turkeys. Zimber A, et al. **Avian Dis** 1983 Oct–Dec;27(4):1012–24

The bacterial flora of candling–reject and dead–in–shell turkey eggs. Bruce J, et al. **Br Poult Sci** 1983 Jul; 24(3):391–5

Cardiomyopathy in turkeys. Czarnecki CM. **Comp Biochem Physiol [A]** 1984;77(4):591–8 (52 ref.)

Effects of various degrees of supercooling and nucleation temperatures on fertility of frozen turkey spermatozoa. Zavos PM, et al. **Cryobiology** 1983 Oct;20(5):553–9

Conformational studies on the pancreatic polypeptide hormone family. Glover ID, et al. **Eur J Biochem** 1984 Jul 16;142(2):379–85

The morphology of degenerative hip disease in male breeding turkeys. Duff SR. **J Comp Pathol** 1984 Jan;94(1):127–39

The histopathology of degenerative hip disease in male breeding turkeys. Duff SR. **J Comp Pathol** 1984 Jan; 94(1):115–25

Osteochondrosis dissecans in turkeys. Duff SR. **J Comp Pathol** 1984 Jul;94(3):467–76

Experimental vectors of Haemoproteus meleagridis Levine from wild turkeys in Florida. Atkinson CT, et al. **J Wildl Dis** 1983 Oct;19(4):366–8

Leg deformities: inability to increase severity by increasing body weight of chicks and poults. Cook ME, et al. **Poult Sci** 1984 Apr;63(4):620–7

Beltsville poultry semen extender. 9. Effect of storage temperature on turkey semen held eighteen hours. Giesen AF, et al. **Poult Sci** 1983 Jul;62(7):1305–11

Early expression of hereditary deep pectoral myopathy in turkeys due to forced wing exercise. Harper JA, et al. **Poult Sci** 1983 Dec;62(12):2303–8

Economic evaluation of total confinement and open range turkey production systems in Georgia. Lance GC. **Poult Sci** 1983 Jul;62(7):1142–54

Monoamine oxidase inhibition and furazolidone–induced cardiomyopathy in turkey poults. Powers MD, et al. **Poult Sci** 1983 Sep;62(9):1850–5

Dietary level of fat, calcium, and vitamins A and D3 as contributory factors to rickets in poults. Stevens VI, et al. **Poult Sci** 1983 Oct;62(10):2073–82

Optical characteristics of deep pectoral myopathy in turkey carcasses. Swatland HJ, et al. **Poult Sci** 1984 Feb; 63(2):289–93

Granulomatous ventriculitis of the brain in arizonosis of turkeys. Jortner BS, et al. **Vet Pathol** 1984 Jan;21(1):114–5

Studies on the sequential development and pathogenesis of citrinin mycotoxicosis in turkeys and ducklings. Mehdi NA, et al. **Vet Pathol** 1984 Mar;21(2):216–23

Toxicity of ionophores [letter] **Vet Rec** 1984 Apr 28; 114(17):434

Salinomycin poisoning in turkeys [letter] Horrox NE. **Vet Rec** 1984 Jan 14;114(2):52

Type C botulism in intensively farmed turkeys. Smart JL, et al. **Vet Rec** 1983 Aug 27;113(9):198–200

Salinomycin poisoning in turkeys. Stuart JC. **Vet Rec** 1983 Dec 17;113(25):597

[The effect of the method of adding ethylene glycol to turkey ejaculate on the quality of cryopreserved sperm] Skrobánek P, et al. **Vet Med (Praha)** 1983 Jul;28(7):437–42 (Eng. Abstr.) **(Slo)**

ANATOMY & HISTOLOGY

Testicular weights, ductus deferens semen volumes, and sperm concentration of turkeys with high and low ejaculate volumes. Cecil HC, et al. **Poult Sci** 1984 Jul;63(7):1432–7

Filling rates of the uterovaginal sperm storage glands in the turkey. McIntyre DR, et al. **Poult Sci** 1983 Aug; 62(8):1652–6

The effect of light intensity on turkey poult eye morphology. Siopes TD, et al. **Poult Sci** 1983 Dec;62(12):2486–8

BLOOD

Decreased osmotic fragility of red blood cells of Eimeria adenoeides–infected turkeys. Augustine PC, et al. **Avian Dis** 1984 Apr–Jun;28(2):343–51

Effect of ambient temperature on serum prolactin and luteinizing hormone levels during the reproductive life cycle of the female turkey (Meleagris gallopavo). El Halawani ME, et al. **Biol Reprod** 1984 May;30(4):809–15

Endocrine changes in the incubating and brooding turkey hen. Wentworth BC, et al. **Biol Reprod** 1983 Aug; 29(1):87–92

Blood proteins and amino acids of female breeder turkeys fed on maize–soybean diets supplemented with methionine. Cohen–Parsons M, et al. **Br Poult Sci** 1983 Jul;24(3):287–93

Morphologic demonstration of clathrin–coated pits in frog and turkey erythrocytes. Willingham MC, et al. **Exp Cell Res** 1984 Apr;151(2):573–7

Prolactin and luteinizing hormone levels of prelaying, laying and postlaying turkey hens following central administration of serotonin and peripheral administration of quiparine maleate. Hargis BM, et al. **Gen Comp Endocrinol** 1984 Jul; 55(1):12–9

EMBRYOLOGY

Synthesis of a metallothionein-like protein by developing turkey embryos maintained in long-term, shell-less culture. Richards MP. **J Pediatr Gastroenterol Nutr** 1984; 3(1):128–36

Vital gas exchange and hatchability of turkey eggs at high altitude. Christensen VL, et al. **Poult Sci** 1984 Jul; 63(7):1350–6

A comparison of bone length and bone weight with embryo weight in chondrodystrophic and normal Beltsville small white turkey embryos. Lange A, et al. **Poult Sci** 1984 Mar; 63(3):578–9

GROWTH & DEVELOPMENT

Behavior and growth parameters of large white turkeys as affected by floor space and beak trimming. 1. Males. Denbow DM, et al. **Poult Sci** 1984 Jan;63(1):31–7

Effects of light environment and population density on growth performance of male turkeys. Gill DJ, et al. **Poult Sci** 1984 Jul;63(7):1314–21

The amino acid requirements of growing turkeys. 1. Model construction and parameter estimation. Hurwitz S, et al. **Poult Sci** 1983 Nov;62(11):2208–17

The effect of light intensity on the growth performance of male turkeys. Siopes TD, et al. **Poult Sci** 1983 Dec; 62(12):2336–42

IMMUNOLOGY

Effect of ammonia on the quantitative clearance of Escherichia coli from lungs, air sacs, and livers of turkeys aerosol vaccinated against Escherichia coli. Nagaraja KV, et al. **Am J Vet Res** 1984 Feb;45(2):392–5

Experimental infection of turkeys with infectious bursal disease virus and the effect on the immunocompetence of infected turkeys. Chui CH, et al. **Avian Dis** 1984 Jan–Mar; 28(1):197–207

Efficacy and safety of a cell-culture live virus vaccine for hemorrhagic enteritis of turkeys: laboratory studies. Fadly AM, et al. **Avian Dis** 1984 Jan–Mar;28(1):183–96

Comparison of the hemagglutination-inhibition test with the constant-virus diluting-serum microneutralization test for detecting antibody to avian infectious bronchitis virus. Hatcher JA, et al. **Avian Dis** 1983 Oct–Dec;27(4):1157–61

Failure of two serotype II infectious bursal disease viruses to affect the humoral immune response of turkeys. Jackwood DJ, et al. **Avian Dis** 1984 Jan–Mar;28(1):100–16

Antibody response of turkeys to clinical infection with Salmonella typhimurium. Sári I, et al. **Br Vet J** 1984 Jan–Feb;140(1):70–5

Ontogeny of delayed hypersensitivity in young turkeys. McCorkle FM, et al. **Dev Comp Immunol** 1983 Summer; 7(3):517–24

Anti-sperm antibodies and fertility of turkey hens. McCorkle FM, et al. **J Reprod Immunol** 1983 Nov;5(6):363–70

Serological response of turkey hens to vaccination with Salmonella hadar and its effect on their subsequently challenged embryos and poults. Thain JA, et al. **Res Vet Sci** 1984 May;36(3):320–5

[Serologic studies on the antigen structure of Bordetella avium sp. nov.] Hertle A, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):58–60 (Eng. Abstr.) **(Ger)**

METABOLISM

Myocardial calcium levels in furazolidone-induced cardiomyopathy in turkey poults. Czarnecki CM, et al. **Comp Biochem Physiol [C]** 1983;75(2):207–9

Effect of dietary selenium on the metabolism of aflatoxin B1 in turkeys. Gregory JF 3d, et al. **Food Chem Toxicol** 1984 Aug;22(8):637–42

Metabolite distribution and rate of residue clearance in turkeys fed a diet containing aflatoxin B1. Gregory JF 3d, et al. **Food Chem Toxicol** 1983 Aug;21(4):463–7

Turkey muscle acylphosphatase: purification and comparative studies. Camici G, et al. **Ital J Biochem** 1984 Jan–Feb;33(1):1–16

Cellulose digestion by domestic turkeys fed low or high fiber diets. Duke GE, et al. **J Nutr** 1984 Jan;114(1):95–102

Effects of feeding cooked ground beef on plasma lipid and apolipoprotein concentrations in male turkeys. Williams JE, et al. **J Nutr** 1983 Nov;113(11):2335–45

Seminal plasma androgen-binding protein activity in turkeys with normal white or abnormal yellow semen. Hess RA, et al. **J Reprod Fertil** 1984 Jul;71(2):403–9

Effect of pH on the metabolism and fertility of turkey spermatozoa. Pinto O, et al. **J Reprod Fertil** 1984 Mar; 70(2):437–42

Metabolism of fowl and turkey spermatozoa at low temperatures. Wishart GJ. **J Reprod Fertil** 1984 Jan; 70(1):145–9

Chloride requirement of the turkey breeder hen. Harms RH, et al. **Poult Sci** 1983 Dec;62(12):2442–4

Effects of supplemental methionine and potassium sulfate on the choline requirement of the turkey poult. Harms RH, et al. **Poult Sci** 1984 Jul;63(7):1464–6

The amino acid requirements of growing turkeys. 2. Experimental validation of model-calculated requirements for sulfur amino acids and lysine. Hurwitz S, et al. **Poult Sci** 1983 Dec;62(12):2387–93

Maintenance nitrogen requirement of the turkey breeder hen with an estimate of associated essential amino acid needs. Moran ET Jr, et al. **Poult Sci** 1983 Sep;62(9):1823–9

Oral absorption of chlortetracycline in turkeys: influence of citric acid and Pasteurella multocida infection. Pollet RA, et al. **Poult Sci** 1984 Jun;63(6):1110–4

Supplementary inorganic sulfate and methionine for young turkeys. Potter LM, et al. **Poult Sci** 1983 Dec; 62(12):2398–402

Methionine, cystine, sodium sulfate, and Fermacto-500 supplementation of practical-type diets for young turkeys. Potter LM, et al. **Poult Sci** 1984 May;63(5):987–92

Two avian luteinizing hormone radioimmunoassay procedures compared by measurement of changes during the ovulatory cycle of turkey and broiler hens. Proudman JA, et al. **Poult Sci** 1984 Jun;63(6):1269–75

The effect of age of breeder hen on the levels of vitamins and minerals in turkey eggs. Robel EJ. **Poult Sci** 1983 Sep; 62(9):1751–6

Influence of maternal vitamin D3 carry-over on kidney 25-hydroxyvitamin D3-1-hydroxylase activity of poults. Stevens VI, et al. **Poult Sci** 1984 Apr;63(4):765–74

Bioavailability of phosphorus in commercial phosphate supplements for turkeys. Waibel PE, et al. **Poult Sci** 1984 Apr;63(4):730–7

MICROBIOLOGY

Effect of glutaurine on liver tumour development and acute leukaemia induced by MC29 virus in turkey poults. Nagy K, et al. **Acta Microbiol Hung** 1983;30(1):37–42

Antibiotic resistance of members of the genus Salmonella isolated from chickens, turkeys, cattle, and swine in the United States during October 1981 through September 1982. Blackburn BO, et al. **Am J Vet Res** 1984 Jun; 45(6):1245–9

Evidence for plasmid DNA in Alcaligenes faecalis. Luginbuhl GH, et al. **Am J Vet Res** 1984 Aug;45(8):1679–81

Comparison of media for isolation of poultry intestinal bacteria. Kelley RW. **Appl Environ Microbiol** 1983 Aug; 46(2):421–4

Aspergillosis in turkeys associated with use of contaminated litter. Dyar PM, et al. **Avian Dis** 1984 Jan–Mar;28(1):250–5

R plasmid-mediated gentamicin resistance in salmonellae isolated from turkeys and their environment. Hirsh DC, et al. **Avian Dis** 1983 Jul–Sep;27(3):766–72

Pathogenesis of change in the upper respiratory tracts of turkeys experimentally infected with an Alcaligenes faecalis isolate. Gray JG, et al. **Infect Immun** 1983 Oct;42(1):350–5

Mycoplasma gallisepticum infection in wild-type turkeys living in close contact with domestic fowl. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1245–7

Differentiation of Alcaligenes-like bacteria of avian origin and comparison with Alcaligenes spp. reference strains. Berkhoff HA, et al. **J Clin Microbiol** 1984 Apr;19(4):477–81

Incidence and properties of Staphylococcus aureus associated with turkeys during processing and further-processing operations. Adams BW, et al. **J Hyg (Lond)** 1983 Dec; 91(3):479–90

Effects of the evisceration and cooling processes on the incidence of Salmonella in fresh dressed turkeys grown under Salmonella-controlled and uncontrolled environments. Campbell DF, et al. **Poult Sci** 1984 May; 63(5):1069–72

Marek's disease virus and herpesvirus of turkeys: antigenic aspects. Kato S, et al. **Prog Clin Biol Res** 1983;132B:71–80

Isolation of avian paramyxovirus 2 and 3 from turkeys in Brittany. Andral B, et al. **Vet Rec** 1984 Jun 9;114(23):570–1

Isolation of viruses antigenically related to the swine influenza virus from an outbreak of respiratory disease in turkey farms in Israel. Lipkind M, et al. **Vet Rec** 1984 Apr 28;114(17):426–8

PARASITOLOGY

Eimeria tenella, Eimeria necatrix, and Eimeria adenoeides: peripheral blood leukocyte response of chickens and turkeys to strains adapted to the turkey embryo. Kogut MH, et al. **Exp Parasitol** 1984 Aug;58(1):63–71

Extraintestinal sporozoites of chicken Eimeria in chickens and turkeys. Kogut MH, et al. **Z Parasitenkd** 1984; 70(3):287–95

[Composition of Eimeria in turkeys in Bulgaria] Koinarski V, et al. **Vet Med Nauki** 1984;21(2):63–7 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Influence of selenium on aflatoxin B1 or crotalaria toxicity in turkey poults. Burguera JA, et al. **Am J Vet Res** 1983 Sep;44(9):1714–7

Evidence against a role of prolactin in the timing of ovulation in the turkey. Opel H, et al. **Biol Reprod** 1984 Apr; 30(3):658–64

Effect of a beta-adrenergic antagonist on blood pressure, heart rate and beta-adrenoceptors in turkey poults. Kuenzel WJ, et al. **Comp Biochem Physiol [C]** 1983;76(2):371–5

Serotonergic stimulation of prolactin release in the young turkey (Meleagris gallopavo). Fehrer SC, et al. **Gen Comp Endocrinol** 1983 Dec;52(3):400–8

Effects of estrogen and progesterone on serum prolactin and luteinizing hormone levels in ovariectomized turkeys (Meleagris gallopavo). El Halawani ME, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):57–78

Effects of floor and cage housing of male turkeys on semen production and fertility of fresh and stored semen. Ansah GA, et al. **Poult Sci** 1983 Sep;62(9):1899–901

Influence of genetic increases in egg production on traits associated with broodiness in turkeys. Bacon WL, et al. **Poult Sci** 1983 Dec;62(12):2460–73

Effects of brooding temperature and molybdenum on the turkey poult. Bailey CA, et al. **Poult Sci** 1983 Sep; 62(9):1909–11

Effect of exercise on aortic atherosclerosis and other cardiovascular variables among hyper- and hypotensive turkeys. Bolden SL, et al. **Poult Sci** 1983 Jul;62(7):1287–93

Effect of dietary protein and light restriction on body weight and semen production of breeder male turkeys. Cecil HC. **Poult Sci** 1984 Jun;63(6):1175–83

Addition to semen of a fluid derived from the cloacal region by male turkeys. Fujihara N, et al. **Poult Sci** 1984 Mar; 63(3):544–57

The response of turkey poults to virginiamycin in diets containing various levels of supplemental methionine. Harms RH, et al. **Poult Sci** 1983 Sep;62(9):1896–8

Improved performance of turkey hens from the addition of dietary fat. Harms RH, et al. **Poult Sci** 1983 Nov; 62(11):2283–4

Performance and energy needs of 20-week-old male turkeys at different environmental temperatures. Hurwitz S, et al. **Poult Sci** 1983 Jul;62(7):1327–9

Advanced gonadal development in male turkeys following knife cuts directed to the hypothalamus. Kuenzel WJ, et al. **Poult Sci** 1984 Mar;63(3):568–72

Effect of dietary calcium on blood pressure of turkeys. Lee JC, et al. **Poult Sci** 1984 May;63(5):993–6

Effect of light environment during the adolescent period on subsequent semen volume and concentration of male turkeys. Leighton AT Jr, et al. **Poult Sci** 1984 Apr; 63(4):806–12

Effect of dietary sodium fluoride on growth and bone development in growing turkeys. Nahorniak NA, et al. **Poult Sci** 1983 Oct;62(10):2048–55

Weight loss as related to body composition in aging white turkey hens. Robel EJ. **Poult Sci** 1984 Jun;63(6):1281–3

Role of protein and energy in the regulation of energy metabolism and reproductive performance of large white turkey hens. Rosebrough RW, et al. **Poult Sci** 1983 Dec; 62(12):2452–9

Influence of feeding supplemental fat by age sequence on the performance of growing turkeys. Sell JL, et al. **Poult Sci** 1984 Jun;63(6):1184–9

Maximizing the utilization of the male breeder: a review. Sexton TJ. **Poult Sci** 1983 Aug;62(8):1700–10 (109 ref.)

The effect of high and low intensity cool-white fluorescent lighting on the reproductive performance of turkey breeder hens. Siopes TD. **Poult Sci** 1984 May;63(5):920–6

The effects of light intensity on turkey poult performance, eye morphology, and adrenal weight. Siopes TD, et al. **Poult Sci** 1984 May;63(5):904–9

The effect of full-spectrum fluorescent lighting on reproductive traits of caged turkey hens. Siopes TD. **Poult Sci** 1984 Jun;63(6):1122–8

Recycling turkey hens with low light intensity. Siopes TD. **Poult Sci** 1984 Jul;63(7):1449–52

Effect of intermittent lighting on energy savings and semen characteristics of breeder tom turkeys. Siopes TD. **Poult Sci** 1983 Nov;62(11):2265–70

Effect of pinealectomy on broodiness of turkey hens. Siopes TD. **Poult Sci** 1983 Nov;62(11):2245–8

Fluoride tolerance of the young chick and turkey poult. Suttie JW, et al. **Poult Sci** 1984 Apr;63(4):738–43

TURNER-KIESER SYNDROME see **NAIL-PATELLA SYNDROME**

TURNER'S SYNDROME

Ullrich-Turner's, Shereshevskij-Turner's or Morgagni's syndrome? Ghirardini G. **Clin Exp Obstet Gynecol** 1983; 10(4):213–4

A case of long arm deletion of the X-chromosome in a patient with Turner syndrome. Maximilian C, et al. **Endocrinologie** 1983 Oct–Dec;21(4):279–83

BLOOD

Decreased insulin binding to erythrocytes in subjects with Turner's syndrome. Breyer D, et al. **Acta Paediatr Scand** 1983 Nov;72(6):919–20

Changes of serum protein and immunoglobulins in ovarian agenesis. Hung TC, et al. **Int J Gynaecol Obstet** 1983 Oct; 21(5):403–7

[Disorders in the lipid peroxidation system of the blood neutrophils of patients with the Shereshevskii-Turner syndrome] Davidenkova EF, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):172–3 (Eng. Abstr.) **(Rus)**

[Polyacrylamide gel disc-electrophoresis of serum proteins in patients with Turner's, Klinefelter's and Down's syndromes] Kulakova TA, et al. **Vopr Med Khim** 1984 May–Jun;30(3):132–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Tunnel subaortic stenosis in XO Turner's syndrome. Tommaso CL. et al. **Am J Cardiol** 1984 Jun 1;53(11):1731–2

Turner's syndrome, 46X, del (X) (p 11), persistent complement activation and membranoproliferative glomerulonephritis. Goodyer PR, et al. **Am J Nephrol** 1982; 2(5):272–5

Gonadal tumors in patients with gonadal dysgenesis and sex chromosomal rings and fragments. Nagel T, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):76–82

Gonadoblastoma in a patient with an isodicentric X chromosome. Katayama KP, et al. **Clin Genet** 1983 Nov; 24(5):355–8

Turner's syndrome with sympathoblastoma. Maximilian C, et al. **Endocrinologie** 1983 Jul–Sep;21(3):209–12

Myxomatous degeneration of the mitral valve in a child with Turner syndrome and partial anomalous pulmonary venous return. Lebecque P, et al. **Eur J Pediatr** 1984 Feb; 141(4):228–30

Angiographic demonstration of phlebectasia in a case of Turner's syndrome. Salomonowitz E, et al. **Gastrointest Radiol** 1983;8(3):279–81

Pedal hemangiomas versus vascular ectasia in Turner syndrome [letter] Bushkell LL, et al. **J Pediatr** 1984 Mar; 104(3):486

Epicardial oesophageal duplication with hiatal hernia in a case of Turner's syndrome. Tamburrini O, et al. **Pediatr Radiol** 1983;13(6):342–3

Neck web and congenital heart defects: a pathogenic association in 45 X–O Turner syndrome? Clark EB. **Teratology** '984 Jun;29(3):355–61

[Rapidly destructive coxarthrosis and osteomalacia complicating Turner's syndrome (letter)] Prost A, et al. **Presse Med** 1984 Jul 7;13(28):1745–6 **(Fre)**

[Crohn disease associated with Turner's syndrome (a possible physiopathological mechanism)] Meneghelli UG. **Arq Gastroenterol** 1983 Jan–Mar;20(1):17–9 (Eng. Abstr.) **(Por)**

[Trisomy 13 with Turner's syndrome] Hurgoiu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Jul–Sep; 32(3):235–40 (Eng. Abstr.) **(Rum)**

[Dislocation of the patella in Turner's syndrome] Tikhonov VA, et al. **Ortop Travmatol Protez** 1984 Feb;(2):47–8 **(Rus)**

[Atypical case of Shereshevskiĭ–Turner syndrome associated with Kartagener syndrome] Arzumetova DS, et al. **Probl Endokrinol (Mosk)** 1984 Jan–Feb;30(1):31–2 **(Rus)**

[Therapy of Turner's syndrome with oxandrolone] Vuković D. **Med Pregl** 1983;36(9–10):409–11 (Eng. Abstr.) **(Ser)**

[Turner syndrome caused by deletion of the long arm of the X chromosome associated with adrenogenital syndrome caused by partial deficiency of 21-hydroxylase] del Arbol JL, et al. **Rev Clin Esp** 1983 Oct 15;171(1):67–71 **(Spa)**

DIAGNOSIS

Turner syndrome: spontaneous growth in 150 cases and review of the literature. Ranke MB, et al. **Eur J Pediatr** 1983 Dec;141(2):81–8

Ultrasonographic features of the fetal Turner syndrome. Brown BS, et al. **J Can Assoc Radiol** 1984 Mar;35(1):40–6

Are buccal smears a useful diagnostic test? [letter] Smith A, et al. **Med J Aust** 1984 Jan 7;140(1):55–6

Gonadal and müllerian duct agenesis in a girl with 46,X,i(Xq). De Leon FD, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):81S–83S

Prenatal diagnosis of 45,X/46,XX mosaicism: true mosaicism in only one of four primary cultures. Knight LA, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):143–6

Case of the fall season. Fetal Turner syndrome. Lee J. **Semin Roentgenol** 1983 Oct;18(4):247–9

[Turner's syndrome in childhood] Hoogeboom AJ, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4;128(5):200–5 (Eng. Abstr.) **(Dut)**

DRUG THERAPY

Influence of oestrogen in high and low doses on plasma steroid concentrations in girls with tall stature and Turner syndrome. Zachmann M, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):368–73

Androgen therapy in Turner syndrome [letter] Lippe BM, et al. **J Pediatr** 1984 Sep;105(3):503

A preliminary study of the effect of estrogen dose on growth in Turner's syndrome. Ross JL, et al. **N Engl J Med** 1983 Nov 3;309(18):1104–6

FAMILIAL & GENETIC

Hypoplastic left heart in a patient with 45,X/46,XX/47,XXX mosaicism. Bidot-López P, et al. **Am J Med Genet** 1978; 2(4):341–3

Human cytogenetical case report of Turner's syndrome. Report-I. Mahtab H, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):7–12

Cytogenetic and clinical findings in ten 45,X/46,XY patients. Ayuso MC, et al. **Clin Genet** 1984 Apr;25(4):336–40

Monosomy X associated with fra(17p12) and 22p– [letter] Izakovič V. **Clin Genet** 1984 Aug;26(2):165–6

40 XO/49 XYYYY mosaicism in a male with stigmata of Turner's syndrome. Pincheira JV, et al. **Clin Genet** 1983 Nov;24(5):384–8

Association between the degree of mosaicism and the severity of syndrome in Turner mosaics and Klinefelter mosaics. Sarkar R, et al. **Clin Genet** 1983 Dec;24(6):420–8

X;Y translocation in a female with streak gonads, H-Y-phenotype, and some features of Turner's syndrome. Kelly TE, et al. **Cytogenet Cell Genet** 1984;38(2):122–6

Turners syndrome and its variants. Kyobe J, et al. **East Afr Med J** 1984 Feb;61(2):154–8

X long–arm deletions. A review of non–mosaic cases studied with banding techniques. Skibsted L, et al. **Hum Genet** 1984;67(1):1–5

Excess paternal meiotic errors in Turner syndrome: natural result of ascertainment bias. Vidgoff J. **Hum Genet** 1984; 67(3):347–8

[Cytogenetic study on Turner's syndrome] Chen Y. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):18–22 (Eng. Abstr.) **(Chi)**

[Interphase chromatin in lymphocytes in sex differentiation disorders] Iudina IE, et al. **Biull Eksp Biol Med** 1984 Jan; 97(1):81–3 (Eng. Abstr.) **(Rus)**

[Q- and C-band polymorphism of the chromosomes in a group of patients with the Shereshevskiĭ–Turner syndrome] Tsvetkova TG, et al. **Genetika (Moskva)** 1983 Aug; 19(8):1372–7 (Eng. Abstr.) **(Rus)**

[Mosaicism in Shereshevskiĭ–Turner's syndrome: clinical manifestations and dermatoglyphic characteristics] Egorkina DA, et al. **Sov Med** 1984;(4):43–8 (Eng. Abstr.) **(Rus)**

HISTORY

[The man behind the syndrome: Henry Turner. He established a relationship between short stature and ovarian dysfunction in girls] Lindsten J. **Lakartidningen** 1983 Jul 13;80(28–29):2755 **(Swe)**

IMMUNOLOGY

Oocyte production in a Turner syndrome patient with serologically detectable male antigen. Haseltine FP, et al. **J Reprod Immunol** 1984 Jan;6(1):19–24

METABOLISM

Normal somatomedin–C/insulin–like growth factor I binding and action in cultured human fibroblasts from Turner syndrome. Rosenfeld RG, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):502–9

Alterations of chromium metabolism and effect of chromium supplementation in Turner's syndrome patients. Saner G, et al. **Am J Clin Nutr** 1983 Oct;38(4):574–8

PATHOLOGY

The phenotype of 45,X females: an anthropometric quantification. Varrela J, et al. **Ann Hum Biol** 1984 Jan–Feb;11(1):53–66

[Somatometric profile of female patients with Turner's syndrome and male and female patients with Noonan's syndrome] Guízar-Vázquez JJ, et al. **Bol Med Hosp Infant Mex** 1983 Jul;40(7):367–71 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Adult height in Turner syndrome with and without androgen therapy. Sybert VP. **J Pediatr** 1984 Mar;104(3):365–9

[Incidence and degree of pubertal development in Turner's syndrome] Toublanc JE, et al. **Ann Pediatr (Paris)** 1984 Mar;31(3):237–42 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Cognitive development of unselected girls with complete and partial X monosomy. Bender B, et al. **Pediatrics** 1984 Feb; 73(2):175–82

RADIOGRAPHY

Pituitary abnormalities detected by high resolution computed tomography with thin slices in primary hypothyroidism and Turner syndrome. Nishi Y, et al. **Eur J Pediatr** 1984 Apr;142(1):25–8

[X-ray study on congenital gonadal dysgenesis (Turner's syndrome)] Zhang XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Feb; 5(1):43–6 (Eng. Abstr.) **(Chi)**

SURGERY

Lateral cervical advancement flaps for the correction of webbed–neck deformity. Menick FJ, et al. **Plast Reconstr Surg** 1984 Feb;73(2):223–9

THERAPY

Treatment of congenital anomalies in girls and women. Baramki TA. **J Reprod Med** 1984 Jun;29(6):376–84

TURNER'S SYNDROME, MALE see **NOONAN SYNDROME**

TURPENTINE

Turpentine: an attempt to explain sensitization to this allergen in Spain. Romaguera C, et al. **Contact Dermatitis** 1983 Sep; 9(5):384–6

ADVERSE EFFECTS

[Compartment syndrome in the lower leg following local injections of turpentine oil] Böhnel P. **Zentralbl Chir** 1983; 108(17):1112–3 **(Ger)**

HISTORY

Sampson of the terebinthinates: medical history of turpentine. Haller JS Jr. **South Med J** 1984 Jun;77(6):750–4

TOXICITY

Prostaglandin biosynthesis is not affected by the anti-inflammatory effect of turpentine. Deflandre E, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):179–88

TURTLES

Chemical structure of angiotensin in the turtle, Pseudemys scripta. Hasegawa Y, et al. **Gen Comp Endocrinol** 1984 Jan; 53(1):159–62

Toxicity and efficacy of ivermectin in chelonians. Teare JA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1195–7

A neurilemmal sarcoma in a tortoise (Testudo hermanni). Cooper JE, et al. **J Comp Pathol** 1983 Oct;93(4):541–5

Giant-cell arteritis in a chelonian (Clemmys leprosa). Elkan E. **J Comp Pathol** 1983 Oct;93(4):613–8

Chronic bacterial pneumonia in free–ranging Eastern box turtles (Terrapene carolina carolina). Evans RH. **J Wildl Dis** 1983 Oct;19(4):349–52

Non 0–group 1 Vibrio cholerae infection in a desert tortoise (Gopherus berlanderi). Schmidt RE, et al. **J Wildl Dis** 1983 Oct;19(4):358–9

A restraining apparatus for Chelonians. Rummler G, et al. **Physiol Behav** 1983 Oct;31(4):569–71

A new method for determining peak absorbance of dense pigment samples and its application to the cone oil droplets of Emydoidea blandingii. Lipetz LE. **Vision Res** 1984; 24(6):567–604

Pigment types, densities and concentrations in cone oil droplets of Emydoidea blandingii. Lipetz LE. **Vision Res** 1984;24(6):605–12

ANATOMY & HISTOLOGY

Immunohistochemical demonstration of serotonin neurons in the central nervous system of the turtle (Clemmys japonica). Ueda S, et al. **Anat Embryol (Berl)** 1983; 168(1):1–19

Freeze–fracture study of the turtle lung. 2. Rod–shaped particles in the plasma membrane of a mitochondria–rich pneumocyte in Pseudemys (Chrysemys) scripta. Bartels H, et al. **Cell Tissue Res** 1984;236(2):453–7

A correlative light–, fluorescence– and electron–microscopic study of neuroepithelial bodies in the lung of the red–eared turtle, Pseudemys scripta elegans. Scheuermann DW, et al. **Cell Tissue Res** 1983;234(2):249–69

The retinopetal system in the turtle Pseudemys scripta elegans. Schnyder H, et al. **Cell Tissue Res** 1983; 234(1):219–24

Spinocerebellar projections in the turtle. Observations on their origin and terminal organization. Künzle H. **Exp Brain Res** 1983;53(1):129–41

The ascending connections of the torus semicircularis central nucleus in Chrysemys scripta elegans. Browner RH. **Hear Res** 1983 Oct;12(1):139–43

The characterisation and distribution of cells lining the axillary gland of the adult green turtle (Chelonia mydas L.). Solomon SE. **J Anat** 1984 Mar;138 (Pt 2):267–79

Preganglionic neurons projecting to the first thoracic sympathetic ganglion in the terrapin (Trionyx sinensis). Leong SK, et al. **J Auton Nerv Syst** 1983 Dec;9(4):585–93

Some afferent and efferent connections of the vestibular nuclear complex in the red–eared turtle Pseudemys scripta elegans. Bangma GC, et al. **J Comp Neurol** 1983 Nov 10; 220(4):453–64

The architecture of the spleen of the Red–eared Slider, Chrysemys scripta elegans (Reptilia, Testudines). Kroese FG, et al. **J Morphol** 1982 Sep;173(3):279–84

Morphological study of middle and posterior hypothalamic projections to forebrain in the pond turtle. Nomokonova LM, et al. **Neurosci Behav Physiol** 1984 Jul–Aug; 14(4):282–90

Morphological study of projections from hypothalamic anterior segment to the telencephalon in the pond turtle. Nomokonova LM. **Neurosci Behav Physiol** 1984 Jul–Aug; 14(4):277–81

Three–dimensional reconstruction of a single cone in the turtle retina. Terada S, et al. **Okajimas Folia Anat Jpn** 1983 Aug;60(2–3):125–45

[Connections of the thalamic and telencephalic centers of the auditory system in turtles] Belekhova MG, et al. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):33–42 (Eng. Abstr.) **(Rus)**

[Axospinal synapses in the forebrain cortex of aquatic and terrestrial turtles] Davydova TV, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):33–43 (Eng. Abstr.) **(Rus)**

[Contacts of the basal processes of the visual cone cells in the outer plexiform layer of the sensory membrane of the eyeball in turtles] Davydova TV. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):49–55 (Eng. Abstr.) **(Rus)**

BLOOD

Bohr effect, electron spin resonance spectroscopy and subunit dissociation of the hemoglobin components from the turtle Phrynops hilarii. Reischl E, et al.
Comp Biochem Physiol [B] 1984;78(1):251–7

Oxygen binding and acid base status of the blood from the freshwater turtle, Phrynops hilarii. Reischl E, et al.
Comp Biochem Physiol [B] 1984;78(2):443–6

Effect of chronic cold and submergence on blood oxygen transport in the turtle, Chrysemys picta. Maginniss LA, et al. **Respir Physiol** 1983 Jul;53(1):15–29

EMBRYOLOGY

Morphogenesis of the cranial segments and distribution of neural crest in the embryos of the snapping turtle, Chelydra serpentina. Meier S, et al. **Dev Biol** 1984 Apr;102(2):309–23

IMMUNOLOGY

Surface immunoglobulin on granular and agranular leukocytes in the thymus and spleen of the snapping turtle, Chelydra serpentina. Mead KF, et al.
Dev Comp Immunol 1984 Winter;8(1):109–20

Turtle lymphocyte surface antigens in chelydra serpentina as characterized by rabbit anti-turtle thymocyte sera. Mead KF, et al. **Dev Comp Immunol** 1984 Spring;8(2):351–8

Anti-immunoglobulin induced histamine release from naturally abundant basophils in the snapping turtle, Chelydra serpentina. Sypek JP, et al.
Dev Comp Immunol 1984 Spring;8(2):359–66

METABOLISM

Ammonia transport by the turtle urinary bladder. Arruda JA, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F635–47

Characterization of the renin-angiotensin system in the turtle Pseudemys scripta. Cipolle MD, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R15–23

Potassium transport by turtle colon: active secretion and active absorption. Halm DR, et al. **Am J Physiol** 1984 Mar; 246(3 Pt 1):C315–22

Control of potassium transport by turtle colon: role of membrane potential. Halm DR, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C26–32

Determination of creatine phosphate levels in brain tissue by isocratic reverse-phase, ion-paired high-performance liquid chromatography. McMahon PM, et al.
Anal Biochem 1984 Apr;138(1):252–4

Absence of purinoceptors in the heart of the turtle (Emys orbicularis). Meghji P, et al. **Comp Biochem Physiol [C]** 1983;76(2):255–7

Metabolism of parathion and brain cholinesterase inhibition in aroclor 1254-treated and untreated Caspian terrapin (Mauremys caspica rivulata, Emydidae, Chelonia) in comparison with two species of wild birds. Yawetz A, et al. **Comp Biochem Physiol [C]** 1983;75(2):377–82

The effects of estrogen on skeletal calcium metabolism and on plasma parameters of vitellogenesis in the male, three-toed box turtle (Terrapene carolina triunguis). Magliola L. **Gen Comp Endocrinol** 1984 Apr;54(1):162–70

The substance P-containing striatotegmental path in reptiles: an immunohistochemical study. Brauth SE, et al.
J Comp Neurol 1983 Sep 20;219(3):305–27

The distribution of substance P in turtle nervous system: a radioimmunoassay and immunohistochemical study. Reiner A, et al. **J Comp Neurol** 1984 Jun 10;226(1):50–75

Basolateral potassium channel in turtle colon. Evidence for single-file ion flow. Kirk KL, et al. **J Gen Physiol** 1983 Sep;82(3):297–329

Mechanism of epithelial lithium transport. Evidence for basolateral Na:Na and Na:Li exchange. Kirk KL, et al. **J Gen Physiol** 1983 Oct;82(4):497–510

Acetylation of sulphamethoxazole by fresh water turtles Pseudemys scripta elegans. Vree TB, et al.
J Vet Pharmacol Ther 1983 Sep;6(3):237–40

Intracellular pH of the urinary bladder and red blood cells of the fresh water turtle. Arruda JA, et al.
Miner Electrolyte Metab 1984;10(4):232–8

Somatostatin in the brain of the turtle Testudo hermanni Gmelin. An immunohistochemical mapping study. Weindl A, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:91–100

Metabolic arrest: the most effective means of protecting tissues against hypoxia. Hochachka PW, et al.
Prog Clin Biol Res 1983;136:297–309 (42 ref.)

Intracellular and extracellular acid-base and electrolyte status of submerged anoxic turtles at 3 degrees C. Jackson DC, et al. **Respir Physiol** 1983 Aug;53(2):187–201

Sodium, potassium and chloride intracellular concentrations in the intestine of the freshwater turtle Mauremys caspica. Acevedo M, et al. **Rev Esp Fisiol** 1983 Jun;39(2):123–7

Effect of bicarbonate and furosemide on chloride accumulation by the intestinae of the freshwater turtle Mauremys caspica. Díez de los Ríos A, et al.
Rev Esp Fisiol 1983 Jun;39(2):129–32

Drug dosages for chelonians [letter] Lawrence K.
Vet Rec 1984 Feb 11;114(6):150–1

[Histochemical determination of RNA and protein in the brain during primary sleep in the frog Rana temporaria and during intermediate sleep in the turtle Emys orbicularis] Karmanova IG, et al.
Zh Evol Biokhim Fiziol 1984 May-Jun;20(3):294–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Eradication of Salmonella and Arizona species from turtle hatchlings produced from eggs treated on commercial turtle farms. Siebeling RJ, et al. **Appl Environ Microbiol** 1984 Apr;47(4):658–62

Pet-turtle-associated salmonellosis--Puerto Rico. **MMWR** 1984 Mar 16;33(10):141–2

PARASITOLOGY

Amebiasis in red-footed tortoises. Jacobson E, et al.
J Am Vet Med Assoc 1983 Dec 1;183(11):1192–4

PHYSIOLOGY

Systemic and renal effects of angiotensin II in the freshwater turtle Pseudemys scripta elegans. Brown SR, et al.
Am J Physiol 1983 Dec;245(6):R837–42

Chloride dependence of the HCO3 exit step in urinary acidification by the turtle bladder. Fischer JL, et al.
Am J Physiol 1983 Nov;245(5 Pt 1):F564–8

Distribution of sodium in cellular and luminal compartments of turtle thyroid glands. Yen-Chow YC, et al.
Am J Physiol 1984 May;246(5 Pt 1):E436–43

Different role of opiate mu-, delta-, kappa- and sigma-receptors in modification of habituation of orthodromic evoked potential in the turtle's visual cortex. Pivovarov AS, et al. **Brain Res** 1984 May 23;300(2):257–73

Isolation and characterisation of myoglobin from the fresh water tortoise, Trionyx niloticus. Okotore RO, et al.
Comp Biochem Physiol [B] 1983;76(3):479–82

Characterization of an estrogen receptor in the turtle testis. Mak P, et al. **Gen Comp Endocrinol** 1983 Nov;52(2):182–9

Angiotensin and norepinephrine effects on isolated vascular strips from a reptile. Stephens GA.
Gen Comp Endocrinol 1984 May;54(2):175–80

Bone conduction hearing in turtles. Lenhardt ML.
J Aud Res 1982 Jul;22(3):153–60

Spatial and temporal properties of luminosity horizontal cells in the turtle retina. Tranchina D, et al. **J Gen Physiol** 1983 Nov;82(5):573–98

Effects of sympathomimetic drugs on reptilian atrial muscles. Ojewole JA, et al. **Methods Find Exp Clin Pharmacol** 1984 May;6(5):245–53

Retinal light adaptation--evidence for a feedback mechanism. Tranchina D, et al. **Nature** 1984 Jul 26–Aug 1;310(5975):314–6

Do retinal and spinal projections overlap within the turtle thalamus? Künzle H, et al. **Neuroscience** 1983 Sep; 10(1):161–8

How does the indoleamine production of the pineal gland respond to variations of the environment in a non-mammalian vertebrate, Testudo hermanni Gmelin? Vivien-Roels B, et al. **Psychoneuroendocrinology** 1983; 8(3):327–32

Functional venous admixture in the lungs of the turtle, Chrysemys scripta. Seymour RS. **Respir Physiol** 1983 Jul; 53(1):99–107

Turtle and catfish horizontal cells show different dynamic response. Chappell RL, et al. **Vision Res** 1984;24(2):117–9

The incremental sensitivity curve of turtle cone photoreceptors. Normann RA, et al. **Vision Res** 1983; 23(12):1731–3

[Modulation of the process of habituation by single-component solutions of agonists of opiate mu-, delta-, kappa- and sigma-receptors] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1984 Jan-Feb;34(1):98–106 (Eng. Abstr.) **(Rus)**

[Interaction of various types of opiate receptors of cortical neurons in the turtle during activation by specific agonists] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1984 Mar-Apr; 34(2):317–22 (Eng. Abstr.) **(Rus)**

TWEENS see **POLYSORBATES**

TWIN TRANSFUSION SYNDROME see **FETOFETAL TRANSFUSION**

TWINS

see related
DISEASES IN TWINS

A Hungarian twin study on hand clasping, arm folding and tongue curling. Forrai G, et al. **Acta Biol Hung** 1983; 34(1):99–106

Twin research 4. Proceedings of the Fourth International Congress on Twin Studies. London:28 June–1 July 1983. Part A: Twin biology and obstetrics.
Acta Genet Med Gemellol (Roma) 1984;33(1):1–145

International Society for twin studies.
Acta Genet Med Gemellol (Roma) 1983;32(1):91–5

Twin research abstracts 2.
Acta Genet Med Gemellol (Roma) 1983;32(1):53–88

Neurofibromatosis in monozygotic twins: a case report. Akesson HO, et al. **Acta Genet Med Gemellol (Roma)** 1983; 32(3–4):245–9

A response to Holm. Primary and secondary ascertainment in twin studies [letter] Allen G, et al.
Acta Genet Med Gemellol (Roma) 1983;32(1):49–51

A multivariate genetic analysis of ridge count data from the offspring of monozygotic twins. Cantor RM.
Acta Genet Med Gemellol (Roma) 1983;32(3–4):161–207

Sir Francis Galton, 1822–1911. Corney G.
Acta Genet Med Gemellol (Roma) 1984;33(1):13–8

Congenital anomalies in twins in Aberdeen and Northeast Scotland. Corney G, et al.
Acta Genet Med Gemellol (Roma) 1983;32(1):31–5

Behavioral responses to amphetamines in identical twins. Crabbe JC, et al. **Acta Genet Med Gemellol (Roma)** 1983; 32(2):139–49

Genetic and environmental determinants of 17 serum biochemical traits in Brazilian twins. Dal Colletto GM, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(1):23–9

Situs viscerum specularis in monozygotic twins. Gedda L, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):81–5

Twins living apart test: progress report. Gedda L, et al.
Acta Genet Med Gemellol (Roma) 1983;32(1):17–22

Detecting sex-associated variation with the families of MZ and DZ twins. Haley CS.
Acta Genet Med Gemellol (Roma) 1984;33(2):287–301

A note on ascertainment probability in the Allen/Hrubec twin model. Holm NV.
Acta Genet Med Gemellol (Roma) 1983;32(1):37–47

Multiple birth rates in Japan: further analysis. Imaizumi Y, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(1):107–14

Finnish twins reared apart. II: Validation of zygosity, environmental dissimilarity and weight and height. Langinvainio H, et al.
Acta Genet Med Gemellol (Roma) 1984;33(2):251–8

The Aberdeen contribution to twinning. MacGillivray I.
Acta Genet Med Gemellol (Roma) 1984;33(1):5–11

Determinants of birthweight of twins. MacGillivray I.
Acta Genet Med Gemellol (Roma) 1983;32(2):151–7

Gonadotropin levels in mothers who have had two sets of DZ twins. Martin NG, et al.
Acta Genet Med Gemellol (Roma) 1984;33(1):131–9

Twinning rate by month of mother's birth in Japan. Miura T, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(1):125–30

Quantitative analysis of C-bands in chromosomes 1, 9, 16, and Y of twins. Pedrosa MP, et al.
Acta Genet Med Gemellol (Roma) 1983;32(3–4):257–60

Twinning rates and seasonal changes in Görlitz, Germany, from 1611 to 1860. Richter J, et al.
Acta Genet Med Gemellol (Roma) 1984;33(1):121–4

Nutritional status of Nigerian village twins. Salisu AO, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(3–4):261–3

Genetic and environmental factors in head and face measurements of Belgian twins. Susanne C, et al.
Acta Genet Med Gemellol (Roma) 1983;32(3–4):229–38

Factors contributing to a reduction of twin perinatal mortality in Singapore. TambyRaja RL, et al.
Acta Genet Med Gemellol (Roma) 1984;33(1):27–33

Twins and chronogenetics: correlated pathways of development. Wilson RS.
Acta Genet Med Gemellol (Roma) 1984;33(2):149–57

Health characteristics of mothers of twins. Wyshak G.
Acta Genet Med Gemellol (Roma) 1984;33(1):141–5

A study of twin placentation in Tokyo. Yoshida K, et al.
Acta Genet Med Gemellol (Roma) 1984;33(1):115–20

An unusual case of twin pregnancy. Freeman P, et al.
Acta Obstet Gynecol Scand 1984;63(4):367–8

A new acoustic method for the discrimination of monozygotic and dizygotic twins. Forrai G, et al.
Acta Paediatr Hung 1983;24(4):315–22

Skeletal muscle morphology, metabolism and function in smokers and non-smokers. A study on smoking-discordant monozygous twins. Larsson L, et al.
Acta Physiol Scand 1984 Mar;120(3):343–52

Endocardial fibroelastosis with congenital complete heart block in identical twins. Rios B, et al. **Am Heart J** 1984 Jun;107(6):1290–3

Elevated serum parathyroid hormone, calcitonin, and 1,25-dihydroxyvitamin D in lactating women nursing twins. Greer FR, et al. **Am J Clin Nutr** 1984 Sep; 40(3):562–8

Fetus-in-fetu: report of a case. Chi JG, et al.
Am J Clin Pathol 1984 Jul;82(1):115–9

Estimating dizygotic/monozygotic ratio of twins by general formula. Lee CL, et al. **Am J Clin Pathol** 1984 May; 81(5):654–9

Re: 'Genetic variance of blood pressure levels in infant twins' [letter] Kramer AA. **Am J Epidemiol** 1984 Apr;119(4):651–2

Heritability of quantitative variation at the group-specific component (Gc) locus. Daiger SP, et al.
Am J Hum Genet 1984 May;36(3):663–76

A causal analysis of birth weight in the offspring of monozygotic twins. Nance WE, et al.
Am J Hum Genet 1983 Nov;35(6):1211–23

Thanatophoric dysplasia of identical twins [letter] Serville F, et al. **Am J Med Genet** 1984 Mar;17(3):703–6

Management of breech second twin [letter] Borgatta L.
Am J Obstet Gynecol 1984 Jan 1;148(1):120–1

Is routine cesarean section necessary for vertex-breech and vertex-transverse twin gestations? Chervenak FA, et al.
Am J Obstet Gynecol 1984 Jan 1;148(1):1–5

The Northwestern University multihospital twin study. IV. Duration of gestation according to fetal sex. Newton W, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):655–8

Identical twins with bilateral and unilateral clefts: a 20-year study. Zilberman Z, et al. **Am J Orthod** 1984 Jul;86(1):14–24

A family study of anthropometric traits in a Punjabi community: II. An investigation of familial transmission. Byard PJ, et al. **Am J Phys Anthropol** 1984 Jun;64(2):97–104

Asymmetry in monozygotic twins [letter] Yager J.

Am J Psychiatry 1984 May;141(5):719–20

Chemical and behavioral control of breathing in adult twins. Kawakami Y, et al. **Am Rev Respir Dis** 1984 May; 129(5):703–7

New evidence for monozygotic twins in the mouse: twinning initiated in the late blastocyst can account for mirror image asymmetries. Runner MN. **Anat Rec** 1984 Jul; 209(3):399–406

The effects of inheritance on constituents of plasma: a twin study on some biochemical variables. Whitfield JB, et al. **Ann Clin Biochem** 1984 May;21 (Pt 3):176–83

Lung function in an Australian population: contributions of polygenic factors and the Pi locus to individual differences in lung function in a sample of twins. Gibson JB, et al. **Ann Hum Biol** 1983 Nov–Dec;10(6):547–56

Genetic and environmental determinants of the cardio–respiratory response to submaximal exercise—a six–year follow–up study of twins. Kagamimori S, et al. **Ann Hum Biol** 1984 Jan–Feb;11(1):29–38

Excessive twinning in a rural American genealogy. Sheets JW. **Ann Hum Biol** 1984 May–Jun;11(3):257–9

Atropine toxicity in identical twins. Sanitato JJ, et al. **Ann Ophthalmol** 1983 Apr;15(4):380–2

Lichen planus in monozygotic twins [letter] Gibstine CF, et al. **Arch Dermatol** 1984 May;120(5):580

Relationships in sleep characteristics of identical and fraternal twins. Webb WB, et al. **Arch Gen Psychiatry** 1983 Oct; 40(10):1093–5

Focal cerebral ischemia and mitral valve prolapse in monozygotic twins. Fisher M, et al. **Arch Intern Med** 1983 Nov;143(11):2180–1

Zygosity diagnosis of twins in medical research [letter] Segal NL, et al. **Arch Intern Med** 1984 Jul;144(7):1505, 1509

Handedness in determination of twin types [letter] Segal NL. **Arch Neurol** 1984 Jan;41(1):14

Genetic, hormonal, and immune studies in a pair of identical twin boys discordant for lupus. Schroeder JL, et al. **Arthritis Rheum** 1983 Nov;26(11):1399–404

Plasma lipids in twins. Environmental and genetic influences. Whitfield JB, et al. **Atherosclerosis** 1983 Sep;48(3):265–77

Bone marrow transplantation from identical twins in the treatment of aplastic anaemia: implication for the pathogenesis of the disease. Champlin RE, et al. **Br J Haematol** 1984 Mar;56(3):455–63

Male twins at birth and 18 years later. Nilsen ST, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):122–7

Umbilical artery concentrations of androstenedione increased in early labour in the leading twin fetus. Norman RJ, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):776–80

Royal twins. Dewhurst J. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1937–9

Dizygotic twinning, cryptorchism, and seminoma in a sibship. Anderson KC, et al. **Cancer** 1984 Jan 15;53(2):374–6

Ovarian dysplasia. A study of identical twins. Gusberg SB, et al. **Cancer** 1984 Jul 1;54(1):1–4

Monoclonal antibody phenotyping of interindividual differences in cytochrome P–450–dependent reactions of single and twin human placenta. Fujino T, et al. **Cancer Res** 1984 Sep;44(9):3916–23

Urinary glucuronidase and arylsulfatases in identical twins of bladder cancer patients. Paigen B, et al. **Cancer Res** 1984 Aug;44(8):3624–6

Causes of variation in birth weight: a study of offspring of twins. Magnus P. **Clin Genet** 1984 Jan;25(1):15–24

Predicting zygosity in Norwegian twin pairs born 1915–1960. Magnus P, et al. **Clin Genet** 1983 Aug;24(2):103–12

Do the MN and Jk systems influence environmental variability in serum lipid levels? Martin NG, et al. **Clin Genet** 1983 Jul;24(1):1–14

Identification from radiographs. Healey T. **Clin Radiol** 1983 Sep;34(5):589–92

Procidentia in identical twins. Report of cases and analysis of treatment options. Stewart JR, et al. **Dis Colon Rectum** 1984 Sep;27(9):608–12

Site–specific, simultaneous presentation of colonic carcinoma in identical twins. Winkler H, et al. **Dis Colon Rectum** 1983 May;26(5):344–6

Twins and their birth sizes in a Nigerian community. Oni GA. **East Afr Med J** 1983 Jul;60(7):492–7

A survey of 43 twin deliveries at Bagamoyo District Hospital—Tanzania. Tengio FU. **East Afr Med J** 1983 Sep; 60(9):622–5

Nature versus nurture in dento–facial variation. Lundström A. **Eur J Orthod** 1984 May;6(2):77–91

Pigmented naevi after therapy of leukaemia (ALL) in a monozygotic twin [letter] Heyne K, et al. **Eur J Pediatr** 1984 Apr;142(1):70

Pituitary–ovarian function in mothers who have had two sets of dizygotic twins. Martin NG, et al. **Fertil Steril** 1984 Jun; 41(6):878–80

Monozygotic twins from in vitro fertilization. Yovich JL, et al. **Fertil Steril** 1984 Jun;41(6):833–7

Fertilization and cleavage of oocytes from a binovular human ovarian follicle: a possible cause of dizygotic twinning and chimerism. Zeilmaker GH, et al. **Fertil Steril** 1983 Dec; 40(6):841–3

Monozygotic vs. dizygotic twin behavior in artificial mouse twins. Baunack E, et al. **Genetics** 1984 Mar;106(3):463–77

A study of lactose absorption capacity in twins. Métneki J, et al. **Hum Genet** 1984;67(3):296–300

Y–dependent polypeptides identified by two–dimensional gel electrophoresis of monozygotic X0 and XY fibroblasts. Müller U, et al. **Hum Genet** 1984;67(1):108–10

A genetic component of the variance of N–acetoxy–2–acetylaminofluorene–induced DNA damage in mononuclear leukocytes determined by a twin study. Pero RW, et al. **Hum Genet** 1983;65(2):181–4

Chimeric twins. T.S. and M.R. reexamined. Hansen HE, et al. **Hum Hered** 1984;34(2):127–30

Intrauterine growth of twins. Bhargava V, et al. **Indian Pediatr** 1983 Jun;20(6):401–7

Monozygotic twinning and sirenomelia. Raghavan KR, et al. **Indian Pediatr** 1983 Apr;20(4):308–9

Alopecia universalis in identical twins. Cole GW, et al. **Int J Dermatol** 1984 May;23(4):283

Relative birth weight in twins. Nnatu S, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):377–80

Attention deficit disorder in three pairs of monozygotic twins: a case report. Heffron WA, et al. **J Am Acad Child Psychiatry** 1984 May;23(3):299–301

Airway response to inhaled methacholine in healthy nonsmoking twins. Zamel N, et al. **J Appl Physiol** 1984 Apr;56(4):936–9

Differences in protocols of craniofacial development related to twinship and zygosity. Boklage CE. **J Craniofac Genet Dev Biol** 1984;4(2):151–69

Microscopical discrimination of twins' head hair. Bisbing RE, et al. **J Forensic Sci** 1984 Jul;29(3):780–6

Cleft hand and central polydactyly in identical twins: a case report. Manske PR. **J Hand Surg** 1983 Nov;8(6):906–8

Concordant monozygotic twins with bilateral renal agenesis. Yates JR, et al. **J Med Genet** 1984 Feb;21(1):66–7

Discordant Hirschsprung's disease in monozygotic twins. Siplovich L, et al. **J Pediatr Surg** 1983 Oct;18(5):639–40

Congenital diaphragmatic hernia in identical twins. Watanatittan S. **J Pediatr Surg** 1983 Oct;18(5):628–9

Is routine hospitalization needed in antenatal care of twin pregnancy? Hartikainen–Sorri AL, et al. **J Perinat Med** 1984;12(1):31–4

Production of monozygotic (identical) horse twins by embryo micromanipulation. Allen WR, et al. **J Reprod Fertil** 1984 Jul;71(2):607–13

Production of monozygotic mouse twins from microsurgically bisected morulae. Nagashima H, et al. **J Reprod Fertil** 1984 Jan;70(1):357–62

Production of identical twins by bisection of blastocysts in the cow. Ozil JP. **J Reprod Fertil** 1983 Nov;69(2):463–8

Prenatal sonographic detection of congenital mesoblastic nephroma in a monozygotic twin pregnancy. Ehman RL, et al. **J Ultrasound Med** 1983 Dec;2(12):555–7

Entangled umbilical cords: a sign of monoamniotic twins. Nyberg DA, et al. **J Ultrasound Med** 1984 Jan;3(1):29–32

Landmark article Jan 28, 1956: Successful homotransplantation of the human kidney between identical twins. By John P. Merrill, Joseph E. Murray, J. Hartwell Harrison, and Warren R. Guild. **JAMA** 1984 May 18;251(19):2566–71

Landmark perspective: The landmark identical twin case. Starzl TE. **JAMA** 1984 May 18;251(19):2572–3

Increased cerebral ventricular volume in monozygotic twins discordant for alcoholism. Gurling HM, et al. **Lancet** 1984 May 5;1(8384):986–8

Increased deaths due to endocrine system diseases and allergies among mothers of dizygotic twins. Wyshak G, et al. **Metabolism** 1984 Apr;33(4):375–8

Harlequin fetus in twins. Abramson A, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):290–1

The study of human twins in medical research. Hrubec Z, et al. **N Engl J Med** 1984 Feb 16;310(7):435–41 (117 ref.)

Twins [letter] James WH. **N Engl J Med** 1984 Jul 5;311(1):58

Prolongation of a preterm pregnancy complicated by death of a single twin in utero and disseminated intravascular coagulation. Effects of treatment with heparin. Romero R, et al. **N Engl J Med** 1984 Mar 22;310(12):772–4

Evaluation of nonstress fetal heart rate testing in multiple gestations. Blake GD, et al. **Obstet Gynecol** 1984 Apr; 63(4):528–32

Multiple gestation: time interval between delivery of the first and second twins. Rayburn WF, et al. **Obstet Gynecol** 1984 Apr;63(4):502–6

Diminished biparietal diameter and abdominal circumference growth in twins. Socol ML, et al. **Obstet Gynecol** 1984 Aug;64(2):235–8

Bilateral macrostomia in one of monozygotic twins. Hartsfield JK Jr, et al. **Oral Surg** 1984 Jun;57(6):648–51

Congenital hydranencephaly/porencephaly due to vascular disruption in monozygotic twins. Jung JH, et al. **Pediatrics** 1984 Apr;73(4):467–9

Gastroschisis in a case of dizygotic twins: the possible role of maternal alcohol consumption. Sarda P, et al. **Pediatrics** 1984 Jul;74(1):94–6

Prenatal diagnosis of pericentric inversion of chromosome No. 17 in a twin pregnancy. Kassam G, et al. **Prenat Diagn** 1984 May–Jun;4(3):213–6

3H–imipramine binding in human platelets: a study in normal twins. Friedl W, et al. **Psychiatry Res** 1984 Apr; 11(4):279–85

Behavioral, physiological, and neuroendocrine responses to arecoline in normal twins and 'well state' bipolar patients. Nurnberger JI Jr, et al. **Psychiatry Res** 1983 Jul; 9(3):191–200

Genetic and environmental influence on inspiratory resistive load detection. Kawakami Y, et al. **Respiration** 1984; 45(2):100–10

Adrenal sensitivity to adrenocorticotrophin in twin neonates—effect of birth order and growth retardation. Norman RJ, et al. **S Afr Med J** 1984 Jul 21;66(3):90–2

The end of the decline in twinning rates? [letter] Olsen J, et al. **Scand J Soc Med** 1983;11(3):119

VA to study twins [news] Holden C. **Science** 1984 Mar 16; 223(4641):1157

The developmental pathogenesis of structural defects: the contribution of monozygotic twins. Jones KL, et al. **Semin Perinatol** 1983 Oct;7(4):239–43

Genetic and environmental determination of human sleep. Partinen M, et al. **Sleep** 1983;6(3):179–85

Four–vessel umbilical cord without congenital abnormalities [letter] Rodriguez MA. **South Med J** 1984 Apr;77(4):539

Pulmonary artery sling in identical twins—report of two cases. Westaby S, et al. **Thorac Cardiovasc Surg** 1984 Jun; 32(3):182–3

Renal transplant with great difficulty in proving monozygosity between donor and recipient [letter] Ihle BU, et al. **Transplantation** 1984 Aug;38(2):199–200

Production of monozygotic twins by micromanipulation and cervical transfer in the cow. Ozil JP, et al. **Vet Rec** 1982 Feb 6;110(6):126–7

The Ale–Calo syndrome in monozygotic twins associated with bilateral cryptorchidism—case report. Keret D, et al. **Z Kinderchir** 1984 Apr;39(2):145–6

[A surgical solution to the collision of dizygotic twins and their condition 4 months after birth] Zmrhal J, et al. **Cesk Gynekol** 1983 Apr;48(3):208–12 **(Cze)**

[The structure of the occurrence of rapid eye movements in paradoxical sleep is similar in homozygotic twins] Chouvet G, et al. **C R Seances Acad Sci [III]** 1983; 296(22):1063–8 (Eng. Abstr.) **(Fre)**

[Twin pregnancies: incidence, fetal development and perinatal mortality] Khrouf N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):619–23 (Eng. Abstr.) **(Fre)**

[Twins] Manouvrier–Hanu S. **LARC Med** 1983 Oct; 3(8):561–70 **(Fre)**

[Contribution on the familial occurrence of malignant testicular tumors] Kleinteich B, et al. **Arch Geschwulstforsch** 1983;53(4):357–61 (Eng. Abstr.) **(Ger)**

[Production of monozygotic bovine twins at the embryo transfer station of the Lower Saxony Cattle Breeding Center in Nückel–Bremerhaven] Dankowski K, et al. **DTW** 1983 Oct 6;90(10):414–8 (Eng. Abstr.) **(Ger)**

[Twin pregnancy—a special problem of modern obstetric medicine] Krause W, et al. **Geburtshilfe Frauenheilkd** 1984 Mar;44(3):157–61 (Eng. Abstr.) **(Ger)**

[Cerclage and tocolysis in twin pregnancies] Künsch U, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):249–51 (Eng. Abstr.) **(Ger)**

[The problem of evaluating somatic parameters in twins] Miller EC, et al. **Padiatr Grenzgeb** 1984;23(2):71–7 (Eng. Abstr.) **(Ger)**

[Fetus amorphus] Hey A. **Pathologe** 1984 Mar;5(2):106–9 **(Ger)**

[Inheritance of uterus abnormalities. Monozygotic twins with uterus abnormality] Ghirardini G, et al. **Zentralbl Gynakol** 1983;105(24):1597–9 (Eng. Abstr.) **(Ger)**

[Management of twin pregnancy with different development] Voigt R, et al. **Zentralbl Gynakol** 1984;106(1):60–4 (Eng. Abstr.) **(Ger)**

[Intrauterine death of one of the fetuses in the course of twin pregnancy] Garofalo S, et al. **Minerva Ginecol** 1983 Sep; 35(9):605–9 (Eng. Abstr.) **(Ita)**

[Genetic study of maxillary alveolar base] Fukawa T. **Kokubyo Gakkai Zasshi** 1984 Mar;51(1):170 **(Jpn)**

[A genetic study on the morphology of the maxillary basal arch by twin method] Fukawa T. **Kokubyo Gakkai Zasshi** 1983 Jun;50(2):237–50 (Eng. Abstr.) **(Jpn)**

[Aortitis syndrome in a pair of monozygotic twins] Enomoto S, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov; 72(11):1553–6 **(Jpn)**

[Genetic and environmental influence on control of respiration in adult twins] Yamamoto H. **Nippon Naika Gakkai Zasshi** 1983 Nov;72(11):1527–37 **(Jpn)**

[The outcome of twin pregnancies] Ulstein M, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1178–81 (Eng. Abstr.) **(Nor)**

[Ribonuclease activity in the saliva and blood serum of monozygotic and dizygotic twins] Raczyńska B, et al. **Pediatr Pol** 1983 Jul;58(7):599–604 (Eng. Abstr.) **(Pol)**

[Possible cytogenetic mechanisms of direct paternal influence on the human twinning tendency and their consequences: a hypothesis] Golubovskiĭ MD, et al. **Genetika (Moskva)** 1984 Jun;20(6):1043–51 (27 ref.) (Eng. Abstr.) **(Rus)**

[Intrauterine growth of live–born twins in the area of Sibenik, Split and Zadar] Mikulandra F, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):88–92 (Eng. Abstr.) **(Scr)**

[Crohn disease in univitelline twins] González C, et al. **An Esp Pediatr** 1983 Oct;19(4):309–14 (Eng. Abstr.) **(Spa)**

[Twin pregnancies in Helsingborg 1971–1980. Changes in the diagnosis and treatment] Rydhström H, et al. **Lakartidningen** 1984 Feb 1;81(5):346–9 **(Swe)**

PSYCHOLOGY

Twin research 4. Proceedings of the Fourth International Congress on Twin Studies. London: 28 June–1 July 1983. Part B: Twin psychology and behavior genetics. **Acta Genet Med Gemellol (Roma)** 1984;33(2):149–339

Behavioural genetics of early childhood: fears, restlessness, motion sickness and enuresis. Abe K, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):303–6

Features of interaction in infant twins. Clark PM, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):165–71

Childhood sex-role behaviors: similarities and differences in twins. Elizabeth PH, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):173–9

Self- and teacher-rated school adjustment in MZ and DZ twins. Fischbein S. **Acta Genet Med Gemellol (Roma)** 1984; 33(2):205–12

Depression, criminality and psychopathology associated with alcoholism: evidence from a twin study. Gurling HM, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):333–9

The high incidence of reading disability in twin boys and its implications for genetic analyses. Hay DA, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):223–36

The role of parental attitudes in the development of temperament in twins at home, school and in test situations. Hay DA, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(2):191–204

Blood uric acid level and IQ: a study in twin families. Inouye E, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(2):237–42

Psychiatric hospitalization in twins. Koskenvuo M, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):321–32

Health related psychosocial correlates of neuroticism: a study of adult male twins in Finland. Koskenvuo M, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):307–20

Finnish twins reared apart. III: Personality factors. Langinvainio H, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):259–64

Twin similarity in the developmental transformations of infant temperament as measured in a multi-method, longitudinal study. Matheny AP Jr. **Acta Genet Med Gemellol (Roma)** 1984;33(2):181–9

Similarities in test scores and profiles of kibbutz twins and singletons. Nathan M, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):213–8

A bivariate path analysis of fear data on twins and their parents. Neale MC, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):273–86

Cultic powers of Yoruba twins: manifestation of traditional and religious beliefs of the Yoruba. Oruene TO. **Acta Genet Med Gemellol (Roma)** 1983;32(3–4):221–8

Swedish early separated twins: identification and characterization. Pedersen NL, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):243–50

Behavioral patterns in full-term and preterm twins. Riese ML. **Acta Genet Med Gemellol (Roma)** 1983;32(3–4):209–20

Within-pair differences in newborn twins: effects of gender and gestational age on behavior. Riese ML. **Acta Genet Med Gemellol (Roma)** 1984;33(2):159–64

Altruism and genetics. Rushton JP, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(2):265–71

Does a special twin situation contribute to similarity for abilities in MZ and DZ twins? Vandenberg SG. **Acta Genet Med Gemellol (Roma)** 1984;33(2):219–22

Comparison of patterns of handedness between twins and singletons in Japan. Shimizu A, et al. **Cortex** 1983 Sep; 19(3):345–52

Pathological identification in twins. Feigelson EB. **Hillside J Clin Psychiatry** 1983;5(2):221–37

A critique of Plomin and Foch's 'A Twin Study of Objectively Assessed Personality in Childhood'. Haviland JM, et al. **J Pers Soc Psychol** 1983 Sep;45(3):633–40

[Evaluation of the mental and psychomotor development of 30 pairs of twins born at the Hospital Clínico of Madrid] Collado Díaz A, et al. **Arch Neurobiol (Madr)** 1984 Mar–Apr;47(2):89–98 (Eng. Abstr.) **(Spa)**

TWINS, CONJOINED

Case reports of 16 sets of conjoined twins from a Uganda hospital. Zake EZ. **Acta Genet Med Gemellol (Roma)** 1984; 33(1):75–80

Sequential computer-assisted hepatobiliary scintigraphy in the evaluation of conjoined twins. Wong DF, et al. **AJR** 1984 Mar;142(3):479–81

Dicephalus: unusual case of conjoined twins and its prepartum diagnosis. Hubinont C, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):693–4

The epidemiology of conjoined twinning in Southern Africa. Viljoen DL, et al. **Clin Genet** 1983 Jul;24(1):15–21

The conjoined twins born near Worms, 1495. Woodcut by an unknown artist, from a pamphlet by Sebastian Brant. New Haven, Yale Medical Library, Clements C. Fry collection. Calagan JL. **J Hist Med Allied Sci** 1983 Oct; 38(4):450–1

Spontaneous vaginal delivery of conjoined twins by a special mechanism. Nirmala AV, et al. **J Indian Med Assoc** 1983 Dec;81(11–12):207–8

Ultrasonography in the antepartum diagnosis of conjoined twins. A report of two cases. Koontz WL, et al. **J Reprod Med** 1983 Sep;28(9):627–30

Prenatal diagnosis of conjoined twins. Chatterjee MS, et al. **Prenat Diagn** 1983 Oct;3(4):357–61

Sonographic antepartum diagnosis of dicephalus dipus dibrachius: two case reports. Garten KJ, et al. **W Va Med J** 1983 Oct;79(10):218–20

[Siamese twins. A review based on 7 Danish cases] Ipsen L, et al. **Ugeskr Laeger** 1983 Jun 27;145 Spec No:50–77 **(Dan)**

DIAGNOSIS

Sonographic diagnosis of cephalothoracopagus in a triplet pregnancy. Hartung RW, et al. **J Ultrasound Med** 1984 Mar;3(3):139–41

EMBRYOLOGY

[Fetus in fetu: report of 2 cases and analysis of the literature] Montupet P, et al. **Chir Pediatr** 1984;25(1):37–42 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Central nervous system of a thoracopagus. Wongmongkolrit T, et al. **Acta Neuropathol (Berl)** 1984;63(1):80–2

Prenatal diagnosis of conjoined twins. Apuzzio JJ, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):343–4

Early cardiac evaluation of thoracically conjoined twins. Kaplan M, et al. **Cardiology** 1983;70(3):152–5

Aberrant twinning (diprosopus) associated with anencephaly. Moerman P, et al. **Clin Genet** 1983 Oct;24(4):252–6

Shared coronary arteries and coronary venous drainage in thoracopagus twins. Mathewson JW, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1019–25

Occipital encephalocele—a case of conjoined twinning? Antunes JL, et al. **Neurosurgery** 1983 Dec;13(6):703–7

Cephalothoracopagus syncephalus: a case report with previously unreported anatomical abnormalities and chromosomal analysis. Delprado WJ, et al. **Teratology** 1984 Feb;29(1):1–9

Lateral cephalothoracopagus: a case report. Merwin MC, et al. **Teratology** 1984 Apr;29(2):181–4

[Conjoined symmetrical twins of the diprosopus type with anencephaly] López Soler JA, et al. **An Esp Pediatr** 1983 Sep;19(3):216–9 **(Spa)**

PSYCHOLOGY

Cigarette smoking behavior in conjoined twins. Jarvik ME, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(3–4):239–43

SURGERY

A surgical operation performed on Siamese twins during the tenth century in Byzantium. Pentogalos GE, et al. **Bull Hist Med** 1984 Spring;58(1):99–102

Craniofacial microsomia in a parasite of a heteropagus conjoined twin: a clinical and histopathologic evaluation. Silbermann M, et al. **Head Neck Surg** 1984 Jan–Feb; 6(3):792–800

New techniques in the diagnosis and operative management of Siamese twins. Miller D, et al. **J Pediatr Surg** 1983 Aug; 18(4):373–6

Operative management of the Dagsboro Siamese twins. Haller JA Jr, et al. **Md State Med J** 1983 Jul;32(7):513–5

Successful removal of a partial Siamese twin with a carbon dioxide laser. Joubert M, et al. **S Afr Med J** 1983 Nov 26;64(23):913–4

[Surgical separation of symmetrical conjoined ischiopagus twins] Grantzow R, et al. **Z Kinderchir** 1984 Jun; 39(3):204–10 (Eng. Abstr.) **(Ger)**

TWINS, DIZYGOTIC see under **TWINS**

TWINS, MONOZYGOTIC see under **TWINS**

TYLENCHOIDEA see under **NEMATODA**

TYLOSINS see **LEUCOMYCINS**

TYMPANIC CAVITY see **EAR, MIDDLE**

TYMPANIC MEMBRANE

Tympanic membrane photography: historical perspective. Pensak ML, et al. **Am J Otol** 1984 Apr;5(4):324–32

Clinical application of allografts stored in Wuhan Medical College Type I Ear Bank. Wei NR, et al. **Chin Med J [Engl]** 1983 Apr;96(4):291–4

The pneumatic otoscope, a new instrument for the examination of the tympanic membrane—E. Siegle. 1984. Schwartz RH. **Int J Pediatr Otorhinolaryngol** 1980 Sep; 2(3):261–3

Endoscopic photography of the ear: an update. Hawke M. **J Biol Photogr** 1984 Apr;52(2):19–23

Photography in treatment of tympanic membrane perforations. Christiansen CB. **J Laryngol Otol** 1984 Feb; 98(2):107–11

Cholesteatoma medial to an intact tympanic membrane in 34 young children. Schwartz RH, et al. **Pediatrics** 1984 Aug;74(2):236–40

ANATOMY & HISTOLOGY

Molded tympanic heterografts. Histologic evaluation. Gamoletti R, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):132–5

The original description of Shrapnell's membrane reviewed in the light of recent experimental studies. Hellström S, et al. **J Laryngol Otol** 1983 Nov;97(11):985–9

Easy method to teach the landmarks of the tympanic membrane. Janfaza P. **Laryngoscope** 1983 Nov;93(11 Pt 1):1487

BLOOD SUPPLY

[Vessel damage caused by the administration of intra-arterial methotrexate? Fluorescence angiography and histologic findings] Pau HW, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Sep;62(9):427–30 (Eng. Abstr.) **(Ger)**

CYTOLOGY

The kinetics of epithelial cells in relation to ventilating tubes. O'Donoghue GM. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):105–9

Epithelial migration on the guinea-pig tympanic membrane: the influence of perforation and ventilating tube insertion. O'Donoghue GM. **Clin Otolaryngol** 1983 Oct;8(5):297–303

Epithelial migration on the tympanic membrane of children. O'Donoghue GM. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):119–25

An immunohistochemical study of the middle ear muscles of some carnivores and primates, with special reference to the IIM and slow-tonic fibre types. Mascarello F, et al. **J Anat** 1983 Aug;137 (Pt 1):95–108

DRUG EFFECTS

Short-term effects of local anaesthetic agents on the structure of the rat tympanic membrane. Schmidt SH, et al. **Arch Otorhinolaryngol** 1984;240(2):159–66

Antibiotic ear drop use in the nonintact tympanic membrane. Fairbanks DN. **Pediatr Ann** 1984 May;13(5):411–5

INJURIES

Tympanic membrane perforations from water sports: treatment and outcome. Rybak LP, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):659–62

[Treatment of traumatic ruptures of the tympanic membrane] Perrin C, et al. **J Fr Otorhinolaryngol** 1983 Nov; 32(9):565–70 **(Fre)**

[Blast injuries of the ear in military artillerymen] Spirov A. **Zb Vojnomed Akad** 1982;24:28–30 (Eng. Abstr.) **(Scr)**

INNERVATION

Further observations concerning the motor innervation of the tensor tympani muscle of the cat. Spassova I. **Z Mikrosk Anat Forsch** 1983;97(6):948–60

PATHOLOGY

Tympanic membrane cholesteatoma (keratoma). Graham MD, et al. **Am J Otol** 1984 Jan;5(3):175–8

Silent otitis media: an animal study. Meyerhoff WL, et al. **Ann Otol Rhinol Laryngol** 1984 Mar–Apr;93(2 Pt 1):136–9

Spontaneous course of secretory otitis and changes of the eardrum. Tos M, et al. **Arch Otolaryngol** 1984 May; 110(5):281–9

Prospective study of tympanosclerosis developing after grommet insertion. Slack RW, et al. **J Laryngol Otol** 1984 Aug;98(8):771–4

Tympanosclerosis. Gibb AG. **J Laryngol Otol [Suppl]** 1983; 8:63–7

Bullous myringitis and sensorineural hearing loss. Hoffman RA, et al. **Laryngoscope** 1983 Dec;93(12):1544–5

[Ceruminoma in the middle ear behind an intact tympanic membrane] Pedersen CB, et al. **Ugeskr Laeger** 1984 Feb 13;146(7):517–8 (Eng. Abstr.) **(Dan)**

[Clinico-morphological characteristics of block of the aditus in chronic suppurative otitis media] Patiakina OK, et al. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):9–13 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Measurement of tympanic membrane displacement arising from aural cardiovascular activity, swallowing, and intra-aural muscle reflex. Marchbanks RJ. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):119–29

Tympanic membrane temperature of term and preterm neonates. Mayfield SR, et al. **Early Hum Dev** 1984 Apr; 9(3):241–7

Notes on the comparative mechanics of hearing. III. On Shrapnell's membrane. Kohllöffel LU. **Hear Res** 1984 Jan; 13(1):83–8

Directional hearing in the grass frog (Rana temporaria L.): I. Mechanical vibrations of tympanic membrane. Vlaming MS, et al. **Hear Res** 1984 May;14(2):191–201

A fiber fizeau interferometer for measuring minute biological displacements. Drake AD, et al. **IEEE Trans Biomed Eng** 1984 Jul;31(7):507–11

[Recording normal human electrocochleograms from tympanic promontory and tympanic membrane] Ni DF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Oct;5(5):299–302 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

A comparison of transtympanic and ear canal recorded electrocochleography in clinical practice. Stevens JC, et al. **Clin Otolaryngol** 1983 Dec;8(6):405–10

The human acoustic tensor tympani reflex. A case report.

Stach BA, et al. **Scand Audiol** 1984;13(2):93–9
[Usefulness of tympanometry in imperforate otitis media] Dolgikh VT, et al. **Vestn Otorinolaringol** 1983 Sep–Oct; (5):13–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pars flaccida cholesteatoma as demonstrated by computed tomography. Swartz JD, et al. **Arch Otolaryngol** 1984 Aug; 110(8):515–7

SURGERY

Myringotomy made by CO2 laser—an alternative to the ventilation tube? An experimental study. Söderberg O, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):335–41
Aberrant carotid artery injured at myringotomy [letter] **JAMA** 1983 Oct 28;250(16):2110–1
Homologous dura use in problem pocket repair. Cross JP Jr. **Laryngoscope** 1984 Jul;94(7):919–22
Intact-bridge tympanomastoidectomy. Paparella MM, et al. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):334–8
Chronic suppurative otitis media: antimicrobial therapy or surgery? Bluestone CD, et al. **Pediatr Ann** 1984 May; 13(5):417–21
The role of myringotomy in acute otitis media. Gates GA. **Pediatr Ann** 1984 May;13(5):391–7
Otitis media: a perennial problem. Levine MI. **Pediatr Ann** 1984 May;13(5):357–8
Anaesthesia of tympanic membrane with lidocaine. László I, et al. **Ther Hung** 1981;29(4):176–9
[Tympanometry and myringotomy findings in secretory otitis media] Gimsing S. **Ugeskr Laeger** 1983 Dec 5; 145(49):3816–8 (Eng. Abstr.) **(Dan)**

TRANSPLANTATION

20 years of experience with homografts in ear surgery. Betow C. **J Laryngol Otol [Suppl]** 1982;5:1–28 (71 ref.)
Homograft replacement of the tympanic membrane. Alford BR, et al. **Laryngoscope** 1976 Feb;86(2):199–208
Homograft tympanoplasty in perspective. A long-term clinical-histologic study of formalin-fixed tympanic membranes used for the reconstruction of 125 severely damaged middle ears. Lesinski SG. **Laryngoscope** 1983 Nov;93(11 Pt 2 Suppl 32):1–37
[Use of low-frequency laser irradiation for the stimulation of healing of a neotympanic transplant after tympanoplasty] Bykov VL. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):25–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopic structure of the human round window membrane. Révész G, et al. **Acta Morphol Hung** 1983; 31(4):327–36
[Ultrastructural aspects of epithelial migration in the tympanic membrane] O'Donoghue GM. **J Fr Otorhinolaryngol** 1984 Apr;33(4):179–82 (Eng. Abstr.) **(Fre)**

TYMPANOMETRY see **ACOUSTIC IMPEDANCE TESTS**

TYMPANOPLASTY

Revascularization of fascia after tympanoplastic grafts. A study by fluorescein angiography. Pau HW. **Arch Otorhinolaryngol** 1984;239(1):7–13
Surgery for congenital malformations of the ear canal and middle ear. Kemink JL, et al. **Ear Nose Throat J** 1983 Dec; 62(12):644–8
Bone-conduction threshold changes at 4,000 Hz in middle-ear surgery. Ruth HR, et al. **Ear Nose Throat J** 1984 Jun;63(6):262–6
Permanent obliteration of old radical mastoid cavities combined with tympanoplasty. Meuser W. **J Laryngol Otol** 1984 Jan;98(1):31–5
Comparative study in tympanoplasties with nitrous oxide anesthesia. Ramírez-Camacho RA, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):220–2
Revision of previous stapedectomy, tympanoplasty, mastoidectomy, or endolymphatic shunt. Turner JS Jr. **South Med J** 1983 Dec;76(12):1493–5
[The internal ear] **Arch Otorhinolaryngol [Suppl]** 1983; 2:303–12 **(Ger)**
[The auditory tube and tympanoplasty] Dolgikh VT. **Vestn Otorinolaringol** 1984 Mar–Apr;(2):79–87 (135 ref.) **(Rus)**

ADVERSE EFFECTS

Absorbable gelatin sponge (Gelfoam) in otosurgery: one cause of undesirable postoperative results? Hellström S, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct;96(3–4):269–75
[Squamous cell carcinoma of the middle ear following tympanoplasty] Kleinsasser O, et al. **HNO** 1984 Feb; 32(2):61–2 (Eng. Abstr.) **(Ger)**
[Peripheral paralysis of the facial nerve as a complication of mastoidoplasty] Mitin IuV, et al. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):75–6 **(Rus)**

METHODS

Tympanoplasty with mastoidectomy: present status. Sheehy JL. **Acta Otorhinolaryngol Ital** 1983 Sep–Oct;3(5):467–81
Residual and recurrent cholesteatoma in closed tympanoplasty. Sanna M, et al. **Am J Otol** 1984 Apr; 5(4):277–82
Tympanomastoidectomy. A 25-year experience. Cole JM, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):577–81
The sleeve autograft in congenital cholesteatoma. Wehrs RE. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):571–6
Tympanoplasty with calcium phosphate. Grote JJ. **Arch Otolaryngol** 1984 Mar;110(3):197–9
Clinical application of allografts stored in Wuhan Medical College Type I Ear Bank. Wei NR, et al. **Chin Med J [Engl]** 1983 Apr;96(4):291–4
Tympanoplasty with mastoidectomy: present status. Sheehy JL. **Clin Otolaryngol** 1983 Dec;8(6):391–403
Ossicular reconstruction—a new prosthesis. Kirtane MV, et al. **J Laryngol Otol** 1984 May;98(5):445–8
20 years of experience with homografts in ear surgery. Betow C. **J Laryngol Otol [Suppl]** 1982;5:1–28 (71 ref.)
The combined approach for tympanoplasty. Jansen C. **J Laryngol Otol [Suppl]** 1983;8:90–1
Ossiculoplasty using a hemi-incus interposition. Janzen VD. **J Otolaryngol** 1984 Aug;13(4):211–2
Type I tympanoplasty: influencing factors. Adkins WY, et al. **Laryngoscope** 1984 Jul;94(7):916–8
Symposium: Methods of reconstruction in tympanoplasty. II. Maintenance of the anterior sulcus-tympanic membrane relationships in tympanoplastic surgery. Bailey HA Jr. **Laryngoscope** 1976 Feb;86(2):179–84
Symposium: Methods of reconstruction in tympanoplasty. III. The anterior canal wall bulge: indications and techniques for removal. Chandler JR. **Laryngoscope** 1976 Feb;86(2):185–90
Homologous dura use in problem pocket repair. Cross JP Jr. **Laryngoscope** 1984 Jul;94(7):919–22
Homograft tympanoplasty in perspective. A long-term clinical-histologic study of formalin-fixed tympanic membranes used for the reconstruction of 125 severely damaged middle ears. Lesinski SG. **Laryngoscope** 1983 Nov;93(11 Pt 2 Suppl 32):1–37
Ossicular reconstruction in tympanoplasty - mobile stapes without crural arches, fixed stapes with and without crural arches. Moon CN Jr. **Laryngoscope** 1976 Feb;86(2):233–6
Symposium: Methods of reconstruction in tympanoplasty. I. Management of fixation of malleolus head and incudal body in tympanoplasty. Pennington CL. **Laryngoscope** 1976 Feb; 86(2):173–8
Experimental use of fibrin tissue adhesive in middle ear surgery. Siedentop KH, et al. **Laryngoscope** 1983 Oct; 93(10):1310–3
A method of restoration of hearing in tympanoplasty with absence of the incus and stapes crura. Tabb HG. **Laryngoscope** 1976 Feb;86(2):237–8
TORPs and PORPs in tympanoplasty: a review of 1042 operations. Brackmann DE, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):32–7
Five-year evaluation of reconstructive tympanoplasty using a goblet prosthesis. Pappas DG. **South Med J** 1984 Jul; 77(7):816–8
[Tympanoplasty in children] Kley W. **HNO** 1983 Dec; 31(12):429–31 (Eng. Abstr.) **(Ger)**
[Treatment of the mastoid cavity in closed tympanoplasty] Jemmi G, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr; 4(2):151–61 (Eng. Abstr.) **(Ita)**
[Modified radical mastoid surgery. Study of 75 cases] Castro Chico G. **An Otorrinolaringol Ibero Am** 1984;11(1):49–62 (Eng. Abstr.) **(Spa)**

TYMPANOSTOMY TUBE INSERTION see **MIDDLE EAR VENTILATION**

TYMPANUM see **EAR, MIDDLE**

TYPHOID

[Typhoid cholecystitis still exists (letter)] El Haddad R, et al. **J Chir (Paris)** 1984 Jan;121(1):61 **(Fre)**
[Salmonella typhi meningoencephalitis (letter)] Butí M, et al. **Med Clin (Barc)** 1983 Jul 16;81(5):234–5 **(Spa)**

BLOOD

[Proteolytic activity and antienzymatic capacity of serum in typhoid fever] Borisova MA, et al. **Sov Med** 1983;(11):22–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the nucleolar system of peripheral blood lymphocytes in abdominal typhus] Kozinets GI, et al. **Sov Med** 1983;(12):34–8 **(Rus)**

COMPLICATIONS

A phenocopy of the homozygous Pelger-Huët anomaly secondary to acute enteritis in a heterozygous Pelger-Huët patient [letter] Vaya A, et al. **Acta Haematol (Basel)** 1983; 70(4):274–5
Typhoid perforation of the intestine. Eustache JM, et al. **Arch Surg** 1983 Nov;118(11):1269–71
Typhoid: an unusual cause of gastro-intestinal bleeding. Grundy A, et al. **Br J Radiol** 1984 Apr;57(676):344–6
A hepatitis like picture in typhoid fever. Pais P. **Br Med J [Clin Res]** 1984 Jul 28;289(6439):225–6
Bleeding cecal typhoid ulcer. Value of emergency angiography for selective surgical hemostasis. Delamarre J, et al. **Hepatogastroenterology** 1983 Dec;30(6):266–7
An electrophysiological investigation on typhoid polyneuritis. Vinci GG, et al. **Ital J Neurol Sci** 1984 Jun; 5(2):209–13
Typhoid hepatitis. Dagli AJ, et al. **J Assoc Physicians India** 1984 Mar;32(3):302–3
Typhoid perforation of the gut. Khanna AK, et al. **Postgrad Med J** 1984 Aug;60(706):523–5
Immunological and clinical aspects of kidney disease in endemic typhoid fever in Iran. Khajehdehi P, et al. **Q J Med** 1984 Winter;53(209):101–7
Enteric fever in patients admitted to a diarrhoeal disease hospital in Bangladesh. Stoll BJ, et al. **Trans R Soc Trop Med Hyg** 1983;77(4):548–51
[Anatomo-clinical conference at the Pitié-Salpétrière Hospital. Granulomatous hepatitis in Salmonella typhi septicemia] Leport C, et al. **Ann Med Interne (Paris)** 1984; 135(2):158–66 **(Fre)**
[Role of ileostomy in typhoid peritonitis] Bouzidi A, et al. **J Chir (Paris)** 1984 May;121(5):359–63 (Eng. Abstr.) **(Fre)**
[Bacterio-parasitic interactions. Enterobacteria and schistosomes (Salmonella - schistosome association)] Penaud A, et al. **Med Trop (Mars)** 1983 Jul–Aug; 43(4):331–40 (Eng. Abstr.) **(Fre)**
[Massive hemorrhage and perforation of the terminal ileum due to typhoid fever] Goldberg M, et al. **Harefuah** 1984 Mar 1;106(5):218–9 (Eng. Abstr.) **(Heb)**
[Acute gangrenous perforating cholecystitis of abdominal typhus etiology] Fedorov IuS, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):146 **(Rus)**
[Typhoid fever complicated by infectious toxic shock, severe hemolytic crisis and secondary anemia] Shamov IuA, et al. **Klin Med (Mosk)** 1984 Feb;62(2):124–5 **(Rus)**
[Effect of Staphylococcus epidermidis on the course of typhoid fever] Il'inskiĭ IuA, et al. **Sov Med** 1983;(10):44–7 (Eng. Abstr.) **(Rus)**
[Typhoid fever complicated by acute cholecystitis in a child] Shamov IuA. **Sov Med** 1984;(3):119–20 **(Rus)**
[Acute cholecystitis as a complication of typhoid fever] Shamov IuA. **Vrach Delo** 1984 Jul;(7):119–21 **(Rus)**
[Association between urinary salmonellosis and reno-ureteral lithiasis] Avila Padilla J, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):135–6 (Eng. Abstr.) **(Spa)**
[Severe neurological complications in typhoid fever] González-Galnares M, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40(8):440–5 (Eng. Abstr.) **(Spa)**
[Typhoid fever and myocarditis (letter)] Guarga A, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):648–9 **(Spa)**
[Hemophagocytic histiocytosis and medullary aplasia in typhoid fever] Valdés V, et al. **Rev Chil Pediatr** 1983 Sep–Oct;54(5):335–40 (Eng. Abstr.) **(Spa)**
[Surgical treatment of typhoid perforations] Bravo Flores N, et al. **Rev Gastroenterol Mex** 1984 Jan–Mar;49(1):19–23 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Typhoid in children in Kampala: a paper read at the Second Regional Paediatric Congress for Africa—Kaduna, Nigeria, 12–15 January, 1982. Tumwine JK. **East Afr Med J** 1983 May;60(5):319–22
Counterimmunoelectrophoresis for Salmonella typhi antigen & antibody detection in typhoid. Harish BN, et al. **Indian J Med Res** 1983 Jun;77:781–4
Evaluation of the bone marrow culture versus the blood culture for laboratory diagnosis of enteric fever. Mehta GC, et al. **Indian J Med Sci** 1984 Feb;38(2):21–2
Haemagglutinin profile as a diagnostic aid in enteric fever. Devi S, et al. **Indian J Pathol Microbiol** 1983 Jul; 26(3):153–9
Counterimmunoelectrophoresis in typhoid fever. Sarvamangala Devi JN, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):235–41
Detection of urinary Vi antigen as a diagnostic test for typhoid fever. Taylor DN, et al. **J Clin Microbiol** 1983 Oct;18(4):872–6
Comparison of the Vi indirect fluorescent antibody test with the Widal agglutination method in the serodiagnosis of typhoid fever. Doshi N, et al. **J Clin Pathol** 1984 Jul; 37(7):805–8
Duodenal string-capsule culture compared with bone-marrow, blood, and rectal-swab cultures for diagnosing typhoid and paratyphoid fever. Hoffman SL, et al. **J Infect Dis** 1984 Feb;149(2):157–61
Agglutination test for typhoid carriers. Vathanophas K, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:30–4
Rapid diagnosis of typhoid fever by antigen detection. Sivadasan K, et al. **Lancet** 1984 Jan 21;1(8369):134–5
The haemogram in the diagnosis of acute typhoid fever—with special reference to thrombocytopenia. Yap PK, et al. **Singapore Med J** 1983 Jun;24(3):161–2
Diagnosis of typhoid fever by indirect hemagglutination with lyophilized cells. Sangpetchsong V, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):374–9
Diagnosis of typhoid fever using a string capsule device. Benavente L, et al. **Trans R Soc Trop Med Hyg** 1984; 78(3):404–6
[Typhoid fever in black Africa (apropos of 213 cases)] Gallais H, et al. **Med Trop (Mars)** 1983 Jul–Aug;43(4):367–70 (Eng. Abstr.) **(Fre)**
[Why is typhoid fever diagnosed late?] Prinz G, et al. **Orv Hetil** 1984 Feb 12;125(7):397–9 (Eng. Abstr.) **(Hun)**

[Pathomorphosis of typhoid fever during a 30-year period] Kriukova ZV, et al. **Vrach Delo** 1983 Jul;(7):102-4 **(Rus)**

DRUG THERAPY

Reduction of mortality in chloramphenicol-treated severe typhoid fever by high-dose dexamethasone. Hoffman SL, et al. **N Engl J Med** 1984 Jan 12;310(2):82-8

Typhoid fever today [editorial] Hook EW. **N Engl J Med** 1984 Jan 12;310(2):116-8

Effective treatment and prevention of typhoid fever: updated. Hoffman SL, et al. **Trans Am Clin Climatol Assoc** 1983; 95:52-65

[Treatment of typhoid fever with cefoperazone] Raoult D, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):573-5 (Eng. Abstr.) **(Fre)**

[Evaluation of the efficacy of chloramphenicol and amoxicillin in the treatment of typhoid fever] Pahissa A, et al. **Med Clin (Barc)** 1984 Apr 7;82(13):572-4 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Selectively increased adenosine deaminase levels in T cells during typhoid fever. Nardiello S, et al. **J Clin Lab Immunol** 1984 Jun;14(2):103-5

Depression of erythrocyte glucose-6-phosphate dehydrogenase (G6PD) activity in enteric fever. Crowell SB, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):183-6

ETIOLOGY

[Abdominal typhoid following vaccination with the attenuated vaccine Vivotif (letter)] Straumann A, et al. **Schweiz Med Wochenschr** 1983 Aug 27;113(34):1205 **(Ger)**

IMMUNOLOGY

T cell activation in typhoid fever detected by increased levels of adenosine deaminase. Russo M, et al. **Adv Exp Med Biol** 1984;165 Pt A:253-6

Lymphoblastic reactivity and chemotactic and phagocytic activity in patients with typhoid fever. Martínez-Cairo S, et al. **Arch Invest Med (Mex)** 1983;14(3):287-98 **(Eng, Spa)**

Diagnosis of enteric fever by inhibition assay using peroxidase-labelled monoclonal antibody and Salmonella typhi lipopolysaccharide. Lim PL, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):687-704

ELISA determination of IgM anti-LPS in the early phase of typhoid fever. Nardiello S, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):372-5

Crossed immunoelectrophoretic analysis of anti-Salmonella typhi antibodies in sera of typhoid patients and carriers: demonstration of the presence of typhoid-specific antibodies to a non-O, non-H, non-Vi antigen. Chau PY, et al. **Infect Immun** 1984 Mar;43(3):1110-3

Cellular immunity induced by avirulent Salmonella in LPS-defective C3H/HeJ mice. Eisenstein TK, et al. **J Immunol** 1984 Aug;133(2):958-61

Serum secretory IgA levels in typhoid, amoebic liver abscess patients and healthy Nigerians [letter] Oyeyinka GO, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):423-4

[Significance of serum immune complex and complement C3 in patients of typhoid fever] Liu ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr; 5(2):134-5 (Eng. Abstr.) **(Chi)**

[Experimental infection of mice by Salmonella typhi inoculated orally: influence of immunosuppressive therapy] Vidal D, et al. **C R Soc Biol (Paris)** 1983;177(4):553-61 (Eng. Abstr.) **(Fre)**

[Immunoglobulins in asymptomatic zoonotic Salmonella infections and abdominal typhus] Drobnik S, et al. **Pol Tyg Lek** 1983 Mar 28;38(13):417-8 **(Pol)**

[Mechanisms of protection in the pathogenesis of the typhoid bacterial carrier state] Obgol'ts AA. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):98-103 (50 ref.) **(Rus)**

MICROBIOLOGY

Coagglutination technique for identification of Salmonella. Sarvamangala Devi JN, et al. **Indian J Med Res** 1983 Oct; 78:459-64

Lactose-fermenting, multiple drug-resistant Salmonella typhi strains isolated from a patient with postoperative typhoid fever. Kohbata S, et al. **J Clin Microbiol** 1983 Oct; 18(4):920-5

Antigenic analysis of Barber's protein antigen prepared from Salmonella typhi and demonstration of protein-specific antibodies in sera of typhoid patients. Tsang RS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):244-52

[Bacteriological and clinical aspects of Salmonella typhi infections in the Central African Republic. Evaluation of a 3-year study in Bangui] Georges AJ, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar-Apr;77(2):164-74 (Eng. Abstr.) **(Fre)**

[Cases of typhoid fever caused by by chloramphenicol-resistant Salmonella typhi] Camilli G, et al. **Clin Ter** 1983 Jul 15;106(1):11-7 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Typhoid fever. An epidemic with remarkably few clinical signs and symptoms. Klotz SA, et al. **Arch Intern Med** 1984 Mar;144(3):533-7

Typhoid fever, England and Wales, 1978-82. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1205

Identification of a carrier by using Vi enzyme-linked immunosorbent assay serology in an outbreak of typhoid fever on an Indian reservation. Engleberg NC, et al. **J Clin Microbiol** 1983 Dec;18(6):1320-2

Overestimation of the numbers of chronic carriers of Salmonella typhi in Santiago [letter] Nervi F, et al. **J Infect Dis** 1984 Jan;149(1):124-6

Typhoid in the United States and the risk to the international traveler. Taylor DN, et al. **J Infect Dis** 1983 Sep; 148(3):599-602

Typhoid fever in San Antonio, Texas: an outbreak traced to a continuing source. Taylor JP, et al. **J Infect Dis** 1984 Apr;149(4):553-7

Benign bacteremia caused by Salmonella typhi and paratyphi in children younger than 2 years. Ferreccio C, et al. **J Pediatr** 1984 Jun;104(6):899-901

Surveillance for typhoid fever in Matsuyama city during 1974-1981 and detection of Salmonella typhi in sewage and river waters. Shinohara N, et al. **Jpn J Med Sci Biol** 1983 Jun;36(3):191-7

How to estimate the relative importance of different diseases: estimates for typhoid fever from Ghana. Morrow RH Jr. **Trop Doct** 1984 Apr;14(2):86-9

[An epidemiological survey on an outbreak of typhoid fever] Xu WX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb;5(1):52-4 (Eng. Abstr.) **(Chi)**

[Epidemiology of typhoid-parathypoid infections and their prevention in the armed forces] Agafonov VI, et al. **Voen Med Zh** 1984 Jun;(6):36-9 **(Rus)**

[Typhoid fever in Chile: epidemiological considerations] Medina E, et al. **Rev Med Chil** 1983 Jun;111(6):609-15 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Ultrastructure of components of the functional element of the sensomotor cortex in endotoxin shock. Polyanin KI, et al. **Neurosci Behav Physiol** 1984 Jan-Feb;14(1):54-9

PREVENTION & CONTROL

Volunteer studies in the development of a live oral typhoid vaccine. Dima VF. **Arch Roum Pathol Exp Microbiol** 1983 Apr-Sep;42(2-3):191-8

Typhoid immunisation. Ghai OP, et al. **Indian J Pediatr** 1984 Jan-Feb;51(408):71-6 (22 ref.)

Oral vaccination against enteric bacterial infections: an overview. Germanier R. **Infection** 1984 Mar-Apr; 12(2):138-42 (13 ref.)

[Vaccination against abdominal typhus: subcutaneously or orally?] Huisman J. **Ned Tijdschr Geneeskd** 1984 Jul 28; 128(30):1425-7 **(Dut)**

[Oral typhoid immunization] Schneider W, et al. **Dtsch Med Wochenschr** 1984 Apr 13;109(15):592-4 **(Ger)**

[Massive complex (combined) immunization against typhoid, cholera and plague] Agafonov VI, et al. **Voen Med Zh** 1983 Aug;(8):45-8 **(Rus)**

[Experimental justification for combined subcutaneous immunization against cholera and typhoid fever] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan; (1):85-9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Absence of hyperfixation in bone scintigraphy during the initial days of typhoid osteitis (letter)] Bruckert E, et al. **Presse Med** 1984 Mar 24;13(12):739-40 **(Fre)**

THERAPY

Monoclonal antibodies to Salmonella lipopolysaccharide: anti-O-polysaccharide antibodies protect C3H mice against challenge with virulent Salmonella typhimurium. Colwell DE, et al. **J Immunol** 1984 Aug;133(2):950-7

[Current state of therapy of abdominal typhus] Postovit VA. **Sov Med** 1983;(8):54-8 **(Rus)**

TYPHOID-PARATYPHOID VACCINES

[Comparative study of various typhoid vaccines prepared by using different culture media] Dimache G, et al. **Rev Ig [Bacteriol]** 1983 Apr-Jun;28(2):187-91 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Volunteer studies in the development of a live oral typhoid vaccine. Dima VF. **Arch Roum Pathol Exp Microbiol** 1983 Apr-Sep;42(2-3):191-8

Typhoid immunisation. Ghai OP, et al. **Indian J Pediatr** 1984 Jan-Feb;51(408):71-6 (22 ref.)

Lyophilized typhoid vaccine for intradermal use. Dimache G, et al. **J Biol Stand** 1983 Oct;11(4):261-9

[Experimental justification for combined subcutaneous immunization against cholera and typhoid fever] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan; (1):85-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Sudden, unexpected death following typhoid-cholera vaccination. Pounder DJ. **Forensic Sci Int** 1984 Jan; 24(1):95-8

Influenza-like syndrome following typhoid immunization. McAnally TP, et al. **Milit Med** 1984 Apr;149(4):200-1

[Abdominal typhoid following vaccination with the attenuated vaccine Vivotif (letter)] Straumann A, et al. **Schweiz Med Wochenschr** 1983 Aug 27;113(34):1205 **(Ger)**

[Reactogenicity and immunological effectiveness of a chemical sorbed typhoid vaccine in combination with choleragen-anatoxin administered subcutaneously by jet injector] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):95-7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

IgG rheumatoid factors behaviour in young normal subjects following vaccination. Procaccia S, et al. **Boll Ist Sieroter Milan** 1983 Nov 30;62(5):451-61

Safety and antigenicity of typhoid-Shigella sonnei vaccine (strain 5076-1C). Tramont EC, et al. **J Infect Dis** 1984 Feb;149(2):133-6

TYPHUS see TYPHUS, EPIDEMIC LOUSE-BORNE

TYPHUS, ENDEMIC FLEA-BORNE

COMPLICATIONS

[Pleuropericarditis caused by Rickettsia mooseri. An unusual manifestation of murine typhus] Moreno Castillo JL, et al. **Rev Clin Esp** 1984 Apr 30;173(2):125-7 **(Spa)**

DIAGNOSIS

Differentiation of murine and scrub typhus [letter] Stasko T, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):299

[Murine typhus: clinical and serological review of 42 cases] López Cortés LF, et al. **Med Clin (Barc)** 1983 Dec 10; 81(19):835-8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Spotted fever and murine typhus in the Negev desert region of Israel, 1981. Gross EM, et al. **Bull WHO** 1984; 62(2):301-6

Endemic typhus in Texas. Betz TG, et al. **Tex Med** 1983 Nov;79(11):48-53

TRANSMISSION

An attempt to infect human body lice, Pediculus humanus var corporis on a mild case of murine typhus. Li JX, et al. **Chin Med J [Engl]** 1984 Mar;97(3):158-64

TYPHUS, EPIDEMIC LOUSE-BORNE

ENZYMOLOGY

Activated complex of L-cells and Rickettsia prowazekii with N-ethylmaleimide-insensitive phospholipase A. Winkler HH, et al. **Infect Immun** 1984 Sep;45(3):577-81

MICROBIOLOGY

Persistence of Rickettsia prowazekii with different initial biological properties in infected cotton rats. Ignatovich VF, et al. **Acta Virol (Praha)** 1983 Nov;27(6):528-32

OCCURRENCE

An epidemic of typhus in Ankole, Uganda, 1975-1976. Banegura FK, et al. **East Afr Med J** 1983 Jan;60(1):55-9

TYPHUS, MURINE see TYPHUS, ENDEMIC FLEA-BORNE

TYPOLOGY see SOMATOTYPES

TYRAMINE

ADVERSE EFFECTS

Tyramine studies and the safety of MAOI drugs. Simpson GM, et al. **J Clin Psychiatry** 1984 Jul;45(7 Pt 2):59-61

[Polyneuropathy and aged cheese] Schultsz JC. **Ned Tijdschr Geneeskd** 1984 Mar 3;128(9):412-3 **(Dut)**

ANALOGS & DERIVATIVES

The tyramine challenge test as a marker for melancholia. Harrison WM, et al. **Arch Gen Psychiatry** 1984 Jul; 41(7):681-5

[Clinical observation on synephrine and N-methyltyramine in the treatment of 53 cases with shock] Huang YK. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Feb;4(2):95-6 (Eng. Abstr.) **(Chi)**

ANALYSIS

The effects of (+)-amphetamine, alpha-methyltyrosine, and alpha-methylphenylalanine on the concentrations of m-tyramine and alpha-methyl-m-tyramine in rat striatum. Dougan DF, et al. **Br J Pharmacol** 1983 Oct;80(2):309-14

The chemical basis and specificity of the nitrosonaphthol reaction. Knight JA, et al. **Clin Chem** 1983 Nov; 29(11):1969–71

[Elucidation and chemical identification of a heart strength and heart rate–increasing substance from human kidney extracts] Paralkevová J, et al. **Z Rechtsmed** 1984; 91(4):255–67 (Eng. Abstr.) (Ger)

BIOSYNTHESIS

The biosynthesis of p–tyramine, m–tyramine, and beta–phenylethylamine by rat striatal slices. Dyck LE, et al. **J Neurosci Res** 1983;10(2):211–20

BLOOD

Pressor sensitivity to tyramine in patients with headache: relationship to platelet monoamine oxidase and to dietary provocation. Peatfield R, et al.
J Neurol Neurosurg Psychiatry 1983 Sep;46(9):827–31

DIAGNOSTIC USE

The tyramine challenge test as a marker for melancholia. Harrison WM, et al. **Arch Gen Psychiatry** 1984 Jul; 41(7):681–5

A comparison of diclofensine and desmethylimipramine using tyramine pressor tests in normal subjects. Jackson SH, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):427–9

IMMUNOLOGY

Antisera against catecholamines: specificity studies and physicochemical data for anti–dopamine and anti–p–tyramine antibodies. Geffard M, et al.
Mol Immunol 1984 Jun;21(6):515–22

METABOLISM

Kinetics of tyramine transport and permeation across chromaffin–vesicle membranes. Knoth J, et al.
Biochemistry 1984 Apr 24;23(9):2011–6

Oral absorption and concentration–effect relationship of tyramine with and without cimoxatone, a type–A specific inhibitor of monoamine oxidase. Dollery CT, et al.
Clin Pharmacol Ther 1983 Nov;34(5):651–62

Uptake of 14C–tyramine and release of extravesicular 3H–noradrenaline in isolated perfused rabbit hearts. Bönisch H, et al.
Naunyn Schmiedebergs Arch Pharmacol 1983 Jul; 323(3):233–44

Levels of p–tyramine in rat brain after chronic administration of MAO–inhibiting antidepressants. Baker GB, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):779–82

The effects of beta–phenylethylamine on tyramine and dopamine metabolism. McQuade PS, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1983; 7(4–6):755–9

Tyramine and depressive illness. **Psychopharmacol Bull** 1983; 19(3):496–504

PHARMACODYNAMICS

Effect of tyramine on myocardial catecholamine release in coronary heart disease. Forman MB, et al.
Am J Cardiol 1984 Feb 1;53(4):476–80

Metabolic responses to tyramine and cold in young male Sprague–Dawley and Fischer 344 rats. Kiang–Ulrich M, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E141–4

Tyramine–induced noradrenaline release from rat brain slices: prevention by (–)–deprenyl. Glover V, et al.
Br J Pharmacol 1983 Sep;80(1):141–8

Rete mirabile of goat: in vitro effects of adrenergic stimulation. Diéguez G, et al. **Brain Res** 1983 Dec 19; 289(1–2):281–4

Endogenous state–dependency:memory regulation by post–training and pre–testing administration of ACTH, beta –endorphin, adrenaline and tyramine. Izquierdo I, et al.
Braz J Med Biol Res 1983 Apr;16(1):55–64

Responsiveness to tyramine in isolated lung parenchymal strip of guinea–pig and rat. Morcillo E, et al.
Eur J Pharmacol 1984 Jan 13;97(1–2):13–9

Effects of nialamide on responses of dog isolated arteries to tyramine and transmural electrical stimulation. Hayashi S, et al. **Gen Pharmacol** 1984;15(1):19–24

Blockade of ganglionic afterdischarges by tyramine may be mediated by endogenous catecholamines. Christ D, et al.
J Pharmacol Exp Ther 1984 Feb;228(2):376–9

Direct effects of catecholamines and tyramine on sinoatrial conduction in isolated and blood–perfused dog atria. Kobayashi M, et al. **Jpn Heart J** 1984 Mar;25(2):195–205

Tyrosine's pressor effect in hypotensive rats is not mediated by tyramine. Conlay LA, et al. **Life Sci** 1984 Sep 10; 35(11):1207–12

[Tyramine and noradrenaline infusion in normal and hypertensive subjects. Evaluation of pressure changes and cardiac rate in both groups] Sarti F, et al. **G Clin Med** 1983 Dec;64(12):513–32 (Eng. Abstr.) (Ita)

TOXICITY

Tyramine is a major mutagen precursor in soy sauce, being convertible to a mutagen by nitrite. Ochiai M, et al.
Gann 1984 Jan;75(1):1–3

[Biogenic amines in food: effects of histamine, tyramine and phenylethylamine in the human] Lüthy J, et al.
Z Lebensm Unters Forsch 1983;177(6):439–43 (Eng. Abstr.) (Ger)

URINE

Phenylethylamine and tyramine outputs in patients with affective disorders: behavioral and biochemical correlates. Linnoila M, et al. **Adv Biochem Psychopharmacol** 1984; 39:153–7

Urinary excretion of O–methylated catecholamines, tyramine and phenyl–ethylamine by volunteers treated with tranylcypromine and CGP 11305 A. Waldmeier PC, et al.
Eur J Clin Pharmacol 1983;25(3):361–8

TYROCIDINES see under **TYROTHRICIN**

TYROPANOATE see under **IODOBENZENES**

TYROSINASE see under **DIPHENOL OXIDASES**

TYROSINE

Fluorescence study of the effects of histone tyrosyl residues of DNA. Mozo–Villarías A.
Biochem Biophys Res Commun 1984 Jul 31;122(2):656–61

Resonance energy transfer between the adenosine 5'–diphosphate site of glutamate dehydrogenase and a guanosine 5'–triphosphate site containing a tyrosine labeled with 5'–[p–(fluorosulfonyl)benzoyl]–1,N6–ethenoadenosine. Jacobson MA, et al. **Biochemistry** 1983 Aug 30; 22(18):4247–57

Tyrosine and tyrosinate fluorescence of bovine testes calmodulin: calcium and pH dependence. Pundak S, et al.
Biochemistry 1984 Mar 27;23(7):1549–55

Implication of a tyrosine residue in the unspecific bile salt binding site of human pancreatic carboxylic ester hydrolase. Campese D, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2–3):147–57

Nitration of the tyrosine residues of porcine pancreatic colipase with tetranitromethane, and properties of the nitrated derivatives. De Caro JD, et al.
Biochim Biophys Acta 1983 Sep 28;747(3):253–62

NMR studies of myelin basic protein. IX. Complete assignments of the tyrosine residues by proton NMR of proteins from six species. Mendz GL, et al.
Biochim Biophys Acta 1983 Oct 28;748(2):168–75

pH–jump titration of the tyrosyl groups of bovine plasma albumin. Kuwajima K, et al. **Biopolymers** 1984 Jul; 23(7):1347–65

The nature of the reaction of an essential tyrosine residue of bovine heart mitochondrial ATPase with 4–chloro–7–nitrobenzofurazan and related compounds. Sutton R, et al. **Eur J Biochem** 1984 Jul 16;142(2):387–92

Conformation and mobility of tyrosine side chain in tetrapeptides. Specific effects of cis– and trans–proline in Tyr–Pro– and Pro–Tyr–segments. Juy M, et al.
Int J Pept Protein Res 1983 Oct;22(4):437–49

Epidermal growth factor stimulates tyrosine phosphorylation of the myosin regulatory light chain from smooth muscle. Gallis B, et al. **J Biol Chem** 1983 Nov 10;258(21):13089–93

Anthraniloyl–tyrosine 411 as a spectroscopic probe of fatty acid binding to human serum albumin. Hagag N, et al.
J Biol Chem 1984 May 10;259(9):5411–3

Fertilization results in increased tyrosine phosphorylation of egg proteins. Ribot HD Jr, et al. **J Biol Chem** 1984 Apr 25;259(8):5333–8

The nucleotide sequence of the aroF gene of Escherichia coli and the amino acid sequence of the encoded protein, the tyrosine–sensitive 3–deoxy–D–arabino–heptulosonate 7–phosphate synthase. Shultz J, et al. **J Biol Chem** 1984 Aug 10;259(15):9655–61

Tyrosine phosphorylation of the insulin receptor beta subunit activates the receptor–associated tyrosine kinase activity. Yu KT, et al. **J Biol Chem** 1984 Apr 25;259(8):5277–86

Replacement of the peptide–backbone amides connecting Tyr–Gly and Gly–Gly in leucine–enkephalin with ketomethylene groups: synthesis and biological activity. Almquist RG, et al. **J Med Chem** 1984 Feb;27(2):115–20

Functional site of human placental estradiol 17 beta–dehydrogenase involves tyrosine residues, as evidenced by reaction to p–nitrobenzenesulfonyl fluoride. Inano H, et al. **J Steroid Biochem** 1983 Nov;19(5):1677–9

Transformation by polyoma virus is drastically reduced by substitution of phenylalanine for tyrosine at residue 315 of middle–sized tumor antigen. Carmichael G, et al.
Proc Natl Acad Sci USA 1984 Feb;81(3):679–83

[Study of conformational changes in immunoglobulin M using the method of differential spectroscopy] Kaverzneva ED, et al. **Biokhimiia** 1984 Mar;49(3):495–501 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

In search of the mode of action of antidepressants: 5–HTP/tyrosine mixtures in depression. van Praag HM.
Adv Biochem Psychopharmacol 1984;39:301–14

Tyrosine supplementation in chronic experimental uremia. Abitbol CL, et al. **Biochem Med** 1983 Aug;30(1):101–10

The effect of administration of glycine and tyrosine on the growth depression caused by mimosine in rats. El–Harith EA, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1983 Aug; 50(3):132–7

[Histamine level of basophils in children with pollinosis treated with pollinex] Fal w, et al. **Pediatr Pol** 1984 Mar; 59(3):231–7 (Eng. Abstr.) (Pol)

ANALOGS & DERIVATIVES

Polyamide thin–layer chromatography of phosphorylated tyrosine, threonine, and serine. Chang WC, et al.
Anal Biochem 1983 Jul 15;132(2):342–4

The use of a small synthetic antigen to study immune regulation by way of idiotypes. Bellone CJ, et al.
Ann NY Acad Sci 1983;418:74–83

Idiotype connection between anti–arsonate and anti–dinitrophenyl responses in BALB/c mice. Lewis GK, et al. **Ann NY Acad Sci** 1983;418:282–9

Inhibition of aromatic amino acid decarboxylase and depletion of biogenic amines in brain of rats treated with alpha–monofluoromethyl p–tyrosine: similitudes and differences with the effects of alpha–monofluoromethyldopa. Jung MJ, et al.
Biochem Pharmacol 1984 Jan 15;33(2):327–30

Tyrosinamide residues enhance pinocytic capture of N–(2–hydroxypropyl)methacrylamide copolymers. Duncan R, et al. **Biochim Biophys Acta** 1984 May 25; 799(1):1–8

Phosphorylation of tyrosine in cultured human placenta. Galski H, et al. **Biochim Biophys Acta** 1984 May 22; 804(1):125–31

Phosphorylation of tyrosine in cultured human placenta. Galski H, et al. **Biochim Biophys Acta** 1983 Dec 27; 761(3):284–90

Phosphotyrosyl–protein phosphatases. Foulkes JG.
Curr Top Microbiol Immunol 1983;107:163–80 (100 ref.)

Detection of phosphotyrosine–containing proteins in the detergent–insoluble fraction of RSV–transformed fibroblasts by azobenzene phosphonate antibodies. Comoglio PM, et al. **EMBO J** 1984 Mar;3(3):483–9

Polyoma middle–sized T antigen can be phosphorylated on tyrosine at multiple sites in vitro. Hunter T, et al.
EMBO J 1984 Jan;3(1):73–9

Deletion mutagenesis using an 'M13 splint': the N–terminal structural domain of tyrosyl–tRNA synthetase (B. stearothermophilus) catalyses the formation of tyrosyl adenylate. Waye MM, et al. **EMBO J** 1983;2(10):1827–9

Immunofluorescence localization of phosphotyrosine containing proteins in RSV–transformed mouse fibroblasts. Marchisio PC, et al. **Exp Cell Res** 1984 Sep;154(1):112–24

Use of an antiserum against phosphotyrosine for the identification of phosphorylated components in human fibroblasts stimulated by platelet–derived growth factor. Ek B, et al. **J Biol Chem** 1984 Sep 10;259(17):11145–52

Evidence for the platelet–derived growth factor–stimulated tyrosine phosphorylation of the platelet–derived growth factor receptor in vivo. Immunopurification using a monoclonal antibody to phosphotyrosine. Frackelton AR Jr, et al. **J Biol Chem** 1984 Jun 25;259(12):7909–15

Interaction of crystalline tyrosyl–tRNA synthetase with adenosine, adenosine monophosphate, adenosine triphosphate and pyrophosphate in the presence of tyrosinol. Monteilhet C, et al. **J Mol Biol** 1984 Mar 15; 173(4):477–85

Tyrosine increases tissue dopamine concentration in the rat. Oishi T, et al. **J Neurochem** 1984 Mar;42(3):894–6

Measurement of chemical phosphate in proteins. Buss JE, et al. **Methods Enzymol** 1983;99:7–14

Detection and quantification of phosphotyrosine in proteins. Cooper JA, et al. **Methods Enzymol** 1983;99:387–402

Base hydrolysis and amino acid analysis for phosphotyrosine in proteins. Martensen TM, et al. **Methods Enzymol** 1983; 99:402–5

Characterization and use of monoclonal antibodies for isolation of phosphotyrosyl proteins from retrovirus–transformed cells and growth factor–stimulated cells. Frackelton AR Jr, et al. **Mol Cell Biol** 1983 Aug; 3(8):1343–52

Phorbol ester and diacylglycerol induce protein phosphorylation at tyrosine. Gilmore T, et al. **Nature** 1983 Dec 1–7;306(5942):487–90

Tumor–promoting phorbol ester stimulates tyrosine phosphorylation in U–937 monocytes. Grunberger G, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2762–6

Phosphorylation at a tyrosine residue of lipomodulin in mitogen–stimulated murine thymocytes. Hirata F, et al.
Proc Natl Acad Sci USA 1984 Aug;81(15):4717–21

Decrease of tyrosine–O–sulfate–containing proteins found in rat fibroblasts infected with Rous sarcoma virus or Fujinami sarcoma virus. Liu MC, et al
Proc Natl Acad Sci USA 1984 Jun;81(12):3695–8

Insulin receptor is an insulin–dependent tyrosine protein kinase: copurification of insulin–binding activity and protein kinase activity to homogeneity from human placenta. Petruzzelli L, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3327–31

A mutation at the major phosphotyrosine in pp60v–src alters oncogenic potential. Snyder MA, et al. **Virology** 1984 Jul 30;136(2):375–86

[Effects of tiropramide on gallbladder emptying in patients with a dyspeptic syndrome associated with biliary dyskinesia] Arienti V, et al. **Minerva Med** 1984 Jan 14; 75(1–2):33–7 (Eng. Abstr.) (Ita)

[Controlled clinical study on the efficacy of tiropramide hydrochloride in the treatment of irritable colon:

comparison with octylonium bromide] Tinozzi S, et al. **Minerva Med** 1984 Jan 14;75(1-2):23-31 (Eng. Abstr.) **(Ita)**

ANALYSIS

Tyrosine crystals in fine needle aspirates of a pleomorphic adenoma of the parotid gland. Bottles K, et al. **Acta Cytol (Baltimore)** 1984 Jul-Aug;28(4):490-2

Comparative oxidations of tyrosines and methionines in transferrins: human serum transferrin, human lactotransferrin, and chicken ovotransferrin. Penner J-H, et al. **Arch Biochem Biophys** 1983 Sep;225(2):740-7

Comparative study of physiochemical properties of two pike parvalbumins by means of their intrinsic tyrosyl and phenylalanyl fluorescence. Permyakov EA, et al. **Arch Biochem Biophys** 1983 Nov;227(1):9-20

Identification of the initially NBD-labeled essential tyrosine residue in bovine heart MF1-ATPase. Ho JW, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):599-604

Raman spectroscopic evidence for the microenvironmental change of some tyrosine residues of lens proteins in cold cataract. Mizuno A, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):989-94

Photochemically induced nuclear polarization study of the accessibility of tyrosines in insulin. Muszkat KA, et al. **Biochemistry** 1984 Jan 3;23(1):5-10

Determination of tyrosine exposure in proteins by second-derivative spectroscopy. Ragone R, et al. **Biochemistry** 1984 Apr 10;23(8):1871-5

The chemical basis and specificity of the nitrosonaphthol reaction. Knight JA, et al. **Clin Chem** 1983 Nov; 29(11):1969-71

Correction of tyrosine content in the amino acid analysis of human ocular mucus and its fractions [letter] Chao CC, et al. **Exp Eye Res** 1983 Nov;37(5):531-2

The bond in the bacteriophage phi X174 gene A protein--DNA complex is a tyrosyl-5'-phosphate ester. van Mansfeld AD, et al. **FEBS Lett** 1984 Aug 6; 173(2):351-6

Identification of the essential tyrosine residue in the beta subunit of bovine heart mitochondrial F1-ATPase that is modified by 7-chloro-4-nitro[14C]benzofurazan. Andrews WW, et al. **J Biol Chem** 1984 Jul 10;259(13):8219-25

Simultaneous measurement of tyrosine, tryptophan and related monoamines for determination of neurotransmitter turnover in discrete rat brain regions by liquid chromatography with electrochemical detection. Lasley SM, et al. **J Chromatogr** 1984 Jan 13;305(1):27-42

Tyrosine-rich crystalloids in adenoid cystic carcinoma: histochemical and ultrastructural observations. Gould AR, et al. **J Oral Pathol** 1983 Dec;12(6):478-90

ATP is required for initiation of poliovirus RNA synthesis in vitro: demonstration of tyrosine-phosphate linkage between in vitro-synthesized RNA and genome-linked protein. Morrow CD, et al. **J Virol** 1984 May;50(2):515-23

Complete tyrosine-O-sulphation of gastrin in neonatal rat pancreas. Brand SJ, et al. **Nature** 1984 May 31-Jun 6; 309(5967):456-8

Acrylamide fluorescence quenching applied to tyrosyl residues in proteins. Follenius A, et al. **Photochem Photobiol** 1983 Sep;38(3):373-6

[The study of the active site of cytochrome P-450 LM2 using the chemical modification of tyrosine residues by tetranitromethane] Usanov SA, et al. **Biokhimiia** 1984 Jun; 49(6):889-98 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Impact of isozymes upon partitioning of carbon flow and regulation of aromatic biosynthesis in prokaryotes. Byng GS, et al. **Isozymes Curr Top Biol Med Res** 1983;8:115-40

[Biosynthesis of phenylalanine and tyrosine in Flavobacteria] Waldner-Sander S, et al. **Hoppe Seylers Z Physiol Chem** 1983 Oct;364(10):1467-73 (Eng. Abstr.) **(Ger)**

BLOOD

Toluene-induced decrease in rat plasma concentrations of tyrosine and tryptophan. Voog L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Feb;54(2):151-3

Tryptophan and tyrosine availability: relation to clinical response to antidepressive pharmacotherapy. Møller SE, et al. **Adv Biochem Psychopharmacol** 1984;39:319-26 (21 ref.)

Biochemical studies on the enzymatic deficiencies in hereditary tyrosinemia. Berger R, et al. **Clin Chim Acta** 1983 Oct 31;134(1-2):129-41

Successful dietary control of tyrosinemia II. Machino H, et al. **J Am Acad Dermatol** 1983 Oct;9(4):533-9

Alphaxalone/alphadolone and porphyria [letter] Cole DE, et al. **Lancet** 1984 Mar 24;1(8378):690

Liver disease in hereditary tyrosinemia [letter] Gagné R. **N Engl J Med** 1983 Oct 27;309(17):1063

Prenatal diagnosis of hereditary tyrosinemia [letter] Steinmann B, et al. **N Engl J Med** 1984 Mar 29; 310(13):855-6

Persistent tyrosinemia associated with low activity of tyrosine aminotransferase. Andersson S, et al. **Pediatr Res** 1984 Jul; 18(7):675-8

Enzyme defect in a case of tyrosinemia type I, acute form. Furukawa N, et al. **Pediatr Res** 1984 May;18(5):463-6

Total serum bile acids, gamma-glutamyl transferase, prealbumin, and tyrosine: sensitive serum markers of hepatic dysfunction in alcoholic liver cirrhosis. Joelsson B, et al. **Scand J Gastroenterol** 1983 May;18(4):497-501

[Digestive hypertyrosinemia in newborn infants and premature infants fed Tatra condensed milk] Hyánek J, et al. **Cesk Pediatr** 1983 Nov;38(11):650-3 (Eng. Abstr.) **(Cze)**

[Dietary management of hereditary tyrosinemia. Apropos of 7 cases] Jehan P, et al. **Ann Pediatr (Paris)** 1984 Jan; 31(1):33-40 (Eng. Abstr.) **(Fre)**

[Level of tyrosine in the blood of patients with acute myocardial infarction during the assessment of corticosteroid hormone production] Rass IT, et al. **Kardiologiia** 1983 Jul;23(7):72-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Dopa oxidation and tyrosine oxygenation by human melanoma tyrosinase. Jergil B, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):468-75

Effect of theophylline on the transport of tyrosine in cultured B-16 mouse melanoma cells. Saga K, et al. **Arch Dermatol Res** 1984;276(3):165-9

A tumor promoter stimulates phosphorylation on tyrosine. Bishop R, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):536-43

On the mechanism of iodination of tyrosine. Dunford HB, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):639-43

Tyrosine phosphorylation in human T lymphoma cells. Gacon G, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):843-50

Oxidation of tyrosine residues in proteins by tyrosinase. Formation of protein-bonded 3,4-dihydroxyphenylalanine and 5-S-cysteinyl-3,4-dihydroxyphenylalanine. Ito S, et al. **Biochem J** 1984 Sep 1;222(2):407-11

Tubulin tyrosinolated in vivo can be different from that tyrosinolated in vitro. Nath J, et al. **Biochim Biophys Acta** 1984 Apr 16;803(4):314-22

On the brain barrier system function and changes of cerebrospinal fluid concentrations of phenylalanine and tyrosine in human phenylketonuria. Ratzmann GW, et al. **Biomed Biochim Acta** 1984;43(2):197-204

In vivo tyrosine hydroxylation in the diabetic rat retina: effect of tyrosine administration. Fernstrom MH, et al. **Brain Res** 1984 Apr 23;298(1):167-70

Presynaptic tyrosine availability in the phenylketonuric brain: a hypothetical evaluation. Peterson NA, et al. **Brain Res** 1983 Aug 1;272(1):189-93

Local mutagenesis of Rous sarcoma virus: the major sites of tyrosine and serine phosphorylation of pp60src are dispensable for transformation. Cross FR, et al. **Cell** 1983 Sep;34(2):597-607

Amino-acid transport and protein synthesis in the rabbit lens: absence of cryoprobe effect. Marcantonio JM, et al. **Curr Eye Res** 1984 Apr;3(4):667-71

Tyrosinemia and intractable seizures. Seshia SS, et al. **Epilepsia** 1984 Aug;25(4):457-63

Synthetic peptide substrates for the membrane tyrosine protein kinase stimulated by epidermal growth factor. House C, et al. **Eur J Biochem** 1984 Apr 16;140(2):363-7

The insulin-stimulated receptor kinase is a tyrosine-specific casein kinase. Zick Y, et al. **Eur J Biochem** 1983 Dec 15; 137(3):631-7

Presynaptic binding of amino acids: characterization of the binding and dissociation properties of taurine, GABA, glutamate, tyrosine and norleucine. Turpeenoja L, et al. **Int J Neurosci** 1983 Dec;22(1-2):99-106

Influence of DNA binding on the formation and reactions of tryptophan and tyrosine radicals in peptides and proteins. Casas-Finet JR, et al. **Int J Radiat Biol** 1984 Feb; 45(2):119-32

Role of histone tyrosines in nucleosome formation and histone-histone interaction. Kleinschmidt AM, et al. **J Biol Chem** 1984 Jan 10;259(1):497-503

Site-specific mutagenesis of aspartate transcarbamoylase. Replacement of tyrosine 165 in the catalytic chain by serine reduces enzymatic activity. Robey EA, et al. **J Biol Chem** 1984 Sep 25;259(18):11180-3

Membrane association of a 36,000-dalton substrate for tyrosine phosphorylation in chicken embryo fibroblasts transformed by avian sarcoma viruses. Radke K, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1601-11

Free tyrosine levels of rat brain and tissues with sympathetic innervation following administration of L-tyrosine in the presence and absence of large neutral amino acids. Ablett RF, et al. **J Nutr** 1984 May;114(5):835-9

Tyrosine-rich crystals in pleomorphic adenomas of parotid glands. Chaplin AJ, et al. **J Oral Pathol** 1983 Oct; 12(5):342-6

Diverse mitogenic agents induce the phosphorylation of two related 42,000-dalton proteins on tyrosine in quiescent chick cells. Cooper JA, et al. **Mol Cell Biol** 1984 Jan; 4(1):30-7

Tissue accumulation and release of newly synthesized 3H-dopamine and 3H-noradrenaline in canine saphenous veins incubated with 3H-(--)-tyrosine. Boels PJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):7-14

Utilization of tyrosine and tryptophan for protein synthesis by undernourished developing rat brain. Kalyanasundaram S, et al. **Neurochem Res** 1983 Nov;8(11):1471-80

Deficient fumarylacetoacetate fumarylhydrolase activity in lymphocytes and fibroblasts from patients with hereditary tyrosinemia. Kvittingen EA, et al. **Pediatr Res** 1983 Jul; 17(7):541-4

Role of tyrosine in the acute effects of ethanol on rat brain catecholamine synthesis. Badawy AA, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:389-96

Effects of dietary protein level and ascorbic acid supplementation on the contents of tyrosine metabolites in droppings and plasma of chicks fed a diet containing excess tyrosine. Yanaka M, et al. **Poult Sci** 1983 Dec; 62(12):2433-41

Phorbol esters potentiate tyrosine phosphorylation of epidermal growth factor receptors in A431 membranes by a calcium-independent mechanism. Moon SO, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2298-302

Changes in protein degradation in chickens due to an inflammatory challenge. Klasing KC, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):292-6

Effect of tyrosine modification on the biological and immunological properties of equine chorionic gonadotropin. Papkoff H, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):42-6

Comparative study of the iodination of tyrosines in the amino terminal domain of fibrinogen and in N-DSK and fibrin-N-DSK. York JL. **Thromb Res** 1983 Jul 15; 31(2):203-9

[Transport of phenylalanine and tyrosine in Brevibacterium linens: specificity and incorporation into proteins] Boyaval P, et al. **Can J Microbiol** 1984 Apr;30(4):430-8 (Eng. Abstr.) **(Fre)**

[Effect of ionizing radiation with low dose rate on glyco- and mucoprotein metabolism in dogs] Vinogradova ZA. **Radiobiologiia** 1983 Nov-Dec;23(6):808-11 (Eng. Abstr.) **(Rus)**

[Mechanism of enzymatic regulation of tyrosine turnover in hyperthermia] Kurbanov Kh, et al. **Vopr Med Khim** 1983 Jul-Aug;29(4):69-73 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inactivation of human tyrosinase by cysteine. Protection by dopa and tyrosine. Jergil B, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):155-7

Effect of catecholamine precursors on stress-induced changes in motor activity, exploration, and brain monoamines in young and aged mice. Thurmond JB, et al. **Behav Neurosci** 1984 Jun;98(3):506-17

Potent inhibitory effects of tyrosine metabolites on dihydropteridine reductase from human and sheep liver. Shen RS. **Biochim Biophys Acta** 1984 Mar 29;785(3):181-5

Neurochemical and behavioral consequences of acute, uncontrollable stress: effects of dietary tyrosine. Lehnert H, et al. **Brain Res** 1984 Jun 15;303(2):215-23

Effect of brain monoamine precursors on stress-induced behavioral and neurochemical changes in aged mice. Thurmond JB, et al. **Brain Res** 1984 Mar 26;296(1):93-102

Lactational response of dairy cows to oral administration of L-tyrosine. Rae RC, et al. **J Dairy Sci** 1984 Jul; 67(7):1430-8

The effect of dietary tyrosine levels on food intake in zinc-deficient rats. Reeves PG, et al. **J Nutr** 1984 Apr; 114(4):761-7

Diet-induced mood changes in normal populations. Leathwood PD, et al. **J Psychiatr Res** 1982-83;17(2):147-54 (22 ref.)

Mood, performance, and pain sensitivity: changes induced by food constituents. Lieberman HR, et al. **J Psychiatr Res** 1982-83;17(2):135-45 (32 ref.)

Tyrosine's pressor effect in hypotensive rats is not mediated by tyramine. Conlay LA, et al. **Life Sci** 1984 Sep 10; 35(11):1207-12

Tyrosine prevents behavioral and neurochemical correlates of an acute stress in rats. Reinstein DK, et al. **Life Sci** 1984 Jun 4;34(23):2225-31

Tyrosine and tryptophan influence on tonic immobility in the chicken. Lacy MP, et al. **Poult Sci** 1984 Jan; 63(1):176-81

The effects of tryptophan and tyrosine on human mood and performance. Lieberman HR, et al. **Psychopharmacol Bull** 1984 Summer;20(3):595-8

THERAPEUTIC USE

Tyrosine's vasoactive effect in the dog shock model depends on the animal's starting blood pressure. Conlay LA, et al. **J Neural Transm** 1983;58(1-2):69-74

Tyrosine for depression. Gelenberg AJ, et al. **J Psychiatr Res** 1982-83;17(2):175-80 (26 ref.)

TYROSINE AMINOTRANSFERASE

ANALYSIS

Absence of tyrosine aminotransferase multiple forms in several mammalian animals. Di Cola D, et al. **Comp Biochem Physiol [B]** 1983;76(1):87-91

Properties of purified tyrosine aminotransferase from adult and senescent rat liver. Szajnert MF, et al. **Gerontology** 1983;29(5):311-9

Age changes of isoelectric points of the molecular forms of tyrosine aminotransferase from rat liver. Wagner AP, et al. **Gerontology** 1983;29(5):299-304

Intrauterine malnutrition: amniotic fluid protein and enzymes

in rats. Agarwal KN, et al. **Indian Pediatr** 1983 Sep; 20(9):651–8

Differences in properties between aromatic amino acid: aromatic keto acid aminotransferases and aromatic amino acid: alpha-ketoglutarate aminotransferases. Chia YC, et al. **Life Sci** 1984 Jun 18;34(25):2443–52

BIOSYNTHESIS

Inhibition of hormonal induction of tyrosine aminotransferase by polyamines in freshly isolated rat hepatocytes. Auberger P, et al. **Biochem J** 1983 Sep 15;214(3):679–85

Morphine inhibition of the insulin-inducible form of hepatic tyrosine aminotransferase. Das S, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):951–4

Variations in some molecular events during the early phases of the Reuber H35 cell cycle. IV–regulation of tyrosine aminotransferase. van Wijk R, et al. **Biochimie** 1983 Nov–Dec;65(11–12):643–52

Induction of ornithine decarboxylase and augmentation of tyrosine aminotransferase activity by N–hydroxy–2–acetylaminofluorene and 2–acetylaminofluorene in rat liver. Influence of sex, retinylacetate, indomethacin, and pentachlorophenol. Bisschop A, et al. **Cancer Invest** 1984;2(4):267–77

Influence of chlorpromazine, reserpine and lithium carbonate upon the induction of the tyrosine aminotransferase (TAT) in the rat liver. Kröger H, et al. **Gen Pharmacol** 1983; 14(6):649–55

Induction of tyrosine aminotransferase under the influence of D–galactosamine. Kröger H, et al. **Int J Biochem** 1984; 16(6):703–5

Glucocorticoid activity of 11 beta,17 beta–dihydroxy–21–methyl–17 alpha–pregna–1,4,6–trien–20–yn–3–one (RU–26988). Gomez–Sanchez EP, et al. **J Steroid Biochem** 1983 Dec; 19(6):1819–22

[Changes in the content of matrix RNA coding tyrosine aminotransferase in the rat liver during hydrocortisone induction] Blinova NN, et al. **Biokhimiia** 1984 Mar; 49(3):470–8 (Eng. Abstr.) **(Rus)**

[Hormonal induction of liver tyrosine aminotransferase in animals with chronic poisoning by hepatotropic poisons] Sgibneva OV, et al. **Farmakol Toksikol** 1983 Jul–Aug; 46(4):103–7 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Persistent tyrosinemia associated with low activity of tyrosine aminotransferase. Andersson S, et al. **Pediatr Res** 1984 Jul; 18(7):675–8

Enzyme defect in a case of tyrosinemia type I, acute form. Furukawa N, et al. **Pediatr Res** 1984 May;18(5):463–6

GENETICS

Changes in hepatic levels of tyrosine aminotransferase messenger RNA during chemical hepatocarcinogenesis. Huang DP, et al. **Cancer Lett** 1984 Mar;22(2):143–9

A genetic analysis of extinction: trans–dominant loci regulate expression of liver–specific traits in hepatoma hybrid cells. Killary AM, et al. **Cell** 1984 Sep;38(2):523–34

Pretranslational control of tyrosine aminotransferase synthesis by 8–bromo–cyclic AMP in H–4 rat hepatoma cells. Culpepper JA, et al. **J Biol Chem** 1983 Nov 25; 258(22):13812–9

Inhibition by sodium butyrate of enzyme induction by glucocorticoids and dibutyryl cyclic AMP. A role for the rapid form of histone acetylation. Plesko MM, et al. **J Biol Chem** 1983 Nov 25;258(22):13738–44

Regulation of the synthesis of tyrosine aminotransferase: the relationship to mRNATAT. Granner DK, et al. **Mol Cell Biochem** 1983;53–54(1–2):113–28 (130 ref.)

Isolation and characterization of the rat tyrosine aminotransferase gene. Shinomiya T, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1346–50

[Biochemical criteria of mammalian cell sensitivity to glucocorticoids] Polotskaia AV, et al. **Biokhimiia** 1983 Nov;48(11):1849–54 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Organ specificity of glucocorticoid–sensitive tyrosine aminotransferase. Separation from aspartate aminotransferase isoenzymes. Hargrove JL, et al. **J Biol Chem** 1984 Jan 10;259(1):386–93

A facile purification of tyrosine aminotransferase that separates it from the isoenzymes of aspartate aminotransferase. Hargrove JL. **Prog Clin Biol Res** 1984; 144B:305–12

METABOLISM

Aspartate– and tyrosine transaminase activities in the organs of the rat during its breeding cycle. Arola L, et al. **Arch Int Physiol Biochim** 1983 Jul;91(2):109–14

The development of mixed function amine oxidase in cultured foetal rat hepatocytes and its relation to 3'–methyl–4–N,N–dimethylaminoazobenzene effects on tyrosine aminotransferase accumulation. Yeoh GC, et al. **Carcinogenesis** 1983 Nov;4(11):1499–501

The release of cytosolic proteins from cells treated with concanavalin A during scraping from plastic culture dishes. Sorimachi K, et al. **Exp Cell Res** 1983 Nov;149(1):307–10

Tyrosine aminotransferase: characteristics and properties. Groenewald JV, et al. **Int J Biochem** 1984;16(1):1–18

Stimulation of tyrosine aminotransferase degradation by methylthioinosine. Koontz JW, et al. **J Biol Chem** 1984 Jan 25;259(2):929–34

Possible involvement of cGMP in the control of tyrosine aminotransferase degradation in rat hepatocytes. Strinden ST, et al. **J Cell Physiol** 1983 Oct;117(1):69–75

Acute ethanol effects on rat liver tryptophan oxygenase and tyrosine aminotransferase. Rouach H, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:139–43

In vitro phosphorylation of tyrosine and 4–aminobutyrate aminotransferases by cAMP dependent protein kinase. Spielholz C, et al. **Prog Clin Biol Res** 1984;144B:57–66

[Phasic changes in the glucocorticoid receptor level of the liver cytosol in rats in stress] Bobkov AI, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun;(3):20–4 (Eng. Abstr.) **(Rus)**

[Mechanism of enzymatic regulation of tyrosine turnover in hyperthermia] Kurbanov Kh, et al. **Vopr Med Khim** 1983 Jul–Aug;29(4):69–73 (Eng. Abstr.) **(Rus)**

TYROSINE DECARBOXYLASE

ANALYSIS

Tyrosine decarboxylase. Spectrophotometric assay and application in determining pyridoxal–5'–phosphate. Phan AP, et al. **Appl Biochem Biotechnol** 1983 Apr;8(2):127–33

DIAGNOSTIC USE

Comparison of the use of L–tyrosine apodecarboxylase and D–serine apodehydratase for plasma pyridoxal phosphate assay. Lumeng L, et al. **J Nutr** 1984 Feb;114(2):385–92

TYROSINE HYDROXYLASE

ANALYSIS

Detection of inactive or less active forms of tyrosine hydroxylase in human adrenals by a sandwich enzyme immunoassay. Mogi M, et al. **Anal Biochem** 1984 Apr; 138(1):125–32

Changes in tyrosine hydroxylase and dopamine–beta–hydroxylase activities but not in phenylethanolamine–N–methyltransferase activity within central adrenaline neurons after 6–hydroxydopamine administration. Fety R, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1887–91

Dopaminergic neurones in various retinas and the postnatal development of tyrosine–hydroxylase immunoreactivity in the rabbit retina. Osborne NN, et al. **Histochemistry** 1984; 80(4):389–93

Identification and characterization of tyrosine hydroxylase immunoreactive amacrine cells. Brecha NC, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):66–70

Optimization of tyrosine hydroxylase immunocytochemistry in paraffin sections using pretreatment with proteolytic enzymes. Towle AC, et al. **J Histochem Cytochem** 1984 Jul;32(7):766–70

Muscarine increases tyrosine 3–monooxygenase activity and phospholipid metabolism in the superior cervical ganglion of the rat. Horwitz J, et al. **J Pharmacol Exp Ther** 1984 May;229(2):577–82

Coordinate morphological and biochemical interconversion of human neuroblastoma cells. Ross RA, et al. **JNCI** 1983 Oct;71(4):741–7

[Immunohistochemistry on tyrosine hydroxylase in the substantia nigra of human autopsied cases] Nakashima S, et al. **No To Shinkei** 1983 Oct;35(10):1023–9 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Regulatory mechanisms of dopamine biosynthesis at the tyrosine hydroxylase step. Goldstein M. **Ann NY Acad Sci** 1984;430:1–5 (23 ref.)

Differential inhibition of activated tyrosine hydroxylase. Bennett DB, et al. **Arch Biochem Biophys** 1983 Dec; 227(2):562–9

Adrenal and brain catecholamine responses to acute and chronic morphine administration to rats, after inhibition of tyrosine hydroxylase and monoamine oxidase. Guaza C, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):131–40

Different acute effects of the tyrosine hydroxylase inhibitors alpha–methyl–p–tyrosine and 3–iodo–L–tyrosine on hypothalamic noradrenaline activity and adrenocorticotrophin release in the rat. Smythe GA, et al. **Aust J Biol Sci** 1983;36(5–6):519–23

Inactivation of tyrosine hydroxylase by reduced pterins. Kuhn DM, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):894–900

Does the hypothalamic tyrosine–hydroxylase inhibition mediate the positive feedback of progesterone on gonadotropin release in women? Nicoletti I, et al. **Horm Metab Res** 1984 Mar;16(3):136–9

Insulin release pattern after blockade of catecholamine synthesis with alpha–methyl tyrosine in vivo. Mills J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul; 45(1):97–106

BIOSYNTHESIS

Acute effects of lithium chloride on noradrenergic neurons from rat cerebral cortex. Otero Losada ME, et al. **Gen Pharmacol** 1984;15(1):31–5

DEFICIENCY

Deficiency of tyrosine hydroxylase or tryptophan hydroxylase: a possible cause of two hypothetical metabolic diseases. Bartholomé K. **Acta Paediatr Scand** 1983 Nov; 72(6):921–2

DIAGNOSTIC USE

[A dopaminergic amacrine cells of the human retina: immunohistochemical demonstration using tyrosine hydroxylase] Le Hoang P, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:512–3 **(Fre)**

GENETICS

Biochemistry and molecular biology of catecholamine neurons: a single gene or gene family hypothesis. Joh TH, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):11–21

Cloning and characterization of rat–brain–specific transcripts: rare, brain–specific transcripts and tyrosine hydroxylase. Chikaraishi DM, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:309–18

Evidence for the existence of homologous gene coding regions for the catecholamine biosynthetic enzymes. Joh TH, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:327–35

Detection and regulation of the tyrosine hydroxylase mRNA levels in rat adrenal medulla and brain tissues. Mallet J, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 1:305–8

Regulation of tyrosine hydroxylase mRNA by glucocorticoid and cyclic AMP in a rat pheochromocytoma cell line. Isolation of a cDNA clone for tyrosine hydroxylase mRNA. Lewis EJ, et al. **J Biol Chem** 1983 Dec 10; 258(23):14632–7

ISOLATION & PURIFICATION

Simultaneous simple purification of tyrosine hydroxylase and dihydropteridine reductase. Togari A, et al. **Anal Biochem** 1983 Jul 1;132(1):183–9

Characterization of tyrosine hydroxylase from bovine adrenal medulla. Oka K, et al. **Biochem Int** 1983 Sep;7(3):387–93

METABOLISM

Effects of exercise on several adrenergic system parameters. Tarizzo VI, et al. **Act Physiol Pharamacol Latinoam** 1984; 34(1):55–63

Tyrosine hydroxylase activity in the brain and adrenal gland of rats following chronic administration of ethanol. Masserano JM, et al. **Alcoholism (NY)** 1983 Summer; 7(3):294–8

Neurochemical compensation after nigrostriatal bundle injury in an animal model of preclinical parkinsonism. Zigmond MJ, et al. **Arch Neurol** 1984 Aug;41(8):856–61

Age–dependent correlation of motor performance with neurotransmitter synthetic enzyme activities in mice. Ingram DK, et al. **Behav Neural Biol** 1983 Nov; 39(2):284–98

Effect of dexamethasone on biopterin levels and tyrosine hydroxylase activity in PC–12 cells. Culvenor AJ, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2361–6

Activation and inactivation of striatal tyrosine hydroxylase: the effects of pH, ATP and cyclic AMP, S–adenosylmethionine and S–adenosylhomocysteine. Mann SP, et al. **Biochem Pharmacol** 1983 Nov 15;32(22):3369–74

Reduced tyrosine hydroxylase activity in nigrostriatal system of sinoaortic–denervated rats. Alexander N, et al. **Brain Res** 1984 May 14;299(2):380–2

Chemical and structural analysis of the relation between cortical inputs and tyrosine hydroxylase–containing terminals in rat neostriatum. Bouyer JJ, et al. **Brain Res** 1984 Jun 8;302(2):267–75

Time course study of changes in the activity of the catecholamine synthesizing enzymes in the rat medulla oblongata after intraventricular injection of 6–hydroxydopamine. Fety R, et al. **Brain Res** 1983 Aug 8;272(2):277–82

Hormonal regulation of adult sympathetic neurons: the effects of castration on tyrosine hydroxylase activity. Hamill RW, et al. **Brain Res** 1984 May 14;299(2):331–7

Transient expression of tyrosine hydroxylase in some neurons of the developing inferior colliculus of the rat. Jaeger CB, et al. **Brain Res** 1983 Dec;313(1):128–32

Alterations in tyrosine hydroxylase activity elicited by raphe nuclei lesions in the rat locus coeruleus: evidence for the involvement of serotonin afferents. McRae–Degueurce A, et al. **Brain Res** 1982 Mar 11;235(2):285–301

Identification of catecholamine cell bodies in the pons and pons–mesencephalon junction of the cat brain, using tyrosine hydroxylase and dopamine–beta–hydroxylase immunohistochemistry. Miachon S, et al. **Brain Res** 1984 Jul 9;305(2):369–74

Morphology of primate's dopaminergic amacrine cells as revealed by TH–like immunoreactivity on retinal flat–mounts. Nguyen–Legros J, et al. **Brain Res** 1984 Mar 12;295(1):145–53

Dopaminergic neurons in the mediobasal hypothalamus of old rats: evidence for decreased affinity of tyrosine hydroxylase for substrate and cofactor. Reymond MJ, et

al. **Brain Res** 1984 Jun 25;304(2):215–23

A new group of neurons in hypothalamus containing phenylethanolamine N–methyltransferase (PNMT) but not tyrosine hydroxylase. Ross CA, et al. **Brain Res** 1984 Jul 23;306(1–2):349–53

A kinetic scattering approach to the non–linear instabilities of rat brain tyrosine hydroxylase preparations at several levels of tetrahydrobiopterin cofactor demonstrates evolutionary behavior characteristic of global dynamical systems. Russo PV, et al. **Brain Res** 1984 May 14; 299(2):313–22

Morphology, density and distribution of tyrosine hydroxylase–like immunoreactive cells in the retina of mice. Versaux–Botteri C, et al. **Brain Res** 1984 May 28; 301(1):192–7

Hypothalamic tyrosine hydroxylase activity and plasma gonadotropin and prolactin levels in ovariectomized–steroid treated rats. Babu GN, et al. **Brain Res Bull** 1984 May;12(5):555–8

Plasma gonadotropin, prolactin levels and hypothalamic tyrosine hydroxylase activity following intraventricular bombesin and secretin in ovariectomized conscious rats. Babu GN, et al. **Brain Res Bull** 1983 Jul;11(1):25–9

Transient expression of selected catecholaminergic traits in cranial sensory and dorsal root ganglia of the embryonic rat. Jonakait GM, et al. **Dev Biol** 1984 Jan;101(1):51–60

Increased tyrosine hydroxylase activity in central adrenaline neurons after reserpine treatment. Chamba G, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):243–8

Anatomical relationships of dopaminergic and GABAergic systems with the GnRH–systems in the septo–hypothalamic area. Immunohistochemical studies. Jennes L, et al. **Exp Brain Res** 1983;50(1):91–9

Reserpine induction of tyrosine hydroxylase in paraplegia. Hamill RW, et al. **Exp Neurol** 1984 Apr;84(1):241–8

Regulation of retinal dopamine biosynthesis and tyrosine hydroxylase activity by light. Iuvone PM. **Fed Proc** 1984 Sep;43(12):2709–13

Cyclic AMP–dependent protein kinase is not involved in the in vivo activation of tyrosine hydroxylase in the adrenal gland after decapitation. Tank AW, et al. **J Biol Chem** 1984 Jul 25;259(14):9269–76

Ultrastructural localization of tyrosine hydroxylase in rat nucleus accumbens. Bouyer JJ, et al. **J Comp Neurol** 1984 Jul 20;227(1):92–103

Distribution of tyrosine–hydroxylase–immunoreactive neurons in the hypothalamus of rats. Chan–Palay V, et al. **J Comp Neurol** 1984 Aug 20;227(4):467–96

Distribution of enkephalin, substance P, tyrosine hydroxylase, and 5–hydroxytryptamine immunoreactivity in the septal region of the rat. Gall C, et al. **J Comp Neurol** 1984 May 10;225(2):212–27

Golgi–like immunoperoxidase staining of dopamine neurons in the reticular formation of the rat brainstem using antibody to tyrosine–hydroxylase. Köhler C, et al. **J Comp Neurol** 1984 Feb 20;223(2):302–11

Neurotransmitter synthesizing enzymes in experimental viral encephalitis. Elizan TS, et al. **J Neural Transm** 1983; 57(3):139–47

Rapid activation of tyrosine hydroxylase in response to nerve growth factor. Greene LA, et al. **J Neurochem** 1984 Jun; 42(6):1728–34

Activation of tyrosine hydroxylase in the superior cervical ganglion by nicotinic and muscarinic agonists. Horwitz J, et al. **J Neurochem** 1984 Aug;43(2):546–52

Stimulation of DOPA synthesis in the superior cervical ganglion by veratridine. Horwitz J, et al. **J Neurochem** 1984 Feb;42(2):384–9

Unilateral activation of caudate tyrosine hydroxylase during voluntary circling behavior. Morgan ME, et al. **J Neurochem** 1984 Sep;43(3):737–41

Tyrosine hydroxylase in 'leaky' adrenal medullary cells: evidence for in situ phosphorylation by separate Ca2+ and cyclic AMP–dependent systems. Niggli V, et al. **J Neurochem** 1984 Sep;43(3):646–58

Age and strain comparisons of neurotransmitter synthetic enzyme activities in the mouse. Waller SB, et al. **J Neurochem** 1983 Nov;41(5):1421–8

Activation of tyrosine hydroxylase in the frontal cortex by phentolamine and prazosin. French TA, et al. **J Pharm Pharmacol** 1983 Sep;35(9):618–20

Alpha 2–adrenergic receptors influence tyrosine hydroxylase activity in retinal dopamine neurons. Iuvone PM, et al. **Life Sci** 1983 Dec 12;33(24):2455–63

In vivo and in vitro evidence of dopaminergic system down regulation induced by chronic L–DOPA. Ponzio F, et al. **Life Sci** 1984 May 28;34(22):2107–16

Tyrosine hydroxylase regulation in the central nervous system. Masserano JM, et al. **Mol Cell Biochem** 1983; 53–54(1–2):129–52 (191 ref.)

Relationship between activation and phosphorylation of tyrosine hydroxylase by 56 mm K+ in PC12 cells in culture. Yanagihara N, et al. **Mol Pharmacol** 1984 Jul; 26(1):141–7

Intranigral application of substance P antagonists prevents the haloperidol–induced activation of striatal tyrosine hydroxylase. Melis MR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):83–6

Coexistence of tyrosine hydroxylase–like and gamma–aminobutyric acid–like immunoreactivities in neurons of the arcuate nucleus. Everitt BJ, et al. **Neuroendocrinology** 1984 Aug;39(2):189–91

Developmental patterns of tyrosine hydroxylase activity in discrete central nervous system regions and serum LH and prolactin in the prepubertal rat. Jimenez AE, et al. **Neuroendocrinology** 1984 Feb;38(2):134–8

Influence of ACTH on tyrosine hydroxylase activity in the locus coeruleus of mouse brain. Markey KA, et al. **Neuroendocrinology** 1984 Apr;38(4):269–75

Morphometrical analysis of the distribution of luteinizing hormone–releasing hormone and tyrosine hydroxylase–immunoreactive nerve terminals within the lateral palisade zone of the median eminence of the male rat. Calza L, et al. **Neurosci Lett** 1983 Dec 30; 43(2–3):179–83

Oxytocinergic neurons with tyrosine hydroxylase–like immunoreactivity in the paraventricular nucleus of the rabbit hypothalamus. Schimchowitsch S, et al. **Neurosci Lett** 1983 Dec 23;43(1):55–9

Olfactory bulb dopamine neurons survive deafferentation–induced loss of tyrosine hydroxylase. Baker H, et al. **Neuroscience** 1984 Mar;11(3):605–15

Differential co–existence of neuropeptide Y (NPY)–like immunoreactivity with catecholamines in the central nervous system of the rat. Everitt BJ, et al. **Neuroscience** 1984 Feb;11(2):443–62

The effects of footshock and handling on tyrosine hydroxylase activity in synaptosomes and solubilised preparations from rat brain. Graham–Jones S, et al. **Neuroscience** 1983 Jul;9(3):679–86

Acute stimulation of ganglionic tyrosine hydroxylase activity by secretin, VIP and PHI. Ip NY, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):309–12

Photoperiod and temperature effects on adrenal tyrosine hydroxylase and its relation to nonshivering thermogenesis. Buchberger A, et al. **Pflugers Arch** 1983 Sep;399(1):79–82

Adenosine–dependent activation of tyrosine hydroxylase is defective in adenosine kinase–deficient PC12 cells. Erny R, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4974–8

Immunocytochemical characterization of the dopaminergic and noradrenergic innervation of the rat neocortex during early ontogeny. Berger B, et al. **Prog Brain Res** 1983; 58:263–7

Estradiol is concentrated in tyrosine hydroxylase–containing neurons of the hypothalamus. Sar M. **Science** 1984 Mar 2;223(4639):938–40

[Histopathological alteration of the central nervous system in rats, following long–term administration of manganese chloride—relation to the activity of the brain tyrosine hydroxylase] Nakashima S. **No To Shinkei** 1983 Jan; 35(1):91–9 (Eng. Abstr.) **(Jpn)**

TYROSINE PHENOL–LYASE see under **LYASES**

TYROSYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TYROTHRICIN

BIOSYNTHESIS

Peptide antibiotics and sporulation: induction of sporulation in asporogenous and peptide–negative mutants of Bacillus brevis. Modest B, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):747–55

PHARMACODYNAMICS

In vitro antibacterial activity of gramicidin and tyrothricin. Ruckdeschel G, et al. **Arzneimittelforsch** 1983; 33(12):1620–2

UBIQUINONE

ADMINISTRATION & DOSAGE

[Significance of nonsaponifiable constituents of dietary fats on the bioactivity of vitamin E] Koop R, et al. **Z Ernahrungswiss** 1983 Dec;22(4):271–86 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Effect of coenzyme Q10 on the survival time and lipid peroxidation of adriamycin (doxorubicin) treated mice. Shinozawa S, et al. **Acta Med Okayama** 1984 Feb; 38(1):57–63

Changes in the levels of endogenous coenzyme Q homologs, alpha–tocopherol, and glutathione in rat liver after hepatic ischemia and reperfusion, and the effect of pretreatment with coenzyme Q10. Marubayashi S, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):1–9

Localization of a ferricyanide–reactive site of cytochrome b–c1 complex, possibly of cytochrome b or ubisemiquinone, at the outer face of submitochondrial particles. Kunz WS, et al. **FEBS Lett** 1984 Jul 9;172(2):261–6

Isotachophoretic evidence for energy–preservating effect of coenzyme Q10 on isolated guinea–pig cardiac muscle. Aomine M, et al. **Gen Pharmacol** 1984;15(2):145–8

Macrophage activation with ubiquinones and their related compounds in mice. Saiki I, et al. **Int J Vitam Nutr Res** 1983;53(3):312–20

Cytochrome b, flavins, and ubiquinone–50 in enucleated human neutrophils (polymorphonuclear leukocyte cytoplasts). Lutter R, et al. **J Biol Chem** 1984 Aug 10; 259(15):9603–6

The restorative action of coenzyme Q10 in 2,4–dinitrophenol–depressed electrical and contractile activities of guinea–pig heart. Furukawa K, et al. **J Mol Cell Cardiol** 1983 Sep;15(9):595–602

Photostability of solid–state ubidecarenone at ordinary and elevated temperatures under exaggerated UV irradiation. Matsuda Y, et al. **J Pharm Sci** 1983 Oct;72(10):1198–203

Exogenous coenzyme Q attenuates the tension prolongation phenomenon. Nakamura Y, et al. **Jpn Circ J** 1984 Jan; 48(1):37–42

A protective action of coenzyme Q10 on chlorpromazine–induced cell damage in the cultured rat myocardial cells. Chiba M. **Jpn Heart J** 1984 Jan; 25(1):127–37

Combined treatment of coenzyme Q10 and aprotinin with intraaortic balloon pumping following aorto–coronary bypass surgery. Okamura T, et al. **Jpn J Surg** 1984 Mar; 14(2):97–103

Effect of lipoxygenase inhibitors, AA–861 and T–22083, on chemical mediators released from sensitized guinea–pig lung tissue. Ishihara Y, et al. **Prostaglandins** 1983 Oct; 26(4):623–9

[Chronic cardiotoxicity of anthracycline derivatives and possible prevention by coenzyme Q10] Tajima M. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1211–6 (Eng. Abstr.) **(Jpn)**

[Protective effects of coenzyme Q10 on the adverse reactions of anthracycline antibiotics: using double blind method—with special reference to hair loss] Akihama T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2125–9 (Eng. Abstr.) **(Jpn)**

[Protective effect of coenzyme Q10 in cardiotoxicity induced by adriamycin] Okuma K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):502–8 (Eng. Abstr.) **(Jpn)**

[Platelet aggregation and coenzyme Q10 content in platelets in cancer patients] Shinkai T, et al. **Gan To Kagaku Ryoho** 1984 Jan;11(1):87–96 (Eng. Abstr.) **(Jpn)**

[Investigation of the preventive effect of CoQ10 against the side–effects of anthracycline antineoplastic agents] Tsubaki K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1420–7 (Eng. Abstr.) **(Jpn)**

[Effect of coenzyme Q10 administration in experimental aortic stenosis and tachycardia] Igarashi K, et al. **Kokyu To Junkan** 1984 Jun;32(6):591–4 (Eng. Abstr.) **(Jpn)**

[Effects of coenzyme Q10 on cardiovascular and endocrine functions during haemorrhagic shock in dogs] Aoyagi N. **Masui** 1984 May;33(5):493–504 (Eng. Abstr.) **(Jpn)**

[Effect of coenzyme Q10 on the ischemic rat heart during halothane anesthesia in vitro] Kirihara T, et al. **Masui** 1984 Mar;33(3):251–5 (Eng. Abstr.) **(Jpn)**

[Effects of coenzyme Q10 on endocrine and cardiovascular functions during endotoxin shock in dogs] Nagao H. **Masui** 1984 May;33(5):505–14 (Eng. Abstr.) **(Jpn)**

[Effect of lipoxygenase inhibitors, AA–861 and T–22083, on chemical mediators release from sensitized guinea pig lung tissue] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):984–7 (Eng. Abstr.) **(Jpn)**

[The effect of coenzyme Q10 on the clinical course following heart surgery] Ishikura Y, et al. **Rinsho Kyobu Geka** 1984 May;4(3):312–6 (Eng. Abstr.) **(Jpn)**

[Protective and therapeutic properties of the ubiquinones H6CoQ4 and CoQ9 in gamma irradiation] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):63–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

alpha–Tocopherol and ubiquinones in rat brain subjected to decapitation ischemia. Abe K, et al. **Brain Res** 1983 Aug 22;273(1):166–9

Molecular basis for inhibition of mitochondrial respiration by naphthalene. Struble VG, et al. **Bull Environ Contam Toxicol** 1983 Dec;31(6):644–8

Phospholipids, vitamin A and ubiquinone of the Golgi apparatus subfractions from rat liver after acute ethanol intoxication. Casu A, et al. **Exp Pathol** 1984;25(4):251–5

Cellular fatty acid composition and ubiquinone content of Legionella feeleii sp. nov. Moss CW, et al. **J Clin Microbiol** 1983 Oct;18(4):917–9

Simultaneous determination of reduced and oxidized ubiquinones. Takada M, et al. **Methods Enzymol** 1984; 105:147–55

[Ubiquinone–9 of the flagellates Crithidia oncopelti and Astasia longa] Kogan LM, et al. **Prikl Biokhim Mikrobiol** 1983 Jul–Aug;19(4):552–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The modulating effect of an inhibitor of cholesterolgenesis present in bovine milk upon the synthesis of cholesterol, dolichol and ubiquinone. Dull BJ, et al. **Atherosclerosis** 1983 Dec;49(3):231–9

The effect of cholesterol on ubiquinone and tetrahymanol biosynthesis in Tetrahymena pyriformis. Wilton DC. **Biochem J** 1983 Oct 15;216(1):203–6

Effects of 3 beta–[2–(diethylamino)ethoxy]androst–5–en–17–one on the synthesis of cholesterol and ubiquinone in rat intestinal

epithelial cell cultures. Sexton RC, et al. **Biochemistry** 1983 Dec 6;22(25):5687–92

On the biosynthesis of ubiquinones in plant mitochondria. Lütke-Brinkhaus F, et al. **Eur J Biochem** 1984 Jun 15; 141(3):537–41

Biosynthesis of ubiquinone. Olson RE, et al. **Vitam Horm** 1983;40:1–43 (209 ref.)

BLOOD

The subcellular localization of ubiquinone in human neutrophils. Cross AR, et al. **Biochem J** 1983 Dec 15; 216(3):765–8

Subcellular localization of cytochrome b and ubiquinone in a tertiary granule of resting human neutrophils and evidence for a proton pump ATPase. Mollinedo F, et al. **J Biol Chem** 1984 Jun 10;259(11):7143–50

ISOLATION & PURIFICATION

Supercritical fluid chromatography. Gere DR. **Science** 1983 Oct 21;222(4621):253–9 (59 ref.)

METABOLISM

Electron transport in chromatophores from Rhodopseudomonas sphaeroides GA fused with liposomes. Snozzi M, et al. **Biochim Biophys Acta** 1984 Aug 31; 766(2):451–63

Flash-induced electron transfer through mitochondrial QH2: cytochrome c oxidoreductase in the presence of bacterial reaction centres and cytochrome c. Analysis of subsequent processes and effect of inhibitors. Zhu QS, et al. **Biochim Biophys Acta** 1984 Apr 26;765(1):48–57

Reductive titration of CoQ-depleted Complex III from Baker's yeast. Evidence for an exchange-coupled complex between QH . and low-spin ferricytochrome b. de la Rosa FF, et al. **FEBS Lett** 1983 Oct 31;163(1):140–3

Two protons are pumped from the mitochondrial matrix per electron transferred between NADH and ubiquinone. Wikström M. **FEBS Lett** 1984 Apr 24;169(2):300–4

Reconstruction of photosynthetic, cyclic electron transport system from photoreaction unit, ubiquinone-10 protein, cytochrome c2 and polar lipids purified from Rhodospirillum rubrum. Matsuda H, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):431–42

Phospholipid-enriched bacterial chromatophores. A system suited to investigate the ubiquinone-mediated interactions of protein complexes in photosynthetic oxidoreduction processes. Casadio R, et al. **J Biol Chem** 1984 Jul 25; 259(14):9149–57

PHARMACODYNAMICS

Antioxidative effect of ubiquinones on mitochondrial membranes. Landi L, et al. **Biochem J** 1984 Sep 1; 222(2):463–6

Influence of ubiquinone on the inhibitory effect of adriamycin on mitochondrial oxidative phosphorylation. Muhammed H, et al. **Biochem J** 1984 Jan 15;217(2):493–8

[Effects of ubiquinone (CoQ10) on hypoxic hypoxia] Sakai Y. **Masui** 1983 Jul;32(7):818–28 (Eng. Abstr.) **(Jpn)**

[Inhibition of incorporation of (2-14C) acetate into the free sterol fraction of hepatocytes as a result of treatment with ubiquinone-9] Novoselova EG. **Ukr Biokhim Zh** 1984 Mar-Apr;56(2):199–202 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The oxidation of external NADH by an intermembrane electron transfer in mitochondria from the ubiquinone-deficient mutant E3-24 of Saccharomyces cerevisiae. De Santis A, et al. **Arch Biochem Biophys** 1984 Jul;232(1):354–65

Fluidizing effect of endogenous ubiquinone in bovine heart mitochondrial membranes. Fato R, et al. **FEBS Lett** 1984 Jun 25;172(1):6–10

Relationship between lateral diffusion, collision frequency, and electron transfer of mitochondrial inner membrane oxidation-reduction components. Gupte S, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2606–10

THERAPEUTIC USE

Principia of cancer therapy. VI. Application of ubiquinone ointment for intractable radiation ulcers: an expanded cytochrome C effect? Okuyama S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec;30(1–4):36–9

[Protective and therapeutic properties of the ubiquinones H6CoQ4 and CoQ9 in gamma irradiation] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):63–6 (Eng. Abstr.) **(Rus)**

UDDER see **MAMMAE**

UDP GLUCURONOSYLTRANSFERASE

Effect of different detergent systems on the molecular size of UDP glucuronosyltransferase and other microsomal drug-metabolizing enzymes. Mackenzie PI, et al. **Membr Biochem** 1984;5(3):193–207

ANALYSIS

Molecular forms of glutathione S-transferase and UDP-glucuronyltransferase as hepatic preneoplastic marker enzymes. Sato K, et al. **Ann NY Acad Sci** 1983; 417:213–23

Optimal assay conditions for liver UDP-glucuronosyltransferase from the rainbow trout, Salmo gairdneri. Castrén M, et al. **Comp Biochem Physiol [C]** 1983;76(2):365–9

Multiple UDP-glucuronyl transferases from rat liver microsomes. Oguri K, et al. **Dev Toxicol Environ Sci** 1983; 11:391–4

Assessment of the Mulder and Van Doorn kinetic procedure and rapid centrifugal analysis of UDP-glucuronosyltransferase activities. Colin-Neiger A, et al. **J Biochem Biophys Methods** 1984 Mar;9(1):69–79

ANTAGONISTS & INHIBITORS

Depression of glucuronyltransferase activity by glucocorticoids in adult female mice. Hall RR, et al. **J Anim Sci** 1984 Jun;58(6):1412–7

Inhibition studies of microsomal UDP-glucuronosyltransferase activities by furosemide and salicylamide. Boutin JA, et al. **Pharmacol Res Commun** 1984 Mar;16(3):227–41

Structure-activity relationship in the effect of 1,4-benzodiazepines on morphine, aminopyrine and oestrone metabolism. Vega P, et al. **Res Commun Chem Pathol Pharmacol** 1984 May; 44(2):179–98

BIOSYNTHESIS

Cleavage of nascent UDP glucuronosyltransferase from rat liver by dog pancreatic microsomes. Mackenzie PI, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1441–9

The biosynthesis and induction of microsomal UDP-glucuronyltransferase in avian liver. Burchell B, et al. **Biochem Soc Trans** 1984 Feb;12(1):50–3

Induction by butylated hydroxyanisole of specific molecular forms of glutathione S-transferase and UDP-glucuronyltransferase and inhibition of development of gamma-glutamyl transpeptidase-positive foci in rat liver. Sato K, et al. **Carcinogenesis** 1984 Apr;5(4):473–7

Intralobular distribution of UDP-glucuronosyltransferase in livers from untreated, 3-methylcholanthrene- and phenobarbital-treated rats. Ullrich D, et al. **Chem Biol Interact** 1984 Feb;48(2):181–90

Assessment of drug metabolising enzyme activity in human fetuses and role of phenobarbitone as an inducing agent. Narang AP, et al. **J Assoc Physicians India** 1983 Apr; 31(4):217–9

Dose-related effects of phenobarbital on hepatic microsomal enzymes. Tavoloni N, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):20–7

DEFICIENCY

UDPglucuronosyltransferase deficiency in man and animals. Roy Chowdhury J, et al. **Biochem Soc Trans** 1984 Feb; 12(1):81–3

Liver, kidney, pancreas or heart transplants to correct uridine diphosphate glucuronyl transferase deficiency in RHA/N-J rats. Cavallini M, et al. **Trans Am Soc Artif Intern Organs** 1983;29:376–8

GENETICS

Cell-free translation of mouse liver mRNA coding for two forms of UDP glucuronosyltransferase. Mackenzie PI, et al. **Arch Biochem Biophys** 1984 May 1;230(2):676–80

ISOLATION & PURIFICATION

Separation, purification and characterization of three isoenzymes of UDP-glucuronyltransferase from rat liver microsomes. Falany CN, et al. **Arch Biochem Biophys** 1983 Nov;227(1):248–58

Purification and immunochemical characterization of a low-pI form of UDP glucuronosyltransferase from mouse liver. Mackenzie PI, et al. **Arch Biochem Biophys** 1984 Jun; 231(2):487–97

Kinetic properties of the rat intestinal microsomal 1-naphthol:UDP-glucuronosyl transferase. Inhibition by UDP and UDP-N-acetylglucosamine. Koster AS, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):76–85

METABOLISM

Studies of UDP-glucuronosyltransferase activity toward eugenol, using a gas chromatographic method of measurement. Boutin JA, et al. **Anal Biochem** 1983 Nov; 135(1):201–7

A rapid and sensitive method for the assay of UDP-glucuronosyltransferase activity toward bile acids. Matern H, et al. **Anal Biochem** 1983 Sep;133(2):417–24

Comparison between the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and six other compounds on the vitamin A storage, the UDP-glucuronosyltransferase and the aryl hydrocarbon hydroxylase activity in the rat liver. Thunberg T, et al. **Arch Toxicol** 1984 Mar;55(1):16–9

Enzymatic detoxification using lipophilic hollow-fiber membranes: I. Glucuronidation reactions. Brunner G, et al. **Artif Organs** 1984 May;8(2):161–6

Structural changes of liver microsomes in rat during neonatal life: influence on the glucuronidation rates of various substrates. Delpech I, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):29–34

The in vivo effect of benzamide and phenobarbital on liver enzymes: poly(ADP-ribose) polymerase, cytochrome P-450, styrene oxide hydrolase, cholesterol oxide hydrolase, glutathione S-transferase and UDP-glucuronyl transferase. Griffin MJ, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):770–5

Bilirubin diglucuronide formation by rat liver microsomes: demonstration by affinity and thin layer chromatography of bile pigment tetrapyrroles. Okuda H, et al. **Biochem Biophys Res Commun** 1983 Dec 16;117(2):406–12

UDP-glucuronyltransferase activity exhibits two developmental groups in liver from foetal rhesus monkeys. Leakey JE, et al. **Biochem J** 1983 Sep 15;214(3):1007–9

Effects of steroid hormones and xenobiotics on the pubertal development of UDP-glucuronosyltransferase activities towards androsterone and 4-nitrophenol in Wistar rats. Watanabe HK, et al. **Biochem J** 1984 Sep 1;222(2):321–6

Differences in UDP-glucuronosyltransferase activities in congenic inbred rats homozygous and heterozygous for the jaundice locus. Mackenzie PI, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3777–81

Structure-activity relationships of nitrosamines and nitramines which stimulate UDP-glucuronosyltransferase activities in vitro. Matsui M, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2647–51

Hepatic microsomal glucuronidation of clofibric acid in the adult and neonate albino rat. Odum J, et al. **Biochem Pharmacol** 1983 Dec 1;32(23):3565–9

Valproate glucuronidation by rat liver microsomes. Interaction with parahydroxyphenobarbital. Taburet AM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3859–61

Glucuronidation and glucosidation reactions in aquatic species in boreal regions. Hänninen O, et al. **Biochem Soc Trans** 1984 Feb;12(1):13–7

Kinetic properties of rat liver UDPglucuronosyltransferase during ontogenesis. Kiffel L, et al. **Biochem Soc Trans** 1984 Feb;12(1):105

Competition between sulphation and glucuronidation in the rat in vivo: enzyme kinetics and pharmacokinetics of conjugation. Mulder GJ, et al. **Biochem Soc Trans** 1984 Feb;12(1):17–20

Differential induction and glycosylation of UDP-glucuronosyltransferase. Owens IS, et al. **Biochem Soc Trans** 1984 Feb;12(1):54–5

Stereoselectivity and regioselectivity of uridine-5'-diphosphoglucuronosyltransferase toward vicinal dihydrodiols of polycyclic aromatic hydrocarbons. Lewis DA, et al. **Biochemistry** 1983 Dec 20;22(26):6297–303

Evidence indicating that UDP-N-acetylglucosamine does not appear to stimulate hepatic microsomal UDP-glucuronosyltransferase by interaction with the catalytic unit of the enzyme. Burchell B, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):309–13

Differential regulation by triiodothyronine of substrate-specific uridinediphosphoglucuronate glucuronosyl transferases in rat liver. Chowdhury JR, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):58–65

Kinetic studies of latent microsomal UDP-glucuronyltransferases. Kinetics of glucuronidation in intact and perturbant-treated membranes. Cummings J, et al. **Biochim Biophys Acta** 1984 Apr 11;771(2):127–41

Bilirubin content and 4-nitrophenol glucuronosyltransferase activity in Gunn rat liver. Celier C, et al. **Clin Sci** 1984 Apr;66(4):481–6

Studies of UDP-glucuronyltransferase activities in human liver microsomes. Bock KW, et al. **Drug Metab Dispos** 1984 Jan-Feb;12(1):93–7

Steroid 3- and 17-oh udp-glucuronosyltransferase activities in rat and rabbit liver microsomes. Falany CN, et al. **Drug Metab Dispos** 1983 Sep-Oct;11(5):426–32

The effect of the tumor promoter, phorbol myristate acetate (PMA), on hyaluronic acid (HA) synthesis by chicken embryo fibroblasts. Ullrich SJ, et al. **Exp Cell Res** 1983 Oct 15;148(2):377–86

Influence of sex and sex steroids on bilirubin uridine diphosphate-glucuronosyltransferase activity of rat liver. Muraca M, et al. **Gastroenterology** 1984 Aug;87(2):308–13

Studies of the catalytic mechanism of microsomal UDP-glucuronyltransferase. Alpha-glucuronidase activity and its stimulation by phospholipids. Hochman Y, et al. **J Biol Chem** 1984 May 10;259(9):5521–5

Evidence that UDP-glucuronyltransferase in liver microsomes at 37 degrees C is in a gel phase lipid environment. Hochman Y, et al. **J Biol Chem** 1983 Oct 10;258(19):11758–62

Glucuronidation of bile acids by rat liver 3-OH androgen UDP-glucuronyltransferase. Kirkpatrick RB, et al. **J Biol Chem** 1984 May 25;259(10):6176–80

Subcellular localization of hyaluronate synthetase in oligodendroglioma cells. Philipson LH, et al. **J Biol Chem** 1984 Apr 25;259(8):5017–23

Hepatic and extrahepatic glucuronidation of bile acids in man. Characterization of bile acid uridine 5'-diphosphate-glucuronosyltransferase in hepatic, renal, and intestinal microsomes. Matern S, et al. **J Clin Invest** 1984 Aug;74(2):402–10

Thermal acclimatization of hepatic polysubstrate monooxygenase and UDP-glucuronosyltransferase of mature rainbow trout (Salmo gairdneri). Koivusaari U. **J Exp Zool** 1983 Jul;227(1):35–42

The properties of UDP-glucuronyltransferase for

cannabinoids in rat liver microsomes. Watanabe K, et al. **J Pharmacobiodyn** 1983 Aug;6(8):581–7
Sex differences in the excretion of glucuronide conjugates: the role of intrarenal glucuronidation. Rush GF, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):658–62
Characteristics of renal UDP–glucuronyltransferase. Rush GF, et al. **Life Sci** 1984 Jul 9;35(2):145–53
Glucuronidation of 7–hydroxycoumarin in periportal and pericentral regions of the liver lobule. Conway JG, et al. **Mol Pharmacol** 1984 May;25(3):487–93
Effects of sorghum grain tannins and dietary protein on the activity of liver UDP–glucuronyltransferase. Sell DR, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):93–101
Effect of pretreatment with hydroxylated xenobiotics on the activities of rat liver UDP–glucuronosyl–transferases. Boutin JA, et al. **Xenobiotica** 1983 Dec;13(12):755–61
[Congenital nonhemolytic hyperbilirubinemia] Casanueva V, et al. **Rev Chil Pediatr** 1983 Sep–Oct;54(5):344–9 (Eng. Abstr.) **(Spa)**

UDP SUGARS see **URIDINE DIPHOSPHATE SUGARS**

ULCER

see related
CORNEAL ULCER
PEPTIC ULCER
SKIN ULCER

CHEMICALLY INDUCED

Prochlorperazine—an unusual cause of lip ulceration. Reilly GD, et al. **Acta Derm Venereol (Stockh)** 1984;64(3):270–1
2–Phenylpyrazolo[1,5–a]pyrimidin–7–ones. A new class of nonsteroidal antiinflammatory drugs devoid of ulcerogenic activity. Auzzi G, et al. **J Med Chem** 1983 Dec 26(12):1706–9
[Ulceration of the small intestine after potassium therapy] Leijonmarck CE, et al. **Lakartidningen** 1984 Jan 4; 81(1–2):29–32 (Eng. Abstr.) **(Swe)**

DIAGNOSIS

Painful anal ulceration in homosexual men. McMillan A, et al. **Br J Surg** 1984 Mar;71(3):215–6
B–mode real–time ultrasonic carotid imaging: impact on decision–making and prediction of surgical findings. Farber R, et al. **Neurology (NY)** 1984 Apr;34(4):541–4
Ulcerations of the tongue. Clinical manifestations of mucocutaneous and vesiculoulcerative diseases. Lynch DP. **Postgrad Med** 1984 Mar;75(4):191–203
Evaluation and management of acute genital ulcers in sexually active patients. Kraus SJ. **Urol Clin North Am** 1984 Feb;11(1):155–62
[Recurrence of ileocecal simple ulcer—follow–up study of 4 cases] Tada M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Aug;80(8):1636–40 **(Jpn)**

DRUG THERAPY

Oral zinc in the trophic ulcers of leprosy [letter] Mathur NK, et al. **Int J Lepr** 1983 Sep;51(3):410–1
[Experience in the use of SKN–1K sorbent in the treatment of purulent wounds] Taranenko LD, et al. **Klin Khir** 1984 Jan;(1):44–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Distinction by concanavalin A agglutination between ulceration and repair of rat bladder epithelium induced by freezing or cyclophosphamide and the effect of sodium saccharin. Suzuki T, et al. **Cancer Res** 1984 Jan;44(1):74–7
Genital ulcers caused by sexually transmitted diseases. Felman YM, et al. **Cutis** 1983 Sep;32(3):228, 231, 234 passim
Hepatitis B virus transmission in West Africa: a role for tropical ulcer? [letter] Foster O, et al. **Lancet** 1984 Mar 10;1(8376):576–7
Sclerotherapy for bleeding oesophageal varices—a fatal complication. A case report. Huizinga WK, et al. **S Afr Med J** 1984 Mar 17;65(11):436–8
Ulceration of the small intestine in a patient with celiac disease. Venturatos SG, et al. **South Med J** 1984 Apr; 77(4):520–2
The diabetic foot. Ward JD. **Wien Klin Wochenschr** 1984 Jan 6;96(1):17–20
[Intestinal ulcers in hemodialysis (letter)] Gago E, et al. **Med Clin (Barc)** 1983 Dec 3;81(18):833 **(Spa)**

MICROBIOLOGY

The bacteriology of infected malignant ulcers. Rotimi VO, et al. **J Clin Pathol** 1984 May;37(5):592–5
Recovery of Epstein–Barr virus from genital ulcers. Portnoy J, et al. **N Engl J Med** 1984 Oct 11;311(15):966–8

PATHOLOGY

[Solitary ulcer of the rectum. Considerations on a clinical case] Noya G, et al. **Minerva Chir** 1984 Apr 15;39(7):527–30 (Eng. Abstr.) **(Ita)**
[Solitary ulcer of the rectum] Skarstein A, et al. **Tidsskr Nor Laegeforen** 1984 Aug 10;104(22):1418–9 (Eng. Abstr.) **(Nor)**
[Granulation tissue: inflammation and regeneration] Shekhter AB, et al. **Arkh Patol** 1984;46(2):20–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiologic features of the solitary rectal ulcer syndrome. Castagnone D, et al. **Eur J Radiol** 1984 May;4(2):110–3

SURGERY

Fissurectomy with superficial midline sphincterotomy. A viable alternative for the surgical correction of chronic fissure/ulcer–in–ano. Bode WE, et al. **Dis Colon Rectum** 1984 Feb;27(2):93–5
[Gastrojejunal anastomotic ulcer] Yao YX. **Chung Hua Wai Ko Tsa Chih** 1983 Aug;21(8):468–9 **(Chi)**

THERAPY

A simple, disposable, hyperbaric oxygen device for the treatment of wounds. Ravina A, et al. **Isr J Med Sci** 1983 Sep;19(9):845–7
Promoted healing of chronic ulceration by transcutaneous nerve stimulation (TNS). Kaada B. **Vasa** 1983;12(3):262–9

VETERINARY

Perforated abomasal ulcers in adult dairy cows. Palmer JE, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):171–4
Bleeding abomasal ulcers in adult dairy cattle. Palmer JE, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):448–51

ULCER, APHTHOUS see **STOMATITIS, APHTHOUS**

ULNA

Congenital radio–ulnar synostosis. Miura T, et al. **J Hand Surg [Br]** 1984 Jun;9(2):153–5
Tamoxifen in the treatment of osseous metastatic breast cancer. A case report. Tepmongkol P. **J Med Assoc Thai** 1984 Mar;67(3):188–93
The distal radioulnar joint. Palmer AK. **Orthop Clin North Am** 1984 Apr;15(2):321–35
[Wrist joint deformities caused by multiple cartilaginous exostoses of the distal ulna] Löffler L, et al. **Z Orthop** 1984 Jan–Feb;122(1):78–82 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

The Schinzel syndrome in a mother and daughter. Hecht JT, et al. **Clin Genet** 1984 Jan;25(1):63–7
The femur, fibula, ulna (FFU) complex in siblings. Zlotogora J, et al. **Clin Genet** 1983 Dec;24(6):449–52
Treatment of monodactyly by the distraction–lengthening principle: a case report. Baruch AD, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):604–6
Congenital radioulnar synostosis. Simmons BP, et al. **J Hand Surg** 1983 Nov;8(6):829–38
Abnormalities of the spine in relation to congenital upper limb deficiencies. Powers TA, et al. **J Pediatr Orthop** 1983 Sep;3(4):471–4
[Lethal mandibulofacial and ulnofibular dysostosis] Poissonnier M, et al. **Ann Pediatr (Paris)** 1983 Nov; 30(9):713–7 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Estimation of stature from parts of ulna and tibia. Mysorekar VR, et al. **Med Sci Law** 1984 Apr;24(2):113–6
[The relative length of the radius and ulna at the wrist joint] Matzen PF, et al. **ZFA** 1983 Jul–Aug;38(4):269–72 (Eng. Abstr.) **(Ger)**
[Several anatamo–anthropologic features of the bones of the forearm] Nainis II, et al. **Arkh Anat Gistol Embriol** 1984 Mar;86(3):60–8 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Nutrition of interstitial lamellae of bone. Haines RW, et al. **Anat Anz** 1983;154(3):233–6
Blunt injury of the radial and ulnar arteries in volley ball players. A report of three cases of the antebrachial–palmar hammer syndrome. Kostianen S, et al. **Br J Sports Med** 1983 Sep;17(3):172–6
[Occlusion of the brachial and ulnar arteries caused by thrombosis in 2 children with congenital defects of the cardiovascular system] Ritter A, et al. **Pediatr Pol** 1983 Aug–Sep;58(8–9):721–5 **(Pol)**

GROWTH & DEVELOPMENT

Distal ulnar growth arrest. Nelson OA, et al. **J Hand Surg [Am]** 1984 Mar;9(2):164–70

INJURIES

Posterior dislocation of the ulna at the elbow with associated fracture of the radial shaft. Barquet A. **Injury** 1984 May; 15(6):390–2
Simultaneous dislocation of the elbow and the proximal radio–ulnar joint. Carey RP. **J Bone Joint Surg [Br]** 1984 Mar;66(2):254–6

MICROBIOLOGY

[Septic and non–septic olecranon bursitis. Symptoms, differential diagnosis and treatment] Johansen TE. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1059–61 (Eng. Abstr.) **(Nor)**

PATHOLOGY

Morphological variations in ulnar supinator crests and fossae as identifying markers of occupational stress. Kennedy KA. **J Forensic Sci** 1983 Oct;28(4):871–6
[Detachment of the anconeal process in swine] Häni H. **Schweiz Arch Tierheilkd** 1984 Mar;126(3):141–53 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The load on the radius and ulna in different positions of the wrist and forearm. A cadaver study. Ekenstam FW af, et al. **Acta Orthop Scand** 1984 Jun;55(3):363–5
Regulation of bone formation by applied dynamic loads. Rubin CT, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):397–402
[Mechanical strain in the forearm bones] Opitz A. **Wien Klin Wochenschr [Suppl]** 1983;141:1–27 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The effects of angular and rotational deformities of both bones of the forearm. An in vitro study. Tarr RR, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):65–70

RADIOGRAPHY

Computed tomography of the normal radioulnar joints. Cone RO, et al. **Invest Radiol** 1983 Nov–Dec;18(6):541–5
Congenital annular bands in identical twins. A case report. Zionts LE, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):450–3
[Superior radio–ulnar synostosis following fracture of the neck of the radius in children. Apropos of 4 cases] Lefort J, et al. **Rev Chir Orthop** 1984;70 Suppl 2:105–9 **(Fre)**

SURGERY

Synovectomy with resection of the distal ulna in rheumatoid arthritis of the wrist. Jensen CM. **Acta Orthop Scand** 1983 Oct;54(5):754–9
Kienböck's disease. Results of treatment with ulnar lengthening. Sundberg SB, et al. **Clin Orthop** 1984 Jul–Aug; (187):43–51
Desmoplastic fibroma of the ulna. A case report. Thirupathi RG, et al. **Clin Orthop** 1983 Oct;(179):231–8
Management of deformities of the forearm in multiple hereditary osteochondromas. Fogel GR, et al. **J Bone Joint Surg [Am]** 1984 Jun;66(5):670–80
[Animal experiment procedure for the mechanical testing of the adhesive strength of the implant/bone bond] Eulenberger J, et al. **Schweiz Monatsschr Zahnmed** 1984 Jul;94(7):580–7 (Eng. Abstr.) **(Ger)**
[Olecranon bursitis. Hospitalized operated patients in Vestfold County 1973–1982] Johansen TE, et al. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1043–5 (Eng. Abstr.) **(Nor)**

ULNA FRACTURES

Posterior dislocation of the radial head without fracture of the ulna. A case report. Ryu J, et al. **Clin Orthop** 1984 Mar;(183):169–72

COMPLICATIONS

Post–traumatic radioulnar synostosis. A report of two cases. Maempel FZ. **Clin Orthop** 1984 Jun;(186):182–5
Stress fracture of the radius following a fracture of the ulna diaphysis. Perry CR, et al. **Clin Orthop** 1984 Jul–Aug; (187):193–8
Tardy posterior interosseous nerve palsy as a result of an unreduced radial head dislocation in Monteggia fractures: a report of two cases. Holst–Nielsen F, et al. **J Hand Surg [Am]** 1984 Jul;9(4):572–5
[Radial nerve injury complicating Monteggia's fracture] Shen JW. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):695–6 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Bilateral distal radius and ulnar shafts in adolescent weight lifters [letter] Herrick RT. **Am J Sports Med** 1983 Sep–Oct; 11(5):369
Fracture through a geode in the proximal ulna. Wordsworth BP, et al. **Br J Rheumatol** 1984 May;23(2):110–2
Fatigue fracture of the ulna. Case report. Inoue H, et al. **Kurume Med J** 1983;30(4):143–7

PHYSIOPATHOLOGY

The effects of angular and rotational deformities of both bones of the forearm. An in vitro study. Tarr RR, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):65–70
[Fractures of the trochlear notch of the ulna in children. Biomechanical and morphological differentiation from the typical injury picture in adults] Lorenz R, et al. **Aktuel Traumatol** 1983 Oct;13(5):186–9 (Eng. Abstr.) **(Ger)**
[Changes in the echographic picture during healing of fractures of the bones of the upper limbs in children] Sapozhnikov VG. **Ortop Travmatol Protez** 1984 Apr; (4):50–1 **(Rus)**

RADIOGRAPHY

[Monteggia's fracture in children] Tanbo T, et al. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):236–9 (Eng. Abstr.) (Nor)

[Monteggia's injury] Underdal R. **Tidsskr Nor Laegeforen** 1983 Jun 20;103(17–18):1382–91 (Eng. Abstr.) (Nor)

SURGERY

Bends made easy. Finlayson D, et al. **Injury** 1983 Sep; 15(2):145

The paraskeletal clamp-on plate. Part II. Clinical experience with fractures of the radius and/or ulna. Mennen U. **S Afr Med J** 1984 Aug 4;66(5):170–2

[Surgical treatment of childhood fractures in the area of the elbow joint] Korbelář P, et al. **Acta Chir Orthop Traumatol Cech** 1983 Dec;50(6):535–47 (Eng. Abstr.) (Cze)

[Fractures of the diaphyses of the bones of the forearm in children] Mrzena V. **Acta Chir Orthop Traumatol Cech** 1984 Jun;51(3):253–7 (Eng. Abstr.) (Cze)

[Complex injuries of the upper end of the 2 forearm bones] Beaufils P, et al. **Rev Chir Orthop** 1983;69(4):303–16 (Eng. Abstr.) (Fre)

[Stable osteosynthesis using anchor plates in the treatment of olecranon fractures] Matwin B. **Unfallheilkunde** 1984 Apr;87(4):156–62 (Eng. Abstr.) (Ger)

[Results of treatment in epiphysiolysis of the distal forearm] Rütt J, et al. **Unfallheilkunde** 1983 Nov;86(11):492–6 (Eng. Abstr.) (Ger)

[Use of the AO plate as external fixation] Marti R, et al. **Z Orthop** 1984 Mar–Apr;122(2):225–32 (Eng. Abstr.) (Ger)

[Experience with the surgical management of childhood forearm fractures] Ihász M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):56–66 (Eng. Abstr.) (Hun)

[Osteosynthesis of olecranon fractures with the brace technic] Barile L, et al. **Arch Putti Chir Organi Mov** 1983;33:253–60 (Eng. Abstr.) (Ita)

[Treatment of neglected fractures of the diaphysis of the humerus and bones of the elbow joint region complicated by peripheral nerve injuries] Razenkov NN, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):48–50 (Eng. Abstr.) (Rus)

[Stable functional osteosynthesis of the forearm bones] Ankin LN. **Ortop Travmatol Protez** 1984 May;(5):28–31 (Eng. Abstr.) (Rus)

[Surgical treatment of fractures of the olecranon] Kovalishin IV, et al. **Ortop Travmatol Protez** 1984 Jan;(1):47–8 (Rus)

[Treatment of complicated diaphyseal fractures of the forearm bones by the method of combined intraosseous and transosseous osteosynthesis] Sidorenkov OK, et al. **Ortop Travmatol Protez** 1984 Feb;(2):20–3 (Eng. Abstr.) (Rus)

[Compression osteosynthesis in the treatment of pseudarthroses of the forearm bones] Tkachenko SS, et al. **Ortop Travmatol Protez** 1984 Feb;(2):16–20 (Eng. Abstr.) (Rus)

[Surgical treatment of inveterate Monteggia's injuries in children] Tloka VA, et al. **Ortop Travmatol Protez** 1984 Feb;(2):45–6 (Rus)

THERAPY

Treatment of nonuniting osteotomies with pulsating electromagnetic fields. A controlled animal experiment. Enzler MA, et al. **Clin Orthop** 1984 Jul–Aug;(187):272–6

Traumatic plastic deformation of the radius and ulna. A closed method of correction of deformity. Sanders WE, et al. **Clin Orthop** 1984 Sep;(188):58–67

The Monteggia lesion in children. Fracture of the ulna and dislocation of the radial head. Fowles JV, et al. **J Bone Joint Surg [Am]** 1983 Dec;65(9):1276–82

Management of concomitant ipsilateral fractures of the humerus and forearm. Rogers JF, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):552–6

The treatment of isolated fractures of the distal ulna. Dymond IW. **J Bone Joint Surg [Br]** 1984 May;66(3):408–10

The failure of casual treatment for nondisplaced ulna shaft fractures. Hoffer MM, et al. **J Trauma** 1984 Aug; 24(8):771–3

The Monteggia lesion in children [editorial] **Lancet** 1984 Mar 24;1(8378):664

[Fractures of the olecranon. Study of 200 cases] André S, et al. **Rev Chir Orthop** 1983;69(8):629–36 (Eng. Abstr.) (Fre)

[Errors and complications in conservative and surgical treatment of diaphyseal fractures of the forearm bones] Ismanskiĭ SG. **Vestn Khir** 1983 Jul;131(7):129–30 (Rus)

VETERINARY

Treatment of radial-ulnar and tibial fractures in cattle, using a modified Thomas splint-cast combination. Adams SB, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):430–3

Retrospective analysis of 29 fractures of the olecranon process of the equine ulna. Donecker JM, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):183–9

Ulnar fracture and dislocation of the proximal radial epiphysis (Monteggia lesion) in the dog and cat: a review of 28 cases. Schwarz PD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):190–4

Arthrosis in the elbow joint of young rapidly growing dogs. VII. Occurrence in the Rottweiler breed. Grøndalen J. **Nord Vet Med** 1982 Mar;34(3):76–82

Arthrosis in the elbow joint of young rapidly growing dogs. VI. Interrelation between clinical, radiographical and pathoanatomical findings. Grøndalen J. **Nord Vet Med** 1982 Mar;34(3):65–75

Fractures of the olecranon. Turner AS. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):275–83

ULNAR NERVE

The flexed elbow and sleep [letter] Walpin LA. **Arch Phys Med Rehabil** 1984 Jan;65(1):51

Ulnar nerve palsy in a haemophiliac due to intraneural haemorrhage. Cordingley FT, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):18–9

Synovial cyst and ulnar nerve entrapment. A case report. Keret D, et al. **Clin Orthop** 1984 Sep;(188):213–6

Irritative neuritis of the dorsal sensory branch of the ulnar nerve from underlying ganglion. Lucas GL. **Clin Orthop** 1984 Jun;(186):216–9

Angiography of a hand with symptoms of an ulnar nerve entrapment syndrome. Kinnunen J, et al. **Eur J Radiol** 1984 Aug;4(3):181–2

Metastatic calcification as a cause of ulnar nerve compression at the wrist. Sharara KH, et al. **Hand** 1983 Oct;15(3):300–4

Entrapment of the ulnar nerve in the callus of a supracondylar fracture of the humerus. Lalanandham T, et al. **Injury** 1984 Sep;16(2):129–30

A case of cubital tunnel syndrome caused by the snapping of the medial head of the triceps brachii muscle. Hayashi Y, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):96–9

Acute compression ulnar neuropathy at Guyon's canal resulting from lipoma. Zahrawi F. **J Hand Surg [Am]** 1984 Mar;9(2):238–9

Ulnar tunnel syndrome. Grundberg AB. **J Hand Surg [Br]** 1984 Feb;9(1):72–4

Ulnar nerve calcification and abscess formation in two cases of primary mononeuritic leprosy. Samuel S, et al. **Lepr Rev** 1984 Jun;55(2):173–6

Treatment of ulnar and median nerve function loss in borderline leprosy. Touw-Langendijk EM, et al. **Lepr Rev** 1984 Mar;55(1):41–46

Ulnar compression neuropathy due to an occult post-traumatic synovial cyst. Barss P. **Med J Aust** 1984 Mar 31;140(7):428–9

Video-game palsy: distal ulnar neuropathy in a video-game enthusiast [letter] Friedland RP, et al. **N Engl J Med** 1984 Jul 5;311(1):58–9

Distal ulnar neuropathy. Streib EW, et al. **Nebr Med J** 1984 Jul;69(7):218–21

Spasmodic torticollis as a cause of ulnar nerve entrapment. Weingarden SI, et al. **Neurosurgery** 1984 Mar;14(3):332–4

[Cubital nerve compression at the elbow by a supernumerary muscle (letter)] Mabin D, et al. **Presse Med** 1983 Dec 17; 12(46):2947 (Fre)

[Epitrochleoplasty: a method for release and protection of the ulnar nerve at the elbow] de la Caffinière JY, et al. **Rev Chir Orthop** 1983;69(8):649–51 (Eng. Abstr.) (Fre)

[Late ulnar paralysis. Study of a series of 17 cases] Mansat M, et al. **Sem Hop Paris** 1984 Feb 16;60(8):553–8 (Eng. Abstr.) (Fre)

[Etiology, diagnosis and treatment of tardy ulnar nerve palsy] Paul U. **Beitr Orthop Traumatol** 1984 Feb;31(2):84–8 (Eng. Abstr.) (Ger)

[Results of the surgical treatment of ulnar nerve neuropathy in the elbow area] Nigst H. **Handchir Mikrochir Plast Chir** 1983 Dec;15(4):212–20 (Eng. Abstr.) (Ger)

[Clinical and electrophysiological diagnosis of the carpal and cubital syndrome] Brzović Z, et al. **Neurologija** 1982; 30(1–4):83–90 (Eng. Abstr.) (Scr)

ANATOMY & HISTOLOGY

Electrophysiological verification of the ulnar to median nerve communications in the hand and forearm. Kimura I, et al. **Tohoku J Exp Med** 1983 Nov;141(3):269–74

BLOOD SUPPLY

[Vascularization of the ulnar nerve of the arm] Lebreton E, et al. **Bull Assoc Anat (Nancy)** 1983 Mar;67(196):111–5 (Eng. Abstr.) (Fre)

DRUG EFFECTS

Effects of lead exposure on peripheral nerve in the cynomolgus monkey. Purser DA, et al. **Br J Ind Med** 1983 Nov;40(4):402–12

INJURIES

Handcuff neuropathy: two unusual cases. Levin RA, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):41–3

Ulnar nerve injury after general anaesthesia and intravenous infusion. Brahams D. **Lancet** 1984 Jun 9;1(8389):1306

Nerve injuries associated with wrist trauma. McCarroll HR Jr. **Orthop Clin North Am** 1984 Apr;15(2):279–87

[Cubital tunnel syndrome] Xin SQ, et al. **Chung Hua I Hsueh Tsa Chih** 1983 Aug;63(8):511–4 (Chi)

[Computer tomography and electromyography studies in patients with traumatic neuropathy] Krause P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Feb;36(2):91–4 (Eng. Abstr.) (Ger)

[Glass splinter causing a non-severing injury to the ulnar nerve] Simonka JA, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):155–7 (Hun)

[Microsurgical method of transplantation of peripheral nerves] Kasprzak H, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):259–66 (Eng. Abstr.) (Pol)

[Treatment of neglected fractures of the diaphysis of the humerus and bones of the elbow joint region complicated by peripheral nerve injuries] Razenkov NN, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):48–50 (Eng. Abstr.) (Rus)

[Case of successful treatment of a patient with a gunshot wound of the neurovascular bundle at the level of the upper 3d of the left arm] Timokhov SA, et al. **Klin Khir** 1984 Jul;(7):76 (Rus)

[Treatment of injuries of the median and ulnar nerves in children] Dol'nitskiĭ OV, et al. **Ortop Travmatol Protez** 1983 Oct;(10):34–9 (Eng. Abstr.) (Rus)

[Diagnosis and indications for the surgical treatment of nerve injuries of the hand and fingers at remote periods after trauma] Grishin IG, et al. **Sov Med** 1983;(8):99–101 (Rus)

[Effect of mud therapy on peripheral circulation in patients with sequelae of peripheral nerve injuries of the limbs] Vishniakov AIu. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun;(3):63–4 (Rus)

[Determination of the thermotopography of the hand using a thermograph and liquid crystals in children with injuries of the median and ulnar nerves] Dol'nitskiĭ OV, et al. **Zh Nevropatol Psikhiatr** 1983;83(8):1156–8 (Eng. Abstr.) (Rus)

[Epineural suture of the median and ulnar nerves in children] Goven'ko FS. **Zh Vopr Neirokhir** 1984 Mar–Apr;(2):35–8 (Eng. Abstr.) (Rus)

[Results of interfascicular autotransplantation in the treatment of traumatic injuries of the median and ulnar nerves] Shevelev IN, et al. **Zh Vopr Neirokhir** 1983 Sep–Oct; (5):45–51 (Eng. Abstr.) (Rus)

[Indications and methods of treatment of injuries of the peripheral nerves. Comparative clinical results of the management of the median nerve and ulnar nerve using the epineural, perineural fascicular suture and transplantation] Margić K, et al. **Acta Chir Iugosl** 1983; 30(2):173–85 (Eng. Abstr.) (Ser)

PATHOLOGY

Anconeus epitrochlearis, a rare cause of cubital tunnel syndrome: a case report. Dahners LE, et al. **J Hand Surg [Am]** 1984 Jul;9(4):579–80

Ulnar nerve entrapment neuropathy in the forearm. Holtzman RN, et al. **J Hand Surg [Am]** 1984 Jul;9(4):576–8

[Isolated compression of the motor branch of the ulnar nerve] Chaise F, et al. **Sem Hop Paris** 1984 Mar 1;60(10):694–7 (Eng. Abstr.) (Fre)

[Histopathological study of the cubital epineurium in patients with undifferentiated forms of Hansen's disease] Katz DR, et al. **Hansenol Int** 1983 Jun;8(1):22–45 (Eng. Abstr.) (Por)

PHYSIOLOGY

Relationship between sensory nerve conduction and temperature of the hand. Koczocik-Przedpelska J, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):21–8

Sensory nerve conduction velocities in forelimb of ponies. Blythe LL, et al. **Am J Vet Res** 1983 Aug;44(8):1419–26

Sensory nerve conduction velocity of cutaneous afferents of the radial, ulnar, peroneal, and tibial nerves of the cat: reference values. Redding RW, et al. **Am J Vet Res** 1984 May;45(5):1042–5

Tactile evaluation of the posttetanic count (PTC). Howardy-Hansen P, et al. **Anesthesiology** 1984 Apr; 60(4):372–4

Milliamperage requirements for supramaximal stimulation of the ulnar nerve with surface electrodes. Kopman AF, et al. **Anesthesiology** 1984 Jul;61(1):83–5

The hand neural communication between the ulnar and median nerves: electrophysiological detection. Kimura I, et al. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul; 24(5):409–14

Ulnar and posterior tibial nerve conduction velocity in athletes. Kamen G, et al. **Int J Sports Med** 1984 Feb; 5(1):26–30

Reaction of peripheral motor nerves to local cryomassage. Blažević A. **Neurologija** 1983;31(1–2):39–46

Absolute refractory period of the ulnar nerve motor fibers in the human newborn. Duron B, et al. **Neurosci Lett** 1984 Mar 9;45(1):95–8

[Normal sensory nerve conduction velocities of the median and ulnar nerves in children from birth to 15 years] Brunon AM, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Jun;14(1):69–73 (Eng. Abstr.) (Fre)

[Effect of electrophoresis on electroneuromyographic indices in healthy persons] Skvortsov IA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul–Aug;(4):10–3 (Eng. Abstr.) (Rus)

[Electrophysiological study of the variations in innervation of the hand muscles] Rey RC, et al. **Arq Neuropsiquiatr** 1984 Mar;42(1):14–9 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Preliminary clinical evaluation of the digital electroneurometer. Rosier RN, et al. **Biomed Sci Instrum** 1984;20:55–62

The use of regression equations in the localization of ulnar and peroneal nerve lesions. Pickett JB. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):361–8

Localizing ulnar nerve lesions to the elbow by motor conduction studies. Pickett JB, et al. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):343–60

Local warming in myasthenia gravis. Stamboulis E, et al. **Electromyogr Clin Neurophysiol** 1984 Jun–Jul;24(5):429–35

Collès' fractures in young adults. Eelma J, et al. **Minn Med** 1983 Aug;66(8):487–90

Early electrodiagnosis of the ulnar entrapment neuropathy at the elbow. Kimura I, et al. **Tohoku J Exp Med** 1984 Feb;142(2):165–72

[Post-diphtheria polyneuropathies] Shmidt TE, et al. **Sov Med** 1984;(4):112–3 **(Rus)**

SURGERY

Clinical electrophysiologic assessment of ulnar nerve transposition in tuberculoid leprosy. Amer MA, et al. **Int J Dermatol** 1983 Oct;22(8):481–4

Compression and entrapment neuropathies of the upper extremity. Eversmann WW Jr. **J Hand Surg** 1983 Sep;8(5 Pt 2):759–66

The treatment of the cubital tunnel syndrome. Adelaar RS, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):90–5

Transfer of sensory nerves in hand surgery. Bedeschi P, et al. **J Hand Surg [Br]** 1984 Feb;9(1):46–9

[Late sutures of the median and ulnar nerves] Goven'ko FS. **Ortop Travmatol Protez** 1983 Sep;(7):37–40 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Experience with vascularized nerve grafts. Bonney G, et al. **Clin Plast Surg** 1984 Jan;11(1):137–42

ULTRASTRUCTURE

[Giant-axon polyneuropathy (case report)] Badurska B, et al. **Neurol Neurochir Pol** 1983 May–Jun;17(3):367–71 (Eng. Abstr.) **(Pol)**

ULTIMOBRANCHIAL BODY

see related
CALCITONIN

Pheochromocytomas and ultimobranchial (C-cell) neoplasms in the bull: evidence of autosomal dominant inheritance in the Guernsey breed. Spoonenberg DP, et al. **Vet Pathol** 1983 Jul;20(4):396–400

ANALYSIS

Hypocalcemic potency of the ultimobranchial gland in some urodelan amphibians. Oguro C, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):272–7

CYTOLOGY

Ultimobranchial gland of the domestic fowl. Two types of secretory cells involved in calcitonin metabolism. Treilhou-Lahille F, et al. **Cell Tissue Res** 1984; 235(2):439–48

METABOLISM

Ultrastructural localization of immunoreactive calcitonin in the two cell types of the ultimobranchial gland of the common toad (Bufo bufo L.). Treilhou-Lahille F, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):241–51

ULTRACENTRIFUGATION

The EMIT FreeLevel ultrafiltration technique compared with equilibrium dialysis and ultracentrifugation to determine protein binding of phenytoin. Oellerich M, et al. **Clin Pharmacokinet** 1984 Jan;9 Suppl 1:61–70

INSTRUMENTATION

A versatile recycling system for the COBAS-BIO cuvette rotor [letter] Batjer JD, et al. **Clin Chem** 1984 Jul;30(7):1261

Tube inserts as aids in preparative ultracentrifugation. Polson A, et al. **Prep Biochem** 1983;13(5):423–36

METHODS

An automated method for determination of the sedimentation coefficient of macromolecules using a preparative centrifuge. Attri AK, et al. **Anal Biochem** 1984 Feb; 136(2):407–15

An automated method for determination of the molecular weight of macromolecules via sedimentation equilibrium in a preparative ultracentrifuge. Attri AK, et al. **Anal Biochem** 1983 Aug;133(1):142–52

[Fractionation of serum lipoproteins into VLDL, LDL, HDL, HDL2, and HDL3 by 1-step ultracentrifugation] Hata Y, et al. **Rinsho Byori** 1983 Jun;31(6):634–40 **(Jpn)**

[Estimation of lipoproteins using an analytical ultracentrifugal automatic data processor and its clinical application] Hirabaru K. **Rinsho Byori** 1983 Jul; 31(7):745–62 **(Jpn)**

ULTRAFILTRATION

see related
MICROPORE FILTERS

The use of continuous arteriovenous hemofiltration in intensive care medicine. Schetz M, et al. **Acta Anaesthesiol Belg** 1984 Mar;35(1):67–78

Blood filterability and hemoglobin-oxygen affinity in diabetic patients with and without retinopathy. Martins-Silva J, et al. **Acta Diabetol Lat** 1984 Apr–Jun;21(2):133–9

Preparation and sterilization by filtration of Renacidin irrigation. Newton DW, et al. **Am J Hosp Pharm** 1984 Jan; 41(1):121–4

Ultrafiltration by hyperosmotic peritoneal dialysis fluid excludes intracellular solutes. Maher JF, et al. **Am J Nephrol** 1984 May–Jun;4(3):169–72

Determinants of oxygenation during hemodialysis and related procedures. A report of data acquired under varying conditions and a review of the literature. Sherlock J, et al. **Am J Nephrol** 1984 May–Jun;4(3):158–68

Hematocrit and blood volume control during cardiopulmonary bypass with the use of hemofiltration. Klineberg PL, et al. **Anesthesiology** 1984 May;60(5):478–80

Blood purification in acute renal failure. Twardowski ZJ, et al. **Ann Intern Med** 1984 Mar;100(3):447–9

Sequential ultrafiltration in children on periodic hemodialysis. López-Uriarte A, et al. **Arch Invest Med (Mex)** 1983;14(3):275–86 **(Eng, Spa)**

Effect of plasma proteins on the sieving spectra of hemofilters. Feldhoff P, et al. **Artif Organs** 1984 May; 8(2):186–92

Determination of erythrocytes transit times through a 5 mu 'nuclepore' filter. Koutsouris D, et al. **Biorheology** 1983; 20(6):779–87

Indices of filterability of red blood cell suspensions. Skalak R, et al. **Biorheology** 1983;20(3):311–6

Filterability of subpopulations of leukocytes: effect of pentoxifylline. Schmalzer EA, et al. **Blood** 1984 Aug; 64(2):542–6

Pharmacokinetics of phosphomycin during haemofiltration. Fernandez Lastra C, et al. **Br J Clin Pharmacol** 1984 Apr; 17(4):477–80

Evaluation of the contribution of red and white cells to the flow of suspensions of washed blood cells through 3 micron Nuclepore membranes. Jones JG, et al. **Br J Haematol** 1984 Jul;57(3):457–66

Arteriovenous haemofiltration [letter] Leung AC, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1722

Ultrafiltrability and chromatographic properties of pyrophosphate, 1-hydroxyethylidene-1,1-bisphosphonate, and dichloromethylenebisphosphonate in aqueous buffers and in human plasma. Wiedmer WH, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):397–400

Desferrioxamine and hemofiltration for aluminum removal in patients on regular dialysis treatment [letter] Segoloni G, et al. **Clin Nephrol** 1983 Aug;20(2):105–8

Renal failure with minimal change nephrotic syndrome: reversal with hemodialysis. Sjoberg RJ, et al. **Clin Nephrol** 1983 Aug;20(2):98–100

Ultrafiltration vs equilibrium dialysis for determination of free fraction. Bowers WF, et al. **Clin Pharmacokinet** 1984 Jan; 9 Suppl 1:49–60

The EMIT FreeLevel ultrafiltration technique compared with equilibrium dialysis and ultracentrifugation to determine protein binding of phenytoin. Oellerich M, et al. **Clin Pharmacokinet** 1984 Jan;9 Suppl 1:61–70

Pharmacokinetics of cefoxitin during haemofiltration. Garcia MJ, et al. **Eur J Clin Pharmacol** 1983;25(3):395–8

Restoration of ultrafiltration capacity of peritoneal membrane in patients on CAPD. Bazzato G, et al. **Int J Artif Organs** 1984 Mar;7(2):93–6

Polyacrylonitrile hemofiltration for the adsorption myoglobin in tardy revascularization syndrome: in vitro assessment. Cavicchioni C, et al. **Int J Artif Organs** 1983 Sep;6(5):271–2

Continuous arteriovenous ultrafiltration versus continuous arteriovenous hemofiltration [letter] Ing TS, et al. **Int J Artif Organs** 1984 May;7(3):165

Use of prostacyclin and ultrafiltration in adult respiratory distress syndrome. Richardson A, et al. **Intensive Care Med** 1984;10(2):307–9

Ceftazidime in intensive care medicine and haemofiltration. Gravert C, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:177–80

Diuresis after hemodialysis associated with ultrafiltration in congestive cardiac failure. Therapeutic use in resistant cardiac failure with conventional therapy. Dhar SK, et al. **J Indiana State Med Assoc** 1983 Aug;76(8):526–7

Pulmonary edema: reversal by ultrafiltration. Oyama C, et al. **J Surg Res** 1984 Mar;36(3):191–7

Carbon dioxide removal in acetate hemodialysis: effects on acid base balance. Bosch JP, et al. **Kidney Int** 1984 May; 25(5):830–7

Kinetic modeling of hemodialysis, hemofiltration, and hemodiafiltration. Sprenger KB, et al. **Kidney Int** 1983 Aug; 24(2):143–51

New trends in blood purification. Quellhorst E. **Life Support Syst** 1983 Jul–Sep;1(3):207–16

Loss of ultrafiltration capacity in infants [letter] Wolfish NM. **Nephron** 1983;35(4):277–8

Use of urea kinetic model and haemofiltration to improve nitrogen balance in haemodialysed children. Giani M, et al. **Proc Eur Dial Transplant Assoc** 1983;20:201–6

Erythrocyte filtration. Carandente O, et al. **Ric Clin Lab** 1981; 11 Suppl 1:99–107

Filtrability of whole blood and erythrocyte suspensions under the influence of several anticoagulants. Schröer R, et al. **Ric Clin Lab** 1981;11 Suppl 1:109–16

Filtrability investigations with red blood cell (RBC) suspensions: effects of different blood components and pentoxifylline on RBC flow rate. Seiffge D, et al. **Ric Clin Lab** 1981;11 Suppl 1:117–23

Secondary hyperparathyroidism in patients on maintenance hemodialysis: study of optimal hemopurification and parathyroidectomy. Hida M, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):229–34

Selective removal of immune complexes by cryofiltration in rheumatoid arthritis. Abe Y, et al. **Trans Am Soc Artif Intern Organs** 1983;29:730–4

A bag-filter model as machineless artificial kidney. Bazzato G, et al. **Trans Am Soc Artif Intern Organs** 1983;29:657–61

Ultrafiltration hemodynamics in conscious, uremic dogs: effect of extracorporeal blood temperature. Daugirdas JT, et al. **Trans Am Soc Artif Intern Organs** 1983;29:688–92

A new approach to glomerular filtration. Saito A, et al. **Trans Am Soc Artif Intern Organs** 1983;29:673–7

A new therapeutic antibody removal method using antigen-positive red cells. II. Application to a P-incompatible pregnant woman. Yoshida H, et al. **Vox Sang** 1984;47(3):216–23

[Hemofiltration: report of 9 cases] Wang ZG. **Chung Hua Wai Ko Tsa Chih** 1983 Sep;21(9):564–5 (Eng. Abstr.) **(Chi)**

[Hemofiltration in severe chronic cardiac decompensation: a new therapeutic perspective?] Mulder AW, et al. **Ned Tijdschr Geneeskd** 1983 Sep 24;127(39):1755–9 (Eng. Abstr.) **(Dut)**

[Evaluation of the treatment of refractory ascites by ultrafiltration followed by intra-abdominal reinjection] Van Gossum M, et al. **Acta Gastroenterol Belg** 1983 May–Jun; 46(5–6):232–9 (Eng. Abstr.) **(Fre)**

[Atomic absorption spectrophotometry determination of traces of aluminum contained in hemodialysis and hemofiltration solutions] Petiot J, et al. **Ann Pharm Fr** 1983; 41(3):229–37 (Eng. Abstr.) **(Fre)**

[Importance of pH- and osmolarity-dependent changes in deformability- determining factors on the filterability of human erythrocytes] Kucera W, et al. **Biomed Biochim Acta** 1984;43(3):337–48 (Eng. Abstr.) **(Ger)**

[Continuous arteriovenous hemofiltration in acute postoperative and post-traumatic kidney failure] Hancke E, et al. **Chirurg** 1983 Aug;54(8):544–7 (Eng. Abstr.) **(Ger)**

[Hematologic changes in patients under long-term hemodialysis and hemofiltration treatment with special reference to serum concentrations of folic acid and vitamin B 12] Minar E, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):48–53 (Eng. Abstr.) **(Ger)**

[Continuous arteriovenous hemofiltration in the therapy of acute renal insufficiency] Luger A, et al. **Wien Klin Wochenschr** 1984 Jan 6;96(1):1–4 (Eng. Abstr.) **(Ger)**

[Blood filterability in ischemic heart disease] Pretolani E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1819–24 (Eng. Abstr.) **(Ita)**

[Blood filterability in pe.ipheral obstructive arterial disease] Pretolani E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1812–8 (Eng. Abstr.) **(Ita)**

[Blood filterability in cerebral vascular disease] Pretolani E, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1807–11 (Eng. Abstr.) **(Ita)**

[Changes in blood filterability induced by risk factors for cardiovascular disease] Pretolani E, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1609–13 (Eng. Abstr.) **(Ita)**

[Behavior of various blood coagulation and hemorrheological parameters in arteriosclerotic vascular disease of the lower legs] Avellone G, et al. **Ric Clin Lab** 1983;13 Suppl 3:297–301 (Eng. Abstr.) **(Ita)**

[Erythrocyte filtration in acute myocardial infarction] Barbera CM, et al. **Ric Clin Lab** 1983;13 Suppl 3:405–9 (Eng. Abstr.) **(Ita)**

[Erythrocyte filterability in diabetes mellitus (a survey carried out by two methods)] Caimi G, et al. **Ric Clin Lab** 1983; 13 Suppl 3:363–6 (Eng. Abstr.) **(Ita)**

[The relation between erythrocyte filterability and platelet aggregation (in vitro studies in normal subjects and those with vascular disease before and after isotonic exercise)] Guerrini M, et al. **Ric Clin Lab** 1983;13 Suppl 3:309–14 (Eng. Abstr.) **(Ita)**

[The lack of correlation between erythrocyte filtration parameters and other hemorrheological parameters] Manescalchi PG, et al. **Ric Clin Lab** 1983;13 Suppl 3:337–40 (Eng. Abstr.) **(Ita)**

[A small subpopulation of rigid erythrocytes changes the erythrocyte filtration test] Morini R, et al. **Ric Clin Lab** 1983;13 Suppl 3:333–6 (Eng. Abstr.) **(Ita)**

[Assay of the thromborheological properties of blood by measurement of the filtration pressure of normal blood across polycarbonate filters] Musumeci V, et al. **Ric Clin Lab** 1983;13 Suppl 3:303–8 (Eng. Abstr.) **(Ita)**

[Preliminary study on erythrocyte filterability and other

hemorrheological parameters in arteriosclerotic vascular disease] Pernigotti L, et al. **Ric Clin Lab** 1983;13 Suppl 3:423–6 (Eng. Abstr.) **(Ita)**

[Hyperlipemia and erythrocyte filterability] Pretolani E, et al. **Ric Clin Lab** 1983;13 Suppl 3:341–4 (Eng. Abstr.) **(Ita)**

[Erythrocyte filterability in Raynaud's disease] Sciannameo F, et al. **Ric Clin Lab** 1983;13 Suppl 3:475–80 (Eng. Abstr.) **(Ita)**

[Statistical study on the effect of erythrocyte aggregation on blood filterability] Sergio G, et al. **Ric Clin Lab** 1983; 13 Suppl 3:323–6 (Eng. Abstr.) **(Ita)**

[Erythrocyte filterability and treatment with pentoxifylline] Valentini M, et al. **Ric Clin Lab** 1983;13 Suppl 3:455–8 (Eng. Abstr.) **(Ita)**

[Extracorporeal ultrafiltration in postoperative low cardiac output syndrome] Sakamoto S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Jul;31(7):1155–60 (Eng. Abstr.) **(Jpn)**

[Compounds of low and medium molecular weight in the blood ultrafiltrate of patients with chronic renal failure] Popławski A. **Pol Tyg Lek** 1983 Oct 10;38(41):1277–80 (Eng. Abstr.) **(Pol)**

[Isolated ultrafiltration in the treatment of cardiac insufficiency and other hyperhydration states] Sens IA, et al. **Arq Bras Cardiol** 1983 Sep;41(3):203–6 (Eng. Abstr.) **(Por)**

[Hemodynamics during consecutive ultrafiltration with hemodialysis and hemodiafiltration] Kulakov GP, et al. **Sov Med** 1983;(9):29–33 (Eng. Abstr.) **(Rus)**

[Isolated ultrafiltration in the treatment of cardiac insufficiency in ischemic heart disease] Kulakov GP, et al. **Ter Arkh** 1983;55(9):81–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Quantitative assessment of carnitine loss during hemodialysis and hemofiltration. Leschke M, et al. **Kidney Int [Suppl]** 1983 Dec;16:S143–6

[A hemodialysis bath with bicarbonate improves comfort and ultrafiltration] Lefebvre A. **Nephrologie** 1983;4(4–5):200 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

A modified blood microfilter. Walker AK. **Anaesthesia** 1984 Jun;39(6):578–80

A versatile microfiltration device. Lenzen S, et al. **Anal Biochem** 1983 Oct 1;134(1):56–9

Home study program. Vena caval interruption. **AORN J** 1984 Jan;39(1):55–66, 68–70, 72–3 passim

Surgical prevention of pulmonary emboli. Fernsebner B, et al. **AORN J** 1984 Jan;39(1):56–64

Characteristics of the cellulose triacetate membrane for hemofiltration. Sato H, et al. **Int J Artif Organs** 1983 Nov; 6(6):289–94

Evaluation of a new filter for leucocyte depletion of blood. Johnson J, et al. **J Clin Pathol** 1983 Oct;36(10):1200–1

Computed tomographic and ultrasound appearance of Kim–Ray Greenfield vena caval filters and potential for noninvasive localization. Dunne MG, et al. **J Comput Tomogr** 1983 Nov;7(4):375–80

Manipulation of vena cava filters. Locked-catheter technique. Glass TA, et al. **Radiology** 1984 Jan;150(1):258–9

Percutaneous transcatheter filter for the inferior vena cava. A new device for treatment of patients with pulmonary embolism. Roehm JO Jr, et al. **Radiology** 1984 Jan; 150(1):255–7

Evaluation of a new filter for membrane plasma separation (Preliminary observations). Valbonesi M, et al. **Ric Clin Lab** 1983 Oct–Dec;13(4):479–85

Dextran sieving coefficients of hemofiltration membranes. Leypoldt JK, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:678–83

Use of Imugard IG500 filters for preparation of leukocyte-poor blood for cancer patients. Lichtiger B, et al. **Vox Sang** 1984;46(3):136–41

[Bacterial filter for respiratory circuits] Bouilhac M. **Agressologie** 1984 Mar;25(3):299–302 (Eng. Abstr.) **(Fre)**

[Experimental development of hollow cellulose membranes for blood detoxification] Holtz M, et al. **Z Urol Nephrol** 1983 Dec;76(12):783–7 (Eng. Abstr.) **(Ger)**

[Principles of mass transfer] Yoshida F. **Iyodenshi To Seitai Kogaku** 1983 Sep;21(5):324–7 **(Jpn)**

METHODS

Continuous hemofiltration [letter] **Ann Intern Med** 1984 Jul; 101(1):145–7

Continuous arteriovenous hemofiltration. A report of six months' experience. Kaplan AA, et al. **Ann Intern Med** 1984 Mar;100(3):358–67

Continuous arteriovenous hemofiltration in the critically ill patient. Clinical use and operational characteristics. Lauer A, et al. **Ann Intern Med** 1983 Oct;99(4):455–60

Ultrafiltration processes in biotechnology. Tutunjian RS. **Ann NY Acad Sci** 1983;413:238–53

Ultrafiltration during cardiopulmonary bypass: laboratory evaluation and initial clinical experience. Magilligan DJ Jr, et al. **Ann Thorac Surg** 1984 Jan;37(1):33–9

Teaching the patient having a vena caval filter. Fernsebner B, et al. **AORN J** 1984 Jan;39(1):65–6, 68–70, 72–3 passim

Arteriovenous haemofiltration: a recent advance in the management of renal failure. Dodd NJ, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1008–10

Microscale ultrafiltration technique for determining free drug in 50-microL serum samples. Wittfoht W, et al. **Clin Chem** 1984 Jun;30(6):878–9

Technical and clinical aspects of cascade filtration plasma exchange (CFPE). Quaranta JF, et al. **Int J Artif Organs** 1983 Nov;6(6):309–14

Cascade filtration: clinical applicatıcn in 26 patients with immune complex and IgM mediated diseases. Valbonesi M, et al. **Int J Artif Organs** 1983 Nov;6(6):303–7

beta 2-Microglobulin and other low molecular weight proteins in haemodiafiltrates and in haemofiltrates. Montali U, et al. **Int J Tissue React** 1984;6(1):71–4

Haemodiafiltration. Sprenger KB. **Life Support Syst** 1983 Apr–Jun;1(2):127–36

Acute renal failure treated by slow continuous ultrafiltration. Preliminary report. Synhaivsky A, et al. **Mayo Clin Proc** 1983 Nov;58(11):729–33

Acute and chronic studies of the relationship between sodium flux in hemodialysis and hemofiltration. Shaldon S, et al. **Trans Am Soc Artif Intern Organs** 1983;29:641–4

Flow controlled selective plasma ultrafiltration (SPU) with on line membrane regeneration by back flush techniques. von Baeyer H, et al. **Trans Am Soc Artif Intern Organs** 1983;29:739–43

Portocaval hemofiltration during the anhepatic phase in isolated liver perfusion. Wizemann V, et al. **Trans Am Soc Artif Intern Organs** 1983;29:485–7

[Blood microfiltration methods] Marcel GA, et al. **J Mal Vasc** 1983;8(3):227–32 (Eng. Abstr.) **(Fre)**

[Therapy of conventionally uncontrollable hyperhydration with hemofiltration] Rosenhagen K, et al. **Anasth Intensivther Notfallmed** 1983 Dec;18(6):311–5 (Eng. Abstr.) **(Ger)**

[Carbon hemoperfusion. Case contributions] Saponari A, et al. **Minerva Anestesiol** 1983 Dec;49(12):739–44 (Eng. Abstr.) **(Ita)**

[Methodological survey of whole blood filtration in the evaluation of erythrocyte deformability. III. Relative influence of various cellular components] Forconi S, et al. **Ric Clin Lab** 1983;13 Suppl 3:283–8 (Eng. Abstr.) **(Ita)**

[Methodological survey of whole blood filtration in the evaluation of erythrocyte deformability. II. Effect of preservation time at various temperatures] Forconi S, et al. **Ric Clin Lab** 1983;13 Suppl 3:277–81 (Eng. Abstr.) **(Ita)**

[Methodological survey of whole blood filtration in the evaluation of erythrocyte deformability. I. Effect of temperature] Forconi S, et al. **Ric Clin Lab** 1983;13 Suppl 3:271–6 (Eng. Abstr.) **(Ita)**

[Methodological survey of erythrocyte filtration time] Porro F, et al. **Ric Clin Lab** 1983;13 Suppl 3:289–92 (Eng. Abstr.) **(Ita)**

[Isolated ultrafiltration with subsequent diffusion hemodialysis and arterial blood pressure and muscle spasm] Kwieciński R, et al. **Wiad Lek** 1984 Feb 1;37(3):177–81 (Eng. Abstr.) **(Pol)**

[Purification and isolation of benzylpenicillin and phenoxymethyl penicillin by ultrafiltration across semipermeable membranes] Stremovskiĭ LL, et al. **Dokl Akad Nauk SSSR** 1984 Mar–Apr;275(1):144–7 **(Rus)**

[Hemodialysis in the treatment of circulatory insufficiency in myocardial infarct complicated by a rupture of the interventricular septum] Kulakov GP, et al. **Grudn Khir** 1984 May–Jun;(3):69–71 **(Rus)**

[Lymphosorption in the treatment of mechanical jaundice complicated by acute hepatic insufficiency] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):35–40 (Eng. Abstr.) **(Rus)**

[Methods of studying erythrocyte deformability (review of the literature)] Zakharova NB, et al. **Lab Delo** 1983;(9):3–6 (27 ref.) (Eng. Abstr.) **(Rus)**

ULTRASONIC THERAPY

Percutaneous ultrasonic lithotripsy. LeRoy AJ, et al. **AJR** 1984 Oct;143(4):785–8

Mucosal proctectomy using an ultrasonic scalpel. Heimann TM, et al. **Am J Surg** 1984 Jun;147(6):803–6

Ultrasound has no anti-inflammatory effect. Goddard DH, et al. **Ann Rheum Dis** 1983 Oct;42(5):582–4

Errors in temperature measurement by thermocouple probes during ultrasound induced hyperthermia. Hynynen K, et al. **Br J Radiol** 1983 Dec;56(672):969–70

The temperature fields caused by acoustic standing waves in biological tissues. Swindell W. **Br J Radiol** 1984 Feb; 57(674):167–8

Anatomical site-specific modalities for hyperthermia. Bagshaw MA, et al. **Cancer Res** 1984 Oct;44(10 Suppl):4842s–4852s

Deep local hyperthermia for cancer therapy: external electromagnetic and ultrasound techniques. Cheung AY, et al. **Cancer Res** 1984 Oct;44(10 Suppl):4736s–4744s

Hyperthermia as a clinical treatment modality. Samulski TV, et al. **Cancer Treat Rep** 1984 Jan;68(1):309–16

Wound healing of spleen ruptures by ultrasonic welding in animal experiments. Kühne W, et al. **Exp Pathol** 1983; 24(2–3):167–70

Ultrasound hyperthermia—the Stanford experience. Meyer JL. **Front Radiat Ther Oncol** 1984;18:126–35

Neurosonology: an update. Madrazo BL, et al. **Henry Ford Hosp Med J** 1984;32(1):67–74

Influence of ultrasound-induced hyperthermia and X-irradiation on the incidence of metastases from a solid tumor. Baker DG, et al. **Invasion Metastasis** 1984; 4(2):111–24

Alleviation of myofascial pain with ultrasonic therapy. Esposito CJ, et al. **J Prosthet Dent** 1984 Jan;51(1):106–8

In vitro testing of three denture-cleaning systems. Palenik CJ, et al. **J Prosthet Dent** 1984 Jun;51(6):751–4

Alleviation of myofascial pain with ultrasonic therapy [letter] Walmsley AD. **J Prosthet Dent** 1984 Aug;52(2):312

Percutaneous ultrasonic lithotripsy: choice of irrigant. Schultz RE, et al. **J Urol** 1983 Nov;130(5):858–60

Ultrasonic device wins neurosurgeon praise [news] Goldsmith MF. **JAMA** 1983 Dec 23–30;250(24):3270

Alterations in ankle dorsiflexion torque as a result of continuous ultrasound to the anterior tibial compartment. Black KD, et al. **Phys Ther** 1984 Jun;64(6):910–3

Ultrasound effects on electroneuromyographic measures in sensory fibers of the median nerve. Cosentino AB, et al. **Phys Ther** 1983 Nov;63(11):1788–92

Ultrasound for subacromial bursitis. A case report. Gorkiewicz R. **Phys Ther** 1984 Jan;64(1):46–7

Treatment of acute herpes zoster using ultrasonic therapy. Report on a series of twelve patients. Jones RJ. **Physiotherapy** 1984 Mar;70(3):94–6

Ultrasound for post-herpetic neuralgia. A study to investigate the results of treatment. Payne C. **Physiotherapy** 1984 Mar; 70(3):96–7

The effect of immediate combined cold, ultrasound and diadynamic current therapy on swelling after wisdom tooth removal. Ylipaavalniemi P, et al. **Proc Finn Dent Soc** 1984; 80(2):55–7

Production of thymine base damage in ultrasound-exposed EMT6 mouse mammary sarcoma cells. Dooley DA, et al. **Radiat Res** 1984 Jan;97(1):71–86

Management of renal stones by ultrasonic shattering. Savage J. **Radiography** 1984 May–Jun;50(591):92–5

Ultrasonic renal lithotripsy. Single-stage percutaneous technique and adjuvant radiological procedures. Bush WH, et al. **Radiology** 1984 Aug;152(2):387–9

Ultrasound therapy in the treatment of persistent breast pain [letter] Proctor DS. **S Afr Med J** 1984 Jun 9;65(23):912

Thermal model for ultrasonic treatment of glaucoma. Lizzi FL, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):289–98

Disintegration of renal and ureteral calculi with ultrasound. Marberger M. **Urol Clin North Am** 1983 Nov;10(4):729–42

Ultrasonic and electrohydraulic lithotripsy of ureteral calculi. Goodfriend R. **Urology** 1984 Jan;23(1):5–8

Ultrasonic destruction of kidney stones. Brannen GE, et al. **West J Med** 1984 Feb;140(2):227–32

[Efficacy of using mineral water from 'Chepino' spring, Velingrad, alone and in combination with vibration therapy in the treatment of chronic nonspecific inflammatory gynecologic diseases and sterility in women] Maslarova Z. **Akush Ginekol (Sofiia)** 1984;23(3):245–8 (Eng. Abstr.) **(Bul)**

[Current views on the treatment of Menière's disease with ultrasound] Fajstavr J, et al. **Cesk Otolaryngol** 1983 Nov; 32(6):327–31 (Eng. Abstr.) **(Cze)**

[Hyperthermia caused by ultrasonics: trials of mathematical modelling] Escanye JM, et al. **C R Soc Biol (Paris)** 1983; 177(3):352–7 (Eng. Abstr.) **(Fre)**

[Treatment of superficial cancerous tumors by hyperthermia induced by ultrasonics or microwaves] Marchal C, et al. **C R Soc Biol (Paris)** 1983;177(3):358–67 (Eng. Abstr.) **(Fre)**

[Basic research on ultrasound surgery. VI: Comparative histological liver findings following treatment of the wound with ultrasound welding and suturing] Vetter J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(2):126–36 (Eng. Abstr.) **(Ger)**

[Treatment of trauma-related skin transplantation scars with ultrasound and lymph drainage] Rohn H. **Z Lymphol** 1983 Jul;7(1):38–9 **(Ger)**

[Medical engineering in urology] Watanabe H. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):576–8 **(Jpn)**

[Action of low-frequency ultrasound on the peritoneum, peritoneal exudate cells and the course of experimental peritonitis] Paukov VS, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):168–72 (Eng. Abstr.) **(Rus)**

[Ultrasonics in the treatment of suppurative wounds] Kuznetsov VI, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):26–8 **(Rus)**

[Ultrasonic cavitation in treating patients with suppurative epithelial coccygeal cysts] Romashov FN, et al. **Klin Khir** 1984 Jun;(6):59–60 **(Rus)**

[Use of ultrasonic diagnosis and therapy in ambulatory-polyclinic conditions] Marmur RK, et al. **Oftalmol Zh** 1983;38(3):141–3 (Eng. Abstr.) **(Rus)**

[Combined use of ultrasound and dioxidine in the treatment of infectious keratitis and corneal ulcers] Novitskiĭ IIa. **Oftalmol Zh** 1983;(7):399–402 (Eng. Abstr.) **(Rus)**

[Ultrasonics in the combined treatment of patients with pulmonary tuberculosis] Dominchen MN. **Probl Tuberk** 1984 Jan;(1):65–70 (69 ref.) **(Rus)**

[Use of low-frequency ultrasound and multicomponent collagen sheets to prevent dehiscence of intestinal sutures] Lutsevich OE, et al. **Sov Med** 1984;(3):54–8 (Eng. Abstr.) **(Rus)**

[Ultrasonic treatment of suppurative wounds in the combined

therapy of phlegmons of the face and neck] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1984 Jan-Feb;63(1):42-5 (Eng. Abstr.) (Rus)

[Characteristics of the course of phlegmon of the face and neck in combined therapy with ultrasonic treatment of the suppurative focus] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1984 Mar-Apr;63(2):19-24 (Eng. Abstr.) (Rus)

[Sound-wave stimulation of the upper urinary tract in ureteral calculi] Riabinskil VS, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):45-9 (Eng. Abstr.) (Rus)

[Experimental and clinical rationale for ultrasonic therapy of functional urination disorders in children] Tereshchenko AV, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):20-5 (Eng. Abstr.) (Rus)

[Use of ultrasound for the prevention and treatment of pleural empyema] Perel'man MI, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):80-6 (Eng. Abstr.) (Rus)

[Ultrasonic thoracoscopic assanation of pleural empyema cavities] Sitko LA. **Vestn Khir** 1984 Feb;132(2):24-8 (Eng. Abstr.) (Rus)

[Ultrasonic anterior vitrectomy in the treatment of postoperative hernias of the vitreous body and vitreofixation in the cicatrix] Movshovich AI, et al. **Vestn Oftalmol** 1983 Sep-Oct;(5):29-32 (Eng. Abstr.) (Rus)

[Ultrasound and mud therapy in the treatment of patients with complicated forms of facial neuritis] Antropova MI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec;(6):57-9 (Rus)

[Treatment of patients with recurrent bullous herpes labialis with interferon ointment phonophoresis] Durov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):58-9 (Rus)

[Use of ultrasound in the combined treatment of patients with deep mycoses] Minsker OB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep-Oct;(5):37-40 (Eng. Abstr.) (Rus)

[Splenin phonophoresis in the complex treatment of patients with vasomotor and allergic rhinitis] Potapova RG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):53-4 (Rus)

[Ultrasonics and heparin phonophoresis in the complex treatment of children with chronic hematogenic osteomyelitis] Sorokin SA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Mar-Apr;(2):62-3 (Rus)

[Blood kinin system in chronic gastroduodenitis during phonophoresis treatment with a medicinal herb decoction] Fedorov NE, et al. **Vrach Delo** 1983 Dec;(12):48-52 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Sudden cardiac arrest during percutaneous ultrasonic nephrostolithotomy. Bennett MJ, et al. **Anesthesiology** 1984 Mar;60(3):245-6

INSTRUMENTATION

A simple ultrasound field strength meter for testing ultrasound therapy units. Novak SJ, et al. **Australas Phys Eng Sci Med** 1983 Oct-Dec;6(4):166-9

Linear thermocouple arrays for in vivo observation of ultrasonic hyperthermia fields [letter] Hand JW, et al. **Br J Radiol** 1984 Jul;57(679):656

Linear thermocouple arrays for in vivo observation of ultrasonic hyperthermia fields. ter Haar GR, et al. **Br J Radiol** 1984 Mar;57(675):257-8

An ultrasound system for local hyperthermia using scanned focused transducers. Dickinson RJ. **IEEE Trans Biomed Eng** 1984 Jan;31(1):120-5

Experience with a multitransducer ultrasound system for localized hyperthermia of deep tissues. Fessenden P, et al. **IEEE Trans Biomed Eng** 1984 Jan;31(1):126-35

Phacoemulsification with the Heslin/Mackool Ocusystem: results of a retrospective study. Heslin KB, et al. **J Am Intraocul Implant Soc** 1983 Fall;9(4):445-9

A new phacoemulsification technique for in-the-bag IOL placement. Lyle WA. **J Am Intraocul Implant Soc** 1983 Fall;9(4):461-3

The induction of hyperthermia by ultrasound: its value and associated problems. I. Single, static, plane transducer. ter Haar G, et al. **Phys Med Biol** 1983 Aug;28(8):889-96

Percutaneous dissolution of renal calculi using ultrasonic litholapaxy. Carson CC, et al. **South Med J** 1984 Feb;77(2):196-9

Preliminary experience in liver surgery using the ultrasonic scalpel. Hodgson WJ, et al. **Surgery** 1984 Feb;95(2):230-4

[Operative ureterorenoscope for the use of ultrasound and calculus extraction] Bichler KH, et al. **Urologe [Ausg A]** 1984 Mar;23(2):99-104 (Eng. Abstr.) (Ger)

[Possibility of adaptation of the Polish-produced Ultraton D-200 apparatus for ultrasonic therapy in ophthalmology] Kasprzak J, et al. **Klin Oczna** 1983 Aug-Sep;85(8-9):321-2 (Eng. Abstr.) (Pol)

[Ultrasonic treatment of extensive burn injuries] Bik VG. **Klin Khir** 1984 Mar;(3):65-6 (Rus)

[Working experience with the Soviet-made UZKh-F-04-0 ultrasonic ophthalmological apparatus in the surgical treatment of cataract in children] Aznabaev MT, et al. **Vestn Oftalmol** 1983 Nov-Dec;(6):21-2 (Eng. Abstr.) (Rus)

METHODS

Balloon obturation of the renal collecting system during percutaneous ultrasonic lithotripsy. Pollack HM, et al. **AJR** 1984 Aug;143(2):305-6

Percutaneous ultrasonic lithotripsy (PUL): kidney stone disintegration. Bass RB Jr, et al. **Ala Med** 1984 Mar;53(9):17, 19

Bimanual phacoemulsification. Clayman HM. **Aust J Ophthalmol** 1984 Feb;12(1):71-4

Ultrasound methods for inducing hyperthermia. Fessenden P. **Front Radiat Ther Oncol** 1984;18:62-9

A model system to demonstrate the role of cavitational activity in ultrasonic scaling. Walmsley AD, et al. **J Dent Res** 1984 Sep;63(9):1162-5

Percutaneous ultrasonic disintegration and removal of renal calculi. Nunn IN, et al. **Med J Aust** 1983 Nov 26;2(11):543-6

Rectus sheath hematoma with pain relief after ultrasound: case report. Hough DR, et al. **Milit Med** 1983 Nov;148(11):885-6

Percutaneous removal of renal calculi and ultrasonic nephrolithotripsy. Krause DW, et al. **Nebr Med J** 1984 Jul;69(7):212-3

Pars plana lensectomy by ultrasonic fragmentation: 1984--Part I: Updated surgical technique. Girard LJ. **Ophthalmic Surg** 1984 Mar;15(3):212-6

Pars plana lensectomy by ultrasonic fragmentation: 1984--Part II: Operative and postoperative complications--avoidance or management. Girard LJ. **Ophthalmic Surg** 1984 Mar;15(3):217-20

Percutaneous ultrasonic lithotripsy. LeRoy AJ, et al. **Radiol Clin North Am** 1984 Jun;22(2):427-32

Extracorporeal shock wave lithotripsy (ESWL) for kidney stones. An alternative to surgery? Chaussy C, et al. **Urol Radiol** 1984;6(2):80-7

Percutaneous ultrasonic lithotripsy. LeRoy AJ, et al. **Urol Radiol** 1984;6(2):88-94

[Canal obturation by means of ultrasonic systems. A new concept: combined ultrasonics thermomechanical and ultrasonic sound vibration technics of obturation] Laurichesse JM. **Actual Odontostomatol (Paris)** 1984 Jun;146:233-44 (Eng. Abstr.) (Fre)

[Stimulation of fracture healing by ultrasound--animal experiment study] Klug W. **Beitr Orthop Traumatol** 1983 Dec;30(12):670-80 (Eng. Abstr.) (Ger)

[Percutaneous nephrolithotomy] Alken P. **Urologe [Ausg A]** 1984 Jan;23(1):20-4 (Eng. Abstr.) (Ger)

[Effect of ultrasonic aerosols of streptomycin and isoniazid on the bronchial tree of patients with intrathoracic tuberculosis] Gerasin VG, et al. **Probl Tuberk** 1984 Apr;(4):53-5 (Eng. Abstr.) (Rus)

[Use of ultrasound for shortening the active period of orthodontic treatment for stenosis of the dentition in children (an experimental and clinical observation)] Novoselov RD, et al. **Stomatologiia (Mosk)** 1983 Nov-Dec;62(6):35-7 (Eng. Abstr.) (Rus)

[Low-frequency ultrasonics in the treatment of trophic ulcers] Gostishchev VK, et al. **Vestn Khir** 1984 Mar;132(3):92-5 (Eng. Abstr.) (Rus)

[Ultrasonic disintegration of tissue in otorhinolaryngology] Ferkel'man LA, et al. **Vestn Otorinolaringol** 1983 Jul-Aug;(4):49-53 (Eng. Abstr.) (Rus)

[A search for the optimum regimen of ultrasonic therapy] Chirkin AA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Jul-Aug;(4):19-23 (Eng. Abstr.) (Rus)

[Experimental study of drug electrophonophoresis] Mumin AN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec;(6):11-5 (Eng. Abstr.) (Rus)

[Our first clinical experiences with extracorporeal lithotripsy by shock waves in the treatment of urolithiasis] Moncada Ochoa J, et al. **Arch Esp Urol** 1984 May-Jun;37(3):217-23 (Eng. Abstr.) (Spa)

ULTRASONICS

see related
ECHOCARDIOGRAPHY
ECHOENCEPHALOGRAPHY

Photometric oculometry. II. Measurement of axial ocular distances with slit-lamp microscopy. Clinical evaluation, and comparison with ultrasonography. Krogsaa B, et al. **Acta Ophthalmol (Copenh)** 1984 Apr;62(2):290-9

Kidney length in the newborn measured by ultrasound. Fitzsimons RB. **Acta Paediatr Scand** 1983 Nov;72(6):885-7

Characteristic sonographic features of schistosomal periportal fibrosis. Fataar S, et al. **AJR** 1984 Jul;143(1):69-71

High-resolution sonography of scrotal contents in asymptomatic subjects. Leung ML, et al. **AJR** 1984 Jul;143(1):161-4

Diameter, thickness, area, and volume of skin-prick histamine weals. Measurement of skin thickness by 15 MHz A-mode ultrasound. Serup J. **Allergy** 1984 Jul;39(5):359-64

Determination of cardiac output by transcutaneous continuous-wave ultrasonic Doppler computer. Chandraratna PA, et al. **Am J Cardiol** 1984 Jan 1;53(1):234-7

Ultrasound as an approach to assessing body composition. Fanelli MT, et al. **Am J Clin Nutr** 1984 May;39(5):703-9

Ultrasonic measurement of rate and depth of human fetal breathing: effect of glucose. Adamson SL, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):288-95

Ultrasound-detected oligohydramnios and fetal outcome [letter] Cohen AW. **Am J Obstet Gynecol** 1984 Jun 15;149(4):474-5

A comparison of ultrasound (with autocorrelation) and direct electrocardiogram fetal heart rate detector systems. Lawson GW, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):721-2

Use of the Doppler probe to detect the course of the superficial temporal artery [letter] Bienfang DC. **Am J Ophthalmol** 1984 Apr;97(4):526-7

Ultrasonic chorioretinopathy: a chloroquine vs control study. Kaplan LJ, et al. **Ann Ophthalmol** 1983 Dec;15(12):1132-4

Ultrasound: evaluation of its mechanical and thermal effects. Kramer JF. **Arch Phys Med Rehabil** 1984 May;65(5):223-7

The use of ultrasound and an EDTA-urea peroxide compound in the cleansing of root canals. An SEM study. Cameron JA. **Aust Dent J** 1984 Apr;29(2):80-5

Simultaneous invasive and noninvasive renal blood velocity and flow measurements using pulsed Doppler velocimeters. Greene ER, et al. **Biomed Sci Instrum** 1984;20:25-30

In vitro and in vivo studies using a 4F pulsed Doppler velocimeter catheter system. Voyles WF, et al. **Biomed Sci Instrum** 1984;20:17-23

Ultrasound elicits tonic responses and diminishes the phasic responses to adequate stimuli in thread-hair mechanoreceptors of Acheta domesticus. Gödde J. **Biophys Struct Mech** 1984;10(4):275-96

Acoustic shock generation by ultrasonic imaging equipment. Duck FA, et al. **Br J Radiol** 1984 Mar;57(675):231-40

Ultrasound-accelerated immunoassay, as exemplified by enzyme immunoassay of choriogonadotropin. Chen R, et al. **Clin Chem** 1984 Sep;30(9):1446-51

Spectral analysis of Doppler ultrasonic flow signals by a personal computer. Gonzalez RR Jr, et al. **Comput Biol Med** 1983;13(4):281-6

Reducing aberration by inverse filtering in Fresnel zone plate transducers. Mortezaie M, et al. **Comput Programs Biomed** 1983 Aug-Oct;17(1-2):19-25

Travelling ultrasound program serves small centres. Jamieson AS, et al. **Dimens Health Serv** 1983 Aug;60(8):31

A method for the characterization of the echostructures of normal and pathological breast tissues. Lamarque JL, et al. **Eur J Radiol** 1984 May;4(2):161-6

Ultrasonic comparison of two morphologically distinct melanosomes in malignant melanomas. Kono R, et al. **Experientia** 1984 Jun 15;40(6):571-2

Ultrasonic visualization of endometrial movements. Birnholz JC. **Fertil Steril** 1984 Jan;41(1):157-8

Interim guidelines on limits of human exposure to airborne ultrasound. International Non-Ionizing Radiation Committee of the International Radiation Protection Association. **Health Phys** 1984 Apr;46(4):969-74

Ultrasound puts computers to work. Gallivan M. **Hospitals** 1983 Nov 1;57(21):81, 83

Perception of simulated propeller cavitation. Howard JH Jr. **Hum Factors** 1983 Dec;25(6):643-55

A novel frequency estimator for sampled Doppler signals. Hoeks AP, et al. **IEEE Trans Biomed Eng** 1984 Feb;31(2):212-20

Doppler echocardiography. Khalilullah M, et al. **Indian Heart J** 1984 Jan-Feb;36(1):78-84

Differential effect of ultrasonication on the myofibrils (myofibrillar ATPase activity) of normal & experimental muscles of adult albino rat Rattus norvegicus. Mahant P, et al. **Indian J Exp Biol** 1983 Jul;21(7):413-4

Real-time ultrasonography: a new tool for the intraoperative localization of renal calculi (preliminary communication). Nádas G, et al. **Int Urol Nephrol** 1983;15(1):11-3

Ultrasound and computed tomography in the diagnosis and drainage of abscesses and other fluid collections. Rubinstein Z, et al. **Isr J Med Sci** 1983 Dec;19(12):1050-5

An improvement in the range resolution of ultrasonic pulse echo systems by deconvolution. Carpenter RN, et al. **J Acoust Soc Am** 1984 Apr;75(4):1084-91

Ultrasonic shear wave properties of soft tissues and tissuelike materials. Madsen EL, et al. **J Acoust Soc Am** 1983 Nov;74(5):1346-55

The forward and backward projection of acoustic fields from axisymmetric ultrasonic radiators using impulse response and Hankel transform techniques. Medeiros AF, et al. **J Acoust Soc Am** 1984 Jun;75(6):1732-40

Microbubble dynamics visualized in the intact capillary circulation. Feinstein SB, et al. **J Am Coll Cardiol** 1984 Sep;4(3):595-600

A note on the effect of combined ultrasonic and heat treatments on the survival of thermoduric streptococci. Ordoñez JA, et al. **J Appl Bacteriol** 1984 Feb;56(1):175-7

Ultrasonographic interpretation of physiological changes in the female pelvis. Pupols AZ, et al. **J Can Assoc Radiol** 1984 Mar;35(1):34-9

Analysis of ultrasonic vocalizations emitted by residents during aggressive encounters among rats (Rattus norvegicus). Takahashi LK, et al. **J Comp Psychol** 1983 Sep;97(3):207-12

Analysis of ultrasonic vocalizations emitted by intruders during aggressive encounters among rats (Rattus norvegicus). Thomas DA, et al. **J Comp Psychol** 1983 Sep;97(3):201-6

Computed tomographic and ultrasound appearance of Kim-Ray Greenfield vena caval filters and potential for noninvasive localization. Dunne MG, et al. **J Comput Tomogr** 1983 Nov;7(4):375–80

A cannula for use in ultrasonically guided biopsies of the brain. Technical note. Rubin JM, et al. **J Neurosurg** 1983 Nov;59(5):905–7

Ultrasonic measurement of the lumbar spinal canal [letter] Macdonald EB. **J Occup Med** 1984 Jun;26(6):412

The effect of ultrasonic scaling on the surface of Class V amalgam restorations—a scanning electron microscopy study. Rajstein J, et al. **J Oral Rehabil** 1984 May; 11(3):299–305

Effect of ultrasound on the permeability of silicone rubber membranes. Anderson NR, et al. **J Parenter Sci Technol** 1983 Nov–Dec;37(6):206–9

An ultrasound-induced tail-flick procedure: evaluation of nonsteroidal antiinflammatory analgesics. Mohrland JS, et al. **J Pharmacol Methods** 1983 Jun;9(4):279–82

Ultrasonic hardening of annealed copper bands. De Clerck JP. **J Prosthet Dent** 1984 Jan;51(1):132–3

Fetal weight estimation from lengths and volumes found by three-dimensional ultrasonic measurements. Brinkley JF, et al. **J Ultrasound Med** 1984 Apr;3(4):163–8

Terminology [letter] Djokich DS. **J Ultrasound Med** 1984 May;3(5):234

Ultrasound localization of an indwelling arterial catheter and adjacent arterial embolus during a therapeutic infusion. Gooding GA, et al. **J Ultrasound Med** 1984 Apr;3(4):191–2

Criteria for using imaging ultrasound during brain and spinal cord surgery. Machi J, et al. **J Ultrasound Med** 1984 Apr; 3(4):155–61

A tissue-equivalent upper abdominal phantom. Scherzinger AL, et al. **J Ultrasound Med** 1983 Oct;2(10):455–62

Sonographically guided percutaneous renal interventional procedures. Kutcher R, et al. **JAMA** 1984 Jun 15; 251(23):3126–9

Transvaginal, sonographically controlled ovarian follicle puncture for egg retrieval [letter] Dellenbach P, et al. **Lancet** 1984 Jun 30;1(8392):1467

Ultrasonically marked catheter—a method for positive echographic catheter position identification. Breyer B, et al. **Med Biol Eng Comput** 1984 May;22(3):268–71

System for the measurement of the effects of ultrasound on membrane electrical and mechanical properties of the myocardium. Mortimer AJ, et al. **Med Biol Eng Comput** 1984 Jan;22(1):24–7

Pregnancy after percutaneous transvesical ultrasound-guided follicle aspiration for in-vitro fertilization. de Crespigny LC, et al. **Med J Aust** 1984 Jan 7;140(1):31–2

Ultrasonic and jet aerosolization of phospholipids and the effects on surface activity. Marks LB, et al. **Pediatr Res** 1983 Sep;17(9):742–7

Effect of brief ultrasound exposure on post-tetanic potentiation in cardiac muscle. Forester GV, et al. **Pflugers Arch** 1984 Feb;400(2):208–10

Female behavior is affected by male ultrasonic vocalizations in house mice. Pomerantz SM, et al. **Physiol Behav** 1983 Jul;31(1):91–6

Ultrasound for capsular contracture of the breast [letter] Silversmith PE. **Plast Reconstr Surg** 1984 Mar;73(3):500

Fetal blood sampling via the umbilical cord using a needle guided by ultrasound. Report of 66 cases. Daffos F, et al. **Prenat Diagn** 1983 Oct;3(4):271–7

The effect of ultrasound-induced hyperthermia and X irradiation on skin. Baker D, et al. **Radiat Res** 1983 Nov; 96(2):359–66

The response of previously irradiated skin to combinations of X radiation and ultrasound-induced hyperthermia. Baker DG, et al. **Radiat Res** 1983 Nov;96(2):367–73

Formation of .OH and .H in aqueous solutions by ultrasound using clinical equipment. Makino K, et al. **Radiat Res** 1983 Nov;96(2):416–21

Visualization of periendothelial cells in arterioles and capillaries by scanning electron microscopy of ultrasound treated and plastoid injected brains in rats. Castenholz A. **Scan Electron Microsc** 1983;(Pt 1):161–70

Haemodynamic effects of precordial or carotid ultrasound application on the dog. Timisjärvi J, et al. **Scand J Clin Lab Invest** 1984 Feb;44(1):79–83

Polarographically detected effect of ultrasound and irradiation on DNA solution. Puranen J, et al. **Strahlentherapie** 1983 Aug;159(8):505–7

Program and abstracts: Ninth International Symposium on Ultrasonic Imaging and Tissue Characterization. June 3–6, 1984, Washington, D.C. **Ultrasonic Imaging** 1984 Apr; 6(2):201–41

Computer simulations of speckle in B-scan images. Foster DR, et al. **Ultrasonic Imaging** 1983 Oct;5(4):308–30

A three dimensional model for generating the texture in B-scan ultrasound images. Goodsitt MM, et al. **Ultrasonic Imaging** 1983 Jul;5(3):253–79

Imaging the nonlinear ultrasonic parameter of a medium. Ichida N, et al. **Ultrasonic Imaging** 1983 Oct;5(4):295–9

Improvements in the spectral difference method for measuring ultrasonic attenuation. Insana M, et al. **Ultrasonic Imaging** 1983 Oct;5(4):331–45

Inverse scattering solutions by a sinc basis, multiple source, moment method—Part I: Theory. Johnson SA, et al. **Ultrasonic Imaging** 1983 Oct;5(4):361–75

Classification of scattering objects by regular arrays of scatterers using Fourier analysis. Koch I. **Ultrasonic Imaging** 1983 Oct;5(4):346–60

Generation of separate density and compressibility images in tissue. Norton SJ. **Ultrasonic Imaging** 1983 Jul; 5(3):240–52 (13 ref.)

The improvement and quantitative assessment of B-mode images produced by an annular array/cone hybrid. Patterson MS, et al. **Ultrasonic Imaging** 1983 Jul; 5(3):195–213 (23 ref.)

Inverse scattering solutions by a sinc basis, multiple source, moment method—Part II: Numerical evaluations. Tracy ML, et al. **Ultrasonic Imaging** 1983 Oct;5(4):376–92

Zerocrossing density for ultrasonic Doppler signals obtained from computer simulations. Angelsen BA, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):661–5

Bibliography of biomedical ultrasound from 1 January 1971. No. 39. Carson J, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):667–91

Bibliography of biomedical ultrasound. Carson J, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):519–64

Bibliography of biomedical ultrasound. No. 42. Carson J, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):389–404

Ultrasonic gas-body activation in Drosophila. Carstensen EL, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):473–7

Evidence for free radical production by ultrasonic cavitation in biological media. Edmonds PD, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):635–9

Local hyperthermia induced by focussed and overlapping ultrasonic fields—an in vivo demonstration. Hynynen K, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):621–7

On the thermal motions of small bubbles [letter] Miller DL. **Ultrasound Med Biol** 1984 May–Jun;10(3):L377–9

On the validity of the linear approximation in the parametric measurement of attenuation in tissues. Narayana PA, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):357–61

Temperature elevation in a beam of ultrasound. Nyborg WL, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):611–20

Ultrasonic attenuation and absorption in liver tissue. Parker KJ. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):363–9

Doppler sonography and B-mode ultrasound scanning in renal stone surgery. Alken P, et al. **Urology** 1984 May; 23(5):455–60

Doppler echocardiography and evaluation of congenital heart disease. Sahn DJ, et al. **West J Med** 1984 Jun; 140(6):935–6

[Ultrasound as an echinocytogenic factor] Hrazdira I. **Bratisl Lek Listy** 1983 Dec;80(6):677–86 (Eng. Abstr.) **(Cze)**

[Influence of ultrasonics on the fecundity of female rats] Bologne R, et al. **C R Soc Biol (Paris)** 1983;177(3):381–7 (Eng. Abstr.) **(Fre)**

[Real time echographic study of the normal Wirsung duct. Comparison with retrograde catheterization] Blangy S, et al. **J Radiol** 1984 Jan;65(1):35–9 (Eng. Abstr.) **(Fre)**

[Computers and angiology. Doppler test of the supra-aortic trunk] Lauliac M. **Phlebologie** 1984 Apr–Jun;37(2):247–52 (Eng. Abstr.) **(Fre)**

[Computers in the vascular research laboratory: treatment of Doppler signals by computer] Milleret R, et al. **Phlebologie** 1984 Apr–Jun;37(2):239–45 (Eng. Abstr.) **(Fre)**

[Comparative hemodynamic evaluations of varicocele by bidirectional ultrasonic Doppler sonography and phlebography of the internal spermatic vein] Gall H, et al. **Andrologia** 1984 Jul–Aug;16(4):310–20 (Eng. Abstr.) **(Ger)**

[Sonographic criteria of ovarian function in menstruation cycles] Geisthövel F, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):225–32 (Eng. Abstr.) **(Ger)**

[An improved ultrasonics contact gel] Johannigmann J, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):265 **(Ger)**

[Ultrasound-guided percutaneous nephro-pyelostomy] Feiber H. **Helv Chir Acta** 1983 Jun;50(3):313–6 (Eng. Abstr.) **(Ger)**

[Percutaneous nephrostomy: technic and possibilities for application] Janetschek G, et al. **Helv Chir Acta** 1983 Jun; 50(3):317–20 (Eng. Abstr.) **(Ger)**

[Pulsed Doppler echocardiography in aortic valve disease] Mattern H, et al. **Klin Wochenschr** 1984 Jun 1;62(11):533–42 (Eng. Abstr.) **(Ger)**

[The physics of ultrasound] Scoggins W. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):470–5 **(Ger)**

[Doppler studies of arterial blood flow in the uterus during labor] Fendel H, et al. **Z Geburtshilfe Perinatol** 1984 Mar–Apr;188(2):64–7 (Eng. Abstr.) **(Ger)**

[Experimental study of osseous callus with ultrasonics] Carlini C, et al. **Chir Organi Mov** 1982–83;68(1):33–9 (Eng. Abstr.) **(Ita)**

[Ultrasonic grinding method for beveling micropipettes for electrophysiological measurements] Dendo I, et al. **Iyodenshi To Seitai Kogaku** 1983 Oct;21(6):476–7 **(Jpn)**

[Reversible functional shutdown of the optic tract on exposure to focused ultrasound] Adrianov OS, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):760–2 (Eng. Abstr.) **(Rus)**

[Structural and functional basis of the conditions for the activating action of focused ultrasound on the receptors of the acoustic labyrinth] Vartanian IA, et al. **Dokl Akad Nauk SSSR** 1984;276(2):494–7 **(Rus)**

[Effects of blood stabilizers (3-oxypyridine derivatives) on erythrocyte resistance to ultrasound hemolysis] Braginskaia FI, et al. **Gematol Transfuziol** 1984 Jan;29(1):53–7 (Eng. Abstr.) **(Rus)**

[Preparation of tissue antigens by the ultrasonic disintegration method] Sinel'nikova TG, et al. **Lab Delo** 1983;(12):35–7 (Eng. Abstr.) **(Rus)**

[Ultrasound velocimetry of lysozyme solutions] Nikitin SIa, et al. **Mol Biol (Mosk)** 1984 May–Jun;18(3):831–8 (Eng. Abstr.) **(Rus)**

[Experimental study of the acoustic properties of the cornea and sclera] Zhuravlev SV, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):57–8 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonic waves on the growth intensity of Mycobacterium leprae in liquid nutrient media] Badovskaia ZV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar; (3):26–9 (Eng. Abstr.) **(Rus)**

[Effect of low-frequency ultrasound on the chemotactic and phagocytic activity of peritoneal macrophages in rats] Kochemasova ZN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):64–7 (Eng. Abstr.) **(Rus)**

[Use of ultrasound to hasten glutaraldehyde fixation of animal tissues for electron microscopy] Polónyi J, et al. **Bratisl Lek Listy** 1984 May;81(5):566–73 (Eng. Abstr.) **(Slo)**

[Individualization of a correlation factor in the calculation of systolic acceleration by quantitative evaluation of the Doppler velocity curve] Pola P, et al. **Angiologia** 1984 Sep–Oct;36(5):232–43 (Eng. Abstr.) **(Spa)**

[Percutaneous drainage of a subphrenic abscess under echographic control (letter)] Marchetti FA, et al. **Medicina (B Aires)** 1983;43(4):475–6 **(Spa)**

[Effects of ultrasound on embryonic tissue in vitro] Grass J, et al. **Rev Chil Pediatr** 1983 May–Jun;54(3):153–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Sister chromatid exchanges after exposure to ultrasound and mitomycin C. Martin AO, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):991–6

Medical ultrasound: is there a hazard? Repacholi MH. **Australas Phys Eng Sci Med** 1983 Apr–Jun;6(2):64–70 (41 ref.)

Hazards of ultrasound [letter] Chalmers I. **Br Med J [Clin Res]** 1984 Jul 21;289(6438):184–5

How safe is diagnostic ultrasonography? Brown BS. **Can Med Assoc J** 1984 Aug 15;131(4):307–11 (36 ref.)

The safety of diagnostic ultrasonography. Muggah HF. **Can Med Assoc J** 1984 Aug 15;131(4):280, 282

Biological effects and possible hazards. Kremkau FW. **Clin Obstet Gynaecol** 1983 Dec;10(3):395–405

Safety and long-term effects of ultrasound: what to tell your patients. Kremkau FW. **Clin Obstet Gynecol** 1984 Jun; 27(2):269–75

Experts advise limiting routine ultrasound examinations. Martin DL. **Dimens Health Serv** 1984 Jun;61(6):21

Diagnostic insonation of extra utero human placentas: no effect of lymphocytic sister chromatid exchange. Brulfert A, et al. **Hum Genet** 1984;66(4):289–91

High-frequency hearing risk of operators of industrial ultrasonic devices. Grzesik J, et al. **Int Arch Occup Environ Health** 1983;53(1):77–88

Involvement of ultrasonically induced cavitation in the production of hind limb paralysis of the mouse neonate. Frizzell LA, et al. **J Acoust Soc Am** 1983 Sep;74(3):1062–5

Questions concerning safety and use of cranial ultrasonography in the neonate. Bergman I. **J Pediatr** 1983 Dec;103(6):855–8

Exposure to industrial ultrasound: hazards, appraisal and control. Acton WI. **J Soc Occup Med** 1983 Jul;33(3):107–13 (21 ref.)

The effects of pulsed ultrasound on the fetus. Carstensen EL, et al. **J Ultrasound Med** 1984 Apr;3(4):145–7 (17 ref.)

The effects of diagnostic ultrasound on sister chromatid exchange frequencies: a review of the recent literature. Jacobson-Kram D. **JCU** 1984 Jan;12(1):5–10 (36 ref.)

Ultrasound does not affect human lymphocyte transformation in vitro. Katoh AK, et al. **JCU** 1983 Aug;11(6):305–7

Can ultrasound cause genetic damage? Martin AO. **JCU** 1984 Jan;12(1):11–19 (44 ref.)

Short- and long-term risks after exposure to diagnostic ultrasound in utero. Stark CR, et al. **Obstet Gynecol** 1984 Feb;63(2):194–200

The influence of carrier frequency on the killing of Drosophila larvae by microsecond pulses of ultrasound [letter] Berg RB, et al. **Ultrasound Med Biol** 1983 Jul–Aug; 9(4):L448–51

Lack of ultrasound effect on in vitro human lymphocyte sister chromatid exchange. Brulfert A, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):309–13

Pulse average versus maximum intensity [letter] Carstensen EL, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):L451–5

The kinetics and mechanics of ultrasonically-induced cell lysis produced by non-trapped bubbles in a rotating culture tube. Church CC, et al. **Ultrasound Med Biol** 1983 Jul–Aug; 9(4):385–93

The effects of continuous wave and pulsed ultrasound on rat thymocytes in vitro. Dooley DA, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):379–84

Subharmonic emission as an indicator of ultrasonically-induced biological damage. Morton KI, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):629–33

[In vitro study of the cytogenetic effects produced by ultrasound used in medical therapy and administered alone

or in combination with X-rays] Decat G, et al. **C R Soc Biol (Paris)** 1984;178(2):224–9 (Eng. Abstr.) **(Fre)**

[Thermal skin and bone necrosis following injury with an ultrasound bonding machine] Feller AM, et al. **Aktuel Traumatol** 1984 Feb;14(1):37–9 (Eng. Abstr.) **(Ger)**

[Clinical follow-up studies of persons with extensive exposure to ultrasound radiation] Heyder N, et al. **Ultraschall Med** 1984 Feb;5(1):29–32 (Eng. Abstr.) **(Ger)**

[Prevention of infection in sonography] Tolon M, et al. **Ultraschall Med** 1984 Apr;5(2):77–9 (Eng. Abstr.) **(Ger)**

[Ultrasound and genetic material. Has ultrasound adverse effects on genetic material?] Wegner RD, et al. **ZFA (Stuttgart)** 1983 Aug 10;59(22):1213–9 **(Ger)**

[Action of ultrasound on the pulp tissue. A histological and histochemical study on human teeth] Favia G, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):213–6 (Eng. Abstr.) **(Ita)**

[Clinico-physiological characteristics of the contact action of high-frequency ultrasound] Zotkina VP, et al. **Gig Sanit** 1984 Feb;(2):85–7 **(Rus)**

[Results of a study of corneal sensitivity in ultrasonic defectoscope operators] Mozherenkov VP. **Vestn Oftalmol** 1984 Jul–Aug;(4):69–70 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Stroke volume measured by pulsed ultrasound Doppler and M-mode echocardiography. Lang-Jensen T, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):454–7

Significance of Doppler ultrasound technique for screening postoperative deep venous thrombosis. Sándor TM, et al. **Acta Chir Hung** 1983;24(2):81–7

Intraoperative ultrasonography in the surgical treatment of hepatic tumors. Nagasue N, et al. **Acta Chir Scand** 1984; 150(4):311–6

Ultrasound scanning for preoperative location of parathyroid tumours. Rastad J, et al. **Acta Chir Scand** 1984; 150(3):199–204

Dynamic recording of vasoconstrictor response to increased vascular transmural pressure. A study in patients with lower limb atherosclerosis. Stranden E. **Acta Chir Scand** 1984;150(1):25–30

Non excretory myeloma presenting as a liver nodule on ultrasound. Voet D, et al. **Acta Clin Belg** 1983;38(6):384–7

Ultrasound-guided percutaneous fine needle aspiration biopsy of abdominal and retroperitoneal masses. Accuracy of cytology in the diagnosis of malignancy, cytologic tumor typing and use of antibodies to intermediate filaments in selected cases. Droese M, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):368–84

Quantification of acroscleroses: measurement of skin thickness and skin-phalanx distance in females with 15 MHz pulsed ultrasound. Serup J. **Acta Derm Venereol (Stockh)** 1984; 64(1):35–40

Localized scleroderma (morphoea): thickness of sclerotic plaques as measured by 15 MHz pulsed ultrasound. Serup J. **Acta Derm Venereol (Stockh)** 1984;64(3):214–9

Monitoring of Clomid-hMG-hCG controlled ovulation by ultrasound and a rapid (15 minutes) total urinary estrogen assay. Feichtinger W, et al. **Acta Eur Fertil** 1983 Mar–Apr; 14(2):107–11

Significance of the ultrasonic morphology of preovulatory ovarian follicles prior to in vitro fertilization. Lenz S, et al. **Acta Eur Fertil** 1983 Sep–Oct;14(5):305–10

Dynamic echohysteroscopy: new perspectives for diagnostic sonography in female infertility. Nannini R, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):141–3

Tele-thermography and Eco-Doppler evaluation of subclinical varicocele in infertile men. Ponchietti R, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):283–4

Ultrasonic diagnosis of parotid gland tumors. Kralj Z, et al. **Acta Med Iugosl** 1984;38(2):111–8

Angiographic, ultrasound and isotopic scanning in the evaluation of hepatic masses. Pisco JM, et al. **Acta Med Port** 1984 Mar;5(3):95–102

Laser-Doppler flowmetry—a non-invasive and continuous method for blood flow evaluation in microvascular studies. Oberg PA, et al. **Acta Med Scand [Suppl]** 1984;687:17–24 (54 ref.)

Gastroschisis diagnosed in utero by ultrasound. Björnståhl H, et al. **Acta Obstet Gynecol Scand** 1983;62(3):283–4

First-trimester diagnosis of cystic nuchal hygroma [letter] Gustavii B, et al. **Acta Obstet Gynecol Scand** 1984; 63(4):377–8

Diagnosis in utero of congenital hydrocephalus by sonography and computerized tomography. Olund A, et al. **Acta Obstet Gynecol Scand** 1983;62(4):325–7

The ability of ultrasound to determine the time for harvesting preovulatory oocytes. Sundström P, et al. **Acta Obstet Gynecol Scand** 1983;62(3):219–23

Ultrasonographic biometry in congenital glaucoma. Tarkkanen A, et al. **Acta Ophthalmol (Copenh)** 1983 Aug; 61(4):618–23

Ultrasonography in hip joint effusion. Report of a child with transient synovitis. Wingstrand H, et al. **Acta Orthop Scand** 1984 Aug;55(4):469–71

Non-invasive examination of pulmonary stenosis by transcutaneous Doppler technique. Barbacki M, et al. **Acta Paediatr Hung** 1983;24(4):367–70

Prenatal diagnosis of Potter's syndrome by ultrasound. Helin I, et al. **Acta Paediatr Scand** 1983 Nov;72(6):939–41

Ultrasonography in congenital hypothyreosis. Pöyhönen L, et al. **Acta Paediatr Scand** 1984 Jul;73(4):523–6

Pulsed Doppler and B-mode ultrasound features of interposition meso-caval and porta-caval shunts. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):353–7

Complications of intracranial hemorrhage in premature infants. Ultrasound follow-up two to fifteen months after birth. Kaude JV, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(6):465–71

Comparison of ultrasound and CT images of liver metastases. Pamilo M, et al. **Acta Radiol [Diagn] (Stockh)** 1983; 24(2):139–43

Cranio-caudal movements of the liver, pancreas and kidneys in respiration. Suramo I, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):129–31

Morphologic aspects of hepatic abscesses at computed tomography and ultrasound. Terrier F, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):129–37

Echography. Bom N. **Acta Radiol [Suppl] (Stockh)** 1983; 365:67–9

Ultrasound guided percutaneous nephrostomy. Real-time procedure compared to former methods. Meyer-Schwickerath M, et al. **Acta Urol Belg** 1983; 51(4):435–40

Percutaneous nephrostomy guided by ultrasound. Schüller J, et al. **Acta Urol Belg** 1983;51(4):441–6

Doppler ultrasound screening for arterial disease in elderly stroke patients. Padayachee TS, et al. **Age Ageing** 1984 May;13(3):166–74

The value of modern non-invasive imaging techniques in the elderly. Willson SA, et al. **Age Ageing** 1984 Mar; 13(2):106–10

Comparison of sonography and computed tomography in the study of orbital space-occupying lesions. Berges O, et al. **AJNR** 1984 May-Jun;5(3):247–51

Schizencephaly: rare cerebral malformation demonstrated by sonography. DiPietro MA, et al. **AJNR** 1984 Mar-Apr; 5(2):196–8

Intraoperative sonography through a burr hole: guide for brain biopsy. Enzmann DR, et al. **AJNR** 1984 May-Jun; 5(3):243–6

Value of sagittal sonography and direct sagittal CT of the Dandy-Walker syndrome. Groenhout CM, et al. **AJNR** 1984 Jul-Aug;5(4):476–7

Intraoperative sonography of intraspinal tumors: initial experience. Knake JE, et al. **AJNR** 1983 Nov-Dec; 4(6):1199–201

Intracranial Serratia infection in preterm newborn infants. Lam AH, et al. **AJNR** 1984 Jul-Aug;5(4):447–51

Intramedullary spinal cord tumors in children: localization by intraoperative sonography. Raghavendra BN, et al. **AJNR** 1984 Jul-Aug;5(4):395–7

Cystic periventricular leukomalacia: sonographic and CT findings. Schellinger D, et al. **AJNR** 1984 Jul-Aug; 5(4):439–45

Dandy-Walker syndrome: recognition by sonography. Taylor GA, et al. **AJNR** 1983 Nov-Dec;4(6):1203–6

Sonographic features of parovarian cysts and their complications. Alpern MB, et al. **AJR** 1984 Jul; 143(1):157–60

Sonography of evolving renal cystic transformation associated with hemodialysis. Andersen BL, et al. **AJR** 1983 Nov;141(5):1003–4

Accessory fissures of the liver: CT and sonographic appearance. Auh YH, et al. **AJR** 1984 Sep;143(3):565–72

Antenatal detection of Down syndrome by sonography. Balcar I, et al. **AJR** 1984 Jul;143(1):29–30

Preoperative diagnosis of the Mirizzi syndrome: limitations of sonography and computed tomography. Becker CD, et al. **AJR** 1984 Sep;143(3):591–6

Gestational age [editorial] Birnholz JC. **AJR** 1984 Apr; 142(4):849–50

Sonographic features of hepatocellular disease in neonates and infants. Blane CE, et al. **AJR** 1983 Dec;141(6):1313–6

Caudothalamic groove: value in identification of germinal matrix hemorrhage by sonography in preterm neonates. Bowie JD, et al. **AJR** 1983 Dec;141(6):1317–20

Early antenatal sonographic recognition of thanatophoric dysplasia with cloverleaf skull deformity. Burrows PE, et al. **AJR** 1984 Oct;143(4):841–3

Prenatal diagnosis of semilobar holoprosencephaly. Cayea PD, et al. **AJR** 1984 Feb;142(2):401–2

Sonography case of the day. Charboneau JW, et al. **AJR** 1984 May;142(5):1075–9

Aspiration biopsy of peripheral pulmonary masses using real-time sonographic guidance. Cinti D, et al. **AJR** 1984 Jun;142(6):1115–6

Prenatal sonographic appearance of meconium ileus in twins. Denholm TA, et al. **AJR** 1984 Aug;143(2):371–2

Parathyroid cyst: diagnosis by sonography and needle aspiration. DeRaimo AJ, et al. **AJR** 1984 Jun;142(6):1227–8

Improved prediction of gestational age from fetal head measurements. Doubilet PM, et al. **AJR** 1984 Apr; 142(4):797–800

Detection of breast carcinoma: comparison of automated water-path whole-breast sonography, mammography, and physical examination. Egan RL, et al. **AJR** 1984 Sep; 143(3):493–7

Automated water-path full-breast sonography: correlation with histology of 176 solid lesions. Egan RL, et al. **AJR** 1984 Sep;143(3):499–507

The insensitivity of sonography in the detection of choledocholithiasis. Einstein DM, et al. **AJR** 1984 Apr; 142(4):725–8

Sonography of the patellar tendon: preliminary observations. Fornage BD, et al. **AJR** 1984 Jul;143(1):179–82

The hepatic interlobar fissure: combined in vitro and in vivo study. Fried AM, et al. **AJR** 1984 Sep;143(3):561–4

Sonography of the transverse fetal lie. Fried AW, et al. **AJR** 1984 Feb;142(2):421–3

Early intrauterine pregnancy with low serum hCG levels [letter] Gadwood KA. **AJR** 1984 May;142(5):1083–4

Subchorionic bleeding in threatened abortion: sonographic findings and significance. Goldstein SR, et al. **AJR** 1983 Nov;141(5):975–8

Sonography of brain tumors in infants. Han BK, et al. **AJR** 1984 Jul;143(1):31–6

Sonographic demonstration of duodenal obstruction with midgut volvulus. Hayden CK Jr, et al. **AJR** 1984 Jul; 143(1):9–10

Effect of examination time of day on the quality of real-time cholesonograms. Hess ML, et al. **AJR** 1984 Aug; 143(2):251–3

Diagnosis of giant varix of the coronary vein by pulsed-Doppler sonography. Huey H, et al. **AJR** 1984 Jul; 143(1):77–8

Sonography of testicular trauma. Jeffrey RB, et al. **AJR** 1983 Nov;141(5):993–5

Cystic adenomatoid malformation: antenatal demonstration. Johnson JA, et al. **AJR** 1984 Mar;142(3):483–4

High-resolution spinal sonography in infants. Kangarloo H, et al. **AJR** 1984 Jun;142(6):1243–7

Sonography of extrathoracic left-to-right shunts in infants and children. Kangarloo H, et al. **AJR** 1983 Nov; 141(5):923–6

Sonography of cavernous transformation of the portal vein. Kauzlaric D, et al. **AJR** 1984 Feb;142(2):383–4

An imaging approach to persistent neonatal jaundice. Kirks DR, et al. **AJR** 1984 Mar;142(3):461–5

Breast sonography to guide cyst aspiration and wire localization of occult solid lesions. Kopans DB, et al. **AJR** 1984 Sep;143(3):489–92

Hyperfunctioning cystic parathyroid glands: CT and sonographic findings. Krudy AG, et al. **AJR** 1984 Jan; 142(1):175–8

Sonographic recognition of postoperative meningocele. Laffey PA, et al. **AJR** 1984 Jul;143(1):177–8

Infundibulopelvic stenosis in children. Lucaya J, et al. **AJR** 1984 Mar;142(3):471–4

Sonographic recognition of in utero intraventricular hemorrhage. McGahan JP, et al. **AJR** 1984 Jan; 142(1):171–3

A comparison of computed tomography and sonography in choledocholithiasis. Mitchell SE, et al. **AJR** 1984 Apr; 142(4):729–33

Sonography of ovarian tumors: predictability of tumor type. Moyle JW, et al. **AJR** 1983 Nov;141(5):985–91

John Caffey Award. Sonography of the caudal spine and back: congenital anomalies in children. Naidich TP, et al. **AJR** 1984 Jun;142(6):1229–42

Sonographic detection of subtle pelvic fluid collections. Nyberg DA, et al. **AJR** 1984 Aug;143(2):261–3

Intraoperative spinal sonography: adjunct to metrizamide CT in the assessment and surgical decompression of posttraumatic spinal cord cysts. Quencer RM, et al. **AJR** 1984 Mar;142(3):593–601

Sonography of nongynecologic cystic masses of the pelvis. Rifkin MD, et al. **AJR** 1984 Jun;142(6):1169–74

Sonographic assessment of renal length in normal children. Rosenbaum DM, et al. **AJR** 1984 Mar;142(3):467–9

Contrast echocardiography in detection of portopulmonary venous anastomosis. Sano A, et al. **AJR** 1984 Jan; 142(1):137–40

Sonography of acute renal cortical necrosis. Sefczek RJ, et al. **AJR** 1984 Mar;142(3):553–4

Low sensitivity of sonography and cholescintigraphy in acalculous cholecystitis. Shuman WP, et al. **AJR** 1984 Mar; 142(3):531–4

Sonographic evaluation of experimental acute renal arterial occlusion in dogs. Spies JB, et al. **AJR** 1984 Feb; 142(2):341–6

Sonography of systemic lupus nephritis. Stanley JH, et al. **AJR** 1984 Jun;142(6):1165–8

Sonographic recognition of multiple cystic encephalomalacia. Stannard MW, et al. **AJR** 1983 Dec;141(6):1321–4

Sonographic demonstration of buckling of the great vessels of the neck. Subramanyam BR, et al. **AJR** 1984 Jun; 142(6):1111–3

Sonography of the accessory spleen. Subramanyam BR, et al. **AJR** 1984 Jul;143(1):47–9

Prenatal observation of umbilical cord hematoma. Sutro WH, et al. **AJR** 1984 Apr;142(4):801–2

Estimating fetal weights less than 2000 g: an accurate and simple method. Weinberger E, et al. **AJR** 1984 May; 142(5):973–7

Sonography and computed tomography in the diagnosis of carcinoma of the gallbladder. Weiner SN, et al. **AJR** 1984 Apr;142(4):735–9

Sonography after splenic embolization: the wedge-shaped acute infarct. Weingarten MJ, et al. **AJR** 1984 May; 142(5):957–9

Changing patterns in the evaluation of renal masses: economic implications. Zimmer WD, et al. **AJR** 1984 Aug;

143(2):285–9
Office use of the doppler for vascular disease. Pfeiffer RB, et al. **Ala Med** 1983 Dec;53(6):24–5,27
Ultrasonic measurement of subcutaneous fat on the upper leg. Weiss LW. **Am Correct Ther J** 1984 Mar–Apr; 38(2):40–3
Real-time ultrasonography in the diagnosis of intussusception. Ginaldi S, et al. **Am Fam Physician** 1983 Oct;28(4):151–4
Imaging techniques and renal infections. Stein K, et al. **Am Fam Physician** 1984 Jun;29(6):135–45
Detection of ischemic wall dysfunction: comparison between M-mode echocardiography and sonomicrometry. Guth B, et al. **Am Heart J** 1984 Mar;107(3):449–57
Microdissection by ultrasonication: scanning electron microscopy of the epithelial basal lamina of the alimentary canal in the rat. Low FN, et al. **Am J Anat** 1984 Feb; 169(2):137–47
Determination of cardiac output by transcutaneous continuous-wave ultrasonic Doppler computer. Chandraratna PA, et al. **Am J Cardiol** 1984 Jan 1; 53(1):234–7
Intraventricular hemorrhage. Incidence and outcome in a population of very-low-birth-weight infants. Hawgood S, et al. **Am J Dis Child** 1984 Feb;138(2):136–9
Head ultrasound screening in premature neonates weighing more than 1,500 g at birth. McGuinness GA, et al. **Am J Dis Child** 1984 Sep;138(9):817–20
Radiological case of the month. Hepatic and splenic candidiasis in acute leukemia. Sumner TE, et al. **Am J Dis Child** 1983 Dec;137(12):1193–4
Preoperative ultrasound and gallium-67 evaluation of abdominal non-Hodgkin's lymphoma. White L, et al. **Am J Dis Child** 1984 Aug;138(8):740–5
Ultrasound evaluation of small bowel abnormalities. Bluth EI. **Am J Gastroenterol** 1983 Dec;78(12):788–93
Sonography of the gallbladder in bone marrow transplant patients. Frick MP, et al. **Am J Gastroenterol** 1984 Feb; 79(2):122–7
Pursuit of the renal mass. Is ultrasound enough? Clayman RV, et al. **Am J Med** 1984 Aug;77(2):218–23
Age at clinical onset and at ultrasonographic detection of adult polycystic kidney disease: data for genetic counselling. Bear JC, et al. **Am J Med Genet** 1984 May; 18(1):45–53
Ultrasonography in preterm labor. Bartolucci L, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):52–6
Ultrasound diagnosis of meconium-stained amniotic fluid. Benacerraf BR, et al. **Am J Obstet Gynecol** 1984 Jul 1; 149(5):570–2
Antenatal diagnosis of median cleft face syndrome: sonographic demonstration of cleft lip and hypertelorism. Chervenak FA, et al. **Am J Obstet Gynecol** 1984 May 1; 149(1):94–7
The diagnosis of fetal hydrocephalus. Chervenak FA, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):703–16
Amniocentesis with the use of continuous real-time echography: experience with two hundred consecutive cases. Defoort P, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):973–4
The use of real-time ultrasound as an aid during difficult therapeutic abortion procedures. Goldenberg RL, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):826–7
Antenatal diagnosis of urinary tract abnormalities: correlation of ultrasound appearance with postnatal diagnosis. Gruenewald SM, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):278–83
Etiologic heterogeneity of fetal hydrocephalus diagnosed by ultrasound. Harrod MJ, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):38–40
Abruptio placentae: an unusual ultrasonic presentation. Hill LM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1144–5
Oligohydramnios: ultrasonically detected incidence and subsequent fetal outcome. Hill LM, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):407–10
Antenatal diagnosis of renal anomalies with ultrasound. I. Obstructive uropathy. Hobbins JC, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):868–77
Ultrasonographic determination of qualitative amniotic fluid volume in intrauterine growth retardation: reassessment of the 1 cm rule. Hoddick WK, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):758–62
A contemporary approach to suspected ectopic pregnancy with use of quantitative and qualitative assays for the beta-subunit of human chorionic gonadotropin and sonography. Holman JF, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):151–7
Preoperative sonographic diagnosis of infected urachal cyst in a parous woman. Jaffa AJ, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):220–1
Sonographic appearance of a pathologic retraction ring. Koontz WL, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):823–5
Accuracy of serum human chorionic gonadotropin concentrations and ultrasonic fetal measurements in determining gestational age. Lagrew DC, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):165–8
The antenatal sonographic detection of lung masses. Mayden KL, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):349–51
A survey of pregnancies complicated by decreased amniotic fluid. Mercer LJ, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):355–61
Sonographic determination of fetal sex from twelve weeks of gestation. Natsuyama E. **Am J Obstet Gynecol** 1984 Aug 1;149(7):748–57
The wavering midline: a diagnostic sign of fetal hydrocephalus. Nelson LH, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):662–5
Evaluation of sonography in the initial assessment of the gynecologic patient. O'Brien WF, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):598–602
The ultrasound estimation of sex-related variations of intrauterine growth. Parker AJ, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):665–9
Ultrasonographically observed early placental maturation and perinatal outcome. Patterson RM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):773–7
The importance of an antenatal ultrasonographic diagnosis of correctable fetal malformations. Sarda P, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):443–5
Umbilical velocity wave ratios in human pregnancy. Schulman H, et al. **Am J Obstet Gynecol** 1984 Apr 1; 148(7):985–90
Ultrasound evaluation of female genital tract anomalies: a review of 64 cases. Valdes C, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):285–92
Use of needle guide to improve sonographically directed amniocentesis [letter] Williamson RA, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):107–8
Ultrasonic findings after treatment of retinal detachment by intravitreal silicone instillation. Clemens S, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):369–73
Ultrasonographic mapping of vitreoretinal abnormalities. Zakov ZN, et al. **Am J Ophthalmol** 1983 Nov;96(5):622–31
Effects of myocardial contraction on ultrasonic backscatter before and after ischemia. Barzilai B, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H478–83
Carotid surgery without angiography. Crew JR, et al. **Am J Surg** 1984 Aug;148(2):217–20
Ultrasound diagnosis of rectus sheath hematoma. Cervantes J, et al. **Am Surg** 1983 Oct;49(10):542–5
Carcinoma masquerading as a pancreatic pseudocyst on ultrasound. Dennis JW, et al. **Am Surg** 1984 Jun;50(6):334–9
A controlled comparison of techniques for locating the internal jugular vein using ultrasonography. Metz S, et al. **Anesth Analg** 1984 Jul;63(7):673–9
Doppler-assisted radial artery cannulation in infants and children. Morray JP, et al. **Anesth Analg** 1984 Mar; 63(3):346–8
Doppler localization of the internal jugular vein facilitates central venous cannulation. Legler D, et al. **Anesthesiology** 1984 May;60(5):481–2
Noninvasive venous pressure measurements in different venous diseases. A new case collection. Bartolo M, et al. **Angiology** 1983 Nov;34(11):717–23
Clinical significance of Doppler velocity and blood pressure measurements in peripheral arterial occlusive disease. Hirai M, et al. **Angiology** 1984 Jan;35(1):45–53
The use of common carotid waveform analysis in the diagnosis of carotid occlusive disease. Langlois Y, et al. **Angiology** 1983 Oct;34(10):679–87
Pulsed Doppler assessment of deep femoral artery hemodynamics: a preliminary report. Marquis C, et al. **Angiology** 1984 May;35(5):269–75
Pulsed Doppler imaging and spectrum analysis for detection of carotid artery disease. Murie JA, et al. **Angiology** 1984 Apr;35(4):215–21
Duplex ultrasound imaging of the carotid arteries. Keski-Nisula L, et al. **Ann Clin Res** 1984;16 Suppl 40:23–6
Ultrasonography, arteriography and CT in the diagnosis of renal carcinoma. Leinonen A, et al. **Ann Clin Res** 1984;16 Suppl 40:27–30
Ultrasonography, computed tomography and arteriography in the evaluation of the local spreading of malignant renal neoplasm. Leinonen A, et al. **Ann Clin Res** 1984;16 Suppl 40:31–5
Preoperative localization of enlarged parathyroid glands. Mäkäräinen H, et al. **Ann Clin Res** 1984;16 Suppl 40:51–4
Ultrasonography of gastric tumours. Myllylä V, et al. **Ann Clin Res** 1984;16 Suppl 40:65–8
An ultrasonographic renal parenchymal index. Päivänsalo M, et al. **Ann Clin Res** 1984;16 Suppl 40:58–61
Normal pancreatic echogenicity: relation to structural unevenness and thickness in CT. Päivänsalo M. **Ann Clin Res** 1984;16 Suppl 40:69–71
Hyperechogenic renal tumours. Päivänsalo M, et al. **Ann Clin Res** 1984;16 Suppl 40:47–50
The effect of drugs, position of the patient and filling of the stomach on pancreatic sonography. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:62–4
Chance findings in ultrasonography of the gallbladder and the abdominal organs. Suramo I, et al. **Ann Clin Res** 1984; 16 Suppl 40:55–7
Pseudotumours and insignificant tumours in US and CT examinations of the adrenal glands. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:36–40
Ultrasonographic diagnosis of pancreatic carcinoma supplemented with CT or ERCP. Suramo I, et al. **Ann Clin Res** 1984;16 Suppl 40:44–6
Intrauterine and ruptured tubal ectopic pregnancy: a diagnostic challenge. Hayes HR, et al. **Ann Emerg Med** 1984 May;13(5):355–8
The efficacy of abdominal and pelvic ultrasound in the emergency department. Shea DJ, et al. **Ann Emerg Med** 1984 May;13(5):311–6
Outcome of neonatal intraventricular hemorrhage with periventricular echodense lesions. McMenamin JB, et al. **Ann Neurol** 1984 Mar;15(3):285–90
Doppler ultrasonography in the determination of neonatal brain death. McMenamin JB, et al. **Ann Neurol** 1983 Sep; 14(3):302–7
Ultrasound study of the nose and upper lip before birth. Christ JE, et al. **Ann Plast Surg** 1983 Oct;11(4):308–12
Non-invasive imaging techniques in surgery. Khan O, et al. **Ann R Coll Surg Engl** 1984 Mar;66(2):127–34
Sonography of mediastinal masses in infants and children. Claus D, et al. **Ann Radiol (Paris)** 1984 Feb-Mar; 27(2-3):150–9 (Eng, Fre)
Interest of ultrasound in Drash syndrome. A report of three cases. Garel L, et al. **Ann Radiol (Paris)** 1984 Feb-Mar; 27(2-3):223–7 (Eng, Fre)
Normal vascular anatomy on transfontanellar real time ultrasound in the newborn. Monsaingeon V, et al. **Ann Radiol (Paris)** 1984 Feb-Mar;27(2-3):228–34 (Eng, Fre)
Urinary tract malformations: prenatal diagnosis and neonatal follow-up by sonography. Tomà P, et al. **Ann Radiol (Paris)** 1984 Feb-Mar;27(2-3):215–22 (Eng, Fre)
Correlation of hemodynamically significant internal carotid stenosis with pulsed Doppler frequency analysis. Blackshear WM Jr, et al. **Ann Surg** 1984 Apr;199(4):475–81
Sonomicrometry: its application as a routine monitoring technique in cardiac surgery. Moores WY, et al. **Ann Thorac Surg** 1984 Aug;38(2):117–23
Pulse-transit sonomicrometry [letter] Spotnitz HM. **Ann Thorac Surg** 1983 Oct;36(4):493–4
Doppler ultrasonic brachial blood pressure measurements in normal Chinese neonates: a preliminary report. Ho TF, et al. **Ann Trop Paediatr** 1983 Sep;3(3):121–4
Intraoperative ultrasound. Hurwitz M. **AORN J** 1983 Dec; 38(6):979–84
Diagnostic ultrasound. A review of the state of the art. Neiman HL, et al. **Arch Dermatol** 1984 Feb;120(2):248–53
First experiences with a high-resolution ultrasonic scanner in the diagnosis of malignant melanomas. Kraus W, et al. **Arch Dermatol Res** 1983;275(4):235–8
Normal human skin echogram. Miyauchi S, et al. **Arch Dermatol Res** 1983;275(5):345–9
Decreased skin thickness of pigmented spots appearing in localized scleroderma (morphoea). Measurement of skin thickness by 15 MHz pulsed ultrasound. Serup J. **Arch Dermatol Res** 1984;276(2):135–7
Cardiac ultrasound of the fetus [editorial] Allan LD. **Arch Dis Child** 1984 Jul;59(7):603–4
Abdominal ultrasound in the diagnosis of cerebrospinal fluid pseudocysts complicating ventriculoperitoneal shunts. Briggs JR, et al. **Arch Dis Child** 1984 Jul;59(7):661–4
Positioning of umbilical arterial catheters with ultrasound. Garg AK, et al. **Arch Dis Child** 1983 Dec;58(12):1017–8
Continuous wave Doppler ultrasound in evaluation of cerebral blood flow in neonates. Gray PH, et al. **Arch Dis Child** 1983 Sep;58(9):677–81
Convexity cerebral haemorrhage in the neonate: in vivo ultrasound diagnosis. Morgan ME, et al. **Arch Dis Child** 1983 Oct;58(10):814–8
Ultrasound diagnosis of gastro-oesophageal reflux. Naik DR, et al. **Arch Dis Child** 1984 Apr;59(4):366–7
The 'bright thalamus' [letter] Shen EY. **Arch Dis Child** 1984 Jul;59(7):695
Ultrasound and necropsy study of periventricular haemorrhage in preterm infants. Szymonowicz W, et al. **Arch Dis Child** 1984 Jul;59(7):637–42
Preovulatory serum estradiol-17 beta values and ultrasound scans in 17 pregnancies which followed in vitro fertilization and embryo transfer after treatment with clomiphene and hCG. Feichtinger W, et al. **Arch Gynecol** 1984;234(3):213–7
Ultrasound study of ovarian morphology in women with polycystic ovary syndrome before and during treatment with an oestrogen/progestogen preparation. Venturoli S, et al. **Arch Gynecol** 1983;234(2):87–93
Ultrasound of the abdominal aorta. Bluth EI. **Arch Intern Med** 1984 Feb;144(2):377–80
Immersion A- and B-scan ultrasonography. Its use in preoperative evaluation of diabetic vitreous hemorrhage. Jalkh AE, et al. **Arch Ophthalmol** 1984 May;102(5):686–90
Classification of hip joint dysplasia by means of sonography. Graf R. **Arch Orthop Trauma Surg** 1984;102(4):248–55
Sonotubometry in chronic ear disease. Palva T, et al. **Arch Otolaryngol** 1984 Sep;110(9):596–9
Diagnostic ultrasound: its use in the evaluation of muscle. Hicks JE, et al. **Arch Phys Med Rehabil** 1984 Mar; 65(3):129–31
Ultrasound mapping of the buttock-cushion interface contour. Kadaba MP, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):467–9
Detection of technical error during arterial surgery by pulsed Doppler spectral analysis. Bandyk DF, et al. **Arch Surg** 1984 Apr;119(4):421–8
Use of intraoperative ultrasonography to localize a hepatic abscess. Glen PM, et al. **Arch Surg** 1984 Mar;119(3):347–8
Duplex ultrasonography, digital subtraction angiography, and conventional angiography in assessing carotid atherosclerosis. Glover JL, et al. **Arch Surg** 1984 Jun; 119(6):664–9
Expanded criteria for the diagnosis of deep venous

thrombosis. Use of the pulse volume recorder and Doppler ultrasonography. Howe HR Jr, et al. **Arch Surg** 1984 Oct; 119(10):1167–70

Interpretation of Doppler segmental pressures in peripheral vascular occlusive disease. Lynch TG, et al. **Arch Surg** 1984 Apr;119(4):465–7

Doppler ultrasonic detection of particulate release during hemodialysis with cellulose hollow-fiber and sorbent suspension reciprocating dialyzers. Badylak SF, et al. **Artif Organs** 1984 May;8(2):220–3

Prenatal diagnosis of Ebstein's anomaly. Hara K, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):439–43

Ultrasonic assessment of cause of genital bleeding during pregnancy. Hata T, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):295–301

Identification of affected sites in fetal gastroduodenal obstructions by real-time ultrasonic tomography. Nabekura J, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec; 9(4):427–33

An evaluation of ultrasonic fetal weight prediction in a Chinese population using established charts on abdominal circumference and biparietal diameter. Wan CW, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):173–6

The problem of antenatal diagnosis of microcephaly by ultrasonography in twin pregnancy. Chadwick JM, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):244–7

Prognostic predictions of threatened abortion. A comparison between real-time ultrasound, clinical assessment and urinary human chorionic gonadotrophin (HCG). Ping SK. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):99–102

Pregnancy hydronephrosis—a longitudinal ultrasonic evaluation. Woo JS, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):9–13

Partial hydatidiform mole: ultrasonographic features. Woo JS, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):103–7

The management of testicular epidermoid cysts and other benign intra-tunica albuginea testicular tumours with particular reference to scrotal ultrasound studies. Brown RB. **Aust NZ J Surg** 1984 Jun;54(3):229–32

The use of directional Doppler ultrasound in the assessment of saphenofemoral incompetence. Chan A, et al. **Aust NZ J Surg** 1983 Oct;53(5):399–402

Doppler ultrasound detection of saphenofemoral and saphenopopliteal incompetence and operative venography to ensure precise saphenopopliteal ligation. Hoare MC, et al. **Aust NZ J Surg** 1984 Feb;54(1):49–52

Special investigations prior to surgery for varicose veins [editorial] Myers KA. **Aust NZ J Surg** 1983 Oct;53(5):394–6

Fetal urinary tract abnormalities detected on maternal ultrasound. Ford WD, et al. **Aust Paediatr J** 1984 Mar; 20(1):67–72

Ultrasonic fetal weight estimation in multiple and singleton pregnancy. Lukacs HA, et al. **Aust Paediatr J** 1984 Mar; 20(1):59–61

The accuracy of ultrasound techniques in diagnosing pregnancy in beef cattle. Tierney TJ. **Aust Vet J** 1983 Aug; 60(8):250–1

A review of low intensity bioeffects and their relation to B-mode ultrasonic imaging. Barnett SB, et al. **Australas Radiol** 1983 Nov;27(3):297–302

Fetal and neonatal hydronephrosis. Lebowitz RL, et al. **Australas Radiol** 1984 Feb;28(1):31–3

Omphalocele, hernia of the umbilical cord and gastroschisis. Verco PW. **Australas Radiol** 1983 Nov;27(3):274–82

Ultrasonography in the diagnosis of obstructive jaundice. Ahmed K, et al. **Bangladesh Med Res Counc Bull** 1984 Jun;10(1):13–6

A digital interface for ultrasound tissue characterization study. Botros N, et al. **Biomed Sci Instrum** 1984;20:149–55

Quantitative techniques in ultrasound. Carson PL. **Biomed Sci Instrum** 1984;20:1–4

Sonography quiz. Hydronephrosis. Rivera R. **Bol Asoc Med PR** 1983 Sep;75(9):426–7

Sonography quiz (cervical incompetence). Rivera RM. **Bol Asoc Med PR** 1984 Jun;76(6):270–1

Sonography quiz. Transitional cell carcinoma. Rivera RM. **Bol Asoc Med PR** 1983 Mar;75(3):123–4

Non-invasive assessment of pulmonary valve stenosis with a multigate pulsed Doppler system. de Knecht S, et al. **Br Heart J** 1983 Dec;50(6):592–3

Evaluation of systolic murmurs by Doppler ultrasonography. Hoffmann A, et al. **Br Heart J** 1983 Oct;50(4):337–42

Use of continuous wave Doppler ultrasound velocimetry to assess the severity of coarctation of the aorta by measurement of aortic flow velocities. Wyse RK, et al. **Br Heart J** 1984 Sep;52(3):278–83

Measurement of the depth to the extradural space using ultrasound. Currie JM. **Br J Anaesth** 1984 Apr;56(4):345–7

The use of Doppler ultrasound techniques to study the effects of isoprenaline and beta-adrenoceptor blocking drugs on peripheral blood vessels in man. Fitzgerald DE, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):773–6

Jaundice, ultrasound and percutaneous transhepatic cholangiography—a surgical appraisal. Tasker DG, et al. **Br J Clin Pract** 1983 Oct;37(10):333–5, 358

The safety of diagnostic ultrasound. McNay MB, et al. **Br J Hosp Med** 1984 Jul;32(1):35–8

Doppler ultrasound measurement of cardiac output. Rawles J, et al. **Br J Hosp Med** 1984 Apr;31(4):292–7

Prenatal diagnosis. Ultrasound. Smith PA, et al. **Br J Hosp Med** 1984 Jun;31(6):421–6 (26 ref.)

The value of ultrasound measurement of amniotic fluid volume in the management of prolonged pregnancies. Crowley P, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):444–8

In-vivo accuracy of ultrasound measurements of intrauterine volume in pregnancy. Geirsson RT, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):37–40

Spontaneous resolution of maternal hydramnios in congenital cystic adenomatoid malformation of the lung. Antenatal ultrasound features. Case report. Glaves J, et al. **Br J Obstet Gynaecol** 1983 Nov;90(11):1065–8

Diagnostic ultrasound in the assessment of patients with incompetent cervix. Jackson G, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):232–6

The advantage of antenatal diagnosis of intestinal and urinary tract malformations. Kullendorff CM, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):144–7

Antenatal diagnosis of intracranial arteriovenous fistula by ultrasonography. Case report. Mao K, et al. **Br J Obstet Gynaecol** 1983 Sep;90(9):872–3

Product of fetal crown-rump length and trunk area: ultrasound measurement in high-risk pregnancies. Neilson JP, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):756–61

Assessment of fetal biparietal diameter during normal pregnancy by ultrasound in Nigerian women. Okupe RF, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):629–32

Fetal cephalometry by ultrasound as a screening procedure for the prenatal detection of Down's syndrome. Perry TB, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):138–43

Wandering spleen in two children—the role of ultrasonic diagnosis. Barki Y, et al. **Br J Radiol** 1984 Mar; 57(675):267–70

Ultrasound demonstration of changes in the normal portal venous system following a meal. Bellamy EA, et al. **Br J Radiol** 1984 Feb;57(674):147–9

Ultrasonography of hepatic cavernous haemangiomas. Bruneton JN, et al. **Br J Radiol** 1983 Nov;56(671):791–5

Cystic adenomatoid malformation of the lung (Stocker Type III) found on antenatal ultrasound examination. Cave AP, et al. **Br J Radiol** 1984 Feb;57(674):176–8

The value of ultrasound in previously undiagnosed renal failure. Denton T, et al. **Br J Radiol** 1984 Aug; 57(680):673–5

Neonatal intracranial haemorrhage: the cause of the ultrasound appearances. Dewbury KC, et al. **Br J Radiol** 1983 Nov;56(671):783–9

Examination of the pathological scrotum with dynamic and static ultrasound. Forsberg L, et al. **Br J Radiol** 1983 Dec; 56(672):921–4

Ultrasonic detection of occult testicular neoplasms in patients with gynaecomastia. Hendry WS, et al. **Br J Radiol** 1984 Jul;57(679):571–2

In utero torsion of the testis: antenatal and postnatal ultrasonic appearances. Hubbard AE, et al. **Br J Radiol** 1984 Jul;57(679):644–6

Real time ultrasonography of the biliary tree or oral cholecystography? [letter] Jackson FI. **Br J Radiol** 1984 Feb;57(674):193

Ultrasonically guided fine needle aspiration biopsy of retroperitoneal mass lesions. Juul N, et al. **Br J Radiol** 1984 Jan;57(673):43–6

Ultrasonic diagnosis of duplication cysts in children. Lamont AC, et al. **Br J Radiol** 1984 Jun;57(678):463–7

Sonographic appearances in two neonates with generalised meconium peritonitis: the snowstorm sign. Lawrence PW, et al. **Br J Radiol** 1984 Apr;57(676):340–2

Parathyroid venous sampling and ultrasonography in primary hyperparathyroidism due to multigland disease. Manhire AR, et al. **Br J Radiol** 1984 May;57(677):375–80

A comparison of computed tomography, ultrasound and scintigraphy in the diagnosis of alcoholic liver disease. Meek DR, et al. **Br J Radiol** 1984 Jan;57(673):23–7

Ultrasound in the localisation of bladder tumours for radiotherapy treatment planning. Perkins AC, et al. **Br J Radiol** 1984 Mar;57(675):241–5

A clinical trial of automatic gain control in obstetric ultrasonics. Pye SD, et al. **Br J Radiol** 1983 Dec; 56(672):964–8

Ultrasonic diagnosis of a choroid plexus neoplasm in a child. Reddy PS, et al. **Br J Radiol** 1984 Apr;57(676):342–4

Ultrasound diagnosis of adenomyomatosis of the gall bladder. Sagar G, et al. **Br J Radiol** 1984 May;57(677):432–5

Repeatability of blood flow measurement using multichannel pulsed Doppler ultrasound. Stacey-Clear A, et al. **Br J Radiol** 1984 May;57(677):419–20

Sonographic detection of large spontaneous spleno-renal shunts and its clinical significance. Takayasu K, et al. **Br J Radiol** 1984 Jul;57(679):565–70

Should surgeons operate on the evidence of ultrasound alone in jaundiced patients? Eyre-Brook IA, et al. **Br J Surg** 1983 Oct;70(10):587–9

Non-invasive location of arterial stenoses [letter] Fulton TJ, et al. **Br J Surg** 1984 Jun;71(6):479–81

A comparison between two types of waveform analysis in patients with multisegmental arterial disease. Junger M, et al. **Br J Surg** 1984 May;71(5):345–8

The demonstration of saphenofemoral incompetence; doppler ultrasound compared with standard clinical tests. McIrvine AJ, et al. **Br J Surg** 1984 Jul;71(7):509–10

Common femoral artery Doppler wave-forms: a comparison of three methods of objective analysis with direct pressure measurements. Macpherson DS, et al. **Br J Surg** 1984 Jan; 71(1):46–9

Perinatal ultrasound monitoring: early detection and treatment of congenital uropathy. dell'Agnola CA, et al. **Br J Urol** 1983 Oct;55(5):469–72

Progress in transrectal ultrasonography for prostatic disease. Okafor PI, et al. **Br J Urol** 1983 Dec;55(6):721–5

Computed tomography and transrectal ultrasound in the diagnosis of prostatic disease—a comparative study. Rickards D, et al. **Br J Urol** 1983 Dec;55(6):726–32

Ultrasound visualization of congenital malformations. Campbell S, et al. **Br Med Bull** 1983 Oct;39(4):322–31 (33 ref.)

Ultrasonic diagnosis of portal hypertension [letter] **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1299–300

Imaging procedures to diagnose gall bladder disease [editorial] Bouchier IA. **Br Med J [Clin Res]** 1984 Jun 2; 288(6431):1632–3

Ultrasound brain scanning in the newborn [editorial] Chiswick ML. **Br Med J [Clin Res]** 1984 Aug 11; 289(6441):337–8

Ultrasonic diagnosis of portal hypertension [letter] Cottone M, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):326

Value of ultrasonic measurement of spinal canal diameter in general practice. Drinkall JN, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):121–2

Obstruction of the fetal urinary tract: role for surgical intervention in utero? [letter] Turnock RR, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1234–5

Soft tissue anatomy of the tongue and floor of the mouth: an ultrasound demonstration. Shawker TH, et al. **Brain Lang** 1984 Mar;21(2):335–50

Ultrasonography in retinoblastoma suspected cases. Goes F, et al. **Bull Soc Belge Ophtalmol** 1982;203:35–45

Detection of drusen of the optic disc in children by B-scan ultrasonography. Noël LP, et al. **Can J Ophthalmol** 1983 Oct;18(6):266–8

Doppler flow maps of the carotid artery compared with the findings on angiography. Spence JD, et al. **Can J Surg** 1983 Nov;26(6):556–8

Doppler waveform analysis versus segmental pressure and pulse-volume recording: assessment of occlusive disease in the lower extremity. Symes JF, et al. **Can J Surg** 1984 Jul;27(4):345–7

Update on ectopic pregnancy [letter] Brown BS. **Can Med Assoc J** 1984 May 15;130(10):1262

Carotid Doppler evaluation in cerebrovascular disease. D'Alton JG, et al. **Can Med Assoc J** 1983 Dec 1; 129(11):1184–9

Carotid Doppler evaluation in cerebrovascular disease [letter] Hudon G. **Can Med Assoc J** 1984 May 1;130(9):1114, 1116

Masking of fetal supraventricular tachycardia by electronic monitoring artefact. Post WD, et al. **Can Med Assoc J** 1984 Sep 1;131(5):462–4

Carotid Doppler evaluation in cerebrovascular disease [letter] Rankin RN, et al. **Can Med Assoc J** 1984 Mar 15; 130(6):672–3, 676

Other imaging techniques. Isard HJ. **Cancer** 1984 Feb 1;53(3 Suppl):658–64

Transrectal ultrasonography of the prostate. Pontes JE, et al. **Cancer** 1984 Mar 15;53(6):1369–72

Ultrasonic measurement of melanosomes for characterization of their physicochemical structure in B16 and Harding-Passey melanomas. Kono R, et al. **Cancer Res** 1984 Oct;44(10):4337–41

Blood volume flow and sonagram disturbance in diseased common carotid arteries: one year follow-up. Fitzgerald DE, et al. **Cardiovasc Res** 1984 Apr;18(4):206–11

The velocity profile in the canine ascending aorta and its effects on the accuracy of pulsed Doppler determinations of mean blood velocity. Lucas CL, et al. **Cardiovasc Res** 1984 May;18(5):282–93

Estimation of blood-flow quality by statistical analysis or an ultrasonic Doppler signal: application to the study of perturbations caused by a vascular stenosis. Moutet JP, et al. **Cardiovasc Res** 1983 Nov;17(11):678–90

Grey scale ultrasonography in diagnosis of pelvic mass and early ovarian carcinoma. Xu L, et al. **Chin Med J [Engl]** 1983 Nov;96(11):829–34

Dynamic mammalian cardiogenesis investigated by high-resolution ultrasound in guinea pigs. Loeber C, et al. **Circulation** 1983 Oct;68(4):841–5

Ultrasonic assessment of the St. Jude prosthetic valve: M mode, two-dimensional, and Doppler echocardiography. Weinstein IR, et al. **Circulation** 1983 Nov;68(5):897–905

Blood flow measurements in the fetal descending aorta: technique and clinics. Tonge HM, et al. **Clin Cardiol** 1984 Jun;7(6):323–9

The uses of diagnostic ultrasound in the thorax. Simeone JF, et al. **Clin Chest Med** 1984 Jun;5(2):281–90

The determination of skin thickness using conventional diagnostic ultrasound equipment. Kirsch JM, et al. **Clin Exp Dermatol** 1984 May;9(3):280–5

Ultrasound and hormonology in the diagnosis of hydatiform mole with coexistent foetus. A case report. Gerli M, et al. **Clin Exp Obstet Gynecol** 1983;10(4):185–7

Ultrasound placental study and fetal lung maturity. Tolino A, et al. **Clin Exp Obstet Gynecol** 1983;10(4):208–9

Prenatal echographic diagnosis of ovarian cyst in a female fetus. Tolino A, et al. **Clin Exp Obstet Gynecol** 1983; 10(2–3):120–3

Polyhydramnion in early pregnancy. Case report. Zakut H, et al. **Clin Exp Obstet Gynecol** 1984;11(3):67–8

The quantitation of arterial elasticity from Doppler flow

measurements. Kenny P, et al.
Clin Exp Pharmacol Physiol 1983 May-Jun;10(3):315–8
Ultrasound in infancy and childhood. Garel L, et al.
Clin Gastroenterol 1984 Jan;13(1):161–82 (36 ref.)
Ultrasound in gastroenterology. Meire HB.
Clin Gastroenterol 1984 Jan;13(1):183–203 (20 ref.)
Occurrence of hematoma after renal biopsy: systematic follow-up study by sonography [letter] Päivänsalo M, et al. **Clin Nephrol** 1984 May;21(5):302–3
Reversed ophthalmic Doppler signal: a study of its significance. Strik F. **Clin Neurol Neurosurg** 1984;86(1):13–6
Sonographic and scintigraphic detection of a bile leak in a post-cholecystectomy patient. Recognition of the tail sign. Rienzo RJ, et al. **Clin Nucl Med** 1983 Oct;8(10):480–2
Early detection of congenital heart disease in prenatal life. Allan LD. **Clin Obstet Gynaecol** 1983 Dec;10(3):507–14
The prenatal diagnosis of fetal structural anomalies by ultrasound. Campbell S, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):475–506
Current status of fetal age and growth assessment. Chervenak FA, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):423–44 (77 ref.)
Screening for ovarian cancer. Goswamy RK, et al.
Clin Obstet Gynaecol 1983 Dec;10(3):621–43
Ultrasound examination of the placenta. Grannum PA.
Clin Obstet Gynaecol 1983 Dec;10(3):459–73
Fetal and utero-placental blood flow. Griffin D, et al.
Clin Obstet Gynaecol 1983 Dec;10(3):565–602 (49 ref.)
Ultrasound scanning of ovarian follicles. Hackelöer BJ, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):603–20
Ultrasonic assessment of fetal activity. Maršál K.
Clin Obstet Gynaecol 1983 Dec;10(3):541–63 (117 ref.)
Ectopic pregnancy. Robinson HP, et al.
Clin Obstet Gynaecol 1983 Dec;10(3):407–21
Ultrasound guided invasive procedures in obstetrics. Rodeck CH, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):515–39 (85 ref.)
The present place of routine ultrasound screening. Warsof SL, et al. **Clin Obstet Gynaecol** 1983 Dec;10(3):445–57
Pelvic masses in pregnancy. Bezjian AA.
Clin Obstet Gynecol 1984 Jun;27(2):402–15 (20 ref.)
The use of real-time ultrasound in the management of obstetric emergencies. Davis RO, et al.
Clin Obstet Gynecol 1984 Mar;27(1):68–77
The use of ultrasound in the diagnosis of fetal lung maturity. Golde SH, et al. **Clin Obstet Gynecol** 1984 Jun; 27(2):391–401 (57 ref.)
The clinical role of placental imaging. Gottesfeld KR.
Clin Obstet Gynecol 1984 Jun;27(2):327–41 (34 ref.)
Sonographic detection of abnormal fetal growth patterns. Hadlock FP, et al. **Clin Obstet Gynecol** 1984 Jun; 27(2):342–51 (20 ref.)
Ultrasound estimation of gestational age. Hohler CW.
Clin Obstet Gynecol 1984 Jun;27(2):314–26 (50 ref.)
The introduction of microcomputers into the analysis of office obstetric ultrasound examinations. Hohler CW.
Clin Obstet Gynecol 1984 Jun;27(2):416–24
Molar pregnancy: presentation and diagnosis. Kohorn EI.
Clin Obstet Gynecol 1984 Mar;27(1):181–91
Normal fetal and pelvic anatomy: a cross-section review. Medearis AL, et al. **Clin Obstet Gynecol** 1934 Jun; 27(2):276–85
Diagnostic ultrasound in the first trimester of pregnancy. Romero R, et al. **Clin Obstet Gynecol** 1984 Jun; 27(2):286–313 (96 ref.)
Multiple gestation. Socol ML, et al. **Clin Obstet Gynecol** 1984 Jun;27(2):352–8 (25 ref.)
Sonography in cranial arteriovenous malformation presenting with cardiac failure. Bhat AM, et al.
Clin Pediatr (Phila) 1984 Apr;23(4):248
Intracranial parenchymal hemorrhage in a full-term infant. An unusual clinical presentation with ultrasonographic diagnosis. Meidell R, et al. **Clin Pediatr (Phila)** 1983 Nov; 22(11):780–3
Non-invasive fetal monitoring using radiotelemetry. Albert DJ, et al. **Clin Phys Physiol Meas** 1983 Aug;4(3):291–8
The radiological appearances of hydatid disease of the liver. Beggs I. **Clin Radiol** 1983 Sep;34(5):555–63
The radiological appearances of the liver after surgical removal of hydatid cyst. Beggs I, et al. **Clin Radiol** 1983 Sep;34(5):565–71
Real-time ultrasonic characteristics of the breast. Bloomberg TJ, et al. **Clin Radiol** 1984 Jan;35(1):21–7
Neurosonographic identification of ventricular asymmetry in premature infants. Cohen MD, et al. **Clin Radiol** 1984 Jan; 35(1):29–31
Carotid artery imaging using duplex scanning and bidirectional arteriography: a comparison. Colhoun E, et al. **Clin Radiol** 1984 Mar;35(2):101–6
Ultrasound demonstration of bowel wall thickness in inflammatory bowel disease. Dubbins PA. **Clin Radiol** 1984 May;35(3):227–31
Ultrasonic assessment of infectious meningitis. Fisher RM, et al. **Clin Radiol** 1984 Jul;35(4):267–73
Ultrasonic appearances associated with prostatic inflammation: a preliminary study. Griffiths GJ, et al.
Clin Radiol 1984 Sep;35(5):343–5
The ultrasonic appearances of the septa of Bertin in children. Hardwick D, et al. **Clin Radiol** 1984 Mar;35(2):107–12
Transfontanellar ultrasound of term infants. Hayward C.
Clin Radiol 1984 Sep;35(5):337–41
Computed tomography of soft-tissue lesions of the extremities, pelvic and shoulder girdles: sonographic and pathological correlations. Hermann G, et al. **Clin Radiol** 1984 May;35(3):193–202
Splenic abscess: a review with the value of ultrasound. Hertzanu Y, et al. **Clin Radiol** 1983 Nov;34(6):661–7
The primary role of ultrasound in evaluating right-sided diaphragmatic humps and juxtadiaphragmatic masses: a review of 22 cases. Khan AN, et al. **Clin Radiol** 1984 Sep; 35(5):413–8
Ultrasonic parathyroid localisation in previously operated patients. Krudy AG, et al. **Clin Radiol** 1984 Mar; 35(2):113–8
Ultrasound evaluation of complications in shunted hydrocephalus. Lipinski JK, et al. **Clin Radiol** 1984 Jul; 35(4):275–9
The echography of pelvi-ureteric junction obstruction in children. Metreweli C, et al. **Clin Radiol** 1983 Sep; 34(5):547–50
Abdominal hydatid disease: computed tomographic and ultrasound changes during albendazole therapy. Morris DL, et al. **Clin Radiol** 1984 Jul;35(4):297–300
Sonography as an aid to diagnosis of caecal carcinoma in the elderly. Owens AP, et al. **Clin Radiol** 1983 Nov; 34(6):669–72
Arthrosonography of the painful hip. Wilson DJ, et al.
Clin Radiol 1984 Jan;35(1):17–9
Sonography in rheumatology. Ralls PW. **Clin Rheum Dis** 1983 Aug;9(2):443–51
Lumbosacral lipoma investigated by conventional radiography, ultrasound and direct coronal mode CT-scanning. Hageman G, et al. **Computertomographie** 1982 Jun;2(2):92–5
The sonographic visualization of the vesico-ureteral junction. Marchal GJ, et al. **Computertomographie** 1982 Jun;2(2):62–7
Quantification of cutaneous oedema in patch test reactions by measurement of skin thickness with high-frequency pulsed ultrasound. Serup J, et al. **Contact Dermatitis** 1984 Feb;10(2):88–93
Ultrasonic measurement of ovarian follicles during chronic LRH agonist treatment for contraception. Bergquist C, et al. **Contraception** 1983 Aug;28(2):125–33
Ultrasonic evaluation of the infant head. Creed L, et al.
CRC Crit Rev Diagn Imaging 1984;21(1):37–84 (69 ref.)
Ultrasonographic evaluation of the retrocaval region. Merritt CR. **CRC Crit Rev Diagn Imaging** 1983;20(3):215–59 (40 ref.)
Cranial sonography: anatomic and pathological correlation. Stannard MW, et al. **CRC Crit Rev Diagn Imaging** 1984; 22(3):163–268 (131 ref.)
Prediction of cerebral death by cranial sector scan. Furgiuele TL, et al. **Crit Care Med** 1984 Jan;12(1):1–3
Ultrasonic characteristics of frozen liver. Onik G, et al.
Cryobiology 1984 Jun;21(3):321–8
A new screening technique for renal artery occlusive disease. Norris CS, et al. **Curr Surg** 1984 Mar-Apr;41(2):83–6
Sonography of the genitourinary system: an update. Rifkin MD, et al. **Del Med J** 1983 Nov;55(11):633–8
Ultrasonographic determination of residual urine in diabetic subjects: relationship to neuropathy and urinary tract infection. Beylot M, et al. **Diabetes Care** 1982 Sep-Oct; 5(5):501–5
Localization by ultrasound of hyperparathyroid tumors not detected by computed tomography. Derksen OS, et al.
Diagn Imag Clin Med 1984;53(3):131–4
Sonographic detection of early gallbladder cancer. Lampmann LE, et al. **Diagn Imag Clin Med** 1984; 53(2):99–103
Adult abdominoscrotal hydrocele. Lampmann LE, et al.
Diagn Imag Clin Med 1984;53(3):158–62
Radiologic findings in a hypothalamic hamartoma. Martijn A. **Diagn Imag Clin Med** 1984;53(4):182–5
Echographic follow-up of an abdominal aortic aneurysm treated with a prosthetic bypass. Rapaccini GL, et al.
Diagn Imag Clin Med 1984;53(2):104–6
Portal vein thrombosis in hepatocellular carcinoma demonstrated by ultrasound. Tang-Barton P, et al.
Diagn Imag Clin Med 1984;53(2):73–76
Diagnostic efficacy of echography in cholestasis. Baddeley H, et al. **Diagn Imaging** 1983;52(6):316–22
Secretin administration induces a dilatation of main pancreatic duct. Bolondi L, et al. **Dig Dis Sci** 1984 Sep; 29(9):802–8
Gallbladder inertia in celiac disease: ultrasonographic demonstration. Delamarre J, et al. **Dig Dis Sci** 1984 Sep; 29(9):876–7
Ultrasonic detection of colonic carcinoma in emergency. Sianesi M, et al. **Dis Colon Rectum** 1984 Mar;27(3):168–71
Diagnosis and evolution of periventricular leukomalacia: a study with real-time ultrasound. Dolfin T, et al.
Early Hum Dev 1984 Feb;9(2):105–9
Cardiac ventricular geometry and function in the growth-retarded fetus. Vosters RP, et al.
Early Hum Dev 1983 Oct;8(3–4):209–15
Sonar cephalometry and fetal age relationship in the Nigerian women. Osefo NJ, et al. **East Afr Med J** 1983 Feb; 60(2):98–103
Ultrasonic tissue characterisation of skeletal muscle. Cady EB, et al. **Eur J Clin Invest** 1983 Dec;13(6):469–73
Transrectal ultrasonography and cervical neoplasia. A preliminary report. Di Candio G, et al.
Eur J Gynaecol Oncol 1984;5(3):194–202
Sonographic morphology of the endometrial hyperplasia. Sampaolo P, et al. **Eur J Gynaecol Oncol** 1984;5(1):64–8
Diagnosis by ultrasonography and isotopic phlebography of a malformation of the inferior vena cava: proximal transposition with anterior crossing over the aorta. Pinedo JI, et al. **Eur J Nucl Med** 1983;8(12):549–51
Uterus didelphys. Ultrasound diagnosis in the case of an adnexal mass as a presenting symptom in early pregnancy. Hochner-Celnikier D, et al.
Eur J Obstet Gynecol Reprod Biol 1984 Jan;16(5):339–42
Changes of the clinical presentation of abruptio placentae. Kuhn W, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 May;17(2–3):131–40
Prenatal ultrasonic diagnosis of meconium peritonitis in a preterm infant. De Curtis M, et al. **Eur J Pediatr** 1983 Oct; 141(1):51–2
Sonography in the diagnosis and follow-up of pancreatic pseudocysts in childhood. A report of 4 cases. Abdesselem K, et al. **Eur J Radiol** 1984 Aug;4(3):213–5
Real time sonographic diagnosis of adrenal haemorrhage. Alanen A, et al. **Eur J Radiol** 1984 Aug;4(3):210–2
Computerized tomography of a mediastinal pancreatic pseudocyst. Daehnert W, et al. **Eur J Radiol** 1983 Nov; 3(4):375–7
The role of ultrasonography in the diagnosis of tumours of the renal pelvis. Dalla-Palma L, et al. **Eur J Radiol** 1984 May;4(2):156–60
Comment to the paper 'Ultrasound and computer tomography in staging of bladder tumours'. de Lange EE, et al. **Eur J Radiol** 1983 Nov;3(4):365–6
Ultrasound in acute renal inflammatory lesions. Fiegler W.
Eur J Radiol 1983 Nov;3(4):354–7
Comparative study of ultrasound and ERCP in the diagnosis of hepatic, biliary and pancreatic diseases: a prospective study based on a continuous series of 424 patients. Frederic N, et al. **Eur J Radiol** 1983 Aug;3(3):208–11
The value of ultrasonography in the diagnosis of hepatic haemangiomas. Gandolfi L, et al. **Eur J Radiol** 1983 Aug; 3(3):222–6
Studies of blood flow employing duplex, pulsed Doppler real-time sonography. James AE Jr, et al. **Eur J Radiol** 1983 Aug;3 Suppl 1:268–72
Adenolipoma of the liver. A unique case with ultrasound and CT patterns. Kurdziel JC, et al. **Eur J Radiol** 1984 Feb;4(1):45–6
Acoustic microscopy: a new tool for ultrasonic breast tissue characterization. Lamarque JL, et al. **Eur J Radiol** 1983 Aug;3(3):221
Sonographic pattern of focal nodular hyperplasia of the liver. Majewski A, et al. **Eur J Radiol** 1984 Feb;4(1):52–7
Indications for and comparative diagnostic value of combined ultrasound and X-ray mammography. Novak D.
Eur J Radiol 1983 Aug;3 Suppl 1:299–302
The echogenicity of hypervascular areas in liver tumours. An in vivo study. Pamilo M. **Eur J Radiol** 1984 May; 4(2):150–5
Obstetric ultrasonography: recent observations in first trimester of pregnancy. Pedersen JF, et al.
Eur J Radiol 1984 May;4(2):167–8
Bouveret's syndrome: new cause of double-arch-shadow sign in cholecystosonography. Sáez Garmendia F, et al.
Eur J Radiol 1984 Aug;4(3):216–8
Extrabiliary obstructive jaundice. Schreyer T, et al.
Eur J Radiol 1983 Nov;3(4):352–3
Ultrasound assessment of gallbladder filling in presence or absence of pharmacologically stimulated biligenesis. Parisi L, et al. **Farmaco [Prat]** 1984 Jun;39(6):183–9
Ultrasound in pregnancy. **FDA Drug Bull** 1984 Apr;14(1):6
The 'luteal breast': hormonal and sonographic investigation of benign breast disease in patients with cyclic mastalgia. Ayers JW, et al. **Fertil Steril** 1983 Dec;40(6):779–84
Diagnosis of luteinized unruptured follicle (LUF) syndrome by ultrasound. Liukkonen S, et al. **Fertil Steril** 1984 Jan; 41(1):26–30
Ultrasound measurement of ovarian follicles stimulated by human gonadotropins for oocyte recovery and in vitro fertilization. Mantzavinos T, et al. **Fertil Steril** 1983 Oct; 40(4):461–5
The use of ultrasonography in patients with unexplained infertility. Paulson JD, et al. **Fertil Steril** 1984 Sep; 42(3):489–91
The diagnosis of jaundice [letter] **Gastroenterology** 1984 Feb; 86(2):380–3
Ultrasonography and computed tomography in focal fatty liver. Report of two cases with special emphasis on changing appearances over time. Clain JE, et al.
Gastroenterology 1984 Oct;87(4):948–52
Comparison of the extrahepatic bile duct size measured by ultrasound and by different radiographic methods. Niederau C, et al. **Gastroenterology** 1984 Sep;87(3):615–21
Diagnosis and clinical features of small hepatocellular carcinoma with emphasis on the utility of real-time ultrasonography. A study in 51 patients. Shinagawa T, et al. **Gastroenterology** 1984 Mar;86(3):495–502
Partial splenoportal and superior mesenteric venous thrombosis. Early sonographic diagnosis and successful conservative management. Verbanck JJ, et al.
Gastroenterology 1984 May;86(5 Pt 1):949–52
New ultrasonic laparoscope for diagnosis of intraabdominal diseases. Ohta Y, et al. **Gastrointest Endosc** 1983 Nov; 29(4):289–94
Spigelian hernia: CT and ultrasonography diagnosis. Balthazar EJ, et al. **Gastrointest Radiol** 1984;9(1):81–4

Ultrasonography of the gallbladder in pregnancy. Bartoli E, et al. **Gastrointest Radiol** 1984;9(1):35–8
Sonographic findings of intraabdominal foreign bodies due to retained gauze. Chau WK, et al. **Gastrointest Radiol** 1984;9(1):61–3
Endoluminal ultrasonic scanning in the evaluation of rectal cancer: a preliminary report of 13 cases. Dragsted J, et al. **Gastrointest Radiol** 1983;8(4):367–9
Ultrasonic diagnosis of primary intraductal cholelith and neoplasm. Hadidi A. **Gastrointest Radiol** 1983;8(4):333–6
Ultrasonography in Crohn's disease. Kaftori JK, et al. **Gastrointest Radiol** 1984;9(2):137–42
Bilomas: a new approach to the diagnosis and treatment. Kuligowska E, et al. **Gastrointest Radiol** 1983;8(3):237–43
Detection of intraperitoneal bile accumulations: significance of ultrasonography, CT, and cholescintigraphy. Lorenz R, et al. **Gastrointest Radiol** 1984;9(3):213–7
Preoperative diagnosis and evaluation of hepatic tumor resectability. Lunderquist A, et al. **Gastrointest Radiol** 1983; 8(3):227–30
Radiological diagnosis in proven intraabdominal abscess formation: a comparison between plain films of the abdomen, ultrasonography and computerized tomography. Lundstedt C, et al. **Gastrointest Radiol** 1983;8(3):261–6
Fine-needle biopsy of the pancreas using real-time ultrasonography. Martinez A, et al. **Gastrointest Radiol** 1984;9(3):231–4
Ultrasound guided fine-needle biopsies in pancreatic and hepatic neoplasms. Schwerk WB, et al. **Gastrointest Radiol** 1983;8(3):219–25
Ruptured hydatid cyst with biliary obstruction: diagnosis by sonography and computed tomography. Subramanyam BR, et al. **Gastrointest Radiol** 1983;8(4):341–3
Echography in retinoblastoma. Koch A, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(1):27–30
The management of a pelvic lymphocele by the use of a percutaneous indwelling catheter inserted with ultrasound guidance. Aronowitz J, et al. **Gynecol Oncol** 1983 Oct; 16(2):292–5
Ultrasound used for assessing the in situ position of intrauterine tandems. Granai CO, et al. **Gynecol Oncol** 1984 Jul;18(3):334–8
The use of ultrasound and computed tomography scanning in the management of gynecologic cancer patients. Kerr-Wilson RH, et al. **Gynecol Oncol** 1984 May; 18(1):54–61
Ultrasonic Doppler flow in migraine and cluster headache. Schroth G, et al. **Headache** 1983 Nov;23(6):284–8
Laser Doppler measurements of cochlear blood flow. Miller JM, et al. **Hear Res** 1983 Sep;11(3):385–94
Use of the ultrasound stethoscope blood flow detector for cannulation of a weakly palpable radial artery. Rich JM. **Heart Lung** 1984 Jan;13(1):47–8
Real-time ultrasonography in the neonate: a systematic study of a high-risk infants population. Fawer CL, et al. **Helv Paediatr Acta** 1984 Mar;39(1):35–45
Radiological and ultrasonographic investigations with respect to patient selection and monitoring for chemical gallstone dissolution. Leuschner M, et al. **Hepatogastroenterology** 1984 Jun;31(3):140–3
Cranial echodensity marks infants at risk [news] **Hosp Pract** 1983 Dec;18(12):145, 151–2
Individual differences of ultrasound assessment of subcutaneous fat: effects of body position. Katch FI. **Hum Biol** 1983 Dec;55(4):789–95
Analysis of a PLL system as analog processor in CW Doppler flowmeters. Bramanti M, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):584–9
A tracking system for pulsed ultrasound images: application to quantification of fetal breathing movements. Cousin AJ, et al. **IEEE Trans Biomed Eng** 1983 Sep;30(9):577–84
A computer simulation study of diffraction tomography. Devaney AJ. **IEEE Trans Biomed Eng** 1983 Jul; 30(7):377–86
An ultrasonic technique for imaging the ventricle in three dimensions and calculating its volume. Moritz WE, et al. **IEEE Trans Biomed Eng** 1983 Aug;30(8):482–92
Measurement of ultrasonic attenuation within regions selected from B-scan images. Parker KJ, et al. **IEEE Trans Biomed Eng** 1983 Aug;30(8):431–7
Use of ultrasound in evaluating the large fetal head. Intracranial teratoma. Gadwood KA, et al. **IMJ** 1983 Sep; 164(3):196–8
Pars plana lensectomy using ultrasonic fragmentation. Abraham MN, et al. **Indian J Ophthalmol** 1983 Sep; 31(5):558–62
Role of ultrasonography in ocular trauma. Bhatia IM, et al. **Indian J Ophthalmol** 1983 Sep;31(5):495–8
Orbital ultrasonography—a diagnostic tool. Dayal Y, et al. **Indian J Ophthalmol** 1983 Jul;31(4):317–9
A-scan ultrasonography in orbital lesions (a clinical study). Gupta BK, et al. **Indian J Ophthalmol** 1983 Jul;31(4):353–7
Duplex carotid ultrasound. Preliminary experience with a new method of screening for extracranial carotid artery disease. Jackson VP, et al. **Indiana Med** 1984 Jan;77(1):22–4
Ultrasonic diagnosis of pulmonary embolism—the second time around. Joyner CR. **Int J Cardiol** 1984 Jul;6(1):116–20
Precise day of ovulation determined by real-time ultrasound evidence of graafian follicular development. Hata T, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):435–8
Determination of biparietal diameter in the second trimester as a predictor of intrauterine growth retardation. Lee JN, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):213–5
Maternal perception, tocodynamometric findings and real-time ultrasound assessment of total fetal activity. Schmidt W, et al. **Int J Gynaecol Obstet** 1984 Apr; 22(2):85–90
Micrognathia–prenatal ultrasonographic diagnosis. Shalev E, et al. **Int J Gynaecol Obstet** 1983 Aug;21(4):343–5
Spatial and temporal variations in human skin blood flow. Tenland T, et al. **Int J Microcirc Clin Exp** 1983;2(2):81–90
Ultrasonography of cystic renal dysplasia. Kangarloo H, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):205–9
Transabdominal ultrasonotomography of prostatic carcinoma. Kočí K, et al. **Int Urol Nephrol** 1984;16(1):39–47
Sonographic staging after nephrectomy for tumours. Schmoller H, et al. **Int Urol Nephrol** 1983;15(2):137–42
Ten years of diagnostic ultrasound in renal disease. Szabó V, et al. **Int Urol Nephrol** 1983;15(3):225–36 (40 ref.)
Corneal thickness profiles in rabbits using an ultrasonic pachometer. Chan T, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1408–10
Characterization of benign and malignant tissues of the thyroid gland. An ultrasonic approach using RF waveform analysis and pattern recognition. Benson DM, et al. **Invest Radiol** 1983 Sep–Oct;18(5):459–62
Noninvasive measurement of an index of renal blood flow. Powers TA, et al. **Invest Radiol** 1983 Jul–Aug;18(4):341–4
Can ultrasonic examination of the pancreas and gallbladder follow a barium UGI series on the same day? Rauch RF, et al. **Invest Radiol** 1983 Nov–Dec;18(6):523–5
Digital intravenous ventriculography. Comparison of volumes from mask-mode and nonsubtracted images with thermodilution and sonocardiometric measurements. Slutsky RA, et al. **Invest Radiol** 1983 Jul–Aug;18(4):327–34
Intraventricular haemorrhage in the preterm infant: diagnosis by real-time ultrasound. Gray PH, et al. **Ir Med J** 1984 Jul;77(7):192–6
Splenic abscess: ultrasound and CT appearances. O'Neill G, et al. **Ir Med J** 1983 Aug;76(8):355–6
Subclavian steal diagnosis: Doppler sonography vs. angiography. Saia A, et al. **Ital J Neurol Sci** 1983 Dec; 4(4):439–42
Intraoperative high-resolution hepatosonography in the detection of occult metastases in colorectal carcinoma. Angelini L, et al. **Ital J Surg Sci** 1983;13(3):203–8
Intraoperative high-resolution ultrasonography in the localization of occult endocrine pancreatic tumours. Angelini L, et al. **Ital J Surg Sci** 1983;13(3):209–15
Computerized angioscintigraphy and ultrasound imaging in the management of renal transplants. Carmellini M, et al. **Ital J Surg Sci** 1984;14(1):59–63
Ultrasonography versus laparoscopy in the diagnosis of hepatic tumors. Spinelli P, et al. **Ital J Surg Sci** 1984; 14(2):102–10
Ultrasonic scattering properties of three random media with implications for tissue characterization. Campbell JA, et al. **J Acoust Soc Am** 1984 Jun;75(6):1879–86
Normalization of ultrasonic scattering measurements to obtain average differential scattering cross sections for tissues. Campbell JA, et al. **J Acoust Soc Am** 1983 Aug; 74(2):393–9
The attenuation of ultrasound in biological fluids. Narayana PA, et al. **J Acoust Soc Am** 1984 Jul;76(1):1–4
Explososcan: a parallel processing technique for high speed ultrasound imaging with linear phased arrays. Shattuck DP, et al. **J Acoust Soc Am** 1984 Apr;75(4):1273–82
Subcorneal pustular dermatosis (Sneddon–Wilkinson disease) after a diagnostic echogram. Report of two cases. Ingber A, et al. **J Am Acad Dermatol** 1983 Sep;9(3):393–6
Patency of the ductus arteriosus in normal neonates: two-dimensional echocardiography versus Doppler assessment. Huhta JC, et al. **J Am Coll Cardiol** 1984 Sep; 4(3):561–4
Accuracy of combined two-dimensional echocardiography and continuous wave Doppler recordings in the estimation of pressure gradient in right ventricular outlet obstruction. Johnson GL, et al. **J Am Coll Cardiol** 1984 Apr;3(4):1013–8
Applicability of ultrasonic tissue characterization for longitudinal assessment and differentiation of calcification and fibrosis in cardiomyopathy. Pérez JE, et al. **J Am Coll Cardiol** 1984 Jul;4(1):88–95
Influence of intraocular lenses on ultrasound axial length measurement: in vitro and in vivo studies. Freudiger H, et al. **J Am Intraocul Implant Soc** 1984 Winter;10(1):29–34
Traumatic rupture of the testicle: report of two cases and review of the literature. Dencklau VE. **J Am Osteopath Assoc** 1984 Mar;83(7):509–11
Ultrasonically guided percutaneous aspiration and drainage of intra-abdominal abscesses. Dintenfass NJ. **J Am Osteopath Assoc** 1983 Sep;83(1):34–9, 41
Dilated urinary bladders simulating abdominal masses: diagnosis with ultrasound. Edell SL, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):21–3
Gray scale sonographic staging of tumors of the bladder. Edell SL, et al. **J Am Osteopath Assoc** 1983 Nov; 83(3):225–7
Ultrasonographic features of primary carcinoma of the gallbladder: a diagnostic dilemma. Field JS, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):42–7
The use of calcium Oragrafin granules in repeat cholecystography, with supplemental ultrasonographic evaluation. Fiske SA, et al. **J Am Osteopath Assoc** 1984 Mar;83(7):512–5
Ultrasonographic detection of fistulous tracts and foreign objects in muscles of horses. Cartee RE, et al. **J Am Vet Med Assoc** 1984 May 1;184(9):1127–32
Two-dimensional, gray-scale ultrasonography for assessment of hepatic and splenic neoplasia in the dog and cat. Feeney DA, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):68–81
Chyloabdomen and ultrasonographic detection of an intra-abdominal abscess in a foal. Hanselaer JR, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1465–7
Ultrasonography as an adjunct to pregnancy assessments in the mare. Pipers FS, et al. **J Am Vet Med Assoc** 1984 Feb 1;184(3):328–34
Ligation of ductus venosus in a dog, using ultrasonographic guidance. Wrigley RH, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1461–4
A study of the superficial palmar arteries using the Doppler Ultrasonic Flowmeter. Al-Turk M, et al. **J Anat** 1984 Jan; 138 (Pt 1):27–32
Laser-Doppler measurement of skin blood flow: comparison with plethysmography. Johnson JM, et al. **J Appl Physiol** 1984 Mar;56(3):798–803
Echographic pattern of medullary breast carcinoma. Beeckman P, et al. **J Belge Radiol** 1983;66(1):39–42
A review of the ultrasonographic criteria of cirrhosis and their accuracy. Creteur V, et al. **J Belge Radiol** 1983; 66(6):437–46
Diagnostic ultrasound in the evaluation of a testicular mass. Kaiser MC, et al. **J Belge Radiol** 1983;66(5):383–4
The use of computed tomography in medical imaging. Alex MJ. **J Biol Photogr** 1984 Apr;52(2):27–32
Diagnostic ultrasound in the fetus, infant, and child. Brown BS. **J Can Assoc Radiol** 1984 Mar;35(1):2–5
Ultrasonographic features of the fetal Turner syndrome. Brown BS, et al. **J Can Assoc Radiol** 1984 Mar;35(1):40–6
The prenatal ultrasonographic diagnosis of osteogenesis imperfecta lethalis. Brown BS. **J Can Assoc Radiol** 1984 Mar;35(1):63–6
Retrohepatic gallbladder diagnosed by sonography and scintigraphy. Greaves FW, et al. **J Can Assoc Radiol** 1983 Dec;34(4):319–20
Pitfalls in ultrasonographic diagnosis with fatty infiltration of the liver. Hutton L, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):303–5
'Micro-gallbladder'—a clue to cystic fibrosis. Kramer NR, et al. **J Can Assoc Radiol** 1983 Dec;34(4):271–2
Sonography of milk of calcium in a calyceal diverticulum: a case report. Leekam RN, et al. **J Can Assoc Radiol** 1984 Mar;35(1):67–9
Neonatal ileocolic intussusception with enterogenous cyst: ultrasonic diagnosis. Pandher D, et al. **J Can Assoc Radiol** 1983 Dec;34(4):328–30
The Doppler flowmeter as an aid in the diagnosis of the hyperstomy syndrome. Martins AC, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):535–6
Dependency of blood flow velocity in the middle cerebral artery on end-tidal carbon dioxide partial pressure—a transcranial ultrasound Doppler study. Markwalder TM, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):368–72
Sonographic detection of prenatal liver mass. Horgan JG, et al. **J Clin Gastroenterol** 1984 Jun;6(3):277–80
Membranous obstruction of the inferior vena cava: an ultrasound, computed tomography, and inferior vena cavogram image correlation. Gerlock AJ Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):567–9
Combined use of ultrasound and computed tomography in evaluation of intraabdominal pregnancy and fetal demise. Lee LL, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):770–1
Thymic cyst: computed tomography and ultrasound correlation. Dunne MG, et al. **J Comput Tomogr** 1983 Nov; 7(4):351–5
Echographic evaluation of nodular lesions of the skin. Miyauchi S, et al. **J Dermatol (Tokyo)** 1983 Jun;10(3):221–7
Use of ultrasound in diagnosis and management of periventricular-intraventricular hemorrhage in the preterm infant. Lipman B, et al. **J Fla Med Assoc** 1983 Sep; 70(9):826–30 (26 ref.)
Obstetrical ultrasound: an overview and update. Quetel TA, et al. **J Fla Med Assoc** 1983 Sep;70(9):732–8 (32 ref.)
Antenatal sonographic detection of posterior urethral valves. Rodan BA, et al. **J Fla Med Assoc** 1984 Feb;71(2):94–5
Ultrasonic diagnosis of ovarian teratomas. Waldman I, et al. **J Fla Med Assoc** 1983 Dec;70(12):1092–4
Echography in the post-natal diagnosis of congenital urinary tract disorders. Metrevelli C. **J Genet Hum** 1984 Mar; 32(1):43–7
Duchenne's muscular dystrophy: carrier detection by muscle ultrasound. Rott HD, et al. **J Genet Hum** 1983 Mar; 31(1):63–5
Tongue motion in elderly adults: initial in situ observations. Sonies BC, et al. **J Gerontol** 1984 May;39(3):279–83
Safety of diagnostic ultrasound [editorial] Feigenbaum H. **J Indiana State Med Assoc** 1983 Jul;76(7):472–3
Imaging: an approach to the diagnosis of cholecystitis. Zeiger LS. **J Med Soc NJ** 1984 May;81(5):411–3
Radiologic seminar CCXXXVII: diagnostic ultrasound usage in pregnancy—a recent assessment. Rhoden SA. **J Miss State Med Assoc** 1984 Apr;25(4):89–92
The superiority of combined continuous wave Doppler examination over periorbital Doppler for the detection of extracranial carotid disease. Trockel U, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):43–50
Evaluation of cerebrovascular spasm with transcranial

Doppler ultrasound. Aaslid R, et al. J Neurosurg 1984 Jan; 60(1):37–41
Ventricular taps in the neonate under ultrasonic guidance. Technical note. Afschrift M, et al. J Neurosurg 1983 Dec; 59(6):1100–1
The false fontanel. Harbaugh RE, et al. J Neurosurg 1984 Jul;61(1):71–5
Intraoperative ultrasonic evaluation of spinal cord motion. Jokich PM, et al. J Neurosurg 1984 Apr;60(4):707–11
Cottonoid as an acoustical marker for intraoperative ultrasound scanning. Technical note. Voorhies RM, et al. J Neurosurg 1984 Feb;60(2):438–9
Intra-operative ultrasound. Johnson I. J Neurosurg Nurs 1984 Aug;16(4):208–10
The relationship between spinal canal diameter and back pain in coal miners. Ultrasonic measurement as a screening test? Macdonald EB, et al. J Occup Med 1984 Jan;26(1):23–8
Evaluation of gray-scale ultrasonography in the investigation of oral and neck mass lesions. Ishikawa H, et al. J Oral Maxillofac Surg 1983 Dec;41(12):775–81
Diagnostic ultrasound imaging of parotid disease--a contemporary clinical perspective. Rothberg R, et al. J Otolaryngol 1984 Aug;13(4):232–40
Use of ultrasound in childhood thyroid disorders. Bachrach LK, et al. J Pediatr 1983 Oct;103(4):547–52
Transcutaneous Doppler ultrasound: pulsatility index, mean flow velocity, end diastolic flow velocity, and cerebral blood flow [editorial] Bada HS, et al. J Pediatr 1984 Mar; 104(3):395–7
Management of ventriculomegaly in the fetus. Glick PL, et al. J Pediatr 1984 Jul;105(1):97–105
Cerebral blood flow in the newborn infant: comparison of Doppler ultrasound and 133xenon clearance. Greisen G, et al. J Pediatr 1984 Mar;104(3):411–8
Direction of flow with PDA [letter] Jorch G, et al. J Pediatr 1983 Nov;103(5):833
Echogenic intravascular and hepatic microbubbles associated with necrotizing enterocolitis. Malin SW, et al. J Pediatr 1983 Oct;103(4):637–40
Periventricular infarction diagnosed by ultrasound: a postmortem correlation. Nwaesei CG, et al. J Pediatr 1984 Jul;105(1):106–10
Sonographic diagnosis of hypertrophic pyloric stenosis [letter] Schumacher R, et al. J Pediatr 1983 Oct; 103(4):660–1
Acute gallbladder dilatation in a neonate: emphasis on ultrasonography. Bowen A. J Pediatr Gastroenterol Nutr 1984 Mar;3(2):304–8
Testicular detorsion using Doppler ultrasound monitoring. Betts JM, et al. J Pediatr Surg 1983 Oct;18(5):607–10
Prenatal diagnosis improves the prognosis of children with obstructive uropathies. Schwoebel MG, et al. J Pediatr Surg 1984 Apr;19(2):187–90
Antenatal ultrasound diagnosis in cystic adenomatoid malformation of the lung—case report. Stauffer UG, et al. J Pediatr Surg 1984 Apr;19(2):141–2
Prenatal diagnosis and treatment of intrauterine growth retardation. Kaneoka T, et al. J Perinat Med 1983; 11(4):204–12
The radiological assessment of the obstructed biliary tree. Muir BB, et al. J R Coll Surg Edinb 1983 Jul;28(4):233–9
Liver metastases: the role of preoperative ultrasound. Pain JA, et al. J R Coll Surg Edinb 1984 Mar;29(2):85–7
Role of ultrasound in the management of ovarian carcinoma. Khan O, et al. J R Soc Med 1983 Oct;76(10):821–7
Use of the ultrasound aspiration transducer in midtrimester amniocentesis. Farahani G, et al. J Reprod Med 1984 Apr; 29(4):227–31
Use of ultrasound to predict fetal lung maturity in 247 consecutive elective cesarean deliveries. Golde SH, et al. J Reprod Med 1984 Jan;29(1):9–11
Sonographic evaluation of prenatal therapy for fetal supraventricular tachycardia and congestive heart failure. A case report. Hill LM, et al. J Reprod Med 1983 Oct; 28(10):671–6
Ultrasonography in the antepartum diagnosis of conjoined twins. A report of two cases. Koontz WL, et al. J Reprod Med 1983 Sep;28(9):627–30
Ultrasonic findings in fetal cyclopia. A case report. Lev-Gur M, et al. J Reprod Med 1983 Aug;28(8):554–7
Laparoscopic, gynecographic and ultrasonographic vs. clinical evaluation of a pelvic mass. el-Minawi MF, et al. J Reprod Med 1984 Mar;29(3):197–9
A sonographic artifact, fetal hair, mimicking a craniocervical meningocele in pregnancy complicated by hydramnios. A report of two cases. Quinlan RW. J Reprod Med 1984 May; 29(5):354–6
Ultrasound and the pelvic mass. Voss SC, et al. J Reprod Med 1983 Dec;28(12):833–7
National Institutes of Health Consensus Development Conference. Consensus statement. J Ultrasound Med 1984 May;3(5):R54–8
Proceedings of the 28th annual meeting of the American Institute of Ultrasound in Medicine and the 12th annual meeting of the Society of Diagnostic Medical Sonographers. October 18–21, 1983 New York, New York. Abstracts. J Ultrasound Med 1983 Oct;2(10 Suppl):1–269
Predictiveness of placental grading [letter] J Ultrasound Med 1984 Jan;3(1):24, 28
A high transverse vaginal septum: sonographic findings. Ammann AM, et al. J Ultrasound Med 1983 Oct; 2(10):471–2
Unilateral renal agenesis presenting as a pseudomass in utero. Austin CW, et al. J Ultrasound Med 1984 Apr;3(4):177–9
A comparison of echo-Doppler and electromagnetic renal blood flow measurements. Avasthi PS, et al. J Ultrasound Med 1984 May;3(5):213–8
Sonographic demonstration of lissencephaly (agyria). Babcock DS. J Ultrasound Med 1983 Oct;2(10):465–6
Ultrasonography in the detection of intra-abdominal retained surgical sponges. Barriga P, et al. J Ultrasound Med 1984 Apr;3(4):173–6
The effects of temperature on blood flow ultrasonic echogenicity in vitro. Beitler JC, et al. J Ultrasound Med 1983 Dec;2(12):529–33
Transcutaneous detection of subcritical arterial stenoses by Doppler signal spectrum analysis. Bendick PJ, et al. J Ultrasound Med 1983 Oct;2(10):445–9
Ultrasonic tissue characterization of fetal lung, liver, and placenta for the purpose of assessing fetal maturity. Benson DM, et al. J Ultrasound Med 1983 Nov;2(11):489–94
The changing sonographic appearance of fetal kidneys during pregnancy. Bowie JD, et al. J Ultrasound Med 1983 Nov; 2(11):505–7
Respiratory movement of the pancreas: an ultrasonic study. Bryan PJ, et al. J Ultrasound Med 1984 Jul;3(7):317–20
The ghost artifact. Buttery B, et al. J Ultrasound Med 1984 Feb;3(2):49–52
Sonography of bilateral testicular epidermoid cysts. Caravelli JF, et al. J Ultrasound Med 1984 Jun;3(6):273–4
Intrauterine/newborn testicular torsion. Casola G, et al. J Ultrasound Med 1983 Dec;2(12):563–4
Antenatal sonographic diagnosis of epignathus. Chervenak FA, et al. J Ultrasound Med 1984 May;3(5):235–7
Likelihood ratio as an index of the diagnostic usefulness of ultrasonic information in gastrointestinal disease. Ciatti S, et al. J Ultrasound Med 1984 May;3(5):209–11
Ultrasonic findings in 'primary' lymphoma of the adrenal area. Cunningham JJ. J Ultrasound Med 1983 Oct; 2(10):467–9
High-resolution sonographic detection of a gas-forming testicular abscess in a renal transplant patient. Danielson KS, et al. J Ultrasound Med 1984 Jan;3(1):45–7
The sonographic appearances of gastric lymphoma. Derchi LE, et al. J Ultrasound Med 1984 Jun;3(6):251–6
Aneurysms of the splenic artery: noninvasive diagnosis by pulsed Doppler sonography. Derchi LE, et al. J Ultrasound Med 1984 Jan;3(1):41–4
Sonography and penile trauma. Dierks PR, et al. J Ultrasound Med 1983 Sep;2(9):417–9
Sonographic appearance of neonatal thalamic-striatal hemorrhage. Donn SM, et al. J Ultrasound Med 1984 May; 3(5):231–3
Assessment of follicular development by ultrasonography and total serum estrogen in human menopausal gonadotropin-stimulated cycles. Dornbluth NC, et al. J Ultrasound Med 1983 Sep;2(9):407–12
Prenatal sonographic detection of congenital mesoblastic nephroma in a monozygotic twin pregnancy. Ehman RL, et al. J Ultrasound Med 1983 Dec;2(12):555–7
A new real-time sonographic technique for removal of ureteral stents. Elyaderani M, et al. J Ultrasound Med 1984 Feb;3(2):83–4
Case of the month: Pyometra. Eyster JM. J Ultrasound Med 1984 May;3(5):R53, R58
Sonographic depiction of changes in ventricular size associated with repeated ventricular aspirations. Fleischer AC, et al. J Ultrasound Med 1983 Nov;2(11):499–504
Ultrasonography in the evaluation of muscular trauma. Fornage BD, et al. J Ultrasound Med 1983 Dec; 2(12):549–54
Ultrasonic demonstration of a Müllerian duct cyst. Francis RA, et al. J Ultrasound Med 1983 Nov;2(11):525–6
Sonography of vesical and perivesical abnormalities in children. Friedman AP, et al. J Ultrasound Med 1983 Sep; 2(9):385–90
Prenatal diagnosis of fetal hydrocephalus associated with a normal biparietal diameter. Gillieson MS, et al. J Ultrasound Med 1984 May;3(5):227–9
A gastric bezoar causing a target lesion as revealed by ultrasound. Goff WB 2d, et al. J Ultrasound Med 1984 Jun;3(6):275–6
Sonographic detection of ascites in liver disease. Gooding GA, et al. J Ultrasound Med 1984 Apr;3(4):169–72
Sonographic features of uterine leiomyomas: analysis of 41 proven cases. Gross BH, et al. J Ultrasound Med 1983 Sep; 2(9):401–6
Relation of fetal femur length to neonatal crown-heel length. Hadlock FP, et al. J Ultrasound Med 1984 Jan;3(1):1–3
Sonographic diagnosis of vaginal ectopic ureter. Hantman SS. J Ultrasound Med 1983 Nov;2(11):523–4
Examination of the infant hip with real-time ultrasonography. Harcke HT, et al. J Ultrasound Med 1984 Mar;3(3):131–7
Sonographic diagnosis of cephalothoracopagus in a triplet pregnancy. Hartung RW, et al. J Ultrasound Med 1984 Mar;3(3):139–41
Imaging of fetal ectopia cordis: roles of sonography and computed tomography. Haynor DR, et al. J Ultrasound Med 1984 Jan;3(1):25–7
Sonographic demonstration of an anatomic variant of the inferior vena cava. Hoffman JC, et al. J Ultrasound Med 1983 Sep;2(9):421–3
A reevaluation of placental grading and its clinical significance. Hopper KD, et al. J Ultrasound Med 1984 Jun;3(6):261–6
The sonographic appearance of the Heyer-Schulte testicular prosthesis. Hopper KD, et al. J Ultrasound Med 1984 Jun; 3(6):287
Sonography of combined esophageal and duodenal atresia. Jackson GH, et al. J Ultrasound Med 1983 Oct;2(10):473–4
Sonography of the Mirizzi syndrome. Jackson VP, et al. J Ultrasound Med 1984 Jun;3(6):281–3
Vascular anatomy of the fetus. Jeanty P, et al. J Ultrasound Med 1984 Mar;3(3):113–22
The binocular distance: a new way to estimate fetal age. Jeanty P, et al. J Ultrasound Med 1984 Jun;3(6):241–3
A longitudinal study of fetal weight growth. Jeanty P, et al. J Ultrasound Med 1984 Jul;3(7):321–8
The sylvian fissure: a commonly mislabeled cranial landmark. Jeanty P, et al. J Ultrasound Med 1984 Jan;3(1):15–8
Midtrimester prenatal diagnosis of achondrogenesis. Johnson VP, et al. J Ultrasound Med 1984 May;3(5):223–6
Case of the month. Portal vein thrombosis. Kossol JM. J Ultrasound Med 1983 Nov;2(11):R124, R129–30
Total uterine volume: a new graph and its clinical applications. Kurtz AB, et al. J Ultrasound Med 1984 Jul; 3(7):299–308
The inaccuracy of total uterine volume measurements: sources of error and a proposed solution. Kurtz AB, et al. J Ultrasound Med 1984 Jul;3(7):289–97
The sonographic appearance of segmental polycystic kidney. Kutcher R, et al. J Ultrasound Med 1983 Sep;2(9):425–7
Ultrasonography in the management of liver trauma in children. Lam AH, et al. J Ultrasound Med 1984 May; 3(5):199–203
Sonomammographic manifestations of mammographically detectable breast microcalcifications. Lambie RW, et al. J Ultrasound Med 1983 Nov;2(11):509–14
Relationship of fetal hydronephrosis to spinal dysraphism. Lirette M, et al. J Ultrasound Med 1983 Nov;2(11):495–7
Demonstration of the dilated prostatic urethra in posterior urethral valve patients. McAlister WH. J Ultrasound Med 1984 Apr;3(4):189–90
Sonographic and computed tomographic appearances of acquired renal cystic disease. McArdle CR, et al. J Ultrasound Med 1983 Nov;2(11):519–20
Ultrasonography in crossed renal ectopia. McCarthy S, et al. J Ultrasound Med 1984 Mar;3(3):107–12
Experimental assessment of imaging variables associated with operative ultrasonic and radiographic cholangiography. Machi J, et al. J Ultrasound Med 1983 Dec;2(12):535–8
Sonographic evaluation of the distal femoral epiphyseal ossification center. McLeary RD, et al. J Ultrasound Med 1983 Oct;2(10):437–8
Antenatal sonographic diagnosis of achondrogenesis. Mahony BS, et al. J Ultrasound Med 1984 Jul;3(7):333–5
Progression of infantile polycystic kidney disease in early pregnancy. Mahony BS, et al. J Ultrasound Med 1984 Jun; 3(6):277–9
Maternal drug use and fetal anomalies [letter] Michalak D, et al. J Ultrasound Med 1984 May;3(5):230, 234
Methods for dating pregnancy [letter] Miller MM, et al. J Ultrasound Med 1984 Mar;3(3):138, 42
Case of the month. Thyroid nodule. Müeller HW, et al. J Ultrasound Med 1984 Jul;3(7):R77, R84
Case of the month: Bicornuate uterus with presumed fibroids bilaterally. Munitz HA. J Ultrasound Med 1983 Dec; 2(12):R134, R138
Early intrauterine pregnancy or decidual cast: an anatomic--sonographic approach. Nelson P, et al. J Ultrasound Med 1983 Dec;2(12):543–7
Sonographic demonstration of the aberrant left hepatic artery. Nichols DM, et al. J Ultrasound Med 1984 May; 3(5):219–21
Cystic parametrial fibroids mimicking ovarian cystadenoma. Nocera RM, et al. J Ultrasound Med 1984 Apr;3(4):183–7
Entangled umbilical cords: a sign of monoamniotic twins. Nyberg DA, et al. J Ultrasound Med 1984 Jan;3(1):29–32
Aqueous solutions as contrast agents [letter] Ophir J. J Ultrasound Med 1983 Nov;2(11):528
Sonography of pelvoabdominal cystic masses in children and adolescents. Ouimette MV, et al. J Ultrasound Med 1984 Apr;3(4):149–53
The sonographic appearance of omentoplasty in the surgical treatment of large cystic lesions of the liver. Papanicolaou N, et al. J Ultrasound Med 1984 Apr;3(4):181–2
Sonographic findings in myoglobinuric renal failure and their clinical implications. Pardes JG, et al. J Ultrasound Med 1983 Sep;2(9):391–4
Ultrasonography of intrauterine Meckel's syndrome. Pardes JG, et al. J Ultrasound Med 1984 Jan;3(1):33–5
Ultrasonic detection of calcification in gallstones: 'the reverberation shadow'. Parulekar SG. J Ultrasound Med 1984 Mar;3(3):123–9
Ultrasonography of choledocholithiasis. Parulekar SG, et al. J Ultrasound Med 1983 Sep;2(9):395–400
Intraoperative ultrasound examination of the brain: possible pitfalls in diagnosis and biopsy guidance. Pasto ME, et al. J Ultrasound Med 1984 Jun;3(6):245–9
Determination of a splenic volumetric index by ultrasonic scanning. Pietri H, et al. J Ultrasound Med 1984 Jan; 3(1):19–23
Antenatal diagnosis of a fetal liver mass. Platt LD, et al. J Ultrasound Med 1983 Nov;2(11):521–2
Diagnosis of esophageal atresia in utero. Pretorius DH, et

al. J Ultrasound Med 1983 Oct;2(10):475–6
Ultrasonographic antenatal diagnosis of 'mermaid syndrome': fusion of fetal lower extremities. Raabe RD, et al. J Ultrasound Med 1983 Oct;2(10):463–4
Real-time diagnosis of an intraamniotic fluid blood clot. Radecki PD, et al. J Ultrasound Med 1984 Jun;3(6):285–6
Case of the month. Benign cystic teratoma of the right ovary. Ragosin R. J Ultrasound Med 1984 Jun;3(6):R66, R69
Ultrasonographic diagnosis of medullary cystic disease. Rego JD Jr, et al. J Ultrasound Med 1983 Oct;2(10):433–6
Type II choledochal cyst: diagnosis using real-time sonography. Richardson JD, et al. J Ultrasound Med 1984 Jan;3(1):37–9
Abnormal echogenicity of the testicle caused by epididymal cysts. Rifkin MD, et al. J Ultrasound Med 1983 Dec; 2(12):539–41
'Falling snowflakes,' an ultrasound sign of hydatid sand. Saint Martin G, et al. J Ultrasound Med 1984 Jun;3(6):257–60
Ultrasonic and computed tomographic features of mucocele of the appendix. Sandler MA, et al. J Ultrasound Med 1984 Mar;3(3):97–100
Fatty infiltration of the liver: ultrasonographic and computed tomographic correlation. Scatarige JC, et al. J Ultrasound Med 1984 Jan;3(1):9–14
Preoperative ultrasonic measurements of the thickness of cutaneous malignant melanoma. Shafir R, et al. J Ultrasound Med 1984 May;3(5):205–8
Chronic pancreatitis: the diagnostic significance of pancreatic size and echo amplitude. Shawker TH, et al. J Ultrasound Med 1984 Jun;3(6):267–72
Ultrasound evaluation of female isosexual precocious puberty. Shawker TH, et al. J Ultrasound Med 1984 Jul; 3(7):309–16
Ultrasonographic detection of 'burned-out' primary testicular germ cell tumors in clinically normal testes. Shawker TH, et al. J Ultrasound Med 1983 Oct;2(10):477–9
Cystic ovarics in cystic fibrosis: an ultrasound and autopsy study. Shawker TH, et al. J Ultrasound Med 1983 Oct; 2(10):439–44
The sonographic diagnosis of agenesis of the corpus callosum. Skidmore MB, et al. J Ultrasound Med 1983 Dec; 2(12):559–61
Image processing to reduce ultrasonic speckle. Sommer FG, et al. J Ultrasound Med 1983 Sep;2(9):413–5
Ultrasound diagnosis of purulent ventriculitis. Stannard MW, et al. J Ultrasound Med 1984 Mar;3(3):143–4
The butterfly sign [letter] Vincent LM. J Ultrasound Med 1983 Nov;2(11):527–8
Computed tomographic and sonographic findings in acute ethylene glycol poisoning. Walker JT, et al. J Ultrasound Med 1983 Sep;2(9):429–31
Klippel–Trenaunay–Weber syndrome: appearance in utero. Warhit JM, et al. J Ultrasound Med 1983 Nov;2(11):515–8
The ultrasonic appearance of intravascular gas in fetal death. Weinstein BJ, et al. J Ultrasound Med 1983 Oct;2(10):451–4
Case of the month. Benign multilocular cystic nephroma. Williams CD 3d. J Ultrasound Med 1983 Oct;2(10):R116, R118–9
Intracranial vascular pulsations in pediatric neurosonology. Williams JL. J Ultrasound Med 1983 Nov;2(11):485–8
Cholecystosonography in pregnancy. Williamson SL, et al. J Ultrasound Med 1984 Jul;3(7):329–31
Case of the month. Emphysematous cholecystitis. Wolfman NT. J Ultrasound Med 1984 Mar;3(3):R29, R32
Abdominal circumference vs abdominal area—which is better? Woo JS, et al. J Ultrasound Med 1984 Mar; 3(3):101–5
Ultrasonography for the diagnosis and staging of blunt scrotal trauma. Anderson KA, et al. J Urol 1983 Nov;130(5):933–5
Transabdominal dynamic ultrasonography in detection of bladder tumors. Brun B, et al. J Urol 1984 Jul;132(1):19–20
Transrectal ultrasonography in the followup of prostatic carcinoma patients: a new prognostic parameter? Carpentier PJ, et al. J Urol 1984 May;131(5):903–5
Fetal hydronephrosis: considerations regarding urological intervention. Diamond DA, et al. J Urol 1984 Jun; 131(6):1155–9
Prenatal diagnosis of unilateral hydronephrosis with early postnatal reconstruction. Mandell J, et al. J Urol 1984 Aug; 132(2):303–7
Imaging of the prostate by ultrasound. Peeling WB, et al. J Urol 1984 Aug;132(2):217–24 (45 ref.)
Abdominal mass in a newborn: multicystic dysplasia of crossed fused renal ectopia—ultrasonic demonstration. Rosenberg HK, et al. J Urol 1984 Jun;131(6):1160–1
Scrotal ultrasonography. Willscher MK, et al. J Urol 1983 Nov;130(5):931–2
From the NIH. Ultrasound procedure for diagnosis of pulmonary embolism. JAMA 1984 Mar 16;251(11):1417
Consensus Conference: The use of diagnostic ultrasound imaging during pregnancy. JAMA 1984 Aug 3; 252(5):669–72
Ultrasound shows carotid stenosis in just half of cervical bruit cases [news] Check WA. JAMA 1984 Aug 3;252(5):593–4
Ultrasound in evaluation of pelvic mass [letter] Montgomery D. JAMA 1983 Dec 16;250(23):3164
Abdominal aspiration biopsies. Sonographic v computed tomographic guidance. Pelaez JC, et al. JAMA 1983 Nov 18;250(19):2663–6
Real-time ultrasonography of the neonatal head. Rose WS, et al. JAMA 1983 Dec 16;250(23):3212–5
The role of ultrasonography in the diagnosis of the renal mass and impaired renal function. Rosenblatt R, et al. JAMA 1984 May 18;251(19):2561–3
Scrotal imaging techniques [letter] Wosick WF. JAMA 1984 Jan 27;251(4):469–70
Sonographic diagnosis of neonatal diaphragmatic inversion. Adler DD, et al. JCU 1984 Mar–Apr;12(3):166–7
Ultrasonic findings in Whipple's disease. Albano O, et al. JCU 1984 Jun;12(5):286–8
Correlation of the real-time ultrasonographic appearance of hepatic hemangiomas with angiography [letter] Andrew WK. JCU 1984 May;12(4):A4–6
Sonographic and CT appearance of Krukenberg tumors. Athey PA, et al. JCU 1984 May;12(4):205–10
Ultrasonic patterns of parotid masses. Ballerini G, et al. JCU 1984 Jun;12(5):273–7
Ultrasonographic diagnosis of interstitial ectopic pregnancy. Beckmann CR, et al. JCU 1984 Jun;12(5):304–6
Early ultrasound diagnosis of thanatophoric dwarfism. Beetham FG, et al. JCU 1984 Jan;12(1):43–4
On calculating the perimeter of an ellipse. Birnholz JC. JCU 1984 Jan;12(1):55–6
Shifting intramural gas—a new ultrasound sign of emphysematous cholecystitis. Bloom RA, et al. JCU 1984 Jan;12(1):[illegible]
Lipoma of the corpus callosum: sonographic appearance. Boechat MI, et al. JCU 1983 Oct;11(8):447–8
Urachal cyst in the adult: ultrasound diagnosis. Bouvier JF, et al. JCU 1984 Jan;12(1):48–50
Sonographic demonstration of multilocular peritoneal inclusion cyst. Cancelmo RP. JCU 1983 Aug;11(6):334–5
Ultrasonic diagnosis of primary sarcoma of the gallbladder. Coelho JC, et al. JCU 1984 Mar–Apr;12(3):168–70
Cervical ectopic pregnancy: sonographic demonstration at twenty-eight weeks gestation. Copas P, et al. JCU 1983 Aug;11(6):328–30
Screening for diffuse and focal liver disease: a surgeon's viewpoint. Copeland EM 3d. JCU 1984 Feb;12(2):91–2
Sonographic diagnosis of uterine perforation following suction curettage. Cunat JS, et al. JCU 1984 Feb; 12(2):108–9
Ultrasound diagnosis of mediastinal cystic hygroma. de Orbe Rueda A, et al. JCU 1984 Mar–Apr;12(3):180–2
Investigating the efficacy of current quality assurance performance tests in diagnostic ultrasound. Donofrio NM Jr, et al. JCU 1984 Jun;12(5):251–60
Two unusual ectopic pregnancies. Dunner PS, et al. JCU 1984 May;12(4):225–8
Diagnosis of twin to twin transfusion syndrome at 18 weeks of gestation. Elejalde BR, et al. JCU 1983 Oct;11(8):442–6
Ureteral ejaculation of urine visualized by ultrasound. Elejalde BR, et al. JCU 1983 Nov–Dec;11(9):475–6
Measurements of an index of echogenicity in some thyroid diseases. Espinasse P, et al. JCU 1984 Jan;12(1):33–6
Antenatal real-time diagnosis of esophageal atresias. Eyheremendy E, et al. JCU 1983 Sep;11(7):395–7
An unusual bowel pseudotumor. Flanagan M, et al. JCU 1984 Jun;12(5):296–8
Errors in femur length measurement [letter] Fleming JE, et al. JCU 1984 Mar–Apr;12(3):A9–10
Ultrasonographic findings of small hypernephroma associated with renal cyst. Foster WL Jr, et al. JCU 1983 Oct; 11(8):463–6
Sonographic appearance of chylous ascites. Franklin JT, et al. JCU 1984 May;12(4):239–40
Measurement of liver volume by ultrasound and computed tomography. Fritschy P, et al. JCU 1983 Aug; 11(6):299–303
Prenatal sonography of metastatic neuroblastoma. Gadwood KA, et al. JCU 1983 Nov–Dec;11(9):512–5
Occult thoraco-abdominal dissecting aneurysm in a patient with Marfan's syndrome—diagnosis by real-time ultrasound. Goodman A, et al. JCU 1984 Feb;12(2):115–9
Sonographic findings in malacoplakia of the testis with pathologic review. Goodman A, et al. JCU 1984 Jan; 12(1):45–7
Early second trimester sonographic diagnosis of achondrogenesis. Graham D, et al. JCU 1983 Aug; 11(6):336–8
Ultrasonic appearance of abdominal lymph nodes in a case of Whipple's disease. Graham PM, et al. JCU 1983 Sep; 11(7):388–90
Free intra-abdominal fluid in the fetus: ultrasonic assessment. Graif M, et al. JCU 1983 Oct;11(8):458–9
Intraluminal gallbladder hematoma: sonographic evidence of hemobilia. Grant EG, et al. JCU 1983 Nov–Dec; 11(9):507–9
The ultrasound appearance of an arterio-biliary fistula. Greenberg M, et al. JCU 1983 Aug;11(6):323–5
Real-time ultrasound of normal adrenal glands and small tumors. Günther RW, et al. JCU 1984 May;12(4):211–7
Computer assisted analysis of fetal age in the third trimester using multiple fetal growth parameters. Hadlock FP, et al. JCU 1983 Aug;11(6):313–6
Sonography of occult cord prolapse. Hales ED, et al. JCU 1984 Jun;12(5):283–5
Efficacy of CW-Doppler and duplex system examinations for the evaluation of extracranial carotid disease. Jennerici M, et al. JCU 1984 Mar–Apr;12(3):155–61
Ultrasound identification of neural elements in myelomeningocele. Jacobs NM, et al. JCU 1984 Jan; 12(1):51–3
Neonatal renal enlargement as a sonic window. Jacobs NM, et al. JCU 1983 Nov–Dec;11(9):521–3
Sonographic appearance of calculi in renal calyceal diverticula. Jacobs RP, et al. JCU 1984 Jun;12(5):289–91
Prenatal diagnosis of pleural effusions by ultrasound. Jouppila P, et al. JCU 1983 Nov–Dec;11(9):516–9
Sonographic appearance of accessory spleen. Katz JF, et al. JCU 1984 Mar–Apr;12(3):163–5
Echogenic amniotic fluid in the second trimester: a new sign of fetal distress. Khaleghian R. JCU 1983 Nov–Dec; 11(9):498–501
Sonographic diagnosis of right renal herniation through the canal of Bochdalek. Khan AN, et al. JCU 1984 May; 12(4):237–8
Ultrasonic diagnosis of scrotal contents using newly developed circular compound scanner. Kimura A, et al. JCU 1983 Sep;11(7):365–70
Ultrasound case report of hepatic teratoma in newborn. Kraudel K, et al. JCU 1984 Feb;12(2):98–101
Sonomammographic detection of lobular carcinoma not demonstrated on xeromammography. Lambie RW, et al. JCU 1983 Nov–Dec;11(9):495–7
Cholesterol crystals as the source of diffuse echoes in a benign renal cyst. Laperrière J, et al. JCU 1984 Mar–Apr; 12(3):183–5
Sonographic features of tuberculous endometritis. Lee J, et al. JCU 1983 Aug;11(6):331–3
The sonography of renal columnar hypertrophy. Leekam RN, et al. JCU 1983 Nov–Dec;11(9):491–4
Sister chromatid exchanges and diagnostic ultrasound. Liebeskind D. JCU 1984 Jan;12(1):3–4
A simple no-cost technique for real-time biopsy. Livraghi T. JCU 1984 Jan;12(1):60–2
The use of ultrasound in evaluating problems and complications of genetic amniocentesis. McArdle CR, et al. JCU 1983 Oct;11(8):427–9
Screening for diffuse and focal liver disease: the case for hepatic scintigraphy. McClees EC, et al. JCU 1984 Feb; 12(2):75–81
Septa of Bertin: a sonographic pseudotumor. Mahony BS, et al. JCU 1983 Aug;11(6):317–9
Ultrasound features of a symptomatic splenic hemangioma. Manor A, et al. JCU 1984 Feb;12(2):95–7
Sonographic patterns of the gallbladder in acute viral hepatitis. Maresca G, et al. JCU 1984 Mar–Apr;12(3):141–6
Ultrasonically guided percutaneous pancreatography. Matter D, et al. JCU 1983 Sep;11(7):401–4
In utero diagnosis of congenital hydrocele. Meizner I, et al. JCU 1983 Oct;11(8):449–50
Neurofibromatosis of the bladder: sonographic findings. Miller WB Jr, et al. JCU 1983 Oct;11(8):460–2
Ultrasound diagnosis of osteochondromatosis of the popliteal fossa. Moss GD, et al. JCU 1984 May;12(4):232–3
Ischemic brain infarct in a neonate: ultrasound diagnosis and follow-up. Nanni GS, et al. JCU 1984 May;12(4):229–31
Ultrasonic prenatal diagnosis of fetus in fetu. Nicolini U, et al. JCU 1983 Aug;11(6):321–2
Usefulness of renal ultrasonography for assessment of severity and course of acute tubular necrosis. Nomura G, et al. JCU 1984 Mar–Apr;12(3):135–9
Ultrasonographic identification of osteoid tissue in utero. Oi RH, et al. JCU 1983 Sep;11(7):385–7
Correlation of the real-time ultrasonographic appearance of hepatic hemangiomas with angiography. Onodera H, et al. JCU 1983 Oct;11(8):421–5
Sonographic aspect of hypertrophic diaphragmatic muscular bundles. Oyen RH, et al. JCU 1984 Feb;12(2):121–3
Polycystic ovarian disease: ultrasonic evaluation and correlations with clinical and hormonal data. Parisi L, et al. JCU 1984 Jan;12(1):21–6
Antenatal ultrasound detection of cystic adenomatoid malformation of lung: report of a case and review of the recent literature. Pezzuti RT, et al. JCU 1983 Aug; 11(6):342–6
Different degrees of atherosclerosis detected by backscattered ultrasound: an in vitro study on fixed human aortic walls. Picano E, et al. JCU 1983 Sep;11(7):375–9
Sonographic hepatization of the gallbladder: a cause of nonvisualization of the gallbladder by cholecystosonography. Reinig JW, et al. JCU 1984 May; 12(4):234–6
The effect of abdominal profile shape changes on the estimation of fetal weight. Rossavik IK, et al. JCU 1984 Jan;12(1):57–9
Gas-containing gallstones: their influence on ultrasound images. Rubaltelli L, et al. JCU 1984 Jun;12(5):279–82
Ultrasonic guidance of suprapubic aspiration in infants. Sagi EF, et al. JCU 1983 Aug;11(6):347–8
Combined use of A-scan ultrasound, plain roentgenograms, and computerized axial tomography in the evaluation of a pseudo-intraocular foreign body. Sassani JW, et al. JCU 1984 Mar–Apr;12(3):171–3
Sonographic identification of collecting system duplications. Schaffer RM, et al. JCU 1983 Aug;11(6):309–12
Prenatal diagnosis of cystic meconium peritonitis. Schwimer SR, et al. JCU 1984 Jan;12(1):37–9
Tongue movement during speech: a real-time ultrasound evaluation. Shawker TH, et al. JCU 1984 Mar–Apr; 12(3):125–33
Real-time ultrasound visualization of tongue movement during swallowing. Shawker TH, et al. JCU 1983 Nov–Dec;11(9):485–90
Ultrasonic characterization of blood during coagulation.

Shung KK, et al. **JCU** 1984 Mar–Apr;12(3):147–53
Antenatal real-time identification of meconium cyst. Silverbach S. **JCU** 1983 Oct;11(8):455–7
Evaluation of the dating of gestation via the growth adjusted sonographic age method. Simon NV, et al. **JCU** 1984 May; 12(4):195–9
Neonatal intracranial hemorrhage and complicating hydrocephalus. Slabaugh RD, et al. **JCU** 1984 Jun; 12(5):261–6
The ultrasound appearance of giant fibroadenoma. Steinbock RT, et al. **JCU** 1983 Oct;11(8):451–4
Medullary nephrocalcinosis in a newborn: real-time ultrasound evaluation. Sty JR, et al. **JCU** 1983 Aug; 11(6):326–7
Gallbladder perforation in a case of Kawasaki disease: image correlation. Sty JR, et al. **JCU** 1983 Sep;11(7):381–4
Sonographic patterns of renal cell carcinoma with emphasis on relation to tumor size. Sugimoto S, et al. **JCU** 1984 Jun;12(5):247–50
Bile duct obstruction secondary to lymphomatous involvement of the pancreas. Swartz TR, et al. **JCU** 1983 Sep;11(7):391–4
Ultrasonic demonstration of arteriovenous fistulas. Tafreshi M, et al. **JCU** 1984 Jun;12(5):299–300
Ultrasonic diagnosis of funic presentation. Vintzileos AM, et al. **JCU** 1983 Nov–Dec;11(9):510–1
Ovarian vein thrombophlebitis: diagnosis by ultrasound and CT. Warhit JM, et al. **JCU** 1984 Jun;12(5):301–3
The reliable sonographic diagnosis of hypertrophic pyloric stenosis. Wilson DA, et al. **JCU** 1984 May;12(4):201–4
Omphalocele: early prenatal diagnosis by ultrasound [letter] Wilson RD, et al. **JCU** 1984 Jun;12(5):A–2, A–4
Ultrasonic detection of heterotopic pregnancy—a case report. Yagel S, et al. **JCU** 1983 Nov–Dec;11(9):502–3
Leukemic pelvic lymphadenopathy simulating cystic ovarian lesion on sonogram. Yeh HC, et al. **JCU** 1984 Mar–Apr; 12(3):177–9
Omphalocele: early prenatal diagnosis by ultrasound. Youngblood JP, et al. **JCU** 1983 Aug;11(6):339–41
Antenatal diagnosis of a fetus with an extremely narrow thorax and short limb dwarfism. Zimmer EZ, et al. **JCU** 1984 Feb;12(2):112–4
The role of ultrasound in the diagnosis and management of the obstetrical patient. Graham D, et al. **JOGN Nurs** 1983 Sep–Oct;12(5):307–12
Echographic detection and successful excision of pulmonary cyst in a fetus. Onitsuka T, et al. **Jpn J Surg** 1983 May; 13(3):254–7
Noninvasive diagnosis of renal artery stenosis by echo-Doppler velocimetry. Avasthi PS, et al. **Kidney Int** 1984 May;25(5):824–9
Diagnostic procedures in the evaluation of hepatic diseases. Ultrasonography. Nuñez D Jr. **Lab Res Methods Biol Med** 1983;7:289–316 (19 ref.)
Cholecystography or ultrasound? [letter] **Lancet** 1984 Mar 24;1(8378):684–5
Diagnostic ultrasound in pregnancy [editorial] **Lancet** 1984 Jul 28;2(8396):201–2
Diagnostic ultrasound in pregnancy [letter] **Lancet** 1984 Sep 8;2(8402):583–4
Randomised controlled trial of ultrasonographic screening in pregnancy. Bakketeig LS, et al. **Lancet** 1984 Jul 28; 2(8396):207–11
Ultrasound in detection of neural tube defects [letter] Brock DJ. **Lancet** 1983 Nov 26;2(8361):1251–2
Ultrasonic demonstration of small thyroid nodules [letter] Caselli M, et al. **Lancet** 1984 Mar 3;1(8375):508
Ultrasonic differentiation between mucocele and empyema of gallbladder [letter] Caselli M, et al. **Lancet** 1984 May 5;1(8384):1022
NTD screening by ultrasound [letter] Crawford JW. **Lancet** 1983 Oct 8;2(8354):853
Should cholecystography or ultrasound be the primary investigation for gallbladder disease? de Lacey G, et al. **Lancet** 1984 Jan 28;1(8370):205–7
High-resolution real-time ultrasonography and unsuspected micronodular thyroid disease [letter] Hay ID, et al. **Lancet** 1984 Apr 21;1(8382):916
Detecting the Duchenne carrier by ultrasound and computerized tomography [letter] Heckmatt JZ, et al. **Lancet** 1983 Dec 10;2(8363):1364
Real time sonography to diagnose soft-tissue sports injuries [letter] Laine H, et al. **Lancet** 1984 Jan 7;1(8367):55
Ultrasonic identification of needle tips in amniocentesis. McDicken WN, et al. **Lancet** 1984 Jul 28;2(8396):198–9
Diagnostic effectiveness of ultrasound in detection of neural tube defect. The South Wales experience of 2509 scans (1977–1982) in high-risk mothers. Roberts CJ, et al. **Lancet** 1983 Nov 5;2(8358):1068–9
Cholecystography or ultrasound? [letter] Sowerbutts JG. **Lancet** 1984 Mar 10;1(8376):566
Duchenne muscular dystrophy: carrier detection by ultrasound [letter] Steinbicker V, et al. **Lancet** 1984 Jun 30;1(8392):1463
Following up omphaloceles seen on obstetric ultrasound [letter] Wladimiroff JW, et al. **Lancet** 1983 Oct 8; 2(8354):853
Ultrasonic demonstration of small thyroid nodules [letter] Woestyn J, et al. **Lancet** 1983 Nov 26;2(8361):1252
Office diagnosis of sinus disorders: the role of ultrasound scanning. Mabry RL. **Laryngoscope** 1984 Aug;94(8):1042–4
The value of clinical, biochemical, ultrasound and liver biopsy data in assessing patients with liver disease. Theodossi A, et al. **Liver** 1983 Oct;3(5):315–26
The prenatal detection of congenital malformations by ultrasonography. Hill LM, et al. **Mayo Clin Proc** 1983 Dec; 58(12):805–26 (186 ref.)
High-resolution ultrasonographic and pathologic abnormalities of germ cell tumors in patients with clinically normal testes. Kirschling RJ, et al. **Mayo Clin Proc** 1983 Oct;58(10):648–53
High-resolution parathyroid ultrasonography in familial benign hypercalcemia (familial hypocalciuric hypercalcemia). Law WM Jr, et al. **Mayo Clin Proc** 1984 Mar;59(3):153–5
Cystadenoma of the proximal common hepatic duct: the use of abdominal ultrasonography and transhepatic cholangiography in diagnosis. Nagorney DM, et al. **Mayo Clin Proc** 1984 Feb;59(2):118–21
Noninvasive measurement of cardiac output by continuous-wave Doppler echocardiography: initial experience and review of the literature. Nishimura RA, et al. **Mayo Clin Proc** 1984 Jul;59(7):484–9
Rectus sheath hematoma with pain relief after ultrasound: case report. Hough DR, et al. **Milit Med** 1983 Nov; 148(11):885–6
Angiography of the lower extremities using segmental pressure measurements and Doppler waveform guidance. Mulligan BD, et al. **Milit Med** 1983 Dec;148(12):908–10
Hemodynamic-pharmacological effect on cerebral circulation evaluated by means of computerized CW Doppler signal spectrum analysis—first experiments on the action of Suloctidil. De Fabritiis A, et al. **Monogr Neural Sci** 1984;11:243–50
Diagnostic imaging of the breast. Gallager HS. **Monogr Pathol** 1984;(25):34–44 (25 ref.)
Determination of fetal sex. Birnholz JC. **N Engl J Med** 1983 Oct 20;309(16):942–4
Determination of fetal sex in early pregnancy [editorial] Hobbins JC. **N Engl J Med** 1983 Oct 20;309(16):979–80
Determination of fetal sex by ultrasound [letter] Stephens JD, et al. **N Engl J Med** 1983 Oct 20;309(16):984
Ultrasonograms and histological findings of the postmortem pancreas. Tanehiro K. **Nagoya J Med Sci** 1984 Mar; 46(1–4):95–107
The clinical diagnosis of deep venous thrombosis in ambulant patients [letter] **Neth J Med** 1983;26(7):209–12
The impact of Duplex scanning on the evaluation of patients with asymptomatic bruits in the region of the carotid arteries. Breslau PJ, et al. **Neth J Surg** 1983 Sep;35(4):134–8
Doppler ultrasound diagnosis of complications of polytetrafluoroethylene (PTFE) graft shunts. Tordoir JH, et al. **Neth J Surg** 1984 Apr;36(2):42–4
B-mode real-time ultrasonic carotid imaging: impact on decision-making and prediction of surgical findings. Farber R, et al. **Neurology (NY)** 1984 Apr;34(4):541–4
Intraventricular haemorrhage in a preterm neonate: discordance between clinical course and ultrasound scan. Fawer CL, et al. **Neuropediatrics** 1983 Nov;14(4):242–4
Sonographic demonstration of contusional white matter clefts in an infant. Hausdorf G, et al. **Neuropediatrics** 1984 May; 15(2):110–2
Real-time ultrasonography of the spinal cord: intraoperative and postoperative imaging. Pasto ME, et al. **Neuroradiology** 1984;26(3):183–7
Doppler-sonographic examination of the arterial flow in the carotid and supratrochlear arteries during carotid angiography. Stoeter P, et al. **Neuroradiology** 1984; 26(3):199–207
Intraoperative use of real time ultrasonography applied to aneurysm surgery. Hyodo A, et al. **Neurosurgery** 1983 Dec; 13(6):642–5
Comparison of high resolution real time ultrasonography and high resolution computed tomography in an infant with spinal dysraphism. James HE, et al. **Neurosurgery** 1983 Sep; 13(3):301–5
Evaluation of the histopathology of brain tumor tissue obtained by ultrasonic aspiration. Richmond IL, et al. **Neurosurgery** 1983 Oct;13(4):415–9
Ultrasonographic measurements of the normal gastric wall. Kuroiwa T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Nov 25; 43(11):1273–7
Ultrasonographic assessment of perirenal hematoma after percutaneous renal biopsy in adult patients. Miura H, et al. **Nippon Jinzo Gakkai Shi** 1984 Mar;26(3):337–42
Diagnostic ultrasound imaging in domestic animals: fundamental studies on abdominal organs and fetuses. Yamaga Y, et al. **Nippon Juigaku Zasshi** 1984 Apr; 46(2):203–12
Dynamics of tracheal fluid flow in the human fetus, studied with pulsed Doppler ultrasound. Utsu M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2017–8
Amniocentesis under continuous ultrasound guidance: a series of 232 cases. Benacerraf BR, et al. **Obstet Gynecol** 1983 Dec;62(6):760–3
Antepartum diagnosis of fetal intracranial hemorrhage by ultrasound. Bondurant S, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):25S–27S
Improvement of cervical factor by high-dose estrogen and human menopausal gonadotropin therapy with ultrasound monitoring. Check JH, et al. **Obstet Gynecol** 1984 Feb; 63(2):179–81
Diagnosis and management of fetal cephalocele. Chervenak FA, et al. **Obstet Gynecol** 1984 Jul;64(1):86–91
Use of the hand-held calculator in office ultrasound. Christenson D, et al. **Obstet Gynecol** 1984 Sep;64(3):427–30
Massive intracerebral hemorrhage in utero: sonographic appearance and pathologic correlation. Donn SM, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):28S–30S
Routine ultrasound for detection and management of the small-for-gestational-age fetus. Hughey MJ. **Obstet Gynecol** 1984 Jul;64(1):101–7
Fetal biparietal diameter an placental grade: predictors of intrauterine growth retardation. Kazzi GM, et al. **Obstet Gynecol** 1983 Dec;62(6):755–9
Vaginal drainage of posthysterectomy abscess under direct ultrasonic guidance. McArdle CR, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):90S–92S
Ultrasonic diagnosis of altered fetal growth by use of a normal ultrasonic fetal weight curve. Ott WJ, et al. **Obstet Gynecol** 1984 Feb;63(2):201–4
Correlation of ultrasonic epiphyseal centers and the lecithin: sphingomyelin ratio. Tabsh KM. **Obstet Gynecol** 1984 Jul; 64(1):92–6
Antenatal sonographic diagnosis of single umbilical artery. Tortora M, et al. **Obstet Gynecol** 1984 May;63(5):693–6
Ultrasonic measurement of aortic and umbilical blood flow in the human fetus. Van Lierde M, et al. **Obstet Gynecol** 1984 Jun;63(6):801–5
Negative sonographic findings followed by rapid cervical dilatation due to cervical incompetence. Witter FR. **Obstet Gynecol** 1984 Jul;64(1):136–7
Prenatal diagnosis of skeletal dysplasia by real-time ultrasound. Wladimiroff JW, et al. **Obstet Gynecol** 1984 Mar;63(3):360–4
Septate uterus: sonographic diagnosis and obstetric complications. Worthen NJ, et al. **Obstet Gynecol** 1984 Sep; 64(3 Suppl):34S–38S
Correlation of ultrasonic images of fetal intestine with gestational age and fetal maturity. Zilianti M, et al. **Obstet Gynecol** 1983 Nov;62(5):569–73
Routine realtime ultrasound in a private obstetric office. Schamadan WE. **Ohio State Med J** 1983 Sep;79(9):714–5
Ultrasound—a research tool in the study of accommodation. Storey JK, et al. **Ophthalmic Physiol Opt** 1983;3(3):315–20
Computer-aided ultrasonic measurements of the corneal thickness. Lepper RD, et al. **Ophthalmic Res** 1984; 16(3):163–7
Echographic detection and classification of posterior hyphemas. Ossoinig KC. **Ophthalmologica** 1984; 189(1–2):2–11
Extrascleral extension of choroidal melanoma diagnosed by ultrasound. Martin JA, et al. **Ophthalmology** 1983 Dec; 90(12):1554–9
Orbital tissue differentiation with standardized echography. Byrne SR, et al. **Ophthalmology (Rochester)** 1983 Sep; 90(9):1071–90
Ultrasound as a diagnostic aid in maxillofacial surgery. Report of a case. Jones JK, et al. **Oral Surg** 1984 Jun; 57(6):589–94
Use of ultrasonography for diagnosis and management of neonatal brain abscess. Nielsen HC, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):460–1
Aortic flow velocity curves in the diagnosis and the followup of symptomatic patent ductus arteriosus in preterm infants during therapeutic interventions. Ulmer HE, et al. **Pediatr Pharmacol (New York)** 1983;3(3–4):167–74
Cystic meconium peritonitis: ultrasonographic features. Bowen A, et al. **Pediatr Radiol** 1984;14(1):18–22
Ultrasonic detection of subdural collections. Cremin BJ, et al. **Pediatr Radiol** 1984;14(4):191–4
Nephrocalcinosis in Bartter's syndrome. Demonstration by ultrasonography. Cumming WA, et al. **Pediatr Radiol** 1984; 14(2):125–6
Sonographic diagnosis of urethral polyp in a child. de Filippi G, et al. **Pediatr Radiol** 1983;13(6):351–2
Hydronephrosis in childhood—reliability of ultrasound screening. Diament MJ, et al. **Pediatr Radiol** 1984; 14(1):31–6
Multicystic dysplasia in the upper component of the complete duplex kidney. Diard F, et al. **Pediatr Radiol** 1984; 14(5):310–3
Sonographic evidence of intraperitoneal fluid. An experimental study and its clinical implications. Dinkel E, et al. **Pediatr Radiol** 1984;14(5):299–303
Mesenteric cyst: sonographic appearance with CT correlation. Geer LL, et al. **Pediatr Radiol** 1984;14(2):102–4
The pylorus in infancy: overall sonographic assessment. Graif M, et al. **Pediatr Radiol** 1984;14(1):14–7
Ultrasonographic demonstration of systemic artery feeding extrapulmonary sequestration. Kaude JV, et al. **Pediatr Radiol** 1984;14(4):226–7
Ultrasonographic diagnosis of gangrenous bowel in neonatal necrotizing enterocolitis. Kodroff MB, et al. **Pediatr Radiol** 1984;14(3):168–70
Upper gastrointestinal and ultrasound examinations of gastric antral involvement in chronic granulomatous disease. Kopen PA, et al. **Pediatr Radiol** 1984;14(2):91–3
Diagnosis of liver-spleen abscesses in children—with emphasis on ultrasound for the initial and follow-up examinations. Laurin S, et al. **Pediatr Radiol** 1984; 14(4):198–204
Hypoxic/ischaemic cerebral injury in the neonatal brain. A report of sonographic features with computed tomographic

correlation. Martin DJ, et al. **Pediatr Radiol** 1983; 13(6):307–12

Echographic diagnosis of neonatal renal venous thrombosis. Metreweli C, et al. **Pediatr Radiol** 1984;14(2):105–8

Neonatal colonic atresia: ultrasound findings. Pasto ME, et al. **Pediatr Radiol** 1984;14(5):346–8

Preoperative ultrasonographic diagnosis of a parathyroid adenoma in a child. Rodríguez-Cueto G, et al. **Pediatr Radiol** 1984;14(1):47–8

Splenic abscess diagnosed by ultrasound in the pediatric patient. Report of three cases. Rudick MG, et al. **Pediatr Radiol** 1983;13(5):269–71

Ultrasound in the evaluation of hypoxic–ischemic injury and intracranial hemorrhage in neonates: the state of the art. Slovis TL, et al. **Pediatr Radiol** 1984;14(2):67–75 (28 ref.)

Ultrasonographic diagnosis of brain tumors in infancy. Strassburg HM, et al. **Pediatr Radiol** 1984;14(5):284–7

Ultrasound contribution to diagnosis of Peutz-Jeghers syndrome. Walecki JK, et al. **Pediatr Radiol** 1984; 14(1):62–4

Relationship between pressure passivity and subependymal/intraventricular hemorrhage as assessed by pulsed Doppler ultrasound. Ahmann PA, et al. **Pediatrics** 1983 Nov;72(5):665–9

Intracranial lesions of congenital cytomegalovirus infection detected by ultrasound scanning. Butt W, et al. **Pediatrics** 1984 May;73(5):611–4

Causes of increased renal echogenicity in pediatric patients. Kressky AM, et al. **Pediatrics** 1983 Dec;72(6):840–6

Hemorrhagic periventricular leukomalacia and spastic diplegia [letter] Kuban KC, et al. **Pediatrics** 1984 Mar; 73(3):411–2

Brain blood flow [letter] Rosenfeld CR. **Pediatrics** 1984 Aug; 74(2):316–7

Ultrasonic monitoring of decompression procedures. Daniels S. **Philos Trans R Soc Lond [Biol]** 1984 Jan 7; 304(1118):153–75

Short review: ultrasonographic placental morphology. Hoogland HJ, et al. **Placenta** 1983 Oct–Dec;4(4):427–34

Ultrasound: a simple noninvasive examination of cervical swellings. Ward-Booth RP, et al. **Plast Reconstr Surg** 1984 Apr;73(4):577–81

Prenatal diagnosis of endocardial fibroelastosis. Bovicelli L, et al. **Prenat Diagn** 1984 Jan–Feb;4(1):67–72

Prenatal diagnosis of conjoined twins. Chatterjee MS, et al. **Prenat Diagn** 1983 Oct;3(4):357–61

Sonographic diagnosis of cystic adenomatoid malformation in-utero. Cohen RA, et al. **Prenat Diagn** 1983 Apr–Jun; 3(2):139–43

Prenatal diagnosis of thrombocytopenia absent radius syndrome using ultrasound and fetoscopy. Filkins K, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):139–42

Simple ultrasonic diagnosis of osteogenesis imperfecta type II in early second trimester. Ghosh A, et al. **Prenat Diagn** 1984 May–Jun;4(3):235–40

Normal ultrasonic size and characteristics of the fetal adrenal glands. Jeanty P, et al. **Prenat Diagn** 1984 Jan–Feb;4(1):21–8

Early prenatal detection of diastrophic dysplasia. Kaitila I, et al. **Prenat Diagn** 1983 Jul;3(3):237–44

Cystic hygroma simulating an encephalocele. Nevin NC, et al. **Prenat Diagn** 1983 Jul;3(3):249–52

Prenatal diagnosis of lethal osteogenesis imperfecta (OI) by ultrasonography. Patel ZM, et al. **Prenat Diagn** 1983 Jul; 3(3):261–3

Prenatal diagnosis of genetic microcephaly. Pescia G, et al. **Prenat Diagn** 1983 Oct;3(4):363–5

Prenatal diagnosis of sex-linked hydrocephalus [letter] Rogers JG, et al. **Prenat Diagn** 1983 Jul;3(3):269

Early prenatal ultrasonic findings in Klippel–Trenaunay–Weber syndrome. Seoud M, et al. **Prenat Diagn** 1984 May–Jun;4(3):227–30

Prenatal ultrasound diagnosis of congenital heart disease associated with intrauterine growth retardation. A report of 2 cases. Stewart PA, et al. **Prenat Diagn** 1983 Oct; 3(4):279–85

Prenatal diagnosis of X-linked hydrocephaly. van Egmond-Linden A, et al. **Prenat Diagn** 1983 Jul;3(3):245–8

Noninvasive assessment of atherosclerosis. Blankenhorn DH, et al. **Prog Cardiovasc Dis** 1984 Jan–Feb;26(4):295–307

Noninvasive vascular diagnostic testing: techniques and clinical applications. Yao JS, et al. **Prog Cardiovasc Dis** 1984 May–Jun;26(6):459–94 (220 ref.)

Ultrasonography and computed tomography in the staging of bladder and prostate cancers. Denis L, et al. **Prog Clin Biol Res** 1984;153:3–21

Transrectal ultrasonotomography of the canine prostate. Miyashita H, et al. **Prostate** 1984;5(4):453–7

Transabdominal ultrasonography in the evaluation of patients with advanced prostatic carcinoma: effects of castration and of chronic administration of a gonadotropin releasing hormone agonistic analogue. Tolis G, et al. **Prostate** 1983; 4(6):595–600

Residual urine in prostatism estimated by ultrasound scanning: a simple rule. Abrams PH, et al. **Radiography** 1983 Aug;49(584):194

Sonography for fluid collections in the leg. Britten J, et al. **Radiography** 1984 Mar–Apr;50(590):85–6

Case history: diagnosis of fetal duodenal atresia. Brown W. **Radiography** 1984 Mar–Apr;50(590):30–1

Intracranial ultrasonic scanning—a survey of 260 consecutive special care infants. Whittaker PE. **Radiography** 1984 Jul–Aug;50(592):161–70

Symposium on CT and ultrasonography in the acutely ill patient. **Radiol Clin North Am** 1983 Sep;21(3):423–606

Renal ultrasonography 1984: a practical overview. Amis ES Jr, et al. **Radiol Clin North Am** 1984 Jun;22(2):315–32 (121 ref.)

Ultrasonography and computed tomography in the evaluation of the acutely ill pediatric patient. Babcock DS, et al. **Radiol Clin North Am** 1983 Sep;21(3):527–50

Ultrasound of the acutely ill obstetrics and gynecology patient. Chinn DH, et al. **Radiol Clin North Am** 1983 Sep; 21(3):585–94 (27 ref.)

Abscess drainage with CT and ultrasound guidance. Clark RA, et al. **Radiol Clin North Am** 1983 Sep;21(3):445–59 (38 ref.)

Acute disease of the aorta. Diagnosis by computed tomography and ultrasonography. Godwin JD, et al. **Radiol Clin North Am** 1983 Sep;21(3):551–74 (112 ref.)

Sonography of acute scrotal abnormalities. Hricak H, et al. **Radiol Clin North Am** 1983 Sep;21(3):595–603

CT and ultrasonography of acute renal abnormalities. Jeffrey RB, et al. **Radiol Clin North Am** 1983 Sep;21(3):515–25 (30 ref.)

Acute pancreatitis and its complications. Computed tomography and sonography. Lawson TL. **Radiol Clin North Am** 1983 Sep;21(3):495–513 (57 ref.)

Intraabdominal abscesses. Diagnosis by sonography and computed tomography. Mueller PR, et al. **Radiol Clin North Am** 1983 Sep;21(3):425–43 (59 ref.)

Significance of ultrasonography in diagnosis and treatment of pancreas pseudocysts. Bohár L, et al. **Radiol Diagn (Berl)** 1983;24(4):495–8

Ultrasonically diagnosed simple cysts of the liver. Solgaard S, et al. **Radiologe** 1984 Apr;24(4):195–7

Catheter-induced cystitis: evaluation by cystosonography. Abu-Yousef MM, et al. **Radiology** 1984 May;151(2):471–3

Urinary bladder tumors studied by cystosonography. Part II: Staging. Abu-Yousef MM, et al. **Radiology** 1984 Oct; 153(1):227–31

Urinary bladder tumors studied by cystosonography. Part I: Detection. Abu-Yousef MM, et al. **Radiology** 1984 Oct; 153(1):223–6

The normal, absent, and abnormal corpus callosum: sonographic findings. Babcock DS. **Radiology** 1984 May; 151(2):449–53

Lacrimal gland and fossa masses: evaluation by computed tomography and A-mode echography. Balchunas WR, et al. **Radiology** 1983 Dec;149(3):751–8

Solid and papillary epithelial neoplasm of the pancreas. Radiographic, CT, sonographic, and angiographic features. Balthazar EJ, et al. **Radiology** 1984 Jan;150(1):39–40

Asymptomatic scrotal masses in children. Barth RA, et al. **Radiology** 1984 Jul;152(1):65–8

Testicular infarction secondary to acute inflammatory disease: demonstration by B-scan ultrasound. Bird K, et al. **Radiology** 1984 Sep;152(3):785–8

Periventricular leukomalacia in the pre-term newborn infant: sonographic and clinical features. Bowerman RA, et al. **Radiology** 1984 May;151(2):383–8

Hepatic tumors in children: ultrasonic differentiation of malignant from benign lesions. Brunelle F, et al. **Radiology** 1984 Mar;150(3):695–9

Ear, nose, and throat cancer: ultrasound diagnosis of metastasis to cervical lymph nodes. Bruneton JN, et al. **Radiology** 1984 Sep;152(3):771–3

Ascites: comparison of plain film radiographs with ultrasonograms. Bundrick TJ, et al. **Radiology** 1984 Aug; 152(2):503–6

Neuroblastoma metastatic to the testis: ultrasonographic screening as an aid to clinical staging. Casola G, et al. **Radiology** 1984 May;151(2):475–6

Acoustic properties of polyvinyl chloride gelatin for use in ultrasonography. Chan B, et al. **Radiology** 1984 Jul; 152(1):215–6

Ultrasonic computed tomography of the breast. Improvement of image quality by use of cross-correlation time-of-flight and phase-insensitive attenuation measurements. Chenevert TL, et al. **Radiology** 1984 Jul;152(1):155–9

Hereditary hemorrhagic telangiectasia: sonographic findings in the liver. Cloogman HM, et al. **Radiology** 1984 Feb; 150(2):521–2

Iliofemoral venous thrombosis: real-time ultrasound diagnosis, normal criteria, and clinical application. Effeney DJ, et al. **Radiology** 1984 Mar;150(3):787–92

Occult testicular interstitial-cell tumor in a patient with gynecomastia: ultrasonic detection. Emory TH, et al. **Radiology** 1984 May;151(2):474

Renal colic: the role of ultrasound in initial evaluation. Erwin BC, et al. **Radiology** 1984 Jul;152(1):147–50

Alobar holoprosencephaly: ultrasonographic prenatal diagnosis. Filly RA, et al. **Radiology** 1984 May;151(2):455–9

Re: Prenatal diagnosis and treatment of fetal hydronephrosis: how realistic? [letter] Filly RA, et al. **Radiology** 1983 Dec; 149(3):875–7

Omphalocele associated with umbilical cord allantoic cyst: sonographic evaluation in utero. Fink IJ, et al. **Radiology** 1983 Nov;149(2):473–6

The medullary pyramid index: an objective assessment of prominence in renal transplant rejection. Fried AM, et al. **Radiology** 1983 Dec;149(3):787–91

Juvenile nephronophthisis: sonographic appearance in children with severe uremia. Garel LA, et al. **Radiology** 1984 Apr;151(1):93–5

The dotted corticomedullary junction: a sonographic indicator of small-vessel disease in hypertensive children. Garel LA, et al. **Radiology** 1984 Aug;152(2):419–22

Liver involvement in chronic granulomatous disease: the role of ultrasound in diagnosis and treatment. Garel LA, et al. **Radiology** 1984 Oct;153(1):117–21

Agenesis of the corpus callosum: sonographic features. Gebarski SS, et al. **Radiology** 1984 May;151(2):443–8

Prenatal ultrasonographic diagnosis of fetal renal tumors. Giulian BB. **Radiology** 1984 Jul;152(1):69–70

The neonatal cisterna magna: ultrasonic evaluation. Goodwin L, et al. **Radiology** 1983 Dec;149(3):691–5

Inguinal ovaries in children demonstrated by high resolution real-time ultrasound. Goske MJ, et al. **Radiology** 1984 Jun; 151(3):635–6

Hyperechoic foci in the gallbladder wall as a sign of microabscess formation or diverticula. Graif M, et al. **Radiology** 1984 Sep;152(3):781–4

Estimating fetal age: computer-assisted analysis of multiple fetal growth parameters. Hadlock FP, et al. **Radiology** 1984 Aug;152(2):497–501

Sonographic estimation of fetal weight. The value of femur length in addition to head and abdomen measurements. Hadlock FP, et al. **Radiology** 1984 Feb;150(2):535–40

Coexistent intrauterine and ectopic pregnancy: a reevaluation. Hann LE, et al. **Radiology** 1984 Jul; 152(1):151–4

Polycystic ovarian disease: sonographic spectrum. Hann LE, et al. **Radiology** 1984 Feb;150(2):531–4

Hemorrhagic pancreatic fluid collections examined by ultrasound. Hashimoto BE, et al. **Radiology** 1984 Mar; 150(3):803–8

Ultrasonographic evaluation of the renal parenchyma in infancy and childhood. Hayden CK Jr, et al. **Radiology** 1984 Aug;152(2):413–7

Puncture of a nondeflatable Foley balloon using ultrasound guidance. Higgins WL, et al. **Radiology** 1984 Jun;151(3):801

Pheochromocytoma invasion of the inferior vena cava: sonographic evaluation. Hoffman JC, et al. **Radiology** 1983 Dec;149(3):793–5

Differentiation of tumor from syringohydromyelia: intraoperative neurosonography of the spinal cord. Hutchins WW, et al. **Radiology** 1984 Apr;151(1):171–4

Male breast carcinoma and gynecomastia: comparison of mammography with sonography. Jackson VP, et al. **Radiology** 1983 Nov;149(2):533–6

Fetal ovarian cysts: sonographic detection and association with hypothyroidism. Jafri SZ, et al. **Radiology** 1984 Mar; 150(3):809–12

Sonography of the fetal duplex kidney. Jeffrey RB Jr, et al. **Radiology** 1984 Oct;153(1):123–4

Porcelain gallbladder: ultrasound and CT appearance. Kane RA, et al. **Radiology** 1984 Jul;152(1):137–41

Thyroid nodules: sonographic–pathologic correlation. Katz JF, et al. **Radiology** 1984 Jun;151(3):741–5

Real-time sonography during spinal surgery. Knake JE, et al. **Radiology** 1984 May;151(2):461–5

Intraoperative sonographic delineation of low-grade brain neoplasms defined poorly by computed tomography. Knake JE, et al. **Radiology** 1984 Jun;151(3):735–9

Ultrasound localization of occult breast lesions. Laing FC, et al. **Radiology** 1984 Jun;151(3):795–6

Postpartum evaluation of fetal hydronephrosis: optimal timing for follow-up sonography. Laing FC, et al. **Radiology** 1984 Aug;152(2):423–4

Oral cholecystosonography: a method for facilitating the diagnosis of cholesterol gallstones. Lebensart PD, et al. **Radiology** 1984 Oct;153(1):255–6

Healing in the traumatized spleen: sonographic investigation. Lupien C, et al. **Radiology** 1984 Apr;151(1):181–5

Sonographically guided percutaneous cholecystostomy performed in dogs and pigs. McGahan JP, et al. **Radiology** 1983 Dec;149(3):841–3

Ultrasonography of the fetal cerebellum. McLeary RD, et al. **Radiology** 1984 May;151(2):439–42

Severe nonimmune hydrops fetalis: sonographic evaluation. Mahony BS, et al. **Radiology** 1984 Jun;151(3):757–61

Fetal renal dysplasia: sonographic evaluation. Mahony BS, et al. **Radiology** 1984 Jul;152(1):143–6

Primary Budd-Chiari syndrome: ultrasonic demonstration. Makuuchi M, et al. **Radiology** 1984 Sep;152(3):775–9

Urinary tract infections in children: renal ultrasound evaluation. Mason WG Jr. **Radiology** 1984 Oct; 153(1):109–11

Water-path ultrasound of chest disease in childhood. Miller JH, et al. **Radiology** 1984 Aug;152(2):401–8

Ultrasound scanning of the gastrointestinal tract in children: subject review. Miller JH, et al. **Radiology** 1984 Sep; 152(3):671–7

Intraoperative sonography in spinal trauma. Montalvo BM, et al. **Radiology** 1984 Oct;153(1):125–34

Sonographic measurements of the normal liver, spleen, pancreas, and portal vein. Niederau C, et al. **Radiology** 1983 Nov;149(2):537–40

Pneumoperitoneum detected by ultrasound. Nirapathpongporn S, et al. **Radiology** 1984 Mar; 150(3):831–2

Pelvic organs in premenarcheal girls: real-time ultrasonography. Orsini LF, et al. **Radiology** 1984 Oct; 153(1):113–6

Using transrectal sonography to teach patients with spinal cord injuries to retrain their bladders. Perkash I, et al.

Radiology 1984 Jul;152(1):228–9
Neonatal intracerebellar hemorrhage: detection by real–time ultrasound. Peterson CM, et al. **Radiology** 1984 Feb; 150(2):391–2
Fetal age estimation by ultrasound: the impact of measurement errors. Pretorius DH, et al. **Radiology** 1984 Sep;152(3):763–6
Thyroid imaging: comparison of high–resolution real–time ultrasound and computed tomography. Radecki PD, et al. **Radiology** 1984 Oct;153(1):145–7
Deep venous thrombosis: detection by high–resolution real–time ultrasonography. Raghavendra BN, et al. **Radiology** 1984 Sep;152(3):789–93
Patterns of resolution in successfully treated hepatic amebic abscess: sonographic evaluation. Ralls PW, et al. **Radiology** 1983 Nov;149(2):541–3
Medullary nephrocalcinosis and pancreatic calcifications demonstrated by ultrasound and CT in infants after treatment with ACTH. Rausch HP, et al. **Radiology** 1984 Oct;153(1):105–7
Intracystic carcinoma of the breast: the role of ultrasonography. Reuter K, et al. **Radiology** 1984 Oct; 153(1):233–4
Fallopian tubal patency assessed by ultrasound following fluid injection. Work in progress. Richman TS, et al. **Radiology** 1984 Aug;152(2):507–10
Epididymis examined by ultrasound. Correlation with pathology. Rifkin MD, et al. **Radiology** 1984 Apr; 151(1):187–90
Sonographic examination of the mediastinum and upper abdomen by fiberoptic gastroscope. Rifkin MD, et al. **Radiology** 1984 Apr;151(1):175–80
The central canal of the spinal cord: ultrasonic identification. St. Amour TE, et al. **Radiology** 1984 Sep;152(3):767–9
The sonographic distinction between neonatal multicystic kidney and hydronephrosis. Sanders RC, et al. **Radiology** 1984 Jun;151(3):621–5
Inflammatory lesions of the groin: ultrasonic evaluation. Sandler MA, et al. **Radiology** 1984 Jun;151(3):747–50
Ultrasound transmission computed tomography of the breast. Schreiman JS, et al. **Radiology** 1984 Feb;150(2):523–30
Ultrasonography of small hepatic tumors using high–resolution linear–array real–time instruments. Sheu JC, et al. **Radiology** 1984 Mar;150(3):797–802
Benign breast lesions: ultrasound detection and diagnosis. Sickles EA, et al. **Radiology** 1984 May;151(2):467–70
Hypoxic–ischemic encephalopathy in term infants: diagnosis and prognosis evaluated by ultrasound. Siegel MJ, et al. **Radiology** 1984 Aug;152(2):395–9
Intracranial hemorrhage in the hypoxic–ischemic infant: ultrasound demonstration of unusual complications. Slovis TL, et al. **Radiology** 1984 Apr;151(1):163–9
Spleen structure in Hodgkin disease: ultrasonic characterization. Work in progress. Sommer FG, et al. **Radiology** 1984 Oct;153(1):219–22
Urachal abnormalities in the adult. Spataro RF, et al. **Radiology** 1983 Dec;149(3):659–63
Hepatocellular carcinoma with venous invasion. Sonographic–angiographic correlation. Subramanyam BR, et al. **Radiology** 1984 Mar;150(3):793–6
Pelvic inflammatory disease: sonographic–pathologic correlation. Swayne LC, et al. **Radiology** 1984 Jun; 151(3):751–5
Cavernous hemangiomas of the liver studied by ultrasound. Enhancement posterior to a hyperechoic mass as a sign of hypervascularity. Taboury J, et al. **Radiology** 1983 Dec; 149(3):781–5
CT– and ultrasound–guided catheter drainage of empyemas after chest–tube failure. vanSonnenberg E, et al. **Radiology** 1984 May;151(2):349–53
The lesser sac and gastrohepatic recess: sonographic appearance and differentiation of fluid collections. Vincent LM, et al. **Radiology** 1984 Feb;150(2):515–9
Duplex ultrasound imaging: vascular applications. Wetzner SM, et al. **Radiology** 1984 Feb;150(2):507–14
Correlation of high–resolution, B–mode and continuous–wave Doppler sonography with arteriography in the diagnosis of carotid stenosis. Zwiebel WJ, et al. **Radiology** 1983 Nov;149(2):523–32
Breast sonography and the detection of cancer. Egan RL, et al. **Recent Results Cancer Res** 1984;90:90–100
Assessment by radiological techniques. Sweet EM. **Recent Results Cancer Res** 1983;88:26–36
Diffuse choroidal thickening detected by ultrasonography in various ocular disorders. Jalkh AE, et al. **Retina** 1983 Fall–Winter;3(4):277–83
Ultrasonographic findings in eyes with giant retinal tears and opaque media. Jalkh AE, et al. **Retina** 1983;3(3):154–8
Ultrasound in evaluation of urinary incontinence secondary to ectopic ureter. Kaude JV, et al. **ROFO** 1983 Nov; 139(5):578–9
Sensitivity of ultrasonography in the demonstration of common bile duct stones and its ranking in comparison with intravenous cholangiography and endoscopic retrograde cholangiopancreatography. Myllylä V, et al. **ROFO** 1984 Aug;141(2):192–4
Ultrasonographic and computed tomographic findings of thromboembolism of the portal system by superior mesenteric vein thrombosis as a complication of appendicitis. Oei TK, et al. **ROFO** 1984 Apr;140(4):473–5
Ultrasonography in the diagnosis of abdominal aortic aneurysms. Päivänsalo M, et al. **ROFO** 1984 Jun; 140(6):683–5
Ultrasonography of carcinoma of the gallbladder. The images and differential diagnostic problems. Suramo I, et al. **ROFO** 1983 Dec;139(6):680–3
Ultrasonography in the localization of parathyroid adenomas. Bennett JM, et al. **S Afr Med J** 1983 Nov 26;64(23):899–900
Ultrasound examinations in obstetrics [letter] Sneider P, et al. **S Afr Med J** 1984 Mar 10;65(10):365–6
Ultrasound diagnosis of situs inversus in utero. A case report. Stoker AF, et al. **S Afr Med J** 1983 Nov 12;64(21):832–4
Ultrasound investigations at a general hospital. A 5–year survey at Ga–Rankuwa Hospital, Pretoria. Todes JV. **S Afr Med J** 1983 Nov 26;64(23):889–91
Ultrasonography of the cervix. van Dongen L. **S Afr Med J** 1984 Jan 21;65(3):82–5
Placental patterns as seen on ultrasonography. van Dongen LG, et al. **S Afr Med J** 1983 Sep 28;64(14):545–7
Current methods in direct imaging of uterine and ovarian tumours. Jirouš J. **Sb Ved Pr Lek Fak Univ Karlovy** 1983; 26(1):1–115
Non invasive assessment of the internal carotid artery in stroke patients. von Arbin M, et al. **Scand J Clin Lab Invest** 1983 Jun;43(4):275–83
Evaluation of liver steatotic and fibrous content by computerized tomography and ultrasound. Pamilo M, et al. **Scand J Gastroenterol** 1983 Sep;18(6):743–7
Abdominal ultrasonography in patients with uncharacteristic abdominal symptoms. Swensen T, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1069–71
Anatomical aspects in ultrasonic endoscopy for the stomach. Caletti G, et al. **Scand J Gastroenterol [Suppl]** 1984;94:34–42
Ultrasonic endoscopy—the gastrointestinal wall. Caletti G, et al. **Scand J Gastroenterol [Suppl]** 1984;102:5–8
Pancreatic pseudocysts and tumors in endosonography. Classen M, et al. **Scand J Gastroenterol [Suppl]** 1984; 94:77–84
Endoscopic ultrasonography in the diagnosis of pancreatic carcinoma. The use of a liquid–filled stomach method. Fukuda M, et al. **Scand J Gastroenterol [Suppl]** 1984; 94:65–76
Endoscopic sonography of the liver—diagnostic application of the echolaparoscope to localize intrahepatic lesions. Fukuda M, et al. **Scand J Gastroenterol [Suppl]** 1984; 102:24–38
Initial results of transgastric endoscopic ultrasonography in comparison with external ultrasound. Heyder N, et al. **Scand J Gastroenterol [Suppl]** 1984;94:85–90
Ultrasound tomography of the upper gastrointestinal tract. Orientation and diagnostic possibilities. Lux G, et al. **Scand J Gastroenterol [Suppl]** 1984;94:13–20
Specifications of endoscopic ultrasonography. Nakazawa S, et al. **Scand J Gastroenterol [Suppl]** 1984;94:1–6
Laparoscopic ultrasonography. Diagnosis of liver and pancreatic cancer. Okita K, et al. **Scand J Gastroenterol [Suppl]** 1984;94:91–100
Endoscopic ultrasonography: preliminary experience. Sivak MV Jr, et al. **Scand J Gastroenterol [Suppl]** 1984;94:51–9
Limits of conventional abdominal sonography and features of endoscopic sonography. Strohm WD. **Scand J Gastroenterol [Suppl]** 1984;94:7–12
Detection of biliary stones by means of endosonography. Strohm WD, et al. **Scand J Gastroenterol [Suppl]** 1984; 94:60–4
Anatomical aspects in ultrasonic endoscopy. Strohm WD, et al. **Scand J Gastroenterol [Suppl]** 1984;94:21–33
Diagnostic efficacy of endoscopic ultrasound tomography in pancreatic cancer and cholestasis. Strohm WD, et al. **Scand J Gastroenterol [Suppl]** 1984;102:18–23
Anatomical and pathological aspects in ultrasonic endoscopy for GI tract. Tanaka Y, et al. **Scand J Gastroenterol [Suppl]** 1984;94:43–50
Use of endoscopic ultrasonography in small pancreatic cancer. Yasuda K, et al. **Scand J Gastroenterol [Suppl]** 1984; 102:9–17
Ultrasonic measurements of haematomata of joints and soft tissues in the haemophiliac. Kinnas PA, et al. **Scand J Haematol [Suppl]** 1984;40:225–35
Laser Doppler flowmetry measurements of superficial dermal, deep dermal and subdermal burns. Alsbjörn B, et al. **Scand J Plast Reconstr Surg** 1984;18(1):75–9
Clinical use of laser Doppler flowmetry in a burns unit. Micheels J, et al. **Scand J Plast Reconstr Surg** 1984; 18(1):65–73
Computed tomography and ultrasound studies of prostatic utricle cyst associated with unilateral renal agenesis. A case report. Holm L, et al. **Scand J Urol Nephrol** 1984;18(1):87–9
How to investigate cholestasis: utility of ultrasound as the first imaging study. Okuda K, et al. **Semin Liver Dis** 1983 Nov;3(4):308–17 (34 ref.)
Prenatal diagnosis of fetal skeletal dysplasias. Grannum PA, et al. **Semin Perinatol** 1983 Apr;7(2):125–37
Fetal hydrocephalus: diagnosis and management. Johnson ML, et al. **Semin Perinatol** 1983 Apr;7(2):83–9
Ultrasonic evaluation of the fetal human heart. Kleinman CS, et al. **Semin Perinatol** 1983 Apr;7(2):90–101
Intrauterine growth retardation avenues of future research in diagnosis and management by ultrasound. Sabbagha RE. **Semin Perinatol** 1984 Jan;8(1):31–6 (22 ref.)
Case of the fall season. Fetal Turner syndrome. Lee J. **Semin Roentgenol** 1983 Oct;18(4):247–9
Ultrasonic measurements of Chinese fetal abdominal areas in the third trimester of pregnancy. Chew SC. **Singapore Med J** 1983 Aug;24(4):207–9
Ultrasonography in the prenatal diagnosis of gastroschisis. Bluth EI, et al. **South Med J** 1984 Feb;77(2):260–1
Carotid ultrasonography in carotid artery disease. Cape CA, et al. **South Med J** 1984 Feb;77(2):183–6
Incidental sonographic detection of renal cell carcinoma. Daughtry JD, et al. **South Med J** 1984 Mar;77(3):292–3
Mucosal fold enlargement: a sonographic finding of gangrenous cholecystitis. Farmer DW, et al. **South Med J** 1984 May;77(5):659–60
Ultrasonography in the diagnosis and management of empyema of the thorax. Mace AH, et al. **South Med J** 1984 Mar;77(3):294–6
Ultrasonic appearance of pyelogenic cysts. Medani CR, et al. **South Med J** 1983 Dec;76(12):1556–8
Diabetic halo. Miller JM Jr, et al. **South Med J** 1983 Dec; 76(12):1484–6
Extracranial cribside sonography in infants. Rosenberg ER, et al. **South Med J** 1984 Aug;77(8):968–71
A comparison of sonography and myelography in clinically suspected spinal stenosis. Asztély M, et al. **Spine** 1983 Nov–Dec;8(8):885–90
Measurement of the lumbar spinal canal by echo ultrasound. Legg SJ, et al. **Spine** 1984 Jan–Feb;9(1):79–82
111–Indium platelet imaging, Doppler spectral analysis and angiography compared in patients with transient cerebral ischaemia. Goldman M, et al. **Stroke** 1983 Sep–Oct; 14(5):752–6
Patency of external and internal carotid artery in the presence of an occluded common carotid artery: noninvasive evaluation with combined cerebrovascular Doppler examination and sequential computertomography. Keller HM, et al. **Stroke** 1984 Jan–Feb;15(1):149–57
Doppler power frequency spectrum analysis in the diagnosis of carotid artery disease Krause H, et al. **Stroke** 1984 Mar–Apr;15(2):351–8
Doppler ultrasound assessment of the internal carotid artery following carotid endarterectomy. Padayachee TS, et al. **Stroke** 1983 Nov–Dec;14(6):990–4
Operative ultrasonography. Sigel B, et al. **Surg Annu** 1983; 15:25–40
Spontaneous resolution of acute pancreatic pseudocysts. Agha FP. **Surg Gynecol Obstet** 1984 Jan;158(1):22–6
A comparison of Doppler flow measurements, ultrasonic and arteriographic imaging in the evaluation of stenoses of the carotid artery. Herring MB, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):67–9
Combined use of Doppler ultrasound and phleborheography in suspected deep venous thrombosis. Ouriel K, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):242–6
Ultrasound evaluation of experimental hydrocephalus in dogs. Brown JA, et al. **Surg Neurol** 1984 Sep;22(3):273–6
In–utero gunshot wound to the head. Use of intraoperative ultrasonography for localization of an intracerebral projectile. Weissman MN, et al. **Surg Neurol** 1984 Apr; 21(4):347–50
Ultrasonographic study of portal venous system in portal hypertension and after portosystemic shunt operations. Bolondi L, et al. **Surgery** 1984 Mar;95(3):261–9
Digital video subtraction angiography and duplex scanning in assessment of carotid artery disease: comparison with conventional angiography. Eikelboom BC, et al. **Surgery** 1983 Nov;94(5):821–5
Comparative accuracy of operative ultrasonography and cholangiography in detecting common duct calculi. Sigel B, et al. **Surgery** 1983 Oct;94(4):715–20
High–resolution ultrasonography and computed tomography of thyroid lesions in patients with hyperparathyroidism. Stark DD, et al. **Surgery** 1983 Dec;94(6):863–8
Ultrasonic endoscopy. Asaki S, et al. **Tohoku J Exp Med** 1983 Sep;141(1):9–12
Application of ultrasonic M–mode scanning and computer evaluation on urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1983 Nov;141(3):369–70
A case of idiopathic fatty liver detectable only by ultrasonography. Yajima Y, et al. **Tohoku J Exp Med** 1983 Jul;140(3):273–8
Pattern recognition of ocular tumors. Coleman DJ, et al. **Trans New Orleans Acad Ophthalmol** 1983;:272–90
Intraocular lens power calculation utilising general purpose clinical ultrasound equipment. Wilson DG. **Trans Ophthalmol Soc NZ** 1984;36:45–7
Lens power calculation—is it necessary? Percival P. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):577–9
Recent advances in hepatic sonography. Fukuda M. **Trop Gastroenterol** 1984 Jan–Mar;5(1):3–19 (45 ref.)
Simultaneous algebraic reconstruction technique (SART): a superior implementation of the art algorithm. Andersen AH, et al. **Ultrasonic Imaging** 1984 Jan;6(1):81–94
Inverse scattering solutions by a sinc basis, multiple source, moment method—Part III: Fast algorithms. Johnson SA, et al. **Ultrasonic Imaging** 1984 Jan;6(1):103–16
Modeling acoustic attenuation of soft tissue with a minimum–phase filter. Kuc R. **Ultrasonic Imaging** 1984 Jan; 6(1):24–36
Comments on Ro[illegible]a, D.E. and Knight, P.C., Interpolation scan [illegible]ersion in pulse echo ultrasound [letter] Larsen HG, [illegible] al. **Ultrasonic Imaging** 1984 Apr; 6(2):242
Diffraction tomography using beam waves: z–average reconstruction. Lu ZQ, et al. **Ultrasonic Imaging** 1984 Jan; 6(1):95–102

Attenuation of ultrasound in normal liver and diffuse liver disease in vivo. Maklad NF, et al. **Ultrasonic Imaging** 1984 Apr;6(2):117–25

A-mode speckle reduction with compound frequencies and compound bandwidths. Melton HE Jr, et al. **Ultrasonic Imaging** 1984 Apr;6(2):159–73

Estimation of ultrasonic attenuation and mean backscatterer size via digital signal processing. Meyer CR, et al. **Ultrasonic Imaging** 1984 Jan;6(1):13–23

Characterization of tongue shape. Morrish KA, et al. **Ultrasonic Imaging** 1984 Jan;6(1):37–47

Analysis of random backscatter in the presence of static reflection components. Rhyne TL, et al. **Ultrasonic Imaging** 1984 Apr;6(2):194–200

Lateral deconvolution of ultrasonic beams. Robinson DE, et al. **Ultrasonic Imaging** 1984 Jan;6(1):1–12

Scattering of ultrasound by tissues. Sehgal CM, et al. **Ultrasonic Imaging** 1984 Jan;6(1):60–80

Estimation of the slope of the acoustic attenuation coefficient. Shaffer S, et al. **Ultrasonic Imaging** 1984 Apr;6(2):126–38

Ultrasound speckle size and lesion signal to noise ratio: verification of theory. Smith SW, et al. **Ultrasonic Imaging** 1984 Apr;6(2):174–80

Lateral filtering of medical ultrasonic B-scans before image generation. Vaknine R, et al. **Ultrasonic Imaging** 1984 Apr; 6(2):152–8

An improved stochastic approach to rf amplitude analysis in ultrasonic cardiac tissue characterization. Vieli A, et al. **Ultrasonic Imaging** 1984 Apr;6(2):139–51

Ultrasound velocity in fixed human liver: empirical anova and regression modelling on histologically assessed abnormalities. Zimmermann KP, et al. **Ultrasonic Imaging** 1983 Jul;5(3):280–94

New aspects of fetal dynamics with a special emphasis on eye movements. Awoust J, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):107–16

Fetal and maternal aortic flow in two different maternal positions. An investigation with combined Doppler–velocimetry and ultrasonic multiple array. Backe B, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):587–93

Improvement of pancreatic ultrasound imaging after secretin administration. Bolondi L, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):497–501

Gelatine-alginate complex gel: a new acoustically tissue-equivalent material. Bush NL, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):479–84

Evaluation of the pancreatic duct: a reappraisal based on a retrospective correlative study by sonography and pancreatography in 117 normal and pathologic subjects. Didier D, et al. **Ultrasound Med Biol** 1983 Sep–Oct; 9(5):509–18

An in vitro model and its application for the study of carotid Doppler spectral broadening. Douville Y, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):347–56

Methodology and basic problems related to blood flow studies in the human fetus. Eik-Nes SH, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):329–37

High resolution ultrasonic imaging by controlled averaging of backscattered signals. Fay B. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):467–72

The assessment of the feto-placental circulation with continuous wave Doppler ultrasound. FitzGerald DE, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):371–6

Umbilical venous flow in normal and complicated pregnancy. Gill RW, et al. **Ultrasound Med Biol** 1984 May–Jun; 10(3):349–63

The role of ultrasound in female infertility management. Hackelöer BJ. **Ultrasound Med Biol** 1984 Jan–Feb; 10(1):35–50

Comparative study of four methods for quantifying Doppler ultrasound waveforms from the femoral artery. Johnston KW, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):1–12

Umbilical vein blood flow in the human fetus in cases of maternal and fetal anemia and uterine bleeding. Jouppila P, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):365–70

The relative effects of system parameters on texture in gray-scale ultrasonograms. Kimme-Smith C, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):299–307

Assessment of follicular development in clomiphene induced cycles by means of ultrasound and laparoscopy: a comparative study. Leerentveld RA, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):595–8

Introduction to the use of ultrasound for the evaluation of women's fertility and fetal well-being. Levi S. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):33

Ultrasound screening for internal carotid disease–II. Sensitivity and specificity of a single site periorbital artery test. Lewis RR, et al. **Ultrasound Med Biol** 1984 Jan–Feb; 10(1):17–25

Software analysis of 20 MHz pulsed Doppler quadrature data. Lucas CL, et al. **Ultrasound Med Biol** 1983 Nov–Dec; 9(6):641–55

Transgastric ultrasonography of the pancreas. Lutz H, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):503–7

A moving tissue-equivalent phantom for ultrasonic real-time scanning and Doppler techniques [letter] McDicken WN, et al. **Ultrasound Med Biol** 1983 Jul–Aug;9(4):L455–9

Blood flow in the fetal descending aorta; intrinsic factors affecting fetal blood flow, i.e. fetal breathing movements and cardiac arrhythmia. Maršál K, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):339–48

Ultrasound screening for internal carotid disease–I. The temporal artery occlusion test—which periorbital artery? Padayachee TS, et al. **Ultrasound Med Biol** 1984 Jan–Feb; 10(1):13–6

Computerized evaluation of blood flow measurement indices using Doppler ultrasound. Saini VD, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):657–60

Ultrasonic doppler spectral broadening in the diagnosis of internal carotid artery stenosis. Sheldon CD, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):575–80

Limitations of Doppler spectral broadening in the early detection of carotid artery disease due to the size of the sample volume. van Merode T, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):581–6

Prospective assessment of the aorto-iliac segment by visual interpretation of frequency analysed Doppler waveforms—a comparison with arteriography. Walton L, et al. **Ultrasound Med Biol** 1984 Jan–Feb;10(1):27–32

Preliminary study on the use of ultrasonic transmission imaging to evaluate the hip joint in the immature dog. Weigel JP, et al. **Ultrasound Med Biol** 1983 Jul–Aug; 9(4):371–8

Migrations of fluid of pancreatic origin: ultrasonic and CT study of 28 cases. Weill F, et al. **Ultrasound Med Biol** 1983 Sep–Oct;9(5):485–96

Ultrasonic tissue characterization of atheromatous plaques using a high resolution real time scanner. Wolverson MK, et al. **Ultrasound Med Biol** 1983 Nov–Dec;9(6):599–609

Gas phase formation and Doppler monitoring during decompression with elevated oxygen. Powell MR, et al. **Undersea Biomed Res** 1983 Sep;10(3):217–24

Ultrasound assessment of changes in the ovary and the uterus during LHRH therapy. Adams J, et al. **Ups J Med Sci** 1984;89(1):39–42

Ultrasound of the neonatal urinary tract. Avni EF, et al. **Urol Radiol** 1983;5(3):177–83

Ultrasonography in the diagnosis of hydronephrosis in patients with normal renal function. Dalla-Palma L, et al. **Urol Radiol** 1983;5(4):221–6

Abnormal renal sinus: sonography patterns of multilocular parapelvic cysts. Dana A, et al. **Urol Radiol** 1983; 5(4):227–31

Fetal and neonatal hydronephrosis. Lebowitz RL, et al. **Urol Radiol** 1983;5(3):185–8

The sonographic diagnosis of focal and diffuse infiltrating intrascrotal lesions. Rifkin MD, et al. **Urol Radiol** 1984; 6(1):20–6

Selective renal biopsy under ultrasonic real-time guidance. Saitoh M. **Urol Radiol** 1984;6(1):30–7

Adrenal myelolipoma: CT and ultrasound findings. Vick CW, et al. **Urol Radiol** 1984;6(1):7–13

Pitfalls related to the urinary bladder in pelvic sonography: a review. Vick CW, et al. **Urol Radiol** 1983;5(4):253–9

Squamous cell carcinoma of the renal pelvis: case report emphasizing sonographic and CT appearance. Wimbish KJ, et al. **Urol Radiol** 1983;5(4):267–9

Nephrosonography and renal scintigraphy in evaluation of newborn with renomegaly. Chevalier RL, et al. **Urology** 1984 Jul;24(1):96–103

Computed tomography, sonographic, and radiographic findings in adrenal myelolipoma. Cintron E, et al. **Urology** 1984 Jun;23(6):608–10

Epidermoid cyst of testicle. Ultrasonographic characteristics. Cohen EL, et al. **Urology** 1984 Jul;24(1):79–81

Ultrasonic findings in lipoblastomatosis masquerading as neuroblastoma. Cunningham JJ. **Urology** 1983 Nov; 22(5):551–2

Prenatal diagnosis by ultrasonography of genitourinary abnormalities. Fourcroy JL, et al. **Urology** 1983 Sep; 22(3):223–9

Water-path echotomography in differential diagnosis of scrotal masses. Guazzieri S, et al. **Urology** 1984 Apr; 23(4):396–8

Transrectal ultrasonography. Spirnak JP, et al. **Urology** 1984 May;23(5):461–7

Incidental fetal hydronephrosis: clinical implication. Spirnak JP, et al. **Urology** 1984 Jul;24(1):105–8

Testicular torsion: management with ultrasonic Doppler flow detector. Vordermark JS 2d. **Urology** 1984 Jul;24(1):41–2

Prenatal sonographic diagnosis of osteogenesis imperfecta: case reports. White RD, et al. **Va Med** 1984 Apr; 111(4):218–20

Ultrasonic Doppler pulse wave analysis versus penile blood pressure measurement in the evaluation of arteriogenic impotence. Metz P, et al. **Vasa** 1983;12(4):363–6

Multiple pregnancy diagnosis in sheep using an ultrasonic Doppler method. Fukui Y, et al. **Vet Rec** 1984 Feb 11; 114(6):145

Ultrasonic diagnosis of trophoblastic disease: molar gestation. Eich BR, et al. **W Va Med J** 1984 Apr;80(4):74–5

Accuracy of cholecystosonography with pathologic correlation. Elyaderani MK. **W Va Med J** 1984 Jun; 80(6):111–5

Sonographic antepartum diagnosis of dicephalus dipus dibrachius: two case reports. Garten KJ, et al. **W Va Med J** 1983 Oct;79(10):218–20

Fetal biometry and intrauterine growth retardation. Current concepts. Neumann CH, et al. **West J Med** 1984 Mar; 140(3):414–20

Sonographic diagnosis of intussusception in childhood. Dinkel E, et al. **Z Kinderchir** 1983 Aug;38(4):220–3

Antenatal diagnosis of congenital anomalies. Ikeda K, et al. **Z Kinderchir** 1983 Aug;38(4):199–203

Hydatid renal cyst with characteristic sonographic pattern. A case report. Nogués A, et al. **Z Kinderchir** 1984 Feb; 39(1):76–7

Antenatal ultrasonic demonstration of congenital diaphragmatic hernia. Perrelli L, et al. **Z Kinderchir** 1983 Apr;38(2):108–9

[Ultrasonic diagnosis in suspected cases of fetal malformation] Mateeva E, et al. **Akush Ginekol (Sofiia)** 1984;23(2):126–9 (Eng. Abstr.) **(Bul)**

[Relation between ultrasonic and hormonal parameters in fetal hypotrophy] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1984;23(1):52–6 (Eng. Abstr.) **(Bul)**

[Ultrasonic diagnosis of pleural changes in asbestosis] Burilkov T, et al. **Vutr Boles** 1983;22(5):90–3 (Eng. Abstr.) **(Bul)**

[A case of leiomyosarcoma of the stomach in which diagnosis echotomographic study made a contribution] Vŭrbanov G, et al. **Vutr Boles** 1983;22(1):86–91 (Eng. Abstr.) **(Bul)**

[Application of ultrasonics in the diagnosis of pleural, pulmonary and mediastinal diseases] Zhang QP. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Feb;7(1):54–5 **(Chi)**

[Gray scale ultrasonography in the diagnosis of space-occupying lesions of the liver] Hao YZ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Feb;18(1):21–3 (Eng. Abstr.) **(Chi)**

[Preliminary evaluation of diagnostic accuracy of combination of contrast study and ultrasonography for gastrointestinal malignant tumors] Li SN. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Aug;17(3):161–4 (Eng. Abstr.) **(Chi)**

[Ultrasonographic diagnosis of carcinoma of extrahepatic bile duct] Dong BW. **Chung Hua I Hsueh Tsa Chih** 1983 Oct; 63(10):599–601 (Eng. Abstr.) **(Chi)**

[Application of sectional anatomy of the liver in its echographic lobulation and segmentation] Shen ZW. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):602–5 (Eng. Abstr.) **(Chi)**

[Localization of aldosteronoma by dynamic focusing ultrasonography] Zhou YC. **Chung Hua I Hsueh Tsa Chih** 1983 Oct;63(10):596–8 (Eng. Abstr.) **(Chi)**

[Ultrasonography in the diagnosis of liver cirrhosis—analysis of 40 cases] Sa WG. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):629–31 (Eng. Abstr.) **(Chi)**

[Ultrasonically guided percutaneous fine needle biopsy in the diagnosis of abdominal tumors] Xu GW. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):682–3 (Eng. Abstr.) **(Chi)**

[Ultrasound for the diagnosis of choroidal tumors] Song GX. **Chung Hua Yen Ko Tsa Chih** 1983 Jul;19(4):241–4 **(Chi)**

[Ultrasonographic patterns of primary carcinoma of the gallbladder] Lin DY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jul;82(7):831–7 (Eng. Abstr.) **(Chi)**

[Real-time abdominal echography in the diagnosis of choledocholithiasis] Wu CC. **Taiwan I Hsueh Hui Tsa Chih** 1983 Jun;82(6):750–6 (Eng. Abstr.) **(Chi)**

[Combined radiographic and sonographic study. Contribution on increasing the diagnostic accuracy in the hepatobiliary system and pancreas] Horáček F, et al. **Cas Lek Cesk** 1984 Jan 27;123(4):97–9 (Eng. Abstr.) **(Cze)**

[Possibilities of using ultrasonic diagnostic methods in evaluating the development of the cardiovascular system in the human fetus] Jungmannová C. **Cesk Gynekol** 1984 Jun;49(5):374–83 **(Cze)**

[Transcutaneous aortovelography in the diagnosis of aortic stenosis in children and adolescents] Kopecká B, et al. **Cesk Pediatr** 1984 Mar;39(3):163–8 (Eng. Abstr.) **(Cze)**

[Sonographic diagnosis of sacral dystopia of a discoid kidney] Axmann K Jr, et al. **Cesk Radiol** 1984 May;38(3):212–5 (Eng. Abstr.) **(Cze)**

[More effective diagnosis of the biliary tract: sonography and instrumental cholangiography] Hledík E, et al. **Cesk Radiol** 1984 Feb;38(1):51–4 (Eng. Abstr.) **(Cze)**

[Pitfalls in ultrasonic diagnosis in urology] Kočí K, et al. **Rozhl Chir** 1983 Oct;62(10):660–8 (Eng. Abstr.) **(Cze)**

[Evaluation of methods for the determination of venous insufficiency of the lower extremities] Barták J, et al. **Sb Lek** 1983 Oct;85(9–10):251–4 (Eng. Abstr.) **(Cze)**

[Fetal hydronefrosis diagnosed in the 17th week of pregnancy] Brahe A, et al. **Ugeskr Laeger** 1984 Mar 5; 146(10):732–3 (Eng. Abstr.) **(Dan)**

[Transurethral ultrasonography of newly discovered bladder tumors] Louw P, et al. **Ugeskr Laeger** 1984 Feb 20; 146(8):583–5 (Eng. Abstr.) **(Dan)**

[Intrauterine ultrasonic diagnosis of monochorionic diamniotic twin pregnancy with an acardiac anencephalic fetus] Lutterodt MA, et al. **Ugeskr Laeger** 1984 Mar 5; 146(10):733–4 (Eng. Abstr.) **(Dan)**

[Ultrasonic examination of the gallbladder for calculi] Rørdam P, et al. **Ugeskr Laeger** 1983 Nov 14; 145(46):3572–3 (Eng. Abstr.) **(Dan)**

[Neonatal hydrocephalus diagnosed by ultrasound scanning] Seerup A, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3344–5 (Eng. Abstr.) **(Dan)**

[Ultrasonic scanning used in controlling the position of the Multiload Cu 250 intrauterine device] Storm L, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1044–5 (Eng. Abstr.) **(Dan)**

[Doppler examination] Vermeersch D.
Acta Belg Med Phys 1983 Jan–Mar;6(1):25–30 **(Dut)**
[Neurosonology] Colon E, et al. **Ned Tijdschr Geneeskd** 1984 Jan 28;128(4):166–70 **(Dut)**
[Echographic studies of the scrotum] de Loof JL, et al.
Ned Tijdschr Geneeskd 1983 Aug 13;127(33):1476–81 (Eng. Abstr.) **(Dut)**
[The value of echography in the diagnosis of intra-abdominal abscesses] Heevel JG, et al. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):546–8 (Eng. Abstr.) **(Dut)**
[Echography for the differentiation between a ruptured cyst of the popliteal space and thrombosis of the deep veins of the calf] van der Woude GJ, et al.
Ned Tijdschr Geneeskd 1984 Apr 14;128(15):699–703 (Eng. Abstr.) **(Dut)**
[The value of echography of the gallbladder in cholecystolithiasis] van Loenhout RM, et al.
Ned Tijdschr Geneeskd 1983 Oct 22;127(43):1951–5 (Eng. Abstr.) **(Dut)**
[Routine echography in early pregnancy] van Wering JH.
Ned Tijdschr Geneeskd 1984 Apr 7;128(14):656–9 (Eng. Abstr.) **(Dut)**
[Echo diagnosis in vitreous hemorrhages] Verbeek AM.
Ned Tijdschr Geneeskd 1984 Jun 9;128(23):1090–5 (Eng. Abstr.) **(Dut)**
[The use of linear-array real-time echography in veterinary obstetrics and gynecology] Taverne MA.
Tijdschr Diergeneeskd 1984 Jun 15;109(12):494–506 (Eng. Abstr.) **(Dut)**
[Chyloperitoneum in newborn infants] Hogeman PH, et al.
Tijdschr Kindergeneeskd 1983 Aug;51(4):143–6 (Eng. Abstr.) **(Dut)**
[Detection of diastrophic dysplasia in early pregnancy] Kaitila I, et al. **Duodecim** 1983;99(14):861–8 (Eng. Abstr.) **(Fin)**
[The Doppler-Fizeau effect. Digital radiology] Garsou J.
Acta Belg Med Phys 1983 Jul–Sep;6(3):87–90 **(Fre)**
[The Doppler system adapted to digestive endoscopy. Pilot study of 119 patients] Deltenre M, et al.
Acta Gastroenterol Belg 1984 Jan–Feb;47(1):3–10 (Eng. Abstr.) **(Fre)**
[Ultrasonic cerebral tomosphygmography and cerebral perfusion pressure] Lajoix M, et al. **Agressologie** 1983 Oct; 24(9):425–7 (Eng. Abstr.) **(Fre)**
[Echographic evaluation of the severity of aortic stenosis in cases with associated mitral stenosis] M'Zah N, et al.
Ann Cardiol Angeiol (Paris) 1984 Jul–Sep;33(5):295–9 (Eng. Abstr.) **(Fre)**
[Diagnostic value of the determination of nephrogenic cyclic AMP, and the value of cervical echography for localization in primary hyperparathyroidism. 13 cases]
Bentata-Pessayre M, et al. **Ann Med Interne (Paris)** 1984; 135(1):7–11 (Eng. Abstr.) **(Fre)**
[Pelvic echography] André C, et al. **Ann Pediatr (Paris)** 1984 Mar;31(3):177–82 (Eng. Abstr.) **(Fre)**
[Value of endorectal echography in rectal surgery] Alzin HH, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):334–6 (Eng. Abstr.) **(Fre)**
[Prevention of early thromboses after arterial surgery by intraoperative Doppler flow measurement] Becquemin JP, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):319–23 (Eng. Abstr.) **(Fre)**
[Approach to collection of fetal fluid under echographic control] Bessis R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul; 26(5):432–4 (Eng. Abstr.) **(Fre)**
[Fetal blood sampling: a new technic under echographic control] Capella-Pavlovsky M, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):426–8 (Eng. Abstr.) **(Fre)**
[Intravenous angiography, Doppler velocimetry and atheromatous lesions in cerebrovascular pathology] Celsis P, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):606–9 (Eng. Abstr.) **(Fre)**
[Echographic diagnosis of a case of renal candidiasis] Cornud F, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):421–4 (Eng. Abstr.) **(Fre)**
[Microprocessing and radiologic or ultrasonographic studies: examples of programs and their applications] Duvauferrier R, et al. **Ann Radiol (Paris)** 1983 Dec;26(8):655–64 (Eng. Abstr.) **(Fre)**
[Technic, indications for and results of the puncture of liquid renal masses] Godefroy D, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):447–52 (Eng. Abstr.) **(Fre)**
[Uterine curettage under echographic control] Jeny R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):444–5 (Eng. Abstr.) **(Fre)**
[Selective reduction in cases of multiple pregnancy] Jeny R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):446 (Eng. Abstr.) **(Fre)**
[Inflammatory pseudotumor of the lung in a child. Echographic aspects] Kervarec D, et al.
Ann Radiol (Paris) 1984 Jun–Jul;27(5):425–7 (Eng. Abstr.) **(Fre)**
[Interventional echography of the male anterior pelvis. Apropos of 1 500 cases 1980–1982] Lardennois B, et al.
Ann Radiol (Paris) 1983 Apr–May;26(4):327–33 (Eng. Abstr.) **(Fre)**
[Surgical echography in gynecology-obstetrics] Leroy B.
Ann Radiol (Paris) 1983 Jun–Jul;26(5):424–5 **(Fre)**
[Echo-controlled amniocentesis] Nisand I, et al.
Ann Radiol (Paris) 1983 Jun–Jul;26(5):429–31 (Eng. Abstr.) **(Fre)**
[Cystic drainage of a fetal obstructive uropathy. Apropos of a case] Nisand I, et al. **Ann Radiol (Paris)** 1983 Jun–Jul; 26(5):437–40 (Eng. Abstr.) **(Fre)**
[Peroperative echography in neurosurgery] Reizine D, et al.
Ann Radiol (Paris) 1984 Jun–Jul;27(5):401–4 (Eng. Abstr.) **(Fre)**
[Value of transrectal echography in estimating the volume of a prostatic adenoma] Richard F, et al.
Ann Radiol (Paris) 1983 Apr–May;26(4):324–6 (Eng. Abstr.) **(Fre)**
[Echographic puncture of major hydrocephalus] Rio Y, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):435–6 (Eng. Abstr.) **(Fre)**
[Symptomatology of pseudotumoral forms of hydatid cyst of the liver. Apropos of 7 cases] Sansot M, et al.
Ann Radiol (Paris) 1983 Jun–Jul;26(5):370–5 (Eng. Abstr.) **(Fre)**
[Intrauterine placement of a nephro-amniotic shunt] Schaaps JP, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):441–3 (Eng. Abstr.) **(Fre)**
[Echographic diagnosis of a cachexia-inducing diencephalic tumor] Blanc JF, et al. **Arch Fr Pediatr** 1983 Aug–Sep; 40(7):575–7 (Eng. Abstr.) **(Fre)**
[Chronic septic granulomatosis. Disclosed by hepatic abscesses. Contribution of echography] Cheron G, et al.
Arch Fr Pediatr 1984 May;41(5):353–5 (Eng. Abstr.) **(Fre)**
[Radiological case of the month: congenital toxoplasmosis] Fauré C, et al. **Arch Fr Pediatr** 1984 May;41(5):357–8 **(Fre)**
[Ischemic porencephalia in the neonatal period. Echographic aspects] Saliba E, et al. **Arch Fr Pediatr** 1983 Nov; 40(9):733–5 (Eng. Abstr.) **(Fre)**
[Ultrasonic study of the carotid artery bifurcation. Comparative study with arteriography (50 cases)] Juhel P, et al. **Arch Mal Coeur** 1983 Dec;76(12):1437–44 (Eng. Abstr.) **(Fre)**
[Development of diagnostic and treatment methods in biliary lithiasis] Mercadier M. **Bull Acad Natl Med (Paris)** 1983 Jun;167(6):571–8 (Eng. Abstr.) **(Fre)**
[Echography of foreign bodies in the anterior chamber] Loffredo A, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:123–6 **(Fre)**
[Possibilities and limitations of echography studies of foreign bodies in ophthalmology] Poujol J.
Bull Mem Soc Fr Ophtalmol 1983;95:127–9 **(Fre)**
[Diagnostic possibilities of ultrasonography in clinical observations on intraocular foreign bodies] Reibaldi A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:130–3 **(Fre)**
[Ocular echometry, a new parameter in the diagnosis and prevention of the development of congenital glaucoma] Sampaolesi R. **Bull Mem Soc Fr Ophtalmol** 1983;95:401–9 **(Fre)**
[Echography and prognosis of retinal detachment in aphakia] Ballereau L. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul; 83(6–7):861–4 (Eng. Abstr.) **(Fre)**
[Examples of the use of real-time peroperative ultrasonography in endocrine surgery] Chapuis Y, et al.
Chirurgie 1984;110(2):97–104 (Eng. Abstr.) **(Fre)**
[Study of the digestive arteries by Doppler and echotomographic ultrasonography. Uniformity of functional vascular studies] Franceschi C, et al.
Chirurgie 1983;109(6):515–8 (Eng. Abstr.) **(Fre)**
[Value of echotomography for the diagnosis of lithiasis of the common bile duct] Espinoza P, et al.
Gastroenterol Clin Biol 1984 Jan;8(1):42–6 (Eng. Abstr.) **(Fre)**
[Fortuitous echographic discovery of focal lesions of the liver] Kunstlinger F. **Gastroenterol Clin Biol** 1983 Dec; 7(12):951–4 **(Fre)**
[Pragmatic diagnostic value of hepatobiliary echography in 193 consecutive jaundiced patients referred to an endoscopic retrograde cholangiography center] Lassègue A, et al. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):512–7 (Eng. Abstr.) **(Fre)**
[Hepatic fascioliasis. Echotomographic appearance at an early stage (letter)] Messner M, et al.
Gastroenterol Clin Biol 1983 Aug–Sep;7(8–9):753 **(Fre)**
[Evaluation of ultrasonography in the diagnosis of cirrhosis. Retrospective studies of 100 consecutive tests] Seitz JF, et al. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):734–9 (Eng. Abstr.) **(Fre)**
[Comparison of symptoms and vascular laboratory study in the development of arteriopathies of the lower limbs] Buchheim G, et al. **Helv Chir Acta** 1984 Apr;51(1):101–4 (Eng. Abstr.) **(Fre)**
[Ultrasound tracking of the progression of hepatic metastases treated by chemotherapy: a case of small cell carcinoma of the lung] Schellinck P, et al. **J Belge Radiol** 1983; 66(2):127–31 (Eng. Abstr.) **(Fre)**
[Gallbladder and ultrasound: 6-year experience. Evaluation and difficulties in interpretation] Trotteur G, et al.
J Belge Radiol 1983;66(3):173–90 (Eng. Abstr.) **(Fre)**
[Odontogenesis in the human fetus: an echographic study] Awoust J, et al. **J Biol Buccale** 1984 Mar;12(1):37–47 (Eng. Abstr.) **(Fre)**
[Echographic study of the structure of a malignant melanoma of the choroid] Marchini G, et al. **J Fr Ophtalmol** 1984; 7(3):227–31 (Eng. Abstr.) **(Fre)**
[Echography in the diagnosis of retinoblastoma] Varene B, et al. **J Fr Ophtalmol** 1984;7(1):51–6 (Eng. Abstr.) **(Fre)**
[Limits of ultrasonics in the study of urinary tract malformations] Anderegg A. **J Genet Hum** 1984 Mar; 32(1):49–51 (Eng. Abstr.) **(Fre)**
[Antenatal ultrasonic diagnosis of nephro-urologic malformations] Dumez Y, et al. **J Genet Hum** 1984 Mar; 32(1):31–41 (Eng. Abstr.) **(Fre)**
[Familial Wiedeman-Beckwith syndrome: prenatal echography diagnosis and histologic confirmation] Nivelon-Chevallier A, et al. **J Genet Hum** 1983 Dec;31 Suppl 5:397–402 (Eng. Abstr.) **(Fre)**
[Prenatal ultrasonic diagnosis of malformation uropathies: 13 cases] Piussan C, et al. **J Genet Hum** 1984 Jun;32(2):113–20 (Eng. Abstr.) **(Fre)**
[Study of fetal and placental circulation by ultrasound. New technic in the surveillance of pregnancy] Arbeille P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(8):851–9 (Eng. Abstr.) **(Fre)**
[An original method of echographic fetal measurements] Coicaud C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(8):845–50 (Eng. Abstr.) **(Fre)**
[Prenatal diagnosis of malformations of the central nervous system] Elkhazen N, et al.
J Gynecol Obstet Biol Reprod (Paris) 1984;13(1):55–66 (Eng. Abstr.) **(Fre)**
[Echographic study of ovulation. Correlation with hormonal changes. Advantages and limitations of the method] Germond M. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(7):727–31 (Eng. Abstr.) **(Fre)**
[The cervix in primiparous women. A series of 320 perineal echographies] Lumbroso P, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(5):489–94 (Eng. Abstr.) **(Fre)**
[Prolonged fetal monitoring, ultrasonic telemetric registering. Methodology. Applications] Puech F, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(5):505–9 (Eng. Abstr.) **(Fre)**
[Surgery in utero on a two-headed monster. The value of echography] Serment H, et al.
J Gynecol Obstet Biol Reprod (Paris) 1984;13(2):197–203 (Eng. Abstr.) **(Fre)**
[Contribution of real time echotomography to evaluation of cervico-encephalic atheromatous disease] Baud JM, et al.
J Mal Vasc 1983;8(3):239–44 (Eng. Abstr.) **(Fre)**
[Study of iliac arterial axes by Doppler ultrasonography during hyperemia induced by walking and arterial occlusion] Petermans J, et al. **J Mal Vasc** 1983;8(3):245–7 (Eng. Abstr.) **(Fre)**
[Ultrasonographic study of retroperitoneal and abdominopelvic hematomas] Belloir A, et al. **J Radiol** 1983 Nov;64(11):621–5 (Eng. Abstr.) **(Fre)**
[Hemorrhagic complication following hepatic puncture biopsy. Value of echography] Boustière C, et al.
J Radiol 1983 Nov;64(11):647–8 (Eng. Abstr.) **(Fre)**
[Congenital cysts of the liver in echography] Bruneton JN, et al. **J Radiol** 1983 Aug–Sep;64(8–9):471–6 (Eng. Abstr.) **(Fre)**
[Echography and computed x-ray tomography in the diagnosis and surveillance of hepatoblastoma. Apropos of 5 cases] Calabet A, et al. **J Radiol** 1984 Mar;65(3):123–31 (Eng. Abstr.) **(Fre)**
[Real-time echography of the parathyroid glands] Cornud F, et al. **J Radiol** 1983 Oct;64(10):545–50 (Eng. Abstr.) **(Fre)**
[Value of preliminary intravenous urography. Apropos of errors by default in the ultrasonic diagnosis of renal tumors] Dana A, et al. **J Radiol** 1983 Jun–Jul;64(6–7):415–20 (Eng. Abstr.) **(Fre)**
[Gallbladder atony and celiac disease in adults. Radiographic and echographic study of 15 cases] Delamarre J, et al.
J Radiol 1984 Mar;65(3):133–6 (Eng. Abstr.) **(Fre)**
[Comparative contribution of ultrasonography and tomodensitometry in the diagnosis of retroperitoneal adenopathies] Drouet JC, et al. **J Radiol** 1983 Aug–Sep; 64(8–9):477–82 (Eng. Abstr.) **(Fre)**
[Thyroid echography in chronic autoimmune lymphocytic thyroiditis] Espinasse P. **J Radiol** 1983 Oct;64(10):537–44 (Eng. Abstr.) **(Fre)**
[The role of echography in splenic injuries in children] Filiatrault D, et al. **J Radiol** 1984 Feb;65(2):79–83 (Eng. Abstr.) **(Fre)**
[Diagnosis of calcification of the patellar tendon. Echo-radiographic comparison] Fornage B, et al.
J Radiol 1984 May;65(5):355–9 (Eng. Abstr.) **(Fre)**
[A new technic of transperineal puncture of the prostate guided by real-time endorectal echography] Fornage B.
J Radiol 1983 Nov;64(11):651–5 (Eng. Abstr.) **(Fre)**
[Echography of palpable abdominal masses in adults. Apropos of 92 cases] Poncin J, et al. **J Radiol** 1984 Mar; 65(3):137–43 (Eng. Abstr.) **(Fre)**
[Echography of non-suppurative thyroiditis] Poncin J, et al.
J Radiol 1983 Dec;64(12):713–20 (Eng. Abstr.) **(Fre)**
[Echographic image of gallbladder partitioning. 8 cases] Sansot M, et al. **J Radiol** 1983 Dec;64(12):687–92 (Eng. Abstr.) **(Fre)**
[Heterogeneous steatosis. Echographic aspects] Scherrer A, et al. **J Radiol** 1984 Jan;65(1):25–9 (Eng. Abstr.) **(Fre)**
[Is the barium enema preparation a good preparation for echography?] Scherrer A, et al. **J Radiol** 1983 Aug–Sep; 64(8–9):509–10 (Eng. Abstr.) **(Fre)**
[Is the preparation of barium enema a sound preparation for echography?] Scherrer A, et al. **J Radiol** 1983 Nov; 64(11):649–50 (Eng. Abstr.) **(Fre)**
[Echography in the pretherapeutic evaluation of esophageal cancers. Apropos of 102 cases] Scherrer A, et al.

J Radiol 1983 Dec;64(12):681-5 (Eng. Abstr.) (Fre)
[Echography of tumors with multiple localizations in the urinary tract. Apropos of 2 cases] Sibert A, et al. J Radiol 1984 Jan;65(1):31-4 (Eng. Abstr.) (Fre)
[Cystic lymphangioma of the abdomen in an adult. Contribution of echography and computed x-ray tomography. Apropos of a case] Strohl D, et al. J Radiol 1984 Mar;65(3):197-200 (Eng. Abstr.) (Fre)
[Real-time ultrasonographic study of the parathyroid glands. Apropos of 100 explorations] Tyan P, et al. J Radiol 1983 Aug-Sep;64(8-9):465-9 (Eng. Abstr.) (Fre)
[Percutaneous nephrostomy under echographic guidance. Apropos of 31 cases] Cornud F, et al. J Urol (Paris) 1983; 89(7):493-500 (Eng. Abstr.) (Fre)
[Multiple splenic and renal abscesses caused by Candida albicans: a new diagnostic and therapeutic method using intraoperative echography and closure of the residual cavities with biological glue] Giannotta A, et al. J Urol (Paris) 1983;89(9):695-9 (Eng. Abstr.) (Fre)
[Contribution of echotomography in the diagnosis of hydatid cysts of the kidney. Apropos of 43 confirmed cases] Horchani A, et al. J Urol (Paris) 1983;89(7):515-20 (Eng. Abstr.) (Fre)
[Clarification of the ultrasound features of benign kidney tumors. Apropos of 10 cases] Plainfossé MC, et al. J Urol (Paris) 1983;89(8):565-72 (Eng. Abstr.) (Fre)
[Study of bladder tumors using ultrasonics] Romero-Aguirre C, et al. J Urol (Paris) 1983;89(8):541-6 (Eng. Abstr.) (Fre)
[Echographic detection and treatment of fetal urinary tract malformations] Legraverend JM, et al. LARC Med 1984 Apr;4(4):215-8 (Eng. Abstr.) (Fre)
[Echotomography of hydatic cysts of the liver in children (apropos of a series of 42 cases)] Hamdouch M, et al. Maroc Med 1983 Jun;5(2):176-83 (Eng. Abstr.) (Fre)
[Exploration by high-resolution real-time ultrasonography of the parathyroid glands in 60 chronic hemodialysis. Preliminary results and comparison with other indices of secondary hyperparathyroidism] Moriniere P, et al. Nephrologie 1983;4(3):135-40 (Eng. Abstr.) (Fre)
[Ultrasound and atheromatous disease : current contribution of Doppler spectrum analysis in carotid stenoses] Lapierre F, et al. Neurochirurgie 1984;30(4):255-62 (Eng. Abstr.) (Fre)
[Echography in tumor pathology of the spleen: limitations and perspectives] Bruneton JN, et al. Nouv Rev Fr Hematol 1983;25(6):355-61 (Eng. Abstr.) (Fre)
[Diencephalic cachexia (A. Russel's syndrome). Apropos of 3 cases. Importance of transfontanelle ultrasonography] Lachaux A, et al. Pediatrie 1983 Sep;38(6):401-9 (Eng. Abstr.) (Fre)
[Measuring venous pressure with the Doppler technic: standardization of the method] Bartolo M, et al. Phlebologie 1984 Jan-Mar;37(1):97-101 (Eng. Abstr.) (Fre)
[Measuring venous pressure with the Doppler technic statistical data] Bartolo M, et al. Phlebologie 1984 Jan-Mar; 37(1):103-8 (Eng. Abstr.) (Fre)
[Thickening of the gallbladder wall following hepatic artery embolization. Value of ultrasonic monitoring (letter)] Bagni P, et al. Presse Med 1984 Feb 25;13(8):504-5 (Fre)
[Detection of asymptomatic cancers of the kidney in adults. Value of abdominal echography (letter)] Barbe YP, et al. Presse Med 1984 Jun 23;13(26):1632-3 (Fre)
[Peroperative echotomography in the surgery of liver tumors] Belghiti J, et al. Presse Med 1984 Sep 1-8; 13(30):1839-41 (Eng. Abstr.) (Fre)
[Peroperative echography in hepatobiliary surgery] Bismuth H, et al. Presse Med 1984 Sep 1-8;13(30):1819-22 (Eng. Abstr.) (Fre)
[Torsion of the spermatic cord: diagnosis by Doppler ultrasonography?] Bitker MO, et al. Presse Med 1983 Sep 10;12(31):1925-6 (Eng. Abstr.) (Fre)
[The umbilical vesicle and amniotic membrane (letter)] Blanc B, et al. Presse Med 1984 Jan 21;13(2):104 (Fre)
[Detection of a pancreatic insulinoma by intraoperative real-time echography (letter)] Chapuis Y, et al. Presse Med 1983 Nov 12;12(40):2535-6 (Fre)
[Localization of pheochromocytoma by scintigraphy and echography (letter)] Cheron G, et al. Presse Med 1984 Jul 14-21;13(29):1793 (Fre)
[Does echography resolve the problem of the diagnosis of early extra-uterine pregnancy? (letter)] Coussement A, et al. Presse Med 1983 Nov 26;12(43):2770 (Fre)
[Epidemiology of popliteal artery entrapment. An unusual pathology? (letter)] Laskar M, et al. Presse Med 1984 May 19;13(21):1337 (Fre)
[Exploration of the temporal arteries in Horton's disease using the Doppler effect (letter)] Liozon F, et al. Presse Med 1983 Oct 1;12(34):2113-4 (Fre)
[Deep venous thrombosis or ruptured popliteal cyst? Value of echotomography as the 1st examination (letter)] Maroko I, et al. Presse Med 1984 Jun 23;13(26):1631-2 (Fre)
[Diagnosis of irreversible coma. Value of Doppler carotid flow monitoring (letter)] Pilorget A, et al. Presse Med 1984 Feb 18;13(7):444-5 (Fre)
[Contribution of peroperative echography] Plainfosse MC, et al. Presse Med 1984 Sep 1-8;13(30):1815-7 (Fre)
[Carotid stenosis: early detection] Rohr J. Schweiz Med Wochenschr 1984 Jul 10;114(27-28):974-82 (Eng. Abstr.) (Fre)
[Echography in the surveillance of myocardial infarction during the acute phase] Grison D, et al. Schweiz Med Wochenschr [Suppl] 1984;16:34-7 (Eng. Abstr.) (Fre)
[Evaluation of left ventricular function and regional kinetics following myocardial infarction. Comparative study of angiocardiography, echography and radionuclide angiography] Muller JJ, et al. Schweiz Med Wochenschr [Suppl] 1984;16:50-4 (Eng. Abstr.) (Fre)
[Behavior of the functional reserve of the exocrine pancreas compared to its morphologico-echographic aspect in subjects recently recovered from acute pancreatitis] Lesi C, et al. Sem Hop Paris 1983 Nov 17;59(42):2885-8 (Eng. Abstr.) (Fre)
[Semiology of pseudotumoral forms of hydatid cyst of the liver. Apropos of 7 cases] Sansot M, et al. Sem Hop Paris 1983 Nov 24;59(43):2979-84 (Eng. Abstr.) (Fre)
[Normal and pathological ultrasonography of the fetal brain] Alvarez H, et al. Ultrasound Med Biol 1984 Jan-Feb; 10(1):61-77 (Eng. Abstr.) (Fre)
[Fetal biometry: review and application of sex determination] Levi S, et al. Ultrasound Med Biol 1984 Jan-Feb;10(1):51-9 (Eng. Abstr.) (Fre)
[Fetal heart. Present investigative means] Nisand I, et al. Ultrasound Med Biol 1984 Jan-Feb;10(1):79-105 (Eng. Abstr.) (Fre)
[From ultrasound to transparent images of the body: current perspectives] Dubuc G, et al. Union Med Can 1983 Oct; 112(10):945-52 (Eng. Abstr.) (Fre)
[Echographic symptomatology of gallstones: a proposed classification] Gélinas C, et al. Union Med Can 1984 Jan; 113(1):65-8, 75 (Eng. Abstr.) (Fre)
[Preoperative evaluation of cerebral ischemia by Doppler ultrasonography] Roussin A. Union Med Can 1984 Apr; 113(4):290-2 (Eng. Abstr.) (Fre)
[Relations of the ultrasonic image of the inferior vena cava and central venous pressure] Adler C, et al. Aktuel Gerontol 1983 Nov;13(6):209-13 (Eng. Abstr.) (Ger)
[The value of ultrasound diagnosis and computed tomography in gynecologic oncology] Jirouš J, et al. Arch Geschwulstforsch 1983;53(5):471-7 (Eng. Abstr.) (Ger)
[The importance of sonography in the examination of the infant hip] Graf R. Biomed Tech (Berlin) 1983 Nov; 28(11):257-63 (Eng. Abstr.) (Ger)
[Detection of presymptomatic stenoses in Göttingen minipigs with Doppler ultrasound] Stürm RP, et al. Biomed Tech (Berlin) 1984 Feb;29(1-2):6-10 (Eng. Abstr.) (Ger)
[Intraoperative sonography following endarterectomy of the carotid artery] Klotter HJ, et al. Chirurg 1984 May; 55(5):339-42 (Eng. Abstr.) (Ger)
[Non-occlusive insufficiency of the superior mesenteric artery in the low cardiac output syndrome. Sonographic findings and clinical course] Meiser G, et al. Chirurg 1984 Apr;55(4):288-90 (Ger)
[Acute reactive cholecystitis--sonographic objectivation of findings] Meiser G, et al. Chirurg 1983 Aug;54(8):550-1 (Ger)
[Intraoperative sonographic localization of insulinomas] Rückert K, et al. Chirurg 1983 Sep;54(9):589-91 (Eng. Abstr.) (Ger)
[Significance of sound beam thickness in real time sonography. In vitro and in vivo observations] Bönhof JA, et al. Computertomographie 1983 Mar;3(1):38-41 (Eng. Abstr.) (Ger)
[Bow artefact in B-image sonography] Bönhof JA, et al. Computertomographie 1983 Sep;3(3):133-7 (Eng. Abstr.) (Ger)
[Value of sonography in the control of pancreatic cancer] Brockmann WP, et al. Computertomographie 1982 Dec; 2(4):190-6 (Eng. Abstr.) (Ger)
[Transrectal prostatic sonography (TPS)] Frentzel-Beyme B, et al. Computertomographie 1982 Jun;2(2):68-75 (Eng. Abstr.) (Ger)
[Transrectal prostate sonography in early cancer recognition] Frentzel-Beyme B, et al. Computertomographie 1983 Dec; 3(4):153-8 (Eng. Abstr.) (Ger)
[Echographic diagnosis and localization of parathyroid gland adenomas] Maier W. Computertomographie 1981 Apr; 1(1):28-32 (Eng. Abstr.) (Ger)
[Value of sonography in the diagnosis of decompensated autonomous thyroid adenoma] Maier W, et al. Computertomographie 1981 Jun;1(2):59-61 (Eng. Abstr.) (Ger)
[Comparison of conventional radiology, ultrasound and computer tomography in the preoperative localization of intraocular foreign bodies] Markl A, et al. Computertomographie 1983 Dec;3(4):162-7 (Eng. Abstr.) (Ger)
[Pancreas tail pseudotumor--CT for the detection of position variants of the pancreas tail as a cause for pathologic findings in conventional radiographic and ultrasound studies] Neumann CH, et al. Computertomographie 1983 Jun;3(2):80-3 (Eng. Abstr.) (Ger)
[Current value of sonography in pancreas diagnosis] Triller J, et al. Computertomographie 1983 Mar;3(1):42-8 (Eng. Abstr.) (Ger)
[Sonography of vascular and biliary epigastric structures] Triller J, et al. Computertomographie 1981 Apr;1(1):21-7 (Eng. Abstr.) (Ger)
[Sonographic image of cholesterolosis of the gallbladder] Lammer J, et al. Digitale Bilddiagn 1984 Mar;4(1):23-5 (Eng. Abstr.) (Ger)
[Sonographic demonstration of an ectopic ureter orifice] Tölly E, et al. Digitale Bilddiagn 1984 Jun;4(2):63-5 (Eng. Abstr.) (Ger)
[Doppler frequency spectrum analysis of extracranial carotid artery lesions] Fischer M, et al. Dtsch Med Wochenschr 1984 Jun 15;109(24):947-50 (Eng. Abstr.) (Ger)
[Percutaneous, ultrasound-targeted fine-needle puncture biopsy (liver, pancreas, intestine) and ultrasound-targeted pancreatic duct puncture] Klann H, et al. Dtsch Med Wochenschr 1983 Oct 7;108(40):1503-7 (Eng. Abstr.) (Ger)
[Sonography in liver metastases of pancreatic cancer (letter)] Klapdor R, et al. Dtsch Med Wochenschr 1984 May 18; 109(20):807 (Ger)
[Intraoperative ultrasound studies in pancreatic surgery] Klotter HJ, et al. Dtsch Med Wochenschr 1983 Sep 30; 108(39):1463-8 (Eng. Abstr.) (Ger)
[Blood flow measurement in esophageal varices using an endoscopic Doppler ultrasonic probe] Kurtz W, et al. Dtsch Med Wochenschr 1984 May 25;109(21):821-4 (Eng. Abstr.) (Ger)
[Angiologic and prognostic evaluation of brain stem injuries. Clinical, doppler-sonographic and neuroradiological findings] Ringelstein EB, et al. Dtsch Med Wochenschr 1983 Oct 28;108(43):1625-31 (Eng. Abstr.) (Ger)
[Diagnostic accuracy of sonography in liver metastases, with special reference to the primary tumor] Schölmerich J, et al. Dtsch Med Wochenschr 1984 Mar 2;109(9):326-9 (Eng. Abstr.) (Ger)
[Sonographic localization of parathyroid adenomas in hyperparathyroidism] Utech C, et al. Dtsch Med Wochenschr 1984 Jul 13;109(28-29):1108-11 (Eng. Abstr.) (Ger)
[Measurement of residual urine in outpatient clinics with a small ultrasound device] Widder B, et al. Dtsch Med Wochenschr 1983 Oct 14;108(41):1552-5 (Eng. Abstr.) (Ger)
[Diagnosis of cholecystolithiasis (letter)] Wolpers C. Dtsch Med Wochenschr 1984 Apr 13;109(15):597 (Ger)
[Results of ultrasonic tomography in the diagnosis of gastrointestinal diseases] Busse HJ, et al. Dtsch Z Verdau Stoffwechselkr 1983;43(6):241-5 (Eng. Abstr.) (Ger)
[Echographic pregnancy determination with the VETOSCAN ultrasonic device--possibilities and limitations for its use in the bitch] Günzel AR, et al. DTW 1983 Oct 6;90(10):440-3 (Eng. Abstr.) (Ger)
[Risk assessment of ultrasonically guided fine needle puncture. Experimental studies in dogs] Otto R, et al. DTW 1984 May 7;91(5):178-82 (Eng. Abstr.) (Ger)
[Routine sonography as a screening method for occult abdominal diseases in children] Klotter HJ, et al. Fortschr Med 1983 Sep 8;101(34):1509-12 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis--a risk-free method?] Lutz H. Fortschr Med 1984 Mar 22;102(11):19-20 (Ger)
[Functional colon sonography in neuronal intestinal dysplasia. Report of 3 cases] Pistor G, et al. Fortschr Med 1984 Apr 12;102(14):397-400 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of operative complications] Reichel L, et al. Fortschr Med 1983 Jul 28;101(27-28):1275-7 (Ger)
[Ultrasound-guided percutaneous one-step nephrostomy] Schüller J, et al. Fortschr Med 1984 May 17;102(19):537-40 (Eng. Abstr.) (Ger)
[Endoscopic and echographic diagnosis of orbital fractures] Geyer G, et al. Fortschr Ophthalmol 1984;81(2):119-21 (Eng. Abstr.) (Ger)
[The role of standardized echography in the diagnosis and treatment of orbital myositis] Ossoinig KC, et al. Fortschr Ophthalmol 1983;80(6):475-81 (Eng. Abstr.) (Ger)
[Intrauterine ultrasonic tomography (IUT): comparison with macroscopic sections] Hötzinger H, et al. Geburtshilfe Fraunheilkd 1984 Apr;44(4):219-24 (Eng. Abstr.) (Ger)
[Early sonographic determination of hydatidiform mole with a simultaneously developed fetus] Wagner H, et al. Geburtshilfe Fraunheilkd 1984 May;44(5):325-7 (Eng. Abstr.) (Ger)
[Ultrasonic diagnosis] Gynakol Rundsch 1983;23 Suppl 3:5-42 (Ger)
[Ultrasonographic determination of ovulation] Borruto F, et al. Gynakol Rundsch 1983;23(3):160-5 (Ger)
[The pipette method for rapid karyotyping in sonographically suspected chromosome abnormalities] Claussen U, et al. Gynakologe 1984 Mar;17(1):33-40 (Ger)
[Specific sonographic exclusion diagnosis of fetal abnormalities in risk groups] Hansmann M, et al. Gynakologe 1984 Mar;17(1):19-32 (Ger)
[Sonographic diagnosis and therapeutic consequences of urinary tract abnormalities in the fetus] Heim K, et al. Gynakologe 1983 Dec;16(4):238-47 (35 ref.) (Ger)
[Sonographic determination of residual urine] Rageth JC, et al. Helv Chir Acta 1983 Jun;50(3):301-5 (Eng. Abstr.) (Ger)

[Sonographic findings in thyroid gland diseases] Pfannenstiel P. **Internist (Berlin)** 1983 Aug;24(8):460–6 (Ger)
[Prenatal ultrasonographic diagnosis of hydrothorax] Zanke S, et al. **Kinderarztl Prax** 1983 Jul;51(7):341–5 (Eng. Abstr.) (Ger)
[Echographic measurement of eyeball length in pseudophakic eyes] Artaria LG, et al. **Klin Monatsbl Augenheilkd** 1984 May;184(5):406–9 (Eng. Abstr.) (Ger)
[Ultrasonic Doppler sonography in ophthalmological practice (the Doppler retina)] Huismans H. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):138–41 (Eng. Abstr.) (Ger)
[Results of A-scan echography in diseases of the orbit] Nover A, et al. **Klin Monatsbl Augenheilkd** 1984 Mar; 184(3):168–70 (Eng. Abstr.) (Ger)
[Doppler sonography of extracranial cerebrovascular and peripheral arteries in arteriosclerosis risk factors and in coronary heart disease] Beyer J, et al. **Klin Wochenschr** 1984 Mar 15;62(6):278–83 (Eng. Abstr.) (Ger)
[Application possibilities of intraoperative sonography] Klotter HJ, et al. **Langenbecks Arch Chir** 1983;360(3):221–7 (Eng. Abstr.) (Ger)
[Sonographic evaluation of early, radiologically negative intestinal obstruction] Meiser G, et al. **Langenbecks Arch Chir** 1983;360(4):279–85 (Eng. Abstr.) (Ger)
[Endoscopically controlled ultrasound diagnosis of the paranasal sinuses] Bauer WJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Oct;62(10):443–5 (Eng. Abstr.) (Ger)
[Sonographic follow-up of endoscopic papillotomy, percutaneous transhepatic drainage and endoscopically implanted bile duct prosthesis] Greiner L, et al. **Leber Magen Darm** 1983 May;13(3):113–6 (Eng. Abstr.) (Ger)
[Resolution in sonography apparatus—what is it?] Bönhof JA. **Med Welt** 1983 Nov 4;34(44):1237–9 (Ger)
[Sonographic course control of chemotherapy in inoperable pancreatic cancer] Braun B. **Med Welt** 1984 Jan 13; 35(1–2):61–6 (Ger)
[What does sonography contribute in chronic abdominal pain?] Frank K, et al. **Med Welt** 1983 Nov 4;34(44):1244–7 (Ger)
[Diagnosis of chronic abdominal pain: what does sonography contribute?] Linhart P. **Med Welt** 1983 Nov 4;34(44):1232 (Ger)
[Significance of sonography in internal acute diagnosis] Schölmerich J, et al. **Med Welt** 1984 Jan 13;35(1–2):67–71 (Ger)
[Sonographic diagnosis in chronic and chronic recurring abdominal pain] Seitz K. **Med Welt** 1983 Nov 4; 34(44):1240–3 (Ger)
[Differential indications for sonography, 4. Ultrasonic study: the pancreas and spleen] Cabell R. **MMW** 1983 Sep 9; 125(36):86–7 (Ger)
[Differential indications for sonography, 2. Ultrasound study: the abdominal wall, liver] Cabell R. **MMW** 1983 Aug 26; 125(34):66–8 (Ger)
[Differential indications for sonography, 5. Ultrasound study: the kidneys and ureters, adrenal glands] Cabell R. **MMW** 1983 Sep 16;125(37):102–5 (Ger)
[Differential indications for sonography, 1. Ultrasound examination: general abdomen] Cabell R. **MMW** 1983 Jul 22;125(32–33):63–4 (Ger)
[Differential indications for sonography, 8. Ultrasound study: the brain and thyroid gland] Cabell R. **MMW** 1983 Oct 7;125(40):110–2 (Ger)
[Differential indications for sonography, 7. Ultrasound study: the lower abdomen and testis] Cabell R. **MMW** 1983 Sep 30;125(39):112–3 (Ger)
[Differential indications for sonography, 3. Ultrasound study: the gallbladder] Cabell R. **MMW** 1983 Sep 2;125(35):74 (Ger)
[Ultrasound examination: the gastrointestinal tract and large abdominal vessels] Cabell R. **MMW** 1983 Sep 23; 125(38):87–8 (Ger)
[Differential indications for sonography, 9. Ultrasound study: the breast and thorax (excluding the heart)] Cabell R. **MMW** 1983 Oct 14;125(41):136–8 (Ger)
[Ultrasonic diagnosis in children with mesenteric cysts] Staudt F, et al. **Monatsschr Kinderheilkd** 1983 Oct; 131(10):725–8 (Eng. Abstr.) (Ger)
[Artifacts in A and B-scan echograms following the implantation of artificial lenses] Scherer U, et al. **Ophthalmologica** 1983;187(4):192–5 (Eng. Abstr.) (Ger)
[Sonographic control of the cerebral ventricle system in children with myelodysplasia] Schwalbe J, et al. **Padiatr Grenzgeb** 1983;22(5):373–82 (Eng. Abstr.) (Ger)
[Diagnosis and clinical course of cerebral hemorrhage in infants based on sonography] Deeg KH, et al. **Padiatr Padol** 1984;19(1):25–34 (Eng. Abstr.) (Ger)
[Sonographic diagnosis and follow-up study of a congenital brain tumor] Deeg KH, et al. **Padiatr Padol** 1984; 19(2):185–92 (Eng. Abstr.) (Ger)
[Ultrasound echography (A-scan) of the cerebral ventricles in newborn infants: its relation to the degree of maturity and clinical significance] Laub MC, et al. **Padiatr Padol** 1984;19(2):145–51 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of nephrourologic diseases in infants and childhood] Maurer G, et al. **Padiatr Padol** 1983; 18(4):335–45 (Eng. Abstr.) (Ger)
[Conventional roentgen procedures, sonography and computer tomography in pleural diseases] Kleine P, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:798–9 (Ger)
[Significance of sonography in the diagnosis and course observation of pleural effusion] Lepthin HJ, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:872–4 (Ger)
[Contribution of 2-dimensional sonography with fast B-image to the diagnosis of thoracic diseases] Ranft K, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:875–83 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis of the thorax] Schlehe H. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:764–7 (Eng. Abstr.) (Ger)
[Ultrasound-directed tumor puncture and bronchoalveolar lavage in real time B-scanning technic] Sommersgutter M, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:871 (Eng. Abstr.) (Ger)
[Renal tuberculosis with reference to therapy, immunology, ultrasound diagnosis and hemodialysis treatment] Strauss I. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:470–2 (Eng. Abstr.) (Ger)
[Combined use of hepatobiliary function scintigraphy and sonography to clarify complications after cholecystectomy] Pink V, et al. **Radiobiol Radiother (Berl)** 1984;25(2):325–34 (Eng. Abstr.) (Ger)
[Sonography and computed tomography in postoperative abdominal abscesses] Voegeli E, et al. **Radiologe** 1984 Feb; 24(2):90–4 (Eng. Abstr.) (Ger)
[Noninvasive determination by Doppler flow velocity recording of changes in peripheral resistance during epidural anesthesia] Pasch T, et al. **Reg Anaesth** 1984 Apr; 7(2):51–5 (Eng. Abstr.) (Ger)
[Dystopic cake kidney in the Klippel-Feil syndrome. Its sonographic diagnosis] Axmann K Jr, et al. **ROFO** 1984 May;140(5):617–8 (Ger)
[Sonography and lingual thyroid] Becker W, et al. **ROFO** 1984 Apr;140(4):476–7 (Ger)
[Advances in the early diagnosis of congenital hip dysplasia by real-time sonography] Brockmann WP, et al. **ROFO** 1984 May;140(5):555–60 (Eng. Abstr.) (Ger)
[Computer tomographic and sonographic diagnosis and control in malignant lymphoma of the stomach] Crone-Münzebrock W, et al. **ROFO** 1983 Dec; 139(6):676–80 (Eng. Abstr.) (Ger)
[Comparative histopathologic and sonomorphological prostate studies] Egender G, et al. **ROFO** 1984 Jan; 140(1):60–6 (Eng. Abstr.) (Ger)
[Compound technic: the effect on lateral resolution, acoustic shadowing and the detection threshold of calculi] Fiegler W. **ROFO** 1984 May;140(5):596–600 (Eng. Abstr.) (Ger)
[Focal liver diseases. Comparative study of computed tomography, conventional ultrasound and the automated multisector scanner (Octoson)] Fiegler W, et al. **ROFO** 1984 Jul;141(1):71–4 (Eng. Abstr.) (Ger)
[Comparison of computed tomography, automated multisector scanner (Octoson) and conventional ultrasound in pancreatic diseases] Fiegler W, et al. **ROFO** 1984 Jan; 140(1):50–3 (Eng. Abstr.) (Ger)
[Sonography of the efferent urinary tract. Suprapubic and intravesical methods] Frentzel-Beyme B, et al. **ROFO** 1984 Jan;140(1):54–60 (Eng. Abstr.) (Ger)
[Value of sonography, computed tomography and angiography in adrenal diagnosis] Georgi M, et al. **ROFO** 1984 Apr;140(4):373–9 (Eng. Abstr.) (Ger)
[Confirmation of the T classification of bladder tumors by transcutaneous sonography, intra-vesical sonography and computer tomography] Greiner KG, et al. **ROFO** 1983 Nov;139(5):510–5 (Eng. Abstr.) (Ger)
[Computer-aided evaluation of ultrasonic images of the thyroid] Held P, et al. **ROFO** 1984 Aug;141(2):185–91 (Eng. Abstr.) (Ger)
[Initial results with the use of 'contrast media', the so-called sonographica, for ultrasound examination of the upper abdomen] Helzel MV. **ROFO** 1984 Mar;140(3):337–40 (Eng. Abstr.) (Ger)
[Sonographic imaging of the ascending lumbar vein and the cisterna chyli or lumbar trunks] Helzel MV. **ROFO** 1984 Feb;140(2):172–4 (Eng. Abstr.) (Ger)
[Intrauterine ultrasonic tomography] Hötzinger H, et al. **ROFO** 1984 Jan;140(1):66–8 (Eng. Abstr.) (Ger)
[Adenomyomatosis and cholesterol polyps of the gallbladder. A comparison of radiological and sonographic diagnosis] Jenett M, et al. **ROFO** 1984 May;140(5):524–31 (Eng. Abstr.) (Ger)
[Rare computed tomographic and sonographic findings in epithelial body tumors. Report on 2 cases] König R, et al. **ROFO** 1984 Mar;140(3):303–7 (Eng. Abstr.) (Ger)
[10-MHz-B-scan sonography of the cervical carotid arteries] Kuhn FP, et al. **ROFO** 1984 Jun;140(6):677–83 (Eng. Abstr.) (Ger)
[Computer tomographic and sonographic diagnosis of diaphragmatic hernias] Kurtz B, et al. **ROFO** 1983 Nov; 139(5):502–10 (Eng. Abstr.) (Ger)
[Accuracy in the diagnosis of renal masses. Computed tomography, sonography, urography, angiography] Lackner K, et al. **ROFO** 1984 Apr;140(4):363–72 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of peritoneal carcinosis] Lorenz R, et al. **ROFO** 1984 Feb;140(2):168–72 (Eng. Abstr.) (Ger)
[Sonography of the superior mesenteric artery. Normal anatomy variations and value for the analysis of retroperitoneal space occupying processes] Neufang KF, et al. **ROFO** 1983 Dec;139(6):672–6 (Eng. Abstr.) (Ger)
[Sonographic and computer tomographic findings in congenital hernia of the abdominal wall with malrotation] Piechowiak H, et al. **ROFO** 1983 Nov;139(5):580–1 (Ger)
[Sonographic detection of a stenosis of the celiac trunk in a 14-year-old girl] Ponhold W, et al. **ROFO** 1984 Apr; 140(4):471–3 (Ger)
[Status of sonography versus roentgen and computed tomography in the diagnosis of nephrocalcinosis] Schumacher R, et al. **ROFO** 1984 Jul;141(1):75–9 (Eng. Abstr.) (Ger)
[Early sonographic diagnosis of mechanical ileus of the small intestine] Stellamor K, et al. **ROFO** 1983 Dec;139(6):701–2 (Ger)
[Echo-rich solid kidney tumors in ultrasonic tomography] Struve C, et al. **ROFO** 1983 Dec;139(6):696–8 (Ger)
[Sonographic visualization of the left ovarian vein. A contribution to the diagnosis of compression syndrome of the left renal vein] Tölly E, et al. **ROFO** 1984 Aug; 141(2):195–8 (Eng. Abstr.) (Ger)
[Prenatal diagnosis of the Dandy-Walker syndrome using sonography and computed tomography] Tölly E, et al. **ROFO** 1984 Jul;141(1):40–3 (Eng. Abstr.) (Ger)
[Floating tumor thrombus extending into the right atrium in hypernephroma—sonographic demonstration] Umek H, et al. **ROFO** 1984 Apr;140(4):475–6 (Ger)
[Value of ultrasound in screening for liver metastases and liver involvement in malignant systemic disease] Vatter J, et al. **ROFO** 1984 Feb;140(2):162–7 (Eng. Abstr.) (Ger)
[Mammographic and sonographic appearances of traumatic changes in the female breast] Wolf G, et al. **ROFO** 1984 Aug;141(2):204–8 (Eng. Abstr.) (Ger)
[Testicular tumor staging: the ranking of CT and ultrasonic diagnosis] Hruby W, et al. **Rontgenblatter** 1984 Apr; 37(4):123–6 (Eng. Abstr.) (Ger)
[Ultrasound in the diagnosis of malignant lymphomas] Kimmig B, et al. **Rontgenblatter** 1984 Feb;37(2):57–60 (Eng. Abstr.) (Ger)
[Sonographic image of intrarenal and intra-arterial fungus thrombi in a newborn infant with Candida infection] Reither M, et al. **Rontgenblatter** 1983 Oct;36(10):336–41 (Eng. Abstr.) (Ger)
[Lipoma of the liver – a rate differential diagnosis of echogenic liver lesions] Schreyer T, et al. **Rontgenblatter** 1984 Mar;37(3):109–10 (Eng. Abstr.) (Ger)
[Sonographic detection and the clinical significance of the left retrosortal renal vein] Tismer R, et al. **Rontgenblatter** 1984 Apr;37(4):146–9 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis of the child's skull using the automated multisector scanner (Octoson)] Fiegler W, et al. **Rontgenpraxis** 1983 Sep;36(9):295–300 (Ger)
[Transrectal ultrasound tomography of the female genitals: initial results] Hötzinger H, et al. **Rontgenpraxis** 1983 Nov; 36(11):387–91 (Ger)
[Sonography for the preoperative localization of islet cell tumor] Kuhn FP, et al. **Rontgenpraxis** 1984 Feb;37(2):58–61 (Ger)
[Possibilities and limits of the early diagnosis of breast cancer using ultrasound mammography] von Lauth G, et al. **Rontgenpraxis** 1984 Feb;37(2):62–5 (Ger)
[Ultrasonic diagnosis of ovarian carcinoma] Herrmann U Jr, et al. **Schweiz Med Wochenschr** 1983 Oct 22;113(42):1544–9 (Eng. Abstr.) (Ger)
[What does computer tomography and abdominal ultrasound studies accomplish in the staging of Hodgkin's disease?] Honegger HP, et al. **Schweiz Med Wochenschr** 1984 Apr 7;114(14):475–81 (Eng. Abstr.) (Ger)
[Percutaneous ultrasonic-guided nephropyelostomy in tumor-caused block of urinary outflow] Heckemann R, et al. **Strahlentherapie** 1984 Feb;160(2):104–7 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis of kidney abnormalities] Anderegg LA. **Ultraschall Med** 1983 Sep;4(3):160–5 (Eng. Abstr.) (Ger)
[Sonography of coagulating blood: experimental and clinical findings] Aufschnaiter M. **Ultraschall Med** 1983 Jun; 4(2):110–3 (Eng. Abstr.) (Ger)
[Modification of cycle-dependent changes in the uterus by the intake of hormonal contraceptives] Bartl W, et al. **Ultraschall Med** 1984 Apr;5(2):74–6 (Eng. Abstr.) (Ger)
[Double images in B-mode sonography due to acoustic dispersion lenses] Bönhof JA, et al. **Ultraschall Med** 1984 Apr;5(2):63–5 (Eng. Abstr.) (Ger)
[Sonographic findings in a hemangiopericytoma of the stomach. Case report] Bönhof JA, et al. **Ultraschall Med** 1983 Mar;4(1):49–51 (Eng. Abstr.) (Ger)
[Intrauterine diagnosis of holoprosencephaly] Bonilla-Musoles F, et al. **Ultraschall Med** 1984 Feb; 5(1):24–8 (Eng. Abstr.) (Ger)
['Maturation' of the intestine during pregnancy: successive observation with ultrasound] Bonilla-Musoles F, et al. **Ultraschall Med** 1983 Jun;4(2):114–8 (Eng. Abstr.) (Ger)
[Multiple image artifacts with linear sonic transducers] Born HJ, et al. **Ultraschall Med** 1984 Apr;5(2):56–62 (Eng. Abstr.) (Ger)
[A new fine needle biopsy technic in histologic diagnosis—preliminary case report] Brambs HJ, et al. **Ultraschall Med** 1984 Jun;5(3):111–6 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of urine flow disorders in childhood] Dinkel E, et al. **Ultraschall Med** 1983 Sep;4(3):166–73 (Eng. Abstr.) (Ger)
[Clinical significance of the dilated common bile duct in the

sonogram] Dünser E, et al. **Ultraschall Med** 1983 Jun; 4(2):106–9 (Eng. Abstr.) (Ger)
[The size of the gallbladder in acute viral hepatitis] Eberle F, et al. **Ultraschall Med** 1984 Jun;5(3):108–10 (Eng. Abstr.) (Ger)
[Sonography and endoscopy as complementary study methods. Case report] Farrenkopf E. **Ultraschall Med** 1983 Mar;4(1):52–6 (Eng. Abstr.) (Ger)
[A new simple procedure for immersion sonography of the scrotal contents in real time technic. II: contribution to the differential diagnosis of diseases of the scrotal contents] Fischer P, et al. **Ultraschall Med** 1983 Mar;4(1):15–20 (Eng. Abstr.) (Ger)
[Sonographic determination of spleen size and spleen weight] Frank K, et al. **Ultraschall Med** 1984 Jun;5(3):104–7 (Eng. Abstr.) (Ger)
[The perforated gallbladder in sonography] Gabriel HJ. **Ultraschall Med** 1984 Jun;5(3):122–5 (Eng. Abstr.) (Ger)
[Sonographically guided and intraoperative alcohol block of the celiac ganglia in conservatively uncontrollable cancer-induced epigastric pain] Greiner L, et al. **Ultraschall Med** 1983 Mar;4(1):57–9 (Eng. Abstr.) (Ger)
[Measurement of blood flow velocity, blood volume flow and arterial cross section using the integral Doppler ultrasonic method—comparison and synthesis of two solutions] Hassler D. **Ultraschall Med** 1982 Mar;3(1):24–9 (Eng. Abstr.) (Ger)
[Section planes of sonographic epigastric diagnosis. Suggestion for standardization and codes in photodocumentation] Helgenberger H. **Ultraschall Med** 1983 Mar;4(1):60–1 (Eng. Abstr.) (Ger)
[Digital analysis of ultrasound M images for determining the dynamic behavior of the posterior ocular wall] Irion KM, et al. **Ultraschall Med** 1984 Jun;5(3):126–30 (Eng. Abstr.) (Ger)
[The pathologic urinary bladder in the sonographic image] Jaeger N, et al. **Ultraschall Med** 1983 Jun;4(2):98–105 (Eng. Abstr.) (Ger)
[Ultrasound-assisted percutaneous blind puncture of the liver] Judmaier G, et al. **Ultraschall Med** 1983 Jun;4(2):81–4 (Eng. Abstr.) (Ger)
[Amebic liver abscess: sonographic and clinical observations on 20 patients] Kern P, et al. **Ultraschall Med** 1982 Mar; 3(1):7–11 (Eng. Abstr.) (Ger)
[Sonographic studies of gallbladder kinetics in childhood—a comparison between healthy and mucoviscidosis patients] Klingmüller V, et al. **Ultraschall Med** 1983 Mar;4(1):37–41 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of liquid or calcified processes of the liver] Kübler M. **Ultraschall Med** 1983 Mar;4(1):42–6 (Eng. Abstr.) (Ger)
[Ultrasound computer tomography—new image-producing possibilities] Mulz D, et al. **Ultraschall Med** 1984 Feb; 5(1):11–3 (Eng. Abstr.) (Ger)
[Computer-assisted evaluation of ultrasound images of the prostate] Nauth P, et al. **Ultraschall Med** 1984 Feb;5(1):6–10 (Eng. Abstr.) (Ger)
[Location resolving sound impulse transit time measurements] Newiger H, et al. **Ultraschall Med** 1983 Mar;4(1):62–4 (Eng. Abstr.) (Ger)
[Indications for ultrasound-guided fine needle puncture under permanent view. 1. Diagnostic puncture] Otto RC. **Ultraschall Med** 1983 Jun;4(2):72–6 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of the bile ducts in childhood] Peters H, et al. **Ultraschall Med** 1983 Sep;4(3):147–53 (Eng. Abstr.) (Ger)
[Sonographic artifacts of round reflectors] Pochhammer KF, et al. **Ultraschall Med** 1984 Apr;5(2):70–3 (Eng. Abstr.) (Ger)
[Sonography and the length of the pancreas] Pochhammer KF, et al. **Ultraschall Med** 1982 Mar;3(1):2–3 (Eng. Abstr.) (Ger)
[Gray-level histogram analysis in the sonographic diagnosis of diffuse parenchymal liver disease] Räth U, et al. **Ultraschall Med** 1984 Jun;5(3):94–7 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of abdominal tumors in childhood] Reither M, et al. **Ultraschall Med** 1983 Sep;4(3):139–46 (Eng. Abstr.) (Ger)
[Doppler sonography of the extracranial cerebral arteries: primarily a didactic problem] Ringelstein EB, et al. **Ultraschall Med** 1983 Sep;4(3):182–7 (Eng. Abstr.) (Ger)
[Significance of sonographic course controls in acute pancreatitis] Schölmerich J, et al. **Ultraschall Med** 1983 Mar;4(1):31–6 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis following blunt abdominal injury in childhood] Schulz RD, et al. **Ultraschall Med** 1983 Sep; 4(3):154–9 (Eng. Abstr.) (Ger)
[Sonographic detection of free air in the abdominal cavity] Seitz K, et al. **Ultraschall Med** 1982 Mar;3(1):4–6 (Eng. Abstr.) (Ger)
[Accuracy of sonography in the diagnosis of diffuse liver parenchymal diseases—comparison of sonography and liver histology] Steinmaurer HJ, et al. **Ultraschall Med** 1984 Jun; 5(3):98–103 (Eng. Abstr.) (Ger)
[Endosonography using a gastrofiberscope] Strohm WD, et al. **Ultraschall Med** 1984 Jun;5(3):84–93 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of malignant small intestine carcinoid tumor. A case report] Swobodnik W, et al. **Ultraschall Med** 1983 Mar;4(1):47–8 (Eng. Abstr.) (Ger)
[Sonography of gallbladder kinetics during cholagogue therapy] Tympner F. **Ultraschall Med** 1984 Jun;5(3):131–3 (Eng. Abstr.) (Ger)
[Sonographic measurement of gastric emptying time] Tympner F, et al. **Ultraschall Med** 1982 Mar;3(1):15–7 (Eng. Abstr.) (Ger)
[Changes in the vena cava in kidney tumors: sonography or cavography?] Umek H, et al. **Ultraschall Med** 1984 Feb; 5(1):33–8 (Eng. Abstr.) (Ger)
[Expanding cystoscopic diagnosis by intravesical sonography] Walther V, et al. **Ultraschall Med** 1983 Mar; 4(1):2–6 (Ger)
[Frequency of kidney cyst wall cancer—results of 22,000 ultrasound studies] Weiss H, et al. **Ultraschall Med** 1983 Mar;4(1):24–30 (Eng. Abstr.) (Ger)
[Pediatric sonography] Weitzel D. **Ultraschall Med** 1983 Sep; 4(3):124–8 (Eng. Abstr.) (Ger)
[Staging of testicular cancer by ultrasound and tumor markers with special respect to stage I and IIA] Behrendt H, et al. **Urol Int** 1983;38(5):279–84 (Eng. Abstr.) (Ger)
[Hemodynamic studies on varicocele using bidirectional ultrasound Doppler sonography] Gall H. **Urologe [Ausg A]** 1983 Nov;22(6):436–42 (Eng. Abstr.) (Ger)
[Value of intravesical ultrasound tomography and computer tomography in the evaluation of the depth of infiltration of bladder tumors] Rothauge CF, et al. **Urologe [Ausg A]** 1984 Mar;23(2):117–20 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis of venous tumor thrombi in kidney cancer. A prospective study] Schwerk WB, et al. **Urologe [Ausg A]** 1984 Jul;23(4):214–8 (Eng. Abstr.) (Ger)
[Noninvasive diagnosis of early arteriosclerotic carotid lesions using the duplex system] Hennerici M. **Vasa** 1983; 12(3):228–32 (Eng. Abstr.) (Ger)
[Clinical experiences with Doppler sonography in the supra-aortal region] Reimer F, et al. **Vasa** 1983; 12(4):367–72 (Eng. Abstr.) (Ger)
[Sonographic diagnosis of channel pelvis] Bartl W, et al. **Wien Klin Wochenschr** 1984 Apr 13;96(8):276–9 (Eng. Abstr.) (Ger)
[Initial results of echographic staging in cervical cancer] Bernaschek G, et al. **Wien Klin Wochenschr** 1984 Apr 13; 96(8):286–9 (Eng. Abstr.) (Ger)
[Ultrasonics and computerized tomography in the diagnosis of large cavernous hemangiomas of the liver] Knoflach P, et al. **Wien Klin Wochenschr** 1984 Mar 30;96(7):266–9 (Eng. Abstr.) (Ger)
[Diagnostic sonography of the female breast] Kratochwil A. **Wien Klin Wochenschr** 1983 Oct 28;95(20):742–8 (Eng. Abstr.) (Ger)
[Sonography and scintigraphy in the differential diagnosis of diffuse liver parenchymal diseases] Sommer G, et al. **Wien Klin Wochenschr** 1984 Apr 27;96(9):349–53 (Eng. Abstr.) (Ger)
[Sonographic study of the liver, gallbladder and bile ducts] Czermak H. **Wien Med Wochenschr** 1983 Oct 31; 133(19–20):477–82 (Eng. Abstr.) (Ger)
[Cerebrovascular insufficiency: full diagnosis or ultrasonics alone?] Hammer B, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):287–90 (Eng. Abstr.) (Ger)
[Achievements of ultrasonics] Judmaier G. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):470 (Ger)
[What is accomplished by sonographic studies of the kidneys?] Judmaier G, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):494–501 (Eng. Abstr.) (Ger)
[What does the Doppler ultrasonic technic accomplish in angiology?] Kaliman J, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):529–34 (Eng. Abstr.) (Ger)
[Sonographic study of the spleen and retroperitoneal space-occupying masses] Kathrein H, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):489–94 (Eng. Abstr.) (Ger)
[Ultrasonically guided fine-needle biopsy] Knoflach P, et al. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):514–9 (Eng. Abstr.) (Ger)
[Obstetric and gynecologic ultrasonic diagnosis] Kratochwil A. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):501–6 (Eng. Abstr.) (Ger)
[Liver metastases: sonography or scintigraphy? A comparative prospective study] Lammer J, et al. **Wien Med Wochenschr** 1983 Sep 15;133(17):433–6 (Eng. Abstr.) (Ger)
[Doppler sonography after extra-intracranial anastomosis operations] Migl F, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):290–1 (Eng. Abstr.) (Ger)
[Special fields in sonography: the thyroid, breast and testes] Schneider G. **Wien Med Wochenschr** 1983 Oct 31; 133(19–20):507–13 (Eng. Abstr.) (Ger)
[Sonographic study of the pancreas and the large epigastric vessels] Steinmaurer HJ. **Wien Med Wochenschr** 1983 Oct 31;133(19–20):483–8 (Eng. Abstr.) (Ger)
[Diagnostic value of Doppler sonography in acute urologic disease pictures in the scrotal area] Heynemann H, et al. **Z Arztl Fortbild (Jena)** 1984;78(5):203–5 (Ger)
[When are ultrasonic tomography and computer tomography necessary in the diagnosis of tumors?] Rotte KH, et al. **Z Arztl Fortbild (Jena)** 1983;77(13):550–4 (Ger)
[Correlation between endoscopic biopsy findings and sonograms of the abdomen in stomach cancer] Allmendinger G, et al. **Z Gastroenterol** 1984 Feb;22(2):62–5 (Eng. Abstr.) (Ger)
[Diagnosis of cavernomatous transformation of the portal vein] Braun B, et al. **Z Gastroenterol** 1984 May;22(5):244–9 (Eng. Abstr.) (Ger)
[Gallbladder sludge: a sonographically recognizable stage of lithogenesis] Eberle F, et al. **Z Gastroenterol** 1984 Feb; 22(2):82–7 (Eng. Abstr.) (Ger)
[Ultrasound tomography of the liver and its diseases] Strohm WD. **Z Gastroenterol** 1984 May;22(5):221–35 (213 ref.) (Eng. Abstr.) (Ger)
[Sonographic study of the effect of hyoscin-N-butylbromide on cholecystokinin stimulated gallbladder motility] Wagner T, et al. **Z Gastroenterol** 1984 Jun;22(6):305–10 (Eng. Abstr.) (Ger)
[Epiphyseal centers in the knee area – a sonographic and radiologic comparison] Bernaschek G, et al. **Z Geburtshife Perinatol** 1983 Sep–Oct;187(5):250–3 (Eng. Abstr.) (Ger)
[Thanatophoric dwarfism – prenatal diagnosis of a fatal form of osteochondrodysplasia using ultrasound] Merz E, et al. **Z Geburtshife Perinatol** 1983 Nov–Dec;187(6):289–92 (Eng. Abstr.) (Ger)
[Ultrasound tomography of the gallbladder as a diagnostic alternative to radiography from the radiobiological viewpoint] Wuschech H, et al. **Z Gesamte Hyg** 1984 Jan; 30(1):49–50 (Eng. Abstr.) (Ger)
[Diagnostic possibilities and limitations of sonography in nephrology] Bauer J, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):200–1 (Eng. Abstr.) (Ger)
[Initial results of a combined sonographic and cytologic diagnosis of scintigraphically remarkable thyroid changes using real-time visual puncture] Bittersohl A, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):524–8 (Eng. Abstr.) (Ger)
[Results of sonographic kidney diagnosis] Dutz W, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):198–201 (Eng. Abstr.) (Ger)
[Value of sonographic representation of the portal artery in clinical practice] Fuchs KF, et al. **Z Gesamte Inn Med** 1983 Oct 1;38(19):194–5 (Eng. Abstr.) (Ger)
[Prenatal ultrasonic diagnosis of malformations and their surgical consequences—a new chapter in pediatric surgery] Hofmann V, et al. **Z Kinderchir** 1983 Jun;38(3):145–51 (Eng. Abstr.) (Ger)
[Breast sonography: technic and results] Friedrich M. **Z Lymphol** 1983 Dec;7(2):104–14 (Ger)
[The sonographic evaluation of hip dysplasia using convexity diagnosis] Graf R. **Z Orthop** 1983 Nov–Dec;121(6):693–702 (Eng. Abstr.) (Ger)
[Sonographic control of the clinical course of hip development disorders] Schuler P, et al. **Z Orthop** 1984 Mar–Apr;122(2):136–41 (Eng. Abstr.) (Ger)
[Ultrasound-Doppler analysis of arterial blood flow before and after cryotherapy] Beste KW, et al. **Z Rheumatol** 1984 Mar–Apr;43(2):66–74 (Eng. Abstr.) (Ger)
[Sonographic criteria for the choice of therapy in malignant pancreatic tumors] Aufschnaiter M. **Zentralbl Chir** 1983; 108(15):979–83 (Ger)
[How reliable is non-invasive measuring of central venous pressure using the Doppler ultrasound probe?] Wayand W, et al. **Zentralbl Chir** 1983;108(18):1137–43 (Eng. Abstr.) (Ger)
[Consequence of pathologic ultrasound findings in pregnant women. A contribution to the diagnosis of abnormalities using ultrasound] Dalicho FH. **Zentralbl Gynakol** 1983; 105(23):1512–21 (Eng. Abstr.) (Ger)
[Diagnosis of follicle maturation and ovulation following hormonal stimulation using ultrasonography] Elling D, et al. **Zentralbl Gynakol** 1984;106(6):353–8 (Eng. Abstr.) (Ger)
[Use of ultrasonic folliculometry and LH determination in artificial insemination with donor semen] Glander HJ, et al. **Zentralbl Gynakol** 1984;106(12):827–33 (Eng. Abstr.) (Ger)
[Diagnosis of extrauterine pregnancy with special reference to ultrasound diagnosis and abdominal pregnancy] Hahmann K, et al. **Zentralbl Gynakol** 1983;105(14):913–22 (Eng. Abstr.) (Ger)
[Sonographically evident changes in placental structures in pregnancy. 1] Lückert G, et al. **Zentralbl Gynakol** 1983; 105(15):997–1001 (Eng. Abstr.) (Ger)
[Fetal movement patterns in the external cardiotocography and their interpretation by simultaneous ultrasound observation] Prenzlau P, et al. **Zentralbl Gynakol** 1983; 105(15):972–6 (Eng. Abstr.) (Ger)
[Sonographic demonstration of intrafetal cysts and their differential diagnosis] Prenzlau P, et al. **Zentralbl Gynakol** 1983;105(15):982–8 (Eng. Abstr.) (Ger)
[Transcervical chorion frondosum excision with ultrasound image. Preliminary report] Trelt P, et al. **Zentralbl Gynakol** 1983;105(15):989–92 (Eng. Abstr.) (Ger)
[Obstructive jaundice—strategy] Pierach CA, et al. **ZFA (Stuttgart)** 1983 Nov 30;59(33):1847–51 (Ger)
[The combined use of echocardiography and Doppler studies in the clinical diagnosis of modern up-to-date cardiology] Grenadier E, et al. **Harefuah** 1984 May 1;106(9):420–4 (Heb)
[Prenatal ultrasonic diagnosis of occipital encephalocele] Meizner I, et al. **Harefuah** 1984 Mar 15;106(6):263 (Eng. Abstr.) (Heb)
[Ultrasonic examination of the thyroid gland] Gönczi J, et

al. **Orv Hetil** 1984 Jul 15;125(29):1759–62 (Eng. Abstr.) **(Hun)**

[Expectations (and doubts) about the value of prenatal ultrasonic diagnosis in intrauterine and neonatal surgery] Pintér A. **Orv Hetil** 1984 Feb 26;125(9):509–12 (Eng. Abstr.) **(Hun)**

[Prenatal ultrasonic diagnosis of omphalocele] Tóth Z, et al. **Orv Hetil** 1984 Jun 17;125(25):1501–4, 1507 (Eng. Abstr.) **(Hun)**

[Instrumental diagnosis of deep venous thrombosis. Prospective study with non-invasive methods] Pini M, et al. **Acta Biomed Ateneo Parmense** 1983;54(5–6):417–26 (Eng. Abstr.) **(Ita)**

[Correlations between Doppler velocimetry, arteriography and intraoperative findings in the study of carotid vascular diseases] Saccani S, et al.
Acta Biomed Ateneo Parmense 1983;54(4):323–8 (Eng. Abstr.) **(Ita)**

[Value of angiography and echotomography in injuries of the spleen] Ugolotti U, et al.
Acta Biomed Ateneo Parmense 1983;54(4):301–10 (Eng. Abstr.) **(Ita)**

[Current status of A and B-scan echography in sinus pathology] Fedriga P, et al. **Acta Otorhinolaryngol Ital** 1984 Mar–Apr;4(2):195–205 (Eng. Abstr.) **(Ita)**

[Vertebro-basilar deprivation nystagmus and vertebral Doppler sonography (Contribution to the early diagnosis of vertebro-basilar insufficiency)] Vicini C, et al.
Acta Otorhinolaryngol Ital 1983 Sep–Oct;3(5):503–11 (Eng. Abstr.) **(Ita)**

[Diagnostic contribution of echography in the surgical indications in the so called 'excluded gallbladder'] Boscaini M, et al. **Ann Ital Chir** 1983;55(5):499–507 **(Ita)**

[Role of Doppler ultrasonography in abdominal surgery. Experimental results] Ucchino S, et al. **Ann Ital Chir** 1983; 55(3):309–14 (Eng. Abstr.) **(Ita)**

[Laparoscopy and echography in the diagnosis of ectopic pregnancy. Description of 215 cases] Bertulessi C, et al. **Ann Ostet Ginecol Med Perinat** 1983 Nov–Dec; 104(6):396–407 (Eng. Abstr.) **(Ita)**

[Role of pelvic echotomography in the differential diagnosis of ovarian tumors] Bruno P, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):89–114 (Eng. Abstr.) **(Ita)**

[Importance of echotomography in the diagnosis of non-gynecological endopelvic tumors: considerations on 2 cases of ectopic kidneys] Raimondo A, et al.
Arch Ostet Ginecol 1982 May–Aug;87(3–4):79–87 (Eng. Abstr.) **(Ita)**

[Echography in the evaluation of the therapeutic response in malignant tumors of the ovary] Sampaolo P, et al.
Arch Ostet Ginecol 1982 Sep–Dec;87(5–6):247–53 (Eng. Abstr.) **(Ita)**

[Doppler diagnosis in the localization of incompetent perforating veins] Alberti D, et al.
Arch Sci Med (Torino) 1983 Oct–Dec;140(4):357–9 (Eng. Abstr.) **(Ita)**

[Evaluation of the Doppler-pulse volume recorder in Raynaud's phenomenon] Sciannameo F, et al.
Arch Sci Med (Torino) 1983 Oct–Dec;140(4):353–6 (Eng. Abstr.) **(Ita)**

[Correlation of monodimensional echocardiography and Doppler ultrasonography in the non-invasive evaluation of aortic insufficiency] Neri G, et al.
Boll Soc Ital Cardiol 1982;27(8):807–12 **(Ita)**

[Study of peripheral arterial flow using the Doppler method in patients with aortic insufficiency] Rossi M, et al.
Boll Soc Ital Cardiol 1983 Jan;28(1):47–54 (Eng. Abstr.) **(Ita)**

[Usefulness of the Doppler technic in the diagnosis of tricuspid insufficiency: preliminary study] Rossi M, et al.
Boll Soc Ital Cardiol 1983 Jan;28(1):41–6 (Eng. Abstr.) **(Ita)**

[Diagnosis and evaluation of varicocele by Doppler ultrasonography] Benignetti G, et al. **Clin Ter** 1984 Feb 29;108(4):335–7 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography of the vertebral arteries of young persons: definition of normal parameters] Paludetti G, et al. **G Clin Med** 1983 May–Jun;64(5–6):167–81 (Eng. Abstr.) **(Ita)**

[Abnormal intracavitary dynamic echoes. I. An in vitro study] Iliceto S, et al. **G Ital Cardiol** 1984 Feb;14(2):127–31 (Eng. Abstr.) **(Ita)**

[Doppler flowmetry in Klippel-Trénaunay-Weber syndrome] Donofrio P, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):361–3 (Eng. Abstr.) **(Ita)**

[Diagnostic significance of echography in the intensive care of closed abdominal injuries] Testasecca D, et al.
Minerva Anestesiol 1984 Jan–Feb;50(1–2):19–24 (Eng. Abstr.) **(Ita)**

[The current role of the Doppler flowmeter in the diagnosis of peripheral arteriopathies (The ultrasonic blood flow velocity profile)] Barone G, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):401–5 (Eng. Abstr.) **(Ita)**

[Diagnosis of arteriopathies of the lower limbs (A comparison of the Doppler flowmeter and arteriography)] Barone G, et al. **Minerva Cardioangiol** 1983 Jul–Aug;31(7–8):391–9 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography of the lower limbs and arteriography. Correlation of the results at rest and after exertion] Carmellini M, et al. **Minerva Cardioangiol** 1983 May;31(5):299–303 (Eng. Abstr.) **(Ita)**

[Evaluation of peripheral obstructive arteriopathy with echoflow. Correlation between computerized images and angiographic pictures in 100 patients before and after surgical intervention] Gossetti B, et al.
Minerva Cardioangiol 1983 Sep;31(9):481–90 (Eng. Abstr.) **(Ita)**

[Evaluation of run-off as a preliminary step in angiosurgery] Mascoli F, et al. **Minerva Cardioangiol** 1984 Jan–Feb; 32(1–2):5–8 (Eng. Abstr.) **(Ita)**

[Real-time sonography of the arteries and veins of the epigastric region] Müller JE, et al.
Minerva Cardioangiol 1983 May;31(5):311–6 (Eng. Abstr.) **(Ita)**

[Subcapsular hematoma of the spleen. Report of an echotomographic diagnosis] Amerio GM, et al.
Minerva Chir 1984 Apr 15;39(7):577–8 (Eng. Abstr.) **(Ita)**

[Echotomography and peroperative cholangiography in the study of biliary pathology. Comparison of reliability] Greco D, et al. **Minerva Chir** 1984 Feb 15;39(3):147–51 (Eng. Abstr.) **(Ita)**

[Usefulness of Doppler ultrasonography in the screening of patients undergoing angiographic examination prior to surgical treatment] Musso L, et al. **Minerva Chir** 1984 Mar 31;39(6):367–81 (Eng. Abstr.) **(Ita)**

[Relation of scintigraphy, echotomography and conventional computerized tomography in the diagnosis of hepatic and splenic pathology. I. Echotomography] Paolini FA, et al. **Minerva Dietol Gastroenterol** 1984 Apr–Jun;30(2):69–75 (Eng. Abstr.) **(Ita)**

[Diabetes and pregnancy. III. Ultrasonic biometry and fetal growth] Alemanno MG, et al. **Minerva Ginecol** 1983 Dec; 35(12):777–83 (Eng. Abstr.) **(Ita)**

[Anatomo-functional considerations and prenatal ultrasonic diagnosis of fetal cryptorchism and hydrocele] Cacchio M, et al. **Minerva Ginecol** 1983 Jul–Aug;35(7–8):483–8 (Eng. Abstr.) **(Ita)**

[Celioscopic verification of the reliability of the ultrasonographic method in evaluation of gynecologic pathology] Carcione R, et al. **Minerva Ginecol** 1983 Sep; 35(9):581–7 (Eng. Abstr.) **(Ita)**

[Current possibilities of the timely diagnosis, preoperative staging and prevention of malignant tumors of the ovary. B) Ultrasonography] Dolfin G, et al. **Minerva Ginecol** 1984 Apr;36(4):145–8 **(Ita)**

[Echography in the first 3 months of pregnancy. Study of 100 cases] Mastronardi R, et al. **Minerva Ginecol** 1983 Oct; 35(10):671–6 (Eng. Abstr.) **(Ita)**

[2 cases of abdominal pregnancy. Ultrasonographic diagnosis] Paparella P, et al. **Minerva Ginecol** 1984 Jan–Feb; 36(1–2):21–5 (Eng. Abstr.) **(Ita)**

[Importance of echographic examination in the diagnosis of hematocolpos] Pini PL, et al. **Minerva Ginecol** 1983 Sep; 35(9):577–80 (Eng. Abstr.) **(Ita)**

[Occasional encounter of fetal malformations during echographic examination in pregnancy] Preziosi P, et al. **Minerva Ginecol** 1983 Dec;35(12):785–91 (Eng. Abstr.) **(Ita)**

[Echographic demonstration of dermoid cysts of the ovary during pregnancy] Preziosi P, et al. **Minerva Ginecol** 1984 May;36(5):245–50 (Eng. Abstr.) **(Ita)**

[Combined maternal urogenital malformations in pregnancy. Echographic observations and comments on a clinical case] Struzziero E, et al. **Minerva Ginecol** 1984 Jun;36(6):325–9 (Eng. Abstr.) **(Ita)**

[Fetal long bones. The problem of their correct visualization and echographic biometry] Struzziero E, et al.
Minerva Ginecol 1984 Jun;36(6):339–41 (Eng. Abstr.) **(Ita)**

[Immersion echotomography of the breast] Verrengia D, et al. **Minerva Ginecol** 1984 Jun;36(6):331–8 (Eng. Abstr.) **(Ita)**

[Echographic symptomatology of closed abdominal injuries] Cardinale A, et al. **Minerva Med** 1984 Mar 31;75(13):725–30 (Eng. Abstr.) **(Ita)**

[Echotomography in hepatic echinococcosis. Usefulness of the study, especially in preoperative evaluation] Comino E, et al. **Minerva Med** 1984 Feb 11;75(5):167–71 (Eng. Abstr.) **(Ita)**

[Echographic identification of an isolated thyroid nodule] Gadaleta A, et al. **Minerva Med** 1984 May 12; 75(20):1199–204 (Eng. Abstr.) **(Ita)**

[New prospects offered by echography in the diagnosis of carcinoma of the gallbladder] Pollice S, et al.
Minerva Med 1984 Feb 11;75(5):153–60 (Eng. Abstr.) **(Ita)**

[Ultrasonographic diagnosis of renal pathology] Antonelli A, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):183–93 (Eng. Abstr.) **(Ita)**

[Evolution of the echographic aspects of pancreatitis caused by epidemic parotitis in children] Capaccioli L, et al.
Minerva Pediatr 1983 Jun 30;35(12):645–7 (Eng. Abstr.) **(Ita)**

[Doppler ultrasound in the study of renal-spermatic vein reflux in patients with left varicocele] Farnetti F, et al.
Minerva Urol 1983 Oct–Dec;35(4):279–84 (Eng. Abstr.) **(Ita)**

[Significance of echotomography in the diagnosis of the nature of radiotransparent filling defects of the renal pelvis] Preziosi P, et al. **Minerva Urol** 1983 Apr–Jun;35(2):93–100 (Eng. Abstr.) **(Ita)**

[Transabdominal echotomography in the staging of tumors of the bladder] Ballerini G, et al. **Radiol Med (Torino)** 1983 Nov;69(11):855–8 (Eng. Abstr.) **(Ita)**

[Proposal of an echotomographic method of guided portal catheterization] Gandini G, et al. **Radiol Med (Torino)** 1983 Jun;69(6):408–14 (Eng. Abstr.) **(Ita)**

[Echography in patients with clinically suspected pancreatic carcinoma. Analysis of a prospective study] La Seta F, et al. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):538–40 (Eng. Abstr.) **(Ita)**

[Value of ultrasonics and computerized axial tomography in the staging of renal neoplasms] Musante F, et al.
Radiol Med (Torino) 1983 Dec;69(12):933–40 (Eng. Abstr.) **(Ita)**

[Liver metastases with posterior acoustic shadow in echography: causes and differential diagnosis] Rubaltelli L, et al. **Radiol Med (Torino)** 1983 May;69(5):316–9 (Eng. Abstr.) **(Ita)**

[Real-time high-resolution echotomography and oral cholecystography in the study of hyperplastic cholecystosis] Sartoni Galloni S, et al.
Radiol Med (Torino) 1983 Jul–Aug;69(7–8):533–7 (Eng. Abstr.) **(Ita)**

[Ultrasonographic study in breast immersion] Toti A, et al.
Radiol Med (Torino) 1983 Sep;69(9):632–7 (Eng. Abstr.) **(Ita)**

[Echographic evaluation of portal flow] Verrengia D, et al.
Radiol Med (Torino) 1983 Sep;69(9):638–43 (Eng. Abstr.) **(Ita)**

[Echographic study of the inferior vena cava in abdominal neoplastic pathology. Comparison with the inferior cavography] Ziviello M, et al. **Radiol Med (Torino)** 1983 Jun;69(6):401–7 (Eng. Abstr.) **(Ita)**

[Diagnosis of uveal melanoma. Contribution of echography and the 32P test] Bosco F, et al. **Recenti Prog Med** 1984 Jan;75(1):66–91 (Eng. Abstr.) **(Ita)**

[Ultrasonographiic assessment of bladder tumors: clinical staging] Niijima T. **Gan No Rinsho** 1983 Aug; 29(10):1175–80 (Eng. Abstr.) **(Jpn)**

[Abdominal ultrasonography in infants and children] Hirata T. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1883–90 (Eng. Abstr.) **(Jpn)**

[Ultrasonically guided biopsy of mass lesions in the pancreas, liver and gallbladder] Itoh K. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1332–9 (Eng. Abstr.) **(Jpn)**

[Sonographic diagnosis of biliary tumor] Kitamura T.
Gan To Kagaku Ryoho 1984 Mar;11(3):545–53 (Eng. Abstr.) **(Jpn)**

[Breast and thyroid tumors] Kobayashi T.
Gan To Kagaku Ryoho 1984 Feb;11(2):348–58 **(Jpn)**

[Value of ultrasonic diagnosis in cancer] Kobayashi T.
Gan To Kagaku Ryoho 1984 Feb;11(2):344–7 **(Jpn)**

[Ultrasonic diagnosis of tumors of the spleen] Koga T.
Gan To Kagaku Ryoho 1984 Jul;11(7):1514–20 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of liver tumors—with special reference to its limitations in predicting histology] Makuuchi M.
Gan To Kagaku Ryoho 1984 May;11(5):1122–33 (Eng. Abstr.) **(Jpn)**

[Ultrasound-guided renal cyst puncture and 95% ethanol injection. Part 1: Estimation of ethanol levels in the blood and urine following 95% ethanol injection] Kawamura J, et al. **Hinyokika Kiyo** 1984 Mar;30(3):287–94 (Eng. Abstr.) **(Jpn)**

[Experience with transabdominal and scrotal ultrasonographic examination in urology] Saiki S, et al.
Hinyokika Kiyo 1983 Sep;29(9):1027–36 (Eng. Abstr.) **(Jpn)**

[Diagnosis of bladder cancer by transurethral ultrasonic scanning] Sakamoto W, et al. **Hinyokika Kiyo** 1983 Sep; 29(9):1015–8 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis] Fukuda M. **Hokkaido Igaku Zasshi** 1983 May;58(3):192–8 **(Jpn)**

[Mass screening of uterine cancer, especially cancer of the corpus uteri, by ultrasonic tomography, cytodiagnosis, and other methods] Doi O. **Igaku Kenkyu** 1982 Nov; 52(5):217–32 (Eng. Abstr.) **(Jpn)**

[Evaluation of abdominal ultrasonography in cases with esophageal and gastric cancer. Detection of metastasized lymph nodes surrounding the celiac axis] Yoshinaka H.
Igaku Kenkyu 1983 Nov;53(5):247–65 (Eng. Abstr.) **(Jpn)**

[Color-specified ultrasonotomography for high gradation display] Itoh M, et al. **Iyodenshi To Seitai Kogaku** 1983 Feb;21(1):31–5 (Eng. Abstr.) **(Jpn)**

[Medical engineering in urology] Watanabe H.
Iyodenshi To Seitai Kogaku 1982 Dec;20(7):576–8 **(Jpn)**

[Role of left ventricular relaxation on transmitral flow dynamics during early diastole: pulsed Doppler flowmetry] Tanouchi J, et al. **J Cardiogr** 1983 Jun;13(2):301–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic diagnosis of lung and thoracic diseases] Natori H, et al. **Kokyu To Junkan** 1984 Jun;32(6):569–74 **(Jpn)**

[Real-time intracardiac bloodflow imaging with color-coded two-dimensional Doppler technique: clinical significance of '2-D Doppler'] Omoto R. **Kokyu To Junkan** 1984 Mar; 32(3):217–25 **(Jpn)**

[Tissue characterization of the heart by ultrasound] Tanaka M, et al. **Kokyu To Junkan** 1984 Mar;32(3):207–15 **(Jpn)**

[Digital subtraction angiography and ultrasound sonography for detection of occlusive carotid lesions in the neck] Koga H, et al. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):705–10 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic diagnosis of early breast cancer] Imamoto H, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20; 18(8):1998–2003 (Eng. Abstr.) **(Jpn)**

[Ultrasonic biometry of the optic nerve diameter] Horikoshi J, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):91–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonic measurement of the thickness of living ocular walls. I. Computer analysis of RF signals] Sugata Y, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1077–83 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis in ophthalmology. 17. High frequency electronic linear scanning ultrasonic diagnosis equipment for ocular imaging diagnosis] Tane S, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):722–8 (Eng. Abstr.) **(Jpn)**

[Development on segmentectomy and subsegmentectomy of the liver due to introduction of ultrasonography] Makuuchi M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):913–7 (Eng. Abstr.) **(Jpn)**

[The indication of hepatic resection from medical imaging technique for hepatocellular carcinoma] Ryu M, et al. **Nippon Geka Gakkai Zasshi** 1983 Sep;84(9):904–7 (Eng. Abstr.) **(Jpn)**

[Diagnostic evaluation of quantitative analyses of 0-crossing velocity wave for the peripheral arterial occlusive disease—clinical and experimental study] Sato S. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):261–73 (Eng. Abstr.) **(Jpn)**

[Studies on diagnosis of pancreas head region cancer using echotomography] Yano M. **Nippon Geka Gakkai Zasshi** 1983 Jan;84(1):80–91 (Eng. Abstr.) **(Jpn)**

[Percutaneous extraction of urinary stone] Chiba Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1758–64 (Eng. Abstr.) **(Jpn)**

[Postoperative evaluation and diagnosis of a case with bladder neck contracture by combined ultrasonotomography and urodynamic monitoring] Nishizawa O, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1765–71 (Eng. Abstr.) **(Jpn)**

[The value of ultrasonography in renal transplantation] Ushiyama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):523–8 (Eng. Abstr.) **(Jpn)**

[Preoperative comparison of ultrasound and computed tomography in the diagnosis of ovarian tumors] Miyasaka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25;44(1):23–30 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic diagnosis of pediatric intussusception] Onitsuka H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Sep 25; 43(9):1110–3 (Eng. Abstr.) **(Jpn)**

[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382–92 (Eng. Abstr.) **(Jpn)**

[Monitoring of the preovulatory follicles—a comparison of ultrasound and laparoscopy] Honda I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar;36(3):421–9 (Eng. Abstr.) **(Jpn)**

[Estimation of gestational age with ultrasonographic measurement of the fetus in each trimester] Iwamoto K. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2330–8 (Eng. Abstr.) **(Jpn)**

[Image diagnosis in obstetrical diseases] Kobayashi M. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2435–40 **(Jpn)**

[Ultrasound measurement of fetal head and body sizes in the assessment of fetal growth] Liou SM, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1034–42 (Eng. Abstr.) **(Jpn)**

[New ultrasonic Doppler fetal actograph and continuous recording of fetal movement] Maeda K. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):280–8 (Eng. Abstr.) **(Jpn)**

[Monitoring the structural development of fetus] Nakano H. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):957–62 **(Jpn)**

[Ultrasonic diagnosis in perinatal management] Shimizu T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):147–52 **(Jpn)**

[Qualitative analysis of gallbladder stones by ultrasound] Lim I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep; 80(9):1816 **(Jpn)**

[Ultrasound diagnosis of portal hypertension] Matsutani S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 May; 80(5):1168–77 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of multilocular echinococcosis of the liver] Okai T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Sep;80(9):1800–3 **(Jpn)**

[A trial of double-contrast cholecystography under ultrasound guidance. A case of early cancer of the gallbladder] Tomatsu S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec;80(12):2605 **(Jpn)**

[Determination of the depth of cancerous involvement in early stomach cancer by ultrasonic endoscopy] Yamanaka T. **Nippon Shokakibyo Gakkai Zasshi** 1983 May;80(5):1222 **(Jpn)**

[Use of real-time ultrasonography in neurosurgical operations] Hyodo A, et al. **No Shinkei Geka** 1984 Mar; 12(3 Suppl):311–8 (Eng. Abstr.) **(Jpn)**

[Postoperative evaluation of extracranial–intracranial (EC/IC) arterial bypass using ultrasonic quantitative flow measurement (UQFM) and the computed mapping of EEG (CME)] Hyodo A, et al. **No Shinkei Geka** 1983 Jun; 11(6):627–33 (Eng. Abstr.) **(Jpn)**

[Two-dimensional ultrasonography of the brain in infancy: its application to the diagnosis of intracranial disorders] Yano S, et al. **No To Hattatsu** 1984;16(2):113–21 **(Jpn)**

[Ultrasonographic studies of the gallbladder function in gastrectomized patients] Utsumi K, et al. **Rinsho Byori** 1984 Mar;32(3):304–8 **(Jpn)**

[Lateral shadow on the ultrasonogram of liver tumor] Ishida H, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1061–6 (Eng. Abstr.) **(Jpn)**

[Cholecystosonographic differentiation of ascites] Ishii C, et al. **Rinsho Hoshasen** 1984 Jan;29(1):45–8 (Eng. Abstr.) **(Jpn)**

[Ultrasonography for foreign body in oral and maxillofacial region: report of 3 cases] Ishikawa H, et al. **Rinsho Hoshasen** 1983 Jun;28(6):693–4 (Eng. Abstr.) **(Jpn)**

[Imaging diagnosis of gallbladder carcinoma] Kanazawa S, et al. **Rinsho Hoshasen** 1984 Jan;29(1):49–56 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of acute gangrenous cholecystitis and pericholecystic abscess] Mori H, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1515–8 (Eng. Abstr.) **(Jpn)**

[Imaging diagnosis of islet cell tumors] Onodera H, et al. **Rinsho Hoshasen** 1984 Mar;29(3):367–71 (Eng. Abstr.) **(Jpn)**

[Case of hepatic artery aneurysm in which echography and CT were useful for the diagnosis] Sohma M, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1101–3 (Eng. Abstr.) **(Jpn)**

[Ultrasonography diagnosis of calcified lesions of the liver] Yajima Y, et al. **Rinsho Hoshasen** 1983 Dec;28(13):1563–8 (Eng. Abstr.) **(Jpn)**

[Case of hepatic hemangioma with a shift in the internal echo level] Yajima Y, et al. **Rinsho Hoshasen** 1983 Aug; 28(8):891–3 (Eng. Abstr.) **(Jpn)**

[Case of idiopathic fatty liver diagnosed by ultrasound] Yajima Y, et al. **Rinsho Hoshasen** 1983 Jul;28(7):815–7 (Eng. Abstr.) **(Jpn)**

[2 cases of afferent loop syndrome diagnosed by ultrasound] Yasumori K, et al. **Rinsho Hoshasen** 1983 Oct;28(10):1105–8 (Eng. Abstr.) **(Jpn)**

[Ultrasonography in detecting hematologic diseases] Hashimoto K, et al. **Rinsho Ketsueki** 1983 Oct; 24(10):1331–41 (Eng. Abstr.) **(Jpn)**

[Diagnosis of paranasal sinus diseases by ultrasonics] Bøckmann P, et al. **Tidsskr Nor Laegeforen** 1983 Sep 20; 103(26):1811–3 **(Nor)**

[Echoventriculography. A method for measurement of cerebral ventricle enlargement] Brodtkorb E, et al. **Tidsskr Nor Laegeforen** 1984 Jun 20;104(17–18):1230–2 (Eng. Abstr.) **(Nor)**

[Tumors of the small pelvis. Demonstration with ultrasonography] Eyjolfsson O, et al. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1689–90 (Eng. Abstr.) **(Nor)**

[Ultrasonics and peripheral arterial insufficiency. Measurement of blood-flow velocity with a Doppler ultrasonics] Kristiansen K. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1534–7 (Eng. Abstr.) **(Nor)**

[Cerebral ultrasonography of neonates and infants] Larssen TB, et al. **Tidsskr Nor Laegeforen** 1984 Jun 10; 104(16):1143–5 (Eng. Abstr.) **(Nor)**

[Biological effects of ultrasound and potential hazards in diagnosis. Review of the literature] Matre K, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1497–501 (Eng. Abstr.) **(Nor)**

[Cerebral ultrasonic examination of newborn infants. Normal case material] Meberg A. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):651–3 (Eng. Abstr.) **(Nor)**

[Cerebral ultrasonic examination of newborn infants and during the first year of life] Meberg A. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):653–6 (Eng. Abstr.) **(Nor)**

[Ultrasonics and endoscopic retrograde cholangiopancreatography (ERCP). Value in suspected liver, biliary and pancreatic disease] Odegaard S, et al. **Tidsskr Nor Laegeforen** 1984 Jun 30;104(19–21):1315–7 (Eng. Abstr.) **(Nor)**

[Ultrasonography in symptomatic abdominal aortic aneurysms] Pillgram-Larsen J, et al. **Tidsskr Nor Laegeforen** 1983 Nov 20;103(32):2179–81 **(Nor)**

[Intracranial hemorrhage in premature infants during the neonatal period. Ultrasonographic evaluation] Smith D. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):648–51 (Eng. Abstr.) **(Nor)**

[Ultrasonography in strangulation ileus] Smith HJ, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10;103(22):1504–5 (Eng. Abstr.) **(Nor)**

[Diagnosis of fetal occipital meningocele by ultrasonic screening] Sviggum O, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):731–3 (Eng. Abstr.) **(Nor)**

[Ultrasonography in patients with palpable abdominal masses] Swensen T, et al. **Tidsskr Nor Laegeforen** 1983 Aug 10; 103(22):1502–4 (Eng. Abstr.) **(Nor)**

[Prenatal diagnosis of X-linked hydrocephalus] Mikiel-Kostyra K, et al. **Ginekol Pol** 1983 Aug–Sep; 54(8–9):549–52 (Eng. Abstr.) **(Pol)**

[Evaluation of the sensitivity of ultrasonographic examination with TM presentation for measuring fetal cardiac function in early pregnancy] Sośnierz A, et al. **Ginekol Pol** 1983 May;54(5):321–5 (Eng. Abstr.) **(Pol)**

[Value of combined A, B and Doppler ultrasonic methods in the diagnosis of secondary retinal detachment] Mianowicz J. **Klin Oczna** 1983 May;85(5):201–2 (Eng. Abstr.) **(Pol)**

[Ultrasonic examination before cataract extraction] Smolińska K, et al. **Klin Oczna** 1983 Aug–Sep;85(8–9):305–6 (Eng. Abstr.) **(Pol)**

[Non-invasive examination by percutaneous Doppler ultrasonic method with special reference to childhood] Barbacki M, et al. **Pediatr Pol** 1983 May;58(5):483–9 **(Pol)**

[Ultrasonic examination of the prostate] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1983 Sep–Dec; 47(5–6):383–6 (Eng. Abstr.) **(Pol)**

[Ultrasonic studies in testicular diseases. Preliminary report] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1983 Mar–Apr;47(2):153–6 (Eng. Abstr.) **(Pol)**

[Place and role of ultrasonics among other methods of organ visualization] Pruszyński B, et al. **Pol Przegl Radiol (Warszawa)** 1983 Sep–Dec;47(5–6):425–8 (Eng. Abstr.) **(Pol)**

[Visualization of the pancreas by ultrasonics. Diagnostic technic and ultrasonic anatomy of the gland] Rakoczy A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Sep–Dec; 47(5–6):375–82 (Eng. Abstr.) **(Pol)**

[Role of ophthalmodynamometric and ultrasonic studies in the diagnosis of cerebral circulatory insufficiency] Augustyniak E. **Pol Tyg Lek** 1983 Dec 5;38(49):1547–50 **(Pol)**

[Our experience with ultrasonic examination of the liver and biliary tract] Juszczyk Z. **Pol Tyg Lek** 1983 Dec 5; 38(49):1537–9 **(Pol)**

[Intraoperative use of ultrasonography for the detection of vascular defects] Coelho JC, et al. **AMB** 1983 Mar–Apr; 29(3–4):71–3 (Eng. Abstr.) **(Por)**

[Use of ultrasonography and lymphography in the lymphatic form of paracoccidioidomycosis] Cerri GG, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Aug;38(4):160–3 (Eng. Abstr.) **(Por)**

[The Doppler ultrasound method in diagnosis of arterial and venous diseases] Incze A, et al. **Rev Med Interna [Med Interna]** 1983 Mar–Apr;35(2):135–42 (22 ref.) (Eng. Abstr.) **(Rum)**

[Determination of gestational age and delivery date by ultrasonic measurement of total intrauterine volume] Akkerman LI. **Akush Ginekol (Mosk)** 1983 Aug;(8):9–11 (Eng. Abstr.) **(Rus)**

[Determination of fetal weight by an ultrasonic measurement of the biparietal diameter] Akkerman LI. **Akush Ginekol (Mosk)** 1983 Oct;(10):34–8 (Eng. Abstr.) **(Rus)**

[Measurement of the true conjugate diameter using combined ultrasonic scanning] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1983 Oct;(10):50–1 (Eng. Abstr.) **(Rus)**

[Clinico-ultrasonic aspects of the diagnosis of complications after induced abortion in the 1st trimester] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):53–5 (Eng. Abstr.) **(Rus)**

[Determination of fetal hypotrophy in the 1st half of pregnancy by ultrasonic study] Kodaj I, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):31–2 **(Rus)**

[Importance of echography in examining patients with developmental defects of the uterus and vagina] Kurbanova A.G, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):64–7 (Eng. Abstr.) **(Rus)**

[Value of probability-statistical analysis of tonogram parameters for diagnosis of coiling and different types of pathology of the umbilical cord during pregnancy] Logvinenko AV. **Akush Ginekol (Mosk)** 1984 Jan;(1):18–21 (Eng. Abstr.) **(Rus)**

[Ultrasonic echography and steroid hormone determination in diagnosing infertility of unexplained origin] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):35–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of extrauterine pregnancy by means of echography] Shoniia MV. **Akush Ginekol (Mosk)** 1984 Jan; (1):45–8 (Eng. Abstr.) **(Rus)**

[Importance of echography in follicle detection and the diagnosis of ovulation] Stygar AM. **Akush Ginekol (Mosk)** 1984 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Echographic characteristics of uterine myoma] Zykin BI. **Akush Ginekol (Mosk)** 1984 Apr;(4):25–6 (Eng. Abstr.) **(Rus)**

[Method of local action by focussed ultrasound on deep brain structures in unrestrained unanesthetized animals] Adrianov OS, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):115–7 (Eng. Abstr.) **(Rus)**

[Measurement of peripheral venous pressure using Doppler ultrasound] Bala IuM, et al. **Kardiologiia** 1983 Oct; 23(10):61–2 (Eng. Abstr.) **(Rus)**

[Causes of mistakes in ultrasonic diagnosis of diseases of the pancreatoduodenal zone] Babichev SI, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):66–71 **(Rus)**

[Noninvasive methods of studying occlusive lesions of the arteries of the lower extremities] Danilenko MV, et al. **Khirurgiia (Mosk)** 1984 May;(5):53–6 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis in acute surgical diseases of the organs

of the abdominal cavity] Dubrov EIa, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):89–91 (Eng. Abstr.) **(Rus)**

[1st experiment on the use of ultrasound echolocation during surgery for choledocholithiasis] Milonov OB, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):119–21 **(Rus)**

[Clinical use of computer echotomography] Bogin IuN, et al. **Klin Med (Mosk)** 1984 Mar;62(3):22–6 **(Rus)**

[Echography of the liver] Sidorova GP, et al. **Klin Med (Mosk)** 1984 Feb;62(2):57–62 (Eng. Abstr.) **(Rus)**

[Ultrasonic echolocation of soft tissues in dogs during decompression] Nikolaev VP, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):52–7 (Eng. Abstr.) **(Rus)**

[Ultrasonic studies and calcium content of the bones in experimental animals during limited mobility and weightlessness] Saulgozis IuZh, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):48–52 (Eng. Abstr.) **(Rus)**

[Diagnosis of latent atherosclerotic stenosing lesions of large cerebral blood vessels in the flight personnel] Semenov BKh, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec; 17(6):75–7 (Eng. Abstr.) **(Rus)**

[Comprehensive radiodiagnosis of toxic ademomas of the thyroid] Filatov AA, et al. **Med Radiol (Mosk)** 1984 May; 29(5):32–6 (Eng. Abstr.) **(Rus)**

[Experience in using echotomography in planning the irradiation of cervical cancer patients] Spasokukotskaia ON, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):64–7 (Eng. Abstr.) **(Rus)**

[Automated ultrasonic diagnostic systems for outpatient clinics] Gundarov VP, et al. **Med Tekh** 1983 Sep–Oct; (5):20–7 (Eng. Abstr.) **(Rus)**

[Equipping hospitals and polyclinics with ultrasonic diagnostic apparatus as a part of their comprehensive outfitting with technical aids] Skorunskiĭ IA, et al. **Med Tekh** 1983 Jul–Aug;(4):53–4 **(Rus)**

[Use of ultrasonic diagnosis and therapy in ambulatory-polyclinic conditions] Marmur RK, et al. **Oftalmol Zh** 1983;38(3):141–3 (Eng. Abstr.) **(Rus)**

[Practical value of echography in the complex examination of ophthalmologic patients] Rogozina RD, et al. **Oftalmol Zh** 1983;38(6):379–80 **(Rus)**

[Echography in the evaluation of the spleen in lymphogranulomatosis in children] Dvoriakovskiĭ IV, et al. **Pediatriia** 1984 Jan;(1):51–2 **(Rus)**

[Ultrasonic diagnosis of bone and soft tissue tumorous lesions in children] Sapozhnikov VG, et al. **Pediatriia** 1983 Aug; (8):44 **(Rus)**

[Ultrasonic tomography in the topical diagnosis of recurrence of cancer of the rectum] Bal'ter SA, et al. **Sov Med** 1984; (3):45–9 (Eng. Abstr.) **(Rus)**

[Ultrasonics in the diagnosis of fetal chondrodystrophy] Demidov VN, et al. **Sov Med** 1984;(4):119–21 **(Rus)**

[Ultrasonic diagnosis of tuberculosis of the kidneys] Kargin AM. **Sov Med** 1984;(1):51–5 (Eng. Abstr.) **(Rus)**

[Ultrasonic transcutaneous flow measurement in the diagnosis of ectasia of the deep veins of the lower extremities] Poluéktov LV, et al. **Sov Med** 1984;(6):93–5 **(Rus)**

[Ultrasonic diagnosis of diseases of the urinary bladder and prostate gland] Pytel' IuA, et al. **Sov Med** 1983;(9):24–9 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis in plastic surgery of the breast] Vishnevskiĭ AA, et al. **Sov Med** 1984;(3):36–41 (Eng. Abstr.) **(Rus)**

[Ultrasound and thermography in the diagnosis of bone pathology of the jaws] Mazalova NN, et al. **Stomatologiia (Mosk)** 1984 Jul–Aug;63(4):36–7 (Eng. Abstr.) **(Rus)**

[Value of echography for detecting free fluid in the pleural and abdominal cavities] Demidov VN. **Ter Arkh** 1983; 55(10):60–2 (9 ref.) (Eng. Abstr.) **(Rus)**

[Topical diagnosis of chromaffinomas by means of echography] Kazeev KN, et al. **Ter Arkh** 1983;55(10):105–6 (20 ref.) (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of polycystic disease of the liver] Medvedev VE, et al. **Ter Arkh** 1983;55(10):16–7 (11 ref.) (Eng. Abstr.) **(Rus)**

[Ultrasonography in the diagnosis and differential diagnosis of diseases of the pancreas] Smagin VG, et al. **Ter Arkh** 1983;55(12):46–50 **(Rus)**

[Ultrasonic diagnosis of neoplasms of the urinary bladder] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug; (4):3–7 (Eng. Abstr.) **(Rus)**

[Ultrasonography in the diagnosis of acute cholecystitis] Astaf'ev VI, et al. **Vestn Khir** 1983 Nov;131(11):33–7 (Eng. Abstr.) **(Rus)**

[Possibilities of detection of the causes of portal hypertension with ultrasonic diagnostic apparatus] Dvoriakovskiĭ IV, et al. **Vestn Khir** 1984 Jan;132(1):38–41 (Eng. Abstr.) **(Rus)**

[Possibilities of ultrasonic echotomoscanning in the diagnosis of liver abscesses] Medvedev VE, et al. **Vestn Khir** 1983 Dec;131(12):31–5 (Eng. Abstr.) **(Rus)**

[Ultrasonic biometry of the rectus muscles of the eye in edematous exophthalmos] Fridman FE, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):53–5 (Eng. Abstr.) **(Rus)**

[Echographic studies in posttraumatic subatrophy of the eye] Gerchikov AN, et al. **Vestn Oftalmol** 1983 Sep–Oct; (5):70–3 (Eng. Abstr.) **(Rus)**

[Acoustic scanning in the diagnosis of traumatic hemophthalmos] Gundorova RA, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):51–3 (Eng. Abstr.) **(Rus)**

[Methods of clinical pachometry] Ivashina AI, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):58–61 (Eng. Abstr.) **(Rus)**

[Ultrasonic studies in evaluation of the efficacy of cryocoagulation in hemophthalmos] Maliuta GD, et al. **Vestn Oftalmol** 1984 Jul–Aug;(4):40–2 (Eng. Abstr.) **(Rus)**

[Combined x-ray and ultrasonic study of the gallbladder] Polikovskiĭ VV, et al. **Voen Med Zh** 1984 Feb;(2):49–50 **(Rus)**

[Ultrasound tomography in the topical diagnosis and evaluation of results in the treatment of patients with stage III and IV ovarian cancer] Bal'ter SA, et al. **Vopr Onkol** 1984;30(1):65–71 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of chronic calculous cholecystitis] Medvedev VE, et al. **Vrach Delo** 1984 Jan;(1):40–3 **(Rus)**

[Differential diagnosis of a cholestatic variant of viral hepatitis and liver cancer by A-scanning] Postovit NV. **Vrach Delo** 1983 Aug;(8):116–8 (Eng. Abstr.) **(Rus)**

[Complex ultrasonic scanning, Doppler sonography, telethermography and infrared radiometry in studies of carotid artery circulation] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1307–14 (Eng. Abstr.) **(Rus)**

[Ultrasound dopplerography in the diagnosis of the subclavian steal syndrome] Nikitin IuM. **Zh Nevropatol Psikhiatr** 1983;83(9):1295–9 (Eng. Abstr.) **(Rus)**

[Is the asymmetrical pulsation in the supraclavicular regions of the necks of healthy subjects in a horizontal posture a physiological or pathological phenomenon? (clinico-ultrasonic study)] Stulin ID, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1326–9 (Eng. Abstr.) **(Rus)**

[Ultrasonic method of studying intracranial blood and cerebrospinal fluid dynamics in healthy subjects and in pathology] Simonov LG, et al. **Zh Vopr Neirokhir** 1984 Mar–Apr;(2):42–8 (Eng. Abstr.) **(Rus)**

[Evacuation of a hydatidiform mole with ultrasonic guidance] Bulić M, et al. **Jugosl Ginekol Opstet** 1983 May–Aug; 23(3–4):85–8 (Eng. Abstr.) **(Scr)**

[Prenatal ultrasonic diagnosis of skeletal malformations] Ečuk S, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec; 23(5–6):136–40 (Eng. Abstr.) **(Scr)**

[Evaluation of the value of ultrasound in the diagnosis of gynecologic tumors] Saks A, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):58–61 (Eng. Abstr.) **(Scr)**

[Ultrasonically guided puncture of nonpalpable breast cysts] Vlaisavljević V. **Jugosl Ginekol Opstet** 1983 Sep–Dec; 23(5–6):141–3 (Eng. Abstr.) **(Scr)**

[Analysis of receiver operating characteristic in the echographic diagnosis of breast tumors] Vlaisavljević V. **Jugosl Ginekol Opstet** 1983 Jan–Apr;23(1–2):7–10 (Eng. Abstr.) **(Scr)**

[Prenatal determination of sex using ultrasound] Krstić M, et al. **Med Pregl** 1983;36(5–6):239–40 (Eng. Abstr.) **(Scr)**

[Continuous ultrasonic biometry in the determination of fetal growth retardation in pregnant women with the hypertensive syndrome] Lazarević B, et al. **Med Pregl** 1983; 36(5–6):201–3 (Eng. Abstr.) **(Scr)**

[Routine use of ultrasound and cardiotocography in the intensive surveillance of pregnancies at risk] Marković A, et al. **Med Pregl** 1983;36(7–8):319–21 (Eng. Abstr.) **(Scr)**

[Comparative analysis of various standard curves in the evaluation of the body weight of the fetus using ultrasound] Milačić D, et al. **Med Pregl** 1983 Jan;36(1–2):21–4 (Eng. Abstr.) **(Scr)**

[Detection of developmental anomalies of the gallbladder in children using sonotomography] Vuković T, et al. **Med Pregl** 1983;36(9–10):397–400 (Eng. Abstr.) **(Scr)**

[Carotid echocardiography and spectral analysis—modern detection of carotid lesions] Zikić M, et al. **Med Pregl** 1983; 36(9–10):381–4 (Eng. Abstr.) **(Scr)**

[Cerebrovascular insufficiency—ultrasonographic diagnosis] Zikić M, et al. **Med Pregl** 1984;37(1–2):55–7 (Eng. Abstr.) **(Scr)**

[Echoencephalography in the diagnosis of hydrocephalus in infants and small children] Zeškov P, et al. **Neurologija** 1981;29(1–4):55–64 (Eng. Abstr.) **(Scr)**

[Use of ultrasound in the diagnosis and treatment of congenital developmental defects in multi-fetal pregnancies] Poradovský K, et al. **Cesk Gynekol** 1983 Nov; 48(9):653–60 (Eng. Abstr.) **(Slo)**

[Possibilities of studying the intracranial space in infants using real-time sonography through the 'window of the large fontanelle'] Dluholucký S, et al. **Cesk Pediatr** 1984 Jan; 39(1):7–9 (Eng. Abstr.) **(Slo)**

[Contribution of ultrasonography to the differential diagnosis of pyelocaliceal lacunar images: our experience] Boronat F, et al. **Actas Urol Esp** 1984 Jan–Feb;8(1):75–8 (Eng. Abstr.) **(Spa)**

[Echography of the inguino-scrotal region] Canellas Anoz J, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):115–20 (Eng. Abstr.) **(Spa)**

[Diagnostic importance of ultrasonics in intrascrotal pathology] Espuela Orgaz R, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):361–8 (Eng. Abstr.) **(Spa)**

[Ultrasonic evaluation of the non-functioning kidney] Mayayo T, et al. **Actas Urol Esp** 1983 May–Jun;7(3):181–6 (Eng. Abstr.) **(Spa)**

[Postoperative control of transurethral resection of prostatic adenomas by ultrasound] Mayayo T, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):347–54 (Eng. Abstr.) **(Spa)**

[Importance of ultrasound in the study of cerebral pathology in childhood] Enríquez G, et al. **An Esp Pediatr** 1984 Mar 15;20(4):347–54 (Eng. Abstr.) **(Spa)**

[Diagnosis and follow-up of cerebral ventricle pathology using transfontanelle real-time echography] Nogués A, et al. **An Esp Pediatr** 1984 Jan;20(1):41–8 (Eng. Abstr.) **(Spa)**

[Ultrasound diagnosis in pediatrics] Sales Ferrer R, et al. **An Esp Pediatr** 1983 Sep;19(3):177–83 (Eng. Abstr.) **(Spa)**

[Role of Doppler-flowmetry in the diagnosis of peripheral vascular diseases] Abate S, et al. **Angiologia** 1984 Mar–Apr; 36(2):71–85 (Eng. Abstr.) **(Spa)**

[Diagnosis with intracavitary echography of a tumor of the terminal ureter] Boronat F, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):65–7 (Eng. Abstr.) **(Spa)**

[Control of endoscopic surgery by endocavitary echography] Boronat F, et al. **Arch Esp Urol** 1984 May–Jun;37(3):237–45 (Eng. Abstr.) **(Spa)**

[Ultrasonography and bladder neoplasms: our experience] Burgos R, et al. **Arch Esp Urol** 1983 Mar–Apr;36(2):109–16 (Eng. Abstr.) **(Spa)**

[Ultrasound diagnosis and follow-up of a case of neonatal adrenal hemorrhage] Cantú-Garza D, et al. **Bol Med Hosp Infant Mex** 1984 Feb;41(2):112–5 (Eng. Abstr.) **(Spa)**

[Dermoid cyst with the ultrasonographic appearance of an ectopic pregnancy. Presentation of a case] Amor Calleja L, et al. **Ginecol Obstet Mex** 1982 Nov;50(307):307–9 (Eng. Abstr.) **(Spa)**

[Real-time ultraechosonography in the pathology of the 1st half of pregnancy] Lozano de la Garza JG, et al. **Ginecol Obstet Mex** 1982 Sep;50(305):243–8 (Eng. Abstr.) **(Spa)**

[Value of ultrasonography in the preoperative localization of parathyroid adenomas] Moreno Esteban B, et al. **Rev Clin Esp** 1984 Mar 31;172(6):325–7 (Eng. Abstr.) **(Spa)**

[Echography in the diagnosis of hepatic hydatidosis] Fliquete Peris MV, et al. **Rev Esp Enferm Apar Dig** 1983 Sep; 64(3):198–201 (Eng. Abstr.) **(Spa)**

[Usefulness of echography in the differential diagnosis of jaundice] Fernández M, et al. **Rev Med Chil** 1983 May; 111(5):472–7 (Eng. Abstr.) **(Spa)**

[Measurement of blood flow by a pulsed ultrasonic system with Doppler effect] Greene ER. **Rev Med Chil** 1983 May; 111(5):495–504 (Eng. Abstr.) **(Spa)**

[Ultrasonography in the diagnosis of cholelithiasis] Sabonge R, et al. **Rev Med Panama** 1984 May;9(2):105–8 (Eng. Abstr.) **(Spa)**

[Improved diagnostics by ultrasonic measurements of the skull of neonates and infants] Rudic N. **Lakartidningen** 1983 Nov 16;80(46):4441–4 **(Swe)**

[A simple painless method: Cranial ultrasound examination of premature infants] Laurin S, et al. **Nord Med** 1984; 99(1):6–9 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

Ultrasonic B-scanning of the human skin. An introduction of a new ultrasonic skin-scanner. Tikjøb G, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):67–70

Three-dimensional ultrasonic scanning. Fredfeldt KE, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(3):237–41

A new A-scan ultrasonoscope. Bronson NR 2d. **Ann Ophthalmol** 1984 May;16(5):434–5

New developments in equipment. Blackwell R. **Clin Obstet Gynaecol** 1983 Dec;10(3):371–94

The use of a fast Fourier transform signal processing integrated circuit for Doppler blood flow studies. Franks CI, et al. **Clin Phys Physiol Meas** 1984 May;5(2):105–9

Improved devices can enhance hospitals' images. Rollo FD. **Hospitals** 1983 Nov 1;57(21):61–2, 65–6, 68

Ultrasound transducers for pulse-echo medical imaging. Hunt JW, et al. **IEEE Trans Biomed Eng** 1983 Aug; 30(8):453–81

Beam steering with linear arrays. von Ramm OT, et al. **IEEE Trans Biomed Eng** 1983 Aug;30(8):438–52

Echo-Doppler angle determination for noninvasive transmitral blood velocity calculations in normal and porcine bioprosthetic mitral valves. Raizada V, et al. **ISA Trans** 1984;23(1):11–5

Effect of half-wavelength membranes on the axial resolution of real-time ultrasonic scanners. Ophir J, et al. **J Acoust Soc Am** 1983 Sep;74(3):687–90

Respiratory muscle length measured by sonomicrometry. Newman S, et al. **J Appl Physiol** 1984 Mar;56(3):753–64

A waveguide pulse-echo system for ultrasonic absorption measurements in biological media. Woodward B. **J Biomed Eng** 1983 Oct;5(4):343–8

Learning to use the ultrasonic spatial sensor by the blind infant: comments on Aitken and Bower. Kay L. **J Exp Child Psychol** 1984 Feb;37(1):207–11

Preliminary study of the upper limb with the use of ultrasound transmission imaging. Hentz VR, et al. **J Hand Surg [Am]** 1984 Mar;9(2):188–93

Acoustic dispersing lenses cause artifactual discontinuities in B-mode ultrasonograms. Bönhof JA, et al.

J Ultrasound Med 1984 Jan;3(1):5–7
Phased-array transducer [letter] Williams BM. J Ultrasound Med 1984 Jun;3(6):R65
A comparison of the performance of commercial ultrasound breast scanners versus a laboratory instrument. Baum G. JCU 1983 Oct;11(8):405–13
Simple device for determining an index of echogenicity. Espinasse P, et al. JCU 1984 Jan;12(1):27–32
Evaluation of a portable ultrasonoscope in assessing the body composition of college-age women. Volz PA, et al. Med Sci Sports Exerc 1984;16(1):97–102
Evaluation and comparison of sources of variability in the measurement of corneal thickness with ultrasonic and optical pachymeters. Salz JJ, et al. Ophthalmic Surg 1983 Sep;14(9):750–4
Comparison of ophthalmic ultrasonic apparatus. Susal AL. Ophthalmology (Rochester) 1983 Sep;Suppl:63–9
An echo-free silicone elastomer block for ultrasonography. Claes HP, et al. Radiology 1984 Feb;150(2):596
Gray scale of ultrasound instruments: evaluation using a test object. Kimme-Smith C, et al. Radiology 1983 Nov; 149(2):545–8
Techniques of ultrasonic dissection in resection of the liver. Putnam CW. Surg Gynecol Obstet 1983 Nov;157(5):474–8
Diffraction tomography using arbitrary transmitter and receiver surfaces. Devaney AJ, et al. Ultrasonic Imaging 1984 Apr;6(2):181–93
Use of focused ultrasound for stimulation of nerve structures. Gavrilov LR. Ultrasonics 1984 May;22(3):132–8 (37 ref.)
A simple acoustically coupled calibrator. Martin K. Ultrasound Med Biol 1983 Jul–Aug;9(4):395–8
Color display in ultrasonography. Pizer SM, et al. Ultrasound Med Biol 1983 Jul–Aug;9(4):331–45 (32 ref.)
Cavitron ultrasonic surgical aspirator. Applications in urologic surgery. Addonizio JC, et al. Urology 1984 May; 23(5):417–20
Percutaneous ultrasonic lithotripsy. Segura JW, et al. Urology 1984 May;23(5 Spec No):7–10
[Prevention of gas microemboli during cardiac surgery. Numerical control of cardiac cavity purging by an ultrasonic detector] Mikaeloff P, et al. Arch Mal Coeur 1984 Mar;77(3):314–23 (Eng. Abstr.) (Fre)
[Interposition material for the echography of superficial organs] Fornage B, et al. J Radiol 1984 Mar;65(3):215–6 (Eng. Abstr.) (Fre)
[Endorectal echography of the prostate. Comparison of radial and linear type probes] Fornage B. J Radiol 1984 May; 65(5):375–84 (Eng. Abstr.) (Fre)
[Improved evaluation of images on an oscillograph screen] Lepper RD. Biomed Tech (Berlin) 1983 Sep;28(9):205–7 (Eng. Abstr.) (Ger)
[Sound beam dimensions as the cause of artifacts in B-mode sonography] Bönhof JA, et al. Ultraschall Med 1984 Apr; 5(2):66–9 (Eng. Abstr.) (Ger)
[Systems theory of ultrasound pulse echo technic (1)] Hassler D, et al. Ultraschall Med 1984 Apr;5(2):44–9 (Eng. Abstr.) (Ger)
[In vitro and in vivo demonstrations of puncture instruments in the sonographic real time image. 1: Puncture needles] Heckemann R, et al. Ultraschall Med 1982 Mar;3(1):18–23 (Eng. Abstr.) (Ger)
[Ultrasound diagnosis via the gastroscope] Heyder N, et al. Ultraschall Med 1983 Jun;4(2):85–91 (Eng. Abstr.) (Ger)
[Measuring the image quality of ultrasound B scanners] Leitgeb N, et al. Ultraschall Med 1984 Feb;5(1):2–5 (Eng. Abstr.) (Ger)
[An Axicon lens for the focusing of ultrasound fields] Linge H, et al. Ultraschall Med 1982 Mar;3(1):30–2 (Eng. Abstr.) (Ger)
[A simple immersion test object for the evaluation of axial and lateral resolution of ultrasound pulse echo instruments] Meyenburg M. Ultraschall Med 1984 Feb;5(1):21–3 (Eng. Abstr.) (Ger)
[3-dimensional sonography—technical concept and image-producing possibilities] Mulz D. Ultraschall Med 1984 Feb;5(1):14–20 (Eng. Abstr.) (Ger)
[Indications for ultrasound-guided interventions under permanent view. 2. Therapeutic puncture] Otto RC. Ultraschall Med 1983 Jun;4(2):77–80 (Eng. Abstr.) (Ger)
[New sonographic procedure for the study of the scrotal contents with a rotating sound head] Penkert A. Ultraschall Med 1983 Mar;4(1):21–3 (Eng. Abstr.) (Ger)
[Special support device for objective size determination of the prostate using transrectal ultrasound] Pfitzenmaier N, et al. Ultraschall Med 1983 Mar;4(1):13–4 (Eng. Abstr.) (Ger)
[Gynecologic endosonography: initial experiences] Popp LW, et al. Ultraschall Med 1983 Jun;4(2):92–7 (Eng. Abstr.) (Ger)
[The Doppler Simulator DS 81. A new calibration method for ultrasound-cw-Doppler blood flow measurement devices] Reuter R, et al. Ultraschall Med 1983 Sep; 4(3):188–91 (Eng. Abstr.) (Ger)
[Transrectal ultrasound tomography with an electronic line scanner] Schüller J, et al. Ultraschall Med 1983 Mar; 4(1):7–12 (Eng. Abstr.) (Ger)
[A simple water bag system for mammosonography] Shigueoka C, et al. Zentralbl Gynakol 1984;106(12):855–8 (Eng. Abstr.) (Ger)
[Automated ultrasonic diagnostic systems for outpatient clinics] Gundarov VP, et al. Med Tekh 1983 Sep–Oct; (5):20–7 (Eng. Abstr.) (Rus)
[ESM-01 obstetric echoscope] Ivannikova MA. Med Tekh 1983 Nov–Dec;(6):47–8 (Rus)
[EOS-22 echoophthalmoscope] Timofeeva TE. Med Tekh 1983 Nov–Dec;(6):48–9 (Rus)

METHODS

The use of operative prebypass arteriography and Doppler ultrasound recordings to select patients for extended femoro-distal bypass. Ricco JB, et al. Ann Surg 1983 Nov; 198(5):646–53
Ultrasound-assisted cervical cerclage. Wheelock JB, et al. JCU 1984 Jun;12(5):307–8
[Echographic detection of cervical incompetence. Comparison between the abdominal and perineal route] Lewin D, et al. Presse Med 1983 Oct 1;12(34):2093–6 (Eng. Abstr.) (Fre)
[Systems theory of ultrasound pulse echo technic (2)] Hassler D, et al. Ultraschall Med 1984 Apr;5(2):50–5 (Eng. Abstr.) (Ger)
[Diagnostic possibilities of a Doppler-Pulse Volume Recorder in deep venous thrombosis] Sciannameo F, et al. Minerva Cardioangiol 1984 Jan–Feb;32(1–2):15–9 (Eng. Abstr.) (Ita)

STANDARDS

Biparietal diameter in premature rupture of membranes: errors in estimating gestational age. Wolfson RN, et al. JCU 1983 Sep;11(7):371–4

ULTRAVIOLET RAYS

Changes in the ultrastructure of neural tube cells and the notochordal sheath of ultraviolet irradiated Xenopus laevis embryos. Jurand A, et al. Acta Embryol Morphol Exp 1983 May;4(1):3–16
Differential sensitivity to aphidicolin of replicative DNA synthesis and ultraviolet-induced unscheduled DNA synthesis in vivo in mammalian cells. Seki S, et al. Acta Med Okayama 1984 Jun;38(3):227–37
Light penetration of normal and photokeratitis induced rabbit cornea. Schive K, et al. Acta Ophthalmol (Copenh) 1984 Apr;62(2):309–14
The influence of UV on the rhythmic activity of some lysosomal hydrolases in supernatant from mice in parabiosis. Lityńska A. Acta Physiol Pol 1982 Sep–Dec; 33(5–6):513–21
Production of 5- and 15-hydroperoxyeicosatetraenoic acid from arachidonic acid by halothane-free radicals generated by UV-irradiation. Bösterling B, et al. Anesthesiology 1984 Mar;60(3):209–13
Ultraviolet light and hyperpigmentation in healing wounds. Wiemer DR, et al. Ann Plast Surg 1983 Oct;11(4):328–30
Inactivation of mitochondrial ATPase by ultraviolet light. Chávez E, et al. Arch Biochem Biophys 1984 May 1; 230(2):511–6
Retinoic acid and defective UV light induced DNA excision repair in xeroderma pigmentosum: absence of ameliorating effect. van Voorst Vader PC, et al. Arch Dermatol Res 1984;276(3):201–2
Photoreactivation and ultraviolet-enhanced reactivation of ultraviolet-irradiated nuclear polyhedrosis virus by insect cells. Witt DJ. Arch Virol 1984;79(1–2):95–107
Recommended UV exposure limits for tanning equipment, and spectral irradiances of solarium lamps, sunlamps and daylight. Wilkinson FJ. Australas Phys Eng Sci Med 1983 Jan–Mar;6(1):26–34
Evolution of cellular ATP concentration after UV-mediated induction of SOS system in Escherichia coli. Barbé J, et al. Biochem Biophys Res Commun 1983 Dec 16; 117(2):556–61
Kinetics of UV-induced changes in deoxynucleoside triphosphate pools in Chinese hamster ovary cells and their effect on measurements of DNA synthesis. Newman CN, et al. Biochem Biophys Res Commun 1983 Nov 15; 116(3):1064–9
Properties of a human lymphoblast AP-endonuclease associated with activity for DNA damaged by ultraviolet light, gamma-rays, or osmium tetroxide. Brent TP. Biochemistry 1983 Sep 13;22(19):4507–12
Photoinactivation of agaricus bisporus tyrosinase: modification of the binuclear copper site. Fry DC, et al. Biochemistry 1983 Oct 11;22(21):4949–53
Effects of ultraviolet light on the in vitro assembly of microtubules. Zaremba TG, et al. Biochemistry 1984 Mar 13;23(6):1073–80
DNA repair in ultraviolet-irradiated HeLa cells is disrupted by aphidicolin. The inhibition of repair need not imply the absence of repair synthesis. Collins A. Biochim Biophys Acta 1983 Dec 22;741(3):341–7
Production of active oxygen species (1O2 and O2-.) by psoralens and ultraviolet radiation (320–400 nm). Pathak MA, et al. Biochim Biophys Acta 1984 Mar 22;798(1):115–26
Photoreactivation in pigmented and non-pigmented extreme halophiles. Sharma N, et al. Biochim Biophys Acta 1984 Jun 15;799(2):135–42
UV-induced small structural changes in the T7 bacteriophage studied by melting methods. Tóth K, et al. Biophys Struct Mech 1984;10(4):229–39
Photobiological activity of suction blister fluid from patients treated with 8-methoxypsoralen. Dubertret L, et al. Br J Dermatol 1983 Oct;109(4):421–7
Influence of UV irradiation on penetration of hydrocortisone. In vivo study in hairless rat skin. Lamaud E, et al. Br J Dermatol 1984 Jul;111 Suppl 27:152–7
Estimating increases in skin cancer morbidity due to increases in ultraviolet radiation exposure. Fears TR, et al. Cancer Invest 1983;1(2):119–26
DNA repair following ultraviolet and N-ethyl-N-nitrosourea treatment of cells cultured from human fetal brain, intestine, kidney, liver, and skin. Gibson-D'Ambrosio RE, et al. Cancer Res 1983 Dec;43(12 Pt 1):5846–50
Dose response, wavelength dependence, and time course of ultraviolet radiation-induced unscheduled DNA synthesis in mouse skin in vivo. Kodama K, et al. Cancer Res 1984 May;44(5):2150–4
Correlation of morphological transformation to sister chromatid exchanges induced by split doses of chemical or physical carcinogens on cultured Syrian hamster cells. Popescu NC, et al. Cancer Res 1984 May;44(5):1933–8
DNA repair and induction of plasminogen activator in human fetal cells treated with ultraviolet light. Ben-Ishai R, et al. Carcinogenesis 1984 Mar;5(3):357–62
Repair-induced DNA double strand breaks after ultraviolet-light and either aphidocolin or 1-beta-D-arabinofuranosylcytosine/hydroxyurea. Bradley MO, et al. Carcinogenesis 1983 Dec;4(12):1513–7
Completion of excision repair patches in human cell preparations: identification of a probable mode of excision and resynthesis. Cleaver JE. Carcinogenesis 1984 Mar; 5(3):325–30
The induction of prophage expression in different Salmonella typhimurium strains by DNA cross-linking and monoadduct forming psoralens and longwave ultraviolet radiation. Connor MJ, et al. Carcinogenesis 1983 Nov; 4(11):1451–4
Mutagenesis and lethality following S phase irradiation of xeroderma pigmentosum and normal human diploid fibroblasts with ultraviolet light. Grosovsky AJ, et al. Carcinogenesis 1983 Nov;4(11):1389–93
The interaction of u.v.- and methyl methanesulfonate-induced DNA repair synthesis: a role for poly(ADP-ribose)? Strauss BS. Carcinogenesis 1984 May; 5(5):577–82
U.v.-enhanced reactivation of u.v.-irradiated herpes virus by primary cultures of rat hepatocytes. Zurlo J, et al. Carcinogenesis 1984 Apr;5(4):495–500
Ultraviolet radiation-induced metallothionein-I gene activation is associated with extensive DNA demethylation. Lieberman MW, et al. Cell 1983 Nov;35(1):207–14
UV-induced extracellular factor from human fibroblasts communicates the UV response to nonirradiated cells. Schorpp M, et al. Cell 1984 Jul;37(3):861–8
Systemic suppression of contact hypersensitivity by ultraviolet b radiation or methoxsalen/ultraviolet a radiation in the guinea pig. Morison WL, et al. Cell Immunol 1984 Apr 15;85(1):270–7
Biochemical studies on the genetic material of fresh water snails, intermediate hosts of schistosomiasis—I. Effect of ultraviolet radiation as physical mutagen on the chemical nature of deoxyribonucleic acid. Nabih I, et al. Cell Mol Biol 1984;30(1):33–6
Inhibition of unscheduled DNA synthesis in human lymphocytes by chemical carcinogens. Freeman SE, et al. Chem Biol Interact 1983 Aug 15;46(1):85–99
The effects of cis-platinum (II)diamminodichloride, UV light and N-methyl-N'-nitro-N-nitrosoguanidine on Escherichia coli:plasmid mediated resistance to mutagens. Jarosik GP, et al. Chem Biol Interact 1984 Sep 15; 51(2):247–59
The inhibition of ultraviolet radiation-induced DNA repair in human diploid fibroblasts by arabinofuranosyl nucleosides. Snyder RD, et al. Chem Biol Interact 1984 Jun;50(1):1–14
Ultra violet radiation-induced defects in accessory cell function in the human proliferative response to tetanus. Pretell JO, et al. Clin Exp Immunol 1984 Apr;56(1):105–13
Topical retinoic acid enhances the repair of ultraviolet damaged dermal connective tissue. Kligman LH, et al. Connect Tissue Res 1984;12(2):139–50
Ultraviolet irradiation of Rana pipiens embryos delays the migration of primordial germ cells into the genital ridges. Williams MA, et al. Differentiation 1984;26(3):220–6
Direct and indirect effects of ultraviolet light on the mutagenesis of parvovirus H-1 in human cells. Cornelis JJ, et al. EMBO J 1982;1(6):693–9
Enhanced mutagenesis parallels enhanced reactivation of herpes virus in a human cell line. Lytle CD, et al. EMBO J 1982;1(6):701–3
Metabolism of tRNA in near-ultraviolet-illuminated Escherichia coli. The tRNA repair hypothesis. Blanchetot A, et al. Eur J Biochem 1984 Mar 15;139(3):547–52
Inactivation of hepatitis A virus added to pooled human plasma by beta-propiolactone treatment and ultraviolet irradiation [letter] Frösner GG, et al. Eur J Clin Microbiol 1983 Aug;2(4):355–7
Temperature-induced ultraviolet absorption changes of heavy meromyosin. An application of a computerized spectrophotometer system. Yamada T, et al. FEBS Lett 1984 Mar 12;168(1):7–9
New aspects of the rec-lex repair functions. Sedliaková M, et al. Folia Biol (Praha) 1984;30 Spec No:129–31
Activation of promutagenic N-nitrosomorpholine and other

N-nitrosoalkylamines by near-ultraviolet irradiation in the presence of phosphates. Hayatsu H, et al. **Gann** 1984 Mar; 75(3):203-6

The effect of ultra-violet and visible radiation on CaSO4:Dy in Teflon discs used for personnel gamma-radiation monitoring. Calvert RL, et al. **Health Phys** 1984 Feb; 46(2):275-81

The destruction of peripheral-blood lymphocytes by extracorporeal exposure to ultraviolet radiation. Gunn A, et al. **Immunology** 1983 Nov;50(3):477-85

Systemic suppression of contact hypersensitivity by UVB radiation is unrelated to the UVB-induced alterations in the morphology and number of Langerhans cells. Morison WL, et al. **Immunology** 1984 Jun;52(2):299-306

Effects of ultraviolet irradiation on epidermal Langerhans cells in guinea-pigs. Nithiuthai S, et al. **Immunology** 1984 Jan;51(1):143-51

Effects of ultraviolet irradiation on the acquisition and expression of tick resistance in guinea-pigs. Nithiuthai S, et al. **Immunology** 1984 Jan;51(1):153-9

Effect of colchicine & methylated purines on UV-induced mitotic gene conversion in Saccharomyces cerevisiae. Vashishat RK, et al. **Indian J Exp Biol** 1983 Jul; 21(7):367-70

Inhibition of DNA chain elongation in Chinese hamster cells by damage localized behind the replication fork. Ben-Hur E, et al. **Int J Radiat Biol** 1984 May;45(5):505-14

Common repair pathways acting upon U.V.- and X-ray induced damage in diploid cells of Saccharomyces cerevisiae. Nunes E, et al. **Int J Radiat Biol** 1984 Jun; 45(6):593-606

Relative efficiencies of three ultraviolet radiation wavelengths for cell killing and transformation in mouse cells in vitro. Papadopoulo D, et al. **Int J Radiat Biol** 1983 Sep;44(3):241-9

Photoreactivation of U.V.-induced cytoplasmatic lesions in eggs of Sciara ocellaris. Perondini AL. **Int J Radiat Biol** 1984 Mar;45(3):257-60

Err.r-free uvr+-dependent inducible DNA repair in Escherichia coli B/r Hcr+ cells. Piršel M, et al. **Int J Radiat Biol** 1984 Apr;45(4):389-97

Lack of enhanced reactivation of simian virus 40 irradiated with van de Graaff electrons in U.V.-irradiated CV-1 monkey cells. Takimoto K. **Int J Radiat Biol** 1983 Dec; 44(6):653-7

Production and excision repair of cyclobutane-type pyrimidine dimers in the DNA of Turbatrix aceti. Targovnik HS, et al. **Int J Radiat Biol** 1984 Mar;45(3):261-5

Degradation of Escherichia coli DNA synthesized after ultraviolet irradiation in the absence of repair. Trgovçević Z, et al. **Int J Radiat Biol** 1984 Feb;45(2):193-6

Inducible reactivation of bacteriophage T7 damaged by methyl methanesulfonate or UV light. Dodson LA, et al. **J Bacteriol** 1983 Oct;156(1):13-8

Induction by UV light of the SOS function sfiA in Escherichia coli strains deficient or proficient in excision repair. Quillardet P, et al. **J Bacteriol** 1984 Jan;157(1):35-8

Escherichia coli xthA mutants are sensitive to inactivation by broad-spectrum near-UV (300- to 400-nm) radiation. Sammartano LJ, et al. **J Bacteriol** 1983 Nov;156(2):904-6

Postincision steps of photoproduct removal in a mutant of Bacillus cereus 569 that produces UV-sensitive spores. Weinberger S, et al. **J Bacteriol** 1983 Nov;156(2):909-13

Analysis of the interaction between DNA and major core protein in adenovirus chromatin by circular dichroism and ultraviolet light induced cross-linking. Sato K, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1031-9

Requirement of ATP for specific incision of ultraviolet-damaged DNA during excision repair in permeable human fibroblasts. Dresler SL, et al. **J Biol Chem** 1983 Oct 25;258(20):12269-73

Photochemical cross-linking of the Escherichia coli single-stranded DNA-binding protein to oligodeoxynucleotides. Identification of phenylalanine 60 as the site of cross-linking. Merrill BM, et al. **J Biol Chem** 1984 Sep 10;259(17):10850-6

Dependence of lethality induced by a direct DNA perturbation of synchronized human diploid fibroblasts on different periods of the DNA synthetic period (S phase). Tsutsui T, et al. **J Cell Physiol** 1984 Aug;120(2):219-24

Action spectrum for changes in spindle fibre birefringence after ultraviolet microbeam irradiations of single chromosomal spindle fibres in crane-fly spermatocytes. Sillers PJ, et al. **J Cell Sci** 1983 Jul;62:1-25

Reflection ultraviolet photography as surface photography of the skin. Kikuchi I, et al. **J Dermatol (Tokyo)** 1983 Dec; 10(6):551-9

In vitro study of chlorpromazine photosensitization: photoinactivation of bacteriophage RNA in the presence of chlorpromazine. Matsuo I, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):125-8

Further analysis of the effect of ultra-violet irradiation on the formation of the germ line in Xenopus laevis. Thomas V, et al. **J Embryol Exp Morphol** 1983 Aug;76:67-81

Arrest of intravitelline mitoses in Drosophila embryos by u.v. irradiation of the egg surface. Togashi S, et al. **J Embryol Exp Morphol** 1984 Apr;80:43-61

Isolation and properties of strains of Micrococcus (Deinococcus) radiodurans unable to excise ultraviolet light-induced pyrimidine dimers from DNA: evidence for two excision pathways. Moseley BE, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2437-45

The effect of plasmid R391 and other IncJ plasmids on the survival of Escherichia coli after UV irradiation. Pembroke JT, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1839-44

Effect of UV irradiation on macromolecular synthesis and colony formation in Bacteroides fragilis. Schumann JP, et al. **J Gen Microbiol** 1984 Apr;130 (Pt 4):771-7

The phosphorylation of ribosomal protein S6 in hamster fibroblasts infected with pseudorabies virus inactivated by ultraviolet radiation. Kennedy IM, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1621-4

Use of avidin-biotin-peroxidase complex for measurement of UV lesions in human DNA by microELISA. Leipold B, et al. **J Immunol Methods** 1984 Feb 10;66(2):227-34

The effect of in vitro and in vivo UV irradiation on the production of ETAF activity by human and murine keratinocytes. Ansel JC, et al. **J Invest Dermatol** 1983 Dec; 81(6):519-23

In vitro effect of UV radiation on immune function and membrane markers of human Langerhans cells. Czernielewski J, et al. **J Invest Dermatol** 1984 Jul;83(1):62-5

Alterations in lectin binding to the epidermis following treatment with 8-methoxypsoralen plus long-wave ultraviolet radiation. Danno K, et al. **J Invest Dermatol** 1984 Feb;82(2):176-9

Cutaneous photosensitization by 8-methoxypsoralen: order-dependent synergism between radiation less than 380 nm and broadband UVA. Gange RW, et al. **J Invest Dermatol** 1984 Jun;82(6):594-7

Ultraviolet radiation-induced connective tissue changes in the skin of hairless mice. Johnston KJ, et al. **J Invest Dermatol** 1984 Jun;82(6):587-90

Effect of infrared irradiation on the recoverable levels of free arachidonic acid and prostaglandins in human forearm skin. Juhlin L, et al. **J Invest Dermatol** 1983 Oct; 81(4):297-300

Modification of ultraviolet radiation effects on the membrane of myelinated nerve fibers by sulfhydryl compounds. Hof D, et al. **J Membr Biol** 1984;79(1):1-6

Restriction enzyme cleavage of ultraviolet-damaged simian virus 40 and pBR322 DNA. Cleaver JE. **J Mol Biol** 1983 Oct 25;170(2):305-17

Effect of umuC mutations on targeted and untargeted ultraviolet mutagenesis in bacteriophage lambda. Maenhaut-Michel G, et al. **J Mol Biol** 1984 Jul 25; 177(1):181-7

Changes in DNA base sequence induced by targeted mutagenesis of lambda phage by ultraviolet light. Wood RD, et al. **J Mol Biol** 1984 Mar 5;173(3):273-91

Non-targeted mutagenesis of unirradiated lambda phage in Escherichia coli host cells irradiated with ultraviolet light. Wood RD, et al. **J Mol Biol** 1984 Mar 5;173(3):293-305

Defective photoproduction of cholecalciferol in normal and uremic humans. Jacob AI, et al. **J Nutr** 1984 Jul; 114(7):1313-9

The development of a biological indicator for validating ultraviolet radiation sterilization of polyethylene bottles. Abshire RL, et al. **J Parenter Sci Technol** 1983 Sep-Oct; 37(5):191-7

An examination of the sterilization of eye drops using ultra-violet light. Box JA, et al. **J Parenter Sci Technol** 1984 May-Jun;38(3):115-21

Effects of maternal ultraviolet B irradiation on vitamin D content of human milk. Greer FR, et al. **J Pediatr** 1984 Sep;105(3):431-3

Effects of UV irradiation on embryonic development of different inbred strains of the fish Oryzias latipes. Hyodo-Taguchi Y. **J Radiat Res (Tokyo)** 1983 Sep; 24(3):221-8

Evidence for conformational changes in tyrosinase during photoinactivation. Khan IA, et al. **J Radiat Res (Tokyo)** 1983 Jun;24(2):154-64

Increase in the apparent sensitivity of HeLa cells on a membrane filter to ultraviolet radiation. Shinohara K, et al. **J Radiat Res (Tokyo)** 1983 Dec;24(4):339-44

Bacteriophage T4 bypass31 mutations that make gene 31 nonessential for bacteriophage T4 replication: mapping bypass31 mutations by UV rescue experiments. Doermann AH, et al. **J Virol** 1984 Aug;51(2):315-20

Involvement of DNA polymerase alpha in host cell reactivation of UV-irradiated herpes simplex virus. Nishiyama Y, et al. **J Virol** 1984 Feb;49(2):598-600

UV irradiation impairs in vivo encapsidation of bacteriophage T4 DNA. Zachary A, et al. **J Virol** 1984 May;50(2):293-300

Effects of mechlorethamine (HN2, nitrogen mustard) on UV-induced carcinogenesis in hairless mouse skin. Epstein JH. **JNCI** 1984 Feb;72(2):383-5

Short-wave ultraviolet irradiation increases photo-affinity labeling of benzodiazepine sites. Herblin WF, et al. **Life Sci** 1984 Jul 16;35(3):317-24

Effects of ultraviolet radiation on the tension and the cyclic GMP level of bovine mesenteric arteries. Karlsson JO, et al. **Life Sci** 1984 Apr 16;34(16):1555-63

Increased unscheduled DNA synthesis in aged human diploid fibroblasts. Hasegawa N, et al. **Mech Ageing Dev** 1984 Jun; 25(3):297-305

UV non-mutable mutant from V-79 Chinese hamster cells. Chatterjee S, et al. **MGG** 1984;193(2):251-4

Repair of UV-irradiated plasmid DNA in a Saccharomyces cerevisiae rad3 mutant deficient in excision-repair of pyrimidine dimers. Dominski Z, et al. **MGG** 1984; 193(1):167-71

UV inducible UV protection and mutation functions on the I group plasmid TP110. Dowden SB, et al. **MGG** 1984; 193(2):316-21

UV-induced reversion of his4 frameshift mutations in rad6, rev1, and rev3 mutants of yeast. Lawrence CW, et al. **MGG** 1984;195(3):487-90

Near-ultraviolet radiation blocks SOS responses to DNA damage in Escherichia coli. Turner MA, et al. **MGG** 1984; 193(1):33-7

Sensitivity to UV radiation of small nuclear RNA synthesis in mammalian cells. Eliceiri GL, et al. **Mol Cell Biol** 1983 Dec;3(12):2151-5

DNA-mediated cotransfer of excision repair capacity and drug resistance into chinese hamster ovary mutant cell line UV-135. MacInnes MA, et al. **Mol Cell Biol** 1984 Jun; 4(6):1152-8

UV irradiation induces an activity which stimulates Simian virus 40 rescue upon cell fusion. Nomura S, et al. **Mol Cell Biol** 1984 Jun;4(6):1159-62

Enhanced transformation of human cells by UV-irradiated pSV2 plasmids. Spivak G, et al. **Mol Cell Biol** 1984 Jun; 4(6):1169-71

UV radiation facilitates methotrexate resistance and amplification of the dihydrofolate reductase gene in cultured 3T6 mouse cells. Tlsty TD, et al. **Mol Cell Biol** 1984 Jun;4(6):1050-6

Simultaneous demonstration of UV-type and ionizing radiation-type DNA repair by the nucleoid sedimentation technique. Aldenhoff P, et al. **Mutat Res** 1984 Mar-Apr; 131(3-4):137-42

A system for the detection of chromosomal rearrangements using Sordaria macrospora. Arnaise S, et al. **Mutat Res** 1984 Jan;125(1):33-42

Interaction of far- and near-ultraviolet radiation. The occurrence of photo-augmentation and photo-recovery in cultured mammalian cells. Boer J, et al. **Mutat Res** 1984 Feb;125(2):283-9

Relationships between functionality and genetic toxicology of selected DNA-damaging agents. Brendel M, et al. **Mutat Res** 1984 Jan;133(1):51-85 (215 ref.)

The effect of post-UV dark incubation on survival of chick-embryo fibroblasts after photoreactivation. Bronk BV, et al. **Mutat Res** 1984 Jul-Aug;132(1-2):33-9

Inhibition of the UV induction of sister-chromatid exchanges in ICR-2A frog cells by pretreatment with gamma-rays. Chao CC, et al. **Mutat Res** 1984 Jan;139(1):35-9

Replicative intermediates in UV-irradiated simian virus 40. Clark JM, et al. **Mutat Res** 1984 Jul-Aug;132(1-2):1-14

The use of an immunological probe to measure the kinetics of DNA repair in normal and UV-sensitive mammalian cell lines. Clarkson JM, et al. **Mutat Res** 1983 Oct; 112(5):287-99

UV irradiation alters deoxynucleoside triphosphate pools in Escherichia coli. Das SK, et al. **Mutat Res** 1984 Mar-Apr; 131(3-4):97-100

Abnormal sensitivity of some Cockayne's syndrome cell strains to UV- and gamma-rays. Association with a reduced ability to repair potentially lethal damage. Deschavanne PJ, et al. **Mutat Res** 1984 Feb;131(2):61-70

Genetic damage in Salmonella typhimurium by near-ultraviolet radiation. Lack of repair by plasmid pKM101. Eisenstark A. **Mutat Res** 1983 Dec; 122(3-4):267-72

Effects of ultraviolet irradiation on the cell cycle in normal and UV-sensitive cell lines with reference to the nature of the defect in xeroderma pigmentosum variant. Imray P, et al. **Mutat Res** 1983 Oct;112(5):301-9

UV-induced recessive lethals in uvs strains of Neurospora which are deficient in UV mutagenesis. Käfer E. **Mutat Res** 1984 Sep;128(2):137-46

The rate of removal of pyrimidine dimers in quiescent cultures of normal human and xeroderma pigmentosum cells. Kantor GJ, et al. **Mutat Res** 1984 Jul-Aug; 132(1-2):21-31

DNA repair in cultured mouse cells of increasing population doubling level. La Belle M, et al. **Mutat Res** 1984 Jul-Aug; 132(1-2):51-61

Mutation induction by 365-nm radiation and far-ultraviolet light in Escherichia coli strains differing in near- and far-ultraviolet light sensitivity. Leonardo JM, et al. **Mutat Res** 1984 Mar;126(1):1-8

Effects of recB, recF and uvrA mutations on Weigle reactivation of lambda phages in Escherichia coli K12 treated with 8-methoxypsoralen or angelicin and 365-nm light. Lichtenberg B, et al. **Mutat Res** 1983 Oct; 112(5):253-60

Resistance to nitrofurantoin and UV-irradiation in recA; uvrA; and uvrA, lexA, Escherichia coli mutants conferred by an R-plasmid from an Escherichia coli clinical isolate. Obaseiki-Ebor EE. **Mutat Res** 1984 Jan;139(1):5-8

Effect of prior X-irradiation on ultraviolet light-induced sister-chromatid exchange. Painter RB, et al. **Mutat Res** 1984 Mar;139(3):123-6

Sodium butyrate affects the cytotoxic and mutagenic response of V79 Chinese hamster cells to the genotoxic agents, daunorubicin and U.V. radiation. Pani B, et al. **Mutat Res** 1984 Aug;140(4):175-9

Mutagenic effects of 3-carbethoxypsoralen and 8-methoxypsoralen plus 365-nm irradiation in mammalian cells. Papadopoulo D, et al. **Mutat Res** 1983 Dec; 124(3-4):287-97

Differential effects of UV protecting plasmid pKM101 and its derivative pGW16 on phleomycin sensitivity and

mutagenesis in S. typhimurium. Podger DM, et al. **Mutat Res** 1984 Jun-Jul;140(2-3):87-91

The effect of spermine on spontaneous and UV-induced mutations in Schizosaccharomyces pombe. Prendergast JA, et al. **Mutat Res** 1984 Feb;125(2):205-11

Signal of induction of recA protein in E. coli. Salles B, et al. **Mutat Res** 1984 Feb;131(2):53-9

Lethality and the depression of DNA synthesis in UV-irradiated normal human and xeroderma pigmentosum cells. Shinohara K. **Mutat Res** 1983 Dec;122(3-4):385-9

Excision repair participates in the Weigle reactivation of ultraviolet light-irradiated phi X174 double-stranded DNA. Silber JR, et al. **Mutat Res** 1984 Jan;131(1):1-10

UV-induced imbalance of the deoxyribonucleoside triphosphate pool in E. coli. Suzuki K, et al. **Mutat Res** 1983 Dec;122(3-4):293-8

A UV-resistant mutant without an increased repair synthesis activity, established from a UV-sensitive human clonal cell line. Suzuki N. **Mutat Res** 1984 Jan;125(1):55-63

Phototoxicity and mutagenicity of 4,5'-dimethylangelicin and long-wave ultraviolet irradiation in Chinese hamster cells and human skin fibroblasts. Swart RN, et al. **Mutat Res** 1983 Dec;124(3-4):271-9

Respiration shutoff in Escherichia coli K12 strains is induced by far ultraviolet radiations and by mitomycin C. Swenson PA, et al. **Mutat Res** 1984 Mar;139(3):107-10

Lack of enhanced mutation of UV- and gamma-irradiated herpes virus in UV-irradiated CV-1 monkey cells. Takimoto K. **Mutat Res** 1983 Sep;121(3-4):159-66

Effect of post-irradiation inhibition of protein synthesis on UV-induced mitotic gene conversion in Saccharomyces cerevisiae. Vashishat RK, et al. **Mutat Res** 1983 Dec; 122(3-4):305-8

Inhibition and recovery of the rate of DNA synthesis in V79 Chinese hamster cells following ultraviolet light irradiation. Variation in the rate of movement of the replication fork. Ventura AM, et al. **Mutat Res** 1984 Feb;131(2):81-8

Repair resynthesis in Escherichia coli mutants deficient in single-stranded DNA-binding protein. Whittier RF, et al. **Mutat Res** 1983 Oct;112(5):275-86

Photoreactivation of UV damage in Sminthopsis crassicaudata. Wilkins RJ. **Mutat Res** 1983 Oct; 111(2):263-76

A multicopy phr-plasmid increases the ultraviolet resistance of a recA strain of Escherichia coli. Yamamoto K, et al. **Mutat Res** 1984 Jan;131(1):11-8

A new procedure for determining thymine residues in DNA sequencing. Photoinduced cleavage of DNA fragments in the presence of spermine. Saito I, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2879-85

Lysogenization of ultraviolet-irradiated Escherichia coli with lambda: dependence on the recA and recB gene products. Salaj-Smic E, et al. **Nucleic Acids Res** 1984 Feb 10;12(3):1563-72

Differential inhibition of cellular RNAs by photosensitized trioxalen. Shames B, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6453-64

Influence of dietary lipid upon ultraviolet-light carcinogenesis. Black HS, et al. **Nutr Cancer** 1983; 5(2):59-68

Photobiology in space: an experiment on Spacelab I. Horneck G, et al. **Orig Life** 1984;14(1-4):825-32

9th International Congress on Photobiology and 12th annual meeting of the American Society for Photobiology. Abstracts of papers. Philadelphia, Pennsylvania, 1-6 July 1984. **Photochem Photobiol** 1984 May;39 Suppl:1S-120S

Genotoxicity of the natural furochromones, khellin and visnagin and the identification of a khellin-thymine photoadduct. Abeysekera BF, et al. **Photochem Photobiol** 1983 Sep;38(3):311-5

4,4',6-Trimethylangelicin, a new very photoreactive and non skin-phototoxic monofunctional furocoumarin. Baccichetti F, et al. **Photochem Photobiol** 1984 Apr;39(4):525-9

Actinic reticuloid--an idiopathic photodermatosis with cellular sensitivity to near ultraviolet radiation. Botcherby PK, et al. **Photochem Photobiol** 1984 May;39(5):641-9

Transmission of UV-radiation through human epidermal layers as a factor influencing the minimal erythema dose. Bruls WA, et al. **Photochem Photobiol** 1984 Jan;39(1):63-7

UV-lysogenic induction of lambda phage in lexA1 mutants of Escherichia coli: kinetics of the process. Carvalho RE, et al. **Photochem Photobiol** 1984 May;39(5):619-23

Mutagenic and recombinogenic effects of DNA cross-links induced in yeast by 8-methoxypsoralen photoaddition. Cassier C, et al. **Photochem Photobiol** 1984 Jun; 39(6):799-803

Photosensitization by methotrexate photoproducts. Chahidi C, et al. **Photochem Photobiol** 1983 Sep;38(3):317-22

Irradiation of circular DNA with 254 nm radiation or sensitization in the presence of Ag+: evidence for unwinding by photoproducts other than pyrimidine dimers. Ciarrocchi G, et al. **Photochem Photobiol** 1983 Sep; 38(3):259-63

Quantification of pyrimidine dimers and apurinic sites in DNAs of uniform length. Ciomei M, et al. **Photochem Photobiol** 1984 May;39(5):593-6

The induction of erythema, edema, and the polyamine synthesis enzymes ornithine decarboxylase and S-adenosyl-L-methionine decarboxylase in hairless mouse skin by psoralens and longwave ultraviolet light. Connor MJ, et al. **Photochem Photobiol** 1984 Jun;39(6):787-92

Action spectra (254-302 nm) for four human photosensitive cell lines. Coohill TP, et al. **Photochem Photobiol** 1983 Jul; 38(1):105-7

Follow up on systemic influence of partial pre-irradiation on UV-tumorigenesis. De Gruijl FR, et al. **Photochem Photobiol** 1983 Sep;38(3):381-3

The lethal effect of longwave ultraviolet light and PUVA. An analysis based upon human mesenchymal cells in vitro. de Jongh G, et al. **Photochem Photobiol** 1984 May; 39(5):625-9

Mutational interactions between near-UV radiation and DNA damaging agents in Escherichia coli: the role of near-UV-induced modifications in growth and macromolecular synthesis. De Moraes EC, et al. **Photochem Photobiol** 1983 Jul;38(1):57-63

Formation of pyrimidine dimers in Simian virus 40 chromosomes and DNA in vitro: effects of salt. Edenberg HJ. **Photochem Photobiol** 1984 May;39(5):587-91

The action of ultraviolet radiation on the cell proliferation of two-cell mouse embryos. Endoh H, et al. **Photochem Photobiol** 1983 Nov;38(5):545-50

Photobiological activity of 4-methylpsoralen and 4-methyl-4',5'-dihydropsoralen with respect to lethal and mutagenic effects on E. coli, and prophage induction. Fujita H. **Photochem Photobiol** 1984 Jun;39(6):835-9

Effects of 8-methoxypsoralen plus near-ultraviolet light on the nematode Caenorhabditis elegans. Fujita H, et al. **Photochem Photobiol** 1984 Jun;39(6):831-4

Mechanisms of photosensitization. Girotti AW. **Photochem Photobiol** 1983 Dec;38(6):745-51 (65 ref.)

Photoaddition of 8-methoxypsoralen to E. coli DNA polymerase I. Role of psoralen photoadducts in the photosensitized alterations of pol I enzymatic activities. Granger M, et al. **Photochem Photobiol** 1983 Nov; 38(5):563-8

Effect of UV light on humans. Greiter F, et al. **Photochem Photobiol** 1984 Jun;39(6):869-73 (35 ref.)

Induction of DNA-protein cross-linking in Chinese hamster cells by monochromatic 365 and 405 nm ultraviolet light. Han A, et al. **Photochem Photobiol** 1984 Mar;39(3):343-8

UV irradiation of wild type and radiation-sensitive mutants of the nematode Caenorhabditis elegans: fertilities, survival, and parental effects. Hartman PS. **Photochem Photobiol** 1984 Feb;39(2):169-75

Vacuum UV laser induced scission of simian virus 40 DNA. Johnson-Thompson M, et al. **Photochem Photobiol** 1984 Jan;39(1):17-24

Oxygen requirement for near-UV mediated cytotoxicity of phenylheptatriyne to Escherichia coli. Kagan J, et al. **Photochem Photobiol** 1984 Apr;39(4):465-7

Action spectrum for anthracene-induced photosensitization of human skin. Kaidbey KH, et al. **Photochem Photobiol** 1984 Mar;39(3):375-8

Leakage of 86Rb+ after ultraviolet irradiation of Escherichia coli K-12. Kelland LR, et al. **Photochem Photobiol** 1984 Mar;39(3):329-35

UV-induced elevation of skin glycosaminoglycan levels I: rapid measurement of skin glycosaminoglycans by titration with acridine orange. Menter JM, et al. **Photochem Photobiol** 1983 Oct;38(4):481-6

Photosensitization drugs: nalidixic and oxolinic acids. Moore DE, et al. **Photochem Photobiol** 1984 Jan;39(1):57-61

Photoreactivation of UV-killing in Vibrio parahaemolyticus WP28. Okaichi K, et al. **Photochem Photobiol** 1984 Jun; 39(6):771-3

Light activation of a complex mixture: effects of UV excision repair on the modulation of genotoxic and molecular events in Chinese hamster cells. Okinaka RT, et al. **Photochem Photobiol** 1984 Mar;39(3):353-8

DNA breakage caused by 334-nm ultraviolet light is enhanced by naturally occurring nucleic acid components and nucleotide coenzymes. Peak JG, et al. **Photochem Photobiol** 1984 May;39(5):713-6

Ultraviolet action spectra for aerobic and anaerobic inactivation of Escherichia coli strains specifically sensitive and resistant to near ultraviolet radiations. Peak JG, et al. **Photochem Photobiol** 1983 Nov;38(5):541-3

Comparison of effects of UVA, UVB and UVC on growth and viability of mitogen-stimulated human peripheral blood cells. Pretell JO, et al. **Photochem Photobiol** 1984 Mar; 39(3):369-74

Induction of DNA strand breaks in normal human fibroblasts exposed to monochromatic ultraviolet and visible wavelengths in the 240-546 nm range. Rosenstein BS, et al. **Photochem Photobiol** 1983 Jul;38(1):51-5

Doxycycline induced photodamage to human neutrophils and tryptophan. Sandberg S, et al. **Photochem Photobiol** 1984 Jan;39(1):43-8

The modification of ribonuclease-A by near ultraviolet irradiation in the presence of psoralen. Schiavon O, et al. **Photochem Photobiol** 1984 Jan;39(1):25-30

Photochemical damage to DNA treated with chlorpromazine and near UV radiation under aerobic and anaerobic conditions. Schothorst AA, et al. **Photochem Photobiol** 1983 Dec;38(6):659-64

Excited states of DNA and its components at room temperature--V. Spectral, polarization and quantum yield studies of cytidylyl-(3',5')-adenosine. Shaar CS, et al. **Photochem Photobiol** 1984 Jun;39(6):747-53

Inducible postreplication repair is responsible for minimal medium recovery in UV-irradiated Escherichia coli K-12. Sharma RC, et al. **Photochem Photobiol** 1983 Sep; 38(3):301-3

Photoreaction of 4', 5'-dihydropsoralen with thymine. Shim SC, et al. **Photochem Photobiol** 1983 Sep;38(3):369-72

Survival and pyrimidine dimers in cultured fish cells exposed to concurrent sun lamp ultraviolet and photoreactivating radiations. Shima A, et al. **Photochem Photobiol** 1984 Jan; 39(1):49-56

Photodynamic damage and its repair in Vibrio cholerae. Sil K, et al. **Photochem Photobiol** 1983 Aug;38(2):185-92

UV-induction of SOS responses in Staphylococcus epidermidis: characteristics of the process. Silva BS, et al. **Photochem Photobiol** 1984 Jun;39(6):781-5

Role of the supX gene in sensitizing Salmonella typhimurium cells to respiration shutoff induced by far ultraviolet irradiation. Swenson PA, et al. **Photochem Photobiol** 1983 Sep;38(3):305-10

Evaluation of DNA crosslinks and monoadducts in mouse embryo fibroblasts after treatment with mono- and bifunctional furocoumarins and 365 nm (UVA) irradiation. possible relationship to carcinogenicity. Szafarz D, et al. **Photochem Photobiol** 1983 Nov;38(5):557-62

Lethal action of ultraviolet and visible (blue-violet) radiations at defined wavelengths on human lymphoblastoid cells: action spectra and interaction sites. Tyrrell RM, et al. **Photochem Photobiol** 1984 Feb;39(2):183-9

The lon gene and photoprotection in Escherichia coli K-12. Waksman G, et al. **Photochem Photobiol** 1984 Mar; 39(3):337-42

Rich growth medium enhances ultraviolet radiation sensitivity and inhibits cell division in ssb mutants of Escherichia coli K-12. Wang TV, et al. **Photochem Photobiol** 1984 Jun;39(6):793-7

Transitory UV resistance during germination of UV-sensitive spores produced by a mutant of Bacillus cereus 569. Weinberger S, et al. **Photochem Photobiol** 1984 Jun; 39(6):775-80

Prophage induction, mutagenesis and cell survival of Ames' mutagen tester strains after 8-methoxypsoralen plus ultraviolet light-A. Wheeler LA, et al. **Photochem Photobiol** 1983 Oct;38(4):399-405

Detection of DNA-psoralen photoadducts in situ. Zarębska Z, et al. **Photochem Photobiol** 1984 Mar;39(3):307-12

A preliminary study on photoaddition and erythema due to UVB radiation. Diffey BL, et al. **Phys Med Biol** 1984 Apr; 29(4):419-25

The suitability of diazochrome KBL film for UV dosimetry. Moseley H, et al. **Phys Med Biol** 1984 Jun;29(6):679-86

An on-line ultraviolet radiation monitoring system for control of photosensitivity test dose. Mountford PJ, et al. **Phys Med Biol** 1984 Apr;29(4):407-17

Treatment of infected skin wounds using ultra-violet radiation--an in-vitro study. High AS, et al. **Physiotherapy** 1983 Oct 10;69(10):359-60

Effect of ultraviolet radiation on production of epidermal cell thymocyte-activating factor/interleukin 1 in vivo and in vitro. Gahring L, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1198-202

Fibroblasts from patients with hereditary cutaneous malignant melanoma are abnormally sensitive to the mutagenic effect of simulated sunlight and 4-nitroquinoline 1-oxide. Howell JN, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1179-83

groEL and dnaK genes of Escherichia coli are induced by UV irradiation and nalidixic acid in an htpR+-dependent fashion. Krueger JH, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1499-503

Exposure of nondividing populations of primary human fibroblasts to UV (254 nm) radiation induces a transient enhancement in capacity to repair potentially lethal cellular damage. Tyrrell RM. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):781-4

Killing of bacteria during solar eclipse and its biological implications. Banerjee SK, et al. **Radiat Environ Biophys** 1983;22(3):235-8

Comparisons of the effects of vacuum-uv and far-uv synchrotron radiation on dry yeast cells of different uv sensitivities. Hieda K, et al. **Radiat Res** 1984 Apr; 98(1):74-81

Synchrotron system for monochromatic uv irradiation (greater than 140 nm) of biological material. Ito T, et al. **Radiat Res** 1984 Apr;98(1):65-73

Wavelength dependence of inactivation and membrane damage to Saccharomyces cerevisiae cells by monochromatic synchrotron vacuum-uv radiation (145-190 nm). Ito T, et al. **Radiat Res** 1983 Dec; 96(3):532-48

Sensitivity of cell subpopulations obtained from a heterogeneous human colon adenocarcinoma to ultraviolet light [letter] Loeffler J, et al. **Radiat Res** 1983 Oct; 96(1):211-7

Stability of DNA in mammalian cells irradiated with near-uv light (uv-a). Lönn U. **Radiat Res** 1984 Sep;99(3):659-64

Action spectra for inactivation of dry phage T1 after monochromatic (150-254 nm) synchrotron irradiation in the presence and absence of photoreactivation and dark repair. Maezawa H, et al. **Radiat Res** 1984 May; 98(2):227-33

Heat-shock induction of ultraviolet light resistance in Saccharomyces cerevisiae. Mitchel RE, et al. **Radiat Res** 1983 Oct;96(1):95-9

Similar ultraviolet action spectra for the protection by glycerol of transforming DNA against single-strand breaks and inactivation of biological activity. Peak JG, et al.

Radiat Res 1984 Mar;97(3):570–5

An approach to the use of synchrotron radiation for investigating radiation effects on cultured mammalian cells in the range from 160 to 254 nm. Shinohara K, et al. **Radiat Res** 1984 Jan;97(1):211–5

A depression technique of the epidermal Langerhans cell in cadaver split skin. Alsbjörn B. **Scand J Plast Reconstr Surg** 1984;18(1):61–4

The ultraviolet receptor of bird retinas. Chen DM, et al. **Science** 1984 Jul 20;225(4659):337–40

Antigenic similarity between cells transformed by ultraviolet radiation in vitro and in vivo. Fisher MS, et al. **Science** 1984 Feb 10;223(4636):593–4

Prolongation of rat islet allograft survival by direct ultraviolet irradiation of the graft. Lau H, et al. **Science** 1984 Feb 10;223(4636):607–9

Quantitative studies on sunburn cell formation in mouse epidermis. Obata M. **Tohoku J Exp Med** 1983 Aug; 140(4):395–405

Prolongation of rat islet allografts with the use of ultraviolet irradiation, without immunosuppression. Hardy MA, et al. **Transplant Proc** 1984 Jun;16(3):865–9

Transfer of immunological tolerance to ultraviolet-radiation-induced skin tumors with grafts of ultraviolet-irradiated skin. Palaszynski EW, et al. **Transplantation** 1983 Oct;36(4):465–6

Cross-sensitivity between interferon and uv in human cell strains: IFr, HEC-1, and CRL1200. Suzuki N, et al. **Virology** 1984 May;135(1):20–9

Photoinactivation of Propionibacterium acnes by near-ultraviolet light. Kjeldstad B. **Z Naturforsch [C]** 1984 Mar–Apr;39(3–4):300–2

[Studies on cell cycle kinetics and frequencies of sister chromatid exchange with UPG (ultraviolet radiation plus giemsa) method in patients with hemopoietic malignancies] Pen GB. **Chung Hua Nei Ko Tsa Chih** 1984 Feb;23(2):65–9 (Eng. Abstr.) **(Chi)**

[Prostaglandins, smooth muscle and ultraviolet rays] Famaey JP, et al. **Acta Belg Med Phys** 1983 Apr–Jun;6(2):61–6 (Eng. Abstr.) **(Fre)**

[Binding of 8-methoxysporalen to isolated human spermatozoa in darkness and following UVA irradiation in vitro] Meffert H, et al. **Dermatol Monatsschr** 1984; 170(6):367–70 (Eng. Abstr.) **(Ger)**

[Studies in experimental animal models of the effect of ultraviolet radiation (UVC) on blood and isolated cell populations] Repke H, et al. **Folia Haematol (Leipz)** 1984; 111(1):50–9 (Eng. Abstr.) **(Ger)**

[UV irradiation of the peritoneal dialysis solution for the prevention of peritonitis] Tolon M, et al. **Klin Wochenschr** 1983 Nov 15;61(22):1137–9 (Eng. Abstr.) **(Ger)**

[Effects of 5-bromouracil and 5-bromodeoxyuridine in combination with 8-aza-adenine on the UV sensitivity of bacteria] Jacob HE, et al. **Z Allg Mikrobiol** 1983; 23(8):495–501 (11 ref.) (Eng. Abstr.) **(Ger)**

[Quantitative studies on sunburn cell formation in mouse epidermis—interactions of various wavelengths] Obata M. **Nippon Hifuka Gakkai Zasshi** 1983 Jul;93(8):811–7 **(Jpn)**

[Effect of ultraviolet rays on erythropoiesis in the guinea pig] Miętkiewski E, et al. **Ann Acad Med Stetin** 1983; 29:205–13 (20 ref.) (Eng. Abstr.) **(Pol)**

[Use of ultraviolet-irradiated autoblood to treat inflammatory diseases of the female genital organs] Grishenko VI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):52–5 (4 ref.) (Eng. Abstr.) **(Rus)**

[Electrical breakdown of erythrocyte membranes during UV-radiation] Gavelia NV, et al. **Biofizika** 1983 Sep–Oct; 28(5):882–3 (Eng. Abstr.) **(Rus)**

[Changes in erythrocyte and thrombocyte aggregation after ultraviolet irradiation] Murina MA, et al. **Biofizika** 1984 Jan–Feb;29(1):92–5 (Eng. Abstr.) **(Rus)**

[Electric stability of liposome membranes in UV-induced lipid peroxidation] Puchkova TV, et al. **Biofizika** 1983 Nov–Dec;28(6):1014–8 (Eng. Abstr.) **(Rus)**

[Role of DNA damage in the inactivation of Saccharomyces cerevisiae yeasts by 313-nm ultraviolet light] Pospelov ME, et al. **Biol Nauki** 1984;(1):35–7 (Eng. Abstr.) **(Rus)**

[Distant-optical interaction of mitochondria through quartz] Bat'ianov AP. **Biull Eksp Biol Med** 1984 Jun;97(6):675–7 (Eng. Abstr.) **(Rus)**

[Reactivation of UV-irradiated plasmid-transforming DNA by Saccharomyces cerevisiae yeast cells] Bekker ML, et al. **Dokl Akad Nauk SSSR** 1983;272(3):710–2 **(Rus)**

[Action of UV irradiation on the surface of lymphoid cells] Krylenkov VA, et al. **Dokl Akad Nauk SSSR** 1983 Jul–Aug; 271(1):219–23 **(Rus)**

[Molecular nature of direct gene mutations induced by gamma and ultraviolet irradiation in Saccharomyces cerevisiae yeasts] Ivanov EL, et al. **Genetika (Moskva)** 1983 Jul;19(7):1063–9 (Eng. Abstr.) **(Rus)**

[Action of plasmid ColIb-P9 on the survival after ultraviolet irradiation and on the mutagenesis of the imiC, uvm, recL, uvrE and tif1 sfiA lexA spr mutants of Escherichia coli K-12 cells] Kopylov VM, et al. **Genetika (Moskva)** 1983 Aug;19(8):1221–6 (Eng. Abstr.) **(Rus)**

[Radiosensitive mutants of Drosophila. VI. The effect of ultraviolet rays and methylmethane sulfonate on the viability and incidence of chromosome aberrations in the somatic cells of mutant mus(2)201G1] Levina VV, et al. **Genetika (Moskva)** 1984 Mar;20(3):416–24 (Eng. Abstr.) **(Rus)**

[Dissociation of amino acid complexes from DNA during exposure to long-wave UV light] Mil' EM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):925–8 (Eng. Abstr.) **(Rus)**

[Comparison of the action of UV radiation- and Fe2+-induced lipid peroxidation on sarcoplasmic reticulum membranes] Rubtsov BV, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Mar–Apr;(2):299–302 (Eng. Abstr.) **(Rus)**

[Method of reinfusion of autogenous UV-irradiated blood in the treatment of patients with phlegmon of the mouth floor] Karandashov VI, et al. **Klin Khir** 1984 Jan;(1):54–6 (Eng. Abstr.) **(Rus)**

[Comparison of the action of powerful pulses of ultrashort UV on the DNA replication and transcription functions in proliferating and resting HeLa cells] Karu TI, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):17–20 (Eng. Abstr.) **(Rus)**

[Effect of pulse laser UV-radiation on proliferating and resting HeLa tumor cells] Karu TI, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):273–6 (Eng. Abstr.) **(Rus)**

[Radiosensitive mutants of yeast-Saccharomyces with disruptions in the cell division cycle. Cell inactivation by restrictive temperature, ultra-violet and ionizing radiation in relation to the passage of the generated cycle] Landa SB, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):173–9 (Eng. Abstr.) **(Rus)**

[Method of influenza virus UV inactivation applied to the manufacture of an inactivated chromatographic influenza vaccine] Zheleznova NV. **Tr Inst Pastera** 1982;59:81–8 **(Rus)**

[Functional and structural changes in the surface of human erythrocytes after irradiation with UV rays of various wave lengths. II. Alcian blue sorption by the outer membrane components] Artsishevskaia RA, et al. **Tsitologiia** 1983 Dec; 25(12):1387–92 (Eng. Abstr.) **(Rus)**

[Glycoprotein desorption from the surface of human peripheral blood lymphocytes after irradiation with short-wave UV rays] Artsishevskaia RA, et al. **Tsitologiia** 1984 Feb;26(2):209–14 (Eng. Abstr.) **(Rus)**

[Daughter DNA synthesis in UV-resistant and UV-sensitive Chinese hamster clones cells under UV irradiation] Barenfel'd LS. **Tsitologiia** 1984 Mar;26(3):343–8 (Eng. Abstr.) **(Rus)**

[Excision of UV-induced pyrimidine dimers from the DNA of Chinese hamster cells of the CHO line] Barenfel'd LS, et al. **Tsitologiia** 1983 Oct;25(10):1173–8 (Eng. Abstr.) **(Rus)**

[DNA repair in the UV irradiation of human peripheral blood lymphocytes (healthy donors and xeroderma pigmentosum patients) in relation to the dedifferentiation process in phytohemagglutinin exposure] Genter EI, et al. **Tsitologiia** 1984 May;26(5):599–604 (Eng. Abstr.) **(Rus)**

[Effect of low-intensity periodic-impulse laser UV radiation on the nucleic acid synthesis rate in proliferating and resting cells] Karu TI, et al. **Tsitologiia** 1983 Oct;25(10):1207–12 (Eng. Abstr.) **(Rus)**

[Functional and structural changes in the surface of human erythrocytes after irradiation with UV rays of various wave lengths. I. The expression of ABO and rhesus system antigens] Samollova KA, et al. **Tsitologiia** 1983 Dec; 25(12):1378–86 (Eng. Abstr.) **(Rus)**

[Release of substances from human peripheral blood lymphocytes irradiated by short-wave UV rays] Samollova KA, et al. **Tsitologiia** 1984 Jan;26(1):102–8 (Eng. Abstr.) **(Rus)**

[Water-soluble proteins of normal and cataractous human lenses and their resistance to the effects of ultraviolet and visible light] Birich TV, et al. **Vestn Oftalmol** 1984 Jul–Aug; (4):64–6 (Eng. Abstr.) **(Rus)**

[Experimental and clinical studies of UV irradiation-treated soft water] Beskrovnyĭ AM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):62–3 **(Rus)**

[The effect of ultraviolet irradiation on the protozoan Tetrahymena pyriformis] Ništiar F, et al. **Vet Med (Praha)** 1983 Jul;28(7):443–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

The immediate action of long-wave ultraviolet radiation (UVA) on suprabasal melanocytes in human skin: a transmission electron microscopical study. Beitner H, et al. **Acta Derm Venereol (Stockh)** 1983;63(4):328–34

Damage of the cornea epithelium caused by ultraviolet radiation. A scanning electron microscopic study in rabbit. Ringvold A. **Acta Ophthalmol (Copenh)** 1983 Oct; 61(5):898–907

Rabbit eye exposure to broad-spectrum fluorescent light. Pitts DG, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1983; 159:1–54

The determinants of actinic skin damage: problems of confounding among environmental and constitutional variables. Holman CD, et al. **Am J Epidemiol** 1984 Sep; 120(3):414–22

The ultraviolet sensitivity of Cockayne syndrome cells is not a consequence of reduced cellular NAD content. Mayne LV, et al. **Am J Hum Genet** 1984 Mar;36(2):311–9

Ultraviolet-B damages corneal endothelium. Cullen AP, et al. **Am J Optom Physiol Opt** 1984 Jul;61(7):473–8

Ultraviolet light, cataracts, and spectacle wear. Wojno T, et al. **Ann Ophthalmol** 1983 Aug;15(8):729–32

Photoprotective adaptation. Some quantitative aspects. Nonaka S, et al. **Arch Dermatol** 1984 May;120(5):609–12

Solar ultraviolet radiation and skin cancer. A public education program. Schreiber MM, et al. **Ariz Med** 1983 Jul;40(7):469–72

The effect of long-wave ultraviolet radiation on gingival Langerhans cells. Hogarth AM, et al. **Aust Dent J** 1983 Jun;28(3):174–8

Factors to be considered in establishing an Australian exposure standard for ultraviolet radiation. Wilkinson FJ. **Australas Phys Eng Sci Med** 1983 Jul–Sep;6(3):115–24

Effect of non-mode-locked ultraviolet laser radiation (334 nm) on the retina. Schmidt RE, et al. **Aviat Space Environ Med** 1984 Feb;55(2):132–5

Ultraviolet carcinogenesis in mice and men. Friedmann PS. **Br J Dermatol** 1983 Dec;109(6):683–6 (15 ref.)

Relationship of solar keratosis and history of skin cancer to objective measures of actinic skin damage. Holman CD, et al. **Br J Dermatol** 1984 Feb;110(2):129–38

Dermal elastosis in hairless mice after UV-B and UV-A applied simultaneously, separately or sequentially. Poulsen JT, et al. **Br J Dermatol** 1984 May;110(5):531–8

Pterygium in welders. Karai I, et al. **Br J Ophthalmol** 1984 May;68(5):347–9

Morphological change in the corneal endothelium due to ultraviolet radiation in welders. Karai I, et al. **Br J Ophthalmol** 1984 Aug;68(8):544–8

Pterygium and ultraviolet radiation: a positive correlation. Moran DJ, et al. **Br J Ophthalmol** 1984 May;68(5):343–6

Study of ultraviolet radiation and genotoxic effects of natural sunlight in relation to skin cancer in Saudi Arabia. Hannan MA, et al. **Cancer Res** 1984 May;44(5):2192–7

Effects of near ultraviolet radiation on the lens and retina. Zigman S. **Doc Ophthalmol** 1983 Sep 30;55(4):375–91

Interactions of ultraviolet radiation, 12-O-tetradecanoyl-phorbol-13-acetate and retinoic acid in the skin of hairless mice. Sambuco CP, et al. **Food Chem Toxicol** 1983 Oct;21(5):595–600

The effect of antihistamines on ultraviolet-light-induced erythema. Edwards EK Jr, et al. **Int J Dermatol** 1983 Nov; 22(9):540–1

Reusable ultraviolet monitors: design, characteristics, and efficacy. Fanselow DL, et al. **J Am Acad Dermatol** 1983 Nov;9(5):714–23

Topical protection against long-wave ultraviolet A. Jarratt M, et al. **J Am Acad Dermatol** 1983 Sep;9(3):354–60

Environmental UVA radiation and eye protection during PUVA therapy. Morison WL, et al. **J Am Acad Dermatol** 1983 Oct;9(4):522–5

An animal model to determine sunscreen protectiveness against both vascular injury and epidermal cell damage. Sambuco CP, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):737–43

Chronic solar ultraviolet damage associated with malignant melanoma of the skin. Schreiber MM, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):755–9

UV radiation damage [letter] Peyman GA, et al. **J Am Intraocul Implant Soc** 1984 Winter;10(1):67–8

Studies of physiological factors affecting skin susceptibility to ultraviolet light irradiation and irritants. Abe T, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):531–7

Law of reciprocity in UV erythema and cell killing. Kobayashi M. **J Dermatol (Tokyo)** 1984 Feb;11(1):25–9

Mechanism of systemic immune suppression by UV irradiation in vivo. II. The UV effects on number and morphology of epidermal Langerhans cells and the UV-induced suppression of contact hypersensitivity have different wavelength dependencies. Noonan FP, et al. **J Immunol** 1984 May;132(5):2408–16

DNA repair in skin of lupus erythematosus following in vivo exposure to ultraviolet radiation. D'Ambrosio SM, et al. **J Invest Dermatol** 1983 Nov;81(5):452–4

Role of oxygen intermediates in UV-induced epidermal cell injury. Danno K, et al. **J Invest Dermatol** 1984 Sep; 83(3):166–8

Quantitative assessment of UV-induced changes in microcirculatory flow by laser Doppler velocimetry. Drouard V, et al. **J Invest Dermatol** 1984 Sep;83(3):188–92

Characterization and histogenesis of tumors in the hairless mouse produced by low-dosage incremental ultraviolet radiation. Gallagher CH, et al. **J Invest Dermatol** 1984 Sep; 83(3):169–74

Latent period and antigenicity of murine tumors induced in C3H mice by short-wavelength ultraviolet radiation. Lill PH. **J Invest Dermatol** 1983 Oct;81(4):342–6

Effect of indomethacin on alteration of ATPase-positive Langerhans cell density and cutaneous sunburn reaction induced by ultraviolet-B radiation. Lim HW, et al. **J Invest Dermatol** 1983 Nov;81(5):455–8

The effects of high-dose UV exposure on murine Langerhans cell function at exposed and unexposed sites as assessed using in vivo and in vitro assays. Lynch DH, et al. **J Invest Dermatol** 1983 Oct;81(4):336–41

The influence of UVA and visible radiation on acute damage by short-wave UVR (lambda less than 320 nm). Nonaka S, et al. **J Invest Dermatol** 1983 Dec;81(6):524–7

The carcinogenic effect of UVA irradiation. Staberg B, et al. **J Invest Dermatol** 1983 Dec;81(6):517–9

Sun damage to the skin: aging, wrinkling, and cancer. Dobes WL Jr. **J Med Assoc Ga** 1984 Jul;73(7):496–8

UV-mediated genotoxicity of furanoquinoline and of certain tryptophan-derived alkaloids. Towers GH, et al.

J Nat Prod 1983 Jul-Aug;46(4):576-81
Harmful effects of ultraviolet radiation from sunray lamps. Prime D. J R Soc Health 1983 Oct;103(5):161-4 (12 ref.)
Abnormal morphogenesis of sea urchin embryo induced by UV partial irradiation given at cleavage stage. Akimoto Y, et al. J Radiat Res (Tokyo) 1983 Sep;24(3):197-202
Photocarcinogenesis and influence of UV radiation on autoimmune disease in NZB/N mice. Strickland PT. JNCI 1984 Aug;73(2):537-41
Skin cancer and the ultraviolet spectrum [letter] Wyke PL. Lancet 1983 Dec 10;2(8363):1372-3
Effect of long-wave ultraviolet light on the lens. IV. Leucine metabolism in normal human lenses in vitro. Kuck JF Jr. Ophthalmic Res 1983;15(4):216-9
Promotional effects of ultraviolet radiation on human basal and squamous cell carcinoma. Rundel RD. Photochem Photobiol 1983 Nov;38(5):569-75
Projections of increased non-melanoma skin cancer incidence due to ozone depletion. Rundel RD, et al. Photochem Photobiol 1983 Nov;38(5):577-91
UV-carcinogenesis. van der Leun JC. Photochem Photobiol 1984 Jun;39(6):861-8 (62 ref.)
A quantitative analysis of UV-induced cell killing. Chadwick KH, et al. Phys Med Biol 1983 Dec;28(12):1369-83
Immunological aspects of ultraviolet carcinogenesis. Kripke ML. Prog Clin Biol Res 1983;132B:279-87
[Ultraviolet rays, skin cancer and immunology] Suurmond D. Ned Tijdschr Geneeskd 1984 Apr 14;128(15):724-6 (Dut)
[Medical aspects of the use of UV radiation at the work place] Barth J, et al. Dermatol Monatsschr 1983;169(8):529-32 (Eng. Abstr.) (Ger)
[Ultraviolet light and epidermal immunologic phenomena] Stingl G. Hautarzt 1984 Mar;35(3):121-5 (Eng. Abstr.) (Ger)
[Possible hazards of solariums] Swanbeck G. Hautarzt 1984 Apr;35(4):173-4 (Ger)
[Occupational hygienic evaluation of UV irradiation at the place of employment] Methling D, et al. Z Gesamte Hyg 1983 Jul;29(7):392-4 (Eng. Abstr.) (Ger)
[Protective effect of beta-carotene and canthaxanthin against UV reactions of the skin] Tronnier H. Z Hautkr 1984 Jul 1;59(13):859-70 (Eng. Abstr.) (Ger)
[UV-induced solar urticaria] Goitre M, et al. G Ital Dermatol Venereol 1983 Nov-Dec;118(6):397 (Ita)
[Lichen actinicus] Lecha M, et al. G Ital Dermatol Venereol 1982 Mar-Apr;117(2):97-100 (Eng. Abstr.) (Ita)
[Epidemiological study on the effect of ultraviolet radiation on corneal endothelium in welders] Karai I, et al. Nippon Ganka Gakkai Zasshi 1984 Jun;88(6):948-53 (Eng. Abstr.) (Jpn)
[Is sunbathing healthy or harmful?] Moan J, et al. Tidsskr Nor Laegeforen 1983 Jul 10;103(19-21):1425-9 (Eng. Abstr.) (Nor)
[Results of phototoxic tests depending upon the season] Dulczewska-Kłopotowska M. Przegl Dermatol 1983 May-Jun;70(3):243-8 (Eng. Abstr.) (Pol)
[Mechanisms of photodamage of eye structures. The effect of UV light on soluble lens proteins] Korkhmazian MM, et al. Biofizika 1983 Nov-Dec;28(6):966-71 (Eng. Abstr.) (Rus)
[Relation between erythrocyte photodamage and the intensity of ultraviolet radiation] Roshchupkin DI, et al. Biofizika 1984 Jan-Feb;29(1):155-6 (Eng. Abstr.) (Rus)
[Functional status of the bodies of animals during dynamic inhalation dosing of carbophos against a background of high temperatures and ultraviolet radiation] Mikhallov VV. Gig Sanit 1984 Apr;(4):11-4 (Eng. Abstr.) (Rus)
[Effect of an artificial mountain climate on the development of pneumoconiosis and catecholamine content of the adrenal glands in albino rats] Gridneva NV. Gig Tr Prof Zabol 1984 Apr;(4):22-6 (Eng. Abstr.) (Rus)
[Effect of ultraviolet radiation and a warming microclimate on thyroid function] Shvaiko II, et al. Vrach Delo 1984 Jul;(7):116-9 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Ultraviolet detection of synthetic oil contamination of skin. Hill RH. Am Ind Hyg Assoc J 1984 Jul;45(7):474-84

ULTRAVIOLET THERAPY

see related
PHOTOCHEMOTHERAPY

Short contact anthralin therapy of psoriasis with and without UV-irradiation and maintenance schedule to prevent relapses. Brun P, et al. Acta Derm Venereol (Stockh) 1984; 64(2):174-7
The influence of ultraviolet B irradiation on the excretion of the main urinary metabolite of prostaglandin F1 alpha and F2 alpha in psoriatic and normal subjects. Katayama H, et al. Acta Derm Venereol (Stockh) 1984;64(1):1-4
Phototherapy of psoriasis - clinical aspects and risk evaluation. Larkö O. Acta Derm Venereol [Suppl] (Stockh) 1982;103:1-42
Comparison of phototherapy (UV-B) and photochemotherapy (PUVA) for clearing and maintenance therapy of psoriasis. Boer J, et al. Arch Dermatol 1984 Jan; 120(1):52-7
Effect of a single UVB or PUVA exposure on immediate and delayed skin hypersensitivity reactions in humans. Correlation to erythemal response and Langerhans cell depletion. Kalimo K, et al. Arch Dermatol Res 1983; 275(6):374-8
Studies on the mechanism of clinical tolerance in solar urticaria. Keahey TM, et al. Br J Dermatol 1984 Mar; 110(3):327-38
Does UV-A potentiate 'short contact' dithranol therapy? Reshad H, et al. Br J Dermatol 1984 Aug;111(2):155-8
Application of controlled high dose rates in UV-B phototherapy for psoriasis. Schothorst AA, et al. Br J Dermatol 1984 Jan;110(1):81-7
Short-contact dithranol therapy--a comparison with the Ingram regime. Statham BN, et al. Br J Dermatol 1984 Jun;110(6):703-8
The effect of UV irradiation and photochemotherapy (PUVA) on histamine weal and flare in human skin. Ashton RE, et al. Clin Exp Dermatol 1983 Nov;8(6):613-7
UV treatment of uraemic pruritus reduces the vitamin A content of the skin. Berne B, et al. Eur J Clin Invest 1984 Jun;14(3):203-6
Lemon juice, sunlight, and tattoos. Chapel JL, et al. Int J Dermatol 1983 Sep;22(7):434-5
Ultraviolet A phototherapy in the prophylaxis of solar urticaria. Bernhard JD, et al. J Am Acad Dermatol 1984 Jan;10(1):29-33
Combination of psoralens and ultraviolet A and ultraviolet B in the treatment of psoriasis vulgaris: a bilateral comparison study. Momtaz-T K, et al. J Am Acad Dermatol 1984 Mar;10(3):481-6
Prevention of experimental allergic encephalomyelitis (EAE) in the SJL/J mouse by whole body ultraviolet irradiation. Hauser SL, et al. J Immunol 1984 Mar;132(3):1276-81
Ultraviolet irradiation increases serum 1,25-dihydroxyvitamin D in vitamin-D-replete adults. Mawer EB, et al. Miner Electrolyte Metab 1984; 10(2):117-21
Studies on concanavalin A receptor sites of tumour cells following ultraviolet exposure. Chakraborty A, et al. Oncology 1984;41(1):61-3
The penetration of ultraviolet light through transparent dressings. A case report. Mac Kinnon JL, et al. Phys Ther 1984 Feb;64(2):204
Suppression of epidermal graft-versus-host disease with ultraviolet radiation. Glazier A, et al. Transplantation 1984 Feb;37(2):211-3
Pancreatic islet transplantation: immuno-alteration with ultraviolet irradiation. Hardy MA, et al. World J Surg 1984 Apr;8(2):207-13
[Effect of water on UV irradiation and psoriasis] Geidel H, et al. Dermatol Monatsschr 1984;170(6):376-9 (Eng. Abstr.) (Ger)
[Reduced UV erythema sensitivity of unaffected psoriatic skin] Meffert H, et al. Dermatol Monatsschr 1983; 169(11):691-4 (Eng. Abstr.) (Ger)
[Treatment of severe pruritus in dialysis patients with selective UV-phototherapy (SUP)] Lubach D, et al. Fortschr Med 1983 Dec 8;101(46):2125-8 (Eng. Abstr.) (Ger)
[UV-B phototherapy in psoriasis] Brenner W, et al. Z Hautkr 1983 Aug 1;58(15):1113-24 (Eng. Abstr.) (Ger)
[Selective phototherapy (SUP) and cygnoline in the treatment of psoriasis] Nowak A, et al. Przegl Dermatol 1983 Jul-Aug;70(4):403-12 (Eng. Abstr.) (Pol)
[Quantum hemotherapy in treating septic shock in patients with phlegmon of the face and neck] Karandashov VI, et al. Stomatologiia (Mosk) 1984 Jan-Feb;63(1):45-8 (Eng. Abstr.) (Rus)
[Clinical evaluation of selective phototherapy in psoriasis and neurodermatitis patients] Marzeeva GI, et al. Vestn Dermatol Venerol 1983 Jul;(7):44-6 (Eng. Abstr.) (Rus)
[Local and general changes after UV irradiation] Boksha VG, et al. Vopr Kurortol Fizioter Lech Fiz Kult 1983 Jul-Aug; (4):23-6 (Eng. Abstr.) (Rus)
[Extracorporeal ultraviolet irradiation of the blood (review of the literature)] Treshchinskiĭ AI, et al. Vrach Delo 1984 Mar;(3):11-6 (50 ref.) (Rus)
[Personal experience with photochemotherapy and phototherapy of dermatoses] Antošovský J, et al. Bratisl Lek Listy 1983 Oct;80(4):454-60 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Contact UVA polymorphic light eruption. Goitre M, et al. Contact Dermatitis 1984 Mar;10(3):189

INSTRUMENTATION

UV-B-energy distribution in phototherapy equipment [letter] Androphy EJ, et al. Arch Dermatol 1984 Jan;120(1):17-8
[UV irradiation devices for the treatment of psoriasis. Desirable spectra and various criteria for selection] Wiskemann A. Z Hautkr 1984 Apr 1;59(7):449-54 (Eng. Abstr.) (Ger)

METHODS

The effect on psoriasis of clobetasol propionate used alone or in combination with UVB. Larkö O, et al. Acta Derm Venereol (Stockh) 1984;64(2):151-4
Comparison of suberythemogenic and maximally aggressive ultraviolet B therapy for psoriasis. Eells LD, et al. J Am Acad Dermatol 1984 Jul;11(1):105-10
[Photoconditioning in polymorphic light dermatosis] Meffert H, et al. Dermatol Monatsschr 1984;170(4):274-6 (Eng. Abstr.) (Ger)
[Characterization of the effect of retransfusion of UV-irradiated autologous blood--synoptic examination of clinical, metabolic, rheologic and hemodynamic results in patients with arterial occlusive disease] Scherf HP, et al. Z Gesamte Inn Med 1983 Sep 15;38(18):488-94 (Eng. Abstr.) (Ger)
[Quantum hemotherapy in the combined treatment of acute surgical infection in children] Sleptsov VP, et al. Klin Khir 1984 Jun;(6):30-2 (Eng. Abstr.) (Rus)
[Use of quantum hemotherapy in treating suppurative-septic diseases in children] Treshchinskiĭ AI, et al. Klin Khir 1984 Jun;(6):44-7 (Eng. Abstr.) (Rus)
[Selective phototherapy of psoriasis] Olisova MO. Vestn Dermatol Venerol 1983 Dec;(12):45-7 (Eng. Abstr.) (Rus)

UMBELLIFERONES

Fluorescence detection of hydrolases with methylumbelliferone, naphthol and naphthol AS substrates using isoelectric focusing. Sinha PK, et al. Histochem J 1984 Apr;16(4):334-7

ADMINISTRATION & DOSAGE

[The effect of 7-hydroxy-4-methyl-coumarin on contrast filling of the biliary system in endoscopic retrograde cholangiopancreatography (ERCP)] Pouzar A, et al. Sb Lek 1984 Feb;86(2-3):77-80 (Eng. Abstr.) (Cze)

BLOOD

Rapid high-performance liquid chromatographic method for the measurement of hymecromon and its conjugates in blood plasma or serum at concentrations attained during therapy. Femfert U, et al. J Chromatogr 1983 Dec 9; 278(2):452-7
Identification of the major 4-methylumbelliferyl p-guanidinobenzoate-hydrolyzing plasma protein in cystic fibrosis: implication for intrauterine and heterozygote detection. Branchini BR, et al. Pediatr Res 1983 Nov; 17(11):850-5

DIAGNOSTIC USE

4-Methylumbelliferyl-glycosides as fluorescence probes of sugar-binding sites on lectin molecules: spectral properties and dependence of fluorescence on polarity and viscosity. Decastel M, et al. Arch Biochem Biophys 1984 Aug 1; 232(2):640-53
[Labeling of 5-fluorouracil and pyrimidine nucleosides with 4-bromomethyl-7-methoxycoumarin for fluorimetric detection in high performance liquid chromatography] Iwamoto M, et al. Yakugaku Zasshi 1983 Sep;103(9):967-73 (Eng. Abstr.) (Jpn)

METABOLISM

Dose-related pharmacokinetics of coumarin, 7-hydroxycoumarin and 7-hydroxycoumarin glucuronide upon intraperitoneal administration of coumarin and 7-hydroxycoumarin in the rat. Hardt TJ, et al. Arzneimittelforsch 1983;33(10):1442-6
Pharmacokinetics of coumarin, 7-hydroxycoumarin and 7-hydroxycoumarin glucuronide in the blood and brain of gerbils following intraperitoneal administration of coumarin. Ritschel WA, et al. Arzneimittelforsch 1983; 33(9):1254-8
Two genetically different MU-NANA neuraminidases in human leucocytes. Verheijen FW, et al. Biochem Biophys Res Commun 1983 Dec 16;117(2):470-8
Human blood cells sialidases. Marchesini S, et al. Biochem Int 1984 Jan;8(1):151-8
Methylumbelliferyl-N-acetylneuraminic acid sialidase in human liver. den Tandt WR, et al. Biochem Med 1984 Jun; 31(3):287-93
High-rate intestinal conjugation of 4-methylumbelliferone during intravenous infusion in the rat in vivo. Mulder GJ, et al. Biochem Pharmacol 1984 Jul 15;33(14):2341-4
Binding sites on acetylcholinesterase for reversible ligands and phosphorylating agents. A theoretical model tested on haloxon and phosphostigmine. Radić Z, et al. Biochem Pharmacol 1984 Feb 15;33(4):671-7
Comparison of two cell isolation procedures to study in vitro intestinal wall biotransformation in control and 3-methyl-cholanthrene pretreated rats. Borm PJ, et al. Cell Biochem Funct 1983 Oct;1(3):161-7
Direct measurement of hydrogen peroxide release from rat alveolar macrophages: artifactual effect of horseradish peroxidase. Van Scott MR, et al. Exp Lung Res 1984; 6(2):103-14
Oxidation of 7-ethoxycoumarin and conjugation of umbelliferone by intact, viable epidermal cells from the hairless mouse. Coomes MW, et al. J Invest Dermatol 1984 Jun;82(6):598-601
Glucuronidation of 7-hydroxycoumarin in periportal and pericentral regions of the liver lobule. Conway JG, et al. Mol Pharmacol 1984 May;25(3):487-93
[Metabolism and pharmacokinetics of daphnetin] Qu SY, et

al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):496–500 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Investigation of the dose-response relationship upon intraperitoneal administration of coumarin and 7-hydroxycoumarin on the carrageenan induced edema of the rat hind paw. Hardt TJ, et al. **Arzneimittelforsch** 1983; 33(12):1662–6

In vitro inhibition of 3-methylcholanthrene-induced rat hepatic aryl hydrocarbon hydroxylase by 8-acyl-7-hydroxycoumarins. Structure-activity relationships and metabolite profiles. Stupans I, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):131–9

Increased sulphation level and altered composition of glycosaminoglycans synthesized by cultured smooth muscle cells in the presence of beta-D-xylosides. Murray E, et al. **Biochim Biophys Acta** 1983 Oct 25;763(3):299–308

The relaxant action of hymecromone and lignocaine on induced spasm of the bile duct sphincter. McFarland RJ, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):766–8

Mechanism of the hypotensive effect of scopoletin isolated from the fruit of Tetrapleura tetraptera. Ojewole JA, et al. **Planta Med** 1983 Sep;49(1):46–50

Cardiovascular and neuromuscular actions of scopoletin from fruit of Tetrapleura tetraptera. Ojewole JA, et al. **Planta Med** 1983 Oct;49(2):99–102

Effect of pretreatment with hydroxylated xenobiotics on the activities of rat liver UDP-glucuronosyl-transferases. Boutin JA, et al. **Xenobiotica** 1983 Dec;13(12):755–61

[Response of isolated coronary artery segments to serotonin in the presence of a flavinoid, indomethacin and acetylsalicylate] Bettini V, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1064–9 (Eng. Abstr.) **(Ita)**

[Effect of a bioflavinoid (4-methylesculetin) on the response of calf hepatic arteries to serotonin in the presence of indomethacin] Bettini V, et al. **Boll Soc Ital Biol Sper** 1983 Sep 30;59(9):1231–5 (Eng. Abstr.) **(Ita)**

[Effect of a flavinoid (4-methylesculetin) on the response of isolated calf coronary arteries to histamine in the presence of indomethacin] Bettini V, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1059–63 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Double-blind clinical study on hymecromone and placebo in motor disorders of the bile ducts after cholecystectomy] Quaranta S, et al. **Clin Ter** 1984 Mar 31;108(6):513–7 (Eng. Abstr.) **(Ita)**

TOXICITY

Haloxon-induced delayed neurotoxicity: effect of plasma A (aryl) esterase activity on severity of lesions in sheep. Jortner BS, et al. **Neurotoxicology (Park Forest Il)** 1983 Summer;4(2):241–5

UMBILICAL ARTERIES

Positioning of umbilical arterial catheters with ultrasound. Garg AK, et al. **Arch Dis Child** 1983 Dec;58(12):1017–8

Thrombosis of the right umbilical artery, presumably related to the shortness of the umbilical cord: an unusual cause of fetal distress. Devlieger H, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):123–7

A double-catheter technique for caudally misdirected umbilical arterial catheters. Schreiber MD, et al. **J Pediatr** 1984 May;104(5):768–9

Neonatal bladder injury occurring after umbilical artery catheterization by cutdown. Kaufman JM, et al. **JAMA** 1983 Dec 2;250(21):2968–70

ABNORMALITIES

Vascular anomalies of the umbilical cord. II. Perinatal and pediatric implications. Bjøro K Jr. **Early Hum Dev** 1983 Oct;8(3–4):279–87

Antenatal sonographic diagnosis of single umbilical artery. Tortora M, et al. **Obstet Gynecol** 1984 May;63(5):693–6

Twin reversed arterial perfusion (TRAP) sequence: a study of 14 twin pregnancies with acardius. Van Allen MI, et al. **Semin Perinatol** 1983 Oct;7(4):285–93

Four-vessel umbilical cord without congenital abnormalities [letter] Rodriguez MA. **South Med J** 1984 Apr;77(4):539

[Velamentous insertion--epidemiology and clinical aspects of the pathological insertion of the umbilical cord] Pfersmann C, et al. **Wien Klin Wochenschr** 1984 Jun 8; 96(12):443–6 (Eng. Abstr.) **(Ger)**

[Intestinal occlusion caused by remnants of the vitelline artery] Canavese F, et al. **Pediatr Med Chir** 1983 Jul-Aug; 5(4):231–2 (Eng. Abstr.) **(Ita)**

[Umbilical vessel anomalies and their relation to fetal and neonatal pathology] Iwaszko-Krawczuk W, et al. **Ginekol Pol** 1984 Feb;55(2):121–6 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Ultrastructure of aging human umbilical artery and vein. Takagi T, et al. **Acta Anat (Basel)** 1984;119(2):73–9

CYTOLOGY

Cultivation of arterial endothelial cells from human umbilical cord. Mano Y, et al. **Experientia** 1983 Oct 15;39(10):1144–6

DRUG EFFECTS

Inotropic and vasodilator effects of amrinone on isolated human tissue. Wilmshurst PT, et al. **Cardiovasc Res** 1984 May;18(5):302–9

METABOLISM

Maternal smoking and prostacyclin production by cultured endothelial cells from umbilical arteries. Busacca M, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1127–30

Correlation of prostacyclin synthesis by human umbilical artery with status of essential fatty acid. Ongari MA, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):455–60

Low density lipoprotein metabolism by endothelial cells from human umbilical cord arteries and veins. van Hinsbergh VW, et al. **Arteriosclerosis** 1983 Nov-Dec;3(6):547–59

The effect of ethanol and/or acetaldehyde on the incorporation of U14C-glucose into human umbilical artery lipids [letter] Kent WC Jr, et al. **Artery** 1983;11(6):478–81

Metabolism of C14 mevalonate by adult and fetal arteries. Tulenko TN, et al. **Artery** 1983;11(6):450–9

Serum cortisol levels of maternal vein, umbilical artery, and umbilical vein classified by mode of delivery. Kohno H, et al. **Gynecol Obstet Invest** 1984;17(6):301–8

Prostacyclin producing activity of human umbilical, placental and uterine vessels. Kawano M, et al. **Prostaglandins** 1983 Oct;26(4):645–62

Prostaglandin formation in the isolated human ductus arteriosus, aorta, pulmonary and umbilical arteries. Friedman Z, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):279–86

Effects of hydrogen peroxide on vascular arachidonic acid metabolism. Setty BN, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):205–13

[Gas measurement in the healthy newborn infant in Mexico City; comparative study between arterial blood and arterialized blood] Peñaloza-Santillán J, et al. **Bol Med Hosp Infant Mex** 1984 Mar;41(3):152–4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Hypertensive pathology in pregnancy: study of the placenta insertion zone] Frusca T, et al. **Ann Ostet Ginecol Med Perinat** 1983 Nov-Dec; 104(6):361–7 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Umbilical velocity wave ratios in human pregnancy. Schulman H, et al. **Am J Obstet Gynecol** 1984 Apr 1; 148(7):985–90

TRANSPLANTATION

Arterial umbilical cord as tubal replacement. A preliminary report. Pellicer A, et al. **Acta Eur Fertil** 1984 Jan-Feb; 15(1):31–7

Human umbilical artery for microvascular grafting. Experimental study in the rat. Yeh HS, et al. **J Neurosurg** 1984 Oct;61(4):737–42

[Preserved human umbilical cord vessel as a small caliber vascular substitute: experimental and clinical study] Sasajima T. **Nippon Geka Gakkai Zasshi** 1984 Jan; 85(1):65–76 (Eng. Abstr.) **(Jpn)**

[Use of umbilical cord vessels from newborn infants for human blood vessel repair] Anichkov MN, et al. **Khirurgiia (Mosk)** 1984 May;(5):109–12 **(Rus)**

ULTRASTRUCTURE

Ultrastructure of newly formed vessels in thrombi. Endothelium formation in human umbilical artery. Takagi T, et al. **Acta Pathol Jpn** 1984 May;34(3):529–36

Intimal ultrastructural morphology of umbilical cord vasculature in babies born to cigarette smoking mothers. Staubesand J, et al. **Vasa** 1984;13(2):138–46

[Ultrastructure findings in umbilical cord arteries in EPH gestosis, juvenile diabetes mellitus and mothers who smoke] Ulrich W, et al. **Vasa** 1984;13(1):11–8 (Eng. Abstr.) **(Ger)**

UMBILICAL CORD

Prenatal observation of umbilical cord hematoma. Sutro WH, et al. **AJR** 1984 Apr;142(4):801–2

Determinant factors in foetal mortality associated with umbilical cord prolapse. Orhue AA, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):75–82

Prolapse and presentation of the umbilical cord. Woo JS, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):142–5

Vascular anomalies of the umbilical cord. II. Perinatal and pediatric implications. Bjøro K Jr. **Early Hum Dev** 1983 Oct;8(3–4):279–87

Thrombosis of the right umbilical artery, presumably related to the shortness of the umbilical cord: an unusual cause of fetal distress. Devlieger H, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):123–7

Neonatal brachial artery occlusion from an umbilical cord tourniquet. Couser RJ, et al. **J Pediatr** 1984 Feb; 104(2):286–9

Entangled umbilical cords: a sign of monoamniotic twins. Nyberg DA, et al. **J Ultrasound Med** 1984 Jan;3(1):29–32

Sonography of occult cord prolapse. Hales ED, et al. **JCU** 1984 Jun;12(5):283–5

Ultrasonic diagnosis of funic presentation. Vintzileos AM, et al. **JCU** 1983 Nov-Dec;11(9):510–1

The fetal heart rate W-sign. Welt SI. **Obstet Gynecol** 1984 Mar;63(3):405–8

The umbilical cord: care, anomalies, and diseases. Elhassani SB. **South Med J** 1984 Jun;77(6):730–6 (36 ref.)

[Injury of the umbilical cord during late amniocentesis] Arvis P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(5):501–4 (Eng. Abstr.) **(Fre)**

[Prolapse of the umbilical cord] Kastendieck E. **Gynakologe** 1984 Jun;17(2):96–105 (33 ref.) **(Ger)**

[Intrapartum rupture of the umbilical cord] Strolego F, et al. **Minerva Ginecol** 1983 Jun;35(6):413–5 (Eng. Abstr.) **(Ita)**

[Value of probability-statistical analysis of tonogram parameters for diagnosis of coiling and different types of pathology of the umbilical cord during pregnancy] Logvinenko AV. **Akush Ginekol (Mosk)** 1984 Jan;(1):18–21 (Eng. Abstr.) **(Rus)**

ANALYSIS

Human umbilical cord conditioned medium: a stimulus for human CFU-G. Irvine AE, et al. **Exp Hematol** 1984 Jan; 12(1):19–24

Histochemical demonstration of asparagine-linked oligosaccharides in glycoproteins of human placenta and umbilical cord tissues by means of almond glycopeptidase digestion. Yamada K, et al. **Histochem J** 1983 Dec; 15(12):1239–50

[Collagen volume of the umbilical cord in infants with unstable hip joint] Morito Y. **Nippon Seikeigeka Gakkai Zasshi** 1983 Dec;57(12):1859–67 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Standards for measuring umbilical cord length. Mills JL, et al. **Placenta** 1983 Oct-Dec;4(4):423–6

BLOOD SUPPLY

Fetal heart monitoring in detection velamentous insertion of the umbilical cord. Clark JF. **J Natl Med Assoc** 1984 Mar; 76(3):292–4

Gastroschisis: abdominal wall disruption secondary to early gestational interruption of the omphalomesenteric artery. Hoyme HE, et al. **Semin Perinatol** 1983 Oct;7(4):294–8

[Vasa praevia] Heinonen PK, et al. **Duodecim** 1984; 100(4):226–9 **(Fin)**

CYTOLOGY

Success rate of primary human endothelial cell culture from umbilical cords is influenced by maternal and fetal factors and interval from delivery. Balconi G, et al. **In Vitro** 1983 Nov;19(11):807–10

DRUG EFFECTS

Umbilical granuloma [letter] Kesaree N, et al. **Indian Pediatr** 1983 Sep;20(9):690–2

IMMUNOLOGY

Cultured human endothelial cells display an antigen that is recognized by certain human anti-chromatin autoantibodies. Horneland M, et al. **Clin Exp Immunol** 1983 Nov;54(2):373–7

MICROBIOLOGY

Umbilical cord care. A study of bacitracin ointment vs. triple dye. Andrich MP, et al. **Clin Pediatr (Phila)** 1984 Jun; 23(6):342–4

Effects of discontinuing cover gowns on a postpartal ward upon cord colonization of the newborn. Renaud MT. **JOGN Nurs** 1983 Nov-Dec;12(6):399–401

Neonatal tetanus: mode of infection, prevalence, and prevention in southern Sudan. Woodruff AW, et al. **Lancet** 1984 Feb 18;1(8373):378–9

PATHOLOGY

Umbilical cord damage and placental abruption during amniocentesis. Zakut H, et al. **Acta Obstet Gynecol Scand** 1984;63(3):279–81

Observations on knots of the human umbilical cord. Satchithananthan S. **Ceylon Med J** 1982 Dec;27(4):189–91

The inflammatory response in candidal chorioamnionitis. Hood IC, et al. **Hum Pathol** 1983 Nov;14(11):984–90

Unusual morphodysplasia as a result of early amnion rupture: umbilico-cephalic adherence. Chappard D, et al. **J Genet Hum** 1983 Dec;31(4):329–35

Knotted umbilical cord as a cause of death in a Cercopithecus aethiops fetus. Brady AG. **Lab Anim Sci** 1983 Aug; 33(4):375–6

The safety of fetoscopy: (I). Effect of umbilical vessel puncture on the fetal heart rate and cord histology. Hertogs K, et al. **Prenat Diagn** 1983 Apr-Jun;3(2):91–6

Placental alterations secondary to intrauterine crowding. Robinson LK. **Semin Perinatol** 1983 Oct;7(4):278–80

[Pathology of the umbilical cord] Jouan H, et al. **Sem Hop Paris** 1983 Nov 24;59(43):3003–8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Heart rate and blood pressure responses to umbilical cord compression in fetal lambs with special reference to the mechanism of variable deceleration. Itskovitz J, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):451–7

Electrocardiographic responses of rat fetuses with clamped or intact umbilical cords to acute maternal uterine ischemia. Robinson KS, et al. **Am J Obstet Gynecol** 1983 Dec 1; 147(7):795–8

[Effect of umbilical coiling on fetal status during pregnancy] Sigizbaeva IK, et al. **Akush Ginekol (Mosk)** 1984 Jun; (6):48–50 **(Rus)**

PHYSIOPATHOLOGY

Endothelial cell dysfunction in homocystinuria. de Groot PG, et al. **Eur J Clin Invest** 1983 Oct;13(5):405–10

SURGERY

[Advantages and hazards of preventing infection following cesarean section—clinical and bacteriologic results of a high-dosage treatment with mezlocillin and oxacillin short-term preventive following clamping of the umbilical cord] Engel K, et al. **Geburtshilfe Frauenheilkd** 1984 Mar; 44(3):162–70 (Eng. Abstr.) **(Ger)**

UMBILICAL CORD BLOOD see **FETAL BLOOD**

UMBILICAL CYST see **URACHAL CYST**

UMBILICAL HERNIA see **HERNIA, UMBILICAL**

UMBILICAL VEINS

An unusual case of fetal distress. Eggens JH, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):219–20

Intrahepatic calcifications in infants and children following umbilical vein catheterization. Richter E, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):117–24 **(Eng, Fre)**

Estrogen stimulates von Willebrand factor production by cultured endothelial cells. Harrison RL, et al. **Blood** 1984 Mar;63(3):657–64

The mechanical properties of glutaraldehyde stabilized human umbilical vein measured in vivo. Chapman BL, et al. **Br J Surg** 1983 Sep;70(9):530–1

Immediate postoperative thrombosis of the umbilical vein treated by low-dose streptokinase infusion: report of a case. Kingsbury JA. **J Am Osteopath Assoc** 1983 Dec;83(4):312–6

Transumbilical portal vein catheterization and insulin analysis in an infant with hypoglycemia. Kishi K, et al. **Jpn J Surg** 1983 May;13(3):261–3

[Pulmonary infarction and umbilical vein catheterization (letter)] Marchal JL, et al. **Arch Fr Pediatr** 1984 Apr; 41(4):296 **(Fre)**

[Case report of idiopathic portal hypertension with Cruveilhier-Baumgarten syndrome and portal thrombosis] Onitsuka A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1485–8 **(Jpn)**

[Use of veins from the human umbilical cord in vascular surgery (review of the literature)] Andreev ID, et al. **Khirurgiia (Mosk)** 1984 May;(5):137–41 (49 ref.) **(Rus)**

ABNORMALITIES

Aberrant umbilical vein. Fliegel CP, et al. **Pediatr Radiol** 1984;14(1):55–6

Four-vessel umbilical cord without congenital abnormalities [letter] Rodriguez MA. **South Med J** 1984 Apr;77(4):539

[Velamentous insertion—epidemiology and clinical aspects of the pathological insertion of the umbilical cord] Pfersmann C, et al. **Wien Klin Wochenschr** 1984 Jun 8; 96(12):443–6 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Ultrastructure of aging human umbilical artery and vein. Takagi T, et al. **Acta Anat (Basel)** 1984;119(2):73–9

Umbilical and paraumbilical veins in ligamentum teres. Their significance as collaterals in portal hypertension. Lin G, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):1–5

CYTOLOGY

Interactions between tumor cells and vascular endothelium.–I) Adhesion properties of cell lines with different metastasizing capacity. Almasio P, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1538–43

High glucose concentrations do not influence replication and prostacyclin release of human endothelial cells [letter] Weimann BJ, et al. **Diabetologia** 1984 Jul;27(1):62–3

The release of platelet-activating factor from human endothelial cells in culture. Camussi G, et al. **J Immunol** 1983 Nov;131(5):2397–403

DRUG EFFECTS

Effects of vasoactive autacoids on the human umbilical-fetal placental vasculature. Mak KK, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):99–106

IMMUNOLOGY

Monoclonal antibodies to E92, an endothelial cell surface antigen. Kaplan KL, et al. **Arteriosclerosis** 1983 Sep–Oct; 3(5):403–12

Lymphocytes recognize human vascular endothelial and dermal fibroblast Ia antigens induced by recombinant immune interferon. Pober JS, et al. **Nature** 1983 Oct 20–26; 305(5936):726–9

METABOLISM

Prostacyclin (PGI2) and plasminogen activator (PA) activity in umbilical vein grafts. An experimental study. Esquivel CO, et al. **Acta Chir Scand** 1984;150(3):211–6

Low density lipoprotein metabolism by endothelial cells from human umbilical cord arteries and veins. van Hinsbergh VW, et al. **Arteriosclerosis** 1983 Nov–Dec;3(6):547–59

Characterisation of the binding of apolipoprotein E-free high density lipoprotein to cultured human endothelial cells. Havekes L, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):785–90

Synthesis of lactosaminoglycan-containing glycoproteins by vascular endothelial cells. Heifetz A, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):1–7

Isolation of a storage and secretory organelle containing Von Willebrand protein from cultured human endothelial cells. Reinders JH, et al. **Biochim Biophys Acta** 1984 Jul 20; 804(3):361–9

Production and availability of thromboplastin in endothelial cells: the effects of thrombin, endotoxin and platelets. Brox JH, et al. **Br J Haematol** 1984 Jun;57(2):239–46

Elevated glucose concentrations increase factor VIIIR:Ag levels in human umbilical vein endothelial cells. Mordes DB, et al. **Diabetes** 1983 Sep;32(9):876–8

Intracellular localization of factor VIII-related antigen and fibronectin in cultured human endothelial cells: evidence for divergent routes of intracellular translocation. Hormia M, et al. **Eur J Cell Biol** 1984 Mar;33(2):217–28

Transfer of terbutaline across the human placenta in late pregnancy. Bergman B, et al. **Eur J Respir Dis [Suppl]** 1984; 134:81–6

Serum cortisol levels of maternal vein, umbilical artery, and umbilical vein classified by mode of delivery. Kohno H, et al. **Gynecol Obstet Invest** 1984;17(6):301–8

Subunit composition of oligomeric human von Willebrand factor. Lynch DC, et al. **J Biol Chem** 1983 Nov 10; 258(21):12757–60

Prostacyclin biosynthesis in cultured vascular endothelium is limited by deactivation of cyclooxygenase. Brotherton AF, et al. **J Clin Invest** 1983 Oct;72(4):1255–61

Coagulation factor Va binds to human umbilical vein endothelial cells and accelerates protein C activation. Maruyama I, et al. **J Clin Invest** 1984 Jul;74(1):224–30

Eicosapentaenoic acid and prostacyclin production by cultured human endothelial cells. Spector AA, et al. **J Lipid Res** 1983 Dec;24(12):1595–604

Latent tissue plasminogen activator produced by human endothelial cells in culture: evidence for an enzyme-inhibitor complex. Levin EG. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6804–8

Prostacyclin producing activity of human umbilical, placental and uterine vessels. Kawano M, et al. **Prostaglandins** 1983 Oct;26(4):645–62

Prostacyclin production by confluent and non-confluent human endothelial cells in culture. Evans CE, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):255–66

MICROBIOLOGY

[Comparative evaluation of the efficacy of disinfection of the umbilicus using several antiseptics] Barinov VS, et al. **Vestn Khir** 1984 Feb;132(2):43–4 **(Rus)**

PATHOLOGY

Fine needle biopsy of a patent umbilical vein thrombus demonstrates hepatocellular carcinoma. Livraghi T, et al. **Diagn Imaging** 1983;52(6):332–4

[Changes in vascular endothelial cells induced by serum from scleroderma and other connective tissue diseases] Meyer O, et al. **Rev Rhum Mal Osteoartic** 1984 May;51(5):255–61 (Eng. Abstr.) **(Fre)**

[Damage to the endothelium of human magistral vessels in diabetes mellitus] Dolgov VV. **Probl Endokrinol (Mosk)** 1983 Nov–Dec;29(6):6–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rickettsial interactions with human endothelial cells in vitro: adherence and entry. Walker TS. **Infect Immun** 1984 May; 44(2):205–10

The peroxidase antiperoxidase staining of factor VIII-related antigen on cultured endothelial cells. Baughman S, et al. **J Biomed Mater Res** 1984 May–Jun;18(5):561–6

A perfusion chamber developed to investigate platelet interaction in flowing blood with human vessel wall cells, their extracellular matrix, and purified components. Sakariassen KS, et al. **J Lab Clin Med** 1983 Oct; 102(4):522–35

Effects of different injurious stimuli on cell death, proliferation, and collagen secretion by rabbit aortic smooth muscle cells and human umbilical vein endothelial cells in culture. Stavenow L, et al. **Med Biol** 1983; 61(4):214–8

Endothelial culture, neutrophil or enzymic generation of free radicals: in vitro methods for the study of endothelial injury. Moldow CF, et al. **Methods Enzymol** 1984; 105:378–85

Ultrasonic measurement of aortic and umbilical blood flow in the human fetus. Van Lierde M, et al. **Obstet Gynecol** 1984 Jun;63(6):801–5

Maternal thromboxane, prostacyclin, and umbilical blood flow in humans. Ylikorkala O, et al. **Obstet Gynecol** 1984 May;63(5):677–80

The importance of cell origin and substrate in the kinetics of endothelial cell alignment in response to steady flow. Ives CL, et al. **Trans Am Soc Artif Intern Organs** 1983; 29:269–74

The assessment of the feto-placental circulation with continuous wave Doppler ultrasound. FitzGerald DE, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):371–6

Umbilical venous flow in normal and complicated pregnancy. Gill RW, et al. **Ultrasound Med Biol** 1984 May–Jun; 10(3):349–63

PHYSIOPATHOLOGY

Umbilical vein blood flow as an indicator of fetal hypoxia. Jouppila P, et al. **Br J Obstet Gynaecol** 1984 Feb; 91(2):107–10

Umbilical vein blood flow in the human fetus in cases of maternal and fetal anemia and uterine bleeding. Jouppila P, et al. **Ultrasound Med Biol** 1984 May–Jun;10(3):365–70

TRANSPLANTATION

Biodegradation and aneurysm formation in umbilical vein grafts. Observations and a realistic strategy. Dardik H, et al. **Ann Surg** 1984 Jan;199(1):61–8

The use of stabilized human umbilical vein for femoropopliteal bypass. Experience with 133 operations with 5-year follow-up. Hirsch SA, et al. **Ann Surg** 1984 Aug;200(2):147–52

Heparinized human umbilical vein grafts. Delayed heparin desorption after alcohol treatment. Esquivel CO, et al. **Eur Surg Res** 1983;15(6):289–96

The Biograft for femoropopliteal bypass. Boontje AH. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):497–502

Late results with Dardik-biograft in peripheral arterial surgery. Raithel D, et al. **J Cardiovasc Surg (Torino)** 1984 May–Jun;25(3):222–4

The selective use of modified human umbilical vein as an arterial substitute in the lower extremity. Buth J, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):523–9

Limitations of human umbilical vein grafts. Harris JP, et al. **Surgery** 1984 Jul;96(1):23–8

Thromboxane production in umbilical vein grafts. Saldeen P, et al. **Thromb Res** 1984 Feb 1;33(3):259–67

[Preserved human umbilical cord vessel as a small caliber vascular substitute: experimental and clinical study] Sasajima T. **Nippon Geka Gakkai Zasshi** 1984 Jan; 85(1):65–76 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of human umbilical cord veins as material for cardiovascular surgery] Andreev ID, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):106–110 **(Rus)**

[Use of umbilical cord vessels from newborn infants for human blood vessel repair] Anichkov MN, et al. **Khirurgiia (Mosk)** 1984 May;(5):109–12 **(Rus)**

[Adhesive and thrombogenic properties of vascular prostheses] Dolgov VV, et al. **Khirurgiia (Mosk)** 1984 May; (5):112–6 **(Rus)**

ULTRASTRUCTURE

Interactions between tumor cells and vascular endothelium.–II) Light and electron microscopic studies. Almasio P, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30; 59(10):1544–50

A paracrystalline inclusion body in normal human vascular endothelial cells. Hammersen F, et al. **Int J Microcirc Clin Exp** 1982;1(2):135–44

Intimal ultrastructural morphology of umbilical cord vasculature in babies born to cigarette smoking mothers. Staubesand J, et al. **Vasa** 1984;13(2):138–46

UMBILICUS

Necrotizing fasciitis. A serious sequela of omphalitis in the newborn. Lally KP, et al. **Ann Surg** 1984 Jan;199(1):101–3

Leiomyosarcoma of the small intestine metastatic to the umbilicus. Powell FC, et al. **Arch Dermatol** 1984 Mar; 120(3):402–3

Endometriosis of the umbilicus. Michowitz M, et al. **Dermatologica** 1983;167(6):326–30

Sister Mary Joseph's nodule: a clinical and histologic study. Powell FC, et al. **J Am Acad Dermatol** 1984 Apr; 10(4):610–5

The center of the umbilicus as the Veress needle's entry site for laparoscopy. Toth A, et al. **J Reprod Med** 1984 Feb; 29(2):126–8

On a retractile testis and an infantile umbilicus phobia. Yazmajian RV. **Psychoanal Q** 1983 Oct;52(4):584–9 (13 ref.)

[Symptom producing portal hypertension after an umbilical infection] Adamsen S, et al. **Ugeskr Laeger** 1984 Apr 23; 146(17):1299–300 (Eng. Abstr.) **(Dan)**

[Multifocal and multiple malignant neoplasms in the female genital tract] Szymański W, et al. **Wiad Lek** 1983 Sep 15; 36(18):1549–52 (Eng. Abstr.) **(Pol)**

[Omphalitis and its complications] Bolgov DF, et al. **Pediatriia** 1983 Jun;(6):60–1 **(Rus)**

BLOOD SUPPLY

Fetal oxygen consumption, umbilical circulation and electrocortical activity transitions in fetal lambs. Walker AM, et al. **J Dev Physiol** 1984 Jun;6(3):267–74

MICROBIOLOGY

Influence of ethanol with and without chlorhexidine on the bacterial colonization of the umbilicus of newborn infants. Bygdeman S, et al. **Infect Control** 1984 Jun;5(6):275–8

[Bacterial colonization of the navel and nose of newborn infants with and without primary skin contact during nursing immediately following birth] Gerstner G, et al. **Gynakol Rundsch** 1984;24(1):24–30 **(Ger)**

SURGERY

Umbilicoplasty: conversion of 'outie' to 'innie'. Hodgkinson DJ. **Aesthetic Plast Surg** 1983;7(4):221–2

Umbilical hernia with abomasal–umbilical fistula in a calf. Fubini SL, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1510–1

Simultaneous umbilicoplasty and closure of small omphaloceles. Ricketts RR, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):572–3

[Toward a more natural umbilicus in abdominoplasties] Wlodarczyk B, et al. **Ann Chir Plast Esthet** 1984;29(1):90–1 (Eng. Abstr.) **(Fre)**

UNCINARIA AMERICANA see **NECATOR**

UNCINARIA DUODENALE see **ANCYLOSTOMA**

UNCINARIA STENOCEPHALA see **HOOKWORMS**

UNCONSCIOUS (PSYCHOLOGY)

The conscious–unconscious interface: contributions to an understanding. Dixon NF. **Arch Psychol (Frankf)** 1983; 135(1):55–66

Unconscious odour conditioning in human subjects. Kirk-Smith MD, et al. **Biol Psychol** 1983 Sep–Nov; 17(2–3):221–31

Time of conscious intention to act in relation to onset of cerebral activity (readiness-potential). The unconscious initiation of a freely voluntary act. Libet B, et al. **Brain** 1983 Sep;106 (Pt 3):623–42

Possible unconscious significance of the positions of the analysand and analyst in psychoanalysis. Bergel EW. **Psychiatry** 1984 Aug;47(3):293–8

The unconscious still occupies us. Shapiro T. **Psychoanal Study Child** 1983;38:547–67

Pornographic films and unconscious homosexual desires: an hypothesis. Lester D. **Psychol Rep** 1984 Apr;54(2):606

[Work of the so-called phantom in the unconscious and psychosomatics. Apropos of psoriasis] Zuili N, et al. **Ann Med Psychol (Paris)** 1983 Nov;141(9):1022–8 (Eng. Abstr.) **(Fre)**

[Untruth and self-deception as fundamental dimensions of human existence: the problem of the unconscious] Bühler KE. **Fortschr Neurol Psychiatr** 1984 Feb;52(2):35–40 (Eng. Abstr.) **(Ger)**

[Primary and secondary process—classical assumptions, revision of theory, empirical analyses] Engel K. **Psychother Psychosom Med Psychol** 1983 Sep;33(5):167–74 (Eng. Abstr.) **(Ger)**

UNCONSCIOUSNESS

see related
SYNCOPE

CHEMICALLY INDUCED

Hyperammonemia and valproate-induced alterations of the state of consciousness. A report of 8 cases. Zaccara G, et al. **Eur Neurol** 1984;23(2):104–12

[Role of hyperammonemia in stuporous states induced by sodium valproate] Warter JM, et al. **Rev Neurol (Paris)** 1983;139(12):753–7 (Eng. Abstr.) **(Fre)**

[Alterations of the state of consciousness induced by valproic acid: 6 case reports] Campostrini R, et al. **Riv Patol Nerv Ment** 1983 Jan–Feb;104(1):23–34 (Eng. Abstr.) **(Ita)**

[Unconsciousness after intracranial hypertension as an unexpected side-effect of nalidixic acid] Granström G, et al. **Lakartidningen** 1984 May 2;81(18):1837–8 (Eng. Abstr.) **(Swe)**

COMPLICATIONS

Seizures in paroxysmal episodes of unconsciousness [letter] **Arch Neurol** 1984 Feb;41(2):135–6

DIAGNOSIS

Care of the unconscious patient: a problem-oriented approach. Wong J, et al. **J Neurosurg Nurs** 1984 Jun; 16(3):145–50

Evaluation of level of consciousness by the Glasgow coma scale in children with Reye's syndrome. Duncan CC, et al. **Neurosurgery** 1983 Dec;13(6):650–3

DRUG THERAPY

Nasogastric glucose in the treatment of unconscious hypoglycemia. Romane LD. **Ann Emerg Med** 1984 May; 13(5):413–4

ETIOLOGY

Treatment of children with posttraumatic transient loss of consciousness. Dershewitz RA, et al. **Pediatrics** 1983 Nov; 72(5):602–7

[Emergency conditions in ophthalmology. First aid in general practice and in the clinic. 3: Leading symptoms 'results of injury'—'unconsciousness'—'diplopia'] Ruprecht KW. **Fortschr Med** 1983 Aug 11;101(30):1378–85 (Eng. Abstr.) **(Ger)**

[Recurring, febrile infections with loss of consciousness] Mann K. **Internist (Berlin)** 1984 Feb;25(2):135–8 **(Ger)**

[Short-term fainting spells] Kanios K. **Wiad Lek** 1983 Jun 15;36(12):1003–8 (34 ref.) (Eng. Abstr.) **(Pol)**

[Differentiation of etiologic factors in cases of loss of consciousness in chronic alcoholics] Padelin S. **Lijec Vjesn** 1982 Nov–Dec;104(11–12):456–9 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Activation of pontine cholinergic sites implicated in unconsciousness following cerebral concussion in the cat. Hayes RL, et al. **Science** 1984 Jan 20;223(4633):301–3

THERAPY

Airway management in the transfer of the unconscious patient. Robinson N, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):372–3

'Queer turns' in the physiotherapy department. Knapp M, et al. **Physiotherapy** 1984 Mar;70(3):117

UNCOUPLING AGENTS

Uncoupling action of polychlorinated biphenyls (Kanechlor-400) on oxidative phosphorylation in rat liver mitochondria. Nishihara Y. **Arch Environ Contam Toxicol** 1984 Mar;13(2):225–9

Structure of leucinostatin B, an uncoupler on mitochondria. Mori Y, et al. **J Antibiot (Tokyo)** 1983 Aug;36(8):1084–6

BLOOD

[Identification of uncoupling factors in the serum of the tumor-bearing rat] Yu SY. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):172–5 (Eng. Abstr.) **(Chi)**

METABOLISM

The cyanine dye triS–C4(5) as a cationic uncoupler of oxidative phosphorylation: interaction with mitochondria detected by derivative spectrophotometry. Terada H, et al. **Cell Struct Funct** 1983 Jun;8(2):161–70

PHARMACODYNAMICS

Averufin, an anthraquinone mycotoxin possessing a potent uncoupling effect on mitochondrial respiration. Kawai K, et al. **Appl Environ Microbiol** 1984 Mar;47(3):481–3

Uncoupler-stimulated Na+ pump and its possible role in the halotolerant bacterium, Ba. Ken-Dror S, et al. **Arch Biochem Biophys** 1984 Mar;229(2):640–9

The arsonomethyl analogue of adenosine 5'-phosphate. An uncoupler of adenylate kinase. Adams SR, et al. **Biochem J** 1984 Aug 1;221(3):829–36

cis-Unsaturated fatty acids uncouple mitochondria and stimulate glycolysis in intact lymphocytes. Arslan P, et al. **Biochem J** 1984 Jan 15;217(2):419–25

Characteristics of adenine nucleotide fluxes and transport in human tumor mitochondria. Knowles AF. **Biochim Biophys Acta** 1984 Feb 27;764(2):203–12

Mitochondrial respiration inhibitors and human sperm motility: implication in the development of spermicides. Hong CY, et al. **Br J Clin Pharmacol** 1983 Nov; 16(5):487–90

Stripping of proteins from submitochondrial particles of rat skeletal muscle or bovine heart by chemical uncouplers. Yamada EW, et al. **Can J Biochem Cell Biol** 1983 Sep; 61(9):1006–11

Kinetic effects of chemical and physical uncoupling on the energy-transducing ATPase from spinach chloroplasts. Sherman PA, et al. **Eur J Biochem** 1983 Nov 15; 136(3):539–43

Uncoupling of the beta-adrenergic receptor as a mechanism of in vitro neutrophil desensitization. Galant SP, et al. **J Lab Clin Med** 1984 Feb;103(2):322–32

Changes in interfacial potentials induced by carbonylcyanide phenylhydrazone uncouplers: possible role in inhibition of mitochondrial oxygen consumption and other transport processes. Reyes J, et al. **Membr Biochem** 1984;5(3):243–68

Release of a common source of intracellular Ca2+ by alpha-adrenergic agonists and dinitrophenol in rat liver slices. Lynch CJ, et al. **Pharmacology** 1984;28(2):74–85

The uncoupling effect of flavoglaucin, a quinol pigment from Aspergillus chevalieri (Mangin), on mitochondrial respiration. Kawai K, et al. **Toxicol Lett** 1983 Dec; 19(3):321–5

[Energy-dependent inhibition of mitochondrial NAD.H-oxidase and succinic oxidase by strong nitrous bases] Galkina VG, et al. **Biol Nauki** 1983;(7):17–21 (Eng. Abstr.) **(Rus)**

[Action of palmitate on the energy coupling in skeletal muscle and liver mitochondria] Altukhov ND, et al. **Dokl Akad Nauk SSSR** 1983;271(5):1254–6 **(Rus)**

[Uncoupling of acid phosphatase biosynthesis and secretion in Saccharomyces cerevisiae spheroplasts exposed to concanavalin A] Tsiomenko AB, et al. **Dokl Akad Nauk SSSR** 1983;271(4):1000–2 **(Rus)**

TOXICITY

[Action of the mastoparan from hornet venom on mitochondria] Shol'ts KF, et al. **Dokl Akad Nauk SSSR** 1983;273(3):747–50 **(Rus)**

UNDECYLENIC ACIDS

Phase studies of ethoxylated surfactants–oil–water–undecylenic acid. Bulut F, et al. **J Pharm Pharmacol** 1983 Aug;35(8):486–8

ADMINISTRATION & DOSAGE

The treatment of dermatophytoses of the glabrous skin: a comparison of undecylenic acid and its salt versus tolnaftate. Battistini F, et al. **Int J Dermatol** 1983 Jul–Aug; 22(6):388–9

UNDERACHIEVEMENT

Screening by optometrists. Barnard NA. **Ophthalmic Physiol Opt** 1983;3(3):365–8

UNDERTAKING see **MORTUARY PRACTICE**

UNDULANT FEVER see **BRUCELLOSIS**

UNEMPLOYMENT

The challenges before us. Kennedy EM. **Am Psychol** 1984 Jan;39(1):62–6

Unemployment and criminal involvement: an investigation of reciprocal causal structures. Thornberry TP, et al. **Am Sociol Rev** 1984 Jun;49(3):398–411

Unemployment, birthweight, and growth in the first year. Cole TJ, et al. **Arch Dis Child** 1983 Sep;58(9):717–21

Psychiatric impairment, physical health and work values among unemployed and apprenticed young men. McPherson A, et al. **Aust NZ J Psychiatry** 1983 Dec; 17(4):335–40

Unemployment and cognitive difficulties. Fryer D, et al. **Br J Clin Psychol** 1984 Feb;23 (Pt 1):67–8

Unemployment among 1983 medical graduates [letter] Gentleman D. **Br Med J [Clin Res]** 1983 Sep 17; 287(6395):833

Reported drinking practices amongst women working in the home. Chetwynd SJ, et al. **Community Health Stud** 1983 Oct;7(3):278–84

A dynamic analysis of women's employment exits. Felmlee DH. **Demography** 1984 May;21(2):171–83

Treating the jobless for free: do doctors have a special duty? Siegler M, et al. **Hastings Cent Rep** 1983 Aug;13(4):12–4

Health insurance for the unemployed: is federal legislation needed? Monheit AC, et al. **Health Aff (Millwood)** 1984 Spring;3(1):101–11

Understanding juvenile unemployability: an exploratory study. Munene JC. **J Adolesc** 1983 Sep;6(3):247–61

The development of conceptions of unemployment among adolescents. Webley P, et al. **J Adolesc** 1983 Dec; 6(4):317–28

Unemployment and psychological distress in young people: the moderating role of employment commitment. Jackson PR, et al. **J Appl Psychol** 1983 Aug;68(3):525–35

Suicide, unemployment, and domestic gas detoxification in Britain. Kreitman N, et al. **J Epidemiol Community Health** 1984 Mar;38(1):1–6

Behavioral and biochemical effects of job loss and unemployment stress. Fleming R, et al. **J Human Stress** 1984 Spring;10(1):12–7

Operation care. Logan WD Jr, et al. **J Med Assoc Ga** 1983 Jul;72(7):475–7

Outplacement service for the nurse executive. Kangery R, et al. **J Nurs Adm** 1984 Jul–Aug;14(7–8):11–5

Admission of children to hospitals in Glasgow: relation to unemployment and other deprivation variables. Maclure A, et al. **Lancet** 1984 Sep 22;2(8404):682–5

Health care for the recently unemployed. **Md State Med J** 1983 Nov;32(11):849–50

County medical societies helping the 'new poor'. Stockbridge WW. **Mich Med** 1983 Jun;82(29):352–6

Incentives for nurse employment. Deets C, et al. **Nurs Res** 1984 Jul–Aug;33(4):242–6

Unemployment and the suicide rate. Filby RG, et al. **Ohio State Med J** 1983 Nov;79(11):837–9, 848

Reducing the pressure. Health care for the unemployed. Porter S. **Ohio State Med J** 1983 Nov;79(11):833–6

Work deprivation depression. Tanay E. **Psychiatr J Univ Ottawa** 1983 Sep;8(3):139–44

Lateral ventricular enlargement associated with persistent unemployment and negative symptoms in both schizophrenia and bipolar disorder. Pearlson GD, et al. **Psychiatry Res** 1984 May;12(1):1–9

The relationship between national levels of unemployment and the rate of admission to mental hospitals in England and Wales, 1950–1976. Stokes G, et al. **Soc Psychiatry** 1984; 19(3):117–25

Unemployment and health in the context of economic change. Brenner MH, et al. **Soc Sci Med** 1983; 17(16):1125–38

Unemployment and suicidal behaviour: a review of the literature. Platt S. **Soc Sci Med** 1984;19(2):93–115 (156 ref.)

The forging of illness. Weisser RJ Jr, et al. **W Va Med J** 1984 Feb;80(2):25–8

ShareCare: medical care for the unemployed. Erwin CP. **Wis Med J** 1983 Nov;82(11):5

[Unemployment – a danger to health? A critical review of recent studies concerning the impact of unemployment on health] Iversen L. **Ugeskr Laeger** 1984 Feb 27;146(9):681–8 (Eng. Abstr.) **(Dan)**

[Will there be too many physicians or do future physicians work too much? A critical consideration of the preliminary recommendation of the Vorst Commission] van den Muijsenbergh M, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6;127(32):1444–6 **(Dut)**

[Specialists in unemployment insurance] van der Meer J. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1740–1 **(Dut)**

UNESCO see **UNITED NATIONS**

UNICEF see **UNITED NATIONS**

UNIPOLAR DEPRESSION see **DEPRESSIVE DISORDER**

UNIT DOSE DRUG DISTRIBUTION SYSTEMS see **MEDICATION SYSTEMS**

UNIT DOSE DRUG DISTRIBUTION SYSTEMS, HOSPITAL see **MEDICATION SYSTEMS, HOSPITAL**

UNITED NATIONS

A perspective from the United Nations. Ling G. **Ann Ist Super Sanita** 1982;18(4):695–7

Preventive and treatment measures to reduce drug abuse: summary of responses to a survey of national programmes. United Nations Secretariat. **Bull Narc** 1983 Jul–Sep; 35(3):33–40

Report of the Expert Group on Drug Abuse Reduction. **Bull Narc** 1983 Jul–Sep;35(3):3–17

Measures to assess drug abuse and the health, social and economic consequences of such abuse: summary of information from 21 countries. United Nations Secretariat. **Bull Narc** 1983 Jul–Sep;35(3):19–32

Canada's leading role in implementing the United Nations program on water quality monitoring. Barabas S. **Can J Public Health** 1984 Jan–Feb;75(1):69–73

Principles of medical ethics. A United Nations resolution. Lin S. **Indiana Med** 1984 Jan;77(1):40–1

The United Nations and the medical profession [letter] Gale AE. **Med J Aust** 1983 Oct 1;2(7):310

[Revolution for the benefit of the children?] Grant JP. **Fortschr Med** 1984 Jan 26;102(4):76–7 **(Ger)**

[UNICEF—health for all is no utopia] Oberascher C. **Fortschr Med** 1983 Sep 8;101(34):1495–6, 1536 **(Ger)**

LEGISLATION & JURISPRUDENCE

[Parents, physicians, people ... (editorial)] Nicolau S. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Apr–Jun; 33(2):189–92 **(Rum)**

UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION

Health manpower policy. A perspective from the National Institute of Mental Health. Pardes H. **Am Psychol** 1983 Dec;38(12):1355–9

The NIMH Epidemiologic Catchment Area program. Historical context, major objectives, and study population characteristics. Regier DA, et al. **Arch Gen Psychiatry** 1984 Oct;41(10):934–41

Training data. **Fed Proc** 1984 Jan;43(1):7a–10a

Symposium: Research at the interface of medicine and psychiatry at NIMH. **Gen Hosp Psychiatry** 1983 Jul; 5(2):79–114

Introduction: research at the interface of medicine and psychiatry. Pardes H. **Gen Hosp Psychiatry** 1983 Jul; 5(2):79–81

The role of the National Institute on Drug Abuse in the development of naltrexone. Ginzburg HM, et al. **J Clin Psychiatry** 1984 Sep;45(9 Pt 2):4–6

NIMH faces renewed uncertainties [news] Fox JL. **Science** 1984 Jul 13;225(4658):148–9

Pediatrician may head ADAMHA [news] Holden C. **Science** 1984 Apr 13;224(4645):139

ORGANIZATION & ADMINISTRATION

New NIMH Center consolidates disaster research and services. Lystad M, et al. **Hosp Community Psychiatry** 1983 Sep;34(9):789–90

UNITED STATES CENTERS FOR DISEASE CONTROL see **CENTERS FOR DISEASE CONTROL (U.S.)**

UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES see **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE see **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

DRGs, Pac-Man and game theory. Conner SL. **Ala Med** 1984 May;53(11):4, 33

A summary of the Colorado Clinical Psychology/Expanded Mental Health Benefits Experiment. McCall N, et al. **Am Psychol** 1983 Dec;38(12):1279–91

The Administration on Aging as an advocate: progress, problems, and prospects. Fritz D. **Gerontologist** 1979 Apr; 19(2):141–50

Who is responsible for Baby Doe? Rome LP. **Ohio State Med J** 1984 Jan;80(1):21–3, 25, 27

Senate wants Academy to assess medical technology [news] Fox JL. **Science** 1984 Aug 3;225(4661):489

FDA spars with HHS on advisory posts [news] Sun M. **Science** 1984 May 18;224(4650):698

Baby Doe: government vs medicine [editorial] Kendig EL Jr. **Va Med** 1984 May;111(5):298–300

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY see under **GOVERNMENT AGENCIES**

UNITED STATES FEDERAL TRADE COMMISSION see under **GOVERNMENT AGENCIES**

UNITED STATES FOOD AND DRUG ADMINISTRATION

The Food and Drug Administration as a source of information for health professionals. Nightingale SL. **Am J Forensic Med Pathol** 1983 Dec;4(4):365–9

The gastroentrologist and the F.D.A. **Am J Gastroenterol** 1984 Feb;79(2):154–5

FDA regulations as applied to research in cancer centers. Review of problems and possible solutions. van Eys J. **Am J Pediatr Hematol Oncol** 1984 Summer;6(2):191–6

Allergenic extracts: a review of their safety and efficacy. Schaeffer M, et al. **Ann Allergy** 1984 Jan;52(1):2–14 (23 ref.)

Drug development, guidelines, and the Food and Drug Administration [editorial] Roth SH, et al. **Ann Intern Med** 1984 Jul;101(1):125–7

FDA Arthritis Advisory Committee Meeting. Paulus HE. **Arthritis Rheum** 1983 Oct;26(10):1288–9

The FDA report on intraocular lenses. Stark WJ, et al. **Aust J Ophthalmol** 1984 Feb;12(1):61–9

Chelation clinics. An abuse of the physician's freedom of choice. Soffer A. **Chest** 1984 Aug;86(2):157–8

New drugs and FDA publicity. Pines WL. **Drug Intell Clin Pharm** 1983 Sep;17(9):671–2

Health, science, and regulation: the politics of prevention. Kennedy D. **Health Aff (Millwood)** 1983 Fall;2(3):39–51

The right to use nonstandard materials or methods. Hannah HW. **J Am Vet Med Assoc** 1984 Jan 1;184(1):29

FDA extra-label restriction on drugs [letter] Varney JE. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1372, 1374–5

Comment: software and the FDA [editorial] Ward DS. **J Med Eng Technol** 1983 Jul–Aug;7(4):171–2

Hydrofluoric acid skin treatment not approved by FDA [letter] Herbert HR. **J Occup Med** 1984 Jul;26(7):486

FDA–industry relations: progress from confrontation to communication. Robinson JR. **J Parenter Sci Technol** 1983 Jul–Aug;37(4):111–2

The advisory role of FDA district offices in the planning of a new parenteral facility. Tetzlaff RF. **J Parenter Sci Technol** 1984 May–Jun;38(3):94–7

The FDA does not approve uses of drugs [editorial] Archer JD. **JAMA** 1984 Aug 24–31;252(8):1054–5

Discovery of new adverse drug reactions. A review of the Food and Drug Administration's spontaneous reporting system. Rossi AC, et al. **JAMA** 1984 Aug 24–31; 252(8):1030–3

The diethylstilbestrol dilemma. Who should pay? Rymer TA. **JAMA** 1984 Jun 22–29;251(24):3228–9

Device development and FDA scientific review. Pilot LR. **Med Instrum** 1983 Sep–Oct;17(5):341–2

FDA and Naval approval processes for new drugs and devices. Serowski A, et al. **Milit Med** 1984 Jun;149(6):335–7

Product contamination: FDA sends in the marshals [news] Beardsley T. **Nature** 1984 Sep 6–11;311(5981):7

Problems of drug testing in children in the United States. Yaffe SJ. **Pediatr Pharmacol (New York)** 1983;3(3–4):339–48

Using epidemiology to regulate food additives: saccharin case-control studies. Cordle F, et al. **Public Health Rep** 1984 Jul–Aug;99(4):365–9

The Food and Drug Administration's role in the canned salmon recalls of 1982. Hayes AH Jr. **Public Health Rep** 1983 Sep–Oct;98(5):412–5

Laetrile: the regulatory challenge of an unproven remedy. Nightingale SL. **Public Health Rep** 1984 Jul–Aug; 99(4):333–8

The role of epidemiology in the regulation of oral contraceptives. Sobel S. **Public Health Rep** 1984 Jul–Aug; 99(4):350–4

The Food and Drug Administration's Points to Consider in Recombinant DNA Technology. **Recomb DNA Tech Bull** 1984 Mar;7(1):38–9

Food safety: revising the statute. Kessler DA. **Science** 1984 Mar 9;223(4640):1034–40

FDA spars with HHS on advisory posts [news] Sun M. **Science** 1984 May 18;224(4650):698

Impact of regulations on artificial organs research. Morton WA, et al. **Trans Am Soc Artif Intern Organs** 1983;29:770–3

HISTORY

Medical school dean chosen to head FDA [news] Sun M. **Science** 1984 May 25;224(4651):854

ORGANIZATION & ADMINISTRATION

FDA commissioners—their function and operation [editorial] Feldmann EG. **J Pharm Sci** 1984 Jan;73(1):1

FDA resurrects top science office [news] Sun M. **Science** 1984 Apr 6;224(4644):37

UNITED STATES HEALTH CARE FINANCING ADMINISTRATION see under **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES HEALTH RESOURCES ADMINISTRATION see **UNITED STATES HEALTH RESOURCES AND SERVICES ADMINISTRATION**

UNITED STATES HEALTH RESOURCES AND SERVICES ADMINISTRATION

Health personnel requirements, service delivery, and national policy. A conversation with Thomas D. Hatch (interview by Gary R. VandenBos and Walter F. Batchelor). Hatch TD. **Am Psychol** 1983 Dec;38(12):1360–5

Training data. **Fed Proc** 1984 Jan;43(1):7a–10a

UNITED STATES HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION see **UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION**

UNITED STATES NATIONAL HEALTH INSURANCE see **NATIONAL HEALTH INSURANCE, UNITED STATES**

UNITED STATES NATIONAL INSTITUTES OF HEALTH see **NATIONAL INSTITUTES OF HEALTH (U.S.)**

UNITED STATES NATIONAL LIBRARY OF MEDICINE see **NATIONAL LIBRARY OF MEDICINE (U.S.)**

UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

Adverse health effects of ethylene oxide and occupational exposure limits. Sheikh K. **Am J Ind Med** 1984;6(2):117–27 (65 ref.)

Assigned protection factors for two respirator types based upon workplace performance testing. Lenhart SW, et al. **Ann Occup Hyg** 1984;28(2):173–82

OSHA's hearing conservation amendment and the audiologist. Suter AH. **ASHA** 1984 Jun;26(6):39–43

Worker injuries: the effects of Workers' Compensation and OSHA inspections. Robertson LS, et al. **J Health Polit Policy Law** 1983 Fall;8(3):581–97

The role of OSHA violations in serious workplace accidents. Mendeloff J. **J Occup Med** 1984 May;26(5):353–60

Changes in the workplace: implications for occupational safety and health. Clayson ZE, et al. **J Public Health Policy** 1983 Sep;4(3):279–97

Auchter expresses satisfaction with performance, state of OSHA [interview] Auchter TG. **Occup Health Saf** 1984 May;:21–5, 62–5

Eyewashes & showers: ensuring effectiveness. Weaver LA 3d. **Occup Health Saf** 1983 Aug;52(8):13–6, 18–9

OSHA rule is curbed by budget office [news] Sun M. **Science** 1[illegible] Aug 10;225(4662):603–4

ORGANIZATION & ADMINISTRATION

Worker participation in job safety and health. Goldsmith F, et al. **J Public Health Policy** 1983 Dec;4(4):447–66

UNITED STATES PUBLIC HEALTH SERVICE

The National Death Index. MacMahon B. **Am J Public Health** 1983 Nov;73(11):1247–8

The Coronary Drug Project. Role and methods of the Drug Procurement and Distribution Center. Brennan EC. **Controlled Clin Trials** 1983 Dec;4(4):409–17

Health care utilization surveys of the National Center for Health Statistics. Bacon WE, et al. **Health Serv Res** 1984 Apr;19(1):127–31

Provider-based surveys of health care use from the National Center for Health Statistics: an appraisal of their scope and content [editorial] Shapiro S. **Health Serv Res** 1984 Apr; 19(1):133–7

Promoting health/preventing disease: Public health service implementation plans for attaining the objectives for the nation. **Public Health Rep** 1983 Sep–Oct;Suppl:1–176

The 1980 National Natality Survey and National Fetal Mortality Survey—methods used and PHS agency participation. Placek PJ. **Public Health Rep** 1984 Mar–Apr; 99(2):111–6

The 1990 objectives for the nation for control of stress and violent behavior: progress report. Silver BJ, et al. **Public Health Rep** 1984 Jul–Aug;99(4):374–84

ORGANIZATION & ADMINISTRATION

The National Center for Health Care Technology. Assessment of psychotherapy for policymaking. Perry S. **Am Psychol** 1983 Aug;38(8):924–8

The Commissioned Corps of the U.S. Public Health Service: a personnel system under siege. Strosberg MA. **J Public Health Policy** 1984 Mar;5(1):74–82

Federal Policy toward health care technology: the case of the National Center. Blumenthal D. **Milbank Mem Fund Q** 1983 Fall;61(4):584–613

Federal medical chiefs on progress and planning. US Public Health Service. Koop CE. **Milit Med** 1983 Nov; 148(11):854–6

UNITED STATES VETERANS ADMINISTRATION

Rehabilitation medicine within the Veterans Administration: report of a survey. DeLisa JA. **Arch Phys Med Rehabil** 1984 Jul;65(7):388–92

Medical school and VA cooperation in gerontology/geriatrics education. Alter JD, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):89–96

The VA responds on aging veterans [letter] Custis DS. **Health Aff (Millwood)** 1983 Winter;2(4):157–60

VICTORS: a model for the provision of low vision services to the partially sighted veteran. Carty RE, et al. **J Am Optom Assoc** 1983 Oct;54(10):879–83

Administration's VA budget request: too small for needed expansion [editorial] Cooper JA. **J Med Educ** 1984 Aug; 59(8):682–3

Postgraduate training in a Veterans Administration Medical Center admitting office. Nardone DA, et al. **Milit Med** 1983 Oct;148(10):806–7

ORGANIZATION & ADMINISTRATION

A potential step backward for pharmacy [editorial] Archambault GF. **Drug Intell Clin Pharm** 1983 Nov; 17(11):864

Networking computergraphics: The Veterans Administration approach. Jones DC, et al. **J Biocommun** 1984 May; 11(2):34–6

Federal medical chiefs on progress and planning. Veterans Administration. Custis DL. **Milit Med** 1983 Nov; 148(11):845–8

Should the VA reduce its medical-school affiliations? [letter] Sapolsky HM. **N Engl J Med** 1984 Mar 1;310(9):600

UNITHIOL see under **DIMERCAPROL**

UNIVERSITIES

Operative goals of intercollegiate athletics: perceptions of athletic administrators. Chelladurai P, et al. **Can J Appl Sport Sci** 1984 Mar;9(1):33–41

University–Industrial Relationships. Herdman RC. **Cancer Invest** 1984;2(1):61–6

University and pharmaceutical industry cooperation: the need to plan for the future. Atkinson AJ Jr, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):431–7

Biomedical engineering at the University of Technology Twente, Enschede, The Netherlands. Bosma R. **Eng Med** 1983 Oct;12(4):205–6

Biological aspects of aging: two models of teaching. Boly EL. **Gerontol Geriatr Educ** 1983 Fall;4(1):75–81

Nontraditional study of aging in a university setting. Brown JP, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):45–52

Internal contamination of radiological workers by tritium compounds at two universities in The Netherlands. Duijsings JH, et al. **Health Phys** 1984 Mar;46(3):665–9

Collective bargaining in higher education. Fox MJ Jr. **J Allied Health** 1982 Aug;11(3):163–9

Collective bargaining in the public sector of higher education: unit determination criteria. Mannix TM. **J Allied Health** 1982 Aug;11(3):180–7

Measles on campus. Amler RW, et al. **J Am Coll Health** 1983 Oct;32(2):53–7

Measles and rubella on college campuses: the need to act. Bart KJ, et al. **J Am Coll Health** 1983 Oct;32(2):58–62

Preenrollment immunization policies of American colleges: an assessment of the need for policy implementation. Collins M, et al. **J Am Coll Health** 1983 Oct;32(2):49–52

An invitation to experience health. Feeney CA, et al. **J Am Coll Health** 1984 Jun;32(6):270–2

Aerobics for all ages: a broadband approach to a diverse university population. Highstreet VD. **J Am Coll Health** 1983 Dec;32(3):125–7

Industry–University relations: putting America's knowledge to work. Smale JG. **J Dent Res** 1983 Nov;62(11):1109–11

The role of the historic black colleges in the training of black professionals. Davidson AT. **J Natl Med Assoc** 1983 Oct; 75(10):1019–22

A survey of health education requirements in American universities. Kittleson MJ, et al. **J Sch Health** 1984 Feb; 54(2):91–2

Instructional units of death education: the impact of amount of classroom time on changes in death attitudes. Rublee DA, et al. **J Sch Health** 1983 Sep;53(7):412–5

Students' knowledge of child health and development: effects on approaches to discipline. Showers J, et al. **J Sch Health** 1984 Mar;54(3):122–5

The medical school in the university. Muller S. **JAMA** 1984 Sep 21;252(11):1455–7

The relations between the Health Service and the universities in the United Kingdom [editorial] **Med Educ** 1984 May; 18(3):131–3

Universities and continuing medical education. Hunter JD. **Med J Aust** 1984 Feb 4;140(3):162–5

The summer of 1982. Khuri RN. **Middle East J Anaesthesiol** 1983 Feb–Jun;7(1–2):1–7

Some reflections on the relationships between universities and industry as they influence the evolution of the medical–industrial complex. Bondurant S. **NC Med J** 1984 Apr;45(4):235–6

The Open University. Uprichard H. **Physiotherapy** 1984 May 10;70(5):194–5

College students drinking attitudes: 1970–1982. Hanson DJ, et al. **Psychol Rep** 1984 Feb;54(1):300–2

A partial summary of university–industry relationships in the United States. Zinder ND, et al. **Recomb DNA Tech Bull** 1984 Mar;7(1):8–19

GAO report documents rising indirect costs [news] Fox JL. **Science** 1984 Apr 20;224(4646):267–8

Assessment in further education. Hutchinson D. **Spec Educ Forward Trends** 1983 Dec;10(4):17–8

[The university and change] Grande de Arruda BK. **Educ Med Salud** 1983;17(3):314–25 (Eng. Abstr.) **(Por)**

[University technico–scientific cooperation in Latin America and the response of international organizations] Ferreira JR. **Educ Med Salud** 1984;18(1):1–8 **(Spa)**

ECONOMICS

Consortium: survival of small college gerontology programs faced with diminishing resources. Lucchino R, et al. **Gerontol Geriatr Educ** 1983 Fall;4(1):21–4

Universities for hire [editorial] Feldmann EG. **J Pharm Sci** 1984 Feb;73(2):139

US state science: Californian scheme's success [news] Blakeslee S. **Nature** 1984 Apr 26–May 2;308(5962):767

HISTORY

Whither AUB? An excursion through the campus lasting five-score years and ten. Fawaz G. **Middle East J Anaesthesiol** 1983 Feb–Jun;7(1–2):9–19

[The university and the medical school] Pacovský V. **Cas Lek Cesk** 1983 Oct 14;122(41):1261–4 (Eng. Abstr.) **(Cze)**

[Medical students in the fight for a Czech university and medical school. I. Medical students and the problem of nationality in the revolutionary years 1848–1849 and during the period of activity of the Czech Medical Students Club (until 1868)] Hromádková J. **Sb Lek** 1983 Oct; 85(9–10):277–84 (Eng. Abstr.) **(Cze)**

[Authoritative powers of presidents of Cracow University in the control of Cracow's pharmacies in the 15th and 16th centuries in the light of indirect sources and information] Drygas A. **Arch Hist Med (Warsz)** 1983;46(2):183–203 (Eng. Abstr.) **(Pol)**

[Development of therapeutics at Tartu University] Piai LT, et al. **Ter Arkh** 1984;56(3):44–6 **(Rus)**

[Sesquicentennial of the Medical School of the National University of Mexico (1:1833–1859)] de Micheli A. **Arch Inst Cardiol Mex** 1983 May–Jun;53(3):271–6 **(Spa)**

ORGANIZATION & ADMINISTRATION

A proposal for per capita distribution of research funds with administrative flexibility. Hirsch HR. **Fed Proc** 1984 Apr; 43(5):7a–8a

Oxford's clinical school [letter] Potter J. **Lancet** 1984 Apr 28;1(8383):962

Community colleges: a home base for the external degree. Kah S. **Nurs Outlook** 1984 Sep–Oct;32(5):255–8

Physiology chairman's objectives in selecting young members for a large multi–disciplinary state university. Sparks HV Jr. **Physiologist** 1984 Apr;27(2):71–2

[Illustration and Television Service] Bosco Gimeno J. **Rev Med Univ Navarra** 1984 Mar;28(1):57–60 **(Spa)**

UNIVERSITY HEALTH SERVICES see **STUDENT HEALTH SERVICES**

UNIVERSITY MEDICAL CENTERS see **ACADEMIC MEDICAL CENTERS**

UPHILL TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

UPPER RESPIRATORY INFECTIONS see **RESPIRATORY TRACT INFECTIONS**

URACHAL CYST

DIAGNOSIS

Preoperative sonographic diagnosis of infected urachal cyst in a parous woman. Jaffa AJ, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):220–1

Urachal cyst in the adult: ultrasound diagnosis. Bouvier JF, et al. **JCU** 1984 Jan;12(1):48–50

Omphalocele associated with umbilical cord allantoic cyst: sonographic evaluation in utero. Fink IJ, et al. **Radiology** 1983 Nov;149(2):473–6

Urachal abnormalities in the adult. Spataro RF, et al. **Radiology** 1983 Dec;149(3):659–63

URACHUS

Pollakiuria due to urachal abscesses in two heifers. Trent AM, et al. **J Am Vet Med Assoc** 1984 Apr 15;184(8):984–6

Malignant urachal lesions. Sheldon CA, et al. **J Urol** 1984 Jan;131(1):1–8 (97 ref.)

Urachal carcinoma: case report and review of literature. Rajaram P, et al. **Md State Med J** 1983 Oct;32(10):770–2

Clinical features of urachal carcinoma in Japan: review of 157 patients. Ghazizadeh M, et al. **Urol Res** 1983; 11(5):235–8

[Adenocarcinoma of the urachus. Report of a case and review of literature] Marcorelli E, et al. **Minerva Urol** 1983 Jul–Sep;35(3):217–20 (31 ref.) (Eng. Abstr.) **(Ita)**

[Carcinoma of the urachus: report of two cases] Utsunomiya M, et al. **Hinyokika Kiyo** 1983 Jan;29(1):59–66 (Eng. Abstr.) **(Jpn)**

[Cancer of the urachus] Sarantsev AN, et al. **Khirurgiia (Mosk)** 1984 Jun;(6):119–20 **(Rus)**

[Suppurative cyst of the urachus complicated by peritonitis] Atashov SD. **Vestn Khir** 1984 Jun;132(6):91 **(Rus)**

PATHOLOGY

Carcinoma of the urachus. Hayman J. **Pathology** 1984 Apr; 16(2):167–71

RADIOGRAPHY

Adenocarcinoma of the urachus with vesicoenteric fistula. Baumgartner BR, et al. **Urol Radiol** 1984;6(1):55–7

SURGERY

Surgery for anomalies of the urachus. Rich RH, et al. **J Pediatr Surg** 1983 Aug;18(4):370–2

The transected urachus: an unusual cause of neonatal ascites. Hepworth RC, et al. **Pediatrics** 1984 Mar;73(3):397–400

URACIL

On the mechanism of the acid–catalyzed hydrolysis of uridine to uracil. Evidence for 6–hydroxy–5,6–dihydrouridine intermediates. Prior JJ, et al. **J Biol Chem** 1984 Feb 25; 259(4):2429–34

Efficient syntheses of [3–15N]uracil and [3–15N]thymine. Griffey RH, et al. **Nucleic Acids Res** 1983 Sep 24; 11(18):6497–504

Protection of uracil residue with methoxyethoxymethyl group. Ito T, et al. **Nucleic Acids Symp Ser** 1983;(12):51–4

[Infrared spectra of uracil and thymine in an argon matrix] Radchenko ED, et al. **Biofizika** 1983 Nov–Dec;28(6):923–7 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Effective cases of advanced endometrial and recurrent ovarian cancers treated with oral administration of UFT] Akiyama J, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):521–6 (Eng. Abstr.) **(Jpn)**

[Regulation of enzyme activities involved in pyrimidine synthesis and its application to cancer chemotherapy] Shirasaka T, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):760–8 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetics study of UFT in malignant brain tumor patients] Harada K, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):619–24 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Potentiation of 5–fluoro–2'–deoxyuridine antineoplastic activity by the uridine phosphorylase inhibitors benzylacyclouridine and benzyloxybenzylacyclouridine. Chu MY, et al. **Cancer Res** 1984 May;44(5):1852–6

Inhibition of nucleoside transport in murine lymphoma L5178Y cells and human erythrocytes by the uridine phosphorylase inhibitors 5–benzylacyclouridine and 5–benzyloxybenzylacyclouridine. Lee KH, et al. **Cancer Res** 1984 Sep;44(9):3744–8

Disposition of 6–amino–5–(N–methylformylamino)–1,3–dimethyluracil, one of the primary metabolites of caffeine, in the rat. Bonati M, et al. **Drug Metab Dispos** 1983 Sep–Oct;11(5):509–11

Cytological demonstration of DNA synthesis inhibition at late S by 5–amino–uracil. Cortés F, et al. **Exp Cell Res** 1983 Oct 15;148(2):503–7

Pulse radiolytic studies on uracil and uracil derivatives.

Protonation of their electron adducts at oxygen and carbon. Das S, et al. **Int J Radiat Biol** 1984 Jul;46(1):7–9

Metabolism of dihydrouracil in Rhodosporidium toruloides. Davis CH, et al. **J Bacteriol** 1984 Apr;158(1):347–50

Adducts across the 5,6-double bond of pyrimidines. The mechanism of dehydration of 1-substituted uracil photohydrates. Prior JJ, et al. **J Biol Chem** 1984 Feb 25; 259(4):2422–8

Quantitative structure-activity relationships of 6-anilinouracils as inhibitors of Bacillus subtilis DNA polymerase III. Wright GE, et al. **J Med Chem** 1984 Feb; 27(2):181–5

Evaluation of the effectiveness of 2H-1,3-oxazine-2,6(3H)-dione (oxauracil) in the treatment of herpes simplex virus (HSV)-induced acute encephalitis in mice. Seal LA, et al. **J Med Virol** 1984;13(4):371–5

Metabolism of vicine and convicine in rat tissues: absorption and excretion patterns and sites of hydrolysis. Hegazy MI, et al. **J Sci Food Agric** 1984 Feb;35(2):139–46

Uracil, 2,4-dichlorophenol and diphenylether derivatives with antimicrobial activity. Badawi A, et al. **Pharmazie** 1983 Dec;38(12):838–41

DNA breakage caused by 334-nm ultraviolet light is enhanced by naturally occurring nucleic acid components and nucleotide coenzymes. Peak JG, et al. **Photochem Photobiol** 1984 May;39(5):713–6

The possibility that the spectrum of intermediate two, seen in the course of reaction of flavoenzyme phenol hydroxylases, may be attributable to iminol isomers of a flavin-derived 6-arylamino-5-oxo(3H,5H)uracil. Wessiak A, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):332–6

[Effect of 6-methyluracil on lipid metabolic indices and enzyme activity during ether and fluorothan anesthesia in children] Bilich GL, et al. **Anesteziol Reanimatol** 1984 Mar-Apr;(2):27–30 (Eng. Abstr.) **(Rus)**

[Influence of prodigiozan, methyluracil and levamisole on the anti-inflammatory effect of nonsteroid antiphlogistics] Bogdanova ASh. **Antibiotiki** 1984 Jun;29(6):453–6 (Eng. Abstr.) **(Rus)**

[Effect of prodigiozan, levamisole and methyluracil on delayed hypersensitivity against a background of immunosuppressor use] Riabchinskaia LA, et al. **Antibiotiki** 1983 Jul;28(7):510–4 (Eng. Abstr.) **(Rus)**

[Local treatment of suppurative wounds] Datsenko BM, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):136–41 **(Rus)**

[Use of an ointment containing levomycetin, methyluracil and aloe extract in plastic operations with transplantation of free flaps of the mucosa or skin] Krasnikov PG. **Oftalmol Zh** 1984;(1):14–6 (Eng. Abstr.) **(Rus)**

[Effectiveness of the treatment of experimental destructive pulmonary tuberculosis with antibacterial drugs combined with levamisole and diucifon] Khomenko AG, et al. **Probl Tuberk** 1984 Apr;(4):55–9 (Eng. Abstr.) **(Rus)**

[Clinico-immunologic aspects of patients with chronic obstructive bronchitis. Immunomodulating therapy] Martsinovskii VIu, et al. **Ter Arkh** 1983;55(12):61–4 (Eng. Abstr.) **(Rus)**

[Effectiveness of levamisole, prodigiozan and diucifon in the treatment of acute pneumonia] Sil'vestrov VP, et al. **Ter Arkh** 1983;55(12):56–61 (Eng. Abstr.) **(Rus)**

[The cerebrospinal fluid in patients with contagious forms of syphilis treated by the one-course method] Babaiants RS, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):18–21 (Eng. Abstr.) **(Rus)**

[Combined treatment of patients with chronic pyoderma using dimocifon] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):19–23 (Eng. Abstr.) **(Rus)**

[Possible use of diucifon in true eczema] Kubanova AA, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):24–6 (Eng. Abstr.) **(Rus)**

[Effects of diucifon on immunological indicators and dynamics of the cutaneous process in eczema patients] Kubanova AA, et al. **Vestn Dermatol Venerol** 1984 May; (5):13–5 (Eng. Abstr.) **(Rus)**

[Results of treating syphilitic rabbits with penicillin preparations in combination with methyluracil or hydrocortisone] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1983 Jul;(7):15–9 (Eng. Abstr.) **(Rus)**

[Clinical role of methyluracil in combined treatment of patients with peptic ulcer] Asauliuk IK, et al. **Vrach Delo** 1983 Jul;(7):32–5 **(Rus)**

[Experience with the clinical use of methyluracil, sodium nucleinate and levamisole in the complex treatment of erysipelas] Frolov VM, et al. **Vrach Delo** 1983 Oct; (10):102–6 (11 ref.) (Eng. Abstr.) **(Rus)**

ANALYSIS

Enzymic detection of uracil in a cloned and sequenced deoxyribonucleic acid segment. Weiss RB, et al. **Biochemistry** 1983 Sep 13;22(19):4501–7

Pulse radiolytic studies on uracil and uracil derivatives. Protonation of their electron adducts at oxygen and carbon. Das S, et al. **Int J Radiat Biol** 1984 Jul;46(1):7–9

BLOOD

Separation of 5-fluorouracil and uracil by ion-pair reversed-phase high-performance liquid chromatography on a column with porous polymeric packing. Peters GJ, et al. **J Chromatogr** 1984 May 11;307(2):464–8

METABOLISM

Perturbations of enzymic uracil excision due to guanine modifications in DNA. Duker NJ, et al. **Cancer Res** 1984 Feb;44(2):602–4

Transport of nucleic acid bases into Escherichia coli. Burton K. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3505–13

Effects of 5-azacytosine in DNA on enzymic uracil excision. Chao TL, et al. **Mutat Res** 1984 Jun-Jul;140(2-3):93–8

Allosteric control of pyrimidine transport in Hymenolepis diminuta: an unusual kinetic isotope effect. Uglem GL, et al. **Parasitology** 1983 Oct;87 (Pt 2):289–93

[Utilization of nitrogen from uracil-(1.3-15N2) in fattening lambs] Schwarzenböck J, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1983 Jul;50(1-2):61–8 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics and a phase I study of tegafur-uracil enterogranules in cancer patients] Kamiya O, et al. **Gan To Kagaku Ryoho** 1983 Dec;10(12):2565–72 (Eng. Abstr.) **(Jpn)**

[UFT concentration in various tissues from cancer patients] Kasai Y, et al. **Gan To Kagaku Ryoho** 1983 Oct; 10(10):2130–8 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Uracil enhancement of 5-fluorodexoyuridine incorporation into human breast carcinoma deoxyribonucleic acid. Kufe DW, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2329–31

Effect of coadministration of uracil on the toxicity of tegafur. Yamamoto J, et al. **J Pharm Sci** 1984 Feb;73(2):212–4

TOXICITY

In vitro and in vivo cytotoxicity of possible uracil metabolites of methylxanthines. Peri G, et al. **Toxicol Lett** 1983 Aug; 18(1-2):133–40

URINE

Elevated urine, blood and cerebrospinal fluid levels of uracil and thymine in a child with dihydrothymine dehydrogenase deficiency. Bakkeren JA, et al. **Clin Chim Acta** 1984 Jul 31;140(3):247–56

URACIL NUCLEOTIDES

Inhibition of terminal deoxynucleotidyltransferase by various 5-alkylated derivatives of 1-beta-arabinofuranosyluracil 5'-triphosphate: substituent effects on inhibitory action. Ono K, et al. **Biomed Pharmacother** 1983;37(6):288–92

X-ray crystallographic analysis of a ternary intercalation complex between proflavine and the dinucleoside monophosphates CpA and UpG. Aggarwal A, et al. **Biopolymers** 1984 Jun;23(6):1025–41

On the metal-ion coordinating properties of the 5'-monophosphates of 1, N6-ethenoadenosine (epsilon-AMP), adenosine and uridine. Comparison of the macrochelate formation in the complexes of epsilon-AMP, AMP, ADP and ATP. Sigel H, et al. **Eur J Biochem** 1984 Jan 16;138(2):291–9

BIOSYNTHESIS

Evidence that intracellular synthesis of 5-fluorouridine-5'-phosphate from 5-fluorouracil and 5-fluorouridine is compartmentalized. Shani J, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):439–45

Enzymes of the de novo and salvage pathways for pyrimidine biosynthesis in normal colon, colon carcinoma, and xenografts. Ahmed NK. **Cancer** 1984 Oct 1;54(7):1370–3

[Effect of acetylcholine on incorporation of 14C-precursors into uridylic and cytidylic nucleotides of the RNA of digestive glands] Dubitskiĭ LA, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):62–6 (Eng. Abstr.) **(Rus)**

BLOOD

Cytosine and uracil nucleotides in erythrocytes from two patients with pyrimidine 5'-nucleotidase deficiency. De Verdier CH, et al. **Biomed Biochim Acta** 1983; 42(11-12):S293–4

DEFICIENCY

Depletion of blood plasma cytidine due to increased hepatocellular salvage in D-galactosamine-treated rats. Holstege A, et al. **Eur J Biochem** 1984 Jun 1;141(2):339–44

ISOLATION & PURIFICATION

Comparison of polyadenylic acid and oligouridylic acid messenger RNA associated proteins. Ford G, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):1044–52

METABOLISM

Purified lupus antigen La recognizes an oligouridylate stretch common to the 3' termini of RNA polymerase III transcripts. Stefano JE. **Cell** 1984 Jan;36(1):145–54

Deficiency in intercellular communication in two established renal epithelial cell lines (LLC-PK1 and MDCK). Sepúlveda FV, et al. **J Cell Sci** 1984 Mar;66:81–93

Imbalance of total cellular nucleotide pools and mechanism of the colchicine-induced cell activation. Chou IN, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2401–5

PHARMACODYNAMICS

Regulatory kinetics of wheat-germ aspartate transcarbamoylase. Adaptation of the concerted model to account for complex kinetic effects of uridine 5'-monophosphate. Yon RJ. **Biochem J** 1984 Jul 15; 221(2):281–7

Kinetic properties of the rat intestinal microsomal 1-naphthol:UDP-glucuronosyl transferase. Inhibition by UDP and UDP-N-acetylglucosamine. Koster AS, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):76–85

Inhibition of terminal deoxynucleotidyltransferase by various 5-alkylated derivatives of 1-beta-arabinofuranosyluracil 5'-triphosphate: substituent effects on inhibitory action. Ono K, et al. **Biomed Pharmacother** 1983;37(6):288–92

Metabolic resistance to tight-binding inhibitors of enzymes involved in the de novo pyrimidine pathway. Simulation of time-dependent effects. Duggleby RG, et al. **Eur J Biochem** 1984 Aug 15;143(1):221–6

Mechanisms of the contractile effect induced by uridine 5-triphosphate in canine cerebral arteries. Shirasawa Y, et al. **Stroke** 1983 May-Jun;14(3):347–55

Acceleration of ethanol metabolism by administration of uridine diphosphate(UDP) in rat. Ishii H, et al. **Subst Alcohol Actions Misuse** 1983;4(5):361–8

TOXICITY

Targeted mutagenesis in vitro: lac repressor mutations generated using AMV reverse transcriptase and dBrUTP. Mott JE, et al. **Nucleic Acids Res** 1984 May 25; 12(10):4139–52

URACIL POLYNUCLEOTIDES see **POLY U**

URAGOGA see **IPECAC**

URALENIC ACID see **GLYCYRRHETINIC ACID**

URANIUM

A quantitative ultrastructural evaluation of the cell organelle specificity of the uranaffin reaction in normal human platelets. Payne CM. **Am J Clin Pathol** 1984 Jan;81(1):62–70

Reliability of computerized versus manual death searches in a study of the health of Eldorado uranium workers. Newcombe HB, et al. **Comput Biol Med** 1983;13(3):157–69

A comparison of alpha spectroscopy and gross alpha techniques for determining working level in uranium mines and houses. Borak TB, et al. **Health Phys** 1984 May; 46(5):1053–61

In vitro dissolution of respirable aerosols of industrial uranium and plutonium mixed-oxide nuclear fuels. Eidson AF, et al. **Health Phys** 1983 Dec;45(6):1023–37

Radon daughters in European mines [letter] O'Riordan MC. **Health Phys** 1984 Mar;46(3):701–2

The assessment of human exposure to radionuclides from a uranium mill tailings release and mine dewatering effluent. Ruttenber AJ Jr, et al. **Health Phys** 1984 Jul;47(1):21–35

Prevalence survey of respiratory abnormalities in New Mexico uranium miners. Samet JM, et al. **Health Phys** 1984 Feb;46(2):361–70

Comments on lung cancer risk estimates [letter] Sevc J, et al. **Health Phys** 1984 Apr;46(4):961–5

A method for increasing the surface details of resin embedded viruses using Congo/Crimean haemorrhagic fever virus as a model. Ellis DS, et al. **J Virol Methods** 1984 Feb; 8(1-2):57–61

Uranium mining and lung cancer in Navajo men. Samet JM, et al. **N Engl J Med** 1984 Jun 7;310(23):1481–4

NMR studies on the new cluster complexes between 5'-nucleotides and uranyl ions. Structure and dynamic equilibria in alkaline aqueous solution. Kainosho M, et al. **Nucleic Acids Symp Ser** 1983;(12):181–4

The influence of age on acute renal toxicity of uranyl nitrate in the dog. Pelayo JC, et al. **Pediatr Res** 1983 Dec; 17(12):985–92

Mechanism of increased renal prostaglandin E2 in uranyl nitrate-induced acute renal failure. Chaudhari A, et al **Prostaglandins** 1983 Nov;26(5):689–99

A combined staining technique developed for virus particle observation in the electron microscope. Fonseca ME, et al. **Rev Bras Biol** 1984 Feb;44(1):37–40

ANALYSIS

Calibration and field application of a Sierra Model 235 cascade impactor. Knuth RH. **Am Ind Hyg Assoc J** 1984 Jun;45(6):393–8

Techniques for yellowcake dissolution studies in vitro and their use in bioassay interpretation. Eidson AF, et al. **Health Phys** 1984 Jan;46(1):151–63

Predicted deposition rates of uranium yellowcake aerosols sampled in uranium mills. Eidson AF, et al. **Health Phys** 1984 Jan;46(1):165–76

Uranium and 226Ra in human bone from Russia. Fisenne IM, et al. **Health Phys** 1984 Feb;46(2):438–40

Radioactivity associated with amang upgrading plants. Hu SJ, et al. **Health Phys** 1984 Feb;46(2):452–5

Geochemical and radiological characterization of soils from former radium processing sites. Landa ER. **Health Phys** 1984 Feb;46(2):385–94

Determination of uranium isotopes by chemical stripping and alpha-spectrometry. Sachett IA, et al. **Health Phys** 1984

Jan;46(1):133–9
Uranium isotopes in Hiroshima 'black rain' soil. Takada J, et al. **J Radiat Res (Tokyo)** 1983 Sep;24(3):229–36
MicroPIXE as a tool to search for uranium-bearing particles in lung tissues. Paschoa AS, et al.
Neurotoxicology (Park Forest Il) 1983 Fall;4(3):205–10
Long-term distribution of 239-Pu, 241-Am, and 233-U in the various bones of the skeleton of adult rats. Sontag W. **Radiat Environ Biophys** 1984;23(2):117–20
Estimated dose to man from uranium milling via the beef/milk food-chain pathway. Rayno DR.
Sci Total Environ 1983 Dec 1;31(3):219–41 (145 ref.)
The radioactivity content of United Kingdom coal. Salmon L, et al. **Sci Total Environ** 1984 May 1;35(3):403–15
Uranium and thorium content in long-tailed ducks (Clangula hyemalis L.). Szefer P, et al. **Sci Total Environ** 1983 Aug; 29(3):277–80
[Determination of uranium in human tissues by the fission track method] Igarashi Y, et al. **Radioisotopes** 1984 Feb; 33(2):55–9 (Eng. Abstr.) **(Jpn)**
[Milking of 234Th from uranium by the combined use of adsorption on active charcoal and anion exchange] Inoue Y, et al. **Radioisotopes** 1984 May;33(5):291–4 (Eng. Abstr.) **(Jpn)**
[Calibrated alpha source for determining the uranium content of biological samples] Sadikov NM, et al. **Gig Sanit** 1984 Feb;(2):57–9 **(Rus)**
[Maximum permissible concentrations of radium and uranium in mineral drinking waters] Adilov VB, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1983 Sep–Oct;(5):63–5 **(Rus)**

DIAGNOSTIC USE

Application of o-hydroxyhydroquinonephthalein-uranium (VI) complex to determination of neomycin and toburamycin. Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar;32(3):1214–8
Functional and structural analysis of acetylcholine receptor-rich membranes after negative staining. Reinhardt S, et al. **FEBS Lett** 1984 Jul 23;173(1):217–21
A routine method for contrasting elastin at the ultrastructural level. Franc S, et al. **J Histochem Cytochem** 1984 Feb; 32(2):251–8

METABOLISM

Comparison of early lung clearance of yellowcake aerosols in rats with in vitro dissolution and IR analysis. Damon EG, et al. **Health Phys** 1984 Apr;46(4):859–66
Deposition pattern and toxicity of subcutaneously implanted uranium dioxide in rats. de Rey BM, et al.
Health Phys 1984 Mar;46(3):688–92
Factors affecting the abundance of uranium isotopes in body tissues and excreta following the deposition of enriched uranium dioxide in the lungs—the radiological implications. Stradling GN, et al. **Health Phys** 1984 Feb;46(2):434–8
A comparison of the distributions of the actinides uranium and thorium with the lanthanide gadolinium in the tissues and eggs of Japanese quail: concentrations of uranium in feeds and foods. Robinson GA, et al. **Poult Sci** 1984 May; 63(5):883–91
[Role of lysosomes and spherocrystals in the phenomenon of uranium concentration in the mussel Mytilus edulis (L). Microanalysis by X-ray spectrometry] Chassard-Bouchaud C. **C R Seances Acad Sci [III]** 1983;296(13):581–6 (Eng. Abstr.) **(Fre)**
[Bioaccumulation of uranium by mussels, Mytilus edulis (L.) collected from the French coasts of the Channel and experimental contamination. Microanalysis by secondary ionic emission] Chassard-Bouchaud C, et al.
C R Seances Acad Sci [III] 1983;296(23):1095–100 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The effect of osmium postfixation and uranyl and lead staining on the ultrastructure of young enamel in the rat incisor. Nanci A, et al. **Anat Rec** 1983 Sep;207(1):1–16
Selective antagonism by uranyl nitrate against Formosan krait venom—Part II. Lin-Shiau SY, et al.
Taiwan I Hsueh Hui Tsa Chih 1983 Nov;82(11):1099–103
Selective antagonism by uranyl nitrate against Formosan krait venom. Part III. Mechanism of action of uranyl nitrate. Lin-Shiau SY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):21–6
Selective antagonism by uranyl nitrate against Formosan Krait venom—Part I. Lin-Shiau SY.
Taiwan I Hsueh Hui Tsa Chih 1983 May;82(5):640–3

TOXICITY

Altered glomerular eicosanoid biosynthesis in uranyl nitrate-induced acute renal failure. Chaudhari A, et al.
Biochim Biophys Acta 1984 Feb 9;792(2):135–40
Uranium effects on the growth of soybean (Glycine max (L.) Merr.). Murthy TC, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):580–6
Effects of acute intoxication with uranyl nitrate on bone formation. Guglielmotti MB, et al. **Experientia** 1984 May 15;40(5):474–6
Comments on note by Lal et al [letter] Cothern CR, et al. **Health Phys** 1983 Nov;45(5):1005–6

URINE

Factors affecting the abundance of uranium isotopes in body tissues and excreta following the deposition of enriched uranium dioxide in the lungs—the radiological implications. Stradling GN, et al. **Health Phys** 1984 Feb;46(2):434–8

URANYL NITRATE see under **URANIUM**

URATE OXIDASE

Measuring urate in the Technicon SMAC by using unbound uricase and omitting dialysis [letter] O'Leary N, et al. **Clin Chem** 1983 Nov;29(11):1993–4

ANTAGONISTS & INHIBITORS

Uricostatic effect of allopurinol in the allantoxanamide-treated rat: a new method for evaluating antiuricopathic drugs. Hropot M, et al.
Adv Exp Med Biol 1984;165 Pt A:175–8
Non-classical inhibition of uricase by cyanide. Conley TG, et al. **Biochem J** 1980 Jun 1;187(3):733–8

IMMUNOLOGY

Induction of tolerance in mice by uricase and monomethoxypolyethylene glycol-modified uricase. Savoca KV, et al. **Int Arch Allergy Appl Immunol** 1984; 75(1):58–67
[Hyperuricemia resistant to urate oxidase. Role of anti-serum urate oxidase precipitating antibodies (letter)] Sibony G, et al. **Presse Med** 1984 Feb 18;13(7):443 **(Fre)**

METABOLISM

Uricase from soybean root nodules: purification, properties, and comparison with the enzyme from cowpea. Lucas K, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):190–7
Thermodynamics and stoicheiometry of the binding of substrate analogues to uricase. Conley TG, et al.
Biochem J 1980 Jun 1;187(3):727–32
On the synthesis and incorporation of catalase and urate oxidase into the peroxisomes of mouse liver. Crane D, et al. **Int J Biochem** 1983;15(12):1429–37
Ontogeny of hepatic peroxisomal uricase activity in the mongrel puppy. Whitington PF, et al. **Pediatr Res** 1983 Sep;17(9):714–6

PHARMACODYNAMICS

Hypouricaemic effect after oral administration in chickens of polyethylene glycol-modified uricase entrapped in liposomes. Nishida Y, et al. **J Pharm Pharmacol** 1984 May; 36(5):354–5

THERAPEUTIC USE

[Hyperuricemia resistant to urate oxidase. Efficacy of high doses (letter)] Escudier B, et al. **Presse Med** 1984 May 19; 13(21):1340 **(Fre)**

URBAN DEVELOPMENT see **URBAN RENEWAL**

URBAN HEALTH see under **HEALTH**

URBAN PLANNING see **CITY PLANNING**

URBAN POPULATION

Hip fracture among the elderly in a mixed urban and rural population. Kreutzfeldt J, et al. **Age Ageing** 1984 Mar; 13(2):111–9
Application of ILO classification to a population without industrial exposure: findings to be differentiated from pneumoconiosis. Epstein DM, et al. **AJR** 1984 Jan; 142(1):53–8
Institutional care at the age of 79 in an urban population—an analysis from a longitudinal population study. Mellström D, et al. **Aktuel Gerontol** 1983 Nov;13(6):241–3
Relation between coffee drinking and blood pressure: analysis of 6,321 subjects in the Paris region. Lang T, et al.
Am J Cardiol 1983 Dec 1;52(10):1238–42
Sources of assistance among residents of a Dutch high-rise development. Korte C, et al. **Am J Community Psychol** 1983 Dec;11(6):751–5
Race differences in psychological distress: the effects of SES, urbanicity, and measurement strategy. Neff JA.
Am J Community Psychol 1984 Jun;12(3):337–51
Predictors of help-seeking in an urban setting: the search for child care. Powell DR, et al.
Am J Community Psychol 1983 Aug;11(4):401–22
Diphtheria immunity in Massachusetts—a study of three urban patient populations. Sargent RK, et al.
Am J Med Sci 1984 Mar–Apr;287(2):37–9
Sources of lead in the urban environment [editorial] Mahaffey KR. **Am J Public Health** 1983 Dec;73(12):1357–8
Lead concentrations in inner-city soils as a factor in the child lead problem. Mielke HW, et al. **Am J Public Health** 1983 Dec;73(12):1366–9
Epidemiologic research on the role of studying and urban environment in the development of myopia during school-age years. Paritsis N, et al. **Ann Ophthalmol** 1983 Nov;15(11):1061–5
Perinatal lead and cadmium burden in a British urban population. Kovar IZ, et al. **Arch Dis Child** 1984 Jan; 59(1):36–9
Low survival of South African urban black women with breast cancer. Walker AR, et al. **Br J Cancer** 1984 Feb; 49(2):241–4
Early detection of bowel cancer at an urban public hospital: demonstration project. Hoffman A, et al. **CA** 1983 Nov–Dec;33(6):344–58
Nutrition knowledge of a sample of urban women. Rahn MJ, et al. **Can J Public Health** 1984 Mar–Apr;75(2):123–7
Action in urban undernutrition. **Cent Afr J Med** 1983 Nov; 29(11):231–2
Urban malnutrition [letter] Mossop RT. **Cent Afr J Med** 1983 Nov;29(11):229–31
Suggested reference values for serum total protein and fractions of African and Indian middle-class urban women and newborns. Lakhani S, et al. **East Afr Med J** 1984 Feb; 61(2):129–32
Mortality, cause of death and social class in the Belfast urban area, 1970. Pringle DG. **Ecol Dis** 1983;2(1):1–8
Epilepsy and the inner city schools: a school-based program that makes a difference. Freeman JM, et al. **Epilepsia** 1984 Aug;25(4):438–42
The effect of environmental tobacco smoke in two urban communities in the west of Scotland. Gillis CR, et al.
Eur J Respir Dis [Suppl] 1984;133:121–6
The availability of sex education in large city school districts. Sonenstein FL, et al. **Fam Plann Perspect** 1984 Jan–Feb; 16(1):19–25
The incidence of amoebiasis among secondary school students in Calabar, Nigeria. Umeche N.
Folia Parasitol (Praha) 1983;30(3):277–80
Environmental determinants of neighborhood satisfaction among urban elderly men. Jirovec RL, et al.
Gerontologist 1984 Jun;24(3):261–5
Using health care: rural/urban differences among the Manitoba elderly. Shapiro E, et al. **Gerontologist** 1984 Jun; 24(3):270–4
Major urban health departments: the ideal and the real. Sencer DJ. **Health Aff (Millwood)** 1983 Winter;2(4):88–95
A psychiatric profile of street people admitted to an emergency shelter. Arce AA, et al.
Hosp Community Psychiatry 1983 Sep;34(9):812–7
Street people and psychiatry: an introduction. Jones RE.
Hosp Community Psychiatry 1983 Sep;34(9):807–11
Down and out in the city: the homeless mentally ill. Lipton FR, et al. **Hosp Community Psychiatry** 1983 Sep; 34(9):817–21
The shame of the cities. Talbott JA.
Hosp Community Psychiatry 1983 Sep;34(9):773
The effect of perceived neighborhood setting on self-reported tobacco, alcohol, and marijuana use among inner-city minority junior high school youth. Blount WR, et al. **Int J Addict** 1984 Apr;19(2):175–98
A model for assessing and improving drug abuse treatment resource use in inner-city areas. Dembo R, et al.
Int J Addict 1983 Oct;18(7):921–36
Environmental satisfaction, sociability, and well-being among urban elderly. Barresi CM, et al.
Int J Aging Hum Dev 1983–84;18(4):277–93
The interactive effect of health status on work patterns among urban Puerto Rican women. Zambrana RE, et al.
Int J Health Serv 1984;14(2):265–77
Learning to do psychoanalytic therapy with inner city population. Olarte SW, et al. **J Am Acad Psychoanal** 1984 Jan;12(1):89–99
Family planning in Lae urban area of Papua New Guinea 1981. Agyei WK. **J Biosoc Sci** 1984 Apr;16(2):269–75
Mortality of an urban population by period of residence in a rapidly industrialized city. Masaki M, et al.
J Biosoc Sci 1983 Oct;15(4):473–80
Impact of child mortality and sociodemographic attributes on family size desires: some data from urban India. Saksena DN, et al. **J Biosoc Sci** 1984 Jan;16(1):119–26
Infantile autism and other childhood psychoses in a Swedish urban region. Epidemiological aspects. Gillberg C.
J Child Psychol Psychiatry 1984 Jan;25(1):35–43
Pulmonary tuberculosis among contacts of patients with tuberculosis in an urban Indian population. Kumar RA, et al. **J Epidemiol Community Health** 1984 Sep;38(3):253–8
Blood pressure and its correlates in an African tribe in urban and rural environments. Poulter N, et al.
J Epidemiol Community Health 1984 Sep;38(3):181–5
Working conditions of the shift workers of the metropolitan area Sao Paulo, Brazil. Fischer FM.
J Hum Ergol (Tokyo) 1982;11 Suppl:177–93
Seroepidemiology of hepatitis B in an urban population of Nairobi, Kenya. Bowry TR. **J Infect Dis** 1983 Dec; 148(6):1122
Rural versus urban parasuicide—referral and management. Hughes GW. **J R Coll Gen Pract** 1983 Oct;33(255):637–40
Alcohol problems among employed men and women in metropolitan Detroit. Parker DA, et al. **J Stud Alcohol** 1983 Nov;44(6):1026–39
Ecologic correlates of cancer mortality patterns in an industrialized urban population. Dayal H, et al. **JNCI** 1984 Sep;73(3):565–74
A pilot study of elderly people in an urban township in Lusaka. Watts T, et al. **Med J Zambia** 1982 May–Jul; 16(3):63–5
Tularemia. Two manifestations in an urban man. Nohinek B, et al. **Mo Med** 1983 Nov;80(11):687–9, 698
A hospital's response to the increasing incidence of child

abuse and neglect in an inner-city population. Levy HB, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):161–5
Iodine intake in an urban environment: a study of urine iodide excretion in Auckland. Cooper GJ, et al. **NZ Med J** 1984 Mar 14;97(751):142–5
Cosleeping in urban families with young children in the United States. Lozoff B, et al. **Pediatrics** 1984 Aug; 74(2):171–82
Inner-city residents, ethnic minorities and primary health care. Johnson MR, et al. **Postgrad Med J** 1983 Oct; 59(696):664–7
Trends and patterns in cancer mortality in Baltimore. Celentano DD. **Prog Clin Biol Res** 1984;156:235–44
Some determinants of attitudes toward substance use in an urban ethnic community. Gary LE, et al. **Psychol Rep** 1984 Apr;54(2):539–45
Lead levels in whole blood of an adult population group from Rome. Pallotti G, et al. **Sci Total Environ** 1983 Oct; 31(1):81–7
Family variables and child mental disorders in a Third World urban area (Bahia, Brazil). de Almeida-Filho N. **Soc Psychiatry** 1984;19(1):23–30
Statistical correlation between oral hygiene and dental caries tested in Haitian and Hamburg children. Franz FE, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Dec; 93(12):1183–8
Urban and rural Indian drinking patterns: implications for intervention policy development. Weibel-Orlando J, et al. **Subst Alcohol Actions Misuse** 1984;5(1):45–57
The Denver Developmental Screening Test: normative data for Ankara children. Yalaz K, et al. **Turk J Pediatr** 1983 Oct-Dec;25(4):245–58
[Research activities in the urban school environment. Prevention of problems in adolescence] Wantens-Meerseman M, et al. **Arch Belg** 1983; 41(9–10):357–65 (Eng. Abstr.) (Fre)
[Prevalence and evolution of congenital malaria in an urban zone: Cases from the city of Thies (Senegal)] Diallo S, et al. **Dakar Med** 1983;28(1):133–41 (Eng. Abstr.) (Fre)
[Fatal voluntary nivaquine poisoning in a Dakar milieu in Senegal. Apropos of 22 cases] Ndiaye PD, et al. **Dakar Med** 1983;28(1):159–65 (Eng. Abstr.) (Fre)
[Results of skinfold thickness measurements in students from the city of Jena and the Jena rural districts] Jaeger U. **Arztl Jugendkd** 1983 Oct;74(5):309–21 (Eng. Abstr.) (Ger)
[The need for treatment of tooth and jaw position anomalies in 9-year-old Bern schoolchildren] Ratschiller UP, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):445–52 (Eng. Abstr.) (Ger)
[Social mobility and course of treatment in schizophrenic psychoses in a West Germany large city] Pieschl D, et al. **Soc Psychiatry** 1984;19(3):143–51 (Eng. Abstr.) (Ger)
[Mucogingival status of 35- and 45-year-old Zurich inhabitants] Wally M, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Oct; 93(10):1017–27 (25 ref.) (Eng. Abstr.) (Ger)
[Incidence of alcoholism in a general practice office in a large city] Kreyssig M, et al. **Z Arztl Fortbild (Jena)** 1983; 77(17):735–8 (Ger)
[Motor performance and motor handicaps in the 60 to 90-year-old urban population] Garms-Homolová V, et al. **Z Gerontol** 1983 Nov-Dec;16(6):260–9 (Eng. Abstr.) (Ger)
[The Mannheim Cohort Project—prevalence of psychogenic diseases in cities] Schepank H, et al. **Z Psychosom Med Psychoanal** 1984;30(1):43–61 (Eng. Abstr.) (Ger)
[Heterozygote beta-microcythemic children in Iesi. Statistical findings and health prospects] Bini PL, et al. **Minerva Med** 1983 Dec 22;74(49–50):2921–5 (Ita)
[Cross-sectional epidemiological study of the development and dental status of school-age subjects in Palermo. A comparative analysis with Swedish and English data] Priolisi A, et al. **Minerva Stomatol** 1984 Mar-Apr; 33(2):231–45 (Eng. Abstr.) (Ita)
[Serum creatine phosphokinase levels of rural and urban subjects in Japan] Mandai T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Nov;20(6):469–75 (Eng. Abstr.) (Jpn)
[Acute poisonings among the inhabitants of Kraków 1979–1980] Cholewa L, et al. **Przegl Lek** 1983;40(6):503–7 (Eng. Abstr.) (Pol)
[Social determinants of food habits and behavior related to family nutrition in the urban environment] Narojek L, et al. **Rocz Panstw Zakl Hig** 1983;34(3):231–8 (Eng. Abstr.) (Pol)
[Assortative mating in the population of a modern city] Bochkov NP, et al. **Genetika (Moskva)** 1984 Jul; 20(7):1224–9 (Eng. Abstr.) (Rus)
[Characteristics of the Gd- alleles discovered in a population check of pupils in the city of Kostroma] Krasnopol'skaia KD, et al. **Genetika (Moskva)** 1984 Jul;20(7):1219–23 (Eng. Abstr.) (Rus)
[Role of migration processes in shaping the marriage structure of the Moscow population. I. The age, place of birth and nationality of those entering marriage] Kurbatova OL, et al. **Genetika (Moskva)** 1984 Mar;20(3):501–11 (Eng. Abstr.) (Rus)
[Distribution of acetylator phenotypes in the Moscow population] Lil'in ET, et al. **Genetika (Moskva)** 1983 Aug; 19(8):1378–80 (Eng. Abstr.) (Rus)
[Analysis of the prevalence of hereditary adenomatosis of the gastrointestinal tract among the population of Moscow] Tatishvili GG, et al. **Genetika (Moskva)** 1984 May; 20(5):857–63 (Eng. Abstr.) (Rus)
[Evaluation of the physical development of Rostov-on-Don and Volgodonsk preschool children] Belogolovskiĭ GG, et al. **Gig Sanit** 1983 Nov;(11):92 (Rus)
[Physical development of school-age children in Novovolynsk] Galushko BI, et al. **Gig Sanit** 1983 Aug; (8):62–3 (1 ref.) (Rus)
[Efficacy of health promotion for children in urban pioneer camps] Grebniak NP, et al. **Gig Sanit** 1983 Jul;(7):23–5 (Eng. Abstr.) (Rus)
[Dynamics of the physical development of Perm schoolchildren] Kalibernyĭ VV, et al. **Gig Sanit** 1983 Nov; (11):81–2 (Rus)
[Physical development of preschoolers in Vitebsk] Karavaev AG, et al. **Gig Sanit** 1983 Jul;(7):89–90 (Rus)
[Incidence and intensity of caries of the permanent dentition during the period of mineralization in Arkhangelsk children depending on the fluorine content in the drinking water] Zanovskiĭ VP, et al. **Gig Sanit** 1983 Jul;(7):55–7 (Rus)
[Organization of specialized care for patients with allergic diseases in a city with a large population] Vishniakov NI. **Sov Med** 1984;(5):78–80 (Rus)
[Pediatric road traffic injuries in a large city] Lishke AA, et al. **Sov Zdravookhr** 1984;(7):38–40 (Rus)
[Results of 3 years of using comprehensive dental caries prophylaxis in the kindergartens and nurseries of Riga] Griunberg AA, et al. **Stomatologiia (Mosk)** 1983 Nov-Dec; 62(6):10–2 (Eng. Abstr.) (Rus)
[Disease of the marginal periodontium in schoolchildren in Ulan Bator] Norovpil Ts. **Stomatologiia (Mosk)** 1983 Nov-Dec;62(6):71–3 (Rus)
[Etiology of influenza in Leningrad in 1979–1981] Briantsev EA, et al. **Tr Inst Pastera** 1982;59:15–20 (Rus)
[Epidemiology of pseudotuberculosis in Leningrad] Epifanova KI, et al. **Tr Inst Pastera** 1983;60:87–91 (Eng. Abstr.) (Rus)
[Experience in the mass immunization of the working population of Leningrad with inactivated chromatographic influenza vaccine] Matiukhin NIa, et al. **Tr Inst Pastera** 1982;59:52–5 (Rus)
[Evaluation of the mass vaccinal prevention of influenza in the Petrograd District of Leningrad] Mukhina LP, et al. **Tr Inst Pastera** 1982;58:59–61 (Rus)
[Autonomy of the epidemic process of mumps in cities] Slatina KI, et al. **Tr Inst Pastera** 1983;61:155–8 (Eng. Abstr.) (Rus)
[Leptospira infection in Leningrad] Stoianova NA, et al. **Tr Inst Pastera** 1983;60:105–11 (Eng. Abstr.) (Rus)
[Yersiniasis in Leningrad] Vashchenok GI, et al. **Tr Inst Pastera** 1983;60:82–7 (Eng. Abstr.) (Rus)
[Epidemiologic features of ornithosis in Leningrad] Volkova GV. **Tr Inst Pastera** 1983;60:36–8 (Eng. Abstr.) (Rus)
[Distribution of the frequency of sister chromatid exchange among Leningrad inhabitants] Slozina NM, et al. **Tsitol Genet** 1984 Jul-Aug;18(4):302–7 (Eng. Abstr.) (Rus)
[Typology of the individual mode of life and health of the retirement-age urban population (based on a systems approach)] Sachuk NN. **Vestn Akad Med Nauk SSSR** 1984; (3):83–9 (Eng. Abstr.) (Rus)
[Fungal skin diseases in the inhabitants of Conakry] Pankratov VG, et al. **Vestn Dermatol Venerol** 1984 Apr; (4):69–72 (Eng. Abstr.) (Rus)
[Characteristics of the causative agents of the influenza A (H3N2) epidemic in Leningrad in 1983] Ivanova NA, et al. **Vopr Virusol** 1984 May-Jun;29(3):286–90 (Eng. Abstr.) (Rus)
[Incidence of influenza in a large city 1978–1981] Khokhlova GG, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):21–4 (Eng. Abstr.) (Rus)
[Long-term results of preventive screening in an urban therapeutic district] Pisterman BM, et al. **Vrach Delo** 1984 Mar;(3):117–9 (Rus)
[Comparative characteristics of the basic indices of blood lipid metabolism in an urban population] Shestov DB, et al. **Vrach Delo** 1984 Mar;(3):48–53 (Eng. Abstr.) (Rus)
[Effect of a complex system for controlling influenza on a city scale on population mortality] Gagarinova VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):55–8 (Eng. Abstr.) (Rus)
[Detection of antibodies against enterovirus 71 in the sera of Moscow residents] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):94–5 (Eng. Abstr.) (Rus)
[Dynamics of population immunity to influenza A and B viruses resulting from the introduction of a comprehensive influenza control system in a city] Kustikova IuG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):103–6 (Eng. Abstr.) (Rus)
[Education and family planning in the urban sector] Fernandez NI. **Hygie** 1984 Jun;3(2):38–40 (Eng. Abstr.) (Spa)

URBAN RENEWAL

see related
HOUSING

Need for services by the elderly experiencing urban change. Eckert JK, et al. **Gerontologist** 1984 Jun;24(3):257–60

URBANIZATION

Hypothesis of leprosy, tuberculosis and urbanization in Africa. Hunter JM, et al. **Soc Sci Med** 1984;19(1):27–57
[Pollution by urban and farm wastes: eutrophication] Romaña LA. **Bull Acad Natl Med (Paris)** 1983 May;167(5):499–505 (Fre)
[The phenomenon of urbanization in tropical countries] Amat-Roze JM. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):217–22 (Fre)
[Improving living conditions in an urban tropical milieu] Baylet R, et al. **Bull Soc Pathol Exot Filiales** 1983 May-Jun; 76(3):285–92 (Fre)
[Malaria and urbanization] Bruce-Chwatt LJ. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):243–9 (16 ref.) (Fre)
[Parasitic intestinal diseases in a tropical urban milieu] Eyckmans L. **Bull Soc Pathol Exot Filiales** 1983 May-Jun; 76(3):263–8 (18 ref.) (Fre)
[Urbanism and public health in the tropics] Gentilini M, et al. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):276–84 (Fre)
[Urbanization and directly transmitted viral infections] Rey M. **Bull Soc Pathol Exot Filiales** 1983 May-Jun; 76(3):256–62 (19 ref.) (Fre)
[Sexually transmitted diseases in a tropical urban milieu] Riou JY. **Bull Soc Pathol Exot Filiales** 1983 May-Jun; 76(3):269–75 (Fre)
[Diseases transmitted by mosquitoes and urbanization. Examples of urban vectors of dengue and filariasis] Rodhain F. **Bull Soc Pathol Exot Filiales** 1983 May-Jun; 76(3):250–5 (Eng. Abstr.) (Fre)
[Tuberculosis and urbanization] Sankalé M. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):223–30 (30 ref.) (Fre)
[Diseases arising from contact with animals in an urban tropical milieu] Voelckel J. **Bull Soc Pathol Exot Filiales** 1983 May-Jun;76(3):293–9 (Fre)
[Urbanization in tropical countries] Amat-Roze JM. **Med Trop (Mars)** 1983 Jul-Aug;43(4):379–84 (Eng. Abstr.) (Fre)
[Taenia saginata, a historical, ecological and epidemiological study] Engelbrecht H. **Angew Parasitol** 1984 Mar; 25(1):17–26 (Eng. Abstr.) (Ger)
[Correlations between urbanization and tuberculous endemia] Năstase M, et al. **Rev Ig [Pneumoftiziol]** 1983 Jan-Mar; 32(1):13–20 (Eng. Abstr.) (Rum)
[Trombiculiasis—a serious problem of urbanized areas] Daniel M. **Med Parazitol (Mosk)** 1983 Sep-Oct;(5):52–7 (Eng. Abstr.) (Rus)

UREA

see related
BLOOD UREA NITROGEN

A comparison of the fragmentation of different species of mammalian immunoglobulin M by trypsin in urea. Beale D, et al. **Comp Biochem Physiol [B]** 1983;76(2):385–91
Dissociation of ribulose-1,5-bisphosphate carboxylase/oxygenase from spinach by urea. Voordouw G, et al. **Eur J Biochem** 1984 Jun 1;141(2):313–8
A catalytic role of low concentration of urea in DNA-polycation interactions. Mulimani VH, et al. **Indian J Biochem Biophys** 1983 Oct;20(5):263–6
On the structure of alpha m-crystallin. The reversibility of urea dissociation. Thomson JA, et al. **J Biol Chem** 1984 Apr 10;259(7):4339–45
Influence of urea on the high-performance cation-exchange chromatography of hen egg white lysozyme. Parente ES, et al. **J Chromatogr** 1984 Apr 24;288(2):389–98
Midtrimester abortion. Intra-amniotic instillation of hyperosmolar urea and prostaglandin F2 alpha v dilatation and evacuation. Kafrissen ME, et al. **JAMA** 1984 Feb 17; 251(7):916–9
Studies on the physical state of water in living cells and model systems. V. The warming exothermic reaction of frozen aqueous solution of polyvinylpyrrolidone, poly(ethylene oxide), and urea-denatured proteins. Zhang ZL, et al. **Physiol Chem Phys** 1983;15(5):407–15

ADMINISTRATION & DOSAGE

The association of maize silage with urea: the effect on the ammonia content of the rumen fluid, the N flow in the duodenum, the nitrogen and energy balances and the milk production. Teller E, et al. **Arch Tierernahr** 1984 Mar; 34(3):227–35
Renal and biochemical changes produced in broilers by high-protein, high-calcium, urea-containing, and vitamin-A-deficient diets. Chandra M, et al. **Avian Dis** 1984 Jan-Mar;28(1):1–11
Treatment of onychomycosis by ODT therapy with 20% urea ointment and 2% tolnaftate ointment. Ishii M, et al. **Dermatologica** 1983;167(5):273–9
Eradication of the problem plantar keratoma. Woolf WH. **J Am Podiatry Assoc** 1984 Apr;74(4):163–7
Influence of pretransit zeranol implant and receiving diet protein and urea levels on performance of yearling steers. Cole NA, et al. **J Anim Sci** 1984 Mar;58(3):527–34
Relation of feedlot performance and certain physiological responses to the metabolizable protein and urea content of cattle diets. Thomas EE, et al. **J Anim Sci** 1984 May;

58(5):1285–91
Serial multiple laminaria and adjunctive urea in late outpatient dilatation and evacuation abortion. Hern WM. **Obstet Gynecol** 1984 Apr;63(4):543–9
[Release of urea from O/W- AND W/O-emulsion ointments] Horsch W, et al. **Pharmazie** 1984 Apr;39(4):281 **(Ger)**

ADVERSE EFFECTS

Urea formaldehyde foam insulation: an update [letter] Harrison JR, et al. **Can Med Assoc J** 1984 Feb 15; 130(4):351, 356
Health risks in homes insulated with urea formaldehyde foam. Hoey JR, et al. **Can Med Assoc J** 1984 Jan 15;130(2):115–7
Contact urticaria and dermatitis to Alphaderm. Boyle J, et al. **Contact Dermatitis** 1984 Mar;10(3):178
Hematological changes in nephritis in poultry induced by diets high in protein, high in calcium, containing urea, or deficient in vitamin A. Chandra M, et al. **Poult Sci** 1984 Apr;63(4):710–6
Weight loss associated with urea–molasses mixture [letter] Ferens PR. **Vet Rec** 1984 Feb 18;114(7):175

ANALOGS & DERIVATIVES

Anti-ulcer activity and other pharmacological properties of lozilurea. Bruseghini L, et al. **Arzneimittelforsch** 1983; 33(12):1655–62
The use of ultrasound and an EDTA–urea peroxide compound in the cleansing of root canals. An SEM study. Cameron JA. **Aust Dent J** 1984 Apr;29(2):80–5
The C-terminal extrahelical peptide of type I collagen and its role in fibrillogenesis in vitro: effects of ethylurea. Capaldi MJ, et al. **Biopolymers** 1984 Feb;23(2):313–23
Pharmacokinetic study on the polymorphs of (alpha–bromoisovaleryl)urea in the rat. Kiwada H, et al. **Chem Pharm Bull (Tokyo)** 1983 Apr;31(4):1345–9
Iodination of thyroliberin by use of Iodogen. Butler SR, et al. **Clin Chem** 1984 Apr;30(4):547–8
Phenacemide interference with Jaffé-type determination of creatinine in three automated-analysis systems [letter] Kroll MH, et al. **Clin Chem** 1984 Apr;30(4):586–7
Isomerisation and urinary excretion of proxibarbal and valofan in man; a preliminary study. Wittekind HH, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr–Jun; 9(2):117–22
Nithiazide. **IARC Monogr Eval Carcinog Risk Chem Hum** 1983 Jul;31:179–83
Synthesis of potential antifilarial agents. 1-(5-Benzoylbenzimidazol-2-yl)-3-alkyl- and -arylureas. Ram S, et al. **J Med Chem** 1984 Jul;27(7):914–7
alpha-Bungarotoxin aggregates on radioiodination with chloramine-T but not with iodogen. Jailkhani BL, et al. **J Neuroimmunol** 1984 Aug;6(5):337–45
Monoamine oxidase inhibition by the tremorogenic drug—LON 954. Mitra C, et al. **J Pharm Pharmacol** 1984 Jun;36(6):408–10
N-carbamoyl-2-(2,6-dichlorophenyl) acetamidine hydrochloride (LON-954), a tremorogen, on rat diaphragm. Vedasiromoni JR, et al. **Jpn J Pharmacol** 1984 Mar;34(3):353–5
Teratogenic effect of extended administration of N-nitrosoethylurea and ethylurea/nitrite in rats. Dreosti IE, et al. **Res Commun Chem Pathol Pharmacol** 1983 Aug; 41(2):265–81
Acute toxicity studies with quinuronium sulfate in laboratory animals and sheep. Mitema ES, et al. **Toxicol Lett** 1984 Jan;20(1):69–74
Drug-induced thrombocytopenia. An immunological phenomenon. Ackroyd JF. **Vox Sang** 1983;45(3):257–9
Identification of N1-glycolylbiuret in the gamma radiolysis of aerated aqueous solution of cytosine. Influence of the pH. Polverelli M, et al. **Z Naturforsch [C]** 1984 Jan–Feb; 39(1–2):64–7
[Experimental observation of urea derivatives for their disinfection effect on larva of mosquitoes] Wang MX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec; 4(6):354–8 (Eng. Abstr.) **(Chi)**
[Evaluation of the analgesic activity of a soluble precursor of aspirin in orthopedic surgery] Letenneur J. **Sem Hop Paris** 1984 Apr 5;60(15):1089–91 (Eng. Abstr.) **(Fre)**
[The use of carbamide peroxide in the benzidine reaction] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1983 Jul; 23(3):210–3 (Eng. Abstr.) **(Hun)**
[Biopharmaceutical studies of drugs (6). Effect of 2-bromo-isovalerylurea on serum concentrations of O-ethoxybenzamide and N-(beta-hydroxybutyryl)-p-phenetidine in rabbits] Kigasawa K, et al. **Yakugaku Zasshi** 1983 May; 103(5):559–65 (Eng. Abstr.) **(Jpn)**
[Biopharmaceutical studies of drugs (7). Inhibitory effect of urea derivatives on de-ethylation of O-ethoxybenzamide and N-(beta-hydroxybutyryl)-p-phenetidine] Kigasawa K, et al. **Yakugaku Zasshi** 1983 May;103(5):566–72 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Urea in bulk milk as compared to the herd mean of urea in blood. Refsdal AO. **Acta Vet Scand** 1983;24(4):518–20
Human milk nonprotein nitrogen components: changing patterns of free amino acids and urea in the course of early lactation. Harzer G, et al. **Am J Clin Nutr** 1984 Aug; 40(2):303–9
Comparison of three methods for the determination of urea in compound feed and silage. O'Keeffe M, et al. **Analyst** 1983 Nov;108(1292):1374–9
Biochemical analysis of human seminal plasma. II. Protein, non-protein nitrogen, urea, uric acid and creatine. Srivastava A, et al. **Andrologia** 1984 May–Jun;16(3):265–8
Endogenous urea as a nitrogen source for microorganisms of the rabbit digestive tract. Viallard V. **Ann Nutr Metab** 1984;28(3):151–5
Salivary urea nitrogen as an index to renal function: a test-strip method. Akai T, et al. **Clin Chem** 1983 Oct; 29(10):1825–7
The polymorphism of the vitamin D-binding protein (Gc); isoelectric focusing in 3 M urea as additional method for identification of genetic variants. Constans J, et al. **Hum Genet** 1983;65(2):176–80
The enzymatic determination of urea using the Greiner G 300. Weber JA. **J Clin Chem Clin Biochem** 1984 Feb; 22(2):195–7
Development of a radial gel diffusion technique for the identification of urea in urine stains. Bedrosian JL, et al. **J Forensic Sci** 1984 Apr;29(2):601–6
[Urea (H-N) concentrations in serum and urine including determination variants] Pöge AW, et al. **Z Gesamte Inn Med** 1983 Jul 15;38(14):371–4 (Eng. Abstr.) **(Ger)**
[Urea Diacetylmonoxime reaction. A simplified method] Vasiliu F, et al. **Rev Ig [Bacteriol]** 1983 Jan–Mar; 28(1):65–7 **(Rum)**
[The usefulness of determining urea levels and the acidity of milk for evaluating protein nutrition in cows] Gajdošík D, et al. **Vet Med (Praha)** 1984 Jun;29(6):329–36 (Eng. Abstr.) **(Slo)**

BIOSYNTHESIS

Measurement of urea kinetics in humans: a validation of stable isotope tracer methods. Matthews DE, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E519–27
Effects of L-carnitine on urea synthesis following acute ammonia intoxication in mice. Costell M, et al. **Biochem Biophys Res Commun** 1984 May 16;120(3):726–33
Inhibition of urea synthesis by pent-4-enoic acid: potentiation by ammonia. Coude FX, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):47–52
Inhibition of ureagenesis by valproate in rat hepatocytes. Role of N-acetylglutamate and acetyl-CoA. Coude FX, et al. **Biochem J** 1983 Oct 15;216(1):233–6
Is N-acetylglutamate a short-term regulator of urea synthesis? Lund P, et al. **Biochem J** 1984 Mar 15; 218(3):991–4
Effect of developmental stage on arginase and urea production in the liver of rat. Paik WK, et al. **Biochem Med** 1984 Jun;31(3):352–61
Role of N-acetylglutamate and acetyl-CoA in the inhibition of ureagenesis by isovaleric acid in isolated rat hepatocytes. Coude FX, et al. **Biochim Biophys Acta** 1983 Nov 22; 761(1):13–6
Hepatocyte heterogeneity in ammonia metabolism: impairment of glutamine synthesis in CCl4 induced liver cell necrosis with no effect on urea synthesis. Häussinger D, et al. **Chem Biol Interact** 1984 Feb;48(2):191–4
Potentiation by piridoxilate of the synthesis of hippurate from benzoate in isolated rat hepatocytes. An approach to the determination of new pathways of nitrogen excretion in inborn errors of urea synthesis. Coude FX, et al. **Clin Chim Acta** 1984 Jan 31;136(2-3):211–7
Urea formation in rat, bovine, and human lens. Jernigan HM Jr. **Exp Eye Res** 1983 Dec;37(6):551–8
Adrenergic regulation of ureogenesis in hepatocytes from adrenalectomized rats. Possible involvement of two pathways of signal transduction in alpha 1-adrenergic action. Hernández-Sotomayor SM, et al. **FEBS Lett** 1984 Jan 30;166(2):385–8
Regulation of the rate of urea synthesis in liver by extracellular pH. A major factor in pH homeostasis in mammals. Bean ES, et al. **J Biol Chem** 1984 Feb 10; 259(3):1552–9
Dependence of gluconeogenesis, urea synthesis, and energy metabolism of hepatocytes on intracellular pH. Kashiwagura T, et al. **J Biol Chem** 1984 Jan 10; 259(1):237–43
Oxygen dependence of cellular metabolism: the effect of O2 tension on gluconeogenesis and urea synthesis in isolated rat hepatocytes. Kashiwagura T, et al. **J Cell Physiol** 1984 Jul;120(1):13–8
Species comparison of the influence of ammonia on orotic acid and urea biosynthesis in liver. Fico ME, et al. **J Nutr** 1984 Mar;114(3):613–21
Effect of elemental diet on albumin and urea synthesis: comparison with partially hydrolyzed protein diet. Meguid MM, et al. **J Surg Res** 1984 Jul;37(1):16–24
Treatment of episodic hyperammonemia in children with inborn errors of urea synthesis. Brusilow SW, et al. **N Engl J Med** 1984 Jun 21;310(25):1630–4
Neurologic outcome in children with inborn errors of urea synthesis. Outcome of urea-cycle enzymopathies. Msall M, et al. **N Engl J Med** 1984 Jun 7;310(23):1500–5
Effect of propionic acid on urea synthesis by sheep liver. Rattenbury JM, et al. **Res Vet Sci** 1983 Jul;35(1):61–3

BLOOD

Transport of water and urea in red blood cells. Macey RI. **Am J Physiol** 1984 Mar;246(3 Pt 1):C195–203 (62 ref.)
Determination of serum urea by isotope dilution mass spectrometry as a candidate definitive method. Welch MJ, et al. **Anal Chem** 1984 Apr;56(4):713–9
Determination of urea in whole blood using a urea electrode with an immobilised urease membrane. Yasuda K, et al. **Analyst** 1984 Jan;109(1):61–4
Evaluation of a reflectance photometric method for determination of urea in blood, plasma, or serum [letter] Hammond BR, et al. **Clin Chem** 1984 Apr;30(4):596–7
Urea, creatinine, and glucose determined in plasma and whole blood by a differential pH technique. Ripamonti M, et al. **Clin Chem** 1984 Apr;30(4):556–9
Renal control of plasma urea level in sheep: the diuretic effect of urea, potassium and sodium chloride. Godwin IR, et al. **Q J Exp Physiol** 1984 Jan;69(1):49–59
[Hypo-azotemia in comas caused by voluntary drug poisoning (letter)] Fadel N, et al. **Presse Med** 1983 Oct 1;12(34):2116 **(Fre)**
[Review of the methods of determination of blood urea with continuous-flow analyzers and a proposal of a completely enzymatic UV method for urea by a continuous-flow analyzer] Sambenedetto A, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):440–6 (Eng. Abstr.) **(Ita)**
[Interference of hemolysis in plasma urea determination. A comparison of 2 methods: classical Berthelot urease and the modified Berthelot urease] Zepponi E, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):55–61 (Eng. Abstr.) **(Ita)**
[Serum creatinine and serum urea in early infancy] Monn E. **Tidsskr Nor Laegeforen** 1984 Jun 10;104(16):1134–5 (Eng. Abstr.) **(Nor)**
[Effect of gastrointestinal dialysis on the level of nitrogenous residues in the blood] Briker VA, et al. **Klin Med (Mosk)** 1983 Nov;61(11):126–33 (Eng. Abstr.) **(Rus)**
[Changes in the urea content of blood in hypokinesia] Balakhovskiĭ IS, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):45–8 (Eng. Abstr.) **(Rus)**
[Kinetic method of determining urea concentration in biological media] Kantardzhian IG, et al. **Lab Delo** 1984; (1):21–5 (Eng. Abstr.) **(Rus)**
[Modified rapid method for determining the concentration of urea in serum using dimethylglyoxime] Tipun VM. **Lab Delo** 1983;(8):61 **(Rus)**

DIAGNOSTIC USE

Estimation of empty body water in steers by urea dilution. Hammond AC, et al. **Growth** 1984 Spring;48(1):29–34

METABOLISM

Effect of microbiological hydrolysis of urea on the nitrification process. Krogulska B, et al. **Acta Microbiol Pol** 1983;32(4):373–80
High uric acid and urea clearance in cirrhosis secondary to increased 'effective vascular volume' [letter] Matz R. **Am J Med** 1983 Oct;75(4):A59, A96
Urea transport in isolated thick ascending limbs and collecting ducts from rats. Knepper MA. **Am J Physiol** 1983 Nov;245(5 Pt 1):F634–9
Detection of urea cycle enzymopathies in childhood. Trauner DA, et al. **Arch Neurol** 1984 Jul;41(7):758–60
Quantitative assessment of urea, glucose and ammonia changes in human dental plaque and saliva following rinsing with urea and glucose. Singer DL, et al. **Arch Oral Biol** 1983;28(10):923–9
Factors affecting the capture of dietary nitrogen by micro-organisms in the forestomachs of the young steer. Experiments with [15N]urea. Salter DN, et al. **Br J Nutr** 1983 Sep;50(2):427–35
Metabolic relationship between urea and guanidino compounds as studied by automated fluorimetry of guanidino compounds in urine. Natelson S. **Clin Chem** 1984 Feb;30(2):252–8
Effect of nitrogen intake on urea appearance in patients receiving total parenteral nutrition and hemodialysis. Mirtallo JM, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug; 18(7–8):612–6
Age-related changes in amino acid pool sizes in the adult silkmoth, Bombyx mori, reared at low and high temperature; a biochemical examination of the rate-of-living theory and urea accumulation when reared at high temperature. Osanai M, et al. **Exp Gerontol** 1984; 19(1):37–51
Effect of protein level and supplemental lysine on growth and urea cycle enzyme activity in the pig. Rosebrough RW, et al. **Growth** 1983 Winter;47(4):348–60
Effect of hyperosmolar peritoneal dialysis fluid on the elimination of small- and medium-molecular substances. Karátson A, et al. **Int Urol Nephrol** 1983;15(2):187–94
Isotopic determination of amino acid-urea interactions in exercise in humans. Wolfe RR, et al. **J Appl Physiol** 1984 Jan;56(1):221–9
Effect of lung injuries on [14C]urea permeability-surface area product in dogs. Zelter M, et al. **J Appl Physiol** 1984 Jun; 56(6):1512–20
The ureolytic microflora of immature dental plaque before and after rinsing with a urea-based mineralizing solution. Gallagher IH, et al. **J Dent Res** 1984 Aug;63(8):1037–9

A possible role of the kidney and urinary bladder in urea conservation of Bufo viridis under high salt acclimation. Katz U, et al. **J Exp Biol** 1984 Mar;109:373–7

Urea excretion, galactose elimination, and aminopyrine disappearance during normal liver regeneration after partial hepatectomy. Comparison with other function tests reported. Zieve L, et al. **J Lab Clin Med** 1984 Jul; 104(1):24–34

Urea cycle function in the dog with emphasis on the role of arginine. Czarnecki GL, et al. **J Nutr** 1984 Mar; 114(3):581–90

The change of disposition kinetics for creatinine and urea accompanied by growth in mice. Hirate J, et al. **J Pharmacobiodyn** 1983 May;6(5):315–22

Salivary excretion of urea in dogs. Watanabe J, et al. **J Pharmacobiodyn** 1984 May;7(5):294–303

Urea distribution kinetics analyzed by simultaneous injection of urea and inulin: demonstration that transcapillary exchange is rate limiting. Bowsher DJ, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):269–74

Regulation of expression of genes for enzymes of the mammalian urea cycle in permanent cell–culture lines of hepatic and non–hepatic origin. Haggerty DF, et al. **Mol Cell Biochem** 1983;53–54(1–2):57–76

Utilization of endogenous urea secreted into the gastrointestinal tract of the sheep. Feješ J, et al. **Physiol Bohemoslov** 1983;32(4):374–81

Urea and ammonia metabolism in the human large intestine. Wrong OM, et al. **Proc Nutr Soc** 1984 Jan;43(1):77–86

Renal clearance of endogenous creatinine and urea in sheep during summer and winter. Nawaz M, et al. **Res Vet Sci** 1984 Mar;36(2):220–4

Effect of alloxan–diabetic rat fed with different diets on ureogenesis in isolated perfused liver. Cho MY, et al. **Yonsei Med J** 1982;23(2):159–66

[Urea kinetics model of patients on programmed hemodialysis] Simeonov P, et al. **Vutr Boles** 1984;23(1):40–6 (Eng. Abstr.) **(Bul)**

[Quantitative evaluation of dialysis treatment. The priority of urea kinetic modelling] Simeonov P. **Vutr Boles** 1984; 23(2):7–12 (56 ref.) **(Bul)**

[Absorption and use of amino acids infused into the cecum of growing pigs. 4. Comparative studies on ora' or cecal administration of 15N–lysine and 15N–urea, respectively] Krawielitzki K, et al. **Arch Tierernahr** 1984 Jan;34(1):1–18 (Eng. Abstr.) **(Ger)**

[Effect of the content of crude plant protein in the ration on the utilization of urea in dairy cattle. 2. 15N–urea metabolism] Voigt J, et al. **Arch Tierernahr** 1984 May–Jun; 34(5–6):387–95 (Eng. Abstr.) **(Ger)**

[Pulmonary hemorrhages in newborn infants with inborn errors of the 1st 2 phases of the urea cycle] Plöchl E, et al. **Monatsschr Kinderheilkd** 1983 Oct;131(10):714–5 (Eng. Abstr.) **(Ger)**

[Clearance of urea, creatinine, beta 2 microglobulin and the loss of proteins in treatment with continuous ambulatory peritoneal dialysis] Kozjak D, et al. **Lijec Vjesn** 1982 Nov–Dec;104(11–12):532–5 (Eng. Abstr.) **(Scr)**

[The effect of zeolite (clinoptilolite) on the post–feeding dynamics of N metabolism in the portal vein, jugular vein and the rumen fluid of bulls] Jacobi U, et al. **Vet Med (Praha)** 1984 Apr;29(4):207–16 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

The effect of urea on the expression of the cysteine regulon. Bielińska A, et al. **Acta Biochim Pol** 1984;31(1):77–82

The influence of urea on the penetration kinetics of topically applied corticosteroids. Wohlrab W. **Acta Derm Venereol (Stockh)** 1984;64(3):233–8

Effect of urea and uric acid on influenza virus type C. Brief report. Prasad AK, et al. **Arch Virol** 1984;81(3–4):313–9

Light–scattering investigation of the subunit structure and dissociation of Helix pomatia hemocyanin. Effects of salts and ureas. Herskovits TT, et al. **Biochemistry** 1984 Jun 5; 23(12):2812–9

Hen egg white lysozyme: carbon–13 nuclear magnetic resonance assignments and dependence of conformational flexibility on inhibitor binding and temperature. Howarth OW, et al. **Biochemistry** 1984 Jul 17;23(15):3522–6

Comparison of the rates of inactivation and conformational changes of creatine kinase during urea denaturation. Yao QZ, et al. **Biochemistry** 1984 Jun 5;23(12):2740–4

Interaction of urea and human enamel. Arends J, et al. **Caries Res** 1984;18(1):17–24

The effects of glycerol and urea on the ultrastructure and contractility of fast and slow rat skeletal muscles. Krolenko SA, et al. **Gen Physiol Biophys** 1983 Oct;2(5):409–24

A kinetic approach to the evaluation of alkaline phosphatase inactivation by urea. Miggiano GA, et al. **Ital J Biochem** 1983 Jul–Aug;32(4):223–30

The effect of enamel de– and remineralization on permeability to iodide and urea. Amdur BH, et al. **J Dent Res** 1983 Oct;62(10):1067–8

TMAO (trimethylamine oxide)–independence of oxygen affinity and its urea and ATP sensitivities in an elasmobranch hemoglobin. Weber RE. **J Exp Zool** 1983 Dec;228(3):551–4

Lysis of Vibrio cholerae cells: direct isolation of the outer membrane from whole cells by treatment with urea. Lohia A, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2027–33

Effect of urea on the activity of certain ophthalmic drugs in man. El–Nimr AE, et al. **Pharmazie** 1983 Nov; 38(11):728–30

Studies on the physical state of water in living cells and model systems. IV. Freezing and thawing point depression of water by gelatin, oxygen–containing polymers and urea–denatured proteins. Ling GN, et al. **Physiol Chem Phys** 1983;15(5):391–406

The effect of urea on red cell deformability during cardiopulmonary bypass. Yamaguchi H, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):119–22

[The effect of urea in a topical corticoid preparation on vasoconstriction] Früh H. **Z Hautkr** 1983 Aug 15; 58(16):1203–5 (Eng. Abstr.) **(Ger)**

[Effect of protein denaturing reactions on retardation of the activity of rat liver mitochondrial monoamine oxidase by clorgyline and deprenyl] Severina IS. **Biokhimiia** 1983 Sep; 48(9):1513–21 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of the depolymerization process on unstabilized fibrin as affected by urea or monochloracetic acid] Ul'ianov AM, et al. **Biol Nauki** 1983; (8):59–63 (Eng. Abstr.) **(Rus)**

POISONING

Health risks of urea formaldehyde foam insulation [letter] Morgan WK. **Can Med Assoc J** 1984 Jun 15;130(12):1529

SECRETION

Urea secretion into the colon of sheep and goat. von Engelhardt W, et al. **Q J Exp Physiol** 1984 Jul;69(3):469–75

THERAPEUTIC USE

Osmotic agents and intracranial pressure [letter] Clasen RA. **J Neurosurg** 1984 May;60(5):1114–5

Comparison of the effects of hypertonic glycerol and urea on brain edema, energy metabolism and blood flow following cerebral microembolism in the rat. Deleterious effect of glycerol treatment. Bralet J, et al. **Stroke** 1983 Jul–Aug;14(4):597–604

[Urea treatment of Ménière's disease and other labyrinth disorders] Hennebert PE. **Acta Otorhinolaryngol Belg** 1984; 38(1):42–50 (Eng. Abstr.) **(Fre)**

[3–phase therapy. A contribution to the treatment of neurodermatitis atopica (endogenous eczema)] Landes E, et al. **Z Hautkr** 1984 Feb 1;59(3):157–9 (Eng. Abstr.) **(Ger)**

[Double–blind comparison between hydrocortisone plus urea and hydrocortisone–17–butyrate for topical use in erythematous desquamative skin diseases] Graifemberghi S, et al. **G Ital Dermatol Venereol** 1982 Jan–Feb; 117(1):XI–XIV (Eng. Abstr.) **(Ita)**

[Iron–containing proteins and the proteolytic activity in the blood serum in hyperbaric oxygenation and the protective action of urea] Krichevskaia AA, et al. **Biol Nauki** 1983; (9):30–5 (Eng. Abstr.) **(Rus)**

[Urea as an antimicrobial and dehydration agent for the local treatment of suppurative surgical infection] Tiukina AA, et al. **Vestn Khir** 1984 Jul;132(7):57–9 (Eng. Abstr.) **(Rus)**

TOXICITY

The influence of urea and cell–surface protein on the behavior of nontumorigenic and chemically transformed cells. Phelps AW, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):783–97

Cytokinetic and cytotoxic effects of urea on HeLa cells in suspension cultures. Glinos AD, et al. **JNCI** 1983 Dec; 71(6):1211–9

URINE

Changes in electrolytes, urea and creatinine excretion during dry and wet seasons. Taylor GO, et al. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):133–7

Influence of exercise on urea, creatinine, and 3–methylhistidine excretion in normal human subjects. Calles–Escandon J, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):E334–8

Estimation of urinary nitrogen losses from urea excretion in patients with intestinal diseases requiring parenteral nutrition, and in those with hepatic decompensation. Calvey HD, et al. **Clin Chim Acta** 1983 Oct 14; 133(3):289–93

Accuracy of two–hour urine urea nitrogen determinations in critically ill patients. Quandt CM, et al. **Clin Pharm** 1984 Jul–Aug;3(4):408–11

Mechanism of urea excretion after protein loading. Balakhovskii IS, et al. **Hum Physiol** 1983 May–Jun; 9(3):200–4

UREAPLASMA

Experimental production of bladder calculi in rats by ureaplasma injection. Clerc M, et al. **Ann Microbiol (Paris)** 1984 Jan–Feb;135A(1):135–40

Transmission of Ureaplasma urealyticum by artificial insemination by donor. Barwin BN. **Fertil Steril** 1984 Feb; 41(2):326–7

[Experimental orchitis in white rats, caused by Ureaplasma urealyticum] Malewa E, et al. **Zentralbl Allg Pathol** 1983; 128(5–6):391–7 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Ureaplasma serotypes associated with the bovine urogenital tract. Truscott RB. **Can J Comp Med** 1983 Oct;47(4):471–3

Comparison of ureaplasmas from sheep and goats with Ureaplasma diversum and U. urealyticum. Howard CJ, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3197–202

DRUG EFFECTS

In vitro activity of clindamycin against strains of Chlamydia trachomatis, Mycoplasma hominis, and Ureaplasma urealyticum isolated from pregnant women. Harrison HR, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):477–80

Factors associated with the determination of antibiotic activity in bovine semen. Truscott RB. **Can J Comp Med** 1983 Oct;47(4):480–3

In vitro activity of norfloxacin against Mycoplasma hominis and Ureaplasma urealyticum [letter] Simon C, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):479–80

Effects of manganese on the growth and morphology of Ureaplasma urealyticum. Robertson JA, et al. **J Clin Microbiol** 1984 Jun;19(6):857–64

Minocycline resistance among clinical isolates of Ureaplasma urealyticum. Magalhães M, et al. **J Infect Dis** 1984 Jan; 149(1):117

Persistent nongonococcal urethritis associated with a minocycline–resistant strain of Ureaplasma urealyticum: a case report. Magalhães M. **Sex Transm Dis** 1983 Jul–Sep; 10(3):151–2

A comparison of the effect of tiamulin hydrogen fumarate and tylosin tartrate on mycoplasmas of ruminants and some animal ureaplasmas. Stipkovits L, et al. **Vet Microbiol** 1984 Apr;9(2):147–53

Inhibition of the growth of Ureaplasma urealyticum by a new urease inhibitor, flurofamide. Kenny GE. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):717–22

ENZYMOLOGY

Immunoglobulin A1 protease activity in strains of Ureaplasma urealyticum. Kilian M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Feb; 92(1):61–4

Immunoglobulin A protease activity of Ureaplasma urealyticum. Robertson JA, et al. **J Clin Microbiol** 1984 Feb;19(2):255–8

Ureaplasma urealyticum–induced crystallization of magnesium ammonium phosphate and calcium phosphates in synthetic urine. Grenabo L, et al. **J Urol** 1984 Oct; 132(4):795–9

On the distribution and characteristics of isozyme expression in Mycoplasma, Acholeplasma, and Ureaplasma species. O'Brien SJ, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):701–8

GENETICS

Survey of plasmids in various mycoplasmas. Harasawa R, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):783–8

[Demonstration of a tetracycline–resistance factor in a genital Mycoplasma strain. Clinical and molecular biology aspects of Ureaplasma coinfected penicillin and tetracycline–resistant gonorrhea] Jahn G, et al. **Fortschr Med** 1983 Dec 8;101(46):2129–32 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Enzyme–linked immunosorbent assay for detection of specific antibodies to Ureaplasma urealyticum serotypes. Wiley CA, et al. **J Clin Microbiol** 1984 Mar;19(3):421–6

Serological evidence of Ureaplasma urealyticum infection in neonatal respiratory disease. Quinn PA, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):565–72

ISOLATION & PURIFICATION

The occurrence of genital mycoplasmas in babies with and without respiratory distress. Taylor–Robinson D, et al. **Acta Paediatr Scand** 1984 May;73(3):383–6

Isolation and serological typing of ureaplasma in human saliva. Watanabe T, et al. **Arch Oral Biol** 1983;28(6):545–8

The effect of Ureaplasma urealyticum on semen characteristics. Upadhyaya M, et al. **Fertil Steril** 1984 Feb; 41(2):304–8

Evaluation of PPLO, A7B, E, and NYC agar media for the isolation of Ureaplasma urealyticum and Mycoplasma species from the genital tract. Yajko DM, et al. **J Clin Microbiol** 1984 Jan;19(1):73–6

Isolation of Mycoplasma and Ureaplasma species from raccoon dogs (Nyctereutes procyonoides viverrinus). Kanamoto Y, et al. **J Gen Microbiol** 1983 Aug;129 (Pt 8):2447–50

Cervical and placental colonization by Ureaplasma urealyticum in pregnant women and fetal outcome [letter] Kass EH, et al. **J Infect Dis** 1984 Feb;149(2):289–90

Differential counts of Ureaplasma urealyticum in male urologic patients [letter] Meseguer MA, et al. **J Infect Dis** 1984 Apr;149(4):657–8

Bacteriuria due to Ureaplasma urealyticum and Gardnerella vaginalis in women with preeclampsia. Savige JA, et al. **J Infect Dis** 1983 Sep;148(3):605

Isolation of Ureaplasma urealyticum from healthy young persons in Korea. Chang MW. **Microbiol Immunol** 1984; 28(1):113–6

Association of Ureaplasma urealyticum in the placenta with perinatal morbidity and mortality. Kundsin RB, et al. **N Engl J Med** 1984 Apr 12;310(15):941–5

Selective medium for isolation of ureaplasmas from animals. Koshimizu K, et al. **Nippon Juigaku Zasshi** 1983 Apr; 45(2):263–8

Isolation of Mycoplasma hominis and Ureaplasma urealyticum from amniotic fluid at 16–20 weeks of gestation: potential effect on outcome of pregnancy. Cassell GH, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):294–302

Nongonococcal urethritis. Bowie WR. **Urol Clin North Am** 1984 Feb;11(1):55–64 (27 ref.)

Quantitative studies on the role of Ureaplasma urealyticum in non-gonococcal urethritis and chronic prostatitis. Brunner H, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):545–50

Incidence of genital mycoplasmas in women at the time of diagnostic laparoscopy. Cassell GH, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):557–63

Mycoplasmal PID: a review of natural and experimental infections. Mårdh PA. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):529–36 (50 ref.)

Role of mycoplasmas in chronic prostatitis. Peeters MF, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):551–6

The role of mycoplasmas in non-gonococcal urethritis: a review. Taylor-Robinson D. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):537–43 (34 ref.)

[Demonstration of mycoplasmas and ureaplasmas in the bovine genital tract] Wittkowski G, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1;97(6):189–90, 193–7 (Eng. Abstr.) **(Ger)**

[Epididymitis. Studies on its etiology and pathogenesis with special reference to Chlamydia trachomatis and Ureaplasma urealyticum] Becker HC, et al. **Dtsch Med Wochenschr** 1984 Apr 13;109(15):569–75 (Eng. Abstr.) **(Ger)**

[Incidence of Chlamydia trachomatis, Ureaplasma urealyticum, Mycoplasma species, Streptococci of the Lancefield group B and Candida species in newborn infants during the first week of life] Martius J, et al. **Z Geburtshife Perinatol** 1983 Sep–Oct;187(5):235–8 (Eng. Abstr.) **(Ger)**

[Culture diagnosis of Ureaplasma urealyticum in inflammatory diseases of the urogenital tract] Delektorskii VV, et al. **Vestn Dermatol Venerol** 1984 May;(5):24–8 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Role of genital mycoplasmas in nongonococcal urethritis and prostatitis. Oriel JD. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):263–70

Etiologic role of Mycoplasma hominis and Ureaplasma urealyticum in women with the acute urethral syndrome. Stamm WE, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):318–22

Pathogenicity of ovine ureaplasmas for the bovine mammary gland. Mackie DP, et al. **Vet Rec** 1984 Mar 17; 114(11):271–2

Ovine ureaplasmas and bovine mastitis [letter] Rae AG. **Vet Rec** 1984 May 5;114(18):459

[Recognition of virulence markers in Ureaplasma] Bollmann R, et al. **Z Urol Nephrol** 1983 Jul;76(7):481–4 **(Ger)**

ULTRASTRUCTURE

[Ultrastructure of Ureaplasma urealyticum] Delektorskii VV, et al. **Vestn Dermatol Venerol** 1983 Aug;(8):23–5 (Eng. Abstr.) **(Rus)**

UREASE

The nickel ion environment in jack bean urease. Alagna L, et al. **Biochem J** 1984 Jun 1;220(2):591–5

[Properties of urease immobilized on silochrome by means of disulfide bonds] Liubinskii GV, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):24–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Rapid method for the simultaneous determination of bacterial urease and phenylalanine desaminase] Pavlov A, et al. **Vet Med Nauki** 1984;21(3):58–61 (Eng. Abstr.) **(Bul)**

ANTAGONISTS & INHIBITORS

Inhibitors of urease as chemotherapeutic agents. Rosenstein IJ, et al. **CRC Crit Rev Microbiol** 1984;11(1):1–12 (97 ref.)

Oral acetohydroxamic acid (LithoStat) for staghorn calculi. **Med Lett Drugs Ther** 1983 Dec 9;25(650):110–1

Inhibition of the growth of Ureaplasma urealyticum by a new urease inhibitor, flurofamide. Kenny GE. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):717–22

[Prevention of infected urinary stones by urease inhibitor. IV. Treatment of infection stones in rats by a new hydroxamic acid and cefalexin] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):297–302 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Antibiotic resistance of urease & phosphatase producing Gram negative bacilli. Rao RR, et al. **Indian J Med Res** 1983 Jun;77:798–801

[Choice and selection of a Staphylococcus saprophyticus strain—a urease producer] Iudval'kite DIu, et al. **Mikrobiologiia** 1983 Jul–Aug;52(4):579–85 (Eng. Abstr.) **(Rus)**

BLOOD

[Interference of hemolysis in plasma urea determination. A comparison of 2 methods: classical Berthelot urease and the modified Berthelot urease] Zepponi E, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):55–61 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

[Urease-antibody conjugate ELISA and its application in the diagnosis of schistosomiasis japonica—a preliminary report] Qiu LS, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(3):144–6 (Eng. Abstr.) **(Chi)**

METABOLISM

Rapid presumptive identification of the Mycobacterium tuberculosis-bovis complex by radiometric determination of heat stable urease. Gandy JH, et al. **Am J Med Technol** 1983 Dec;49(12):882–4

Modification of thiol groups of Jack bean urease with diazonium-1H-tetrazole. Sakaguchi K, et al. **J Biochem (Tokyo)** 1984 Feb;95(2):535–41

Effect of dietary nickel on growth, urease activity, blood parameters and tissue mineral concentrations in the neonatal pig. Spears JW, et al. **J Nutr** 1984 May; 114(5):845–53

Influence of monensin and lasalocid on mineral metabolism and ruminal urease activity in steers. Starnes SR, et al. **J Nutr** 1984 Mar;114(3):518–25

PHARMACODYNAMICS

Ureaplasma urealyticum-induced crystallization of magnesium ammonium phosphate and calcium phosphates in synthetic urine. Grenabo L, et al. **J Urol** 1984 Oct; 132(4):795–9

URECHOLINE see **BETHANECHOL COMPOUNDS**

UREMIA

Inhibition of salicylate binding to normal plasma by extracts of uremic fluids. Roman S, et al. **Am J Kidney Dis** 1984 Sep;4(2):153–61

Anion exchange chromatography and double-diffusion cells for the study of middle molecules. Ash SR, et al. **Kidney Int** 1983 Aug;24(2):250–5

Computer methods, uremic encephalopathy, and adequacy of dialysis. Bourne JR, et al. **Kidney Int** 1983 Oct; 24(4):496–506

BLOOD

Absence of diurnal plasma prolactin rhythm in diabetic and non-diabetic uraemic patients. Schmitz O. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):173–8

Superoxide dismutase activity and reduced glutathione content in erythrocytes of uremic patients on chronic dialysis. Vanella A, et al. **Acta Haematol (Basel)** 1983; 70(5):312–5

Impaired metabolism of deoxyadenosine in uremic erythrocytes. Wiesmann WP, et al. **Adv Exp Med Biol** 1984; 165 Pt A:359–62

Liquid chromatographic assay of ceftizoxime in sera of normal and uremic patients. McCormick EM, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):336–8

Suppression of secondary hyperparathyroidism in uraemia: acute and chronic studies. Muirhead N, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):177–9

Glycated hemoglobin in uremic patients as measured by affinity and ion-exchange chromatography. Bannon P, et al. **Clin Chem** 1984 Mar;30(3):485–6

Specific affinity-chromatographic measurement of glycated hemoglobins in uremic patients. Bruns DE, et al. **Clin Chem** 1984 Apr;30(4):569–71

Fluorescent materials in uremic fluids [letter] Lindup WE. **Clin Chem** 1983 Dec;29(12):2122–3

Theophylline concentrations may be falsely high in serum of uremic patients [letter] Nelson KM, et al. **Clin Chem** 1983 Dec;29(12):2125–6

Effects of azotemia on results of the boronate-agarose affinity and ion-exchange methods for glycated hemoglobin. Scott MG, et al. **Clin Chem** 1984 Jun;30(6):896–8

Digoxin-like immunoreactivity in the serum of neonates and uremic patients, as measured in the Abbott TDX [letter] Yatscoff RW, et al. **Clin Chem** 1984 Apr;30(4):588

Effect of parathyroid hormone and uremic sera on the autoagglutination and sedimentation of human red blood cells. Earon Y, et al. **Clin Chim Acta** 1983 Dec 30; 135(3):253–62

Total parathyroidectomy: parathyroid hormone levels and supernumerary glands in hemodialysis patients. Meakins JL, et al. **Clin Invest Med** 1984;7(1):21–5

Effects of alpha-tocopherol administration on red blood cell membrane lipid peroxidation in hemodialysis patients. Giardini O, et al. **Clin Nephrol** 1984 Mar;21(3):174–7

Evidence for the participation of granulocyte proteinases on intradialytic catabolism. Hörl WH, et al. **Clin Nephrol** 1984 Jun;21(6):314–22

Relationship between plasma levels of factor VIII related antigen and reticulo-endothelial function in chronic uremia. Milani L, et al. **Clin Nephrol** 1983 Nov;20(5):235–8

Micro-chromatographic measurement of hemoglobin A1 in uremia. Panzetta G, et al. **Clin Nephrol** 1983 Nov; 20(5):259–62

Platelet associated IgG in uremia. Thomsen S, et al. **Clin Nephrol** 1983 Sep;20(3):136–9

Enzymatic activity of renin in plasma of normal and uraemic subjects. Kotchen TA, et al. **Clin Sci** 1984 Sep;67(3):365–8

Platelet thromboxane formation and BTG levels after intensive charcoal HP in uremics or regular hemodialytic treatment (RHT). Capodicasa G, et al. **Int J Artif Organs** 1983 Jul;6(4):183–6

Black-white differences in high density lipoproteins, apolipoproteins, and triglycerides: relationships to coronary heart disease in non-uremic populations and in uremic subjects receiving hemodialysis. First MR, et al. **Int J Artif Organs** 1983 Sep;6(5):233–4

Serum aluminum levels and peritoneal dialysis. Gilli P, et al. **Int J Artif Organs** 1984 Mar;7(2):107–10

TSH response to TRH in hemodialysis and CAPD patients. Giordano C, et al. **Int J Artif Organs** 1984 Jan;7(1):7–10

Improvement of erythropoiesis in uremic patients on CAPD. Lamperi S, et al. **Int J Artif Organs** 1983 Jul;6(4):191–4

Erythrocyte Na,K pump in uremia. Acute correction of a transport defect by hemodialysis. Izumo H, et al. **J Clin Invest** 1984 Aug;74(2):581–8

Induction of insulin resistance in normal adipose tissue by uremic human serum. McCaleb ML, et al. **Kidney Int** 1984 Feb;25(2):416–21

Leukocyte metabolism and function in uremia. Briggs WA, et al. **Kidney Int [Suppl]** 1983 Dec;16:S93–6

The relationship between branched-chain amino acids and alpha-keto acids in blood in uremia. Dalton RN, et al. **Kidney Int [Suppl]** 1983 Dec;16:S61–6

Proteolytic enzymes and catabolism: enhanced release of granulocyte proteinases in uremic intoxication and during hemodialysis. Heidland A, et al. **Kidney Int [Suppl]** 1983 Dec;16:S27–36 (117 ref.)

Pathogenesis of the anemia of uremia: role of secondary hyperparathyroidism. Massry SG. **Kidney Int [Suppl]** 1983 Dec;16:S204–7 (53 ref.)

Erythropoietin and uremic toxicity during continuous ambulatory peritoneal dialysis. Wideröe TE, et al. **Kidney Int [Suppl]** 1983 Dec;16:S208–17

Glycosylation and uraemia [letter] Bruns DE, et al. **Lancet** 1984 Aug 11;2(8398):344

A pressure ultrafiltration method for serum free drug determination. Comparison with equilibrium dialysis using normal and uraemic sera. Tiula E. **Methods Find Exp Clin Pharmacol** 1984 Jan;6(1):51–5

Effect of renal transplantation on the levels of choline in the plasma of uremic humans. Acara M, et al. **Nephron** 1983;35(4):241–3

Isolation and partial characterization of platelet aggregation inhibitors in the blood of dialyzed patients. Mabuchi H, et al. **Nephron** 1983;35(2):112–5

Cortisol binding in uremic plasma. I. Absence of abnormal cortisol binding to cortisol binding to corticosteroid-binding globulin. Rosman PM, et al. **Nephron** 1984;37(3):160–5

Cortisol binding in uremic plasma. II. Decreased cortisol binding to albumin. Rosman PM, et al. **Nephron** 1984; 37(4):229–31

Uremic toxins and the elusive middle molecules. Schoots A, et al. **Nephron** 1984;38(1):1–8

Normal response to uraemic platelets to thromboxane A2 agonist [letter] Soszka J, et al. **Nephron** 1983;35(4):267–8

Red blood cell sodium transport and phosphate release in uremia [letter] Swaminathan R. **Nephron** 1984;37(2):142

DDAVP in uremia [letter] Vicente V, et al. **Nephron** 1984; 36(2):145–6

Interpretation of serum phenytoin concentrations in uremia is assay-dependent. Sirgo MA, et al. **Neurology (NY)** 1984 Sep;34(9):1250–1

Assessment of calcemic status in dialyzed uraemic patients. Cannella G, et al. **Scand J Clin Lab Invest [Suppl]** 1983; 165:105–6

The neutrophil function of uremic patients treated by hemodialysis or CAPD. Huttunen K, et al. **Scand J Urol Nephrol** 1984;18(2):167–72

Phosphate in dialysis patients. Sugisaki H, et al. **Trans Am Soc Artif Intern Organs** 1983;29:38–43

[Serum copper and manganese serum concentrations in uremia] Börner H, et al. **Z Urol Nephrol** 1983 Aug; 76(8):544–8 **(Ger)**

[Interference with the antibacterial action of cefuroxime by normal and uremic human serum. Preliminary note] Bertazzoni Minelli E, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):27–30 (Eng. Abstr.) **(Ita)**

[Studies on the factors contributing to uremic dyslipoproteinemia] Handa Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):51–61 (Eng. Abstr.) **(Jpn)**

[Effect of protein binding inhibitor on cultivated lymphocytes in uremic patients] Sanaka T, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug;25(8):1063–9 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of disorders of hemostasis in patients with chronic uremia] Myśliwiec M. **Pol Arch Med Wewn** 1983 Jun;69(6):357–61 **(Pol)**

[Activity of various lysosomal enzymes of neutrophils in the initial period of hemodialysis in patients with chronic uremia] Luciak M, et al. **Pol Tyg Lek** 1983 Jul 11–18; 38(28–29):877–80 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Reversible azotemia [letter] Hricik DE. **Arch Intern Med** 1983 Oct;143(10):2013

Lithium-induced uremia in rats – a new model of chronic renal failure. Christensen S, et al. **Pflugers Arch** 1983 Nov; 399(3):208–12

COMPLICATIONS

A potential role for exercise training in modulating coronary risk factors in uremia. Goldberg AP. **Am J Nephrol** 1984 Mar–Apr;4(2):132–3

Intranasal deamino-8-D-arginine vasopressin shortens the bleeding time in uremia. Shapiro MD, et al. **Am J Nephrol** 1984;4(4):260–1

Uremic encephalopathy: role of brain energy metabolism. Mahoney CA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):F527–32

Naloxone in the treatment of uremic pruritus: a case history [letter] Andersen LW, et al. **Clin Nephrol** 1984 Jun; 21(6):355–6

Hyperplasia of antral G cells in uraemic patients. Carlei F, et al. **Digestion** 1984;29(1):26–30

Multiple duodenal polyps in uraemia: a little known clinical entity. Paimela H, et al. **Gut** 1984 Mar;25(3):259–63

Bone disease in uremia. Coburn JW. **Henry Ford Hosp Med J** 1983;31(4):217–20

Control of uremic neuropathy by equilibrium peritoneal dialysis. Buoncristiani U, et al. **Int J Artif Organs** 1984 Mar;7(2):97–100

Complex arrhythmia analysis in uraemic haemodialysed patients. Löcsey L, et al. **Int Urol Nephrol** 1984;16(2):181–3

Experimental uremic neuropathy. Part 2. Sodium permeability decrease and inactivation in potential clamped nerve fibers. Brismar T, et al. **J Neurol Sci** 1984 Jul; 65(1):37–45

Experimental uremic neuropathy. Part 1. Decreased nerve conduction velocity in rats. Tegnèr R, et al. **J Neurol Sci** 1984 Jul;65(1):29–36

Coincidence of uremic and hypertensive encephalopathy with chronic subdural hematoma under hemodialysis. Case report. Nix WA. **J Neurosurg Sci** 1983 Oct–Dec; 27(4):257–60

Uremic bleeding [clinical conference] Deykin D. **Kidney Int** 1983 Nov;24(5):698–705

Secondary hyperparathyroidism and glucose intolerance in children with uremia. Mak RH, et al. **Kidney Int [Suppl]** 1983 Dec;16:S128–33

Improvement of uremic neuropathy and hypogeusia by dialysate zinc supplementation: a double-blind study. Sprenger KB, et al. **Kidney Int [Suppl]** 1983 Dec;16:S315–8

Uremic constrictive pericarditis: case report. Ptacin MJ. **Milit Med** 1983 Jul;148(7):603–5

X-ray microanalysis of uremic nephrocalcinosis. Goligorsky MS, et al. **Nephron** 1983;35(2):89–93

Biotin in the management of uremic neurologic disorders. Yatzidis H, et al. **Nephron** 1984;36(3):183–6

Periosteal new bone in uraemic osteodystrophy. Tamarozzi R, et al. **Skeletal Radiol** 1984;11(1):50–3

[Coronary artery bypass operation in a patient undergoing continuous peritoneal dialysis] Forsström J, et al. **Duodecim** 1984;100(3):161–3 **(Fin)**

[Spontaneous hypoglycemia in a patient with uremia and rheumatoid arthritis] Forsström J, et al. **Duodecim** 1984; 100(1):42–5 **(Fin)**

[Vaccination of uremic patients against hepatitis B] Bommer J, et al. **Dtsch Med Wochenschr** 1983 Dec 2;108(48):1823–6 (Eng. Abstr.) **(Ger)**

[Cimetidine in the therapy of secondary hyperparathyroidism in uremia with hemodialytic treatment] Antonucci F, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):133–9 (Eng. Abstr.) **(Ita)**

[Periosteal neostosis in uremic osteodystrophy] Bedani PL, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):149–56 (Eng. Abstr.) **(Ita)**

[Intracortical tunnels: an early sign of hyperparathyroidism in chronic uremia under periodic hemodialysis] Meneghello A, et al. **Radiol Med (Torino)** 1983 Sep;69(9):650–3 (Eng. Abstr.) **(Ita)**

[Uremic neuropathy and the type of dialysis] Firenze C, et al. **Riv Patol Nerv Ment** 1982 Nov–Dec;103(6):271–6 (Eng. Abstr.) **(Ita)**

[Tuberculosis in dialysis patients. 10. Epidemiology of kidney and urinary tract tuberculosis] Inamoto H. **Kekkaku** 1983 May;58(5):287–91 (Eng. Abstr.) **(Jpn)**

[Secondary retinal detachment in patients with chronic uremia] Dróbecka-Brydakowa E, et al. **Klin Oczna** 1983 Nov–Dec;85(11–12):413–4 (Eng. Abstr.) **(Pol)**

[Ultrastructure of the ventricular myocardium in uremic patients— study of 11 cases with biopsy of the heart] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Sep–Oct; 38(5):184–9 (Eng. Abstr.) **(Por)**

[Growth in the uremic child (editorial)] Gordillo-Paniagua G. **Bol Med Hosp Infant Mex** 1983 Sep;40(9):473–5 **(Spa)**

[Evaluation of nutritional parameters in uremic patients treated by hemodialysis] Pérez Fontán M, et al. **Med Clin (Barc)** 1984 Feb 11;82(5):190–4 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Tyrosine supplementation in chronic experimental uremia. Abitbol CL, et al. **Biochem Med** 1983 Aug;30(1):101–10

Low protein diets in uraemia. Bennett SE, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1344–5

Comparison of three low-nitrogen diets containing essential amino acids and their alpha analogues for severely uremic children. Broyer M, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S290–4

Improved dietary treatment with low protein and phosphorus restriction in uremic rats. Kikuchi H, et al. **Kidney Int [Suppl]** 1983 Dec;16:S254–8

Adverse effect of proteins on remnant kidney: dissociation from that of other nutrients. Laouari D, et al. **Kidney Int [Suppl]** 1983 Dec;16:S248–53

Supplements containing amino acids and keto acids in the treatment of chronic uremia. Walser M, et al. **Kidney Int [Suppl]** 1983 Dec;16:S285–9

DRUG THERAPY

Pharmacokinetics of calcium blockers in patients with renal insufficiency and in geriatric patients. Storstein L, et al. **Acta Med Scand [Suppl]** 1984;681:25–30

Effect of parenteral allopurinol treatment in critically ill children in need of intensive care. Boda D, et al. **Acta Paediatr Hung** 1983;24(3):247–53

A controlled study of the effect of indomethacin in uremic pericarditis. Spector D, et al. **Kidney Int** 1983 Nov; 24(5):663–9

Aluminum intoxication [editorial] Alfrey AC. **N Engl J Med** 1984 Apr 26;310(17):1113–5

Aluminum intoxication from aluminum-containing phosphate binders in children with azotemia not undergoing dialysis. Andreoli SP, et al. **N Engl J Med** 1984 Apr 26; 310(17):1079–84

The promise of enzymes in therapy of uremia. II. Theoretical basis—enzyme properties. Setälä K. **Nephron** 1984; 37(1):7–11 (62 ref.)

The promise of enzymes in therapy of uremia. I. Theoretical basis—bowel physiology. Setälä K. **Nephron** 1984;37(1):1–6 (63 ref.)

The promise of enzymes in therapy of uremia. III. Enzyme preparation. Setälä K. **Nephron** 1984;37(1):12–20

[Comparative study of the antihyperazotemic activity of the phytopreparations nephroton, canephron and lespenephril] Lambev I, et al. **Eksp Med Morfol** 1984;23(2):91–6 (Eng. Abstr.) **(Bul)**

[Diagnosis and treatment of hyperazotemia in liver cirrhosis] Loginov AS, et al. **Ter Arkh** 1983;55(9):126–31 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Glucagon-stimulable adenylyl cyclase in rat liver. Effects of chronic uremia and intermittent glucagon administration. Dighe RR, et al. **J Clin Invest** 1984 Apr;73(4):1004–12

Granulocyte lysosomal factors and plasma elastase in uremia: a potential factor of catabolism. Heidland A, et al. **Klin Wochenschr** 1984 Mar 1;62(5):218–24

Neuraminidase-like activity in sera of uremic anemic patients. Levinsky H, et al. **Nephron** 1984;37(1):35–8

Release of neutrophil granule factors during early period of hemodialysis: a possible cause of hemodialysis neutropenia. Luciak M, et al. **Nephron** 1984;37(1):30–4

[Intra-erythrocytic GOT activity in uremia and its behavior following pyridoxine administration] Balcke P, et al. **Klin Wochenschr** 1983 Sep 1;61(17):859–63 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Fetal-neonatal uremia in advanced maternal diabetes. Moya FR, et al. **Clin Pediatr (Phila)** 1984 Apr;23(4):229–31

Role of intracellular calcium and calmodulin in cellular metabolism: possible implications for renal failure. Ritz E. **Kidney Int [Suppl]** 1983 Dec;16:S161–6

Renal abnormalities that cause hypertension versus those that cause uraemia. Guyton AC, et al. **Neth J Med** 1984; 27(4):117–23

Diabetic nephropathy. Beyer MM. **Pediatr Clin North Am** 1984 Jun;31(3):635–51 (57 ref.)

Juvenile nephronophthisis: sonographic appearance in children with severe uremia. Garel LA, et al. **Radiology** 1984 Apr;151(1):93–5

[Uremic cardiomyopathy in chronic renal insufficiency] Ostapiuk FE, et al. **Sov Med** 1983;(11):86–8 **(Rus)**

IMMUNOLOGY

Evaluation of the influence of peritoneal dialysis on cellular immunity by the E-rosette inhibition test. Giacchino F, et al. **Artif Organs** 1984 May;8(2):156–60

Immunosuppressive factors in uraemic sera are composed of both dialysable and non-dialysable components. Kamata K, et al. **Clin Exp Immunol** 1983 Oct;54(1):277–81

Immune response in experimentally induced uremia. VI. Uremic macrophages are defective in their ability to present antigen to T cells. Alevy YG, et al. **Clin Immunol Immunopathol** 1983 Dec;29(3):433–42

Immune response in experimentally induced uremia. VII. Uremic thymocytes amplify the response of control lymph node cells to alloantigens. Jatoi I, et al. **Clin Immunol Immunopathol** 1984 Jan;30(1):80–90

Hepatitis B vaccine: randomized trial of immunogenicity in hemodialysis patients. Benhamou E, et al. **Clin Nephrol** 1984 Mar;21(3):143–7

Suppression of mixed lymphocyte culture by uremic adherent spleen cells and peritoneal macrophages is dependent on a cyclophosphamide-sensitive cell. Alevy YG, et al. **Int Arch Allergy Appl Immunol** 1984;74(2):97–103

Cellular immunity in renal failure: depression of lymphocyte transformation by uraemia and methylprednisolone. Intra-individual consistency of lymphocyte responses to the in vitro suppressive effect of steroid. Langhoff E, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):241–5

Lymphocyte subsets assayed by numerical tests in CAPD. Giacchino F, et al. **Int J Artif Organs** 1984 Mar;7(2):81–4

Host resistance to Candida albicans in uraemia. Miller TE, et al. **J Med Microbiol** 1984 Apr;17(2):181–7

Derangement of humoral immune system in nondialyzed uremic patients. Kamata K, et al. **Jpn J Med** 1984 Feb; 23(1):9–15

Host immune status in uremia. V. Effect of uremia on resistance to bacterial infection. Clarke IA, et al. **Kidney Int** 1983 Jul;24(1):66–73

Nutrition, immunology, and renal disease. Glassock RJ. **Kidney Int [Suppl]** 1983 Dec;16:S194–8 (86 ref.)

Elevated circulating levels of eosinophil cationic protein in uremia as signs of abnormal eosinophil homeostasis. Hällgren R, et al. **Nephron** 1984;36(1):10–4

Analysis of humoral and cellular factors that contribute to impaired immune responsiveness in experimental uremia. Mezzano S, et al. **Nephron** 1984;36(1):15–9

Effect of vaccination schedule and dialysis on hepatitis B vaccination response in uraemic patients. Bommer J, et al. **Proc Eur Dial Transplant Assoc** 1983;20:161–8

Total serum IgE in uremia and after renal transplantation. Hällgren R, et al. **Scand J Urol Nephrol** 1983;17(3):365–8

Suppression of lymphocyte reactivity by blood transfusions in uremic patients. III. Regulation of cell-mediated lympholysis. Klatzmann D, et al. **Transplantation** 1984 Sep; 38(3):222–6

[Specific antibodies against lymphocytes and monocytes in multiple-transfused uremic patients] Torlone N, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):990–4 (Eng. Abstr.) **(Ita)**

METABOLISM

Intestinal absorption of vitamin A in experimental uremia. Vaziri ND, et al. **Acta Vitaminol Enzymol** 1984;6(1):41–5

Enhanced muscle protein degradation and amino acid release from the hemicorpus of acutely uremic rats. Flügel-Link RM, et al. **Adv Exp Med Biol** 1984;167:545–55

Enhanced muscle protein catabolism in uremia. Harter HR, et al. **Adv Exp Med Biol** 1984;167:557–69

Vitamin A and hyperparathyroid bone disease in uremia. Cundy T, et al. **Am J Clin Nutr** 1983 Dec;38(6):914–20

Suppression of para-aminohippurate transport in the isolated perfused kidney by an inhibitor of protein binding in uremia. Depner TA, et al. **Am J Kidney Dis** 1984 Jan; 3(4):280–6

Insulin-mediated potassium uptake is normal in uremic and healthy subjects. Alvestrand A, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E174–80

The thyroid and glucose intolerance in uremia [letter] De Marchi S, et al. **Ann Intern Med** 1983 Dec;99(6):883–4

Pharmacokinetics of ceftazidime in normal and uremic subjects. Leroy A, et al. **Antimicrob Agents Chemother** 1984 May;25(5):638–42

Hemodialysis of doxepin and desmethyldoxepin in uremic patients. Faulkner RD, et al. **Artif Organs** 1984 May; 8(2):151–5

Pathophysiology and treatment of uremic bone disease. Coburn J, et al. **Calcif Tissue Int** 1983 Sep;35(6):712–4

Influence of uremia, hemodialysis, and nonesterified fatty acids on zomepirac plasma protein binding. Pritchard JF, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):681–8

Reduced triiodothyronine content in liver but not pituitary of the uremic rat model: demonstration of changes compatible with thyroid hormone deficiency in liver only. Lim VS, et al. **Endocrinology** 1984 Jan;114(1):280–6

The influence of uremia on the accessibility of phosphomycin into interstitial tissue fluid. Fernandez Lastra C, et al. **Eur J Clin Pharmacol** 1983;25(3):333–8

Iodine trapping and organification in patients with chronic renal failure. Mooradian AD, et al. **Eur J Nucl Med** 1983; 8(11):495–8

Absorption and disposition of ibuprofen in hemodialyzed uremic patients. Senekjian HO, et al. **Eur J Rheumatol Inflamm** 1983;6(2):155–62

Triacylglycerol secretion and fatty acid synthesis by the liver in acute uremic rats. Hohenegger M, et al. **Exp Pathol** 1984; 25(2):89–95

The role of neurotransmitters in the genesis of uremic encephalopathy. Biasioli S, et al. **Int J Artif Organs** 1984 Mar;7(2):101–6

Branched chain and aromatic free amino acids in plasma and skeletal muscle of uremic patients undergoing hemodialysis and CAPD. Graziani G, et al. **Int J Artif Organs** 1984 Mar;7(2):85–8

Extra-renal hormonal status in end-stage uraemia. Bhalla IP, et al. **J Assoc Physicians India** 1983 Aug;31(8):493-5
Gas chromatographic--mass spectrometric analysis of polyols in urine and serum of uremic patients. Identification of new deoxyalditols and inositol isomers. Niwa T, et al. **J Chromatogr** 1983 Oct 14;277:25-39
Defective photoproduction of cholecalciferol in normal and uremic humans. Jacob AI, et al. **J Nutr** 1984 Jul; 114(7):1313-9
Pathogenic roles of post-heparin lipases in lipid abnormalities in hemodialysis patients. Chan MK, et al. **Kidney Int** 1984 May;25(5):812-8
Proceedings of the Third International Congress on Nutrition and Metabolism in Renal Disease. September 1-4, 1982, Marseilles, France. **Kidney Int [Suppl]** 1983 Dec;16:S1-352
Intracellular amino acids in uremia. Alvestrand A, et al. **Kidney Int [Suppl]** 1983 Dec;16:S9-16
Muscle intracellular electrolytes in patients with chronic uremia. Bergström J, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S153-60
Skeletal myopathy in uremia: abnormal energy metabolism. Brautbar N. **Kidney Int [Suppl]** 1983 Dec;16:S81-6 (40 ref.)
Effects of exercise training on muscle protein catabolism in uremia. Davis TA, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S52-7
Muscle biopsy studies in chronically uremic patients: evidence for malnutrition. Guarnieri G, et al. **Kidney Int [Suppl]** 1983 Dec;16:S187-93
Isolation of inhibitors of ligand: albumin-binding from uremic body fluids and normal urine. Gulyassy PF, et al. **Kidney Int [Suppl]** 1983 Dec;16:S238-42
Diuretic-induced azotemia: unmasking the role of increased peripheral catabolism through evisceration-hepatectomy. Kamm DE, et al. **Kidney Int [Suppl]** 1983 Dec;16:S58-60
Muscle protein turnover in uremia. Mitch WE, et al. **Kidney Int [Suppl]** 1983 Dec;16:S2-8 (77 ref.)
Effect of serine on gluconeogenic ability of hepatocytes in acute uremia. Riegel W, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S48-51
Effect of acute uremia on protein degradation and amino acid release in the rat hemicorpus. Salusky IB, et al. **Kidney Int [Suppl]** 1983 Dec;16:S43-7
The effects of chronic uremia on glucagon binding and action in isolated rat hepatocytes. Helinek TG, et al. **Metabolism** 1984 Feb;33(2):158-63
Carbohydrate metabolism of salivary glands of acutely uremic rats. Schäfer RM, et al. **Nephron** 1983;35(4):253-8
Insulin resistance in uraemia. An insulin receptor or an intracellular defect? Schmitz O, et al. **Proc Eur Dial Transplant Assoc** 1983;20:686-91
[A study of guanidine metabolism in uremia, with special reference to serum guanidinoacetic acid in anephric patients] Tofuku Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Feb;26(2):171-81 (Eng. Abstr.) **(Jpn)**
[Metabolic disorders in uremia. II. Glucose] Jarkovský L. **Vnitr Lek** 1984 Feb;30(2):152-7 (29 ref.) (Eng. Abstr.) **(Slo)**
[Metabolic disorders in uremia. III. Lipids] Jarkovský L. **Vnitr Lek** 1984 Feb;30(2):158-62 (23 ref.) (Eng. Abstr.) **(Slo)**
[Metabolic disorders in uremia. I. Proteins] Jarkovský L, et al. **Vnitr Lek** 1984 Jan;30(1):80-2 (Eng. Abstr.) **(Slo)**
[Parathormone as a uremic toxin. Possible effect on respiratory muscle function in uremia] Gómez-Fernández P, et al. **Med Clin (Barc)** 1984 Mar 10;82(9):395-7 (Eng. Abstr.) **(Spa)**

MORTALITY

Survival in elderly patients presenting with uraemia. Mallinson WJ, et al. **Q J Med** 1984 Spring;53(210):301-7

OCCURRENCE

Why does uremia in heroin abusers occur predominantly among blacks? [editorial] Friedman EA, et al. **JAMA** 1983 Dec 2;250(21):2965-6

PATHOLOGY

Renal osteodystrophy. Teitelbaum SL. **Hum Pathol** 1984 Apr;15(4):306-23 (103 ref.)
Thirty year old caucasian female with abdominal pain of 11 days duration [clinical conference] Ohrt DK 2, et al. **SD J Med** 1983 Oct;36(10):25-33
[Changes in the pancreas in experimental uremia] Bartoš V, et al. **Cas Lek Cesk** 1983 Dec 2;122(48):1479-81 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Muscle cathepsin D activity, and RNA, DNA and protein content in maintenance hemodialysis patients. Guarnieri GF, et al. **Adv Exp Med Biol** 1984;167:533-43
Role of uremia, brain calcium, and parathyroid hormone on changes in electroencephalogram in chronic renal failure. Akmal M, et al. **Am J Physiol** 1984 May;246(5 Pt 2):F575-9
Hemodynamic response to volume depletion in acutely uremic dogs. Daugirdas JT, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 2):H229-36
Lack of influence of 24,25-dihydroxyvitamin D3 on parathyroid hormone secretion from normal or hyperplastic glands. Rothstein M, et al. **Calcif Tissue Int** 1983 Jul; 35(4-5):449-54
The effects of renal hemodialysis on pattern reversal evoked potentials. Shearer DE, et al. **Clin Electroencephalogr** 1984 Apr;15(2):97-101
Vascular hypersensitivity to noradrenaline: a possible mechanism of hypertension in rats with chronic uraemia. Zimlichman RR, et al. **Clin Sci** 1984 Aug;67(2):161-6
Gastric functions in chronic uraemia and effects of dialysis. Garg AK, et al. **Indian J Gastroenterol** 1984 Apr;3(2):73-5
Respiratory function in CAPD. Di Paolo N, et al. **Int J Artif Organs** 1984 Mar;7(2):67-72
Insulin action in uremia. DeFronzo RA, et al. **Kidney Int [Suppl]** 1983 Dec;16:S102-14
Abnormal norepinephrine release in uremia. Izzo JL Jr, et al. **Kidney Int [Suppl]** 1983 Dec;16:S221-3
Cardiac function in experimental uremia. Kreusser W, et al. **Kidney Int [Suppl]** 1983 Nov;15:S83-8 (45 ref.)
Skeletal growth in experimental uremia. Mehls O, et al. **Kidney Int [Suppl]** 1983 Nov;15:S53-62 (80 ref.)
Glomerular hemodynamics and vascular structure in uremia: a network analysis of glomerular path lengths and maximal blood transit times computed for a microvascular model reconstructed from subserial ultrathin sections. Shea SM, et al. **Microvasc Res** 1984 Jul;28(1):37-50
Uremic cardiomyopathy: potential role of vitamin D and parathyroid hormone. McGonigle RJ, et al. **Nephron** 1984; 36(2):94-100
The influence of larger molecules on cellular response in uremia. Giacchino F, et al. **Trans Am Soc Artif Intern Organs** 1983;29:29-32
Effect of cooled dialysate on serum catecholamines and blood pressure stability. Mahida BH, et al. **Trans Am Soc Artif Intern Organs** 1983;29:384-9
The unsuitability of BUN as a criterion for prescription dialysis. Shapiro JI, et al. **Trans Am Soc Artif Intern Organs** 1983;29:129-34
[Endocrinologic and immunologic function in uremic patients with asthenia of the kidney] Chen MF. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):328-30 (Eng. Abstr.) **(Chi)**
[Physiologic and physiopathologic aspects of acid-base equilibrium in uremia] van Ypersele de Strihou C. **Nephrologie** 1983;4(4-5):178-80 **(Fre)**
[Hyperammonemia and decrease of growth and nocturnal locomotion in rats with portal stricture and uremia] Imler M, et al. **Pathol Biol (Paris)** 1984 Apr;32(4):227-32 (Eng. Abstr.) **(Fre)**
[Kidney patients and the dental surgery risk] Benech A, et al. **Minerva Stomatol** 1984 Mar-Apr;33(2):247-51 (Eng. Abstr.) **(Ita)**
[Serial observation of recovery from obstructive nephropathy after relief of ureteral obstruction, with special reference to post-obstructive diuresis] Hata M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):81-8 (Eng. Abstr.) **(Jpn)**
[The circulatory system in chronic uremia] Trznadel K. **Pol Tyg Lek** 1983 Jul 11-18;38(28-29):905-8 (27 ref.) **(Pol)**
[Effect of calcitonin and parathyroid hormone on the myocardium during cardiac adaptation to azotemia] Barabanova VV, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):83-6 **(Rus)**

PSYCHOLOGY

Hyperprolactinemia and sexual disturbances among uremic women on hemodialysis. Mastrogiacomo I, et al. **Nephron** 1984;37(3):195-9
[Physician-patient relations in a service for socially isolated uremic children. Analysis by the Balint type of group technic] Blum de Gordillo B, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:94-102 (Eng. Abstr.) **(Spa)**

REHABILITATION

[Evaluation of the rehabilitation of a group of socially isolated uremic children] Muñoz-Arizpe R, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:57-62 (Eng. Abstr.) **(Spa)**

SURGERY

Renal transplantation in diabetic patients--initial results from a new program in South Carolina. Majeski JA, et al. **J SC Med Assoc** 1984 Jun;80(6):277-8

THERAPY

Continuous monitoring of the efficiency of haemodialysis by recording the UV transmittance of the dialysis solution. Gál G, et al. **Acta Chir Hung** 1983;24(4):231-9
Insulin resistance in uraemic insulin-dependent diabetics. Effect of dialysis therapy as assessed by the artificial endocrine pancreas. Schmitz O, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):371-8
Forces determining selection of uremia therapy. Friedman EA, et al. **Adv Nephrol** 1984;13:151-62 (35 ref.)
Predicting success of intensive dialysis in the treatment of uremic pericarditis. De Pace NL, et al. **Am J Med** 1984 Jan;76(1):38-46
Aluminum-induced osteomalacia: an explanation. Thomas WC, et al. **Am J Nephrol** 1984 May-Jun;4(3):201-3
Nitrogen balance studies in patients with uremia during treatment with protein-reduced diet and supplementation with essential amino acids or keto acids. Attman PO, et al. **Ann Nutr Metab** 1984;28(1):29-36
Sensory nerve conduction in chronic uremic patients during the first six months of hemodialysis. D'Amour ML, et al. **Can J Neurol Sci** 1984 May;11(2):269-71
The study of sexual dysfunction in uremic males: problems for patients and investigators. Procci WR. **Clin Exp Dial Apheresis** 1983;7(4):289-302
Continuous ambulatory peritoneal dialysis (CAPD). Swartz RD. **Compr Ther** 1983 Aug;9(8):54-60
Early dialysis. Bonomini V, et al. **Contrib Nephrol** 1984; 37:45-51
Evaluation of the clinical and organizational impact of CAPD in the three year period from 1980-1983; the experience of 21 centers. Segoloni GP. **Int J Artif Organs** 1984 Mar;7(2):73-5
Hemodialysis for children. A review. Nevins TE, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):155-69 (158 ref.)
beta 2-Microglobulin and other low molecular weight proteins in haemodiafiltrates and in haemofiltrates. Montali U, et al. **Int J Tissue React** 1984;6(1):71-4
Effects of caloric supplementation on growth in children with uremia. Arnold WC, et al. **Kidney Int** 1983 Aug;24(2):205-9
Zinc metabolism and taste acuity in renal transplant recipients. Mahajan SK, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S310-4
Effects of amino acid infusions on cell metabolism in hemodialyzed patients with uremia. Metcoff J, et al. **Kidney Int [Suppl]** 1983 Dec;16:S87-92
Effects of renal substitutive programs on amino acid patterns in chronic uremia. Scolari MP, et al. **Kidney Int [Suppl]** 1983 Dec;16:S77-80
Heat inhibition of in vitro lipolysis and 14C ibuprofen protein binding in plasma from heparinized uraemic subjects. Pearce GA, et al. **Life Sci** 1983 Oct 10;33(15):1457-66
Comparative losses of free amino acids and their plasma variations in artificial substitutive programmes for chronic uraemia. Scolari MP, et al. **Life Support Syst** 1983 Jan-Mar; 1(1):51-60
Continuous ambulatory peritoneal dialysis improves immunodeficiency in uremic patients [letter] Giacchino F, et al. **Nephron** 1983;35(3):209-10
Respiratory muscle weakness in uremic patients under continuous ambulatory peritoneal dialysis. Gómez-Fernández P, et al. **Nephron** 1984;36(4):219-23
Insufficient documentation of the hemodialysis prescription: delaying the definition of adequate dialysis. Lundin AP, et al. **Nephron** 1984;37(3):200-2
A model of long-term peritoneal dialysis in the dog. Rubin J, et al. **Nephron** 1983;35(4):259-63
High dose of L-carnitine increases platelet aggregation and plasma triglyceride levels in uremic patients on hemodialysis. Weschler A, et al. **Nephron** 1984;38(2):120-4
[Traditional Chinese medicine treatment of complications of hemodialysis in uremic patients] Shi ZS. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):331-3 (Eng. Abstr.) **(Chi)**
[Treatment of chronic uremia by dialysis] Lampainen E. **Duodecim** 1983;99(17):1218-26 (35 ref.) **(Fin)**
[Modification of uremic thrombocytopathy by hemodialysis] Frick U, et al. **Folia Haematol (Leipz)** 1983;110(2):309-13 (Eng. Abstr.) **(Ger)**
[Fenestration of the pericardium in uremic pericardial effusion] Makó J, et al. **Orv Hetil** 1983 Oct 16; 124(42):2545-7 (Eng. Abstr.) **(Hun)**
[Cholesterol-HDL and apoprotein A in a group of chronic uremic patients undergoing continuing hemodialytic treatment] Bergesio F, et al. **Minerva Nefrol** 1983 Jul-Sep; 30(3):165-73 (Eng. Abstr.) **(Ita)**
[The alpha-1-acid glycoprotein (alpha-1-ag) in serum of uremic patients in maintenance hemodialysis] Docci D, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):416-21 (Eng. Abstr.) **(Ita)**
[Role of peritoneal dialysis in the elimination of uric acid in patients with uremia] Grzegorzewska A. **Pol Arch Med Wewn** 1983 Mar;69(3):213-20 (33 ref.) **(Pol)**
[Effect of hemodialysis on left-ventricular systolic time intervals] Suchan L, et al. **Pol Tyg Lek** 1984 Jan 2; 39(1):9-11 (Eng. Abstr.) **(Pol)**
[Periodic hemodialysis] Ursea N, et al. **Rev Med Interna [Med Interna]** 1983 Nov-Dec; 35(6):481-98 **(Rum)**

VETERINARY

Support of an anephric dog for 54 days with ambulatory peritoneal dialysis and a newly designed peritoneal catheter. Thornhill JA, et al. **Am J Vet Res** 1984 Jun; 45(6):1156-61
Management of post-renal uremia. Barsanti JA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):609-16

UREOHYDROLASES

BIOSYNTHESIS

Catabolite repression and nitrogen control of allantoin-degrading enzymes in Pseudomonas aeruginosa. Janssen DB, et al. **Antonie Van Leeuwenhoek** 1983 Nov; 49(4-5):501-8

GENETICS

Antagonistic transcriptional regulation of the putrescine biosynthetic enzyme agmatine ureohydrolase by cyclic AMP and agmatine in Escherichia coli. Satishchandran C, et al. **J Bacteriol** 1984 Feb;157(2):552–9

Arginine degradation in Pseudomonas aeruginosa mutants blocked in two arginine catabolic pathways. Haas D, et al. **MGG** 1984;193(3):437–44

URETER

Indwelling double-J ureteral stents for temporary and permanent urinary drainage: experience with 87 patients. Andriole GL, et al. **J Urol** 1984 Feb;131(2):239–41

Ureteroscopy with rigid instruments in the management of distal ureteral disease. Goodman TM. **J Urol** 1984 Aug; 132(2):250–3

Extending cystoscopic techniques into the ureter and renal pelvis. Experience with ureteroscopy and pyeloscopy. Huffman JL, et al. **JAMA** 1983 Oct 21;250(15):2002–5

Ureteroscopy and ureteropyeloscopy. Lyon ES, et al. **Urology** 1984 May;23(5 Spec No):29–36

[Sonography of the efferent urinary tract. Suprapubic and intravesical methods] Frentzel-Beyme B, et al. **ROFO** 1984 Jan;140(1):54–60 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Prenatal diagnosis of Potter's syndrome by ultrasound. Helin I, et al. **Acta Paediatr Scand** 1983 Nov;72(6):939–41

Ectopic ureteral orifice masquerading as a urethral diverticulum. Curry NS. **AJR** 1983 Dec;141(6):1325–6

Refluxing urethral ectopic ureters: recognition by the cyclic voiding cystourethrogram. Wyly JB, et al. **AJR** 1984 Jun; 142(6):1263–7

Acanthosis nigricans. In association with the adrenogenital syndrome, hyperlipoproteinemia type IV, and congenital malformation of the urinary tract. Weissman-Katzenelson V, et al. **Arch Dermatol** 1983 Nov;119(11):953–4

Distal ureteral atresia. Bose SM, et al. **Aust NZ J Surg** 1984 Jun;54(3):225–7

Urethral ectopic ureter with a ureteric valve. Ahmed S, et al. **Aust Paediatr J** 1983 Sep;19(3):185–6

Unusual presentation of bilateral single ectopic ureter. Yadav K, et al. **Br J Urol** 1984 Feb;56(1):98

Ureteral duplication with a blind-ending branch. Gomula A, et al. **Int Urol Nephrol** 1983;15(4):317–21

The association of congenital megaureter and ureteropelvic junction obstruction. Waltzer WC. **Int Urol Nephrol** 1983; 15(3):237–44

Repair of ureteral defect in a foal. Robertson JT, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):799–800

Bilateral ectopic ureters in a female cat without urinary incontinence. Rutgers C, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1394–5

Antegrade pyelography in ureteric duplications with obstructed upper segments. Macpherson RI, et al. **J Can Assoc Radiol** 1983 Dec;34(4):282–5

Ureteral triplication and duplicated opposite kidney with refluxing ureterocele. Miguelez Lago C, et al. **J Pediatr Surg** 1983 Oct;18(5):614–6

Sonographic diagnosis of vaginal ectopic ureter. Hantman SS. **J Ultrasound Med** 1983 Nov;2(11):523–4

Ventriculo-peritoneal shunt pseudocyst causing ureteropelvic junction obstruction in a child with myelomeningocele and retrocaval ureter. Piercy SL, et al. **J Urol** 1984 Aug;132(2):345–8

Muscle dysplasia in megaureters. Tokunaka S, et al. **J Urol** 1984 Feb;131(2):383–90

Renal dysplasia with a single vaginal ectopic ureter: the role of computerized tomography. Utsunomiya M, et al. **J Urol** 1984 Jul;132(1):98–100

Sonographic identification of collecting system duplications. Schaffer RM, et al. **JCU** 1983 Aug;11(6):309–12

Ureteral triplication with a ureterocele. Finkel LI, et al. **Pediatr Radiol** 1983;13(6):346–8

Ultrasound in evaluation of urinary incontinence secondary to ectopic ureter. Kaude JV, et al. **ROFO** 1983 Nov; 139(5):578–9

Complications of ureteral duplication surgery. Walker RD 3d. **Urol Clin North Am** 1983 Aug;10(3):423–31

Blind-ending branch of bifid ureter. Report of 2 cases in children. Garat JM, et al. **Urol Int** 1984;39(2):116–20

Ectopic duplicated ureter opening into ipsilateral vas deferens. Glasser J, et al. **Urology** 1984 Mar;23(3):309–12

Embryologic and diagnostic aspects of associated malformation of upper urinary and genital tracts. Röhrborn C, et al. **Urology** 1983 Dec;22(6):588–93

Crossed ectopia of seminal vesicles and blind-ending ureter. Wakatsuki A, et al. **Urology** 1984 Sep;24(3):291–2

Ureteral ectopia into seminal vesicle: embryology and clinical presentation. Williams JL, et al. **Urology** 1983 Dec; 22(6):594–6

[Case of combined mesonephroma and bilateral megaureter in an 11-year-old girl] Mitov F, et al. **Akush Ginekol (Sofiia)** 1983;22(4):333–5 **(Bul)**

[Ectopic ureteral orifice: report of 37 cases and review of Chinese literature] Wei WS. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):424–6 (Eng. Abstr.) **(Chi)**

[Uterus didelphys with unilateral hematocolpos, hematometra, hematosalpinx, ipsilateral renal agenesis and contralateral hydroureter and hydronephrosis] Gasser F, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3263–4 (Eng. Abstr.) **(Dan)**

[Treatment of megaureter in children by Cohen's operation combined with ureteral reconstruction. 81 reconstructed and reimplanted ureters] Melin Y, et al. **Chir Pediatr** 1984; 25(1):48–52 (Eng. Abstr.) **(Fre)**

[Case of megadolichoureter due to an anomaly of the ureterovesical junction in 2 brothers] Plauchu H, et al. **J Genet Hum** 1984 Jun;32(2):127–8 (Eng. Abstr.) **(Fre)**

[Primary obstructive megaureter in children and adults] Beurton D. **J Urol (Paris)** 1983;89(6):375–457 **(Fre)**

[Sonographic demonstration of an ectopic ureter orifice] Tölly E, et al. **Digitale Bilddiagn** 1984 Jun;4(2):63–5 (Eng. Abstr.) **(Ger)**

[Fold formations in the proximal ureter] Müller-Wiefel DE, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):153–7 (Eng. Abstr.) **(Ger)**

[Ureteral duplication with extravesical ureteral orifice] Steidle B, et al. **ROFO** 1984 Feb;140(2):174–8 (Eng. Abstr.) **(Ger)**

[Percutaneous demonstration of ectopic megaureters] Meyer-Schwickerath M, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):35–8 (Eng. Abstr.) **(Ger)**

[The ectopic ureter] Riccabona M. **Urologe [Ausg A]** 1983 Nov;22(6):450–2 (Eng. Abstr.) **(Ger)**

[Crossed dystopia of the kidney and an ectopic ureteral orifice] Schmeller NT, et al. **Urologe [Ausg A]** 1984 Jul; 23(4):238–9 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of ectopic ureters and ectopic ureteroceles with double kidneys] Westenfelder M. **Urologe [Ausg A]** 1983 Nov;22(6):414–24 (Eng. Abstr.) **(Ger)**

[A case of ureteral triplication associated with renal dysmorphy, bilateral reflux, ureterocele and Ask-Upmark kidney] Wilhelm E. **Urologe [Ausg A]** 1983 Sep;22(5):267–9 (Eng. Abstr.) **(Ger)**

[Results of operative treatment of vesico-ureteral reflux and megaureter in childhood] Minkov N, et al. **Z Urol Nephrol** 1984 Feb;77(2):75–86 (Eng. Abstr.) **(Ger)**

[Retrocaval course of the ureter (case report)] Wesuls H. **Z Urol Nephrol** 1984 Feb;77(2):115–7 **(Ger)**

[Ureter bifidus with a blind end in one of the ureteral branches] Somogyi L, et al. **Orv Hetil** 1983 Oct 2; 124(40):2431–4 (Eng. Abstr.) **(Hun)**

[A case of bifid ureter, one with a blind end: ureteral diverticulum?] Biliotti G, et al. **Minerva Urol** 1983 Apr-Jun; 35(2):161–3 (Eng. Abstr.) **(Ita)**

[Upper segmental hydronephrosis in incomplete duplex system (a subtype of Fraley's syndrome)] Ishida A, et al. **Hinyokika Kiyo** 1984 May;30(5):679–82 (Eng. Abstr.) **(Jpn)**

[On renal function and structure in ureterovesical junction anomalies--with special reference to the genesis of renal dysplasia] Gotoh T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1493–508 (Eng. Abstr.) **(Jpn)**

[Ectopic ureter. A difficult and late diagnosis, illustrated by a case report] Andersen OJ. **Tidsskr Nor Laegeforen** 1984 Jan 10;104(1):26–8 (Eng. Abstr.) **(Nor)**

[Right preureteral vena cava in a 17-year-old girl] Jankowski A, et al. **Pediatr Pol** 1984 Feb;59(2):153–6 **(Pol)**

[Vaginal ectopy of the ureter] Noskov AP, et al. **Klin Khir** 1984 Jun;(6):58–9 **(Rus)**

[Surgical treatment of ureterocele of solitary ureters in children] Cheskis AL, et al. **Urol Nefrol (Mosk)** 1983 Jul-Aug;(4):33–8 (Eng. Abstr.) **(Rus)**

[Pyonephrosis of the upper half of a double kidney with ectopia of the ureteral orifice in an infant] Iarisov IuN, et al. **Urol Nefrol (Mosk)** 1984 May-Jun;(3):67 **(Rus)**

[Clinico-roentgenological variants of ureteral dysembryoplasia in children] Vinogradov VI, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):17–20 (Eng. Abstr.) **(Rus)**

[Diphallus--a rare congenital anomaly in the development of the male sexual organ] Simunović N, et al. **Acta Chir Iugosl** 1984;31(1):67–71 (Eng. Abstr.) **(Scr)**

[Ectopy in ureteral duplication discovered in an unusual manner] Santos Largo J, et al. **Actas Urol Esp** 1983 Sep-Oct;7(5):373–6 (Eng. Abstr.) **(Spa)**

[Harlequin fetus with kidney abnormalities] Correa R, et al. **An Esp Pediatr** 1983 Dec;19(6):522–3 **(Spa)**

[Ureteral multiplicity. Review of case records] Fawaz B, et al. **An Esp Pediatr** 1984 Apr 15;20(6):609–14 (Eng. Abstr.) **(Spa)**

[Nephro-urologic complications of presacral teratomas] Suñol MA, et al. **An Esp Pediatr** 1984 Apr 15;20(6):625–30 (Eng. Abstr.) **(Spa)**

[Blind cranial bifid ureter: 5 new cases] Robles García JE, et al. **Arch Esp Urol** 1983 May-Jun;36(3):175–80 (Eng. Abstr.) **(Spa)**

ANALYSIS

Decreased fibrinolytic activity in vessels and ureters of rejecting human kidneys. Ljungnér H, et al. **Scand J Urol Nephrol** 1983;17(3):361–4

Human ureter, a source of tissue plasminogen activator. Ljungnér H, et al. **Thromb Res** 1984 May 1;34(3):217–24

ANATOMY & HISTOLOGY

Accurate intraoperative identification of the ureters with the use of ureteral illumination. Kasulke RJ. **Am Surg** 1983 Sep;49(9):501

[Urinary tract of the Gallus gallus--Indian River: II. Trajectory and relations of the ureter with blood vessels] Dias SM, et al. **Anat Histol Embryol** 1984 Mar;13(1):64–7 (Eng. Abstr.) **(Spa)**

[The urinary tract of Gallus gallus Indian River species. I. Ureter formation and branches] Mello Dias S, et al. **Anat Histol Embryol** 1983 Dec;12(4):347–52 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Capillary sclerosis of the urinary tract and analgesic nephropathy. Mihatsch MJ, et al. **Clin Nephrol** 1983 Dec; 20(6):285–301

Estimation of the uteroplacental perfusion by use of 113mIn-transferrin and an iterative regression method. Leodolter S, et al. **Gynecol Obstet Invest** 1983;16(3):172–9

Preservation of the ureteral blood supply in rat renal transplantation. Khauli RB, et al. **Microsurgery** 1983; 4(4):225–8

Capsaicin-induced substance P release and sensory control of vascular permeability in the guinea-pig ureter. Saria A, et al. **Neurosci Lett** 1983 Oct 31;41(1-2):167–72

[Surgical experience of ureteral varices] Fujioka T, et al. **Hinyokika Kiyo** 1984 Mar;30(3):321–6 (Eng. Abstr.) **(Jpn)**

[Assessment of the vascularization of the terminal ureter in ureterosigmoidostomy] Roca Suarez A, et al. **Actas Urol Esp** 1984 May-Jun;8(3):191–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Comparative tissue reactivity to topical hemostatic agents in the periureteral area. Wahlstrom E, et al. **Arch Surg** 1983 Dec;118(12):1375–7

The effect of nifedipine and verapamil on KC1-induced rhythmic contractions of guinea pig ureter in vitro. Maggi CA, et al. **Experientia** 1984 Jul 15;40(7):681–6

Effect of adrenaline and nor adrenaline on isolated rat ureter preparations. Qayum A, et al. **JPMA** 1983 Sep;33(9):223–9

Effects of noradrenaline and acetylcholine on ureteral peristalsis. Morita T, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):489–90

Effects of beta-adrenergic agents on the pacemaker of ureteral peristalsis. Morita T, et al. **Urol Int** 1984; 39(3):154–8

Actions of some autonomic drugs on spontaneous contractions of isolated dog ureter. Yano S, et al. **Urol Int** 1984;39(2):100–4

[Experimental and physiological study on the effects of autonomic drugs upon the pacemaker activity of pelviureteral peristalsis] Suzuki T. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):123–38 (Eng. Abstr.) **(Jpn)**

[The adrenergic component in ureteral obstruction in the rabbit] Salinas Casado J. **Actas Urol Esp** 1983 May-Jun; 7(3):239–44 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

The effect of Tween 20 on indirect immunoperoxidase staining of blood group antigen A in human urothelium. Juhl BR, et al. **J Histochem Cytochem** 1984 Sep; 32(9):935–41

Immunoperoxidase versus specific red cell adherence in detection of ABO(H) antigens on normal urothelium. Double-blind study. McAlpine RG, et al. **Urology** 1984 Aug;24(2):153–6

INJURIES

Recovery of renal function after 33 days of complete bilateral ureteric obstruction. Awojobi OA, et al. **Afr J Med Med Sci** 1983 Sep-Dec;12(3-4):121–3

Ureteric injury following chemical sympathectomy. Fraser I, et al. **Br J Surg** 1984 May;71(5):349

The radiologic diagnosis of complications following gynecologic surgery: radiography, computed tomography, sonography, and scintigraphy. Demos TC, et al. **CRC Crit Rev Diagn Imaging** 1984;22(1):43–94 (69 ref.)

Ureteric damage in surgery for cancer of the large bowel. Hughes ES, et al. **Dis Colon Rectum** 1984 May;27(5):293–5

Traumatic injuries of the lower ureter associated with pelvic fractures. Bick C, et al. **Eur Urol** 1984;10(2):143–4

Surgical injury to the ureter: a report on 21 injuries in 19 patients. Grace PA, et al. **Ir Med J** 1983 Oct;76(10):418–20

Ureteral contusion with gunshot wounds. Cass AS. **J Trauma** 1984 Jan;24(1):59–60

Embolization of kidney: treatment for laceration of ureter producing intractable urinary ascites. Abaskaron M, et al. **Urology** 1984 Mar;23(3):299–300

Blunt renal pelvic and ureteral injury in multiple-injured patients. Cass AS. **Urology** 1983 Sep;22(3):268–70

Ureteral injury from ureteroscopic stone manipulation. Kaufman JJ. **Urology** 1984 Mar;23(3):267–9

[Complete ureteral avulsion. Complication of vaginal delivery of an infant dying in utero during the second trimester of pregnancy] Poizat R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):615–8 (Eng. Abstr.) **(Fre)**

[Closed traumatic ruptures of the normal upper urinary tract]

Viville C, et al. **J Urol (Paris)** 1983;89(8):533–9 (Eng. Abstr.) **(Fre)**

[Is antireflux management of a ureteral lesion occurring during gynecologic surgery absolutely necessary?] Becht E, et al. **Geburtshilfe Frauenheilkd** 1984 Jun;44(6):359–62 (Eng. Abstr.) **(Ger)**

[Injuries of the ureter caused by external forces] Egilmez AN, et al. **Helv Chir Acta** 1983 Jun;50(3):225–9 (Eng. Abstr.) **(Ger)**

[Injuries of the ureter caused by external force] Sigel A, et al. **Urologe [Ausg A]** 1984 Jan;23(1):30–4 (Eng. Abstr.) **(Ger)**

[Traumatic injuries of the distal ureter in pelvic fractures] Bick C, et al. **Z Urol Nephrol** 1983 Oct;76(10):647–52 (Eng. Abstr.) **(Ger)**

[Urine pseudocyst following multiple injury with closed subpelvic ureteral rupture in childhood] Halimann B, et al. **Z Urol Nephrol** 1983 Oct;76(10):653–64 (Eng. Abstr.) **(Ger)**

[Severe ureteral lesions secondary to hysterectomy. Case report] Rubino SM, et al. **Minerva Ginecol** 1983 Jun; 35(6):405–8 (Eng. Abstr.) **(Ita)**

[Ureteral injury during retroperitoneal removal of the lymph nodes] Kuzaka B. **Pol Tyg Lek** 1983 Jul 25;38(30):939–41 (Eng. Abstr.) **(Pol)**

[Surgical treatment of ureteral injuries due to gynecologic operations] Zvara V, et al. **Bratisl Lek Listy** 1983 Jul; 80(1):86–90 (Eng. Abstr.) **(Slo)**

[Traumatic section of the ureteropelvic junction in children, report of 2 cases. Review of the literature] Agra Cadarso B, et al. **An Esp Pediatr** 1984 Apr 15;20(6):504–8 (Eng. Abstr.) **(Spa)**

[Ureteral injuries. Apropos of 2 cases] Martín Benito JL, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):427–32 (Eng. Abstr.) **(Spa)**

INNERVATION

Conduction velocity in various regions of the renal pelvis and ureter. Morita T, et al. **Tohoku J Exp Med** 1983 Oct; 141(2):245–6

METABOLISM

The contents of contractile proteins in the normal and dilated ureter. Yamaguchi O, et al. **Tohoku J Exp Med** 1983 Sep; 141(1):121–2

MICROBIOLOGY

Mutations in E coli cistrons affecting adhesion to human cells do not abolish Pap pili fiber formation. Norgren M, et al. **EMBO J** 1984 May;3(5):1159–65

PATHOLOGY

The ureterovesical junction. Juskiewenski S, et al. **Anat Clin** 1984;5(4):251–9

Primary megaureter in adults. Frohneberg D, et al. **Eur Urol** 1983;9(6):321–8

Contralateral renal and ureteral displacement following flank incisional hernia. Navarro T, et al. **Urology** 1984 Jun; 23(6):606–7

[Ureteral stenosis caused by epidermoid metaplasia of the urothelium] Gagnon J, et al. **J Radiol** 1984 Mar;65(3):207–9 (Eng. Abstr.) **(Fre)**

[Retrograde brush biopsy of the kidney pelvis and ureters] Gill W. **Urologe [Ausg A]** 1983 Sep;22 Suppl:372–8 (Eng. Abstr.) **(Ger)**

[Surveillance colonoscopy after ureterosigmoidostomy] Takasaki N, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1401–9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Relationship between PGE2 and renin release in dog kidneys. Effects of afferent arteriolar dilation and adrenergic stimulation. Vikse A, et al. **Acta Physiol Scand** 1984 Jul; 121(3):261–8

Segmental distribution of vascular resistances during ureteral occlusion. The vasoconstrictive effects of angiotensin and CaCl2 differ from those of catecholamines and renal nerve stimulation. Vikse A, et al. **Acta Physiol Scand** 1983; 119(2):147–58

Total and regional renal blood flow during complete unilateral ureteral obstruction. Wahlberg J, et al. **Acta Physiol Scand** 1984 Jun;121(2):111–8

Action of arachidonic acid in ureteral-ligated kidney of the anesthetized canine: possible lipoxygenase activity. Chapnick BM. **Can J Physiol Pharmacol** 1984 Jun; 62(6):689–94

Promoting effects of unilateral ureteric ligation on two-stage urinary bladder carcinogenesis in rats. Miyata Y, et al. **Cancer Lett** 1984 Jul;23(3):265–72

The electrophysiological pattern of activity of the ureter muscle of the rabbit in vivo. Magora A, et al. **Electromyogr Clin Neurophysiol** 1984 Mar–Apr; 24(3):177–83

Force-velocity relationships of guinea pig ureter. Biancani P, et al. **J Urol** 1984 May;131(5):988–91

Does good upper tract compliance preserve renal function. Bullock KN, et al. **J Urol** 1984 May;131(5):914–6

Effect of glucagon on ureteric peristalsis in man, pig, rabbit and rat. Stower MJ, et al. **J Urol** 1984 Apr;131(4):822–4

Ureteral ejaculation of urine visualized by ultrasound. Elejalde BR, et al. **JCU** 1983 Nov–Dec;11(9):475–6

Roles of adrenergic drugs in the renal pelvic pacemaker control of ureteral peristalsis. Morita T, et al. **Urol Int** 1983; 38(5):285–92

Peristalsis of the pyeloureter in pigs measured by videodensitometry. Pedersen AG, et al. **Urol Res** 1983; 11(6):255–7

Effect of metoclopramide on ureteral motility. Berman DJ, et al. **Urology** 1984 Feb;23(2):150–6

Bolus propagation in pig ureter in vitro. van Mastrigt R, et al. **Urology** 1984 Feb;23(2):157–62

[Evaluation of the pelvi-ureteral function through a new urine bolusmetry. II. Simultaneous measurement of urine bolus volume and electroureterogram] Harada T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1526–35 (Eng. Abstr.) **(Jpn)**

[The ureteromechanogram in variations in diuresis] Salinas J, et al. **Actas Urol Esp** 1984 May–Jun;8(3):237–40 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Intraureteric eversion and reflux into a simple ureterocele. Chapman S, et al. **Br J Radiol** 1984 Apr;57(676):333–4

[Determination and modification of ureteral motility with drugs] Philipp K. **Fortschr Med** 1983 Sep 22;101(36):1621–5 **(Ger)**

[Urine transport function of the ureteropelvic system—evaluation of urine bolus volume in congenital hydronephrosis] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1370–82 (Eng. Abstr.) **(Jpn)**

[Length-tension characteristics in chronically obstructed dilated ureter] Suzuki M. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):414–23 (Eng. Abstr.) **(Jpn)**

[Intraoperative electroureterography in the treatment of hydroureteronephrosis] Karpenko VS, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):29–33 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes in the terminal ureter in developmental defects] Korol'kova IA, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):6–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A particular use for the intravenous injection of indigo carmine. Craig C. **Australas Radiol** 1983 Nov;27(3):273

CT demonstration of urinary bladder displacement causing medial deviation of the distal ureter. Apter S, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):294–5

Urinary obstruction: pitfalls in the use of delayed contrast material washout for diagnosis. Newhouse JH, et al. **Radiology** 1984 May;151(2):319–22

[Localization of normal renal pelvis and ureter in plain abdominal film] Qiang YZ. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):630–2 (Eng. Abstr.) **(Chi)**

SURGERY

Urinary reconstruction in renal transplantation [letter] Nghiem DD. **Ann Surg** 1983 Nov;198(5):670–2

The indwelling ureteric stent—the Bristol experience. Ball AJ, et al. **Br J Urol** 1983 Dec;55(6):622–5

Management of total ureteral loss after kidney transplantation. Toguri AG, et al. **Can J Surg** 1983 Nov; 26(6):498–9

A prospective trial of operative versus non-operative treatment of severe vesico-ureteric reflux: 2 years' observation in 96 children. The Birmingham Reflux Study Group. **Contrib Nephrol** 1984;39:169–85

Vesicoureteral reflux: a comparison of non-surgical and surgical management. Bellinger MF, et al. **Contrib Nephrol** 1984;39:81–93

Calyco-ureteroplasty in the management of selected renal calculi. Sharma SK, et al. **Eur Urol** 1983;9(5):288–91

Abnormal patterns of colonic mucin secretion after ureterosigmoidostomy. Marcheggiano A, et al. **Hum Pathol** 1984 Jul;15(7):647–50

Autogenous vein graft to restore ureteric continuity in dogs. Chatterjee D, et al. **Int Surg** 1983 Jul–Sep;68(3):249–51

Ureterocystoneostomy in urinary tuberculosis: a personal technique. Fagioli A, et al. **Ital J Surg Sci** 1984;14(1):65–9

Renal and ureteral operations via a posterior approach. Surabote A. **J Med Assoc Thai** 1983 Jun;66(6):364–5

Ureterostomy in situ as an aid to reconstructive urologic surgery. Bellinger MF. **J Urol** 1984 May;131(5):950–2

The effect of ureteroperitoneostomy on renal mass in fasted rats. Gittes GK, et al. **J Urol** 1984 Jun;131(6):1206–7

Ammoniagenic coma following ureterosigmoidostomy. Kaufman JJ. **J Urol** 1984 Apr;131(4):743–5

Calculus formation in renal transplant patients. Motayne GG, et al. **J Urol** 1984 Sep;132(3):448–9

Conservative treatment of lower ureteral tumor: modified ureteroneocystostomy for upper urinary tract endoscopic control. Pagano F. **J Urol** 1984 Sep;132(3):555–7

Osteomalacia due to ileal replacement of ureters: report of 2 cases. Salahudeen AK, et al. **J Urol** 1984 Feb;131(2):335–7

Ureterosigmoidostomy: a useful technique. Husain MS, et al. **JPMA** 1983 Jun;33(6):133–5

A new technique for end-to-end ureterostomy in the rat, using an indwelling reabsorbable stent. Carmignani G, et al. **Microsurgery** 1983;4(4):229–32

Management of urologic transplant complications by utilization of the host ureter. Waltzer WC, et al. **Transplant Proc** 1983 Dec;15(4):2152–6

Complications of megaureter surgery. Kelalis PP, et al. **Urol Clin North Am** 1983 Aug;10(3):417–22

The posterior lumbotomy. Pansadoro V. **Urol Clin North Am** 1983 Aug;10(3):573–9

Long-term results of prosthetic ureteral replacement in minipigs. Homann W, et al. **Urol Int** 1984;39(2):95–9

Segmental ureteric replacement: an animal study using a free non-pedicled graft. Somerville JJ, et al. **Urol Res** 1984; 12(2):115–9

Overcoming pitfalls in placement of ureteral stents. Jacobo EC, et al. **Urology** 1984 Jun;23(6):589

Use of ureter of nonfunctioning renal unit in pediatric urinary reconstruction. Noe HN, et al. **Urology** 1984 Feb; 23(2):144–7

Percutaneous ureteral surgery and stenting. Smith AD. **Urology** 1984 May;23(5 Spec No):37–42

Ileal segment replacement of ureter. I. Effects on kidney of refluxing vs nonrefluxing ileovesical anastomosis. Vatandaslar F, et al. **Urology** 1984 Jun;23(6):549–58

Ileal segment replacement of ureter. II. Dynamic characteristics of refluxing, nonrefluxing, and totally tapered ileal ureter. Vatandaslar F, et al. **Urology** 1984 Jun; 23(6):559–64

Neo-ureter made from renal pelvis – a new method for treatment of giant hydronephrosis. Kheradpir MH. **Z Kinderchir** 1983 Oct;38(5):361–2

[Ureterorrhaphy] Jarolím L. **Cas Lek Cesk** 1983 Dec 2; 122(48):1493–5 (Eng. Abstr.) **(Cze)**

[The Boari patch employed in the treatment of iatrogenic injuries of the ureter] Klaaborg KE, et al. **Ugeskr Laeger** 1983 Dec 5;145(49):3829–30 (Eng. Abstr.) **(Dan)**

[Ureterocalicostomy—reserved for special cases] Gleissner J, et al. **Urologe [Ausg A]** 1984 Jul;23(4):223–5 (Eng. Abstr.) **(Ger)**

[Ileo-ureteral reflux after urinary diversion through an ileal conduit] van Poppel H, et al. **Urologe [Ausg A]** 1983 Nov; 22(6):446–9 (Eng. Abstr.) **(Ger)**

[Retrograde catheterization of the ureter and pyelography using bladder puncture with a special trocar following Cohen's procedure for anti-reflux surgery] Lamesch A. **Z Kinderchir** 1983 Aug;38(4):272–3 (Eng. Abstr.) **(Ger)**

[Substitution of the common bile duct in the rat: use of a vascularized ureter] Bargoni A, et al. **Chir Patol Sper** 1982 Oct;30(5):151–9 (Eng. Abstr.) **(Ita)**

[Cutaneous ureterostomy using vaginal cuff for experimental split renal function studies] Hiratsuka Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):547–54 (Eng. Abstr.) **(Jpn)**

[One-stage repair of severe penoscrotal hypospadias] Koyanagi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1440–6 (Eng. Abstr.) **(Jpn)**

[Experimental study on an artificial ureter using EPTFE (expanded polytetrafluoroethylene)] Miwa M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):930–44 (Eng. Abstr.) **(Jpn)**

[Ureterocalicostomy. Results of operations performed at the Urologic Clinic of the Medical Academy in Warsaw] Kuzaka B. **Pol Tyg Lek** 1983 Jun 20;38(25):749–51 (Eng. Abstr.) **(Pol)**

[Juxta-vesical ureterolithotomy with intubation of the distal part of the ureter without opening the urinary bladder] Marković B, et al. **Acta Chir Iugosl** 1983;30(2):245–52 (Eng. Abstr.) **(Ser)**

[Ureterolithotomy by vaginal approach] Abelardo Solís W. **Actas Urol Esp** 1984 May–Jun;8(3):211–6 (Eng. Abstr.) **(Spa)**

[Ureteral stripping] Batlle Meler G, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):32–42 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

The ureter in renal transplantation. Rezníček J, et al. **Int Urol Nephrol** 1984;16(1):69–76

Ileal ureter and renal autotransplantation. Olsson CA. **Urol Clin North Am** 1983 Nov;10(4):685–97

Case profile: pseudodiverticulum of transplant ureter. Nachtsheim DA, et al. **Urology** 1984 Jun;23(6):604–5

ULTRASTRUCTURE

Fibromuscular tissue complex in the pyeloureteral segment as a cause of idiopathic hydronephrosis. Tucak A, et al. **Acta Med Iugosl** 1983;37(4):295–305

Degeneration and phagocytosis of smooth muscle cells in the neonatal rat ureter. Hoyes AD, et al. **J Anat** 1983 Oct; 137 (Pt 3):583–9

Atypical cristae (paracrystalline inclusions) in mitochondria of epithelial cells of the rat ureter. I. Ultrastructural features. Barastegui CA, et al. **J Submicrosc Cytol** 1984 Apr;16(2):299–305

[Malacoplakia. Contribution of electron microscopy. Apropos of a case with vesicoureteral localization] Bellocq JP, et al. **Arch Anat Cytol Pathol** 1984;32(1):30–6 (Eng. Abstr.) **(Fre)**

URETERAL CALCULI

BLOOD

[Antithrombin III and indicators of heparin resistance in patients with urinary calculi] Mazyrko AV. **Ter Arkh** 1983; 55(8):102–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

An unusual case of spontaneous rupture of the ureter presenting as an acute abdomen. Umpleby HC. **Br J Urol** 1983 Oct;55(5):574–5

Calculus anuria in a 20 months old child. Narasimharao KL, et al. **Indian J Pediatr** 1983 Mar–Apr;50(403):231–2

[Treatment of hydronephrosis caused by ureteric stone obstruction with activating blood circulation and removing stasis method] Zhang Z. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):334–7 (Eng. Abstr.) **(Chi)**

[Spontaneous urinary extravasation in the retroperitoneum due to ureteral calculi obstruction] Pomer S, et al. **Z Urol Nephrol** 1983 Dec;76(12):775–81 (Eng. Abstr.) **(Ger)**

[Calculosis in ureterocele. Description of 2 cases] Tenaglia R, et al. **Minerva Urol** 1983 Oct–Dec;35(4):309–13 (Eng. Abstr.) **(Ita)**

[Correction of electrolyte imbalance by treatment with covalitin in renoureteral lithiasis of the oxalic type] Poenaru A, et al. **Rev Med Interna [Med Interna]** 1983 Sep–Oct; 35(5):471–6 (Eng. Abstr.) **(Rum)**

[Association between urinary salmonellosis and reno–ureteral lithiasis] Avila Padilla J, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):135–6 (Eng. Abstr.) **(Spa)**

[Extravasation of contrast during endovenous urography in patients with nephritic colic. Report of a case] Roa Luzuriaga JM. **Arch Esp Urol** 1984 Mar–Apr;37(2):155–62 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Donor ureteric calculus presenting as acute rejection in a renal transplant recipient. Donnelly PK, et al. **Br Med J [Clin Res]** 1984 Jun 30;288(6435):1961–2

The sonographic visualization of the vesico–ureteral junction. Marchal GJ, et al. **Computertomographie** 1982 Jun;2(2):62–7

Silent giant ureteric calculus in a child (a case report). Yadav K, et al. **J Postgrad Med** 1984 Jan;30(1):60–1

DRUG THERAPY

Dissolution of uric acid calculi. Rodman JS, et al. **J Urol** 1984 Jun;131(6):1039–44

[Choreito and Shakuyakukanzoto: their effects on facilitating the voiding of stones in the urinary tract] Washizuka M, et al. **Hinyokika Kiyo** 1983 Jan;29(1):83–6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Calculus formation in renal transplant patients. Motayne GG, et al. **J Urol** 1984 Sep;132(3):448–9

IMMUNOLOGY

[Clinico–immunological studies in patients with urolithiasis] Bkhatta AD, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb; (1):40–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Composition of upper urinary tract calculi stratifying by X-ray diffraction in 31 cases. Dong DX, et al. **Acta Acad Med Wuhan** 1984;4(1):37–40

OCCURRENCE

[Clinical statistics in the Outpatient Clinic of the Department of Urology, Kyoto University Hospital, 1977–1982] Yoshida O, et al. **Hinyokika Kiyo** 1983 Aug;29(8):979–89 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

A comparative study on the analgesic effects of indomethacin and hydromorphinechloride-atropine in acute, ureteral-stone pain. Udén P, et al. **Acta Chir Scand** 1983; 149(5):497–9

Experimental study of ureteral calculus disease: effects of calculus size, obstruction and hydration. Algood CB, et al. **J Urol** 1983 Nov;130(5):999–1004

The significance of fluid restriction in indomethacin treatment of pain from ureteral stone. Grenabo L, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:39–40

How does a fall in pelvic pressure influence the passage of a ureteral stone? Holmlund D. **Scand J Urol Nephrol [Suppl]** 1983;75:41

Conventional methods of treating pain from ureteral stone. Risholm L. **Scand J Urol Nephrol [Suppl]** 1983;75:29–30

Clinical experience of indomethacin in pain from ureteral stone. Sjödin JG. **Scand J Urol Nephrol [Suppl]** 1983; 75:35–6

[Radionuclide determination of renal clearance equivalent to physiological clearance measurements] Junges R. **ROFO** 1983 Dec;139(6):683–90 (Eng. Abstr.) **(Ger)**

[Characteristics of the osmoregulatory function of the kidneys in urolithiasis in the pre- and postoperative period] Tkachuk VN, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb; (1):63–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Seed calculi an ectopic ureterocele: a case report. Curcio CM, et al. **J Urol** 1983 Dec;130(6):1165–6

SURGERY

Percutaneous ultrasonic lithotripsy. LeRoy AJ, et al. **AJR** 1984 Oct;143(4):785–8

Percutaneous extraction of renal and ureteral calculi: technical considerations. Pollack HM, et al. **AJR** 1984 Oct; 143(4):778–84

Transurethral ureteroscopic retrieval of ureteric stones. Ford TF, et al. **Br J Urol** 1983 Dec;55(6):626–8

Endoscopic surgery of calculi in ureteroceles. Rodriguez JV. **Eur Urol** 1984;10(1):36–9

The advantages of bilateral simultaneous stone removal from the upper urinary tract. Remzi D, et al. **Int Urol Nephrol** 1984;16(1):13–6

Percutaneous removal of stones in the kidney and ureter. Schoborg TW, et al. **J Med Assoc Ga** 1983 Sep;72(9):615–9

Percutaneous nephrolithotomy: extraction of renal and ureteral calculi from 100 patients. Clayman RV, et al. **J Urol** 1984 May;131(5):868–71

Percutaneous lithotripsy. Segura JW, et al. **J Urol** 1983 Dec; 130(6):1051–4

Fluoroscopically guided percutaneous extraction of upper urinary tract calculi. Banner MP, et al. **Radiol Clin North Am** 1984 Jun;22(2):415–26

Percutaneous nephrostomy for stone removal. LeRoy AJ, et al. **Radiology** 1984 Jun;151(3):607–12

Surgery of upper tract calculi in children. Caldamone AA. **Urol Clin North Am** 1983 Nov;10(4):645–8

Ureteral stones. Cohen JD, et al. **Urol Clin North Am** 1983 Nov;10(4):699–708

Posterior lumbotomy: surgery for upper tract calculi. Gittes RF, et al. **Urol Clin North Am** 1983 Nov;10(4):625–8

Surgical approaches to renal and ureteral calculi. Kropp KA. **Urol Clin North Am** 1983 Nov;10(4):617–23

Ileal ureter and renal autotransplantation. Olsson CA. **Urol Clin North Am** 1983 Nov;10(4):685–97

Extravesical transmural ureterolithotomy. Rosemberg SK. **Urology** 1984 Apr;23(4):336–9

Percutaneous ultrasonic lithotripsy. Segura JW, et al. **Urology** 1984 May;23(5 Spec No):7–10

Percutaneous ureteral surgery and stenting. Smith AD. **Urology** 1984 May;23(5 Spec No):37–42

[Ureteral lithiasis: excision by ureteroscopy] Chailley J, et al. **J Urol (Paris)** 1983;89(9):639–41 (Eng. Abstr.) **(Fre)**

[Percutaneous extraction of urinary stone] Chiba Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1758–64 (Eng. Abstr.) **(Jpn)**

[Hydronephrotic transformation and nephro–ureterolithiasis in children] Murvanidze DD, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):18–21 (Eng. Abstr.) **(Rus)**

[Juxta–vesical ureterolithotomy with intubation of the distal part of the ureter without opening the urinary bladder] Marković B, et al. **Acta Chir Iugosl** 1983;30(2):245–52 (Eng. Abstr.) **(Scr)**

[Ureterolithotomy by vaginal approach] Abelardo Solís W. **Actas Urol Esp** 1984 May–Jun;8(3):211–6 (Eng. Abstr.) **(Spa)**

THERAPY

Percutaneous ultrasonic lithotripsy (PUL): kidney stone disintegration. Bass RB Jr, et al. **Ala Med** 1984 Mar; 53(9):17, 19

Percutaneous removal of renal calculi. Burns JR. **Ala Med** 1984 Mar;53(9):11–4

The lithotrity of stones in the ureter under visual control. Matouschek E. **Eur Urol** 1984;10(1):60–1

Ureteroscopic stone removal: early experience in a rural Tennessee community hospital. Marsidi PJ, et al. **J Tenn Med Assoc** 1984 Aug;77(8):449–50

Dissolution of uric acid calculi with systemic alkalization. Kursh ED, et al. **J Urol** 1984 Aug;132(2):286–7

Ultrasonic renal lithotripsy. Single-stage percutaneous technique and adjuvant radiological procedures. Bush WH, et al. **Radiology** 1984 Aug;152(2):387–9

Percutaneous urolithotomy: the use of balloon catheters as an adjunct. Pollack HM, et al. **Radiology** 1984 Jul; 152(1):213–4

Shock wave treatment for stones in the upper urinary tract. Chaussy C, et al. **Urol Clin North Am** 1983 Nov; 10(4):743–50

Transurethral ureteral stone manipulation. Drach GW. **Urol Clin North Am** 1983 Nov;10(4):709–17

Disintegration of renal and ureteral calculi with ultrasound. Marberger M. **Urol Clin North Am** 1983 Nov;10(4):729–42

Percutaneous renal and ureteral stone removal. Kerlan RK Jr, et al. **Urol Radiol** 1984;6(2):113–23

Percutaneous extraction of upper urinary tract calculi. Pollack HM, et al. **Urol Radiol** 1984;6(2):124–37

Ultrasonic and electrohydraulic lithotripsy of ureteral calculi. Goodfriend R. **Urology** 1984 Jan;23(1):5–8

Ureteral injury from ureteroscopic stone manipulation. Kaufman JJ. **Urology** 1984 Mar;23(3):267–9

Loop catheter extraction of ureteral stones: a re-evaluation. Lynn JM, et al. **Urology** 1983 Sep;22(3):243–5

Ureteral balloon dilatation and stone basketing. Rutner AB. **Urology** 1984 May;23(5 Spec No):44–53

[Effect of magnetized water on urinary calculi: an experimental and clinical study] Zhang YS, et al. **Acta Acad Med Wuhan** 1984;4(1):31–7 (Eng. Abstr.) **(Ger)**

[Operative ureterorenoscope for the use of ultrasound and calculus extraction] Bichler KH, et al. **Urologe [Ausg A]** 1984 Mar;23(2):99–104 (Eng. Abstr.) **(Ger)**

[Glucagon and water overload as medical therapy for the spontaneous expulsion of ureteral calculi] Falco E, et al. **Minerva Urol** 1983 Apr–Jun;35(2):153–6 (Eng. Abstr.) **(Ita)**

[Choice of method of calculi–eliminating therapy in patients with ureterolithiasis] Krasulin VV, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):37–42 (24 ref.) (Eng. Abstr.) **(Rus)**

[Litholysis of occlusive urate calculi using a stent] Morozov AV, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):36–40 (Eng. Abstr.) **(Rus)**

[Sound–wave stimulation of the upper urinary tract in ureteral calculi] Riabinskiĭ VS, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):45–9 (Eng. Abstr.) **(Rus)**

[Direct electric stimulation of the upper urinary tract in ureteral calculi in pilots] Gus'kov AR. **Voen Med Zh** 1983 Aug;(8):52–4 **(Rus)**

[Combined treatment of patients with urate and urate–oxalate ureteral calculi] Li AA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep–Oct; (5):49–50 **(Rus)**

[Our first clinical experiences with extracorporeal lithotripsy by shock waves in the treatment of urolithiasis] Moncada Ochoa J, et al. **Arch Esp Urol** 1984 May–Jun;37(3):217–23 (Eng. Abstr.) **(Spa)**

URETERAL DISEASES

[Uretero–vaginal fistulas. Considerations on 15 cases] Filimon C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun; 87(2):225–9 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Practical management of patients with dilated upper tracts and chronic retention of urine. George NJ, et al. **Br J Urol** 1984 Feb;56(1):9–12

Spontaneous nephrocolic fistula: causal association with urinary bilharziasis. Elem B, et al. **Cent Afr J Med** 1984 May;30(5):77–80

[A case of sudden gross hematuria caused by an iliac artery–ureteral fistula] Akaba N, et al. **Nippon Geka Gakkai Zasshi** 1983 Jul;84(7):648–53 (Eng. Abstr.) **(Jpn)**

CONGENITAL

[On renal function and structure in ureterovesical junction anomalies—with special reference to the genesis of renal dysplasia] Gotoh T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1493–508 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Urodynamic approach of the upper urinary tract by percutaneous puncture nephrostomy. Coolsaet BL. **Acta Urol Belg** 1983;51(4):458–72

Ureteroscopy with rigid instruments in the management of distal ureteral disease. Goodman TM. **J Urol** 1984 Aug; 132(2):250–3

[Sonography of the uretero–vesical junction and the urinary bladder in children] Ponhold W, et al. **Digitale Bilddiagn** 1984 Mar;4(1):26–31 (Eng. Abstr.) **(Ger)**

[Differential indications for sonography, 5. Ultrasound study: the kidneys and ureters, adrenal glands] Cabell R. **MMW** 1983 Sep 16;125(37):102–5 **(Ger)**

[A case report of asynchronous bilateral non–specific segmental ureteritis] Takeuchi T, et al. **Hinyokika Kiyo** 1984 Mar;30(3):397–401 (Eng. Abstr.) **(Jpn)**

[Cystic pyeloureteritis. 2 new cases] López Rodríguez LM, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):285–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Intravenous indomethacin in the treatment of ureteric colic. A clinical multicentre study with pethidine and metamizol as the control preparations. Lehtonen T, et al. **Ann Clin Res** 1983;15(5–6):197–9

Diclofenac sodium in ureteral colic: a double-blind comparison trial with placebo. Vignoni A, et al. **J Int Med Res** 1983;11(5):303–7

The treatment of ureteral colic and biliary pain — a symposium with special reference to the use of indomethacin. **Scand J Urol Nephrol [Suppl]** 1983;75:1–64

Intravenous indomethacin in the treatment of ureteral colic: a multicenter pilot study. Lehtonen T, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:37–8

Clinical experience of indomethacin in pain from ureteral stone. Sjödin JG. **Scand J Urol Nephrol [Suppl]** 1983; 75:35–6

ETIOLOGY

Ureteral strictures and fistulae following radical hysterectomy. Hatch KD, et al. **Gynecol Oncol** 1984 Sep; 19(1):17–23

The ureter in renal transplantation. Rezníček J, et al. **Int Urol Nephrol** 1984;16(1):69–76

Oil granuloma of the ureter. Albers DD, et al. **J Urol** 1984 Jul;132(1):114

Ureteroarterial and ureterosigmoid fistula associated with polyethylene indwelling ureteral stents. Kar A, et al. **J Urol** 1984 Oct;132(4):755–7

Ureteral common iliac artery fistula: a complication of internal double-J ureteral stent. Smith RB. **J Urol** 1984 Jul;132(1):113

Ureteroarterial fistula: a case report. Toolin E, et al. **J Urol** 1984 Sep;132(3):553–4

Animal model of megaureter. Yamaguchi O, et al. **Tohoku J Exp Med** 1983 Sep;141(1):119–20

Buckshot colic. Bertini JE Jr, et al. **Urology** 1984 Feb; 23(2):167–9

[Ureteral complications of pelvic surgery. Apropos of 21 cases] Dauplat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(4):385–94 (Eng. Abstr.) **(Fre)**

[Ureteral stenosis caused by epidermoid metaplasia of the urothelium] Gagnon J, et al. **J Radiol** 1984 Mar;65(3):207–9 (Eng. Abstr.) **(Fre)**

[Malignant tumorous urogenital fistula. Apropos of 19 cases] Filimon C, et al. **J Urol (Paris)** 1983;89(8):573–9 (Eng. Abstr.) **(Fre)**

[A case of inflammatory dilatation of the upper urinary tract in a child as a late complication of the surgical treatment of vesico-ureteral reflux] Gruchalski J, et al. **Wiad Lek** 1983 Nov 15;36(22):1895–8 (Eng. Abstr.) **(Pol)**

[Ureteral complications after aorto-ilio-femoral surgery. Review of 46 cases] Muruamendiaraz V, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):17–31 (Eng. Abstr.) **(Spa)**

METABOLISM

The contents of contractile proteins in the normal and dilated ureter. Yamaguchi O, et al. **Tohoku J Exp Med** 1983 Sep; 141(1):121–2

OCCURRENCE

Ureteral and biliary colic in an emergency out-patient department. Fritjofsson A, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:23

Ureteral colic. Epidemiologic and therapeutic aspects. Fritjofsson A. **Scand J Urol Nephrol [Suppl]** 1983;75:21–2

[Ureteral diseases in children, with special reference to vesico-ureteral reflux] Azuma Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):894–5 **(Jpn)**

PATHOLOGY

Localized amyloidosis of the ureter. Miller R, et al. **J Urol** 1984 Jan;131(1):112–3

Localized amyloidosis of the ureter. Robinson CR, et al. **J Urol** 1984 Jan;131(1):110–1

Localized primary amyloidosis of the ureter. Willén R, et al. **Scand J Urol Nephrol** 1983;17(3):385–9

[Retrograde brush biopsy of the kidney pelvis and ureters] Gill W. **Urologe [Ausg A]** 1983 Sep;22 Suppl:372–8 (Eng. Abstr.) **(Ger)**

[Localized amyloidosis of the ureter: report of a case] Yagi M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):227–32 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The pathophysiology of ureteral colic. Holmlund D. **Scand J Urol Nephrol [Suppl]** 1983;75:25–7

RADIOGRAPHY

Long blind-ending bifid ureter. Nishimura T, et al. **Br J Urol** 1983 Oct;55(5):578–9

Rudimentary branched ureter with blind-ending. Kersschot E, et al. **J Belge Radiol** 1983;66(1):47–9

Ureteritis and pyelitis emphysematosa in a neonate. Ohba S, et al. **Pediatr Radiol** 1984;14(2):116–7

Case profile: pseudodiverticulum of transplant ureter. Nachtsheim DA, et al. **Urology** 1984 Jun;23(6):604–5

[Multiple ureteral diverticula. A new case (letter)] Sansot M, et al. **Presse Med** 1984 Mar 3;13(9):566 **(Fre)**

[Megaureters in adults] Nakamura M, et al. **Hinyokika Kiyo** 1983 Aug;29(8):931–6 (Eng. Abstr.) **(Jpn)**

[Interstitial infiltration in the kidney (pyelo-interstitial reflux)] Puigvert A. **Arch Esp Urol** 1983 Mar–Apr; 36(2):67–75 (Eng. Abstr.) **(Spa)**

SURGERY

Cystic pyeloureteritis. Rózsahegyi G, et al. **Acta Chir Hung** 1983;24(2):89–95

Antegrade ureteral stenting for dehiscence, strictures, and fistulae. Lang EK. **AJR** 1984 Oct;143(4):795–801

Management of total ureteral loss after kidney transplantation. Toguri AG, et al. **Can J Surg** 1983 Nov; 26(6):498–9

Psoas-hitch ureteroneocystostomy: experience with 181 cases. Riedmiller H, et al. **Eur Urol** 1984;10(3):145–50

Ureterocystoneostomy in urinary tuberculosis: a personal technique. Fagioli A, et al. **Ital J Surg Sci** 1984;14(1):65–9

Duodenoureteral fistula. McElwee TB, et al. **South Med J** 1983 Dec;76(12):1587–8

[Surgical treatment of megaureter in childhood] Dvořáček J, et al. **Rozhl Chir** 1983 Oct;62(10):678–84 (Eng. Abstr.) **(Cze)**

[Treatment of schistosomal ureteral stenosis by uretero-ileoplasty (32 cases)] Cornet L, et al. **Chirurgie** 1983;109(4):297–305 (Eng. Abstr.) **(Fre)**

[Primary and secondary megaureter in children. Indication and results of surgical correction] Walz PH, et al. **Urologe [Ausg A]** 1983 Nov;22(6):396–400 (Eng. Abstr.) **(Ger)**

[Transureteral ureteronephrostomy—a possibility for palliative supravesical urinary diversion] Matz M, et al. **Z Urol Nephrol** 1984 Jan;77(1):41–6 (Eng. Abstr.) **(Ger)**

[Excretory behavior in transureteral ureterostomy with unilateral definitive nephrostomy (TUUS II)] Oehler D, et al. **Z Urol Nephrol** 1984 Jan;77(1):31–40 (Eng. Abstr.) **(Ger)**

[A case of amyloidosis of the ureter] Iizumi T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):45–51 (Eng. Abstr.) **(Jpn)**

[Renal autotransplantation in urinary reconstructive surgery] Ono Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct; 74(10):1784–8 (Eng. Abstr.) **(Jpn)**

[Rare postoperative complication in surgery of the ureterovesical junction] Rodó Salas J, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):57–60 (Eng. Abstr.) **(Spa)**

THERAPY

Transluminal balloon dilation of ureteral strictures. Finnerty DP, et al. **J Urol** 1984 Jun;131(6):1056–60

Ureteroscopy with rigid instruments in the management of distal ureteral disease. Goodman TM. **J Urol** 1984 Aug; 132(2):250–3

Antegrade ureteral stenting in the management of fistulas, strictures, and calculi. Mitty HA, et al. **Radiology** 1983 Nov; 149(2):433–8

Conventional methods of treating pain from ureteral stone. Risholm L. **Scand J Urol Nephrol [Suppl]** 1983;75:29–30

VETERINARY

Ureteral obstruction associated with proliferative ureteritis in a dog. Crawford MA, et al. **J Am Vet Med Assoc** 1984 Mar 1;184(5):586–8

Post spaying vaginal discharge in a bitch caused by acquired vaginoureteral fistula. De Baerdemaecker GC. **Vet Rec** 1984 Jul 21;115(3):62

URETERAL NEOPLASMS

Fibroepithelial polyps of the ureter. Bahnson RR, et al. **J Urol** 1984 Aug;132(2):343–4

BLOOD

A comparison of clinical course with blood group antigen testing by specific red cell adherence and immunoperoxidase in ureteral and renal pelvic tumors. King CT, et al. **J Urol** 1983 Nov;130(5):871–3

COMPLICATIONS

Transitional cell papilloma of the ureter causing hydronephrosis in a child. Punjani HM. **Br J Urol** 1983 Oct;55(5):572–3

Extravasation in ureteral tumours. Ali Khan S, et al. **Int Urol Nephrol** 1983;15(2):143–8

Transitional cell carcinoma occurring in ureterocele. Heyman J, et al. **Urology** 1984 Aug;24(2):175–7

[Bilateral asynchronous ureteral tumors associated with a horseshoe kidney: a case report] Hosokawa S, et al. **Hinyokika Kiyo** 1984 Feb;30(2):199–203 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Inverted papilloma of ureter. Embon OM, et al. **Eur Urol** 1984;10(2):139–40

Sheathed catheter system for fluoroscopically guided retrograde catheterization, and brush and forceps biopsy of the upper urinary tract. Lieberman RP, et al. **J Urol** 1984 Mar;131(3):450–3

Tumors of the renal pelvis and ureter: current concepts and management. McCarron JP, et al. **Semin Urol** 1983 Feb; 1(1):75–81

Inverted papilloma of ureter. Naito S, et al. **Urology** 1983 Sep;22(3):290–1

[Transitional cell carcinoma of the proximal ureter in schistosomiasis] Eisenkraft S, et al. **Harefuah** 1983 Jul; 105(1–2):20–2 (Eng. Abstr.) **(Heb)**

[A clinical survey on 24 cases of primary ureteral tumors] Arima K, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1019–25 (Eng. Abstr.) **(Jpn)**

[Lavage cytology studies in the diagnosis of urothelial tumors of the upper urinary tract] Donovski L, et al. **Khirurgiia (Sofiia)** 1983;36(6):547–51 (Eng. Abstr.) **(Rus)**

[Primary benign tumor of the ureter] Artemova LG, et al. **Urol Nefrol (Mosk)** 1984 May–Jun;(3):63–4 **(Rus)**

[Diagnosis with intracavitary echography of a tumor of the terminal ureter] Boronat F, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):65–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Bilateral primary carcinoma of the ureter: topical intraureteral thiotepa. Powder JR, et al. **J Urol** 1984 Aug; 132(2):349–52

[Combination chemotherapy of advanced transitional cell carcinoma with cis-platinum, cyclophosphamide, adriamycin and 5-fluorouracil (CISCAF)] Fujioka H, et al. **Gan To Kagaku Ryoho** 1984 Aug;11(8):1612–6 (Eng. Abstr.) **(Jpn)**

[A study of post-operative chemotherapy for renal pelvic and ureteral tumors] Numasawa K, et al. **Gan To Kagaku Ryoho** 1984 Jul;11(7):1501–5 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Detection of cell surface antigen in cancer of renal pelvis and ureter. Lippert M, et al. **Urology** 1983 Oct;22(4):366–8

MORTALITY

Prognostic validity of the specific red cell adherence test in upper urothelial tumours. Ghazizadeh M, et al. **Br J Urol** 1983 Oct;55(5):473–6

PATHOLOGY

Primary carcinoma of the renal pelvis and ureter. Evaluation of clinical and pathologic features. Strobel SL, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):697–700

Inverted papilloma of the ureter. Jacobellis U, et al. **Eur Urol** 1983;9(6):370–1

Inverted papilloma of the upper urinary tract. Lausten GS, et al. **Eur Urol** 1984;10(1):67–70

Carcinosarcoma of the ureter. Yano S, et al. **Eur Urol** 1984; 10(1):71

Histiocytic lymphoma with invasion of renal vein and vena cava: a case report. Elliott JP Jr, et al. **J Miss State Med Assoc** 1984 Jun;25(6):147–9

UM-UC-1 and UM-UC-2: characterization of two new human transitional cell carcinoma lines. Grossman HB, et al. **J Urol** 1984 Oct;132(4):834–7

Adenocarcinoid tumor, goblet cell type, arising in a ureteroileal conduit: a case report. Kochevar J. **J Urol** 1984 May;131(5):957–9

Nephrogenic adenoma of the ureter. Satodate R, et al. **J Urol** 1984 Feb;131(2):332–4 (17 ref.)

Postmenopausal ureteral endometriosis with atypical adenomatous hyperplasia following hysterectomy, bilateral oophorectomy, and long-term estrogen therapy. Kapadia SB, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):60S–63S

Fibroepithelial polyp of the ureter. Nauclér J, et al. **Scand J Urol Nephrol** 1983;17(3):379–83

Proliferative activity of urothelium and tumors of renal pelvis, ureter, and urinary bladder evaluated by thymidine labeling. Sufrin G, et al. **Urology** 1984 Mar;23(3 Suppl):15–22

[Fibroma of the ureter] Nathan M, et al. **Urologe [Ausg A]** 1983 Sep;22(5):287–9 (Eng. Abstr.) **(Ger)**

[Ureteral polyp in childhood: a case report] Katoh S, et al. **Hinyokika Kiyo** 1983 Jan;29(1):53–7 (Eng. Abstr.) **(Jpn)**

[Inverted papilloma of the ureter] Arrufat JM, et al. **Actas Urol Esp** 1983 May–Jun;7(3):225–8 (Eng. Abstr.) **(Spa)**

[Ureteral fibroepithelial polyp in an aged patient] Mercant Ramirez J, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):465–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Oncologic imaging: kidney and ureter. McClennan BL, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1683–704 (93 ref.)

Pseudotumoral ureteral kinking: a computed tomography pitfall. Parienty RA, et al. **J Comput Tomogr** 1984 Jul; 8(3):257–60

Renal arterial injury associated with percutaneous nephrostomy. Harris RD, et al. **Urology** 1984 Feb; 23(2):215–7

RADIOTHERAPY

[Primarily malignant tumors of the renal pelvis and the ureter – clinical manifestations and results of radiotherapy] Müller RP, et al. **Strahlentherapie** 1983 Oct;159(10):595–601 (Eng. Abstr.) **(Ger)**

SECONDARY

Renal failure from metastatic breast carcinoma reversed by radiotherapy and chemotherapy. Corwin HL, et al. **Arch Intern Med** 1984 Aug;144(8):1679–81

CAT scan of the month. Gammill SL, et al. **J Tenn Med Assoc** 1983 Jul;76(7):462

Re: Should the followup of patients with bladder cancer include routine excretory urography? [letter] Soundararajan R. **J Urol** 1984 Jul;132(1):146

Oat cell carcinoma metastatic to ureter. DiPietro M, et al. **Urology** 1983 Oct;22(4):419–20

[Ureteral stenosis after treatment of uterine cervical cancer:

post-radiotherapy fibrosis or neoplastic recurrence?] Zerbib M, et al. **J Chir (Paris)** 1983 Oct;120(10):503–13 (Eng. Abstr.) **(Fre)**

[Metastatic ureteral tumor from the digestive organ: a case report] Yui Y, et al. **Hinyokika Kiyo** 1984 May;30(5):691–4 (Eng. Abstr.) **(Jpn)**

[Ureteral metastasis of carcinoma of the breast] Alonso Gorrea M, et al. **Actas Urol Esp** 1983 Nov–Dec;7(6):469–72 (Eng. Abstr.) **(Spa)**

[Metastasis of renal adenocarcinoma in the ureteral stump] Ojea A, et al. **Arch Esp Urol** 1984 May–Jun;37(3):251–3 (Eng. Abstr.) **(Spa)**

[Anuria caused by bilateral ureteral metastasis secondary to small-cell pulmonary carcinoma] Urdiales Viedma M, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):629–30 (Eng. Abstr.) **(Spa)**

SURGERY

Percutaneous double-pigtail stent placement in a case of recurrent bilateral urothelial tumours. Walker WJ. **Br J Radiol** 1983 Nov;56(671):884–7

Treatment of urothelial tumors of the upper urinary tract by nephroureterectomy, renal autotransplantation, and pyelocystostomy. Pettersson S, et al. **Cancer** 1984 Aug 1; 54(3):379–86

Conservative treatment of lower ureteral tumor: modified ureteroneocystostomy for upper urinary tract endoscopic control. Pagano F. **J Urol** 1984 Sep;132(3):555–7

Malignant involvement of the ureter. van Blerk PJ. **Surg Annu** 1983;15:261–82 (50 ref.)

[Primary tumor of the ureter—review of literature and report of 8 cases] Liu YT. **Chung Hua Chung Liu Tsa Chih** 1984 Mar;6(2):138–40 (Eng. Abstr.) **(Chi)**

[Neoplasms of the urinary tract: radical or conservative therapy?] Tenaglia R, et al. **Minerva Urol** 1983 Oct–Dec; 35(4):247–50 (Eng. Abstr.) **(Ita)**

[Conservative surgery in the treatment of tumors of the upper urinary tract. Long-term results] Tizzani A, et al. **Minerva Urol** 1983 Oct–Dec;35(4):289–90 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Scanning electron microscopy of upper urinary tract tumors. Anderström C, et al. **Cancer** 1984 Sep 1;54(5):876–81

[Ultrastructural analysis of tumors of the renal pelvis and ureter] Skaro-Milić A, et al. **Vojnosanit Pregl** 1983 Jul–Aug;40(4):266–8 **(Scr)**

URINE

[The role of urinary cytology in the diagnosis of neoplasms of the upper excretory tract. Cyto-histological correlations in 29 cases] Mincione GP, et al. **Pathologica** 1983 Mar–Apr; 75(1036):181–6 (Eng. Abstr.) **(Ita)**

[Cytogenetic study of the exfoliated cells from urothelial tumor patients: observation of chromosome of exfoliated cells] Mitsuhashi H. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):576–95 (Eng. Abstr.) **(Jpn)**

URETERAL OBSTRUCTION

[Primary obstructive megaureter in children and adults] Beurton D. **J Urol (Paris)** 1983;89(6):375–457 **(Fre)**

CHEMICALLY INDUCED

Retroperitoneal fibrosis complicating intravesical formalin therapy. Ferrie BG, et al. **J R Soc Med** 1983 Oct; 76(10):831–2

COMPLICATIONS

Ureteropelvic junction obstruction in children. White JM Jr, et al. **Am Fam Physician** 1984 Mar;29(3):211–6

Bilateral ureteral obstruction due to uric acid stones in association with immune hemolytic anemia. Schroder LE, et al. **Arch Intern Med** 1983 May;143(5):1020–1

Amyloid deposition in serosal membranes. Its occurrence with cardiac tamponade, bilateral ureteral obstruction, and gastrointestinal bleeding. Weinrauch LA, et al. **Arch Intern Med** 1984 Mar;144(3):630–2

Massive unilateral renal hematuria associated with hydronephrosis. Siminovitch JM, et al. **Cleve Clin Q** 1984 Summer;51(2):377–9

Xanthogranulomatous pyelonephritis with bilharzial ureteric obstruction. Katchy KC, et al. **East Afr Med J** 1983 Sep; 60(9):645–8

The role of percutaneous nephrostomy in gynecologic oncology. Mann WJ, et al. **Gynecol Oncol** 1983 Dec; 16(3):393–9

The association of congenital megaureter and ureteropelvic junction obstruction. Waltzer WC. **Int Urol Nephrol** 1983; 15(3):237–44

Ureteropelvic junction obstruction with associated renal anomalies. Das S, et al. **J Urol** 1984 May;131(5):872–4

Reversible hydronephrosis in the rat: a new surgical technique assessed by radioisotopic measurements. Flam T, et al. **J Urol** 1984 Apr;131(4):796–8

Ureteral obstruction during pregnancy. Laverson PL, et al. **J Urol** 1984 Feb;131(2):327–9

Intermittent hydronephrosis: the occult ureteropelvic obstruction. Malek RS. **J Urol** 1983 Nov;130(5):863–6

The mechanism of unilateral post-obstructive diuresis. Schlossberg SM, et al. **J Urol** 1984 Mar;131(3):534–6

[Clinical and histological study of 25 cases of hydronephrosis caused by primary stenosis of the pyeloureteral junction] Bernheim J, et al. **J Urol (Paris)** 1983;89(8):555–9 (Eng. Abstr.) **(Fre)**

[Experimental model of hydronephrosis caused by partial ureteral obstruction] Ikeda A. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1086–97 (Eng. Abstr.) **(Jpn)**

[Case of acute renal failure due to extrinsic ureteral obstruction induced by pelvic endometriosis] Kitamura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1687–91 (Eng. Abstr.) **(Jpn)**

[Infantile renal failure caused by obstructive uropathy] Kawamura T, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul; 25(7):899 **(Jpn)**

[Use of 'internal drainage' of the kidneys in the emergency treatment of conditions caused by acute supravesicular urine retention] Morozov AV. **Urol Nefrol (Mosk)** 1984 May–Jun;(3):13–5 (Eng. Abstr.) **(Rus)**

[Anatomic and functional disorders of the kidneys and urinary tract in children with pyelonephritis] Tereshchenko AV, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):57–9 (16 ref.) (Eng. Abstr.) **(Rus)**

CONGENITAL

Acute renal failure in pregnancy associated with solitary kidney, congenital ureteropelvic junction obstruction, and renal cortical cyst. Bandy LC, et al. **South Med J** 1984 Aug;77(8):1056–7

[Morphological studies of renal tissues in congenital urinary tract obstruction] Shimada K, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):895–7 **(Jpn)**

DIAGNOSIS

Evaluation of obstructive uropathy in children: radionuclide renography vs. the Whitaker test. Senac MO Jr, et al. **AJR** 1984 Jul;143(1):11–5

Urinary tract malformations: prenatal diagnosis and neonatal follow-up by sonography. Tomà P, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):215–22 **(Eng, Fre)**

The echography of pelvi-ureteric junction obstruction in children. Metreweli C, et al. **Clin Radiol** 1983 Sep; 34(5):547–50

The sonographic visualization of the vesico-ureteral junction. Marchal GJ, et al. **Computertomographie** 1982 Jun;2(2):62–7

Prenatal diagnosis of unilateral hydronephrosis with early postnatal reconstruction. Mandell J, et al. **J Urol** 1984 Aug; 132(2):303–7

Re: Ureteropelvic junction obstruction: role of newer diagnostic methods [letter] Vela-Navarette R. **J Urol** 1983 Nov;130(5):986

A comparison of pressure flow studies and renography in equivocal upper urinary tract obstruction. Whitaker RH, et al. **J Urol** 1984 Mar;131(3):446–9

Early detection of obstructed ureter by ultrasound following renal transplantation. McWhinnie DL, et al. **Proc Eur Dial Transplant Assoc** 1983;20:320–4

Assessment of hydroureteronephrosis by renographic evaluation under diuretic stimulus. Arap S, et al. **Urol Int** 1984;39(3):170–4

Diuretic radionuclide urography. Koff SA, et al. **Urol Radiol** 1983;5(3):189–95, 197

Intraoperative definition of ureteropelvic junction obstruction. Hanna MK. **Urology** 1984 Jun;23(6):541–2

Pelviureteric obstruction in children: kidney parenchymal area and technetium-99m diethylenetriaminepentaacetic acid renography. Vihma Y, et al. **Z Kinderchir** 1983 Jun; 38(3):173–6

[Clinical evaluation of diuresis renography] Kobayashi M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):887–96 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of pressure flow study] Kobayashi M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):877–86 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Malignant ureteric obstruction relieved by dexamethasone. Walsh TD, et al. **Postgrad Med J** 1984 Jun;60(704):437–8

Glucagon and ureteric colic. Nepper-Rasmussen J, et al. **Urol Res** 1984;12(1):23–4

[Treatment of hydronephrosis caused by ureteric stone obstruction with activating blood circulation and removing stasis method] Zhang Z. **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):334–7 (Eng. Abstr.) **(Chi)**

EMBRYOLOGY

Correction of congenital hydronephrosis in utero III. Early mid-trimester ureteral obstruction produces renal dysplasia. Glick PL, et al. **J Pediatr Surg** 1983 Dec; 18(6):681–7

ETIOLOGY

Bilateral ureteral obstruction as a complication to a perforated appendix. Report of a case. Sandermann J, et al. **Acta Chir Scand** 1983;149(5):535–6

Unilateral hydroureteronephrosis resolved by fecal disimpaction in a patient with neurogenic bladder. Delaere KP, et al. **Acta Urol Belg** 1983;51(3):289–92

Recovery of renal function after 33 days of complete bilateral ureteric obstruction. Awojobi OA, et al. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):121–3

Acute anuric bilateral ureteral obstruction in malignant lymphoma. Mekori YA, et al. **Am J Med Sci** 1984 Jan–Feb; 287(1):70–3

Ureteric obstruction after dacron vascular replacement. Thomas JM, et al. **Ann R Coll Surg Engl** 1983 Nov; 65(6):385–8

Endometriotic ureteric obstruction after hysterectomy. Tulusan AH, et al. **Arch Gynecol** 1983;234(2):149–51

Spontaneous resolution of ureteric obstruction in perianeurysmal retroperitoneal fibrosis. Robbé IJ, et al. **Br J Radiol** 1984 Jan;57(673):92–5

Ureteral strictures and fistulae following radical hysterectomy. Hatch KD, et al. **Gynecol Oncol** 1984 Sep; 19(1):17–23

A strangulated hernia through the broad ligament causing ureteric obstruction. Bates GJ, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):335

Urinary tract toxic effects of cancer therapy. Goldberg ID, et al. **J Urol** 1984 Jul;132(1):1–6 (68 ref.)

Re: Obstructive uropathy—a potentially serious complication of reconstructive vascular surgery [letter] Kaufman J. **J Urol** 1984 Apr;131(4):770

Ventriculo-peritoneal shunt pseudocyst causing ureteropelvic junction obstruction in a child with myelomeningocele and retrocaval ureter. Piercy SL, et al. **J Urol** 1984 Aug;132(2):345–8

Obstructive migration of renal calculi following cyst aspiration. Cronan JJ, et al. **Radiology** 1984 Aug; 152(2):317–9

Ureteral obstruction as a complication in aorto-iliac reconstructive surgery. Bergqvist D, et al. **Scand J Urol Nephrol** 1983;17(3):391–3

Ureteral obstruction due to massive fecal impaction. McWilliams WA, et al. **South Med J** 1984 Feb;77(2):275–6

Cystitis glandularis: an unusual cause of ureteral obstruction. Navarro JE, et al. **Urol Radiol** 1984;6(1):27–9

Ureteral obstruction from isolated focus of chronic lymphocytic leukemia. Greenstein F, et al. **Urology** 1984 Jul;24(1):70–2

Ureteral obstruction by shotgun pellet seven years after injury. Gutman H, et al. **Urology** 1984 Feb;23(2):170–2

Management of ureteropelvic junction obstruction associated with lower polar vessels. Perlberg S, et al. **Urology** 1984 Jan;23(1):13–8

[Digestive manifestations of idiopathic retroperitoneal fibrosis] Jacobs E. **Acta Gastroenterol Belg** 1983 Jul–Aug; 46(7–8):343–9 (Eng. Abstr.) **(Fre)**

[Development of iatrogenic ureteral stenosis following colon surgery] Mendes-Leal A, et al. **Acta Urol Belg** 1983; 51(3):270–5 (Eng. Abstr.) **(Fre)**

[Ureteral stenosis after treatment of uterine cervical cancer: post-radiotherapy fibrosis or neoplastic recurrence?] Zerbib M, et al. **J Chir (Paris)** 1983 Oct;120(10):503–13 (Eng. Abstr.) **(Fre)**

[Compression of the pelvic ureter by a hypogastric aneurysm] Guille F, et al. **J Urol (Paris)** 1983;89(9):635–7 (Eng. Abstr.) **(Fre)**

[Unusual benign and malignant ureteral stenosis. Causes, therapy and clinical course] Maar K, et al. **Urologe [Ausg A]** 1983 Sep;22(5):277–83 (Eng. Abstr.) **(Ger)**

[Spontaneous urinary extravasation in the retroperitoneum due to ureteral calculi obstruction] Pomer S, et al. **Z Urol Nephrol** 1983 Dec;76(12):775–81 (Eng. Abstr.) **(Ger)**

[The right ovarian vein syndrome] Serhatlić S. **Lijec Vjesn** 1983 Sep;105(9):360–4 (Eng. Abstr.) **(Scr)**

[Rare causes of ureteral compression] Skutil V, et al. **Bratisl Lek Listy** 1984 Apr;81(4):461–4 (Eng. Abstr.) **(Slo)**

[Blocked renal function secondary to aortic aneurysm] Franco Miranda E, et al. **Actas Urol Esp** 1983 Jul–Aug; 7(4):309–12 (Eng. Abstr.) **(Spa)**

[The ovarian vein syndrome] Monsalve Rodríguez M, et al. **Actas Urol Esp** 1984 Jan–Feb;8(1):79–84 (Eng. Abstr.) **(Spa)**

[Hematuria and obstructive uropathy in children with hemophilia] González M, et al. **An Esp Pediatr** 1984 Feb 15;20(2):107–14 (Eng. Abstr.) **(Spa)**

[Extravasation of contrast during endovenous urography in patients with nephritic colic. Report of a case] Roa Luzuriaga JM. **Arch Esp Urol** 1984 Mar–Apr;37(2):155–62 (Eng. Abstr.) **(Spa)**

[Rare postoperative complication in surgery of the ureterovesical junction] Rodó Salas J, et al. **Arch Esp Urol** 1984 Jan–Feb;37(1):57–60 (Eng. Abstr.) **(Spa)**

METABOLISM

Renal cortical drug and xenobiotic metabolism following urinary tract obstruction. Zenser TV, et al. **Kidney Int** 1984 May;25(5):747–52

PATHOLOGY

Primary megaureter in adults. Frohneberg D, et al. **Eur Urol** 1983;9(6):321–8

Experimental partial ureteric obstruction in newborn rats.

IV. Do the morphological effects progress continuously? Claesson G, et al. **J Urol** 1983 Dec;130(6):1217–22

Paradoxical tubular obstruction after release of ureteral obstruction in rat kidney. Yokoyama M, et al. **J Urol** 1984 Aug;132(2):388–91

Effect of 24-hour ureteral obstruction on subsequent ischemic damage in rat kidney. Yokoyama M, et al. **Urol Int** 1983;38(5):263–6

PHYSIOPATHOLOGY

Return of renal function after relief of obstruction. Karsza A, et al. **Acta Chir Hung** 1984;25(2):87–95

Renal blood flow during unilateral ureteral obstruction. Effects of reduced perfusion pressure, acetylcholine, and thromboxane A2 blockers in obstructed and unobstructed rat kidneys. Hope A, et al. **Acta Physiol Scand** 1983 Dec; 119(4):327–34

Post-obstructive diuresis. Jones BF, et al. **Aust NZ J Med** 1983 Oct;13(5):519–21

Relationship between maximum active stress and contractile protein contents in the chronically obstructed ureter. Yamaguchi O, et al. **J Urol** 1984 Oct;132(4):809–13

Impact of age on effects of ureteral obstruction on renal function. Taki M, et al. **Kidney Int** 1983 Nov;24(5):602–9

Factors inducing post-obstructive diuresis in rats. Sophasan S, et al. **Nephron** 1984;38(2):125–33

Protein intake conditions the diuresis seen after relief of bilateral ureteral obstruction in the rat. Purkerson ML, et al. **Proc Soc Exp Biol Med** 1984 Oct;177(1):62–8

The effect of indomethacin on glomerular capillary pressure and renal pelvic pressure in ureteral obstruction. Persson AE, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:31–4

Pressure-flow relationship in partial obstruction of ureter in pigs. Mortensen J, et al. **Urol Int** 1984;39(2):80–3

The pressure volume relationship of the renal pelvis in total obstruction in pigs. Mortensen J, et al. **Urol Res** 1983; 11(6):251–3

[Serial observation of recovery from obstructive nephropathy after relief of ureteral obstruction, with special reference to post-obstructive diuresis] Hata M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):81–8 (Eng. Abstr.) **(Jpn)**

[Experimental studies on obstructive nephropathy—changes and recovery of renal functions following partial ureteral obstruction] Hiratsuka Y. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1193–204 (Eng. Abstr.) **(Jpn)**

[Pyeloplasty: morphological evaluation by radiography and functional evaluation by urodynamic study] Kobayashi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):295–303 (Eng. Abstr.) **(Jpn)**

[Length-tension characteristics in chronically obstructed dilated ureter] Suzuki M. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):414–23 (Eng. Abstr.) **(Jpn)**

[Effect of renal ischemia on function of obstructed kidney] Fukuzaki A, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan; 26(1):81–95 (Eng. Abstr.) **(Jpn)**

[Kidney function disorders in children with retention-obstructive processes in the urinary tract] Dzhavad-Zade MD, et al. **Urol Nefrol (Mosk)** 1983 Nov-Dec;(6):14–8 (Eng. Abstr.) **(Rus)**

[The adrenergic component in ureteral obstruction in the rabbit] Salinas Casado J. **Actas Urol Esp** 1983 May-Jun; 7(3):239–44 (Eng. Abstr.) **(Spa)**

[Complete ureteral obstruction: delayed manometric response and its physiopathologic significance] Vela Navarrete R, et al. **Arch Esp Urol** 1983 Nov-Dec;36(6):383–90 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Megapolycalicosis with ureteric obstruction: a retrospective analysis of ten childhood cases. Holthusen W, et al. **Ann Radiol (Paris)** 1984 Feb-Mar;27(2-3):191–8 **(Eng, Fre)**

The urographic appearances in acute and chronic retroperitoneal fibrosis. Minford JE, et al. **Clin Radiol** 1984 Jan;35(1):51–7

Urinary obstruction: pitfalls in the use of delayed contrast material washout for diagnosis. Newhouse JH, et al. **Radiology** 1984 May;151(2):319–22

Pelviureteric junction obstruction in association with severe vesicoureteric reflux: a diagnostic dilemma. Rickard M, et al. **Urol Radiol** 1984;6(1):1–6

[Conventional radiology in the diagnosis of retroperitoneal fibrosis] Joffre F, et al. **Acta Gastroenterol Belg** 1983 Jul-Aug;46(7-8):350–8 (Eng. Abstr.) **(Fre)**

[Does computer tomography facilitate correct diagnosis of the cause of ureteral obstruction? (limitations and significance of CT)] Lorenz R, et al. **Digitale Bilddiagn** 1984 Jun;4(2):46–52 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of computer tomography in ureteral obstruction] Uhlenbrock D, et al. **Z Urol Nephrol** 1983 Sep; 76(9):567–74 (Eng. Abstr.) **(Ger)**

[Transcutaneous puncture methods in roentgenodiagnosis of diseases of the kidney and upper urinary tract] Derevianko IM, et al. **Vestn Rentgenol Radiol** 1984 Mar-Apr;(2):32–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Diuretic renography and urodynamic pressure studies in evaluating dilated bilharzial ureters. A preliminary report. Pawar HN, et al. **Clin Nucl Med** 1984 Jul;9(7):402–4

Diuretic radionuclide localization of upper urinary tract obstruction. Koff SA, et al. **J Urol** 1984 Sep;132(3):513–5

[Clinical study concerning upper urinary tract obstruction. 2. Relationship between 99mTc-DMSA uptake in obstructed kidneys and their functions] Murayama T, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1463–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Changing indication of percutaneous nephrostomy due to increasing experience. Hauenstein KH, et al. **Acta Urol Belg** 1983;51(4):447–52

Dilatation of ureteral stenoses: techniques and experience in 44 patients. Banner MP, et al. **AJR** 1984 Oct;143(4):789–93

Percutaneous nephrostomy for urinary tract obstruction. Barbaric ZL. **AJR** 1984 Oct;143(4):803–9

Antegrade ureteral stenting for dehiscence, strictures, and fistulae. Lang EK. **AJR** 1984 Oct;143(4):795–801

Ureteral stenting facilitated by antegrade transurethral passage of guide wire. Mitty HA. **AJR** 1984 Apr; 142(4):831–2

Renal epithelial fragments in urine from a nephrostomized patient: a case report. Schumann GB, et al. **Am J Med Technol** 1983 Jul;49(7):503–7

The indwelling ureteric stent—the Bristol experience. Ball AJ, et al. **Br J Urol** 1983 Dec;55(6):622–5

Bilharzial strictures of the lower third of the ureter: a critical review of 560 strictures. Al-Shukri S, et al. **Br J Urol** 1983 Oct;55(5):477–82

Renal autotransplantation in patients with retroperitoneal fibrosis. Rose MC, et al. **Cleve Clin Q** 1984 Summer; 51(2):357–63

Endourologic management of renal transplant complications. Streem SB. **Cleve Clin Q** 1984 Summer;51(2):349–55

Bone scintigraphy and postoperative ureteropelvic urine extravasation. Lecklitner ML, et al. **Eur J Nucl Med** 1983; 8(8):346–7

Palliative urinary diversion in patients with advanced cervical cancer. Fukuoka M, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec;16(4):293–8

Percutaneous nephrostomy for ureteral obstruction in patients with gynecologic malignancy. Coddington CC, et al. **Gynecol Oncol** 1984 Jul;18(3):339–48

Transcatheter electrocautery as an aid in the percutaneous insertion of a ureteral stent. Hc owitz MI, et al. **J Urol** 1984 Jul;132(1):111–2

Initial experiences with percutaneous and transurethral ablation of postoperative ureteral strictures in children. King LR, et al. **J Urol** 1984 Jun;131(6):1167–70

The case for immediate pyeloplasty in the neonate with ureteropelvic junction obstruction. King LR, et al. **J Urol** 1984 Oct;132(4):725–8

Balloon dilatation of ureteral strictures in dogs. El-Mahrouky A, et al. **J Urol** 1984 Mar;131(3):582–6

The management of children with vesicoureteral reflux and ureteropelvic junction obstruction. Maizels M, et al. **J Urol** 1984 Apr;131(4):722–7

Pan-caliceal ileoneocystostomy: indications, modifications and further evaluation. Wong SH, et al. **J Urol** 1984 Oct; 132(4):668–9

Palliative nephrostomy for relief of ureteral obstruction secondary to malignancy. Bodner D, et al. **Urology** 1984 Jul;24(1):8–10

Ureteropelvic junction obstruction in adults. Lowe FC, et al. **Urology** 1984 Apr;23(4):331–5

Pelviureteric obstruction in children. Vihma Y, et al. **Z Kinderchir** 1983 Feb;38(1):43–7

[Transcutaneous nephrostomy] Devlesaver P. **Acta Urol Belg** 1983;51(4):473–83 (Eng. Abstr.) **(Fre)**

[Transcutaneous nephrostomy. Peculiar indications] Simon J, et al. **Acta Urol Belg** 1983;51(4):453–7 (Eng. Abstr.) **(Fre)**

[Ureterocalicostomy. Results of operations performed at the Urologic Clinic of the Medical Academy in Warsaw] Kuzaka B. **Pol Tyg Lek** 1983 Jun 20;38(25):749–51 (Eng. Abstr.) **(Pol)**

[Results of surgical treatment of subpelvic ureteral stenosis by the Hynes-Anderson method] Gruchalski J, et al. **Wiad Lek** 1984 Jan 1;37(1):5–11 (Eng. Abstr.) **(Pol)**

[Factors determining the selection of surgical approaches to the upper urinary tract of infants] Doletskii SIa, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):94–8 (Eng. Abstr.) **(Rus)**

[Results of surgical treatment of tuberculosis and post-tubercular ureteral stenosis] Mochalova TP, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):30–7 (Eng. Abstr.) **(Rus)**

[Early surgical complications of corrective operations in congenital hydronephrosis in children] Bairov GA, et al. **Vestn Khir** 1984 May;132(5):84–7 (Eng. Abstr.) **(Rus)**

[Decompression of the urinary tract after plastic surgery of the ureters in children] Kushch NL, et al. **Vestn Khir** 1984 Feb;132(2):78–82 (Eng. Abstr.) **(Rus)**

THERAPY

Percutaneous nephrostomy in gynecologic oncology. Baker VV, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):772–4

Ureteral stent encrustation. Yoshida K, et al. **Hinyokika Kiyo** 1983 Aug;29(8):937–9

Nephrolithiasis during pregnancy. Role of uterus and fetal head manipulation in management. Rattan PK, et al. **J Fla Med Assoc** 1984 Feb;71(2):91–3

Idiopathic retroperitoneal fibrosis [letter] Robbé IJ. **J R Soc Med** 1984 Apr;77(4):345–6

[Biliary and urinary endoprosthesis derived from percutaneous biliary drainage catheters] Dondelinger R, et al. **J Belge Radiol** 1984;67(1):37–40 (Eng. Abstr.) **(Fre)**

[Endoscopic pneumatic dilatation of ureteral stricture with lesions] Lange V, et al. **Urologe [Ausg A]** 1983 Sep; 22(5):284–6 (Eng. Abstr.) **(Ger)**

[Note on a personal technic for percutaneous and endoscopic placement of a double J urinary prosthesis] Defilippi C, et al. **Minerva Urol** 1983 Apr-Jun;35(2):131–40 (Eng. Abstr.) **(Ita)**

URINE

Changes in urinary pH and glomerular filtration rate in partially obstructed canine kidney. Ibrahim A, et al. **J Urol** 1984 Jan;131(1):143–5

[Studies on urinary kallikrein excretion in obstructive renal diseases] Nakajima H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):126–37 (Eng. Abstr.) **(Jpn)**

VETERINARY

Ureteral obstruction associated with proliferative ureteritis in a dog. Crawford MA, et al. **J Am Vet Med Assoc** 1984 Mar 1;184(5):586–8

URETEROCELE

Ureteroceles in children: clinical study and report of 58 cases. Assadi F, et al. **Clin Nephrol** 1984 May;21(5):275–9

[Prolapse of ureterocele in a girl. Management to pursue] Valla JS, et al. **Chir Pediatr** 1984;25(2):110–3 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Intraureteric eversion and reflux into a simple ureterocele. Chapman S, et al. **Br J Radiol** 1984 Apr;57(676):333–4

Ureteral triplication and duplicated opposite kidney with refluxing ureterocele. Miguelez Lago C, et al. **J Pediatr Surg** 1983 Oct;18(5):614–6

Bilateral cecoureteroceles causing urinary retention in the newborn. Sholder A, et al. **J Urol** 1983 Dec;130(6):1167–70

Hyperammonemia in a boy with obstructive ureterocele and proteus infection. Sinha B, et al. **J Urol** 1984 Feb; 131(2):330–1

Ureteral triplication with a ureterocele. Finkel LI, et al. **Pediatr Radiol** 1983;13(6):346–8

Transitional cell carcinoma occurring in ureterocele. Heyman J, et al. **Urology** 1984 Aug;24(2):175–7

[A case of ureteral triplication associated with renal dysmorphy, bilateral reflux, ureterocele and Ask-Upmark kidney] Wilhelm E. **Urologe [Ausg A]** 1983 Sep;22(5):267–9 (Eng. Abstr.) **(Ger)**

[Calculosis in ureterocele. Description of 2 cases] Tenaglia R, et al. **Minerva Urol** 1983 Oct-Dec;35(4):309–13 (Eng. Abstr.) **(Ita)**

[Surgical treatment of ureterocele of solitary ureters in children] Cheskis AL, et al. **Urol Nefrol (Mosk)** 1983 Jul-Aug;(4):33–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Urinary tract malformations: prenatal diagnosis and neonatal follow-up by sonography. Tomà P, et al. **Ann Radiol (Paris)** 1984 Feb-Mar;27(2-3):215–22 **(Eng, Fre)**

Riley children's hospital ureteroceles: a 12-year experience. Snow BW, et al. **Indiana Med** 1984 Jul;77(7):522–4

[Diagnosis and therapy of ectopic ureters and ectopic ureteroceles with double kidneys] Westenfelder M. **Urologe [Ausg A]** 1983 Nov;22(6):414–24 (Eng. Abstr.) **(Ger)**

[Ureterocele prolapse] Augustyn M, et al. **Przegl Lek** 1983; 40(5):473–4 **(Pol)**

RADIOGRAPHY

Seed calculi an ectopic ureterocele: a case report. Curcio CM, et al. **J Urol** 1983 Dec;130(6):1165–6

RADIONUCLIDE IMAGING

Urinary tract imaging—filling defect in the urinary bladder. Duong RB, et al. **Semin Nucl Med** 1983 Oct;13(4):383–5

SURGERY

Endoscopic surgery of calculi in ureteroceles. Rodriguez JV. **Eur Urol** 1984;10(1):36–9

Ipsilateral ureteroureterostomy in the management of duplicated collecting system and ureterocele. Waltzer WC. **Int Urol Nephrol** 1983;15(4):309–16

Ureteroceles in children: followup of management with upper tract approach. Caldamone AA, et al. **J Urol** 1984 Jun; 131(6):1130–2

Ureterocele. Kroovand RL. **Urol Clin North Am** 1983 Aug; 10(3):445–9

Transurethral puncture in management of ectopic ureteroceles. Gerridzen R, et al. **Urology** 1984 Jan;

23(1):43–7
[Surgery of ectopic ureteroceles in childhood] Heller K, et al. **Pediatr Grenzgeb** 1983;22(5):347–54 (Eng. Abstr.) **(Ger)**
[Ceco–ureterocele] Kamran D. Z **Kinderchir** 1983 Apr; 38(2):112–3 (Eng. Abstr.) **(Ger)**
[Ureteroceles in adult women: report of two cases] Terachi T, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1075–8 (Eng. Abstr.) **(Jpn)**
[Ectopic ureterocele—our experiences and a statistical review of the cases reported in Japan] Shimada K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):1003–14 (Eng. Abstr.) **(Jpn)**
[Evaluation of the results of surgical treatment of ectopic cysts of the vesical orifice of the ureter in infants as based on the radiologic examination] K»niewska A, et al. **Pol Przegl Radiol (Warszawa)** 198. –Apr;47(2):149–52 (Eng. Abstr.) **(Pol)**

URETHANE

see related
POLYURETHANES

Rabbit carotid sinus reflex under pentobarbital, urethan, and chloralose anesthesia. Ishikawa N, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H696–701
Differences in thermal responses of cat trigeminal ganglion 'cold' receptors under urethane and pentobarbital anesthetization. Hirata H, et al. **Brain Res** 1984 Feb 6; 292(2):387–9
Hemodynamic alterations in canine acute lung injury induced with N–nitroso–N–methylurethane. Smith RA, et al. **Crit Care Med** 1984 Jul;12(7):576–8
Studies on the level of natural antibodies reactive with various tumor cells during urethane carcinogenesis in BALB/c mice. Witz IP, et al. **Immunobiology** 1984 Mar; 166(2):131–45
Urethane–induced rat retinopathy. Plasticity of the blood–retinal barrier in disease. Korte GE, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1027–34
[Activity of cerebellar Purkinje cells of rats in nembutal and urethane anesthesia] Pesennikova DI, et al. **Fiziol Zh SSSR** 1984 Feb;70(2):247–50 **(Rus)**

ANALOGS & DERIVATIVES

Rodent species and strain specificities for sister–chromatid exchange induction and gene mutagenesis effects from ethyl carbamate, ethyl N–hydroxycarbamate, and vinyl carbamate. Sharief Y, et al. **Mutat Res** 1984 Apr; 126(2):159–67

METABOLISM

Involvement of liver aldehyde oxidase in conversion of N–hydroxyurethane to urethane. Sugihara K, et al. **J Pharmacobiodyn** 1983 Sep;6(9):677–83

PHARMACODYNAMICS

The effect of urethane on pituitary–adrenal function of female rats. Hamstra WN, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):362–7
Etomidate–anaesthesia, with and without fentanyl, compared with urethane–anaesthesia in the rat. De Wildt DJ, et al. **Br J Pharmacol** 1983 Jun;79(2):461–9
Hippocampal excitability related to the phase of theta rhythm in urethanized rats. Rudell AP, et al. **Brain Res** 1984 Mar 5;294(2):350–3
An analysis of the effects of urethane on cardiovascular responsiveness to catecholamines in terms of its interference with Ca++ mobilization from both intra and extracellular pools. Maggi CA, et al. **Experientia** 1984 Jan 15;40(1):52–9
Comparison of urethane–induced sister–chromatid exchanges in various murine strains, and the effect of enzyme inducers. Dragani TA, et al. **Mutat Res** 1983 Sep;121(3–4):233–9
Rodent species and strain specificities for sister–chromatid exchange induction and gene mutagenesis effects from ethyl carbamate, ethyl N–hydroxycarbamate, and vinyl carbamate. Sharief Y, et al. **Mutat Res** 1984 Apr; 126(2):159–67
A comparison of the effect of bile salts on maximal hepatic excretion of certain organic anions in the rabbit under urethane and pentobarbitone. Esteller A, et al. **Q J Exp Physiol** 1984 Apr;69(2):227–34
Effect of Anesthesia on rat respiration. A study in decerebrated, decerebrated–anesthetized and intact–brain preparations. Rodríguez Méndez SA, et al. **Rev Esp Fisiol** 1984 Mar;40(1):53–61
Rod saturation in b–wave of the rat electroretinogram under two different anesthetics. Brown CH, et al. **Vision Res** 1984; 24(1):87–90

TOXICITY

Simultaneous assessment of ethyl carbamate–induced SCEs in murine lymphocytes, bone marrow and alveolar macrophage cells. Goon D, et al. **Carcinogenesis** 1984 Mar; 5(3):399–402
Urethan (ethyl carbamate) alone is carcinogenic for mouse skin. Iversen OH. **Carcinogenesis** 1984 Jul;5(7):911–5
Enhancement of lung tumor formation in mice by dietary butylated hydroxytoluene: dose–time relationships and cell kinetics. Witschi HR, et al. **JNCI** 1983 Oct;71(4):859–66
Different susceptibility of BALB/Mo and BALB/c mice to cytogenetic damage induced by urethan. Aldovini A, et al. **Tumori** 1983 Oct 31;69(5):387–90

URETHRA

Lidocaine toxicity from intraurethral administration [letter] Panacek E, et al. **Ann Emerg Med** 1984 Jun;13(6):483–4
The Artificial Urinary Sphincter. State–of–the–art treatment for urinary incontinence. West JE 3d. **Ariz Med** 1984 Apr; 41(4):244–7
The artificial sphincter for urinary continence. Kroovand RL. **Dev Med Child Neurol** 1983 Aug;25(4):520–3
A magnet system for urethral closure in females. Grüneberger AD, et al. **J Biomed Eng** 1984 Apr;6(2):102–6
Incontinence, intermittent self–catheterization and the artificial genitourinary sphincter. Barrett DM, et al. **J Urol** 1984 Aug;132(2):268–9
Flexible fiberoptic and rigid–rod lens endoscopy of the lower urinary tract: a prospective controlled comparison. Clayman RV, et al. **J Urol** 1984 Apr;131(4):715–6
Treatment of urinary incontinence with an artificial sphincter: further experience with the AS791/792 device. Sidi AA, et al. **J Urol** 1984 May;131(5):891–3
Migration and granulomatous reaction after periurethral injection of polytef (Teflon). Malizia AA Jr, et al. **JAMA** 1984 Jun 22–29;251(24):3277–81
Immunohistochemical identification of prostatic acid phosphatase and prostate specific antigen in female periurethral glands. Pollen JJ, et al. **Urology** 1984 Mar; 23(3):303–4
A newborn with a covered anus complicated by two concomitant unique fistulas. Asano S, et al. **Z Kinderchir** 1983 Aug;38(4):258–61
[Lasix–induced forced diuresis following transuretral resection] Ulshöfer B, et al. **Helv Chir Acta** 1983 Jun; 50(3):257–61 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Refluxing urethral ectopic ureters: recognition by the cyclic voiding cystourethrogram. Wyly JB, et al. **AJR** 1984 Jun; 142(6):1263–7
Congenital posterior urethral valves: problems of management in countries with limited facilities. Garg SK, et al. **Ann Trop Paediatr** 1983 Dec;3(4):201–5
Urethral ectopic ureter with a ureteric valve. Ahmed S, et al. **Aust Paediatr J** 1983 Sep;19(3):185–6
A case of congenital urethral duplication cyst and its embryological significance. Lawrence D, et al. **Br J Surg** 1983 Sep;70(9):565–6
Posterior urethral valve masquerading as the prune belly syndrome. Aaronson IA. **Br J Urol** 1983 Oct;55(5):508–12
Congenital anterior urethral diverticulum. Kaneti J, et al. **Eur Urol** 1984;10(1):48–52
Andrological implications of congenital posterior urethral valves in adults. A case of retained ejaculation and review in western literature. Páramo PG, et al. **Eur Urol** 1983; 9(6):359–61
Antenatal sonographic detection of posterior urethral valves. Rodan BA, et al. **J Fla Med Assoc** 1984 Feb;71(2):94–5
Demonstration of the dilated prostatic urethra in posterior urethral valve patients. McAlister WH. **J Ultrasound Med** 1984 Apr;3(4):189–90
Posterior urethral valves causing urinary retention in an infant with duplication of the urethra. Fernbach SK, et al. **J Urol** 1984 Aug;132(2):353–5
The perineal urethrotomy approach to posterior urethral valves. Garg SK, et al. **J Urol** 1983 Dec;130(6):1146–9
The variable effect of posterior urethral valves as illustrated in identical twins. Grajewski RS, et al. **J Urol** 1983 Dec; 130(6):1188–90
Female phallic urethra and persistent cloaca. Sotolongo JR Jr, et al. **J Urol** 1983 Dec;130(6):1186–7
Pseudotumour of the kidney secondary to posterior urethral valves: the role of renal backflow and perirenal extravasation. Eklöf O, et al. **Pediatr Radiol** 1984; 14(4):215–9
Partial duplication of the posterior urethra. An unusual form of urethral duplication. Vollman DP, et al. **Pediatr Radiol** 1984;14(5):353–5
Clinical aspects, diagnosis, and treatment of the Kaufman syndrome (hydrocolpos, hypospadias, polydactyly). Hofmann U, et al. **Prog Pediatr Surg** 1984;17:71–8
Anomalies of the external urethral orifice in girls. Pompino HJ, et al. **Prog Pediatr Surg** 1984;17:49–56
Posterior urethral valve. A review of 120 cases. Aaronson IA. **S Afr Med J** 1984 Mar 17;65(11):418–22
Congenital anomalies of the adult bladder and urethra. Yoder IC, et al. **Semin Roentgenol** 1983 Oct;18(4):267–75
Complications of posterior urethral valve surgery and their prevention. Churchill BM, et al. **Urol Clin North Am** 1983 Aug;10(3):519–30
Surgical treatment of impotence caused by megalourethra. Araki T, et al. **Urology** 1984 Sep;24(3):246–9
Subcapsular urinoma: unusual form of 'page kidney' in newborn. Patel MR, et al. **Urology** 1984 Jun;23(6):585–7
Accessory urethral–like channel in female child. Redman JF, et al. **Urology** 1983 Sep;22(3):292–3
Congenital posterior urethral valves in an adult. Saraf PG, et al. **Urology** 1984 Jan;23(1):55–7
[Megalo–urethra. Single–stage neonatal correction. Review of the literature] Sauvage P, et al. **Chir Pediatr** 1984; 25(2):102–5 (Eng. Abstr.) **(Fre)**
[Urethrovaginal atresia. Prenatal form and in utero case finding] Plauchu H, et al. **J Genet Hum** 1984 Jun; 32(2):137–9 (Eng. Abstr.) **(Fre)**
[Obstructive posterior urethral valves. A series of 82 cases] Cukier J, et al. **J Urol (Paris)** 1983;89(9):629–34 (Eng. Abstr.) **(Fre)**
[Bladder accommodation disorders in children with posterior urethral valves] Rivain T, et al. **J Urol (Paris)** 1983; 89(8):581–6 (Eng. Abstr.) **(Fre)**
[Urethral duplication in boys. Apropos of 16 new cases] Roubach L, et al. **J Urol (Paris)** 1983;89(9):619–27 (Eng. Abstr.) **(Fre)**
[Female pseudohermaphroditism with double urethra and clitoral hypertrophy] Joost J, et al. **Urol Int** 1984;39(2):91–4 (Eng. Abstr.) **(Ger)**
[A case of an incompletely duplicated ventral urethra] Fujishima M, et al. **Hinyokika Kiyo** 1983 Apr;29(4):441–6 (Eng. Abstr.) **(Jpn)**
[A case of female hypospadias] Kobayashi T, et al. **Hinyokika Kiyo** 1983 Jan;29(1):73–6 (Eng. Abstr.) **(Jpn)**
[Congenital posterior urethral valve associated with paraureteral diverticulum and dysplastic kidney. A case report] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):655–61 (Eng. Abstr.) **(Jpn)**
[Male bifid urethra with perianal outlet] Gómez M, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):377–81 (Eng. Abstr.) **(Spa)**
[Urethro–vesical duplication. Report of a case] Blesa Sánchez E, et al. **An Esp Pediatr** 1984 May;20(8):811–3 **(Spa)**
[A case of urethral duplication: nomenclature of the double and bifid urethra and paraurethral ducts in the male] Roa Rico M, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):395–402 (Eng. Abstr.) **(Spa)**

ANALYSIS

Adrenergic receptors in the urethra and prostate of the horse. García–Sacristán A, et al. **Res Vet Sci** 1984 Jan;36(1):57–60
Steroid hormone receptors in the female lower urinary tract. Wilson PD, et al. **Urol Int** 1984;39(1):5–8
[Continence mechanism. 2. Localization of alpha– and beta–receptors in the ureter of mongrel female dogs] Kamura K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):812–20 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Aspects on the anatomy of the female urethra with special relation to urinary continence. Huisman AB. **Contrib Gynecol Obstet** 1983;10:1–31
Anatomy of the prostatic urethra [letter] McNeal JE, et al. **JAMA** 1984 Feb 17;251(7):890–1
[The striated urethral sphincter in man] de Leval J. **Acta Urol Belg** 1984 Jan;52(1):5–147 (Eng. Abstr.) **(Fre)**
[Diameter of the external urethral meatus in boys] Woźniak J. **Probl Med Wieku Rozwoj** 1983;12:295–9 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

Role of urethral ischemia in the development of urethral strictures after cardiovascular surgery: a preliminary report. Abdel–Hakim A, et al. **J Urol** 1984 Jun; 131(6):1077–9

DRUG EFFECTS

Effects of estradiol on norepinephrine–induced contraction, alpha adrenoceptor number and norepinephrine content in the female rabbit urethra. Larsson B, et al. **J Pharmacol Exp Ther** 1984 May;229(2):557–63
Response of urethral smooth muscles to pharmacological agents. II. Noncholinergic, nonadrenergic agonists and antagonists. Abdel–Hakim A, et al. **J Urol** 1983 Nov; 130(5):988–91
Female urethral pressure profile; reproducibility, axial variation and effects of low dose oral contraceptives. Van Geelen JM, et al. **J Urol** 1984 Feb;131(2):394–8
The effect of midodrine and its active metabolite ST 1059 on the human urethra in vitro and in vivo. Andersson KE, et al. **Scand J Urol Nephrol** 1983;17(3):261–5
Effect of opiate analgesia and opioid blockade on urethral mucosal sensitivity threshold. Murray K, et al. **Urology** 1983 Sep;22(3):332–4
[Possibilities of the drug modification of the urethra and urinary bladder] Schumacher T, et al. **Geburtshilfe Fraunheilkd** 1983 Dec;43(12):773–9 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Smooth muscle in the wall of the developing human urinary bladder and urethra. Gilpin SA, et al. **J Anat** 1983 Oct; 137 (Pt 3):503–12

INJURIES

Methamphetamine abuse presenting as dysuria following urethral insertion of tablets. Ellison JM, et al. **Ann Emerg Med** 1984 Mar;13(3):198–200
Disrupting injuries of the membranous urethra—the case for early surgery and catheter splinting. Al–Ali IH, et al. **Br J Urol** 1983 Dec;55(6):716–20
Management of blunt injury to the lower urinary tract.

MacMahon R, et al. **Can J Surg** 1983 Sep;26(5):415–8
Interposition of the prepuce into the external urethral meatus. A case report. Ali Khan S, et al. **Int Urol Nephrol** 1984; 16(2):129–32
Urological injury and assessment in patients with fractured pelvis. Fallon B, et al. **J Urol** 1984 Apr;131(4):712–4
Prostatomembranous urethral injuries: a review of the literature and a rational approach to their management. Webster GD, et al. **J Urol** 1983 Nov;130(5):898–902
Percutaneous antegrade urethral catheterization of the traumatized urethra. Lee WJ, et al. **Radiology** 1984 Apr; 151(1):250
Trauma of the adult bladder and urethra. Bonavita JA, et al. **Semin Roentgenol** 1983 Oct;18(4):299–306 (18 ref.)
Traumatic rupture of female urethra. Netto Júnior NR, et al. **Urology** 1983 Dec;22(6):601–3
[Iatrogenic lesions of the urethra] Rochat JB, et al. **Rev Med Suisse Romande** 1983 Nov;103(11):955–9 **(Fre)**
[Intrapelvic urethral rupture] Tomamichel GR. **Helv Chir Acta** 1983 Jun;50(3):243–6 (Eng. Abstr.) **(Ger)**
[Injuries of the posterior urethra] Marberger H, et al. **Unfallchirurgie** 1983 Oct;9(5):294–301 (Eng. Abstr.) **(Ger)**
[Bladder and urethral injuries – report of experiences] Zwergel U, et al. **Unfallchirurgie** 1983 Oct;9(5):288–93 (Eng. Abstr.) **(Ger)**
[Reconstruction of the urethra in women using a bladder flap] Ackermann D, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):46–9 (Eng. Abstr.) **(Ger)**
[Apropos of a case of urethral coitus] De Leo CA, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):141–5 (Eng. Abstr.) **(Ita)**

INNERVATION

On a cholinergic motor innervation of the rat urethra. Ekström J, et al. **Acta Physiol Scand** 1984 Feb; 120(2):237–42
Pharmacological analysis of the responses of the feline urethra to autonomic nerve stimulation. Slack BE, et al. **J Auton Nerv Syst** 1983 Jun;8(2):141–60
Individual motor unit analysis in the diagnosis of disorders of urethral sphincter innervation. Fowler CJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jun;47(6):637–41
Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90
Experimental evidence for a central nervous system site of action in the effect of alpha-adrenergic blockers on the external urinary sphincter. Gajewski J, et al. **J Urol** 1984 Aug;132(2):403–9
Vesicourethral motility following acute spinal cord transection in the cat. Hassouna M, et al. **J Urol** 1984 Feb; 131(2):370–3
Pelvic nerve innervation of the external sphincter of urethra as suggested by urodynamic and horse-radish peroxidase studies. Morita T, et al. **J Urol** 1984 Mar;131(3):591–5
Urethral response to nerve stimulation measured by strain gauge force transducer. Tsuchida S, et al. **Urol Int** 1983; 38(5):300–6
[Muscle spindles and sensory nerve endings in the urethral sphincter] Lassmann G. **Acta Neuropathol (Berl)** 1984; 63(4):344–6 (Eng. Abstr.) **(Ger)**
[Function of autonomic receptors in the canine proximal urethra—a comparison of in vitro and in vivo experimental results in a pharmacological investigation] Matsuo S. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1556–74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Characterization of the alpha-adrenoceptors in the female rabbit urethra. Andersson KE, et al. **Br J Pharmacol** 1984 Feb;81(2):293–300
Estradiol receptors in the urethra and the bladder of the female rabbit. Urner F, et al. **Gynecol Obstet Invest** 1983; 16(5):307–13
Adrenoceptors and cholinoceptors controlling noradrenaline release from adrenergic nerves in the urethra of rabbit and man. Mattiasson A, et al. **J Urol** 1984 Jun;131(6):1190–5

MICROBIOLOGY

Isolation of Chlamydia trachomatis from urethral scrapings of men. Sádecký E, et al. **Acta Microbiol Hung** 1984; 31(2):85–90
Clostridium difficile in the genital tract [letter] Levett PN. **Br J Vener Dis** 1984 Aug;60(4):276
Characterization of Staphylococcus saprophyticus strains isolated from the urethra and the vagina. Tselenis-Kotsowilis A, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):476–7
Bacterial adherence to periurethral epithelial cells in women with urinary tract infection. Raghoji NS, et al. **Indian J Med Res** 1983 Jun;77:802–7
Aerobic urethral flora of women with infertility and gynecologic problems. Elegbe IA, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):241–5
Minocycline resistance among clinical isolates of Ureaplasma urealyticum. Magalhães M, et al. **J Infect Dis** 1984 Jan; 149(1):117
Difficulties in quantitating the contribution of urethral bacteria to prostatic fluid and seminal fluid cultures. Fowler JE Jr, et al. **J Urol** 1984 Sep;132(3):471–3
Urethral meatal colonization in the pathogenesis of catheter-associated bacteriuria. Schaeffer AJ, et al. **J Urol** 1983 Dec;130(6):1096–9
Epidemiology of Mycoplasma hominis. McCormack WM. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):261–?
[Detection of Chlamydia trachomatis in the urogenital tract] Korb J, et al. **Cas Lek Cesk** 1984 Jun 1;123(22):674–7 (Eng. Abstr.) **(Cze)**
[Isolation and microscopic detection of Chlamydia trachomatis on tissue cultures of McCoy and BGM (buffalo green monkey) cells from urethral smears of men with the clinical diagnosis of nonspecific urethritis] Strauss J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):129–35 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Fournier gangrene following urethral necrosis by indwelling catheter. Karim MS. **Urology** 1984 Feb;23(2):173–5

PHYSIOLOGY

In vivo recording of contractile activity of pelvic urethra and seminal vesicle in rats. Effects of electrical stimulations and neurohypophysial hormones. Hib J, et al. **Andrologia** 1983 Sep–Oct;15(5):480–5
On the physiology of continence and pathophysiology of stress incontinence in the female. Asmussen M, et al. **Contrib Gynecol Obstet** 1983;10:32–50
Rigidity of the resting female urethra. Part II. Dynamic measurements. Colstrup H. **J Urol** 1984 Jul;132(1):82–6
Rigidity of the resting female urethra. Part I. Static measurements. Colstrup H. **J Urol** 1984 Jul;132(1):78–81
Vasoactive intestinal polypeptide influence on lower urinary tract smooth muscle from human and pig. Klarskov P, et al. **J Urol** 1984 May;131(5):1000–4
Urethral response during bladder contraction induced by subcutaneous bethanechol chloride: elicitation of a sympathetic reflex urethral constriction. Sogbein SK, et al. **J Urol** 1984 Apr;131(4):791–5
A comparison between the physiological and histochemical characterisation of urethral striated muscle in the guinea pig. Whitmore I, et al. **Pflugers Arch** 1984 Jan;400(1):40–3
Urethral pressure changes during voiding. Miyagawa I. **Tohoku J Exp Med** 1984 Apr;142(4):467–8
Urethral pressure tomography. Morita T, et al. **Tohoku J Exp Med** 1984 Apr;142(4):391–8
Directional difference of urethral pressure profile in anterior, posterior and lateral components of canine urethra. Morita T, et al. **Tohoku J Exp Med** 1983 Oct;141(2):243–4
Paired extraluminal strain gauge force transducers for measuring urethral movements. Tsuchida S, et al. **Tohoku J Exp Med** 1983 Sep;141(1):117–8
Clinical relevance of urethral stress profile using microtransducers after surgery for stress incontinence in females. Weil A, et al. **Urol Int** 1983;38(6):363–7
A probe for measurements of related values of cross-sectional area and pressure in the resting female urethra. Colstrup H, et al. **Urol Res** 1983;11(3):139–43
Is there a urodynamic equivalence to anterior urethra in the male? Reid RE, et al. **Urology** 1984 Jan;23(1):93–5
Evaluation of inner urethral softness. Part II. Clinical study using new grooved probe device. Zinner NR, et al. **Urology** 1983 Oct;22(4):446–8
Measuring softness of inner female urethra. Part I. Simple new device. Zinner NR, et al. **Urology** 1983 Oct;22(4):444–5
A review of female ejaculation and the Grafenberg spot. Belzer EG Jr. **Women Health** 1984 Spring;9(1):5–16 (25 ref.)
[Clinical studies of the urodynamics. Fifth report: muscle pressure recording at external urethral sphincter] Morita M. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):59–64 (Eng. Abstr.) **(Jpn)**
[Three dimensional urethral pressure profile. II. Basic consideration of the catheter with only one eye and comparison with the catheter with the tip transducer by Millar] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1772–7 (Eng. Abstr.) **(Jpn)**
[Three-dimensional urethral pressure profile. I. Experimental study in male and female dogs] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1550–5 (Eng. Abstr.) **(Jpn)**
[Three-dimensional urethral pressure profile. III. Development of urethral pressure tomography] Morita T. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):263–8 (Eng. Abstr.) **(Jpn)**
[Study on the relation between the pelvic nerve and the sphincter of the external urethra using a physiological micturition test and observation on retrograde axial transport] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):961–6 (Eng. Abstr.) **(Jpn)**
[The continence mechanism. 1. Functional urethral length necessary for continence] Nakayama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):384–9 (Eng. Abstr.) **(Jpn)**
[Urethral behaviors during micturition reflex on the decerebrated female dog] Noto H. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):104–17 (Eng. Abstr.) **(Jpn)**
[Changes of the urethral closing pressure induced by cough and hold maneuver] Yoneyama T. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):503–13 (Eng. Abstr.) **(Jpn)**
[Introduction to the fluid dynamics study of the urethra] Alvarez Ortiz J, et al. **Actas Urol Esp** 1983 Sep–Oct; 7(5):333–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The fluid bridge test for urethral incompetence. A comparison of results in women with incontinence and women with normal urinary control. Sutherst J, et al. **Acta Obstet Gynecol Scand** 1983;62(3):271–3
Bladder capacity, urethral sensation and lumbosacral anomalies in children with enuresis. Ringertz H. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):45–8
Urethral closure pressure profile measurements in female urinary incontinence. Glen ES, et al. **Acta Urol Belg** 1984 Apr;52(2):174–9
Urodynamic changes after successful operation for stress urinary incontinence. Bergman A, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):325–7
Simultaneous urethrocystometry in gynaecological patients with lower urinary tract dysfunction. Reiertsen O, et al. **Ann Chir Gynaecol** 1983;72(5):278–81
Reflexes of the external urethral sphincter in children. Hallett M, et al. **Arch Neurol** 1984 Sep;41(9):942–5
Urethral pressure measurement by microtransducer: the results in symptom-free women and in those with genuine stress incontinence. Hilton P, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):919–33
Modifications of the urethral rest and stress profiles after different types of surgery for urinary stress incontinence. Weil A, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):46–55
Urethral sphincter abnormalities in Parkinsonism. Galloway NT. **Br J Urol** 1983 Dec;55(6):691–3
Bladder instability. Is the primary defect in the urethra? Hindmarsh JR, et al. **Br J Urol** 1983 Dec;55(6):648–51
Clinical evaluation of urinary incontinence and abnormal anatomy and pathophysiology. Marchant DJ. **Clin Obstet Gynecol** 1984 Jun;27(2):434–44 (19 ref.)
Role of urethral pressure profilometry in evaluation of patients with prostatism. Rao MS, et al. **Indian J Med Res** 1983 May;77:728–32
Electromyography of the external urethral sphincter in patients with prostatic hyperplasia. Abe S, et al. **J Urol** 1984 Sep;132(3):510–2
Further characterization of the external urethral sphincter in spinal cord injury: study during spinal shock and evolution of responsiveness to alpha-adrenergic stimulation. Koyanagi T, et al. **J Urol** 1984 Jun; 131(6):1122–6
Vesicourethral dysfunction following pelvic visceral ablative surgery. Yalla SV, et al. **J Urol** 1984 Sep;132(3):503–9
Predictive value of urodynamic evaluation in newborns with myelodysplasia. Bauer SB, et al. **JAMA** 1984 Aug 3; 252(5):650–2
Voiding dysfunctions. Thon W, et al. **Urology** 1984 Apr; 23(4):323–30 (91 ref.)
Electromyographic and urethral pressure profilometry. Clinical application in male cats. Gregory CR. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):567–74
[Urodynamic studies in children] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):889–92 **(Dut)**
[Simultaneous urethrocystometry and urethral instability in female incontinence] Penders L. **Acta Urol Belg** 1984 Apr; 52(2):200–6 (Eng. Abstr.) **(Fre)**
[Urinary stress incontinence. What should we expect from urethromanometry using electronic microtips? Definition of a continence index] Soret JY, et al. **Acta Urol Belg** 1984 Apr;52(2):193–9 (Eng. Abstr.) **(Fre)**
[Dynamic urethral profile and flowmetry. Pre- and postcolposuspension study] Wese FX, et al. **Acta Urol Belg** 1983;51(3):319–24 (Eng. Abstr.) **(Fre)**
[Urethral pressure profile in sling operations for stress incontinence] Steyer M, et al. **Geburtshilfe Frauenheilkd** 1984 Feb;44(2):100–3 (Eng. Abstr.) **(Ger)**
[Urethral pressure profile in anesthetized and decerebrated dogs] Oya A, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):81–5 (Eng. Abstr.) **(Jpn)**
[Urodynamics. X. Clinical significance of uroflowmetry simultaneous with sphincter electromyography] Park YC, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1346–51 (Eng. Abstr.) **(Jpn)**
[Further electromyographical study of the external urethral sphincter in paraplegic patients: its activity during acute spinal shock and the change after alpha-adrenergic stimulation] Takamatsu T. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2081–90 (Eng. Abstr.) **(Jpn)**
[Neuromuscular dysfunction of the lower urinary tract in women] Stanek J. **Ginekol Pol** 1984 Jan;55(1):39–46 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Micturition cystourethrography using X-ray or scintigraphy in children with reflux. Brendstrup L, et al. **Acta Paediatr Scand** 1983 Jul;72(4):559–62
Maximum-distention retrograde urethrocystography in

healthy male dogs: occurrence of vesicoureteral reflux. Feeney DA, et al. **Am J Vet Res** 1984 May;45(5):953–4
Maximum-distention retrograde urethrocystography in healthy male dogs: occurrence and radiographic appearance of urethroprostatic reflux. Feeney DA, et al. **Am J Vet Res** 1984 May;45(5):948–52
Abnormal urethrogram in bulbar urethritis of male childhood. Barton E, et al. **Br J Radiol** 1983 Oct; 56(670):760–1
Excretory urography and cystourethrography in the evaluation of children with urinary tract infection. Drachman R, et al. **Clin Pediatr (Phila)** 1984 May; 23(5):265–7
The VCU-pot: a new device for voiding cystourethrography. Araki T, et al. **J Urol** 1984 Aug;132(2):266–7
Functional evaluation of anterior urethral strictures with combined antegrade and retrograde urethrography. Asklin B, et al. **Scand J Urol Nephrol** 1984;18(1):1–7
Urethral filling defect (solitary or multiple). Hanslits ML. **Semin Roentgenol** 1983 Oct;18(4):245
Unusual foreign body in the urethra. Ali Khan S, et al. **Urol Int** 1984;39(3):184–6
Dynamic urethrocystography in women. Westby M, et al. **Urol Int** 1983;38(6):329–36
Knotting of urethral catheter within bladder: an unusual complication in cystourethrography. Gaisie G, et al. **Urol Radiol** 1983;5(4):271–2
[Standardization of urography and cystourethrography in children] Abraham J, et al. **Cesk Radiol** 1984 Feb; 38(1):28–34 (Eng. Abstr.) **(Cze)**
[Retrograde infusion urethrocystography in boys] Heinert G, et al. **Monatsschr Kinderheilkd** 1983 Aug;131(8):516–9 (Eng. Abstr.) **(Ger)**
[Errors and hazards of retrograde infusion urethrography] Kühn MW, et al. **Z Urol Nephrol** 1984 Feb;77(2):65–73 (Eng. Abstr.) **(Ger)**
[Borderline between the normal and the pathological in the radiological diagnosis of the posterior male urethra and female urethra in childhood] Taccone A, et al. **Radiol Med (Torino)** 1983 Jul-Aug;69(7-8):548–53 (Eng. Abstr.) **(Ita)**
[A new device for voiding cystourethrography: a VCU pot] Araki T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1631–4 (Eng. Abstr.) **(Jpn)**
[Diverticulosis in the female urethra] Hem E, et al. **Tidsskr Nor Laegeforen** 1984 Apr 10;104(10–11):729–30 (Eng. Abstr.) **(Nor)**
[Our experience with urethrocystography in patients with urination disorders after prostatectomy] Atler J, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):249–52 (Eng. Abstr.) **(Pol)**
[Urethrography: anatomical and technical aspects] Bilbao Jaureguizar JI, et al. **Rev Med Univ Navarra** 1984 Mar; 28(1):15–8 **(Spa)**

SECRETION

The fluid of female urethral expulsions analysed by histochemical electron-microscopic and other methods. Zaviačič M, et al. **Histochem J** 1984 Apr;16(4):445–7

SURGERY

Vesical-urethral sustaining for recurrent urinary stress incontinence using the Stamey-Pereyra technique. Dijkman GA, et al. **Acta Urol Belg** 1984 Apr;52(2):302–5
One stage repair of hypospadias. Joseph VT. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):366–9
Direct vision internal urethrotomy. Jakobsen H, et al. **Ann Chir Gynaecol** 1984;73(2):97–9
Determination of blood loss during transurethral surgery by cell counts on irrigation fluid. Boliston TA. **Ann R Coll Surg Engl** 1984 Mar;66(2):94–5
Urethrocliesis—a simple cure for stress incontinence [letter] Kadar N. **Br J Obstet Gynaecol** 1984 Jan;91(1):91–2
Urethrocliesis—a simple cure for stress incontinence [letter] Toplis PJ, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):411
The impact of optical urethrotomy on the management of urethral strictures. Chilton CP, et al. **Br J Urol** 1983 Dec; 55(6):705–10
A controlled trial of otis urethrotomy. Choa RG, et al. **Br J Urol** 1983 Dec;55(6):694–7
The artificial urinary sphincter in children. Light JK, et al. **Br J Urol** 1984 Feb;56(1):54–7
Long-term results of optical urethrotomy. Smith PJ, et al. **Br J Urol** 1983 Dec;55(6):698–700
Optical urethrotomy—a 3-year experience. Stone AR, et al. **Br J Urol** 1983 Dec;55(6):701–4
Patch autografts in the treatment of urethral stricture. Goldenberg SL, et al. **Can J Surg** 1983 Sep;26(5):418–22
Appraisal of a new method for the suspension of the urethra on the abdominal wall. Marzetti L, et al. **Clin Exp Obstet Gynecol** 1984;11(1-2):31–6
One-stage urethroplasty for urethral stricture. Free full thickness skin graft versus cutaneous island flap urethroplasty. Boccon-Gibod L, et al. **Eur Urol** 1984; 10(1):32–5
Physiopathology and surgical treatment of extravasated peritoneal fluid after transurethral resection. Montesinos Baillo A, et al. **Eur Urol** 1984;10(3):183–6
Transurethral resection for ejaculatory duct stenosis and oligospermia. Carson CC. **Fertil Steril** 1984 Mar; 41(3):482–4
Circumferential multiple radial visually-controlled urethrotomy. Djulepa J, et al. **Int Urol Nephrol** 1983; 15(1):51–9
Urethral stricture after transurethral resection. Fuhse J, et al. **Int Urol Nephrol** 1984;16(1):33–8
Intravascular hemolysis secondary to irrigation fluid absorption during an internal urethrotomy. Lavie CJ, et al. **J La State Med Soc** 1984 Mar;136(3):14–6
Late results of optical urethrotomy [letter] Hartfall WG, et al. **J R Soc Med** 1984 Jun;77(6):529
Indications for urethrectomy in men undergoing single stage radical cystectomy for bladder cancer. Ahlering TE, et al. **J Urol** 1984 Apr;131(4):657–9
Risk of local urethral recurrence after radical cystectomy for bladder cancer. Beahrs JR, et al. **J Urol** 1984 Feb; 131(2):264–6
Extragenital split thickness skin graft for urethral reconstruction. Burbige KA, et al. **J Urol** 1984 Jun; 131(6):1137–9
Re: Antimicrobial agents for the prevention of urinary tract infection in transurethral surgery [letter] Desautels RE. **J Urol** 1984 Jun;131(6):1188
Long-term followup of the artificial urinary sphincter. Diokno AC, et al. **J Urol** 1984 Jun;131(6):1084–6
One-stage membranous urethroplasty in childhood. Hayden LJ, et al. **J Urol** 1984 Aug;132(2):311–2
One-stage skin graft urethroplasty in anterior middle urethra: a new procedure. Lenzi R, et al. **J Urol** 1984 Apr; 131(4):660–3
Urethral reconstruction in boys with classical bladder exstrophy. Lepor H, et al. **J Urol** 1984 Mar;131(3):512–5
Total reconstruction of the lower urinary tract using bowel and the artificial urinary sphincter. Light JK, et al. **J Urol** 1984 May;131(5):953–6
Complications of hypospadias repair. Shapiro SR. **J Urol** 1984 Mar;131(3):518–22
Neourethra: a new two-stage procedure for reconstruction of the functional urethra. Thüroff JW, et al. **J Urol** 1983 Dec;130(6):1228–33
Results of early hypospadias surgery using optical magnification. Wacksman J. **J Urol** 1984 Mar;131(3):516–7
Management of the urethra in men undergoing radical cystectomy for bladder cancer. Zabbo A, et al. **J Urol** 1984 Feb;131(2):267–8
Direct vision urethrotomy in the management of urethral strictures: (a preliminary report). Elem B. **Med J Zambia** 1983 Apr;17(2):46–8
Abdominoperineal urethral suspension in the management of recurrent stress incontinence of urine- a 15-year experience. Zacharin RF. **Obstet Gynecol** 1983 Nov; 62(5):644–54 (35 ref.)
The effect of anteromedian sphincterotomy on penile erections in patients with neuropathic bladder. Philp NH, et al. **Paraplegia** 1983 Oct;21(5):301–4
The bladder flap for urethral reconstruction in total phalloplasty. Edgerton MT, et al. **Plast Reconstr Surg** 1984 Aug;74(2):259–66
Operations on previously operated patients with hypospadias. Frick J, et al. **Prog Pediatr Surg** 1984;17:57–63
Comparison of Ombrédanne's, Denis Browne's, and Cecil Leveuf's methods. Gharib M. **Prog Pediatr Surg** 1984; 17:65–9
Correction of hypospadias in tree stages-follow-up examinations. Hopfgartner L. **Prog Pediatr Surg** 1984; 17:83–92
Optical urethrotomy as ambulatory procedure. Andronaco RB, et al. **Urology** 1984 Sep;24(3):268–70
Artificial urinary Sphincter 800. Brown J, et al. **Urology** 1984 May;23(5):479–83
Urethrectomy using disposable vein stripper. Crawford VA. **Urology** 1984 May;23(5 Spec No):106
Operative occlusion of urethral fistulas by pyramidal muscle-fascial strips. Rothauge CF, et al. **Urology** 1983 Dec;22(6):644–5
Endoscopic suspension of vesical neck for urinary incontinence. Schaeffer AJ, et al. **Urology** 1984 May; 23(5):484–94
Combined bladder and urethral drainage catheter. Smith PJ, et al. **Urology** 1984 Aug;24(2):190–1
Elevated serum acid phosphatase and TUR syndrome [letter] Williams RW. **Urology** 1984 Mar;23(3):320
Perspectives on surgical management of feline urethral obstruction. Caywood DD, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):677–90 (33 ref.)
Perineal urethrostomy. Surgical technique and management of complications. Hauptman J. **Vet Clin North Am [Small Anim Pract]** 1984 Jan; 14(1):93–102 (18 ref.)
A follow-up study of the Marshall-Marchetti-Krantz vesicourethral operation for female incontinence. Kjer JJ, et al. **Zentralbl Gynakol** 1983;105(22):1468–71
[Surgical treatment of urinary stress incontinence by using an Ampoxen sling under the urethra] Doganov N, et al. **Akush Ginekol (Sofiia)** 1983;22(4):311–6 (Eng. Abstr.) **(Bul)**
[Reconstruction of the urethra with a transposed pedicle skin-tube from the labium majus] Ke C. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):364 (Eng. Abstr.) **(Chi)**
[Urethroplasty with a skin tube: report of 6 cases] Li JQ. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):423 (Eng. Abstr.) **(Chi)**
[Direct vision internal urethrotomy in the treatment of complete traumatic urethral obstruction and stricture: report of 3 cases] Li YT. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):177 (Eng. Abstr.) **(Chi)**
[One-stage reconstruction of hypospadia by elongation of the anterior urethra] Zhang DS. **Chung Hua Wai Ko Tsa Chih** 1983 Jun;21(6):362-3 (Eng. Abstr.) **(Chi)**
[A technic for plastic surgery of the urethra using the tunica vaginalis testis] Mráz J, et al. **Rozhl Chir** 1983 Jul; 62(7):529–32 (Eng. Abstr.) **(Cze)**
[Internal urethrotomy by the Otis method. The therapeutic effect in women with chronic bladder irritation symptoms and presumed infravesical obstruction] Qvist N. **Ugeskr Laeger** 1983 Oct 17;145(42):3246–8 (Eng. Abstr.) **(Dan)**
[Urethrovesical suspension with autologous fascia tissue by the purely vaginal approach—the short-arm sling operation] Lahodny J. **Geburtshilfe Frauenheilkd** 1984 Feb; 44(2):104–13 (Eng. Abstr.) **(Ger)**
[Success of internal urethrotomy as the 1st operation in male urethral stricture] Esch W, et al. **Z Urol Nephrol** 1983 Nov; 76(11):713–20 (Eng. Abstr.) **(Ger)**
[Risk of epididymitis following transurethral and transvesical bladder neck surgery] Matz M, et al. **Z Urol Nephrol** 1984 Apr;77(4):223–6 (Eng. Abstr.) **(Ger)**
[Further considerations on colpo-suspension by Burch's method in the correction of stress urinary incontinence] Stoppelli I, et al. **Minerva Ginecol** 1983 Jun;35(6):417–21 (Eng. Abstr.) **(Ita)**
[Methods of transurethral bladder neck resection. 2. Clinical studies: comparison of voiding improvement in following a procedure preserving the proximal urethra at 3 to 9 o'clock and total resection] Hama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):956–60 (Eng. Abstr.) **(Jpn)**
[Transurethral anterior sphincterotomy on spinal cord injury patients] Komine S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):566–75 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of total urinary incontinence by the Leadbetter method] Borówka A, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):245–8 (Eng. Abstr.) **(Pol)**
[Surgical treatment of epispadias] Bielowicz-Hilgier A. **Probl Med Wieku Rozwoj** 1983;12:273–81 (Eng. Abstr.) **(Pol)**
[External subcutaneous urethrotomy. Technical modifications] Flores Ginés J, et al. **Arch Esp Urol** 1983 Sep-Oct;36(5):317–25 (Eng. Abstr.) **(Spa)**

URETHRAL DISEASES

[Diverticula of the female urethra. Apropos of 3 cases. Review of the literature] Bañares Baudet F, et al. **Actas Urol Esp** 1984 Mar-Apr;8(2):93–8 (49 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Spontaneous delivery of giant urethral calculus. Khamesra HL, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):173–4
Post-traumatic preprostatic vesicourethral fistula with stricture at apex of prostate as a cause of correctable urinary incontinence. Singh P, et al. **J Indian Med Assoc** 1983 Aug; 81(3–4):60–1, 63
Spinal cord injury and the urethra [editorial] McGuire EJ. **J Urol** 1984 Jun;131(6):1146
Adenocarcinoma arising in female urethral diverticulum. Patanaphan V, et al. **Urology** 1983 Sep;22(3):259–64

CONGENITAL

Splitting the prepuce to provide two independently vascularised flaps: a one-stage repair of hypospadias and congenital short urethra. Harris DL. **Br J Plast Surg** 1984 Jan;37(1):108–16
Congenital diverticulum of male urethra. Netto Júnior NR, et al. **Urology** 1984 Sep;24(3):239–42

DIAGNOSIS

Diverticulum of the female urethra: a report of 50 cases. Rózsahegyi J, et al. **Acta Chir Hung** 1984;25(1):33–8
Vaginal pregnancy presenting as a suburethral cyst. Duckman S, et al. **Am J Obstet Gynecol** 1984 Jul 1; 149(5):572–3
Diverticulum of the urethra: clinical presentation, diagnosis, and management. Lee RA. **Clin Obstet Gynecol** 1984 Jun; 27(2):490–8
Cystourethroscopy in children. Kramer SA. **Endoscopy** 1984 Mar;16(2):64–6
Suburethral diverticulum in the female. Ginsburg DS, et al. **Obstet Gynecol Surv** 1984 Jan;39(1):1–7 (57 ref.)
Imaging methods for evaluating the adult bladder and urethra: an overview. Thornbury JR, et al. **Semin Roentgenol** 1983 Oct;18(4):250–4 (30 ref.)
[Diverticulosis of the female urethra] Barese G, et al. **Minerva Ginecol** 1983 Jul-Aug;35(7–8):511–4 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Apposing suture lines as an important factor towards neo-urethral fistulation in hypospadias surgery in children.

Lau JT. **Aust NZ J Surg** 1983 Dec;53(6):573–5

Incontinence: vesical and urethral fistulas. Symmonds RE. **Clin Obstet Gynecol** 1984 Jun;27(2):499–514

Late development of a urethrocavernous fistula after cavernospongiosum shunt for priapism. Robbins DM, et al. **J Urol** 1984 Jul;132(1):126–7

'Jogger's testicles' in marathon runners [letter] Adno J. **S Afr Med J** 1984 Jun 30;65(26):1036

Urethral fistulae of tuberculous origin. Palaniswamy R, et al. **Singapore Med J** 1984 Feb;25(1):54–6

[Urethrorrhagia in boys] Renouard C, et al. **Chir Pediatr** 1984; 25(2):106–9 (Eng. Abstr.) **(Fre)**

[Urethral fistula due to implanted penile prosthesis] Ginesin Y, et al. **Harefuah** 1984 May 15;106(10):458–9 (Eng. Abstr.) **(Heb)**

[A case of rhabdomyosarcoma of the bladder in a child with urethral prolapse] Nakao M, et al. **Hinyokika Kiyo** 1983 Feb;29(2):233–8 (Eng. Abstr.) **(Jpn)**

[Fistula of the penile urethra caused by a phagedenic chancre] Peyrí E, et al. **Actas Urol Esp** 1984 May–Jun;8(3):243–4 **(Spa)**

HISTORY

'Urethrolithotomy': an ingenious approach of the ancients. Gentile DP. **J Urol** 1984 Aug;132(2):359–60

MICROBIOLOGY

Haemophilus influenzae in genitourinary tract infections. Hall GD, et al. **Diagn Microbiol Infect Dis** 1983 Mar;1(1):65–70

Fastidious bacteria and the urethral syndrome: a 2-year clinical and bacteriological study of 51 women. Maskell R, et al. **Lancet** 1983 Dec 3;2(8362):1277–80

Bacterial colonization of the lower urinary tract in women with long-term indwelling urethral catheter. Eddeland A, et al. **Scand J Infect Dis** 1983;15(4):361–5

Urethral syndrome in women. Latham RH, et al. **Urol Clin North Am** 1984 Feb;11(1):95–101 (49 ref.)

PATHOLOGY

Skene's duct cyst. Miller EV. **J Urol** 1984 May;131(5):966–7

Epidemiology of naturally occurring feline uroliths and urethral plugs. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):481–9

PHYSIOPATHOLOGY

Neuromuscular dysfunction of the bladder and urethra. Friedland GW, et al. **Semin Roentgenol** 1983 Oct; 18(4):255–66

Female urethral syndrome: clinical and urodynamic perspectives. Barbalias GA, et al. **Urology** 1984 Feb; 23(2):208–12

[Vesicourethral dysfunction in children and adolescents] Hradec E, et al. **Rozhl Chir** 1984 Apr;63(4):246–56 (Eng. Abstr.) **(Cze)**

[Evoked motor potentials in the sacral reflex arc. Preliminary results] Opsomer RJ, et al. **Acta Urol Belg** 1983; 51(3):325–33 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Ectopic ureteral orifice masquerading as a urethral diverticulum. Curry NS. **AJR** 1983 Dec;141(6):1325–6

INterventional radiology of the adult bladder and urethra. Amis ES Jr, et al. **Semin Roentgenol** 1983 Oct;18(4):322–30 (29 ref.)

Abnormalities affecting structure and function of the bladder and urethra. Friedenberg RM. **Semin Roentgenol** 1983 Oct; 18(4):307–21 (24 ref.)

Lower urinary tract infections and calculi in the adult. Imray TJ, et al. **Semin Roentgenol** 1983 Oct;18(4):276–87 (29 ref.)

[Borderline between the normal and the pathological in the radiological diagnosis of the posterior male urethra and female urethra in childhood] Taccone A, et al. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):548–53 (Eng. Abstr.) **(Ita)**

[Radiologic findings in male urethral pathology] Bilbao Jaureguízar JI, et al. **Rev Med Univ Navarra** 1984 Mar; 28(1):21–8 **(Spa)**

[Urethrography: anatomical and technical aspects] Bilbao Jaureguízar JI, et al. **Rev Med Univ Navarra** 1984 Mar; 28(1):15–8 **(Spa)**

SURGERY

The repair of urethral fistulae: a simple technique. Campbell G, et al. **Br J Plast Surg** 1984 Apr;37(2):169–70

Fistulae involving rectum and urethra: the place of Parks's operations. Tiptaft RC, et al. **Br J Urol** 1983 Dec; 55(6):711–5

Diverticulum of the urethra: clinical presentation, diagnosis, and management. Lee RA. **Clin Obstet Gynecol** 1984 Jun; 27(2):490–8

York Mason procedure for repair of postoperative rectoprostatic urethral fistula. Prasad ML, et al. **Dis Colon Rectum** 1983 Nov;26(11):716–20

An unusual case of rectourethral fistula. Restoration by using a flap from the bladder. Kokotas N, et al. **Int Urol Nephrol** 1983;15(1):61–3

Bacteraemia during prostatectomy and other transurethral operations: influence of timing of antibiotic administration. Murphy DM, et al. **J Clin Pathol** 1984 Jun;37(6):673–6

Loop colon rectovaginoplasty for high cloacal anomaly. Harrison MR, et al. **J Pediatr Surg** 1983 Dec;18(6):885–6

Inlay fascial graft for the treatment of multiple benign urethral fistulas. Lau JT, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):113–4

Cryosurgery for the urethral syndrome. Boreham P. **J R Soc Med** 1984 Feb;77(2):111–3

Management of giant vesicovaginal and vesicourethrovaginal fistulas. Bissada NK, et al. **J Urol** 1983 Dec;130(6):1073–5

Results of closure of urethrocutaneous fistulas in children. Geltzeiler J, et al. **J Urol** 1984 Oct;132(4):734–6

Closure of the bladder neck in spinal cord injury patients with urethral sphincteric incompetence and irreparable urethral pathological conditions. Hulecki SJ, et al. **J Urol** 1984 Jun;131(6):1119–21

Treatment of male urethral calculi. Selli C, et al. **J Urol** 1984 Jul;132(1):37–9

Suboptimal results in full thickness skin graft urethroplasty using an extrapenile skin donor site. Webster GD, et al. **J Urol** 1984 Jun;131(6):1082–3

Urethrovaginal fistula: a review of the surgical management. Webster GD, et al. **J Urol** 1984 Sep;132(3):460–2

Repair of urinary tract fistulas with bulbocavernosus myocutaneous flaps. Hoskins WJ, et al. **Obstet Gynecol** 1984 Apr;63(4):588–93

Operations on previously operated patients with hypospadias. Frick J, et al. **Prog Pediatr Surg** 1984;17:57–63

[Treatment of an urethrorectal fistula by anterior transanorectal perineal approach. Apropos of a case] Delalande JP, et al. **J Urol (Paris)** 1983;89(7):529–32 (Eng. Abstr.) **(Fre)**

[Reconstruction of the urethra in women using a bladder flap] Ackermann D, et al. **Urologe [Ausg A]** 1984 Jan; 23(1):46–9 (Eng. Abstr.) **(Ger)**

[Urethral prolapse. Case report] Putz A, et al. **Z Kinderchir** 1984 Feb;39(1):80–1 (Eng. Abstr.) **(Ger)**

[Parameatal urethral cyst: a report of 2 cases and review of 32 cases in Japan] Nakame Y, et al. **Hinyokika Kiyo** 1984 May;30(5):695–9 (Eng. Abstr.) **(Jpn)**

[Endoscopic surgery in pediatric urology] Mori Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1799–811 (Eng. Abstr.) **(Jpn)**

[Indications and contraindications for transurethral operations in patients with various diseases of the prostate, bladder and urethra] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):3–9 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of girls with urethral prolapse. Jerkins GR, et al. **J Urol** 1984 Oct;132(4):732–3

[Urethral mucosal prolapse in children at the National Hospital and University Center of Cotonou. Apropos of 13 cases] Akpo EC, et al. **J Urol (Paris)** 1983;89(5):351–3 (Eng. Abstr.) **(Fre)**

URETHRAL NEOPLASMS

Pedunculated polyp of posterior urethra in a child. Vereecken RL, et al. **Br J Urol** 1983 Oct;55(5):575–6

COMPLICATIONS

Acute urinary retention in female patients [letter] Bergman H. **Urology** 1984 Jul;24(1):111

Urinary retention in female patients induced by adenocarcinoma of urethra. Godec CJ, et al. **Urology** 1984 Mar;23(3):256–9

Adenocarcinoma arising in female urethral diverticulum. Patanaphan V, et al. **Urology** 1983 Sep;22(3):259–64

[Carcinoma in diverticulum of female urethra—a case report and review of the literature] Noguchi S, et al. **Hinyokika Kiyo** 1983 Aug;29(8):921–9 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital urethral polyp in an adult. Hutchinson I, et al. **Br J Urol** 1983 Oct;55(5):576–7

DIAGNOSIS

Malignant melanoma of the penis and male urethra. Begun FP, et al. **J Urol** 1984 Jul;132(1):123–5

Sonographic diagnosis of urethral polyp in a child. de Filippi G, et al. **Pediatr Radiol** 1983;13(6):351–2

Neoplasms of the bladder, prostate, and urethra. Lang EK. **Semin Roentgenol** 1983 Oct;18(4):288–98 (44 ref.)

Urethral carcinoma. Schellhammer PF. **Semin Urol** 1983 Feb; 1(1):82–9

Urethral cancer in females. A case history. Ostri P, et al. **Urol Int** 1984;39(2):123–4

DRUG THERAPY

[Treatment of condylomata acuminata in the distal urethra using 5-FU ointment instillations] Rosenthal CL. **Helv Chir Acta** 1983 Jun;50(3):269–71 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Demonstration of human papilloma virus (HPV) antigens in a case of urethral condyloma. Syrjänen KJ, et al. **Scand J Urol Nephrol** 1983;17(3):267–70

PATHOLOGY

Nephrogenic adenoma in female urethra. Furusato M, et al. **Acta Pathol Jpn** 1983 Sep;33(5):1009–15

Clear cell adenocarcinoma of the urethra. Assimos DG, et al. **J Urol** 1984 Mar;131(3):540–1

Papillary adenoma of the prostatic urethra. Baroudy AC, et al. **J Urol** 1984 Jul;132(1):120–2

Relationship of leukoplakia to urothelial malignancy. Benson RC Jr, et al. **J Urol** 1984 Mar;131(3):507–11

Benign prostatic epithelial polyp of the urethra. Eglen DE, et al. **J Urol** 1984 Jan;131(1):120–2

Villous adenocarcinoma of the male urethra. Lieber MM, et al. **J Urol** 1983 Dec;130(6):1191–3

Papillomas of prostatic urethra with prostatic-type epithelium: report of eight cases. Lubin J, et al. **Mt Sinai J Med (NY)** 1984 Apr;51(2):218–21

[Fibroadenoma of the paraurethral glands. A new tumoral entity?] Bertrand G, et al. **Ann Pathol** 1984 Apr–May; 4(2):147–50 (Eng. Abstr.) **(Fre)**

[A case of papillary adenocarcinoma of the prostate] Fukuoka H, et al. **Hinyokika Kiyo** 1984 May;30(5):663–9 (Eng. Abstr.) **(Jpn)**

[Two cases of primary urethral carcinoma in females] Yamada Y, et al. **Hinyokika Kiyo** 1983 Aug;29(8):941–5 (Eng. Abstr.) **(Jpn)**

[A case of mesonephric adenocarcinoma arising from the Gartner's duct cyst] Nemoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2148–53 (Eng. Abstr.) **(Jpn)**

[Primary melanoma of the male urethra. A review of the literature] Fernández Madrigal F, et al. **Actas Urol Esp** 1984 May–Jun;8(3):221–4 (12 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Urethral filling defect (solitary or multiple). Hanslits ML. **Semin Roentgenol** 1983 Oct;18(4):245

Condylomata acuminata: diagnosis and follow-up by retrograde urethrography. Sawczuk I, et al. **Urol Radiol** 1983;5(4):273–4

RADIOTHERAPY

Radiation therapy in primary carcinoma of the female urethra. II. An update on results. Prempree T, et al. **Cancer** 1984 Aug 15;54(4):729–33

Radiation therapy for primary carcinoma of the female urethra: a survey over 25 years. Weghaupt K, et al. **Gynecol Oncol** 1984 Jan;17(1):58–63

SECONDARY

[Urethral occurrence of bladder cancer following cystectomy] Akaza H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1436–9 **(Jpn)**

SURGERY

Primary squamous cell carcinoma of anterior male urethra. Anderson KA, et al. **Urology** 1984 Feb;23(2):134–40

Primary carcinoma of male urethra. Hopkins SC, et al. **Urology** 1984 Feb;23(2):128–33

THERAPY

Condyloma acuminatum of the urethra: problems in eradication. Cetti NE. **Br J Surg** 1984 Jan;71(1):57

Treatment of genitourinary rhabdomyosarcoma in children. Ghavimi F, et al. **J Urol** 1984 Aug;132(2):313–9

VETERINARY

Radiographic appearance of pulmonary metastases from transitional cell carcinoma of the bladder and urethra of the dog. Walter PA, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):411–8

URETHRAL OBSTRUCTION

COMPLICATIONS

Urethral valves in an adult—an unusual cause of retrograde ejaculation. Fieldman NR, et al. **Br J Urol** 1984 Feb; 56(1):101–2

Multiple urethral calculi—an unusual cause of acute retention of urine. Shah PJ. **Br J Urol** 1983 Oct;55(5):573–4

Urethral obstruction and prostatitis. Chiari R. **Int Urol Nephrol** 1983;15(3):245–55

Pseudotumour of the kidney secondary to posterior urethral valves: the role of renal backflow and perirenal extravasation. Eklöf O, et al. **Pediatr Radiol** 1984; 14(4):215–9

[Obstruction of the fetal urinary system caused by a urethral valve—a case report] Klug PW, et al. **Z Geburtshilfe Perinatol** 1984 May–Jun;188(3):148–9 (Eng. Abstr.) **(Ger)**

[Urinary infections and uropathies] Vallo A, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 19:31–3 **(Spa)**

CONGENITAL

Andrological implications of congenital posterior urethral valves in adults. A case of retained ejaculation and review in western literature. Páramo PG, et al. **Eur Urol** 1983; 9(6):359–61

The perineal urethrotomy approach to posterior urethral valves. Garg SK, et al. **J Urol** 1983 Dec;130(6):1146–9
[Prune belly syndrome, a secondary urethral functional obstruction due to prostatic hypoplasia] Moerman P, et al. **J Genet Hum** 1984 Jun;32(2):141–3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Antenatal diagnosis of renal anomalies with ultrasound. I. Obstructive uropathy. Hobbins JC, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):868–77
The natural course of early intrauterine urethral obstruction. Korenromp MJ, et al. **Am J Obstet Gynecol** 1983 Oct 15; 147(4):465–6
Role of urethral pressure profilometry in evaluation of patients with prostatism. Rao MS, et al. **Indian J Med Res** 1983 May;77:728–32
Demonstration of the dilated prostatic urethra in posterior urethral valve patients. McAlister WH. **J Ultrasound Med** 1984 Apr;3(4):189–90

DRUG THERAPY

[Clinical effect of new alpha-adrenergic blocker on micturition disturbance of neurogenic bladder and lower urinary tract obstruction] Takimoto Y, et al. **Hinyokika Kiyo** 1983 Feb;29(2):255–63 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Urethral lithiasis. De Bruyne R, et al. **Acta Urol Belg** 1983; 51(3):334–9
Squamous metaplasia of the verumontanum with obstruction due to hypertrophy: long-term effects of estrogen on the prostate in an aging male-to-female transsexual. Goodwin WE, et al. **J Urol** 1984 Mar;131(3):553–4
Pathogenesis of the prune-belly syndrome: a functional urethral obstruction caused by prostatic hypoplasia. Moerman P, et al. **Pediatrics** 1984 Apr;73(4):470–5

PATHOLOGY

Collagen content in the rat urinary bladder subjected to infravesical outflow obstruction. Uvelius B, et al. **J Urol** 1984 Sep;132(3):587–90
Smooth muscle cell hypertrophy and hyperplasia in the rat detrusor after short-time infravesical outflow obstruction. Uvelius B, et al. **J Urol** 1984 Jan;131(1):173–6

PHYSIOPATHOLOGY

[Use of flowmetry in nodular hyperplasia of the prostate] Rodrigues Netto Jr N, et al. **Arch Esp Urol** 1983 Mar–Apr; 36(2):133–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Congenital stenosis of the male urethra. Gaisie G, et al. **AJR** 1984 Jun;142(6):1269–71
Acquired obstructions of the lower urinary tract in children. Hertz M, et al. **Urol Radiol** 1983;5(3):149–57, 159–60

SURGERY

Percutaneous nephrostomy for urinary tract obstruction. Barbaric ZL. **AJR** 1984 Oct;143(4):803–9
In utero management of fetal urinary tract obstruction: case report. Rudeen RL, et al. **Milit Med** 1984 Feb;149(2):87–8
The effect of anteromedian sphincterotomy on penile erections in patients with neuropathic bladder. Philp NH, et al. **Paraplegia** 1983 Oct;21(5):301–4
Posterior urethral valve. A review of 120 cases. Aaronson IA. **S Afr Med J** 1984 Mar 17;65(11):418–22
Use of ureter of nonfunctioning renal unit in pediatric urinary reconstruction. Noe HN, et al. **Urology** 1984 Feb; 23(2):144–7
Perspectives on surgical management of feline urethral obstruction. Caywood DD, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):677–90 (33 ref.)
Use of anesthetic agents in cats with obstructive uropathy. Raffe MR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):691–702 (26 ref.)
[Direct vision internal urethrotomy in the treatment of complete traumatic urethral obstruction and stricture: report of 3 cases] Li YT. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):177 (Eng. Abstr.) **(Chi)**

THERAPY

Use and misuse of indwelling urinary catheters in cats. Lees GE, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May;14(3):599–608
Immediate relief of feline urethral obstruction. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):585–97
[Cystic drainage of a fetal obstructive uropathy. Apropos of a case] Nisand I, et al. **Ann Radiol (Paris)** 1983 Jun–Jul; 26(5):437–40 (Eng. Abstr.) **(Fre)**
[Obstructive posterior urethral valves. A series of 82 cases] Cukier J, et al. **J Urol (Paris)** 1983;89(9):629–34 (Eng. Abstr.) **(Fre)**

VETERINARY

Management of acute illness in cats. Feline urologic syndrome. Hause WR. **Mod Vet Pract** 1984 May; 65(5):359–62
Emergency treatment of urethral obstruction in male cats. Kolata RJ. **Mod Vet Pract** 1984 Jul;65(7):517–21
Diet-induced feline urethral obstruction. Finco DR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):529–36
Perineal urethrostomy. Surgical technique and management of complications. Hauptman J. **Vet Clin North Am [Small Anim Pract]** 1984 Jan; 14(1):93–102 (18 ref.)
Localization of feline urethral obstruction. Johnston GR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):555–66
Redefinition of the feline urologic syndrome: feline lower urinary tract disease with heterogeneous causes. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May;14(3):409–38 (69 ref.)
Adverse drug reactions in cats with feline urethral obstruction. Riviere JE. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):703–9 (22 ref.)
Urethral ballistics [letter] **Vet Rec** 1984 Apr 21;114(16):412
[Removal of a urethra obstruction in tomcats using a Braunule] Mekel JF. **Tijdschr Diergeneeskd** 1983 Nov 15; 108(22):868 (Eng. Abstr.) **(Dut)**

URETHRAL STRICTURE

COMPLICATIONS

Post-traumatic preprostatic vesicourethral fistula with stricture at apex of prostate as a cause of correctable urinary incontinence. Singh P, et al. **J Indian Med Assoc** 1983 Aug; 81(3–4):60–1, 63
Complications and management of childhood urethral stricture disease. Noe HN. **Urol Clin North Am** 1983 Aug; 10(3):531–6

CONGENITAL

[Anatomical defects of the urinary tract in children treated in a pediatric hospital] Stolarczyk J, et al. **Wiad Lek** 1983 Sep 1;36(17):1421–6 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Use of uroflowmetry as a method of evaluating obstruction of the lower urinary tract] Minkov N, et al. **Khirurgiia (Sofiia)** 1983;36(6):551–6 **(Rus)**

ETIOLOGY

Urethral stricture after transurethral resection. Fuhse J, et al. **Int Urol Nephrol** 1984;16(1):33–8
Role of urethral ischemia in the development of urethral strictures after cardiovascular surgery: a preliminary report. Abdel-Hakim A, et al. **J Urol** 1984 Jun; 131(6):1077–9
Urethral stricture after cardiovascular surgery, a retrospective and a prospective study. Abdel-Hakim A, et al. **J Urol** 1983 Dec;130(6):1100–2
Complications of hypospadias repair. Shapiro SR. **J Urol** 1984 Mar;131(3):518–22
Unexpected urethral strictures after short-term catheterization in open-heart surgery. Ruutu M, et al. **Scand J Urol Nephrol** 1984;18(1):9–12

HISTORY

Shusruta of India, the pioneer in the treatment of urethral stricture. Das S. **Surg Gynecol Obstet** 1983 Dec; 157(6):581–2

RADIOGRAPHY

Functional evaluation of anterior urethral strictures with combined antegrade and retrograde urethrography. Asklin B, et al. **Scand J Urol Nephrol** 1984;18(1):1–7
Acquired obstructions of the lower urinary tract in children. Hertz M, et al. **Urol Radiol** 1983;5(3):149–57, 159–60
[Value of infusion urethrocystography for the assessment of complications of prostatectomy] Ziemiański A, et al. **Pol Przegl Radiol (Warszawa)** 1983 Jul–Aug;47(4):331–4 (Eng. Abstr.) **(Pol)**

SURGERY

Direct vision internal urethrotomy. Jakobsen H, et al. **Ann Chir Gynaecol** 1984;73(2):97–9
Meatoplasty for gross urethral stenosis: a technique of repair and a review of 32 cases. Parkash S, et al. **Br J Plast Surg** 1984 Jan;37(1):117–20
The impact of optical urethrotomy on the management of urethral strictures. Chilton CP, et al. **Br J Urol** 1983 Dec; 55(6):705–10
Long-term results of optical urethrotomy. Smith PJ, et al. **Br J Urol** 1983 Dec;55(6):698–700
Optical urethrotomy—a 3-year experience. Stone AR, et al. **Br J Urol** 1983 Dec;55(6):701–4
Urethrotomy under direct vision: the primary treatment for urethral stricture. Barkin M, et al. **Can J Surg** 1983 Sep; 26(5):430–1
Patch autografts in the treatment of urethral stricture. Goldenberg SL, et al. **Can J Surg** 1983 Sep;26(5):418–22
One-stage urethroplasty for urethral stricture. Free full thickness skin graft versus cutaneous island flap urethroplasty. Boccon-Gibod L, et al. **Eur Urol** 1984; 10(1):32–5
Circumferential multiple radial visually-controlled urethrotomy. Djulepa J, et al. **Int Urol Nephrol** 1983; 15(1):51–9
Surgical treatment of urethral stricture: still a problem? Novak R. **Int Urol Nephrol** 1983;15(1):43–9
Meatoplasty. Singh AK, et al. **J Indian Med Assoc** 1983 Sep; 81(5–6):85–6
Late results of optical urethrotomy [letter] Hartfall WG, et al. **J R Soc Med** 1984 Jun;77(6):529
Late results of optical urethrotomy. Smith PJ, et al. **J R Soc Med** 1984 Feb;77(2):105–7
Aesthetic repair of meatal stricture. De Sy WA. **J Urol** 1984 Oct;132(4):678–9
Endourethral urethroplasty—use of a new catheter. Gaur DD. **J Urol** 1983 Nov;130(5):905–8
One-stage membranous urethroplasty in childhood. Hayden LJ, et al. **J Urol** 1984 Aug;132(2):311–2
Strictures of the male urethra treated by the Otis method. Hjortrup A, et al. **J Urol** 1983 Nov;130(5):903–4
One-stage skin graft urethroplasty in anterior middle urethra: a new procedure. Lenzi R, et al. **J Urol** 1984 Apr; 131(4):660–3
Neodymium: YAG laser treatment of benign urethral strictures. Smith JA Jr, et al. **J Urol** 1984 Jun;131(6):1080–1
Direct vision urethrotomy in the management of urethral strictures: (a preliminary report). Elem B. **Med J Zambia** 1983 Apr;17(2):46–8
External bladder—amniotic fluid shunt for fetal urinary tract obstruction. Shalev E, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):31S–34S
Comparison of Ombrédanne's, Denis Browne's, and Cecil Leveuf's methods. Gharib M. **Prog Pediatr Surg** 1984; 17:65–9
Tunica vaginalis patch graft urethroplasty. Roemer KR, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):145–8
Optical urethrotomy as ambulatory procedure. Andronaco RB, et al. **Urology** 1984 Sep;24(3):268–70
Neodymium-YAG laser: new treatment for urethral stricture disease. Shanberg AM, et al. **Urology** 1984 Jul;24(1):15–7
[Direct vision internal urethrotomy in the treatment of complete traumatic urethral obstruction and stricture: report of 3 cases] Li YT. **Chung Hua Wai Ko Tsa Chih** 1984 Mar;22(3):177 (Eng. Abstr.) **(Chi)**
[Personal experience with the treatment of strictures of the male urethra] Kučera J, et al. **Rozhl Chir** 1984 Apr; 63(4):241–5 (Eng. Abstr.) **(Cze)**
[A technic for plastic surgery of the urethra using the tunica vaginalis testis] Mráz J, et al. **Rozhl Chir** 1983 Jul; 62(7):529–32 (Eng. Abstr.) **(Cze)**
[1-step urethroplasty using Devine's technic. Its use in 18 cases of urethral stricture] Tobelem G, et al. **J Chir (Paris)** 1984 May;121(5):371–4 (Eng. Abstr.) **(Fre)**
[Modified MLW resectoscope for use as a urethrotome in urethrotomia interna] Bog H, et al. **Z Urol Nephrol** 1984 Apr;77(4):227–9 (Eng. Abstr.) **(Ger)**
[Success of internal urethrotomy as the 1st operation in male urethral stricture] Lesch W, et al. **Z Urol Nephrol** 1983 Nov; 76(11):713–20 (Eng. Abstr.) **(Ger)**
[Endoscopic urethrotomy in urethral stricture] Shental J, et al. **Harefuah** 1983 Apr 1;104(7):277–8 (Eng. Abstr.) **(Heb)**
[Treatment of urethral strictures and stenosis of the neck of the urinary bladder after adenomectomy of the prostate gland by the partial tunnelization method] Maletin AG. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):43–6 (Eng. Abstr.) **(Rus)**
[Various problems in pediatric urology] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):6–10 (Eng. Abstr.) **(Rus)**
[External subcutaneous urethrotomy. Technical modifications] Flores Ginés J, et al. **Arch Esp Urol** 1983 Sep–Oct;36(5):317–25 (Eng. Abstr.) **(Spa)**
[Endoscopic treatment of urethral stenosis] Netto Júnior NR, et al. **Arch Esp Urol** 1983 Jul–Aug;36(4):280–4 (Eng. Abstr.) **(Spa)**

THERAPY

Coaxial balloon dilation and calibration of urethral strictures. Giesy JD, et al. **Am J Surg** 1984 May;147(5):611–4
Percutaneous antegrade urethral catheterization of the traumatized urethra. Lee WJ, et al. **Radiology** 1984 Apr; 151(1):250
Modified three-way catheter for urethral stricture repair. Albert NE, et al. **Urology** 1984 Jul;24(1):77–8
[Self-treatment in stricture of the external meatus of the urethra with chlorhexidine lignocaine gel] Aagaard J, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3011 (Eng. Abstr.) **(Dan)**
[The striated urethral sphincter in man] de Leval J. **Acta Urol Belg** 1984 Jan;52(1):5–147 (Eng. Abstr.) **(Fre)**

URETHRITIS

COMPLICATIONS

The importance and frequency of mixed infections with Chlamydia trachomatis and mycoplasmas in acute gonococcal urethritis. Jahn G, et al. **S Afr Med J** 1984 Mar 24;65(12):462–7

[Urethrorrhagia in boys] Renouard C, et al. **Chir Pediatr** 1984; 25(2):106–9 (Eng. Abstr.) **(Fre)**

[Male dysuria: urethritis or prostatitis?] Gueissaz N, et al. **Rev Med Suisse Romande** 1984 Mar;104(3):249–56 **(Fre)**

[Non-gonococcal urethritis complicated by partial necrosis of the prepuce] Kukushkin AM, et al. **Vestn Dermatol Venerol** 1983 Nov;(11):62–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

ABC of sexually transmitted diseases. Urethral discharge: diagnosis. Adler MW. **Br Med J [Clin Res]** 1983 Nov 5; 287(6402):1360–2

The urethral syndrome. Scotti RJ, et al. **Clin Obstet Gynecol** 1984 Jun;27(2):515–29 (41 ref.)

Rapid detection of Chlamydia trachomatis [letter] Berrón S, et al. **Lancet** 1984 Jul 14;2(8394):109–10

Rapid detection of Chlamydia trachomatis with monoclonal antibodies [letter] Mallinson H, et al. **Lancet** 1984 May 26; 1(8387):1180–1

Definitions of infectious and infectious-like conditions in the lower genital tract of the female. Weström L, et al. **Scand J Infect Dis [Suppl]** 1983;40:65–70

Diagnosis of urethritis: role of polymorphonuclear leukocyte counts in gram-stained urethral smears. Arya OP, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):10–7

Diagnosis and treatment of urethritis in men. Mellors JW. **Yale J Biol Med** 1983 Mar–Apr;56(2):109–19

[Gonorrheo-mycoplasmal infection in man (clinico-laboratory study)] Delektorskiĭ VV, et al. **Vestn Dermatol Venerol** 1983 Jul;(7):11–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of acute gonococcal urethritis in men with simultaneous infection with Chlamydia trachomatis. Csángó PA, et al. **Br J Vener Dis** 1984 Apr;60(2):95–8

Failure of pivampicillin in treating chlamydial infections [letter] Hagdrup H, et al. **Br J Vener Dis** 1984 Jun;60(3):204

Treating gonococcal urethritis in men: oral amoxycillin potentiated by clavulanate compared with intramuscular procaine penicillin. Latif AS, et al. **Br J Vener Dis** 1984 Feb;60(1):29–30

Intraurethral immunoglobulin in the treatment of non-specific urethritis. Spelman DW, et al. **Br J Vener Dis** 1984 Feb;60(1):58–9

ABC of sexually transmitted diseases. Urethral discharge: management. Adler MW. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1452–3

Cefoperazone for urethritis due to penicillinase-producing Neisseria gonorrhoeae. Kim JH, et al. **Clin Ther** 1984; 6(2):193–7

A single injection of moxalactam for acute gonorrhea. Lutz B, et al. **Clin Ther** 1983;5(5):509–14

A combined treatment in prevention of postgonococcal urethritis. Patrone P, et al. **Dermatologica** 1984;168(6):300–2

A pilot study on tetracycline therapy in chlamydial urethritis. Mishra B, et al. **Indian J Med Res** 1984 Feb;79:191–3

Effectiveness of aztreonam, a new monobactam antibiotic, against penicillin-resistant gonococci. Miller LK, et al. **J Infect Dis** 1983 Sep;148(3):612

Treatment of uncomplicated gonorrhea with rosoxacin. Limsuwan A, et al. **J Med Assoc Thai** 1983 Dec; 66(12):770–4

Acute renal failure associated with rifampicin therapy for urethritis. A case report. Vathesatogkit P, et al. **J Med Assoc Thai** 1983 Jun;66(6):356–9

Kanamycin in the treatment of gonococcal urethritis in males. Lim Huat Bee. **Med J Malaysia** 1983 Sep;38(3):182–4

Urethritis and epididymitis. Berger RE. **Semin Urol** 1983 May;1(2):138–45

The management of urethrocystitis in women. Ronald AR. **Semin Urol** 1983 May;1(2):114–20

Ceftizoxime (FK-749) is effective therapy for urethritis caused by penicillinase-producing Neisseria gonorrhoeae. Harrison WO, et al. **Sex Transm Dis** 1984 Jan–Mar; 11(1):30–1

Persistence of Mycoplasma hominis after therapy: importance of tetracycline resistance and of coexisting vaginal flora. Koutsky LA, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):374–81

One gram of cefoxitin cures uncomplicated gonococcal urethritis caused by penicillinase-producing Neisseria gonorrhoeae (PPNG). Sanchez PL, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):135–7

Cefonicid as therapy for uncomplicated gonococcal urethritis caused by penicillinase-producing Neisseria gonorrhoeae. Sanchez PL, et al. **West J Med** 1984 Feb;140(2):224–6

[The treatment of nongonococcal urethritis with minocycline] Vandendris M, et al. **Acta Urol Belg** 1983; 51(3):368–72 (Eng. Abstr.) **(Fre)**

[Treatment of non-gonococcal urethritis] Hubrechts JM. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):149–55 (Eng. Abstr.) **(Fre)**

[Doxycycline in the treatment of non-specific urethritis and/or prostatitis] Hofstetter A, et al. **Urologe [Ausg A]** 1984 May;23(3):145–8 (Eng. Abstr.) **(Ger)**

[Treatment of non-gonococcal urethritis with minocycline] Albanese A, et al. **Clin Ter** 1984 Jan 31;108(2):125–35 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Mycoplasma infections of the human urogenital tract with particular reference to non-gonococcal urethritis. Taylor-Robinson D. **Ann Microbiol (Paris)** 1984 Jan–Feb; 135A(1):129–34

Urethritis caused by group B streptococci: a case report. Chowdhury MN, et al. **Br J Vener Dis** 1984 Feb;60(1):56–7

Nongonococcal urethritis and lymphogranuloma venereum. Bowie WR. **Cutis** 1984 Jan;33(1):97–100, 103–4, 109–10

Rhinosporidiosis of urethra. Joseph MK, et al. **J Indian Med Assoc** 1984 Feb;82(2):66–7

DNA hybridization technique for the detection of Neisseria gonorrhoeae in men with urethritis. Totten PA, et al. **J Infect Dis** 1983 Sep;148(3):462–71

The urethral syndrome. Fihn SD, et al. **Semin Urol** 1983 May;1(2):121–9

The role of mycoplasmas in non-gonococcal urethritis: a review. Taylor-Robinson D. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):537–43 (34 ref.)

[Clinical problems of Chlamydia trachomatis urethritis] Oriel JD. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):107–12 (Eng. Abstr.) **(Fre)**

[Non-gonococcal urethritis and prostatitis. Epidemiologic and etiologic aspects] Greco M. **Recenti Prog Med** 1984 Feb;75(2):101–13 (51 ref.) (Eng. Abstr.) **(Ita)**

[Pathogenesis of the urethral syndrome in women] Kan DV, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):61–3 (3 ref.) (Eng. Abstr.) **(Rus)**

[Urethritis in men caused by Chlamydia trachomatis] Sádecký E, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar; 33(2):71–5 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

[Detection of immunological shifts with respect to Chlamydia in patients with urogenital pathology] Gorovits ES, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):89–91 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Acute epididymitis and Chlamydia trachomatis. Nilsson S, et al. **Ann Chir Gynaecol** 1984;73(1):42–4

Chlamydia trachomatis urethral infections in men. Prevalence, risk factors, and clinical manifestations. Stamm WE, et al. **Ann Intern Med** 1984 Jan;100(1):47–51

Penicillinase producing gonococci in Sri Lanka. Wickremesinghe RS, et al. **Ceylon Med J** 1982 Dec; 27(4):185–8

Characterization of Staphylococcus saprophyticus strains isolated from the urethra and the vagina. Tselenis-Kotsowilis A, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):476–7

Characteristics of a gram-negative anaerobe isolated from men with non-gonococcal urethritis. Fontaine EA, et al. **J Med Microbiol** 1984 Apr;17(2):129–40

Persistent nongonococcal urethritis associated with a minocycline-resistant strain of Ureaplasma urealyticum: a case report. Magalhães M. **Sex Transm Dis** 1983 Jul–Sep; 10(3):151–2

Role of genital mycoplasmas in nongonococcal urethritis and prostatitis. Oriel JD. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):263–70

Etiologic role of Mycoplasma hominis and Ureaplasma urealyticum in women with the acute urethral syndrome. Stamm WE, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):318–22

Evaluation of culture media for the recovery of Mycoplasma hominis from the human urogenital tract. Tully JG, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):256–60

Nongonococcal urethritis. Bowie WR. **Urol Clin North Am** 1984 Feb;11(1):55–64 (27 ref.)

Gonococcal urethritis. Harrison WO. **Urol Clin North Am** 1984 Feb;11(1):45–53 (60 ref.)

Quantitative studies on the role of Ureaplasma urealyticum in non-gonococcal urethritis and chronic prostatitis. Brunner H, et al. **Yale J Biol Med** 1983 Sep–Dec; 56(5–6):545–50

[Isolation and microscopic detection of Chlamydia trachomatis on tissue cultures of McCoy and BGM (buffalo green monkey) cells from urethral smears of men with the clinical diagnosis of nonspecific urethritis] Strauss J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):129–35 (Eng. Abstr.) **(Cze)**

[Isolation of 4 strains of penicillinase-producing Gonococci (letter)] Zot MC, et al. **Presse Med** 1983 Dec 17;12(46):2948 **(Fre)**

[Detection of Chlamydia trachomatis in 150 cases of Urethritis and persistent cervicitis] Colimon R, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):113–23 (Eng. Abstr.) **(Fre)**

[Bacteriological studies of N. gonorrhoeae isolated from gonorrheal urethritis in 1982] Okazaki T, et al. **Kansenshogaku Zasshi** 1983 Sep;57(9):808–16 (Eng. Abstr.) **(Jpn)**

[Determination of the incubation time and infectivity of sexual partners in chlamydial urethritis] Dajek Z. **Przegl Dermatol** 1983 Jan–Feb;70(1):81–6 (Eng. Abstr.) **(Pol)**

[Bacterial flora of the urogenital tract in men with non-gonorrheal urethritis] Lawrynowicz R, et al. **Przegl Dermatol** 1984 Jan–Feb;71(1):47–51 (Eng. Abstr.) **(Pol)**

[Culture diagnosis of Ureaplasma urealyticum in inflammatory diseases of the urogenital tract] Delektorskiĭ VV, et al. **Vestn Dermatol Venerol** 1984 May;(5):24–8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Incidence of urogenital trichomoniasis among high risk Sudanese groups. Omer EE, et al. **East Afr Med J** 1984 Feb;61(2):140–4

A survey of genital infections in patients attending a clinic for sexually transmitted diseases. Staerfelt F, et al. **Scand J Infect Dis [Suppl]** 1983;40:53–7

[Gonococcal and nongonococcal urethritis in the male. Apropos of 100 cases treated with doxycycline polyphosphate] Privat Y, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1057–60 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Acute diffused periurethritis (urinary phlegmon)] Solís WA. **Actas Urol Esp** 1984 Mar–Apr;8(2):109–14 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Physicochemical and morphofunctional indices of the spermatozoa obtained in a single ejaculate in 3 portions from patients with chronic urethritis and prostatitis] Iunda IF, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):51–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Abnormal urethrogram in bulbar urethritis of male childhood. Barton E, et al. **Br J Radiol** 1983 Oct; 56(670):760–1

TRANSMISSION

Trichomoniasis: mechanism of infection, recurrences and reinfections in man. Bedoya JM. **Gynakol Rundsch** 1983; 23 Suppl 2:10–5

URIC ACID

Piroxicam (Feldene) predisposes to chemotherapy-induced acute uric acid nephropathy [letter] Pulliam JP, et al. **Arthritis Rheum** 1984 Jan;27(1):116–7

Modification of sulfhydryl groups of creatine kinase by urate. Madelian V, et al. **Clin Biochem** 1984 Jun;17(3):173–4

Dissolution of uric acid calculi. Rodman JS, et al. **J Urol** 1984 Jun;131(6):1039–44

Uric acid and calcium oxalate nephrolithiasis. Coe FL. **Kidney Int** 1983 Sep;24(3):392–403

Mitral stenosis associated with valvular tophi. Scalapino JN, et al. **Mayo Clin Proc** 1984 Jul;59(7):509–12

Effects of sodium urate and uric acid crystals on the crystallization of calcium oxalate. Tiselius HG. **Urol Res** 1984;12(1):11–5

[Test for urine pH stability in urate nephrolithiasis] Pytel' IuA, et al. **Lab Delo** 1984;(3):146–9 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Prevention by 3-N-ribosyluric acid of the oxidation of bovine hemoglobin by sodium nitrite. Smith RC, et al. **Arch Biochem Biophys** 1984 Jul;232(1):348–53

Determination of 6-thiouric acid in human urine. Jackson PJ. **Clin Biochem** 1983 Oct;16(5):285–6

Bilirubin interference with uric acid assay in a Hycel: a look at azino uric acid [letter] Davidson DC, et al. **Clin Chem** 1984 Apr;30(4):584–5

ANALYSIS

Biochemical analysis of human seminal plasma. II. Protein, non-protein nitrogen, urea, uric acid and creatine. Srivastava A, et al. **Andrologia** 1984 May–Jun;16(3):265–8

Separation and quantitation of oxypurines by isocratic high-pressure liquid chromatography: application to xanthinuria and the Lesch-Nyhan syndrome. Crawhall JC, et al. **Biochem Med** 1983 Oct;30(2):261–70

Detection of uric acid in aqueous humor by high pressure liquid chromatography. Lam KW, et al. **Curr Eye Res** 1982–83;2(10):645–9

Stored wheat insect infestation related to uric acid as determined by liquid chromatography. Wehling RL, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):644–7

High-performance liquid chromatography with polarographic and voltammetric anodic detection: simultaneous determination of allopurinol, oxipurinol and uric acid in body fluids. Palmisano F, et al. **J Chromatogr** 1984 Mar 9;306:205–14

Immunoglobulins on the surface of monosodium urate crystals: an immunoelectron microscopic study. Bardin T, et al. **J Rheumatol** 1984 Jun;11(3):339–41

A simple HPLC method for the determination of urate in serum and urine using 8-chlorotheophylline as internal standard. Bennett MJ, et al. **Med Lab Sci** 1984 Apr; 41(2):108–11

A simple spectrophotometric method for the direct determination of uric acid in avian excreta. Marquardt RR. **Poult Sci** 1983 Oct;62(10):2106–8

A rapid high-performance liquid chromatographic method for the quantitation or uric acid in excreta and tissue samples. Marquardt RR, et al. **Poult Sci** 1983 Oct; 62(10):2099–105

[Relation between mineral and pathologic changes in bone tissue. Scanning electron microscopy observations] Mongiorgi R, et al. **Chir Organi Mov** 1982–83;68(3):277–85 (Eng. Abstr.) **(Ita)**

[Correlation between uricemia and uricosuria in diseases of the joints and normal subjects: daily and 3-day dynamics] Loginova TK, et al. **Revmatologiia (Moskva)** 1984 Apr–Jun; (2):3–6 (Eng. Abstr.) **(Rus)**

[Value of diurnal variations of urinary pH for the determination of the chemical composition of urinary calculi] Sernink PS, et al. **Urol Nefrol (Mosk)** 1984 May–Jun;(3):21–6 (Eng. Abstr.) **(Rus)**

[Cutaneous bullous tophaceous gout] Valasco Domínguez E, et al. **Rev Clin Esp** 1983 Nov 15;171(3):221–3 **(Spa)**

BIOSYNTHESIS

Incorporation of 15N from glycine into uric acid in gout: a follow-up study. Yü TF, et al. **Adv Exp Med Biol** 1984; 165 Pt A:119–21

[Effects of nitroimidazole and nitrofuran derivatives on uric acid formation in an anaerobic environment by xanthine oxidase and microsomal nitroreductase] Derache P, et al. **Ann Pharm Fr** 1983;41(3):261–8 (Eng. Abstr.) **(Fre)**

BLOOD

Blood uric acid level and IQ: a study in twin families. Inouye E, et al. **Acta Genet Med Gemellol (Roma)** 1984; 33(2):237–42

Inheritance and alcohol as factors influencing plasma uric acid levels. Whitfield JB, et al. **Acta Genet Med Gemellol (Roma)** 1983;32(2):117–26

Increased plasma vasopressin and serum uric acid in the low renin type of essential hypertension. Skjøtø J, et al. **Acta Med Scand** 1984;215(2):165–72

Serum urate as a predictor of fetal outcome in severe pre-eclampsia. Sagen N, et al. **Acta Obstet Gynecol Scand** 1984;63(1):71–5

Risk grouping of 113 patients with hypertensive disorders during pregnancy, with respect to serum urate, proteinuria and time of onset of hypertension. Liedholm H, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:43–8

Hyperuricemia in primary hyperparathyroidism: incidence and evolution after surgery. Castrillo JM, et al. **Adv Exp Med Biol** 1984;165 Pt A:151–7

Hyperuricaemia in young New Zealand Maori men. Gibson T, et al. **Adv Exp Med Biol** 1984;165 Pt A:123–8

Behaviour of serum urate in renal disease of varying etiology. Gonella M, et al. **Adv Exp Med Biol** 1984;165 Pt A:205–9

Uricostatic effect of allopurinol in the allantoxanamide-treated rat: a new method for evaluating antiuricopathic drugs. Hropot M, et al. **Adv Exp Med Biol** 1984;165 Pt A:175–8

Purine metabolites, uracil and cAMP during exchange transfusion. Manzke H, et al. **Adv Exp Med Biol** 1984;165 Pt A:287–90

Characterization of an urate binding alpha 2-globulin from human serum. Mazzoni MR, et al. **Adv Exp Med Biol** 1984; 165 Pt A:163–6

Evidence of a new type of phosphoribosylpyrophosphate synthetase with abnormal kinetic properties in hyperuricemias. Mousson B, et al. **Adv Exp Med Biol** 1984; 165 Pt B:1–4

Hypouricemia and medullary carcinoma of the thyroid. Puig JG, et al. **Adv Exp Med Biol** 1984;165 Pt A:211–3

The effect of beer ingestion on plasma and urine uric acid in gout and normouricaemic subjects. Rodgers AV, et al. **Adv Exp Med Biol** 1984;165 Pt A:327–31

Serum uric acid levels in psoriasis. Scott JT, et al. **Adv Exp Med Biol** 1984;165 Pt A:283–5

Effect of purine restriction on serum and urine urate in normal subjects. Stafford W, et al. **Adv Exp Med Biol** 1984; 165 Pt A:309–16

Fasting plasma glucose, uric acid, and triglycerides as predictors of the ratio of total cholesterol to HDL-C. Philippi T, et al. **Am J Clin Pathol** 1984 Sep;82(3):329–32

Severe hyperuricemia in patients with volume depletion. Feinstein EI, et al. **Am J Nephrol** 1984 Mar–Apr;4(2):77–80

Serum uric acid, inorganic phosphorus, and glutamic-oxalacetic transaminase and blood pressure in carbohydrate-sensitive adults consuming three different levels of sucrose. Israel KD, et al. **Ann Nutr Metab** 1983; 27(5):425–35

Effect of azlocillin on uric acid levels in serum. Ernst JA, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):609–10

Hypouricemia, inappropriate secretion of antidiuretic hormone, and small cell carcinoma of the lung. Passamonte PM. **Arch Intern Med** 1984 Aug;144(8):1569–70

Hyperuricemia in the inhabitants of the Marshall Islands. Adams WH, et al. **Arthritis Rheum** 1984 Jun;27(6):713–6

Does hyperuricemia protect from rheumatoid inflammation? A clinical study. Agudelo CA, et al. **Arthritis Rheum** 1984 Apr;27(4):443–8

Seasonal variation in serum urate levels [letter] Simons LA. **Aust NZ J Med** 1983 Aug;13(4):391–2

Hyperuricaemia induced by ethambutol. Narang RK, et al. **Br J Dis Chest** 1983 Oct;77(4):403–6

Changes in serum uric acid concentrations during normal pregnancy. Lind T, et al. **Br J Obstet Gynaecol** 1984 Feb; 91(2):128–32

Azapropazone—a treatment for hyperuricaemia and gout? Gibson T, et al. **Br J Rheumatol** 1984 Feb;23(1):44–51

Raised serum urate concentration as risk factor for premature mortality in middle aged men [letter] Takkunen H, et al. **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1161

Technicon SMAC methods for uric acid: uricase and phosphotungstate compared [letter] Kroll MH, et al. **Clin Chem** 1984 Jul;30(7):1273–4

Bilirubin interferes with uric acid determinations involving peroxidase-mediated reactions [letter] Masson F, et al. **Clin Chem** 1984 Mar;30(3):493

Changes in sodium and uric acid concentrations in plasma during the menstrual cycle. Mira M, et al. **Clin Chem** 1984 Mar;30(3):380–1

Measuring urate in the Technicon SMAC by using unbound uricase and omitting dialysis [letter] O'Leary N, et al. **Clin Chem** 1983 Nov;29(11):1993–4

Enzymic assay of plasma urate involving automated colorimetry [letter] Rodger M. **Clin Chem** 1984 Feb; 30(2):335–6

The binding of urate to plasma proteins determined by four different techniques. Hardwell TR, et al. **Clin Chim Acta** 1983 Sep 15;133(1):75–83

Multilayer film analysis of serum uric acid in 2-microliter samples. Neeley WE. **Clin Chim Acta** 1984 Jul 31; 140(3):295–9

T-cell leukaemia presenting with hyperuricaemia, acute renal failure and gout. Maidment CG, et al. **Clin Lab Haematol** 1983;5(4):423–6

Serum uric acid in mild essential hypertension. Barsotti G, et al. **Clin Nephrol** 1983 Sep;20(3):145–8

Effect of cimetidine on serum uric acid concentration. Berardi RR, et al. **Clin Pharm** 1984 Jan–Feb;3(1):56–9

Hyperuricemia, renal failure, and elevated creatine phosphokinase after amoxapine overdose. Thompson M, et al. **Clin Pharm** 1983 Nov–Dec;2(6):579–81

Uric acid metabolism in two patients with coexistent Down's syndrome and gout. Ciompi ML, et al. **Clin Rheumatol** 1984 Jun;3(2):229–33

The rate of purine synthesis de nova in blood mononuclear cells in vitro from patients with familial hyperuricaemic nephropathy. MacDermot KD, et al. **Clin Sci** 1984 Aug; 67(2):249–58

Serum uric acid status of Nigerian children with sickle cell disease. Adeyokunnu AA, et al. **East Afr Med J** 1984 Feb; 61(2):145–9

Preliminary studies with azapropazone in gout and hyperuricaemia. Thomas AL, et al. **Eur J Rheumatol Inflamm** 1983;6(2):149–54

Hypouricemia and hyperuricosuria as expressions of renal tubular damage in primary biliary cirrhosis. Izumi N, et al. **Hepatology** 1983 Sep–Oct;3(5):719–23

The relationship between Achilles tendon rupture and serum uric acid level. Dodds WN, et al. **Injury** 1984 Sep; 16(2):94–5

A simple, rapid and sensitive method for the determination of rat serum uric acid by reversed-phase high-performance liquid chromatography with electrochemical detection. Iwamoto T, et al. **J Chromatogr** 1983 Nov 11;278(1):156–9

Glomerular function and hyperuricaemia in sickle cell disease. Morgan AG, et al. **J Clin Pathol** 1984 Sep; 37(9):1046–9

Effect of Nephrostomum ranosum and Apharyngostrigea ibis on serum, proteins and uric acid of the Egyptian heron. Mansour MA, et al. **J Egypt Soc Parasitol** 1984 Jun; 14(1):275–81

Biochemical and mood responses predictive of stressful diving performance. Biersner RJ, et al. **J Human Stress** 1984 Spring;10(1):43–9

Xanthine oxidase deficiency and 'Dalmatian' hypouricaemia: incidence and effect of exercise. Harkness RA, et al. **J Inherited Metab Dis** 1983;6(3):114–20

Failure to thrive, hyperuricemia, and renal insufficiency in early infancy secondary to partial hypoxanthine-guanine phosphoribosyl transferase deficiency. Lorentz WB Jr, et al. **J Pediatr** 1984 Jan;104(1):94–7

Hypouricaemic effect after oral administration in chickens of polyethylene glycol-modified uricase entrapped in liposomes. Nishida Y, et al. **J Pharm Pharmacol** 1984 May; 36(5):354–5

The management of hyperuricaemia. Bayliss R, et al. **J R Coll Physicians Lond** 1984 Apr;18(2):144–6

Hypouricemic action of diflunisal in gouty patients: in vitro and in vivo studies. Ferraccioli G, et al. **J Rheumatol** 1984 Jun;11(3):330–2

Gout and uric acid nephropathy: some new aspects in diagnosis and treatment. Löffler W, et al. **Klin Wochenschr** 1983 Dec 15;61(24):1233–9

Therapeutics of hyperuricaemia and gout. Emmerson BT. **Med J Aust** 1984 Jul 7;141(1):31–6

Hypouricemia in cirrhosis reflects hemodynamic alterations. Decaux G, et al. **Metabolism** 1984 Aug;33(8):750–3

Serum uric acid concentrations in offspring of conjugal diabetic parents. Mohan V, et al. **Metabolism** 1984 Sep; 33(9):869–71

Management of gout and hyperuricemia. Wisner DE, et al. **Primary Care** 1984 Jun;11(2):283–94

Plasma renin activity, blood uric acid and plasma volume in pregnancy-induced hypertension. Fievet P, et al. **Proc Eur Dial Transplant Assoc** 1983;20:520–9

Purine metabolism in high and low uric acid lines of chickens: phosphoribosylpyrophosphate (PRPP) synthetase activities and PRPP pool sizes. McFarland DC, et al. **Proc Soc Exp Biol Med** 1983 Dec;174(3):407–14

A prospective study of the development of hypertension and renal stone disease in subjects with increased blood urate. Ferrie B, et al. **Urol Res** 1983;11(5):211–3

Experiences with a film test for the determination of uric acid in serum. Müller-Frohne M, et al. **Z Med Lab Diagn** 1984;25(4):231–2

[Comparative studies of 3 methods for determining uric acid in the blood serum] Dochev D, et al. **Vutr Boles** 1984; 23(1):98–102 **(Bul)**

[Survey of uric acid among healthy Chinese and its relation to blood lipids] Fang QW. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):434–8 (Eng. Abstr.) **(Chi)**

[Apropos of the concept of uricemia] Tayeau F, et al. **Bull Acad Natl Med (Paris)** 1983 Jan;167(1):49–52 (Eng. Abstr.) **(Fre)**

[Hyperuricemia resistant to urate oxidase. Efficacy of high doses (letter)] Escudier B, et al. **Presse Med** 1984 May 19; 13(21):1340 **(Fre)**

[Hyperuricemia resistant to urate oxidase. Role of anti-serum urate oxidase precipitating antibodies (letter)] Sibony G, et al. **Presse Med** 1984 Feb 18;13(7):443 **(Fre)**

[Uric acid-lowering effect of a combination of benzbromarone and allopurinol—studies under standardized dietary conditions] Löffler W, et al. **Arzneimittelforsch** 1983;33(12):1687–91 (Eng. Abstr.) **(Ger)**

[Uric acid determination in dilute serum with an enzyme electrochemical and enzyme-free sensor] Jänchen M, et al. **Biomed Biochim Acta** 1983;42(9):1055–65 (Eng. Abstr.) **(Ger)**

[Modification of serum uric acid concentration under long-term therapy with the lipid-regulating drug Duolip] Scherhag R. **Fortschr Med** 1983 Sep 22;101(36):1635–7 (Eng. Abstr.) **(Ger)**

[Diet therapy of gout and urate nephrolithiasis] Gröbner W. **Internist (Berlin)** 1984 May;25(5):287–91 **(Ger)**

[Hyperuricemia and gout. Physiopathology, diagnosis and therapy] Sailer D. **Med Welt** 1983 Sep 9;34(36):991–4 **(Ger)**

[The spine and polytopic hyperostoses in gout and hyperuricemia] Štěpán J, et al. **Radiologe** 1983 Aug; 23(8):371–4 (Eng. Abstr.) **(Ger)**

[The treatment of essential hyperuricemia in graduated programs] Thiele P, et al. **Z Arztl Fortbild (Jena)** 1984; 78(12):487–91 **(Ger)**

[Serum uric acid levels in disorders of the rheumatic type] Bošmanský K, et al. **Z Rheumatol** 1984 Mar–Apr; 43(2):59–62 (Eng. Abstr.) **(Ger)**

[Clinical and biological significance of the correlation between glycosylated hemoglobin, blood uric acid and blood triglycerides] Proto G, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):385–91 (Eng. Abstr.) **(Ita)**

[Therapy of gout and hyperuricemia] Pauri A. **Clin Ter** 1983 Dec 15;107(5):417–24 **(Ita)**

[Mechanism of increase in the serum uric acid level caused by theophylline] Morita Y, et al. **Arerugi** 1983 Mar; 32(3):173–7 (Eng. Abstr.) **(Jpn)**

[Changes in the plasma levels of uric acid in rats subjected to immobilization stress] Inaba R. **Nippon Eiseigaku Zasshi** 1983 Oct;38(4):748–57 (Eng. Abstr.) **(Jpn)**

[A case of familial renal hypouricemia associated with bladder cancer] Kitamura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):310–5 (Eng. Abstr.) **(Jpn)**

[Effects of zotepine, a psychotropic agent, on the serum uric acid level of inpatients at a psychiatric hospital] Yoshida H, et al. **Yakubutsu Seishin Kodo** 1982 Dec;2(2):69–76 (Eng. Abstr.) **(Jpn)**

[Arterial hypertension in men aged 40–59 years. III. Mean uric acid level in the serum of hyper- and normotensive persons. Relation between uric acid level and arterial blood pressure, duration of illness, age, cholesterol level and body weight] Grajek S, et al. **Kardiol Pol** 1983;26(2):149–58 (Eng. Abstr.) **(Pol)**

[Arterial hypertension in men aged 40–59 years. IV. Relation between uric acid and potassium and creatinine concentrations in the serum of hyper- and normotensive persons] Grajek S, et al. **Kardiol Pol** 1983;26(2):159–66 (Eng. Abstr.) **(Pol)**

[Treatment of atherosclerosis with hypolipidemic and antiuricemic agents] Plastinina RA, et al. **Sov Med** 1984; (1):83–7 **(Rus)**

[Is hyperuricemia a risk factor?] Mitusova M, et al. **Ter Arkh** 1984;56(5):87–92 **(Rus)**

[Association of risk factors in patients with hyperuricemia] Krajnc I, et al. **Reumatizam** 1983;30(5–6):131–4 (Eng. Abstr.) **(Scr)**

[Is there a correlation between uricemia and erythrocyte

sedimentation?] Horváth G, et al. **Fysiatr Reumatol Vestn** 1983 Dec;61(6):355–60 (Eng. Abstr.) **(Slo)**

[When should hyperuricemia be treated? (editorial)] Rotés Querol J. **Med Clin (Barc)** 1984 May 12;82(18):803–4 **(Spa)**

[Features differentiating between gout and asymptomatic hyperuricemias (1). Clinical study] Bueno Jiménez C, et al. **Rev Clin Esp** 1983 Sep 15;170(5):199–203 (Eng. Abstr.) **(Spa)**

[Features differentiating between gout and asymptomatic hyperuricemias. III. Correlations with metabolic parameters] Gil Micharet MS, et al. **Rev Clin Esp** 1983 Oct 15;171(1):15–8 (Eng. Abstr.) **(Spa)**

[Features differentiating between gout and asymptomatic hyperuricemias. II. Laboratory data] Gil Micharet MS, et al. **Rev Clin Esp** 1983 Sep 30;170(6):279–82 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

[Clinical value of the sequential study of the uric acid in CSF in patients with cerebral diseases: Part I. Brain tumor and the effect of irradiation] Ueda T, et al. **No To Shinkei** 1984 Mar;36(3):255–60 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Phagocytosis of sodium urate and calcium pyrophosphate crystals by leukocytes of gouty, pseudogouty and health donors. de Médicis R, et al. **Eur J Rheumatol Inflamm** 1983; 6(2):143–8

METABOLISM

Ethanol induced alterations of uric acid metabolism. Faller J, et al. **Adv Exp Med Biol** 1984;165 Pt A:457–62

Isotope studies of uric acid metabolism during dietary purine administration. Löffler W, et al. **Adv Exp Med Biol** 1984; 165 Pt A:317–21

Turnover and distribution of 14C-uric acid in psoriatic patients. Mariani G, et al. **Adv Exp Med Biol** 1984;165 Pt A:277–81

Evidence of abnormal renal handling of uric acid in patients with nephrolithiasis and hyperuricosuria. Mateos F, et al. **Adv Exp Med Biol** 1984;165 Pt A:197–200

Renal handling of uric acid in normal subjects: its behaviour with respect to different filtered loads. Mateos F, et al. **Adv Exp Med Biol** 1984;165 Pt A:193–5

Renal handling of uric acid in gout by means of the pyrazinamide and probenecid tests. Puig JG, et al. **Adv Exp Med Biol** 1984;165 Pt A:201–3

Urate deposits without gouty arthritis. Scott JT, et al. **Adv Exp Med Biol** 1984;165 Pt A:133–6

Evidence of a new syndrome involving hereditary uric acid over-production, neurological complications and deafness. Simmonds HA, et al. **Adv Exp Med Biol** 1984;165 Pt A:97–102

IMP dehydrogenase mutants: cell culture model for hyperuricemia. Ullman B. **Adv Exp Med Biol** 1984;165 Pt A:373–9

Severe allopurinol toxicity. Description and guidelines for prevention in patients with renal insufficiency. Hande KR, et al. **Am J Med** 1984 Jan;76(1):47–56

High uric acid and urea clearance in cirrhosis secondary to increased 'effective vascular volume' [letter] Matz R. **Am J Med** 1983 Oct;75(4):A59, A96

Measurement of uric acid, ascorbic acid, and related metabolites in biological fluids. Hatch LL, et al. **Anal Biochem** 1984 May 1;138(2):324–8

Growth of Candida famata and Trichosporon cutaneum on uric acid as the sole source of carbon and energy, a hitherto unknown property of yeasts. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):361–8

An autopsy study of the prevalence of monosodium urate and calcium pyrophosphate dihydrate crystal deposition in first metatarsophalangeal joints. Wall B, et al. **Arthritis Rheum** 1983 Dec;26(12):1522–4

Beer drinking and its effect on uric acid. Gibson T, et al. **Br J Rheumatol** 1984 Aug;23(3):203–9

Absorption and metabolism of allopurinol and oxypurinol by rat jejunum in vitro: effects on uric acid transport. Shaw MI, et al. **Clin Sci** 1984 Mar;66(3):257–67

Effect of hyperosmolar peritoneal dialysis fluid on the elimination of small- and medium-molecular substances. Karátson A, et al. **Int Urol Nephrol** 1983;15(2):187–94

Danger of urography in hyperuricemic children with Burkitt's lymphoma. Mandell GA, et al. **J Can Assoc Radiol** 1983 Dec;34(4):273–7

Use of computerized tomography in the delineation of uric acid calculi. Resnick MI, et al. **J Urol** 1984 Jan;131(1):9–10

Uric acid: functions and determination. Hochstein P, et al. **Methods Enzymol** 1984;105:162–6

Renal handling of urate during water immersion in the nephrotic syndrome. Berlyne GM, et al. **Miner Electrolyte Metab** 1984;10(4):259–62

Renal handling of uric acid in normal subjects by means of the pyrazinamide and probenecid tests. Garcia Puig J, et al. **Nephron** 1983;35(3):183–6

Differential pulse voltammetry in vivo—evidence that uric acid contributes to the indole oxidation peak. Crespi F, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):203–7

Voltammetric carbon paste electrodes monitor uric acid and not 5-HIAA at the 5-hydroxyindole potential in the rat brain. O'Neill RD, et al. **Neurosci Lett** 1984 Mar 9; 45(1):39–46

Lack of effect of low [Ca2+], La3+, and pyrazinoate on urate transport by isolated, perfused snake renal tubules. Dantzler WH, et al. **Pflugers Arch** 1984 Jul;401(3):262–5

Metabolic aspects in gout. Alvsaker JO. **Scand J Rheumatol [Suppl]** 1984;53:54–63

[Metabolic causes of urolithiasis in children and adolescents] Kočvara R, et al. **Cas Lek Cesk** 1983 Sep 16;122(37):1130–4 (Eng. Abstr.) **(Cze)**

[The effect of the injection of water-soluble triiodized monomer contrast media for intravenous urography on glomerular filtration, uricemia and urinary elimination of uric acid in normal subjects] Nicolay D, et al. **J Radiol** 1984 Feb;65(2):107–9 (Eng. Abstr.) **(Fre)**

[Parathyroid function and uric acid metabolism] Yoneda M, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Nov 20; 59(11):1738–51 (Eng. Abstr.) **(Jpn)**

[Urate calculi in children – results of treatment] Gołabek B. **Pediatr Pol** 1984 Jan;59(1):19–27 (Eng. Abstr.) **(Pol)**

[Role of peritoneal dialysis in the elimination of uric acid in patients with uremia] Czrzegorzewska A. **Pol Arch Med Wewn** 1983 Mar;69(3):213–20 (33 ref.) **(Pol)**

[Renal lithiasis: metabolic study and clinical treatment] Schor N, et al. **AMB** 1983 Jan–Feb;29(1–2):21–5 **(Por)**

[The system of active transport of organic acids in the proximal tubules of rats with hereditary retinal degeneration (Campbell strain)] Bresler VM, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):14–6 (Eng. Abstr.) **(Rus)**

[Normal uric acid metabolism parameters measured by an isotope technic] Andrés A, et al. **Med Clin (Barc)** 1983 Jun 18;81(2):47–50 (Eng. Abstr.) **(Spa)**

[Interrelation between the metabolism of alcohol and that of uric acid] García Puig J, et al. **Rev Clin Esp** 1983 Dec 15;171(5):301–4 **(Spa)**

[Metabolism of uric acid in cirrhosis patients] Rodríguez Pérez A, et al. **Rev Esp Enferm Apar Dig** 1984 May; 65(5):433–6 (Eng. Abstr.) **(Spa)**

[Metabolism of uric acid in cirrhosis patients (second part)] Rodríguez Pérez A, et al. **Rev Esp Enferm Apar Dig** 1984 Jun;65(6):511–9 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Urate crystal-induced superoxide radical production by human neutrophils. Salerno C, et al. **Adv Exp Med Biol** 1984;165 Pt A:189–92

Crystal-phagocyte interaction in calcinosis interstitialis. Schopf RE. **Arch Dermatol Res** 1984;276(2):86–90

Effect of urea and uric acid on influenza virus type C. Brief report. Prasad AK, et al. **Arch Virol** 1984;81(3–4):313–9

Inhibition of free radical-induced DNA damage by uric acid. Cohen AM, et al. **FEBS Lett** 1984 Aug 20;174(1):147–50

Uric acid substantially enhances the free radical-induced inactivation of alcohol dehydrogenase. Kittridge KJ, et al. **FEBS Lett** 1984 May 7;170(1):162–4

Formation of leukotriene C4 by human leukocytes exposed to monosodium urate crystals. Serhan CN, et al. **FEBS Lett** 1984 Feb 13;167(1):109–12

The role of the human synovial fibroblast in monosodium urate crystal-induced synovitis. Wigley FM, et al. **J Rheumatol** 1983 Aug;10(4):602–11

Inflammation in the rat paw due to urate crystals. Involvement of the kinin system. Damas J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jan; 325(1):76–9

Formation of leukotrienes and hydroxy acids by human neutrophils and platelets exposed to monosodium urate. Serhan CN, et al. **Prostaglandins** 1984 Apr;27(4):563–81

PHYSIOLOGY

Mechanisms of vascular damage in gout and oxalosis: crystal induced, granulocyte mediated, endothelial injury. Boogaerts MA, et al. **Thromb Haemost** 1983 Aug 30; 50(2):576–80

TOXICITY

Lipoproteins containing apoprotein B are a major regulator of neutrophil responses to monosodium urate crystals. Terkeltaub R, et al. **J Clin Invest** 1984 Jun;73(6):1719–30

URINE

Hepatic ammonia metabolism in a uricotelic treefrog Phyllomedusa sauvagei. Campbell JW, et al. **Am J Physiol** 1984 May;246(5 Pt 2):R805–10

Urine uric acid and urine creatine ratio in acute renal failure. Tungsanga K, et al. **Arch Intern Med** 1984 May; 144(5):934–7

Effect of nonsteroidal anti-inflammatory drugs on the renal excretion of uric acid. Tiitinen S, et al. **Clin Rheumatol** 1983 Sep;2(3):233–6

The role of glycosaminoglycans and uric acid in idiopathic calcium nephrolithiasis. Baggio B, et al. **Contrib Nephrol** 1984;37:5–8

Hourly urate excretion in patients with calcium oxalate stone disease. Tiselius HG, et al. **Contrib Nephrol** 1984;37:36–40

Hypouricemia and hyperuricosuria as expressions of renal tubular damage in primary biliary cirrhosis. Izumi N, et al. **Hepatology** 1983 Sep–Oct;3(5):719–23

Prevention of recurrent uric acid and calcium oxalate stones by administration of the xanthine oxidase inhibitors Milurit 100 and Milurit 300. Schneider HJ, et al. **Int Urol Nephrol** 1983;15(2):121–9

Effects of p-aminohippurate and pyrazinoate on urate excretion in Cebus monkeys. Perez-Gonzalez M, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):252–5

Decreased renal excretion of uric acid following diuretic administration in rats. Iwaki K, et al. **Jpn J Pharmacol** 1984 Apr;34(4):389–96

Effects of uricosuric drugs and diuretics on uric acid excretion in oxonate-treated rats. Yonetani Y, et al. **Jpn J Pharmacol** 1983 Oct;33(5):947–54

Renal handling of uric acid in patients with recurrent calcium nephrolithiasis and hyperuricosuria. Mateos Antón F, et al. **Nephron** 1984;37(2):123–7

Urinary excretion of urate in patients with calcium oxalate stone disease. Tiselius HG, et al. **Urol Res** 1983;11(6):279–83

[Basic problems in the determination of stone-forming salts in the urine (Ca, P, Mg and uric acid)] Koide T, et al. **Nippon Rinsho** 1984 May;42(5):1209–16 **(Jpn)**

[Establishment of the normal ranges of urinary constituents based on probability plotting of power-transformed data] Houki N, et al. **Rinsho Byori** 1983 Jul;31(7):777–82 **(Jpn)**

URICASE see URATE OXIDASE

URICOSURIC AGENTS

CHEMICAL SYNTHESIS

Substituted 5,6-dihydrofuro[3,2-f]-1,2-benzisoxazole-6-carboxylic acids: high-ceiling diuretics with uricosuric activity. Plattner JJ, et al. **J Med Chem** 1984 Aug;27(8):1016–26

(Acylaryloxy)acetic acid diuretics. 5. [(2-Alkyl- and 2,2-disubstituted-1,3-dioxo-5-indanyl)oxy]acetic acids. Woltersdorf OW Jr, et al. **J Med Chem** 1984 Jul;27(7):840–5

PHARMACODYNAMICS

Effects of enantiomers of indacrinone (MK-196) on cation transport by the loop of Henle and distal tubule studied by microperfusion in vivo. Field MJ, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):62–8

Effects of uricosuric drugs and diuretics on uric acid excretion in oxonate-treated rats. Yonetani Y, et al. **Jpn J Pharmacol** 1983 Oct;33(5):947–54

THERAPEUTIC USE

The diagnosis and management of gouty arthritis. Edwards NL. **Compr Ther** 1983 Sep;9(9):14–9

Therapeutics of hyperuricaemia and gout. Emmerson BT. **Med J Aust** 1984 Jul 7;141(1):31–6

[Hyperuricemia and gout; treatment of an acute attack of gout] Gast LF, et al. **Ned Tijdschr Geneeskd** 1983 Dec 3;127(49):2235–7 **(Dut)**

URIDINE

On the mechanism of the acid-catalyzed hydrolysis of uridine to uracil. Evidence for 6-hydroxy-5,6-dihydrouridine intermediates. Prior JJ, et al. **J Biol Chem** 1984 Feb 25; 259(4):2429–34

Synthesis of diazaphenoxathiin nucleosides from 3-deazauridine and their chemical properties. Kaneko M, et al. **Nucleic Acids Symp Ser** 1983;(12):13–6

Thermal and Mg2+ dependent behavior of pseudouridines at 39th and 55th of yeast tRNAPhe. Nagamatsu K, et al. **Nucleic Acids Symp Ser** 1983;(12):133–6

ANALOGS & DERIVATIVES

Tumor markers in colorectal carcinoma. An evaluation of carcinoembryonic antigen, tissue polypeptide antigen, placental alkaline phosphatase and pseudouridine. Rasmuson T, et al. **Acta Radiol [Oncol]** 1984;23(1):27–32

Tumor markers in bronchogenic carcinoma. An evaluation of carcinoembryonic antigen, tissue polypeptide antigen, placental alkaline phosphatase and pseudouridine. Rasmuson T, et al. **Acta Radiol [Oncol]** 1983;22(3):209–14

The effect of deoxycytidine and tetrahydrouridine in purine nucleoside phosphorylase deficiency. Stoop JW, et al. **Adv Exp Med Biol** 1984;165 Pt A:61–6

Purine nucleoside phosphorylase (PNP) deficiency: a therapeutic challenge. Watson AR, et al. **Adv Exp Med Biol** 1984;165 Pt A:53–9

Diagnostic imaging of herpes simplex virus encephalitis using a radiolabeled antiviral drug: autoradiographic assessment in an animal model. Saito Y, et al. **Ann Neurol** 1984 Jun; 15(6):548–58

Strains of varicella-zoster virus resistant to 1-beta-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil. Sakuma T. **Antimicrob Agents Chemother** 1984 Jun; 25(6):742–6

Therapeutic activities of 1-(2-fluoro-2-deoxy-beta-D-arabinofuranosyl)-5-iodocyt and -thymine alone and in combination with acyclovir and vidarabine in mice infected intracerebrally with herpes simplex virus. Schinazi RF, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):95–103

In vitro and in vivo antiviral activity of 1-beta-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil (BV-araU) and related compounds. Machida H, et al. **Antiviral Res** 1984 Jun;4(3):135-41

Antiherpes activity of (E)-5-(2-bromovinyl)- and 5-vinyl-1-beta-D-arabinofuranosyluracil and some other 5-substituted uracil arabinosyl nucleosides in two different cell lines. Reefschläger J, et al. **Antiviral Res** 1983 Sep; 3(3):175-87

Evidence that intracellular synthesis of 5-fluorouridine-5'-phosphate from 5-fluorouracil and 5-fluorouridine is conpartmentalized. Shani J, et al. **Biochem Biophys Res Commun** 1984 Jul 18;122(1):439-45

Effect of guanosine on antitumor activity of fluorinated pyrimidines against P 388 leukemia. Iigo M, et al. **Cancer Chemother Pharmacol** 1984;13(2):86-90

Pseudouridine determination in blood serum as tumor marker. Salvatore F, et al. **Cancer Detect Prev** 1983;6(6):531-6

Transport of uridine and 3-deazauridine in cultured human lymphoblastoid cells. Dahlig-Harley E, et al. **Cancer Res** 1984 Jan;44(1):161-5

Cytotoxic and biochemical effects of thymidine and 3-deazauridine on human tumor cells. Lockshin A, et al. **Cancer Res** 1984 Jun;44(6):2534-9

Use of 5-fluorodeoxycytidine and tetrahydrouridine to exploit high levels of deoxycytidylate deaminase in tumors to achieve DNA- and target-directed therapies. Mekras JA, et al. **Cancer Res** 1984 Jun;44(6):2551-60

Serum pseudouridine as a biochemical marker in the development of AKR mouse lymphoma. Russo T, et al. **Cancer Res** 1984 Jun;44(6):2567-70

Synthesis and biological activities of 5-substituted 6-phenylthio and 6-iodouridines, a new class of antileukemic nucleosides. Tanaka H, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2164-7

Studies on 18F-labeled pyrimidines. II. Metabolic investigation of 18F-5-fluorouracil, 18F-5-fluoro-2'-deoxyuridine and 18F-5-fluorouridine in rats. Ishiwata K, et al. **Eur J Nucl Med** 1984;9(4):185-9

Quantitative determination of nucleosides and their phosphate esters--1. The acidic nucleosides, 3-deazauridine and 6-azauridine. Welch AD, et al. **Int J Biochem** 1984;16(6):587-91

Comparison of 2'-fluoro-arabinosyl pyrimidine nucleosides and 1-beta-D-arabinofuranosylcytosine on immunological parameters in vitro. Merluzzi VJ, et al. **Int J Immunopharmacol** 1983;5(5):421-5

Marked radiosensitization of cells in culture to X ray by 5-chlorodeoxycytidine coadministered with tetrahydrouridine, and inhibitors of pyrimidine biosynthesis. Perez LM, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1453-8

On the mechanism of the acid-catalyzed hydrolysis of uridine to uracil. Evidence for 6-hydroxy-5,6-dihydrouridine intermediates. Prior JJ, et al. **J Biol Chem** 1984 Feb 25; 259(4):2429-34

Simultaneous analysis of 1-beta-D-arabinofuranosylcytosine, 1-beta-D-arabinofuranosyluracil and sodium salicylate in biological samples by high-performance liquid chromatography. Liversidge GG, et al. **J Chromatogr** 1983 Sep 9;276(2):375-83

Alteration of the pharmacokinetics of high-dose ara-C by its metabolite, high ara-U in patients with acute leukemia. Capizzi RL, et al. **J Clin Oncol** 1983 Dec;1(12):763-71

Nucleosides. 129. Synthesis of antiviral nucleosides: 5-alkenyl-1-(2-deoxy-2-fluoro-beta-D-arabinofuranosyl) Watanabe KA, et al. **J Med Chem** 1984 Jan;27(1):91-4

Urinary excretion of beta-aminoisobutyrate and pseudouridine in acute and chronic myeloid leukemia. Nielsen HR, et al. **JNCI** 1983 Nov;71(5):887-91

Determination of structure and absolute configuration of a new modified nucleoside isolated from tRNA-2Gly of Bombyx mori by a total synthesis to be 5-(S-carboxy(hydroxy)methyl) uridine. Kondo T, et al. **Nucleic Acids Symp Ser** 1983;(12):127-30

A modified nucleoside located in the anticodon of proline tRNA from Torulopsis utilis is 5-carbamoylmethyluridine. Ogawa K, et al. **Nucleic Acids Symp Ser** 1983;(12):131-2

A study aimed at synthesis of long-bridged pyrimidine cyclonucleosides. Sasaki T, et al. **Nucleic Acids Symp Ser** 1983;(12):17-20

Sample preparation and estimation of plasma concentration of 3-deazauridine by high-performance liquid chromatography. Lin KT, et al. **Ther Drug Monit** 1983; 5(4):491-6

[Covalent modification of glycogen synthase I in rabbit skeletal muscle by 5'-fluorosulfonylbenzoyl derivatives of uridine] Solov'eva GA, et al. **Biokhimiia** 1983 Dec; 48(12):1995-2001 (Eng. Abstr.) **(Rus)**

[Pseudouridine excretion with urine and RNA metabolism in experimental myocardial infarction and its correction] Iakushev VS, et al. **Ukr Biokhim Zh** 1983 Nov-Dec; 55(6):633-8 (Eng. Abstr.) **(Rus)**

[Metabolism of pseudouridine in rats with acute carbon tetrachloride intoxication] Salomatin VV. **Vopr Med Khim** 1983 Jul-Aug;29(4):54-7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Enzymatically generated electronically excited molecules induce transformation of 4-thiouridine to uridine. Durán N, et al. **Biochem Biophys Res Commun** 1983 Dec 28; 117(3):923-9

BLOOD

Nucleoside transport in human erythrocytes. Nitrobenzylthioinosine binding and uridine transport activities have similar radiation target sizes. Jarvis SM, et al. **Biochim Biophys Acta** 1984 May 16;772(2):227-30

Effect of temperature on kinetics and differential mobility of empty and loaded nucleoside transporter of human erythrocytes. Plagemann PG, et al. **J Biol Chem** 1984 Jul 25;259(14):9024-7

DIAGNOSTIC USE

[Incorporation of H3-uridine in vitro into normal lymphocytes and those in cases of aberration of acrocentric chromosomes] Mataszewska K. **Probl Med Wieku Rozwoj** 1979;8:101-16 (Eng. Abstr.) **(Pol)**

METABOLISM

Influence of cyclic nucleotides, norepinephrine and calcium on 3H-uridine incorporation into RNA in thyroid slices. Kleiman de Pisarev DL, et al. **Act Physiol Pharmacol Latinoam** 1984;34(1):31-6

High uridine catabolic activity in cultured human melanoma cells. Leyva A, et al. **Adv Exp Med Biol** 1984;165 Pt B:395-9

Heterogeneity of uridine incorporation along the rabbit nephron. II. Effect of DOCA. Vandewalle A. **Am J Physiol** 1984 Apr;246(4 Pt 2):F427-36

Heterogeneity of uridine incorporation along the rabbit nephron. I. Autoradiographic study. Vandewalle A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F417-26

Halothane effects on ATP content and uridine uptake and phosphorylation in Tetrahymena pyriformis. Conklin KA, et al. **Anesthesiology** 1984 Jul;61(1):78-82

Human tissues degrade uridine much less than thymidine. Possible consequence for 5-fluorouracil therapy. Liermann B, et al. **Biochem Pharmacol** 1984 Mar 1;33(5):721-4

Effect of an inhibitor of nucleoside transport on the disposition of uridine in mice. Moyer JD, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2327-9

Nucleoside transport in cultured mammalian cells. Multiple forms with different sensitivity to inhibition by nitrobenzylthioinosine or hypoxanthine. Plagemann PG, et al. **Biochim Biophys Acta** 1984 Jun 13;773(1):39-52

Transport of uridine and 3-deazauridine in cultured human lymphoblastoid cells. Dahlig-Harley E, et al. **Cancer Res** 1984 Jan;44(1):161-5

Inhibition of nucleoside transport in murine lymphoma L5178Y cells and human erythrocytes by the uridine phosphorylase inhibitors 5-benzylacyclouridine and 5-benzyloxybenzylacyclouridine. Lee KH, et al. **Cancer Res** 1984 Sep;44(9):3744-8

Effect of methotrexate on cells in a keratinized epithelium with an active thymidine salvage pathway assessed by autoradiography. Møller U, et al. **Cell Tissue Kinet** 1984 Sep;17(5):497-507

Characterization of thyroid hormone stimulation of uridine uptake by rat pituitary tumor cells. Halpern J, et al. **Endocrinology** 1984 Jul;115(1):95-101

Stimulation of uridine, leucine, and sulfate incorporation into rat cartilage macromolecules by adenosine 3',5'-monophosphate. Sullivan JN, et al. **Endocrinology** 1984 Aug;115(2):793-800

Uridine kinase molecular species and uridine uptake in some variants of rat hepatomas. Fulchignoni-Lataud MC, et al. **J Cell Physiol** 1984 Jan;118(1):34-8

The unsuitability of the uridine incorporation assay for the measurement of phagocytosis of Escherichia coli. Fazeli A, et al. **J Gen Microbiol** 1983 Dec;129 (Pt 12):3671-7

Effect of antiglucocorticoids on dexamethasone-induced inhibition of uridine incorporation and cell lysis in isolated mouse thymocytes. Duval D, et al. **J Steroid Biochem** 1984 Jan;20(1):283-7

Effects of some clinically significant mycotoxins on the incorporation of DNA, RNA and protein precursors in cultured mammalian cells. Jeffery FH, et al. **Res Vet Sci** 1984 Jul;37(1):30-8

Uridine uptake inhibition as a cytotoxicity test: correlations with the Draize test. Shopsis C, et al. **Toxicology** 1984 Jan; 29(3):195-206

[14C-tracer studies of nucleic acid metabolism in young rats, chickens and piglets. 3. Factors determining pyrimidine metabolism in rats] Greife HA, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1983 Nov; 50(4-5):186-92 (Eng. Abstr.) **(Ger)**

[Mathematical analysis and experimental study of uridine transport and phosphorylation in 3T6 cells] Sorkin AD, et al. **Tsitologiia** 1983 Jul;25(7):784-92 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of glutamine and nucleosides on prolactin secretion in the rat. Bernardini R, et al. **Acta Eur Fertil** 1983 Sep-Oct; 14(5):341-4

Effect of plasma concentrations of uridine on pyrimidine biosynthesis in cultured L1210 cells. Karle JM, et al. **J Biol Chem** 1984 Jan 10;259(1):67-72

Interaction of uridine with GABA binding sites in cerebellar membranes of the rat. Guarneri P, et al. **Neurochem Res** 1983 Dec;8(12):1537-45

Stimulating effects of inosine, uridine and glutamine on the tissue distribution of radioactive D-leucine in tumor bearing mice. Goto R, et al. **Radioisotopes** 1984 Feb; 33(2):73-6

PHYSIOLOGY

[Elimination of impairment of myocardial relaxation and contraction during stress with uridine, a cofactor of glycogen resynthesis] Meerson FZ, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):11-3 (Eng. Abstr.) **(Rus)**

URIDINE DIPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE DIPHOSPHATE N-ACETYLGALACTOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLGLUCOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N-ACETYLMURAMIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GALACTOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE see under **CARBOHYDRATE DEHYDROGENASES**

URIDINE DIPHOSPHATE GLUCOSE EPIMERASE see under **CARBOHYDRATE ISOMERASES**

URIDINE DIPHOSPHATE GLUCURONIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE SUGARS

Photoaffinity labeling of lactose synthase with a UDP-galactose analogue. Lee TK, et al. **J Biol Chem** 1983 Nov 10;258(21):13166-71

ANALYSIS

Effect of diabetes on the sugar nucleotides in several tissues of the rat. Spiro MJ. **Diabetologia** 1984 Jan;26(1):70-5

BLOOD

A new mass screening method for determining UDP-galactose in blood. Fujimura Y, et al. **Tohoku J Exp Med** 1983 Nov;141(3):263-8

ISOLATION & PURIFICATION

Separation and analysis of 4'-epimeric UDP-sugars by borate high-performance liquid chromatography. Weckbecker G, et al. **Anal Biochem** 1983 Jul 15;132(2):405-12

METABOLISM

Substrate properties of 5-fluorouridine diphospho sugars detected in hepatoma cells. Weckbecker G, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2291-8

Evidence for coupling between transport of UDP-glucose and its synthesis by membrane-bound pyrophosphorylase in Golgi apparatus of cat liver. Persat F, et al. **Biochim Biophys Acta** 1984 Jan 25;769(2):377-80

The biosynthesis of gram-negative endotoxin. Identification and function of UDP-2,3-diacylglucosamine in Escherichia coli. Bulawa CE, et al. **J Biol Chem** 1984 Apr 25; 259(8):4846-51

A sulfotransferase-sulfatase system in avian oviduct which catalyzes a conversion of UDP-N-acetylgalactosamine 4-sulfate to the 6-sulfate isomer. Otsu K, et al. **J Biol Chem** 1984 May 25;259(10):6403-10

Lipid-bound sugars in malignant human breast tumors. Partial characterization of mannosyl and glucosyl transferase activities. Santa Cruz AR, et al. **Mol Cell Biochem** 1983;56(1):55-66

Tunicamycin inhibits ganglioside biosynthesis in rat liver Golgi apparatus by blocking sugar nucleotide transport across the membrane vesicles. Yusuf HK, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7075-9

PHARMACODYNAMICS

Pyrophosphate functions as phosphoryl donor with UDP-glucose-treated mammalian phosphofructokinase. Wong JH, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):842-7

Evidence indicating that UDP-N-acetylglucosamine does not appear to stimulate hepatic microsomal UDP-glucuronosyltransferase by interaction with the catalytic unit of the enzyme. Burchell B, et al. **Biochim Biophys Acta** 1983 Nov 23;735(3):309-13

Kinetic properties of the rat intestinal microsomal 1-naphthol:UDP-glucuronosyl transferase. Inhibition by

UDP and UDP-N-acetylglucosamine. Koster AS, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):76–85

Galactosyltransferase activity and cell growth: uridine diphosphate (UDP)galactose inhibition of murine leukemic L1210 cells. Klohs WD, et al. **J Cell Physiol** 1984 Apr; 119(1):23–8

Interaction of uridine 5'-diphosphoglucuronic acid (UDPGA) with cytochrome P 450. Savenije-Chapel EM, et al. **J Pharm Pharmacol** 1983 Aug;35(8):522–3

Effect of glutathione and uridine-5'-diphosphoglucuronic acid on the mutagenicity of tryptophan pyrolysis products (Trp-P-1 and Trp-P-2) by rat-liver and -intestine S9 fraction. de Waziers I, et al. **Mutat Res** 1984 Jan;139(1):15–9

L-glutamine D-fructose-6-P aminotransferase regulation by glucose-6-P and UDP-N-acetylglucosamine. Tourian A, et al. **Neurochem Res** 1983 Dec;8(12):1589–95

PHYSIOLOGY

On the possible pharmacological role of UDP-glucose on some muscular metabolites. Pastoris O, et al. **Farmaco [Sci]** 1984 Mar;39(3):246–54

URIDINE DIPHOSPHATE XYLOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

URIDINE MONOPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE PHOSPHATES see **URACIL NUCLEOTIDES**

URIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

URIDINE TRIPHOSPHATE see under **URACIL NUCLEOTIDES**

URINARY CALCULI

Urolithiasis in children. Presenting signs, etiology, bacteriology and localisation. Bensman A, et al. **Acta Paediatr Scand** 1983 Nov;72(6):879–83

X-ray microanalysis of spontaneously formed urinary calculi in a jaundiced strain of rat. Fukuda K, et al. **Exp Mol Pathol** 1984 Feb;40(1):21–8

Dissolution kinetics of uric acid calculi. Burns JR, et al. **J Urol** 1984 Apr;131(4):708–11

Studies on urolithiasis in general practice. Laerum E. **Scand J Urol Nephrol [Suppl]** 1983;80:1–39 (97 ref.)

Abstracts of the 5th International Symposium on Urolithiasis and Related Clinical Research. **Urol Res** 1984;12(1):25–101

[Calcium-oxalate urolithiasis in children. I. Properties of the concretions, incidence, pathogenesis and risk factors] Vendl L. **Cesk Pediatr** 1984 Jun;39(6):330–4 (Eng. Abstr.) **(Cze)**

[Mineralogic analysis of urinary calculi] Koff WJ, et al. **AMB** 1984 Jan-Feb;30(1-2):7–10 (Eng. Abstr.) **(Por)**

BLOOD

Distribution of blood groups of the ABO system in patients with urolithiasis. Różański W, et al. **Int Urol Nephrol** 1983; 15(4):303–7

Metabolic response to refined carbohydrates in idiopathic urolithiasis. Rao PN, et al. **Urol Int** 1984;39(3):165–9

CHEMICALLY INDUCED

Chloride and phosphate as impediments to silica urinary calculi in rats fed tetraethylorthosilicate. Emerick RJ. **J Nutr** 1984 Apr;114(4):733–8

Urolithiasis and bladder carcinogenicity of melamine in rodents. Melnick RL, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):292–303

[Detection and diagnosis of drug induced lithiasis] Daudon M, et al. **Ann Biol Clin (Paris)** 1983;41(4):239–49 (Eng. Abstr.) **(Fre)**

[Drug-induced urinary lithiasis] Reveillaud RJ, et al. **Presse Med** 1983 Oct 29;12(38):2389–92 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Urethral lithiasis. De Bruyne R, et al. **Acta Urol Belg** 1983; 51(3):334–9

Multiple urethral calculi—an unusual cause of acute retention of urine. Shah PJ. **Br J Urol** 1983 Oct;55(5):573–4

Urolithiasis in pregnancy. O'Regan S, et al. **Eur Urol** 1984; 10(1):40–2

Spontaneous delivery of giant urethral calculus. Khamesra HL, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):173–4

Potential surgical implications of unexplained hematuria in children. Noe HN, et al. **J Urol** 1984 Oct;132(4):737–8

Perirenal abscess and urinary calculus in pregnancy. Fitz-Henley M, et al. **West Indian Med J** 1983 Sep; 32(3):181–3

[Occurrence of metabolic disorders in relation to the clinical severity of urolithiasis] Hradec E, et al. **Bratisl Lek Listy** 1984 Apr;81(4):393–403 (Eng. Abstr.) **(Cze)**

[Surgery of hyperparathyroidism in urologic patients. Apropos of 76 surgically treated cases] Giuliani L. **J Urol (Paris)** 1983;89(7):521–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Pepper grains as artifactual urinary calculi [letter] Suvanich S, et al. **N Engl J Med** 1984 Jan 12;310(2):129

Evaluation of the urinary stone former. Drach GW. **Semin Urol** 1984 Feb;2(1):12–9

[Clinical analysis of misdiagnosed urolithiasis] Li YK. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):764–6 (Eng. Abstr.) **(Chi)**

[Renoscintigram in urinary stones] Egawa S, et al. **Hinyokika Kiyo** 1984 May;30(5):657–61 (Eng. Abstr.) **(Jpn)**

[Diagnosis of primary hyperparathyroidism with urolithiasis by a synthetic human parathyroid hormone (46–84) kit] Kitamura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):555–9 (Eng. Abstr.) **(Jpn)**

[Roentgenostructural phase analysis of urinary calculi. II. Results of the analysis of oxalate calculi] Durski ZT, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):253–5 (Eng. Abstr.) **(Pol)**

[Roentgenostructural phase analysis of urinary calculi. I. Introduction to the method] Trzaska-Durski Z, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1153–5 **(Pol)**

DIET THERAPY

Dietary management of idiopathic calcium urolithiasis. Pak CY, et al. **J Urol** 1984 May;131(5):850–2

Treatment and prevention of feline struvite urolithiasis. Lewis LD, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May;14(3):649–60 (34 ref.)

DRUG THERAPY

A non-steroidal anti-inflammatory drug (flurbiprofen) to control idiopathic hypercalciuria resistant to dietary manipulation. Rao PN, et al. **Br J Urol** 1983 Dec; 55(6):599–602

Inhibitors of urease as chemotherapeutic agents. Rosenstein IJ, et al. **CRC Crit Rev Microbiol** 1984;11(1):1–12 (97 ref.)

Prevention of recurrent uric acid and calcium oxalate stones by administration of the xanthine oxidase inhibitors Milurit 100 and Milurit 300. Schneider HJ, et al. **Int Urol Nephrol** 1983;15(2):121–9

Acetohydroxamate in struvite stones: in vivo study. Aroldi A, et al. **Proc Eur Dial Transplant Assoc** 1983;20:469–72

Placebo versus allopurinol for recurrent urinary calculi. Smith MJ. **Proc Eur Dial Transplant Assoc** 1983;20:422–6

Therapeutic results with Magurlit. Kondás J, et al. **Ther Hung** 1981;29(2):91–3

Glucagon and ureteric colic. Nepper-Rasmussen J, et al. **Urol Res** 1984;12(1):23–4

[Conservative therapy of phosphate calculi] Lycklama à Nijeholt AA, et al. **Urologe [Ausg A]** 1984 Mar;23(2):91–4 (Eng. Abstr.) **(Ger)**

[Allopurinol in the therapy of idiopathic calcic lithiasis] Caudarella R, et al. **G Clin Med** 1983 May-Jun; 64(5–6):198–208 (Eng. Abstr.) **(Ita)**

[Prevention of cysteine calculosis by the continuous administration of alpha-mercaptopropionylglycine] Berio A. **Minerva Pediatr** 1983 Dec 31;35(23–24):1197–1206 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Urinary calculus in Zambia: its incidence and relationship to Schistosoma haematobium infection and vesicovaginal fistula. Elem B. **Br J Urol** 1984 Feb;56(1):44–7

Molecular aspects of idiopathic urolithiasis. Nath R, et al. **Mol Aspects Med** 1984;7(1–2):1–176 (753 ref.)

Different effects of oral glycine and methionine on urinary lithogenic substances. Tschöpe W, et al. **Proc Eur Dial Transplant Assoc** 1983;20:407–10

Recurrent urolithiasis: a general-practice study of risk factors and clinical consequences. Laerum E. **Scand J Urol Nephrol** 1984;18(1):67–70

Calcium oxalate retention in subjects with crystalluria. Burns JR, et al. **Urol Int** 1984;39(1):36–9

Relation between parathyroid hormone and adrenocorticotropic hormone in primary hyperparathyroidism. Kohri K, et al. **Urol Int** 1984; 39(1):1–4

Experimental induction of crystalluria in rats using mini-osmotic pumps. Khan SR, et al. **Urol Res** 1983; 11(5):199–205

[The relationship between phosphate and formation of oxalate urinary calculi] Sun XZ. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):628–9 (Eng. Abstr.) **(Chi)**

[Metabolic causes of urolithiasis in children and adolescents] Kočvara R, et al. **Cas Lek Cesk** 1983 Sep 16;122(37):1130–4 (Eng. Abstr.) **(Cze)**

[Urinary lithiasis secondary to intestinal diseases] Calmus Y, et al. **Presse Med** 1983 Nov 19;12(42):2685–8 (39 ref.) (Eng. Abstr.) **(Fre)**

[Multifactorial genesis of urolithiasis in patients with enteral hyperoxaluria] Hagmaier V, et al. **Helv Chir Acta** 1983 Jun;50(3):283–8 (Eng. Abstr.) **(Ger)**

[Cholesterol elimination in the urinary tract] Romics I, et al. **Urologe [Ausg A]** 1983 Sep;22(5):260–1 (Eng. Abstr.) **(Ger)**

[Clinical and animal experiment studies on the pathogenetic significance of small intestine diseases and resections for urolithiasis] Schäfer F, et al. **Z Urol Nephrol** 1983 Jul; 76(7):433–7 (Eng. Abstr.) **(Ger)**

[Endocrinological studies on pathogenesis of urolithiasis. IV. Pathogenesis of the intestinal-calcium-absorptive hypercalcemia] Kenjiro K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1575–82 (Eng. Abstr.) **(Jpn)**

[Urinary tract infections and urolithiasis] Nowakowska K, et al. **Probl Med Wieku Rozwoj** 1983;12:144–52 (Eng. Abstr.) **(Pol)**

[Experimental urolithiasis] Mel'nishnov Iu, et al. **Urol Nefrol (Mosk)** 1984 Jul-Aug;(4):14–8 (Eng. Abstr.) **(Rus)**

[Advances in the diagnosis, treatment and prevention of the metabolic causes of urolithiasis] Revúsová V, et al. **Bratisl Lek Listy** 1984 Apr;81(4):413–20 (Eng. Abstr.) **(Slo)**

[Crystal formation by bacteria. Another possibility for urinary lithogenesis?] Torres Ramírez C, et al. **Arch Esp Urol** 1983 May-Jun;36(3):167–73 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

2,8-dihydroxyadenine urolithiasis: review of the literature and report of a case in the United States. Witten FR, et al. **J Urol** 1983 Nov;130(5):938–42

HISTORY

'Urethrolithotomy': an ingenious approach of the ancients. Gentile DP. **J Urol** 1984 Aug;132(2):359–60

The last illnesses of Robert and Horace Walpole. Viseltear AJ. **Yale J Biol Med** 1983 Mar-Apr;56(2):131–52

[Martin Luther and his physicians. A contribution to Luther year 1983] Völker A. **Z Gesamte Inn Med** 1983 Oct 15; 38(20):533–9 (Eng. Abstr.) **(Ger)**

METABOLISM

Relation of phosphate to formation of calcium oxalate urinary calculi. Sun XZ, et al. **Acta Acad Med Wuhan** 1984; 4(2):100–4

Effect of fluoride, silicon, and magnesium on the mineralizing capacity of an inorganic medium and stone formers urine tested by a modified in vitro method. Anasuya A, et al. **Biochem Med** 1983 Oct;30(2):146–56

On the presence of cholesterol in urinary calculi [letter] Larson L, et al. **Clin Chem** 1983 Oct;29(10):1864–5

A method for quantitative wet chemical analysis of urinary calculi. Larsson L, et al. **Clin Chim Acta** 1984 Jun 27; 140(1):9–20

Drinking water for stone formers: is the calcium content relevant? Jaeger P, et al. **Eur Urol** 1984;10(1):53–4

Bacteriological and crystallographical analysis of urinary calculi: aid to patient management. Rosenstein I, et al. **J R Soc Med** 1984 Jun;77(6):478–82

Study of passed stones by means of X-rays, infrared and thermal analyses. Tozuka K, et al. **J Urol** 1983 Dec; 130(6):1119–22

Calcium-loading test and bone disease in patients with urolithiasis. Lindergård B, et al. **Proc Eur Dial Transplant Assoc** 1983;20:460–5

A wet chemistry method for the analysis of urinary calculi. Uldall A. **Scand J Clin Lab Invest** 1983 Dec;43(8):727–33

Siliceous deposits in human urinary calculi—an E. M. study. Kim KM, et al. **Urol Res** 1983;11(4):155–8

Texture examinations on grain and thin section preparations of calcium oxalate calculi and their relations to pathogenetic parameters. Schubert G, et al. **Urol Res** 1983; 11(3):111–5

[Fluorapatite in urinary concretions] Kočvara S, et al. **Rozhl Chir** 1983 Oct;62(10):701–6 (Eng. Abstr.) **(Cze)**

[Criteria of usefulness for the standardized x-ray diffractometric urinary calculus analysis. Improvement in the quality of urinary calculus analysis by the establishment of uniform methodological assumptions in urinary calculus analysis laboratories. 1] Rebentisch G, et al. **J Clin Chem Clin Biochem** 1983 Nov;21(11):665–71 (Eng. Abstr.) **(Ger)**

[Evidence of improved quality of urinary calculus analysis using results of 7 surveys with external quality controls. Improvement in the quality of urinary calculus analysis by establishment of uniform methodological assumptions in urinary calculus analysis laboratories. 2] Rebentisch G, et al. **J Clin Chem Clin Biochem** 1983 Nov;21(11):673–8 (Eng. Abstr.) **(Ger)**

[Results of the determination of enteral calcium absorption and calcium kinetics with 47Ca in patients with chronic recurring urolithiasis] Hoffmann L, et al. **Z Urol Nephrol** 1983 Jul;76(7):439–43 (Eng. Abstr.) **(Ger)**

[Statistical analysis on 1,500 urinary calculi by using microcomputer] Ikeda R, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):183–9 (Eng. Abstr.) **(Jpn)**

[X-ray analysis of 108 stones passed spontaneously from the upper urinary tract] Tozuka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):357–9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Scanning electron microscopy detects bacteria within

infection stones. Takeuchi H, et al. **J Urol** 1984 Jul; 132(1):67–9
[A bacteriological study on urinary calculi associated with infections] Yoshida O, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):191–8 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Studies on the prevalence and epidemiology of urinary stone disease in men in Leeds. Robertson WG, et al. **Br J Urol** 1983 Dec;55(6):595–8
Weather and the incidence of urinary stone colics in the Province of Florence. Formiconi G, et al. **Int J Biometeorol** 1984 May;28(2):147–56
High prevalence of urinary stones in Marj-ayoun, Lebanon. Gottlieb D, et al. **Isr J Med Sci** 1984 Feb;20(2):158–9
Urolithiasis in general practice. An epidemiological study from a Norwegian district. Laerum E. **Scand J Urol Nephrol** 1983;17(3):313–9
Epidemiology and socioeconomic aspects of urolithiasis. Asper R. **Urol Res** 1984;12(1):1–5
Urolithiasis in black Africans. Tshipeta N, et al. **Urology** 1983 Nov;22(5):517–20
[Urolithiasis in inpatients of Guizhou Province] Zhou JY. **Chung Hua Wai Ko Tsa Chih** 1983 Dec;21(12):761–3 (Eng. Abstr.) **(Chi)**
[Urolithiasis in elderly people—urolithiasis in Tokyo Geriatric Hospital during the period 1972 to 1978] Murayama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1418–22 (Eng. Abstr.) **(Jpn)**
[Statistical analysis of lithiasis in the Valencia community (1)] Urbano Ortega F, et al. **Actas Urol Esp** 1984 Jan–Feb; 8(1):45–52 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Immunopathology of urinary stones. Monga JN. **Indian J Pathol Microbiol** 1983 Oct;26(4):329–36
Lipid matrix of dystrophic calcification and urinary stone. Kim KM. **Scan Electron Microsc** 1983;(Pt 3):1275–84
Routine analysis of urinary calculi by scanning electron microscopy. Leusmann DB. **Scan Electron Microsc** 1983; (Pt 1):387–96
Size–shape analysis of calcium oxalate crystals in the study of stone formation. Tawashi R. **Scan Electron Microsc** 1983; (Pt 1):397–406
Epidemiology of naturally occurring feline uroliths and urethral plugs. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):481–9
[Scanning electron microscopy studies of the structure of calcium oxalate urinary calculi] Schubert G, et al. **Z Urol Nephrol** 1983 Jun;76(6):389–97 (Eng. Abstr.) **(Ger)**
[Possibilities of modelling calcium oxalate urolithiasis in an experiment] Krídl J, et al. **Bratisl Lek Listy** 1983 Nov; 80(5):525–35 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Pathophysiologic studies in idiopathic hypercalciuria presenting in childhood. Tieder M, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):197–200
Relationship between sodium intake, proximal tubular function and calcium excretion in normal subjects and in idiopathic hypercalciuria. Colussi G, et al. **Proc Eur Dial Transplant Assoc** 1983;20:455–9

PREVENTION & CONTROL

Thiazide prophylaxis of urolithiasis. A double-blind study in general practice. Laerum E, et al. **Acta Med Scand** 1984; 215(4):383–9
The stone clinic effect in patients with idiopathic calcium urolithiasis. Hosking DH, et al. **J Urol** 1983 Dec; 130(6):1115–8
Critical role of oxalate restriction in association with calcium restriction to decrease the probability of being a stone former: insufficient effect in idiopathic hypercalciuria. Bataille P, et al. **Proc Eur Dial Transplant Assoc** 1983; 20:401–6
Metabolic effects of thiazide versus placebo in patients under long-term treatment for recurrent urolithiasis. Laerum E. **Scand J Urol Nephrol** 1984;18(2):143–9
[Prevention of urinary calculi with thiazides and allopurinol. A long-term study] May P, et al. **Urologe [Ausg A]** 1984 Mar;23(2):87–90 (Eng. Abstr.) **(Ger)**
[Long-term clinical experiences with the cation exchanger UJOLYT as a metaphylactic in absorptive hypercalciuria and chronic recurring calcium oxalate lithiasis] Böhm WD. **Z Urol Nephrol** 1983 Jul;76(7):445–51 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[Relationship between personality and somatic symptoms in chronic renal failure and urinary calculi] Makara J. **Pol Tyg Lek** 1983 Apr 25;38(17):513–5 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Computed tomographic analysis of urinary calculi. Newhouse JH, et al. **AJR** 1984 Mar;142(3):545–8
Lower urinary tract infections and calculi in the adult. Imray TJ, et al. **Semin Roentgenol** 1983 Oct;18(4):276–87 (29 ref.)

SURGERY

Hyperparathyroidism and obstructive urolithiasis. Combined surgical approach. Giuliani L, et al. **Acta Urol Belg** 1983; 51(4):489–95
Percutaneous stone removal [editorial] Schoenberg HW. **J Urol** 1984 Sep;132(3):543
Treatment of male urethral calculi. Selli C, et al. **J Urol** 1984 Jul;132(1):37–9
Percutaneous stone extraction from 200 patients. White EC, et al. **J Urol** 1984 Sep;132(3):437–8
Prophylactic antibiotics in urologic surgery. Russo P, et al. **Semin Urol** 1983 May;1(2):155–63
Symposium on surgery of stone disease. **Urol Clin North Am** 1983 Nov;10(4):583–766
Surgery of urinary calculi in perspective. Boyce WH. **Urol Clin North Am** 1983 Nov;10(4):585–94
[Advances in surgery of the urinary tract] Verduyn H. **Acta Chir Belg** 1983 Nov–Dec;83(6):CXXXVII–CXL contd **(Dut)**
[Transcutaneous nephrostomy] Devlesaver P. **Acta Urol Belg** 1983;51(4):473–83 (Eng. Abstr.) **(Fre)**
[Destruction of urinary calculi using laser beams. Experimental principles and in vitro studies] Hofmann R, et al. **Urologe [Ausg A]** 1984 May;23(3):181–4 (Eng. Abstr.) **(Ger)**
[Surgical treatment of urolithiasis in children] Murvanidze DD, et al. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):13–5 (Eng. Abstr.) **(Rus)**

THERAPY

New monofilament and soft-wire baskets for stone removal. Hawkins IF, et al. **AJR** 1984 Jul;143(1):147–50
Extracorporeal shock-wave lithotripsy. Finlayson B, et al. **Ann Intern Med** 1984 Sep;101(3):387–9
Treatment of Idiopathic calcium stone disease. Danielson BG, et al. **Calcif Tissue Int** 1983 Sep;35(6):715–9
Who shall 'cut' for the stone? [editorial] Resnick MI. **J Urol** 1984 Feb;131(2):319
Management of the stone former. Burns JR, et al. **Semin Urol** 1984 Feb;2(1):34–44
Percutaneous dissolution of renal calculi using ultrasonic litholapaxy. Carson CC, et al. **South Med J** 1984 Feb; 77(2):196–9
Extracorporeal shock-wave lithotripsy (ESWL) for treatment of urolithiasis. Chaussy C, et al. **Urology** 1984 May;23(5 Spec No):59–66
The regional educational impact of a Renal Stone Center. Jekel JF, et al. **Yale J Biol Med** 1983 Mar–Apr;56(2):97–108
[The most frequent mistakes and errors in the diagnosis and treatment of urolothiasis] Zvara V. **Rozhl Chir** 1983 Oct; 62(10):674–7 (Eng. Abstr.) **(Cze)**
[Treatment of urolithiasis] Juusela H, et al. **Duodecim** 1983; 99(20):1478–82 (9 ref.) **(Fin)**
[Characteristics of the clinical course and treatment of patients with urinary calculi of a solitary kidney] Sernjak PS, et al. **Z Urol Nephrol** 1984 Feb;77(2):101–6 (Eng. Abstr.) **(Ger)**
[Urinary lithiasis. 30 months' therapy] Lombardo v, et al. **Minerva Med** 1984 Feb 18;75(6):265–7 **(Ita)**
[Studies of rice-bran therapy for calcium urolithiasis with idiopathic hypercalciuria. I. Clinical studies of rice-bran therapy] Ebisuno S. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):1–9 (Eng. Abstr.) **(Jpn)**
[Contactless destruction of urinary calculi and gallstones by extracorporeally focused shock waves (review of the literature)] Shevtsov IP, et al. **Vestn Khir** 1983 Sep; 131(9):131–3 **(Rus)**
[Contactless destruction of urinary and biliary calculi] Shevtsov NP, et al. **Vestn Khir** 1983 Nov;131(11):54–7 (Eng. Abstr.) **(Rus)**

URINE

Possibilities of computing urine parameters as a means of classification of normals and patients suffering from calcium oxalate lithiasis. Berg W, et al. **Eur Urol** 1983;9(6):353–8
International ring test to check the quality of urolith analyses. Rebentisch G, et al. **Eur Urol** 1984;10(3):196–201
A simplified estimate of the ion–activity product of calcium phosphate in urine. Tiselius HG. **Eur Urol** 1984;10(3):191–5
Variations in urine composition during the day in patients with calcium oxalate stone disease. Ahlstrand C, et al. **J Urol** 1984 Jan;131(1):77–81
Potential pitfalls of the 2-hour calcium–to–creatinine ratio and urinary cyclic adenosine monophosphate excretion in the differential diagnosis of idiopathic hypercalciuria. Heller JE, et al. **J Urol** 1984 May;131(5):911–3
A risk of inaccuracy in biochemical analysis of urinary stone-forming salts. Koide T, et al. **J Urol** 1984 Sep; 132(3):486–9
Calcium oxalate dihydrate formation in urine. Martin X, et al. **Kidney Int** 1984 Jun;25(6):948–52
Contrasting effects of potassium citrate and sodium citrate therapies on urinary chemistries and crystallization of stone-forming salts. Sakhaee K, et al. **Kidney Int** 1983 Sep; 24(3):348–52
Diurnal variation in calcium–oxalate supersaturation level in normal and stone-forming urine. Ogawa Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Sep;25(9):1127–30
Diurnal variations of calcium, phosphorus, and magnesium in normal and calcium oxalate stone-forming urine. Ogawa Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Sep;25(9):1131–4
Polyanionic inhibitors of calcium oxalate crystal agglomeration in urine. Scurr DS, et al. **Proc Eur Dial Transplant Assoc** 1983;20:440–4
Methodological aspects of examination of 24 hour urinary excretions in outpatients with recurrent urolithiasis. Laerum E, et al. **Scand J Urol Nephrol** 1983;17(3):321–4
Hydroxyapatite—the forgotten crystal in calcium urolithiasis. Smith LH, et al. **Trans Am Clin Climatol Assoc** 1983; 95:183–90
Urinary excretion of urate in patients with calcium oxalate stone disease. Tiselius HG, et al. **Urol Res** 1983;11(6):279–83
[Study of spontaneous crystalluria using infrared spectroscopy. Research on correlations between crystals, calculi, bacteria and the sex of the patients] Daudon M, et al. **Ann Biol Clin (Paris)** 1983;41(3):199–207 (Eng. Abstr.) **(Fre)**
[Stress and urolithiasis] Schmucki O, et al. **Urol Int** 1984; 39(3):159–64 (Eng. Abstr.) **(Ger)**
[Computer calculations on the effect of urine components on saturation relations of calcium oxalate in the urine] Matouschek E, et al. **Urologe [Ausg A]** 1984 Mar;23(2):70–6 (Eng. Abstr.) **(Ger)**
[Rhythm of diurnal and seasonal urine excretion in calcium oxalate–urinary calculi patients and healthy humans and its effect on the incidence of calculi] Schulz E, et al. **Urologe [Ausg A]** 1984 Mar;23(2):77–81 (Eng. Abstr.) **(Ger)**
[Diagnosis of absorptive hypercalciuria] Fahlenkamp D, et al. **Z Urol Nephrol** 1983 Jun;76(6):399–402 (Eng. Abstr.) **(Ger)**
[Studies of dietary influence on urinary oxalate in calcium oxalate stone formers] Arima K. **Hinyokika Kiyo** 1983 Dec; 29(12):1587–603 (Eng. Abstr.) **(Jpn)**
[Observation on urinary glycosaminoglycan excretion in patients with urinary calculus in relation to the nature of organic matrix of calculi] Baba S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):608–15 (Eng. Abstr.) **(Jpn)**
[Studies of oxalate metabolism in urolithiasis. 2. Excretion of urinary oxalate in stone formers and healthy controls] Ebisuno S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):467–75 (Eng. Abstr.) **(Jpn)**
[Studies on hypercalciuria in patients with urinary calculi] Morimoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):770–6 (Eng. Abstr.) **(Jpn)**
[Value of diurnal variations of urinary pH for the determination of the chemical composition of urinary calculi] Serniak PS, et al. **Urol Nefrol (Mosk)** 1984 May–Jun;(3):21–6 (Eng. Abstr.) **(Rus)**
[Urinary excretion of calcium ions and oxalates in potential urolithiasis] Januzović NL. **Med Pregl** 1984;37(1–2):23–5 (Eng. Abstr.) **(Scr)**

VETERINARY

Oxalate urinary calculi in beef steers. Huntington GB, et al. **Am J Vet Res** 1984 Jan;45(1):180–2
Epizootiology, pathology, and microbiology of an outbreak of urolithiasis in chickens. Mallinson ET, et al. **Avian Dis** 1984 Jan–Mar;28(1):25–43
Urolithiasis in the horse – a review of 13 cases. Holt PE, et al. **Equine Vet J** 1984 Jan;16(1):31–4
Evaluation of ammonium chloride as a urinary acidifier in the cat. Taton GF, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):433–6
Urinary acidification in the prevention and treatment of feline struvite urolithiasis. Taton GF, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):437–43
Urinary calculi in Lewis and Wistar rats. Kuhlmann ET, et al. **Lab Anim Sci** 1984 Jun;34(3):299–302
Canine urolithiasis: diagnosis and treatment. Lewis LD, et al. **Mod Vet Pract** 1984 May;65(5):375–8
Kidney function of pullets and laying hens during outbreaks of urolithiasis. Wideman RF, et al. **Poult Sci** 1983 Oct; 62(10):1954–70
Symposium on disorders of the feline lower urinary tract. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):407–717
Diet as a causative factor of feline urolithiasis. Lewis LD, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):513–27 (57 ref.)
Medical management of male and female cats with nonobstructive lower urinary tract disease. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):617–40 (31 ref.)
Redefinition of the feline urologic syndrome: feline lower urinary tract disease with heterogeneous causes. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May;14(3):409–38 (69 ref.)
Initiation and growth of uroliths. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):439–54 (39 ref.)
Immediate relief of feline urethral obstruction. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):585–97
Surgical therapy for urolithiasis. Stone EA. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):77–92 (34 ref.)

URINARY CATHETERIZATION

Chronic indwelling bladder catheterization. Weiss BD. **Am Fam Physician** 1984 Sep;30(3):161–6

Renal epithelial fragments in urine from a nephrostomized patient: a case report. Schumann GB, et al. **Am J Med Technol** 1983 Jul;49(7):503–7

Percutaneous nephrostomy in gynecologic oncology. Baker VV, et al. **Am J Obstet Gynecol** 1984 Aug 1;149(7):772–4

Percutaneous double-pigtail stent placement in a case of recurrent bilateral urothelial tumours. Walker WJ. **Br J Radiol** 1983 Nov;56(671):884–7

Intermittent self catheterisation in adults. Hunt GM, et al. **Br Med J [Clin Res]** 1984 Aug 25;289(6443):467–8

Intermittent self-catheterization in patients with Wolfram's syndrome [letter] Androulakakis PA, et al. **Eur Urol** 1984; 10(1):72

A plea for endoscopic treatment in diabetic papillary necrosis. Zieliński J. **Eur Urol** 1983;9(5):297–9

The spontaneous variation of catheter life in long-stay geriatric inpatients with indwelling catheters. Norberg B, et al. **Gerontology** 1983;29(5):332–5

Management of neurogenic bladder in female spinal cord injury patients. Song GW, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):4–7

Catheterization—a health procedure schools must be prepared to provide. Stauffer DT. **J Sch Health** 1984 Jan; 54(1):37–8

Incontinence, intermittent self-catheterization and the artificial genitourinary sphincter. Barrett DM, et al. **J Urol** 1984 Aug;132(2):268–9

Intermittent clean catheterization: an alternative to diversion in continent transplant recipients with lower urinary tract dysfunction. Flechner SM, et al. **J Urol** 1983 Nov; 130(5):878–81

Prophylactic antibiotics and Foley catheter use in transperineal needle biopsy of the prostate. Packer MG, et al. **J Urol** 1984 Apr;131(4):687–9

Bacteriuria in the catheterized patient. What quantitative level of bacteriuria is relevant? Stark RP, et al. **N Engl J Med** 1984 Aug 30;311(9):560–4

Antegrade ureteral stenting in the management of fistulas, strictures, and calculi. Mitty HA, et al. **Radiology** 1983 Nov; 149(2):433–8

Clean, intermittent self-catheterization in renal transplant recipients. Shneidman RJ, et al. **Transplantation** 1984 Sep; 38(3):312–4

Modified three-way catheter for urethral stricture repair. Albert NE, et al. **Urology** 1984 Jul;24(1):77–8

Clean intermittent self-catheterization in the elderly. Bennett CJ, et al. **Urology** 1984 Jul;24(1):43–5

Reflux and clean intermittent self-catheterization [letter] Kass EJ. **Urology** 1984 May;23(5):529

Percutaneous nephrostomy and maintenance of nephrostomy drainage. Roven SJ, et al. **Urology** 1984 May;23(5 Spec No):25–8

Percutaneous catheter drainage in treatment of urinary extravasation. Selman SH, et al. **Urology** 1984 Jan; 23(1):9–12

Ureteral stent in management of fungal pyonephrosis due to Torulopsis glabrata. Wise GJ. **Urology** 1984 Aug; 24(2):128–9

Results of clean intermittent catheterization for children with neurogenic bladders. Wolraich ML, et al. **Urology** 1983 Nov;22(5):479–82

[Urine flow measurement in men before and after catheterization] Duch G, et al. **Ugeskr Laeger** 1984 Mar 5;146(10):730–1 (Eng. Abstr.) **(Dan)**

[Replacement of a dislodged nephrostomy catheter] Janetschek G. **Urol Int** 1983;38(5):310–3 (Eng. Abstr.) **(Ger)**

[Treatment of patients with indwelling catheters at an outpatient clinic] Mercz L, et al. **Orv Hetil** 1983 Aug 14; 124(33):1989–94 (Eng. Abstr.) **(Hun)**

[Combination chemotherapy of mitomycin C and cytosine arabinoside in superficial bladder tumors. 1. Evaluation of intravesical infusion therapy] Ikeuchi T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2145–51 (Eng. Abstr.) **(Jpn)**

[Histological studies on non-neoplastic lesions of the urinary bladder epithelium. Second report: the influence of indwelling catheterization] Yamamoto A, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):290–4 (Eng. Abstr.) **(Jpn)**

[Litholysis of occlusive urate calculi using a stent] Morozov AV, et al. **Urol Nefrol (Mosk)** 1984 Mar–Apr;(2):36–40 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Genitourinary infections in the patient at risk: extrinsic risk factors. Kunin CM. **Am J Med** 1984 May 15;76(5A):131–9 (64 ref.)

Complications with Bonanno suprapubic catheters. Drutz HP, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):685–6

Bacterial changes in the urine samples of patients with long-term indwelling catheters. Breitenbucher RB. **Arch Intern Med** 1984 Aug;144(8):1585–8

Audit repeat on urinary tract infection following an hysterectomy. Baldwin AE. **Aust Clin Rev** 1983 Jun; (9):10–4

Quick complete emptying of the bladder in 300 cases of urinary retention. The occurrence of haematuria. Glahn BE, et al. **Dan Med Bull** 1984 Feb;31(1):68–70

Ureteral stent encrustation. Yoshida K, et al. **Hinyokika Kiyo** 1983 Aug;29(8):937–9

Urinary tract infections with antibiotic resistant organisms in catheterized nursing home patients. Bjork DT, et al. **Infect Control** 1984 Apr;5(4):173–6

Endotoxin contamination of Foley catheters associated with fevers following transurethral resection of the prostate. Gephart JF. **Infect Control** 1984 May;5(5):231–4

Interposition of the prepuce into the external urethral meatus. A case report. Ali Khan S, et al. **Int Urol Nephrol** 1984; 16(2):129–32

When should a urine specimen be examined after removal of a urinary catheter? Davies AJ, et al. **J Hosp Infect** 1983 Jun;4(2):177–80

Catheter complications: a boy with iatrogenic disease. Verity CM, et al. **J R Soc Med** 1984 Jan;77(1):66

Urethral stricture after cardiovascular surgery, a retrospective and a prospective study. Abdel-Hakim A, et al. **J Urol** 1983 Dec;130(6):1100–2

Prevention of urinary catheter incrustations by acetohydroxamic acid. Burns JR, et al. **J Urol** 1984 Sep; 132(3):455–6

Ureteroarterial and ureterosigmoid fistula associated with polyethylene indwelling ureteral stents. Kar A, et al. **J Urol** 1984 Oct;132(4):755–7

Urethral meatal colonization in the pathogenesis of catheter-associated bacteriuria. Schaeffer AJ, et al. **J Urol** 1983 Dec;130(6):1096–9

Ureteral common iliac artery fistula: a complication of internal double-J ureteral stent. Smith RB. **J Urol** 1984 Jul;132(1):113

Catheter-associated bacteriuria. Failure to reduce attack rates using periodic instillations of a disinfectant into urinary drainage systems. Thompson RL, et al. **JAMA** 1984 Feb 10;251(6):747–51

Catheter-associated urinary-tract infection [letter] Davies AJ, et al. **Lancet** 1984 Jan 7;1(8367):44

Diagnostic criteria and natural history of catheter-associated urinary tract infections after prostatectomy. Gordon DL, et al. **Lancet** 1983 Dec 3;2(8362):1269–71

Balloon problems with Foley catheters [letter] Kelly TW, et al. **Lancet** 1983 Dec 3;2(8362):1310

Outdated catheters: a possible hazard of Helmstein bladder distention [letter] Pittam MR, et al. **Lancet** 1983 Oct 29; 2(8357):1020

Antibacterial prophylaxis during intermittent catheterization [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Aug; 59(8):573

Adverse events with catheters and toxicity testing [letter] **Med J Aust** 1983 Nov 26;2(11):533–5

Localization of catheter-induced urinary tract infections: interpretation of bladder washout and antibody-coated bacteria tests. Hulter HN, et al. **Nephron** 1984;38(1):48–53

Perforation of the ileum as a complication of suprapubic catheterization. Hebert DB, et al. **Obstet Gynecol** 1983 Nov;62(5):662–4

Catheter-induced cystitis: evaluation by cystosonography. Abu-Yousef MM, et al. **Radiology** 1984 May;151(2):471–3

Bacterial colonization of the lower urinary tract in women with long-term indwelling urethral catheter. Eddeland A, et al. **Scand J Infect Dis** 1983;15(4):361–5

Unexpected urethral strictures after short-term catheterization in open-heart surgery. Ruutu M, et al. **Scand J Urol Nephrol** 1984;18(1):9–12

Multidrug-resistant Serratia marcescens bacteriuria related to urologic instrumentation. Echols RM, et al. **South Med J** 1984 Feb;77(2):173–7

Condom catheter drainage [letter] Steinhardt G. **South Med J** 1983 Dec;76(12):1593

Comparison of recurrence rates of calculi of the bladder in patients with indwelling catheters following vesicolithotomy, litholapaxy and electrohydraulic lithotripsy. Short KL, et al. **Surg Gynecol Obstet** 1984 Sep; 159(3):247–8

Complications of intermittent catheterization. Klauber GT, et al. **Urol Clin North Am** 1983 Aug;10(3):557–62

Complications of pediatric percutaneous renal procedures: incidence and observations. Pfister RC, et al. **Urol Clin North Am** 1983 Aug;10(3):563–71

Knotting of urethral catheter within bladder: an unusual complication in cystourethrography. Gaisie G, et al. **Urol Radiol** 1983;5(4):271–2

Indwelling urinary catheter infections in small community hospital. Role of urinary drainage bag. Pien FD, et al. **Urology** 1983 Sep;22(3):255–8

Postoperative catheterization and prophylactic antimicrobials in children with hypospadias. Shohet I, et al. **Urology** 1983 Oct;22(4):391–3

Knot in urethral catheter due to improper catheterization technique [letter] Sugar EC, et al. **Urology** 1983 Dec; 22(6):673–4

[Urine phlegmon after removal of a suprapubic indwelling catheter (letter)] Cools HJ, et al. **Ned Tijdschr Geneeskd** 1984 Feb 4;128(5):235 **(Dut)**

[Iatrogenic lesions of the urethra] Rochat JB, et al. **Rev Med Suisse Romande** 1983 Nov;103(11):955–9 **(Fre)**

[Use of a single daily dose of tobramycin sulfate for the prevention of infections caused by the positioning of fixed drains in body cavities] Pessione E, et al. **Minerva Med** 1984 Mar 10;75(9–10):463–8 (Eng. Abstr.) **(Ita)**

[Catheterization of the urinary bladder in complete urine retention—cause of error] Negrojević M, et al. **Med Pregl** 1984;37(1–2):21–2 (Eng. Abstr.) **(Scr)**

[Effect of antibiotic prophylaxis, long-term low dosage chemoprophylaxis and bladder wash-outs on the appearance of acquired bacteriuria in patients with permanent bladder catheter] Aragona F, et al. **Actas Urol Esp** 1983 May–Jun;7(3):195–8 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

New monofilament and soft-wire baskets for stone removal. Hawkins IF, et al. **AJR** 1984 Jul;143(1):147–50

Micturition alert device. Balmaseda MT Jr, et al. **Arch Phys Med Rehabil** 1984 Sep;65(9):554–5

Decontamination of urinary bags for rehabilitation patients. Hashisaki P, et al. **Arch Phys Med Rehabil** 1984 Aug; 65(8):474–6

The indwelling ureteric stent—the Bristol experience. Ball AJ, et al. **Br J Urol** 1983 Dec;55(6):622–5

Management of obstructed balloon catheters [letter] **Br Med J [Clin Res]** 1984 Aug 4;289(6440):319

Suprapubic puncture for non-deflating urethral balloon catheters. A safe method of deflation. Moskovich R. **J R Coll Surg Edinb** 1984 May;29(3):181–3

Endourethral urethroplasty—use of a new catheter. Gaur DD. **J Urol** 1983 Nov;130(5):905–8

Sheathed catheter system for fluoroscopically guided retrograde catheterization, and brush and forceps biopsy of the upper urinary tract. Lieberman RP, et al. **J Urol** 1984 Mar;131(3):450–3

Balloon dilatation of ureteral strictures in dogs. El-Mahrouky A, et al. **J Urol** 1984 Mar;131(3):582–6

Culture of mid catheter urine collected via an open-ended catheter: a reliable guide to bladder bacteriuria. Murphy BF, et al. **J Urol** 1984 Jan;131(1):19–21

Coaxial dilation system for percutaneous nephrostomy. Carmignani G, et al. **Urology** 1983 Nov;22(5):548

Operative thin-trocar nephrostomy. Chiou RK, et al. **Urology** 1983 Nov;22(5):545–7

Techniques in percutaneous removal of renal calculi. Mechanical extraction and electrohydraulic lithotripsy. Clayman RV. **Urology** 1984 May;23(5 Spec No):11–9

Universal urethral catheter drainage adaptor for ureteral stents. Cos LR, et al. **Urology** 1983 Dec;22(6):643

Slipover Councill catheter stylet. Heyman AM. **Urology** 1984 May;23(5 Spec No):103

Inexpensive method of measuring prostatic length by graduated catheter and retrograde urethrography. Morita M, et al. **Urology** 1984 Apr;23(4):387

Percutaneous double-lumen catheter for pressure flow study of upper urinary tract. Morita T, et al. **Urology** 1984 Jul; 24(1):75–6

Ureteral balloon dilatation and stone basketing. Rutner AB. **Urology** 1984 May;23(5 Spec No):44–53

Combined bladder and urethral drainage catheter. Smith PJ, et al. **Urology** 1984 Aug;24(2):190–1

Measuring softness of inner female urethra. Part I. Simple new device. Zinner NR, et al. **Urology** 1983 Oct;22(4):444–5

Evaluation of inner urethral softness. Part II. Clinical study using new grooved probe device. Zinner NR, et al. **Urology** 1983 Oct;22(4):446–8

Self-retaining catheters for congenital neuropathic bladder: a continuing evaluation. Minns RA, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:94–5

[A new needle-catheter for percutaneous pyelostomy] Defilippi C, et al. **Minerva Urol** 1983 Apr–Jun;35(2):127–30 (Eng. Abstr.) **(Ita)**

[Three dimensional urethral pressure profile. II. Basic consideration of the catheter with only one eye and comparison with the catheter with the tip transducer by Millar] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1772–7 (Eng. Abstr.) **(Jpn)**

[Results of a new technic and a new catheter for locating the origin of idiopathic microscopic hematuria] Jacobellis U. **Arch Esp Urol** 1983 Mar–Apr;36(2):139–42 (Eng. Abstr.) **(Spa)**

METHODS

The fluid bridge test for urethral incompetence. A comparison of results in women with incontinence and women with normal urinary control. Sutherst J, et al. **Acta Obstet Gynecol Scand** 1983;62(3):271–3

Urodynamic approach of the upper urinary tract by percutaneous puncture nephrostomy. Coolsaet BL. **Acta Urol Belg** 1983;51(4):458–72

Changing indication of percutaneous nephrostomy due to increasing experience. Hauenstein KH, et al. **Acta Urol Belg** 1983;51(4):447–52

Ultrasound guided percutaneous nephrostomy. Real-time procedure compared to former methods. Meyer-Schwickerath M, et al. **Acta Urol Belg** 1983; 51(4):435–40

Percutaneous nephrostomy guided by ultrasound. Schüller J, et al. **Acta Urol Belg** 1983;51(4):441–6

Ureteral stenting facilitated by antegrade transurethral passage of guide wire. Mitty HA. **AJR** 1984 Apr; 142(4):831–2

Catheter drainage after gynecologic surgery: a comparison of methods. Broberg C. **Am J Obstet Gynecol** 1984 May 1;149(1):18–23

Use of a guide-wire for replacement of a ureteric stent. Kjaergaard J. **Br J Urol** 1983 Oct;55(5):581–2

Clean intermittent catheterization in the management of the neurogenic bladder in children. Cass AS, et al. **J Urol** 1984

Sep;132(3):526–8
A technique for continuous infusion into the mouse bladder. Guillery EN, et al. **J Urol** 1984 May;131(5):1005–7
Transcatheter electrocautery as an aid in the percutaneous insertion of a ureteral stent. Horowitz MI, et al. **J Urol** 1984 Jul;132(1):111–2
Prevention of urinary tract infection during intermittent catheterization. Krebs M, et al. **J Urol** 1984 Jan;131(1):82–5
Intermittent catheterization: evaluation of complete dryness and independence in children with myelomeningocele. Purcell MH, et al. **J Urol** 1984 Sep;132(3):518–20
Formalin in the urinary bag: a cheap measure to control infection in urology wards [letter] Suryaprakash B, et al. **Lancet** 1984 Jul 14;2(8394):104–5
External bladder—amniotic fluid shunt for fetal urinary tract obstruction. Shalev E, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):31S–34S
A comparison of fine-bore suprapubic and an intermittent urethral catheterisation regime after spinal cord injury. Grundy DJ, et al. **Paraplegia** 1983 Aug;21(4):227–32
Suprapubic catheterisation after spinal cord injury: a follow-up report. Peatfield RC, et al. **Paraplegia** 1983 Aug; 21(4):220–6
Percutaneous removal of ureteral stents. Boren SR, et al. **Radiology** 1984 Jul;152(1):230–1
Removal of an entangled monofilament with a Chiba needle. Hawkins IF Jr, et al. **Radiology** 1984 May;151(2):529
Puncture of a nondeflatable Foley balloon using ultrasound guidance. Higgins WL, et al. **Radiology** 1984 Jun;151(3):801
Carbon dioxide as a lighter-than-urine contrast medium for percutaneous nephrostomy. Hunter DW, et al. **Radiology** 1984 Jul;152(1):211–2
Percutaneous antegrade urethral catheterization of the traumatized urethra. Lee WJ, et al. **Radiology** 1984 Apr; 151(1):250
Percutaneous nephrostomy for stone removal. LeRoy AJ, et al. **Radiology** 1984 Jun;151(3):607–12
Percutaneous nephrostomy in neonates, infants, and children. Winfield AC, et al. **Radiology** 1984 Jun;151(3):617–9
Suprapubic cystostomy catheterization in open-heart surgery. Konttinen M, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):167–8
Percutaneous nephropyelostomy: a procedure not without complications. Kleist H, et al. **Scand J Urol Nephrol** 1984; 18(1):71–4
Percutaneous introduction of suprapubic double lumen catheter into bladder for urodynamic examination. Nishizawa O, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):371–2
Suprapubic punch cystostomy [letter] Thornton JG. **Trop Doct** 1984 Jan;14(1):46
A new method for permanent catheterization in the dog. Hoekstra JW, et al. **Urol Res** 1983;11(4):191–3
Method for inserting cystostomy catheter in patients with contracted bladder. de Nollin P, et al. **Urology** 1984 Mar; 23(3):301–2
Overcoming pitfalls in placement of ureteral stents. Jacobo EC, et al. **Urology** 1984 Jun;23(6):589
Ureteroscopy and ureteropyeloscopy. Lyon ES, et al. **Urology** 1984 May;23(5 Spec No):29–36
Inserting cystostomy catheter in patients with contracted bladder [letter] Marsidi P. **Urology** 1984 Jul;24(1):111
[Intermittent catheterization of the urinary bladder] Hanuš T. **Cas Lek Cesk** 1983 Sep 16;122(37):1135–7 (Eng. Abstr.) **(Cze)**
[Percutaneous puncture nephrostomy] Poch J. **Cas Lek Cesk** 1983 Sep 16;122(37):1127–9 (Eng. Abstr.) **(Cze)**
[Transcutaneous nephrostomy] Devlesaver P. **Acta Urol Belg** 1983;51(4):473–83 (Eng. Abstr.) **(Fre)**
[Transcutaneous nephrostomy. Peculiar indications] Simon J, et al. **Acta Urol Belg** 1983;51(4):453–7 (Eng. Abstr.) **(Fre)**
[The interprostatic 'partial catheter' (urologic spiral) II] Fabian KM. **Urologe [Ausg A]** 1984 Jul;23(4):229–33 (Eng. Abstr.) **(Ger)**
[A simple method for the removal of tight-fitting indwelling catheters] Pristautz H. **Wien Med Wochenschr** 1983 Sep 30;133(18):453–4 (Eng. Abstr.) **(Ger)**
[Retrograde catheterization of the ureter and pyelography using bladder puncture with a special trocar following Cohen's procedure for anti-reflux surgery] Lamesch A. **Z Kinderchir** 1983 Aug;38(4):272–3 (Eng. Abstr.) **(Ger)**
[Use of 'internal drainage' of the kidneys in the emergency treatment of conditions caused by acute supravesicular urine retention] Morozov AV. **Urol Nefrol (Mosk)** 1984 May-Jun;(3):13–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Comparative study of the ventral and retro-peritoneal approach procedures for ureteral catheterization in the rat. Changes of renal functions and hemodynamics. Sudo J, et al. **Chem Pharm Bull (Tokyo)** 1983 Dec;31(12):4524–9

URINARY DIVERSION

Dilatation of ureteral stenoses: techniques and experience in 44 patients. Banner MP, et al. **AJR** 1984 Oct;143(4):789–93
Percutaneous nephrostomy for urinary tract obstruction. Barbaric ZL. **AJR** 1984 Oct;143(4):803–9
Antegrade ureteral stenting for dehiscence, strictures, and fistulae. Lang EK. **AJR** 1984 Oct;143(4):795–801
Colonic polyps and adenocarcinoma complicating ureterosigmoidostomy: report of a case. Cipolla R, et al. **Am J Gastroenterol** 1984 Jun;79(6):453–7
Volvulus of an ileal conduit in an inguinal hernia. Ramayya GR. **Br J Surg** 1984 Aug;71(8):637
Absorption of glucose from urinary conduits in diabetics and non-diabetics. Sridhar KN, et al. **Br Med J [Clin Res]** 1983 Nov 5;287(6402):1327–9
Palliative urinary conduit diversion in cases of intolerable urinary discomfort. Lyndrup J, et al. **Gynecol Oncol** 1983 Dec;16(3):360–4
The role of percutaneous nephrostomy in gynecologic oncology. Mann WJ, et al. **Gynecol Oncol** 1983 Dec; 16(3):393–9
Surgical management of vesicoureteral reflux in children. Remzi D, et al. **Int Urol Nephrol** 1983;15(4):323–6
Ipsilateral ureteroureterostomy in the management of duplicated collecting system and ureterocele. Waltzer WC. **Int Urol Nephrol** 1983;15(4):309–16
Risk of local urethral recurrence after radical cystectomy for bladder cancer. Beahrs JR, et al. **J Urol** 1984 Feb; 131(2):264–6
A 22-year followup of ileal conduits in children with a neurogenic bladder. Cass AS, et al. **J Urol** 1984 Sep; 132(3):529–31
Widespread urothelial tumor treated with bilateral nephroureterectomy, cystectomy, autotransplantation of one kidney and pelvioileocutaneostomy. Henriksson C, et al. **J Urol** 1984 Mar;131(3):555–7
Adenocarcinoid tumor, goblet cell type, arising in a ureteroileal conduit: a case report. Kochevar J. **J Urol** 1984 May;131(5):957–9
Ureteral obstruction during pregnancy. Laverson PL, et al. **J Urol** 1984 Feb;131(2):327–9
Ileal trigonal conduits: 10-year followup. Lowe FC, et al. **J Urol** 1983 Nov;130(5):874–7
Adenocarcinoma in an isolated sigmoid urinary conduit. Marchetti DL, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):54S–56S
Late sequelae of percutaneous nephrostomy. Work in progress. Hruby W, et al. **Radiology** 1984 Aug;152(2):383–5
Absorbability of mucosa in total replacement of urinary bladder with jejunum. An experimental study. Kollias G, et al. **Urology** 1984 Jan;23(1):51–4
Biocarbon device for cutaneous ureterostomy. Pow-Sang J, et al. **Urology** 1984 Jan;23(1):22–4
One-stage total cystectomy and ileal loop diversion in patients over eighty years' old with bladder carcinoma. Pre- and postoperative functional reserve of various organs. Tachibana M, et al. **Urology** 1983 Nov;22(5):512–6
[Kidney transplantation in patients with urinary diversion] Arendsen HJ, et al. **Ned Tijdschr Geneeskd** 1984 Jun 23; 128(25):1179–82 (Eng. Abstr.) **(Dut)**
[Long-term observations following urinary drainage into the intact large intestine] Rummelhardt S, et al. **Z Urol Nephrol** 1983 Sep;76(9):561–5 (Eng. Abstr.) **(Ger)**
[Behavior of the mucosa of the large intestine following definite urinary diversion] Zacher W, et al. **Z Urol Nephrol** 1984 Mar;77(3):137–43 (Eng. Abstr.) **(Ger)**
[Gynecologic and obstetric problems in patients with ureterointestinal anastomosis in bladder exstrophy] Pietsch P, et al. **Zentralbl Gynakol** 1983;105(22):1450–6 (Eng. Abstr.) **(Ger)**
[The intestinal mucosa of neo-bladders and ileal conduits] Bacchi Bottazzi A, et al. **Arch Ital Anat Embriol** 1983 Jul-Sep;88(3):207–25 (Eng. Abstr.) **(Ita)**
[Changes of the renal function after permanent urinary diversion] Sasaki S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1394–404 (Eng. Abstr.) **(Jpn)**
[Assessment of the vascularization of the terminal ureter in ureterosigmoidostomy] Roca Suarez A, et al. **Actas Urol Esp** 1984 May-Jun;8(3):191–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Perforation of renal pelvis by internal ureteral stents. Salazar JE, et al. **AJR** 1984 Oct;143(4):816–8
Demonstration of epoxy resin in stoma pouch plastic. Fregert S, et al. **Contact Dermatitis** 1984 Feb;10(2):106
Rectosigmoid carcinoma occurring after ureterosigmoidostomy. Harford FJ, et al. **Dis Colon Rectum** 1984 May;27(5):321–4
Complications of maternal spina bifida. Powell B, et al. **Ir J Med Sci** 1984 Jan;153(1):20–1
The pathophysiology of the jejunal conduit syndrome and its exacerbation by parenteral hyperalimentation. Bonnheim DC, et al. **J Surg Oncol** 1984 Jul;26(3):172–5
Cancer surveillance after ureterosigmoidostomy: colonic microscopic changes. Gilchrist KW, et al. **J Surg Res** 1984 Mar;36(3):251–5
Bacterial adherence in the human ileal conduit: a morphological and bacteriological study. Bruce AW, et al. **J Urol** 1984 Jul;132(1):184–8
Ammoniagenic coma following ureterosigmoidostomy. Kaufman JJ. **J Urol** 1984 Apr;131(4):743–5
Massive bleeding from an ileal conduit caput medusae. Lo RK, et al. **J Urol** 1984 Jan;131(1):114–5
Re: Adenomatous polyp in ileal conduit [letter] Ridaura C. **J Urol** 1984 Jan;131(1):125
Osteomalacia due to ileal replacement of ureters: report of 2 cases. Salahudeen AK, et al. **J Urol** 1984 Feb;131(2):335–7
Pregnancy following urinary diversion. Barrett RJ 2d, et al. **Obstet Gynecol** 1983 Nov;62(5):582–6
Polyps at the site of ureterosigmoidostomy. Chiarelli SM, et al. **Tumori** 1984 Apr 30;70(2):209–15
Complications of cutaneous ureterostomy and other cutaneous diversion. Burstein JD, et al. **Urol Clin North Am** 1983 Aug;10(3):433–43
Complications of ureterosigmoidostomy. Duckett JW, et al. **Urol Clin North Am** 1983 Aug;10(3):473–81
Complications of ileal loop and colon conduit urinary diversion. Hendren WH, et al. **Urol Clin North Am** 1983 Aug;10(3):451–71
Complications of cutaneous vesicostomy in children. Hurwitz RS, et al. **Urol Clin North Am** 1983 Aug;10(3):503–8
Complications of urinary undiversion. Retik AB, et al. **Urol Clin North Am** 1983 Aug;10(3):483–8
Histologic study of kidneys drained by short ileal conduits in dogs. Redman JF. **Urology** 1984 Aug;24(2):185–9
Mucinous adenocarcinoma of bladder. Case associated with extensive intestinal metaplasia of urothelium in patient with nonfunctioning bladder for twelve years. Young RH, et al. **Urology** 1984 Aug;24(2):192–5
[Adenocarcinoma of the colon after uretero-sigmoidostomy] Sacre R, et al. **Acta Gastroenterol Belg** 1983 Jan-Feb; 46(1-2):64–73 (Eng. Abstr.) **(Fre)**
[Colonic tumors after ureterosigmoidostomy. Value of coloscopy in their detection and treatment] Barbier JP, et al. **Ann Med Interne (Paris)** 1983;134(6):525–9 (Eng. Abstr.) **(Fre)**
[Ileo-ureteral reflux after urinary diversion through an ileal conduit] van Poppel H, et al. **Urologe [Ausg A]** 1983 Nov; 22(6):446–9 (Eng. Abstr.) **(Ger)**
[Early surgical complications of corrective operations in congenital hydronephrosis in children] Bairov GA, et al. **Vestn Khir** 1984 May;132(5):84–7 (Eng. Abstr.) **(Rus)**

HISTORY

Exstrophy of the bladder progress of management during the last 25 years. Rickham PP, et al. **Prog Pediatr Surg** 1984;17:169–88

INSTRUMENTATION

Complications with Bonanno suprapubic catheters. Drutz HP, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):685–6
A new real-time sonographic technique for removal of ureteral stents. Elyaderani M, et al. **J Ultrasound Med** 1984 Feb;3(2):83–4
Evaluation of a new nonadhesive urine collection device for patients with ileal conduits. Albertsen PC, et al. **J Urol** 1984 Mar;131(3):454–5
Indwelling double-J ureteral stents for temporary and permanent urinary drainage: experience with 87 patients. Andriole GL, et al. **J Urol** 1984 Feb;131(2):239–41
Use of double-J urinary diversion stents in intestinal urinary diversion [letter] Cranidis AJ. **Urology** 1984 Feb;23(2):225
Use of single J urinary diversion stents in intestinal urinary diversion. Jarowenko MV, et al. **Urology** 1983 Oct; 22(4):369–70
'O' ring urinary ostomy appliance. Kaufman JJ, et al. **Urology** 1984 Feb;23(2):180–2
Percutaneous ureteral surgery and stenting. Smith AD. **Urology** 1984 May;23(5 Spec No):37–42
[Ultrasound-guided percutaneous one-step nephrostomy] Schüller J, et al. **Fortschr Med** 1984 May 17;102(19):537–40 (Eng. Abstr.) **(Ger)**
[Circle tube nephrostomy—designing of a circle tube and connector] Murakami M, et al. **Hinyokika Kiyo** 1983 Nov; 29(11):1493–8 (Eng. Abstr.) **(Jpn)**

METHODS

A continent urostomy: a case history. LaFollette SS. **AORN J** 1984 Aug;40(2):207–15
The colonic conduit: a better method of urinary diversion? Hill JT, et al. **Br J Urol** 1983 Dec;55(6):629–31
Palliative urinary diversion in patients with advanced cervical cancer. Fukuoka M, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec;16(4):293–8
Percutaneous nephrostomy for ureteral obstruction in patients with gynecologic malignancy. Coddington CC, et al. **Gynecol Oncol** 1984 Jul;18(3):339–48
Computed tomography of ileal loop urinary diversion in adults. Spring DB, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):866–70
Ureterostomy in situ as an aid to reconstructive urologic surgery. Bellinger MF. **J Urol** 1984 May;131(5):950–2
Cutaneous ureterostomy as a permanent external urinary diversion in children. Kogan BA, et al. **J Urol** 1984 Oct; 132(4):729–31
Total reconstruction of the lower urinary tract using bowel and the artificial urinary sphincter. Light JK, et al. **J Urol** 1984 May;131(5):953–6
Percutaneous nephrostomy in neonates and infants. LiPuma JP, et al. **J Urol** 1984 Oct;132(4):722–4
Five years of experience with a modified technique of ureterocolonic anastomosis. Pagano F, et al. **J Urol** 1984 Jul;132(1):17–8
Pan-caliceal ileoneocystostomy: indications, modifications and further evaluation. Wong SH, et al. **J Urol** 1984 Oct; 132(4):668–9

Vaginal cuff cutaneous ureterostomy as a model for split renal function study in dog. Ariyoshi A, et al. **Urol Int** 1983; 38(6):346–50

Use of ureter of nonfunctioning renal unit in pediatric urinary reconstruction. Noe HN, et al. **Urology** 1984 Feb; 23(2):144–7

Cystectomy in perspective. Radwin HM. **Urology** 1984 Apr; 23(4 Suppl):101–3

Percutaneous nephrostomy and maintenance of nephrostomy drainage. Roven SJ, et al. **Urology** 1984 May;23(5 Spec No):25–8

[Antenatal treatment of fetal urinary tract malformations. Apropos of the treatment of a case of posterior urethral valves] Fournié A, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(6):649–56 (Eng. Abstr.) **(Fre)**

[Nephrostomy and percutaneous internal bypass. Technic and results. Apropos of 130 cases] Maillet PJ, et al.
J Radiol 1984 May;65(5):343–53 (Eng. Abstr.) **(Fre)**

[Is antireflux management of a ureteral lesion occurri..g during gynecologic surgery absolutely necessary?] Becht E, et al. **Geburtshilfe Frauenheilkd** 1984 Jun;44(6):359–62 (Eng. Abstr.) **(Ger)**

[Percutaneous ultrasonic-guided nephropyelostomy in tumor-caused block of urinary outflow] Heckemann R, et al. **Strahlentherapie** 1984 Feb;160(2):104–7 (Eng. Abstr.) **(Ger)**

[Ureteral reimplantation using the psoas bladder-hitch. Experience based on 111 operations in 100 patients] Staehler G, et al. **Urol Int** 1984;39(3):143–6 (Eng. Abstr.) **(Ger)**

[Transureteral ureteronephrostomy—a possibility for palliative supravesical urinary diversion] Matz M, et al. **Z Urol Nephrol** 1984 Jan;77(1):41–6 (Eng. Abstr.) **(Ger)**

[Excretory behavior in transureteral ureterostomy with unilateral definitive nephrostomy (TUUS II)] Oehler D, et al. **Z Urol Nephrol** 1984 Jan;77(1):31–40 (Eng. Abstr.) **(Ger)**

[Percutaneous nephrostomy. Indications, technic, results and complications] Puppo P, et al. **Minerva Urol** 1983 Oct–Dec; 35(4):267–77 (Eng. Abstr.) **(Ita)**

[Clinical study on ureterosigmoidostomy] Takasaki N, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1395–400 (Eng. Abstr.) **(Jpn)**

[Surveillance colonoscopy after ureterosigmoidostomy] Takasaki N, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1401–9 (Eng. Abstr.) **(Jpn)**

[Renal autotransplantation in urinary reconstructive surgery] Ono Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct; 74(10):1784–8 (Eng. Abstr.) **(Jpn)**

[Conservative urinary tract surgery in 2 cases of vesico-intestinal fistula caused by radiotherapy of cervical cancer] Kagabu T, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1983 Sep;35(9):1685–8 **(Jpn)**

[Surgical treatment of total urinary incontinence by the Leadbetter method] Borówka A, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):245–8 (Eng. Abstr.) **(Pol)**

[Results of surgical treatment of subpelvic ureteral stenosis by the Hynes-Anderson method] Gruchalski J, et al.
Wiad Lek 1984 Jan 1;37(1):5–11 (Eng. Abstr.) **(Pol)**

[Decompression of the urinary tract after plastic surgery of the ureters in children] Kushch NL, et al. **Vestn Khir** 1984 Feb;132(2):78–82 (Eng. Abstr.) **(Rus)**

[Urinary diversion] Dračí P, et al. **Med Pregl** 1983 Jan; 36(1–2):53–6 **(Scr)**

[Ureterocystoneostomy in kidney transplant: comparative evaluation of 2 technics] Gutiérrez Calzada JL, et al.
Actas Urol Esp 1984 May–Jun;8(3):199–204 (Eng. Abstr.) **(Spa)**

[Bipodalic cutaneous ureterostomy. Method of choice for transileal cutaneous ureterostomies] Scorticati CH, et al.
Arch Esp Urol 1983 Mar–Apr;36(2):83–96 (Eng. Abstr.) **(Spa)**

NURSING

The enterostomal therapist. An OR resource. Ritter MG. **AORN J** 1984 Feb;39(2):190–3

PSYCHOLOGY

Perceptions of sexual attractiveness following ostomy surgery. Gloeckner MR. **Res Nurs Health** 1984 Jun; 7(2):87–92

VETERINARY

Urinary diversion. Stone EA, et al.
Vet Clin North Am [Small Anim Pract] 1984 Jan; 14(1):123–31 (20 ref.)

URINARY FISTULA

[Uretero-vaginal fistulas. Considerations on 15 cases] Filimon C, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun; 87(2):225–9 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Spontaneous delivery of giant urethral calculus. Khamesra HL, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):173–4

[A case of sudden gross hematuria caused by an iliac artery-ureteral fistula] Akaba N, et al.
Nippon Geka Gakkai Zasshi 1983 Jul;84(7):648–53 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Apposing suture lines as an important factor towards neo-urethral fistulation in hypospadias surgery in children. Lau JT. **Aust NZ J Surg** 1983 Dec;53(6):573–5

Spontaneous nephrocolic fistula: causal association with urinary bilharziasis. Elem B, et al. **Cent Afr J Med** 1984 May;30(5):77–80

Incontinence: vesical and urethral fistulas. Symmonds RE. **Clin Obstet Gynecol** 1984 Jun;27(2):499–514

Ureteral strictures and fistulae following radical hysterectomy. Hatch KD, et al. **Gynecol Oncol** 1984 Sep; 19(1):17–23

The ureter in renal transplantation. Rezníček J, et al.
Int Urol Nephrol 1984;16(1):69–76

Ureteroarterial and ureterosigmoid fistula associated with polyethylene indwelling ureteral stents. Kar A, et al.
J Urol 1984 Oct;132(4):755–7

Late development of a urethrocavernous fistula after cavernospongiosum shunt for priapism. Robbins DM, et al. **J Urol** 1984 Jul;132(1):126–7

Ureteral common iliac artery fistula: a complication of internal double-J ureteral stent. Smith RB. **J Urol** 1984 Jul;132(1):113

Ureteroarterial fistula: a case report. Toolin E, et al.
J Urol 1984 Sep;132(3):553–4

Urethral fistulae of tuberculous origin. Palaniswamy R, et al. **Singapore Med J** 1984 Feb;25(1):54–6

[Malignant tumorous urogenital fistula. Apropos of 19 cases] Filimon C, et al. **J Urol (Paris)** 1983;89(8):573–9 (Eng. Abstr.) **(Fre)**

[Complications following external radiotherapy of prostate cancer. Case reports and overview of the literature] Schmiedt E, et al. **Urologe [Ausg A]** 1984 May;23(3):149–52 (Eng. Abstr.) **(Ger)**

[Urethral fistula due to implanted penile prosthesis] Ginesin Y, et al. **Harefuah** 1984 May 15;106(10):458–9 (Eng. Abstr.) **(Heb)**

OCCURRENCE

A review of urinary fistulae in a university teaching hospital. Wadhawan S, et al. **Int J Gynaecol Obstet** 1983 Oct; 21(5):381–5

PATHOLOGY

Renal actinomycosis associated with a duodenorenal fistula caused by foreign body. Abe F, et al. **Acta Pathol Jpn** 1984 Mar;34(2):411–5

RADIOGRAPHY

Abscess-fistula association: radiologic recognition and percutaneous management. Papanicolaou N, et al. **AJR** 1984 Oct;143(4):811–5

Nephro colo cutaneous fistula: use of CT scan to aid diagnosis. Cohen EL, et al. **Comput Radiol** 1983 Sep–Oct; 7(5):291–4

The radiologic diagnosis of complications following gynecologic surgery: radiography, computed tomography, sonography, and scintigraphy. Demos TC, et al.
CRC Crit Rev Diagn Imaging 1984;22(1):43–94 (69 ref.)

Pyeloduodenal fistula. Rodney K, et al. **Urology** 1983 Nov; 22(5):536–9

[Reno-cutaneous fistula: report of a case] Tozzi L.
Radiol Med (Torino) 1983 May;69(5):337–8 **(Ita)**

[A case of spontaneous pyeloduodenal fistula] Sakamoto W, et al. **Hinyokika Kiyo** 1983 Jan;29(1):39–43 (Eng. Abstr.) **(Jpn)**

SURGERY

Antegrade ureteral stenting for dehiscence, strictures, and fistulae. Lang EK. **AJR** 1984 Oct;143(4):795–801

The repair of urethral fistulae: a simple technique. Campbell G, et al. **Br J Plast Surg** 1984 Apr;37(2):169–70

Fistulae involving rectum and urethra: the place of Parks's operations. Tiptaft RC, et al. **Br J Urol** 1983 Dec; 55(6):711–5

Endourologic management of renal transplant complications. Streem SB. **Cleve Clin Q** 1984 Summer;51(2):349–55

York Mason procedure for repair of postoperative rectoprostatic urethral fistula. Prasad ML, et al.
Dis Colon Rectum 1983 Nov;26(11):716–20

An unusual case of rectourethral fistula. Restoration by using a flap from the bladder. Kokotas N, et al.
Int Urol Nephrol 1983;15(1):61–3

Loop colon rectovaginoplasty for high cloacal anomaly. Harrison MR, et al. **J Pediatr Surg** 1983 Dec;18(6):885–6

Nephrobronchial fistula. Closure by thoraco-abdominal approach and the use of free fascia lata graft. (A case report). Sachdeva NK, et al. **J Postgrad Med** 1983 Apr; 29(2):108–10, 110A

Inlay fascial graft for the treatment of multiple benign urethral fistulas. Lau JT, et al. **J R Coll Surg Edinb** 1984 Mar;29(2):113–4

Management of giant vesicovaginal and vesicourethrovaginal fistulas. Bissada NK, et al. **J Urol** 1983 Dec;130(6):1073–5

Results of closure of urethrocutaneous fistulas in children. Geltzeiler J, et al. **J Urol** 1984 Oct;132(4):734–6

Urethrovaginal fistula: a review of the surgical management. Webster GD, et al. **J Urol** 1984 Sep;132(3):460–2

Repair of urinary tract fistulas with bulbocavernosus myocutaneous flaps. Hoskins WJ, et al. **Obstet Gynecol** 1984 Apr;63(4):588–93

Operations on previously operated patients with hypospadias. Frick J, et al. **Prog Pediatr Surg** 1984;17:57–63

Duodenoureteral fistula. McElwee TB, et al.
South Med J 1983 Dec;76(12):1587–8

Operative occlusion of urethral fistulas by pyramidal muscle-fascial strips. Rothauge CF, et al. **Urology** 1983 Dec;22(6):644–5

[Fenestration at the pelvic outlet in the repair of urinary fistula] Zhang ZM. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):23–5 (Eng. Abstr.) **(Chi)**

[Treatment of an urethrorectal fistula by anterior transanorectal perineal approach. Apropos of a case] Delalande JP, et al. **J Urol (Paris)** 1983;89(7):529–32 (Eng. Abstr.) **(Fre)**

[Renogluteal fistula caused by calculous pyonephrosis: surgical procedure] Díaz Calleja E, et al.
Arch Esp Urol 1983 May–Jun;36(3):209–12 (Eng. Abstr.) **(Spa)**

URINARY INCONTINENCE

A continent urostomy: a case history. LaFollette SS.
AORN J 1984 Aug;40(2):207–15

Urinary incontinence in the elderly [letter] Hadley E, et al.
J Urol 1984 May;131(5):985–6

CHEMICALLY INDUCED

Urinary incontinence associated with metoclopramide [letter] Kumar BB. **JAMA** 1984 Mar 23–30;251(12):1553

Bromocriptine and urinary incontinence [letter] Caine M.
Lancet 1984 Jan 28;1(8370):228

Urinary incontinence in patient on long-term bromocriptine [letter] Sandyk R, et al. **Lancet** 1983 Nov 26;2(8361):1260–1

COMPLICATIONS

Complications of the artificial urinary sphincter in pediatric patients. Light JK, et al. **Urol Clin North Am** 1983 Aug; 10(3):551–5

DIAGNOSIS

Urinary incontinence in the elderly female: prediction in diagnosis and outcome of management. Eastwood HD, et al. **Age Ageing** 1984 Jul;13(4):230–4

Determination of the urethral stress profile with the aid of perfused catheters. Gross W, et al. **Arch Gynecol** 1983; 234(1):67–73

Detection of fluid entry into the urethra by electric impedance measurement: electric fluid bridge test. Plevnik S, et al. **Clin Phys Physiol Meas** 1983 Aug;4(3):309–13

A critical evaluation of the assessment technology for urinary continence in older persons. Williams ME.
J Am Geriatr Soc 1983 Nov;31(11):657–64

Urinary incontinence in the elderly. Brocklehurst JC.
Practitioner 1984 Mar;228(1389):275–82

Ultrasound in evaluation of urinary incontinence secondary to ectopic ureter. Kaude JV, et al. **ROFO** 1983 Nov; 139(5):578–9

[Symptoms and urodynamic findings in women with dysfunction of the lower urinary tract] Thind P, et al.
Ugeskr Laeger 1984 Apr 9;146(15):1118–21 (Eng. Abstr.) **(Dan)**

[Essential features in the exploration and treatment of female urinary incontinence with a healthy bladder] Couvelaire R. **J Urol (Paris)** 1983;89(5):295–8 (Eng. Abstr.) **(Fre)**

[Personal experiences with the standardized incontinence questionnaire. A comparison with results of urodynamic studies] Voigt R. **Geburtshilfe Frauenheilkd** 1984 Feb; 44(2):96–9 (Eng. Abstr.) **(Ger)**

[Current diagnosis of female urinary incontinence] Petri E.
Gynakologe 1983 Dec;16(4):190–9 (54 ref.) **(Ger)**

[Considerations on diagnosis and therapy of a urogynecologic disease. Notes on H. Huland's paper: Stress incontinence in women (letter)] Voigt R. **Urologe [Ausg A]** 1983 Nov; 22(6):453–4 **(Ger)**

DRUG THERAPY

Urinary incontinence in the female. A long-term study of the effect of anticholinergics on overactive detrusor function. Walter S, et al. **Acta Obstet Gynecol Scand** 1984; 63(2):159–61

Preliminary results in the treatment of the unstable bladder with Flunarizine. Tosto A, et al. **Acta Urol Belg** 1983; 51(3):300–3

In vivo and in vitro studies on the effect of sodium antagonists on the bladder in man and rat. Castleden CM, et al.
Age Ageing 1983 Aug;12(3):249–55

Pulmonary Teflon granulomas following periurethral Teflon injection for urinary incontinence [letter] Mittleman RE, et al. **Arch Pathol Lab Med** 1983 Nov;107(11):611–2

Treatment of motor urge incontinence with clenbuterol and flavoxate hydrochloride. Grüneberger A.
Br J Obstet Gynaecol 1984 Mar;91(3):275–8

Mazindol in the control of micturition. Woodhouse CR, et al. **Br J Urol** 1983 Dec;55(6):636–8

[Pharmacology and drug treatment of urinary incontinence in women] Jurascheck F, et al. **Acta Urol Belg** 1984 Apr; 52(2):224–36 (Eng. Abstr.) **(Fre)**

[Long-term results of neural therapy in irritable bladder]

Bartl W, et al. **MMW** 1984 Jan 13;126(2):35–7 **(Ger)**
[Drug therapy possibilities in urinary incontinence] Hauri D. **Praxis** 1983 Nov 15;72(46):1445–50 (Eng. Abstr.) **(Ger)**

ECONOMICS

The costs of urinary incontinence in nursing homes. Oustlander JG, et al. **Med Care** 1984 Jan;22(1):69–79

ETIOLOGY

Giggle incontinence. Williams DI. **Acta Urol Belg** 1984 Apr; 52(2):151–3
Complications with Bonanno suprapubic catheters. Drutz HP, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):685–6
Incontinence: vesical and urethral fistulas. Symmonds RE. **Clin Obstet Gynecol** 1984 Jun;27(2):499–514
Causes and treatment of bladder incontinence. Wheatley JK. **Compr Ther** 1983 Aug;9(8):27–33
Cervical spondylotic myelopathy: a cause of gait disturbance and urinary incontinence in older persons. Murray PK. **J Am Geriatr Soc** 1984 Apr;32(4):324–30
Post-traumatic preprostatic vesicourethral fistula with stricture at apex of prostate as a cause of correctable urinary incontinence. Singh P, et al. **J Indian Med Assoc** 1983 Aug; 81(3–4):60–1, 63
Morbidity of radical perineal prostatectomy following transurethral resection of the prostate. Elder JS, et al. **J Urol** 1984 Jul;132(1):55–7
Labial adhesions presenting as urinary incontinence in postmenopausal women. Chuong CJ, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):81S–84S
Evaluation and management of children with sacral agenesis. Guzman L, et al. **Urology** 1983 Nov;22(5):506–10
[Repeated surgical treatment of vaginal eversion with recurrent urinary incontinence following total hysterectomy] Hardy JC. **Acta Urol Belg** 1984 Apr; 52(2):336–7 (Eng. Abstr.) **(Fre)**
[Enuresis risoria (diagnosis and differential diagnosis)] Scultéty S. **Orv Hetil** 1984 May 27;125(22):1327–8 (Eng. Abstr.) **(Hun)**
[Detection of bladder neck incompetence in women with urinary incontinence] Ostrem T, et al. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1046–7 (Eng. Abstr.) **(Nor)**
[Neuromuscular dysfunction of the lower urinary tract in women] Stanek J. **Ginekol Pol** 1984 Jan;55(1):39–46 (Eng. Abstr.) **(Pol)**

HISTORY

A history of urinary incontinence: or, 400 years of incontinence—are we any drier? Kirshen AJ, et al. **J Am Geriatr Soc** 1984 Sep;32(9):686–8

NURSING

A survey of the problems of bowel management experienced by families of spina bifida children. Stellman GR, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:96–7

OCCURRENCE

Urinary incontinence in the geriatric population of an acute care hospital. Sullivan DH, et al. **J Am Geriatr Soc** 1984 Sep;32(9):646–50

PHYSIOPATHOLOGY

Urethral closure pressure profile measurements in female urinary incontinence. Glen ES, et al. **Acta Urol Belg** 1984 Apr;52(2):174–9
The clinical implication of continuous urethral pressure measurement in women with incontinence. Venema PL, et al. **Acta Urol Belg** 1984 Apr;52(2):207–15
Simultaneous urethrocystometry in gynaecological patients with lower urinary tract dysfunction. Reiertsen O, et al. **Ann Chir Gynaecol** 1983;72(5):278–81
Relationships among intravaginal pressure, orgasmic function, parity factors, and urinary leakage. Freese MP, et al. **Arch Sex Behav** 1984 Jun;13(3):261–8
Symptoms that depress the doctor. Urge incontinence. McGuire EJ. **Br J Hosp Med** 1984 Feb;31(2):149–54
Bladder instability. Is the primary defect in the urethra? Hindmarsh JR, et al. **Br J Urol** 1983 Dec;55(6):648–51
Urodynamic evaluation of incontinence in patients undergoing modified Campbell radical retropubic prostatectomy: a prospective study. Rudy DC, et al. **J Urol** 1984 Oct;132(4):708–12
[The importance of systematic urodynamic exploration prior to surgery for incontinence] Bohler JL. **Acta Urol Belg** 1984 Apr;52(2):164–70 (Eng. Abstr.) **(Fre)**
[The striated sphincter of the urethra in female urinary incontinence] de Leval J. **Acta Urol Belg** 1984 Apr; 52(2):180–6 (Eng. Abstr.) **(Fre)**
[Cystometry and female incontinence] Grasset D, et al. **Acta Urol Belg** 1984 Apr;52(2):171–3 (Eng. Abstr.) **(Fre)**
[Simultaneous urethrocystometry and urethral instability in female incontinence] Penders L. **Acta Urol Belg** 1984 Apr; 52(2):200–6 (Eng. Abstr.) **(Fre)**
[The problem patient—the 'irritable bladder'] Laible V, et al. **MMW** 1984 Jan 13;126(2):33–4 **(Ger)**
[Urodynamic studies on postmicturition dribble] Furuya S, et al. **Hinyokika Kiyo** 1983 Apr;29(4):395–400 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

'Rotation cut technique' for avoiding damage to the external sphincter. Lent V. **Eur Urol** 1983;9(5):316–8
'Timed voiding'—a useful tool in the treatment of urinary incontinence. Godec CJ. **Urology** 1984 Jan;23(1):97–100

PSYCHOLOGY

[Urinary incontinence of aged patients in the field of behavior (or from a specifically medical thought process to geriatric psychiatry)] Richard J, et al. **Rev Med Suisse Romande** 1984 Apr;104(4):267–72 **(Fre)**

RADIOGRAPHY

[The value of the colpocystogram in the diagnosis and therapeutic indications of urinary incontinence in women] Scali P, et al. **Acta Urol Belg** 1984 Apr;52(2):156–63 **(Fre)**

REHABILITATION

Early bladder training in patients with spina bifida. Bille B, et al. **Acta Paediatr Scand** 1984 Jan;73(1):60–4
Self-retaining catheters for congenital neuropathic bladder: a continuing evaluation. Minns RA, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:94–5
[Controlling urgent urinary incontinence by re-educating the bladder] Halaška M, et al. **Cesk Gynekol** 1984 Apr; 49(3):191–6 (Eng. Abstr.) **(Cze)**
[Treatment of female urinary incontinence by rehabilitation] Perrigot M, et al. **Acta Urol Belg** 1984 Apr;52(2):237–43 (Eng. Abstr.) **(Fre)**
[The importance of perineal rehabilitation following delivery] Pigne A, et al. **Acta Urol Belg** 1984 Apr;52(2):255–60 (Eng. Abstr.) **(Fre)**
[Biofeedback (controlled auto-relaxation) to complement perineal exercises in the medical treatment of urinary incontinence in women. Preliminary study] Wart F, et al. **Acta Urol Belg** 1984 Apr;52(2):261–8 (Eng. Abstr.) **(Fre)**

SURGERY

Incontinence surgery in female motor urge incontinence. Meyhoff HH, et al. **Acta Obstet Gynecol Scand** 1983; 62(4):365–8
The artificial urinary sphincter in children. Light JK, et al. **Br J Urol** 1984 Feb;56(1):54–7
Long-term results of bladder transection for urge incontinence. Mundy AR. **Br J Urol** 1983 Dec;55(6):642–4
Preliminary results of AS 791/792 artificial sphincter for urinary incontinence. Stephenson TP, et al. **Br J Urol** 1983 Dec;55(6):684–6
Evolution of implanted devices for urinary incontinence. Montague DK. **Cleve Clin Q** 1984 Summer;51(2):405–9
The artificial sphincter for urinary continence. Kroovand RL. **Dev Med Child Neurol** 1983 Aug;25(4):520–3
Clinical aspects of augmentation enterocystoplasties. Lunghi F, et al. **Eur Urol** 1984;10(3):159–63
Experience with the artificial urinary sphincter in children and young adults. Mitchell ME, et al. **J Pediatr Surg** 1983 Dec;18(6):700–6
Incontinence, intermittent self-catheterization and the artificial genitourinary sphincter. Barrett DM, et al. **J Urol** 1984 Aug;132(2):268–9
Long-term followup of the artificial urinary sphincter. Diokno AC, et al. **J Urol** 1984 Jun;131(6):1084–6
Closure of the bladder neck in spinal cord injury patients with urethral sphincteric incompetence and irreparable urethral pathological conditions. Hulecki SJ, et al. **J Urol** 1984 Jun;131(6):1119–21
Treatment of urinary incontinence with an artificial sphincter: further experience with the AS791/792 device. Sidi AA, et al. **J Urol** 1984 May;131(5):891–3
Troubleshooting the malfunctioning Scott artificial urinary sphincter. Webster GD, et al. **J Urol** 1984 Feb; 131(2):269–72
Denervation of the bladder [editorial] **Lancet** 1984 May 19; 1(8386):1106–8
Urodynamic predictability of voiding following incontinence surgery. Bhatia NN, et al. **Obstet Gynecol** 1984 Jan; 63(1):85–91
Treatment of urinary incontinence after radical hysterectomy. Kadar N, et al. **Obstet Gynecol** 1984 Sep; 64(3):400–5
Sling operation for total incontinence following radical vulvectomy. Kadar N, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):85S–87S
Experience in private practice with the implantable artificial urinary sphincter. Riemenschneider HW, et al. **Ohio State Med J** 1983 Aug;79(8):630–3
Urinary incontinence in children: treatment with free autogenous muscle transplantation. Hakelius L, et al. **Prog Pediatr Surg** 1984;17:155–67
Long term results of superselective sacral nerve resection for motor urge incontinence. Opsomer RJ, et al. **Scand J Urol Nephrol** 1984;18(2):101–5
Artificial urinary Sphincter 800. Brown J, et al. **Urology** 1984 May;23(5):479–83
Endoscopic suspension of vesical neck for urinary incontinence. Schaeffer AJ, et al. **Urology** 1984 May; 23(5):484–94
[Surgical treatment of vaginal prolapse and urinary incontinence in women] Durveniashki Kh. **Akush Ginekol (Sofiia)** 1984;23(1):74–6 (Eng. Abstr.) **(Bul)**
[Hauri's plasty for incontinence after prostatectomy] Jarolím L. **Rozhl Chir** 1983 Sep;62(8–9):575–8 (Eng. Abstr.) **(Cze)**
[Non-pharmacologic treatment of bladder hyperactivity] Buzelin JM, et al. **Acta Urol Belg** 1984 Apr;52(2):244–54 (Eng. Abstr.) **(Fre)**
[The value of the Marshall-Marchetti operation in the treatment of female bladder incontinence] Vanwelkenhuyzen P, et al. **Acta Urol Belg** 1984 Apr; 52(2):291–6 (Eng. Abstr.) **(Fre)**
[Complications of the Burch operation] Verges J, et al. **Acta Urol Belg** 1984 Apr;52(2):283–5 (Eng. Abstr.) **(Fre)**
[Treatment of urinary incontinence of neurological origin by implantation of Scott's artificial sphincter. Apropos of 23 cases] Mollard P, et al. **Chirurgie** 1983;109(10):861–7 (Eng. Abstr.) **(Fre)**
[A case of hypospadias in a woman whose incontinence was repaired surgically] Tsujimoto Y, et al. **Hinyokika Kiyo** 1984 Jan;30(1):29–33 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of total urinary incontinence by the Leadbetter method] Borówka A, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):245–8 (Eng. Abstr.) **(Pol)**

THERAPY

The effects of manipulation of social reinforcement on toilet requests on a geriatric ward. Tarrier N, et al. **Age Ageing** 1983 Aug;12(3):234–9
Chronic indwelling bladder catheterization. Weiss BD. **Am Fam Physician** 1984 Sep;30(3):161–6
The incontinent patient. A roundtable discussion. Andersen R, et al. **Am Pharm** 1984 Jun;NS24(6):31–40
The Artificial Urinary Sphincter. State-of-the-art treatment for urinary incontinence. West JE 3d. **Ariz Med** 1984 Apr; 41(4):244–7
Transsacral neurolytic nerve blockade [letter] Ryan DW. **Br J Anaesth** 1984 Jun;56(6):669–70
Incontinence [letter] **Br Med J [Clin Res]** 1983 Oct 29; 287(6401):1298–9
Incontinence [editorial] Hargreave TB, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1002–3
Urinary incontinence in the elderly: a review. Kirshen AJ. **Clin Invest Med** 1983;6(4):331–9 (155 ref.)
Management of neurogenic bladder dysfunction in children. Bauer SB. **J Urol** 1984 Sep;132(3):544–5
Does electrostimulation cure urinary incontinence? Fall M. **J Urol** 1984 Apr;131(4):664–7
Transurethral polytetrafluoroethylene injection for post-prostatectomy urinary incontinence. Kaufman M, et al. **J Urol** 1984 Sep;132(3):463–4
Periurethral polytetrafluoroethylene injections in incontinent female subjects with neurogenic bladder disease. Lewis RI, et al. **J Urol** 1984 Mar;131(3):459–62
Urodynamic findings and clinical status following vesical denervation procedures for control of incontinence. McGuire EJ, et al. **J Urol** 1984 Jul;132(1):87–8
Intermittent catheterization: evaluation of complete dryness and independence in children with myelomeningocele. Purcell MH, et al. **J Urol** 1984 Sep;132(3):518–20
Overhydration: precautions when treating urinary incontinence. Thompson T, et al. **Ment Retard** 1983 Aug; 21(4):139–43
Urinary incontinence in the elderly. Murphy JB, et al. **Wis Med J** 1983 Sep;82(9):19–21
[Electrotherapy of incontinence in various urinary disorders following corrective surgery] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1984;23(3):252–5 (Eng. Abstr.) **(Bul)**
[Urinary incontinence treated with colposuspension by the Burch method. A study with special reference to the effect on mixed stress and urge incontinence] Lose G, et al. **Ugeskr Laeger** 1983 Oct 31;145(44):3395–8 (Eng. Abstr.) **(Dan)**
[Is the field delimitation between urology and gynecology desirable?] de Bruin AJ. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1106–7 **(Dut)**
[Endoscopic injection of Teflon in urinary incontinence in women] Vicente J, et al. **J Urol (Paris)** 1984;90(1):35–8 (Eng. Abstr.) **(Fre)**
[Transcutaneous electrical stimulation for the control of frequency and urge incontinence] Nakamura M, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1053–9 (Eng. Abstr.) **(Jpn)**
[Urodynamics. IX. Therapy of urge incontinence by electric stimulation of anus sphincter] Kaneko S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1339–45 (Eng. Abstr.) **(Jpn)**
[Results of the treatment of children with neurogenic bladder by transurethral intravesical electric stimulation] Bielowicz-Hilgier A, et al. **Probl Med Wieku Rozwoj** 1983; 12:105–10 (Eng. Abstr.) **(Pol)**
[Electrostimulation of the anal sphincter in incontinence among patients with spinal cord lesions] Livshits AV, et al. **Zh Vopr Neirokhir** 1983 Nov-Dec;(6):36–40 (Eng. Abstr.) **(Rus)**

URINE

Effect of chlorophyllin on urinary odor in incontinent geriatric patients. Nahata MC, et al. **Drug Intell Clin Pharm** 1983 Oct;17(10):732–4

VETERINARY

Urinary incontinence in the dog. Holt P. **In Pract** 1983 Sep; 5(5):162–4, 169–73

Lfficacy of emepronium bromide in the treatment of physiological incontinence in the bitch. Holt PE. **Vet Rec** 1984 Apr 7;114(14):355–6

Efficacy of emepronium bromide [letter] Prior JE. **Vet Rec** 1984 Apr 21;114(16):412

URINARY INCONTINENCE, STRESS

[Present views on urinary stress incontinence in women] Hanuš J. **Cesk Gynekol** 1984 Apr;49(3):205–12 **(Cze)**

CLASSIFICATION

[Ingelman-Sundberg classification of stress incontinence] Schüssler B, et al. **Gynakol Rundsch** 1983;23(3):166–74 **(Ger)**

DIAGNOSIS

Evaluation of history and simple supine cystometry as a preoperative test in stress urinary incontinence. Fall M, et al. **Acta Obstet Gynecol Scand** 1984;63(3):241–4

The fluid bridge test for urethral incompetence. A comparison of results in women with incontinence and women with normal urinary control. Sutherst J, et al. **Acta Obstet Gynecol Scand** 1983;62(3):271–3

Simplifying the management of stress incontinence. Langmade CF, et al. **Am J Obstet Gynecol** 1984 May 1; 149(1):24–8

Clinical evaluation of urinary incontinence and abnormal anatomy and pathophysiology. Marchant DJ. **Clin Obstet Gynecol** 1984 Jun;27(2):434–44 (19 ref.)

Pessary test: simple prognostic test in women with stress urinary incontinence. Bergman A, et al. **Urology** 1984 Jul; 24(1):109–10

[Can the diagnosis 'stress incontinence' be reliably made even without urodynamic clarification?] Faber P, et al. **Geburtshilfe Frauenheilkd** 1983 Jun;43 Suppl 1:70–3 (Eng. Abstr.) **(Ger)**

[Considerations on diagnosis and therapy of a urogynecologic disease. Notes on H. Huland's paper: Stress incontinence in women (letter)] Voigt R. **Urologe [Ausg A]** 1983 Nov; 22(6):453–4 **(Ger)**

DRUG THERAPY

The use of intravaginal oestrogen cream in genuine stress incontinence. Hilton P, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):940–4

Stress incontinence in females: treatment with phenylpropanolamine. A urodynamic and pharmacological evaluation. Fossberg E, et al. **Urol Int** 1983;38(5):293–9

[Endoscopic injection of teflon in the treatment of urinary stress incontinence in women] Schulman CC, et al. **Acta Urol Belg** 1984 Apr;52(2):269–73 (Eng. Abstr.) **(Fre)**

[Treatment of urinary stress incontinence in women using endo-urethral injections of teflon] Thiry AJ. **Acta Urol Belg** 1984 Apr;52(2):274–7 (Eng. Abstr.) **(Fre)**

[Conservative therapy of female stress incontinence. Double-blind study with the alpha-sympathomimetic midodrin] Gnad H, et al. **Fortschr Med** 1984 May 24; 102(20):578–80 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Urinary incontinence due to detrusor instability. Fantl JA. **Clin Obstet Gynecol** 1984 Jun;27(2):474–89 (28 ref.)

[Stress incontinence following fracture of the pelvis] Festge OA, et al. **Zentralbl Chir** 1984;109(4):254–7 **(Ger)**

OCCURRENCE

Prevalence of genito-urinary symptoms in the late menopause. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1984; 63(3):257–60

PHYSIOPATHOLOGY

Urodynamic effects of a vaginal pessary in women with stress urinary incontinence. Bhatia NN, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):876–84

A neurogenic element to urinary genuine stress incontinence. Anderson RS. **Br J Obstet Gynaecol** 1984 Jan;91(1):41–5

Urethral pressure measurement by microtransducer: the results in symptom-free women and in those with genuine stress incontinence. Hilton P, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):919–33

On the physiology of continence and pathophysiology of stress incontinence in the female. Asmussen M, et al. **Contrib Gynecol Obstet** 1983;10:32–50

Cortical evoked potentials obtained after stimulation of the lower urinary tract. Badr GG, et al. **J Urol** 1984 Feb; 131(2):306–9

Urodynamic appraisal of the Bonney test in women with stress urinary incontinence. Bhatia NN, et al. **Obstet Gynecol** 1983 Dec;62(6):696–9

Urodynamic assessment and chain cystogram in women with stress urinary incontinence. Clinical significance of detrusor instability. Kuzmarov IW. **Urology** 1984 Sep;24(3):236–8

[The importance of the pre- and postoperative urodynamic examination in urinary stress incontinence] Pigne A, et al. **Acta Urol Belg** 1984 Apr;52(2):187–92 (Eng. Abstr.) **(Fre)**

[Urinary stress incontinence. What should we expect from urethromanometry using electronic microtips? Definition of a continence index] Soret JY, et al. **Acta Urol Belg** 1984 Apr;52(2):193–9 (Eng. Abstr.) **(Fre)**

[Telemetric urodynamic examination of the bladder] Valcke AA, et al. **Acta Urol Belg** 1984 Apr;52(2):220–1 (Eng. Abstr.) **(Fre)**

REHABILITATION

The effect of physiotherapy on stress incontinence. Castleden CM, et al. **Age Ageing** 1984 Jul;13(4):235–7

[Treatment of women with urinary stress incontinence by physical methods] Epifanov VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):47–9 (Eng. Abstr.) **(Rus)**

SURGERY

Vesical-urethral sustaining for recurrent urinary stress incontinence using the Stamey-Pereyra technique. Dijkman GA, et al. **Acta Urol Belg** 1984 Apr;52(2):302–5

The Burch colposuspension procedure. Stanton SL. **Acta Urol Belg** 1984 Apr;52(2):280–2

Urodynamic changes after successful operation for stress urinary incontinence. Bergman A, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):325–7

Catheter drainage after gynecologic surgery: a comparison of methods. Broberg C. **Am J Obstet Gynecol** 1984 May 1;149(1):18–23

Urodynamic evaluation of urinary incontinence using a microtransducer. Käch O, et al. **Arch Gynecol** 1984; 234(4):269–78

A clinical and urodynamic assessment of the Burch colposuspension for genuine stress incontinence. Hilton P, et al. **Br J Obstet Gynaecol** 1983 Oct;90(10):934–9

Urethrocliesis—a simple cure for stress incontinence [letter] Kadar N. **Br J Obstet Gynaecol** 1984 Jan;91(1):91–2

The gauze hammock sling operation in the treatment of stress incontinence. Kersey J. **Br J Obstet Gynaecol** 1983 Oct; 90(10):945–9

Urethrocliesis—a simple cure for stress incontinence [letter] Toplis PJ, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):411

Modifications of the urethral rest and stress profiles after different types of surgery for urinary stress incontinence. Weil A, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):46–55

A trial comparing the Stamey bladder neck suspension procedure with colposuspension for the treatment of stress incontinence. Mundy AR. **Br J Urol** 1983 Dec;55(6):687–90

Appraisal of a new method for the suspension of the urethra on the abdominal wall. Marzetti L, et al. **Clin Exp Obstet Gynecol** 1984;11(1-2):31–6

Primary treatment of anatomic stress urinary incontinence. Mattingly RF, et al. **Clin Obstet Gynecol** 1984 Jun; 27(2):445–58 (41 ref.)

Treatment of recurrent urinary incontinence. Schaeffer AJ. **Clin Obstet Gynecol** 1984 Jun;27(2):459–73

Surgical treatment of female urinary stress incontinence. Ingelman-Sundberg A, et al. **Contrib Gynecol Obstet** 1983; 10:51–69

Urodynamic analysis of successful and failed incontinence surgery. Kujansuu E. **Int J Gynaecol Obstet** 1983 Oct; 21(5):353–60

Sling operation for recurrent stress incontinence using the tendon of the palmaris longus. Poliak A, et al. **Obstet Gynecol** 1984 Jun;63(6):850–4

Abdominoperineal urethral suspension in the management of recurrent stress incontinence of urine- a 15-year experience. Zacharin RF. **Obstet Gynecol** 1983 Nov; 62(5):644–54 (35 ref.)

Needle bladder neck suspension for female stress incontinence. Boyd SD, et al. **Urol Clin North Am** 1984 May;11(2):357–66

Clinical relevance of urethral stress profile using microtransducers after surgery for stress incontinence in females. Weil A, et al. **Urol Int** 1983;38(6):363–7

Modified Pereyra bladder neck suspension after previously failed anti-incontinence surgery. Surgical technique and results with long-term follow-up. Leach GE, et al. **Urology** 1984 Apr;23(4):359–62

A follow-up study of the Marshall-Marchetti-Krantz vesicourethral operation for female incontinence. Kjer JJ, et al. **Zentralbl Gynakol** 1983;105(22):1468–71

[Surgical treatment of urinary stress incontinence by using an Ampoxen sling under the urethra] Doganov N, et al. **Akush Ginekol (Sofiia)** 1983;22(4):311–6 (Eng. Abstr.) **(Bul)**

[Changes in the profilometric curve after surgery for stress incontinence in women] Sindelář M, et al. **Cesk Gynekol** 1983 Jun;48(5):361–2 **(Cze)**

[Pre- and postoperative urodynamic examination in urinary stress incontinence treated by the Marshall-Marchett-Krants or Bruch methods] Aerts A, et al. **Acta Urol Belg** 1984 Apr;52(2):216–9 (Eng. Abstr.) **(Fre)**

[Aponeurotic suspension of the bladder neck in the surgical treatment of urinary stress incontinence in women. Advantages and preliminary results] Ballanger P, et al. **Acta Urol Belg** 1984 Apr;52(2):316–21 (Eng. Abstr.) **(Fre)**

[Free aponeurotic sub-cervical flap in the surgical treatment of urinary stress incontinence in women] Cukier J. **Acta Urol Belg** 1984 Apr;52(2):322–5 (Eng. Abstr.) **(Fre)**

[Results of the surgical treatment of urinary stress incontinence using the Michon, Kelly and Marshall-Marchetti-Burch technics] Dargent D, et al. **Acta Urol Belg** 1984 Apr;52(2):297–301 (Eng. Abstr.) **(Fre)**

[Therapy of incontinence by fixation of the vagina to a pyramidal flap. 200 cases] de Leval J, et al. **Acta Urol Belg** 1984 Apr;52(2):286–90 (Eng. Abstr.) **(Fre)**

[Surgical treatment of urinary stress incontinence in women. 151 surgically treated cases] Ducassou J, et al. **Acta Urol Belg** 1984 Apr;52(2):306–10 (Eng. Abstr.) **(Fre)**

[Musculo-aponeurotic suspension of the bladder neck in the treatment of urinary stress incontinence] Mazeman E. **Acta Urol Belg** 1984 Apr;52(2):311–5 (Eng. Abstr.) **(Fre)**

[Recurrence of urinary stress incontinence and its therapeutic approach] Sarramon JP, et al. **Acta Urol Belg** 1984 Apr; 52(2):326–35 (Eng. Abstr.) **(Fre)**

[Dynamic urethral profile and flowmetry. Pre- and postcolposuspension study] Wese FX, et al. **Acta Urol Belg** 1983;51(3):319–24 (Eng. Abstr.) **(Fre)**

[Treatment of 282 cases of urinary stress incontinence by retropubic colpopexy to Cooper's ligaments] Lefranc JP, et al. **J Chir (Paris)** 1983 Dec;120(12):707–11 (Eng. Abstr.) **(Fre)**

[Results with the Marshall-Marchetti bladder neck suspensionplasty in female stress incontinence] Mayer HP, et al. **Fortschr Med** 1983 Aug 11;101(30):1363–5 (Eng. Abstr.) **(Ger)**

[Results of sling surgery using Tutoplast dura] Hägele D, et al. **Geburtshilfe Frauenheilkd** 1983 Dec;43(12):762–5 (Eng. Abstr.) **(Ger)**

[Urethrovesical suspension with autologous fascia tissue by the purely vaginal approach—the short-arm sling operation] Lahodny J. **Geburtshilfe Frauenheilkd** 1984 Feb; 44(2):104–13 (Eng. Abstr.) **(Ger)**

[Urethral pressure profile in sling operations for stress incontinence] Steyer M, et al. **Geburtshilfe Frauenheilkd** 1984 Feb;44(2):100–3 (Eng. Abstr.) **(Ger)**

[Surgical treatment of urinary stress incontinence] Beck L, et al. **Gynakologe** 1983 Dec;16(4):200–5 (26 ref.) **(Ger)**

[Bioplast implantation for urinary stress incontinence] Mitrani A, et al. **Harefuah** 1983 Apr 15;104(8):328–9 **(Heb)**

[Further considerations on colpo-suspension by Burch's method in the correction of stress urinary incontinence] Stoppelli I, et al. **Minerva Ginecol** 1983 Jun;35(6):417–21 (Eng. Abstr.) **(Ita)**

[Treatment of urinary incontinence in women] Stanek J. **Ginekol Pol** 1983 May;54(5):345–50 (Eng. Abstr.) **(Pol)**

[Treatment of stress incontinence in women by the Goebell-Stoeckel method] Minkov N, et al. **Khirurgiia (Sofiia)** 1983;36(6):529–32 **(Rus)**

[Urinary incontinence in the woman: treatment by the Marshall-Marchetti-Krantz technic] Robles García JE, et al. **Actas Urol Esp** 1983 Jul-Aug;7(4):275–80 (Eng. Abstr.) **(Spa)**

[Stamey technic in the treatment of stress incontinence in women. Evaluation of 40 cases] López López JA, et al. **Arch Esp Urol** 1983 Sep-Oct;36(5):313–6 (Eng. Abstr.) **(Spa)**

THERAPY

Physiotherapeutic aspects of urine incontinence. Fischer W. **Acta Obstet Gynecol Scand** 1983;62(6):579–83

Endoscopic injections of Teflon to treat urinary incontinence in women. Schulman CC, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):192

Clinical application of Pavlov conditioning reflexes in treatment of urinary incontinence. Godec CJ. **Urology** 1983 Oct;22(4):397–400

[Therapeutic physical exercise in static anomalies of the female genitalia and stress urinary incontinence] Panteleeva D, et al. **Akush Ginekol (Sofiia)** 1984;23(2):137–40 (Eng. Abstr.) **(Bul)**

[Urinary incontinence treated with colposuspension by the Burch method. A study with special reference to the effect on mixed stress and urge incontinence] Lose G, et al. **Ugeskr Laeger** 1983 Oct 31;145(44):3395–8 (Eng. Abstr.) **(Dan)**

[The use of tissue adhesives in the treatment of urinary stress incontinence in women] Oosterlinck W, et al. **Acta Urol Belg** 1984 Apr;52(2):338–9 (Eng. Abstr.) **(Fre)**

[Nonsurgical treatment methods in urinary stress incontinence in women] Kan DV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):62–4 (Eng. Abstr.) **(Rus)**

[Effect of therapeutic physical exercise on the overall physical status of women with stress urinary incontinence] Iunusov FA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan-Feb;(1):50 **(Rus)**

URINARY TRACT

American Urological Association, Inc. Seventy-ninth annual meeting, May 6-10, 1984. New Orleans, Louisiana. Abstracts. **J Urol** 1984 Apr;131(4 Pt 2):104A-402A

ABNORMALITIES

Antenatal diagnosis of urinary tract abnormalities: correlation of ultrasound appearance with postnatal diagnosis. Gruenewald SM, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):278–83

Fetal urinary tract abnormalities detected on maternal ultrasound. Ford WD, et al. **Aust Paediatr J** 1984 Mar; 20(1):67–72

The advantage of antenatal diagnosis of intestinal and urinary tract malformations. Kullendorff CM, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):144–7

Perinatal ultrasound monitoring: early detection and treatment of congenital uropathy. dell'Agnola CA, et al. **Br J Urol** 1983 Oct;55(5):469–72

Obstruction of the fetal urinary tract: a role for surgical intervention in utero? [letter] Thomas DF. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):858–9

Obstruction of the fetal urinary tract: role for surgical intervention in utero? [letter] Turnock RR, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1234–5

Serum autoantibodies to Tamm–Horsfall protein and their relation to renal damage and glomerular filtration rate in children with urinary tract malformations. Fasth A, et al. **Contrib Nephrol** 1984;39:285–95

Incidence of malformations of the urinary tract in association with clefts of lip, alveolus, and palate. Strunz V, et al. **J Maxillofac Surg** 1984 Feb;12(1):14–6

Prenatal diagnosis improves the prognosis of children with obstructive uropathies. Schwoebel MG, et al. **J Pediatr Surg** 1984 Apr;19(2):187–90

Genitourinary problems in adolescence. Bauer SB. **J Reprod Med** 1984 Jun;29(6):385–90

Urinary tract infection in boys. Burbige KA, et al. **J Urol** 1984 Sep;132(3):541–2

Hydrometrocolpos: current views on pathogenesis and management. Hahn–Pedersen J, et al. **J Urol** 1984 Sep; 132(3):537–40

Urinary tract abnormalities in children with supernumerary nipples. Varsano IB, et al. **Pediatrics** 1984 Jan;73(1):103–5

The incidence of urinary tract malformations in congenital heart disease. Derchi L, et al. **Thorac Cardiovasc Surg** 1984 Apr;32(2):78–80

Ultrasound of the neonatal urinary tract. Avni EF, et al. **Urol Radiol** 1983;5(3):177–83

[Anatomo–pathological diagnosis of neonatal malformations of the urinary tract. II. Excreto–urinary tract malformations] Carles D, et al. **Ann Pathol** 1984 Apr–May; 4(2):157–61 (Eng. Abstr.) **(Fre)**

[Limits of ultrasonics in the study of urinary tract malformations] Anderegg A. **J Genet Hum** 1984 Mar; 32(1):49–51 (Eng. Abstr.) **(Fre)**

[Malformation uropathies and multiple malformation syndromes] Briard ML, et al. **J Genet Hum** 1984 Jun; 32(2):83–90 (Eng. Abstr.) **(Fre)**

[Fatal urinary tract malformations: their place and incidence in a series of 450 neonatal autopsies] Gillerot Y, et al. **J Genet Hum** 1984 Jun;32(2):101–6 (Eng. Abstr.) **(Fre)**

[Severe urinary tract malformation in the course of a twin pregnancy. Apropos of its management] Le Marec B, et al. **J Genet Hum** 1984 Jun;32(2):121–6 (Eng. Abstr.) **(Fre)**

[Prenatal ultrasonic diagnosis of malformation uropathies: 13 cases] Piussan C, et al. **J Genet Hum** 1984 Jun;32(2):113–20 (Eng. Abstr.) **(Fre)**

[Incidence of malformations of the urinary tract in the Rhône–Alps area. Apropos 1357 cases of affected infants identified over a 7-year period (1976–1982)] Robert E, et al. **J Genet Hum** 1984 Jun;32(2):107–11 (Eng. Abstr.) **(Fre)**

[Antenatal treatment of fetal urinary tract malformations. Apropos of the treatment of a case of posterior urethral valves] Fournié A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(6):649–56 (Eng. Abstr.) **(Fre)**

[Echographic detection and treatment of fetal urinary tract malformations] Legraverend JM, et al. **LARC Med** 1984 Apr;4(4):215–8 (Eng. Abstr.) **(Fre)**

[Syndrome of supravalvular aortic stenosis (Williams–Beuren syndrome) in association with changes in the kidney and efferent urinary tract] Stoermer J, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):110–2 (Eng. Abstr.) **(Ger)**

[Seminal vesicle cyst and ipsilateral renal dysplasia – a form of combined abnormality of the urinary and genital tracts] Röhrborn C, et al. **Urologe [Ausg A]** 1983 Sep;22(5):262–6 (Eng. Abstr.) **(Ger)**

[Duplications of the renal excretory tract. Considerations on an asymptomatic case] Tramontano R, et al. **Minerva Urol** 1983 Apr–Jun;35(2):165–74 (Eng. Abstr.) **(Ita)**

[Clinico–statistical study of 104 cases of deforming uropathies. Criteria for an early diagnosis] Astulfoni A, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):195–200 (Eng. Abstr.) **(Ita)**

[Radioisotope study of urinary deformity pathology in childhood] D'Errico G, et al. **Pediatr Med Chir** 1983 Mar–Apr;5(1–2):95–8 (Eng. Abstr.) **(Ita)**

ANALYSIS

Autoradiographic demonstration of binding sites for oestradiol and dihydrotestosterone in the urinary tract of male and female baboons. Weaker FJ, et al. **Urol Res** 1983; 11(3):127–30

Characterization of the brown pigment of the mucosa of the urinary tract. Berneis K, et al. **Virchows Arch [A]** 1983; 402(2):203–7

ANATOMY & HISTOLOGY

[Urinary tract of the Gallus gallus—Indian River: II. Trajectory and relations of the ureter with blood vessels] Dias SM, et al. **Anat Histol Embryol** 1984 Mar;13(1):64–7 (Eng. Abstr.) **(Spa)**

[The urinary tract of Gallus gallus Indian River species. I. Ureter formation and branches] Mello Dias S, et al. **Anat Histol Embryol** 1983 Dec;12(4):347–52 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Efficacy of ifosfamide in refractory malignant diseases and uroprotection by mesna: results of a clinical phase II-study with 151 patients. Scheulen ME, et al. **Cancer Treat Rev** 1983 Sep;10 Suppl A:93–101

Pharmacologic receptors in the urinary tract. Caine M. **Compr Ther** 1983 Aug;9(8):9–14 (14 ref.)

Lesions of the urinary tract produced in Fischer 344 rats and B6C3F1 mice after chronic administration of 11-aminoundecanoic acid. Dunnick JK, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):614–8

[Effect of spinal anesthesia on the function of the lower urinary tract] Rupieper N, et al. **Intensivmed Prax** 1983 Oct;6:73–7 **(Ger)**

[Effect of Baralgin on isolated preparations of the upper urinary tract in man] Hertle L, et al. **Urol Int** 1984; 39(2):84–90 (Eng. Abstr.) **(Ger)**

[The effect of estrogens on the lower female urinary tract (editorial)] Jaffe R, et al. **Harefuah** 1983 Dec 1;105(11):386 **(Heb)**

EMBRYOLOGY

Muscular development in the urinary tract. Matsuno T, et al. **J Urol** 1984 Jul;132(1):148–52

IMMUNOLOGY

[Immune response of the lower urinary tract in rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):260–6 (Eng. Abstr.) **(Ita)**

INJURIES

Urological complications following abdominoperineal excision of the rectum for carcinoma. Watters GR, et al. **Aust NZ J Surg** 1983 Oct;53(5):445–7

Blunt abdominal trauma with unrecognized urinary tract injury. Starinsky R, et al. **Isr J Med Sci** 1984 May; 20(5):401–4

Urinary tract trauma. Campbell JE. **J Can Assoc Radiol** 1983 Sep;34(3):237–48

Urological trauma in the Pacific Northwest: etiology, distribution, management and outcome. Krieger JN, et al. **J Urol** 1984 Jul;132(1):70–3

[Concept of interdisciplinary procedures within the scope of traumatology—the status of urology] Zwergel T, et al. **Unfallchirurgie** 1983 Oct;9(5):244–8 (Eng. Abstr.) **(Ger)**

INNERVATION

An analysis of the sensory innervation of the urinary system in the rat. Donovan MK, et al. **Brain Res Bull** 1983 Sep; 11(3):321–4

Cortical evoked potentials obtained after stimulation of the lower urinary tract. Badr GG, et al. **J Urol** 1984 Feb; 131(2):306–9

METABOLISM

Biochemical factors involved in the effects of orthophenylphenol (OPP) and sodium orthophenylphenate (SOPP) on the urinary tract of male F344 rats. Reitz RH, et al. **Toxicol Appl Pharmacol** 1984 Apr;73(2):345–9

MICROBIOLOGY

Norfloxacin: in vitro activity compared with that of seven other antibacterial agents against urinary tract pathogens. Digranes A, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):101–6

Coagulase negative staphylococci in the urinary tract. Saini S, et al. **Indian J Med Res** 1983 Jul;78:26–8

Role of fimbriated Escherichia coli in urinary tract infections in adult women: correlation with localization studies. Latham RH, et al. **J Infect Dis** 1984 Jun;149(6):835–40

Adherence of cervical, vaginal and distal urethral normal microbial flora to human uroepithelial cells and the inhibition of adherence of gram-negative uropathogens by competitive exclusion. Chan RC, et al. **J Urol** 1984 Mar; 131(3):596–601

Inhibition of bacterial adherence by cranberry juice: potential use for the treatment of urinary tract infections. Sobota AE. **J Urol** 1984 May;131(5):1013–6

[Pyocin typing of Pseudomonas aeruginosa from the urinary tract] Yumul C. **Mikrobiyol Bul** 1983 Jul;17(3):198–203 **(Tur)**

PATHOLOGY

[Nephrogenic metaplasia of the urothelial mucosa. Apropos of 11 cases] Billerey C, et al. **Sem Hop Paris** 1984 Mar 1;60(10):682–8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Extensive spinal dysrhaphism and sacral agenesis without urologic disturbances. Helin I, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(3):209–12

[Cholesterol elimination in the urinary tract] Romics I, et al. **Urologe [Ausg A]** 1983 Sep;22(5):260–1 (Eng. Abstr.) **(Ger)**

[Urodynamic measurements of the lower urinary tract—technical realization and implications for the interpretation of findings] Höfner K, et al. **Z Urol Nephrol** 1984 Mar;77(3):161–72 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Simultaneous urethrocystometry in gynaecological patients with lower urinary tract dysfunction. Reiertsen O, et al. **Ann Chir Gynaecol** 1983;72(5):278–81

Evaluation of the urological assessment in impotence: findings with a new diagnostic rating scale. Condra M, et al. **J Urol** 1984 Mar;131(3):486–90

Application of ultrasonic M-mode scanning and computer evaluation on urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1983 Nov;141(3):369–70

[Urological management and its results in patients with congenital neurogenic bladder due to spina bifida—with special reference to the urodynamic evaluation of the lower urinary tract function] Noto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):994–1002 (Eng. Abstr.) **(Jpn)**

[Urinary and endocrine system functions in patients with benign tumors of the uterus and adnexa] Adamian LV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):19–22 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Experimental use of iohexol in visualization of the canine urinary tract. Punto L, et al. **Nord Vet Med** 1983 Oct; 35(10):353–6

[Intervention radiology in gynecology] Günther R. **Gynakologe** 1983 Dec;16(4):214–21 (22 ref.) **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphic evaluation of the urinary system in a case of severe renal trauma [letter] Bushnell DL, et al. **J Nucl Med** 1984 Sep;25(9):1053–5

SURGERY

Infusion of atracurium for long surgical procedures. Eagar BM, et al. **Br J Anaesth** 1984 May;56(5):447–52

Unusual technical procedures in reconstructive urological surgery. Trabucchi E, et al. **Int Surg** 1983 Jul–Sep; 68(3):245–7

Neuroanatomy of penile erection: its relevance to iatrogenic impotence. Lue TF, et al. **J Urol** 1984 Feb;131(2):273–80

Second opinion for urologic surgery. Schlossberg SM, et al. **J Urol** 1984 Feb;131(2):209–12

The treatment of urinary tuberculosis. Wong SH, et al. **J Urol** 1984 Feb;131(2):297–301

Symposium on complications of pediatric urologic surgery. **Urol Clin North Am** 1983 Aug;10(3):382–582

[Advances in surgery of the urinary tract] Verduyn H. **Acta Chir Belg** 1983 Nov–Dec;83(6):CXXXVII–CXL contd **(Dut)**

[Prevention of post-operative infections in urologic surgery. Comparative study of cotrimoxazole and cefazolin] Ragnaud JM, et al. **Pathol Biol (Paris)** 1983 May; 31(5):434–7 (Eng. Abstr.) **(Fre)**

[Surgical position in ventral decubitus in the surgery of the female lower urinary tract] Gattegno B, et al. **Presse Med** 1983 Sep 10;12(31):1933–4 (Eng. Abstr.) **(Fre)**

[Extraperitoneal surgical approaches to the upper urinary tract in the newborn and nursing infants] Doletskiĭ SIa, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):10–3 (Eng. Abstr.) **(Rus)**

[Experimental surgery and urology (editorial)] Valdivia Uría JG, et al. **Actas Urol Esp** 1983 Jul–Aug;7(4):245–6 **(Spa)**

URINARY TRACT INFECTIONS

Urinary tract infections. Roberts JA. **Am J Kidney Dis** 1984 Sep;4(2):103–17 (126 ref.)

Bacterial and fungal growth in urinary trichomoniasis. El-Rifaie SA, et al. **J Egypt Soc Parasitol** 1983 Dec; 13(2):397–402

Tubular proteinuria markers for detecting the site of a urinary tract infection [letter] Bailey RR. **Nephron** 1983;35(3):208

[Low urinary infections. Introduction] Petit R. **Rev Med Liege** 1984 Jan 15;39(2):45–7 **(Fre)**

[Important points of uncomplicated urinary infections in women] Dubi J, et al. **Rev Med Suisse Romande** 1983 Aug; 103(8):667–70 **(Fre)**

[Urinary tract infection. Rules of the Nephrology Branch of the Chilean Society of Pediatrics] **Rev Chil Pediatr** 1983 Mar–Apr;54(2):139–41 **(Spa)**

BLOOD

Effect of oral contraception on serum bile acid. Shaaban MM, et al. **Int J Gynaecol Obstet** 1984 Apr;22(2):111–5

COMPLICATIONS

Urinary tract infection and risk of bladder cancer. Kantor AF, et al. **Am J Epidemiol** 1984 Apr;119(4):510–5

Effect of urinary bilharzial infection on male pubertal development and endocrine functions. Ibrahim II, et al. **Arch Androl** 1983 Aug;11(1):59–64

Age as a main determinant of renal functional damage in urinary tract infection. Berg UB, et al. **Arch Dis Child** 1983 Dec;58(12):963–9

Age as a main determinant of renal functional damage in urinary tract infection [letter] Poulton J. **Arch Dis Child** 1984 May;59(5):490–1

Superadded bacterial infection in urinary bilharziasis [editorial] **Cent Afr J Med** 1983 May;29(5):109

Control studies of women with preeclampsia and urinary tract infection in pregnancy. Schmicker R, et al. **Contrib Nephrol** 1984;37:190–3

Ultrasonographic determination of residual urine in diabetic subjects: relationship to neuropathy and urinary tract infection. Beylot M, et al. **Diabetes Care** 1982 Sep–Oct; 5(5):501–5

Relationship between genital tract infections, sperm antibodies in seminal fluid, and infertility. Witkin SS, et al. **Fertil Steril** 1983 Dec;40(6):805–8

Urinary tract infection with sepsis. Burton OM, et al. **J Fam Pract** 1984 Jul;19(1):125, 128

Progress in the treatment of chronic urinary tract infection—malacoplakia: current concepts. Scardino PL, et al. **J Med Assoc Ga** 1983 Aug;72(8):557–60

Hyperammonemia in a boy with obstructive ureterocele and proteus infection. Sinha B, et al. **J Urol** 1984 Feb; 131(2):330–1

Scanning electron microscopy detects bacteria within infection stones. Takeuchi H, et al. **J Urol** 1984 Jul; 132(1):67–9

Role of infection in bladder stone disease in children. Anwar Naqvi SA, et al. **JPMA** 1984 May;34(5):132–7

New treatment for struvite urinary stones [editorial] Smith LH. **N Engl J Med** 1984 Sep 20;311(12):792–4

Spontaneous resolution of vesicoureteral reflux in a renal transplant recipient. Bradsher RW, et al. **Nephron** 1984; 36(2):128–30

Euthyroid sick syndrome. Association with urosepsis in an elderly man. Fallon JJ Jr, et al. **Postgrad Med** 1984 May 15;75(7):117–21

Cefotaxime for prevention of infectious complications in bacteriuric men undergoing transurethral prostatic resection. A controlled comparison with methenamine. Olsen JH, et al. **Scand J Urol Nephrol** 1983;17(3):299–301

Rheumatoid factor–negative arthritis, especially ankylosing spondylitis, and infections of the male urogenital tract. Schiefer HG, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov; 255(4):511–7

[Kidney lesions, calculi and urinary infections] Reverdin N. **Helv Chir Acta** 1983 Jun;50(3):289–92 (Eng. Abstr.) **(Fre)**

[A bacteriological study on urinary calculi associated with infections] Yoshida O, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):191–8 (Eng. Abstr.) **(Jpn)**

[Urinary tract infections and urolithiasis] Nowakowska K, et al. **Probl Med Wieku Rozwoj** 1983;12:144–52 (Eng. Abstr.) **(Pol)**

[Neonatal hepatitis associated with urinary infections with the gram negative bacteria E. coli and Proteus bacillus] Tirnoveanu G, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Apr–Jun; 32(2):161–6 (Eng. Abstr.) **(Rum)**

[Pathogenesis of nephrolithiasis in women] Shabad AL, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**

[Reactive arthritis] Vukotić D. **Reumatizam** 1983; 30(5–6):117–22 (Eng. Abstr.) **(Ser)**

[Association between urinary salmonellosis and reno–ureteral lithiasis] Avila Padilla J, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):135–6 (Eng. Abstr.) **(Spa)**

[Treatment of infectious renal lithiasis with acetohydroxamic acid] Ruiz Marcellán FJ, et al. **Arch Esp Urol** 1983 Sep–Oct;36(5):354–62 (Eng. Abstr.) **(Spa)**

[Vesico–ureteral reflux and reflux nephropathy] Solar E, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):435–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Site of urinary tract infection in elderly women admitted to an acute geriatric assessment unit. Suntharalingam M, et al. **Age Ageing** 1983 Nov;12(4):317–22

Imaging techniques and renal infections. Stein K, et al. **Am Fam Physician** 1984 Jun;29(6):135–45

Urinary tract infections in children. Weir MR, et al. **Am Fam Physician** 1984 Jan;29(1):147–53

Diagnosing urinary tract infections [letter] **Ann Emerg Med** 1984 Jan;13(1):63–5

Measurement of urinary leukocyte esterase activity: a screening test for urinary tract infections. Chernow B, et al. **Ann Emerg Med** 1984 Mar;13(3):150–4

Urinary tract infection in children [letter] **Br Med J [Clin Res]** 1984 Apr 14;288(6424):1159

Prediction of postoperative urinary tract infection in men undergoing cardiac surgery by preoperative measurement of urine flow. Gould FK, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):286

Urinary tract infection in children. McKerrow W, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):299–303

Comparison of reliability of tests to distinguish upper from lower urinary tract infection. Schardijn GH, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):284–7

Initial screening of children with urinary tract infections: is plain film radiography and ultrasonography enough? Sherwood T, et al. **Br Med J [Clin Res]** 1984 Mar 17; 288(6420):827

Another look at diagnostic pathways in children with urinary tract infection. Whitaker RH, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):839–41

Urinary tract infection and anemia in pregnancy. Fede T. **Clin Exp Obstet Gynecol** 1983;10(2–3):140–1

A urine collector for separating the initial, midstream and final portions of voided urine in infancy and early childhood. Kenda RB, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):201–4

A review of the problem of urinary infection management and the evaluation of a potential new antibiotic. Brumfitt W, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:121–33 (32 ref.)

Antibody–coated bacteria in urine: when, where and why? Giamarellou H. **J Antimicrob Chemother** 1984 Feb; 13(2):95–9 (44 ref.)

Urinary adenylate kinase and urinary tract infections. Bernstein LH, et al. **J Clin Microbiol** 1983 Sep;18(3):578–84

Localization of urinary tract infection in patients with spinal cord injury. Hooton TM, et al. **J Infect Dis** 1984 Jul; 150(1):85–91

General practice management of childhood urinary tract infection. Dighe AM, et al. **J R Coll Gen Pract** 1984 Jun; 34(263):324–7

Establishing the cause of genitourinary symptoms in women in a family practice. Comparison of clinical examination and comprehensive microbiology. Berg AO, et al. **JAMA** 1984 Feb 3;251(5):620–5

Diagnostic criteria and natural history of catheter–associated urinary tract infections after prostatectomy. Gordon DL, et al. **Lancet** 1983 Dec 3;2(8362):1269–71

Differentiation of upper and lower urinary tract infections: how and when? Sheldon CA, et al. **Med Clin North Am** 1984 Mar;68(2):321–33 (60 ref.)

Diagnosis of coliform infection in acutely dysuric women [letter] Smith GW, et al. **N Engl J Med** 1983 Dec 1; 309(22):1393–4

Localization of catheter–induced urinary tract infections: interpretation of bladder washout and antibody–coated bacteria tests. Hulter HN, et al. **Nephron** 1984;38(1):48–53

Correlation of maternal serum C–reactive protein with outcome of tocolysis. Handwerker SM, et al. **Obstet Gynecol** 1984 Feb;63(2):220–4

The use of the bladder wash–out test in patients with spinal cord lesions who have urinary tract infection. Wyndaele JJ, et al. **Paraplegia** 1983 Oct;21(5):294–300

Urinary tract infection in infants and children. Preventing recurrence and renal damage. Cunningham RJ 3d. **Postgrad Med** 1984 May;75(6):59–64

Urinary tract infection during pregnancy. Asymptomatic bacteriuria, acute cystitis, and acute pyelonephritis. Wait RB. **Postgrad Med** 1984 Jun;75(8):153–7, 161

Urology and the family doctor. Brumfitt W. **Practitioner** 1984 Jan;228(1387):97

Urinary tract infections in children: renal ultrasound evaluation. Mason WG Jr. **Radiology** 1984 Oct; 153(1):109–11

[Localization of infections in the urinary tract and kidneys in pregnant women by the detection of antibody–coated bacteria in urinary sediment] Pavlík V, et al. **Cesk Gynekol** 1983 Jul;48(6):421–4 (Eng. Abstr.) **(Cze)**

[Determination of the site of infection in inflammations of the urinary tract and kidneys during pregnancy by the detection of increased levels of C–reactive protein] Pavlík V. **Cesk Gynekol** 1983 Jul;48(6):417–20 (Eng. Abstr.) **(Cze)**

[Infection of the urinary tract—examination and treatment in pediatric practice] Hradcová L, et al. **Cesk Pediatr** 1984 Mar;39(3):156–7 (Eng. Abstr.) **(Cze)**

[The most frequent mistakes and errors in the diagnosis and therapy of nonspecific inflammatory diseases of the kidneys and upper urinary tract] Kučera J, et al. **Rozhl Chir** 1983 Oct;62(10):669–73 (Eng. Abstr.) **(Cze)**

[Strategy of the use of immunological tests in the topographical diagnosis of urinary infections] Aubert G, et al. **Presse Med** 1983 Nov 26;12(43):2741–5 (Eng. Abstr.) **(Fre)**

[Urinary infections in children] Bensman A, et al. **Presse Med** 1983 Nov 5;12(39):2429–30 **(Fre)**

[Urinary infection: clinical and paraclinical studies] Wauters JP. **Rev Med Suisse Romande** 1983 Aug;103(8):649–51 **(Fre)**

[Diagnosis and antibiotic treatment of infectious diseases in general practice. Results of an inquiry] Kemmerich B, et al. **Dtsch Med Wochenschr** 1983 Dec 23;108(51–52):1943–7 (Eng. Abstr.) **(Ger)**

[Current status of diagnosis and therapy of urinary tract infections] Precht K. **Z Urol Nephrol** 1983 Jun;76(6):421–5 **(Ger)**

[Value of early diagnosis of urinary tract infections in pregnancy] Schulze G, et al. **Zentralbl Gynakol** 1984; 106(1):26–32 (Eng. Abstr.) **(Ger)**

[Diagnosis of the level of involvement in lower urinary tract infections] Dominici C, et al. **Minerva Urol** 1983 Apr–Jun; 35(2):123–6 (Eng. Abstr.) **(Ita)**

[Comparison of the Sensititre diagnostic system and the Bauer–Kirby test of sensitivity to chemotherapeutic agents in agar, on bacterial strains isolated from urinary infections] Zitelli A, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):463–71 (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies on the detection of antibody–coated bacteria from urine] Kanimoto Y. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):529–46 (Eng. Abstr.) **(Jpn)**

[Clinical significance of determining antibody–coated bacteria in the urine in urinary organ infections in children] Bachiulis VP, et al. **Pediatriia** 1984 Jun;(6):13–6 (Eng. Abstr.) **(Rus)**

[Clinical importance of the localization of urinary infections in childhood] Málaga S, et al. **An Esp Pediatr** 1983 Sep; 19 Suppl 19:34–40 **(Spa)**

DRUG THERAPY

Treatment of urinary tract infections in gynecological patients. A randomized study comparing pivampicillin–pivmecillinam with trimethoprim–sulphamethoxazole. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1983;62(5):515–8

Intracellular Escherichia coli in urinary malakoplakia: a reservoir of infection and its therapeutic implications. Qualman SJ, et al. **Am J Clin Pathol** 1984 Jan;81(1):35–42

Single–dose amoxicillin therapy with follow–up urine culture [letter] Ben Redjeb S, et al. **Am J Med** 1984 Mar;76(3):A79, A87

Advances in the treatment of urinary tract infection. Sheehan G, et al. **Am J Med** 1984 May 15;76(5A):141–7 (43 ref.)

Disulfiram–like reactions with newer cephalosporins: cefmenoxime. Kannangara DW, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):45–7

Single–dose antibiotic therapy of urinary tract infection: is it appropriate in the emergency department? McCabe JB, et al. **Ann Emerg Med** 1984 Jun;13(6):432–9 (60 ref.)

Single–dose treatment of uncomplicated urinary tract infections in children. Stahl GE, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):705–8

Amoxicillin plus clavulanic acid in the treatment of recurrent urinary tract infections. Brumfitt W, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):276–8

Prospective comparison of amoxicillin–clavulanic acid and cefaclor in treatment of uncomplicated urinary tract infections. Gurwith MJ, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):716–9

Efficacy of BRL 25000 against Serratia marcescens, Enterobacter cloacae, and Citrobacter freundii in urinary tract infections. Nakazawa H, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):437–9

Comparison of moxalactam and gentamicin in the treatment of complicated urinary tract infections. Penn RG, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):494–9

Ceftazidime in the treatment of pediatric patients with severe urinary tract infections due to Pseudomonas spp. Rusconi F, et al. **Antimicrob Agents Chemother** 1984 Mar; 25(3):395–7

Single–dose amoxicillin therapy of acute uncomplicated urinary tract infections in women. Tolkoff–Rubin NE, et al. **Antimicrob Agents Chemother** 1984 May;25(5):626–9

Amoxycillin and clavulanic acid in the treatment of urinary infection. Al Roomi LG, et al. **Arch Dis Child** 1984 Mar; 59(3):256–9

Nimesulide and antibiotics in the treatment of acute urinary tract infections. Pfändner K. **Arzneimittelforsch** 1984; 34(1):77–9

Comparison of single dose with a 5–day course of co–trimoxazole for asymptomatic (covert) bacteriuria of pregnancy. Bailey RR, et al. **Aust NZ J Obstet Gynaecol** 1983 Aug;23(3):139–41

Augmentin therapy in the treatment of urinary tract infections in general practice. Abbas AM, et al. **Br J Clin Pract** 1984 Feb;38(2):49–51

Augmentin (amoxycillin–clavulanic acid) compared with co–trimoxazole in urinary tract infections. Fancourt GJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):82–3

Is it reasonable to use cephalosporins in respiratory and upper tract renal infections in hospitalized patients? Perkins RL. **Bull NY Acad Med** 1984 May;60(4):403–15 (33 ref.)

Evaluation of lamoxactam in the treatment of severe bacterial infections. Bouza E, et al. **Chemotherapy** 1983;29(5):373–83

Treatment of recurrent urinary infections with a combination of nitrofurantoin and sulphadiazine. Brumfitt W, et al. **Chemotherapy** 1984;30(4):270–5

Comparison of cefadroxil and ampicillin in the treatment of urinary tract infections in children. Malaka–Zafiriu K, et al. **Clin Ther** 1984;6(2):178–84

Inhibitors of urease as chemotherapeutic agents. Rosenstein IJ, et al. **CRC Crit Rev Microbiol** 1984;11(1):1–12 (97 ref.)

Comparative in vitro activities of norfloxacin (MK–0366) and six commonly used antimicrobial agents against 199 urinary isolates showing various degrees of antibiotic resistance. Corigliano BE, et al. **Diagn Microbiol Infect Dis** 1984 Apr; 2(2):101–6

Urinary tract infections in the elderly. Bell DP, et al. **Geriatrics** 1983 Nov;38(11):42–8

Single-dose treatment with netilmicin for different clinical forms of urinary tract infections. Prát V, et al. **Infection** 1984 Mar–Apr;12(2):99–101

Single-dose treatment of urinary tract infection in young women: data indicating a high rate of recurrent infection during a short follow-up. Leibovici L, et al. **Isr J Med Sci** 1984 Mar;20(3):257–9

Relevance of in vitro antibacterial activities and pharmacokinetic properties of antipseudomonal beta-lactam antibiotics to their therapeutic effects on urinary tract infection caused by Pseudomonas aeruginosa P 9 in mice. Nakao M, et al. **J Antibiot (Tokyo)** 1984 Mar; 37(3):275–84

Norfloxacin—a new quinolone for urinary infection. **J Antimicrob Chemother** 1984 May;13 Suppl B:1–142

Application of non-animal models to studies of the chemotherapy of bacterial urinary tract infections. Anderson JD. **J Antimicrob Chemother** 1983 Oct; 12(4):297–300

Clinical pharmacology of ceftazidime in paediatrics. Assael BM, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:341–6

A review of urinary tract infection in the elderly. Bendall MJ. **J Antimicrob Chemother** 1984 May;13 Suppl B:69–78 (23 ref.)

A comparison of azlocillin and ticarcillin in the treatment of complicated urinary tract infections. Cox CE. **J Antimicrob Chemother** 1983 May;11 Suppl B:183–8

A comparison of ceftazidime and tobramycin in the treatment of complicated urinary tract infections. Cox CE. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:47–52

A random comparative trial of 0.25, 0.5 and 1.0 g ceftazidime twice daily in urinary tract infection. Gentry LO, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:53–7

Clinical experience with ceftazidime in urology in Japan. Kawamura N. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:65–70

Treatment of simple urinary tract infections in general practice with a 3-day course of norfloxacin. Kirby CP. **J Antimicrob Chemother** 1984 May;13 Suppl B:107–12

The treatment of Pseudomonas aeruginosa urinary tract infections with norfloxacin. Leigh DA, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:85–8

Comparative study using norfloxacin and amoxycillin in the treatment of complicated urinary tract infections in geriatric patients. Leigh DA, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:79–83

Ceftazidime in the treatment of complicated respiratory and urinary tract infections. Loebis LH, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:59–64

Complicated urinary tract infections treated with ceftazidime and tobramycin: a comparative study. Madsen PO, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:77–9

Ceftazidime: pharmacokinetics in young volunteers versus elderly patients and therapeutic efficacy with complicated urinary tract infections. Naber KG, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:41–5

Comparison of azlocillin and ticarcillin in the treatment of urinary tract infection. Reed WP, et al. **J Antimicrob Chemother** 1983 May;11 Suppl B:189–93

Treatment of acute urinary infection by norfloxacin or nalidixic acid/citrate: a multi-centre comparative study. Reeves DS, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:99–105

Clinical evaluation of ceftazidime in internal medicine in Japan. Shimada K. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:395–7

Norfloxacin, amoxycillin, cotrimoxazole and nalidixic acid. A summary of 3-day and 7-day therapy studies in the treatment of urinary tract infections. Vogel R, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:113–20

Norfloxacin versus cotrimoxazole in the treatment of uncomplicated urinary tract infections—a multi-centre trial. Watt B, et al. **J Antimicrob Chemother** 1984 May;13 Suppl B:89–94

Intermittent chemotherapy with trichlorfon (metrifonate) reverses proteinuria, hematuria, and leukocyturia in urinary schistosomiasis: results of a three-year field study. Doehring E, et al. **J Infect Dis** 1984 Apr;149(4):615–20

Foetal safety of nitrofurantoin macrocrystals therapy during pregnancy: a retrospective analysis. Hailey FJ, et al. **J Int Med Res** 1983;11(6):364–9

An open study of pivampicillin (Pondocillin) as a treatment for acute lower urinary tract infection. Sutton JB. **J Int Med Res** 1983;11(6):375–9

Effect of 3- vs 10-day treatment of urinary tract infections [letter] Ruberto U, et al. **J Pediatr** 1984 Mar;104(3):483–4

Single-dose and seven-day trimethoprim and co-trimoxazole in the treatment of urinary tract infection. Jones RH. **J R Coll Gen Pract** 1983 Sep;33(254):585–9

65 cases of urinary tract infection treated by total acid of Achillea alpina. Peng Y, et al. **J Tradit Chin Med** 1983 Sep;3(3):217–8

Visualization of bactericidal concentrations of nitrofurantoin macrocrystals in primate and human urinary tract tissue. Boileau MA, et al. **J Urol** 1983 Nov;130(5):1010–2

Re: Ketoconazole therapy for fungal urinary tract infections [letter] Kozinn PJ, et al. **J Urol** 1984 Jan;131(1):127–8

Re: Ceftizoxime in the treatment of urinary tract infections [letter] Lentnek AL. **J Urol** 1984 Jan;131(1):127

Minocycline HCL in urinary tract infection – a clinical trial. Gardezi SA, et al. **JPMA** 1983 Dec;33(12):294–8

Aztreonam compared with gentamicin for treatment of serious urinary tract infections. Sattler FR, et al. **Lancet** 1984 Jun 16;1(8390):1315–8

Acute cystitis: a prospective study of laboratory tests and duration of therapy. Schultz HJ, et al. **Mayo Clin Proc** 1984 Jun;59(6):391–7

Management of dysuria in women [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Jun;59(6):436–7

Single-dose netilmicin in urinary infection [letter] Murphy BF, et al. **Med J Aust** 1984 Mar 3;140(5):311

Comparative study of aztreonam and cefamandole in the treatment of serious urinary tract infections. Tsouroutsoglou W, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug; 5(6):385–90

Single-dose amoxicillin therapy of urinary tract infection among an unselected population of women. McAllister CK, et al. **Milit Med** 1984 Apr;149(4):210–2

Treatment of urinary tract infections [letter] **NZ Med J** 1983 Jul 13;96(735):542–3

Comparison of single dose netilmicin with a five-day course of co-trimoxazole for uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1984 Apr 25; 97(754):262–4

Comparison of augmentin with co-trimoxazole for treatment of uncomplicated urinary tract infections. Bailey RR, et al. **NZ Med J** 1983 Nov 23;96(744):970–2

Clinical evaluation of cefotiam (CGP/14221) versus cephalothin in the treatment of urinary tract infections. Tselentis J, et al. **Pharmatherapeutica** 1983;3(6):382–7

Cephalexin in the therapy of infections of the urinary tract. Weinstein AJ. **Postgrad Med J** 1983;59 Suppl 5:40–2

Norfloxacin in acute urinary tract infections. Deaney NB, et al. **Practitioner** 1984 Jan;228(1387):111–7

Acetohydroxamate in struvite stones: in vivo study. Aroldi A, et al. **Proc Eur Dial Transplant Assoc** 1983;20:469–72

Management of infected stone disease with hydroxyurea: a five year follow-up. Smith MJ. **Proc Eur Dial Transplant Assoc** 1983;20:466–8

Use of rifampin for the treatment of urinary tract infections. Brumfitt W, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S573–82

Patterns of antimicrobial therapy for pediatric patients. Kjellman B, et al. **Scand J Infect Dis** 1984;16(1):103–9

Treatment of extragenital infections caused by Mycoplasma hominis. Myhre EB, et al. **Sex Transm Dis** 1983 Oct–Dec; 10(4 Suppl):382–5

Long-term oral treatment of urinary tract infections with single daily doses of a new antibacterial drug combination (Kelfiprim). von Niederhäusern W, et al. **Urol Res** 1983; 11(4):181–5

[Therapy of urinary tract infections with a single dose of netilmicin] Horčičková M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):1010–3 (Eng. Abstr.) **(Cze)**

[Treatment of urinary infection with a combination of amoxycillin and clavulanic acid] Vránková J, et al. **Cas Lek Cesk** 1983 Sep 16;122(37):1144–5 (Eng. Abstr.) **(Cze)**

[Trimethoprim in acute uncomplicated urinary tract infections; a single-dose administration or a 7-day course] Sturm AW. **Ned Tijdschr Geneeskd** 1984 Mar 24; 128(12):543–6 (Eng. Abstr.) **(Dut)**

[Prolonged-action nifurtoinol in urinary infections. Comparative study] Germeau F, et al. **Acta Urol Belg** 1983; 51(3):373–8 (Eng. Abstr.) **(Fre)**

[Effectiveness of 3 doses of metrifonate in the treatment of urinary bilharziasis in Senegal] Diallo S, et al. **Dakar Med** 1983;28 Suppl:67–76 (Eng. Abstr.) **(Fre)**

[Efficacy and tolerability of Negram Forte in the treatment and prevention of urinary infections in urologic surgery] Charton M, et al. **J Urol (Paris)** 1984;90(1):69–72 (Eng. Abstr.) **(Fre)**

[Medical aspects of urinary tract infections] Dupont B, et al. **J Urol (Paris)** 1983;89(5):299–307 (39 ref.) (Eng. Abstr.) **(Fre)**

[Clinical evaluation of azthreonam in severe urinary tract infections] Guibert J, et al. **Pathol Biol (Paris)** 1984 May; 32(5):446–9 (Eng. Abstr.) **(Fre)**

[Dibekacin in the treatment of urinary infections in the elderly] Lopitaux R, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):563–6 (Eng. Abstr.) **(Fre)**

[Role of azlocillin in the treatment of Pseudomonas urinary infections] Canton P. **Presse Med** 1984 Mar 29;13(13):830–3 (Eng. Abstr.) **(Fre)**

[Pathogenesis and medical treatment of urinary reinfections] Penders L. **Rev Med Liege** 1984 Jan 15;39(2):47–52 **(Fre)**

[Chronic urinary tract infections: diagnosis and treatment] Glauser MP. **Rev Med Suisse Romande** 1984 May; 104(5):395–400 **(Fre)**

[Treatment of severe renal infections] Meyrier A. **Schweiz Rundsch Med Prax** 1984 Apr 3;73(14):433–5 **(Fre)**

[Treatment of urinary tract infections] Glauser MP. **Ther Umsch** 1984 May;41(5):330–4 (Eng. Abstr.) **(Fre)**

[Treatment of severe Candida infections with ketoconazole in newborn and young infants] Saule H. **Dtsch Med Wochenschr** 1983 Nov 4;108(44):1676–80 (Eng. Abstr.) **(Ger)**

[Clinical studies of the efficacy and tolerance of cefotaxime, ceftizoxime and ceftriaxone in patients with complicated urinary tract infections] Westenfelder M, et al. **Infection** 1983 Nov–Dec;11(6):296–301 (Eng. Abstr.) **(Ger)**

[Cephadroxil and amoxicillin in patients with urinary tract infections] Buckert D, et al. **Med Welt** 1983 Nov 25; 34(47):1360–2 **(Ger)**

[Role of cefotaxime in the treatment of urinary tract infections from the viewpoint of the urologist] Porpaczy P. **Wien Klin Wochenschr [Suppl]** 1983;142:24–6 (Eng. Abstr.) **(Ger)**

[Neonatal urinary tract infections] Sivan Y, et al. **Harefuah** 1983 Dec 1;105(11):376–8 **(Heb)**

[The bacterial agents responsible for urinary tract infections. II: Study of variations in time of the sensitivity of the bacterial agents to various types of chemoantibiotics] Mendicino A, et al. **Clin Ter** 1983 Oct 15;107(1):29–35 (Eng. Abstr.) **(Ita)**

[Norfloxacin: a new oral chemotherapeutic agent effective against multi-drug-resistant Gram-negative bacteria and cocci. Rational directions for treatment] Panichi G, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):65–71 (Eng. Abstr.) **(Ita)**

[Cefonicid (SK&F D-75073-Z2) in a single low dose in the treatment of complicated infections of the urinary tract] Salvadeo A, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):127–32 (Eng. Abstr.) **(Ita)**

[Therapeutic efficacy of piperacillin in internal medicine] Zanoboni A, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):133–8 (Eng. Abstr.) **(Ita)**

[Therapy of infections of the urinary tract with sisomycin in a single daily dose] Besana R, et al. **Minerva Pediatr** 1983 Dec 31;35(23–24):1235–9 (Eng. Abstr.) **(Ita)**

[Prolonged low-dose therapy in recurrent infections of the urinary tract in the child] Ruberto U, et al. **Minerva Pediatr** 1983 Nov 15;35(21):1079–82 (Eng. Abstr.) **(Ita)**

[Activity and tolerance of cefotaxime in complex urinary infections] Altieri A, et al. **Minerva Urol** 1983 Apr–Jun; 35(2):141–8 (Eng. Abstr.) **(Ita)**

[Use of tobramycin in single daily doses in urological surgery] Tigano G, et al. **Minerva Urol** 1983 Apr–Jun;35(2):149–52 (Eng. Abstr.) **(Ita)**

[Single-dose tobramycin in the therapy and prevention of urinary infections] Trombetta C, et al. **Minerva Urol** 1983 Oct–Dec;35(4):291–4 (Eng. Abstr.) **(Ita)**

[Comparative study and time changes in the resistance to gentamycin, tobramycin, sisomicin and amikacin of Gram-negative nosocomial bacterial strains isolated from the urinary tract, in relation to the annual use of the aminoglycosides tested] Alegente G, et al. **Quad Sclavo Diagn** 1983 Sep;19(3):343–8 (Eng. Abstr.) **(Ita)**

[Clinical experience with cefmetazole in the urological field] Aga Y, et al. **Hinyokika Kiyo** 1983 Apr;29(4):459–63 (Eng. Abstr.) **(Jpn)**

[Clinical studies on combination chemotherapy with fosfomycin and dibekacin in complicated urinary tract infection] Amano M, et al. **Hinyokika Kiyo** 1983 Aug; 29(8):947–52 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of piperacillin in the urological field] Hayashida S, et al. **Hinyokika Kiyo** 1983 Apr;29(4):465–76 (Eng. Abstr.) **(Jpn)**

[Double-blind comparative clinical study of cefpiramide (SM-1652) and cefsulodin on complicated urinary tract infections due to P. aeruginosa] Kawamura N, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1147–88 (Eng. Abstr.) **(Jpn)**

[Comparative study on intravenous drip infusion of dibekacin once daily and twice daily in treatment of complicated urinary tract infections] Kishi H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):103–20 (Eng. Abstr.) **(Jpn)**

[Prophylactic and chemotherapeutic efficacy of pivmecillinam (PMPC) against infections after TUR-P and prostatectomy] Maru A, et al. **Hinyokika Kiyo** 1983 Feb; 29(2):245–53 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefmetazole in urological infections] Mitsuya H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):87–95 (Eng. Abstr.) **(Jpn)**

[Treatment of infection stones. I. Dissolution of experimental infection stones in rats] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):293–6 (Eng. Abstr.) **(Jpn)**

[Prevention of infected urinary stones by urease inhibitor. IV. Treatment of infection stones in rats by a new hydroxamic acid and cefalexin] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Mar;29(3):297–302 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of Claforan (CTX) in aged patients with chronic complicated urinary tract infections] Washida H, et al. **Hinyokika Kiyo** 1984 Jan;30(1):121–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefotaxime in complicated urinary tract infections] Fujii K, et al. **Jpn J Antibiot** 1983 Aug; 36(8):2073–6 (Eng. Abstr.) **(Jpn)**

[Clinical studies of ceftazidime in the pediatric field] Hoshina H, et al. **Jpn J Antibiot** 1984 Mar;37(3):460–8 (Eng. Abstr.) **(Jpn)**

[Clinical studies of an ampicillin suppository (KS-R1) in children] Hoshina H, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1827–33 (Eng. Abstr.) **(Jpn)**

[Effect of cefadroxil in urinary tract infections] Iwao N, et al. **Jpn J Antibiot** 1984 Apr;37(4):558–80 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Jozaki K, et al. **Jpn J Antibiot** 1983 Jul;36(7):1806–13 (Eng. Abstr.) **(Jpn)**

[Comparative double-blind study of cefroxadine and cephalexin in the treatment of complicated urinary tract infection] Kamidono S, et al. **Jpn J Antibiot** 1983 Sep; 36(9):2571–94 (Eng. Abstr.) **(Jpn)**

[Double-blind comparison of cefotetan and cefmetazole in complex urinary tract infections] Kamidono S, et al. **Jpn J Antibiot** 1983 Jun;36(6):1325–53 (Eng. Abstr.) **(Jpn)**

[Treatment of complicated urinary tract infections caused by fungi] Kawada Y, et al. **Jpn J Antibiot** 1984 Mar; 37(3):285–9 (Eng. Abstr.) **(Jpn)**

[Clinical studies of intravenous drip infusion of micronomicin. Urinary tract infections] Kawamura N. **Jpn J Antibiot** 1984 Jan;37(1):122–35 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) in pediatrics] Kida K, et al. **Jpn J Antibiot** 1983 Jul; 36(7):1882–7 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1)] Kobayashi Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1871–6 (Eng. Abstr.) **(Jpn)**

[Clinical application of cefotetan in pediatrics] Kobayashi Y, et al. **Jpn J Antibiot** 1983 Jun;36(6):1313–6 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of ceftazidime in the field of pediatrics] Koshinami M, et al. **Jpn J Antibiot** 1984 Mar;37(3):344–8 (Eng. Abstr.) **(Jpn)**

[Therapeutic effects of an ampicillin suppository KS–R1) on infections in children] Kurashige T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1952–8 (Eng. Abstr.) **(Jpn)**

[Clinical application of latamoxef during the perinatal period] Matsuda S, et al. **Jpn J Antibiot** 1983 Sep;36(9):2405–8 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of an ampicillin suppository (KS–R1) in children] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1900–51 (Eng. Abstr.) **(Jpn)**

[Clinical effects of an ampicillin suppository (KS–R1) in urinary tract infection of children] Motohiro T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1959–72 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefotetan in the treatment of infections of children] Nagamatsu I, et al. **Jpn J Antibiot** 1983 Jun;36(6):1199–203 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefbuperazone in complicated urinary tract infection] Natsume H, et al. **Jpn J Antibiot** 1983 Dec; 36(12):3343–8 (Eng. Abstr.) **(Jpn)**

[Clinical experience with cefpiramide in pediatrics] Obara T, et al. **Jpn J Antibiot** 1983 Aug;36(8):2142–6 (Eng. Abstr.) **(Jpn)**

[Clinical experience with an ampicillin suppository (KS–R1) in bacterial infections in children] Sekiguchi T, et al. **Jpn J Antibiot** 1983 Jul;36(7):1895–9 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of an ampicillin suppository (KS–R1) in pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1983 Jul;36(7):1834–45 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of an ampicillin suppository (KS–R1) in infections in children] Yafuso M, et al. **Jpn J Antibiot** 1983 Jul;36(7):1846–50 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefpiramide in pediatrics] Yanagisawa K, et al. **Jpn J Antibiot** 1983 Aug;36(8):2201–6 (Eng. Abstr.) **(Jpn)**

[Double-blind comparative clinical study of cefpiramide (SM–1652) and cefmetazole in complicated urinary tract infections] Ishigami J, et al. **Kansenshogaku Zasshi** 1983 Aug;57(8):695–723 (Eng. Abstr.) **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 4. Urology] Ishigami J. **Nippon Rinsho** 1984 Mar;42(3):719–20 **(Jpn)**

[Future of antibiotic therapy in various fields of medicine. 6. Urology. Present status and problems in the therapy of urinary tract infections] Kawada Y. **Nippon Rinsho** 1984 Mar;42(3):612–7 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 4. Urology] Nishiura T. **Nippon Rinsho** 1984 Mar;42(3):721–2 **(Jpn)**

[Criteria for selection of the first, second and third generation cephem antibiotics. 4. Urology] Ohkoshi M. **Nippon Rinsho** 1984 Mar;42(3):717–8 **(Jpn)**

[Sensitivity of some bacterial species isolated from urinary infections to antimicrobial agents] Meitert E, et al. **Rev Ig [Bacteriol]** 1984 Apr–Jun;29(2):145–54 (Eng. Abstr.) **(Rum)**

[Choice of treatment in recurrent urinary infections in childhood] Sánchez Bayle M, et al. **An Esp Pediatr** 1984 Jan;20(1):28–32 (Eng. Abstr.) **(Spa)**

[Treatment of urinary tract infections in children with trimethoprim–sulfamethoxypyridazine] Rodríguez W, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):402–6 (Eng. Abstr.) **(Spa)**

[Beta-lactamase inhibitors. I. In vivo evaluation of an amoxicillin + clavulanic acid combination in the treatment of urinary infections] Dalet F, et al. **Rev Clin Esp** 1984 Feb 15;172(3):153–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Ureteropelvic junction obstruction in children. White JM Jr, et al. **Am Fam Physician** 1984 Mar;29(3):211–6

Genitourinary infections in the patient at risk: extrinsic risk factors. Kunin CM. **Am J Med** 1984 May 15;76(5A):131–9 (64 ref.)

Host factors in the pathogenesis of urinary tract infections. Sobel JD, et al. **Am J Med** 1984 May 15;76(5A):122–30 (86 ref.)

Hemophilus influenzae as a cause of urinary tract infections in men. Gabre-Kidan T, et al. **Arch Intern Med** 1984 Aug; 144(8):1623–7

Audit repeat on urinary tract infection following an hysterectomy. Baldwin AE. **Aust Clin Rev** 1983 Jun; (9):10–4

Urological complications following abdominoperineal excision of the rectum for carcinoma. Watters GR, et al. **Aust NZ J Surg** 1983 Oct;53(5):445–7

Comments on the role of bacterial adherence in the pathogenesis of urinary tract infections. Harber MJ, et al. **Contrib Nephrol** 1984;39:273–9

Initiation of clinical pyelonephritis—the role of P-fimbriae–mediated bacterial adhesion. Svenson SB, et al. **Contrib Nephrol** 1984;39:252–72

Recurrent UTI in pregnant woman with congenital spina bifida. Seal GM, et al. **Hosp Pract [Off]** 1984 May;19(5):188, 193

Vero cell invasiveness of Proteus mirabilis. Peerbooms PG, et al. **Infect Immun** 1984 Mar;43(3):1068–71

Lactobacillus gasseri as the cause of septic urinary infection. Dickgiesser U, et al. **Infection** 1984 Jan–Feb;12(1):14–6

Characteristics of urinary tract infection caused by coagulase-negative Staphylococcus in a group of young women. Leibovici L, et al. **Isr J Med Sci** 1984 Mar; 20(3):219–23

True hermaphroditism with vaginomegaly: a cause of pseudo-urinary tract infection. Anderson SW, et al. **J Pediatr** 1983 Oct;103(4):595–7

Bacterial adherence in the human ileal conduit: a morphological and bacteriological study. Bruce AW, et al. **J Urol** 1984 Jul;132(1):184–8

Urinary tract infection in boys. Burbige KA, et al. **J Urol** 1984 Sep;132(3):541–2

Urinary tract infections in young adult women caused by Staphylococcus saprophyticus. Latham RH, et al. **JAMA** 1983 Dec 9;250(22):3063–6

Whirlpool-associated Pseudomonas aeruginosa urinary tract infections. Salmen P, et al. **JAMA** 1983 Oct 21; 250(15):2025–6

Symptomatic urinary tract infections in patients on maintenance hemodialysis. Rault R. **Nephron** 1984; 37(2):82–4

The severely burnt patient and urologic complications. Lavorato F, et al. **Panminerva Med** 1983 Jul–Sep; 25(3):143–5

Urinary tract infections—current status. Fair WR. **Semin Urol** 1983 May;1(2):91–6

Urinary tract infection following abdominal delivery—second thought on indwelling catheter. Chaudhuri P, et al. **Singapore Med J** 1983 Aug;24(4):224–6

The diaphragm: an accomplice in recurrent urinary tract infections. Gillespie L. **Urology** 1984 Jul;24(1):25–30

[Septicemia associated with urinary infection in infants. Apropos of 36 cases] Lacroix J, et al. **Arch Fr Pediatr** 1984 Feb;41(2):99–101 (Eng. Abstr.) **(Fre)**

[Urinary tract infection in patients with calculi] Petkovic S, et al. **J Urol (Paris)** 1983;89(8):561–4 (Eng. Abstr.) **(Fre)**

[Postoperative urinary infections] Parraguette J, et al. **Sem Hop Paris** 1983 Dec 29;59(49):3453–5 (Eng. Abstr.) **(Fre)**

[Etiology of urinary tract infections] Huland H, et al. **Dtsch Med Wochenschr** 1984 Sep 7;109(36):1370–4 (43 ref.) **(Ger)**

[Urinary tract infection in the diabetic patient] Zimmerli W. **Schweiz Med Wochenschr** 1984 Mar 24;114(12):394–9 (64 ref.) (Eng. Abstr.) **(Ger)**

[Role of chlamydiae in pathology of the urogenital tract] Delektorskiĭ VV, et al. **Vestn Dermatol Venerol** 1984 Apr; (4):28–35 (78 ref.) **(Rus)**

[Urinary infections and uropathies] Vallo A, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 19:31–3 **(Spa)**

FAMILIAL & GENETIC

Genetic factors in host resistance to urinary tract infection. Svanborg Edén C, et al. **Infection** 1984 Mar–Apr; 12(2):118–23

IMMUNOLOGY

Antibodies to Tamm-Horsfall urinary glycoprotein in patients with urinary tract infection, reflux nephropathy, urinary obstruction and paraplegia. Lynn KL, et al. **Contrib Nephrol** 1984;39:296–304

Urinary tract infection and blood P1 antigen: preliminary report. Yasumoto R, et al. **Hinyokika Kiyo** 1984 Jan; 30(1):9–11

Local cellular immune response in ascending urinary tract infection: occurrence of T-cells, immunoglobulin-producing cells, and Ia-expressing cells in rat urinary tract tissue. Hjelm EM. **Infect Immun** 1984 Jun;44(3):627–32

Human leukocyte antigens in women with recurrent urinary tract infections. Schaeffer AJ, et al. **J Infect Dis** 1983 Sep; 148(3):604

Longitudinal studies of prostatic fluid immunoglobulin in men with bacterial prostatitis. Fowler JE Jr, et al. **J Urol** 1984 Feb;131(2):363–9

Urinary tract infections and P blood group antigens. Mulholland SG, et al. **Urology** 1984 Sep;24(3):232–5

[Immunologic aspects of infections of the urinary tract] Merta M, et al. **Cas Lek Cesk** 1984 Apr 27;123(17):506–10 (Eng. Abstr.) **(Cze)**

[Relation between the O:K:H serotype and the fimbria antigen in E. coli of urinary tract infections] Nimmich W, et al. **Z Urol Nephrol** 1984 Jun;77(6):343–9 (Eng. Abstr.) **(Ger)**

[Phagocytic function of urinary leukocytes] Maeda S. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1821–36 (Eng. Abstr.) **(Jpn)**

[An immunological study of lower urinary tract infection: antibody-coated bacteria (ACB) test] Shoda R. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2113–30 (Eng. Abstr.) **(Jpn)**

METABOLISM

[Formation of 17-ketoderivatives of testosterone in the prostate gland and liver of dogs with bacterial uro(urethro)genic prostatitis] Imshinetskaia LP, et al. **Fiziol Zh** 1984 Mar–Apr;30(2):245–8 **(Rus)**

MICROBIOLOGY

Urinary tract infectivity or R strains of Escherichia coli carrying various virulence factors. Kétyi I, et al. **Acta Microbiol Hung** 1983;30(2):155–61

Transferable antibiotic resistance in Escherichia coli isolated from urinary-tract infections: hospital v. community patients. Rotimi VO, et al. **Afr J Med Med Sci** 1984 Mar–Jun;13(1–2):47–53

Clinical significance of mixed bacterial cultures of urine. Bartlett RC, et al. **Am J Clin Pathol** 1984 Sep;82(3):319–22

Evaluation of API 20E strips for identification of coagulase-negative staphylococci from the urinary tract. Anderson DY, et al. **Am J Med Technol** 1983 Dec; 49(12):879–81

Susceptibilities of bacterial and fungal urinary tract isolates to desferrioxamine. Lowy FD, et al. **Antimicrob Agents Chemother** 1984 Mar;25(3):375–6

Pasteurella multocida urinary tract infection. Warren JS, et al. **Arch Pathol Lab Med** 1984 May;108(5):401–2

Causes and treatment of genitourinary tract infections. Harris RE. **Compr Ther** 1983 Aug;9(8):48–53 (18 ref.)

Candida lusitaniae: a new opportunistic pathogen of the urinary tract. Baker JG, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):145–9

Upper urinary tract infection with Gardnerella vaginalis in a woman [letter] Loulergue J, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):270

Urinary tract infections with antibiotic resistant organisms in catheterized nursing home patients. Bjork DT, et al. **Infect Control** 1984 Apr;5(4):173–6

Gene clusters governing the production of hemolysin and mannose-resistant hemagglutination are closely linked in Escherichia coli serotype O4 and O6 isolates from urinary tract infections. Low D, et al. **Infect Immun** 1984 Jan; 43(1):353–8

Immunoglobulin A proteases in gram-negative bacteria isolated from human urinary tract infections. Milazzo FH, et al. **Infect Immun** 1984 Jan;43(1):11–3

P-fimbriated clones among uropathogenic Escherichia coli strains. Väisänen-Rhen V, et al. **Infect Immun** 1984 Jan; 43(1):149–55

Urinary tract infection and drug-resistant bacteria in different patient populations. Nitzan Y, et al. **Isr J Med Sci** 1983 Dec;19(12):1039–45

Norfloxacin: activity against urinary tract pathogens and factors influencing the emergence of resistance. Greenwood D, et al. **J Antimicrob Chemother** 1984 Apr; 13(4):315–23

Review of bacterial resistance—a challenge to the treatment of urinary infection. Slack R. **J Antimicrob Chemother** 1984 May;13 Suppl B:1–7 (20 ref.)

Rapid and economical identification and antimicrobial susceptibility test methodology for urinary tract pathogens. Edberg SC, et al. **J Clin Microbiol** 1983 Dec;18(6):1287–91

Proteus penneri and urinary calculi formation. Krajden S, et al. **J Clin Microbiol** 1984 Apr;19(4):541–2

Role of fimbriated Escherichia coli in urinary tract infections in adult women: correlation with localization studies. Latham RH, et al. **J Infect Dis** 1984 Jun;149(6):835–40

The adhesins and fimbriae of Proteus mirabilis strains associated with high and low affinity for the urinary tract. Adegbola RA, et al. **J Med Microbiol** 1983 Nov; 16(4):427–31

Distribution and transferability of plasmids in trimethoprim resistant urinary Escherichia coli. Kraft CA, et al. **J Med Microbiol** 1983 Nov;16(4):433–41

Correlation of symptoms and results of direct bacterial localization in patients with urinary tract infections. Busch R, et al. **J Urol** 1984 Aug;132(2):282–5

Adherence of cervical, vaginal and distal urethral normal microbial flora to human uroepithelial cells and the inhibition of adherence of gram-negative uropathogens by competitive exclusion. Chan RC, et al. **J Urol** 1984 Mar; 131(3):596–601

Bacteriology of branched renal calculi and accompanying urinary tract infection. Fowler JE Jr. **J Urol** 1984 Feb; 131(2):213–5

Mannose-sensitive adherence of Escherichia coli to epithelial cells from women with recurrent urinary tract infections. Schaeffer AJ, et al. **J Urol** 1984 May;131(5):906–10

Fastidious bacteria and the urethral syndrome: a 2-year clinical and bacteriological study of 51 women. Maskell R, et al. **Lancet** 1983 Dec 3;2(8362):1277–80

Staphylococcus saprophyticus as a common cause of urinary tract infections. Hovelius B, et al. **Rev Infect Dis** 1984 May–Jun;6(3):328–37 (56 ref.)

Transferable trimethoprim resistance in urinary tract pathogens isolated in Finland and Sweden. Dornbusch K, et al. **Scand J Infect Dis** 1983;15(3):285–91

Urinary tract candidiasis: an update. Roy JB, et al. **Urology** 1984 Jun;23(6):533–7 (50 ref.)

Hemolytic Escherichia coli strains in the human fecal flora as potential urinary pathogens. Hacker J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):370–8

Colicine production and colicine sensitivity typing of nephropathogenic serotypes of Escherichia coli. Nowicki B. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):397–402

[R factor in urinary tract infection] Chang LL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):268–77 (Eng. Abstr.) **(Chi)**

[Role of colibacilli bearing fimbriae in recurrent urinary infections in children (letter)] Schwartz J, et al. **Arch Fr Pediatr** 1983 Oct;40(8):671 **(Fre)**

[Incidence of isolation and antibiotic resistance of E. coli responsible for urinary infections outside hospitals, in specialized hospitals and in general hospitals] Lionsquy G, et al. **Pathol Biol (Paris)** 1984 May;32(5):389–92 (Eng. Abstr.) **(Fre)**

[Therapy of urinary tract infections: striking Gram-negative germs. Changes in the bacterial spectrum and resistance in a group of patients over an 18-year period] Gussmann S. **Fortschr Med** 1983 Sep 22;101(36):1626–9 **(Ger)**

[Urine diagnosis with immersed culture media. Errors in bacteriologic studies] Schmitt HJ. **MMW** 1983 Dec 16; 125(50):1180–1 **(Ger)**

[Urinary tract infections caused by hospital infections (nosocomial infections). A long-term study] Hofstetter A, et al. **Urologe [Ausg A]** 1984 May;23(3):134–40 (Eng. Abstr.) **(Ger)**

[Current status of determining bacteria and resistance in urinary tract infections] Ritzerfeld W, et al. **Urologe [Ausg A]** 1984 May;23(3):130–3 (Eng. Abstr.) **(Ger)**

[Microbiological studies of urinary tract infections] Bollmann R. **Z Arztl Fortbild (Jena)** 1983;77(18):755–9 (30 ref.) **(Ger)**

[In vitro resistance of various organisms isolated from urinary tract infections to a trimethoprim-sulfonamide drug combination] Bollmann R, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):439–40 (Eng. Abstr.) **(Ger)**

[Urinary tract infections: note on its status] Savoia D, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun;75(1–6):62–8 (Eng. Abstr.) **(Ita)**

[Chemobiotic sensitivity of common Gram-negative bacteria in urinary tract infections, 1981–1982] Mastandrea P, et al. **Quad Sclavo Diagn** 1983 Dec;19(4):455–62 (Eng. Abstr.) **(Ita)**

[Role of pili in bacterial infections] Amako K. **Fukuoka Igaku Zasshi** 1983 Nov;74(11):733–6 (7 ref.) **(Jpn)**

[Clinical aspects of urinary tract infection by Serratia marcescens] Miyakita H, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):153–8 (Eng. Abstr.) **(Jpn)**

[Bacterial species recently isolated from urinary tract infections and their antibiotic susceptibility, with special reference to acute cystitis] Arai T, et al. **Jpn J Antibiot** 1983 Oct;36(10):2750–6 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). II. Background of patients] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):723–33 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). III. Secular changes in susceptibility] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):734–74 (Eng. Abstr.) **(Jpn)**

[Comparative studies of antimicrobial agents against causative organisms isolated from urinary tract infections (1982). I. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1984 Apr;37(4):680–722 (Eng. Abstr.) **(Jpn)**

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3: 1981). 2. Changes in bacterial sensitivities] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun;36(6):1504–20 (Eng. Abstr.) **(Jpn)**

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3: 1981) 1. Susceptibility distribution] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun;36(6):1469–503 (Eng. Abstr.) **(Jpn)**

[Comparison of antibacterial potencies of oral and parenteral antibiotic preparations against Escherichia coli, Klebsiella, Citrobacter, and Proteus isolated from urinary tract infections (3. 1981). 3. Patient backgrounds and bacterial sensitivities] Kosakai N, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1521–43 (Eng. Abstr.) **(Jpn)**

[Classification and antibiotic sensitivity of coagulase-negative staphylococci isolated from urinary tract infections] Okuda T, et al. **Kansenshogaku Zasshi** 1983 Nov;57(11):964–70 (Eng. Abstr.) **(Jpn)**

[Significance of beta lactamase on polymicrobial urinary tract infection and in-vitro microbiological studies] Kanematsu M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jul;74(7):1140–60 (Eng. Abstr.) **(Jpn)**

[Clinical studies on urinary tract infections caused by Serratia marcescens. I. Clinical and bacteriological studies on urinary tract infections caused by Serratia marcescens] Sakai S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):467–84 (Eng. Abstr.) **(Jpn)**

[Pathogenic bacteria in the urinary tract. Incidence and resistance behavior] Kristiansen BE. **Tidsskr Nor Laegeforen** 1983 Aug 30;103(24):1684–6 (Eng. Abstr.) **(Nor)**

[Uropathogenic serotypes of Escherichia coli in asymptomatic bacteriuria and symptomatic urinary tract infections] Galiński J, et al. **Med Dosw Mikrobiol** 1983; 35(2):125–30 (Eng. Abstr.) **(Pol)**

[Antibiotic sensitivity of bacteria isolated from the urine of ambulatory care patients with infections of the urinary tract, with special emphasis on the sensitivity of E. coli serotypes] Tambić T, et al. **Lijec Vjesn** 1982 Nov–Dec; 104(11–12):501–4 (Eng. Abstr.) **(Ser)**

[Candida infections of the urinary tract] Aragona F, et al. **Arch Esp Urol** 1984 Mar–Apr;37(2):87–93 (50 ref.) (Eng. Abstr.) **(Spa)**

OCCURRENCE

Prevalence of genito-urinary symptoms in the late menopause. Iosif CS, et al. **Acta Obstet Gynecol Scand** 1984; 63(3):257–60

Studies on schistosomiasis in Taiz Province, Yemen Arab Republic. Hazza YA, et al. **Am J Trop Med Hyg** 1983 Sep; 32(5):1023–8

Haemophilus organisms: urinary tract pathogens in children? Burns TR, et al. **Diagn Microbiol Infect Dis** 1984 Jun; 2(3):251–3

Seasonality of symptomatic bacterial urinary infections in women. Anderson JE. **J Epidemiol Community Health** 1983 Dec;37(4):286–90

A 16-month analysis of urinary tract infection in children. Naylor GR. **J Med Microbiol** 1984 Feb;17(1):31–6

Urinary tract infections in young children [letter] O'Shea JS. **J Pediatr** 1984 Jun;104(6):960–1

Urinary tract infection in infants with unexplained fever: a collaborative study. Roberts KB, et al. **J Pediatr** 1983 Dec; 103(6):864–7

Hospital-acquired bacteremic urinary tract infection: epidemiology and outcome. Bryan CS, et al. **J Urol** 1984 Sep;132(3):494–8

Community-acquired bacteremic urinary tract infection: epidemiology and outcome. Bryan CS, et al. **J Urol** 1984 Sep;132(3):490–3

Bacteriuria in children. Abbas KA, et al. **JPMA** 1983 Aug; 33(8):197–202

Urinary-tract infections in the elderly [editorial] Freedman LR. **N Engl J Med** 1983 Dec 8;309(23):1451–2

Fertility after induced abortion: a prospective follow-up study. Stubblefield PG, et al. **Obstet Gynecol** 1984 Feb; 63(2):186–93

Recurrent urinary tract infections in children. McCracken GH Jr. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S28–30

Urinary tract infections in men caused by Staphylococcus saprophyticus. Hovelius B, et al. **Scand J Infect Dis** 1984; 16(1):37–41

Urinary tract infections in the 1980s. Neu HC. **Semin Urol** 1983 May;1(2):130–7

[Current status of urinary bilharziasis in the population of the shores of Lake de Guiers (northern Senegal)] Cisse F, et al. **Dakar Med** 1983;28(2):343–50 (Eng. Abstr.) **(Fre)**

[Epidemiologic and microbiologic aspects of urinary infections] Auckenthaler R. **Rev Med Suisse Romande** 1983 Aug;103(8):645–7 **(Fre)**

[Epidemiology of urinary infections. I. Variations observed among ambulatory and hospitalized patients in the 5-year period 1977–1981] Vaquero M, et al. **Nuovi Ann Ig Microbiol** 1983 Nov–Dec;34(6):423–36 (Eng. Abstr.) **(Ita)**

[Statistical observation of urinary tract infections by Serratia marcescens] Kamiryo Y, et al. **Hinyokika Kiyo** 1983 Apr; 29(4):401–10 (Eng. Abstr.) **(Jpn)**

[Tuberculosis in dialysis patients. 10. Epidemiology of kidney and urinary tract tuberculosis] Inamoto H. **Kekkaku** 1983 May;58(5):287–91 (Eng. Abstr.) **(Jpn)**

[Clinical studies on urinary tract infections caused by Serratia marcescens. II. Epidemiological studies on onset of Serratia marcescens urinary tract infections in the urological ward] Sakai S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr; 74(4):485–502 (Eng. Abstr.) **(Jpn)**

[Urogenital Chlamydia trachomatis infection in a student population] Anestad G, et al. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):499–502 (Eng. Abstr.) **(Nor)**

[Urinary tract infections in the epidemiologic-clinical aspect] Hołoweńko Z, et al. **Pediatr Pol** 1983 Jul;58(7):631–5 (Eng. Abstr.) **(Pol)**

[Recurrent urinary tract infection in girls: developmental analysis of 39 cases. Preliminary summary] Navarro M, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 19:40–1 **(Spa)**

[The incidence of urinary tract infections and urinary lactate dehydrogenase levels in 50 pregnant women] Aslan SL. **Mikrobiyol Bul** 1984 Jan;18(1):1–14 (Eng. Abstr.) **(Tur)**

PARASITOLOGY

Urinary gnathostomiasis. Horohoe JJ, et al. **JAMA** 1984 Jan 13;251(2):255–6

PATHOLOGY

Urinary tract infection among women attending a clinic for sexually transmitted diseases. Wong ES, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):18–23

PHYSIOPATHOLOGY

Reflexes of the external urethral sphincter in children. Hallett M, et al. **Arch Neurol** 1984 Sep;41(9):942–5

Bladder-sphincter dysfunction, urinary infection and vesico-ureteral reflux with special reference to cognitive bladder training. van Gool JD, et al. **Contrib Nephrol** 1984; 39:190–210

[Urodynamic studies in children] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):889–92 **(Dut)**

[Functional pathology of the lower urinary tract in children] Locquet P, et al. **LARC Med** 1983 Dec;3(10):697–8, 700–2 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Prevention of urinary tract infections. Stamm WE. **Am J Med** 1984 May 15;76(5A):148–54 (52 ref.)

Antibiotic prophylaxis after instrumentation for urodynamic testing. Bergman A, et al. **Br J Urol** 1983 Oct;55(5):568–9

Somatic growth in girls receiving low dose prophylactic co-trimoxazole. Smellie JM, et al. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):875

The effects of oral and combined parenteral/oral immunization against an experimental Escherichia coli urinary tract infection in mice. Layton GT, et al. **Clin Exp Immunol** 1983 Nov;54(2):305–12

Evaluation of a prospective study on the urinary tract infections in pregnancy. Fede T, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):131–4

Normal somatic growth in children receiving low-dose prophylactic co-trimoxazole. Smellie JM, et al. **Eur J Pediatr** 1983 Sep;140(4):301–4

Non-antibiotic prevention of urinary tract infection. Hagberg L, et al. **Infection** 1984 Mar–Apr;12(2):132–7

The feasibility of screening preschool children for urinary tract infection using dipslides. Taylor CM, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):113–4

Long-term prophylaxis of urinary infections in women: comparative trial of trimethoprim, methenamine hippurate and topical povidone-iodine. Brumfitt W, et al. **J Urol** 1983 Dec;130(6):1110–4

Prevention of urinary catheter incrustations by acetohydroxamic acid. Burns JR, et al. **J Urol** 1984 Sep; 132(3):455–6

Re: Antimicrobial agents for the prevention of urinary tract infection in transurethral surgery [letter] Desautels RE. **J Urol** 1984 Jun;131(6):1188

Enhanced immune response in the urinary tract of the rat following vaginal immunization. Jensen J, et al. **J Urol** 1984 Jul;132(1):164–6

The uninhibited bladder in children: effect of treatment on recurrence of urinary infection and on vesicoureteral reflux resolution. Koff SA, et al. **J Urol** 1983 Dec;130(6):1138–41

Prevention of urinary tract infection during intermittent catheterization. Krebs M, et al. **J Urol** 1984 Jan;131(1):82–5

Effect of bacterial immunization on experimental reflux nephropathy. Torres VE, et al. **J Urol** 1984 Apr; 131(4):772–6

Formalin in the urinary bag: a cheap measure to control infection in urology wards [letter] Suryaprakash B, et al. **Lancet** 1984 Jul 14;2(8394):104–5

Methenamine mandelate with acidification: an effective urinary antiseptic in patients with neurogenic bladder. Kevorkian CG, et al. **Mayo Clin Proc** 1984 Aug;59(8):523–9

A prospective study of the efficacy of low dose nitrofurantoin in preventing urinary tract infections in spinal cord injury patients, with comments on the role of pseudomonads. Lindan R, et al. **Paraplegia** 1984 Apr;22(2):61–5

The effect of a short antibiotic course in transurethral prostatic resection. Grabe M, et al. **Scand J Urol Nephrol** 1984;18(1):37–42

Bladder defense mechanisms against urinary tract infections. Schaeffer AJ. **Semin Urol** 1983 May;1(2):106–13

[Trial control by metrifonate chemotherapy of Schistosoma haematobium in a dry savannah zone in Upper Volta] Sellin B, et al. **Med Trop (Mars)** 1983 Jul–Aug;43(4):355–60 (Eng. Abstr.) **(Fre)**

[Single-dose preventive treatment of urinary tract infections after endoscopic resection of the prostate] Charton M, et al. **Presse Med** 1984 Mar 3;13(9):545–8 (Eng. Abstr.) **(Fre)**

[Perioperative antibiotic prophylaxis in elective splenectomy. A randomized prospective study] Seufert RM, et al. **Chirurg** 1984 Jun;55(6):381–4 (Eng. Abstr.) **(Ger)**

[Treatment of vesico–ureteral reflux. An important preventive medical task for the pediatrician] Egli F. **Praxis** 1983 Oct 4;72(40):1259–60 **(Ger)**

[Sterilization with formaldehyde vapors in a hypobaric procedure: microbiologic and toxicologic aspects] Fleck H, et al. **Z Urol Nephrol** 1984 Jun;77(6):363–72 (Eng. Abstr.) **(Ger)**

[Tobramycin in antibiotic prophylaxis in gynecologic surgery per vaginam] Orsini G, et al. **Minerva Ginecol** 1984 May; 36(5):265–7 (Eng. Abstr.) **(Ita)**

[Studies on prophylaxis and therapy of pivmecillinam against post–prostatectomy urinary tract infection] Kanetake H, et al. **Hinyokika Kiyo** 1984 Mar;30(3):415–22 (Eng. Abstr.) **(Jpn)**

[Chemotherapy after prostatectomy—effects of long term administration of Pivmecillinam (PMPC)] Sagawa S, et al. **Hinyokika Kiyo** 1984 Mar;30(3):423–30 (Eng. Abstr.) **(Jpn)**

[Nosocomial infections. Preventive guidelines in urinary tract infections] **Tidsskr Nor Laegeforen** 1984 May 30; 104(15):1062–4 **(Nor)**

[Intrahospital urinary infection: efficacy of the use of a prospective prophylactic protocol] Font J, et al. **Med Clin (Barc)** 1983 Oct 1;81(9):373–5 (Eng. Abstr.) **(Spa)**

[Prevention of nosocomial urinary tract infection] Burman LG, et al. **Lakartidningen** 1984 Mar 21;81(12):1162–4 **(Swe)**

RADIOGRAPHY

Abscess–fistula association: radiologic recognition and percutaneous management. Papanicolaou N, et al. **AJR** 1984 Oct;143(4):811–5

Radiological abnormalities in infants with urinary tract infections. Bourchier D, et al. **Arch Dis Child** 1984 Jul; 59(7):620–4

Excretory urography and cystourethrography in the evaluation of children with urinary tract infection. Drachman R, et al. **Clin Pediatr (Phila)** 1984 May; 23(5):265–7

Unnecessary intravenous urography in young women with recurrent urinary tract infections. De Lange EE, et al. **Clin Radiol** 1983 Sep;34(5):551–3

Consensus: roentgenographic evaluation of children with urinary tract infections. Hellerstein S, et al. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):291–3

Lower urinary tract infections and calculi in the adult. Imray TJ, et al. **Semin Roentgenol** 1983 Oct;18(4):276–87 (29 ref.)

[Is intravenous urography indicated in the analysis of recurrent urinary tract infections in young women?] de Lange EE, et al. **Ned Tijdschr Geneeskd** 1984 Jan 14; 128(2):65–7 (Eng. Abstr.) **(Dut)**

[Urinary infection—the value of radiology] Ody B. **Rev Med Suisse Romande** 1983 Aug;103(8):653–6 **(Fre)**

[Radiologic study of urinary tract infections in children] Labbé J. **Union Med Can** 1983 Jul;112(7):634–7 (Eng. Abstr.) **(Fre)**

[Urinary cystography in children at the first episode of urinary infection. Results on 115 children with various radiologic protocols] Mazzoleni E, et al. **Minerva Pediatr** 1984 Feb 15;36(3):101–6 (Eng. Abstr.) **(Ita)**

SURGERY

Cystic pyeloureteritis. Rózsahegyi G, et al. **Acta Chir Hung** 1983;24(2):89–95

A controlled trial of otis urethrotomy. Choa RG, et al. **Br J Urol** 1983 Dec;55(6):694–7

Persistent urinary infections in a young woman with bilateral renal stones. Shortliffe LM, et al. **J Urol** 1984 Jun; 131(6):1147–51

THERAPY

Organization and function of a urinary infection clinic–part 1. Brumfitt W, et al. **Br J Hosp Med** 1983 Nov;30(5):308, 310–2

Organization and function of a urinary infection clinic—part 2. Brumfitt W, et al. **Br J Hosp Med** 1983 Dec;30(6):381, 384, 386–7

Management of childhood urinary tract infection in family practice. McAloon J, et al. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1729–30

The uninhibited bladder in children: effect of treatment on vesicoureteral reflux resolution. Koff SA, et al. **Contrib Nephrol** 1984;39:211–20

Management of recurrent urinary tract infections in female children. Yadav K, et al. **J Postgrad Med** 1983 Jul; 29(3):156–9

Inhibition of bacterial adherence by cranberry juice: potential use for the treatment of urinary tract infections. Sobota AE. **J Urol** 1984 May;131(5):1013–6

Frequency and dysuria in women; the tip of an iceberg. O'Dowd TC. **Practitioner** 1984 Aug;228(1394):711–5

[Urinary infection: steps to follow and not to follow. Recommendations and commentaries] Berger JP. **Rev Med Suisse Romande** 1983 Aug;103(8):665–6 **(Fre)**

TRANSMISSION

The use of the Dienes test in the epidemiology of proteus urinary tract infections in patients with spinal cord disease. Herruzo–Cabrera R, et al. **J Hosp Infect** 1984 Mar;5(1):92–5

URINE

Quantitation of a leukocyte protein (L1) in urine. Holt J, et al. **Acta Paediatr Scand** 1983 Jul;72(4):615–6

Pneumaturia following cadaveric renal transplantation. Gruer LD, et al. **Br J Surg** 1984 Feb;71(2):158

Degradation of beta 2–microglobulin in infected urine by leukocyte elastase–like activity. Norden AG, et al. **Clin Chim Acta** 1983 Oct 31;134(1–2):167–76

When should a urine specimen be examined after removal of a urinary catheter? Davies AJ, et al. **J Hosp Infect** 1983 Jun;4(2):177–80

[Diagnostic value of urinary immunofluorescence in children] Mendygarina KI, et al. **Pediatriia** 1983 Sep;(9):29–31 **(Rus)**

[Bladder puncture in premature newborn infants with bacteriuria in the urine collected in bags] Martín Caballero JM, et al. **An Esp Pediatr** 1983 Oct;19(4):279–86 (Eng. Abstr.) **(Spa)**

VETERINARY

Mycoplasma as a cause of canine urinary tract infection. Jang SS, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):45–7

Canine urinary tract infections: a comparison of in vitro antimicrobial susceptibility test results and response to oral therapy with ampicillin or with trimethoprim–sulfa. Ling GV, et al. **J Am Vet Med Assoc** 1984 Aug 1;185(3):277–81

In vitro susceptibilities of canine urinary bacteria to selected antimicrobial agents. Rohrich PJ, et al. **J Am Vet Med Assoc** 1983 Oct 15;183(8):863–7

Clinicopathologic conference: trauma in a dog. Willard MD, et al. **Mod Vet Pract** 1984 Feb;65(2):129–33

Symposium on disorders of the feline lower urinary tract. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):407–717

Epidemiology of naturally occurring feline bacterial urinary tract infections. Lees GE. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):471–9 (15 ref.)

Medical management of male and female cats with nonobstructive lower urinary tract disease. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):617–40 (31 ref.)

URINATION

Early bladder training in patients with spina bifida. Bille B, et al. **Acta Paediatr Scand** 1984 Jan;73(1):60–4

Effect of constant light and darkness on the circadian rhythms in rats: I. Food and water intake, urine output and electrolyte excretion. Stoynev AG, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):58–64

Radiologic method to assess urinary bladder capacity and proportions in children. Engström CF, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(1):33–7

Vasopressin and urine flow rate responses to stress in conscious dogs. Koepke JP, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 2):F213–8

Simultaneous cystometry and uroflowmetry (micturition study) for evaluation of the caudal part of the urinary tract in dogs: reference values for healthy animals sedated with xylazine. Moreau PM, et al. **Am J Vet Res** 1983 Sep; 44(9):1774–81

Estimate of the daily urinary output based on creatininuria values. Camerini G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1984–7

Female micturition [letter] Beale G. **Br J Radiol** 1984 Jul; 57(679):654–5

On the physiology of continence and pathophysiology of stress incontinence in the female. Asmussen M, et al. **Contrib Gynecol Obstet** 1983;10:32–50

Aspects on the anatomy of the female urethra with special relation to urinary continence. Huisman AB. **Contrib Gynecol Obstet** 1983;10:1–31

Dysfunctional voiding in male and female patients. Gleason DM. **Hinyokika Kiyo** 1983 Aug;29(8):1009–13

Evaluation of a new nonadhesive urine collection device for patients with ileal conduits. Albertsen PC, et al. **J Urol** 1984 Mar;131(3):454–5

Isometric detrusor pressure during bladder filling and its dependency on bladder volume and interruption to flow in control subjects. Constantinou CE, et al. **J Urol** 1984 Jan;131(1):86–90

Ultrastructure of vesicourethral innervation. II. Postganglionic axoaxonal synapses in intrinsic innervation of the vesicourethral lissosphincter: a new structural and functional concept in micturition. Elbadawi A. **J Urol** 1984 Apr;131(4):781–90

Vesicourethral motility following acute spinal cord transection in the cat. Hassouna M, et al. **J Urol** 1984 Feb; 131(2):370–3

Microcomputer–based approach to the automation of flow rate measurement: a fully automatic mictiometer. Dijkhuis T, et al. **Med Biol Eng Comput** 1983 Nov;21(6):768–70

Histopathological evaluation of dog sacral nerve after chronic electrical stimulation for micturition. Yuen TG, et al. **Neurosurgery** 1984 Apr;14(4):449–55

Urodynamic predictability of voiding following incontinence surgery. Bhatia NN, et al. **Obstet Gynecol** 1984 Jan; 63(1):85–91

Urethral pressure changes during voiding. Miyagawa I. **Tohoku J Exp Med** 1984 Apr;142(4):467–8

Female urethral syndrome: clinical and urodynamic perspectives. Barbalias GA, et al. **Urology** 1984 Feb; 23(2):108–12

'Timed voiding'—a useful tool in the treatment of urinary incontinence. Godec CJ. **Urology** 1984 Jan;23(1):97–100

Measurement of urinary flow rate. Ryall RL, et al. **Urology** 1983 Nov;22(5):556–64

Normal urinary flow for girls aged 3–14 years. Pompino HJ, et al. **Z Kinderchir** 1983 Jun;38(3):177–81

[A case of a spontaneously formed reservoir of urine at the site of the removal of the bladder] Tachev S, et al. **Khirurgiia (Sofiia)** 1984;37(3):231–3 **(Bul)**

[Bladder contraction. Physiopathology, therapeutic effects. I. The bladder muscle. Structure. Electrical properties. Intrinsic regulation] Plante P. **J Urol (Paris)** 1983; 89(5):287–94 (Eng. Abstr.) **(Fre)**

[Posturination bladder residue in the diabetic patient (letter)] Bonhomme C. **Presse Med** 1983 Nov 19;12(42):2701 **(Fre)**

[Cases of death as a result of micturition syncopes] Gerlach D. **Beitr Gerichtl Med** 1984;42:143–53 (Eng. Abstr.) **(Ger)**

[Micturition syncope] Lambiase M, et al. **Acta Neurol (Napoli)** 1984 Feb;6(1):60–77 (Eng. Abstr.) **(Ita)**

[Radical operation for rectal cancer to preserve anorectal, urinary and sexual function] Kodaira S, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):674–9 (Eng. Abstr.) **(Jpn)**

[A new device for voiding cystourethrography: a VCU pot] Araki T, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1631–4 (Eng. Abstr.) **(Jpn)**

[Continence mechanism. 2. Localization of alpha– and beta–receptors in the ureter of mongrel female dogs] Kamura K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):812–20 (Eng. Abstr.) **(Jpn)**

[The continence mechanism. 1. Functional urethral length necessary for continence] Nakayama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):384–9 (Eng. Abstr.) **(Jpn)**

[Urethral behaviors during micturition reflex on the decerebrated female dog] Noto H. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):104–17 (Eng. Abstr.) **(Jpn)**

[A study of the vesical electromyogram using carbon fiber electrodes. The correlation between the vesical electromyogram and cystometrogram] Takaiwa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):496–502 (Eng. Abstr.) **(Jpn)**

[Clinical study of the brain bladder. With special reference to the correlation between the side of brain lesions and the disturbance of micturition] Ueda T. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):197–210 (Eng. Abstr.) **(Jpn)**

[Management of micturitional disturbance in the patients with Shy–Drager syndrome. Part 1. Relation to the activity of daily living] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1837–43 (Eng. Abstr.) **(Jpn)**

[Introduction to the fluid dynamics study of the urethra] Alvarez Ortiz J, et al. **Actas Urol Esp** 1983 Sep–Oct; 7(5):333–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Urinary urgency and thyrotropin–releasing hormone. Bergman A, et al. **Am J Obstet Gynecol** 1984 Jan 1; 148(1):106–7

The inhibitory effect of opioid peptides and morphine applied intrathecally and intracerebroventricularly on the micturition reflex in the cat. Hisamitsu T, et al. **Brain Res** 1984 Apr 23;298(1):51–65

Further study of kappa opioids on increased urination. Leander JD. **J Pharmacol Exp Ther** 1983 Oct;227(1):35–41

Effect of enkephalin on the micturition cycle of the cat. Jubelin B, et al. **Life Sci** 1984 May 21;34(21):2015–27

Sensory substance P–innervation of the urinary bladder: possible site of action of capsaicin in causing urine retention in rats. Sharkey KA, et al. **Neuroscience** 1983 Nov; 10(3):861–8

Effects of mu– and kappa–opioid receptor agonists on urinary output in mice. Rathbun RC, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):863–6

URINATION DISORDERS

CHEMICALLY INDUCED

Comparison of some postanaesthetic effects of atropine and glycopyrrolate with particular emphasis on urinary problems. Orko R, et al. **Acta Anaesthesiol Scand** 1984 Feb; 28(1):112–5

[Disturbance of micturition, a harmless side effect of subdural regional anesthesia?] Lehmann C, et al. **Anasth Intensivther Notfallmed** 1983 Dec;18(6):316–9 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Small bowel obstruction [letter] Reece-Smith H, et al. **Br J Surg** 1984 Jan;71(1):82

Diagnosis of coliform infection in acutely dysuric women [letter] Smith GW, et al. **N Engl J Med** 1983 Dec 1; 309(22):1393-4

Reflux and voiding abnormalities in children. Nasrallah PF, et al. **Urology** 1984 Sep;24(3):243-5

Subcapsular urinoma: unusual form of 'page kidney' in newborn. Patel MR, et al. **Urology** 1984 Jun;23(6):585-7

[Idiopathic retrograde ejaculation and anejaculation in the same patient, associated with dysergia of the external detrusor sphincter] Corrales Hernández JJ, et al. **Med Clin (Barc)** 1984 May 19;82(19):849-50 (Eng. Abstr.) **(Spa)**

CONGENITAL

Transient perinatal urinary retention: a cautionary note for the fetal surgeon. Farkas A, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):461-2

DIAGNOSIS

Lignocaine test and detrusor instability. Reuther K, et al. **Br J Urol** 1983 Oct;55(5):493-4

Clinical judgment in the diagnosis and management of frequency and dysuria in general practice. O'Dowd TC, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1347-9

Acute urinary retention. Blank BH. **J Fam Pract** 1984 Jun; 18(6):917-21

Retention of urine in women. Alam M. **J Indian Med Assoc** 1983 May;80(9-10):128-30

Acute dysuria in women [letter] **N Engl J Med** 1984 Jun 28;310(26):1744-6

Acute dysuria in women. Komaroff AL. **N Engl J Med** 1984 Feb 9;310(6):368-75 (106 ref.)

Residual urine in prostatism estimated by ultrasound scanning: a simple rule. Abrams PH, et al. **Radiography** 1983 Aug;49(584):194

Relationship between subjective complaints and urinary flow. Brooks ME, et al. **Urology** 1983 Oct;22(4):449-51

Voiding dysfunctions. Thon W, et al. **Urology** 1984 Apr; 23(4):323-30 (91 ref.)

[Symptoms and urodynamic findings in women with dysfunction of the lower urinary tract] Thind P, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1118-21 (Eng. Abstr.) **(Dan)**

[Sonographic diagnosis of urine flow disorders in childhood] Dinkel E, et al. **Ultraschall Med** 1983 Sep;4(3):166-73 (Eng. Abstr.) **(Ger)**

[Uroflow index--a formula for simplifying examination and the comparison of uroflow measurement curves in practice] Röhrborn C, et al. **Z Urol Nephrol** 1983 Nov;76(11):721-4 (Eng. Abstr.) **(Ger)**

[Disturbances of micturition as the presenting symptom of malignancy of the external female genitalia] Eisenkraft S, et al. **Harefuah** 1983 Mar 1;104(5):174-5 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

The use of desmopressin (DDAVP) for nocturia in women with multiple sclerosis. Hilton P, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):854-5

Management of dysuria in women [editorial] Van Scoy RE. **Mayo Clin Proc** 1984 Jun;59(6):436-7

Acute retention of urine due to benign prostatic obstruction treated with alpha-adrenergic blockers. Reuther K, et al. **Urol Int** 1984;39(2):114-5

[Conservative therapy of prostatic hyperplasia with urinary retention] Djulepa J. **Med Welt** 1983 Dec 2;34(48):1377-9 **(Ger)**

[Therapy of prostatic nycturia with standardized extractum radix urticae] Stahl HP. **ZFA (Stuttgart)** 1984 Jan 31; 60(3):128-32 **(Ger)**

[Clinical study on effect of local administration of amikacin for complicated cystitis accompanied by residual urine] Ueda K. **Hinyokika Kiyo** 1984 May;30(5):715-8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Impaired voiding efficiency and urinary retention after laparoscopic ventrosuspension ad modum steptoe. Lose G, et al. **Acta Obstet Gynecol Scand** 1984;63(4):371-2

Methamphetamine abuse presenting as dysuria following urethral insertion of tablets. Ellison JM, et al. **Ann Emerg Med** 1984 Mar;13(3):198-200

Epidermolysis bullosa with dysuria due to a cicatricial stricture of the preputial orifice [letter] Nomura K, et al. **Arch Dermatol** 1984 Sep;120(9):1141

Systemic herpes simplex virus type 2 infection. Proctitis, urinary retention, arthralgias, and meningitis in the absence of primary mucocutaneous lesions. White WB, et al. **Arch Intern Med** 1984 Apr;144(4):826-7

The frequency, causes and prevention of severe urinary dysfunction after radical hysterectomy. Kadar N, et al. **Br J Obstet Gynaecol** 1983 Sep;90(9):858-63

A survey of postoperative function after rectal anastomosis with circular stapling devices. McDonald PJ, et al. **Br J Surg** 1983 Dec;70(12):727-9

Multiple urethral calculi--an unusual cause of acute retention of urine. Shah PJ. **Br J Urol** 1983 Oct;55(5):573-4

Acute urinary retention. Ochsner MG. **Compr Ther** 1983 Aug;9(8):61-7

Persistent bladder dysfunction after surgical and combination therapy of cancer of the cervix uteri stages Ib and IIa. Kristensen GB, et al. **Gynecol Oncol** 1984 May;18(1):38-42

Acute urinary retention: a rare onset sign of ovarian cystic teratoma. Bosio M, et al. **Int J Pediatr Nephrol** 1983 Dec; 4(4):263-5

Ureteral duplication with a blind-ending branch. Gomula A, et al. **Int Urol Nephrol** 1983;15(4):317-21

Genitourinary problems in adolescence. Bauer SB. **J Reprod Med** 1984 Jun;29(6):385-90

Urodynamic studies before and/or after abdominoperineal resection of the rectum for carcinoma. Chang PL, et al. **J Urol** 1983 Nov;130(5):948-51

Posterior urethral valves causing urinary retention in an infant with duplication of the urethra. Fernbach SK, et al. **J Urol** 1984 Aug;132(2):353-5

Cervical uterine atresia with hematometra: a rare cause of urinary retention in a girl. Garat JM, et al. **J Urol** 1984 Oct;132(4):772-3

Re: Acute urinary retention in female patients: diagnosis and treatment [letter] Robinson G, et al. **J Urol** 1984 May; 131(5):985

The mechanism of unilateral post-obstructive diuresis. Schlossberg SM, et al. **J Urol** 1984 Mar;131(3):534-6

Complications of hypospadias repair. Shapiro SR. **J Urol** 1984 Mar;131(3):518-22

Bilateral cecoureteroceles causing urinary retention in the newborn. Sholder A, et al. **J Urol** 1983 Dec;130(6):1167-70

Vesicourethral dysfunction following pelvic visceral ablative surgery. Yalla SV, et al. **J Urol** 1984 Sep;132(3):503-9

Soap is the major cause of dysuria [letter] Ravnskov U. **Lancet** 1984 May 5;1(8384):1027-8

A case of vesical leiomyoma and acute urinary obstruction. Foster ME, et al. **Postgrad Med J** 1983 Jun;59(692):392-3

Voiding inability after transurethral resection of a bladder diverticulum. Schulze S, et al. **Scand J Urol Nephrol** 1983; 17(3):377-8

The urethral syndrome. Fihn SD, et al. **Semin Urol** 1983 May;1(2):121-9

Acute urinary retention in female patients [letter] Bergman H. **Urology** 1984 Jul;24(1):111

Urinary retention in female patients induced by adenocarcinoma of urethra. Godec CJ, et al. **Urology** 1984 Mar;23(3):256-9

Case profile: urinary retention due to fecal impaction in a child. Kaneti J, et al. **Urology** 1984 Mar;23(3):307

Retrovesical echinococcal cyst causing acute urinary retention. Selli C, et al. **Urology** 1983 Sep;22(3):284-5

[Urinary disorders in multiple sclerosis. Apropos of 47 cases] Brissot R, et al. **J Urol (Paris)** 1984;90(1):49-55 (Eng. Abstr.) **(Fre)**

[Male dysuria: urethritis or prostatitis?] Gueissaz N, et al. **Rev Med Suisse Romande** 1984 Mar;104(3):249-56 **(Fre)**

[Etiology of urinary sphincter disorders following cerebral vascular accidents] Thiry AJ, et al. **Sem Hop Paris** 1983 Sep 8;59(31):2173-7 (Eng. Abstr.) **(Fre)**

[The neurogenic factor in the origin of bladder dysfunction after abdomino-perineal amputation of the rectum by the Miles technic: urodynamic study of 25 patients] Aragona F, et al. **Ann Ital Chir** 1983;55(2):195-200 (Eng. Abstr.) **(Ita)**

[Functional changes of the lower urinary tract after radical interventions on the rectum] Rigatti P, et al. **Minerva Chir** 1983 Nov 30;38(22):1879-95 (Eng. Abstr.) **(Ita)**

[A case of leiomyoma of the urinary bladder in a woman with the chief complaint of total urinary retention] Nishimura K, et al. **Hinyokika Kiyo** 1984 Jan;30(1):41-8 (Eng. Abstr.) **(Jpn)**

[Clinical study of the brain bladder. With special reference to the correlation between the side of brain lesions and the disturbance of micturition] Ueda T. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):197-210 (Eng. Abstr.) **(Jpn)**

[Urination disorders after radical surgical treatment of rectal cancer] Gorokhov ME. **Urol Nefrol (Mosk)** 1984 May-Jun; (3):44-9 (Eng. Abstr.) **(Rus)**

[Urologic sequellae in rectal amputations for cancer] Conejero Sugrañes J, et al. **Actas Urol Esp** 1983 May-Jun; 7(3):187-94 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Antibodies to Tamm-Horsfall urinary glycoprotein in patients with urinary tract infection, reflux nephropathy, urinary obstruction and paraplegia. Lynn KL, et al. **Contrib Nephrol** 1984;39:296-304

MICROBIOLOGY

Urethral syndrome: a self limiting illness. O'Dowd TC, et al. **Br Med J [Clin Res]** 1984 May 5;288(6427):1349-52

PHYSIOPATHOLOGY

Neurourodynamic evaluation of voiding dysfunction in multiple sclerosis. Petersen T, et al. **Acta Neurol Scand** 1984 Jun;69(6):402-11

Non-obstructive detrusor failure. A urodynamic, electromyographic, neurohistochemical and autonomic study. Kirby RS, et al. **Br J Urol** 1983 Dec;55(6):652-9

Dysfunctional voiding in male and female patients. Gleason DM. **Hinyokika Kiyo** 1983 Aug;29(8):1009-13

Urodynamic abnormalities in neurologically normal children with micturition dysfunction. Webster GD, et al. **J Urol** 1984 Jul;132(1):74-7

The urodynamic aspects of the Guillain-Barré syndrome. Wheeler JS Jr, et al. **J Urol** 1984 May;131(5):917-9

Voiding disorders of childhood. Pillen T, et al. **Nebr Med J** 1984 Feb;69(2):39-42

[Bladder contraction. II. Biomechanical analysis of bladder contraction] Plante P. **J Urol (Paris)** 1983;89(7):461-82 **(Fre)**

[Functional pathology of the lower urinary tract in children] Locquet P, et al. **LARC Med** 1983 Dec;3(10):697-8, 700-2 (Eng. Abstr.) **(Fre)**

[Determination and modification of ureteral motility with drugs] Philipp K. **Fortschr Med** 1983 Sep 22;101(36):1621-5 **(Ger)**

[Urodynamics. IV: Combination uroflowmetry/cystometry] Festge OA, et al. **Z Urol Nephrol** 1984 Jan;77(1):47-53 **(Ger)**

[Urodynamic evaluation of aged patients with prostatism] Arena G, et al. **Minerva Urol** 1983 Oct-Dec;35(4):285-8 (Eng. Abstr.) **(Ita)**

[Structure of nocturnal sleep in functional urination disorders in children] Glybin AS, et al. **Pediatriia** 1983 Oct;(10):36-40 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of post-hysterectomy urinary retention by alpha-adrenergic blocker. Livne PM, et al. **Acta Obstet Gynecol Scand** 1983;62(4):337-40

Prevention of urinary retention with phenoxybenzamine during epidural morphine. Evron S, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):190

Prevention of urinary retention with phenoxybenzamine during epidural morphine [letter] Murray K. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):645-6

RADIOGRAPHY

[Our experience with urethrocystography in patients with urination disorders after prostatectomy] Atler J, et al. **Pol Tyg Lek** 1984 Feb 20;39(8):249-52 (Eng. Abstr.) **(Pol)**

SURGERY

A controlled trial of otis urethrotomy. Choa RG, et al. **Br J Urol** 1983 Dec;55(6):694-7

Cryosurgery for the urethral syndrome. Boreham P. **J R Soc Med** 1984 Feb;77(2):111-3

Operations on previously operated patients with hypospadias. Frick J, et al. **Prog Pediatr Surg** 1984;17:57-63

[Transurethral anterior sphincterotomy on spinal cord injury patients] Komine S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):566-75 (Eng. Abstr.) **(Jpn)**

THERAPY

EMG biofeedback for functional bladder-sphincter dyssynergia: a case study. Libo LM, et al. **Biofeedback Self Regul** 1983 Jun;8(2):243-53

An algorithm for the management of postoperative urinary retention. Tulloch AG. **Br J Surg** 1984 Aug;71(8):638-9

Practical management of patients with dilated upper tracts and chronic retention of urine. George NJ, et al. **Br J Urol** 1984 Feb;56(1):9-12

Bladder training--3 years on. Holmes DM, et al. **Br J Urol** 1983 Dec;55(6):660-4

Management of chronic urinary retention [editorial] Mitchell JP. **Br Med J [Clin Res]** 1984 Sep 1;289(6444):515-6 (8 ref.)

Palliative urinary conduit diversion in cases of intolerable urinary discomfort. Lyndrup J, et al. **Gynecol Oncol** 1983 Dec;16(3):360-4

Treatment of excessive urinary frequency and urgency by desensitization and progressive retention training. Rovetto FM. **J Behav Ther Exp Psychiatry** 1983 Jun;14(2):155-9

Intermittent clean catheterization: an alternative to diversion in continent transplant recipients with lower urinary tract dysfunction. Flechner SM, et al. **J Urol** 1983 Nov; 130(5):878-81

Frequency and dysuria in women; the tip of an iceberg. O'Dowd TC. **Practitioner** 1984 Aug;228(1394):711-5

Management of hypotonic and atonic urinary bladders in cats. Lees GE, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May;14(3):641-7

[Conservative treatment of functional disorders of the lower urinary tract] Frohneberg D, et al. **Gynakologe** 1983 Dec; 16(4):206-13 (57 ref.) **(Ger)**

[Management of micturitional disturbance in the patients with Shy-Drager syndrome. Part 2: Results of self catheterisation, uropharmacotherapy and transurethral resection of bladder neck] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1844-50 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical rationale for ultrasonic therapy of functional urination disorders in children] Tereshchenko AV, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):20-5 (Eng. Abstr.) **(Rus)**

[Catheterization of the urinary bladder in complete urine retention--cause of error] Negrojević M, et al.

Med Pregl 1984;37(1-2):21-2 (Eng. Abstr.) (Scr)

VETERINARY

Simultaneous cystometry and uroflowmetry for evaluation of micturition in two dogs. Moreau PM, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1084-8

URINE

see related
ALBUMINURIA
ALKAPTONURIA
AMINOACIDURIA, RENAL
ANURIA
BACTERIURIA
CYSTINURIA
GLYCOSURIA
HEMATURIA
HEMOGLOBINURIA
MAPLE SYRUP URINE DISEASE
PHENYLKETONURIA
POLYURIA
PROTEINURIA
PYURIA

The pathogenesis of chyluria: retroperitoneal lymphangiectasis. Lu GC, et al. **Acta Acad Med Wuhan** 1983;3(4):219-22

Quantitative immunoelectrophoretic analysis of rat allergen extracts. II. Fur, urine and saliva studied by crossed radio-immunoelectrophoresis. Walls AF, et al. **Allergy** 1983 Oct;38(7):501-12

Evaluation of ames Multistix-SG for urine specific gravity versus refractometer specific gravity. Adams LJ. **Am J Clin Pathol** 1983 Dec;80(6):871-3

Further evaluation of a specific gravity test strip [letter] Cornbleet PJ, et al. **Am J Clin Pathol** 1984 Apr;81(4):545-6

In defense of a colorimetric reagent strip assay for urine specific gravity [letter] Phillips RN, et al. **Am J Clin Pathol** 1984 Apr;81(4):540-2

Contribution of fetal urine to amniotic fluid surfactant pool [letter] Nelson GH. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):834-5

Suppression of distal urinary acidification after recovery from chronic hypocapnia. Batlle DC, et al. **Am J Physiol** 1983 Oct;245(4):F433-42

Application of the disequilibrium pH method to investigate the mechanism of urinary acidification. DuBose TD Jr. **Am J Physiol** 1983 Nov;245(5 Pt 1):F535-44 (55 ref.)

Male mouse (Mus musculus) ultrasonic vocalizations to female urine: why is heterosexual experience necessary? Nyby J, et al. **Behav Neural Biol** 1983 May;38(1):32-46

More on testing relative density of urine with a reagent strip [letter] Dannehower L, et al. **Clin Chem** 1984 Sep; 30(9):1584-5

Determining specific gravity of urine with reagent sticks [letter] Luft FC, et al. **Clin Chem** 1984 Apr;30(4):582-3

Environmental effects on urinary volumes, biochemical constituents and their inter-relation. Bell JL, et al. **Clin Chim Acta** 1983 Dec 30;135(3):293-9

Scintigraphic assessment of perivesical urinary extravasation following renal transplantation. Bushnell DL, et al. **Clin Nucl Med** 1984 Feb;9(2):92-6

Cecae of desert quail: importance in modifying the urine. Anderson GL, et al. **Comp Biochem Physiol [A]** 1984; 78(1):91-4

Bone scintigraphy and postoperative ureteropelvic urine extravasation. Lecklitner ML, et al. **Eur J Nucl Med** 1983; 8(8):346-7

A time-course study on the mutagenicity of smoker's urine. Kobayashi H, et al. **Gann** 1984 Jun;75(6):489-93

Male acceleration of puberty in female mice (Mus musculus). Drickamer LC. **J Comp Psychol** 1983 Sep;97(3):191-200

Novel device for quantitatively collecting small volumes of urine from laboratory rats. Jackson AJ, et al. **J Pharm Sci** 1984 Jun;73(6):816-8

Effects of female urine on growth and sexual maturation in male rabbits. Bell DJ, et al. **J Reprod Fertil** 1984 May; 71(1):155-60

Seasonal variation in acceleration and delay of sexual maturation in female mice by urinary chemosignals. Drickamer LC. **J Reprod Fertil** 1984 Sep;72(1):55-8

Ureaplasma urealyticum-induced crystallization of magnesium ammonium phosphate and calcium phosphates in synthetic urine. Grenabo L, et al. **J Urol** 1984 Oct; 132(4):795-9

Phenytoin and red urine [letter] Rosenberg JW. **JAMA** 1983 Oct 14;250(14):1842-3

Ureteral ejaculation of urine visualized by ultrasound. Elejalde BR, et al. **JCU** 1983 Nov-Dec;11(9):475-6

Laboratory animal allergy: the measurement of airborne urinary allergens and the effects of different environmental conditions. Edwards RG, et al. **Lab Anim** 1983 Jul; 17(3):235-9

The protective effect of auto-immune buccal urine therapy (AIBUT) against the Raynaud phenomenon. Wilson CW. **Med Hypotheses** 1984 Jan;13(1):99-107

Use of single voided urine samples to estimate quantitative proteinuria. Ginsberg JM, et al. **N Engl J Med** 1983 Dec 22;309(25):1543-6

Study of urinary specific gravity by reagent strip method. Ito K, et al. **Tokai J Exp Clin Med** 1983 Jul;8(3):247-55

Alfred N. Richards and the discovery of the mechanism of urine formation. Cooper DY. **Trans Stud Coll Physicians Phila** 1984 Mar;6(1):63-73

Embolization of kidney: treatment for laceration of ureter producing intractable urinary ascites. Abaskaron M, et al. **Urology** 1984 Mar;23(3):299-300

[Problems in urinomas] Rehulka M, et al. **Rozhl Chir** 1983 Oct;62(10):694-700 (Eng. Abstr.) (Cze)

[Kidney lesions and hypertension] de Graeff A, et al. **Ned Tijdschr Geneeskd** 1984 Feb 18;128(7):303-5 (Eng. Abstr.) (Dut)

[Estimation of urinary density using a simple reagent strip (letter)] Tolani M, et al. **Presse Med** 1984 Apr 14; 13(16):1008 (Fre)

[Urinary extravasation diagnosed by the delayed image of 99mTc-DTPA renal scintigraphy. Case report] Taki J, et al. **Kaku Igaku** 1984 Feb;21(2):191-4 (Jpn)

[Blood and urine indices during physiologic pregnancy and the postpartum period] Balika IuD, et al. **Akush Ginekol (Mosk)** 1984 Mar;(3):23-6 (Eng. Abstr.) (Rus)

ANALYSIS

The advanced urine chemistry survey. Glenn GC. **Am J Clin Pathol** 1983 Oct;80(4 Suppl):570-6

Unnecessary microscopy in routine urinalysis. Valenstein PN, et al. **Am J Clin Pathol** 1984 Oct;82(4):444-8

Investigating the indigo drainage bag. Wagner GE, et al. **Am J Nurs** 1984 Feb;84(2):180

Analysis of nanoliter biological samples. Bowman RL, et al. **Anal Chem** 1984 Mar;56(3):391A-392A, 396A, 398A passim

Houseofficer proficiency in urinalysis and sputum gram stains [letter] Goldenberg DL, et al. **Ann Intern Med** 1984 Jul; 101(1):139

Medical results from STS 1-4: analysis of body fluids. Leach CS. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 2):S50-4

Mexiletine disposition: individual variation in response to urine acidification and alkalinisation. Mitchell BG, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):281-4

Urinary mutagenicity assays: a problem arising from the presence of histidine associated growth factors in XAD-2 prepared urine concentrates, with particular relevance to assays carried out using the bacterial fluctuation test. Gibson JF, et al. **Carcinogenesis** 1983 Nov;4(11):1471-6

Assessment of a solid-phase reagent for urinary specific gravity determination. Chu SY, et al. **Clin Biochem** 1984 Feb;17(1):34-6

Use of high-resolution proton nuclear magnetic resonance spectroscopy for rapid multi-component analysis of urine. Bales JR, et al. **Clin Chem** 1984 Mar;30(3):426-32

Further discussion of a urine specific gravity test strip [letter] Kirschbaum BB. **Clin Chem** 1984 Jan;30(1):161

Collection and handling of 24-hour urine specimens for measurement of analytes related to renal calculi. Ng RH, et al. **Clin Chem** 1984 Mar;30(3):467-71

Simple method for sampling consecutive 24-hour urine for epidemiological and clinical studies. Yamori Y, et al. **Clin Exp Hypertens [A]** 1984;6(6):1161-7

Is urine a suitable material for the preliminary screening of drugs in autopsy cases? Thelander G, et al. **Forensic Sci Int** 1983 Aug-Sep;22(2-3):189-94

Evaluation of ammonium chloride as a urinary acidifier in the cat. Taton GF, et al. **J Am Vet Med Assoc** 1984 Feb 15;184(4):433-6

Headspace sampling and GC analysis of volatile urinary metabolites. Cert A, et al. **J Chromatogr Sci** 1984 Jan; 22(1):7-11

Evolution of a national urine quality assurance programme: the Australasian experience, 1981-1983. Shephard MD, et al. **J Clin Pathol** 1984 Apr;37(4):415-23

Development of a radial gel diffusion technique for the identification of urea in urine stains. Bedrosian JL, et al. **J Forensic Sci** 1984 Apr;29(2):601-6

Assessment of proteinuria using random urine samples. Houser M. **J Pediatr** 1984 Jun;104(6):845-8

Dipstick chemical urinalysis: an accurate cost-effective screening test. Mariani AJ, et al. **J Urol** 1984 Jul; 132(1):64-6

Urinalysis. Ford GH. **Mod Vet Pract** 1982 Sep;63(9):741-2

Obtaining samples for the laboratory. Ruehl WW, et al. **Mod Vet Pract** 1984 Feb;65(2):103-6

Application of urine mutagenicity to monitor coal liquefaction workers. Recio L, et al. **Mutat Res** 1984 Jun; 136(3):201-7

Circadian urinary excretory patterns in an Antarctic environment. Pascoe JG, et al. **NZ Med J** 1984 Aug 22; 97(762):553-6

Distribution of haematological, serum and urine values in a general population of middle-aged men. The Reykjavik Study. Björnsson OJ, et al. **Scand J Soc Med [Suppl]** 1984; 32:1-12

Effect of different fractions of macromolecules upon triggering of calcium oxalate and calcium phosphate crystal formation in whole urine. Rose GA, et al. **Urol Int** 1984; 39(3):147-9

[The importance of spectrophotometric examination of urine in the differential diagnosis of respiratory disorders in newborn infants] Zapadlo M, et al. **Cesk Pediatr** 1983 Dec; 38(12):717-20 (Eng. Abstr.) (Cze)

[Sonographic determination of residual urine] Rageth JC, et al. **Helv Chir Acta** 1983 Jun;50(3):301-5 (Eng. Abstr.) (Ger)

[Methodological aspects of urinary enzymology] Maruhn D. **Z Gesamte Inn Med** 1983 Nov 1;38(21):557-64 (107 ref.) (Eng. Abstr.) (Ger)

[The value of the Emit-dau system in the examination of cadaveric urine] Szathmary S, et al. **Z Rechtsmed** 1984; 92(2):101-7 (Eng. Abstr.) (Ger)

[Influence of variations of posture and of the period of urine collection on total proteinuria and albuminuria] Buzio C, et al. **Minerva Nefrol** 1983 Jul-Sep;30(3):157-64 (Eng. Abstr.) (Ita)

[Diurnal variations in urinary components and their adjustment with creatinine] Koizumi N, et al. **Nippon Eiseigaku Zasshi** 1983 Aug;38(3):667-76 (Eng. Abstr.) (Jpn)

[Enhancement of urinary bladder carcinogenesis by the rat urine fractionated by molecular weight] Babaya K. **Nippon Hinyokika Gakkai Zasshi** 1984 Mar;75(3):355-66 (Eng. Abstr.) (Jpn)

[Titration-curve analysis of the urine. 1. Studies on urinary acidification] Nakajima H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):733-43 (Eng. Abstr.) (Jpn)

[Clinical significance of the panic values in emergency laboratory tests--urine examination] Tomita S. **Rinsho Byori** 1983 Dec;31 Suppl:164-6 (Jpn)

[Evaluation of various urine-acidifying agents] Kwieciński R, et al. **Wiad Lek** 1983 Nov 15;36(22):1851-4 (Eng. Abstr.) (Pol)

[Use of dried samples of biological material in screening for hereditary metabolic defects] Iakovenko LP, et al. **Lab Delo** 1983;(10):16-9 (Eng. Abstr.) (Rus)

[Experience in the use of the 'Urotron' device for objective registration of the results of urine studies] Men'shikov VV, et al. **Lab Delo** 1984;(2):84-6 (Rus)

[Clinical use of gas chromatography on capillary columns and mass spectrometry to analyze metabolites in the urine of premature infants] Iatsyk GV, et al. **Pediatriia** 1983 Sep; (9):31-2 (Rus)

CYTOLOGY

Urinary cytodiagnosis of renal involvement in disseminated histiocytic lymphoma. Cheson BD, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):148-52

An improved and simplified method for combined light and scanning electron microscopy in human urinary cytology. Kumon H, et al. **Acta Cytol (Baltimore)** 1984 Jul-Aug; 28(4):503-8

Benign squamous cells with pleomorphic microvilli in urine or bladder washings. Suzuki T, et al. **Acta Cytol (Baltimore)** 1983 Sep-Oct;27(5):497-9

Renal epithelial fragments in urine from a nephrostomized patient: a case report. Schumann GB, et al. **Am J Med Technol** 1983 Jul;49(7):503-7

The use of hierarchic classification in the image analysis of a complex cell population. Experience with the sediment of voided urine. Koss LG, et al. **Anal Quant Cytol** 1983 Sep;5(3):159-66

Routine microscopic examination of the urine sediment. Should we continue? Nanji AA, et al. **Arch Pathol Lab Med** 1984 May;108(5):399-400

Value of urine microscopy in predicting histological changes in the kidney: double blind comparison. György AZ, et al. **Br Med J [Clin Res]** 1984 Mar 17;288(6420):819-22

Urinary cytology and bladder cancer. The cellular features of transitional cell neoplasms. Murphy WM, et al. **Cancer** 1984 Apr 1;53(7):1555-65

Urinary erythrocyte morphology in the diagnosis of glomerular hematuria. Birch DF, et al. **Clin Nephrol** 1983 Aug;20(2):78-84

Soft-agar cultures of transitional cell carcinoma colonies from urine, irrigation fluids and tumor samples. Kirkels WJ, et al. **Eur Urol** 1983;9(5):300-4

The diagnostic value of sperm in post-ejaculatory urine. Weissenberg R, et al. **Int J Androl** 1984 Apr;7(2):142-8

A combined light and scanning electron microscopy on human urinary cytology. Kumon H, et al. **J Electron Microsc (Tokyo)** 1983;32(1):27-32

In vitro attachment of Escherichia coli to human uroepithelial cells: variation in receptivity during the menstrual cycle and pregnancy. Reid G, et al. **J Infect Dis** 1983 Sep;148(3):412-21

Physicochemical characterization of the urinary lipid from humans with nephrotic syndrome. Martin RS, et al. **J Lab Clin Med** 1984 May;103(5):798-810

Surveillance of stage O, grade I bladder cancer by cytology alone--is it acceptable? Morrison DA, et al. **J Urol** 1984 Oct;132(4):672-4

Evaluation of bladder washings and urine cytology in the diagnosis of bladder cancer and its correlation with selected biopsies of the bladder mucosa. Zein T, et al. **J Urol** 1984 Oct;132(4):670-1

Urinary cytology of rhabdomyosarcoma in children. Report of two cases located in the urinary bladder and in the prostate. Mincione GP, et al. **Pathologica** 1983 Nov-Dec; 75(1040):797-801

Flow-cytophotometric studies on urine sediments of patients treated with anti-cancer-drugs. Schwabe HW, et al. **Urol Res** 1983;11(4):159-62

Correlation of ABH antigenicity and urine cytology results in transitional cell carcinoma of bladder. Gorelick JI, et al. **Urology** 1984 Sep;24(3):287-90

Urinary cytology: a twelve-year review. Schuldheisz KD. **Wis Med J** 1984 Apr;83(4):27-30

[Exfoliative cytology from the urinary tract of workers exposed to benzidine—a 4-year observation] Qi RR. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):187-9 (Eng. Abstr.) **(Chi)**

[Use of a vinyl glue in urinary cytology] Bertrand G, et al. **Arch Anat Cytol Pathol** 1984;32(1):42-4 (Eng. Abstr.) **(Fre)**

[Detection of a malignant abdominal lymphoma by urine cytology] Mincione GP. **Fortschr Med** 1984 Feb 16; 102(7):155-7 (Eng. Abstr.) **(Ger)**

[Value of urine cytology in the diagnosis of tumors of the kidney pelvis] Pilorz H, et al. **Urologe [Ausg A]** 1983 Sep; 22 Suppl:379-81 (Eng. Abstr.) **(Ger)**

[Nomogram for the evaluation of blood cell excretion in the urine] Wilhelm G. **Z Arztl Fortbild (Jena)** 1983;77(16):693 **(Ger)**

[The role of urinary cytology in the diagnosis of neoplasms of the upper excretory tract. Cyto-histological correlations in 29 cases] Mincione GP, et al. **Pathologica** 1983 Mar-Apr; 75(1036):181-6 (Eng. Abstr.) **(Ita)**

[Semiquantitative determination of leukocyturia, a necessary complement to urine culture] Bovelacci A, et al. **Quad Sclavo Diagn** 1983 Mar;19(1):141-6 (Eng. Abstr.) **(Ita)**

[Laboratory diagnosis in clinical renal transplants. III. Exfoliative urinary cytology in immunologic complications] Stella F, et al. **Quad Sclavo Diagn** 1983 Dec; 19(4):523-32 (Eng. Abstr.) **(Ita)**

[Laboratory diagnosis in clinical renal transplants. II. Exfoliative urinary cytology in non-immunologic complications] Stella F, et al. **Quad Sclavo Diagn** 1983 Dec; 19(4):507-22 (Eng. Abstr.) **(Ita)**

[Laboratory diagnosis in kidney transplants. I. Exfoliative urinary cytology] Stella F, et al. **Quad Sclavo Diagn** 1982 Dec;18(4):422-32 (15 ref.) (Eng. Abstr.) **(Ita)**

[Clinical study of urinary cytology: with special reference to bladder cancer] Nemoto S, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1611-5 (Eng. Abstr.) **(Jpn)**

[Phagocytic function of urinary leukocytes] Maeda S. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1821-36 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

RAST with animal dander, urine, saliva and serum. Berrens L, et al. **Ann Allergy** 1983 Nov;51(5):543-6

METABOLISM

Effect of lanthanum on urinary acidification and sodium transport by the turtle and toad bladder. Sabatini S, et al. **Miner Electrolyte Metab** 19[illegible];10(1):12-20

MICROBIOLOGY

Clinical significance of mixed bacterial cultures of urine. Bartlett RC, et al. **Am J Clin Pathol** 1984 Sep;82(3):319-22

Clinical laboratory evaluation of a bacteriuria detection device for urine screening. Davis JR, et al. **Am J Clin Pathol** 1984 Jan;81(1):48-53

Urine screening strategy employing dipstick analysis and selective culture: an evaluation. Loo SY, et al. **Am J Clin Pathol** 1984 May;81(5):634-42

Presumptive identification of Staphylococcus saprophyticus from urine specimens by colony appearance and coagulase testing: an evaluation. Loo SY, et al. **Am J Clin Pathol** 1984 May;81(5):647-50

Evaluation of the MS-2 and Lumac systems for the rapid screening of urine specimens. Welch WD, et al. **Am J Clin Pathol** 1984 May;81(5):629-33

The clinical significance of candidal casts. Gregory MC, et al. **Am J Kidney Dis** 1984 Sep;4(2):179-84

Is the clean-catch midstream void procedure necessary for obtaining urine culture specimens from men? Lipsky BA, et al. **Am J Med** 1984 Feb;76(2):257-62

Bacterial interference with urine osmolality measurements. Mitchell EK, et al. **Clin Biochem** 1983 Aug;16(4):259-60

Use of the Becton-Dickinson urine culture tube with the Abbott MS-2 urine screening system. Southern PM Jr, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):193-8

Identification of fungal casts in a patient with renal candidiasis. Argyle C, et al. **Hum Pathol** 1984 May; 15(5):480-1

A urine collector for separating the initial, midstream and final portions of voided urine in infancy and early childhood. Kenda RB, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):201-4

Rapid detection of cytomegalovirus in MRC-5 cells inoculated with urine specimens by using low-speed centrifugation and monoclonal antibody to an early antigen. Gleaves CA, et al. **J Clin Microbiol** 1984 Jun;19(6):917-9

Abbreviated scheme for presumptive identification of Staphylococcus saprophyticus from urine cultures. Morgan JW. **J Clin Microbiol** 1983 Nov;18(5):1272-4

Evaluation of liquid and lyophilized preservatives for urine culture. Weinstein MP. **J Clin Microbiol** 1983 Oct; 18(4):912-6

Semiautomated method for quantitative urine culture. Edmondson SG, et al. **J Clin Pathol** 1984 Jul;37(7):831-3

A mechanised batch screening method for the detection of bacteriuria. Kerfoot P, et al. **J Clin Pathol** 1983 Nov; 36(11):1318-9

Detection of human cytomegalovirus in clinical specimens by DNA-DNA hybridization. Spector SA, et al. **J Infect Dis** 1984 Jul;150(1):121-6

The prevalence of cytomegalovirus viruria among hospitalized children and the risk of cytomegalovirus acquisition by nurses [letter] Adler SP. **N Engl J Med** 1984 May 24;310(21):1388

Virological and immunological study of 20 patients with Balkan endemic nephropathy. Voiculescu C, et al. **Virologie** 1983 Jul-Sep;34(3):203-11

Immunoperoxidase staining of leptospires in blood and urine. Terpstra WJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Jul; 254(4):534-9

Bactericidal activity of antimicrobial drugs in simulated urine specimens at various temperatures of incubation. Traub WH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Nov;255(4):494-502

[Urine culture and antibiogram in 2 different populations (ambulatory and hospitalized). Considerations on 2155 tests performed consecutively] Monaci E, et al. **Quad Sclavo Diagn** 1983 Jun;19(2):285-95 (Eng. Abstr.) **(Ita)**

[Radioimmunological method for determining Pseudomonas aeruginosa in the urine of urological patients] Zueva LP, et al. **Med Radiol (Mosk)** 1984 Jul;29(7):65-6 **(Rus)**

[A rapid process for quantitative urine culture in a 24-hour period] Santos MA, et al. **Bol Med Hosp Infant Mex** 1983 Jun;40(6):296-8 (Eng. Abstr.) **(Spa)**

[Urinary tract infection. Rules of the Nephrology Branch of the Chilean Society of Pediatrics] **Rev Chil Pediatr** 1983 Mar-Apr;54(2):139-41 **(Spa)**

PARASITOLOGY

Cytologic detection of Enterobius vermicularis and Strongyloides stercoralis in routine cervicovaginal smears and urocytograms. Avram E, et al. **Acta Cytol (Baltimore)** 1984 Jul-Aug;28(4):468-70

Time of collection of specimens for Schistosoma haematobium egg counts [letter] Wilkins HA, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):278

PHYSIOLOGY

Urinary and hemodynamic responses to blood volume changes in fetal sheep. Schröder H, et al. **J Dev Physiol** 1984 Apr;6(2):131-41

SECRETION

Relationship of dietary crude protein to composition of uterine secretions and blood in high-producing postpartum dairy cows. Jordan ER, et al. **J Dairy Sci** 1983 Sep; 66(9):1854-62

URINE CONCENTRATING ABILITY see **KIDNEY CONCENTRATING ABILITY**

UROBILIN

ANALYSIS

[Isolation of the D-urobilin fraction from blood and urine for differential diagnosis of hepatic and subhepatic jaundice] Sorinson SN, et al. **Lab Delo** 1984;(6):360-2 (Eng. Abstr.) **(Rus)**

UROBILINOGEN

URINE

[Diagnostic significance of the increase of the urobilinogen level in the urine in incompetence of the duodenal stump] Nikolov I. **Khirurgiia (Mosk)** 1983 Oct;(10):124-5 **(Rus)**

UROCANASE see under **HYDRO-LYASES**

UROCANIC ACID see under **IMIDAZOLES**

UROCHORDATA

Spatial distribution of messenger RNA in the cytoskeletal framework of ascidian eggs. Jeffery WR. **Dev Biol** 1984 Jun;103(2):482-92

ANALYSIS

Removal of troponin C and desensitization of myosin B from ascidian smooth muscle by treatment with ethylene diamine tetraacetate. Miyakawa I, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):57-65

CYTOLOGY

Methionine-enkephalin-like immunoreactivity in the nervous ganglion and the ocellary of a protochordate, Ciona intestinalis. Georges D, et al. **Cell Tissue Res** 1984; 236(1):165-70

Separation and labeling of specific subpopulations of Botryllus blood cells. Schlumpberger JM, et al. **J Exp Zool** 1984 Mar;229(3):401-11

EMBRYOLOGY

A rapid increase in acetylcholinesterase mRNA during ascidian embryogenesis as demonstrated by microinjection into Xenopus laevis oocytes. Perry HE, et al. **Cell Differ** 1983 Nov;13(3):233-8

Electrical response to fertilization in ascidian oocytes. Dale B, et al. **Dev Biol** 1983 Sep;99(1):188-93

Autonomous muscle cell differentiation in partial ascidian embryos according to the newly verified cell lineages. Deno T, et al. **Dev Biol** 1984 Aug;104(2):322-8

Periodic appearance and disappearance of microvilli associated with cleavage cycles in the egg of the ascidian, Halocynthia roretzi. Satoh N, et al. **Dev Biol** 1984 Apr; 102(2):488-92

Tracing of cell lineage in embryonic development of Phallusia mammillata (Ascidia) by vital staining of mitochondria. Zalokar M, et al. **Dev Biol** 1984 Mar; 102(1):195-205

Quantitative regulation of acetylcholinesterase development in the muscle lineage cells of cleavage-arrested ascidian embryos. Whittaker JR. **J Embryol Exp Morphol** 1983 Aug; 76:235-50

Ascidian one-half embryos can develop into functional adult ascidians. Nakauchi M, et al. **J Exp Zool** 1983 Jul; 227(1):155-8

ENZYMOLOGY

Purification and characterization of an alpha-mannosidase of sea-squirt. Shigeta S, et al. **J Biochem (Tokyo)** 1983 Dec; 94(6):1827-32

N-Benzyloxycarbonyl-valyl-prolinal, a potent inhibitor of post-proline cleaving enzyme. Yokosawa H, et al. **J Biochem (Tokyo)** 1984 Jun;95(6):1819-21

Isolation and characterization of a post-proline cleaving enzyme and its inhibitor from sperm of the ascidian, Halocynthia roretzi. Yokosawa H, et al. **J Biochem (Tokyo)** 1983 Oct;94(4):1067-76

Purification and characterization of two types of trypsin-like enzymes from sperm of the ascidian (Prochordata) Halocynthia roretzi. Evidence for the presence of spermosin, a novel acrosin-like enzyme. Sawada H, et al. **J Biol Chem** 1984 Mar 10;259(5):2900-4

GROWTH & DEVELOPMENT

Localization of actin messenger RNA during early ascidian development. Jeffery WR, et al. **Dev Biol** 1983 Oct; 99(2):408-17

Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. I. Up to the eight-cell stage. Nishida H, et al. **Dev Biol** 1983 Oct;99(2):382-94

IMMUNOLOGY

[The correlation between crude and purified sea-squirt antigens and histamine release in sea-squirt asthma] Tanifuji K, et al. **Arerugi** 1984 Feb;33(2):78-82 (Eng. Abstr.) **(Jpn)**

METABOLISM

Myosin and actin from ascidian smooth muscle and their interaction. Obinata T, et al. **Comp Biochem Physiol [B]** 1983;76(3):437-42

Immunocytochemical demonstration of prolactin-like activity in the neural gland of the ascidian Styela plicata. Pestarino M. **Gen Comp Endocrinol** 1984 Jun;54(3):444-9

PHYSIOLOGY

Degenerative regression of the digestive tract in the colonial ascidian Botryllus schlosseri (Pallas). Burighel P, et al. **Cell Tissue Res** 1984;235(2):309-18

Sperm-activated channels in ascidian oocytes. Dale B, et al. **Dev Biol** 1984 Jan;101(1):235-9

Spontaneous action potentials and resting potential shifts in fertilized eggs of the tunicate Clavelina. Thompson S, et al. **Dev Biol** 1983 Sep;99(1):121-31

A thermodynamic study of sperm-egg interaction. Elia V, et al. **EMBO J** 1983;2(11):2053-8

A fucosyl glycoprotein component with sperm receptor and sperm-activating activities from the vitelline coat of Ciona intestinalis eggs. De Santis R, et al. **Exp Cell Res** 1983 Oct 15;148(2):508-13

Comparison of properties of calcium channels between the differentiated 1-cell embryo and the egg cell of ascidians. Hirano T, et al. **J Physiol (Lond)** 1984 Feb;347:327-44

Determination of excitability types in blastomeres of the cleavage-arrested but differentiated embryos of an ascidian. Hirano T, et al. **J Physiol (Lond)** 1984 Feb;347:301-25

ULTRASTRUCTURE

The apical structure in Perophora annectens (tunicate) spermatozoa: fine structure, differentiation and possible role in fertilization. Fukumoto M. **J Cell Sci** 1984 Mar;66:175-87

Formation of the test in the swimming larva of Ciona intestinalis: an ultrastructural study. Gianguzza M, et al. **J Submicrosc Cytol** 1984 Apr;16(2):289-97

URODELA

ANATOMY & HISTOLOGY

Cellular ultrastructure of Amphiuma distal nephron: effects of exposure to potassium. Stanton B, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):C204-16

Histological and histochemical studies of the secretory components of the salamander olfactory mucosa: effects

of isoproterenol and olfactory nerve section. Getchell ML, et al. **Anat Rec** 1984 Apr;208(4):553–65

Satellite cells in the tail muscles of the urodelan larvae during development. Takahama H, et al. **Cell Tissue Res** 1984; 236(2):431–8

Tongue evolution in lungless salamanders, family plethodontidae. III. Patterns of peripheral innervation. Wake DB, et al. **J Morphol** 1983 Dec;178(3):207–24

BLOOD

Cell volume regulation by Amphiuma red blood cells. The role of Ca+2 as a modulator of alkali metal/H+ exchange. Cala PM. **J Gen Physiol** 1983 Dec;82(6):761–84

GENETICS

Measuring gene flow among populations having high levels of genetic fragmentation. Larson A, et al. **Genetics** 1984 Feb;106(2):293–308

PHYSIOLOGY

Temperature sensitivity of the renin–angiotensin system in Ambystoma tigrinum. Corwin E, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):R510–5

Some evidence for the ampullary organs in the European cave salamander Proteus anguinus (Urodela, Amphibia). Istenič L, et al. **Cell Tissue Res** 1984;235(2):393–402

Are the primordial germ cells (PGCs) in urodela formed by the inductive action of the vegetative yolk mass? Michael P. **Dev Biol** 1984 May;103(1):109–16

Hypocalcemic potency of the ultimobranchial gland in some urodelan amphibians. Oguro C, et al. **Gen Comp Endocrinol** 1983 Aug;51(2):272–7

Electrogenic Cl– absorption by Amphiuma small intestine: dependence on serosal Na+ from tracer and Cl–microelectrode studies. White JF, et al. **J Membr Biol** 1984; 78(3):223–33

Miniaturization and its effects on cranial morphology in plethodontid salamanders, genus Thorius (Amphibia, Plethodontidae): II. The fate of the brain and sense organs and their role in skull morphogenesis and evolution. Hanken J. **J Morphol** 1983 Sep;177(3):255–68

URODYNAMICS

Intrarenal backflow during retrograde pyelography following kidney transplantation. Thomsen HS. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):113–20

Urethral closure pressure profile measurements in female urinary incontinence. Glen ES, et al. **Acta Urol Belg** 1984 Apr;52(2):174–9

Urodynamic changes after successful operation for stress urinary incontinence. Bergman A, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):325–7

Urodynamic effects of a vaginal pessary in women with stress urinary incontinence. Bhatia NN, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):876–84

Urodynamic evaluation of urinary incontinence using a microtransducer. Käch O, et al. **Arch Gynecol** 1984; 234(4):269–78

Video urodynamic studies and clinical outcome. Barton EJ, et al. **Br J Radiol** 1983 Nov;56(671):805–7

Antibiotic prophylaxis after instrumentation for urodynamic testing. Bergman A, et al. **Br J Urol** 1983 Oct;55(5):568–9

The bladder during physical activity: further views on natural-filling urodynamic investigations. James ED. **Br J Urol** 1983 Oct;55(5):570

Prediction of postoperative urinary tract infection in men undergoing cardiac surgery by preoperative measurement of urine flow. Gould FK, et al. **Br Med J [Clin Res]** 1984 Jan 28;288(6413):286

Patterns of urine flow and electrolyte excretion in healthy elderly people. Kirkland JL, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1665–7

Theoretically required urinary flow during high-dose methotrexate infusion. Sasaki K, et al. **Cancer Chemother Pharmacol** 1984;13(1):9–13

Diuretic renography and urodynamic pressure studies in evaluating dilated bilharzial ureters. A preliminary report. Pawar HN, et al. **Clin Nucl Med** 1984 Jul;9(7):402–4

Dependence of urinary prostaglandin E2 excretion on urinary volume rather than solute handling or segmental nephron function in man. Kaojarern S, et al. **Clin Sci** 1984 Oct; 67(4):413–20

A computer program for on-line measurement, storage, analysis and retrieval of urodynamic data. van Mastrigt R. **Comput Programs Biomed** 1984 Feb–Apr;18(1–2):109–17

Urodynamic analysis of successful and failed incontinence surgery. Kujansuu E. **Int J Gynaecol Obstet** 1983 Oct; 21(5):353–60

Urodynamic monitoring after spinal cord injury. Anderson RU. **J Am Paraplegia Soc** 1984 Jan;7(1):15–9 (38 ref.)

Simultaneous cystometry and uroflowmetry for evaluation of micturition in two dogs. Moreau PM, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1084–8

Does good upper tract compliance preserve renal function. Bullock KN, et al. **J Urol** 1984 May;131(5):914–6

Urodynamic studies before and/or after abdominoperineal resection of the rectum for carcinoma. Chang PL, et al. **J Urol** 1983 Nov;130(5):948–51

Bladder neck obstruction in women: a real entity. Diokno AC, et al. **J Urol** 1984 Aug;132(2):294–8

Computer-assisted urodynamics. Jacobs SC, et al. **J Urol** 1984 Oct;132(4):716–7

Meningomyelocele: a clinical, urodynamic and neurophysiological evaluation. Light JK, et al. **J Urol** 1984 Apr;131(4):717–21

Urodynamic findings and clinical status following vesical denervation procedures for control of incontinence. McGuire EJ, et al. **J Urol** 1984 Jul;132(1):87–8

Urodynamic studies in enuresis and the nonneurogenic neurogenic bladder. McGuire EJ, et al. **J Urol** 1984 Aug; 132(2):299–302

Urodynamic findings and long-term outcome management of patients with multiple sclerosis–induced lower urinary tract dysfunction. McGuire EJ, et al. **J Urol** 1984 Oct; 132(4):713–5

Pelvic nerve innervation of the external sphincter of urethra as suggested by urodynamic and horse–radish peroxidase studies. Morita T, et al. **J Urol** 1984 Mar;131(3):591–5

Urodynamic evaluation of incontinence in patients undergoing modified Campbell radical retropubic prostatectomy: a prospective study. Rudy DC, et al. **J Urol** 1984 Oct;132(4):708–12

Familial juvenile type III spinal cord arteriovenous malformation: urodynamic findings. Rudy DC, et al. **J Urol** 1983 Nov;130(5):946–7

Urodynamic abnormalities in neurologically normal children with micturition dysfunction. Webster GD, et al. **J Urol** 1984 Jul;132(1):74–7

The urodynamic aspects of the Guillain–Barré syndrome. Wheeler JS Jr, et al. **J Urol** 1984 May;131(5):917–9

The changing neurourological pattern of multiple sclerosis. Wheeler JS Jr, et al. **J Urol** 1983 Dec;130(6):1123–6

Predictive value of urodynamic evaluation in newborns with myelodysplasia. Bauer SB, et al. **JAMA** 1984 Aug 3; 252(5):650–2

Microcomputer–based approach to the automation of flow rate measurement: a fully automatic mictiometer. Dijkhuis T, et al. **Med Biol Eng Comput** 1983 Nov;21(6):768–70

Urodynamic appraisal of the Bonney test in women with stress urinary incontinence. Bhatia NN, et al. **Obstet Gynecol** 1983 Dec;62(6):696–9

Urodynamic studies in evaluating detrusor sphincter dyssynergia and their effects on the treatment. Buczyński AZ. **Paraplegia** 1984 Jun;22(3):168–72

The role of urodynamics in the management of spinal cord injured patients. Gardner BP, et al. **Paraplegia** 1984 Jun; 22(3):157–61

Urodynamic practice in neuro–urological patients: techniques and clinical value. Madersbacher H, et al. **Paraplegia** 1984 Jun;22(3):145–56

A critical review of urodynamic investigations in spinal cord injury patients. Wyndaele JJ. **Paraplegia** 1984 Jun; 22(3):138–44

A disposable uroflowmeter for recording of maximum flow rate. Accuracy and clinical acceptability. Colstrup H, et al. **Scand J Urol Nephrol** 1983;17(3):303–6

Urodynamic evaluation of transurethral versus transvesical prostatectomy. A randomized study. Meyhoff HH, et al. **Scand J Urol Nephrol** 1984;18(1):27–35

The relationship between pressure and flow in the normal pig renal pelvis. An experimental study of the range of normal pressures. Mortensen J, et al. **Scand J Urol Nephrol** 1983;17(3):369–72

Percutaneous introduction of suprapubic double lumen catheter into bladder for urodynamic examination. Nishizawa O, et al. **Tohoku J Exp Med** 1983 Nov; 141(3):371–2

Application of ultrasonic M–mode scanning and computer evaluation on urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1983 Nov;141(3):369–70

Alfred N. Richards and the discovery of the mechanism of urine formation. Cooper DY. **Trans Stud Coll Physicians Phila** 1984 Mar;6(1):63–73

Lower urinary tract dysfunction in vesicoureteral reflux. Nielsen JB, et al. **Urol Int** 1984;39(1):29–31

Female urethral syndrome: clinical and urodynamic perspectives. Barbalias GA, et al. **Urology** 1984 Feb; 23(2):208–12

Multichannel urodynamic studies. Blaivas J. **Urology** 1984 May;23(5):421–38

Urodynamic findings in elderly males without prostatic complaints. Jensen KM, et al. **Urology** 1984 Aug; 24(2):211–3

Urodynamic assessment and chain cystogram in women with stress urinary incontinence. Clinical significance of detrusor instability. Kuzmarov IW. **Urology** 1984 Sep;24(3):236–8

Is there a urodynamic equivalence to anterior urethra in the male? Reid RE, et al. **Urology** 1984 Jan;23(1):93–5

Bolus propagation in pig ureter in vitro. van Mastrigt R, et al. **Urology** 1984 Feb;23(2):157–62

[Changes in the profilometric curve after surgery for stress incontinence in women] Sindelář M, et al. **Cesk Gynekol** 1983 Jun;48(5):361–2 **(Cze)**

[Urodynamic studies in children] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):889–92 **(Dut)**

[Clinical significance of urodynamic studies of the lower urinary tract in the male] Venema PL, et al. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):908–16 (91 ref.) **(Dut)**

[Pre- and postoperative urodynamic examination in urinary stress incontinence treated by the Marshall–Marchett–Krants or Bruch methods] Aerts A, et al. **Acta Urol Belg** 1984 Apr;52(2):216–9 (Eng. Abstr.) **(Fre)**

[The importance of systematic urodynamic exploration prior to surgery for incontinence] Bohler JL. **Acta Urol Belg** 1984 Apr;52(2):164–70 (Eng. Abstr.) **(Fre)**

[Simultaneous urethrocystometry and urethral instability in female incontinence] Penders L. **Acta Urol Belg** 1984 Apr; 52(2):200–6 (Eng. Abstr.) **(Fre)**

[The importance of the pre- and postoperative urodynamic examination in urinary stress incontinence] Pigne A, et al. **Acta Urol Belg** 1984 Apr;52(2):187–92 (Eng. Abstr.) **(Fre)**

[Dynamic urethral profile and flowmetry. Pre- and postcolposuspension study] Wese FX, et al. **Acta Urol Belg** 1983;51(3):319–24 (Eng. Abstr.) **(Fre)**

[Role of endorphins in the function of the lower urinary tract] Riss P, et al. **Urol Int** 1984;39(3):175–7 (Eng. Abstr.) **(Ger)**

[Urodynamics. II: Cystometry – methods, parameters and clinical evaluation] Festge OA, et al. **Z Urol Nephrol** 1983 Sep;76(9):615–20 **(Ger)**

[Urodynamic measurements of the lower urinary tract—technical realization and implications for the interpretation of findings] Höfner K, et al. **Z Urol Nephrol** 1984 Mar;77(3):161–72 (Eng. Abstr.) **(Ger)**

[URO–103—a new uroflow measuring device] Niederlag W, et al. **Z Urol Nephrol** 1984 Mar;77(3):173–82 (Eng. Abstr.) **(Ger)**

[Uroflow index—a formula for simplifying examination and the comparison of uroflow measurement curves in practice] Röhrborn C, et al. **Z Urol Nephrol** 1983 Nov;76(11):721–4 (Eng. Abstr.) **(Ger)**

[Urodynamics. III: Urofluorometry—possibilities, significance and limitations] Wehnert J, et al. **Z Urol Nephrol** 1983 Dec;76(12):805–10 **(Ger)**

[Urodynamics. I. Validity, possibilities of examinatio and prerequisities of measurement technics] Wehnert J, et al. **Z Urol Nephrol** 1983 Aug;76(8):549–55 **(Ger)**

[Urodynamic studies on postmicturition dribble] Furuya S, et al. **Hinyokika Kiyo** 1983 Apr;29(4):395–400 (Eng. Abstr.) **(Jpn)**

[Methods of transurethral bladder neck resection. 2. Clinical studies: comparison of voiding improvement in following a procedure preserving the proximal urethra at 3 to 9 o'clock and total resection] Hama T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):956–60 (Eng. Abstr.) **(Jpn)**

[Urine transport function of the ureteropelvic system—evaluation of urine bolus volume in congenital hydronephrosis] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1370–82 (Eng. Abstr.) **(Jpn)**

[Evaluation of the pelvi–ureteral function through a new urine bolusmetry. II. Simultaneous measurement of urine bolus volume and electroureterogram] Harada T. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep;74(9):1526–35 (Eng. Abstr.) **(Jpn)**

[Pyeloplasty: morphological evaluation by radiography and functional evaluation by urodynamic study] Kobayashi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):295–303 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of pressure flow study] Kobayashi M. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):877–86 (Eng. Abstr.) **(Jpn)**

[Clinical studies of the urodynamics. Fifth report: muscle pressure recording at external urethral sphincter] Morita M. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):59–64 (Eng. Abstr.) **(Jpn)**

[Postoperative evaluation and diagnosis of a case with bladder neck contracture by combined ultrasonotomography and urodynamic monitoring] Nishizawa O, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1765–71 (Eng. Abstr.) **(Jpn)**

[Urological management and its results in patients with congenital neurogenic bladder due to spina bifida—with special reference to the urodynamic evaluation of the lower urinary tract function] Noto H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):994–1002 (Eng. Abstr.) **(Jpn)**

[Urodynamics. X. Clinical significance of uroflowmetry simultaneous with sphincter electromyography] Park YC, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug; 74(8):1346–51 (Eng. Abstr.) **(Jpn)**

[Kidney function disorders in children with retention–obstructive processes in the urinary tract] Dzhavad–Zade MD, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):14–8 (Eng. Abstr.) **(Rus)**

[State of urodynamics and renal function in patients with sclerosis of the prostate] Khripta FP, et al. **Vrach Delo** 1984 May;(5):95–8 (Eng. Abstr.) **(Rus)**

[Urodynamics] Derežić D. **Lijec Vjesn** 1983 Jun;105(6):251–4 (Eng. Abstr.) **(Scr)**

[Use of flowmetry in nodular hyperplasia of the prostate] Rodrigues Netto Jr N, et al. **Arch Esp Urol** 1983 Mar–Apr; 36(2):133–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The use of urodynamic studies to assess the effect of pharmacological agents with particular references to alpha–adrenergic blockade. Thomas DG, et al.

Paraplegia 1984 Jun;22(3):162-7
Stress incontinence in females: treatment with phenylpropanolamine. A urodynamic and pharmacological evaluation. Fossberg E, et al. **Urol Int** 1983;38(5):293-9

UROGASTRONE see EPIDERMAL GROWTH FACTOR-UROGASTRONE

UROGENITAL NEOPLASMS

ANALYSIS

[Carcinoembryonic antigen and beta 2-microglobulin in genital Paget's disease] Furue M, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Oct;93(11):1189-94 **(Jpn)**
[Human chorionic gonadotropin (hCG) contained in the urogenital tissue—with special reference to tumor tissues] Arakawa S. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):339-48 (Eng. Abstr.) **(Jpn)**
[Basement membrane proteins-laminin and fibronectin in genito-urinary tumors] Sakashita S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):777-89 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Identification of vessels by lectin-immunoperoxidase staining of endothelium: possible applications in urogenital malignancies. Fujime M, et al. **J Urol** 1984 Mar; 131(3):566-70

COMPLICATIONS

[20 cases of hypercalcemia associated with urogenital malignancies] Higashi Y, et al. **Hinyokika Kiyo** 1984 May; 30(5):599-607 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Clinical study of urinary cytology: with special reference to bladder cancer] Nemoto S, et al. **Hinyokika Kiyo** 1983 Dec;29(12):1611-5 (Eng. Abstr.) **(Jpn)**
[Experience with transabdominal and scrotal ultrasonographic examination in urology] Saiki S, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1027-36 (Eng. Abstr.) **(Jpn)**
[Methods used in the diagnosis and treatment of rhabdomyosarcoma] Bożek J, et al. **Probl Med Wieku Rozwoj** 1983;12:312-25 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

The improvement in survival associated with combined chemotherapy in childhood rhabdomyosarcoma. A historical comparison of 345 patients in the same center. Flamant F, et al. **Cancer** 1984 Jun 1;53(11):2417-21
In vitro chemotherapy sensitivity testing for genitourinary malignancies. Lieber MM. **Prog Clin Biol Res** 1984; 153:51-65 (27 ref.)
Initial observations and problems with in vitro predictive assay in genitourinary malignancies. Zabbo A, et al. **Urology** 1984 Apr;23(4):370-3
[Results of intermittent intra-arterial chemotherapy with 5-FU in liver metastases and inoperable tumors of the gastrointestinal and urogenital tracts] Denck H. **Onkologie** 1984 Jun;7(3):167-76 (Eng. Abstr.) **(Ger)**
[Studies of the xenotransplantation of human urogenital carcinomas into nude mice. (2). Establishment of transplantable tumors and evaluation of anticancer drugs] Tsukamoto T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Aug;74(8):1297-312 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Sexually transmitted diseases and carcinogenesis. Roseman DS, et al. **Urol Clin North Am** 1984 Feb;11(1):27-43 (88 ref.)

FAMILIAL & GENETIC

Seminoma in a 46,XX true hermaphrodite with positive H-Y antigen. A case report. Nichter LS. **Cancer** 1984 Mar 1; 53(5):1181-4

IMMUNOLOGY

Virological studies of malignant tumours of the urogenital system. Kulcsár G, et al. **Acta Microbiol Hung** 1983; 30(3-4):199-202
Evaluation of lymphocyte electrophoresis in patients with urogenital cancers. Nakagami Y, et al. **Nippon Ika Daigaku Zasshi** 1983 Oct;50(5):766-8
A B O (H) blood group antigen determination in genitourinary neoplasms. Ghazizadeh M, et al. **Tokushima J Exp Med** 1983 Jun;30(1-2):9-16
[Immunologic assessment of urogenital carcinoma] Chou YH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov;82(11):1163-9 (Eng. Abstr.) **(Chi)**
[Evaluation of serum tissue polypeptide antigen (TPA) in patients with urogenital cancer] Tozuka K, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1078-83 (Eng. Abstr.) **(Jpn)**
[Analysis on lymphocyte electrophoretic mobility pattern in urogenital cancer patients] Nakagami Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Oct;74(10):1727-33 (Eng. Abstr.) **(Jpn)**

METABOLISM

Introduction: management of hormone-responsive tumors. Bonadonna G. **Semin Oncol** 1983 Dec;10(4 Suppl 4):1
[Significance of cyclic nucleotide determination in urogenital malignancies] Kataoka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):321-9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Viral examinations in malignant tumours of the urogenital system. Csata S, et al. **Acta Chir Hung** 1984;25(3):201-5

MORTALITY

Balkan nephropathy and malignant tumors. Radovanović Z, et al. **Neoplasma** 1984;31(2):225-9

OCCURRENCE

Trends of cancer incidence in Bulgaria for the period 1964-1980. Mitrov G, et al. **Neoplasma** 1984;31(1):109-18
[Histological statistics of malignant urogenital tumors] Shimada K, et al. **Hinyokika Kiyo** 1984 May;30(5):651-5 (Eng. Abstr.) **(Jpn)**
[Clinical statistics in the Outpatient Clinic of the Department of Urology, Kyoto University Hospital, 1977-1982] Yoshida O, et al. **Hinyokika Kiyo** 1983 Aug;29(8):979-89 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Progressive growth of human genitourinary cancer cell lines in young nude rats. Williams RD, et al. **Exp Cell Biol** 1984; 52(1-2):80-4
Use of CT-guided percutaneous bone biopsy in staging of genitourinary tumors. Golimbu C, et al. **Urology** 1983 Sep; 22(3):322-5
[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382-92 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Imaging techniques for detection and extent determination of genitourinary cancer. Boijsen E. **Prog Clin Biol Res** 1983; 132D:373-83
Leiomyosarcoma: computed tomographic findings. McLeod AJ, et al. **Radiology** 1984 Jul;152(1):133-6
[Large-frame fluorography under television control in the diagnosis of urogenital neoplasms] Pak KN. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):35-40 (Eng. Abstr.) **(Rus)**

REHABILITATION

Sexual rehabilitation of urologic cancer patients: a practical approach. Schover LR, et al. **CA** 1984 Mar-Apr; 34(2):66-74

SECONDARY

Carcinoma of the pancreas and periampullary structures. Pattern of metastasis at autopsy. Lee YT, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):584-7

SURGERY

Treating genital condyloma during pregnancy with the carbon dioxide laser. Ferenczy A. **Am J Obstet Gynecol** 1984 Jan 1;148(1):9-12
Postoperative spindle cell nodules of genitourinary tract resembling sarcomas. A report of eight cases. Proppe KH, et al. **Am J Surg Pathol** 1984 Feb;8(2):101-8
Laser photoradiation in urologic surgery. Smith JA Jr, et al. **J Urol** 1984 Apr;131(4):631-5 (41 ref.)

THERAPY

[Treatment of early urogenital cancer] Rinsho K, et al. **Gan No Rinsho** 1984 May;30(6 Suppl):653-8 (Eng. Abstr.) **(Jpn)**
[Effects of combined chemotherapy and radiotherapy on the hypothalamo-pituitary-gonadal axis and adrenocortical function in male patients with urogenital cancer] Mitsuhata N. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun; 74(6):1023-43 (Eng. Abstr.) **(Jpn)**
[Urological cancer: treatment strategies] Srougi M, et al. **AMB** 1983 Nov-Dec;29(11-12):199-209 (108 ref.) **(Por)**

URINE

[Urinary ferritin in urogenital diseases. 2. Clinical evaluation of urinary ferritin in malignant tumors of the urogenital system] Tohjoh S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):293-8 (Eng. Abstr.) **(Jpn)**

UROGENITAL SYSTEM

Sonography of nongynecologic cystic masses of the pelvis. Rifkin MD, et al. **AJR** 1984 Jun;142(6):1169-74
[Piperacillin in the treatment of severe infections of the urogenital system. Our experience] Fontana G, et al. **Minerva Urol** 1983 Oct-Dec;35(4):301-3 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Hindgut duplication. Report of a patient with long-term follow-up. Zamir O, et al. **Dis Colon Rectum** 1984 Sep; 27(9):615-7
Regional mapping of catalase and Wilms tumor—aniridia, genitourinary abnormalities, and mental retardation triad loci to the chromosome segment 11p1305----p1306. Narahara K, et al. **Hum Genet** 1984;66(2-3):181-5
The genetics of urinary tract malformations. Carter CO. **J Genet Hum** 1984 Mar;32(1):23-9
Urogenital tract abnormalities associated with congenital anorectal anomalies. Hoekstra WJ, et al. **J Urol** 1983 Nov; 130(5):962-3
Radiologic diagnosis of diethylstilbestrol induced teratogenesis in rats. Baggs RB, et al. **Lab Anim Sci** 1983 Oct;33(5):451-3
Agenesis of the cloacal membrane. A probable teratogenic anomaly. Robinson HB Jr, et al. **Perspect Pediatr Pathol** 1984 Spring;8(1):79-96
Genito-urinary problems in childhood. **Prog Pediatr Surg** 1984;17:1-203
Prenatal diagnosis by ultrasonography of genitourinary abnormalities. Fourcroy JL, et al. **Urology** 1983 Sep; 22(3):223-9
Correction of congenital defects of the urogenital system. Rawlings CA. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):49-60 (44 ref.)
[Antenatal ultrasonic diagnosis of nephro-urologic malformations] Dumez Y, et al. **J Genet Hum** 1984 Mar; 32(1):31-41 (Eng. Abstr.) **(Fre)**
[Diagnosis, treatment and prognosis of malformative uropathies] Genton N. **J Genet Hum** 1984 Mar;32(1):11-4 **(Fre)**
[Impact of reflux on the kidney] Mollard P, et al. **J Genet Hum** 1984 Mar;32(1):55-61 (Eng. Abstr.) **(Fre)**
[Sonographic diagnosis and therapeutic consequences of urinary tract abnormalities in the fetus] Heim K, et al. **Gynakologe** 1983 Dec;16(4):238-47 (35 ref.) **(Ger)**
[Combined maternal urogenital malformations in pregnancy. Echographic observations and comments on a clinical case] Struzziero E, et al. **Minerva Ginecol** 1984 Jun;36(6):325-9 (Eng. Abstr.) **(Ita)**
[State of the urogenital system in anorectal anomalies in children] Atakulov DO, et al. **Khirurgiia (Mosk)** 1983 Aug; (8):109-12 (Eng. Abstr.) **(Rus)**
[Bilateral isolated aneurysms of the iliac arteries associated with reno-uretero-vesical malformations and with retroperitoneal fibrosis] Raso AM, et al. **Angiologia** 1984 Jan-Feb;36(1):19-24 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Histamine in the urogenital tract] Reimann HJ, et al. **Urologe [Ausg A]** 1984 Jul;23(4):234-7 (Eng. Abstr.) **(Ger)**
[Human chorionic gonadotropin (hCG) contained in the urogenital tissue—with special reference to tumor tissues] Arakawa S. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar; 74(3):339-48 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

[The urogenital artery of the adult dog] Campos VJ, et al. **Anat Anz** 1984;155(1-5):31-7 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Calcium entry blockade as a therapeutic principle in the female urogenital tract. Forman A. **Acta Obstet Gynecol Scand [Suppl]** 1984;121:1-26
Effects of sterilized micropulverized barium sulfate suspension and meglumine iothalamate solution on the genitourinary tract of healthy male dogs after retrograde urethrocystography. Feeney DA, et al. **Am J Vet Res** 1984 Apr;45(4):730-8
[General pharmacology of traxanox sodium. I. Effects on the central, somatic, and autonomic nervous systems, digestive system, urologic organs, and reproductive system] Goto K, et al. **Nippon Yakurigaku Zasshi** 1983 May; 81(5):343-63 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Tissue interactions and prostatic growth. I. Induction of adult mouse prostatic hyperplasia by fetal urogenital sinus implants. Chung LW, et al. **Biol Reprod** 1984 Aug; 31(1):155-63
Physiology of sexual behavior. Embryologic organization and adult activation. Magee MC. **Urology** 1983 Nov; 22(5):467-78 (114 ref.)

INJURIES

Sports-related genitourinary injuries in children. Mandell J, et al. **Clin Sports Med** 1982 Nov;1(3):483-93
Traumatic injuries of the urogenital system. Bjorling DE. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):61-76 (76 ref.)
[Iatrogenic injuries of the urogenital organs] Scheinar J. **Rozhl Chir** 1984 Apr;63(4):283-8 (Eng. Abstr.) **(Cze)**
[Expert testimonial aspects in urologic gynecology] Altwein JE. **Gynakologe** 1983 Dec;16(4):248-57 **(Ger)**

[Injuries of the lower urogenital tract in pelvic fractures and symphyseal ruptures] Pfitzenmaier N, et al. **Helv Chir Acta** 1983 Jun;50(3):235–42 (Eng. Abstr.) **(Ger)**

[Urologic traumatology in childhood (closed injuries)] Jonas D, et al. **Unfallchirurgie** 1984 Apr;10(2):73–80 (Eng. Abstr.) **(Ger)**

[Urological complications following radical operations for rectal cancer] Kan DV, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):96–100 **(Rus)**

MICROBIOLOGY

The bowel, the genitourinary tract, and infective endocarditis. Bayliss R, et al. **Br Heart J** 1984 Mar;51(3):339–45

Ureaplasma serotypes associated with the bovine urogenital tract. Truscott RB. **Can J Comp Med** 1983 Oct;47(4):471–3

Chlorhexidine for prevention of neonatal colonization with group B streptococci. I. In vitro effect of chlorhexidine on group B streptococci. Christensen KK, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):157–65

Isolation of Gardnerella vaginalis from routine genito-urinary tract specimens. Chattopadhyay B, et al. **J Infect** 1984 Mar;8(2):157–62

Inhibition of Neisseria gonorrhoeae growth due to hydrogen peroxide production by urogenital streptococci. Dubreuil D, et al. **Microbios** 1984;39(157–158):159–67

Isolation of Haemophilus species from the genital tract. Messing M, et al. **Sex Transm Dis** 1983 Apr–Jun;10(2):56–61

[Attempts at isolating viruses from the male urogenital tract in patients without symptoms of herpes simplex virus infections] Mertens T, et al. **Z Hautkr** 1983 Aug 15;58(16):1157–62 (Eng. Abstr.) **(Ger)**

[Culture diagnosis of Ureaplasma urealyticum in inflammatory diseases of the urogenital tract] Delektorskiĭ VV, et al. **Vestn Dermatol Venerol** 1984 May;(5):24–8 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Chronic renal insufficiency in urogenital bilharziasis] Chatelain C, et al. **Sem Hop Paris** 1983 Sep 15;59(32):2279–84 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Anatomy and pathology of the male pelvis by magnetic resonance imaging. Hricak H, et al. **AJR** 1983 Dec;141(6):1101–10

PHYSIOLOGY

Anatomic, physiologic, and pharmacologic properties of the feline bulbospongiosus muscle. Bowen JM, et al. **Am J Vet Res** 1984 Feb;45(2):308–13

PHYSIOPATHOLOGY

Mechanism of genitourinary symptoms in herpes simplex virus infection [letter] Caplan LR. **N Engl J Med** 1983 Nov 3;309(18):1125–6

RADIATION EFFECTS

Urological complications in gynecological surgery and radiotherapy. Kunz J. **Contrib Gynecol Obstet** 1984;11:1–218

RADIONUCLIDE IMAGING

Improving the technique of nuclear cystography: the manometric approach. Sfakianakis GN, et al. **J Urol** 1984 Jun;131(6):1061–4

SURGERY

Perioperative use of ceftazidime as a prophylactic agent in transurethral surgery. Childs SJ, et al. **J Antimicrob Chemother** 1983 Jul;12 Suppl A:71–6

Multiple simultaneous urologic procedures in pediatric patient. Evaluation of risk and cost–effectiveness. Tannenbaum SI, et al. **Urology** 1984 Jan;23(1):19–21

[Comparison of pethidine and prilocaine for spinal anesthesia in 100 urologic operations] Ragot P, et al. **Agressologie** 1984 Jan;25(1):29–32 (Eng. Abstr.) **(Fre)**

UROGRAPHY

Iohexol compared with metrizoate in urography. Levorstad K, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(4):337–42

Pressures during retrograde pyelography. Thomsen HS. **Acta Radiol [Diagn] (Stockh)** 1983;24(2):171–5

Urography with iohexol. Comparison with metrizoate and iodamide. Edgren J, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:46–9

Iohexol in urography. Survey and present state. Ekelund L. **Acta Radiol [Suppl] (Stockh)** 1983;366:25–9

Iohexol compared with diatrizoate in pediatric urography. Jorulf H. **Acta Radiol [Suppl] (Stockh)** 1983;366:42–5

Iohexol and metrizamide for urography in infants and children. Stake G, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:39–41

Comparison of iohexol with metrizoate in urography. A single blind parallel investigation. Zachrisson BE, et al. **Acta Radiol [Suppl] (Stockh)** 1983;366:30–7

Evaluation of obstructive uropathy in children: radionuclide renography vs. the Whitaker test. Senac MO Jr, et al. **AJR** 1984 Jul;143(1):11–5

Refluxing urethral ectopic ureters: recognition by the cyclic voiding cystourethrogram. Wyly JB, et al. **AJR** 1984 Jun;142(6):1263–7

Excretory urography with four different contrast media: radiological and biochemical trials in 295 young infants. Meradji M, et al. **Ann Radiol (Paris)** 1984 Feb–Mar;27(2–3):199–206 **(Eng, Fre)**

Urinary tract X-ray examination after renal transplantation. Guo JY, et al. **Chin Med J [Engl]** 1983 May;96(5):335–9

Excretory urography and cystourethrography in the evaluation of children with urinary tract infection. Drachman R, et al. **Clin Pediatr (Phila)** 1984 May;23(5):265–7

Unnecessary intravenous urography in young women with recurrent urinary tract infections. De Lange EE, et al. **Clin Radiol** 1983 Sep;34(5):551–3

Electrocardiographic changes during intravenous urography: a study with sodium iothalamate and iohexol. Heron CW, et al. **Clin Radiol** 1984 Mar;35(2):137–41

Contrast media in urography, angiography and computerized tomography. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983;118:1–173

Double blind comparison of ioglicate and iothalamate in intravenous urography. Baitsch T, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983;118:143–7

Urography with non-ionic contrast media: II. Diagnostic quality and tolerance of iopromide in comparison with ioxaglate. Taenzer V, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983;118:153–5

Urography with non-ionic contrast media: I. Diagnostic quality and tolerance of iohexol in comparison with meglumine amidotrizoate. Taenzer V, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1983;118:148–52

Venous imprint on the superior infundibulum. An unusual pyelographic appearance. Cavalli A, et al. **Int Urol Nephrol** 1983;15(3):221–4

CT demonstration of urinary bladder displacement causing medial deviation of the distal ureter. Apter S, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):294–5

Unilateral nonvisualization on excretory urography after external trauma. Cass AS, et al. **J Urol** 1984 Aug;132(2):225–7

Re: Should the followup of patients with bladder cancer include routine excretory urography? [letter] Soundararajan R. **J Urol** 1984 Jul;132(1):146

Newer contrast agents for urography. Spataro RF. **Radiol Clin North Am** 1984 Jun;22(2):365–80 (169 ref.)

Optimizing work-up of adult hypertensive patients for renal artery stenosis. Observations about hypertensive urography, digital subtraction arteriography, and patient selection. Thornbury JR, et al. **Radiol Clin North Am** 1984 Jun;22(2):333–9 (19 ref.)

Computed tomographic findings in renal angiomyolipoma: an histologic correlation. Sant GR, et al. **Urology** 1984 Sep;24(3):293–6

Case profile: iliac vein visualization during intravenous urography. Sant GR, et al. **Urology** 1984 Jan;23(1):83

[Is intravenous urography indicated in the analysis of recurrent urinary tract infections in young women?] de Lange EE, et al. **Ned Tijdschr Geneeskd** 1984 Jan 14;128(2):65–7 (Eng. Abstr.) **(Dut)**

[Value of preliminary intravenous urography. Apropos of errors by default in the ultrasonic diagnosis of renal tumors] Dana A, et al. **J Radiol** 1983 Jun–Jul;64(6–7):415–20 (Eng. Abstr.) **(Fre)**

[The effect of the injection of water-soluble triiodized monomer contrast media for intravenous urography on glomerular filtration, uricemia and urinary elimination of uric acid in normal subjects] Nicolay D, et al. **J Radiol** 1984 Feb;65(2):107–9 (Eng. Abstr.) **(Fre)**

[Frequent occurrence of contrast medium reactions in urograms following accidents in childhood] Brinkmann H, et al. **Klin Padiatr** 1984 Mar–Apr;196(2):100–2 (Eng. Abstr.) **(Ger)**

[Use of computer tomography in irradiation planning. 2. Comparison with the conventional roentgenologic technic in prostate and bladder cancers] Oehler W, et al. **Radiobiol Radiother (Berl)** 1983;24(3):269–77 (Eng. Abstr.) **(Ger)**

[Accuracy in the diagnosis of renal masses. Computed tomography, sonography, urography, angiography] Lackner K, et al. **ROFO** 1984 Apr;140(4):363–72 (Eng. Abstr.) **(Ger)**

[Indication-related uroradiology] Marincek B. **Ther Umsch** 1984 Mar;41(3):198–203 (Eng. Abstr.) **(Ger)**

[Preliminary clinical studies with a new non-ionic contrast medium (Iopamidol) in intravenous pyelography] Miyakawa M, et al. **Hinyokika Kiyo** 1984 Mar;30(3):431–5 (Eng. Abstr.) **(Jpn)**

[Has urography some place in the examination of hypertension?] Pape JF, et al. **Tidsskr Nor Laegeforen** 1983 Oct 10;103(28):1922–3 (Eng. Abstr.) **(Nor)**

[Urography findings in adult patients with vesico-ureteral reflux] Goldner B. **Srp Arh Celok Lek** 1983 Jun;111(6):779–88 (Eng. Abstr.) **(Scc)**

ADVERSE EFFECTS

Adverse reactions to intravenous pyelography contrast agents [letter] Chodirker WB. **Can Med Assoc J** 1984 Feb 15;130(4):343–4

Danger of urography in hyperuricemic children with Burkitt's lymphoma. Mandell GA, et al. **J Can Assoc Radiol** 1983 Dec;34(4):273–7

Systemic response to excretory urography. Work in progress. Fischer HW, et al. **Radiology** 1984 Apr;151(1):31–3

Complications of pediatric percutaneous renal procedures: incidence and observations. Pfister RC, et al. **Urol Clin North Am** 1983 Aug;10(3):563–71

[Apropos of 2 cases of peripelvic extravasation of contrast media in urography] Ricchi E, et al. **Minerva Chir** 1984 Apr 15;39(7):579–81 (Eng. Abstr.) **(Ita)**

HISTORY

Landmark perspective: Roentgenography of the urinary tract. Evans JA. **JAMA** 1983 Nov 25;250(20):2854–5

Landmark article Feb 10, 1923: Roentgenography of urinary tract during excretion of sodium iodid. By Earl D. Osborne, Charles G. Sutherland, Albert J. Scholl, Jr. and Leonard G. Rowntree. Osborne ED, et al. **JAMA** 1983 Nov 25;250(20):2848–53

INSTRUMENTATION

The VCU-pot: a new device for voiding cystourethrography. Araki T, et al. **J Urol** 1984 Aug;132(2):266–7

[Antegrade fine needle pyelography of transplanted kidneys] Schmeller NT, et al. **Fortschr Med** 1984 Jan 19;102(3):34–6 (Eng. Abstr.) **(Ger)**

METHODS

Iohexol and metrizoate in urography in children. Comparison between a non-ionic and an ionic contrast medium. Bolz KD, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):155–8

Intrarenal backflow during retrograde pyelography following kidney transplantation. Thomsen HS. **Acta Radiol [Diagn] (Stockh)** 1984;25(2):113–20

Intravenous urography with low-osmolality contrast agents: theoretical considerations and clinical findings. Dawson P, et al. **Clin Radiol** 1984 May;35(3):173–5

A technique for radiographic cannulation and opacification of anatomical structures with small orifices—a new method. Cranley WR, et al. **J Pediatr Surg** 1983 Dec;18(6):695–6

Advantages of table-top radiography in pediatric IVPs. Gratale P. **Radiol Technol** 1984 Jan–Feb;55(3):34–7

Digital nephropyelography following intravenous renal digital subtraction angiography. Hillman BJ, et al. **Radiology** 1983 Nov;149(2):405–10

Pediatric urography: comparison of metrizamide and methylglucamine diatrizoate. Robey G, et al. **Radiology** 1984 Jan;150(1):61–3

Advantages of nonionic contrast agents in adult urography. Dray RJ, et al. **Urology** 1984 Sep;24(3):297–9

[Standardization of urography and cystourethrography in children] Abraham J, et al. **Cesk Radiol** 1984 Feb;38(1):28–34 (Eng. Abstr.) **(Cze)**

[Radioclinical evaluation of a new opacifying agent during intravenous urography in renal failure patients] Chevrot L, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):703–5 (Eng. Abstr.) **(Fre)**

[Iopamidol in urography. Comparative study in infants and children] Lemaitre L. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):706–7 (Eng. Abstr.) **(Fre)**

[Usefulness of intravenous urography in the evaluation of benign prostatic hypertrophy] Lapointe S, et al. **J Urol (Paris)** 1984;90(1):23–6 (Eng. Abstr.) **(Fre)**

[Significance of postangiocardiographic excretory urography for diagnosis of kidney abnormalities in infants and children with congenital heart defects] Schmidt H, et al. **Kinderarztl Prax** 1983 Dec;51(12):589–94 (Eng. Abstr.) **(Ger)**

[Panurography — a new method of combination excretory and micturitional urography] Melchior H, et al. **Urologe [Ausg A]** 1984 Jan;23(1):55–60 (Eng. Abstr.) **(Ger)**

[Sequential endovenous angiourography (AUS) with image subtraction for the study of the arterial phase of urography. Comparison with nephroangiotomography (NAT)] Garretti L, et al. **Minerva Med** 1983 Nov 16;74(44):2683–92 (Eng. Aostr.) **(Ita)**

[Radiography of the urinary tract] Hiramatsu Y. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1407–15 **(Jpn)**

[X-ray television study in the excretory urography of patients with prostatic adenoma] Bullov VM. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):79–82 (Eng. Abstr.) **(Rus)**

[Excretory urography in renal insufficiency] Démant F, et al. **Cesk Pediatr** 1984 May;39(5):264–5 (Eng. Abstr.) **(Slo)**

TRENDS

Trends in pediatric uroradiology. Lebowitz RL, et al. **Urol Radiol** 1983;5(3):135–47

VETERINARY

Effects of sterilized micropulverized barium sulfate suspension and meglumine iothalamate solution on the genitourinary tract of healthy male dogs after retrograde

urethrocystography. Feeney DA, et al. **Am J Vet Res** 1984 Apr;45(4):730–8

Postoperative radiography of the urinary system. Barber DL. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):31–48 (49 ref.)

UROKINASE

Comparative study of thrombolysis by high and low molecular weight urokinase in an in vitro perfusion system. Greenwald SR, et al. **Thromb Res** 1983 Sep 15; 31(6):799–806

ADMINISTRATION & DOSAGE

Activation of plasma fibrinolysis after intrarectal administration of high molecular weight urokinase and its derivative. Sumi H, et al. **Acta Haematol (Basel)** 1983; 70(5):289–95

Urokinase perfusion for axillary–subclavian vein thrombosis. Fankuchen EI, et al. **Cardiovasc Intervent Radiol** 19[illegible] 7(2):90–3

Coronary thrombolysis with intravenously administered human tissue–type plasminogen activator produced by recombinant DNA technology. Van de Werf F, et al. **Circulation** 1984 Mar;69(3):605–10

Intravesical therapy of noninvasive bladder tumors (stage Ta) with doxorubicin and urokinase. Lundbeck F, et al. **J Urol** 1983 Dec;130(6):1087–9

Restoring patency of thrombosed catheters with cryopreserved urokinase. Gale GB, et al. **JPEN** 1984 May–Jun;8(3):298–9

Systemic fibrinolytic activity and inhibitor levels during treatment of deep vein thrombosis with urokinase and streptokinase. Theiss W, et al. **Thromb Haemost** 1983 Oct 31;50(3):664–8

Controlled multicenter pilot study of urokinase– heparin and streptokinase in deep vein thrombosis. van de Loo JC, et al. **Thromb Haemost** 1983 Oct 31;50(3):660–3

A case of granulomatous renal sarcoidosis with a dramatic response to corticosteroid and urokinase therapy. Tomino Y, et al. **Tokai J Exp Clin Med** 1983 May;8(2):149–53

[Multicenter study of 2 urokinase protocols in severe pulmonary embolism. Research Group on Urokinase and Pulmonary Embolism] **Arch Mal Coeur** 1984 Jul; 77(7):773–81 (Eng. Abstr.) **(Fre)**

[Intracoronary thrombolytic treatment with urokinase in myocardial infarct: clinical angiographic findings and effects on left ventricular function] Ibba GV, et al. **G Ital Cardiol** 1983 Aug;13(8):75–84 (Eng. Abstr.) **(Ita)**

[Case of mitral stenosis with regression and elimination of left atrial thrombus after combined therapy of urokinase, dipyridamole and aspirin] Asano H, et al. **Kokyu To Junkan** 1983 Nov;31(11):1259–63 (Eng. Abstr.) **(Jpn)**

[Effects of intravitreal injection of urokinase on the rabbit eye. II. Effects of urokinase with stabilizer on ERP amplitude] Tamai A, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(10):974–82 (Eng. Abstr.) **(Jpn)**

[Indications and effectiveness of fibrinolytic therapy] Dohi K, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):843–5 **(Jpn)**

[Thrombolytic therapy] Nobuyoshi M. **Nippon Rinsho** 1983 Dec;41(12):2771–80 **(Jpn)**

[Fibrinolytic therapy for toxemia of late pregnancy—experimental studies of pregnant rabbits treated with urokinase] Kano A. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):72–80 (Eng. Abstr.) **(Jpn)**

[Possibilities of mechanical restoration of patency of the occluded coronary artery in acute myocardial infarction] Gratsianskii NA, et al. **Kardiologiia** 1983 Sep;23(9):107–10 **(Rus)**

[Fibrinolytic therapy and mechanical restoration of patency of the coronary arteries in acute myocardial infarction] Komarov BD, et al. **Kardiologiia** 1983 Sep;23(9):12–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Thrombosis of a valve prosthesis: fatal cerebral embolism during thrombolytic treatment] Baglin JY, et al. **Arch Mal Coeur** 1983 Sep;76(9):1077–80 (Eng. Abstr.) **(Fre)**

ANALYSIS

Characterization of a specific anti–human urokinase antibody: development of a sensitive competition radioimmunoassay for urokinase antigen. Huber K, et al. **J Lab Clin Med** 1984 May;103(5):684–94

[Analysis of the secondary structure of urokinase by the circular dichroism method] Illarionova NG, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):358–61 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The irreversible inhibition of urokinase, kidney–cell plasminogen activator, plasmin and beta–trypsin by 1–(N–6–amino–n–hexyl)carbamoylimidazole. Walker B, et al. **Biochem J** 1984 Jul 1;221(1):277–80

Complex–formation and inhibition of urokinase by blood plasma proteins. Waller EK, et al. **Biochem J** 1983 Oct 1;215(1):123–31

The role of placental urokinase inhibitor in toxemia of pregnancy. Terao T, et al. **Biol Res Pregnancy Perinatol** 1983;4(4):145–51

Differential inhibition of two molecular forms of melanoma cell plasminogen activator by a placental inhibitor. Lecander I, et al. **Br J Haematol** 1984 Jul;57(3):407–12

Plasma levels of a specific inhibitor of tissue–type plasminogen activator (and urokinase) in normal and pathological conditions. Juhan–Vague I, et al. **Thromb Res** 1984 Mar 1;33(5):523–30

BLOOD

Plasminogen activators in alcoholic cirrhosis: demonstration of increased tissue type and urokinase type activator. Booth NA, et al. **J Clin Pathol** 1984 Jul;37(7):772–7

[Effect of phenazepam and seduxen on the presence of histidase and urokinase in the blood] Korotkina RN, et al. **Vopr Med Khim** 1983 Nov–Dec;29(6):93–6 (Eng. Abstr.) **(Rus)**

GENETICS

The cloning, isolation and characterization of a biologically active human enzyme, urokinase, in E. coli. Hung PP. **Adv Exp Med Biol** 1984;172:281–93

Common evolutionary origin of the fibrin–binding structures of fibronectin and tissue–type plasminogen activator. Bányai L, et al. **FEBS Lett** 1983 Oct 31;163(1):37–41

Monoclonal antibodies to human urokinase identify the single–chain pro–urokinase precursor. Salerno G, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):110–4

Identification and primary sequence of an unspliced human urokinase poly(A)+ RNA. Verde P, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4727–31

ISOLATION & PURIFICATION

The isolation of proteins from complex mixtures by immobilized monoclonal antibodies. Vetterlein DA, et al. **Ann NY Acad Sci** 1983;413:294–6

Transition–state affinity chromatography of trypsin–like proteinases with dipeptidyl argininal ligands. Patel AH, et al. **Biochim Biophys Acta** 1983 Oct 28;748(2):321–30

[Comparative studies of various preparations of urokinase on isoelectric focusing] Hasegawa R. **Eisei Shikenjo Hokoku** 1983;(101):156–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

The biological activity of antithrombotic agents immobilized on polymer surfaces. Kim SW, et al. **Ann NY Acad Sci** 1983;416:513–24

Kidney urokinase activity following acute exposure to lead. Nicolls DM, et al. **Biochem Pharmacol** 1984 Jan 15; 33(2):181–6

Occurrence of both urokinase and tissue plasminogen activator in the human endometrium. Casslén B, et al. **Contraception** 1983 Dec;28(6):553–64

A specific disulfide bond associated with the activity of human urokinase. Its topological identification and reductive cleavage followed by kinetic changes in enzymatic reaction and affinity labeling. Miwa N, et al. **Eur J Biochem** 1984 May 2;140(3):539–45

Purification of human fibroblast urokinase proenzyme and analysis of its regulation by proteases and protease nexin. Eaton DL, et al. **J Biol Chem** 1984 May 25;259(10):6241–7

The effects of fibrinogen and its cleavage products on the kinetics of plasminogen activation by urokinase and subsequent plasmin activity. Lucas MA, et al. **J Biol Chem** 1983 Oct 25;258(20):12171–7

Distribution of urokinase–type plasminogen activator immunoreactivity in the mouse. Larsson LI, et al. **J Cell Biol** 1984 Mar;98(3):894–903

Immunocytochemical localization of urokinase–type plasminogen activator in Lewis lung carcinoma. Skriver L, et al. **J Cell Biol** 1984 Aug;99(2):752–7

Effective and fibrin–specific clot lysis by a zymogen precursor form of urokinase (pro–urokinase). A study in vitro and in two animal species. Gurewich V, et al. **J Clin Invest** 1984 Jun;73(6):1731–9

Intrinsic plasma fibrinolysis: involvement of urokinase–related activity in the factor XII–independent plasminogen proactivator pathway. Kluft C, et al. **J Lab Clin Med** 1984 Mar;103(3):408–19

Substrate specificity of tissue plasminogen activator and urokinase as determined with synthetic chromogenic substrates. Matsuo O, et al. **Jpn J Physiol** 1983;33(6):1031–7

Intraduodenally administered 14C–urokinase in Macaca Irus revealed by autoradiography. Hatsuoka M, et al. **Radioisotopes** 1983 Jun;32(6):275–9

The behaviour of urokinase and porcine kidney cell plasminogen activator towards some synthetic peptides. Walker B, et al. **Thromb Res** 1984 Apr 15;34(2):103–7

PHARMACODYNAMICS

The effect of urokinase in the prevention of intraperitoneal adhesions; role of blood in their formation. Birkenfeld A, et al. **Ann Chir Gynaecol** 1983;72(5):246–9

Tissue type plasminogen activator, but not urokinase, exerts transformation–enhancing activity. De Petro G, et al. **Int J Cancer** 1984 May 15;33(5):563–7

Production of the modified form of human plasminogen in the plasma activated by urokinase. Yamamoto J, et al. **Jpn J Physiol** 1983;33(3):469–84

Comparison of efficacy of thrombolysin, streptokinase, and urokinase in a femoral vein clot model in rats. Cooley BC, et al. **Microsurgery** 1983;4(1):1–4

Defibrination of intraglomerular fibrin deposits by urokinase in patients with IgA nephropathy. Tomino Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Mar;26(3):275–80

Effects of fibrinogen and fibrin on the activation of Glu– and Lys–plasminogen by urokinase. Takada A, et al. **Thromb Res** 1984 Mar 15;33(6):561–9

SECRETION

Concomitant secretion of prourokinase and of a plasminogen activator–specific inhibitor by cultured human monocytes–macrophages. Vassalli JD, et al. **J Exp Med** 1984 Jun 1;159(6):1653–68

STANDARDS

[Urokinase reference standard of the National Institute of Hygienic Sciences (Control 821)] Kawamura J, et al. **Eisei Shikenjo Hokoku** 1983;(101):125–7 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effects of fibrinolytic treatment on rabbit Masugi nephritis. Akiba T, et al. **Acta Pathol Jpn** 1983 Jul;33(4):773–87

Urokinase treatment of Budd–Chiari syndrome. Greenwood LH, et al. **AJR** 1983 Nov;141(5):1057–9

Effects of percutaneous transluminal coronary angioplasty: intracoronary thrombolysis with urokinase in acute myocardial infarction. Yasuno M, et al. **Am J Cardiol** 1984 May 1;53(9):1217–20

Discrepancy in the thrombolytic effect of UK between angiographic and circulatory evaluations. Matsuo O, et al. **Angiology** 1984 Aug;35(8):523–7

Fibrinolytic therapy urokinase for myocardial infarction. Nakano M. **Angiology** 1983 Oct;34(10):654–73

Angiographic features of the coronary arteries during intracoronary thrombolysis. Terrosu P, et al. **Br Heart J** 1984 Aug;52(2):154–63

Recurrent obstruction and thrombolysis of the right coronary artery. Halon DA, et al. **Cardiology** 1983;70(6):341–3

A case of normal coronary infarction after intracoronary thrombolysis with urokinase. Watabe S, et al. **Cathet Cardiovasc Diagn** 1983;9(5):501–5

Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase. Tennant SN, et al. **Circulation** 1984 Apr; 69(4):756–60

Thrombolytic agents in evolving MI. **FDA Drug Bull** 1984 Apr;14(1):4–5

Laboratory control of urokinase therapy at low or moderate dosages. An in–vitro study. Musumeci V, et al. **Haemostasis** 1983;13(5):316–21

Effects of tranexamic acid and urokinase on hematogenous metastases of Lewis lung carcinoma in mice. Tanaka N, et al. **Invasion Metastasis** 1981;1(3):149–57

Failure of urokinase to resolve Broviac catheter–related bacteremia in children. Haffar AA, et al. **J Pediatr** 1984 Feb;104(2):256–8

Effects and limitation of CCU—prevention of evolving myocardial infarction. Kanmatsuse K, et al. **Jpn Circ J** 1984 Jul;48(7):713–20

Urokinase treatment for arteriovenous fistulae declotting in dialyzed patients. Mangiarotti G, et al. **Nephron** 1984; 36(1):60–4

Local intraarterial fibrinolytic therapy in inaccessible internal carotid occlusion. Zeumer H, et al. **Neuroradiology** 1984; 26(4):315–7

Urokinase–treatment of fresh laser irradiation–induced vitreous hemorrhage. Belkin M, et al. **Ophthalmologica** 1983;187(3):152–6

Outcome of treatment of deep–vein thrombosis with urokinase: relationship to dosage, duration of therapy, age of the thrombus and laboratory changes. D'Angelo A, et al. **Thromb Haemost** 1984 Apr 30;51(2):236–9

Intra–coronary thrombolysis with streptokinase or lys–plasminogen/urokinase in acute myocardial infarction: effects on recanalization and blood fibrinolysis. de Prost D, et al. **Thromb Haemost** 1983 Dec 30;50(4):792–6

[Treatment of childhood hemolytic–uremic syndrome with urokinase. Cooperative controlled trial] Loirat C, et al. **Arch Fr Pediatr** 1984 Jan;41(1):15–9 (Eng. Abstr.) **(Fre)**

[Intra–arterial urokinase–lys–plasminogen thrombolytic treatment. An alternative (letter)] Debure C, et al. **Presse Med** 1984 Apr 28;13(18):1152–3 **(Fre)**

[Phlebitis of the legs. Comparison of streptokinase and urokinase therapy (letter)] Marcon JL, et al. **Presse Med** 1984 Jun 30;13(27):1697–8 **(Fre)**

[Clinical experience with urokinase therapy] Tilsner V. **Arzneimittelforsch** 1984;34(1):55–61 (Eng. Abstr.) **(Ger)**

[Local thrombolysis with urokinase in acute massive pulmonary embolism] Schwarz F, et al. **Dtsch Med Wochenschr** 1984 Jan 13;109(2):55–8 (Eng. Abstr.) **(Ger)**

[Fibrinolysis of retinal vein closures: treatment with urokinase] Ohrloff C, et al. **Fortschr Ophthalmol** 1983; 80(2):162–5 (Eng. Abstr.) **(Ger)**

[Fibrinolytic therapy of deep vein thrombosis of the leg and

pelvis with streptokinase and urokinase] Hasler K, et al. **Med Welt** 1983 Oct 28;34(43):1225–9 **(Ger)**

[Urokinase therapy of deep vein thrombosis] Hasler K, et al. **MMW** 1984 Feb 3;126(5):122–4 (Eng. Abstr.) **(Ger)**

[Thrombolysis using urokinase in acute phlebothrombosis] Minar E, et al. **Vasa** 1984;13(1):41–6 (Eng. Abstr.) **(Ger)**

[A case of pulmonary embolism treated with urokinase] Parigi L, et al. **Minerva Anestesiol** 1984 Apr;50(4):165–8 (Eng. Abstr.) **(Ita)**

[Use of urokinase in the occlusion of arteriovenous fistulae for chronic hemodialysis] Iberti M, et al. **Minerva Nefrol** 1983 Oct–Dec;30(4):207–11 (Eng. Abstr.) **(Ita)**

[Postoperative intrathecal irrigation with plasminogen activator (Urokinase) after early stage operation on ruptured cerebral aneurysm] Yoshida Y, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):659–66 (Eng. Abstr.) **(Jpn)**

[Fibrin deposits in Masugi nephritis and effects of urokinase, non-steroidal anti-inflammatory agents, anti-inflammatory enzymes and prostaglandins] Sugizaki T. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):836–8 **(Jpn)**

[Effect of urokinase therapy in patients with glomerulonephritis and nephrotic syndrome. Trial at multiple institutes in Japan] Tomura S, et al. **Nippon Jinzo Gakkai Shi** 1984 Jan;26(1):97–121 (Eng. Abstr.) **(Jpn)**

[Experimental bleomycin lung injury and preventive effects of urokinase] Shirakusa T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Sep; 21(9):812–22 (Eng. Abstr.) **(Jpn)**

URINE

Isolation and characterization of a urokinase-type plasminogen activator (Mr = 54,000) from cultured human endothelial cells indistinguishable from urinary urokinase. Booyse FM, et al. **J Biol Chem** 1984 Jun 10; 259(11):7198–205

UROLOGIC DISEASES

Urologic problems in the geriatric population. Bell DP, et al. **J La State Med Soc** 1984 Feb;136(2):15–22, 27

American Urological Association, Inc. Seventy-ninth annual meeting, May 6–10, 1984. New Orleans, Louisiana. Abstracts. **J Urol** 1984 Apr;131(4 Pt 2):104A–402A

Proceedings of the 14th congress of the Scandinavian Association of Urology. Malmö, September 15–17, 1983. **Scand J Urol Nephrol [Suppl]** 1983;76:1–45

CHEMICALLY INDUCED

[What do we know about occupational diseases of the kidney and urinary tract?] Wolf H. **Ugeskr Laeger** 1983 Dec 12; 145(50):3914–6 **(Dan)**

COMPLICATIONS

Bilharzial uropathies and a scheme for primary medical care. Abdel-Halim RE. **Br J Urol** 1984 Feb;56(1):13–6

Gross haematuria, the outcome of investigation in a series of 124 cases. Cross KS, et al. **Ir Med J** 1983 Sep;76(9):384–5

Retention of urine in women. Alam M. **J Indian Med Assoc** 1983 May;80(9–10):128–30

[Submucosal hematoma of the urinary excretory passages. Apropos of 3 cases] Montely I, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):377–9 (Eng. Abstr.) **(Fre)**

[Renal insufficiency due to uropathy. Incidence and evolution] Gusmano R, et al. **Minerva Pediatr** 1984 Mar 31;36(6):291–7 (Eng. Abstr.) **(Ita)**

[Urinary tract diseases as the cause of disability in children] Papierkowski A. **Pediatr Pol** 1983 Apr;58(4):379–83 **(Pol)**

CONGENITAL

Echography in the post-natal diagnosis of congenital urinary tract disorders. Metrevelli C. **J Genet Hum** 1984 Mar; 32(1):43–7

[Limits of ultrasonics in the study of urinary tract malformations] Anderegg A. **J Genet Hum** 1984 Mar; 32(1):49–51 (Eng. Abstr.) **(Fre)**

[Antenatal ultrasonic diagnosis of nephro-urologic malformations] Dumez Y, et al. **J Genet Hum** 1984 Mar; 32(1):31–41 (Eng. Abstr.) **(Fre)**

[Long-term prognosis of renal function in severe urologic diseases in children] Sommer MF, et al. **J Genet Hum** 1984 Mar;32(1):73–9 (Eng. Abstr.) **(Fre)**

[Congenital diseases of the kidney and urinary tracts] Kasagi M, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):892–3 **(Jpn)**

DIAGNOSIS

Video urodynamic studies and clinical outcome. Barton EJ, et al. **Br J Radiol** 1983 Nov;56(671):805–7

Diuresis renography in equivocal urinary tract obstruction. O'Reilly PH, et al. **Br J Urol** 1984 Feb;56(1):84

The Clinical Investigation Unit, Ham Green Hospital. Shepherd AM. **Bristol Med Chir J** 1984 Jul;99(371):82–3

Urinary tract disease in pregnancy. Phillips MH, et al. **Clin Obstet Gynecol** 1983 Dec;26(4):890–901

The nature of urogenital involvements in female uro-arthritis, with special reference to chlamydial infection. Yli-Kerttula UI, et al. **Clin Rheumatol** 1984 Jun;3(2):155–62

Sonography of the genitourinary system: an update. Rifkin MD, et al. **Del Med J** 1983 Nov;55(11):633–8

A crossover study comparing delayed radiohippurate images with furosemide renograms. Rosenthall L, et al. **Diagn Imaging** 1983;52(5):267–75

Magnetic resonance imaging in urology. Williams RD, et al. **J Urol** 1984 Oct;132(4):641–9 (37 ref.)

Obstructive uropathy: frusemide test and analysis of renographic curve patterns. Probst P, et al. **Nuklearmedizin** 1983 Jun;22(3):128–35

Hematuria. A suggested workup strategy. Ng RC, et al. **Postgrad Med** 1984 Jan;75(1):139–44

Ultrasound of the neonatal urinary tract. Avni EF, et al. **Urol Radiol** 1983;5(3):177–83

Multichannel urodynamic studies. Blaivas J. **Urology** 1984 May;23(5):421–38

Magnetic resonance imaging and its application in urology. Hricak H, et al. **Urology** 1984 May;23(5):442–54

Diagnosis of the feline urologic syndrome. Osborne CA, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):575–83

[Diagnostic experience with human urogenital diseases of chlamydial etiology] Bodzheva E, et al. **Akush Ginekol (Sofiia)** 1983;22(5):379–82 (Eng. Abstr.) **(Bul)**

[Pitfalls in ultrasonic diagnosis in urology] Kočí K, et al. **Rozhl Chir** 1983 Oct;62(10):660–8 (Eng. Abstr.) **(Cze)**

[Errors and mistakes in the diagnosis of urologic diseases] Utíkalová A, et al. **Rozhl Chir** 1983 Oct;62(10):655–9 (Eng. Abstr.) **(Cze)**

[Advances in the diagnosis and surgical treatment of urologic-gynecologic complications] Hohenfellner R, et al. **Gynakologe** 1983 Dec;16(4):222–30 (23 ref.) **(Ger)**

[Sonographic diagnosis of nephrourologic diseases in infants and childhood] Maurer G, et al. **Padiatr Padol** 1983; 18(4):335–45 (Eng. Abstr.) **(Ger)**

[Sonographic diagnosis of urine flow disorders in childhood] Dinkel E, et al. **Ultraschall Med** 1983 Sep;4(3):166–73 (Eng. Abstr.) **(Ger)**

[NMRI-nuclear spin tomography—new diagnostic perspectives for urology] Kühn MW. **Z Urol Nephrol** 1983 Jul;76(7):485–91 **(Ger)**

[The use of diflunisal in urological endoscopy] Macaluso G, et al. **Minerva Urol** 1983 Jul–Sep;35(3):209–12 (Eng. Abstr.) **(Ita)**

[Medical engineering in urology] Watanabe H. **Iyodenshi To Seitai Kogaku** 1982 Dec;20(7):576–8 **(Jpn)**

[Clinical application of nuclear magnetic resonance computed tomography (NMR-CT) in urology (preliminary report)] Hara T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):215–21 (Eng. Abstr.) **(Jpn)**

[Value of bacteriologic studies of the ejaculate in examining men in infertile marriages] Voronin IuT, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):45–7 (5 ref.) (Eng. Abstr.) **(Rus)**

[Diagnosis of a urodynamic disorder of the upper urinary tract] Zhitnikova LN, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):69–73 (76 ref.) **(Rus)**

[Urodynamics] Derežić D. **Lijec Vjesn** 1983 Jun;105(6):251–4 (Eng. Abstr.) **(Scr)**

[Detection of uropathies in enuresis in children] Podesta E, et al. **An Esp Pediatr** 1984 Apr 15;20(6):597–603 (Eng. Abstr.) **(Spa)**

[Prostatitis or prostatodynia?] Rentzhog L, et al. **Lakartidningen** 1983 Nov 9;80(45):4312–5 (Eng. Abstr.) **(Swe)**

DIET THERAPY

Nutritional support in a general urological service. Wise GJ, et al. **J Urol** 1984 Feb;131(2):302–5

DRUG THERAPY

The oral treatment of urinary schistosomiasis in Egyptian patients with 'Oltipraz'. Abaza H, et al. **Trop Geogr Med** 1984 Jun;36(2):139–42

Comparative trial of oltipraz versus praziquantel in the treatment of urinary schistosomiasis in the Gabon. Burchard GD, et al. **Tropenmed Parasitol** 1984 Jun; 35(2):91–4

[Seishin-renshi-in therapy for patients with discomforts on the lower urinary tract] Ishibashi A, et al. **Hinyokika Kiyo** 1984 Feb;30(2):275–7 (Eng. Abstr.) **(Jpn)**

[Pharmacotherapy of urologic diseases in general practice] Zieliński J. **Wiad Lek** 1983 Dec 15;36(24):2073–6 **(Pol)**

ETIOLOGY

Mycoplasma infections of the human urogenital tract with particular reference to non-gonococcal urethritis. Taylor-Robinson D. **Ann Microbiol (Paris)** 1984 Jan–Feb; 135A(1):129–34

Uterine prolapse and urinary tract obstruction [letter] **Br Med J [Clin Res]** 1984 Jul 28;289(6439):250–1

Uterine prolapse and urinary tract obstruction. Young JB, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):41–2

Urological complications in gynecological surgery and radiotherapy. Kunz J. **Contrib Gynecol Obstet** 1984; 11:1–218

Causes of genitourinary symptoms in women [letter] **JAMA** 1984 Oct 5;252(13):1683–4

Neuro-muscular dysfunction of the lower urinary tract in multiple sclerosis. Van Poppel H, et al. **Paraplegia** 1983 Dec;21(6):374–9

Urologic complications in 718 renal transplant patients. Loughlin KR, et al. **Surgery** 1984 Mar;95(3):297–302

[Urologic complications of aortic aneurysm (letter)] Langeron P, et al. **Presse Med** 1983 Oct 29;12(38):2401 **(Fre)**

[Panarteritis nodosa—a urologic problem?] Egghart G, et al. **Urologe [Ausg A]** 1983 Sep;22(5):274–6 (Eng. Abstr.) **(Ger)**

[Obstruction of the fetal urinary system caused by a urethral valve—a case report] Klug PW, et al. **Z Geburtshilfe Perinatol** 1984 May–Jun;188(3):148–9 (Eng. Abstr.) **(Ger)**

[Urological complications following radical operations for rectal cancer] Kan DV, et al. **Khirurgiia (Mosk)** 1984 Mar; (3):96–100 **(Rus)**

[Changes in the uropoietic tract in children with myelomeningocele in our clinical material] Valanský L, et al. **Bratisl Lek Listy** 1984 Apr;81(4):481–7 (Eng. Abstr.) **(Slo)**

[Retrovesical hydatidosis] Fernández Larrañaga A, et al. **Actas Urol Esp** 1983 May–Jun;7(3):165–74 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

The genetics of urinary tract malformations. Carter CO. **J Genet Hum** 1984 Mar;32(1):23–9

[Diagnosis, treatment and prognosis of malformative uropathies] Genton N. **J Genet Hum** 1984 Mar;32(1):11–4 **(Fre)**

[Genetic studies in urologic and nephrologic diseases in children] Dzhavad-Zade MD, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):3–7 (25 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Intracellular Escherichia coli in urinary malakoplakia: a reservoir of infection and its therapeutic implications. Qualman SJ, et al. **Am J Clin Pathol** 1984 Jan;81(1):35–42

[Hospital infection in urology] Ashkov S, et al. **Khirurgiia (Sofiia)** 1983;36(3):243–8 **(Bul)**

[Chlamydia trachomatis urogenital infections] Cêtre JC, et al. **Ann Dermatol Venereol** 1984;111(2):177–91 (111 ref.) **(Fre)**

[Infectious urogenital manifestations caused by Chlamydiae. Clinical and therapeutic aspects] Siboulet A, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1982;(2–3):139–48 (Eng. Abstr.) **(Fre)**

[Serological passage of bacteria of the genus Providencia isolated from patients with wound, urological and intestinal infections] Raginskaia VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):44–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A study of some factors influencing the epidemiology of urinary schistosomiasis at Ifakara (Kilombero District, Morogoro Region, Tanzania). Zumstein A. **Acta Trop (Basel)** 1983 Sep;40(3):187–204

[Clinical statistics on inpatients, outpatients and operations at the Department of Urology, Toyooka General Hospital (1979–1981)] Arai Y, et al. **Hinyokika Kiyo** 1983 Jan; 29(1):77–82 (Eng. Abstr.) **(Jpn)**

[Clinical statistics on outpatients, inpatients and operations at the Department of Urology, Hyogo College of Medicine, in 1982] Ikoma F, et al. **Hinyokika Kiyo** 1983 Sep; 29(9):1127–32 (Eng. Abstr.) **(Jpn)**

[Clinical statistics on inpatients and operations in the Urological Department of the Wakayama Red Cross Hospital (April, 1979 to March, 1983)] Kitagawa M, et al. **Hinyokika Kiyo** 1984 Mar;30(3):311–9 (Eng. Abstr.) **(Jpn)**

[Gynecological urologic disease: a summary of clinical experience during the last 4 years at Wakayama Red Cross Hospital] Morimoto S, et al. **Hinyokika Kiyo** 1984 Feb; 30(2):159–67 (Eng. Abstr.) **(Jpn)**

[Clinical statistics on inpatients and operations at the Department of Urology, Nara Medical University, 1980] Okajima E, et al. **Hinyokika Kiyo** 1983 Feb;29(2):239–43 (Eng. Abstr.) **(Jpn)**

[Clinical statistics on patients admitted at the Department of Urology, Kyoto University Hospital, 1977–1982] Yoshida O, et al. **Hinyokika Kiyo** 1983 Sep;29(9):1115–25 (Eng. Abstr.) **(Jpn)**

[Risk factors for disorders in renal and upper urinary tract function after reconstructive surgery for occlusive lesions of the aorto-iliac segment] Khakimov ShSh. **Klin Khir** 1983 Dec;(12):18–20 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Epidermolysis bullosa dystrophica with urinary tract involvement. Eklöf O, et al. **J Pediatr Surg** 1984 Apr; 19(2):215–7

[Histological studies on non-neoplastic lesions of the urinary bladder epithelium. Second report: the influence of indwelling catheterization] Yamamoto A, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):290–4 (Eng. Abstr.) **(Jpn)**

[Histological studies on non-neoplastic lesions of the urinary bladder epithelium. First report: in 132 biopsy cases] Yamamoto A, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb;75(2):283-9 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Clinical correlation of urodynamic findings in patients with localized partial lesions of the spinal cord and cauda equina. Gunasekera WS, et al. **Surg Neurol** 1984 Feb;21(2):148-54

[Clinical significance of urodynamic studies of the lower urinary tract in the male] Venema PL, et al. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):908-16 (91 ref.) (Dut)

[State of the cardiovascular system in children with chronic urologic diseases] Derzhavin VM, et al. **Pediatriia** 1984 May;(5):32-5 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Medical prophylaxis of feline lower urinary tract disorders. Polzin DJ, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):661-75 (47 ref.)

RADIOGRAPHY

Evaluation of benign disease of the male pelvis by computed tomography. Goff WB 2d. **J Am Osteopath Assoc** 1984 Jul;83(11):797-9

Computed tomography of pediatric urinary tract disease. Kirks DR. **Urol Radiol** 1983;5(3):199-210

Trends in pediatric uroradiology. Lebowitz RL, et al. **Urol Radiol** 1983;5(3):135-47

[Intervention radiology in gynecology] Günther R. **Gynakologe** 1983 Dec;16(4):214-21 (22 ref.) (Ger)

[Radiological findings in bilharziasis of the urinary tract] Persigehl M, et al. **ROFO** 1983 Nov;139(5):521-4 (Eng. Abstr.) (Ger)

[X-ray study of the urinary system in patients with echinococcosis of the liver and abdominal cavity] Gol'dfarb MG, et al. **Urol Nefrol (Mosk)** 1984 Mar-Apr;(2):19-22 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Diuretic renography in the assessment of urinary tract dilatation in children. Abramson SJ, et al. **Pediatr Radiol** 1983;13(6):319-23

Radionuclide scanning--new applications in urology. Kramer EL, et al. **Urology** 1984 May;23(5):468-77

[Radionuclide nephro-urologic diagnosis - its value in clinical diagnosis] Mende T. **Z Gesamte Inn Med** 1983 Oct 1;38(19):201-4 (Eng. Abstr.) (Ger)

REHABILITATION

[Primary disability in urologic diseases] Gorbachev AG, et al. **Urol Nefrol (Mosk)** 1984 Jan-Feb;(1):57-60 (Eng. Abstr.) (Rus)

SURGERY

Neonatal surgery II. Kolihová E, et al. **Acta Univ Carol [Med Monogr] (Praha)** 1980;98:1-103

Obstruction of the fetal urinary tract: a role for surgical intervention in utero? [letter] McFadyen IR. **Br Med J [Clin Res]** 1984 May 12;288(6428):1454

Obstruction of the fetal urinary tract: a role for surgical intervention in utero? McFadyen IR. **Br Med J [Clin Res]** 1984 Feb 11;288(6415):459-62

Second opinion for urologic surgery. Schlossberg SM, et al. **J Urol** 1984 Feb;131(2):209-12

Laser photoradiation in urologic surgery. Smith JA Jr, et al. **J Urol** 1984 Apr;131(4):631-5 (41 ref.)

Instrumentation for urologic laser surgery. Sacknoff EJ. **Med Instrum** 1983 Nov-Dec;17(6):404-6

CO2 lasers in urology. Rosemberg SK. **Mich Med** 1984 Jun; 83(30):282

Cavitron ultrasonic surgical aspirator. Applications in urologic surgery. Addonizio JC, et al. **Urology** 1984 May; 23(5):417-20

Basic microvascular techniques and principles. Banowsky LH. **Urology** 1984 May;23(5):495-503

Lasers in urology. II. Laser therapy. Stein BS, et al. **Urology** 1984 May;23(5):411-6

Lasers in urology. I. Laser physics and safety. Stein BS, et al. **Urology** 1984 May;23(5):405-10

[Microbiologic studies of closed-wound drainage following urologic surgery] Ieger N, et al. **Khirurgiia (Sofiia)** 1983; 36(5):465-8 (Bul)

[Microsurgery in urology] Guillemin P. **Acta Urol Belg** 1983; 51(4):383-4 (Fre)

[Percutaneous nephrostomy: technic and possibilities for application] Janetschek G, et al. **Helv Chir Acta** 1983 Jun; 50(3):317-20 (Eng. Abstr.) (Ger)

[Thrombosis following urologic operations despite low-dose heparin prophylaxis - hemostaseologic studies] Marx FJ, et al. **Helv Chir Acta** 1983 Jun;50(3):263-8 (Eng. Abstr.) (Ger)

[Anesthesiologic and operative procedures for extensive urologic surgery] Büttner W, et al. **Intensivmed Prax** 1983 Oct;6:67-72 (Ger)

[Concept of interdisciplinary procedures within the scope of traumatology--the status of urology] Zwergel T, et al. **Unfallchirurgie** 1983 Oct;9(5):244-8 (Eng. Abstr.) (Ger)

[Epidural anesthesia in urologic practice] Felek C, et al. **Orv Hetil** 1983 Sep 25;124(39):2377-80 (Eng. Abstr.) (Hun)

[The effect of prostaglandin F2 alpha on the gastrointestinal movement after urological surgery] Higashi Y, et al. **Hinyokika Kiyo** 1983 Jan;29(1):113-7 (Eng. Abstr.) (Jpn)

[Clinical studies on topical hemostat Avitene in urological surgery] Kubo S, et al. **Hinyokika Kiyo** 1984 Jan; 30(1):131-4 (Eng. Abstr.) (Jpn)

[Suture materials in urology] Bakke A, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29;104(6):410-2 (Eng. Abstr.) (Nor)

[Characteristics of preoperative care and the management of the postoperative period in urologic patients of advanced age] Gorilovskiĭ LM. **Sov Med** 1983;(8):96-9 (Rus)

[Complications of transurethral operations, their prevention and treatment] Simonov VIa, et al. **Urol Nefrol (Mosk)** 1983 Sep-Oct;(5):32-6 (9 ref.) (Eng. Abstr.) (Rus)

[Comparative characteristics of changes in the levels of blood catecholamines and indices of central hemodynamics with various kinds of premedication and induction anesthesia in children] Mikhel'son VA, et al. **Vestn Akad Med Nauk SSSR** 1983;(10):55-9 (Eng. Abstr.) (Rus)

THERAPY

Urinary tract disorders in children: new approaches. Retik A. **Hosp Pract [Off]** 1984 Aug;19(8):121-7, 130-5

The effect of epidural morphine on ureteral colic and spasm of the bladder. Olshwang D, et al. **Pain** 1984 Jan; 18(1):97-101

[Treatment of patients with indwelling catheters at an outpatient clinic] Mercz L, et al. **Orv Hetil** 1983 Aug 14; 124(33):1989-94 (Eng. Abstr.) (Hun)

[Staged treatment and dispensary care of children with urinary diseases] Naumova VI, et al. **Pediatriia** 1984 Jun; (6):3-6 (Rus)

[Reflexotherapy in diseases of the kidneys, urinary tract and male genitalia] Tkachuk VN, et al. **Urol Nefrol (Mosk)** 1983 Sep-Oct;(5):63-8 (88 ref.) (Rus)

[Prolonged drug perfusion of the retroperitoneal space in urological practice] Popov VA, et al. **Voen Med Zh** 1984 Jun;(6):51-2 (Rus)

[Physical therapy of patients with urologic diseases] Nesterov NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun;(3):69-72 (Rus)

TRANSMISSION

Reiter's syndrome in male sexual partners of females with Reiter's syndrome or suspicion of it. Vilppula AH, et al. **Clin Rheumatol** 1983 Dec;2(4):353-6

Urogenital involvements in female sexual partners of males with Reiter's syndrome. Vilppula AH, et al. **Clin Rheumatol** 1983 Dec;2(4):339-45

URINE

[The excretion of N-acetyl-beta-D-glucosaminidase in the urine of children with urinary tract diseases] Zandvliet EE, et al. **Tijdschr Kindergeneeskd** 1983 Aug;51(4):135-8 (Eng. Abstr.) (Dut)

[Urinary acidification in unilateral obstructive uropathy. 3. Studies on urinary acidification] Nakajima H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):758-64 (Eng. Abstr.) (Jpn)

[Urinary acidification in bilateral obstructive uropathy. 2. Studies on Urinary acidification] Nakajima H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 May;74(5):744-57 (Eng. Abstr.) (Jpn)

[Radioimmunological method for determining Pseudomonas aeruginosa in the urine of urological patients] Zueva LP, et al. **Med Radiol (Mosk)** 1984 Jul;29(7):65-6 (Rus)

VETERINARY

Management of acute illness in cats. Feline urologic syndrome. Hause WR. **Mod Vet Pract** 1984 May; 65(5):359-62

Diseases of the urinary system of sheep and goats. Kimberling CV, et al. **Vet Clin North Am [Large Anim Pract]** 1983 Nov;5(3):637-55 (67 ref.)

Symposium on urogenital surgery. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):1-144

Symposium on disorders of the feline lower urinary tract. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):407-717

Postoperative radiography of the urinary system. Barber DL. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):31-48 (49 ref.)

Diagnostic procedures in urology. Barsanti JA. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):3-14 (27 ref.)

The feline urologic syndrome induced by infection with a cell-associated herpesvirus. Fabricant CG. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):493-502 (39 ref.)

Anesthesia for urogenital surgery. Klide AM. **Vet Clin North Am [Small Anim Pract]** 1984 Jan;14(1):15-29 (39 ref.)

Urinary tract disease in cats. Water balance studies, urolith and crystal analyses, and necropsy findings. Lawler DF, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):537-53 (35 ref.)

The role of infectious agents in naturally occurring feline urologic syndrome. Martens JG, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):503-11 (35 ref.)

Epidemiology of naturally occurring feline urologic syndrome. Willeberg P. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):455-69 (42 ref.)

UROLOGIC NEOPLASMS

Ocular metastases from transitional cell carcinoma of the urinary tract. Pe'er J, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(4):137-41

Malignant urachal lesions. Sheldon CA, et al. **J Urol** 1984 Jan;131(1):1-8 (97 ref.)

Progress and controversies in oncological urology. Proceedings of an International Symposium. Noordwijkerhout, The Netherlands, September 8-10, 1983. **Prog Clin Biol Res** 1984;153:1-608

[Diagnosis of skeletal metastasis of urologic neoplasms by whole-body bone gammagraphy with 99mTc-MDP. Correlation with radiology and laboratory tests] Caballero Cárpena O. **Arch Esp Urol** 1984 May-Jun;37(3):199-207 (Eng. Abstr.) (Spa)

ANALYSIS

The secretory immunoglobulin system in urothelial neoplasia. Kirkham N, et al. **Diagn Histopathol** 1983 Apr-Jun; 6(2):85-8

Primary carcinoma in situ and dysplasia of the upper urinary tract: microspectrophotometric study of nuclear DNA content. Takeuchi T, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2009-16

BLOOD

Fibrinogen degradation products in urological malignant tumors. Riedmiller H, et al. **Urol Int** 1984;39(1):13-5

COMPLICATIONS

[Balkan endemic nephropathy and tumors of the excretory system] Dimitrov Ts. **Vutr Boles** 1983;22(6):19-33 (Bul)

[Thromboembolism and tumor embolism of the pulmonary artery as a cause of death in oncourologic diseases] Samsonov VA. **Arkh Patol** 1983;45(10):73-6 (Eng. Abstr.) (Rus)

DIAGNOSIS

Urinary cytology: a twelve-year review. Schuldheisz KD. **Wis Med J** 1984 Apr;83(4):27-30

[Echography of tumors with multiple localizations in the urinary tract. Apropos of 2 cases] Sibert A, et al. **J Radiol** 1984 Jan;65(1):31-4 (Eng. Abstr.) (Fre)

[Assessment of urinary ferritin, CEA and beta 2-MG determinations in patients with urinary tract malignancies] Ohashi T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):131-9 (Eng. Abstr.) (Jpn)

[Assessment of serum ferritin, CEA, beta 2-MG and PAP determinations in patients with urinary tract malignancies] Ohashi T, et al. **Hinyokika Kiyo** 1983 Feb;29(2):141-53 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Combination chemotherapy including adriamycin for advanced transitional cell carcinoma of the urinary tract. Kotake T, et al. **Cancer Chemother Pharmacol** 1983;11 Suppl:S38-42

Conventional and high dose cis-platinum in urological cancer. Javadpour N. **J Urol** 1984 Sep;132(3):617

Adjuvant chemotherapy in urological tumors. Stoter G, et al. **Prog Clin Biol Res** 1984;153:587-93 (18 ref.)

[Cytostatic therapy in urology (editorial)] Strohmenger P. **Urologe [Ausg A]** 1983 Sep;22 Suppl:303 (Ger)

[Chemotherapy of urothelial cancer with vincristine, mitomycin C, bleomycin, tegafur and OK-432] Fujihiro S, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):427-32 (Eng. Abstr.) (Jpn)

[Phase II study of UFT for malignant tumors of urinary organs] Shida K, et al. **Gan To Kagaku Ryoho** 1984 Jun; 11(6):1307-14 (Eng. Abstr.) (Jpn)

[Chemotherapy of metastatic urothelial carcinoma. cis-Diamminedichloroplatinum combination chemotherapy for patients with decreased renal function] Kihara K, et al. **Hinyokika Kiyo** 1984 Jan;30(1):21-8 (Eng. Abstr.) (Jpn)

[Allergic reaction to CDDP: report of 4 cases] Tachibana Y, et al. **Hinyokika Kiyo** 1984 Feb;30(2):229-34 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Evaluation of serum prostate-specific antigen in urologic cancers. Takeuchi T, et al. **J Surg Oncol** 1983 Oct; 24(2):157-60

[Studies on human natural killer (NK) cell activity against cell lines derived from malignant urinary tract tumors. Part 1. Effects of human interferon-beta on augmentation of NK cell activity and its mechanism] Hayakawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jan;75(1):32-42

(Eng. Abstr.) (Jpn)
[Studies on human natural killer (NK) cell activity against cell lines derived from malignant urinary tract tumors. Part II: Specificity of NK cell activity of IFN-stimulated PBL against cell lines derived from malignant urinary tract tumors] Hayakawa M, et al.
Nippon Hinyokika Gakkai Zasshi 1984 Jan;75(1):43–52 (Eng. Abstr.) (Jpn)
[Detection of circulating immune complexes and their blocking effect on cell-mediated cytotoxicity in patients with urological cancers] Kobayashi K.
Nippon Hinyokika Gakkai Zasshi 1983 Sep;74(9):1674–86 (Eng. Abstr.) (Jpn)

MORTALITY

[Descriptive epidemiologic study of mortality in malignant tumors of the bladder and other urinary organs in Spain 1951–1978] Sáiz Sánchez C, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):403–13 (Eng. Abstr.) (Spa)

OCCURRENCE

[The clinical study on 96 cases of uroepithelial cancer of the upper urinary tract] Nakamura J, et al.
Nippon Hinyokika Gakkai Zasshi 1984 Mar;75(3):459–66 (Eng. Abstr.) (Jpn)

PATHOLOGY

New imaging techniques in the staging of urological tumors (kidney, retroperitoneal lymph nodes and tumors). Altwein JE. **Prog Clin Biol Res** 1984;153:23–38 (41 ref.)
Analytical cytology: its role in urological oncology. Tanke HJ, et al. **Prog Clin Biol Res** 1984;153:39–48 (32 ref.)
[Metastatic melanoblastoma of the kidneys and urinary tract] Aivazian AV, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug; (4):65–7 (Rus)

RADIOGRAPHY

Value of chest computed tomography in genitourinary malignancies. Sutton S, et al. **Urology** 1983 Dec;22(6):667–8

RADIOTHERAPY

Radiotherapeutic treatment of metastasized urological malignancies. van der Werf-Messing BH.
Prog Clin Biol Res 1984;153:577–83

SECONDARY

Upper urinary tract transitional cell cancer after radical cystectomy for bladder cancer. Zincke H, et al. **J Urol** 1984 Jan;131(1):50–2

SURGERY

Immediate postoperative feeding in urological surgery. Seidmon EJ, et al. **J Urol** 1984 Jun;131(6):1113–8

THERAPY

Percutaneous embolization of urological tumors. Hunold J, et al. **Recent Results Cancer Res** 1983;86:44–5

UROLOGY

see related
UROLOGIC DISEASES

Is cervical spondylosis an occupational hazard for urologists? Whitaker RH, et al. **Br J Urol** 1983 Dec;55(6):585–7
Sexual impotency: counseling of 388 private patients by urologist from 1954 to 1982. Finkle AL, et al. **Urology** 1984 Jan;23(1):25–30
[Is the field delimitation between urology and gynecology desirable?] de Bruin AJ. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1106–7 (Dut)

EDUCATION

History of the Division of Urology of the University of Illinois College of Medicine. Kiefer JH. **IMJ** 1983 Dec; 164(6):498–508
Resident research, part-time. Hinman F Jr. **J Urol** 1984 Feb; 131(2):358–62
[Postgraduate education in urology in the Czech Socialist Republic] Hradec E. **Cas Lek Cesk** 1983 Sep 16; 122(37):1121–3 (Cze)

HISTORY

Urology in the Ottawa valley. Collins WE. **Can J Surg** 1983 Sep;26(5):423–6
History of cystometry. Ek A, et al. **Urology** 1983 Sep; 22(3):335–50
Measurement of urinary flow rate. Ryall RL, et al.
Urology 1983 Nov;22(5):556–64
Giovanni Battista Morgagni: his contributions to urology. Valvo JR, et al. **Urology** 1983 Oct;22(4):452–7
[Development of urology in Hungary between the two world wars] Balogh F. **Orv Hetil** 1984 Jan 8;125(2):101–8 (Hun)
[Memorable anniversary dates in the history of urology and allied sciences in 1984] Tkachuk VN.
Urol Nefrol (Mosk) 1984 Jan–Feb;(1):72–4 (Rus)

INSTRUMENTATION

Who shall 'cut' for the stone? [editorial] Resnick MI.
J Urol 1984 Feb;131(2):319
Instrumentation for urologic laser surgery. Sacknoff EJ.
Med Instrum 1983 Nov–Dec;17(6):404–6
A probe for measurements of related values of cross-sectional area and pressure in the resting female urethra. Colstrup H, et al. **Urol Res** 1983;11(3):139–43
[Urodynamics. I. Validity, possibilities of examinatio and prerequisities of measurement technics] Wehnert J, et al.
Z Urol Nephrol 1983 Aug;76(8):549–55 (Ger)

MANPOWER

Medical manpower and urological practice [editorial] Glenn JF. **J Urol** 1984 Jun;131(6):1145

METHODS

The role of nuclear medicine in clinical urology and nephrology. Blaufox MD, et al. **J Nucl Med** 1984 May; 25(5):619–25
Application of ultrasonic M-mode scanning and computer evaluation on urodynamics. Nishizawa O, et al.
Tohoku J Exp Med 1983 Nov;141(3):369–70
Advances in urologic technology. Introduction. Morales P.
Urology 1984 May;23(5 Spec No):1

TRENDS

Paediatric urology in the evolution of surgery. Williams DI.
Ann R Coll Surg Engl 1984 May;66(3):159–63
Microcomputers and microprocessors in urology: present and future. Glen ES. **Br J Urol** 1983 Dec;55(6):588–90
The role of gynecologic urology in gynecology. Warenski JC. **Clin Obstet Gynecol** 1984 Jun;27(2):431–3

UROLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

URONIC ACIDS

ANALYSIS

Automated analysis of uronic acids by high-performance liquid chromatography with photometric and fluorimetric postcolumn labelling using 2-cyanoacetamide. Honda S, et al. **Anal Biochem** 1983 Oct 1;134(1):34–9
Galacturonic acid as the terminal constituent in the R core polysaccharide of proteus R110 (Ra) mutant. Kotelko K, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(6):833–8
Specific association of iduronic acid-rich dermatan sulphate with the extracellular matrix of human skin fibroblasts cultured on collagen gels. Gallagher JT, et al.
Biochem J 1983 Oct 1;215(1):107–16
Peplomycin sulfate and pulmonary fibrosis: hydroxyproline, uronic acid, proline hydroxylase and glucosamine 6-phosphate synthetase in lungs of hamsters treated with peplomycin. Yoshida A, et al. **J Antibiot (Tokyo)** 1983 Aug; 36(8):1067–75
Improved analytical method for the hexuronic acids at the reducing terminals of glycosaminoglycans. Majima M, et al. **J Biochem Biophys Methods** 1984 Jul;9(3):245–9
The sulphate content of dermal and urinary glycosaminoglycans in psoriatics with increased excretion and increased dermal content of glycosaminoglycans. Poulsen JH, et al. **Scand J Clin Lab Invest** 1983 May; 43(3):223–5

CEREBROSPINAL FLUID

Demonstration of uronic acid capsular material in the cerebrospinal fluid of a patient with meningitis caused by mucoid Pseudomonas aeruginosa. Stevens D, et al.
J Clin Microbiol 1984 Jun;19(6):942–3

ISOLATION & PURIFICATION

The primary structure of teichuronic acid in Bacillus subtilis AHU 1031. Yoneyama T, et al. **Eur J Biochem** 1984 May 15;141(1):85–9

PHARMACODYNAMICS

Suppression of hepatic lipogenesis by pectin and galacturonic acid orally-fed at the separate timing from digestion-absorption of nutrients in rat. Suzuki M, et al.
J Nutr Sci Vitaminol (Tokyo) 1983 Oct;29(5):553–62
[Biochemical changes in rats after intraperitoneal administration of Traumacel P] Polívková J, et al.
Cas Lek Cesk 1983 Nov 4;122(44):1368–70 (Eng. Abstr.) (Cze)

THERAPEUTIC USE

High-effective aluminium free phosphate binder. In vitro and in vivo studies. Schneider H, et al.
Proc Eur Dial Transplant Assoc 1983;20:725–30

UROPEPSIN

URINE

[Urinary enzyme determination and its clinical significance. A. Enzymes derived from the digestive system. 2. Pepsinogen] Miki K. **Rinsho Byori** 1983 Sep;Spec No 56:16–21 (63 ref.) (Jpn)

UROPORPHYRINOGEN DECARBOXYLASE see under **CARBOXY-LYASES**

UROPORPHYRINOGEN ISOMERASE see under **ISOMERASES**

UROPORPHYRINOGEN I SYNTHASE see under **AMMONIA-LYASES**

UROPORPHYRINOGENS see under **PORPHYRINOGENS**

UROPORPHYRINS see under **PORPHYRINS**

UROTENSINS see under **PEPTIDES**

URSODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

URTICARIA

Symptomatic dermographism: natural history, clinical features laboratory investigations and response to therapy. Breathnach SM, et al. **Clin Exp Dermatol** 1983 Sep; 8(5):463–76
[Urticaria] Schulz KH. **Internist (Berlin)** 1983 Oct; 24(10):556–62 (Ger)
[Urticariform vasculitis] Jiménez Reyes J, et al.
Rev Clin Esp 1984 Mar 31;172(6):311–3 (23 ref.) (Spa)

BLOOD

On the role of the C1-esterase inhibitor in cold urticaria. Nilsson T, et al. **Acta Derm Venereol (Stockh)** 1984; 64(3):197–202
Release of platelet factor 4 into the blood after cold challenge of patients with cold urticaria. Wasserman SI, et al.
J Allergy Clin Immunol 1984 Sep;74(3 Pt 1):275–9

CHEMICALLY INDUCED

Prostaglandins in contact urticaria induced by benzoic acid. Lahti A, et al. **Acta Derm Venereol (Stockh)** 1983; 63(5):425–7
Aspirin-induced recurrent urticaria and recurrent angioedema in non-atopic children. Botey J, et al.
Ann Allergy 1984 Sep;53(3):265–7
Urticaria and angioedema can be caused by food additives and dyes [letter] Brown EB. **Ann Allergy** 1984 Mar;52(3 Pt 1):200
Chronic urticaria secondary to aminobenzoic acid. Thomas DR, et al. **Arch Dermatol** 1984 Jul;120(7):961–2
Effect of aspirin in 'aspirin sensitive' patients. Asad SI, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):745–8
Multiple application delayed onset contact urticaria: possible relation to certain unusual formalin and textile reactions? Andersen KE, et al. **Contact Dermatitis** 1984 Apr; 10(4):227–34
Contact urticaria and dermatitis to Alphaderm. Boyle J, et al. **Contact Dermatitis** 1984 Mar;10(3):178
Contact urticaria to phosphorus sesquisulphide. Burge SM, et al. **Contact Dermatitis** 1983 Sep;9(5):424
Contact urticaria to rouge. de Groot AC, et al.
Contact Dermatitis 1983 Jul;9(4):322
Allergic contact urticaria due to chloramine.
Dooms-Goossens A, et al. **Contact Dermatitis** 1983 Jul; 9(4):319–20
Contact urticaria to zinc diethyldithiocarbamate (ZDC). Helander I, et al. **Contact Dermatitis** 1983 Jul;9(4):327–8
Contact urticaria from aminophenazone. Lombardi P, et al.
Contact Dermatitis 1983 Sep;9(5):428–9
Contact urticaria from winged bean the (Psophocarpus tetragonolobus). Lovell CR, et al. **Contact Dermatitis** 1984 May;10(5):314–5
Contact urticaria from natural latex gloves. Meding B, et al. **Contact Dermatitis** 1984 Jan;10(1):52–3
Contact urticaria from plastic shower curtains. Mitchell JC.
Contact Dermatitis 1983 Jul;9(4):329
Urticaria from ranitidine. Picardo M, et al.
Contact Dermatitis 1983 Jul;9(4):327
Irritant contact urticaria to diethyl fumarate. White IR, et al. **Contact Dermatitis** 1984 May;10(5):315
Insulin hypersensitivity. Berman BA, et al. **Cutis** 1983 Oct; 32(4):320, 328, 330 passim
Contact urticaria and allergic contact dermatitis caused by paraphenylenediamine. Edwards EK Jr, et al. **Cutis** 1984 Jul;34(1):87–8
Drug eruption secondary to trazodone: a recently introduced antidepressant [letter] Cohen LE. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 1):303–5
Urticaria and fixed drug eruption in a patient treated with griseofulvin. Feinstein A, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 2):915–7
The effect of quenching agents on contact urticaria caused by cinnamic aldehyde. Guin JD, et al.
J Am Acad Dermatol 1984 Jan;10(1):45–51
Contact urticaria and airway obstruction from carbonless copy paper. Marks JG Jr, et al. **JAMA** 1984 Aug 24–31; 252(8):1038–40
Urticaria induced by D-psicose [letter] Nishioka K, et al.
Lancet 1983 Dec 17;2(8364):1417–8

[A major complication of hysterosalpingography] Capdeville R, et al. **J Radiol** 1983 Oct;64(10):561–2 (Eng. Abstr.) **(Fre)**

[Contact urticaria caused by skin test in pyrazolone allergy] Maucher OM, et al. **Hautarzt** 1983 Aug;34(8):383–6 (Eng. Abstr.) **(Ger)**

[Green urticaria] van Hecke E, et al. **Hautarzt** 1983 Dec; 34(12):638–9 (Eng. Abstr.) **(Ger)**

[Drug-induced urticaria] Rudzki E, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):389–93 (Eng. Abstr.) **(Pol)**

[Idiosyncrasy to aspirin and leukotrienes] Orea Solano M. **Alergia** 1983 Oct;30(4):153–8 (Eng. Abstr.) **(Spa)**

[Urticaria—angioedema induced by non-steroidal anti-inflammatory analgesics] Díez Gómez ML, et al. **Allergol Immunopathol (Madr)** 1984 May–Jun;12(3):179–88 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Dermographism and patch test reactions. Mathias CG. **Contact Dermatitis** 1984 Feb;10(2):110

Routine sinus roentgenograms and chronic urticaria [letter] Nelson H. **JAMA** 1984 Apr 6;251(13):1680–1

Association between urticaria and hypothyroidism [letter] Lanigan SW, et al. **Lancet** 1984 Jun 30;1(8392):1476

Urticaria associated with campylobacter enteritis [letter] Lopez-Brea M, et al. **Lancet** 1984 Jun 16;1(8390):1354

Association between autoimmune thyroid disease, atopy, and urticaria? [letter] Moens HJ, et al. **Lancet** 1984 Sep 8; 2(8402):582–3

Vasculitis in children with acute urticaria. Tunçer A, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):109–18

[Rare association of urticaria and Basedow's disease (letter)] Cailleba A, et al. **Presse Med** 1984 Apr 7;13(15):942 **(Fre)**

[Esophago-gastro-duodenal endoscopic findings in patients with urticaria] Carabelli A, et al. **Minerva Med** 1983 Nov 10;74(43):2617–20 (Eng. Abstr.) **(Ita)**

[Hypocomplement urticariform vasculitis associated with chronic obstructive pulmonary disease. Report of a case and review of the literature] Díez Gómez ML, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):261–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Laboratory investigations in chronic urticaria and acquired angio-oedema. Dupont C. **Br J Clin Pract** 1984 Jun; 38(6):224, 238

Persisting cholinergic erythema: a variant of cholinergic urticaria. Murphy GM, et al. **Br J Dermatol** 1983 Sep; 109(3):343–8

Urticarial vasculitis. Guin JD. **J Arkansas Med Soc** 1983 Dec; 80(7):308–9

[Allergic and pseudoallergic reactions of the urticaria skin and mucous membranes due to food components with special reference to food and RAST] Illig L, et al. **Z Hautkr** 1984 Jun 15;59(12):793–813 (Eng. Abstr.) **(Ger)**

[Chronic urticaria. I.] Giannetti A, et al. **G Ital Dermatol Venereol** 1984 Mar–Apr;119(2):105–8 (Eng. Abstr.) **(Ita)**

[A new pruritic dermatosis of pregnancy. Pruritic urticarial papules and plaques of pregnancy] Nyrud M. **Tidsskr Nor Laegeforen** 1983 Sep 10;103(25):1754–5 (Eng. Abstr.) **(Nor)**

DIET THERAPY

Pseudo-allergen-free diet in chronic urticaria. Verschave A, et al. **Dermatologica** 1983;167(5):256–9

DRUG THERAPY

The effect of terfenadine on dermographic wealing. Krause LB, et al. **Br J Dermatol** 1984 Jan;110(1):73–9

The effect of large doses of H1 antagonists in urticaria [letter] Warin RP. **Br J Dermatol** 1984 Jul;111(1):121

Treatment of chronic idiopathic urticaria with terfenadine. Cerio R, et al. **Clin Allergy** 1984 Mar;14(2):139–41

A case of chronic urticaria and vitiligo, associated with thyroiditis, treated with PUVA. Midelfart K, et al. **Dermatologica** 1983;167(1):39–41

Successful treatment of chronic idiopathic urticaria and angioedema with cimetidine alone. Farnam J, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):842–5

Acquired cold urticaria: H1 and H2 antagonists versus cold induced histamine release. Katayama I, et al. **J Dermatol (Tokyo)** 1983 Aug;10(4):377–82

Successful treatment of chronic urticaria with mefenamic acid. LeBow JR. **J Fam Pract** 1983 Nov;17(5):915–6, 920

Exercise-induced urticaria and angio-oedema with relief from cromoglycate insufflation. Hatty S, et al. **Postgrad Med J** 1983 Sep;59(695):586–7

[Drug modification of mechanically evoked itching and the concomitant equivalents, erythema and wheals of the skin. Clinico-experimental studies] Haas PJ. **Fortschr Med** 1983 Nov 10;101(42):1939–43 (Eng. Abstr.) **(Ger)**

[Syndromes of the urticaria group] Maucher OM. **Med Monatsschr Pharm** 1983 Aug;6(8):232–7 **(Ger)**

[Effect of ketotifen and oxatomide on histamine liberation due to exposure in cold urticaria] Sauer RR, et al. **Z Hautkr** 1983 Dec 15;58(24):1768–72 (Eng. Abstr.) **(Ger)**

[Results of treatment of chronic urticaria with prenylamine] Broniarczyk-Dyła G, et al. **Przegl Dermatol** 1983 Mar–Apr; 70(2):217–9 (Eng. Abstr.) **(Pol)**

[Ketotifen in the treatment of chronic urticaria and angioneurotic edema] Piñol J, et al. **Allergol Immunopathol (Madr)** 1984 Jan–Feb;12(1):19–27 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Heat urticaria clinically simulating solar urticaria. González JR, et al. **Bol Asoc Med PR** 1984 May;76(5):188–91

Acute urticaria due to alcohol [letter] Warin RP. **Br J Dermatol** 1983 Dec;109(6):723

Localised heat urticaria and its management. Tatnall FM, et al. **Clin Exp Dermatol** 1984 Jul;9(4):367–74

Contact urticaria to rubber gloves. Kleinhans D. **Contact Dermatitis** 1984 Feb;10(2):124–5

Contact urticaria from fish, honey and peach skin. Lombardi P, et al. **Contact Dermatitis** 1983 Sep;9(5):422–3

Contact urticaria provoked by pickles. Edwards EK Jr, et al. **Cutis** 1984 Feb;33(2):230

Follicular dermographism. Shelley WB, et al. **Cutis** 1983 Sep; 32(3):244–5, 254, 260

Scabies: a cause of generalized urticaria. Witkowski JA, et al. **Cutis** 1984 Mar;33(3):277–9

Unusual cold-induced disorders: cold-dependent dermatographism and systemic cold urticaria. Kaplan AP. **J Allergy Clin Immunol** 1984 Apr;73(4):453–6

Exercise-induced hives. Kaplan AP. **J Allergy Clin Immunol** 1984 May;73(5 Pt 2):704–7

The biology, medical significance and control of processionary caterpillars. Burgess NR, et al. **J R Army Med Corps** 1983 Oct;129(3):178–81

Dermatomyositis with urticated lesions. Payne CM, et al. **J R Soc Med** 1984 Feb;77(2):137–8

Circadian urticaria: another campylobacter association [letter] Bretag AH, et al. **Lancet** 1984 Apr 28;1(8383):954

The multiple etiology of food hypersensitivity. Atkins FM. **Nutr Rev** 1983 Aug;41(8):245–8

Cold-induced urticaria in infancy. Ting S. **Pediatrics** 1984 Jan;73(1):105–6

Cold urticaria with infectious mononucleosis: case report. Anderson RH. **Va Med** 1983 Sep;110(9):549–50

Plasma exchange in myasthenia gravis complicated with complement activation and urticarial reactions using fresh-frozen plasma as replacement solution. Rosenkvist J, et al. **Vox Sang** 1984;46(1):13–8

[Chronic urticaria in the dermatology clinic] Ehlers G. **Z Hautkr** 1983 Nov 1;58(21):1576–82 (Eng. Abstr.) **(Ger)**

[Urticaria and Quincke's edema caused by chironomid larva (Chironomus thummi thummi) as fishfood] Mittelbach F. **Z Hautkr** 1983 Nov 1;58(21):1548–55 (Eng. Abstr.) **(Ger)**

[A dramatic presentation of primary idiopathic cold urticaria] Kursbaum A, et al. **Harefuah** 1983 May 1;104(9):393–4 (Eng. Abstr.) **(Heb)**

[UV-induced solar urticaria] Goitre M, et al. **G Ital Dermatol Venereol** 1983 Nov–Dec;118(6):397 **(Ita)**

[Chronic urticaria. II. Follow-up of 69 patients (etiological and therapeutic study)] Seidenari S, et al. **G Ital Dermatol Venereol** 1984 Mar–Apr;119(2):109–12 (Eng. Abstr.) **(Ita)**

[Cold urticaria] Orbeck-Nilssen A, et al. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):509–10 (Eng. Abstr.) **(Nor)**

[Etiopathogenesis and clinical aspects of contact urticaria] Rudzki E. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):337–40 **(Pol)**

[Allergic reaction to tavegyl] Savchak VI. **Vestn Dermatol Venerol** 1984 Jan;(1):47 (Eng. Abstr.) **(Rus)**

[Cholinergic urticaria with an anaphylactic reaction to physical stress] Mijailović B, et al. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):127–9 **(Scr)**

[100 cases of chronic urticaria] Robbio Troyano L. **Alergia** 1983 Jul;30(3):109–17 (Eng. Abstr.) **(Spa)**

[Urticaria and systemic lupus erythematosus (letter)] Martín Mola E, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):694–6 **(Spa)**

FAMILIAL & GENETIC

[Familial urticaria induced by cold (letter)] Pachón Díaz J, et al. **Med Clin (Barc)** 1984 Feb 4;82(4):183 **(Spa)**

IMMUNOLOGY

Assay, purification and further characterization of 7S C1q-precipitins (C1q-p) in hypocomplementemic vasculitis urticaria syndrome and systemic lupus erythematosus. Marder RJ, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:25–34

The role of circulating immune complexes in the aetiology of polymorphic eruption of pregnancy. Kasp-Grochowska E, et al. **Arch Dermatol Res** 1984;276(2):71–3

Localized heat urticaria associated with a decrease in serum complement factor B (C3 proactivator). Johansson EA, et al. **Br J Dermatol** 1984 Feb;110(2):227–31

Specific desensitization in 'aspirin-sensitive' urticaria; plasma prostaglandin levels and clinical manifestations. Asad SI, et al. **Clin Allergy** 1983 Sep;13(5):459–66

Short-term anaphylactic antibodies in contact urticaria and generalized anaphylaxis to apple. Pigatto PD, et al. **Contact Dermatitis** 1983 Nov;9(6):511

Immunochemical studies on an IgG lambda cryoglobulin in cold-induced urticaria. Jørgensen M, et al. **Eur J Clin Invest** 1984 Apr;14(2):135–41

Late cutaneous reactions in patients with delayed pressure urticaria. Davis KC, et al. **J Allergy Clin Immunol** 1984 Jun;73(6):810–2

The hypocomplementemic urticarial-vasculitis syndrome: therapeutic response to hydroxychloroquine. Lopez LR, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):600–3

Lymphocyte subpopulations in the skin of patients with chronic urticaria. Mekori YA, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):681–4

Cold urticaria. Gopinathan VP, et al. **J Assoc Physicians India** 1983 Jul;31(7):463–4

Urticaria in childhood: pathogenesis and management. Twarog FJ. **Pediatr Clin North Am** 1983 Oct;30(5):887–98 (51 ref.)

[Allergological study of patients with urticaria. A cost-benefit analysis] Jørgensen J. **Ugeskr Laeger** 1983 Sep 12;145(37):2829–33 (Eng. Abstr.) **(Dan)**

[Hypocomplementemic urticarial vasculitis with glomerulopathy and renal venulitis] Meyrier A, et al. **Nephrologie** 1984;5(1):1–7 (Eng. Abstr.) **(Fre)**

[Immunopathology in 35 cases of chronic urticaria] Doutre MS, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1040–2 (Eng. Abstr.) **(Fre)**

[Celery allergy (celery contact urticaria syndrome) and relation to allergies to other plant antigens] Kremser M, et al. **Wien Klin Wochenschr** 1983 Dec 9;95(23):838–43 (Eng. Abstr.) **(Ger)**

[Contact urticaria. Experimental contribution] Riva F, et al. **Boll Ist Sieroter Milan** 1983 Mar 31;62(1):100–6 (Eng. Abstr.) **(Ita)**

[Studies on the pathomechanism of solar urticaria] Kojima M. **Arerugi** 1984 Apr;33(4):224–30 (Eng. Abstr.) **(Jpn)**

[Study of the percentage of T and B lymphocytes and the IgE levels in physical urticaria] Rubisz-Brzezińska J, et al. **Przegl Dermatol** 1983 Jan–Feb;70(1):43–8 (Eng. Abstr.) **(Pol)**

[Immunologic status of patients with urticaria and Quincke's edema] Ol'shanskiĭ IaO, et al. **Sov Med** 1983;(9):36–42 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Parasitic infections [letter] Rosario NA. **Am J Dis Child** 1984 May;138(5):507

Papular urticaria caused by Dermestes maculatus Degeer. Rustin MH, et al. **Clin Exp Dermatol** 1984 May;9(3):317–21

PATHOLOGY

Endothelial cell pathology as a marker for urticarial vasculitis: a light microscopic study. Russell Jones R, et al. **Br J Dermatol** 1984 Feb;110(2):139–49

A comparative histopathological study of polymorphic eruption of pregnancy and herpes gestationis. Holmes RC, et al. **Clin Exp Dermatol** 1983 Sep;8(5):523–9

Pathogenesis of papular urticaria. Heng MC, et al. **J Am Acad Dermatol** 1984 Jun;10(6):1030–4

Pruritic urticarial papules and plaques of pregnancy. Clinical experience in twenty-five patients. Yancey KB, et al. **J Am Acad Dermatol** 1984 Mar;10(3):473–80

Pruritic urticarial papules and plaques of pregnancy. A case report. Romero R, et al. **J Reprod Med** 1983 Sep; 28(9):615–9

PHYSIOPATHOLOGY

Cutaneous and pulmonary reactivity in cholinergic urticaria. Czarnetzki BM, et al. **Br J Dermatol** 1984 May; 110(5):587–91

Autonomic function in cholinergic urticaria and atopic eczema. Murphy GM, et al. **Br J Dermatol** 1984 May; 110(5):581–6

Urticaria and angioedema. Current approach to common problems. Levinson AI. **Postgrad Med** 1984 Jul; 76(1):183–92

PREVENTION & CONTROL

Preliminary report on the effects of tiaramide on the ice cube test in patients with idiopathic cold urticaria. Petillo JJ, et al. **Ann Allergy** 1983 Nov;51(5):511–4

RADIOTHERAPY

Studies on the mechanism of clinical tolerance in solar urticaria. Keahey TM, et al. **Br J Dermatol** 1984 Mar; 110(3):327–38

Ultraviolet A phototherapy in the prophylaxis of solar urticaria. Bernhard JD, et al. **J Am Acad Dermatol** 1984 Jan;10(1):29–33

THERAPY

[Treatment of urticaria] Karvonen J. **Duodecim** 1984; 100(3):164–8 **(Fin)**

VETERINARY

Allergic skin diseases in the horse. Byars DT.

Vet Clin North Am [Large Anim Pract] 1984 Mar;6(1):87–90

URTICARIA, GIANT see **ANGIONEUROTIC EDEMA**

URTICARIA PIGMENTOSA

[Clinical picture and prognosis of generalized mastocytosis] Horny HP, et al. **Klin Wochenschr** 1983 Aug 15; 61(16):785–93 (Eng. Abstr.) **(Ger)**

BLOOD

Hypercalcitoninaemia in a patient with urticaria pigmentosa. A possible cause of diarrhoea. Lundin A, et al. **Acta Med Scand** 1984;215(3):281–5

COMPLICATIONS

Articular mastocytosis in rheumatoid arthritis. Crisp AJ, et al. **Arthritis Rheum** 1984 Aug;27(8):845–51

Recurrent syncope due to systemic mastocytosis [clinical conference] Roberts LJ 2d. **Hypertension** 1984 Mar–Apr; 6(2 Pt 1):285–94

Anaphylaxis after Hymenoptera stings in three patients with urticaria pigmentosa. Müller UR, et al. **J Allergy Clin Immunol** 1983 Dec;72(6):685–9

Systemic mastocytosis: case report and literature review. Peterson AH. **J Natl Med Assoc** 1984 May;76(5):469–73

[Mastocytic osteoporosis without cutaneous involvement. Apropos of a case with a histomorphometric study on non-decalcified bone] Coindre JM, et al. **Arch Anat Cytol Pathol** 1983;31(6):377–81 (Eng. Abstr.) **(Fre)**

[Von Recklinghausen's neurofibromatosis and systemic mastocytosis] Mérot Y, et al. **Dermatologica** 1984; 168(1):25–30 (Eng. Abstr.) **(Fre)**

[Systemic mastocytosis and intestinal malabsorption] Barrière H, et al. **Sem Hop Paris** 1983 Nov 17;59(42):2925–31 (Eng. Abstr.) **(Fre)**

[Significant bone involvement in the course of systemic mastocytosis] de Souza Andrade J, et al. **AMB** 1983 Sep–Oct;29(9–10):179–80 **(Por)**

[Nephrotic syndrome in a patient with systemic mastocytosis] Poliantseva LR, et al. **Klin Med (Mosk)** 1983 Jul; 61(7):115–9 **(Rus)**

DIAGNOSIS

Cutaneous mastocytosis without clinically obvious skin lesions. Kendall ME, et al. **J Am Acad Dermatol** 1984 May; 10(5 Pt 2):903–5

Improved diagnosis of mastocytosis by measurement of urinary histamine metabolites. Keyzer JJ, et al. **N Engl J Med** 1983 Dec 29;309(26):1603–5

A cutaneous manifestation of acute lymphoblastic leukaemia mimicking urticaria pigmentosa. Foulds IS, et al. **Postgrad Med J** 1984 May;60(703):366–9

DRUG THERAPY

Systemic mastocytosis in a 5-year-old child: successful treatment with disodium cromoglycate. Businco L, et al. **Clin Allergy** 1984 Mar;14(2):147–52

Urticaria pigmentosa treated with oral disodium cromoglycate. Lindskov R, et al. **Dermatologica** 1984; 169(1):49–52

Treatment of bullous mastocytosis with disodium cromoglycate. Welch EA, et al. **J Am Acad Dermatol** 1983 Sep;9(3):349–53

Response of cutaneous mast cells to PUVA in patients with urticaria pigmentosa: histomorphometric, ultrastructural, and biochemical investigations. Kolde G, et al. **J Invest Dermatol** 1984 Sep;83(3):175–8

[Condensing bony mastocytosis treated with chlorambucil (letter)] Gaucher A, et al. **Presse Med** 1984 May 5; 13(19):1216–7 **(Fre)**

ENZYMOLOGY

Peroxidase activity in human cutaneous mast cells: an ultrastructural demonstration. Escribano LM, et al. **J Histochem Cytochem** 1984 Jun;32(6):573–8

FAMILIAL & GENETIC

Monozygotic twins discordant for cutaneous mastocytosis. Cainelli T, et al. **Arch Dermatol** 1983 Dec;119(12):1021–2

[Familial atrophic urticaria pigmentosa] Kolpakov FI, et al. **Vestn Dermatol Venerol** 1984 Feb;(2):47–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunologic mechanisms in the pathogenesis of colitis ulcerosa. Part I: Absolute eosinophilia in the blood and in rectal smears, skin and intramucosal tests, with alimentary allergens, mastocytosis of the rectal mucosa before and after challenge with alimentary allergens. Chachaj W, et al. **Mater Med Pol** 1982 Jan–Dec; 14(1–2):7–10

Immunohistochemical localization of somatostatin-like immunoreactivity in skin lesions from patients with urticaria pigmentosa. Johansson O, et al. **Virchows Arch [Cell Pathol]** 1984;46(1–2):155–64

MORTALITY

[Clinical picture and prognosis of generalized mastocytosis] Horny HP, et al. **Klin Wochenschr** 1983 Aug 15; 61(16):785–93 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Morphological, cytochemical and ultrastructural studies of a case of systemic mastocytosis. Malfitano A, et al. **Basic Appl Histochem** 1983;27(3):183–90

Gastroscopic findings in systemic mastocytosis. Borda F, et al. **Endoscopy** 1983 Nov;15(6):342–3

Papular dermographism: a sign of urticaria pigmentosa. Witkowski JA, et al. **Int J Dermatol** 1983 Nov;22(9):529

[Cutaneous mastocytosis: a clinical, histopathological and electronmicroscopic study] Tsaur KC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jan;83(1):59–72 (Eng. Abstr.) **(Chi)**

[Osteomedullary pathology in 5 cases of systemic mastocytosis. Pseudomyelomatous forms with dysglobulinemia and benign medullary polyclonal plasmacytosis. Hamazaki-Wesenberg Bodies associated with mast cell granuloma] Kermarec J, et al. **Sem Hop Paris** 1983 Sep 1;59(29–30):2119–26 (Eng. Abstr.) **(Fre)**

[Cutaneous mastocytosis. Description of 4 cases] Marcelli P, et al. **Pediatr Med Chir** 1983 Jul–Aug;5(4):255–62 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Pathologic fracture in systemic mastocytosis. Radiographic spectrum and review of the literature. Rafii M, et al. **Clin Orthop** 1983 Nov;(180):260–7 (39 ref.)

Bull's-eye lesions: a new gastrointestinal presentation of mastocytosis. Quinn SF, et al. **Gastrointest Radiol** 1984; 9(1):13–5

[Radiological contribution to skeletal changes in systemic mastocytosis. Urticaria pigmentosa] Schratter M, et al. **Rontgenblatter** 1983 Nov;36(11):359–62 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Patterns of skeletal scintigraphy and their relationship to plasma and urinary histamine levels in systemic mastocytosis. Rosenbaum RC, et al. **J Nucl Med** 1984 Aug; 25(8):859–64

URINE

Urinary excretion of histamine, methylhistamine (1-MeHi) and methylimidazoleacetic acid (MeImAA) in mastocytosis: comparison of new HPLC methods with other present methods. Granerus G, et al. **Agents Actions** 1984 Apr;14(3–4):341–5

USNIC ACID see under **BENZOFURANS**

USTILAGINALES see under **BASIDIOMYCETES**

USTILAGO see under **BASIDIOMYCETES**

UTERINE CONTRACTION

Microcomputer acquisition and processing of uterine contractions. Kubli-Garfias C, et al. **Acta Physiol Lat Am** 1983;33(4):299–304

Myometrial electrophysiologic activity and gap junctions in the pregnant rabbit. Demianczuk N, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):485–91

Increased beat-to-beat variability during uterine contractions: a common association in uncomplicated labor. Divon MY, et al. **Am J Obstet Gynecol** 1984 Aug 15; 149(8):893–6

The relationship between fetal heart rate accelerations, fetal movements, and uterine contractions. Sadovsky E, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):187–9

The effect of myometrial contractures on uterine blood flow in the pregnant sheep at 114 to 140 days' gestation measured by the 4-aminoantipyrine equilibrium diffusion technique. Sunderji SG, et al. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):408–12

The effects of myometrial activity on fetal thoracic dimensions and uterine blood flow during late gestation in the sheep. Harding R, et al. **Biol Neonate** 1984; 45(5):244–51

Follicular and uterine prostaglandin levels in relation to uterine contraction and the first ovulation of a sequence in the hen. Shimada K, et al. **Biol Reprod** 1984 Aug; 31(1):76–82

The prediction of preterm labour by recording spontaneous antenatal uterine activity. Bell R. **Br J Obstet Gynaecol** 1983 Oct;90(10):884–7

Characteristics of uterine activity in nulliparous labour. Gibb DM, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):220–7

Measurement of uterine activity—a useful clinical tool? [editorial] Gordon AJ. **Br J Obstet Gynaecol** 1984 Mar; 91(3):209–10

Diurnal variation of uterine contractility. Lundström V, et al. **Br J Obstet Gynaecol** 1984 Feb;91(2):155–9

Normal levels of active contraction area in spontaneous labour. Steer PJ, et al. **Br J Obstet Gynaecol** 1984 Mar; 91(3):211–9

The interaction between cervix and corpus uteri in the generation of intra-amniotic pressure in labour. Gee H. **Eur J Obstet Gynecol Reprod Biol** 1983 Dec;16(4):243–52

Ultrasonic visualization of endometrial movements. Birnholz JC. **Fertil Steril** 1984 Jan;41(1):157–8

Relation between maternal plasmatic zinc levels and uterine contractility. Durá-Travé T, et al. **Gynecol Obstet Invest** 1984;17(5):247–51

Manipulation of external tachodynamometer by the patient: case report. Lee CY, et al. **Henry Ford Hosp Med J** 1983; 31(3):170–2

Effect of heat on uterine contractions during normal labor. Khamis Y, et al. **Int J Gynaecol Obstet** 1983 Dec; 21(6):491–3

An evaluation of the electronic fetal monitor as a feedback device during labor. Brasted WS, et al. **J Appl Behav Anal** 1984 Summer;17(2):261–6

Studies of oxytocin in plasma of women during hypocontractile labor. Amico JA, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):274–9

Fetal and maternal influences on arterial oxygen levels in the sheep fetus. Harding R, et al. **J Dev Physiol** 1983 Aug; 5(4):267–76

Contraction stress testing with mammary self-stimulation. MacMillan JB 3d, et al. **J Reprod Med** 1984 Apr; 29(4):219–21

Nonreactive contraction stress test: clinical significance. Grundy H, et al. **Obstet Gynecol** 1984 Sep;64(3):337–42

Contraction stress test by intermittent nipple stimulation. Huddleston JF, et al. **Obstet Gynecol** 1984 May; 63(5):669–73

Use of nipple stimulation to obtain contraction stress test. Lenke RR, et al. **Obstet Gynecol** 1984 Mar;63(3):345–8

Involvement of lipoxygenase products in myometrial contractions. Carraher R, et al. **Prostaglandins** 1983 Jul; 26(1):23–32

[Potentials of cardiotocography in assessing the antenatal risk in EPH gestoses] Bozhinova S. **Akush Ginekol (Sofiia)** 1984; 23(2):117–26 (Eng. Abstr.) **(Bul)**

[Uterine contractions during pregnancy as a possible cause of intrauterine fetal death] Damgaard B, et al. **Ugeskr Laeger** 1983 Nov 28;145(48):3741–2 (Eng. Abstr.) **(Dan)**

[Cardiotocography practice 4] Heinrich J. **Zentralbl Gynakol** 1984;106(4):271–2 **(Ger)**

[Experiences with the portable tocograph Toki P2] Ketscher KD, et al. **Zentralbl Gynakol** 1984;106(4):261–2 (Eng. Abstr.) **(Ger)**

[Effect of exercise during pregnancy on uterine contractions] Zahn V, et al. **Zentralbl Gynakol** 1984;106(1):33–9 (Eng. Abstr.) **(Ger)**

[The investigations on the effect of daily activity on the uterine contraction during pregnancy] Araki R. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):589–98 (Eng. Abstr.) **(Jpn)**

[Uterine contraction during labor in different maternal positions] Otoka A. **Ginekol Pol** 1984 Jan;55(1):55–64 (Eng. Abstr.) **(Pol)**

[Fetal movements and uterine contractions in the third trimester of pregnancy. II. Prenatal mortality and morbidity] Stanek J, et al. **Ginekol Pol** 1984 Feb; 55(2):127–35 (Eng. Abstr.) **(Pol)**

[Characteristics of uterine contractility in primiparae with premature rupture of fetal membranes] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1984 Jul;(7):33–5 (Eng. Abstr.) **(Rus)**

[Contractile function of the uterus in primiparas in normal labor] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):16–7 (Eng. Abstr.) **(Rus)**

[Role of adrenergic mechanisms in the regulation of uterine contraction] Duda IV. **Akush Ginekol (Mosk)** 1984 Jul; (7):6–9 (51 ref.) **(Rus)**

[Characteristics of uterine contractions and uterine tonus in premature rupture of fetal membranes in primiparae] Gendel' MG. **Akush Ginekol (Mosk)** 1984 Jul;(7):28–31 (Eng. Abstr.) **(Rus)**

[Contractile activity and tonus of the uterus during the physiological course of pregnancy] Gordina VZ, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):12–4 (Eng. Abstr.) **(Rus)**

[Method of clinical evaluation of uterine contractility during labor] Karash IuM. **Akush Ginekol (Mosk)** 1984 Jul; (7):69–73 **(Rus)**

[Vibration massage as a means of accelerating uterine involution following labor] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):55–7 (Eng. Abstr.) **(Rus)**

[Uterine hemodynamics during uterine contractions] Savitskil GA. **Akush Ginekol (Mosk)** 1984 Jul;(7):9–12 **(Rus)**

[Uterine contraction and thrombogenic activity of the blood in parturients before the placental stage and early puerperal bleeding] Susloparov LA. **Akush Ginekol (Mosk)** 1984 Jul; (7):15–8 (Eng. Abstr.) **(Rus)**

[Routine use of ultrasound and cardiotocography in the intensive surveillance of pregnancies at risk] Marković A, et al. **Med Pregl** 1983;36(7–8):319–21 (Eng. Abstr.) **(Ser)**

DRUG EFFECTS

Studies on the calcium antagonistic action of tetrandrine: VII. Effects of tetrandrine on contractility of isolated rat uterus. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(2):69–74

Contributions to the mechanism of action of beta-adrenergic

stimulants. Zsolnai B, et al. **Acta Chir Hung** 1984; 25(3):169–77

Exogenous prostaglandin F2 alpha promotes uterine involution in the cow. Lindell JO, et al. **Acta Vet Scand** 1983;24(3):269–74

Response of the non-pregnant and pregnant rat uterus to chloroquine in vitro. Makinde JM, et al. **Afr J Med Med Sci** 1983 Mar;12(1):41–5

Clinical observation on the uterotonic effect of I-mu Ts'ao (Leonurus artemisia). Chan WC, et al. **Am J Chin Med** 1983;11(1–4):77–83

The effect of in vivo progesterone administration on relaxin-inhibited rat uterine contractions. Brenner SH, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):946–50

Prostaglandin F2 alpha, oxytocin, and uterine activation in hypertonic saline-induced abortions. Fuchs AR, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):27–32

Prolonged inhibition of human myometrial contractility by intermittent isoproterenol. Ke R, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):841–4

Uterotonic effect of prostaglandin F2 alpha and oxytocin on the postpartum cow. Eiler H, et al. **Am J Vet Res** 1984 May;45(5):1011–4

Effect of ritodrine hydrochloride on uterine activity and maternal and fetal circulations in the pregnant sheep. Fujimoto S, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):325–33

Ritodrine in the management of a case of acute fetal distress. Zentner R. **Aust NZ J Obstet Gynaecol** 1983 Nov; 23(4):250–2

Calcium dependency of pregnant rat myometrium: comparison of circular and longitudinal muscle. Bengtsson B, et al. **Biol Reprod** 1984 May;30(4):869–78

Mechanism of action of isoprenaline, isoxuprine, terbutaline and orciprenaline on gravid human isolated myometrium. Influence of the neuronal uptake process. Calixto JB, et al. **Biol Reprod** 1984 Jun;30(5):1117–23

Uterine and placental prostaglandins and their modulation of oxytocin sensitivity and contractility in the parturient uterus. Chan WY. **Biol Reprod** 1983 Oct;29(3):680–8

Characterization of putative beta-adrenoceptors in the myometrium of the pregnant ewe: correlation between the binding of [3H] dihydroalprenolol and the inhibition of myometrial contractility in vitro. Crankshaw DJ, et al. **Biol Reprod** 1984 Apr;30(3):609–18

Regulation of estrogen-induced uterine hyperemia and contractility in the guinea pig: cholinergic modulation of an alpha-adrenergic response. Garris DR, et al. **Biol Reprod** 1984 May;30(4):863–8

Contractions of rat uterine smooth muscle induced by acetylcholine and angiotensin II in Ca2+-free medium. Lalanne C, et al. **Br J Pharmacol** 1984 Feb;81(2):317–26

Maintained contractions of rat uterine smooth muscle incubated in a Ca2+-free solution. Mironneau C, et al. **Br J Pharmacol** 1984 Jul;82(3):735–43

Effects of morphine on the responses to acetylcholine and adrenaline in the mouse uterus. Acevedo CG, et al. **Cell Mol Biol** 1984;30(3):239–42

Detection of immunoreactive human placental oxytocin and its contractile effect on the uterine muscle. Makino T, et al. **Endocrinol Jpn** 1983 Jun;30(3):389–95

The effect of ovarian hormones on stress relaxation in the uterus of the pregnant rat. Tamada H, et al. **Endocrinol Jpn** 1983 Aug;30(4):537–42

Bioassay of porcine relaxin components by in vitro inhibition of rat uterine contractions. Anderson MB. **Endocrinology** 1984 Feb;114(2):364–8

Uterine motility after post-partum application of sulprostone and other oxytocics. Baumgarten K, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):181–92

The role of prostaglandins in the stimulatory action of catecholamines on myometrial activity in term pregnant women. Wikland M, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):193–203

Dantrolene sodium: stimulatory and depressant effects on the contractility of guinea-pig uterus in vitro. Conte-Camerino D, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):291–4

The inhibitory effect of histamine on the motility of rat uterus in vivo. Cortijo J, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):7–12

Selective inhibition by ketanserin and spiroperidol of 5-HT-induced myometrial contraction. Ichida S, et al. **Eur J Pharmacol** 1983 Dec 9;96(1–2):155–8

The effect of partusisten on uterine motility stimulated by blood serum from pregnant women with certain pathological manifestations. Lukanov J, et al. **Folia Med (Plovdiv)** 1983;25(3):25–9

Influence of estrogen and progesterone on the uterine sensitivity in vitro to neuropituitary hormones in the Brazilian marsupial Didelphis albiventris: comparison with lactating animals. Ladosky W, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):69–77

Agonist-induced contraction of rat myometrium in Ca-free solution containing Mn. Sakai K, et al. **Gen Pharmacol** 1983; 14(4):391–9

On the contractile activity and reactivity of sheep myometrial strips in juvenile, anoestral and gravid periods. Vassilev VI. **Gen Pharmacol** 1984;15(2):167–70

Myometrial response to prostaglandins during labor. Wikland M, et al. **Gynecol Obstet Invest** 1984;17(3):131–8

Modulation of uterine responses with phosphodiesterase regulators in depolarized rat uterus. Singh M, et al. **Indian J Exp Biol** 1983 Oct;21(10):564–8

Antifertility & uterine activity of Plumbago rosea in rats. Lal R, et al. **Indian J Med Res** 1983 Aug;78:287–90

Contractile responses of uterine smooth muscle to acetylcholine and marihuana extract. Murthy NV, et al. **Int J Gynaecol Obstet** 1983 Jun;21(3):223–6

[1-Desaminopenicillamine, 8-alpha-hydroxyisocaproic acid] oxytocin. A selective inhibitor in rats of the uterine response to oxytocin. Gazis D, et al. **Int J Pept Protein Res** 1983 Oct;22(4):450–5

Effects of adrenaline and noradrenaline in separated longitudinal and circular myometrial preparations from the guinea-pig: selective modulation by ovarian steroids. Adam SP, et al. **J Auton Pharmacol** 1984 Mar;4(1):1–9

Mouse uterine muscle as a model for studying beta 2-adrenoreceptor mediated relaxation. Cheng HC, et al. **J Auton Pharmacol** 1984 Mar;4(1):17–25

The in vitro effect of grandiflorenic acid and zoapatle aqueous crude extract upon spontaneous contractility of the rat uterus during oestrus cycle. Bejar E, et al. **J Ethnopharmacol** 1984 Jun;11(1):87–97

Use of 15-methyl prostaglandin F2 alpha postpartum to contract the uterus in normal pregnant women. Nelson GH. **J Med Assoc Ga** 1983 Oct;72(10):703–6

Synthesis of imidazo[1,2-a]pyrazine derivatives with uterine-relaxing, antibronchospastic, and cardiac-stimulating properties. Sablayrolles C, et al. **J Med Chem** 1984 Feb;27(2):206–12

Synthesis and pharmacological evaluation of indanpropionic acids as uterine relaxants. Witiak DT, et al. **J Med Chem** 1984 Sep;27(9):1215–9

Possible prostaglandin-mediated effect of diethylcarbamazine on rat uterine contractility. Joseph CA, et al. **J Pharm Pharmacol** 1984 Apr;36(4):281–2

Effect of Japanese Angelica root and peony root on uterine contraction in the rabbit in situ. Harada M, et al. **J Pharmacobiodyn** 1984 May;7(5):304–11

Direct effect of parathyroid hormone on rat uterine contraction. Shew RL, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):1–6

Effect of PGF-2 alpha on uterine activity, and concentrations of 13, 14-dihydro-15-keto-PGF-2 alpha in peripheral plasma during parturition in the tammar wallaby (Macropus eugenii). Shaw G. **J Reprod Fertil** 1983 Nov;69(2):429–36

The effects of combined intravenous infusions of oestradiol 17 beta and progesterone on uterine activity of ovariectomized ewes. Robalo Silva J, et al. **J Vet Pharmacol Ther** 1984 Jun;7(2):159–62

Changes in the adrenergic effects and membrane activity of the circular muscle of rat uterus during late pregnancy and postpartum. Osa T, et al. **Jpn J Physiol** 1984;34(1):113–26

Effects of magnesium on the membrane activity and contraction of the circular muscle of rat myometrium during late pregnancy. Osa T, et al. **Jpn J Physiol** 1983; 33(3):485–95

Quantitative study on the uterus-inhibiting activity of sodium naproxen in rat isolated uterus. Pérez-Baspino J, et al. **Methods Find Exp Clin Pharmacol** 1983 Nov;5(9):625–9

A study of the mode and site of action of capsaicin in guinea-pig heart and rat uterus. Zernig G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):58–63

Clinical usefulness of terbutaline in the management of placenta praevia. Nakamura Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):947–9

Influence of prostaglandins on contractility of the isolated human cervical muscle. Bryman I, et al. **Obstet Gynecol** 1984 Mar;63(3):280–4

Adrenoceptor mechanisms in the regulation of contractile activity in the human cervix. Bryman I, et al. **Obstet Gynecol** 1984 Sep;64(3):363–7

Effect of prolactin and relaxin on in vitro rat uterine contractions and prolactin interaction with relaxin. Lessing JB, et al. **Obstet Gynecol** 1984 Jul;64(1):97–100

Effects of bPTH fragments (1–34), (3–34) and (7–34) on uterine contraction. Shew RL, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):485–8

Uterine relaxing action of parathyroid hormone: effect of oxidation and methionine substitution. Shew RL, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):444–8

Prostacyclin induces a surprising long-lasting motility in quiescent uterine strips (indomethacin-treated) isolated from ovariectomized rats. Gimeno AL, et al. **Prostaglandins** 1983 Oct;26(4):663–76

Sex hormones and the motility of and prostaglandin output from, uterine horns of immature rats. Chaud M, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):35–44

Effect of ritodrine hydrochloride and dibutyryl cyclic AMP on contractile activity and prostanoid production of uteri from pregnant rats in vitro. Dubin NH, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):119–28

Local effect of thromboxane B2 on the contractility of the human non pregnant uterus. Shaala S, et al. **Prostaglandins Leukotrienes Med** 1984 Apr;14(1):97–103

[Dynamic changes in the frequency of the uterine contractions during tocolysis with the beta-adrenomimetic Partusisten in high rupture of the amniotic sac] Ivanov S. **Akush Ginekol (Sofiia)** 1984;23(1):42–5 (Eng. Abstr.) **(Bul)**

[Uterine motor responses to catecholamines in the ewe under different steroidal impregnations. Demonstration of the role of endogenous catecholamines] Prud'homme MJ. **Reprod Nutr Dev** 1984;24(1):21–32 (Eng. Abstr.) **(Fre)**

[What effect do sympatholytics have on the pregnant uterus?] Bellmann O. **Anasth Intensivther Notfallmed** 1984 Jun; 19(3):144–5 **(Ger)**

[The pattern of spontaneous contraction and the effects of Mg++ and terbutaline on pregnant human myometrium] Ikeda M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar;36(3):377–83 (Eng. Abstr.) **(Jpn)**

[Relation between the effect of oxytocin on human myometrium and the dopaminergic receptors] Urban J. **Ginekol Pol** 1983 Jun;54(6):393–5 (Eng. Abstr.) **(Pol)**

[Inhibition of premature uterine contractions] Troszyński M, et al. **Probl Med Wieku Rozwoj** 1979;8:220–7 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of the effect of prostin E2 in labor induction in pregnancy complicated by premature rupture of fetal membranes] Otoka A, et al. **Wiad Lek** 1983 Jul 1;36(13):1053–9 (Eng. Abstr.) **(Pol)**

[Mechanism of action of cyclokinins] Myshliakova NV, et al. **Biull Eksp Biol Med** 1983 Nov;96(11):69–71 (Eng. Abstr.) **(Rus)**

UTERINE DISEASES

[Echinococcosis of the uterus, parametrium and pararectal adipose tissue] Baskakov VA, et al. **Akush Ginekol (Mosk)** 1984 May;(5):69 **(Rus)**

BLOOD

Oestrogen levels in the blood, not in the uterus, determine uterine eosinophilia and oedema. Tchernitchin AN, et al. **J Endocrinol** 1983 Oct;99(1):123–30

COMPLICATIONS

Possible herpesvirus role in abortion studied [news] Goldsmith MF. **JAMA** 1984 Jun 15;251(23):3067–8, 3070

[Sigmoid-rectum stenosis in uterorectal actinomycosis] Jatzko G, et al. **Chirurg** 1984 Feb;55(2):125–7 **(Ger)**

[Case of distal lipoatrophy with canities, stunted somatic growth, painful muscle cramps and hypoplastic uterus] Kotera M, et al. **Rinsho Shinkeigaku** 1983 Oct; 23(10):867–73 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Diagnosis and management of intrauterine adhesions by microhysteroscopy. Hamou J, et al. **Acta Eur Fertil** 1983 Mar-Apr;14(2):117–23

A case of torsion of the pregnant uterus. Barr I, et al. **Acta Obstet Gynecol Scand** 1984;63(4):373–4

Pathologic torsion of the pregnant uterus. Crona N, et al. **Acta Obstet Gynecol Scand** 1984;63(4):375–6

Pseudogestational sac in ectopic pregnancy. Wexler S, et al. **Acta Obstet Gynecol Scand** 1984;63(1):63–5

Ds and Cs: do's and don'ts. Ferri M. **Aust Fam Physician** 1983 Nov;12(11):783–5

Chronic inversion of the uterus [letter] Markus JG. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):124–5

Acute puerperal inversion of the uterus. Harris BA Jr. **Clin Obstet Gynecol** 1984 Mar;27(1):134–8

Intrauterine hydrosalpinx. Chongchitnant N, et al. **Hum Pathol** 1984 Jun;15(6):592–4

The incidence of intrauterine abnormalities found at hysteroscopy in patients undergoing elective hysteroscopic sterilization. Cooper JM, et al. **J Reprod Med** 1983 Oct; 28(10):659–61

Case of the month: Pyometra. Eyster JM. **J Ultrasound Med** 1984 May;3(5):R53, R58

Pyometrium in a three-year-old girl: sonographic findings. Yaghoobian J, et al. **J Ultrasound Med** 1984 Feb;3(2):87–8

Ultrasonographic identification of osteoid tissue in utero. Oi RH, et al. **JCU** 1983 Sep;11(7):385–7

[Hysteroscopy in the evaluation of infertile patients] Fedele L, et al. **Ann Ostet Ginecol Med Perinat** 1983 May-Jun; 104(3):165–88 (Eng. Abstr.) **(Ita)**

[Uterine synechia] Sabato L, et al. **Minerva Ginecol** 1983 Jun; 35(6):385–94 (Eng. Abstr.) **(Ita)**

[Sacculation of the pregnant uterus] Hanaoka J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Oct; 35(10):1817–20 **(Jpn)**

[Clinical aspects and diagnosis of vesico-uterine fistulae] Kan DV, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):67–70 (Eng. Abstr.) **(Rus)**

[Diseases presenting as tuberculosis of the female genital organs] Mochalova TP, et al. **Probl Tuberk** 1983 Nov; (11):70–1 **(Rus)**

ENZYMOLOGY

Creatine kinase BB in normal, hyperplastic and neoplastic endometrium. Scambia G, et al. **J Steroid Biochem** 1984 Mar;20(3):797–8

ETIOLOGY

Loa loa microfilariae in an endometrial smear [letter] de Brux JA, et al. **Acta Cytol (Baltimore)** 1983 Sep-Oct;27(5):547–9

Donovanosis affecting cervix, uterus, and adnexae. Sengupta SK, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):632–6

Nipple stimulation in late pregnancy causing uterine hyperstimulation and profound fetal bradycardia. Viegas OA, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):364–6

Increased risk of malignancy and uterine disease following

perimenarchal hospitalization: an estrogen window effect. Meyer KK, et al. **Surgery** 1983 Oct;94(4):548–53

[IUD–deformation and unusual complications of intrauterine contraception] Windelband M, et al. **Zentralbl Gynakol** 1984;106(9):596–600 (Eng. Abstr.) **(Ger)**

[Changes in the organs of the lesser pelvis in women employed in dairy cattle breeding farms in the light of the ergonomic evaluation of their work place] Adamski S. **Ann Acad Med Stetin** 1983;29:357–70 (8 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immunohistochemical study of the distribution of secretory component and IgA in the normal and diseased uterine mucosa. Arends JW, et al. **Int J Gynecol Pathol** 1983; 2(2):171–81

[Patient immunity status in endometrial pathology in the postmenopausal period] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):36–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

A rat model of unilateral utero–tubo–ovarian abscess. Hammill HA, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S96–100 (20 ref.)

PARASITOLOGY

Enterobius granulomas of the uterus, ovary and pelvic peritoneum. Two case reports. McMahon JN, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):289–90

PATHOLOGY

True uterine diverticulum. A partial müllerian duct duplication? Engel G, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):734–6

Malacoplakia of the uterus [letter] Tesluk H, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):692

[Sarcoidosis of the endometrium] Spaun E, et al. **Ugeskr Laeger** 1983 Jul 25;145(30):2308 (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

[Ovarian hormonal function and neuroendocrine disorders in patients with intrauterine synechiae] Kheifets SN, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):28–30 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Adhesion prophylaxis in rabbits with Surgicel and two absorbable microsurgical sutures. Galan N, et al. **J Reprod Med** 1983 Oct;28(10):662–4

RADIOGRAPHY

[Hysterography and hysterosalpingography] Fochem K. **Rontgenpraxis** 1983 Dec;36(12):413–20 **(Ger)**

SURGERY

[The problem of ovary conservation during surgical treatment of benign uterine diseases] Cai PQ. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):116–8 **(Chi)**

[Repeated abdominal gynecological operations] Sward J, et al. **Wiad Lek** 1983 Oct 15;36(20):1695–701 (Eng. Abstr.) **(Pol)**

[Surgical treatment of vesicouterine fistulae] Kan DV, et al. **Urol Nefrol (Mosk)** 1984 Jul–Aug;(4):57–61 (Eng. Abstr.) **(Rus)**

THERAPY

Recurrent inversion of the puerperal uterus managed with 15(s)–15–methyl prostaglandin F2 alpha and uterine packing. Heyl PS, et al. **Obstet Gynecol** 1984 Feb; 63(2):263–4

VETERINARY

Pyometra and pyovagina in koalas. Canfield PJ, et al. **Aust Vet J** 1983 Nov;60(11):337–8

Pyometra in an African lioness. Baker R, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1314

Pyometra in a Pallas's cat. Gillespie D, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1322–3

Colono–uterine fistula in a rhinoceros viper. Jacobson ER, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1309–10

Surgical removal of intramural masses of the uterus in two cows. Lane VM, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):222

Incomplete abortion and hydrometrosis in a squirrel monkey (Saimiri sciureus). Swindle MM, et al. **Lab Anim Sci** 1984 Jun;34(3):290–2

Illness associated with abdominal adhesions in a cow. Stark DA. **Mod Vet Pract** 1984 May;65(5):386–8

Pyometra in the dog—a pathophysiological investigation. VI: Acid–base status and serum electrolytes. Børresen B. **Nord Vet Med** 1984 Jan–Feb;36(1–2):1–12

UTERINE HEMORRHAGE

Termination of midtrimester pregnancies with extraovular 0.1% ethacridine lactate. Accurate method for estimation of blood loss. Role of spartein sulfate. Laul RM, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):185–9

Effect of vaginal bleeding in early pregnancy on outcome. Batzofin JH, et al. **Obstet Gynecol** 1984 Apr;63(4):515–8

BLOOD

Pregnancy-specific beta 1–glycoprotein (SP1) levels measured by nephelometry in serum from women with vaginal bleeding in the first half of pregnancy. Tamsen L. **Acta Obstet Gynecol Scand** 1984;63(4):311–5

Total platelet count, adhesive platelet count, platelet adhesiveness in normal menstrual cycle and functional uterine bleeding: a comparative study. Abbott R, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):265–9

[Characteristics of hypophyseal gonadotropic hormone production and of the pathomorphological picture of the endometrium in hemorrhage in the postmenopause] Donat J, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):33–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Menstrual delay and dysfunctional uterine bleeding associated with antiprostaglandin therapy for dysmenorrhea. Halbert DR. **J Reprod Med** 1983 Sep; 28(9):592–4

Norethisterone acetate and ethinylestradiol in early human pregnancy. Pulkkinen MO, et al. **Teratology** 1984 Apr; 29(2):241–9

DIAGNOSIS

The Isaacs Endometrial Cell Sampler. An evaluation in 100 patients with postmenopausal bleeding. Bamford DS, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):101–4

The efficacy of abdominal and pelvic ultrasound in the emergency department. Shea DJ, et al. **Ann Emerg Med** 1984 May;13(5):311–6

Intrauterine haematoma and placental protein 5 in patients with uterine bleeding during pregnancy. Ylöstalo P, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):353–6

Quantitative measurement of blood loss in medical termination of pregnancy. Gupta I, et al. **Indian J Med Res** 1983 Jul;78:49–52

Ultrasound of the acutely ill obstetrics and gynecology patient. Chinn DH, et al. **Radiol Clin North Am** 1983 Sep; 21(3):585–94 (27 ref.)

[Uteroscopic examination of uterine hemorrhage after menopause] Feng DG. **Chung Hua I Hsueh Tsa Chih** 1983 May;63(5):297–8 **(Chi)**

[Economic rationale of the use of hysteroscopy in climacteric uterine hemorrhage] Serov VN, et al. **Akush Ginekol (Mosk)** 1984 May;(5):55–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effects of chronic luteinizing hormone–releasing hormone agonist treatment on dysfunctional uterine bleeding in the stumptailed macaque. Fraser HM, et al. **Acta Endocrinol (Copenh)** 1984 Jul;106(3):381–6

Menstruation and its disorders in adolescence. Greydanus DE, et al. **Curr Probl Pediatr** 1982 Aug;12(10):1–61 (35 ref.)

[Analysis of 100 cases with functional uterine bleeding] Dong KQ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):205–6 (Eng. Abstr.) **(Chi)**

[Principles of the management of patients with juvenile uterine hemorrhage] Savel'eva GM, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):33–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dysfunctional uterine bleeding in women over 40 years of age. Ngu A, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb; 24(1):30–3

Delayed hemorrhage following conservative surgery for tubal ectopic pregnancy: prevention and early detection. Jarrell JF. **Can J Surg** 1984 May;27(3):251–2

Anovulatory uterine bleeding. Poindexter AN, et al. **Compr Ther** 1983 Dec;9(12):65–71 (10 ref.)

Clinical evaluation of uterine hemorrhage in early pregnancy. Krzysiek J. **Ginekol Pol** 1984 Feb;55(2):109–14

Postmenopausal bleeding secondary to metastatic disease in the endocervix from carcinoma of the breast. Cohan L, et al. **Gynecol Oncol** 1984 Jan;17(1):133–6

Etiology of postmenopausal bleeding in Thai women. An analysis of 195 cases. Linasmita V. **J Med Assoc Thai** 1983 Nov;66(11):674–9

Vaginal bleeding in adolescents. Gidwani GP. **J Reprod Med** 1984 Jun;29(6):417–20

Hemorrhage after amniocentesis [letter] Jackson FI. **J Ultrasound Med** 1984 Feb;3(2):80

[Vaginal bleeding as the presenting symptom of adenocarcinoma of the kidney] Vedel T, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3668 (Eng. Abstr.) **(Dan)**

['Because the placenta separated from the floor of the uterus'] Groenendijk AG, et al. **Ned Tijdschr Geneeskd** 1984 Mar 24;128(12):537–40 **(Dut)**

[Genital hemorrhage in girls before puberty. Apropos of 33 cases] David L, et al. **Sem Hop Paris** 1984 Apr 19; 60(17):1195–9 (Eng. Abstr.) **(Fre)**

[Hemorrhage during delivery] Popkin DR. **Union Med Can** 1984 Mar;113(3):174–8 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of a deciduoma with intra–abdominal hemorrhage] Noack EJ, et al. **Geburtshilfe Fraunheilkd** 1984 Apr;44(4):263–4 (Eng. Abstr.) **(Ger)**

[A case of intolerance to a contraceptive intrauterine device] Konieczny A. **Wiad Lek** 1983 Dec 1;36(23):1995–8 (Eng. Abstr.) **(Pol)**

[Etiological diagnosis of hemorrhage caused by coagulation disorders in obstetrics] Negură A. **Rev Med Chir Soc Med Nat Iasi** 1983 Jul–Sep;87(3):497–501 **(Rum)**

[Clinical significance of blood spotting in endometrial atrophy in postmenopausal women] Gabuniia MS, et al. **Akush Ginekol (Mosk)** 1984 May;(5):39–42 (Eng. Abstr.) **(Rus)**

[Hematoma of the parametrium due to birth trauma] Dinulović D, et al. **Jugosl Ginekol Opstet** 1983 Jan–Apr; 23(1–2):32–4 (Eng. Abstr.) **(Ser)**

IMMUNOLOGY

[Evaluation of the immune status of patients with dysfunctional uterine hemorrhages during treatment with female sex hormones] Mitrofanov NA, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):71–2 **(Rus)**

MORTALITY

Fatal hemorrhage from legal abortion in the United States. Grimes DA, et al. **Surg Gynecol Obstet** 1983 Nov; 157(5):461–6

OCCURRENCE

[Hemorrhaging in early pregnancy] Hohlweg–Majert P, et al. **Zentralbl Gynakol** 1984;106(1):18–25 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Basophilic degeneration with special reference to its pathophysiological aspects. Kawamoto S, et al. **Acta Pathol Jpn** 1983 May;33(3):619–28

PHYSIOPATHOLOGY

[Use of the control group selected by a method of matched samples in the evaluation of the health status of children from complicated pregnancies] Wolańska W. **Probl Med Wieku Rozwoj** 1979;8:246–56 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

The hemostatic effect of tranexamic acid in conisatio colli uteri. Lundvall F, et al. **Acta Obstet Gynecol Scand** 1984; 63(1):81–4

Effects of prostaglandin E2 analogue suppository on blood loss in suction abortion. Sidhu MS, et al. **Obstet Gynecol** 1984 Jul;64(1):128–30

[Combined use of electrostimulation and oxytocin in preventing hemorrhage during placental stage and early postpartum period] Glebova NN, et al. **Akush Ginekol (Mosk)** 1983 Dec;(12):65–6 **(Rus)**

PSYCHOLOGY

Dysfunctional uterine bleeding and prior life stress. Tudiver F. **J Fam Pract** 1983 Dec;17(6):999–1003

SURGERY

Emergency hysterectomy for obstetric hemorrhage. Clark SL, et al. **Obstet Gynecol** 1984 Sep;64(3):376–80

Hysterectomy as treatment for complications of legal abortion. Grimes DA, et al. **Obstet Gynecol** 1984 Apr; 63(4):457–62

THERAPY

Uterine tamponade for the control of acute uterine bleeding. Goldrath MH. **Am J Obstet Gynecol** 1983 Dec 15; 147(8):869–72

Cervical pregnancy managed by balloon tamponade [letter] Patchell RD. **Am J Obstet Gynecol** 1984 May 1;149(1):107

Translaparoscopic hemostasis with microfibrillar collagen in lieu of laparotomy. A report of two cases. Borten M, et al. **J Reprod Med** 1983 Nov;28(11):804–6

Uterine embolization in a patient with postabortal hemorrhage. Haseltine FP, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):78S–80S

[Anti–shock trousers in the management of gynecologic and obstetric hemorrhagic shock] Zhang BZ. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):229–31 (Eng. Abstr.) **(Chi)**

[Embolization of the internal iliac arteries in the management of critical vaginal bleeding] Lahousen M, et al. **Geburtshilfe Fraunheilkd** 1983 Nov;43(11):655–7 (Eng. Abstr.) **(Ger)**

[Acute hemorrhage in the pelvic region] Melchert F, et al. **Gynakologe** 1984 Jun;17(2):131–7 **(Ger)**

[Reflexotherapy of juvenile uterine hemorrhage with low–intensity laser beam] Kornilova AI, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):36–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Persistent uterine and vaginal hemorrhage in a beagle with factor VII deficiency. Wheeler SL, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):447–8

UTERINE INERTIA

DIAGNOSIS

[Method of clinical evaluation of uterine contractility during labor] Karash IuM. **Akush Ginekol (Mosk)** 1984 Jul; (7):69–73 **(Rus)**

DRUG THERAPY

Control of persistent primary postpartum haemorrhage due to uterine atony with intravenous prostaglandin E2. Case report. Thiery M. **Br J Obstet Gynaecol** 1983 Oct; 90(10):988

Use of 15-methyl prostaglandin F2 alpha postpartum to contract the uterus in normal pregnant women. Nelson GH. **J Med Assoc Ga** 1983 Oct;72(10):703–6

[Use of prostaglandin in the treatment of post-partum hemorrhage caused by uterine atony. Evaluation, results and therapy of 20 cases treated with prostin F2 alpha] Migliavacca AE, et al. **Minerva Ginecol** 1983 Jul–Aug; 35(7–8):499–504 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Pathogenesis, clinical picture and treatment of primary uterine inertia] Starostina TA, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):6–9 (49 ref.) **(Rus)**

METABOLISM

[Concentration of cyclic adenosine-3'5'-monophosphate and guanosine-3'5'-monophosphate in placental cells during physiologic and complicated pregnancy and during labor] Radzinskil VE, et al. **Akush Ginekol (Mosk)** 1984 Jan; (1):33–4 (Eng. Abstr.) **(Rus)**

THERAPY

[Use of peridural analgesia during treatment of uterine inertia] Gusev SIu, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

UTERINE MUSCLE see MYOMETRIUM

UTERINE NEOPLASMS

Benign metastasizing leiomyoma. Stephenson CA, et al. **Ala J Med Sci** 1984 Jan;21(1):78–81

Late cutaneous and muscular metastases of a uterine leiomyosarcoma after an initial simultaneous presentation with an adenocarcinoma. McIntosh GS, et al. **Ann Chir Gynaecol** 1983;72(4):229–31

New aspects of endometrial carcinoma. Silverberg SG. **Clin Obstet Gynaecol** 1984 Apr;11(1):189–208 (44 ref.)

Poor-prognosis metastatic gestational trophoblastic neoplasia. Hammond CB, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):228–39

Postmolar trophoblastic disease: diagnosis, management, and prognosis. Morrow CP. **Clin Obstet Gynecol** 1984 Mar; 27(1):211–20

The relationship of tubal blockage, infertility of unknown cause, suspected male infertility, and endometriosis to success of in vitro fertilization and embryo transfer. Mahadevan MM, et al. **Fertil Steril** 1983 Dec;40(6):755–62

Anti-Müllerian hormone is not cytotoxic to human endometrial cancer in tissue culture. Roseнwaks Z, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):166–9

Clinical behaviour of gestational trophoblastic disease. Pal MN, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):149–51

Molar pregnancy: a clinical study of 347 cases. Koetsawang A. **J Med Assoc Thai** 1984 Feb;67(2):73–8

Carcinoma of the endometrium. Cavanagh D, et al. **Obstet Gynecol Annu** 1984;13:211–60 (123 ref.)

Endometriosis: approaches to diagnosis and treatment. Luciano AA, et al. **Surg Annu** 1984;16:297–312 (56 ref.)

Gestational trophoblastic diseases. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1983;692:7–81

[Practical oncology. Uterine cervix and corpus cancer] **MMW** 1983 Sep 16;125(37):779–92 **(Ger)**

[Sarcoma of the uterus] Laureti E, et al. **Minerva Ginecol** 1983 Oct;35(10):657–64 (Eng. Abstr.) **(Ita)**

[Cerebral metastasis of choriocarcinoma] Kaseki S, et al. **Gan No Rinsho** 1984 Jul;30(9 Suppl):1002–9 (Eng. Abstr.) **(Jpn)**

[Metastasis of choriocarcinoma to the jejunum] Fujita N, et al. **Rinsho Hoshasen** 1981 Dec;26(13):1413–6 (Eng. Abstr.) **(Jpn)**

[Interstitial gamma therapy of recurrences and metastases of cancer of the uterus and rectum to the vagina] Androsov NS, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):48–54 (Eng. Abstr.) **(Rus)**

[Indirect radionuclide lymphography using In-113m in patients with uterine cancer] Baranov SB. **Med Radiol (Mosk)** 1984 Jan;29(1):21–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Human chorionic gonadotropin levels in complete and partial hydatidiform moles and in nonmolar abortuses. Smith EB, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):129–32

Localization of HCG alpha and HCG beta in trophoblastic tumors. Kawagoe K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):111–7

A quantitative study of nuclear DNA of trophoblastic cells: proliferation kinetics. Kashimura Y. **Gynecol Oncol** 1983 Dec;16(3):374–82

Estradiol and progesterone receptors in two cases of endometrial stromal sarcoma. Lantta M, et al. **Gynecol Oncol** 1984 Jun;18(2):233–9

The relationship of histologic and histochemical parameters to progesterone receptor status in endometrial adenocarcinomas. Zaino RJ, et al. **Gynecol Oncol** 1983 Oct; 16(2):196–208

Immunocytochemical localization of placental lactogen and chorionic gonadotropin in the normal placenta and trophoblastic tumors, with emphasis on intermediate trophoblast and the placental site trophoblastic tumor. Kurman RJ, et al. **Int J Gynecol Pathol** 1984;3(1):101–21

Structures of the asparagine-linked sugar chains of human chorionic gonadotropin produced in choriocarcinoma. Appearance of triantennary sugar chains and unique biantennary sugar chains. Mizuochi T, et al. **J Biol Chem** 1983 Dec 10;258(23):14126–9

Cytological distribution of chorionic gonadotropin subunit and placental lactogen messenger RNA in neoplasms derived from human placenta. Hoshina M, et al. **J Cell Biol** 1983 Oct;97(4):1200–6

Histographic DNA pattern as an aid for diagnosis and therapy of minimal invasive endometrial cancer. Herzog RE, et al. **Onkologie** 1984 Feb;7(1):27–31

Regulation of estrogen receptor levels in endometrial cancer cells. Gurpide E, et al. **Prog Clin Biol Res** 1984;142:145–65

[Correlation between estrogen receptor(ER), progesterone receptor(PR) and human keratin protein (hKP) in endometrial carcinoma] Hatae M, et al. **Gan No Rinsho** 1983 Dec;29(15):1740–9 (Eng. Abstr.) **(Jpn)**

[Estrogen receptor system of the endometrium in health and in several pathological states] Adamian LV, et al. **Akush Ginekol (Mosk)** 1984 May;(5):34–6 (Eng. Abstr.) **(Rus)**

[Cytoplasmic steroid hormone receptors in the tumors of endometrial cancer patients] Kuz'mina ZV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):29–32 (Eng. Abstr.) **(Rus)**

[Quantitative RNA changes in the endometrium in uterine fibromyoma] Ryzhova RK, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):22–4 (Eng. Abstr.) **(Rus)**

BLOOD

Laboratory assessment of disappearance patterns of human chorionic gonadotropin from serum of patients with gestational trophoblastic disease. Boots LR, et al. **Ala J Med Sci** 1983 Oct;20(4):391–4

Vermiform structures in blood in gestational trophoblastic disease [letter] Grimes DA, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):469–70

Sulfation-produced artifacts in blood smears [letter] López-Llera M, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):830–1

Toxemia worms—an artifact? [letter] Sadovsky E, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):831–2

Levels of placenta-specific tissue protein 12 (PP12) in serum during normal pregnancy and in patients with trophoblastic tumour. Than GN, et al. **Arch Gynecol** 1983;234(1):39–46

Estrone sulphate plasma levels in postmenopausal women with and without endometrial cancer. Jasonni VM, et al. **Cancer** 1984 Jun 15;53(12):2698–700

Hormonal profile of endometrial cancer. Oettinger M, et al. **Gynecol Obstet Invest** 1984;17(5):225–35

Low serum selenium concentration in patients with cervical or endometrial cancer. Sundström H, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):35–40

Oral glucose tolerance test in myoma uterus. Khandelwal S, et al. **J Indian Med Assoc** 1983 Oct;81(7–8):114–5

Alpha subunit and human chorionic gonadotropin in normal pregnancy and gestational trophoblastic disease. Elegbe RA, et al. **Obstet Gynecol** 1984 Mar;63(3):335–7

Significance of serum tumor markers in patients with carcinoma of the ovary. Kikuchi Y, et al. **Obstet Gynecol** 1984 Apr;63(4):561–6

[Partial hydatidiform mole with significantly increased serum HCG levels in the triploidy syndrome] Arnholdt H, et al. **Geburtshilfe Frauenheilkd** 1984 May;44(5):328–32 (Eng. Abstr.) **(Ger)**

[Analysis of high risk factors in endometrial carcinoma—endocrine imbalances and dysfunctional uteri] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr;36(4):515–8 (Eng. Abstr.) **(Jpn)**

[Pregnancy-specific beta 1-glycoprotein (SP1) in the serum of women with malignant genital neoplasms] Sikorski R, et al. **Ginekol Pol** 1983 Oct;54(10):625–8 (Eng. Abstr.) **(Pol)**

[Hypereosinophilia in uterine fibromyoma with symptoms of necrosis] Dolgushina LM, et al. **Akush Ginekol (Mosk)** 1984 May;(5):67–8 **(Rus)**

[Hormonal balance of patients with precancerous endometrial processes in the postmenopausal period] Iurovskil SL, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):39–43 (Eng. Abstr.) **(Rus)**

[State of the hemostasis system in patients with benign tumors of the uterus and adnexa uteri in pre- and postoperative periods] Savchenko VF. **Akush Ginekol (Mosk)** 1983 Dec; (12):67–70 (Eng. Abstr.) **(Rus)**

[Blood prolactin level of breast and endometrial cancer patients during surgical intervention] Pozdniakov VV, et al. **Vopr Onkol** 1984;30(2):9–14 (Eng. Abstr.) **(Rus)**

[Hyperthyroxinemia in trophoblastic disease] Cano C, et al. **Rev Invest Clin** 1983 Jul–Sep;35(3):197–200 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Ultrastructural characteristics of microcirculation in tumor nodules of leiomyoma of the uterus] Brekhman GI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):65–7 (11 ref.) (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Characteristics of estrogen-treated women. A descriptive epidemiological study of a Swedish population. Part II. Persson I, et al. **Acta Obstet Gynecol Scand** 1983; 62(4):297–302

The benefits of estrogen to the menopausal woman outweigh the risks of developing endometrial cancer. Braustein GD. **CA** 1984 Jul–Aug;34(4):210–9 (84 ref.)

The benefits of estrogen to the menopausal woman outweigh the risks of developing endometrial cancer. Morrow CP. **CA** 1984 Jul–Aug;34(4):220–31 (87 ref.)

Exogenous estrogens and development of breast and endometrial cancer. Vakil DV, et al. **Cancer Detect Prev** 1983;6(4–5):415–24

Cohort study of oestrogen treatment and the risk of endometrial cancer: evaluation of method and its applicability. Persson I, et al. **Eur J Clin Pharmacol** 1983; 25(5):625–32

Oral contraceptives and endometrial cancer [letter] Maxey ES. **JAMA** 1983 Oct 28;250(16):2111

Tumors of female offspring of mice exposed prenatally to diethylstilbestrol. Walker BE. **JNCI** 1984 Jul;73(1):133–40

Experimental induction of uterine cancer in rats by N-methyl-N'-nitro-N-nitrosoguanidine. Tanaka T, et al. **Pathol Res Pract** 1983 Aug;178(1):20–6

Estrogen replacement therapy—boon or bane? Current status of the controversy. Cali RW. **Postgrad Med** 1984 Mar; 75(4):279–86

[Effect of neonatal androgenization on uterine sarcomagenesis induced by 1,2-dimethylhydrazine in female CBA mice] Smirnova IO, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):91–2 (Eng. Abstr.) **(Rus)**

[Estrogen treatment and the risk of endometrial cancer] Persson I. **Lakartidningen** 1984 May 16;81(20):2068–71 (Eng. Abstr.) **(Swe)**

CLASSIFICATION

Glandular intraepithelial neoplasia (GIN)—a unifying concept of the precursors of endometrial adenocarcinoma. Ruffolo EH, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov; 23(4):220–5

COMPLICATIONS

IgD plasma cell leukemia and uterine malignant mixed Müllerian tumor. Berneman ZN, et al. **Acta Haematol (Basel)** 1984;72(1):52–6

Diagnostic oncology case study. Slow-healing pelvic fractures in a patient with endometrial cancer. Nussbaum H, et al. **AJR** 1984 Apr;142(4):766–8

Acute intermittent porphyria and hydatid mole: etiology of hyperthyroidism. Hamilton PR, et al. **Am J Obstet Gynecol** 1984 May 15;149(2):226–7

Endometrial adenocarcinoma and the Stein-Leventhal syndrome. Tsoutsoplides GC. **Am J Obstet Gynecol** 1983 Dec 1;147(7):844–5

Angiographic management of bleeding in gestational trophoblastic malignancy. Vujic I, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):90–2

Pregnancy complicated by gestational trophoblastic disease in a renal transplant recipient. Manifold IH, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1025–6

Malignant mixed Müllerian tumor of the endometrium in a young woman with polycystic ovaries. Chumas JC, et al. **Cancer** 1983 Oct 15;52(8):1478–81 (36 ref.)

Atypical dermatitis herpetiformis in two patients with internal malignancy. Walton S, et al. **Clin Exp Dermatol** 1984 Jul;9(4):402–6

Nonneoplastic complications of molar pregnancy. Twiggs LB. **Clin Obstet Gynecol** 1984 Mar;27(1):199–210

Endoarterial pulmonary metastasis of malignant trophoblast associated with a term intrauterine pregnancy. Carlson JA Jr, et al. **Gynecol Oncol** 1984 Feb;17(2):241–8

Non immune hydrops fetalis. Lyon AJ, et al. **J R Army Med Corps** 1984 Feb;130(1):66–8

Dermatomyositis and multiple malignancies in a patient treated with methotrexate. Callen JP. **J Surg Oncol** 1983 Oct;24(2):113–6

Endometriosis with ascites. Jenks JE, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):75S–77S

[The reproductive function following a hydatidiform mole] Flici O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(1):67–76 (Eng. Abstr.) **(Fre)**

[Thrombopenia associated with a case of uterine leiomyoma. Recovery after hysterectomy (letter)] Dine G, et al. **Presse Med** 1984 Jun 2;13(23):1459 **(Fre)**

[Spontaneous rupture of a deciduoma with intra-abdominal hemorrhage] Noack EJ, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):263–4 (Eng. Abstr.) **(Ger)**

[Secondary dysmenorrhea] Mohr A, et al. **Ther Umsch** 1983 Jul;40(7):634–41 (Eng. Abstr.) **(Ger)**

[A case of uterus involvement with tuberculosis and malignant tumor] Kolachevskaia EN, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):68–9 **(Rus)**

[Surgical treatment of varicose veins of the lower extremities in patients with fibromyoma of the uterus] Shevchuk MG, et al. **Klin Khir** 1984 Jul;(7):60–1 (Eng. Abstr.) **(Rus)**

[Case report of a patient with a uterine myoma and thrombosis of the left common iliac vein] Drača P, et al. **Srp Arh Celok Lek** 1983 May;111(5):675–8 **(Scc)**

[Detection of erythropoietic activity in fibromyoma cells] Fadel de Tarsitano MI, et al. **Sangre (Barc)** 1983;28(6):682–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The Isaacs Endometrial Cell Sampler. An evaluation in 100 patients with postmenopausal bleeding. Bamford DS, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):101–4

Accuracy of endometrial aspiration in the diagnosis of endometrial cancer. Inoue Y, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct;27(5):477–81

Peritoneal washing cytology. Uses and diagnostic criteria in gynecologic neoplasms. Ziselman EM, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):105–10

Non-specificity of symptoms related to adenomyosis. A prospective comparative survey. Kilkku P, et al. **Acta Obstet Gynecol Scand** 1984;63(3):229–31

Lectin binding in endometrial adenocarcinoma. Kluskens LF, et al. **Am J Clin Pathol** 1984 Sep;82(3):259–66

Detection of postmenopausal women at risk for endometrial carcinoma by a progesterone challenge test. Hanna JH, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):872–5

Lack of efficacy of prehysterectomy curettage as a diagnostic procedure. Lerner HM. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1055–6

Elevation of serum CA125 in carcinomas of the fallopian tube, endometrium, and endocervix. Niloff JM, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1057–8

Monoclonal versus polyclonal antibody radioimmunoassay against the beta-subunit of human chorionic gonadotropin in patients with gestational trophoblastic neoplasia. Wu T, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):821–5

Endometrial hyperplasia and carcinoma. Diagnostic considerations. Norris HJ, et al. **Am J Surg Pathol** 1983 Dec;7(8):839–47

The syndrome of partial mole. Wong LC, et al. **Arch Gynecol** 1984;234(3):161–6

Metastatic choriocarcinoma appearing as a unilateral renal mass [letter] Jarrett DD, et al. **Arch Pathol Lab Med** 1984 May;108(5):356–7

Statement of caution in the interpretation of papillomavirus-associated lesions of the epithelium of uterine cervix [letter] Kaufman R, et al. **Arch Pathol Lab Med** 1984 Mar;108(3):182–3

Partial hydatidiform mole: ultrasonographic features. Woo JS, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):103–7

Association of a persistently retroverted gravid uterus with a large myoma. Lee J, et al. **Australas Radiol** 1984 Feb; 28(1):34–8

Ultrasound and hormonology in the diagnosis of hydatiform mole with coexistent foetus. A case report. Gerli M, et al. **Clin Exp Obstet Gynecol** 1983;10(4):185–7

Uterine lipomas. Review of the literature. Krenning RA, et al. **Clin Exp Obstet Gynecol** 1983;10(2–3):91–4

Molar pregnancy: presentation and diagnosis. Kohorn EI. **Clin Obstet Gynecol** 1984 Mar;27(1):181–91

Trophoblastic disease monitoring. O'Brien TJ. **Clin Obstet Gynecol** 1984 Mar;27(1):240–7

Possibilities of clinical utilization of GnRH-test in menopause to identify the woman at risk for hormone-related pathology. Marchesoni D, et al. **Eur J Gynaecol Oncol** 1983;4(3):205–10

Diagnostic outpatient aspiration curettage. Two years experience. Nencioni T, et al. **Eur J Gynaecol Oncol** 1984; 5(2):126–30

Choriocarcinoma following term gestation. Berkowitz RS, et al. **Gynecol Oncol** 1984 Jan;17(1):52–7

Cytologic detection of endometrial carcinoma by the endocyte technique. Yazigi R, et al. **Gynecol Oncol** 1983 Dec;16(3):346–51

The cytological diagnosis of pre-malignant conditions of the uterus—a study in pre-menopausal women. Nayar M, et al. **Indian J Cancer** 1983 May–Jun;20(2):97–101

Preparation and properties of mouse monoclonal antibody (W14A) to human chorionic gonadotropin. Searle F, et al. **Int J Cancer** 1984 Apr 15;33(4):429–34

Pregnancy-specific proteins as markers for gestational trophoblastic disease. Horne CH, et al. **Int J Gynecol Pathol** 1984;3(1):27–40 (74 ref.)

The incidence of intrauterine abnormalities found at hysteroscopy in patients undergoing elective hysteroscopic sterilization. Cooper JM, et al. **J Reprod Med** 1983 Oct; 28(10):659–61

Laparoscopic, gynecographic and ultrasonographic vs. clinical evaluation of a pelvic mass. el-Minawi MF, et al. **J Reprod Med** 1984 Mar;29(3):197–9

Sonographic features of uterine leiomyomas: analysis of 41 proven cases. Gross BH, et al. **J Ultrasound Med** 1983 Sep; 2(9):401–6

Case of the month: Bicornuate uterus with presumed fibroids bilaterally. Munitz HA. **J Ultrasound Med** 1983 Dec; 2(12):R134, R138

Cystic parametrial fibroids mimicking ovarian cystadenoma. Nocera RM, et al. **J Ultrasound Med** 1984 Apr;3(4):183–7

Low grade endometrial stromal sarcoma: report of a case with ultrastructural study. Miles PA, et al. **Milit Med** 1983 Nov;148(11):867–8

Detection of endometrial carcinoma and hyperplasia in asymptomatic women. Koss LG, et al. **Obstet Gynecol** 1984 Jul;64(1):1–11

Pitfalls in the diagnosis of endometrial neoplasia. Winkler B, et al. **Obstet Gynecol** 1984 Aug;64(2):185–94

Pitfalls in the diagnosis of gestational choriocarcinoma. A case report. Krige LP, et al. **S Afr Med J** 1984 Jan 7; 65(1):26–7

Current methods in direct imaging of uterine and ovarian tumours. Jirouš J. **Sb Ved Pr Lek Fak Univ Karlovy** 1983; 26(1):1–115

Twenty-three year old caucasian female at 23 weeks gestation with vaginal bleeding and abnormal ultrasound study [clinical conference] Pederson KA, et al. **SD J Med** 1983 Dec;36(12):5–10

Ultrasonic diagnosis of trophoblastic disease: molar gestation. Eich BR, et al. **W Va Med J** 1984 Apr;80(4):74–5

[Postmenopausal endometriosis] Makaveeva V, et al. **Akush Ginekol (Sofiia)** 1983;22(4):298–301 (Eng. Abstr.) **(Bul)**

[Hysterocervicoscopy in the diagnosis of endometrial and cervix precancer and cancer] Popova M. **Akush Ginekol (Sofiia)** 1983;22(2):122–7 (Eng. Abstr.) **(Bul)**

[Cost-saving alternatives for fractionated curettage; potential application in the early screening for endometrial carcinoma] Brölmann HA. **Ned Tijdschr Geneeskd** 1984 May 19;128(20):947–50 **(Dut)**

[Prognostic criteria in cancers of the uterus] Baltzer J, et al. **Fortschr Med** 1983 Aug 11;101(30):1359–62 **(Ger)**

[Accuracy and practicability of the Prevical curette for the early diagnosis of endometrial carcinoma] Fischbach F, et al. **Geburtshilfe Frauenheilkd** 1983 Oct;43(10):611–5 (Eng. Abstr.) **(Ger)**

[Intrauterine ultrasonic tomography (IUT): comparison with macroscopic sections] Hötzinger H, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):219–24 (Eng. Abstr.) **(Ger)**

[Early sonographic determination of hydatidiform mole with a simultaneously developed fetus] Wagner H, et al. **Geburtshilfe Frauenheilkd** 1984 May;44(5):325–7 (Eng. Abstr.) **(Ger)**

[Uterine carcinoma] **Gynakol Rundsch** 1983;23 Suppl 3:128–65 **(Ger)**

[Early cancer diagnosis through automated cytoanalysis (Fazytan system)] Reinhardt ER, et al. **Microsc Acta [Suppl]** 1983;6:121–33 (Eng. Abstr.) **(Ger)**

[Intrauterine ultrasonic tomography] Hötzinger H, et al. **ROFO** 1984 Jan;140(1):66–8 (Eng. Abstr.) **(Ger)**

[Endometriosis] Hohl MK. **Ther Umsch** 1983 Jul;40(7):655–61 (Eng. Abstr.) **(Ger)**

[Potentials and limits of conventional differential diagnosis of the endometrium] Höffken H, et al. **Zentralbl Gynakol** 1984;106(7):421–30 (Eng. Abstr.) **(Ger)**

[Actinomycotic infection of endometriosis caused by intrauterine contraception] Reuleaux H, et al. **Zentralbl Gynakol** 1983;105(18):1181–8 (Eng. Abstr.) **(Ger)**

[Use of the 'Gravlee Jet Washer' in the diagnosis of malignant neoplasia of the endometrium] Iervolino P, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):147–56 (Eng. Abstr.) **(Ita)**

[Preoperative diagnosis for stage II endometrial carcinoma using endocervical conization] Fukuda K, et al. **Gan No Rinsho** 1984 Jul;30(8):933–6 (Eng. Abstr.) **(Jpn)**

[A case of highly atypical hyperplasia—difficult to differentiate from carcinoma] Katayama S, et al. **Gan No Rinsho** 1984 Jun;30(7):865–70 (Eng. Abstr.) **(Jpn)**

[Invasive mole developing from mole-like villi] Fukushima T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):463–6 **(Jpn)**

[Diagnostic score for choriocarcinoma and invading hydatidiform mole] Ishizuka N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):459–62 **(Jpn)**

[Studies on the early diagnosis of endometrial carcinoma. Analysis of risk factors and cytological approach] Kasai T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun; 36(6):865–74 (Eng. Abstr.) **(Jpn)**

[Cytological diagnosis of endometrial cancer with 'Endocyte'] Kurihara S. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1117–21 **(Jpn)**

[Image diagnosis in gynecologic diseases, with special reference to malignant uterine neoplasms] Sekiba K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2441–6 **(Jpn)**

[Role of hysteroscopy in diagnosis and management of trophoblastic disease] Suzuki A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):255–60 (Eng. Abstr.) **(Jpn)**

[Hysterography and hysteroscopy in the diagnosis of cancer of the uterus] Stelmachów J, et al. **Nowotwory** 1983 Jan–Mar;33(1):51–4 (Eng. Abstr.) **(Pol)**

[Giant retroperitoneal cystic uterine myoma] Sward J, et al. **Wiad Lek** 1983 Oct 15;36(20):1737–9 (Eng. Abstr.) **(Pol)**

[Leiomyoblastoma in a myomatous uterus] Sward J, et al. **Wiad Lek** 1984 Feb 15;37(4):302–5 (Eng. Abstr.) **(Pol)**

[Multifocal and multiple malignant neoplasms in the female genital tract] Szymański W, et al. **Wiad Lek** 1983 Sep 15; 36(18):1549–52 (Eng. Abstr.) **(Pol)**

[Clinical characteristics of lesser forms of endometriosis in infertility] Doshchanova AM. **Akush Ginekol (Mosk)** 1984 May;(5):31–3 (Eng. Abstr.) **(Rus)**

[Clinical features of precancerous processes in the endometrium] Oleĭnik VI. **Akush Ginekol (Mosk)** 1983 Sep; (9):63–4 (9 ref.) (Eng. Abstr.) **(Rus)**

[Hysteroscopy in uterine trophoblastic tumors] Savinova VF, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):45 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the information value of computer tomography and objective clinical study based on surgical data in patients with ovarian, corpus and cervix uteri neoplasms] Spasokukotskaia ON, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):32–4 (Eng. Abstr.) **(Rus)**

[Echographic characteristics of uterine myoma] Zykin BI. **Akush Ginekol (Mosk)** 1984 Apr;(4):25–6 (Eng. Abstr.) **(Rus)**

[Trophoblastic disease] Ol'khovskaia IG, et al. **Arkh Patol** 1984;46(2):86–90 (51 ref.) (Eng. Abstr.) **(Rus)**

[Diseases presenting as tuberculosis of the female genital organs] Mochalova TP, et al. **Probl Tuberk** 1983 Nov; (11):70–1 **(Rus)**

[Leiomyosarcoma of the uterus - diagnostic problems] Pikula B, et al. **Jugosl Ginekol Opstet** 1983 Jan–Apr;23(1–2):23–5 (Eng. Abstr.) **(Ser)**

DRUG THERAPY

Local perfusion chemotherapy for gestational malignant trophoblastic tumours. Szigetvári I, et al. **Acta Chir Hung** 1984;25(3):139–46

Phase II trial of cisplatin as second-line chemotherapy in patients with advanced or recurrent endometrial carcinoma. A Gynecologic Oncology Group study. Thigpen JT, et al. **Am J Clin Oncol** 1984 Jun;7(3):253–6

Tamoxifen and endometrial carcinoma: alterations in estrogen and progesterone receptors in untreated patients and combination hormonal therapy in advanced neoplasia. Carlson JA Jr, et al. **Am J Obstet Gynecol** 1984 May 15; 149(2):149–53

A conservative approach to the management of uterine leiomyoma: pituitary desensitization by a luteinizing hormone-releasing hormone analogue. Filicori M, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):726–7

Choriocarcinoma associated with term gestation. Olive DL, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):711–6

Plasma methotrexate levels in patients with gestational trophoblastic neoplasia treated by two methotrexate regimens. Rotmensch J, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):730–4

Reevaluation of 5-fluorouracil as a single therapeutic agent for gestational trophoblastic neoplasms. Sung HC, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):69–75

Treatment of recurrent endometrial adenocarcinoma with a combination of doxorubicin and cisplatin. Tropé C, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):379–81

Hepatic impairment during simultaneous administration of medroxyprogesterone acetate and tamoxifen in the treatment of endometrial and ovarian carcinoma. Riippa P, et al. **Anticancer Res** 1984 May–Jun;4(3):109–12

Management of hydatidiform mole in women over 45 years old. Soma H, et al. **Asia Oceania J Obstet Gynaecol** 1983 Dec;9(4):393–8

Persistent chest opacity in trophoblastic disease: is thoracotomy justified? Wong LC, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):237–40

Pregnancy after cytotoxic chemotherapy for gestational trophoblastic tumours. Rustin GJ, et al. **Br Med J [Clin Res]** 1984 Jan 14;288(6411):103–6

Aminoglutethimide and warfarin. A new important drug interaction. Lønning PE, et al. **Cancer Chemother Pharmacol** 1984;12(1):10–2

Amsacrine (m-AMSA) in squamous cell carcinoma of the uterine cervix: a Southwest Oncology Group study. Hilgers RD, et al. **Cancer Treat Rep** 1984 Feb;68(2):443–4

Phase II clinical study of tamoxifen in advanced endometrial adenocarcinoma: a Gynecologic Oncology Group study. Slavik M, et al. **Cancer Treat Rep** 1984 May;68(5):809–11

Oral etoposide in gestational trophoblastic disease. Wong LC, et al. **Cancer Treat Rep** 1984 May;68(5):775–7

Treatment of gestational trophoblastic tumors. Hansen LA, et al. **Drug Intell Clin Pharm** 1984 Jul–Aug;18(7–8):569–76 (55 ref.)

High-dose depot-medroxyprogesterone acetate (DMPA) - effects on lipid and lipoprotein metabolism. Crona N, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):97–105

Tamoxifen and medroxyprogesterone therapy for advanced endometrial carcinoma. Rendina GM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun;17(4):285–91

Changes in apolipoprotein AI after treatment with high-dose medroxyprogesterone acetate. Crona N, et al. **Gynecol Obstet Invest** 1984;18(1):16–20

Gestational trophoblastic disease: the significance of vaginal metastases. Bloch B, et al. **Gynecol Oncol** 1983 Oct; 16(2):169–78

Müllerian inhibiting substance inhibition of a human endometrial carcinoma cell line xenografted in nude mice. Fuller AF Jr, et al. **Gynecol Oncol** 1984 Jan;17(1):124–32

Trophoblastic cell sensitivity to 8-day chemotherapy in nonmetastatic gestational trophoblastic neoplasia. Hilgers RD, et al. **Gynecol Oncol** 1984 Mar;17(3):386–93

Single-dose actinomycin D in the treatment of postmolar trophoblastic disease. Schlaerth JB, et al. **Gynecol Oncol** 1984 Sep;19(1):53–6

Pulse actinomycin D scheduling in nonmetastatic gestational trophoblastic neoplasia: cost-effective chemotherapy. Twiggs LB. **Gynecol Oncol** 1983 Oct;16(2):190–5

Multidrug treatment of advanced and recurrent endometrial carcinoma: a Gynecologic Oncology Group study. Cohen CJ, et al. **Obstet Gynecol** 1984 May;63(5):719–26

Postmolar trophoblastic disease in women using hormonal contraception with and without estrogen. Eddy GL, et al. **Obstet Gynecol** 1983 Dec;62(6):736–40

Treatment of advanced or recurrent endometrial adenocarcinoma with cyclophosphamide, doxorubicin, cis-Platinum, and megestrol acetate. Lovecchio JL, et al. **Obstet Gynecol** 1984 Apr;63(4):557–60

Poor-prognosis gestational trophoblastic disease: an update. Surwit EA, et al. **Obstet Gynecol** 1984 Jul;64(1):21–6

Hormonal therapy of gynecologic cancers. Durant JR. **Semin Oncol** 1983 Dec;10(4 Suppl 4):29–33

Hormonal and receptor status in postmenopausal women with endometrial carcinoma before and after treatment with tamoxifen. Luciani L, et al. **Tumori** 1984 Apr 30; 70(2):189–92

[Combined traditional Chinese and western medicine in the treatment of serious side effects of chemotherapy of malignant mole and choriocarcinoma—a report of 15 cases] Fu XS. **Chung Hsi I Chieh Ho Tsa Chih** 1983 May; 3(3):159–60 (Eng. Abstr.) **(Chi)**

[Changes in chromosomes of peripheral lymphocytes in trophoblastic diseases following chemotherapy] Bian ML. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):232–4 (Eng. Abstr.) **(Chi)**

[Treatment of malignant trophoblastic tumors with 5-fluorouracil—report of 314 cases] Xia ZF. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):167–70 **(Chi)**

[Platin-containing cytostatic combinations in the therapy of advanced gynecologic carcinomas] Schulz BO, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):34–8 (Eng. Abstr.) **(Ger)**

[Lipoprotein changes during hormonal treatment of endometriosis with lynestrenol and danazol] Teichmann AT, et al. **Geburtshilfe Frauenheilkd** 1984 Mar;44(3):171–6 (Eng. Abstr.) **(Ger)**

[Clinical treatment of adenocarcinoma of the uterus with lung metastases] Stertmann WA, et al. **MMW** 1983 Jul 22; 125(29–30):685–6 **(Ger)**

[Comparative studies of the effect on the in vitro growth of endometrial cancers of hydroxyprogesterone caproate, norethisterone acetate and D-norgestrel] Schindler C, et al. **Zentralbl Gynakol** 1984;106(7):463–6 (Eng. Abstr.) **(Ger)**

[Effective cases of advanced endometrial and recurrent ovarian cancers treated with oral administration of UFT] Akiyama J, et al. **Gan To Kagaku Ryoho** 1984 Mar; 11(3):521–6 (Eng. Abstr.) **(Jpn)**

[Analysis of side effects of a combination chemotherapy of cisplatin and adriamycin in gynecological malignancies: comparison between intravenous and intraarterial administration] Kawagoe K, et al. **Gan To Kagaku Ryoho** 1984 Mar;11(3):452–7 (Eng. Abstr.) **(Jpn)**

[Gestagen treatment of endometrial carcinoma—theoretical and practical application] Sugawa T, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1005–11 (Eng. Abstr.) **(Jpn)**

[Analysis of cytotoxicity in cultured choriocarcinoma cell lines using methotrexate and actinomycin-D] Hayashi H. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep;35(9):1641–8 (Eng. Abstr.) **(Jpn)**

[MTX sensitivity and the mechanism of resistance of various choriocarcinoma cells in culture] Kaiho T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep;35(9):1611–6 (Eng. Abstr.) **(Jpn)**

[Case of successful hormonal therapy of uterine cancer with extensive metastases to the pelvic bones] Witczak-Ploch E. **Nowotwory** 1983 Apr-Jun;33(2):139–41 (Eng. Abstr.) **(Pol)**

[Results of the use of chlormadinone and farlutal depot in hormonal therapy of uterine cancer] Witczak-Ploch E. **Nowotwory** 1983 Apr-Jun;33(2):129–38 (Eng. Abstr.) **(Pol)**

[Effect of treatment with synthetic progestins on indices of the liver protein-forming function in uterine cancer patients] Shvedova LA. **Akush Ginekol (Mosk)** 1984 Apr; (4):51–2 (Eng. Abstr.) **(Rus)**

[Planning of the treatment of atypical hyperplasia of the endometrium in patients with uterine myoma] Tkeshelashvili VT, et al. **Vopr Onkol** 1984;30(3):71–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The heterogeneity of LDH isoenzyme patterns of human uterine sarcomas and cultured sarcoma cell lines. Nelson KG, et al. **Am J Pathol** 1984 Jul;116(1):85–93

Plasma cholinesterase and trophoblastic disease. Gestational trophoblastic disease and reduced activity of plasma cholinesterase. Davies JM, et al. **Anaesthesia** 1983 Nov; 38(11):1071–4

Activities of proteinases and of a proteinase B inhibitor in tumors of the human uterus. Geyer H, et al. **Arch Gynecol** 1984;234(3):181–8

Abnormalities of cobalt-activated acylase from human sarcoma, carcinoma and the adjacent tissue. Tyran W, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):565–74

Increased estrogen-16 alpha-hydroxylase activity in women with breast and endometrial cancer. Fishman J, et al. **J Steroid Biochem** 1984 Apr;20(4B):1077–81

Aromatase activity in uterine leiomyomata. Folkerd EJ, et al. **J Steroid Biochem** 1984 May;20(5):1195–200

Time-dependent inhibition of aromatase in trophoblastic tumor cells in tissue culture. Johnston JO, et al. **J Steroid Biochem** 1984 Jun;20(6A):1221–6

Creatine kinase BB in normal, hyperplastic and neoplastic endometrium. Scambia G, et al. **J Steroid Biochem** 1984 Mar;20(3):797–8

Alkaline phosphatase from human uterine myoma. I. Purification and some properties. Purzyc L, et al. **Neoplasma** 1984;31(3):307–14

Preliminary studies of aromatase in human neoplastic endometrium. Tseng L, et al. **Obstet Gynecol** 1984 Feb; 63(2):150–4

[Biochemical studies on alkaline phosphatase isoenzyme profile in endometrial cancer] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):369–76 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Smoking and estrogen-related disease. Baron JA. **Am J Epidemiol** 1984 Jan;119(1):9–22 (92 ref.)

Cervical choriocarcinoma associated with an intrauterine contraceptive device: a case report. Martin BR 3d, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):343–4

Hormonal factors in human carcinogenesis. de Waard F. **J Cancer Res Clin Oncol** 1984;108(2):177–80

New concepts and questions in gestational trophoblastic disease. Dodson MG. **J Reprod Med** 1983 Nov;28(11):741–9 (42 ref.)

Risk factors for endometrial cancer at different ages. La Vecchia C, et al. **JNCI** 1984 Sep;73(3):667–71

Age of parents and risk of gestational trophoblastic disease. La Vecchia C, et al. **JNCI** 1984 Sep;73(3):639–42

Effects of smoking on the development of female reproductive cancers. Smith EM, et al. **JNCI** 1984 Aug; 73(2):371–6

Molar pregnancy after artificial homologous insemination for retrograde ejaculation [letter] Barriere P, et al. **Lancet** 1984 Sep 15;2(8403):635

Molar pregnancy after artificial insemination (donor) [letter] Olesnicky G, et al. **Lancet** 1984 Jun 9;1(8389):1296

Intraepithelial stage of squamous cell carcinoma of the uterine cervix: a multifactorial dynamic process. Rilke F. **Prog Clin Biol Res** 1983;132D:99–105

[Development of sarcoma in the uterus after previous radiotherapy for cancer of the cervix] Micheelsen F, et al. **Ugeskr Laeger** 1983 Oct 3;145(40):3102–3 (Eng. Abstr.) **(Dan)**

[Intrauterine contraceptive devices—malignant tumors of the uterus] Batár I. **Orv Hetil** 1984 Jul 22;125(30):1807–9 (Eng. Abstr.) **(Hun)**

[An experimental induction of teratomatous tumor in rats] Inoue T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1071–9 (Eng. Abstr.) **(Jpn)**

[Effect of zinc on immunoproteins in women with uterine myomas] Jendryczko A. **Wiad Lek** 1983 Dec 15; 36(24):2039–41 (Eng. Abstr.) **(Pol)**

[2 pathogenetic variants of corpus uteri cancer] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):34–7 (Eng. Abstr.) **(Rus)**

[Risk factors in the onset of endometrial carcinoma] Prokić N, et al. **Med Pregl** 1983;36(5–6):207–10 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

Hydatidiform mole in a Danish material. Morphology and cytogenetics. A preliminary communication. Vejerslev LO, et al. **Acta Radiol [Oncol]** 1984;23(2-3):97–102

Sex assignment in gestational trophoblastic neoplasia. Davis JR, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):722–5

XY and XX complete moles: clinical and morphologic correlations. Kajii T, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):57–64

Familial trophoblastic disease: case report. Parazzini F, et al. **Am J Obstet Gynecol** 1984 Jun 15;149(4):382–3

Complete hydatidiform moles combine maternal mitochondria with a paternal nuclear genome. Edwards YH, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):119–27

Lack of HLA (A, B and C) antigen expression on the cell surface of trophoblastic tumors (hydatidiform moles and choriocarcinoma). Yamashita K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):95–9

Two patients with complete hydatidiform mole with 46,XY karyotype. Fisher RA, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):690–3

Malignant potential of homozygous and heterozygous complete moles. Wake N, et al. **Cancer Res** 1984 Mar; 44(3):1226–30

Triploidy, partial mole and dispermy. An investigation of 12 cases. Procter SE, et al. **Clin Genet** 1984 Jul;26(1):46–51

Ovarian teratomas and gestational trophoblastic tumours: analogous genetic origins [editorial] **Lancet** 1984 Jul 7; 2(8393):22

Heterozygous complete hydatidiform moles: do they have a worse prognosis than homozygous complete moles? [letter] Fisher RA, et al. **Lancet** 1984 Jul 7;2(8393):51

Segregation patterns of polymorphic restriction sites of the gene encoding the alpha subunit of human chorionic gonadotropin in trophoblastic disease. Hoshina M, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2504–7

[Genetic factors in gestational trophoblastic tumors] Flici O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(6):579–82 (Eng. Abstr.) **(Fre)**

[Genetics of hydatidiform moles] Brackertz M. **Geburtshilfe Frauenheilkd** 1983 Jul;43(7):461–8 (Eng. Abstr.) **(Ger)**

[A study for the genesis of trophoblastic tumor, with reference to its androgenetic origin] Wake N. **Hokkaido Igaku Zasshi** 1984 Jan;59(1):21–7 (Eng. Abstr.) **(Jpn)**

[Cytological localization of hPL, hCG, and mRNA in chorionic tissue using in situ hybridization] Hoshina M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):397–404 (Eng. Abstr.) **(Jpn)**

[Molecular biological analysis of the DNA in trophoblastic disease—with special reference to genetic information of hPL and hCG(alpha, beta)] Hoshina M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):741–9 (Eng. Abstr.) **(Jpn)**

['Cancer family syndrome'—description of a family with a hereditary incidence of malignant tumors of the colon and other organs] Hasselgren PO, et al. **Lakartidningen** 1984 Jun 13;81(24):2451–3 **(Swe)**

IMMUNOLOGY

Secretory component and IgA in endometrial adenocarcinomas. An immunohistochemical study. Takeda A, et al. **Acta Pathol Jpn** 1983 Jul;33(4):725–32

Accentuated cyclic activation of peritoneal macrophages in patients with endometriosis. Halme J, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):85–90

Mixed lymphocyte reaction in hydatidiform mole. Ho PC, et al. **Am J Reprod Immunol** 1984 Jul-Aug;6(1):25–7

Further studies on immunological parameters in gestational trophoblastic neoplasia. Ho PC, et al. **Arch Gynecol** 1984; 234(4):255–61

Specificity of murine monoclonal antibodies induced by a choriocarcinoma cell-line (BEWO). Katoh T, et al. **Behring Inst Mitt** 1984 May;(74):49–54

Characterization of antigenic components from circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **Cancer** 1984 Mar 15;53(6):1316–21

Characteristics of immune complexes detectable by two independent assays in gynaecological malignancies. Poulton TA, et al. **Clin Exp Immunol** 1983 Sep;53(3):573–80

Histocompatibility antigens (HLA-A,B,C) are not detectable in molar villous fluid. Berkowitz RS, et al. **Gynecol Oncol** 1984 Sep;19(1):74–8

Circulating antibodies against human chorionic gonadotropin following trophoblastic disease. de Bruijn HW, et al. **Gynecol Oncol** 1984 Sep;19(1):114–9

Selection of monoclonal antibody to hCG which localizes in human choriocarcinoma growing in the Syrian hamster cheek pouch. Khazaeli MB, et al. **Hybridoma** 1984;3(1):41–8

Monoclonal antibody to human T-cell leukemia virus p19 defines polypeptide antigen in human choriocarcinoma cells and syncytiotrophoblasts of first-trimester placentas. Suni J, et al. **Int J Cancer** 1984 Mar 15;33(3):293–8

Mixed lymphocyte reaction in gestational trophoblastic disease: presence of a specific plasma inhibitor of the response to paternal alloantigens. Ho PC, et al. **J Reprod Immunol** 1984 Feb;6(2):105–10

Identification of material with paternal HLA antigen immunoreactivity from purported circulating immune complexes in patients with gestational trophoblastic neoplasia. Lahey SJ, et al. **JNCI** 1984 May;72(5):983–90

In vivo distribution of cytotoxic lymphocytes specifically stimulated against autologous tumor cells in vitro. Kimura H, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Aug 20; 18(5):1116–23

Immunohistological study of isoantigens, carcinoembryonic antigen and human chorionic gonadotropin in adenocarcinomas of the uterus. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):437–42

Cell surface antigens of human ovarian and endometrial carcinoma defined by mouse monoclonal antibodies. Mattes MJ, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):568–72

[Evaluation of cellular change to malignancy by tissue localization of blood group antigens, A, B, O(H) and carcino-fetal proteins (CEA, HCG)] Kodama S. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):1987–97

(Eng. Abstr.) (Jpn)
[Studies of anti-lymphocyte antibodies, with special reference to anti-B cell antibodies in choriocarcinoma] Kajino T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2267–73 (Eng. Abstr.) (Jpn)
[Cell-mediated immunity and immunotherapy in trophoblastic tumors] Kawagoe K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1595–603 (Eng. Abstr.) (Jpn)
[Immuno-capacity in the patients with trophoblastic tumors] Mano T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):303–10 (Eng. Abstr.) (Jpn)
[Immunohistochemical demonstration of carcinoembryonic antigen and ultrastructural features of endometrial adenocarcinoma] Okudaira Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):173–81 (Eng. Abstr.) (Jpn)
[HLA antigens in choriocarcinoma] Sasagawa M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):81–4 (Eng. Abstr.) (Jpn)
[Effect of the lymphocytes of endometriosis patients on the growth of HeLa cell colonies] Startseva NV, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):53–5 (Eng. Abstr.) (Rus)

METABOLISM

Cytoplasmic progestin receptors in myomal and myometrial tissues. Concentrations and hormonal dependency. Büchi KA, et al. **Acta Obstet Gynecol Scand** 1983;62(5):487–92
Metabolism of estrone sulfate in human endometrium. Carlström K, et al. **Acta Obstet Gynecol Scand** 1983; 62(5):519–24
Prolactin production from proliferative phase leiomyoma. Daly DC, et al. **Am J Obstet Gynecol** 1984 Apr 15; 148(8):1059–63
Plasma steroid hormones, cytosol receptors, and thymidine incorporation rate in endometrial carcinoma. Lindahl B, et al. **Am J Obstet Gynecol** 1984 Jul 15;149(6):607–12
Lack of nuclear estrogen binding in benign mesothelioma of the uterus. Gould SF, et al. **Arch Gynecol** 1984; 234(3):231–4
Heterogeneity and progesterone-receptor distribution in endometrial adenocarcinoma. Mortel R, et al. **Cancer** 1984 Jan 1;53(1):113–6
Determination of human chorionic gonadotrophin (beta subunit) in saliva and its role in trophoblastic diseases. Turkes A, et al. **Eur J Cancer Clin Oncol** 1984 Feb; 20(2):291–2
Peripheral aromatization as a risk factor for breast and endometrial cancer in postmenopausal women: a review. Enriori CL, et al. **Gynecol Oncol** 1984 Jan;17(1):1–21 (193 ref.)
Establishment of human endometrial adenocarcinoma cell line containing estradiol-17 beta and progesterone receptors. Ishiwata I, et al. **Gynecol Oncol** 1984 Mar; 17(3):281–90
Dopamine-producing endometrial carcinoma with argyrophilia. Inoue M, et al. **Int J Gynaecol Obstet** 1983 Oct;21(5):387–93
Estrogen sulfoconjugation by human endometrial cancer cells (RL95-2) in culture. Grosso DS, et al. **J Clin Endocrinol Metab** 1984 Feb;58(2):368–73
Binding sites for epidermal growth factor in human uterine tissues and leiomyomas. Hofmann GE, et al. **J Clin Endocrinol Metab** 1984 May;58(5):880–4
Prostaglandin E and F2 alpha receptors in human uterine leiomyomas. Hofmann GE, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):454–7
Implications of subcellular steroid binding sites in endometrial cancer, determined by an immunofluorescent steroid-antibody technique and biochemical assay. Tamaya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan; 36(1):113–8
Effects of sex steroid hormones on the human endometrial carcinoma transplanted endometrial carcinoma transplanted into nude mice. Estrogen priming aimed at the enhancement of tumor tissue-sensitivity to progesterone. Tohtake T. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2007–16
Steroid receptors in endolymphatic stromal myosis. Baker VV, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):72S–74S
Female sex steroid receptors in post menopausal endometrial carcinoma. Biochemical responses to antiestrogen and progestin. Robel P, et al. **Prog Clin Biol Res** 1984; 142:167–79
[Cytoplasmic estrogen and progestin receptors in uterine myomatous tissue and serum estradiol and progesterone levels in women with uterine myoma] Chen GA. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):88–92 (Eng. Abstr.) (Chi)
[Estradiol and 3 H-thymidine incorporation in cultured human cancer cells (breast-endometrium)] Jozan S, et al. **Bull Assoc Anat (Nancy)** 1983 Jun;67(197):193–7 (Eng. Abstr.) (Fre)
[Clinical evaluation of Tegafur suppository in the treatment of uterine cancer—with special reference to the drug concentration in the blood, secretion from the pelvic dead space, and tissues of female genital organs] Yamada E. **Igaku Kenkyu** 1982 Nov;52(5):269–87 (Eng. Abstr.) (Jpn)
[Effect of methotrexate on cell growth and the production of hCG, beta-hCG and SP-1 in cultured choriocarcinoma cell lines] Hayashi H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):13–20 (Eng. Abstr.) (Jpn)
[Nuclear functions of normal and adenocarcinomatous cells of the endometrium and the regulatory mechanism of steroid hormones] Nishiya I. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Aug; 35(8):1156–65 (Jpn)
[Correlation between concentration of cytosol estradiol receptors and activities of RNA and protein synthesis in uterine myoma] Ohno T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):221–9 (Eng. Abstr.) (Jpn)
[Estrogen and zinc levels in the tissues of uterine myoma] Jendryczko A, et al. **Ginekol Pol** 1983 Jun;54(6):373–6 (Eng. Abstr.) (Pol)
[Hormonal composition of peritoneal fluid as an indication of the functional status of the corpus luteum in various gynecologic diseases] Torganova IG, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):10–3 (14 ref.) (Eng. Abstr.) (Rus)

MORTALITY

Adenocarcinoma of the endometrium stage I. Treatment, survival and recurrence. Philipsen T, et al. **Acta Obstet Gynecol Scand** 1984;63(1):51–5
The effect of estrogen receptor status on survival in patients with endometrial cancer. Martin JD, et al. **Am J Obstet Gynecol** 1983 Oct 1;147(3):322–4
Maternal death associated with hydatidiform molar pregnancy. Tsakok FH, et al. **Int J Gynaecol Obstet** 1983 Dec;21(6):485–90
Long-term survival in endometrial cancer with special reference to age as a prognostic factor. Persson I, et al. **Ups J Med Sci** 1984;89(2):159–70

OCCURRENCE

Trends in the incidence of cancer of the corpus uteri in Denmark, 1943–1980. Ewertz M, et al. **Am J Epidemiol** 1984 May;119(5):725–32
The epidemiology of molar pregnancy and choriocarcinoma. Buckley JD. **Clin Obstet Gynecol** 1984 Mar;27(1):153–9
The incidence and follow-up of the trophoblastic disease in ten-years period 1971–80. Montoneri C, et al. **Eur J Gynaecol Oncol** 1983;4(3):214–5
A prospective cohort study of oral contraceptives and cancer of the endometrium. Trapido EJ. **Int J Epidemiol** 1983 Sep; 12(3):297–300
Epidemiologic features of hydatidiform mole in the Netherlands. Franke HR, et al. **Obstet Gynecol** 1983 Nov; 62(5):613–6
Repeat gestational trophoblastic disease. Sand PK, et al. **Obstet Gynecol** 1984 Feb;63(2):140–4
The current status of screening for uterine cancer. Boyes DA. **Prog Clin Biol Res** 1983;132E:483–93
[Current problems of myoma disease] Grigorov S, et al. **Akush Ginekol (Sofia)** 1983;22(4):302–7 (Eng. Abstr.) (Bul)
[Cancer of the corpus uteri in Denmark 1943–1980. Neoplasm statistics 8] Ewertz M, et al. **Ugeskr Laeger** 1983 Aug 8; 145(32):2467–70 (Dan)
[The epidemiological study of endometrial adenocarcinoma. From 74 cases seen at the Saint-Antoine Maternity Hospital] Faguer C, et al. **Sem Hop Paris** 1983 Nov 24; 59(43):2975–8 (Eng. Abstr.) (Fre)
[Changes in the clinical picture, morphology and therapy of endometrial carcinoma over 3 decades] Bartl W, et al. **Onkologie** 1984 Jun;7(3):128–36 (Eng. Abstr.) (Ger)
[Case controlled study of endometrial cancer—high risk factors in Japanese women] Noda K. **Gan No Rinsho** 1983 Dec;29(15):1733–9 (Eng. Abstr.) (Jpn)
[Mass screening of uterine cancer, especially cancer of the corpus uteri, by ultrasonic tomography, cytodiagnosis, and other methods] Doi O. **Igaku Kenkyu** 1982 Nov; 52(5):217–32 (Eng. Abstr.) (Jpn)
[Study on follow-up procedure for postmolar patients] Endo N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr; 36(4):531–8 (Eng. Abstr.) (Jpn)
[High-risk factors and criteria of screening for endometrial cancer] Tenjin Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;36(7):1122–6 (Jpn)
[Incidence of malignant genital neoplasms in Cracow 1976–1979] Zdebski Z, et al. **Ginekol Pol** 1983 Nov–Dec; 54(11–12):713–7 (Eng. Abstr.) (Pol)

PARASITOLOGY

Observation of an organism found in patients with gestational trophoblastic disease and in patients with toxemia of pregnancy [letter] **Am J Obstet Gynecol** 1983 Oct 1; 147(3):349–55
Parasitic etiology for preeclampsia: fact or artifact? [letter] Papoutsis DV, et al. **Am J Obstet Gynecol** 1983 Dec 15; 147(8):977–9
Hydatoxi lualba—an artifact [letter] Perkins D, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):469
Hydatoxi lualba: artifact produced by sulfation [letter] Sibai BM, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):854

PATHOLOGY

Choriocarcinoma metastatic to the lung. A cytologic study with identification of human choriogonadotropin with an immunoperoxidase technique. Craig ID, et al. **Acta Cytol (Baltimore)** 1983 Nov-Dec;27(6):647–50
Cytology of primary and metastatic uterine sarcomas. Massoni EA, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr; 28(2):93–100
The story of a cell. The George N. Papanicolaou Award lecture. Meisels A. **Acta Cytol (Baltimore)** 1983 Nov-Dec; 27(6):584–96 (33 ref.)
Carcinoid tumor of the uterine cervix. Hariri J, et al. **Acta Obstet Gynecol Scand** 1983;62(5):539–40
Primary malignant fibrous histiocytoma of the endometrium. Takaki Y, et al. **Acta Pathol Jpn** 1983 Jul;33(4):823–9
Small cell carcinoma of the endometrium in a 23-year-old woman: light microscopic and ultrastructural study. Kumar NB. **Am J Clin Pathol** 1984 Jan;81(1):98–101
Stromal invasion in endometrial adenocarcinoma. King A, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):10–4
Addition of dilatation and curettage to conization [letter] Labes J. **Am J Obstet Gynecol** 1984 May 1;149(1):106–7
Toward the development of morphologic criteria for well-differentiated adenocarcinoma of the endometrium. Hendrickson MR, et al. **Am J Surg Pathol** 1983 Dec; 7(8):819–38
Endometrial stromal invasion in the diagnosis of well-differentiated carcinoma [letter] Kurman RJ, et al. **Am J Surg Pathol** 1984 Sep;8(9):719–20
Primary mucinous adenocarcinoma of the endometrium. A clinicopathologic and histochemical study. Ross JC, et al. **Am J Surg Pathol** 1983 Dec;7(8):715–29
Prognostic criteria in patients with endometrial cancer. Baltzer J, et al. **Arch Gynecol** 1983;234(2):121–9
Uterine adenosarcoma: a clinicopathologic study of 11 cases with a reevaluation of histologic criteria. Czernobilsky B, et al. **Arch Gynecol** 1983;233(4):281–94
Intramural müllerian adenosarcoma of the uterus with adenomyosis. Oda Y, et al. **Arch Pathol Lab Med** 1984 Oct; 108(10):798–801
Malacoplakia of the uterus [letter] Tesluk H, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):692
Morphology of human uterine cancer in nude mice. Effects of hormone and antihormone treatment. Zaino RJ, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):571–8
The establishment of human choriocarcinoma cell line in vitro. Suzumori K, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):309–15
Cell biology of choriocarcinoma. Takamizawa H, et al. **Asia Oceania J Obstet Gynaecol** 1984 Jun;10(2):245–56 (87 ref.)
Selection of therapeutic methods in consideration of the clinical stage of carcinoma of the corpus uteri in Japan. Yajima A, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep; 9(3):277–83
Central nervous system metastases of choriocarcinoma. 23 years' experience at Charing Cross Hospital. Athanassiou A, et al. **Cancer** 1983 Nov 1;52(9):1728–35
Malignant lymphoma and granulocytic sarcoma of the uterus and vagina. A clinicopathologic analysis of 27 cases. Harris NL, et al. **Cancer** 1984 Jun 1;53(11):2530–45
Intracranial metastasis of choriocarcinoma. A clinicopathologic study. Ishizuka T, et al. **Cancer** 1983 Nov 15;52(10):1896–903
Malignant mixed Müllerian tumors of the uterus. Spanos WJ Jr, et al. **Cancer** 1984 Jan 15;53(2):311–6 (14 ref.)
The pathology of trophoblastic disease: current status. Elston CW. **Clin Obstet Gynaecol** 1984 Apr;11(1):135–52 (88 ref.)
The syndromes of partial and complete molar gestation. Szulman AE, et al. **Clin Obstet Gynecol** 1984 Mar; 27(1):172–80
Placental-site trophoblastic tumor: current status. Young RH, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):248–58
The prognostic significance of DNA measurements in endometrial carcinoma. Moberger B, et al. **Cytometry** 1984 Jul;5(4):430–6
Clinical and histopathological review of 24 cases of sarcoma of the corpus uteri. Rendina GM, et al. **Eur J Gynaecol Oncol** 1984;5(2):140–5
Clinical (stage III) as compared to subclinical intrapelvic extrauterine tumor spread in endometrial carcinoma: a clinical and histopathological study of 175 patients. Aalders JG, et al. **Gynecol Oncol** 1984 Jan;17(1):64–74
Recurrent adenocarcinoma of the endometrium: a clinical and histopathological study of 379 patients. Aalders JG, et al. **Gynecol Oncol** 1984 Jan;17(1):85–103
Stage IV endometrial carcinoma: a clinical and histopathological study of 83 patients. Aalders JG, et al. **Gynecol Oncol** 1984 Jan;17(1):75–84
Dysgerminoma with syncytiotrophoblastic giant cells presenting as a hydatidiform mole. Brettell JR, et al. **Gynecol Oncol** 1984 Jul;18(3):393–401
Retroperitoneal lymph node metastases in Stage I carcinoma of the endometrium: correlation with risk factors. Chen SS, et al. **Gynecol Oncol** 1983 Dec;16(3):319–25
Carcinosarcoma of the uterus: a 40-year experience from the state of Missouri. Doss LL, et al. **Gynecol Oncol** 1984 May; 18(1):43–53
A case of triple primary gynecological malignancy. Gaulayev B, et al. **Gynecol Oncol** 1984 Jun;18(2):257–60
The prognostic significance of adenomyosis in endometrial carcinoma. Hall JB, et al. **Gynecol Oncol** 1984 Jan;

17(1):32–40

Uterine sarcomas: a clinicopathologic study, 1965–1981. Marchese MJ, et al. **Gynecol Oncol** 1984 Jul;18(3):299–312

KLE: a cell line with defective estrogen receptor derived from undifferentiated endometrial cancer. Richardson GS, et al. **Gynecol Oncol** 1984 Feb;17(2):213–30

Adenocarcinoma of the endometrium associated with intrauterine pregnancy. Suzuki A, et al. **Gynecol Oncol** 1984 Jun;18(2):261–9

Endometrial carcinoma with argyrophil cells: a histochemical and immunohistochemical analysis. Aguirre P, et al. **Hum Pathol** 1984 Mar;15(3):210–7

Intraepithelial involvement of endometrium, fallopian tube and vagina by cervical carcinoma. Sandhyamani S, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):299–303

Endometrial cancer together with leiomyosarcoma (report of an unusual case). Tripathi R, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):325–7

Argyrophilia and endometrial carcinoma. Bannatyne P, et al. **Int J Gynecol Pathol** 1983;2(3):235–54

Müllerian adenosarcoma of the endometrium: review of the literature and report of two cases. Hariri J. **Int J Gynecol Pathol** 1983;2(2):182–91

Decidua and squamous metaplasia in abdominopelvic lymph nodes. Mills SE. **Int J Gynecol Pathol** 1983;2(2):209–15

Characterization of a pure heterologous sarcoma of the uterus: rhabdomyosarcoma of the corpus. Siegal GP, et al. **Int J Gynecol Pathol** 1983;2(3):303–15

Evaluation of squamous epithelium in adenoacanthoma and adenosquamous carcinoma of the endometrium: immunoperoxidase analysis of involucrin and keratin localization. Warhol MJ, et al. **Int J Gynecol Pathol** 1984; 3(1):82–91

Sarcoma of the uterus: a ten-year experience. Vlahoussis AP, et al. **Int Surg** 1983 Jul–Sep;68(3):263–6

Uterine sarcomas in Israeli patients: a clinicopathological study. Ben-Baruch G, et al. **Isr J Med Sci** 1984 Mar; 20(3):211–5

Argyrophil cells in normal, hyperplastic, and neoplastic endometrium. Sividis E, et al. **J Clin Pathol** 1984 Apr; 37(4):378–81

Brain metastasis localized to an area of infarction. Nielsen SL, et al. **J Neurooncol** 1983;1(3):191–5

Endometrial adenocarcinoma coincident with intrauterine pregnancy. A case report. Zirkin HJ, et al. **J Reprod Med** 1983 Sep;28(9):624–6

Pure yolk sac carcinoma of the mouse uterus: report of 8 cases. Stewart HL, et al. **JNCI** 1984 Jul;73(1):115–22

Choriocarcinoma xenografts in the nude rat. Partridge CS, et al. **Lab Anim** 1984 Jul;18(3):261–4

Malignant potential of gestational trophoblastic disease at the extreme ages of reproductive life. Bandy LC, et al. **Obstet Gynecol** 1984 Sep;64(3):395–9

Comparison of estrogen-induced hyperplasia to endometrial carcinoma. Bhagavan BS, et al. **Obstet Gynecol** 1984 Jul; 64(1):12–5

Surgical staging in endometrial cancer: clinical-pathologic findings of a prospective study. Boronow RC, et al. **Obstet Gynecol** 1984 Jun;63(6):825–32

Adenocarcinoma of the endometrium in women 40 years of age or younger. Gallup DG, et al. **Obstet Gynecol** 1984 Sep;64(3):417–20

Prognostic features of sarcomas and mixed tumors of the endometrium. Peters WA 3d, et al. **Obstet Gynecol** 1984 Apr;63(4):550–6

Uterine endolymphatic stromal myosis: a collaborative study. Piver MS, et al. **Obstet Gynecol** 1984 Aug;64(2):173–8

Maternal cell contamination of amniotic fluid cell cultures from two consecutive pregnancies complicated by fibroids. Benn PA, et al. **Prenat Diagn** 1984 Mar–Apr;4(2):151–3

Benign prostatic hypertrophy and uterine leiomyomas: analogous or dissimilar diseases? Robboy SJ, et al. **Prog Clin Biol Res** 1984;145:67–79 (52 ref.)

Myxoid tumor of the uterus and right atrial myxomas. Parlow JF, et al. **SD J Med** 1983 Jul;36(7):9–13

Leiomyosarcoma in bone: primary or secondary? A case report and review of the literature. Fornasier VL, et al. **Skeletal Radiol** 1983;10(3):147–53 (32 ref.)

Morphofunctional findings in adenocarcinoma of endometrium. Eusebi V, et al. **Tumori** 1984 Jun 30; 70(3):291–5

[Combined hydatidiform mole and uterine myoma in the climacteric] Novachkov L, et al. **Akush Ginekol (Sofiia)** 1984;23(2):187–9 **(Bul)**

[Clinico-morphological characteristics of endometrial carcinoma based on autopsy data in the Institute of Oncology for 25 years (1955–1979)] Stepanov V. **Akush Ginekol (Sofiia)** 1984;23(2):171–7 (Eng. Abstr.) **(Bul)**

[Malignant mixed tumors of the uterine corpus--a clinicopathologic report of 6 cases] Zhang SW. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):32–5 (Eng. Abstr.) **(Chi)**

[Endolymphatic stromal myosis] Garat P, et al. **Ann Chir** 1983 Dec;37(9):692–5 (Eng. Abstr.) **(Fre)**

[Observations on 129 cases of uterine fibroma observed at the Dakar University Hospital] Touré CT, et al. **Dakar Med** 1983;28(3):513–24 (Eng. Abstr.) **(Fre)**

[Detection of endometrial stromal sarcoma using endometrial cytology. Apropos of a case] Phat VN, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):31–4 (Eng. Abstr.) **(Fre)**

[Accuracy of vaginal cytology in adenocarcinoma of the endometrium] Neis KJ, et al. **Geburtshilfe Frauenheilkd** 1984 May;44(5):291–4 (Eng. Abstr.) **(Ger)**

[Problems in the preoperative diagnosis of cervical involvement in endometrial carcinoma] Neis KJ, et al. **Geburtshilfe Frauenheilkd** 1983 Oct;43(10):616–9 (Eng. Abstr.) **(Ger)**

[Endometrial stromal tumors] Schujman E, et al. **Harefuah** 1983 May 15;104(10):440–3 (Eng. Abstr.) **(Heb)**

[A new method for the diagnosis of cancer of the endometrium] Iervolino P, et al. **Arch Ostet Ginecol** 1982 May–Aug;87(3–4):133–40 (Eng. Abstr.) **(Ita)**

[Lipoma of the uterus. Case report. Anatomo-clinical considerations and review of the literature] Saragoni A, et al. **Pathologica** 1983 May–Jun;75(1037):407–14 (Eng. Abstr.) **(Ita)**

[A case of Müllerian adenosarcoma of the uterus] Yonemitsu N, et al. **Gan No Rinsho** 1984 Jan;30(1):105–9 (Eng. Abstr.) **(Jpn)**

[Inhibitory effects of OK-432 and PSK on cell growth of in vitro human choriocarcinoma cell lines] Kanazawa K, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2217–24 (Eng. Abstr.) **(Jpn)**

[Specific in vitro effects of methotrexate entrapped into liposomes bearing antibody fragments against human chorionic gonadotropin on cell growth of cultured human choriocarcinoma cells] Mano H, et al. **Gan To Kagaku Ryoho** 1984 Sep;11(9):1775–80 (Eng. Abstr.) **(Jpn)**

[Pathogenesis and histogenesis of uterine leiomyoma and their correlation with the endocrine functions] Fujii S. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Aug; 35(8):1166–74 **(Jpn)**

[A light and electron microscopic studies of müllerian adenofibroma of the uterus] Iwai M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jan;36(1):44–8 (Eng. Abstr.) **(Jpn)**

[Cytological findings on endometrial carcinoma and endometrial hyperplasia] Nagai S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2283–90 (Eng. Abstr.) **(Jpn)**

[Heat sensitivity of cultured choriocarcinoma cell line (BeWo)] Sagawa T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):271–9 (Eng. Abstr.) **(Jpn)**

[Establishment of methotrexate-resistant human choriocarcinoma cell lines] Tanaka K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;36(7):1111–2 **(Jpn)**

[Cytological endometrial diagnosis with Endoscan] Kirschner R, et al. **Tidsskr Nor Laegeforen** 1984 Aug 30; 104(24):1637–9 **(Nor)**

[Endometrial hyperplasia; diagnosis and hormonal therapy] Teter J, et al. **Nowotwory** 1983 Apr–Jun;33(2):123–8 (Eng. Abstr.) **(Pol)**

[New trends in the diagnosis of trophoblastic disease] Liebhart M. **Patol Pol** 1983 Oct–Dec;34(4):353–68 (81 ref.) (Eng. Abstr.) **(Pol)**

[Biochemical and morphological studies of cells of the corpus uteri mucosa in women with risk of uterine cancer] Knapp P, et al. **Probl Med Wieku Rozwoj** 1983;12:213–9 (Eng. Abstr.) **(Pol)**

[Pathological endometrial hypertrophy and intrauterine endometriosis] Sward J, et al. **Wiad Lek** 1983 Jul 15; 36(14):1171–3 (Eng. Abstr.) **(Pol)**

[Combined endometriosis and myoma of the corpus uteri] Maier IO, et al. **Akush Ginekol (Mosk)** 1983 Nov;(11):58–9 (Eng. Abstr.) **(Rus)**

[Biological essence of the squamous-cell structures in 2-component endometrial cancer] Smirnov OA. **Arkh Patol** 1983;45(6):47–51 (Eng. Abstr.) **(Rus)**

[Malignant non-Hodgkin's lymphoma of the uterus] Zhuravlev AP, et al. **Arkh Patol** 1984;46(6):75–80 (Eng. Abstr.) **(Rus)**

[Combined morphologic evaluation of the efficacy of progestin therapy of primary endometrial cancer] Shvedova LA, et al. **Vopr Onkol** 1984;30(3):40–4 (Eng. Abstr.) **(Rus)**

[Prognostic value of histological variants of adenosquamous carcinoma of the corpus uteri] Smirnov OA. **Vopr Onkol** 1984;30(3):32–7 (Eng. Abstr.) **(Rus)**

[Clear cell carcinoma of the endometrium] Kanajet D, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec;23(5–6):119–22 (Eng. Abstr.) **(Scr)**

[Lipoleiomyoma of the uterus] Marcikić M, et al. **Jugosl Ginekol Opstet** 1983 Sep–Dec;23(5–6):122–3 (Eng. Abstr.) **(Scr)**

[Leiomyomatosis of the esophagus, tracheo-bronchi and genitals associated with Alport type hereditary nephropathy: a new syndrome] García Torres R, et al. **Rev Gastroenterol Mex** 1983 Jul–Sep;48(3):163–70 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Histological evaluation of in vitro responses of endometrial adenocarcinoma to progestins and their relation to progesterone receptor levels. Holinka CF, et al. **Cancer Res** 1984 Jan;44(1):293–6

Estrogen-like effects of tamoxifen on human endometrial carcinoma transplanted into nude mice. Satyaswaroop PG, et al. **Cancer Res** 1984 Sep;44(9):4006–10

Reproductive performance after molar pregnancy and gestational trophoblastic tumors. Goldstein DP, et al. **Clin Obstet Gynecol** 1984 Mar;27(1):221–7

Peritoneal fluid volume, 17beta-estradiol and progesterone concentrations in women with endometriosis and/or luteinized unruptured follicle syndrome. Donnez J, et al. **Gynecol Obstet Invest** 1983;16(4):210–20

Spontaneous regression of advanced endometrial carcinoma. Beller U, et al. **Gynecol Oncol** 1984 Mar;17(3):381–5

Coagulation disorders in patients with tumors of the uterus. Laghi F, et al. **Tumori** 1983 Aug 31;69(4):349–53

[Urinary and endocrine system functions in patients with benign tumors of the uterus and adnexa] Adamian LV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):19–22 (Eng. Abstr.) **(Rus)**

[Characteristics of the changes in hypophyseal gonadotropic function during the treatment of uterine cancer patients] Savinskaia AP, et al. **Akush Ginekol (Mosk)** 1984 Apr; (4):46–8 (Eng. Abstr.) **(Rus)**

[Functional reserves of the pituitary gland in patients with trophoblastic uterine tumors] Savinskaĭa AP, et al. **Med Radiol (Mosk)** 1984 Jun;29(6):76–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Progestogens, estrogen therapy, and endometrial cancer [letter] Kaunitz AM, et al. **Ann Intern Med** 1984 Feb; 100(2):316

Compliance with referrals from a cancer-screening project. Lane DS. **J Fam Pract** 1983 Nov;17(5):811–7

Prophylactic hysterectomy at oophorectomy in young women [letter] Stumpf PG. **JAMA** 1984 Sep 7; 252(9):1129–30

Criteria setting and adherence to criteria for managing cervical, breast and endometrial cancer among community physicians. Fowler WC Jr, et al. **Prog Clin Biol Res** 1983; 130:371–8

[Developments in mass screening for uterine cancer in the past 10 years (1972–1981) in Shimane Prefecture--cell sampling method and the central cytological diagnostic system] Iwanari O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1008–16 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Consumer education modifies cancer phobia - behavioral changes create a new health problem. Luciani CT, et al. **Prog Clin Biol Res** 1983;130:183–91

RADIOGRAPHY

Missed abortion presenting as a vascular tumour on hysterosalpingography. Ho A. **Br J Radiol** 1984 Jan; 57(673):102–3

Gestational trophoblastic tumors metastatic to the lung. Radiologic--clinical correlations. Hendin AS. **Cancer** 1984 Jan 1;53(1):58–61

Computed tomography of uterine papillary serous carcinoma. Hamlin DJ, et al. **Comput Radiol** 1984 Mar–Apr;8(2):79–83

Contrast enhancement versus vasculature of uterine tumors. Kormano M, et al. **Eur J Radiol** 1984 May;4(2):122–6

Digital subtraction angiography for the evaluation of persistent uterine trophoblastic disease. Oka M, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):66S–71S

The role of CT in the early diagnostics and follow-up of malignant trophoblast diseases. Csobály AS, et al. **Radiol Diagn (Berl)** 1984;25(1):31–9

[Computed tomography in the diagnosis of ovarian, cervix and uterine cancer] Spasokukotskaya ON, et al. **Arch Geschwulstforsch** 1984;54(3):225–30 (Eng. Abstr.) **(Ger)**

[Computed tomography of hydatidiform mole. Evaluation of myometrial invasion of 'mole in utero'] Miyasaka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jan 25; 44(1):99–102 (Eng. Abstr.) **(Jpn)**

[Diagnosis of uterine trophoblastic tumor] Chulkova OV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):42–4 (Eng. Abstr.) **(Rus)**

[Potentials of computer tomography in diagnosing ovarian and uterine tumors] Savinova VF, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):67–9 (Eng. Abstr.) **(Rus)**

[Topometric preparation for interstitial gamma-therapy of patients with recurrences and metastases of uterine cancer to the vagina] Bal'ter SA, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):75–8 **(Rus)**

[Indications for lymphography in uterine cancer] Tlepshukov GK, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):28–31 (Eng. Abstr.) **(Rus)**

[Improvements in hysterography and hysterosalpingopelviography] Ashrafian LA, et al. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):43–7 (Eng. Abstr.) **(Rus)**

[Intraperitoneal visceral (uterine) phlebography in the diagnosis of tumors] Cherenkov VG, et al. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):48–51 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Choriocarcinoma: blocking factor and monoclonal antibody iodine 131 imaging. Pattillo RA, et al.

Am J Obstet Gynecol 1984 Apr 1;148(7):1040–8

Gamma scintigraphy using Tc-99m labeled antibody to human chorionic gonadotropin. Morrison RT, et al. **Clin Nucl Med** 1984 Jan;9(1):20–4

[Role of radiation methods in diagnosing the spread of the tumor process in uterine cancer patients] Baranov SB. **Akush Ginekol (Mosk)** 1984 Apr;(4):37–40 (Eng. Abstr.) (Rus)

[Radionuclide methods in planning treatment for uterine cancer] Kanaev SV, et al. **Med Radiol (Mosk)** 1983 Oct; 28(10):36–8 (Eng. Abstr.) (Rus)

RADIOTHERAPY

Radioactivity in blood and urine following intraperitoneal instillation of chromic phosphate in patients with and without ascites. Bakri YN, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):184–8

Stage I, grade III adenocarcinoma of the endometrium treated with surgery and irradiation. Sites of failure and correlation of failure rate with irradiation technique. Bedwinek J, et al. **Cancer** 1984 Jul 1;54(1):40–7

Radiosensitizing effect of medroxyprogesterone acetate on endometrial cancer cells in vitro. Huber H, et al. **Cancer** 1984 Sep 15;54(6):999–1001

Low-dose preoperative radiation therapy for adenocarcinoma of the endometrium. A pilot study. Wang CC, et al. **Cancer** 1984 Sep 15;54(6):1002–6

Preoperative radiation therapy in Stage I endometrial adenocarcinoma. II. Final report of a clinical trial. Weigensberg IJ. **Cancer** 1984 Jan 15;53(2):242–7

Pre-operative versus postoperative irradiation in stage I carcinoma of the endometrium. Jazy FK, et al. **Clin Oncol** 1983 Dec;9(4):281–8

Carcinoma of the endometrium [letter] Morgan DA. **Clin Oncol** 1984 Jun;10(2):187–9

Radiotherapeutic alternatives to standard management of adenocarcinoma of the endometrium. Andersen WA, et al. **Gynecol Oncol** 1983 Dec;16(3):383–92

Ultrasound used for assessing the in situ position of intrauterine tandems. Granai CO, et al. **Gynecol Oncol** 1984 Jul;18(3):334–8

Treatment of intraperitoneal metastatic adenocarcinoma of the endometrium by the whole-abdomen moving-strip technique and pelvic boost irradiation. Greer BE, et al. **Gynecol Oncol** 1983 Dec;16(3):365–73

Californium-252: isotope for modern radiotherapy of cervix, uterine and vaginal carcinomas. Maruyama Y, et al. **Strahlentherapie** 1984 Jun;160(6):373–81

[Experiences with second-look curettage following irradiated primary endometrial cancer. Consequences for tumor follow-up] Kucera H, et al. **Geburtshilfe Fraunheilkd** 1984 May;44(5):286–90 (Eng. Abstr.) (Ger)

[Fractionated short-time-afterloading with high dose rates in ambulant treatment of inoperable cancer of the uterine corpus] Kucera H, et al. **Geburtshilfe Fraunheilkd** 1983 Jul; 43(7):456–60 (Eng. Abstr.) (Ger)

[Resorption of 59Fe and 58Co-vitamin B12 by whole-body radiometry in the radiotherapy of uterine cancer] Kaplan MA, et al. **Radiobiol Radiother (Berl)** 1983;24(6):745–52 (Eng. Abstr.) (Ger)

[Calibration results of determining the dose reference points for afterloading therapy of uterine cancer using an applicator tube] Kloetzer KH, et al. **Radiobiol Radiother (Berl)** 1984;25(2):241–5 (Eng. Abstr.) (Ger)

[Standardization of reference points for gynecologic radiotherapy] Tode G, et al. **Radiobiol Radiother (Berl)** 1984;25(3):489–92 (Eng. Abstr.) (Ger)

[Restriction of indications and first results with the high-dose rate-afterloading technic (iridium-192)] Kucera H, et al. **Strahlentherapie** 1984 Aug;160(8):469–73 (Eng. Abstr.) (Ger)

[Standardization of reference points in gynecologic radiotherapy] Tode G, et al. **Zentralbl Gynakol** 1984; 106(9):620–3 (Eng. Abstr.) (Ger)

[Flow-cytometric analysis of change of OKT6+-lymphocytes in blood of cancer patients drug radiation therapy] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1983 Dec 20;18(8):2072–8 (Eng. Abstr.) (Jpn)

[New technics in brachytherapy of cancer of the uterus. II. Afterloading technic. Preliminary report] Rattka P, et al. **Nowotwory** 1983 Jan-Mar;33(1):63–6 (Eng. Abstr.) (Pol)

[Treatment possibilities in uterine cancer recurrences and metastases to the vagina] Shpikalov VL. **Akush Ginekol (Mosk)** 1984 Apr;(4):52–4 (Eng. Abstr.) (Rus)

[Dose distribution in combined radiotherapy of endometrial cancer using an 'Agat-B' apparatus] Khachaturian RE, et al. **Med Radiol (Mosk)** 1984 Jun;29(6):24–8 (Eng. Abstr.) (Rus)

[Devices for interstitial radiotherapy of recurrences and metastases of uterine cancer to the vagina] Shpikalov VL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):72–5 (Rus)

[Postoperative radiotherapy of endometrial cancer] Titova VA, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):19–26 (Eng. Abstr.) (Rus)

[The results of combined radiotherapy of cancer of the corpus uteri] Tsybulina LI, et al. **Med Radiol (Mosk)** 1984 Jun; 29(6):29–32 (Eng. Abstr.) (Rus)

[A cytological method in the evaluation of the efficacy of radiotherapy of uterine cancer] Fel'dman SZ, et al. **Vopr Onkol** 1983;29(11):101–4 (Rus)

[Experience with FIMAL (fixed manual afterloading) in aberrant positions of the uterus] Kazár A, et al. **Cesk Radiol** 1984 Mar;38(2):85–9 (Eng. Abstr.) (Slo)

[Fixed manual afterloading] Kazár A, et al. **Cesk Radiol** 1984 Feb;38(1):61–5 (Eng. Abstr.) (Slo)

SECONDARY

Metastases to the uterus from extrapelvic primary tumors. Kumar A, et al. **Int J Gynecol Pathol** 1983;2(2):134–40

Malignant melanoma metastatic to the endometrium. Bauer RD, et al. **Obstet Gynecol** 1984 Feb;63(2):264–8

[Breast cancer metastasizing to the uterus] Rasmussen KS, et al. **Ugeskr Laeger** 1983 Nov 7;145(45):3493–4 (Eng. Abstr.) (Dan)

[A case of uterine metastasis with origin in the breast] Rivel J, et al. **Arch Anat Cytol Pathol** 1984;32(1):45–7 (Eng. Abstr.) (Fre)

[Computer tomographic findings in metastasizing choriocarcinoma] Schild H, et al. **Computertomographie** 1983 Jun;3(2):57–9 (Eng. Abstr.) (Ger)

SECRETION

Characterization of human choriocarcinoma cell lines secreting high and low amounts of chorionic gonadotropin. Sekiya S, et al. **Int J Gynecol Pathol** 1983;2(2):121–33

SURGERY

Modifications of celiotomy techniques to decrease morbidity in obese gynecologic patients. Gallup DG. **Am J Obstet Gynecol** 1984 Sep 15;150(2):171–8

Use of the soft silicone obstetric vacuum cup to facilitate delivery and manipulation of large pelvic masses at operation. Pelosi MA, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):337–9

Postoperative spindle cell nodules of genitourinary tract resembling sarcomas. A report of eight cases. Proppe KH, et al. **Am J Surg Pathol** 1984 Feb;8(2):101–8

Intravenous leiomyomatosis. Heinonen PK, et al. **Ann Chir Gynaecol** 1984;73(2):100–3

Incidence of post-operative deep vein thrombosis in gynaecological oncology. Crandon AJ, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):216–9

Gestational trophoblastic neoplasia: surgical pathologic considerations with clinical emphasis. Driscoll SG. **Clin Obstet Gynecol** 1984 Mar;27(1):160–71

Methodology of molar pregnancy termination. Schlaerth JB. **Clin Obstet Gynecol** 1984 Mar;27(1):192–8

Clinical and metabolic effects of Gynodian-depot in vegetoneurotic disorders following removal of uterine myoma in menopausal patients. Vikhliaeva EM, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Nov;16(3):213–25

Residual carcinoma in the surgical specimen of patients with endometrial adenocarcinoma undergoing preoperative radiation therapy. A study of 80 patients and a literature review. Nahhas WA, et al. **Gynecol Oncol** 1984 Jun; 18(2):165–76

Stage II cancer of the endometrium: a pathologic and clinical study. Wallin TE, et al. **Gynecol Oncol** 1984 May;18(1):1–17

Management of leiomyoma. Meeks GR. **J Miss State Med Assoc** 1983 Aug;24(8):205–8

Hysteroscope for CO2 laser application. Tadir Y, et al. **Lasers Surg Med** 1984;4(2):153–6

Management of uterine fibroids at the University of Benin Teaching Hospital. Omu AE, et al. **Trop Doct** 1984 Apr; 14(2):82–5

The role of surgery in gestational trophoblastic disease. Bolis G, et al. **Tumori** 1983 Dec 31;69(6):553–7

[Surgical treatment of benign myoma of the uterus] **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):65–70 (Chi)

[Hysterectomy and conservation of the ovary in the treatment of myoma] Jiao SZ. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):71–4 (Eng. Abstr.) (Chi)

[The value of subtotal hysterectomy for benign myoma of the uterus] Wang SL. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):75–7 (Eng. Abstr.) (Chi)

[Myomectomy—analysis of 154 cases] Yu YH. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):78–82 (Eng. Abstr.) (Chi)

[Evaluation of ovarian preservation during hysterectomy for myoma] Zhang XY. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):83–7 (Eng. Abstr.) (Chi)

[Vaginal hysterectomy with bilateral adnexectomy] Hohlweg-Majert P, et al. **Fortschr Med** 1984 Feb 23; 102(8):183–5 (Eng. Abstr.) (Ger)

[Prevention of tumor implantation during surgery of cervical and endometrial carcinoma] Schneider ML. **Geburtshilfe Fraunheilkd** 1984 Jan;44(1):39–41 (Eng. Abstr.) (Ger)

[Effect of infection morbidity on 5-year healing in radically operated cervix uteri cancer. 1968–1978 results] Gerstner GJ. **Gynakol Rundsch** 1984;24(2):98–104 (Ger)

[Optimal operation mode for uterine cancer] Gitsch E, et al. **Gynakol Rundsch** 1983;23(4):250–69 (Ger)

[Endotracheal anesthesia with nitrous oxide combined with electroacupuncture in gynecological operations on patients with a high risk of thrombotic complications] Shatkina GV, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):66–70 (Eng. Abstr.) (Rus)

[Evacuation of a hydatidiform mole with ultrasonic guidance] Bulić M, et al. **Jugosl Ginekol Opstet** 1983 May-Aug; 23(3–4):85–8 (Eng. Abstr.) (Scr)

[Cancer of the uterus treated at the Maribor Hospital from 1961 to 1978] Gorišek B. **Jugosl Ginekol Opstet** 1983 Sep-Dec;23(5–6):116–8 (Eng. Abstr.) (Scr)

[Pelvic exenteration. Personal experience] Sans Segarra M, et al. **Rev Esp Enferm Apar Dig** 1984 Jun;65(6):521–5 (Eng. Abstr.) (Spa)

THERAPY

Sixteen years experience in treatment and follow-up of patients with trophoblastic diseases. Mochizuki M, et al. **Asia Oceania J Obstet Gynaecol** 1984 Mar;10(1):15–24

Chemotherapy and conservative surgery in a case of late choriocarcinoma with pelvic arterio-venous fistula and fertility preservation. Feng YZ. **Chin Med J [Engl]** 1983 Jul;96(7):553–5

[Treatment of endometrial carcinoma. Selected reports presented at the Gynecological Section Conference of the Czechoslovak Society of Oncology in Prague on 17 December 1980] **Cesk Gynekol** 1984 Feb;49(1):49–77 (Cze, Slo)

[Choriocarcinoma in the Netherlands] ten Kate-Booij MJ, et al. **Ned Tijdschr Geneeskd** 1984 Jan 14;128(2):56–61 (Eng. Abstr.) (Dut)

[Hormone dependence of cancers of the breast and endometrium. Reflections. Attempt at synthesis. Proposing a therapeutic plan] Barrat J. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):173–88 (Eng. Abstr.) (Fre)

[Urinary enzyme excretion in cytostatic and radiotherapy of gynecologic neoplasms] Dreller E, et al. **Radiobiol Radiother (Berl)** 1983;24(3):345–52 (Eng. Abstr.) (Ger)

[Review on diagnosis and treatment in cancer of the uterus] Masubuchi K. **Gan No Rinsho** 1983 Aug;29(10):1041–8 (Eng. Abstr.) (Jpn)

[Clinical effects of human fibroblast interferon in advanced gynecological cancers] Kanazawa K, et al. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1276–83 (Eng. Abstr.) (Jpn)

[Management of trophoblastic disease: analysis of 100 observed cases] Skalba P, et al. **Ginekol Pol** 1984 Jan; 55(1):47–53 (Eng. Abstr.) (Pol)

[Remote metastases in patients treated for stage I cancer of the uterus] Tarłowska L, et al. **Pol Tyg Lek** 1983 May 30-Jun 6;38(22–23):689–93 (Eng. Abstr.) (Pol)

[Cancer of the endometrium. Therapeutic aspects in clinical stages I and II] Rodrigues de Lima G. **Rev Paul Med** 1983 Mar-Apr;101(2):77–80 (Por)

[Effect of vibration massage on the immunologic reactivity of gynecologic patients] Mikhallov VD, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):58–61 (5 ref.) (Eng. Abstr.) (Rus)

[Use of radon waters in treating endometriosis patients] Baskakov VP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May-Jun; (3):38–40 (Rus)

ULTRASTRUCTURE

Mechanisms of growth in hydatidiform moles. Sarto GE, et al. **Am J Obstet Gynecol** 1984 Apr 1;148(7):1014–23

The cytodynamics of endometrial hyperplasia and carcinoma. A review. Ferenczy A, et al. **Ann Pathol** 1983 Sep; 3(3):189–201 (44 ref.)

Effect of cytochalasin B on growth, Multinucleation and human chorionic gonadotropin secretion in a human choriocarcinoma cell line. Sekiya S, et al. **Eur J Cancer Clin Oncol** 1984 Apr;20(4):525–33

Endocrine dependency of endometriosis: an ultrastructural study. Schweppe KW, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 May; 17(2–3):193–208

An ultrastructural comparison of grade I and II endometrial adenocarcinoma considering estrogen and progesterone receptor status. Horbelt DV, et al. **Gynecol Oncol** 1984 Jun;18(2):150–6

Ultrastructural study of minute uterine leiomyomas. Konishi I, et al. **Int J Gynecol Pathol** 1983;2(2):113–20

Ultrastructure of papillary serous carcinoma of the endometrium. Sato N, et al. **Int J Gynecol Pathol** 1984; 2(4):337–48

Syncytioskeletons in choriocarcinoma in culture. Ockleford CD, et al. **J Cell Sci** 1984 Mar;66:1–20

Microgibbosities in hydatidiform mole. Ockleford CD, et al. **J Pathol** 1983 Oct;141(2):181–9

[Surface changes in endometrial cancer under the effect of large doses of progestogen (Depo-Provera)] Szarvas Z, et al. **Morphol Igazsagugyi Orv Sz** 1984 Apr;24(2):52–9 (Eng. Abstr.) (Hun)

[Submicroscopic characteristics of argyrophilic-cell adenocarcinoma of the endometrium] Lomakina II, et al. **Arkh Patol** 1984;46(7):66–71 (Eng. Abstr.) (Rus)

URINE

[Analysis of the high risk factors of endometrial adenocarcinoma—abnormal excretion in urinary steroids in androgen sterilized rats] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul;

36(7):995–1000 (Eng. Abstr.) (Jpn)
[Detection of hCG production in trophoblastic diseases by HCG beta carboxyl-terminal peptide] Shimizu T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Oct; 35(10):1759–66 (Eng. Abstr.) (Jpn)

VETERINARY

Surgical removal of intramural masses of the uterus in two cows. Lane VM, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):222
What is your diagnosis? Diffuse abdominal mass. Ruderman I, et al. **J Am Vet Med Assoc** 1984 Jan 1;184(1):103–4
Endometriosis in rhesus monkeys. Lindberg BS, et al. **Ups J Med Sci** 1984;89(2):129–34
Spontaneous uterine tumors in three cats. Papparella S, et al. **Vet Pathol** 1984 Mar;21(2):257–8
Uterine haemangioma in a cat. Fukui K, et al. **Vet Rec** 1983 Oct 15;113(16):375
[Case of a leiomyoma in the uterus and cervix of a sheep] Marinov P, et al. **Vet Med Nauki** 1983;20(5–6):29–33 (Eng. Abstr.) (Bul)

UTERINE PERFORATION see under **UTERINE RUPTURE**

UTERINE PROLAPSE

[Puerperal inversion of the uterus] Meinert J. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):260–2 (Eng. Abstr.) (Ger)

COMPLICATIONS

Uterine prolapse and urinary tract obstruction [letter] **Br Med J [Clin Res]** 1984 Jul 28;289(6439):250–1
Uterine prolapse and urinary tract obstruction. Young JB, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):41–2
[Uterine inversion associated with placenta adherens et accreta partim percreta] Suk K, et al. **Cesk Gynekol** 1984 Mar;49(2):111–2 (Cze)
[Uterine prolapse causing hydronephrosis and renal insufficiency] Huttunen K, et al. **Duodecim** 1984; 100(7):430–3 (Fin)

CONGENITAL

Uterine prolapse in the neonate. Johnson A, et al. **J Pediatr Surg** 1984 Apr;19(2):210–1

DIAGNOSIS

Chronic inversion of the uterus [letter] Markus JG. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):124–5
[Inversion of the uterus during the puerperium] Urnes A, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):871–2 (Eng. Abstr.) (Nor)

ETIOLOGY

Carcinoma of the vagina presenting as a ruptured procidentia with an entero–vaginal fistula and prolapse of the small bowel. Howat JM, et al. **Postgrad Med J** 1984 Jun; 60(704):435–6

SURGERY

Operative management of vaginal vault prolapse following hysterectomy. Grundsell H, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):808–11
A vaginal approach to the treatment of genital prolapse. Koppe A, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):359–64
Operative treatment of genital prolapse in young women. Chaudhuri SK. **J Indian Med Assoc** 1983 Jun; 80(11–12):167–72
Uterine ligaments and the treatment of prolapse. Dickins A. **J R Soc Med** 1984 May;77(5):353–6
Posthysterectomy vault prolapse: sacral colpopexy with dura mater graft. Lansman HH. **Obstet Gynecol** 1984 Apr; 63(4):577–82
[Electrotherapy of incontinence in various urinary disorders following corrective surgery] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1984;23(3):252–5 (Eng. Abstr.) (Bul)
[Surgical treatment of vaginal prolapse and urinary incontinence in women] Dürveniashki Kh. **Akush Ginekol (Sofiia)** 1984;23(1):74–6 (Eng. Abstr.) (Bul)
[Promontofixation or suspension with a transverse strip? Comparative study of these 2 technics in the treatment of genital prolapse] Hoff J, et al. **Ann Chir** 1984 Jun; 38(5):363–7 (Eng. Abstr.) (Fre)
[Surgery of genital prolapse using the abdominal approach. Experience of the surgery and gynecology department at the Salpêtrière Hospital] Lefranc JP, et al. **J Chir (Paris)** 1983 Aug–Sep;120(8–9):431–6 (Eng. Abstr.) (Fre)
[The Williams–Richardson vaginopexy as a surgical therapy in vaginal inversion in vaginal stump prolapse] Dickgiesser U, et al. **Geburtshilfe Frauenheilkd** 1983 Oct;43(10):620–4 (Eng. Abstr.) (Ger)
[Anesthesia for acute inversion of the uterus] Matsuzaki Y, et al. **Masui** 1983 Jul;32(7):883–7 (Eng. Abstr.) (Jpn)
[Fixation of the stump of the cervix uteri using the round ligament] Sidorenko IuS, et al. **Akush Ginekol (Mosk)** 1984 May;(5):65–6 (Rus)

VETERINARY

Replacement of prolapsed uterus in a sow [letter] Edwards BL. **Vet Rec** 1984 Jan 28;114(4):102

UTERINE RUPTURE

Changes in the mechanical forces of cervical distention before and after rupture of the membranes. Manabe Y, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):667–71

CHEMICALLY INDUCED

Spontaneous rupture of gravid uterus in a patient with diethylstilbestrol–type genital changes. Williamson HO, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):158–60
Uterine rupture with the use of vaginal prostaglandin E2 suppositories [letter] Keller F, et al. **Anesth Analg** 1983 Nov;62(11):1046
Uterine rupture associated with the use of vaginal prostaglandin E2 suppositories. Keller F, et al. **Can Anaesth Soc J** 1984 Jan;31(1):80–2
Uterine hyperstimulation and rupture after induction of labour with prostaglandin E2. Case reports. Larsen JV, et al. **S Afr Med J** 1984 Apr 14;65(15):615–6

COMPLICATIONS

[Recurrent uterine rupture with development of a lithopedion] Kobuch W. **Geburtshilfe Frauenheilkd** 1984 May;44(5):333–4 (Eng. Abstr.) (Ger)

DIAGNOSIS

Spontaneous rupture of a uterus at 16 weeks' gestation. Blumenthal NJ, et al. **Aust NZ J Obstet Gynaecol** 1983 Nov;23(4):248–9
Sonographic diagnosis of uterine perforation following suction curettage. Cunat JS, et al. **JCU** 1984 Feb; 12(2):108–9
[Apropos of a case for deductions and conclusions in gynecologic practice] Durveniashki Kh. **Akush Ginekol (Sofiia)** 1984;23(3):270–1 (Bul)

ETIOLOGY

Uterine rupture as a complication of second–trimester abortion when using prostaglandin F2 alpha together with other oxytocic agents. Malmström H, et al. **Acta Obstet Gynecol Scand** 1984;63(3):271–2
Omentum presenting at the vulva after a normal labor and delivery. An unusual late complication of induced abortion. Marsden DE. **Acta Obstet Gynecol Scand** 1984;63(3):277–8
Intrauterine incarcerated bowel following uterine perforation during an abortion: a case report. Dunner PS, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):969–70
Early spontaneous rupture of the gravid uterus. Iddenden DA, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):971–2
Ehlers–Danlos syndrome and pregnancy: a case of uterine rupture. Nakamura Y, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):303–7
Asymptomatic rupture of the uterus: a case report. Alper MM, et al. **Can Med Assoc J** 1984 Jan 15;130(2):153–5
IUD appendicitis. Goldman JA, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Jul;15(3):181–3
Uterine perforation by copper intrauterine device. Heinonen PK, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jun; 17(4):257–61
Intrauterine small bowel entrapment and obstruction complicating suction abortion. McArdle CR, et al. **Gastrointest Radiol** 1984;9(3):239–40
Prevention of uterine perforation during curettage abortion. Grimes DA, et al. **JAMA** 1984 Apr 27;251(16):2108–11
Uterine rupture following tubal reimplantation. Review of the literature and report of three additional cases. Shortle B, et al. **Obstet Gynecol Surv** 1984 Jul;39(7):407–15
Perforation of the bladder by the intrauterine device. Zakin D. **Obstet Gynecol Surv** 1984 Feb;39(2):59–66 (12 ref.)
A hole in a primigravid uterus—an unusual finding at elective caesarean section. Olobo–Lalobo JH. **Postgrad Med J** 1984 Aug;60(706):559–60
Idiopathic uterine rupture in the mid–trimester of pregnancy. A case report. Duflou JA, et al. **S Afr Med J** 1984 Feb 11;65(6):221–2
An unusual case of uterine rupture. A case report. Nel JT. **S Afr Med J** 1984 Jan 14;65(2):60–1
Rupture of the uterus in a primigravida. A case report. Wiswedel K. **S Afr Med J** 1984 Feb 4;65(5):182
Uterine rupture in labour. A 10–year review. Chew SY. **Singapore Med J** 1984 Feb;25(1):24–9
[Uterine perforation in contraception with an IUD] Ditlevsen S, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):4002 (Eng. Abstr.) (Dan)
[Uterine rupture. Factors favoring their incidence and preventive measures] Alihonou E, et al. **Dakar Med** 1983; 28(3):552–9 (Fre)
[Spontaneous rupture of a deciduoma with intra–abdominal hemorrhage] Noack EJ, et al. **Geburtshilfe Frauenheilkd** 1984 Apr;44(4):263–4 (Eng. Abstr.) (Ger)
[Complication of erroneous application of an IUD. Rapid hysterographic resolution of diagnostic problems] Arrotta U, et al. **Minerva Ginecol** 1983 Sep;35(9):601–3 (Eng. Abstr.) (Ita)
[Uterine wall perforation as a complication of the intrauterine Spiran contraceptive device] Wańkowicz Z, et al. **Probl Med Wieku Rozwoj** 1983;12:203–7 (Eng. Abstr.) (Pol)
[Rupture of the uterus is a labor complication in developing countries] Lindell P. **Lakartidningen** 1983 Jul 27; 80(30–31):2816–7 (Swe)

OCCURRENCE

Previous cesarean section and trial of labor. Factors related to uterine dehiscence. Tahilramaney MP, et al. **J Reprod Med** 1984 Jan;29(1):17–21
[Pathology and clinical aspects of uterine rupture at the Hamburg–Eppendorf University Gynecological Clinic 1968–1982] Koll R. **Geburtshilfe Frauenheilkd** 1984 Apr; 44(4):256–9 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

[Prevention of combined rupture of the cervix uteri and uterine body during labor] Mirov IM. **Akush Ginekol (Mosk)** 1984 Jul;(7):47–9 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Radiographic findings in cervix uteri after prostaglandin abortion induction. Kajanoja P, et al. **Acta Obstet Gynecol Scand** 1983;62(3):253–6

SURGERY

Continuation of pregnancy and vaginal delivery following incomplete uterine tear during pregnancy. Case report. Fakhoury GW, et al. **Br J Obstet Gynaecol** 1984 Mar; 91(3):299–300
Hysterectomy as treatment for complications of legal abortion. Grimes DA, et al. **Obstet Gynecol** 1984 Apr; 63(4):457–62
[Urgent (emergency) suture of the cervix for hemorrhage after childbirth] Balák K, et al. **Cesk Gynekol** 1984 May; 49(4):263–6 (Cze)

VETERINARY

Unusual phenomena during pregnancy in the cat and cow. King GJ, et al. **Can J Comp Med** 1983 Jul;47(3):379–81

UTEROGLOBIN see under **GLYCOPROTEINS**

UTERUS

see related
HYSTERECTOMY
HYSTEROSALPINGOGRAPHY

Uteroscopy during labor. Petrikovsky B. **Acta Obstet Gynecol Scand** 1984;63(3):269–70
A new uterine manipulator for use at laparoscopy. Scott JW. **Am J Obstet Gynecol** 1983 Oct 15;147(4):458–9
Oral nalbuphine in postpartum pain. Kantor TG, et al. **Clin Pharmacol Ther** 1984 Jan;35(1):46–9
Small bowel obstruction and perforation through a defect in the broad ligament. Armstrong CP, et al. **J R Coll Surg Edinb** 1983 Sep;28(5):333–4
Hysteroscopy in gynaecological practice: a review. Lewis BV. **J R Soc Med** 1984 Mar;77(3):235–7
Vaginal delivery after cesarean section in women with unknown types of uterine scar. Beall M, et al. **J Reprod Med** 1984 Jan;29(1):31–5
[Use of cellulosum carboxymethylum sodium as an expansion solution for hysteroscopy] Cong YZ. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Jul;18(3):177–9 (Eng. Abstr.) (Chi)
[Catheter for uterotubal instillation (Kanyla U–T–I). (Author's patent certification number 220611/83)] Uher J. **Cesk Gynekol** 1983 Sep;48(8):586–90 (Cze)
[Role of hysteroscopy in diagnosis and management of trophoblastic disease] Suzuki A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Feb;36(2):255–60 (Eng. Abstr.) (Jpn)
[Heterotopic tissue in the uterus] Hański W, et al. **Patol Pol** 1983 Apr–Jun;34(2):195–203 (Eng. Abstr.) (Pol)
[Hysteroscopy in uterine trophoblastic tumors] Savinova VF, et al. **Akush Ginekol (Mosk)** 1984 Apr;(4):45 (Eng. Abstr.) (Rus)
[The Hy–VS–1 hysteroscope with fiber light guide] Karateeva AN, et al. **Med Tekh** 1984 May–Jun;(3):45–6 (Rus)

ABNORMALITIES

Habitual abortion and uterine malformations. Audebert AJ, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):273–8
Endometrial patterns in malformed uteri. Candiani GB, et al. **Acta Eur Fertil** 1983 Sep–Oct;14(5):311–8
Upper reproductive tract radiographic findings in DES–exposed female offspring. Nunley WC Jr, et al. **AJR** 1984 Feb;142(2):337–9
Hysteroscopic incision of the septate uterus. Israel R, et al. **Am J Obstet Gynecol** 1984 May 1;149(1):66–73
Ultrasound evaluation of female genital tract anomalies: a review of 64 cases. Valdes C, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):285–92
The concurrence of facioauriculovertebral spectrum and the

Rokitansky syndrome. Winer-Muram HT, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):569–70

True uterine diverticulum. A partial müllerian duct duplication? Engel G, et al. **Arch Pathol Lab Med** 1984 Sep;108(9):734–6

Angular and interstitial pregnancies should not be called 'cornual' [letter] Jansen R, et al. **Aust NZ J Obstet Gynaecol** 1983 May;23(2):123–4

Uterine anomalies and future pregnancies. Ansbacher R. **Clin Perinatol** 1983 Jun;10(2):295–304 (33 ref.)

The double uterus associated with an obstructed hemivagina and ipsilateral renal agenesis. Beekhuis JR, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):47–52

Uterus didelphys. Ultrasound diagnosis in the case of an adnexal mass as a presenting symptom in early pregnancy. Hochner-Celnikier D, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jan;16(5):339–42

Communicating uteri: review and classification with introduction of two previously unreported types. Toaff ME, et al. **Fertil Steril** 1984 May;41(5):661–79

Congenital uterine malformations as indication for cervical suture (cerclage) in habitual abortion and premature delivery. Abramovici H, et al. **Int J Fertil** 1983;28(3):161–4

Double pregnancy in a uterus duplex unicollis. Agarwal AB, et al. **J Indian Med Assoc** 1983 Oct;81(7–8):135–7

Pregnancy in rudimentary horn. Pal SK, et al. **J Indian Med Assoc** 1983 Sep;81(5–6):96

Fertility after metroplasty of the septate uterus. Gray SE, et al. **J Reprod Med** 1984 Mar;29(3):185–8

Case of the month: Bicornuate uterus with presumed fibroids bilaterally. Munitz HA. **J Ultrasound Med** 1983 Dec; 2(12):R134, R138

Genetics studies in incomplete müllerian fusion. Elias S, et al. **Obstet Gynecol** 1984 Mar;63(3):276–9

Etiology of recurrent pregnancy losses and outcome of subsequent pregnancies. Harger JH, et al. **Obstet Gynecol** 1983 Nov;62(5):574–81

Septate uterus: sonographic diagnosis and obstetric complications. Worthen NJ, et al. **Obstet Gynecol** 1984 Sep; 64(3 Suppl):34S–38S

[Invasive retroperitoneal tumor during a pregnancy in a rudimentary uterine horn] Fabík A. **Cesk Gynekol** 1983 Jul;48(6):445–6 **(Cze)**

[Case report of a completed pregnancy in a rudimentary uterine horn] Fabík A. **Cesk Gynekol** 1983 Jul;48(6):443–5 **(Cze)**

[Uterus didelphys with unilateral hematocolpos, hematometra, hematosalpinx, ipsilateral renal agenesis and contralateral hydroureter and hydronephrosis] Gasser F, et al. **Ugeskr Laeger** 1983 Oct 17;145(42):3263–4 (Eng. Abstr.) **(Dan)**

[Inguinal hernia containing a didelphic uterus] Gasser G, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1138–9 (Eng. Abstr.) **(Dan)**

[Kaufmann syndrome or VACTERL association? Discussion of a differential diagnosis] Dodinval P, et al. **J Genet Hum** 1984 Jun;32(2):129–36 (Eng. Abstr.) **(Fre)**

[Infertility caused by uterus bipartitus. Value of the Bret-Palmer operation] Brouquet J, et al. **Presse Med** 1984 Feb 25;13(8):499–500 (Eng. Abstr.) **(Fre)**

[Abnormalities of the male genitals. 2: Hernia uteri inguinalis syndrome—oviduct persistence] Schieferstein G, et al. **Med Welt** 1983 Nov 4;34(44):1251–3 **(Ger)**

[Hysterography and hysterosalpingography] Fochem K. **Rontgenpraxis** 1983 Dec;36(12):413–20 **(Ger)**

[Inheritance of uterus abnormalities. Monozygotic twins with uterus abnormality] Ghirardini G, et al. **Zentralbl Gynakol** 1983;105(24):1597–9 (Eng. Abstr.) **(Ger)**

[Hematometra formation in the rudimentary unilateral bicornate uterus] Mühlnickel D, et al. **Zentralbl Gynakol** 1984;106(5):345–9 (Eng. Abstr.) **(Ger)**

[Hysterosalpingographic study in uterine malformations. Analysis of 345 cases] Verrengia D, et al. **Arch Sci Med (Torino)** 1983 Oct-Dec;140(4):445–52 (Eng. Abstr.) **(Ita)**

[Importance of echography in examining patients with developmental defects of the uterus and vagina] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):64–7 (Eng. Abstr.) **(Rus)**

[Mayer-Rokitansky-Küster-Hausser syndrome and associated malformations] Muñoz M, et al. **Ginecol Obstet Mex** 1982 Oct;50(306):283–7 (Eng. Abstr.) **(Spa)**

[Rokitansky-Kuster-Hauser syndrome] Sims MI, et al. **Rev Chil Pediatr** 1983 Sep-Oct;54(5):349–52 (Eng. Abstr.) **(Spa)**

ANALYSIS

Comparison of various analytical methods for the estimation of hormone receptor parameters in reproductive tissues. Rojas FJ, et al. **Acta Cient Venez** 1981;32(4):330–7

Type I estrogen receptors cannot be histochemically localized in frozen tissue sections using estradiol-albumin-FITC conjugates. Binder M, et al. **Acta Histochem [Suppl] (Jena)** 1984;29:71–7

Uterus of the rat contains prolactin inhibitory activity. Gorospe WC, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):E251–7

Genital tract proteins in the male rabbit: I. Localization of uteroglobin. Müller B. **Andrologia** 1983 Jul-Aug; 15(4):380–4

Uterine and placental prostaglandins and their modulation of oxytocin sensitivity and contractility in the parturient uterus. Chan WY. **Biol Reprod** 1983 Oct;29(3):680–8

Analysis of human uterine luminal fluid proteins following radiolabeling by reductive methylation: comparison of proliferative and secretory phase samples. MacLaughlin DT, et al. **Biol Reprod** 1983 Oct;29(3):733–42

Follicular and uterine prostaglandin levels in relation to uterine contraction and the first ovulation of a sequence in the hen. Shimada K, et al. **Biol Reprod** 1984 Aug; 31(1):76–82

Immunofluorescent localization of cGMP, cGMP-dependent protein kinase, calmodulin and cAMP in the rat uterus. Effects of estrogen treatment. Flandroy L, et al. **Cell Tissue Res** 1983;233(3):639–46

Immunocytochemical localization of estrogen receptors in the macaque reproductive tract with monoclonal antiestrophilins. McClellan MC, et al. **Endocrinology** 1984 Jun;114(6):2002–14

Colloidal iron hydroxide staining of surface carbohydrates after glycerol treatment of uterine epithelial cells. Murphy CR, al. **Histochemistry** 1984;80(1):45–8

The site of renin in the human uterus. Johnson J, et al. **Histopathology** 1984 Mar;8(2):273–8

Effects of temperature, storage and sodium molybdate on the analysis of estrogen and progesterone receptors in rabbit uterine tissue and gynecologic tumor. Leung BS. **Horm Res** 1984;19(4):243–52

Effects of hysterectomy and in-vivo treatment with uterine extracts on plasma concentrations of growth hormone, thyrotrophin and thyroid hormones in rats: a kinetic study. Bíró J, et al. **J Endocrinol** 1984 Jun;101(3):243–8

Estrogen and progesterone receptors in human uterus and oviduct. Lukola A, et al. **J Endocrinol Invest** 1983 Jun; 6(3):179–83

The resistance of the mouse uterine lumen to flushing and possible contamination of samples by plasma and interstitial fluid. Milligan SR, et al. **J Reprod Fertil** 1984 May; 71(1):81–7

Effects of hysterectomy and uterine extracts on the endocrine system of adult, nonpregnant rats. Bíró J, et al. **J Steroid Biochem** 1984 Jan;20(1):343–5

Measurement of endogenous subcellular concentration of steroids in tissue. van Landeghem AA, et al. **J Steroid Biochem** 1984 Feb;20(2):639–44

Localization of estrogen receptor regulatory factor in the uterine nucleus. MacDonald RG, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):301–13

Quality control program for estradiol receptor determination: the Italian experience. Piffanelli A, et al. **Recent Results Cancer Res** 1984;91:104–9

Quality control of clinical steroid receptor assays in Sweden. Sällström JF, et al. **Recent Results Cancer Res** 1984; 91:119–21

[Proteins in blastocyst tissue, uterine flushing and endometrium of early pregnancy and its relation to implantation] Cao YQ. **Sheng Li Ko Hsueh Chin Chan** 1983 Oct;14(4):297–301 **(Chi)**

[Oestrogens in the cell: differences between uterine and mammary tissue] Thijssen JH, et al. **Geburtshilfe Frauenheilkd** 1983 Jun;43 Suppl 1:36–41 (Eng. Abstr.) **(Ger)**

[Obtaining proteins of high binding affinity for the estrogen receptor test using lamb uterine powder extracted with solvents] Schlatterer B, et al. **Zentralbl Veterinarmed** [A] 1983 Oct;30(8):601–6 (Eng. Abstr.) **(Ger)**

[Fundamental and clinical studies on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Hirabayashi K, et al. **Jpn J Antibiot** 1983 May;36(5):1041–53 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Matsuyama A, et al. **Jpn J Antibiot** 1983 May;36(5):963–7 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Nakamura H, et al. **Jpn J Antibiot** 1983 May;36(5):956–62 (Eng. Abstr.) **(Jpn)**

[Fundamental study on T-1982 (cefbuperazone) in obstetrics and gynecology] Taguchi K, et al. **Jpn J Antibiot** 1983 May;36(5):919–24 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on T-1982 (cefbuperazone) in the field of obstetrics and gynecology] Yatsugi K, et al. **Jpn J Antibiot** 1983 May;36(5):932–8 (Eng. Abstr.) **(Jpn)**

[The marginal utility of affinity chromatography using immobilized estradiol in the purification of human uterine estrogen receptor] Kobayashi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Feb 20;60(2):110–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Imaging the pregnant human uterus with nuclear magnetic resonance. Johnson IR, et al. **Am J Obstet Gynecol** 1984 Apr 15;148(8):1136–9

The postovulatory cat oviduct and uterus: correlation of morphological features with progesterone receptor levels. Verhage HG, et al. **Anat Rec** 1984 Apr;208(4):521–31

Restriction of uterine space reduces litter size in feral Ossabaw swine. Hagen DR, et al. **Biol Reprod** 1984 Mar; 30(2):423–6

In-vivo accuracy of ultrasound measurements of intrauterine volume in pregnancy. Geirsson RT, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):37–40

Quantitative uterine histology during the menstrual cycle in relation to measured menstrual blood loss. Rees MC, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):662–6

In vivo measurements of uterine cavities in 795 women of fertile age. Kurz KH, et al. **Contraception** 1984 Jun; 29(6):495–510

Uterotubal junction--morphology and clinical aspects. Merchant RN, et al. **Int J Fertil** 1983;28(4):199–205

Uterine ligaments and the treatment of prolapse. Dickins A. **J R Soc Med** 1984 May;77(5):353–6

Pelvic organs in premenarcheal girls: real-time ultrasonography. Orsini LF, et al. **Radiology** 1984 Oct; 153(1):113–6

[Uterine measurements in the fitting of intrauterine devices] Theron F, et al. **S Afr Med J** 1984 Jun 30;65(26):1054–6 (Eng. Abstr.) **(Afr)**

[Personal experience with gravidometry] Heloňa J, et al. **Cesk Gynekol** 1983 Jul;48(6):411–6 (Eng. Abstr.) **(Cze)**

[Uterine height as a method of predicting fetal growth] Fescina RH, et al. **Bol Of Sanit Panam** 1984 May; 96(5):377–86 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Electron microscopic and histochemical characterization of intra-arterial cushions of the rat and porcine uterine vascular bed. Heidger PM Jr, et al. **Acta Anat (Basel)** 1983; 117(3):239–47

Uterine tube microvascular architecture after oophorectomy in the rabbit. Verco CJ, et al. **Acta Anat (Basel)** 1983; 117(3):193–200

Labetalol for the treatment of hypertension in pregnancy. Pharmacokinetics and effects on the uteroplacental blood flow. Nylund L, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;118:71–3

Uterine infarction with endotoxic shock: a case report. Johnson KF. **Am J Obstet Gynecol** 1984 May 15; 149(2):227–8

Endogenous opioid peptides in intrapartum uterine blood. Kimball CD, et al. **Am J Obstet Gynecol** 1984 May 1; 149(1):79–82

Progesterone and estradiol receptors in the cytosol of the human uterine artery. Lantta M, et al. **Am J Obstet Gynecol** 1983 Nov 15;147(6):627–33

Uterine vascular effects of estetrol in nonpregnant ewes. Levine MG, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):735–8

Distribution of adrenergic receptors does not explain regional differences in blood flow in the pregnant rabbit uterus. Lewis V, et al. **Am J Obstet Gynecol** 1984 Aug 15; 149(8):860–4

The effect of a leukotriene receptor antagonist, FPL 55712, on estrogen-induced uterine hyperemia in the nonpregnant rabbit. Parisi VM, et al. **Am J Obstet Gynecol** 1984 Feb 15;148(4):365–9

Electrocardiographic responses of rat fetuses with clamped or intact umbilical cords to acute maternal uterine ischemia. Robinson KS, et al. **Am J Obstet Gynecol** 1983 Dec 1; 147(7):795–8

The effect of myometrial contractures on uterine blood flow in the pregnant sheep at 114 to 140 days' gestation measured by the 4-aminoantipyrine equilibrium diffusion technique. Sunderji SG, et al. **Am J Obstet Gynecol** 1984 Jun 15; 149(4):408–12

Uterine blood flow: periodic fluctuations of its rate during pregnancy. Caton D, et al. **Am J Physiol** 1983 Dec; 245(6):R850–2

Effect of exercise on uterine blood flow in the pregnant Pygmy goat. Hohimer AR, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):H207–12

Uterine blood flow in relation to endogenous hormones during estrous cycle and early pregnancy. Roman-Ponce H, et al. **Am J Physiol** 1983 Dec;245(6):R843–9

Mesometrial smooth muscle in the mouse: its control of uterine blood flows. Liebgott B. **Anat Rec** 1984 Mar; 208(3):365–74

Uterine and systemic vascular responses to dopamine in pregnant ewes. Grünberger W, et al. **Arch Gynecol** 1983; 233(4):259–62

Uterine phlebography in patients with chronic pelvic pain of unknown origin. Punnonen R, et al. **Asia Oceania J Obstet Gynaecol** 1983 Sep;9(3):289–93

Uteroplacental vascular perfusion and blood flow during pregnancy in the guinea pig. Garris DR. **Biol Neonate** 1984; 45(1):33–40

The effects of myometrial activity on fetal thoracic dimensions and uterine blood flow during late gestation in the sheep. Harding R, et al. **Biol Neonate** 1984; 45(5):244–51

Regulation of estrogen-induced uterine hyperemia and contractility in the guinea pig: cholinergic modulation of an alpha-adrenergic response. Garris DR, et al. **Biol Reprod** 1984 May;30(4):863–8

Intra-abdominal hemorrhage from ruptured uterine veins during pregnancy. Report of 3 cases. Liu MM, et al. **Chin Med J [Engl]** 1983 Apr;96(4):312–4

Endocrine modulation of uterine blood flow in pregnancy. Resnik R. **Clin Perinatol** 1983 Oct;10(3):567–73 (29 ref.)

Uterine blood flow, pH, and pCO2 during nidation in the guinea pig: ovarian regulation. Garris DR.

Endocrinology 1984 Apr;114(4):1219–24
Decidual tissue growth and regression in the guinea pig: regulation by uterine blood flow and relation to circulating progesterone concentrations. Garris DR. **Endocrinology** 1984 May;114(5):1599–604
Blood flow changes and conceptal development in pregnant rats in response to caffeine. Kimmel CA, et al. **Fundam Appl Toxicol** 1984 Apr;4(2 Pt 1):240–7
Acute effect of dihydralazine on uteroplacental blood flow in hypertension during pregnancy. Lunell NO, et al. **Gynecol Obstet Invest** 1983;16(5):274–82
The vascular anatomy of the ovary and the relative contribution of the ovarian and uterine arteries to the blood supply of the ovary in the guinea-pig. Hossain MI, et al. **J Anat** 1983 Oct;137 (Pt 3):457–66
Scanning electron microscopy study on corrosion cast of rat uterine vasculature during the first half of pregnancy. Takemori K, et al. **J Anat** 1984 Jan;138 (Pt 1):163–73
Lack of peripheral sympathetic control of uterine blood flow during acute heat stress. Brown DE, et al. **J Anim Sci** 1984 Jul;59(1):182–8
Role of adrenergic receptors in mediating estradiol-17 beta-stimulated increases in uterine blood flow of cows. Ford SP, et al. **J Anim Sci** 1983 Sep;57(3):665–72
Uterine blood flow during early pregnancy in ewes: interaction between the conceptus and the ovary bearing the corpus luteum. Reynolds LP, et al. **J Anim Sci** 1984 Feb;58(2):423–9
Exercise responses in pregnant sheep: oxygen consumption, uterine blood flow, and blood volume. Lotgering FK, et al. **J Appl Physiol** 1983 Sep;55(3):834–41
Changes in the concentration of thyroxine in the plasma of rat fetuses during late gestation: influence of ligation of the maternal uterine vein and artery. Wrutniak C, et al. **J Endocrinol** 1983 Nov;99(2):233–8
The microvascular cast as a three-dimensional tissue skeleton: visualization of rapid morphological changes in tissues of the rat uterus. Rogers PA, et al. **J Microsc** 1983 Aug;131 (Pt 2):241–7
Surgical separation of the uterus and ovaries with simultaneous cannulation of the uterine vein extends luteal function in sheep. Abdel Rahim SE, et al. **J Reprod Fertil** 1984 Sep;72(1):231–5
Simultaneous determinations of uterine blood flow and plasma concentrations of placental lactogen in late-pregnant goats. Hayden TJ, et al. **J Reprod Fertil** 1983 Nov;69(2):503–10
Uteroplacental arterial changes related to interstitial trophoblast migration in early human pregnancy. Pijnenborg R, et al. **Placenta** 1983 Oct–Dec;4(4):397–413
Effect of histamine receptor agonists and antagonists on the uterine vasculature. Clark KE, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):476–82
Uterine arterial responses to arachidonate in pregnant and nonpregnant rabbits. Moisey DM, et al. **Proc Soc Exp Biol Med** 1983 Oct;174(1):114–8
Prostacyclin producing activity of human umbilical, placental and uterine vessels. Kawano M, et al. **Prostaglandins** 1983 Oct;26(4):645–62
Intrauterine growth of the guinea pig fetal-placental unit throughout pregnancy: regulation by utero-placental blood flow. Garris DR. **Teratology** 1984 Feb;29(1):93–9
[Changes in the amount of blood in the uterus of pregnant rats following the use of prostaglandin E2 (II)] Andreev Zh, et al. **Akush Ginekol (Sofiia)** 1983;22(4):255–9 (Eng. Abstr.) **(Bul)**
[Physiological and pathological changes in normal uterine vasculature and uteroplacental vasculature in pregnancy] Tang MY. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan; 19(1):49–52 **(Chi)**
[Doppler studies of arterial blood flow in the uterus during labor] Fendel H, et al. **Z Geburtshilfe Perinatol** 1984 Mar–Apr;188(2):64–7 (Eng. Abstr.) **(Ger)**
[Effect of nicotine on uterine blood flow and antagonistic effect of prostaglandin I2 derivative (OP–41483) in pregnant ewes] Matsuura S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May;36(5):710–8 (Eng. Abstr.) **(Jpn)**
[Effects of indomethacin on renal and uterine blood flow and pressor responsiveness to angiotensin II or norepinephrine in pregnant dogs] Matsuura S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Dec; 35(12):2349–58 (Eng. Abstr.) **(Jpn)**
[Uterine hemodynamics during uterine contractions] Savitskii GA. **Akush Ginekol (Mosk)** 1984 Jul;(7):9–12 **(Rus)**
[Microcirculation in the serous coat of the uterus in the intact rat] Orlov VI, et al. **Patol Fiziol Eksp Ter** 1984 Mar–Apr; (2):66–7 (Eng. Abstr.) **(Rus)**
[Intraperitoneal visceral (uterine) phlebography in the diagnosis of tumors] Cherenkov VG, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):48–51 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Occlusion and reformation of the rat uterine lumen during pregnancy. Welsh AO, et al. **Am J Anat** 1983 Aug; 167(4):463–77
Observations on uterine mast cells during early pregnancy in the vole, Microtus agrestis. [illegible]ndon JM, et al. **Anat Rec** 1984 Apr;208(4):515–20
Experimental evidence for the bone marrow origin of granulated metrial gland cells of the mouse uterus. Peel S, et al. **Cell Tissue Res** 1983;233(3):647–56
Primary cultures of estrogen-responsive cells from rat uteri: induction of progesterone receptors and a secreted protein. Kassis JA, et al. **Endocrinology** 1984 May;114(5):1558–66
Direct mitogenic effect of estrogen on the prepuberal rat uterus: studies on isolated nuclei. Stack G, et al. **Endocrinology** 1984 Sep;115(3):1141–50
Brown adipose tissue in the parametrial fat pad of the mouse. Young P, et al. **FEBS Lett** 1984 Feb 13;167(1):10–4
The effects of ovariectomy and subsequent progesterone replacement on the uterus of the pregnant mouse. Sharma R, et al. **J Anat** 1983 Dec;137 (Pt 4):695–703
An investigation into the differentiation of granulated metrial gland cells in the early pregnant mouse uterus. Stewart I. **J Anat** 1983 Aug;137 (Pt 1):85–93
Intraepithelial lymphocytes in the bovine uterus during the oestrous cycle and early gestation. Vander Wielen AL, et al. **J Reprod Fertil** 1984 Mar;70(2):457–62
Migration of leucocytes into the uterus after acute removal of ovarian progesterone during early pregnancy in the sheep. Staples LD, et al. **Placenta** 1983 Oct–Dec; 4(4):339–49
Filling rates of the uterovaginal sperm storage glands in the turkey. McIntyre DR, et al. **Poult Sci** 1983 Aug; 62(8):1652–6

DRUG EFFECTS

Effect of ethylenediaminetetraacetic acid on postpartum collagen degradation: collagen-bound collagenase. Shimizu K, et al. **Acta Anat (Basel)** 1984;119(2):118–20
Concomitant reduction in uterine blood flow and intrauterine oxygen tension in the rat following nicotine administration. Mitchell JA, et al. **Adv Exp Med Biol** 1983;159:231–41
The effects of xylazine on uterine activity, fetal and maternal oxygenation, cardiovascular function, and fetal breathing. Jansen CA, et al. **Am J Obstet Gynecol** 1984 Feb 15; 148(4):386–90
Independent regulation of growth and steroid receptors in uterus and mammary tumors of rats. Janssens JP, et al. **Anticancer Res** 1983 Nov–Dec;3(6):385–91
Effects of daily anti-estrogen treatment on uterine growth and progesterone receptor concentrations in adult rat uterus. Janssens JP, et al. **Anticancer Res** 1984 May–Jun; 4(3):157–62
Gap junction modulation in rat uterus. II. Effects of antiestrogens on myometrial and serosal cells. Burghardt RC, et al. **Biol Reprod** 1984 Feb;30(1):249–55
Gap junction modulation in rat uterus. I. Effects of estrogens on myometrial and serosal cells. Burghardt RC, et al. **Biol Reprod** 1984 Feb;30(1):239–48
Intrauterine injection of cholera toxin induces estrogen-like uterine growth. Stewart PJ, et al. **Biol Reprod** 1983 Oct; 29(3):671–9
Estrogen agonistic and antagonistic action of 8 non-steroidal antiestrogens on progestin receptor induction in rat pituitary gland and uterus. Kirchhoff J, et al. **Brain Res** 1983 Dec 19;289(1–2):380–4
Inhibitory effects of ketamine on the isolated uteri of the rat: evidence for the mechanism of action. Calixto JB, et al. **Can J Physiol Pharmacol** 1983 Nov;61(11):1305–11
Modulation of ovine myometrial activity by estradiol-17 beta. The possible involvement of prostaglandins. Lye SJ, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):729–35
Estradiol modulation of ovine uterine activity. Windmoller R, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):722–8
The effects of the high affinity antiestrogen, H1285, on uterine growth and morphology. Ruh MF, et al. **Comp Biochem Physiol [C]** 1984;77(1):89–93
Comparative effects of intrauterine instillation of analogues of quinacrine and tetracycline on uterine morphology in the rat. Dubin NH, et al. **Contraception** 1984 Jun; 29(6):553–9
Effect of intrauterine administration of tetracyclines on cynomolgus monkeys. Dubin NH, et al. **Contraception** 1984 Jun;29(6):561–71
Estrogen-induced cell multiplication: direct or indirect effect on rat uterine cells? Schatz R, et al. **Endocrinology** 1984 Aug;115(2):501–6
Biochemical cascade mediating the estradiol action. Pankova TG, et al. **Exp Clin Endocrinol** 1983 Aug;82(2):131–9
Different oestrogenic responses of ICR, B6D2F1 and B6C3F1 mice given diethylstilboestrol orally. Farmakalidis E, et al. **Food Chem Toxicol** 1984 Aug;22(8):681–2
The effect of arginine vasotocin on prostaglandin production of the hen uterus. Rzasa J. **Gen Comp Endocrinol** 1984 Feb; 53(2):260–3
Methods for the evaluation of responses to estrogen in individual cell types or regions of the uterus. Grunert G, et al. **Horm Res** 1984;19(4):253–62
Effect of estradiol dipropionate on uterine and vaginal glycogen content of Parkes (P) mice. Tripathi G. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):317–22
Cell organization in the stroma of the rat uterus. II. Responses to progesterone in the ovariectomised rat. Rogers AW, et al. **J Anat** 1983 Oct;137 (Pt 3):541–53
The inhibitory effect of clonidine on the oestrogen-primed rat isolated uterus. Goyal RK, et al. **J Auton Pharmacol** 1983 Sep;3(3):213–7
Induction of cytosolic receptors for 1 alpha, 25-dihydroxyvitamin D3 in the immature rat uterus by oestradiol. Levy J, et al. **J Endocrinol** 1984 Mar; 100(3):265–9
Antioestrogenic and antitumour activities of a series of non-steroidal antioestrogens. Wakeling AE, et al. **J Endocrinol** 1983 Dec;99(3):455–64
Comparison of the biological effects of tamoxifen and a new antioestrogen (LY 117018) on the immature rat uterus. Wakeling AE, et al. **J Endocrinol** 1983 Dec;99(3):447–53
Mechanisms of specific change by estradiol in sensitivity of rat uterus to serotonin. Ichida S, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):244–9
Proteins released by cultured Day 15–16 conceptuses prolong luteal maintenance when introduced into the uterine lumen of cyclic ewes. Godkin JD, et al. **J Reprod Fertil** 1984 May;71(1):57–64
Relations between cytosolic and nuclear estrogen receptors in castrated rat uterus following low 17 beta-estradiol doses. Díaz Chico BN, et al. **J Steroid Biochem** 1984 May; 20(5):1135–9
Time-course of the effects of nafoxidine and oestradiol on separate groups of responses in the uterus of the immature rat. Galand P, et al. **J Steroid Biochem** 1984 Jul;21(1):43–7
Evaluation of androgen antagonism of estrogen effect by dihydrotestosterone. Hung TT, et al. **J Steroid Biochem** 1983 Oct;19(4):1513–20
Biological responses and histological studies of estriol and estriol sulfate in fetal and newborn uteri of guinea pig. Pasqualini JR, et al. **J Steroid Biochem** 1984 Apr; 20(4B):1047–55
Direct inhibitory effect of gonadotropin releasing hormone in the uterus of rat. Rao IM, et al. **Life Sci** 1984 Jun 4; 34(23):2257–63
Effects of dexamethasone and indomethacin on estrogen-induced uterine growth. Stewart PJ, et al. **Life Sci** 1983 Dec 5;33(23):2349–56
Comparative effect of estriol and equine conjugated estrogens on the uterus and the vagina. Phillips A, et al. **Maturitas** 1984 Mar;5(3):147–52
Impaired estrogen stimulation of RNA polymerase II activity in uterine nuclei of senescent rats. Haji M, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):141–8
Tamoxifen-induced changes in the polyribosomes and associated mRNA of rat uterus. Waters AP, et al. **Mol Cell Endocrinol** 1983 Oct;32(2–3):233–44
Severe systemic reactions following administration of different ureotonic drugs. Cohen S, et al. **NY State J Med** 1983 Jul–Sep;83(8–10):1060–1
Uterine and cardiovascular effects of fenoterol and hexoprenaline in prostaglandin F2 alpha-induced labor in humans. Lipshitz J, et al. **Obstet Gynecol** 1984 Mar; 63(3):396–400
Neuropeptides in the female genital tract: effect on vascular and non-vascular smooth muscle. Ottesen B, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):387–92
Uterine stimulant action of some 16-phenoxy analogues of (+)-11-deoxyprostaglandin E1. Caton MP, et al. **Prostaglandins** 1984 May;27(5):761–70
The effect of ovarian steroids on prostaglandin F2 catabolism in ovariectomized rat uterus. Kogo H, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):351–63
Differential effects of ibuprofen and naproxen sodium on menstrual prostaglandin release and on prostaglandin production in the rat uterine homogenate. Powell AM, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):129–37
Prostaglandin E2 and prostaglandin F2 regulation of triglyceride levels in uterine smooth muscle from restricted-diet estrous and diestrous rats. Sterin AB, et al. **Prostaglandins Leukotrienes Med** 1984 Jun;14(3):391–401
Estradiol, progesteron and indomethacin influence on the methyl-ergometrine maleate activity on rat uterus. Dumitrescu S, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):285–8
Uterine hyperstimulation and rupture after induction of labour with prostaglandin E2. Case reports. Larsen JV, et al. **S Afr Med J** 1984 Apr 14;65(15):615–6
Structure-activity relationships of estrogens. Effects of 14-dehydrogenation and axial methyl groups at C-7, C-9 and C-11. Gabbard RB, et al. **Steroids** 1983 Jun; 41(6):791–805
Estrogenic activity of zearalenone and zearalanol in the neonatal rat uterus. Sheehan DM, et al. **Teratology** 1984 Jun;29(3):383–92
Ultrasound assessment of changes in the ovary and the uterus during LHRH therapy. Adams J, et al. **Ups J Med Sci** 1984;89(1):39–42
Alterations in microvilli of uterine epithelial cells after colchicine treatment. Lunam CA, et al. **Z Mikrosk Anat Forsch** 1983;97(6):1005–8
[Action of estradiol and progesterone on alkaline and acid phosphatase activity in the sheep uterus] Pamukova D, et al. **Vet Med Nauki** 1983;20(3–4):107–13 (Eng. Abstr.) **(Bul)**
[Estradiol derivatives: relationship between uterotrophic activity and affinity to the cytosol receptor] Tang ZM, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):186–91 (Eng. Abstr.) **(Chi)**
[Effect of PMSG/HCG combinations on ovaries and uteri of gilts used for stimulation of estrous cycle within the framework of ovulation synchronization] Heinze A, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):911–5 (Eng. Abstr.) **(Ger)**
[Effect of PMSG/HCG combinations on ovaries and uteri as well as on the tolerant behavior of gilts in estrus synchronization] Heinze A, et al.

Arch Exp Veterinarmed 1983 Nov;37(6):917–25 (Eng. Abstr.) **(Ger)**

[Experimental studies of the chemical stimulation of uterus involution in the early puerperium of cattle] Plötner J, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):133–41 (Eng. Abstr.) **(Ger)**

[Effect of PMSG/HCG combinations on ovaries and uteri of gilts used for stimulation of estrous cycle within the framework of puberty induction to advance the 1st insemination date] Schlegel W, et al. **Arch Exp Veterinarmed** 1983 Nov;37(6):899–904 (Eng. Abstr.) **(Ger)**

[Modification of cycle-dependent changes in the uterus by the intake of hormonal contraceptives] Bartl W, et al. **Ultraschall Med** 1984 Apr;5(2):74–6 (Eng. Abstr.) **(Ger)**

[Effect of methylergometrin on involution of the uterus in the early puerperium] Klug PW, et al. **Z Geburtshilfe Perinatol** 1983 Jul–Aug;187(4):203–4 (Eng. Abstr.) **(Ger)**

[Effect of histamine and its antagonists on the muscle tone of the body of the non-pregnant and pregnant human uterus] Atanacković D, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):65–8 (Eng. Abstr.) **(Scr)**

[Effect of histamine and its antagonists on the muscular tone of the non-pregnant uterus in the woman] Atanacković D, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):61–4 (Eng. Abstr.) **(Scr)**

EMBRYOLOGY

Anti-estrogens in fetal and newborn target tissues. Pasqualini JR, et al. **J Steroid Biochem** 1984 Jan;20(1):121–8

The shaping of the mesometrial proamniotic cavity in the mouse. Are there various mechanisms? Sandor S, et al. **Morphol Embryol (Bucur)** 1983 Oct–Dec;29(4):237–41

ENZYMOLOGY

Enzyme activities of energy metabolism in skeletal muscle, and in the uterus, during late pregnancy in the mouse. Orlander J. **Acta Physiol Scand** 1984 Feb;120(2):305–10

Estrogen-like stimulation of uterine ornithine decarboxylase by cholera toxin. Webster RA, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E288–91

Structure of membrane-associated and solubilized uterine adenylate cyclase. Evidence against activation through dissociable subunit interactions in the lipid bilayer. Frolich M, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):166–73

A kinetic analysis of activation of smooth muscle adenylate cyclase by forskolin. Krall JF. **Arch Biochem Biophys** 1984 Mar;229(2):492–7

Ca2+-activated proteinase in the rat. Quantification by immunoassay in the uterus during pregnancy and involution, and in other tissues. Elce JS, et al. **Biochem J** 1984 Jun 1;220(2):507–12

Development and characteristics of an oestrogen sulphotransferase in placenta and uterus of the pregnant mouse. Comparison between mouse and rat. Hobkirk R, et al. **Biochem J** 1983 Nov 15;216(2):451–7

Stimulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase in mouse uterine epithelial cells by oestradiol-17 beta. Wilce PA, et al. **Biochem J** 1984 Mar 15;218(3):849–55

Oxidation of [14C]diethylstilbestrol epoxide by uterine peroxidase: a possible protective mechanism. Jellinck PH, et al. **Biochem Pharmacol** 1983 Nov 1;32(21):3247–9

Estrogen–androgen interaction: selective inhibition of estrogen-induced uterine peroxidase by testosterone and 5 alpha-dihydrotestosterone. Jellinck PH, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):779–83

Effects of hormone treatment on the distribution of monoamine oxidase in the Syrian hamster uterus. Gilloteaux J, et al. **Cell Mol Biol** 1983;29(3):217–26

Inhibition of rat embryonic development by the intrauterine administration of alpha-difluoromethylornithine. Méndez JD, et al. **Contraception** 1983 Jul;28(1):93–8

The postnatal ontogeny of rat uterine ornithine decarboxylase: acquisition of a second peak of estrogen-induced enzyme activity. Olson ME, et al. **Endocrinology** 1983 Nov;113(5):1826–31

Differences between uterine and melanoma forms of tissue plasminogen activator. Pohl G, et al. **FEBS Lett** 1984 Mar 12;168(1):29–32

Partial purification and characterization of gelatinase and metal dependent peptidase from rabbit uterus and their synergistic action on gelatin in vitro. Sakyo K, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):1913–23

The collagen substrate specificity of rat uterus collagenase. Welgus HG, et al. **J Biol Chem** 1983 Dec 10; 258(23):14162–5

Androgen receptor-mediated inhibition of estrogen-induced uterine peroxidase. Jellinck PH, et al. **J Steroid Biochem** 1983 Dec;19(6):1713–7

Stimulation of uterine ornithine decarboxylase in organ culture by decreasing osmolality: possible relation to in vivo mechanisms. Webster RA, et al. **Life Sci** 1984 Mar 26;34(13):1281–6

An estrogen-stimulated, calcium-dependent tosylarginine methyl ester (TAME) hydrolase in immature rat uterus. Henrikson KP, et al. **Mol Cell Endocrinol** 1984 Feb; 34(2):153

An estrogen-stimulated, calcium-dependent tosylarginine methyl ester (TAME) hydrolase in immature rat uterus. Henrikson KP, et al. **Mol Cell Endocrinol** 1983 Oct; 32(2–3):143–56

Estradiol, progesterone and tamoxifen regulation of ornithine decarboxylase (ODC) in rat uterus and chick oviducts. Levy C, et al. **Prog Clin Biol Res** 1984;142:133–44

Peroxidase activity as a marker for estrogen action in rat uteri and human mammary carcinomas. Duffy MJ, et al. **Recent Results Cancer Res** 1984;91:283–8

Effect of ovariectomy and estrogen treatment on uterine benzylamine oxidase and monoamine oxidase type A. Bhansali KG, et al. **Res Commun Chem Pathol Pharmacol** 1983 Jul;41(1):37–49

[Induction, by 17 beta-estradiol, of thymidine kinase activity in uteri of rats] Haras D, et al. **C R Soc Biol (Paris)** 1983; 177(3):283–9 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Dissociated regulation of growth and ornithine decarboxylase activity by estrogen in the rat uterus. Rorke EA, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1186–93

Uterine and fetal growth following unilateral hysterectomy-ovariectomy in ewes. Anthony RV, et al. **Biol Neonate** 1984;46(1):14–9

Uterotropic action of indomethacin on the rat uterus. Puri CP, et al. **Biol Reprod** 1984 May;30(4):1027–38

Hormonal control of uterine growth: alterations in luminal epithelial deoxyribonucleic acid synthesis after intraluminal application of estrogen. Kirkland JL, et al. **Endocrinology** 1984 Mar;114(3):969–73

Recognition of two forms of the estrogen receptor in the guinea-pig uterus at different stages of development by a monoclonal antibody to the human estrogen receptor. Dynamics of the translocation of these two forms to the nucleus. Giambiagi N, et al. **J Steroid Biochem** 1984 Jan; 20(1):397–400

Hormone-induced morphogenesis and growth: role of mesenchymal-epithelial interactions. Cunha GR, et al. **Recent Prog Horm Res** 1983;39:559–98 (91 ref.)

IMMUNOLOGY

Chemotactic properties and protein of equine uterine fluid. Blue HB, et al. **Am J Vet Res** 1984 Jun;45(6):1205–8

Macrophages in murine uterus are immunosuppressive. Hunt JS, et al. **Cell Immunol** 1984 May;85(2):499–510

Hormonal regulation of immunoglobulins in the rat uterus: uterine response to multiple estradiol treatments. Sullivan DA, et al. **Endocrinology** 1984 Feb;114(2):650–8

Maternal immunoglobulins G, A and M in mouse uterus and embryo during the postimplantation period. Rachman F, et al. **J Reprod Immunol** 1984 Jan;6(1):39–47

[Immunomorphologic characteristics of patients after surgery for chronic suppurative salpingo-oophoritis] Franchuk AE. **Akush Ginekol (Mosk)** 1983 Sep;(9):68–9 (5 ref.) **(Rus)**

INJURIES

[Results of the ruptured pregnant uterus at Kinshasa University Clinics. Apropos of 24 cases from 1973 to 1980] Lusanga-Nkwey, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(7):755–61 (Eng. Abstr.) **(Fre)**

[Removal of a foreign body from the uterine cavity using a hysteroscope] Stelmachów J, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):565–7 (Eng. Abstr.) **(Pol)**

METABOLISM

Collagen degradation in the mouse uterus during postpartum involution: extracellular pathway. Shimizu K, et al. **Acta Anat (Basel)** 1983;117(3):257–60

Effect of oestradiol-17 beta on uterine epidermal growth factor concentration in immature mice. Gonzalez F, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):425–8

Regulatory influence of relaxin on human cervical and uterine connective tissue. Wiqvist I, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):127–32

Effects of oxytocin on cervical and uterine connective tissue. Wiqvist I, et al. **Acta Endocrinol (Copenh)** 1984 Jun; 106(2):271–6

The effect of chloroquine on the uptake of 3H-oestradiol by the uterus and other tissues of the rat. Dada OA, et al. **Afr J Med Med Sci** 1983 Mar;12(1):37–40

Influence of danazol on cytoplasmic and nuclear estrogen binding capacity in the uterus. Sanfilippo JS, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):364–8

Partition of maternal glucose production between conceptus and maternal tissues in sheep. Hay WW Jr, et al. **Am J Physiol** 1983 Oct;245(4):E347–50

Furosemide-sensitive thallium fluxes in smooth muscle of rabbit uterus. Johns A, et al. **Am J Physiol** 1983 Dec; 245(6):F778–83

Cytoplasmic estrogen receptors in bovine uterus and uterine tube (oviduct). Crisman RO, et al. **Am J Vet Res** 1983 Dec;44(12):2246–50

Glycoconjugates in the reproductive system of female rabbits in physiological estrogenic conditions. Menghi G, et al. **Anat Anz** 1984;156(2):125–8

Rat uterine progesterone receptor: stabilization of hormone-binding components for biochemical analyses. Walters MR. **Arch Biochem Biophys** 1983 Sep; 225(2):656–66

Characterization of uterine estrogen receptors by size-exclusion and ion-exchange high-performance liquid chromatography. Madhok TC, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):988–94

Specific internalization of estrogen and binding to nuclear matrix in isolated uterine cells. Pietras RJ, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):84–91

Estrogen-induced changes in high-energy phosphate metabolism in rat uterus: 31P NMR studies. Degani H, et al. **Biochemistry** 1984 Jun 5;23(12):2572–7

Estrogenicity of coumestrol in the mouse: fluorescence detection of interaction with estrogen receptors. Nelson K, et al. **Biochemistry** 1984 Jun 5;23(12):2565–72

Estrogen receptor transformation to a high-affinity state without subunit-subunit interactions. Sakai D, et al. **Biochemistry** 1984 Jul 17;23(15):3541–7

Binding of the estradiol-receptor complex to reconstituted nucleoacidic protein from calf uterus. Ross P Jr, et al. **Biochim Biophys Acta** 1984 May 15;782(1):18–25

Binding of [3H]estradiol- and [3H]H1285-receptor complexes to rabbit uterine chromatin. Singh RK, et al. **Biochim Biophys Acta** 1984 Jul 16;800(1):33–40

Thromboxane production in the pregnant rat: differential recovery by platelets and uterus following aspirin administration. Dubin NH, et al. **Biol Reprod** 1983 Oct; 29(3):743–9

Failure of exogenous progestogens to block dexamethasone-induced prostaglandin F release from the uterus of the late-pregnant cow. Fairclough RJ, et al. **Biol Reprod** 1984 Feb;30(1):112–8

Presence of an inhibitor of plasminogen activator in uterine fluid of the western spotted skunk during delayed implantation. Fazleabas AT, et al. **Biol Reprod** 1984 Mar; 30(2):311–22

Suppression of phytohemagglutinin-stimulated lymphocyte blastogenesis by ovine uterine milk protein. Segerson EC, et al. **Biol Reprod** 1984 Jun;30(5):1175–86

Transfer of piperacillin to various uterine tissues. Piperacillin study group for application in the field of obstetrics and gynecology. Takase Z. **Biol Res Pregnancy Perinatol** 1984; 5(2):48–56

Interactions of methylestrogens with cytoplasmic and nuclear estrogen receptors in rat pituitary gland, hypothalamus and uterus. Kirchhoff J, et al. **Brain Res** 1984 Mar 5; 294(2):354–8

Estrogen induction of progestin receptors in pituitary, hypothalamic and uterine cytosol of androgenized female rats. Kirchhoff J, et al. **Brain Res** 1983 Sep 19;275(1):173–7

Systemic and local regulation of oxytocin receptors in the rat uterus, and their functional significance. Fuchs AR, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):615–24

Regulation of oxytocin receptor concentration in rat uterine explants by estrogen and progesterone. Soloff MS, et al. **Can J Biochem Cell Biol** 1983 Jul;61(7):625–30

An endogenous inhibitor of [3H]estradiol binding to nuclear type II estrogen binding sites in normal and malignant tissues. Markaverich BM, et al. **Cancer Res** 1984 Apr; 44(4):1515–9

Physicochemical characterization of the androgen receptor in rat uterine cytosol. Chang CH, et al. **Endocrinology** 1983 Oct;113(4):1486–93

Effects of in vivo estradiol administration on availability of rat uterine nuclear acceptor in measured in vitro. Chuknyiska RS, et al. **Endocrinology** 1984 Aug;115(2):836–8

In rat uterus 17 beta-estradiol stimulates a calcium-binding protein similar to the duodenal vitamin D-dependent calcium-binding protein. Delorme AC, et al. **Endocrinology** 1933 Oct;113(4):1340–7

Nuclear thyroid hormone receptor in the rat uterus. Evans RW, et al. **Endocrinology** 1983 Oct;113(4):1459–63

The interaction of C-17 esters of estradiol with the estrogen receptor. Janocko L, et al. **Endocrinology** 1984 Apr; 114(4):1180–6

Estrogen receptors in rat uterine cell cultures: effects of medium on receptor concentration. Kassis JA, et al. **Endocrinology** 1984 Aug;115(2):762–9

Heterogeneous deoxyribonucleic acid-binding forms of rabbit uterine progesterone receptor. Lamb DJ, et al. **Endocrinology** 1984 May;114(5):1833–40

Estrogen and progesterone receptors in the endometrium, myometrium, and metrial gland of the rat during the decidualization process. Martel D, et al. **Endocrinology** 1984 May;114(5):1627–34

Differential regulation of protein synthesis by estradiol in uterine component tissues. Quarmby VE, et al. **Endocrinology** 1984 Aug;115(2):687–97

Characterization of the calf uterine progesterone receptor and its stabilization by nucleic acids. Theofan G, et al. **Endocrinology** 1984 Apr;114(4):1173–9

Endocrine aspects of early pregnancy in pony mares: a comparison of uterine luminal and peripheral plasma levels of steroids during the estrous cycle and early pregnancy. Zavy MT, et al. **Endocrinology** 1984 Jul;115(1):214–9

The synthesis of ribosomal RNA and ribosomal protein and their incorporation into ribosomes in the uterus of the oestrogen-stimulated immature rat. Muller RE, et al. **FEBS Lett** 1984 Sep 3;174(2):253–7

Effect of estrogens on RNA synthesis in the uterine epithelium of castrated mice. Konecki J, et al. **Ginekol Pol** 1984 Jan;55(1):13–8

Pregnancy-related changes in the mouse oviduct and uterus revealed by differential binding of fluoresceinated lectins. Lee MC, et al. **Histochemistry** 1983;79(3):365–75

Effects of fasting on the distribution of cytoplasmic and

nuclear oestrogen receptors in rat liver, uterus, pituitary and hypothalamus before and after exogenous oestrogen administration. Lax ER, et al.
Hoppe Seylers Z Physiol Chem 1984 Mar;365(3):335–41

[77Br]-17-alpha-Bromoethynylestradiol: in vivo and in vitro characterization of an estrogen receptor radiotracer. Gibson RE, et al. **Int J Nucl Med Biol** 1982;9(4):245–50

Association and dissociation of estrogen receptor with estrogen receptor-binding factors is regulated by Mg2+. Fukai F, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1227–30

Action of calpain on the basic estrogen receptor molecule of porcine uterus. Murayama A, et al.
J Biochem (Tokyo) 1984 Jun;95(6):1697–704

Increase of serotonin receptors in rat uterus induced by estradiol. Ichida S, et al. **J Biol Chem** 1983 Nov 25; 258(22):13438–43

Characteristics of different cytoplasmic and nuclear estrogen receptors appearing with continuous hormonal exposure. Jakesz R, et al. **J Biol Chem** 1983 Oct 10;258(19):11807–13

Continuous estrogen exposure in the rat does not induce loss of uterine estrogen receptor. Jakesz R, et al.
J Biol Chem 1983 Oct 10;258(19):11798–806

Eosinophils as the source of uterine nuclear type II estrogen binding sites. Lyttle CR, et al. **J Biol Chem** 1984 Mar 10; 259(5):2697–700

Preliminary characterization of an endogenous inhibitor of [3H]estradiol binding in rat uterine nuclei. Markaverich BM, et al. **J Biol Chem** 1983 Oct 10;258(19):11663–71

The role of arginyl residues in estrogen receptor activation and transformation. Müller RE, et al. **J Biol Chem** 1983 Oct 10;258(19):11582–9

Uterine estrogen and progesterone receptors in an estrogen- and progesterone- 'resistant' primate. Chrousos GP, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):516–20

Immunohistochemical detection of the estrogen-regulated 52,000 mol wt protein in primary breast cancers but not in normal breast and uterus. Garcia M, et al.
J Clin Endocrinol Metab 1984 Sep;59(3):564–6

Binding sites for epidermal growth factor in human uterine tissues and leiomyomas. Hofmann GE, et al.
J Clin Endocrinol Metab 1984 May;58(5):880–4

Changes in the binding of oestradiol to uterine oestrogen receptors induced by some progesterone and 19-nor-testosterone derivatives. Di Carlo F, et al.
J Endocrinol 1983 Sep;98(3):385–9

Effect of insulin on glucose uptake by the maternal hindlimb and uterus, and by the fetus in conscious pregnant sheep. Hay WW Jr, et al. **J Endocrinol** 1984 Jan;100(1):119–24

Oestrogen levels in the blood, not in the uterus, determine uterine eosinophilia and oedema. Tchernitchin AN, et al.
J Endocrinol 1983 Oct;99(1):123–30

Cytochemical localization of hydrogen peroxide production in the rat uterus. Ishikawa Y, et al.
J Histochem Cytochem 1984 Jun;32(6):674–6

Validity of a histochemical estrogen receptor assay. Supported by the observation of a cellular response to steroid manipulation. Lee SH. **J Histochem Cytochem** 1984 Mar;32(3):305–10

Characteristics of ca influxes through voltage- and receptor-operated Ca channels in uterine smooth muscle. Ichida S, et al. **J Pharmacol Exp Ther** 1984 Feb; 228(2):439–45

Effects of age and steroid treatment on prostaglandin production by the rat uterus in relation to implantation. Brown C, et al. **J Reprod Fertil** 1984 Mar;70(2):649–56

On the source of uterine 'luminal fluid' proteins in the mouse. Martin L. **J Reprod Fertil** 1984 May;71(1):73–80

Time course of the changes in uterine vascular permeability associated with the development of the decidual cell reaction in ovariectomized steroid-treated rats. Milligan SR, et al. **J Reprod Fertil** 1984 Jan;70(1):1–6

Prostaglandin production by the early pregnant guinea-pig uterus in relation to implantation and luteal maintenance, and the effect of oestradiol. Poyser NL.
J Reprod Fertil 1984 Sep;72(1):117–27

Effect of stage of cycle, sampling frequency and recovery of micro-organisms on total protein content of mare uterine flushings. Strzemienski PJ, et al. **J Reprod Fertil** 1984 Jan; 70(1):327–32

Diurnal variations in estradiol binding site concentrations in the hypothalamus, pituitary and uterus of prepuberal rats. Barbanel G, et al. **J Steroid Biochem** 1984 Feb;20(2):539–43

Protein synthesis in the uterus of the immature rat: the effects of short exposures to oestradiol-17 beta. Beaumont JM, et al. **J Steroid Biochem** 1983 Oct;19(4):1503–8

Interaction of calf uterine estrogen receptors with chicken target cell nuclei. de Boer W, et al. **J Steroid Biochem** 1984 Jan;20(1):387–90

Specific glucocorticoid binding in human uterine tissues, placenta and fetal membranes. Giannopoulos G, et al.
J Steroid Biochem 1983 Sep;19(3):1375–8

Isoelectric heterogeneity of human uterine estrogen binding proteins. Gibbons WE, et al. **J Steroid Biochem** 1983 Sep; 19(3):1291–5

High affinity progesterone binding sites of human uterine microsomal membranes. Haukkamaa M.
J Steroid Biochem 1984 Feb;20(2):569–73

The effects of oestradiol-17 beta on the synthesis and modification of ribosomal proteins in the uterus of the immature rat. Muller RE, et al. **J Steroid Biochem** 1984 Jun;20(6A):1337–44

Influence of new hydroxylated triphenylethylene (TPE) derivatives on estradiol binding to uterine cytosol. Pons M, et al. **J Steroid Biochem** 1984 Jan;20(1):137–45

Non-steroidal antioestrogens—receptor binding and biological response in rat uterus, rat mammary carcinoma and human breast cancer cells. Wakeling AE, et al.
J Steroid Biochem 1984 Jan;20(1):111–20

Cyanoketone competition with estradiol for binding to the cytosolic estrogen receptor. Wolfson AJ, et al.
J Steroid Biochem 1983 Dec;19(6):1817–8

Adrenergic regulation of estradiol uptake and cyclic GMP content in rat uterus. Kano T, et al. **Jpn J Pharmacol** 1983 Jun;33(3):525–9

(2R*, 3S*)-1-[18F]fluoro-2,3-bis(4-hydroxyphenyl)pentane [(18F]fluoronor-hexestrol), a positron-emitting estrogen that shows highly-selective, receptor-mediated uptake by target tissues in vivo. Landvatter SW, et al. **Life Sci** 1983 Nov 7;33(19):1933–8

The influence of age on the distribution and activity of histamine receptors in the rat uterus. Paradelis AG, et al.
Methods Find Exp Clin Pharmacol 1984 Feb;6(2):79–82

An immobilized antiestrogen binds a specific uterine protein in addition to estrogen receptor proteins. Van Oosbree TR, et al. **Mol Cell Endocrinol** 1984 May;35(2–3):143–9

Effect of ovarian steroids on the metabolism of noradrenaline in rabbit uterus. Kennedy JA, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(2):132–42

The effect of pregnancy on the metabolism of noradrenaline in reproductive organs of the rabbit. Kennedy JA, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Jun; 326(2):143–7

Multiplicity of receptors for vasoactive intestinal polypeptide (VIP): differential effects of apamin on binding in brain, uterus and liver. Fahrenkrug J, et al.
Peptides (Fayetteville) 1983 Mar-Apr;4(2):133–6

Prostaglandin production by the pregnant and non-pregnant rabbit uterus. Bloch MH, et al. **Prostaglandins** 1983 Jul; 26(1):33–46

Effects of estradiol and progesterone on uterine prostaglandin levels in the pregnant rat. Wilson L Jr. **Prostaglandins** 1983 Jul;26(1):47–54

Sequential changes in the concentration of prostaglandins and steroids in uterine lymph in sheep during the oestrous cycle. Abdel Rahim SE, et al.
Prostaglandins Leukotrienes Med 1984 Jun;14(3):403–9

The effect of oxytocin, estrogen, calcium ionophore A23187 and hydrocortisone on prostaglandin F2 alpha and 6-oxo-prostaglandin F1 alpha production by cultured human endometrial and myometrial explants. Leaver HA, et al. **Prostaglandins Leukotrienes Med** 1984 Feb; 13(2):179–96

Arachidonic acid metabolism in reproductive tissues of pregnant guinea pig under in vivo circumstances. Mucha I, et al. **Prostaglandins Leukotrienes Med** 1983 Oct; 12(2):207–16

Studies on the temporal pattern of prostaglandin synthesis in the uterus of the delayed implanting rat with or without implantation inducing stimuli. Pakrasi PL, et al.
Prostaglandins Leukotrienes Med 1984 Jun;14(3):365–81

Influence of indomethacin delivered from an intrauterine silastic device on basal levels and synthesizing capability of rat uterus for prostacyclin. Peplow PV, et al.
Prostaglandins Leukotrienes Med 1984 May;14(2):191–7

In-vitro production of prostaglandin E, F and 6-oxo-prostaglandin F1 alpha by the uterine and ovarian tissues of pseudopregnant rabbits. Satoh K, et al.
Prostaglandins Leukotrienes Med 1983 Aug;11(4):401–14

Lipoxygenase and cyclooxygenase products of arachidonic acid in uterus. Selective interaction with the cGMP and cAMP systems. Vesin MF, et al.
Prostaglandins Leukotrienes Med 1984 Jan;13(1):75–8

Identification of 6 alpha- and 7 alpha-hydroxyestrone as major metabolites of estrone and estradiol in porcine uterus. Maschler I, et al. **Steroids** 1983 May;41(5):597–607

Characterization of estrogen binding in uterine cytosol from the fetal rhesus monkey. Kimmel GL, et al.
Teratogenesis Carcinog Mutagen 1983;3(4):355–65

Sulfated glycosaminoglycans synthesized in rabbit uterus. Munakata H, et al. **Tohoku J Exp Med** 1984 Jun; 143(2):205–12

Effects of exogenous oestrogen and experimentally induced endometritis on absorption of sodium benzylpenicillin from the cow's uterus. Ayliffe TR, et al. **Vet Rec** 1982 Jan 30; 110(5):96–8

Distribution studies of 14C-labelled aflatoxin B1 and ochratoxin A in pregnant mice. Appelgren LE, et al.
Vet Res Commun 1983 Dec;7(1–4):141–4

[Autoradiographic analysis of labeled estradiol binding by uterine tissue receptors in the rat following hormonal suppression of reproductive function] Orlov MM, et al.
Nerv Sist 1983;24:115–20 (11 ref.) **(Rus)**

MICROBIOLOGY

Studies on the bacterial flora of the female genital tract of sheep. Moorthy AR, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):15–8

Bacterial endotoxin in blood of dysgalactic sows in relation to microbial status of uterus, milk, and intestine. Morkoç A, et al. **J Am Vet Med Assoc** 1983 Oct 1;183(7):786–9

[Microflora of the birth canal and an intrauterine catheter system following use of polyvinylpyrrolidone iodine for subpartal disinfection of the vaginal mucosa] Kronjäger A, et al. **Z Geburtshilfe Perinatol** 1984 Jan-Feb;188(1):29–33 (Eng. Abstr.) **(Ger)**

[Anaerobic non-sporulating bacterial flora in gynecological material] Zahradníková I, et al.
Cesk Epidemiol Mikrobiol Imunol 1984 May;33(3):162–6 (Eng. Abstr.) **(Slo)**

[Evidence of Chlamydia in the uterine cervix in women] Cisláková L, et al. **Cesk Gynekol** 1983 Jun;48(5):346–51 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Differences in the surface radioiodinated proteins of skin and uterine microfilariae of Onchocerca gibsoni. Forsyth KP, et al. **Mol Biochem Parasitol** 1984 Feb;10(2):217–29

PATHOLOGY

Sonographic appearance of a pathologic retraction ring. Koontz WL, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):823–5

Various coagulation techniques tested in a rabbit model. Results of morphological and endocrinological studies. Riedel HH, et al. **Endoscopy** 1984 Mar;16(2):47–52

Stage II cancer of the endometrium: a pathologic and clinical study. Wallin TE, et al. **Gynecol Oncol** 1984 May;18(1):1–17

Experience with the Hamou colpomicrohysteroscope. Corson SL, et al. **J Reprod Med** 1983 Oct;28(10):654–8

Changes in uterine morphology which accompany the development of preneoplastic and neoplastic mammary lesions in old mice. Brophy MO, et al.
Scan Electron Microsc 1984;(Pt 1):335–42

Placental alterations secondary to intrauterine crowding. Robinson LK. **Semin Perinatol** 1983 Oct;7(4):278–80

Pathology of maternal genital tract, placenta, and fetus in equine viral arteritis. Coignoul FL, et al. **Vet Pathol** 1984 May;21(3):333–40

[Biochemical and morphological studies of cells of the corpus uteri mucosa in women with risk of uterine cancer] Knapp P, et al. **Probl Med Wieku Rozwoj** 1983;12:213–9 (Eng. Abstr.) **(Pol)**

[Utero-placental relations in pregnant women with extragenital pathology (according to the findings of morphological studies)] Zadorozhnaia TD.
Akush Ginekol (Mosk) 1984 Jan;(1):25–7 (Eng. Abstr.) **(Rus)**

[Malignant non-Hodgkin's lymphoma of the uterus] Zhuravlev AP, et al. **Arkh Patol** 1984;46(6):75–80 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Egg shell formation by vitelline globules or by uterus. An introspection. Bhatnagar AK, et al.
Acta Morphol Neerl Scand 1984 Mar;22(1):75–83

Concentrations of progesterone and luteinizing hormone in the serum of diestrous bitches before and after hysterectomy. Olson PN, et al. **Am J Vet Res** 1984 Jan; 45(1):149–53

Rat uterine tissue and cell responses to the presence of plain and indomethacin-delivering IUDs. Page CC, et al.
Anat Rec 1984 Apr;208(4):507–14

Embryonic signals and the initiation of blastocyst implantation. Kennedy TG. **Aust J Biol Sci** 1983; 36(5–6):531–43 (115 ref.)

Uterine position and conditioned taste aversion. Babine AM, et al. **Behav Neurosci** 1984 Jun;98(3):461–6

Regulation of uteroglobin synthesis and conservation of progesterone and estrogen receptors in immature rabbit uterus during prolonged progesterone treatment. Isotalo H. **Biochem Biophys Res Commun** 1983 Sep 30; 115(3):1015–21

Are regular activity episodes of the genital tract controlled by pulsatile releases of oxytocin? Garcia-Villar R, et al.
Biol Reprod 1983 Dec;29(5):1183–8

Selective permeability of the blood-uterine lumen barrier in rats: importance of lipid solubility. McRae AC, et al.
Biol Reprod 1983 Nov;29(4):886–94

Selective permeability of the blood-uterine lumen barrier in rats: importance of molecular size. McRae AC, et al.
Biol Reprod 1983 Nov;29(4):879–885

Filled bladder simplifies human embryo transfer. Sundström P, et al. **Br J Obstet Gynaecol** 1984 May;91(5):506–7

Penetration rate of chilled and frozen sperms from Jersey bulls and levels of certain electrolytes in the oestrous mucus of cows. Kumar Y, et al. **Br Vet J** 1983 Sep-Oct; 139(5):452–5

The uterus as an endocrine compartment. Riddick DH, et al. **Clin Perinatol** 1983 Oct;10(3):627–39 (69 ref.)

A comparison of developmental changes in surface charge in mouse blastocysts and uterine epithelium using DEAE beads and dextran sulfate in vitro. Morris JE, et al.
Dev Biol 1984 May;103(1):190–9

Role of the nongravid part of the uterus in the luteolytic effects of estrogen in pregnant rats. Tamura H.
Endocrinol Jpn 1983 Oct;30(5):615–20

Estrogen and progesterone regulation of proliferation, migration, and loss in different target cells of rabbit uterine epithelium. Conti CJ, et al. **Endocrinology** 1984 Feb; 114(2):345–51

The effect of low dose continuous exposure to estradiol on the estrogen receptor (type I) and nuclear type II sites. Markaverich BM, et al. **Endocrinology** 1984 Mar; 114(3):814–20

Estrogen action in the mouse uterus: the influence of the neuroendocrine–adrenal axis. Quarmby VE, et al. **Endocrinology** 1984 Jan;114(1):108–15

The influence of 17 beta–estradiol on patterns of cell division in the uterus. Quarmby VE, et al. **Endocrinology** 1984 Mar; 114(3):694–702

Uterine steroid receptor changes associated with progesterone withdrawal during pregnancy and pseudopregnancy in rabbits. Quirk SM, et al. **Endocrinology** 1984 Jan;114(1):182–91

Vasoactive intestinal polypeptide (VIP) increases vaginal blood flow and inhibits uterine smooth muscle activity in women. Ottesen B, et al. **Eur J Clin Invest** 1983 Aug; 13(4):321–4

Observations on intra–uterine resting–phase pressure in at term pregnancy in different body positions. van der Leeuw–Harmsen L, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):83–8

The inhibitory effect of histamine on the motility of rat uterus in vivo. Cortijo J, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):7–12

Electromyographical study of uterine activity in the human during labour induced by prostaglandin F2 alpha. Lopes P, et al. **Gynecol Obstet Invest** 1984;17(2):96–105

Purification and properties of a mammary–uterine–pituitary tumor cell growth factor from pregnant sheep uterus. Ikeda T, et al. **J Biol Chem** 1984 Apr 10;259(7):4049–64

Effects of chronic fetal hyperglycemia upon oxygen consumption in the ovine uterus and conceptus. Philipps AF, et al. **J Clin Invest** 1984 Jul;74(1):279–86

Control of uterine activity in the sheep. Thorburn GD, et al. **J Dev Physiol** 1984 Feb;6(1):31–43

Pattern of electrical activity of the ovine uterus and cervix from mating to parturition. Garcia–Villar R, et al. **J Reprod Fertil** 1984 Sep;72(1):143–52

Relationship between electrical activity of the uterus and surgically isolated myometrium in the pregnant and nonpregnant ewe. Sigger JN, et al. **J Reprod Fertil** 1984 Jan;70(1):103–14

Differential blockade of estrogen–induced uterine responses by the antiestrogen nafoxidine. Galand P, et al. **J Steroid Biochem** 1983 Sep;19(3):1259–63

Differential antiestrogen action in the immature rat uterus: a comparison of hydroxylated antiestrogens with high affinity for the estrogen receptor. Jordan VC, et al. **J Steroid Biochem** 1983 Sep;19(3):1249–58

Biological activities of 4–fluoro estrogen analogues. Longcope C, et al. **J Steroid Biochem** 1983 Sep; 19(3):1325–8

Differentiation of the uterus in preparation for gestation: a model for the action of progesterone. Cummings AM, et al. **J Theor Biol** 1984 Feb 7;106(3):353–74 (68 ref.)

The inaccuracy of total uterine volume measurements: sources of error and a proposed solution. Kurtz AB, et al. **J Ultrasound Med** 1984 Jul;3(7):289–97

Total uterine volume: a new graph and its clinical applications. Kurtz AB, et al. **J Ultrasound Med** 1984 Jul; 3(7):299–308

The possible role of the pituitary gland and uterine tissue in the production system of 13,14–dihydroprostaglandin F2 alpha in rat ovary. Inazu N, et al. **Jpn J Pharmacol** 1984 Jun;35(2):87–93

Interaction of vasopressin and prostaglandins in the nonpregnant human uterus. Laudański T, et al. **Prostaglandins** 1984 Mar;27(3):441–52

Effect of exogenous gonadal steroids and pregnancy on uterine luminal prostaglandin F in mares. Zavy MT, et al. **Prostaglandins** 1984 Feb;27(2):311–20

Sex hormones and the motility of and prostaglandin output from, uterine horns of immature rats. Chaud M, et al. **Prostaglandins Leukotrienes Med** 1984 Jul;15(1):35–44

Utero–ovarian relationships in placental mammals: role of uterus and embryo in the regulation of progesterone secretion by the corpus luteum. A review. Levasseur MC. **Reprod Nutr Dev** 1983;23(5):793–816 (201 ref.)

Laparoscopy in post partum sows with special emphasis on the effects of uterine manipulation on the release of prostaglandin F2 alpha. Kunavongkrit A, et al. **Res Vet Sci** 1984 Jan;36(1):66–70

Kinetics of catechol estrogen–estrogen receptor dissociation: a possible factor underlying differences in catechol estrogen biological activity. Barnea ER, et al. **Steroids** 1983 May; 41(5):643–56

Estrogen effects on NADH oxidase and superoxide dismutase i prepubertal female rats. Rajan R, et al. **Steroids** 1982 Dec; 40(6):651–60

The role of ultrasound in female infertility management. Hackelöer BJ. **Ultrasound Med Biol** 1984 Jan–Feb; 10(1):35–50

[The effect of the rooming–in system on uterine involution] Sulc J, et al. **Cesk Gynekol** 1983 Dec;48(10):740–2 **(Cze)**

[Electromyographic activity of the uterus in the ewe during the sexual season: comparison of natural estrus and estrus induced by progestagens alone or with PMSG supplementation] Prud'Homme MJ, et al. **Reprod Nutr Dev** 1984;24(1):33–44 (Eng. Abstr.) **(Fre)**

[Involution of the uterus following vaginal or abdominal delivery] Meyenburg M, et al. **Z Geburtshilfe Perinatol** 1983 Jul–Aug;187(4):200–2 (Eng. Abstr.) **(Ger)**

[Hemostasis in the female reproductive organ] Małofiejew M. **Pol Tyg Lek** 1984 Mar 26;39(13):445–7 (Eng. Abstr.) **(Pol)**

[Immune status and uterine involution in the puerperium] Kintraia PIa, et al. **Akush Ginekol (Mosk)** 1983 Dec; (12):60–1 (Eng. Abstr.) **(Rus)**

[Effect of destruction of the corticomedial area of the amygdaloid body on the ovaries and uterus during their sympathetic and parasympathetic denervation] Tkachuk SS. **Fiziol Zh** 1983 Jul–Aug;29(4):467–70 **(Rus)**

[A perfusion device for the survival of isolated organs of the reproductive system] Gazarian KG, et al. **Med Tekh** 1983 Sep–Oct;(5):52–4 (Eng. Abstr.) **(Rus)**

[Diapedetic characteristics of the eosinophilic leukocytes in the uterus of white rats] Pol'shin VV, et al. **Probl Endokrinol (Mosk)** 1984 May–Jun;30(3):76–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Distribution analysis of intrauterine pressure in nonpregnant dysmenorrheic women. Smith RP. **Am J Obstet Gynecol** 1984 Jun 1;149(3):271–3

Membrane events involved in fusion of uterine epithelial cells in pseudopregnant rabbits. Winterhager E, et al. **Cell Tissue Res** 1984;235(2):357–63

Normalization of estradiol receptor kinetics and hormonal activity in uterus of streptozotocin–induced diabetic rats treated with insulin. Ekka E, et al. **Endocrinology** 1984 Jun; 114(6):2271–5

Intrauterine pressure analysis in nonpregnant dysmenorrheic women. Smith RP. **Med Instrum** 1984 Mar–Apr;18(2):137–9

[Pregnancy with persistent retroflexion in the 3d trimester. Partial retroflexion of the pregnant uterus] Gerdes J, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1051–2 (Eng. Abstr.) **(Dan)**

[Analysis of high risk factors in endometrial carcinoma—endocrine imbalances and dysfunctional uteri] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Apr;36(4):515–8 (Eng. Abstr.) **(Jpn)**

[Cellular growth of uterus, placenta and fetus during chronic maternal caloric restriction in rats] Araya J, et al. **Arch Latinoam Nutr** 1983 Dec;33(4):814–25 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

[Dynamic changes in the trypsin–inhibiting activity in cervical mucus, blood and in the histomorphological structure of the uterus in x–irradiated sheep] Molnárová M, et al. **Vet Med (Praha)** 1983 Oct;28(10):605–12 (Eng. Abstr.) **(Slo)**

SECRETION

Pregnancy associated protein pattern of rabbit uterine secretions. Saxena SK, et al. **Indian J Exp Biol** 1983 May; 21(5):242–6

Immunohistochemical study of the distribution of secretory component and IgA in the normal and diseased uterine mucosa. Arends JW, et al. **Int J Gynecol Pathol** 1983; 2(2):171–81

Effect of PGF–2 alpha on uterine activity, and concentrations of 13, 14–dihydro–15–keto–PGF–2 alpha in peripheral plasma during parturition in the tammar wallaby (Macropus eugenii). Shaw G. **J Reprod Fertil** 1983 Nov;69(2):429–36

Variations in the levels of secretory component in human uterine fluid during the menstrual cycle. Sullivan DA, et al. **J Steroid Biochem** 1984 Jan;20(1):509–13

Effect of oxytocin and estrogen on prostacyclin release from isolated uterus in ovariectomized rats. Kogo H, et al. **Jpn J Pharmacol** 1983 Oct;33(5):1107–10

Progesterone in vitro and the output of prostaglandin F from the uterus of ovariectomized rats. Priming or withdrawal? Gimeno AL, et al. **Prostaglandins Leukotrienes Med** 1984 May;14(2):289–96

Effect of using calcium–free Krebs' solution on basal and A23187–stimulated prostaglandin output from the Day 15 guinea–pig uterus superfused in vitro. Poyser NL. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):259–69

The physiological uterine secretion of rats and its activity in dispersing ovum cumulus cells in vitro. Meglioli–Bornand G. **Rev Esp Fisiol** 1983 Jun;39(2):117–22

[pH values in the lochial secretion of cattle and its reaction to parenteral and intra–uterine administration of 'uterotonic agents'] Pelz W, et al. **Arch Exp Veterinarmed** 1983 Jul; 37(4):609–16 (Eng. Abstr.) **(Ger)**

SURGERY

A rare case of absence of vagina with the presence of functioning uterus: surgical treatment. Jasonni VM, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):137–40

Impaired voiding efficiency and urinary retention after laparoscopic ventrosuspension ad modum steptoe. Lose G, et al. **Acta Obstet Gynecol Scand** 1984;63(4):371–2

Combined interstitial and intrauterine pregnancy: cornual resection in early pregnancy and cesarean delivery at term. Beckmann CR, et al. **Am J Obstet Gynecol** 1984 May 1; 149(1):83–5

Oxytocic drugs and anaesthesia. A controlled clinical trial of ergometrine, syntocinon and normal saline during evacuation of the uterus after spontaneous abortion. Beeby D, et al. **Anaesthesia** 1984 Aug;39(8):764–7

Surgical management of tubal obstruction at the uterotubal junction. Musich JR, et al. **Fertil Steril** 1983 Oct; 40(4):423–41

Surgical removal of intramural masses of the uterus in two cows. Lane VM, et al. **J Am Vet Med Assoc** 1984 Jul 15; 185(2):222

Adhesion prophylaxis in rabbits with Surgicel and two absorbable microsurgical sutures. Galan N, et al. **J Reprod Med** 1983 Oct;28(10):662–4

Macroscopic and histologic tissue reaction to polydioxanone, a new, synthetic, monofilament microsuture. Laufer N, et al. **J Reprod Med** 1984 May;29(5):307–10

Endocrine findings in rabbits after sterilization with electrocoagulation. Riedel HH, et al. **J Reprod Med** 1983 Oct;28(10):665–70

Comparative gross and histological study of the effects of scalpel, electric knife, and carbon dioxide laser on skin and uterine incisions in dogs. Montgomery TC, et al. **Lasers Surg Med** 1983;3(1):9–22

Effect of polyglycolic acid microsuture on rat uterine anastomoses. Lee S, et al. **Microsurgery** 1984;5(1):15–8

Replacement of prolapsed uterus in a sow [letter] Edwards BL. **Vet Rec** 1984 Jan 28;114(4):102

[ECG monitoring during intrauterine operation—analysis of 212 cases] Zhang RF. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Apr;19(2):100–1 **(Chi)**

[Uterine curettage under echographic control] Jeny R, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):444–5 (Eng. Abstr.) **(Fre)**

[Gynecologic surgery under local anesthesia with lidocaine and POR 8 (letter)] Dargent D, et al. **Presse Med** 1984 Jun 30;13(27):1699–700 **(Fre)**

[Animal experiments, morphologic and endocrinologic studies following various coagulation technics] Riedel HH, et al. **Zentralbl Gynakol** 1983;105(24):1568–84 (Eng. Abstr.) **(Ger)**

[Experimental microsurgery operations on the rat uterus] Baffoni A, et al. **Ann Osp Maria Vittoria Torino** 1982 Jul–Dec;25(7–12):184–95 (Eng. Abstr.) **(Ita)**

[Vesicovaginal fistulas] Vennesland O, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):870–1 (Eng. Abstr.) **(Nor)**

ULTRASTRUCTURE

Implantation in the rabbit: ultrastructural features of nuclei involved in symplasm formation. Segalen J, et al. **Acta Anat (Basel)** 1984;118(2):110–5

Electron microscopic analysis of the effect of progesterone upon the hormone–sensitive solitary cilia and centriolar complexes in the luminal epithelial cells of the uterus of the ovariectomized–adrenalectomized rat. Tachi S. **Am J Anat** 1984 Jan;169(1):45–58

Changes of the uterus epithelium proteins during the menstrual cycle and early pregnancy. Maltsev AV, et al. **Biol Res Pregnancy Perinatol** 1983;4(3):120–2

Copurification of prostaglandin F2 alpha receptors with rat uterine plasma membranes. Lintner F, et al. **Experientia** 1983 Oct 15;39(10):1102–3

Freeze–fracture cytochemistry with polymyxin B. A study on the plasma membrane of uterine epithelial cells. Murphy CR, et al. **Histochemistry** 1984;80(4):327–31

Ultrastructural effects of the nonsteroidal contraceptive centchroman on rat uterine luminal epithelium in early pregnancy. Mehrotra PK, et al. **Int J Fertil** 1984; 29(1):44–53

Ultrastructural study of minute uterine leiomyomas. Konishi I, et al. **Int J Gynecol Pathol** 1983;2(2):113–20

Relationships between intramembranous particles and surface coat carbohydrates in cells of a compact tissue. Murphy CR, et al. **J Cell Sci** 1983 Nov;64:123–36

A freeze–fracture study on the tissue cells of the rat uterus in the early postpartum stage. Inouye S, et al. **J Electron Microsc (Tokyo)** 1983;32(2):152–62

Changes in nuclear translocation of estradiol–receptor complex in anterior pituitary and uterus of rats with streptozotocin diabetes. Weisenberg L, et al. **J Steroid Biochem** 1983 Dec;19(6):1737–41

Morphological changes characteristic of pregnancy in the uterine luminal epithelium during the preimplantation period in the mouse. Inamoto M, et al. **Okajimas Folia Anat Jpn** 1983 Aug;60(2–3):87–123

Scanning electron microscopic study of hedgehog uteri. Lescoat D, et al. **Tissue Cell** 1984;16(2):195–202

UTILITARIANISM see **ETHICS**

UTILIZATION REVIEW

Restructuring the financing of health care: more stringent regulation of utilization. Vladeck BC. **Bull NY Acad Med** 1984 Jan–Feb;60(1):89–97

Limited usefulness of the proportion of tests with normal results in review of diagnostic services utilization. Eisenberg JM, et al. **Clin Chem** 1983 Dec;29(12):2111–3

A comparative analysis of appropriateness of hospital use. Restuccia JD, et al. **Health Aff (Millwood)** 1984 Summer; 3(2):130–8

Business spurs UR growth. Hospitals are coming under increased scrutiny from outside utilization review. Richards G. **Hospitals** 1984 Mar 1;58(5):96, 98–100

Preadmission review cuts hospital use. Shahoda T. **Hospitals** 1984 Aug 1;58(15):54–5

Blue Cross and Blue Shield of Michigan hospital laboratory

on-site review project. DesHarnais S, et al. **Inquiry** 1983 Winter;20(4):328–33
DRG committee helps UR and QA efforts. Moody-Williams JD. **QRB** 1984 Mar;10(3):89–90
Organizing QA and UR activities under a DRG-based system. O'Brien JR. **QRB** 1983 Sep;9(9):276–7
Payment source as a variable in utilization research: a selected literature review. Studnicki J, et al. **QRB** 1983 Sep; 9(9):258–66 (55 ref.)
Maximizing UR and QA resources through innovative models of practice. Zoebelein E. **QRB** 1984 Aug; 10(8):253–5
Searching for the bottom line via review. Lange M. **Tex Med** 1983 Oct;79(10):64–5
A rational approach to diagnostic radiology. Racoveanu NT. **WHO Chron** 1983;37(4):140–2

METHODS

Utilization review based on practitioner profiles. Mullin RL. **J Med Syst** 1983 Oct;7(5):409–12
Utilization and quality review under the prospective rate system. Grimaldi PL, et al. **QRB** 1984 Feb;10(2):30–7

UTOPIAS

[Health issues in the work of Czech Utopians] Bouček K. **Cas Lek Cesk** 1983 Oct 7;122(40):1217–20 **(Cze)**
[Psychotherapy in general medicine—a social utopia?] Viefhues H. **Psychother Psychosom Med Psychol** 1984 Jun; 34(6):128–33 (Eng. Abstr.) **(Ger)**

UTRICLE see **SACCULE AND UTRICLE**

UVEA

ABNORMALITIES

Uveal colobomas and Klinefelter's syndrome [letter] Epstein RJ, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):241–3
Congenital ectropion uveae with glaucoma. Ritch R, et al. **Ophthalmology** 1984 Apr;91(4):326–31

ANATOMY & HISTOLOGY

Aqueous outflow in the beagle. I. Postnatal morphologic development of the iridocorneal angle: pectinate ligament and uveal trabecular meshwork. Samuelson DA, et al. **Curr Eye Res** 1984 Jun;3(6):783–94

BLOOD SUPPLY

[Diabetic uveopathy] Morone G, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:343–7 **(Fre)**
[Permeability of rabbit uveal vessels following filtering surgery. 2. Effect of anti-inflammatory drugs] Tsuchisaka H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):661–5 (Eng. Abstr.) **(Jpn)**
[Functional mechanisms of pathologic changes in the retina in incipient open-angle glaucoma] Fedorov SN, et al. **Oftalmol Zh** 1984;(2):66–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The synthesis of cyclooxygenase products in ocular tissues of various species. Kulkarni PS, et al. **Curr Eye Res** 1984 Mar;3(3):447–52

INNERVATION

Sensory supply of the anterior uvea: a light and electron microscope study. Lehtosalo JI, et al. **Exp Brain Res** 1984; 55(3):562–9

METABOLISM

The liver-like anion transport system in the rabbit uvea does not eliminate iodipamide from the eye. Bárány E. **Acta Physiol Scand** 1983;119(2):177–80
Human anterior uvea synthesizes lipoxygenase products from arachidonic acid. Kulkarni PS, et al. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):221–3
Neuropeptide Y-immunoreactive nerves in the uvea of guinea pig and rat. Terenghi G, et al. **Neurosci Lett** 1983 Nov 21;42(1):33–8
[The effect of instilled eserine on the bovine uvea and retina] Kováčik L, et al. **Cesk Oftalmol** 1983 Sep;39(5):305–8 (Eng. Abstr.) **(Slo)**
[The effect of instilled pilocarpine on the bovine uvea and retina] Kováčik L, et al. **Cesk Oftalmol** 1983 Sep; 39(5):297–304 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Endothelial cell loss in herpes zoster keratouveitis. Reijo A, et al. **Br J Ophthalmol** 1983 Nov;67(11):751–4

UVEAL DISEASES

CHEMICALLY INDUCED

Tapetal changes in beagle dogs. II. Ocular changes after intravenous administration of a macrolide antibiotic—rosaramicin. Massa T, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):195–200
Tapetal changes in beagle dogs. I. Ocular changes after oral administration of a beta-adrenergic blocking agent—SCH 19927. Schiavo DM, et al. **Toxicol Appl Pharmacol** 1984 Feb;72(2):187–94

COMPLICATIONS

A case of heterochromia fundi with melanosis oculi. Schafter JD, et al. **J Am Optom Assoc** 1984 May;55(5):353–4

DIAGNOSIS

Idiopathic cysts of the anterior uvea. Semes LP, et al. **Am J Optom Physiol Opt** 1984 May;61(5):327–33
Gyrate atrophy of the choroid and retina: decreased ornithine aminotransferase concentration in cultured skin fibroblasts from patients. Ohura T, et al. **Clin Chim Acta** 1984 Jan 16;136(1):29–37
Choroidal ischemia. Bird AC. **Trans New Orleans Acad Ophthalmol** 1983;:299–306
The choroid: its function, evaluation, and surgical management. Coleman DJ, et al. **Trans New Orleans Acad Ophthalmol** 1983;:1–24
[Clinical manifestations of the ciliary ganglion syndrome] Vints LA. **Voen Med Zh** 1983 Nov;(11):64–5 **(Rus)**

DRUG THERAPY

[Rational antibiotic therapy in the conservative treatment of experimental suppurative inflammatory processes of the vascular tract of the eye] Professora MI, et al. **Vestn Oftalmol** 1984 Jul-Aug;(4):42–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Fireworks burn of choroid and retina [letter] Klein RM, et al. **Am J Ophthalmol** 1984 May;97(5):643–5
Septic choroidal effusion after scleral buckling operation. Ho PC, et al. **Ann Ophthalmol** 1984 Feb;16(2):170–2
Correlation between retinal pigment epitheliitis and central serous chorioretinopathy. Piermarocchi S, et al. **Ann Ophthalmol** 1983 May;15(5):425–8
Ciliary and retinal changes in myotonic dystrophy. Hayasaka S, et al. **Arch Ophthalmol** 1984 Jan;102(1):88–93
Post operative cilio-choroidal detachment. Rao V, et al. **Indian J Ophthalmol** 1983 May;31(3):242–4
Choroidal detachment (a clinico-aetiopathological study). Saxena RC, et al. **Indian J Ophthalmol** 1983 May; 31(3):238–41
Recurrent intraoperative choroidal effusion in Sturge-Weber syndrome. Shihab ZM, et al. **J Pediatr Ophthalmol Strabismus** 1983 Nov-Dec; 20(6):250–2
Uveal effusion syndrome. A new hypothesis concerning pathogenesis and technique of surgical treatment. Gass JD. **Retina** 1983;3(3):159–63
[Extensive arterial and choroidal occlusions in disseminated lupus erythematosus] Castier P, et al. **Bull Soc Ophtalmol Fr** 1983 Jun-Jul;83(6-7):787–90 (Eng. Abstr.) **(Fre)**
[Acute chorio-vascular occlusion secondary to postpartum hypovolemic shock] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1983 Jun-Jul;83(6-7):791–4 (Eng. Abstr.) **(Fre)**
[Changes in the anterior segment of the contralateral eye in patients with retinal detachment in aphakia] Zachwatowicz B, et al. **Klin Oczna** 1984 Jan;86(1):31–3 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

The heredity and treatment of angle-closure glaucoma secondary to iris and ciliary body cysts. Vela A, et al. **Ophthalmology** 1984 Apr;91(4):332–7

IMMUNOLOGY

[Immune complexes in experimental autoimmune uveo-retinitis] Sakai J. **Nippon Ganka Gakkai Zasshi** 1983; 87(11):1288–99 (Eng. Abstr.) **(Jpn)**

METABOLISM

Foveal densitometry in central serous choroidopathy. van Meel GJ, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):359–68
Metabolic studies on retinal tissue from a donor with a dominantly inherited chorioretinal degeneration resembling sectoral retinitis pigmentosa. Hollyfield JG, et al. **Ophthalmology** 1984 Feb;91(2):191–6

MICROBIOLOGY

[Mediterranean spotted fever: apropos of the physiopathology of uveal manifestations] Bloch-Michel E, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:566–70 **(Fre)**

PATHOLOGY

Histopathology of ocular changes in chronic granulomatous disease [letter] Rodrigues MM, et al. **Am J Ophthalmol** 1983 Dec;96(6):810–2
Idiopathic solitary granuloma of the uveal tract. Margo C, et al. **Arch Ophthalmol** 1984 May;102(5):732–5
Choroidal microvascular repair after argon laser photocoagulation. Ultrastructural observations. Perry DD, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1019–26
Pseudoexfoliation: epidemiology, clinical and scanning electron microscopic study. Meyer E, et al. **Ophthalmologica** 1984;188(3):141–7

RADIOGRAPHY

Computed tomography in choroidal detachment. Peyman GA, et al. **Ophthalmology** 1984 Feb;91(2):156–62

UVEAL NEOPLASMS

Iris melanocytoma with secondary glaucoma. Nakazawa M, et al. **Am J Ophthalmol** 1984 Jun;97(6):797–9
[Bilateral uveal melanomas] Brovkina AF, et al. **Vestn Oftalmol** 1984 Mar-Apr;(2):31–3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Modifications of Callender's classification of uveal melanoma at the Armed Forces Institute of Pathology. McLean IW, et al. **Am J Ophthalmol** 1983 Oct;96(4):502–9

COMPLICATIONS

The familial occurrence of cutaneous melanoma, intraocular melanoma, and the dysplastic nevus syndrome [letter] Rodriguez-Sains RS. **Am J Ophthalmol** 1984 Jan; 97(1):114–7
Iris hamartomas (Lisch nodules) in a case of segmental neurofibromatosis. Weleber RG, et al. **Am J Ophthalmol** 1983 Dec;96(6):740–3

DIAGNOSIS

The persisting pseudomelanoma problem. Chang M, et al. **Arch Ophthalmol** 1984 May;102(5):726–7
[Granulocytic sarcoma (chloroma) of the uvea] Dhermy P, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):621–5 **(Fre)**
[Diagnosis of uveal melanoma. Contribution of echography and the 32P test] Bosco F, et al. **Recenti Prog Med** 1984 Jan;75(1):66–91 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Neovascular glaucoma after photoradiation therapy for uveal melanoma. Lewis RA, et al. **Arch Ophthalmol** 1984 Jun; 102(6):839–42
Photoradiation of rabbit ocular malignant melanoma sensitized with hematoporphyrin derivative. Sery TW, et al. **Curr Eye Res** 1984 Apr;3(4):519–28

IMMUNOLOGY

Ocular involvement by a peripheral T-cell lymphoma. Saga T, et al. **Arch Ophthalmol** 1984 Mar;102(3):399–402
Thymus-derived lymphocyte enumeration in patients with uveal malignant melanoma. Felberg NT, et al. **Br J Ophthalmol** 1984 Jul;68(7):486–8
Suppressed cellular immunity in mice harboring intraocular melanomas. Niederkorn JY. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):447–54

MORTALITY

Malignant melanoma of the choroid and ciliary body in black patients. Margo CE, et al. **Arch Ophthalmol** 1984 Jan; 102(1):77–9
A deficit survival analysis to assess the natural history of uveal melanoma. Lavin PT, et al. **J Chronic Dis** 1984; 37(6):481–7

OCCURRENCE

Malignant melanoma of the choroid and the ciliary body 1956–1975 in Halland and Gothenburg. Incidence, histopathology and prognosis. Abrahamsson M. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):600–10

PATHOLOGY

Malignant melanoma of the iris after 30 years. Montgomery D, et al. **Ann Ophthalmol** 1983 May;15(5):458–62, 66–8
Glioneuroma of iris and ciliary body. Addison DJ, et al. **Arch Ophthalmol** 1984 Mar;102(3):419–21
Resection of solitary metastasis. Approach to palliative treatment of hepatic involvement with choroidal melanoma. Fournier GA, et al. **Arch Ophthalmol** 1984 Jan; 102(1):80–2
Helium ion charged-particle therapy for choroidal melanoma. Histopathologic findings in a successfully treated case. Grizzard WS, et al. **Arch Ophthalmol** 1984 Apr;102(4):576–8
Adenocarcinoma of the ciliary body pigment epithelium in a child. Papale JJ, et al. **Arch Ophthalmol** 1984 Jan; 102(1):100–3
A prognostic factor study of disease-free interval and survival following enucleation for uveal melanoma. Seddon JM, et al. **Arch Ophthalmol** 1983 Dec;101(12):1894–9
Uveal melanoma: case report of extension through the optic nerve to the surgical margin in the orbital apex. Chess J, et al. **Br J Ophthalmol** 1984 Apr;68(4):272–5
Neurilemmoma of the ciliary body [letter] Midena E. **Br J Ophthalmol** 1984 Apr;68(4):289
Bilateral ovarian carcinoma with bilateral uveal melanoma. Mullaney J, et al. **Br J Ophthalmol** 1984 Apr;68(4):261–7
Modern developments in histopathologic assessment of uveal melanomas. Gamel JW, et al. **Ophthalmology** 1984 Jun;

91(6):679–84
Adenoma of the nonpigmented epithelium of the ciliary body. Shields JA, et al. **Ophthalmology** 1983 Dec;90(12):1528–30
[Natural history of an angioma of the pupil] Pournaras C, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):817–22 **(Fre)**
[Displacement of the iris root: a frequent sign of the anterior spread of a tumor of the ciliary body] Brini A, et al. **J Fr Ophtalmol** 1983;6(5):521–5 (Eng. Abstr.) **(Fre)**
[Prognostic role of morphological characteristics of the immune response in uveal melanoblastomas of various cellular types] Vit VV. **Arkh Patol** 1983;45(7):25–30 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Computerized histopathologic assessment of malignant potential. III. Refinements of measurement and data analysis. Gamel JW, et al. **Anal Quant Cytol** 1984 Mar; 6(1):37–44

RADIONUCLIDE IMAGING

[Evaluation of pigmentary intraocular tumors and the extent of the neoplastic process using Cr–51– and Co–57–labeled bleomycin] Krawczykowa Z, et al. **Klin Oczna** 1983 Jun; 85(6):245–7 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

The treatment of ciliary body melanoma by beta radiation. Foerster MH, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 1):64–7
[Case of malignant lymphoma originating at the breast, infiltrating the brain and uvea, and successfully treated with radiotherapy] Suzuka T, et al. **Rinsho Ketsueki** 1983 Feb; 24(2):163–8 (Eng. Abstr.) **(Jpn)**

SECONDARY

Metastatic carcinoma of the iris simulating iridocyclitis. Woog JJ, et al. **Br J Ophthalmol** 1984 Mar;68(3):167–73
Metastatic carcinoma of the iris and ciliary body simulating iridocyclitis. Takahashi T, et al. **Ophthalmologica** 1984; 188(4):266–72
Metastatic carcinoma to the iris. Diagnosis by aqueous paracentesis and response to irradiation and chemotherapy. Scholz R, et al. **Ophthalmology** 1983 Dec;90(12):1524–7
Do growth and onset of symptoms of uveal melanomas indicate subclinical metastasis? Zimmerman LE, et al. **Ophthalmology** 1984 Jun;91(6):685–91
[Iris metastasis of a malignant sympathoblastoma in a newborn infant] Arné JL, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):345–6 **(Fre)**

SURGERY

Results of penetrating keratoplasty in the iridocorneal endothelial syndrome. Buxton JN, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):297–301
[Combined treatment of leiomyoma of the iris] Iwaszkiewicz–Bilikiewiczowa B, et al. **Klin Oczna** 1983 Oct;85(10):363–5 (Eng. Abstr.) **(Pol)**
[Quantitative changes in the DNA of uveal melanoblastomas with different morphologic structures following tumor exposure to coagulating levels of photic energy] Vit VV. **Oftalmol Zh** 1983;38(4):213–7 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment of uveal melanoma] Tarkkanen A, et al. **Duodecim** 1984;100(12):707–11 **(Fin)**
[Therapeutic attitudes to malignant melanomas of the anterior uvea. Apropos of 4 recent cases] Vignat JP, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):971–5 **(Fre)**
[Round table discussion: Treatment of uveal melanoma] Blodi FC, et al. **Fortschr Ophthalmol** 1983;80(6):443–7 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Medulloepithelioma diagnosed by ultrasound and vitreous aspirate. Electron microscopic observations. Orellana J, et al. **Ophthalmology** 1983 Dec;90(12):1531–9
Hamartomatous adenoma of the nonpigmented ciliary epithelium arising in iris–ciliary body coloboma. Light and electron microscopic observations. Patrinely JR, et al. **Ophthalmology** 1983 Dec;90(12):1540–7

VETERINARY

Primary ocular melanoma in dogs. Diters RW, et al. **Vet Pathol** 1983 Jul;20(4):379–95

UVEITIS

Abstracts: the First International Symposium on Uveitis. Espoo, Finland, May 16–19, 1984. **Acta Ophthalmol [Suppl] (Copenh)** 1984;163:29–115
Difficulties in the knowledge of uveitis. Bloch–Michel E. **Acta Ophthalmol [Suppl] (Copenh)** 1984;163:14–20
The International Uveitis Study Group. Saari KM. **Acta Ophthalmol [Suppl] (Copenh)** 1984;163:21–8

BLOOD

Immunoassay of serum alpha–1 antitrypsin level in uveitis. Gupta AK, et al. **Br J Ophthalmol** 1984 Apr;68(4):242–4
[Investigation of interferon system in sarcoidosis] Ohno S, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1050–6 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

[Determination of ethylene oxide in gas–sterilized lenses—a possible cause of inflammatory reactions following intraocular lens implantation?] Scheiffarth OF, et al. **Fortschr Ophthalmol** 1984;81(2):140–2 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Uveitis complicating autoimmune chronic active hepatitis. Bloom JN, et al. **Am J Dis Child** 1983 Dec;137(12):1175–6
Uveitis in B27–related disease. Perkins ES. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 92–5
Glaucomatocyclitic crisis. Malinovsky VE. **J Am Optom Assoc** 1983 Dec;54(12):1069–70
Transient retinal striae. Grimson BS, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):157–62
[Vasculoproliferative retinal capillaropathy and pars planitis. Presentation of 3 cases] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):269–75 (Eng. Abstr.) **(Fre)**
[Preretinal neovessels in toxoplasmic uveitis] Gaudric A, et al. **J Fr Ophtalmol** 1983;6(5):481–6 (Eng. Abstr.) **(Fre)**
[Vitreous body hemorrhage in intermediary uveitis] Slezak H. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):211–2 (Eng. Abstr.) **(Ger)**
[Role of prostaglandins E in cataract associated with uveitis] Hashi H. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1415–21 (Eng. Abstr.) **(Jpn)**
[A case of uveitis associated with tubulointerstitial nephritis] Morino M, et al. **Nippon Jinzo Gakkai Shi** 1983 Aug; 25(8):1027–34 (Eng. Abstr.) **(Jpn)**
[Case of acute interstitial nephritis with bone marrow granulomas and uveitis (Dobrin's syndrome)] Iida H, et al. **Nippon Naika Gakkai Zasshi** 1983 Oct;72(10):1414–9 **(Jpn)**
[Vogt–Koyanagi syndrome. Report of a case in a pregnant woman] Wittig EO, et al. **Arq Neuropsiquiatr** 1983 Dec; 41(4):385–90 (Eng. Abstr.) **(Por)**
[Can anterior hyaloid rupture after uncomplicated extraction of the intracapsular crystalline lens be the result of torpid uveitis?] Segal N. **Rev Chir [Oftalmol]** 1983 Apr–Jun; 27(2):133–7 (Eng. Abstr.) **(Rum)**
[Hypertensive uveitis. I. Acute hypertensive iridocyclitis] Vasinca M, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep; 27(3):195–7 (Eng. Abstr.) **(Rum)**
[Hypertensive uveitis. II. Glaucomatocyclitis crises (Posner–Schlossmann syndrome)] Vasinca M, et al. **Rev Chir [Oftalmol]** 1983 Oct–Dec;27(4):257–9 (Eng. Abstr.) **(Rum)**
[Information on the etiology of disability in uveitis] Zaĭtseva NS, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):43–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Progressive subretinal fibrosis and uveitis. Palestine AG, et al. **Br J Ophthalmol** 1984 Sep;68(9):667–73
Uveitis and perivenous sheathing. Sanders MD. **Bull Soc Belge Ophtalmol** 1983 Nov;208:155–8
Acute retinal necrosis (Kirisawa's uveitis). Saga U, et al. **Jpn J Ophthalmol** 1983;27(2):353–61
[2 new cases of Harada's disease] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):225–8 (Eng. Abstr.) **(Fre)**
[Clinical and therapeutic aspects of neuro–uveitis] Stanojević–Paović A, et al. **Fortschr Ophthalmol** 1983; 80(5):374–7 (Eng. Abstr.) **(Ger)**
[Clinical aspect of uveitis] Urayama A, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):22–51 (109 ref.) (Eng. Abstr.) **(Jpn)**
[Clinical aspects and treatment of rheumatoid uveitis in children] Sushkova NI, et al. **Pediatriia** 1983 Nov; (11):39–41 **(Rus)**
[Diagnostic value of the Mantoux test and immunological tests in ocular tuberculosis] Gontuar NS, et al. **Probl Tuberk** 1983 Dec;(12):61–3 **(Rus)**
[Vogt–Koyanagi–Harada syndrome in an infant] Campistol J, et al. **Arch Neurobiol (Madr)** 1983 Mar–Apr;46(2):127–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Improvement of uveitis and optic nerve disease by cyclosporine in a patient with multiple sclerosis. Nussenblatt RB, et al. **Am J Ophthalmol** 1984 Jun; 97(6):790–1
Posttraumatic endophthalmitis. Brinton GS, et al. **Arch Ophthalmol** 1984 Apr;102(4):547–50
Topical treatment of experimental herpes simplex keratouveitis with 2'–O–glycylacyclovir. A water–soluble ester of acyclovir. Maudgal PC, et al. **Arch Ophthalmol** 1984 Jan;102(1):140–2
A comparison of topical acyclovir with steroids in the treatment of herpes zoster keratouveitis. McGill J, et al. **Br J Ophthalmol** 1983 Nov;67(11):746–50
Immunomodulating properties and tissue distribution of aromatic retinoids in the immunologically responsive albino rabbit eye. Bialasiewicz AA, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(6):268–72
Corticosteroids and uveitis (letter). Barton LL. **Hosp Pract** 1983 Nov;18(11):23
Berberine: an indigenous drug in experimental herpetic uveitis. Mohan M, et al. **Indian J Ophthalmol** 1983 Mar; 31(2):65–8
The use of immunosuppressive agents in diseases of the eye. O'Connor GR. **Trans New Orleans Acad Ophthalmol** 1983; :378–81
[Acyclovir and trifluorothymidine in herpetic kerato–uveitis. A comparative clinical study. Indications for corticoid therapy] Hoang–Xuan T, et al. **J Fr Ophtalmol** 1984; 7(2):125–31 (Eng. Abstr.) **(Fre)**
[Long–term anti–inflammatory treatment of chronic uveitis in children and adults. Necessity and adverse effects] Martenet AC. **Ther Umsch** 1984 Apr;41(4):266–70 (Eng. Abstr.) **(Fre)**
[High–dosage combination antibiotic treatment in severe therapy–resistant uveitis and necrotizing (chorio)retinitis] Fricke HJ, et al. **Klin Monatsbl Augenheilkd** 1983 Sep; 183(3):173–9 (Eng. Abstr.) **(Ger)**
[Indomethacin treatment in 3 cases of chronic and complicated Harada's disease] Tsurimaki Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):70–5 (Eng. Abstr.) **(Jpn)**
[Experimental basis for using dimexide phonophoresis in uveitis] Abashina NN. **Oftalmol Zh** 1983;38(4):233–6 (Eng. Abstr.) **(Rus)**
[The immunosuppressant ftorafur in the complex treatment of severe forms of uveitis] Shpak NI, et al. **Oftalmol Zh** 1983;38(6):352–4 (Eng. Abstr.) **(Rus)**
[Experimental study of the efficacy of ftorafur phonophoresis in simulated allergic uveitis] Smaliukh NV. **Oftalmol Zh** 1983;(7):397–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Ecto 5'–nucleotidase activity in lymphocytes in cases of uveitis. Uusitalo RJ, et al. **Acta Ophthalmol (Copenh)** 1983 Jun;61(3):362–72
Decreased ecto–5'–nucleotidase activity in rabbit lymphocytes during experimental lens–induced uveitis. Uusitalo H, et al. **Curr Eye Res** 1984 Mar;3(3):407–15

ETIOLOGY

Aphakia: uveitis and extended wear contact lenses. Paullisky CJ, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):289–90
Seasonal hyperacute panuveitis of unknown etiology. Upadhyay MP, et al. **Ann Ophthalmol** 1984 Jan;16(1):38–44
Experimental uveitis. Elicited by peptidoglycan–polysaccharide complexes, lipopolysaccharide, and muramyl dipeptide. Fox A, et al. **Arch Ophthalmol** 1984 Jul;102(7):1063–7
Bacterial contamination of intraocular lens surgery. Vafidis GC, et al. **Br J Ophthalmol** 1984 Aug;68(8):520–3
Uveitis due to secondary syphilis. Tait IA. **Br J Vener Dis** 1983 Dec;59(6):397–401
Chronic campylobacter colitis and uveitis in patient with hypogammaglobulinaemia. Lever AM, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):531
Ocular presentation of sarcoidosis in children. Kataria S, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):793–7
Superoxide anion radical as an indirect mediator in ocular inflammatory disease. Sery TW, et al. **Curr Eye Res** 1984 Jan;3(1):243–52
Uveitis occurring after colectomy and ileal–rectal sleeve anastomosis for ulcerative colitis. Baiocco PJ, et al. **Dig Dis Sci** 1984 Jun;29(6):570–2
UGH syndrome with the 91Z lens [letter] Beehler CC. **J Am Intraocul Implant Soc** 1983 Fall;9(4):459
Complications while removing the IOLAB 91Z lens for the UGH–UGH+ syndrome. Hagan JC 3d. **J Am Intraocul Implant Soc** 1984 Spring;10(2):209–13
Five cases of severe anterior chamber lens implant complications. Maynor RC Jr. **J Am Intraocul Implant Soc** 1984 Spring;10(2):223–4
The aetiological pattern of uveitis in Otago and Southland. Molteno AC, et al. **Trans Ophthalmol Soc NZ** 1984;36:40–4
Uveitis. A review. Lowder CY, et al. **West J Med** 1984 Mar; 140(3):421–32 (95 ref.)
[Uveitis in the child] Le Hoang P, et al. **Ann Pediatr (Paris)** 1983 Sep;30(7):477–82 (Eng. Abstr.) **(Fre)**
[Phacoanaphylactic uveitis. Apropos of a case] Wade A, et al. **Dakar Med** 1983;28(2):351–4 (Eng. Abstr.) **(Fre)**
[Fuchs heterochromic cyclitis: current concepts] Bloch–Michel E. **J Fr Ophtalmol** 1983;6(10):853–8 (24 ref.) (Eng. Abstr.) **(Fre)**
[A case of sympathetic uveitis in a patient with an immunologic disorder] Smoleńska–Janicowa D, et al. **Klin Oczna** 1983 Jul;85(7):285–6 (Eng. Abstr.) **(Pol)**
[Hypertensive uveitis. III. Clinical forms] Vasinca M, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):109–12 **(Rum)**
[Etiological study of uveitis in young children] Vlasova LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 May; (5):79–82 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial pars planitis. Culbertson WW, et al. **Retina** 1983;

3(3):179–81

IMMUNOLOGY

T-lymphocyte subsets in the aqueous humor and peripheral blood of patients with acute untreated uveitis. Toledo de Abreu M, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):62–5

Immunologic analysis of intraocular mononuclear cell infiltrates in uveitis. Kaplan HJ, et al. **Arch Ophthalmol** 1984 Apr;102(4):572–5

Longitudinal study of serum antibody responses to bovine retinal S-antigen in endogenous granulomatous uveitis. Abrahams IW, et al. **Br J Ophthalmol** 1983 Oct; 67(10):681–4

Status of hepatitis B virus in the aetiology of uveitis in Great Britain. Murray PI, et al. **Br J Ophthalmol** 1983 Oct; 67(10):685–7

Local production of Ia-inducing activity in experimental immunogenic uveitis. Donnelly JJ, et al. **Cell Immunol** 1984 Jul;86(2):557–61

Long-term antigen specific and non-specific T-cell lines and clones in uveitis. Nussenblatt RB, et al. **Curr Eye Res** 1984 Feb;3(2):299–305

Effects of anti-idiotypic immunizations on autoimmune uveitis induced with isologous lens proteins. Sunakawa M, et al. **Int Arch Allergy Appl Immunol** 1984;73(1):71–6

Cyclosporine-induced alterations of humoral response in experimental autoimmune uveitis. Chan CC, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):867–70

An association between susceptibility to experimental autoimmune uveitis and choroidal mast cell numbers. Mochizuki M, et al. **J Immunol** 1984 Oct;133(4):1699–701

Pharmacological modulation of IgE-dependent mast cell degranulation in experimental autoimmune uveoretinitis. de Kozak Y, et al. **Jpn J Ophthalmol** 1983;27(4):598–608

Two distinct cytotoxic T lymphocyte subpopulations in patients with Vogt-Koyanagi-Harada disease that recognize human melanoma cells. Maezawa N, et al. **Microbiol Immunol** 1984;28(2):219–31

Immunologic insights into uveitis and retinitis: the immunoregulatory circuit. Kaplan HJ, et al. **Ophthalmology** 1984 Jun;91(6):655–65

Clinical relevance of S-antigen induced experimental uveoretinitis. Forrester JV, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):497–502

[Determination of immunological changes in uveitis] Wu LX. **Chung Hua Yen Ko Tsa Chih** 1983 Jul;19(4):226–7 (Chi)

[Circulating immune complexes in uveitis] Radda TM, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):211–2 (Eng. Abstr.) (Ger)

[Delayed skin reactivity of patients with endogenous uveitis] Hirose S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb; 88(2):247–50 (Eng. Abstr.) (Jpn)

[Surface marker studies on the peripheral blood lymphocytes of Vogt-Koyanagi-Harada's disease] Okubo K, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1250–6 (Eng. Abstr.) (Jpn)

[Clinical and laboratory study of humoral and cell-mediated autoimmunity in uveitis] Voiculescu C, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep;27(3):173–9 (Eng. Abstr.) (Rum)

[Specific and nonspecific immunologic reactivity among children with uveitis] Krichevskaia GI, et al. **Oftalmol Zh** 1983;38(5):288–92 (Eng. Abstr.) (Rus)

[Autoallergy in uveal and retinal diseases] Slepova OS, et al. **Vestn Oftalmol** 1984 Jan–Feb;(1):59–65 (60 ref.) (Rus)

[Autoantibodies in patients with uveitis of various etiologies] Teplinskaia LE, et al. **Vestn Oftalmol** 1984 Mar–Apr; (2):40–3 (Eng. Abstr.) (Rus)

METABOLISM

[Synthesis of prostaglandins in uveitis] Fujiwara H. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1084–9 (Eng. Abstr.) (Jpn)

MICROBIOLOGY

Isolation of Chlamydia trachomatis from prostatic fluid in association with inflammatory joint or eye disease. Goh BT, et al. **Br J Vener Dis** 1983 Dec;59(6):373–5

[Role of enteroviruses in the etiology of uveitis in children] Zaitseva NS, et al. **Vestn Oftalmol** 1984 May–Jun;(3):50–3 (Eng. Abstr.) (Rus)

OCCURRENCE

Geography and race in uveitis. The second Elizabeth Cass memorial lecture. Schlaegel TF Jr. **Acta Ophthalmol [Suppl] (Copenh)** 1984;165:50–62

Uveitis in London and Iowa. Perkins ES, et al. **Ophthalmologica** 1984;189(1–2):36–40

PATHOLOGY

An experimental uveitis induced by bovine serum albumin. A transmission and scanning electron microscopic study. Uusitalo H. **Acta Ophthalmol (Copenh)** 1984 Jun; 62(3):413–24

Involvement of the pineal gland in rats with experimental autoimmune uveitis. Mochizuki M, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1333–8

[Effects of anterior segment inflammation on the corneal endothelium. Morphometric study with panoramic photography and cell shape analysis] Okubo A, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1233–41 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Factors related to the initiation and recurrence of uveitis. XL Edward Jackson memorial lecture. O'Connor GR. **Am J Ophthalmol** 1983 Nov;96(5):577–99 (82 ref.)

The pathophysiology of the ocular microenvironment. I. Preliminary report on the possible involvement of copper in ocular inflammation. McGahan MC, et al. **Curr Eye Res** 1982–83;2(12):883–5

[Hypotonia cilioretinal detachment-uveitis syndrome. Apropos of 2 cases] Malan P, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):335–7 (Fre)

[Changes in the electroretinogram in uveitis] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Feb;83(2):235–7 (Eng. Abstr.) (Fre)

[Retinal pigment epithelial function in Harada's disease—the hyperosmolarity response of the ocular standing potential] Madachi-Yamamoto S. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):789–94 (Eng. Abstr.) (Jpn)

[Effect of complications on the results of surgical treatment of retinal detachment] Swietliczko I, et al. **Klin Oczna** 1983 May;85(5):211–2 (Eng. Abstr.) (Pol)

SURGERY

[Resolving effect of vitrectomy in chronic inflammations of the posterior segment] Urrets-Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1983;95:367–71 (Fre)

[Importance of vitrectomy in the treatment of posterior uveitis] Leuenberger PM. **Klin Monatsbl Augenheilkd** 1984 May;184(5):445–8 (Eng. Abstr.) (Fre)

THERAPY

Therapeutic effects of short-term plasma exchange in endogenous uveitis [letter] Reifler DM. **Am J Ophthalmol** 1984 Sep 15;98(3):383–4

Therapeutic effects of short-term plasma exchange in endogenous uveitis. Wizemann AJ, et al. **Am J Ophthalmol** 1984 May;97(5):565–72

Lensectomy-vitrectomy in chronic uveitis. Smith RE, et al. **Trans Am Ophthalmol Soc** 1983;81:261–75

[Value of plasma exchange in the treatment of uveitis. 5 cases (letter)] Despax R, et al. **Presse Med** 1984 Jun 23; 13(26):1633 (Fre)

[Clinical course and treatment of peripheral uveitis] Ogino N, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):284–9 (Eng. Abstr.) (Jpn)

UVEOMENINGOENCEPHALITIC SYNDROME see under **UVEITIS**

UVEOPAROTID FEVER see under **SARCOIDOSIS**

UVULA

Respiratory obstruction from uvular edema in a pediatric patient. Haselby KA, et al. **Anesth Analg** 1983 Dec; 62(12):1127–8

Uvulitis in children. Kotloff KL, et al. **Pediatr Infect Dis** 1983 Sep–Oct;2(5):392–3

Uvular edema and erythema [letter] Schwartz R. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):187

ABNORMALITIES

[An ancestral method to prevent the sudden infant death syndrome (letter)] Harpey JP. **Arch Fr Pediatr** 1983 Oct; 40(8):672 (Fre)

PATHOLOGY

Uvulonodular lesion and eye-head coordination in squirrel monkeys. Igarashi M, et al. **Adv Otorhinolaryngol** 1983; 31:18–27

SURGERY

Uvulectomy, a traditional surgical procedure in Tanzania. Manni JJ. **Ann Trop Med Parasitol** 1984 Feb;78(1):49–53

UPPP for sleep apnea and snoring. Fujita S. **Ear Nose Throat J** 1984 May;63(5):227–35

The uvula and sudden infant death syndrome [letter] Harpey JP, et al. **Pediatrics** 1984 Aug;74(2):319–20

VACCINATION

Failure of Q fever phase I corpuscular vaccine to influence the persistence and reactivation of Coxiella burnetii infection in mouse and guinea pig tissues. Kazár J, et al. **Acta Virol (Praha)** 1983 Sep;27(5):418–28

Prevention and drug treatment of influenza. Monto AS. **Am Fam Physician** 1983 Dec;28(6):165–9

Measles vaccine and age at immunization [letter] Cunningham AS. **Am J Dis Child** 1984 Apr;138(4):412

Tuberculin skin testing in Vietnamese refugees with a history of BCG vaccination. Fox AS, et al. **Am J Dis Child** 1983 Nov;137(11):1093–4

Persistence of protective pneumococcal antibody following vaccination in patients with the nephrotic syndrome. Tejani A, et al. **Am J Nephrol** 1984 Jan–Feb;4(1):32–7

Mechanisms of protective immunity against Schistosoma mansoni infection in mice vaccinated with irradiated cercariae. V. Anamnestic cellular and humoral responses following challenge infection. Correa-Oliveira R, et al. **Am J Trop Med Hyg** 1984 Mar;33(2):261–8

Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. V. Human response to immunization with a candidate vaccine prepared in fetal rhesus lung cells. Eckels KH, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):684–9

Hepatitis B vaccination of high-risk hospital personnel. Oxman MN. **Anesthesiology** 1984 Jan;60(1):1–3

The expanded programme on immunization (EPI) in Ondo State, Nigeria. Alakija W, et al. **Ann Trop Paediatr** 1983 Dec;3(4):177–80

Pneumococcal vaccine in the hospital. Improved use and implications for high-risk patients. Klein RS, et al. **Arch Intern Med** 1983 Oct;143(10):1878–81

Volunteer studies in the development of a live oral typhoid vaccine. Dima VF. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep;42(2–3):191–8

Vaccination against cutaneous leishmaniasis in mice using nonpathogenic cloned promastigotes of Leishmania major and importance of route of injection. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):145–53

Tick-paralysis toxoid: an effective immunizing agent against the toxin of Ixodes holocyclus. Stone BF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):189–91

A study on impact of an educational programme on immunization behaviour of parents. Khanom K, et al. **Bangladesh Med Res Counc Bull** 1983 Jun;9(1):18–24

Neutralizing antibody responses to Japanese encephalitis vaccine in children. Juang RF, et al. **Biken J** 1983 Mar; 26(1):25–34

Cytomegalovirus vaccine in renal transplant candidates: progress report of a randomized, placebo-controlled, double-blind trial. Balfour HH Jr, et al. **Birth Defects** 1984; 20(1):289–304

Prevention of cytomegalovirus disease by Towne strain live attenuated vaccine. Plotkin SA, et al. **Birth Defects** 1984; 20(1):271–87

Live cytomegalovirus vaccination of healthy volunteers: eight-year follow-up studies. Stern H. **Birth Defects** 1984; 20(1):263–9

Efficacy of vaccine Ac NFU1 (S-) MRC 5 given after an initial clinical episode in the prevention of herpes genitalis. Woodman CB, et al. **Br J Vener Dis** 1983 Oct;59(5):311–3

Whooping cough and pertussis vaccination [letter] **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1881–2

Prevention of pneumococcal infection in children with homozygous sickle cell disease. John AB, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1567–70

Persistence of rubella antibody 8–18 years after vaccination. O'Shea S, et al. **Br Med J [Clin Res]** 1984 Apr 7; 288(6423):1043

Malaria vaccination: two steps forward, one backward [editorial] Peters W. **Br Med J [Clin Res]** 1983 Oct 15; 287(6399):1089–90

Immunization against leprosy: progress and prospects. Noordeen SK, et al. **Bull WHO** 1984;62(1):1–6

Influenza vaccination for the 1984–85 season. National Advisory Committee on Immunization. **Can Med Assoc J** 1984 Aug 15;131(4):304–5

Rubella prevention [letter] Hansen NH. **Can Med Assoc J** 1983 Nov 15;129(10):1077

Serogroups and serotypes of pneumococci in Montreal: correlations with age, outcome and indications for vaccination. Lamothe F, et al. **Can Med Assoc J** 1984 Mar 15;130(6):737–40

Implementation of the rubella vaccination programme in Manchester. Jones AE. **Community Med** 1983 Nov; 5(4):287–94

Measles immunization [letter] Tuke JW. **Community Med** 1983 Nov;5(4):345

The efficacy of colostrum from cows vaccinated with rotavirus in protecting calves to experimentally induced rotavirus infection. Castrucci G, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(1):11–8

Examination of strategies for vaccination against parasitic infection or disease using mouse models. Mitchell GF, et al. **Contemp Top Immunobiol** 1984;12:323–58 (169 ref.)

The epidemiology of pertussis and pertussis immunization in the United Kingdom and the United States: a comparative study. Cherry JD. **Curr Probl Pediatr** 1984 Feb;14(2):1–78 (165 ref.)

Cross-reacting opsonic antibodies to clinically important pneumococcal serotypes after pneumococcal vaccination. Braconier JH, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):453–8

Progress in immunization against Klebsiella infections. Cryz SJ. **Eur J Clin Microbiol** 1983 Dec;2(6):523–8 (38 ref.)

Interferon as an adjuvant for hepatitis B vaccination in non- and low-responder populations. Grob PJ, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):195–8

Hepatitis B vaccination of high-risk individuals in the canton of Zurich. Grob PJ, et al. **Eur J Clin Microbiol** 1983 Aug; 2(4):309–15

Schistosoma mansoni: vaccination of mice with 10-krad-irradiated, cryopreserved schistosomules. Lewis FA, et al. **Exp Parasitol** 1984 Jun;57(3):261–8

Vaccinating the elderly: will doctors join in? Raber P. **Geriatrics** 1983 Nov;38(11):24–35

Effects of vaccination with SolcoTrichovac on the vaginal

flora and the morphology of the Doederlein bacilli. Goisis M, et al. **Gynakol Rundsch** 1983;23 Suppl 2:56–63

SolcoTrichovac in the prophylaxis of trichomonad reinfection. A randomized double-blind study. Litschgi M. **Gynakol Rundsch** 1983;23 Suppl 2:72–6

IgA antibodies in the vaginal secretion after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:46–9

Changes in the vaginal flora of trichomoniasis patients after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:50–5

Vaccination with SolcoTrichovac. Immunological aspects of a new approach for therapy and prophylaxis of trichomoniasis in women. Pavić R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:27–38

The 'improbable' hanseniasis vaccination [editorial] Rotberg A. **Hansenol Int** 1982 Dec;7(2):69–72 **(Eng, Por)**

Vaccine against hepatocellular carcinoma—prospects of a new era in cancer control. Nayak NC. **Indian J Med Res** 1983 Jul;78 Suppl:1–7

Latex agglutination test for pertussis antibody status of children before & after vaccination. Ray K, et al. . **Indian J Med Res** 1984 Feb;79:180–6

Family size and immunization status of the underfive children. Dabi DR, et al. **Indian J Pediatr** 1983 Sep-Oct; 50(406):503–5

Feasibility of measles vaccine: experience with live attenuated virus vaccine in and around Sevagram. Jajoo UN, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):379–81

Measles in India, a neglected problem. John TJ. **Indian J Pediatr** 1983 Jul–Aug;50(405):399–403

Use of a purified outer membrane protein F (porin) preparation of Pseudomonas aeruginosa as a protective vaccine in mice. Gilleland HE Jr, et al. **Infect Immun** 1984 Apr;44(1):49–54

Macrophages as effector cells of protective immunity in murine schistosomiasis: macrophage activation in mice vaccinated with radiation-attenuated cercariae. James SL, et al. **Infect Immun** 1984 Jun;44(3):569–75

Effect of parenteral immunization on the local immunoglobulin A response of the intestine to Shigella flexneri antigens. Keren DF, et al. **Infect Immun** 1983 Oct; 42(1):202–7

Effect of iron on antibacterial immunity in vaccinated mice. Kochan I, et al. **Infect Immun** 1984 Feb;43(2):543–8

IgG subclasses of anti-HBs antibodies in vaccinated and nonvaccinated individuals and in anti-HBs immunoglobulin preparations. Skvaril F, et al. **Int Arch Allergy Appl Immunol** 1984;73(4):330–7

Measles in England and Wales—III: Assessing published predictions of the impact of vaccination on incidence. Fine PE, et al. **Int J Epidemiol** 1983 Sep;12(3):332–9

The optimal age for vaccination against measles in an Asiatic city, Taipei, Taiwan: reduction of vaccine induced titre by residual transplacental antibody. Lee YL, et al. **Int J Epidemiol** 1983 Sep;12(3):340–3

Rationales for vaccines against leprosy. Bloom BR. **Int J Lepr** 1983 Dec;51(4):505–9

Operational problems in vaccine trials. Guld J. **Int J Lepr** 1983 Dec;51(4):559–62

Epidemiological considerations in vaccine trials in leprosy. Noordeen SK. **Int J Lepr** 1983 Dec;51(4):556–8

Animal vaccination studies with Mycobacterium leprae. Shepard CC. **Int J Lepr** 1983 Dec;51(4):519–23

Two candidate antileprosy vaccines—current status of their development. Talwar GP, et al. **Int J Lepr** 1983 Dec; 51(4):550–2

Plasmodium berghei: the effects of suppressor factor on vaccination. Alger NE, et al. **Int J Parasitol** 1984 Jun; 14(3):301–7

Analysis of a general practitioner immunisation programme. Dougan D, et al. **Ir Med J** 1984 Apr;77(4):110–1

Poliomyelitis vaccination in Ireland—recommendations for changes. Murphy L. **Ir Med J** 1984 Mar;77(3):82, 84

A vaccination programme for Irish general practice. O'Grady M, et al. **Ir Med J** 1984 Apr;77(4):109–10

Serological response to rubella revaccination in adolescent females. Fitzpatrick SB, et al. **J Adolesc Health Care** 1983 Sep;4(3):168–70

Seroconversion after measles vaccination in infants and children. Seghal S, et al. **J Commun Dis** 1983 Jun;15(2):75–9

Seroepidemiology of rubella in Saudi Arabia: an adapted vaccination policy. Abdullah MA, et al. **J Epidemiol Community Health** 1984 Sep;38(3):236–9

Rubella immunization policies for health care personnel. Howard J, et al. **J Fam Pract** 1983 Nov;17(5):805–7

Duration of vaccine-induced poliomyelitis immunity. Mayer TR. **J Fam Pract** 1984 Sep;19(3):385–6, 388

Antibody response in pig nasal fluid and serum following foot-and-mouth disease infection or vaccination. Francis MJ, et al. **J Hyg (Lond)** 1983 Oct;91(2):329–34

Measles vaccination and reduction in child mortality: a community study from Guinea-Bissau. Aaby P, et al. **J Infect** 1984 Jan;8(1):13–21

Immune responses to active and passive-active vaccination against hepatitis B. Deinhardt F, et al. **J Infect** 1983 Jul; 7 Suppl 1:21–5

Post-exposure hepatitis B vaccination of sexual partners of acute viral hepatitis patients. Papaevangelou G, et al. **J Infect** 1983 Jul;7 Suppl 1:63–7

Hepatitis-B vaccination in the elderly. Denis F, et al. **J Infect Dis** 1984 Jun;149(6):1019

Influenza and pneumococcal immunization in medical clinics, 1971–1983. Fedson DS. **J Infect Dis** 1984 May;149(5):817–8

Enzyme-linked immunosorbent assay of mumps antibody for evaluation of immune status before and after vaccination. Kuno-Sakai H, et al. **J Infect Dis** 1984 May;149(5):813

Immunogenicity of hepatitis B virus vaccine in healthy Chinese neonates. Lee GC, et al. **J Infect Dis** 1983 Sep; 148(3):526–9

Passive/active immunization against hepatitis B. Zachoval R, et al. **J Infect Dis** 1984 Jul;150(1):112–7

Hepatitis B surface antigen (HBsAg) subtype-specific antibodies in persons vaccinated against hepatitis B. Jilg W, et al. **J Med Virol** 1984;13(2):171–8

DTP reactions and serologic response with a reduced dose schedule. Barkin RM, et al. **J Pediatr** 1984 Aug; 105(2):189–94

A comparison of adverse effects of two influenza vaccines, and the influence on subsequent uptake. Ryan MP, et al. **J R Coll Gen Pract** 1984 Aug;34(265):442–4

Vaccination against spontaneous abortion in mice. Chaouat G, et al. **J Reprod Immunol** 1983 Nov;5(6):389–92

The short-term effects of a measles vaccination programme on a rural Nigerian community. Roberts CM. **J Trop Pediatr** 1984 Jun;30(3):184–8

Live attenuated varicella vaccine. Efficacy for children with leukemia in remission. Gershon AA, et al. **JAMA** 1984 Jul 20;252(3):355–62

Crossing 'threshold' of hepatitis B control awaits greater vaccine use [news] Goldsmith MF. **JAMA** 1984 Jun 1; 251(21):2765–7, 2771–2

Pertussis and pertussis vaccine. Reanalysis of benefits, risks, and costs. Hinman AR, et al. **JAMA** 1984 Jun 15; 251(23):3109–13

Prevaccination screening of medical and dental students. Should low levels of antibody to hepatitis B surface antigen preclude vaccination? Perrillo RP, et al. **JAMA** 1983 Nov 11;250(18):2481–4

Active hepatitis B vaccination of dialysis patients and medical staff. Köhler H, et al. **Kidney Int** 1984 Jan;25(1):124–8

Vaccines against malaria and babesiosis [editorial] **Lancet** 1983 Nov 26;2(8361):1232–3

Failure to vaccinate [editorial] **Lancet** 1983 Dec 10; 2(8363):1343–4

Failure to vaccinate [letter] **Lancet** 1984 Jan 7;1(8367):51

Pertussis: herd immunity and vaccination coverage in St Lucia. Cooper E, et al. **Lancet** 1983 Nov 12; 2(8359):1129–32

Monoclonal antibodies protect against respiratory syncytial virus [letter] Taylor G, et al. **Lancet** 1983 Oct 22; 2(8356):976

Hepatitis B reservoirs and attack rates in an Australian community. A basis for vaccination and crossinfection policies. Burrell CJ, et al. **Med J Aust** 1983 Nov 12; 2(10):492–6

Measles in the 1980s. Christopher PJ, et al. **Med J Aust** 1983 Nov 12;2(10):488–91

Measles and measles immunization [editorial] Feery B. **Med J Aust** 1983 Nov 12;2(10):471–2

Influenza epidemiology and prevention [letter] Gill PW. **Med J Aust** 1984 Sep 29;141(7):478–9

Immunization against hepatitis B [editorial] Gust ID. **Med J Aust** 1983 Nov 12;2(10):468–9

Routine mumps vaccination [letter] Masters PL. **Med J Aust** 1984 Mar 31;140(7):441

Measles outbreak among vaccinated high school students—Illinois. **MMWR** 1984 Jun 22;33(24):349–51

Yellow fever vaccine. **MMWR** 1984 Jan 6;32(52):679–82, 687–8

Cell-mediated immunity following experimental vaccinations with Candida albicans ribosomes. Levy R, et al. **Mycopathologia** 1983 Nov 25;83(3):161–8

Keeping health-care workers healthy. Legal aspects of hepatitis B immunization programs. Baker CH, et al. **N Engl J Med** 1984 Sep 6;311(10):684–8

Rubella in Nebraska. Paulman PM, et al. **Nebr Med J** 1983 Dec;68(12):387–9

Meningococcal group B vaccine trial in Norway 1981—1982. Preliminary report of results available November 1982. Frøholm LO, et al. **NIPH Ann** 1983 Dec;6(2):133–8

An ELISA study of the antibody response after vaccination with a combined meningococcal group B polysaccharide and serotype 2 outer membrane protein vaccine. Rosenqvist E, et al. **NIPH Ann** 1983 Dec;6(2):139–49

Vertical transmission of hepatitis B [letter] Woodfield DG, et al. **NZ Med J** 1984 Sep 26;97(764):659–60

Hepatitis immunisation prior to travel or residence in developing countries [letter] Woodfield DG. **NZ Med J** 1984 Aug 22;97(762):578

The cellular and humoral immune response in subjects vaccinated against cutaneous leishmaniasis using Leishmania tropica major promastigotes. Green MS, et al. **Parasite Immunol** 1983 Jul;5(4):337–44

Immunisation against East Coast fever: correlation between monoclonal antibody profiles of Theileria parva stocks and cross immunity in vivo. Irvin AD, et al. **Res Vet Sci** 1983 Nov;35(3):341–6

Control of poliomyelitis by vaccination in Belgium. André FE. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S419–23

The control of poliomyelitis in Brazil. Baptista Risi J Jr. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S400–3

Long-term immunity following vaccination with killed poliovirus vaccine in Sweden, a country with no circulating poliovirus. Böttiger M. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S548–51

Current advances in viral diagnostic technology applicable to polio vaccination and diagnosis. Chernesky MA. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S525–7

Immunization with oral poliovirus vaccine in China. Dong DX. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S431

Selective primary health care: strategies for control of disease in the developing world. XIII. Acute bacterial meningitis. Greenwood BM. **Rev Infect Dis** 1984 May-Jun;6(3):374–89 (62 ref.)

Seroimmunity following vaccination in infants by an inactivated poliovirus vaccine prepared on Vero cells. Grenier B, et al. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S545–7

Evolution of the poliomyelitis vaccination program in Costa Rica. León de Coto EM. **Rev Infect Dis** 1984 May-Jun; 6 Suppl 2:S442–3

Consequences of the introduction of the new inactivated poliovirus vaccine into the Expanded Programme on Immunization. Martin JF. **Rev Infect Dis** 1984 May-Jun; 6 Suppl 2:S480–2

Cuba: mass polio vaccination program, 1962–1982. Rodríguez Cruz R. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S408–12

One-dose immunization against paralytic poliomyelitis using a noninfectious vaccine. Salk J. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S444–50

Prospects for the eradication of infectious diseases. Stuart-Harris C. **Rev Infect Dis** 1984 May-Jun;6(3):405–11 (32 ref.)

Vaccination with inactivated poliovirus vaccine and oral poliovirus vaccine in Denmark. von Magnus H, et al. **Rev Infect Dis** 1984 May-Jun;6 Suppl 2:S471–4

Who should be vaccinated against hepatitis B? **Scand J Infect Dis [Suppl]** 1983;38:46–61

Vaccination of children with malignant diseases with alum-absorbed hepatitis B vaccine—Immunogenicity studies. Arnold W, et al. **Scand J Infect Dis [Suppl]** 1983; 38:33–6

Aspects of vaccination against hepatitis B; passive-active immunization schedules and vaccination responses in different age groups. Deinhardt F. **Scand J Infect Dis [Suppl]** 1983;38:17–23

Hepatitis B vaccination of hemophiliacs. Desmyter J, et al. **Scand J Infect Dis [Suppl]** 1983;38:42–5

Hepatitis B vaccination of renal transplant and hemodialysis patients. Grob P. **Scand J Infect Dis [Suppl]** 1983;38:28–32

Possibilities of preventing otitis media by vaccination. Mäkelä PH, et al. **Scand J Infect Dis [Suppl]** 1983;39:34–8

Vaccination against hepatitis B sexual contacts of contagious patients. Papaevangelou G. **Scand J Infect Dis [Suppl]** 1983; 38:37–41

Immune response to hepatitis B vaccination in the mentally retarded. Wahl M, et al. **Scand J Infect Dis [Suppl]** 1983; 38:24–7

Evaluation of age-specific vaccination strategies. Katzmann W, et al. **Theor Popul Biol** 1984 Apr;25(2):125–37

Bronchial responses to inhaled histamine and methacholine after influenza virus vaccination in monkeys. Ishihara T, et al. **Tohoku J Exp Med** 1983 Jul;140(3):335–6

Schistosoma mansoni: decay of resistance induced by gamma irradiated cercariae in the mouse. Smith MA, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):190–2

The persistence of tuberculin sensitivity following oral BCG vaccination in The Netherlands. Bleiker MA, et al. **Tubercle** 1983 Dec;64(4):255–63

The intestinal immune system and oral vaccination. Newby TJ, et al. **Vet Immunol Immunopathol** 1984 May; 6(1-2):67–105 (200 ref.)

Serological response of cattle to simultaneous vaccinations against foot-and-mouth disease and haemorrhagic septicaemia. Joseph PG, et al. **Vet Rec** 1984 May 19; 114(20):494–6

The characterisation of an esterase derived from Babesia bovis and its use as a vaccine. Wright IG, et al. **Z Parasitenkd** 1983;69(6):703–14

[Vaccination in pneumococcal and pseudomonas infections] Liu BK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1983 Oct;6(5):315–6 **(Chi)**

[Verification of proposal for evaluation of prophylactic vaccination] Zhang YX. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Dec; 4(6):365–9 **(Chi)**

[Vaccination against tick-borne encephalitis using an inactivated vaccine] Duniewicz M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):1000–2 (Eng. Abstr.) **(Cze)**

[Immunoprevention of colibacillary enteritis in infants with a mixed perora' coli vaccine] Wiedermannová D, et al. **Cas Lek Cesk** 1983 Aug 19;122(32–33):994–9 (Eng. Abstr.) **(Cze)**

[Vaccination using Salmonella typhimurium Rc in protein-deprived BALB/c mice] Binder P, et al. **Ann Microbiol (Paris)** 1984 May-Jun;135(3):467–71 (Eng. Abstr.) **(Fre)**

[Infants and children as travelers] Lagardère B, et al. **Ann Pediatr (Paris)** 1984 Jun;31(6):511–4 (Eng. Abstr.) **(Fre)**

[Organization and activity of a vaccination service in a large city such as Paris] Lambert R, et al. **Ann Pediatr (Paris)** 1984 Jun;31(6):505–9 (Eng. Abstr.) **(Fre)**

[Vaccinations: introduction] Mande R. **Ann Pediatr (Paris)** 1984 Jun;31(6):453–5 **(Fre)**

[Indications for vaccination against hepatitis B] **Ann Soc Belg Med Trop** 1984 Mar;64(1):3–11 **(Fre)**

[Development of diseases with compulsory vaccination] Levy C. **Cah Sociol Demogr Med** 1984 Jan–Mar;24(1):43–71 **(Fre)**

[Acquired immunodeficiency syndrome (AIDS): is vaccination against hepatitis B a prevention for the risk?] Vuitton D, et al. **Gastroenterol Clin Biol** 1984 Jan; 8(1):37–41 **(Fre)**

[Expanded vaccination program. Training model for community medicine] Gateff C. **Rev Epidemiol Sante Publique** 1983;31(3):289–98 (Eng. Abstr.) **(Fre)**

[What can be expected of vaccination in periodontics in 1982] Mattout C. **Rev Odontostomatol (Paris)** 1983 Nov–Dec; 12(6):417–9 (19 ref.) **(Fre)**

[Who should currently be vaccinated against hepatitis B virus in France?] Barbare JC, et al. **Sem Hop Paris** 1983 Oct 20;59(37–38):2599–600 **(Fre)**

[Pneumococcal vaccination in geriatrics] Wiedermann G. **Fortschr Med** 1984 Mar 29;102(12):333–5 (Eng. Abstr.) **(Ger)**

[Infectiousness of a 4-year-old hepatitis B virus carrier and and active immunization of his playmates] Kätzner K, et al. **Infection** 1983 Sep–Oct;11(5):269–71 (Eng. Abstr.) **(Ger)**

[Vaccination against hepatitis B: expectations and experiences] Müller R, et al. **Internist (Berlin)** 1983 Nov; 24(11):632–7 **(Ger)**

[New vaccinations—indications and effect] Stickl H. **Med Welt** 1983 Sep 30;34(39):1081–4 **(Ger)**

[Serum conversion rate following oral poliomyelitis immunization in Mali, Africa 1982] Ehrengut W, et al. **Monatsschr Kinderheilkd** 1984 Jan;132(1):29–31 (Eng. Abstr.) **(Ger)**

[Measles vaccination in West Germany] Stickl H. **Monatsschr Kinderheilkd** 1983 Sep;131(9):609–10 **(Ger)**

[Vaccinations today in Switzerland] Schär M. **Schweiz Rundsch Med Prax** 1984 Feb 21;73(8):221–4 (Eng. Abstr.) **(Ger)**

[A comprehensive vaccination program as a preventive contribution in a large-scale chemical industry] Urbatus W. **Soz Praventivmed** 1984;29(1):55–6 (Eng. Abstr.) **(Ger)**

[Planning of vaccination against hepatitis B at a university clinic] Grimm HG. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Nov;33(11):346–50 (Eng. Abstr.) **(Ger)**

[Initial results of selective rubella vaccination in Czechoslovakia] Schwanzer V, et al. **Zentralbl Gynakol** 1983;105(16):1080 **(Ger)**

[Vaccination against viral hepatitis] Grob PJ, et al. **ZFA (Stuttgart)** 1984 Jan 10;60(1):4–9 **(Ger)**

[Vaccination against hepatitis B. Experience in the Naples area] Piazza M, et al. **Ann Sclavo** 1982 Nov–Dec; 24(6):661–5 (Eng. Abstr.) **(Ita)**

[Vaccination] Morrica Berra A. **Clin Ter** 1983 Jun 30; 105(6):517–26 **(Ita)**

[Methods of evaluating antibody response after oral vaccination with killed enteropathogenic strains of E. coli] Santiano M, et al. **G Ital Chemioter** 1984 Jan–Aug; 31(1–2):201–3 **(Ita)**

[Studies on rubella vaccination in adult females. II: Hormonal influence on clinical reactions] Nakazono N. **Hokkaido Igaku Zasshi** 1984 Mar;59(2):192–201 (Eng. Abstr.) **(Jpn)**

[Studies on rubella vaccination in adult females. I: Clinical and laboratory studies on clinical reactions] Nakazono N. **Hokkaido Igaku Zasshi** 1984 Mar;59(2):180–91 (Eng. Abstr.) **(Jpn)**

[Evaluation of the coverage of the vaccine against yellow fever in Boa Vista, Federal Territory of Roraima] Passos AD, et al. **Rev Bras Malariol Doencas Trop** 1982;34:32–9 (Eng. Abstr.) **(Por)**

[Neutralizing antibodies to poliovirus in the sera of newborn infants before and after mass immunization of the Brazilian population from 0 to 5. São Paulo, Brazil (1980)] Hutzler RU, et al. **Rev Inst Med Trop Sao Paulo** 1984 Mar–Apr; 26(2):78–82 (Eng. Abstr.) **(Por)**

[Prevention and cure of purulent postoperative wounds in patients with acquired heart lesions after surgery involving extracorporeal circulation] Malyshev IuI, et al. **Grudn Khir** 1984 Jul–Aug;(4):39–41 (Eng. Abstr.) **(Rus)**

[Massive complex (combined) immunization against typhoid, cholera and plague] Agafonov VI, et al. **Voen Med Zh** 1983 Aug;(8):45–8 **(Rus)**

[Simultaneous vaccination against influenza A and tuberculosis] Zykov MP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):101–6 (Eng. Abstr.) **(Rus)**

[Vaccination against viral hepatitis type B] Drndarević D, et al. **Vojnosanit Pregl** 1983 Nov–Dec;40(6):432–5 **(Ser)**

[Experience with vaccination of humans against Q fever in Czechoslovakia] Kazár J, et al. **Bratisl Lek Listy** 1983 Jul; 80(1):31–40 (Eng. Abstr.) **(Slo)**

[How and who should be vaccinated against hepatitis B in Spain?] Bruguera M. **Med Clin (Barc)** 1984 Mar 31; 82(12):546–8 **(Spa)**

[Vaccination against hepatitis B in a hematology-hemotherapy service: analysis of its immunogenous capacity] Hernández JM, et al. **Med Clin (Barc)** 1984 Mar 31;82(12):531–3 (Eng. Abstr.) **(Spa)**

[Prevention of hepatitis] Rull S. **Med Clin (Barc)** 1984 Mar 31;82(12):542–5 **(Spa)**

ADVERSE EFFECTS

Immunosuppression by parvovirus [letter] Henry SC. **J Am Vet Med Assoc** 1983 Sep 1;183(5):492–3

Swine influenza virus vaccine incident [letter] Langmuir AD. **J R Soc Med** 1984 Jul;77(7):621

Leads from the MMWR. Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **JAMA** 1984 Feb 17;251(7):883–4

Symptoms after primary immunisation with DTP and with DT vaccine. Pollock TM, et al. **Lancet** 1984 Jul 21; 2(8395):146–9

Safety of influenza vaccination in adults with asthma. Campbell BG, et al. **Med J Aust** 1984 Jun 23;140(13):773–5

Early-onset reaction after measles vaccination. Further Australian reports. McEwen J. **Med J Aust** 1983 Nov 12; 2(10):503–5

Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **MMWR** 1984 Jan 27;33(3):37–8

[Unusual complications of poliomyelitis vaccination] Dietzsch HJ, et al. **Kinderarztl Prax** 1983 Nov;51(11):513–6 (Eng. Abstr.) **(Ger)**

[Characteristics of acid-fast organisms isolated from tuberculous lymphadenitis-lesion of two children who had been BCG-vaccinated. Differentiation of BCG from other strains of Mycobacterium bovis] Tsukamura M, et al. **Kekkaku** 1984 Apr;59(4):289–93 (Eng. Abstr.) **(Jpn)**

[Chromosomal changes in vaccination] Il'inskikh NN, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):140–7 (72 ref.) **(Rus)**

[Onset of paralysis after vaccination against rabies] Ercegovac D, et al. **Srp Arh Celok Lek** 1983 Apr; 111(4):429–36 (Eng. Abstr.) **(Scc)**

ECONOMICS

Financial aspects of hepatitis B vaccination program [letter] Utt JK, et al. **Am J Hosp Pharm** 1984 May;41(5):874, 877

Compensation for vaccine-related injuries. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1984 Oct;101(4):559–61

Hepatitis B vaccine: whether and how to use it. Smith WC. **Community Med** 1983 Nov;5(4):295–301

Occupational exposure to hepatitis B virus. Analysis of indications for hepatitis B vaccine. Lohiya G, et al. **J Occup Med** 1984 Mar;26(3):189–96

Vaccination of homosexuals against hepatitis B [letter] Adler MW. **Lancet** 1984 Aug 18;2(8399):405–6

The cost of hepatitis B vaccine [letter] Petersen CS, et al. **Lancet** 1984 Jun 30;1(8392):1470–1

Childhood vaccine: US plans federal compensation [news] Budiansky S. **Nature** 1984 Jun 28–Jul 4;309(5971):738

Cost-benefit analysis of alternative programs of vaccination against rubella in Israel. Golden M, et al. **Public Health** 1984 May;98(3):179–90

Hepatitis B screening project [letter] Nelsen PD. **Wis Med J** 1983 Aug;82(8):11

[Analysis of the benefits and costs of vaccination] Wilczek H. **Cas Lek Cesk** 1983 Nov 25;122(47):1468–9 **(Cze)**

[Vaccination against hepatitis B in hospitals. I or strategies of use? (letter)] Chenais F, et al. **Presse Med** 1983 Sep 24; 12(33):2060 **(Fre)**

HISTORY

Doctor Thomas Dimsdale, and smallpox in Russia. The variolation of the Empress Catherine the Great. Griffiths J. **Bristol Med Chir J** 1984 Jan;99(369):14–6

Rider Haggard and smallpox. Thomson WA. **J R Soc Med** 1984 Jun;77(6):506–12

Landmark article Aug 6, 1960: Live, orally given poliovirus vaccine. Effects of rapid mass immunization on population under conditions of massive enteric infection with other viruses. By Albert B. Sabin, Manuel Ramos-Alvarez, José Alvarez-Amezquita, William Pelon, Richard H. Michaels, Ilya Spigland, Meinrad A. Koch, Joan M. Barnes, and Johng S. Rhim. **JAMA** 1984 Jun 8;251(22):2988–93

Landmark perspective: Mass vaccination against polio. Hinman AR. **JAMA** 1984 Jun 8;251(22):2994–6

METHODS

Routine pre-exposure rabies prophylaxis: a reassessment. Mann JM. **Am J Public Health** 1984 Jul;74(7):720–2

Mycobacterial delayed type sensitivity after BCG multiple site vaccination of guinea pigs. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):321–6

Immunisation against hepatitis B. Gust ID, et al. **Aust Fam Physician** 1983 Sep;12(9):657–60

Vaccination of genetically susceptible mice against chronic infection with Nematospiroides dubius using pertussigen as adjuvant. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):425–34

Passive and active immunoprophylaxis of hepatitis B. Seeff LB, et al. **Gastroenterology** 1984 May;86(5 Pt 1):958–81 (142 ref.)

Antibody response to a single intradermal booster dose of rabies human diploid cell vaccine. Dreesen DW, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1468–70

Comparison of approaches for augmenting the serologic response to the individually specific methylcholanthrene-induced sarcoma-Meth A: pretreatment with cyclophosphamide is most effective. Livingston PO, et al. **J Immunol** 1983 Nov;131(5):2601–5

Effectiveness of polio vaccination coverage in reducing the incidence of paralytic poliomyelitis in a highly endemic area of Bombay city. Desai VP, et al. **J Postgrad Med** 1984 Jan;30(1):1–4

Leads from the MMWR. Rubella prevention. **JAMA** 1984 Jul 13;252(2):192–5, 199–200

Intradermal vaccination [editorial] **Lancet** 1983 Dec 24–31; 2(8365–66):1464–5

Rubella prevention. **MMWR** 1984 Jun 8;33(22):301–10, 315–8

Mass vaccination against poliomyelitis in Mexico. Fernández de Castro J. **Rev Infect Dis** 1984 May–Jun;6 Suppl 2:S397–9

Effect of pneumococcal vaccination on upper respiratory tract infections in children. Design of a follow-up study. Rosén C, et al. **Scand J Infect Dis [Suppl]** 1983;39:39–44

PSYCHOLOGY

Failure to vaccinate [letter] **Lancet** 1984 Feb 11;1(8372):342–3

TRENDS

[Achievements and prospects of the specific prophylaxis of viral diseases] Andzhaparidze OG. **Vestn Akad Med Nauk SSSR** 1983;(12):3–8 **(Rus)**

UTILIZATION

Pertussis: what percentage of children can we immunise? Jelley DM, et al. **Br Med J [Clin Res]** 1984 May 26; 288(6430):1582–4

PHLS inquiry into current BCG vaccination policy [letter] Miller CL, et al. **Br Med J [Clin Res]** 1984 Feb 18; 288(6416):564

Childhood immunoprophylaxis: achievements in a Glasgow practice. Ross SK. **Health Bull (Edinb)** 1983 Sep; 41(5):253–7

[Methods of increasing the scope of vaccinations against diphtheria] Fel'dblium IV, et al. **Pediatriia** 1983 Jun; (6):51–3 **(Rus)**

VETERINARY

Contagious ecthyma virus-vaccination failures. Buddle BM, et al. **Am J Vet Res** 1984 Feb;45(2):263–6

Immediate postnatal inoculation of a microbial barrier to prevent neonatal diarrhea induced by Clostridium difficile in young conventional and gnotobiotic hares. Dubos F, et al. **Am J Vet Res** 1984 Jun;45(6):1242–4

Lamb model in the study of immunity to enteropathogenic Escherichia coli infections. Gregory DW, et al. **Am J Vet Res** 1983 Nov;44(11):2073–7

Experimentally induced Cooperia oncophora infection in calves: lymphocyte blastogenic and delayed hypersensitivity responses. Hanrahan LA, et al. **Am J Vet Res** 1984 May;45(5):855–62

Cell culture-derived Babesia bovis vaccine: sequential challenge exposure of protective immunity during a 6-month postvaccination period. Kuttler KL, et al. **Am J Vet Res** 1983 Aug;44(8):1456–9

Effect of ammonia on the quantitative clearance of Escherichia coli from lungs, air sacs, and livers of turkeys aerosol vaccinated against Escherichia coli. Nagaraja KV, et al. **Am J Vet Res** 1984 Feb;45(2):392–5

Protection by vaccination against bovine leukemia virus infection in sheep. Onuma M, et al. **Am J Vet Res** 1984 Jun;45(6):1212–5

Infectious bovine keratoconjunctivitis: enhancement of Moraxella bovis pili immunogenicity with diphtheria-tetanus toxoids and pertussis vaccine. Pugh GW Jr, et al. **Am J Vet Res** 1984 Apr;45(4):661–5

Genetic differences in serum-neutralization titers of pigs after vaccination with pseudorabies modified live-virus vaccine. Rothschild MF, et al. **Am J Vet Res** 1984 Jun;45(6):1216–8

Immune response of pregnant cows to bovine rotavirus immunization. Saif LJ, et al. **Am J Vet Res** 1984 Jan; 45(1):49–58

Comparative viral, immunologic, and pathologic responses of chickens inoculated with herpesvirus of turkeys as embryos or at hatch. Sharma JM, et al. **Am J Vet Res** 1984 Aug;45(8):1619–23

Isolation of Haemophilus somnus antigens and their use as vaccines for prevention of bovine thromboembolic meningoencephalitis. Stephens LR, et al. **Am J Vet Res** 1984 Feb;45(2):234–9

Bovine genital campylobacteriosis (vibriosis): vaccination of experimentally infected bulls. Vasquez LA, et al. **Am J Vet Res** 1983 Aug;44(8):1553–7

Infection with enterotoxigenic Escherichia coli in calves and protection of the calves by vaccination of the dams. Krogh HV. **Ann Rech Vet** 1983;14(4):522–5

Vaccination of cattle against brucellosis using either a reduced dose of strain 19 or one or two doses of 45/20 vaccine. Alton GG, et al. **Aust Vet J** 1983 Jun;60(6):175–7

Footrot control in drought. Egerton JR. **Aust Vet J** 1983 Oct;60(10):315

Effect of environmental temperature on the mortality in vaccinated chickens after challenge with Australian infectious bronchitis virus. Ratanasethakul C, et al.

Aust Vet J 1983 Aug;60(8):255–6
Comparison of tick and blood challenge for assessing immunity to Babesia bovis. Timms P, et al. **Aust Vet J** 1983 Aug;60(8):257–9
Effect of serial embryo passage of an Arkansas–type avian infectious bronchitis virus isolate on clinical response, virus recovery, and immunity. Gelb J Jr, et al. **Avian Dis** 1983 Jul–Sep;27(3):679–87
The effect of oil–emulsion vaccines on the occurrence of nonspecific plate agglutination reactions for Mycoplasma gallisepticum and M. synoviae. Glisson JR, et al. **Avian Dis** 1984 Apr–Jun;28(2):397–405
Mycoplasma gallisepticum vaccination: effects on egg transmission and egg production. Glisson JR, et al. **Avian Dis** 1984 Apr–Jun;28(2):406–15
Studies on the live–virus vaccine against infectious laryngotracheitis of chickens. II. Evaluation of the tissue–culture–modified strain C7 in laboratory and field trials. Izuchi T, et al. **Avian Dis** 1984 Apr–Jun;28(2):323–30
Immunization of chickens with temperature–sensitive mutants of Mycoplasma gallisepticum. Lam KM, et al. **Avian Dis** 1983 Jul–Sep;27(3):803–12
Immunogenic potency of an oil–emulsified Escherichia coli bacterin. Panigraphy B, et al. **Avian Dis** 1984 Apr–Jun; 28(2):475–81
The effects of challenge on the humoral and cellular immune responses in pseudorabies vaccinated swine. Alva–Valdes R, et al. **Can J Comp Med** 1983 Oct;47(4):451–5
Immune response of sows and their offspring to pseudorabies virus: serum neutralization response to vaccination and field virus challenge. Wright JC, et al. **Can J Comp Med** 1984 Apr;48(2):184–91
Efficacy of aerosol, intranasal and intramuscular vaccination against selected bovine viral diseases. Mann DD, et al. **Cornell Vet** 1983 Oct;73(4):375–9
Vaccination in the dog. Cornwell HJ, et al. **In Pract** 1982 Sep;4(5):151–2, 155–6, 158
The response of lambs to vaccination and challenge with Trichostrongylus colubriformis: effect of plane of nutrition on, and the inter–relationship between, immunological responsiveness and resistance. Wagland BM, et al. **Int J Parasitol** 1984 Feb;14(1):39–44
Guidelines for vaccination of horses. Equine Vaccination Guidelines Subcommittee, Council on Biologic and Therapeutic Agents, AVMA. **J Am Vet Med Assoc** 1984 Jul 1;185(1):32–4
Use of hyperimmune serum, vaccination, and certain management procedures for control of pseudorabies in swine. Hsu FS, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1463–6
Clinical trials with canine distemper vaccines in exotic carnivores. Montali RJ, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1163–7
Questions efficacy of cattle vaccines [letter] Myers LL. **J Am Vet Med Assoc** 1984 Jan 1;184(1):5–7
Encephalitis vaccination of pheasants [letter] Sussman O. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1375
Leptospirosis immunization [letter] Thiermann AB. **J Am Vet Med Assoc** 1983 Oct 15;183(8):838–9
Role of recent vaccination in production of false–positive coronavirus antibody titers in cats. Barlough JE, et al. **J Clin Microbiol** 1984 Mar;19(3):442–5
Use of a fluorometric immunoassay to determine antibody response to Pasteurella haemolytica in vaccinated and nonvaccinated feedlot cattle. Confer AW, et al. **J Clin Microbiol** 1983 Oct;18(4):866–71
The effect of vaccination regimen on the transfer of foot and mouth disease antibodies from the sow to her piglets. Francis MJ, et al. **J Hyg (Lond)** 1984 Aug;93(1):123–31
The effect of maternally derived antibodies on the response of calves to vaccination against foot and mouth disease. Nicholls MJ, et al. **J Hyg (Lond)** 1984 Feb;92(1):105–16
The duration of immunity in cattle following inoculation of rinderpest cell culture vaccine. Plowright W. **J Hyg (Lond)** 1984 Jun;92(3):285–96
Dairy herd health management. Snider EL. **Mod Vet Pract** 1984 Jun;65(6):467–9
Prevention of colibacillosis in neonatal swine with a 4–pilus E coli bacterin. To SC. **Mod Vet Pract** 1984 Jan;65(1):39–41
The problem with emergency clinics. Wolff A. **Mod Vet Pract** 1982 May;63(5):355, 358
The inefficacy of polivalent Pasteurella multocida vaccines for sheep. Cameron CM, et al. **Onderstepoort J Vet Res** 1983 Jun;50(2):101–4
Sequential development of humoral immunity and assessment of protection in chickens following vaccination and challenge with avian infectious bronchitis virus. Darbyshire JH, et al. **Res Vet Sci** 1984 Jul;37(1):77–86
Effect of the sow vaccination regimen on the decay rate of maternally derived foot–and–mouth disease antibodies in piglets. Francis MJ, et al. **Res Vet Sci** 1984 Jul;37(1):72–6
Antibody response in bovine pharyngeal fluid following foot–and–mouth disease vaccination and, or, exposure to live virus. Francis MJ, et al. **Res Vet Sci** 1983 Sep; 35(2):206–10
Use of coproantibody measurement to assess the influence of diet on local immune responses of sheep vaccinated against Haemonchus contortus. Wedrychowicz H, et al. **Res Vet Sci** 1984 Mar;36(2):240–6
Newcastle disease in a vaccinated flock which had experienced subclinical infectious bursal disease. Okoye JO, et al. **Trop Anim Health Prod** 1983 Nov;15(4):221–5
Immunization and immunity. Sears PM. **Vet Clin North Am [Large Anim Pract]** 1984 Jul;6(2):391–8
Solid–phase enzyme immunoassay of bovine antibody responses following immunization against and natural infection with Pasteurella haemolytica. Smith PH, et al. **Vet Immunol Immunopathol** 1983 Nov;5(1):33–45
Antibody responses of guinea–pigs, rabbits and pigs to inactivated porcine parvovirus vaccines. Joo HS, et al. **Vet Microbiol** 1984 Feb;9(1):27–33
The evaluation of a lectin–agarose based subunit vaccine and complementary diagnostic antigen for Aujeszky's disease (pseudorabies) in the pig. Platt KB. **Vet Microbiol** 1984 Feb;9(1):35–51
Non–specific immunization against bovine tropical theileriosis (Theileria annulata) using killed Corynebacterium parvum. Manickam R, et al. **Vet Parasitol** 1983 Sep;13(2):115–9
Canine parvovirus vaccination [letter] **Vet Rec** 1984 Feb 25; 114(8):203
Parvovirus vaccination [letter] **Vet Rec** 1984 Jul 7;115(1):22
Parvovirus vaccination [letter] **Vet Rec** 1983 Oct 29; 113(18):429–30
Parvovirus vaccination [letter] Bloxham PA, et al. **Vet Rec** 1984 Mar 31;114(13):327
Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 1 virus. Burrows R, et al. **Vet Rec** 1984 Apr 14;114(15):369–74
Canine parvovirus vaccination [letter] Corcoran B. **Vet Rec** 1984 Mar 3;114(9):228
Immunity to canine adenovirus respiratory disease: effect of vaccination with an inactivated vaccine. Cornwell HJ, et al. **Vet Rec** 1983 Nov 26;113(22):509–12
Evaluation of a modified schedule for lungworm vaccination of calves. Downey NE. **Vet Rec** 1984 Jan 14;114(2):29–32
Bovine virus diarrhoea–mucosal disease virus–induced fetopathy in cattle: Efficacy of prophylactic maternal pre–exposure. Duffell SJ, et al. **Vet Rec** 1984 Jun 9; 114(23):558–61
Canine parvovirus vaccination efficacy [letter] Harper DG, et al. **Vet Rec** 1984 Feb 11;114(6):151–2
Vaccination of fish: a practical view. Horne MT, et al. **Vet Rec** 1984 Jun 2;114(22):537–9
Lungworm vaccination of calves [letter] Jørgensen RJ. **Vet Rec** 1984 Feb 11;114(6):150
Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 2 virus. Mumford JA, et al. **Vet Rec** 1984 Apr 14;114(15):375–81
Vaccination with temperature–sensitive mutant of Chlamydia psittaci against enzootic abortion of ewes. Rodolakis A, et al. **Vet Rec** 1984 Feb 25;114(8):193–4
Comparison of subcutaneous and intramuscular administration of a live attenuated distemper virus vaccine in ferrets. Shen DT, et al. **Vet Rec** 1984 Jan 14;114(2):42–3
Paramyxovirus in pigeons [letter] Viaene N, Devriese L. **Vet Rec** 1984 Mar 31;114(13):327
Mortality associated with vaccination of pigeons against paramyxovirus type 1 [letter] Wallis AS. **Vet Rec** 1984 Jan 14;114(2):51–2
Development of a combined clostridial and Pasteurella haemolytica vaccine for sheep. Wells PW, et al. **Vet Rec** 1984 Mar 17;114(11):266–9
The lysate from bovine erythrocytes infected with Babesia bovis. Analysis of antigens and a report on their immunogenicity when polymerized with glutaraldehyde. Goodger BV, et al. **Z Parasitenkd** 1983;69(4):473–82
A study of the dynamics of the production of class–specific antibodies to infectious bovine rhinotracheitis (IBR) virus in calves using a solid–phase radioimmunoassay. Rodák L, et al. **Zentralbl Veterinarmed [B]** 1983 Oct;30(9):708–15
[Comparison of the indirect enzyme–bound immunosorbent method with the hemagglutination inhibition test in detecting Newcastle disease antibodies in vaccinated chickens] Dumanova L, et al. **Vet Med Nauki** 1983; 20(8):17–23 (Eng. Abstr.) **(Bul)**
[Protecting chickens against Marek's disease under laboratory conditions by the administration of Marvak, a Czechoslovak produced vaccine and vaccine imported from East Germany] Jurajda V, et al. **Vet Med (Praha)** 1984 Mar;29(3):171–80 (Eng. Abstr.) **(Cze)**
[Use of solid–phase radioimmunoassay (RIA) for the determination of antibodies to Aujeszky's disease virus in the blood serum of vaccinated pigs] Rodák L, et al. **Vet Med (Praha)** 1983 Nov;28(11):651–9 (Eng. Abstr.) **(Cze)**
[Immunoprophylaxis of streptococcal infections in suckling piglets—testing of a streptococcal–staphylococcal adsorbate vaccine for vaccination of sows in advanced pregnancy] Schöll W, et al. **Arch Exp Veterinarmed** 1983 Jul;37(4):511–26 (Eng. Abstr.) **(Ger)**
[Vaccination of boars against Aujeszky's disease. 1. Spermatological findings during vaccination against Aujeszky's disease and in a subsequent infection trial] Gaus J, et al. **DTW** 1984 Mar 8;91(3):98–100 (Eng. Abstr.) **(Ger)**
[Vaccination of boars against Aujeszky's disease. 2. Virus excretion in nasal secretions and ejaculates] Ohlinger V, et al. **DTW** 1984 Mar 8;91(3):100–2 (Eng. Abstr.) **(Ger)**
[Basic aspects of vaccination against neonatal Escherichia coli diarrhea in pigs] Bertschinger HU. **Schweiz Arch Tierheilkd** 1984 Feb;126(2):59–63 (Eng. Abstr.) **(Ger)**

VACCINATION ENCEPHALITIS see **ENCEPHALITIS, POST–VACCINAL**

VACCINES

Schistosoma mansoni: radiation dose and morphologic integrity of schistosomules as factors for an effective cryopreserved live vaccine. Lewis FA, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):125–31
Scale–up of chick cell growth on microcarriers in fermenters for vaccine production. Scattergood EM, et al. **Ann NY Acad Sci** 1983;413:332–9
From synthetic antigens to synthetic vaccines. Sela M. **Biopolymers** 1983 Jan;22(1):415–24
Hepatitis B vaccine: whether and how to use it. Smith WC. **Community Med** 1983 Nov;5(4):295–301
Newer vaccines—a review. Kumar A. **Indian J Pediatr** 1983 Jul–Aug;50(405):409–15 (23 ref.)
Malaria vaccine antigen(s): detergent solubilization, partial isolation, and recovery of immunoprotective activity. D'Antonio LE, et al. **Infect Immun** 1984 Jan;43(1):442–4
Conjugation of meningococcal lipopolysaccharide R–type oligosaccharides to tetanus toxoid as route to a potential vaccine against group B Neisseria meningitidis. Jennings HJ, et al. **Infect Immun** 1984 Jan;43(1):407–12
Preparation of a semisynthetic vaccine to Streptococcus pneumoniae type 3. Snippe H, et al. **Infect Immun** 1983 Nov;42(2):842–4
The use of a water–in–oil adjuvanted vaccine in an attempt to immunize lambs against Taenia ovis cysts in the presence of maternal antibody. Heath DD, et al. **Int J Parasitol** 1984 Aug;14(4):363–70
Unusual lipopolysaccharide antigens of a Salmonella typhi oral vaccine strain expressing the Shigella sonnei form I antigen. Seid RC Jr, et al. **J Biol Chem** 1984 Jul 25; 259(14):9028–34
Characterization of aluminum hydroxide for use as an adjuvant in parenteral vaccines. Hem SL, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):2–10
Malaria vaccine in sight? [news] Maddox J. **Nature** 1984 Aug 16–22;310(5978):541
Immunology: rational design of vaccines [news] Mitchison NA. **Nature** 1984 Mar 8–14;308(5955):113–4
Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses. Morein B, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):457–60
Progress toward achieving the 1990 immunization objectives. Hinman AR, et al. **Public Health Rep** 1983 Sep–Oct; 98(5):436–43
Genetic engineering and a schistosome vaccine. Taylor DW, et al. **Vet Parasitol** 1984 Jun;14(3–4):285–98 (30 ref.)
[Preparation of drugs and vaccines is revolutionized by the hybrid DNA technic] Aberg B. **Lakartidningen** 1983 Dec 28;80(52):5081–2 **(Swe)**

ADMINISTRATION & DOSAGE

Therapeutic immunisation of bulls with the membranes and glycoproteins of Tritrichomonas foetus var. brisbane. Clark BL, et al. **Aust Vet J** 1984 Feb;61(2):65–6
Antifertility vaccines [letter] Bronson R, et al. **Fertil Steril** 1984 May;41(5):786–7
Oral vaccination against enteric bacterial infections: an overview. Germanier R. **Infection** 1984 Mar–Apr; 12(2):138–42 (13 ref.)
Defective vaccine–induced immunity to Schistosoma mansoni in P strain mice. I. Analysis of antibody responses. Correa–Oliveira R, et al. **J Immunol** 1984 Sep;133(3):1581–6
Defective vaccine–induced immunity to Schistosoma mansoni in P strain mice. II. Analysis of cellular responses. James SL, et al. **J Immunol** 1984 Sep;133(3):1587–93
Reactogenicity, immunogenicity, and efficacy of a chick embryo cell–derived vaccine for Rocky Mountain spotted fever. Clements ML, et al. **J Infect Dis** 1983 Nov; 148(5):922–30
Malaria vaccination and chemotherapy: practical considerations for tropical countries. Adebiyi RF. **J R Soc Health** 1984 Aug;104(4):138–9
Combination chemotherapy (VAC/FMC) with immunostimulation in metastatic breast cancer: a randomized study comparing different times and routes of administration of Corynebacterium parvum. Fritze D, et al. **Klin Wochenschr** 1984 Feb 15;62(4):162–7
The intestinal immune system and oral vaccination. Newby TJ, et al. **Vet Immunol Immunopathol** 1984 May; 6(1–2):67–105 (200 ref.)
[Active immunization with combined vaccines] Zu PL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb; 5(1):58–61 **(Chi)**
[Duration of the preventive effect against trichomoniasis following vaccination with SolcoTrichovac] Grčić R, et al. **Gynakol Rundsch** 1983;23(3):191–6 **(Ger)**
[New vaccinations—indications and effect] Stickl H. **Med Welt** 1983 Sep 30;34(39):1081–4 **(Ger)**
[Modern bacterial vaccines] Mebel S, et al. **Z Erkr Atmungsorgane** 1983;161(1):61–4 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Compensation for vaccine–related injuries. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1984 Oct;101(4):559–61

Compensating for vaccine-related injuries [letter] **N Engl J Med** 1984 Sep 6;311(10):677

A national compensation program for vaccine-related injuries. Karzon DT. **N Engl J Med** 1984 May 17; 310(20):1320–2

[Vaccines, sera and pregnancy] Niccoli V. **Clin Ter** 1983 Oct 31;107(2):151–3 **(Ita)**

IMMUNOLOGY

Immunologic responsiveness and safety associated with the Coccidioides immitis spherule vaccine in volunteers of white, black, and Filipino ancestry. Williams PL, et al. **Am J Epidemiol** 1984 Apr;119(4):591–602

Cell culture-derived Babesia bovis vaccine: sequential challenge exposure of protective immunity during a 6-month postvaccination period. Kuttler KL, et al. **Am J Vet Res** 1983 Aug;44(8):1456–9

Purification, characterization, and serologic characteristics of Bacteroides nodosus pili and use of a purified pili vaccine in sheep. Lee SW, et al. **Am J Vet Res** 1983 Sep; 44(9):1676–81

Heterologous immunity in rodent malaria: comparison of the degree of cross-immunity generated by vaccination with that produced by exposure to live infection. McColm AA, et al. **Ann Trop Med Parasitol** 1983 Aug;77(4):355–77

Synthetic peptide immunogens as vaccines. Shinnick TM, et al. **Annu Rev Microbiol** 1983;37:425–46 (106 ref.)

Vaccination of genetically susceptible mice against chronic infection with Nematospiroides dubius using pertussigen as adjuvant. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1983 Aug;61 (Pt 4):425–34

A new look at antifertility vaccines. Anderson DJ, et al. **Fertil Steril** 1983 Nov;40(5):557–71

Assessment of the protective efficacy of vaccines against common diseases using case-control and cohort studies. Smith PG, et al. **Int J Epidemiol** 1984 Mar;13(1):87–93

Plasmodium berghei: the effects of suppressor factor on vaccination. Alger NE, et al. **Int J Parasitol** 1984 Jun; 14(3):301–7

The role of thresholds in the response of lambs to vaccination with irradiated Trichostrongylus colubriformis larvae. Windon RG, et al. **Int J Parasitol** 1984 Aug;14(4):423–8

Use of a fluorometric immunoassay to determine antibody response to Pasteurella haemolytica in vaccinated and nonvaccinated feedlot cattle. Confer AW, et al. **J Clin Microbiol** 1983 Oct;18(4):866–71

Rocky Mountain spotted fever vaccine in an animal model. Folds JD, et al. **J Clin Microbiol** 1983 Aug;18(2):321–6

Oesophagostomum columbianum: gamma-irradiated third-stage larvae for immunization in lambs. Sharma RL, et al. **J Helminthol** 1983 Dec;57(4):325–30

Towards new vaccines [editorial] Young CR. **J R Soc Med** 1984 Apr;77(4):261–3

Mechanisms of protective immunity against Schistosoma mansoni infection in mice vaccinated with irradiated cercariae III. Identification of a mouse strain, P/N, that fails to respond to vaccination. James SL, et al. **Parasite Immunol** 1983 Nov;5(6):567–75

Immune mechanisms in C57Bl mice genetically resistant to Trypanosoma congolense infection. II. Aspects of the humoral response. MacAskill JA, et al. **Parasite Immunol** 1983 Nov;5(6):577–86

Effect of anthelmintic treatment on the development of resistance in sheep vaccinated or experimentally infected with Dictyocaulus filaria. Al-Saadi AA, et al. **Res Vet Sci** 1984 Mar;36(2):144–6

Rocky Mountain spotted fever vaccine: a regional need. Walker DH, et al. **South Med J** 1984 Apr;77(4):447–9

Does trypsin extract soluble antigen meet the criteria of immunogenicity without allergenicity? Smith DW, et al. **Tubercle** 1984 Jun;65(2):105–10

Immunity to sarcocystosis: modification of intestinal coccidiosis, and disappearance of sarcocysts in dairy goats. Dubey JP. **Vet Parasitol** 1983 Aug;13(1):23–34

Babesia bovis: vaccination of cattle against heterologous challenge with fractions of lysate from infected erythrocytes. Goodger BV, et al. **Z Parasitenkd** 1984; 70(3):321–9

The characterisation of an esterase derived from Babesia bovis and its use as a vaccine. Wright IG, et al. **Z Parasitenkd** 1983;69(6):703–14

[Vaccination against leprosy: progress and perspectives] Noordeen SK, et al. **Bull WHO** 1984;62(2):201–7 **(Fre)**

ISOLATION & PURIFICATION

[Has the race for the first recombinant-DNA vaccine for human application been won by hepatitis B?] Kapsenberg JG. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1739–40 **(Dut)**

[Malaria vaccines in development] Meuwissen JH. **Ned Tijdschr Geneeskd** 1983 Sep 17;127(38):1729–35 **(Dut)**

STANDARDS

Immunisation against hepatitis B. Gust ID, et al. **Aust Fam Physician** 1983 Sep;12(9):657–60

Characterization of a human anti-hCG antiserum: a proposed standard for laboratories involved with the development of hCG vaccines. Thau RB, et al. **Contraception** 1983 Jun; 27(6):627–37

Questions efficacy of cattle vaccines [letter] Myers LL. **J Am Vet Med Assoc** 1984 Jan 1;184(1):5–7

Development of a Babesia rodhaini mouse assay for quality control of the serum component of a bovine babesiosis vaccine. Timms P, et al. **Res Vet Sci** 1983 Nov;35(3):331–3

Canine vaccination [letter] Godfrey C. **Vet Rec** 1984 Apr 7;114(14):364

VACCINES, ATTENUATED

Location of ts defects in the genome of cold-adapted recombinant influenza A virus vaccine strains. Medvedeva TE, et al. **Acta Virol (Praha)** 1984 May;28(3):204–11

Nucleic acid sequence of the region of the genome encoding capsid protein VP1 of neurovirulent and attenuated type 3 polioviruses. Stanway G, et al. **Eur J Biochem** 1983 Oct 3;135(3):529–33

Reactogenicity, immunogenicity, and antibody persistence in adults given inactivated influenza virus vaccines – 1978. Cate TR, et al. **Rev Infect Dis** 1983 Jul–Aug;5(4):737–47

Serologic responses and systemic reactions in adults after vaccination with monovalent A/USSR/77 and trivalent A/USSR/77, A/Texas/77, B/Hong Kong/72 influenza vaccines. Quinnan GV, et al. **Rev Infect Dis** 1983 Jul–Aug; 5(4):748–57

Antigenicity and reactogenicity of influenza A/USSR/77 virus vaccine in children—a multicentered evaluation of dosage and safety. Wright PF, et al. **Rev Infect Dis** 1983 Jul–Aug;5(4):758–64

Comparative study of various types of inactivated influenza vaccines. Popov FV. **Z Gesamte Hyg** 1983 Aug;29(8):431–4

ADMINISTRATION & DOSAGE

Interference between human hepatitis A virus and an attenuated apathogenic avian virus. Csatary LK, et al. **Acta Microbiol Hung** 1984;31(2):153–8

Herpesvirus inoculation of cornea. Gordon YJ, et al. **Am J Ophthalmol** 1984 Apr;97(4):482–7

[Immune response of the lower urinary tract in rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):260–6 (Eng. Abstr.) **(Ita)**

[Immune response of the biliary tract of rabbits vaccinated orally with inactivated bacterial antigens] Negretti F, et al. **Farmaco [Prat]** 1984 Aug;39(8):253–9 (Eng. Abstr.) **(Ita)**

[Method for the simultaneous immunization against influenza using inactivated and live vaccines] Orlov VA, et al. **Tr Inst Pastera** 1982;59:62–4 **(Rus)**

ADVERSE EFFECTS

A possible cause of acquired immune deficiency syndrome (AIDS) and other new diseases. de Long R. **Med Hypotheses** 1984 Apr;13(4):395–7

IMMUNOLOGY

Comparative virulence and immunogenicity of the Towne strain and a nonattenuated strain of cytomegalovirus. Quinnan GV Jr, et al. **Ann Intern Med** 1984 Oct; 101(4):478–83

Attenuation of Eimeria necatrix and E. tenella of U.S. origin by serial embryo passage. Gore TC, et al. **Avian Dis** 1983 Jul–Sep;27(3):569–76

Inactivated hepatitis B virus vaccine. Centers for Disease Control. **Conn Med** 1984 May;48(5):323–7

Evaluation in humans of attenuated Vibrio cholerae El Tor Ogawa strain Texas Star-SR as a live oral vaccine. Levine MM, et al. **Infect Immun** 1984 Feb;43(2):515–22

The immunizing effect and reactogenicity of two live attenuated mumps virus vaccines in Swedish schoolchildren. Christenson B, et al. **J Biol Stand** 1983 Oct; 11(4):323–31

Immunity in the female genital tract after intravaginal vaccination of mice with an attenuated strain of herpes simplex virus type 2. McDermott MR, et al. **J Virol** 1984 Sep;51(3):747–53

Multivalent inactivated virus oil emulsion vaccines in broiler breeder chickens. I. Newcastle disease virus and infectious bursal disease virus bivalent vaccines. Thayer SG, et al. **Poult Sci** 1983 Oct;62(10):1978–83

STANDARDS

Innocuity testing of foot-and-mouth disease vaccines. II. Aziridine-inactivated antigen produced in baby hamster kidney cells. Barteling SJ. **J Biol Stand** 1983 Oct; 11(4):305–12

Innocuity testing of foot-and-mouth disease vaccines. I. Formaldehyde-inactivated alhydrogel vaccines. Barteling SJ, et al. **J Biol Stand** 1983 Oct;11(4):297–304

THERAPEUTIC USE

Protection of infants against rotavirus diarrhoea by RIT 4237 attenuated bovine rotavirus strain vaccine. Vesikari T, et al. **Lancet** 1984 May 5;1(8384):977–81

VACCINIA

COMPLICATIONS

Immune responses of DBA/2 mice bearing melanoma tumors: cell-mediated immune responses after challenge with vaccinia virus. Byrne JA, et al. **Cancer Immunol Immunother** 1983;16(2):81–7

DIAGNOSIS

Ocular viral infections. Pavan-Langston D. **Med Clin North Am** 1983 Sep;67(5):973–90 (28 ref.)

[A case of corneal lesion caused by vaccinia virus] Bobrova II, et al. **Oftalmol Zh** 1984;(1):59–60 **(Rus)**

ETIOLOGY

Picture of the month. Progressive vaccinia in an infant with severe combined immunodeficiency. Fulginiti VA, et al. **Am J Dis Child** 1984 Mar;138(3):321–2

Pathogenesis of vaccinia (IHD-T) virus infection in BALB/cAnN mice. Jacoby RO, et al. **Lab Anim Sci** 1983 Oct;33(5):435–41

IMMUNOLOGY

The augmentation of tumor-specific immunity by virus help. I. Demonstration of vaccinia virus-reactive helper T cell activity involved in enhanced induction of cytotoxic T lymphocyte and antibody responses. Fujiwara H, et al. **Eur J Immunol** 1984 Feb;14(2):171–5

Skin reactions to vaccinia virus infection in the rabbits immunized with vaccinia-soluble early antigen. Yuasa T, et al. **Jpn J Med Sci Biol** 1983 Jun;36(3):147–56

Immunological studies in demyelinating encephalitis associated with vaccinia virus and canine distemper virus infection. Steck AJ, et al. **Prog Brain Res** 1983;59:275–9

METABOLISM

The relationship between the antiviral action of interferon and prostaglandins in virus-infected murine cells. Santoro MG, et al. **Biochem Biophys Res Commun** 1983 Oct 31; 116(2):442–8

MICROBIOLOGY

[Morphological proof of vaccinia virus multiplication in enucleated cells] Klitsunova NV, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):84–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pathologic effects of vaccinia virus on rabbit bone and marrow. An experimental study. Smith SR, et al. **Clin Orthop** 1983 Nov;(180):278–86

PREVENTION & CONTROL

A gel filtration method to test the efficiency of virucidal disinfectants. Aidaros H, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):221–6

THERAPY

[Successful cure of 3 cases of vaccinia complicated by eye lesions] Ustimenko LL. **Oftalmol Zh** 1983;(7):443–4 **(Rus)**

TRANSMISSION

Leads from the MMWR. Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **JAMA** 1984 Feb 17;251(7):883–4

Contact spread of vaccinia from a recently vaccinated Marine—Louisiana. **MMWR** 1984 Jan 27;33(3):37–8

VETERINARY

Cowpox infection of cats [letter] Baxby D. **Vet Rec** 1984 Jul 28;115(4):91

Cowpox in cats [letter] Hoare CM, et al. **Vet Rec** 1984 Jan 7;114(1):22

Cowpox in cats [letter] Webster J, et al. **Vet Rec** 1984 Feb 11;114(6):151

VACCINIA VIRUS

[Activity of the ciliate Onychodromus acuminatus against vaccinia virus added to the medium of the protozoan] Pérez-Prieto S, et al. **Microbiol Esp** 1983 Jul–Dec; 36(3–4):83–91 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Cowpox infection of cats [letter] Baxby D. **Vet Rec** 1984 Jul 28;115(4):91

DRUG EFFECTS

Antiviral activity of interferon in rats and the effect of immune suppression. Schellekens H, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):391–6

Defective vaccinia virus particles in interferon-treated infected cells. Esteban M. **Virology** 1984 Feb;133(1):220–7

ENZYMOLOGY

The DNA polymerase activity of vaccinia virus 'virosomes': solubilization and properties. Tomley FM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):825–9

Effects of ATP and inhibitory factors on the activity of vaccinia virus type I topoisomerase. Foglesong PD, et al. **J Virol** 1984 Jan;49(1):1–8

Vaccinia virus RNA polymerase associated with nuclei of

infected HeLa cells. Wing D, et al. **J Virol** 1984 Jan; 49(1):26–34

Nature and mode of action of vaccinia virus products that block activation of the interferon–mediated ppp(A2'p)nA–synthetase. Paez E, et al. **Virology** 1984 Apr 15;134(1):29–39

Characterization of a specific kinase inhibitory factor produced by vaccinia virus which inhibits the interferon–induced protein kinase. Whitaker–Dowling P, et al. **Virology** 1984 Aug;137(1):171–81

GENETICS

Biochemical and genetic characterization of vaccinia virus temperature–sensitive mutants with DNA– and DNAf–phenotypes. Chernos VI, et al. **Arch Virol** 1983; 77(2–4):209–21

Translation of vaccinia virus and cellular mRNA in cell–free systems prepared from uninfected and vaccinia virus infected L929 cells. Tas PW. **Arch Virol** 1984; 80(2–3):83–101

Transcription in vaccinia virus cores. The RNA produced during the first round of transcription does not differ from RNA transcribed in subsequent rounds. Huvos P. **Biochim Biophys Acta** 1984 May 15;782(1):34–40

Selective transcription of vaccinia virus genes in template dependent soluble extracts of infected cells. Puckett C, et al. **Cell** 1983 Dec;35(2 Pt 1):441–8

Inhibition of the elongation step of protein synthesis by vaccinia virus. Tas PW, et al. **FEBS Lett** 1983 Mar 21; 153(2):427–30

Cloning of the vaccinia virus telomere in a yeast plasmid vector. DeLange AM, et al. **Gene** 1984 Jan;27(1):13–21

Biogenesis of vaccinia: analysis by three–factor crosses reveals mutual influence on stability of drug resistance and temperature sensitivity when both markers occur in some recombinant virus isolates. Essani K, et al. **Intervirology** 1983;20(2–3):101–7

Neplanocin A. A potent inhibitor of S–adenosylhomocysteine hydrolase and of vaccinia virus multiplication in mouse L929 cells. Borchardt RT, et al. **J Biol Chem** 1984 Apr 10;259(7):4353–8

Degradation of rRNA in interferon–treated vaccinia virus–infected cells. Goswami BB, et al. **J Biol Chem** 1984 Feb 10;259(3):1371–4

The genome structure of cowpox virus white pock variants. Archard LC, et al. **J Gen Virol** 1984 May;65 (Pt 5):875–86

Selective inhibition of viral gene expression as the mechanism of the antiviral action of PGA1 in vaccinia virus–infected cells. Benavente J, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):599–608

Expression of cloned vaccinia virus DNA sequences introduced into animal cells. Boni C, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1245–51

Analysis of replicating vaccinia DNA in interferon–treated, virus–infected cells. Esteban M. **J Interferon Res** 1984 Spring;4(2):179–92

Indiscriminate degradation of RNAs in interferon–treated, vaccinia virus–infected mouse L cells. Benavente J, et al. **J Virol** 1984 Sep;51(3):866–71

Marker rescue of temperature–sensitive mutations of vaccinia virus WR: correlation of genetic and physical maps. Ensinger MJ, et al. **J Virol** 1983 Nov;48(2):419–28

Transcriptional and translational analysis of a strongly expressed early region of the vaccinia virus genome. Golini F, et al. **J Virol** 1984 Feb;49(2):459–70

Mapping of the vaccinia virus DNA polymerase gene by marker rescue and cell–free translation of selected RNA. Jones EV, et al. **J Virol** 1984 Jan;49(1):72–7

General method for production and selection of infectious vaccinia virus recombinants expressing foreign genes. Mackett M, et al. **J Virol** 1984 Mar;49(3):857–64

Organization of six early transcripts synthesized from a vaccinia virus EcoRI DNA fragment. Mahr A, et al. **J Virol** 1984 Feb;49(2):497–509

Arrangement of late RNAs transcribed from a 7.1–kilobase EcoRI vaccinia virus DNA fragment. Mahr A, et al. **J Virol** 1984 Feb;49(2):510–20

Organization of RNA transcripts from a vaccinia virus early gene cluster. Morgan JR, et al. **J Virol** 1984 Aug; 51(2):283–97

Transcriptional mapping of the DNA polymerase gene of vaccinia virus. Traktman P, et al. **J Virol** 1984 Jan; 49(1):125–31

Isolation of vaccinia virus mutants capable of replicating independently of the host cell nucleus. Villarreal EC, et al. **J Virol** 1984 Aug;51(2):359–66

Regulation of expression and nucleotide sequence of a late vaccinia virus gene. Weir JP, et al. **J Virol** 1984 Sep; 51(3):662–9

Mapping of a gene coding for a major late structural polypeptide on the vaccinia virus genome. Wittek R, et al. **J Virol** 1984 Feb;49(2):371–8

Electron microscopic studies of transcriptional complexes released from vaccinia cores during RNA–synthesis in vitro: methods for fractionation of transcriptional complexes. Esteban M, et al. **J Virol Methods** 1983 Aug; 7(2):73–92

Recombinant vaccinia for prevention of hepatitis B [news] Beale J. **Nature** 1984 Sep 6–11;311(5981):12–3

The nucleotide sequence of the chicken thymidine kinase gene and the relationship of its predicted polypeptide to that of the vaccinia virus thymidine kinase. Kwoh TJ, et al. **Nucleic Acids Res** 1984 May 11;12(9):3959–71

Mapping of the genes coding for the two major vaccinia virus core polypeptides. Wittek R, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4835–48

Construction of live vaccines using genetically engineered poxviruses: biological activity of vaccinia virus recombinants expressing the hepatitis B virus surface antigen and the herpes simplex virus glycoprotein D. Paoletti E, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(1):193–7

Construction and characterization of an infectious vaccinia virus recombinant that expresses the influenza hemagglutinin gene and induces resistance to influenza virus infection in hamsters. Smith GL, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7155–9

Plasmodium knowlesi sporozoite antigen: expression by infectious recombinant vaccinia virus. Smith GL, et al. **Science** 1984 Apr 27;224(4647):397–9

Physical mapping of vaccinia virus temperature–sensitive mutations. Drillien R, et al. **Virology** 1983 Dec; 131(2):385–93

Investigation of vaccinia virus DNA replication employing a conditional lethal mutant defective in DNA. Pogo BG, et al. **Virology** 1984 Jan 30;132(2):436–44

Vaccinia rescue of VSV from interferon–induced resistance: reversal of translation block and inhibition of protein kinase activity. Whitaker–Dowling P, et al. **Virology** 1983 Nov; 131(1):128–36

[Vaccinia virus: a new vector] Beaud G. **Biochimie** 1984 Feb; 66(2):XI–XV (70 ref.) **(Fre)**

[Relation between determination of the mutagenicity of lead and establishment of safe levels in water] Krasovskiĭ GN, et al. **Gig Sanit** 1984 Mar;(3):15–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Release of vaccinia virus from FL cells infected with the IHD–W strain. Tsutsui K. **J Electron Microsc (Tokyo)** 1983; 32(2):125–40

The activation of vaccinia virus infectivity by the transfer of phosphatidylserine from the plasma membrane. Ichihashi Y, et al. **Virology** 1983 Oct 30;130(2):306–17

IMMUNOLOGY

Kinetics of cytotoxic lymphocytes in efferent lymph from single lymph nodes following immunization with vaccinia virus. Issekutz TB. **Clin Exp Immunol** 1984 Jun; 56(3):515–23

Anti–viral immune response of allogeneic irradiation bone marrow chimeras: cytotoxic T cell responsiveness depends upon H–2 combination and infectious agent. Zinkernagel RM, et al. **Eur J Immunol** 1984 Jan;14(1):14–23

Immune response against vaccinia virus in rhesus monkeys: no evidence for primary MHC–restricted cytolytic T cells. Stitz L, et al. **Exp Cell Biol** 1984;52(4):237–50

Live recombinant vaccinia virus protects chimpanzees against hepatitis B. Moss B, et al. **Nature** 1984 Sep 6–11; 311(5981):67–9

[Protective antigens of the vaccinia virus] Zezerov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):82–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Synthesis of full–length, virus genomic DNA by nuclei of vaccinia–infected HeLa cells. Archard LC. **J Gen Virol** 1983 Dec;64 (Pt 12):2561–75

Effect of interferon on integrity of vaccinia virus and ribosomal RNA in infected cells. Esteban M, et al. **Virology** 1984 Apr 15;134(1):40–51

PATHOGENICITY

Pathologic effects of vaccinia virus on rabbit bone and marrow. An experimental study. Smith SR, et al. **Clin Orthop** 1983 Nov;(180):278–86

Laboratory studies on vaccinia virus. Sehgal CL. **J Commun Dis** 1983 Jun;15(2):89–99

PHYSIOLOGY

2–5A accumulates to high levels in interferon–treated, vaccinia virus–infected cells in the absence of any inhibition of virus replication. Rice AP, et al. **J Virol** 1984 Apr; 50(1):220–8

Interferon–mediated, double–stranded RNA–dependent protein kinase is inhibited in extracts from vaccinia virus–infected cells. Rice AP, et al. **J Virol** 1984 Apr; 50(1):229–36

Vaccinia virus induces cellular mRNA degradation. Rice AP, et al. **J Virol** 1983 Sep;47(3):529–39

Resistance of vaccinia virus to interferon is related to an interference phenomenon between the virus and the interferon system. Paez E, et al. **Virology** 1984 Apr 15; 134(1):12–28

[Morphological proof of vaccinia virus multiplication in enucleated cells] Klitsunova NV, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):84–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Location of DNA–binding proteins and disulfide–linked proteins in vaccinia virus structural elements. Ichihashi Y, et al. **J Virol** 1984 Jun;50(3):929–38

VACUOLATING AGENT see **SV40 VIRUS**

VACUOLES see under **ORGANOIDS**

VACUUM see under **ATMOSPHERIC PRESSURE**

VACUUM CURETTAGE see under **DILATATION AND CURETTAGE**

VACUUM EXTRACTION, OBSTETRICAL see under **EXTRACTION, OBSTETRICAL**

VAGINA

Vaginal pregnancy presenting as a suburethral cyst. Duckman S, et al. **Am J Obstet Gynecol** 1984 Jul 1; 149(5):572–3

Vaginal contraception with gossypol: a clinical study. Ratsula K, et al. **Contraception** 1983 Jun;27(6):571–6

Vaginal lubricants: effect of glycerin and egg white on sperm motility and progression in vitro. Tulandi T, et al. **Fertil Steril** 1984 Jan;41(1):151–3

An unusual intravaginal foreign body. Chapman GW Jr. **J Natl Med Assoc** 1984 Aug;76(8):811–2

Enhanced immune response in the urinary tract of the rat following vaginal immunization. Jensen J, et al. **J Urol** 1984 Jul;132(1):164–6

Serum prostaglandin precursors after vaginal examination and amniotomy. Erkkola R, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):307–10

[Correlation in the guinea pig between the appearance of vaginal leukocyte changes and mating] Pau S, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):509–12 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

A rare case of absence of vagina with the presence of functioning uterus: surgical treatment. Jasonni VM, et al. **Acta Eur Fertil** 1984 Mar–Apr;15(2):137–40

Structural anomalies of the cervix and vagina in women enrolled in the Diethylstilbestrol Adenosis (DESAD) Project. Jefferies JA, et al. **Am J Obstet Gynecol** 1984 Jan 1;148(1):59–66

Origin of the epithelium of atretic hemivaginas [letter] Toaff ME. **Am J Obstet Gynecol** 1984 May 15;149(2):237–8

The concurrence of faciоauriculovertebral spectrum and the Rokitansky syndrome. Winer–Muram HT, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):569–70

The use of pedicled transplants of sigmoid or other parts of the intestinal tract for vaginal construction. Goligher JC. **Ann R Coll Surg Engl** 1983 Nov;65(6):353–5

Amnion graft for treatment of congenital absence of the vagina. Dhall K. **Br J Obstet Gynaecol** 1984 Mar; 91(3):279–82

The congenital cervicovaginal transformation zone in young women exposed to diethylstilboestrol in utero. McDonnell JM, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):574–9

The congenital cervicovaginal transformation zone in sexually active young women. McDonnell JM, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):580–4

Benign cervicovaginal deformities in young women not exposed to diethylstilboestrol. McDonnell JM, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):585–7

The double uterus associated with an obstructed hemivagina and ipsilateral renal agenesis. Beekhuis JR, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):47–52

Hydrocolpos as a cause of urinary ascites. Narasimharao KL, et al. **Indian Pediatr** 1983 Apr;20(4):300–2

The challenges of vaginal atresia and stenosis: Nigerian experience. Unuigbe JA, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):1–4

Map of major histocompatibility complex subregions influencing vaginal septa frequency. Bonner JJ, et al. **J Immunogenet** 1983 Oct;10(5):413–6

Loop colon rectovaginoplasty for high cloacal anomaly. Harrison MR, et al. **J Pediatr Surg** 1983 Dec;18(6):885–6

Studies on the inheritance of vaginal septa in mice, a trait with low penetrance. Shire JG. **J Reprod Fertil** 1984 Jan; 70(1):333–9

A high transverse vaginal septum: sonographic findings. Ammann AM, et al. **J Ultrasound Med** 1983 Oct; 2(10):471–2

Sonographic diagnosis of vaginal ectopic ureter. Hantman SS. **J Ultrasound Med** 1983 Nov;2(11):523–4

Renal dysplasia with a single vaginal ectopic ureter: the role of computerized tomography. Utsunomiya M, et al. **J Urol** 1984 Jul;132(1):98–100

Imperforate vagina in mice: per cent incidence and surgical repair. Masangkay JS, et al. **Jikken Dobutsu** 1983 Jul; 32(3):139–44

Nonoperative construction of the vagina: two unusual cases. Broadbent TR, et al. **Plast Reconstr Surg** 1984 Jan; 73(1):117–23

Operative correction of intersexual genitals in children. Hecker WC. **Prog Pediatr Surg** 1984;17:21–31

Clinical aspects, diagnosis, and treatment of the Kaufman syndrome (hydrocolpos, hypospadias, polydactyly). Hofmann U, et al. **Prog Pediatr Surg** 1984;17:71–8

Management of agenesis of the vagina. Wiser WL, et al. **Surg Gynecol Obstet** 1984 Aug;159(2):108–12

[Congenital hydrocolpos. Diagnosed in a female 2–day–old infant] Storm K, et al. **Ugeskr Laeger** 1983 Oct 10;

145(41):3176–7 (Eng. Abstr.) **(Dan)**

[2 cases of hydrocolpos caused by vaginal atresia associated with polydactyly] Caillé G, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):477–82 (Eng. Abstr.) **(Fre)**

[Neo–vagina by sigmoid reconstruction. Apropos of 12 cases of vaginal aplasia] Guillet JL, et al. **J Chir (Paris)** 1984 Feb;121(2):81–4 (Eng. Abstr.) **(Fre)**

[Congenital absence of the vagina. Anatomo–clinical study and therapeutic results apropos of 93 cases] Lefranc JP, et al. **J Chir (Paris)** 1984 Apr;121(4):245–51 (Eng. Abstr.) **(Fre)**

[Kaufmann syndrome or VACTERL association? Discussion of a differential diagnosis] Dodinval P, et al. **J Genet Hum** 1984 Jun;32(2):129–36 (Eng. Abstr.) **(Fre)**

[Urethrovaginal atresia. Prenatal form and in utero case finding] Plauchu H, et al. **J Genet Hum** 1984 Jun; 32(2):137–9 (Eng. Abstr.) **(Fre)**

[Surgical treatment of congenital transverse septum below the cervix of the vagina] Paniel BJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):189–95 (Eng. Abstr.) **(Fre)**

[Vecchietti's operation for the formation of a neovagina: technic and results] Janisch H, et al. **Geburtshilfe Frauenheilkd** 1984 Jan;44(1):53–5 (Eng. Abstr.) **(Ger)**

[Importance of echography in examining patients with developmental defects of the uterus and vagina] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):64–7 (Eng. Abstr.) **(Rus)**

[Immediate and long–term results of the bloodless method of colpopoiesis] Sherstnev BF. **Akush Ginekol (Mosk)** 1984 May;(5):64–5 **(Rus)**

[Vaginal ectopy of the ureter] Noskov AP, et al. **Klin Khir** 1984 Jun;(6):58–9 **(Rus)**

[Mayer–Rokitansky–Küster–Hausser syndrome and associated malformations] Muñoz M, et al. **Ginecol Obstet Mex** 1982 Oct;50(306):283–7 (Eng. Abstr.) **(Spa)**

[Rokitansky–Kuster–Hauser syndrome] Sims MI, et al. **Rev Chil Pediatr** 1983 Sep–Oct;54(5):349–52 (Eng. Abstr.) **(Spa)**

ANALYSIS

Are vaginal fluid concentrations of prolactin, alpha–fetoprotein and human placental lactogen useful for diagnosing ruptured membranes? Huber JF, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1183–5

ANATOMY & HISTOLOGY

Vaginal inspection as it relates to child sexual abuse in girls under thirteen. Cantwell HB. **Child Abuse Negl** 1983; 7(2):171–6

Baboon cervical colposcopy, histology, and cytology. Micha JP, et al. **Gynecol Oncol** 1984 Mar;17(3):308–13

Vaginal molds for intracavitary curietherapy: a new method of preparation. Bertoni F, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1579–82

BLOOD SUPPLY

Vasoactive intestinal polypeptide (VIP) increases vaginal blood flow and inhibits uterine smooth muscle activity in women. Ottesen B, et al. **Eur J Clin Invest** 1983 Aug; 13(4):321–4

Vaginal vein thrombosis in pregnancy. Gitstein S, et al. **Postgrad Med J** 1983 Jun;59(692):394–5

[Differential diagnosis of varicose hemorrhage in pregnancy] Richter R, et al. **Zentralbl Gynakol** 1983;105(14):931–3 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Manipulating the Papanicolaou staining method. Role of acidity in the EA counterstain. Drijver JS, et al. **Acta Cytol (Baltimore)** 1983 Nov–Dec;27(6):693–8

HLA–DR–expressing Langerhans'–like cells in vaginal and cervical epithelium. Bjercke S, et al. **Acta Obstet Gynecol Scand** 1983;62(6):585–9

Isolation, culture and immunohistochemical identification of vaginal epithelial cells. Conti CJ, et al. **Cell Mol Biol** 1983; 29(6):501–7

Evaluation of morphological lipid patterns in vaginal exfoliated cells as an indicator of ovulation. Pati HP, et al. **Indian J Med Res** 1983 Jun;77:824–30

The correlation between LH determination in the urine (Hi–Gonavis) and serum LH, FSH, oestradiol, progesterone, prolactin levels, and vaginal cytology at midcycle. Varma TR, et al. **Int J Fertil** 1983;28(4):243–6

Ciliated bodies in cervical cytology. Rivasi F, et al. **Pathologica** 1983 May–Jun;75(1037):375–81

Filling rates of the uterovaginal sperm storage glands in the turkey. McIntyre DR, et al. **Poult Sci** 1983 Aug; 62(8):1652–6

Microscopic visualization of steroid receptor sites: a mirage? Daxenbichler G, et al. **Recent Results Cancer Res** 1984; 91:75–85

[Effect of prostaglandins in the vaginal cytologic picture] Kobilková J, et al. **Cesk Gynekol** 1983 Jun;48(5):360–1 **(Cze)**

[The effects of prostaglandins in colpocytology] Kobilková J, et al. **Cesk Gynekol** 1984 Feb;49(1):14–7 (Eng. Abstr.) **(Cze)**

[The action of prostaglandins on the vaginal cytological picture] Kobilková J, et al. **Sb Lek** 1983 Oct;85(9–10):261–5 (Eng. Abstr.) **(Cze)**

[Automatic analysis of cervicovaginal smears. III. Homogeneity and heterogeneity of cell populations in a semi–automatic and automatic program] Pasteur X, et al. **Arch Anat Cytol Pathol** 1983;31(5):292–5 (Eng. Abstr.) **(Fre)**

[Normal cells and dykaryoses in vaginal smears using a high–resolution system for quantitative analysis] Kraus H. **Fortschr Med** 1983 Dec 15;101(47–48):2189–94 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

A clinical evaluation of treatment with estriol vaginal cream versus suppository in postmenopausal women. Mattsson LA, et al. **Acta Obstet Gynecol Scand** 1983;62(5):397–401

Hormonal and cytopathological changes in vaginal and cervical smears from women undergoing chemotherapy for extragenital malignant diseases. Schachter A, et al. **Acta Obstet Gynecol Scand** 1983;62(6):621–4

Modulation of sensitivity to cervicovaginal stimulation during the estrous cycle: evidence for an extrapituitary action of LH–RH. Castro–Vazquez A, et al. **Brain Res** 1984 Jul 9;305(2):231–7

Prevention by progesterone of cervicovaginal lesions in neonatally estrogenized BALB/c mice. Jones LA, et al. **Cancer Lett** 1984 Jun;23(2):123–8

Delayed contact hypersensitivity in the vagina and skin of the guinea pig. Newmann EA, et al. **Fundam Appl Toxicol** 1983 Nov–Dec;3(6):521–7

Effect of estradiol and estriol treatment on vaginal estrogen receptors in the ovariectomized rabbit. Batra S, et al. **Gynecol Obstet Invest** 1984;17(3):163–6

Effect of estradiol dipropionate on uterine and vaginal glycogen content of Parkes (P) mice. Tripathi G. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):317–22

Androgens–induced atresia of the vagina in Sprague–Dawley female rats. Yoshida H, et al. **Jikken Dobutsu** 1983 Apr; 32(2):93–6

Comparative effect of estriol and equine conjugated estrogens on the uterus and the vagina. Phillips A, et al. **Maturitas** 1984 Mar;5(3):147–52

Multicentre study of effects of Org OD 14 on endometrium, vaginal cytology and cervical mucus in post–menopausal and oophorectomized women. Punnonen R, et al. **Maturitas** 1984 Apr;5(4):281–6

[Resorption of drugs through the vaginal wall] Bourin M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(7):717–26 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

A new peptidase isozyme which may assist in the identification of vaginal debris. Divall GB. **Forensic Sci Int** 1984 Apr;24(4):239–46

Relationship between the maturation index and lactate dehydrogenase activity in human vaginal epithelium. Punnonen R, et al. **Gynecol Obstet Invest** 1983;16(3):142–6

The identification of the precise conditions for seminal acid phosphatase (SAP) and vaginal acid phosphatase (VAP) separation by isoelectric focusing patterns. Ablett PJ. **J Forensic Sci Soc** 1983 Jul;23(3):255–6

IMMUNOLOGY

Analysis of immune responses in genital tracts of mice immunised with purified ribosomal fractions of Neisseria gonorrhoeae. Kita E, et al. **Br J Vener Dis** 1984 Aug; 60(4):219–25

Aberrent group B reactions detected in mixtures of semen and vaginal secretions possibly due to acquired B. Davies A, et al. **Forensic Sci Int** 1984 Jul;25(3):201–8

Secretory IgA antibody in cervicovaginal secretions from women with genital infection due to herpes simplex virus. Merriman H, et al. **J Infect Dis** 1984 Apr;149(4):505–10

[Detection of HBsAg in vaginal secretion, semen and saliva] Xiang PS. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):233–5 (Eng. Abstr.) **(Chi)**

[Secretory immunoglobulin A (S–IgA)/immunoglobulin A (IgA) ratio in cervico–vaginal lavage fluids] Briese V, et al. **Zentralbl Gynakol** 1984;106(9):590–5 (Eng. Abstr.) **(Ger)**

INJURIES

Self–mutilation of female genitalia as a cause of vaginal bleeding. Sinha MR. **J Indian Med Assoc** 1983 Sep; 81(5–6):86–7

Investigation of microtrauma after sexual intercourse. Norvell MK, et al. **J Reprod Med** 1984 Apr;29(4):269–71

Trauma to the bladder neck, trigone and vagina in children. Merchant WC 3d, et al. **J Urol** 1984 Apr;131(4):747–50

Postoperative rupture of the vaginal vault [letter] Powell JL. **Obstet Gynecol** 1984 Apr;63(4):603–4

Coital injuries of the vagina in non–virginal patients. Smith NC, et al. **S Afr Med J** 1983 Oct 29;64(19):746–7

INNERVATION

Hormonal and chemical modulation of ventromedial hypothalamic neurons responsive to vaginocervical stimulation. Chan A, et al. **Neuroendocrinology** 1984 Apr; 38(4):328–36

METABOLISM

Vaginal absorption of two estriol preparations. A comparative study in postmenopausal women. Mattsson LA, et al. **Acta Obstet Gynecol Scand** 1983;62(5):393–6

The autoradiographic demonstration of estrogen binding in normal human cervix and vagina during the menstrual cycle, pregnancy, and the menopause. Gould SF, et al. **Am J Anat** 1983 Oct;168(2):229–38

Analysis of metronidazole penetration into vaginal fluid by reversed–phase high–performance liquid chromatography. Davis B, et al. **Am J Obstet Gynecol** 1984 Aug 1; 149(7):802–3

Vaginal absorption of hexachlorophene during labor. Strickland DM, et al. **Am J Obstet Gynecol** 1983 Dec 1; 147(7):769–72

Tampon–induced changes in vaginal oxygen and carbon dioxide tensions. Wagner G, et al. **Am J Obstet Gynecol** 1984 Jan 15;148(2):147–50

Uterine cervix cancer. II. Vitamin A and sialic acid determination in the vaginal secretion. Luna G, et al. **Arch Invest Med (Mex)** 1983 Oct–Dec;14(4):321–30 **(Eng, Spa)**

Extent of vaginal absorption of sulphated polysaccharide from A–gen 53 in the rabbit. Wood SG, et al. **Contraception** 1984 Apr;29(4):375–83

Autoradiographic demonstration of high affinity nuclear binding and finite binding capacity of [3H]estradiol in mouse vaginal cells. Cunha GR, et al. **Endocrinology** 1983 Oct;113(4):1427–30

Transvaginal absorption of estrogens through irradiated mucosa. Greenberg H, et al. **Gynecol Oncol** 1984 Mar; 17(3):301–7

Vaginal absorption of a potent luteinizing hormone–releasing hormone analogue (leuprolide) in rats. IV: Evaluation of the vaginal absorption and gonadotropin responses by radioimmunoassay. Okada H, et al. **J Pharm Sci** 1984 Mar; 73(3):298–302

Oestrogen binding proteins in the female genital tract. Bergink EW, et al. **J Steroid Biochem** 1984 Apr; 20(4B):1057–60

Uptake and metabolism of oestriol in human target tissues. Thijssen JH, et al. **J Steroid Biochem** 1984 Apr; 20(4B):955–8

Persistence of isoconazole in vaginal secretion after single application. Täuber U, et al. **Mykosen** 1984 Feb; 27(2):97–101

[Dynamics of the occurrence of glycogen in vaginal epithelium and its interdependence during pregnancy, delivery and the early puerperal period] Nykliček O, et al. **Cesk Gynekol** 1983 Aug;48(7):480–3 (Eng. Abstr.) **(Cze)**

MICROBIOLOGY

Evaluation of a rapid method for the detection of vaginal group B streptococci in women in labor. Reardon EP, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):575–8

Application of an enzyme–linked immunosorbent assay for detection of Brucella antigens in vaginal discharge of cows. Chen IM, et al. **Am J Vet Res** 1984 Jan;45(1):32–4

In vitro and in vivo adherence of Candida albicans to mucosal surfaces. Lehrer N, et al. **Ann Microbiol (Paris)** 1983 Sep–Oct;134(2):293–306

Cervical–vaginal bacterial flora in patients with cervical carcinoma treated with irradiation and febrile morbidity during intracavitary radium therapy. Choo YC, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):34–8

A study of the susceptibility of three species of primate to vaginal colonization with Gardnerella vaginalis. Johnson AP, et al. **Br J Exp Pathol** 1984 Jun;65(3):389–96

Clostridium difficile in the genital tract [letter] Levett PN. **Br J Vener Dis** 1984 Aug;60(4):276

Studies on the bacterial flora of the female genital tract of sheep. Moorthy AR, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):15–8

Specific cross–protective antigonococcal immunity in the murine genital tract. Corbeil LB, et al. **Can J Microbiol** 1984 Apr;30(4):482–7

Vaginal and endocervical bacterial contamination in IUD users. Marino L, et al. **Clin Exp Obstet Gynecol** 1984; 11(1–2):43–8

Effects of contraceptive vaginal ring treatment on vaginal bacteriology and cytology. Schwan A, et al. **Contraception** 1983 Oct;28(4):341–7

Mutations in E coli cistrons affecting adhesion to human cells do not abolish Pap pili fiber formation. Norgren M, et al. **EMBO J** 1984 May;3(5):1159–65

Effects of subinhibitory concentrations of ketoconazole on in vitro adherence of Candida albicans to vaginal epithelial cells. Sobel JD, et al. **Eur J Clin Microbiol** 1983 Oct; 2(5):445–52

Characterization of Staphylococcus saprophyticus strains isolated from the urethra and the vagina. Tselenis–Kotsowilis A, et al. **Eur J Clin Microbiol** 1983 Oct;2(5):476–7

Chlorhexidine for prevention of neonatal colonization with group B streptococci. II. Chlorhexidine concentrations and recovery of group B streptococci following vaginal washing in pregnant women. Dykes AK, et al.

Eur J Obstet Gynecol Reprod Biol 1983 Nov;16(3):167–72

Adherence of group B streptococci isolated from man and cattle to human and bovine epithelial cells. Kubín V, et al. **Folia Microbiol (Praha)** 1983;28(6):496–501

Effects of vaccination with SolcoTrichovac on the vaginal flora and the morphology of the Doederlein bacilli. Goisis M, et al. **Gynakol Rundsch** 1983;23 Suppl 2:56–63

Changes in the vaginal flora of trichomoniasis patients after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:50–5

Quantitative vaginal microflora in women convalescent from toxic shock syndrome and in healthy controls. Chow AW, et al. **Infect Immun** 1984 Jun;44(3):650–2

Semiquantitative culture of Gardnerella vaginalis in laboratory determination of nonspecific vaginitis. Ratnam S, et al. **J Clin Microbiol** 1983 Aug;18(2):344–7

Isolation of Gardnerella vaginalis from women attending gynaecological clinics and general practice surgeries [letter] Dyas A, et al. **J Clin Pathol** 1984 Jul;37(7):839–40

Antimicrobial effect of chlorhexidine and povidone–iodine on vaginal bacteria. Vorherr H, et al. **J Infect** 1984 May; 8(3):195–9

Selective intrapartum chemoprophylaxis of neonatal group B streptococcal early–onset disease. II. Predictive value of prenatal cultures. Boyer KM, et al. **J Infect Dis** 1983 Nov;148(5):802–9

Vaginal colonization with Staphylococcus aureus, positive for toxic–shock marker protein, and Escherichia coli in healthy women. Chow AW, et al. **J Infect Dis** 1984 Jul; 150(1):80–4

Clinical and microbiological characterization of patients with nonspecific vaginosis associated with motile, curved anaerobic rods. Thomason JL, et al. **J Infect Dis** 1984 May; 149(5):801–9

Vaginal carriage and neonatal acquisition of Clostridium difficile. Tabaqchali S, et al. **J Med Microbiol** 1984 Aug; 18(1):47–53

Mannose–sensitive adherence of Escherichia coli to epithelial cells from women with recurrent urinary tract infections. Schaeffer AJ, et al. **J Urol** 1984 May;131(5):906–10

Immunity in the female genital tract after intravaginal vaccination of mice with an attenuated strain of herpes simplex virus type 2. McDermott MR, et al. **J Virol** 1984 Sep;51(3):747–53

Proliferation of Pasteurella pneumotropica at oestrus in the vagina of rats. Yamada S, et al. **Lab Anim** 1983 Oct; 17(4):261–6

Studies of cervicovaginal smears for the presence of actinomycetes. Jones JB, et al. **Mycopathologia** 1983; 83(1):53–5

Vaginal candidosis. Opportunistic factors and clinical correlation in 600 patients. López–Martínez R, et al. **Mycopathologia** 1984 Apr 15;85(3):167–70

Bacterial flora of the vagina: quantitative study. Bartlett JG, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S67–72

Correlative relationship between adherence of Candida albicans to human vaginal epithelial cells in vitro and candidal vaginitis. Segal E, et al. **Sabouraudia** 1984; 22(3):191–200

Microbial flora in women showing symptoms of nonspecific vaginosis: applicability of KOH test for diagnosis. Erkkola R, et al. **Scand J Infect Dis [Suppl]** 1983;40:59–63

Influence of metronidazole treatment on the vaginal microbiological flora. Fredricsson B, et al. **Scand J Infect Dis [Suppl]** 1983;40:91–4

Anaerobic comma–shaped bacteria recovered from the human genital tract. A review. Holst E, et al. **Scand J Infect Dis [Suppl]** 1983;40:23–30 (31 ref.)

In vitro interactions between lactobacilli and other microorganisms occurring in the vaginal flora. Mårdh PA, et al. **Scand J Infect Dis [Suppl]** 1983;40:47–51

Physiology and ecology of the vagina. Paavonen J. **Scand J Infect Dis [Suppl]** 1983;40:31–5

Diagnosis and therapy of nonspecific vaginitis. Correlation between KOH–test, clue cells and microbiology. Petersen EE, et al. **Scand J Infect Dis [Suppl]** 1983;40:97–9

Antimicrobial susceptibility of comma–shaped bacteria isolated from the vagina. Skarin A, et al. **Scand J Infect Dis [Suppl]** 1983;40:81–4

Gardnerella vaginalis and anaerobic bacteria in the etiology of bacterial (nonspecific) vaginosis. Spiegel CA, et al. **Scand J Infect Dis [Suppl]** 1983;40:41–6

Epidemiology of Mycoplasma hominis. McCormack WM. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):261–2

Isolation and characterization of group B streptococci from genito–urinary tracts in Japan. Yamane N, et al. **Tohoku J Exp Med** 1983 Nov;141(3):327–35

Incidence of genital mycoplasmas in women at the time of diagnostic laparoscopy. Cassell GH, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):557–63

Aerobic microflora of the vaginal vestibule, vaginal fornix and uterine cervix in women with normal pregnancy and with imminent premature delivery. Rybakowski L, et al. **Zentralbl Gynakol** 1983;105(17):1143–4

[First experience with the diagnosis of Gardnerella vaginalis] Wolfová J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jan;33(1):16–20 (Eng. Abstr.) **(Cze)**

[Vaginal biocenosis in IUD users] Havlík I, et al. **Cesk Gynekol** 1984 Jun;49(5):334–7 (Eng. Abstr.) **(Cze)**

[A new look at the vaginal biocenosis and vaginal inflammations] Koleta F. **Cesk Gynekol** 1984 Jun; 49(5):371–4 **(Cze)**

[Adherence of Staphylococcus epidermidis, Escherichia coli and Corynebacterium vaginale to vaginal epithelial cells of healthy women and patients with chronic inflammation of the adnexa] Mikulíková L, et al. **Cesk Gynekol** 1984 Jun;49(5):329–33 (Eng. Abstr.) **(Cze)**

[Incidence of group B streptococci in women] Skalka B, et al. **Cesk Gynekol** 1983 Dec;48(10):726–30 (Eng. Abstr.) **(Cze)**

[Submicroscopic aspects of the adherence of group B streptococci to vaginal epithelial cells] Rýc M, et al. **Vet Med (Praha)** 1984 May;29(5):263–70 (Eng. Abstr.) **(Cze)**

[Changes in the microflora after abdominal hysterectomy] Poulsen HK, et al. **Ugeskr Laeger** 1983 Sep 26; 145(39):3005–7 (Eng. Abstr.) **(Dan)**

[Bacteriology, mycology and parasitology of the vagina. Occurrence and clinical significance of various forms of microorganisms] Jenny J. **Praxis** 1983 Nov 29; 72(48):1515–20 (Eng. Abstr.) **(Ger)**

[Bacteriology, mycology and parasitology of the vagina. Microscopic findings in smears] Jenny J. **Praxis** 1983 Nov 29;72(48):1509–14 (Eng. Abstr.) **(Ger)**

[Microflora of the birth canal and an intrauterine catheter system following use of polyvinylpyrrolidone iodine for subpartal disinfection of the vaginal mucosa] Kronjäger A, et al. **Z Geburtshilfe Perinatol** 1984 Jan–Feb;188(1):29–33 (Eng. Abstr.) **(Ger)**

[Role of genital mycoplasmas in prematurity] Baumann L, et al. **Zentralbl Gynakol** 1983;105(17):1122–5 **(Ger)**

[Qualitative–quantitative occurrence of aerobic germs and determination of microaerophils and anaerobes in the vaginal content of pregnant women in the 1st trimester] Spitzbart H, et al. **Zentralbl Gynakol** 1983;105(17):1118–21 **(Ger)**

[Study of vaginal microbes during gynecologic cancer screening] Ternai A, et al. **Orv Hetil** 1984 Mar 25; 125(13):753–5 (Eng. Abstr.) **(Hun)**

[Bacteriological study at the vaginal level in sexually active women] Altomare GF, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):328–32 (Eng. Abstr.) **(Ita)**

[Toxic–shock syndrome (TSS)—report of 2 cases and a study on vaginal flora and sanitary products used during menstruation] Ochiai K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep; 35(9):1689–92 **(Jpn)**

[Disorders of vaginal biocenosis in women with risk of genital cancer] Kuczyńska K, et al. **Probl Med Wieku Rozwoj** 1983; 12:208–12 (Eng. Abstr.) **(Pol)**

[Micromethods and rapid technics for study of group B Streptococci, isolated from vaginal secretion] Mihalcu F, et al. **Rev Ig [Bacteriol]** 1983 Apr–Jun;28(2):179–86 (Eng. Abstr.) **(Rum)**

[Changes in vaginal biocenosis after administration of the preparation econazol nitrate] Valent M, et al. **Bratisl Lek Listy** 1983 Aug;80(2):203–7 (Eng. Abstr.) **(Slo)**

[Anaerobic non–sporulating bacterial flora in gynecological material] Zahradníková I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):162–6 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Unusual and giant forms of trichomonas vaginalis [letter] Buckner SB, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct; 27(5):549–50

PATHOLOGY

Vagina invasion by cervical carcinoma. Chen NJ. **Acta Med Okayama** 1984 Jun;38(3):305–13

The symptomatology of the climacteric in relation to hormonal and cytological factors. James CE, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):56–62

[Discrimination parameters for cellular polymorphism in dysplasias of the vaginal mucosa] Bentura Remacha ML, et al. **Rev Esp Oncol** 1982;29(2):283–8 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Relationships among intravaginal pressure, orgasmic function, parity factors, and urinary leakage. Freese MP, et al. **Arch Sex Behav** 1984 Jun;13(3):261–8

A vaginal temperature registration system. Fugl–Meyer AR, et al. **Arch Sex Behav** 1984 Jun;13(3):247–60

Volunteer bias in research employing vaginal measures of sexual arousal. Wolchik SA, et al. **Arch Sex Behav** 1983 Oct;12(5):399–408

Dorsolateral funiculus and intraspinal pathways mediate vaginal stimulation–induced suppression of nociceptive responding in rats. Watkins LR, et al. **Brain Res** 1984 Feb 27;294(1):59–65

Human vaginal pH and sexual arousal. Wagner G, et al. **Fertil Steril** 1984 Mar;41(3):389–94

Vaginal dilation in the treatment of dyspareunia. Boylan P, et al. **Ir Med J** 1984 Apr;77(4):104–5

Temporal relationships between hormonal concentrations and the electrical resistance of the vaginal tract of blue foxes (Alopex lagopus) at pro–oestrus and oestrus. Møller OM, et al. **J Reprod Fertil** 1984 Jan;70(1):15–24

Influence of age and artificial vaginal stimulation on fertility in female bank voles (Clethrionomys glareolus). Westlin LM, et al. **J Reprod Fertil** 1984 May;71(1):103–6

Vaginal erotic sensitivity. Alzate H, et al. **J Sex Marital Ther** 1984 Spring;10(1):49–56

The Grafenberg spot and female ejaculation: a review of initial hypotheses. Goldberg DC, et al. **J Sex Marital Ther** 1983 Spring;9(1):27–37

G Spot co–author replies to Hoch and Alzate [letter] Perry JD. **J Sex Marital Ther** 1984 Summer;10(2):142–4

Low threshold mechanical stimulation of the vagina depresses dorsal horn unit activity in the spinal cat. Henry JL. **Neurosci Lett** 1983 Aug 8;38(3):257–62

A review of female ejaculation and the Grafenberg spot. Belzer EG Jr. **Women Health** 1984 Spring;9(1):5–16 (25 ref.)

PHYSIOPATHOLOGY

Urodynamic effects of a vaginal pessary in women with stress urinary incontinence. Bhatia NN, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):876–84

Electromyographic (EMG) urodynamic anal probe as a diagnostic tool in the management of sexual dysfunctions in female spinal cord injured patients. Leyson JF. **J Am Paraplegia Soc** 1983 Oct;6(4):79–80

RADIOGRAPHY

[The value of the colpocystogram in the diagnosis and therapeutic indications of urinary incontinence in women] Scali P, et al. **Acta Urol Belg** 1984 Apr;52(2):156–63 **(Fre)**

SECRETION

Cancer of the uterine cervix. I. Changes in the pool of aminoacids in the vaginal secretion. Luna G, et al. **Arch Invest Med (Mex)** 1983;14(3):299–307 **(Eng, Spa)**

IgA antibodies in the vaginal secretion after vaccination with SolcoTrichovac. Milovanović R, et al. **Gynakol Rundsch** 1983;23 Suppl 2:46–9

[Assay of IgA specific anti–Trichomonas vaginalis in vaginal secretions by indirect immunofluorescence] Martinotti MG, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun; 75(1–6):189–95 (Eng. Abstr.) **(Ita)**

SURGERY

The Burch colposuspension procedure. Stanton SL. **Acta Urol Belg** 1984 Apr;52(2):280–2

Plastic surgical postero–lateral redirection extension vulvo–vaginoplasty. Burt JC, et al. **Ann Chir Gynaecol** 1983;72(5):268–73

The use of pedicled transplants of sigmoid colon or other parts of the intestinal tract for vaginal reconstruction [letter] **Ann R Coll Surg Engl** 1984 May;66(3):223

Vaginal forms for dilatation and/or to maintain vaginal patency. Rock JA, et al. **Fertil Steril** 1984 Aug;42(2):187–90

Immediate vaginal reconstruction following resection for malignancy using the gluteal thigh flap. Achauer BM, et al. **Gynecol Oncol** 1984 Sep;19(1):79–89

Vaginal removal of the ovaries in association with vaginal hysterectomy. Capen CV, et al. **J Reprod Med** 1983 Sep; 28(9):589–91

Gracilis myocutaneous vaginal reconstruction. Heath PM, et al. **Mayo Clin Proc** 1984 Jan;59(1):21–4

Vaginal reconstruction performed simultaneously with pelvic exenteration. Berek JS, et al. **Obstet Gynecol** 1984 Mar; 63(3):318–23

Construction of a neovagina after exenteration using the vulvobulbocavernosus myocutaneous graft. Hatch KD. **Obstet Gynecol** 1984 Jan;63(1):110–4

Posthysterectomy vault prolapse: sacral colpopexy with dura mater graft. Lansman HH. **Obstet Gynecol** 1984 Apr; 63(4):577–82

Plastic operations of the adrenogenital syndrome. Flach A, et al. **Prog Pediatr Surg** 1984;17:39–48

Combined reconstruction of the rectum and vagina following irradiation and surgical treatment for clear cell carcinoma. Bricker EM, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):166–70

Results after operative correction of virilized female genitalia in children with congenital adrenal hyperplasia (CAH). Borgwardt G, et al. **Z Kinderchir** 1984 Feb;39(1):55–8

[Preliminary report on the surgical formation of a cervix and neovagina in congenital malformation with hematometra and hematosalpinx] Mirkov K, et al. **Akush Ginekol (Sofiia)** 1983;22(3):215–7 (Eng. Abstr.) **(Bul)**

[Therapy of incontinence by fixation of the vagina to a pyramidal flap. 200 cases] de Leval J, et al. **Acta Urol Belg** 1984 Apr;52(2):286–90 (Eng. Abstr.) **(Fre)**

[Treatment of 282 cases of urinary stress incontinence by retropubic colpopexy to Cooper's ligaments] Lefranc JP, et al. **J Chir (Paris)** 1983 Dec;120(12):707–11 (Eng. Abstr.) **(Fre)**

[Sterilization by colpoceliotomy] Heidenreich W. **Fortschr Med** 1983 Nov 3;101(41):1855–9 (Eng. Abstr.) **(Ger)**

[Cutaneous ureterostomy using vaginal cuff for experimental split renal function studies] Hiratsuka Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):547–54 (Eng. Abstr.) **(Jpn)**

[Morpho–functional characteristics of the artificial vagina] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1983 Jul;

(7):64–7 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Vaginal cuff cutaneous ureterostomy as a model for split renal function study in dog. Ariyoshi A, et al. **Urol Int** 1983; 38(6):346–50

ULTRASTRUCTURE

[Comparison of the karyopycknotic index with estradiol levels in blood and its clinical significance] Strnad P, et al. **Cesk Gynekol** 1983 Jul;48(6):425–31 (Eng. Abstr.) (Cze)

VAGINAL CREAMS, FOAMS AND JELLIES

An user acceptability study of vaginal spermicides in combination with barrier methods or an IUCD. Black C, et al. **Contraception** 1983 Aug;28(2):103–10

ADMINISTRATION & DOSAGE

New developments in vaginal contraception. **Popul Rep [H]** 1984 Jan–Feb;(7):H157–90 (438 ref.)

PHARMACODYNAMICS

Quantitative evaluation of the spermicidal potencies of vaginal contraceptives with a transmembrane migration method. Hong CY, et al. **Clin Reprod Fertil** 1983 Mar; 2(1):33–8

Evaluation of the in vivo efficacy of a new vaginal contraceptive agent in stumptailed macaques. Zaneveld LJ, et al. **Fertil Steril** 1984 Mar;41(3):455–9

VAGINAL DISEASES

The challenges of vaginal atresia and stenosis: Nigerian experience. Onuigbe JA, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):1–4

CHEMICALLY INDUCED

[Ano–recto–vaginal ulcerations caused by suppositories containing dextropropoxyphene] Laplanche G, et al. **Ann Dermatol Venereol** 1984;111(4):347–55 (Eng. Abstr.) (Fre)

COMPLICATIONS

[Repeated surgical treatment of vaginal eversion with recurrent urinary incontinence following total hysterectomy] Hardy JC. **Acta Urol Belg** 1984 Apr; 52(2):336–7 (Eng. Abstr.) (Fre)

DIAGNOSIS

Rapid diagnosis of herpesvirus hominis infection of cervix and vagina before delivery. Bujko–Klisura M, et al. **Clin Exp Obstet Gynecol** 1984;11(3):69–71

Two pigmented lesions of the female genital system. Blue nevus of the uterine endocervix and melanin pigmentation of the vagina. Toncini C, et al. **Eur J Gynaecol Oncol** 1984; 5(1):76–84

[Campylobacter in gynecological practice] Mendl V, et al. **Cesk Gynekol** 1983 Nov;48(9):666–71 (Eng. Abstr.) (Cze)

[Genital hemorrhage in prepubertal girls. Apropos of 33 cases] David L, et al. **Ann Pediatr (Paris)** 1984 Jan; 31(1):55–61 (Eng. Abstr.) (Fre)

DRUG THERAPY

[Vaginal mycosis. Therapy with chlorphenesin] Bambas W. **ZFA (Stuttgart)** 1983 Jul 20;59(20):1146–8 (Ger)

ETIOLOGY

Iatrogenic rape of a fourteen–year–old girl: a note. Lesnik–Oberstein M. **Child Abuse Negl** 1982;6(1):103–4

True hermaphroditism with vaginomegaly: a cause of pseudo–urinary tract infection. Anderson SW, et al. **J Pediatr** 1983 Oct;103(4):595–7

Vaginal calculus in female with myelodysplasia. Sant GR, et al. **Urology** 1983 Sep;22(3):294–6

[Myiasis of the female external genitalia caused by Chrysomyia bezziana in Fujian] Hu LL. **Chi Sheng Ch'ang Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(2):120 (Chi)

[Congenital hydrocolpos. Diagnosed in a female 2–day–old infant] Storm K, et al. **Ugeskr Laeger** 1983 Oct 10; 145(41):3176–7 (Eng. Abstr.) (Dan)

[2 cases of hydrocolpos caused by vaginal atresia associated with polydactyly] Caillé G, et al. **Ann Radiol (Paris)** 1983 Sep–Oct;26(6):477–82 (Eng. Abstr.) (Fre)

[Rupture of the vaginal vault with prolapse of the small intestine] Rauter B. **Wien Klin Wochenschr** 1984 Jun 8; 96(12):473–4 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Detection of Mycoplasma hominis antigen in clinical specimens by using a four–layer modification of enzyme immunoassay (EIA). Miettinen A, et al. **J Immunol Methods** 1984 Apr 27;69(2):267–75

MICROBIOLOGY

Enhancement of experimental Mycoplasma pulmonis infection of the mouse genital tract by progesterone treatment. Furr PM, et al. **J Hyg (Lond)** 1984 Apr; 92(2):139–44

[Bacteriology, mycology and parasitology of the vagina. Microscopic findings in smears] Jenny J. **Praxis** 1983 Nov 29;72(48):1509–14 (Eng. Abstr.) (Ger)

[Incidence of genital chlamydia and mycoplasma infections in women] Mösinger–Lundgren V, et al. **Z Hautkr** 1984 Jan 1;59(1):43–7 (Eng. Abstr.) (Ger)

[The significance of vaginal fluid substances as growth media in genital mycosis] Neumann G, et al. **Zentralbl Gynakol** 1984;106(5):325–30 (Eng. Abstr.) (Ger)

[Cervical mucus before and after cryotherapy of benign changes in the vaginal part of the cervix uteri] Marić R, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):81–3 (Eng. Abstr.) (Scr)

OCCURRENCE

Are rectogenital chlamydial infections a marker of sexual abuse in children? Hammerschlag MR, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):100–4

Vaginal Chlamydia trachomatis infection in children with sexual contact. Ingram DL, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):97–9

PARASITOLOGY

Egg of Ascaris lumbricoides in cervicovaginal smear [letter] Bhambhani S. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):92

Balantidium coli in cervico–vaginal cytology. A case report. Rivasi F, et al. **Pathologica** 1983 May–Jun;75(1037):439–42

PATHOLOGY

Atypical vaginal adenosis and cervical ectropion. Association with clear cell adenocarcinoma in diethylstilbestrol–exposed offspring. Robboy SJ, et al. **Cancer** 1984 Sep 1;54(5):869–75

A hypothetic mechanism of diethylstilbestrol(DES)–induced anomalies in exposed progeny. Robboy SJ. **Hum Pathol** 1983 Oct;14(10):831–3

Transition of vaginal adenosis to clear cell carcinoma [letter] Sandberg EC. **Obstet Gynecol** 1984 Apr;63(4):601–2

[Discrimination parameters for cellular polymorphism in dysplasias of the vaginal mucosa] Bentura Remacha ML, et al. **Rev Esp Oncol** 1982;29(2):283–8 (Eng. Abstr.) (Spa)

SURGERY

The management of hydrocolpos. Dell'Agnola CA, et al. **Acta Eur Fertil** 1984 Jan–Feb;15(1):51–7

Evacuation of smoke from laser surgery in the vagina [letter] MacLachlan TB. **Can Med Assoc J** 1983 Nov 15; 129(10):1082

Repair of urinary tract fistulas with bulbocavernosus myocutaneous flaps. Hoskins WJ, et al. **Obstet Gynecol** 1984 Apr;63(4):588–93

[Morpho–functional characteristics of the artificial vagina] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1983 Jul; (7):64–7 (Eng. Abstr.) (Rus)

[Cervical mucus before and after cryotherapy of benign changes in the vaginal part of the cervix uteri] Marić R, et al. **Jugosl Ginekol Opstet** 1983 May–Aug;23(3–4):81–3 (Eng. Abstr.) (Scr)

THERAPY

Management of noncongenital vaginal stenosis and distortion by the bicycle seat stool pressure technique. Williams JK, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):166–7

Vaginal drainage of posthysterectomy abscess under direct ultrasonic guidance. McArdle CR, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):90S–92S

Infection of the minor vestibular gland. Woodruff JD, et al. **Obstet Gynecol** 1983 Nov;62(5):609–12

TRANSMISSION

The role of the vaginal colonization of the medical and paramedical staff in the nosocomial transmission of group–B streptococcus. Concia E, et al. **Clin Exp Obstet Gynecol** 1984;11(3):90–5

VETERINARY

Pyometra and pyovagina in koalas. Canfield PJ, et al. **Aust Vet J** 1983 Nov;60(11):337–8

VAGINAL FISTULA

ETIOLOGY

Ureteral strictures and fistulae following radical hysterectomy. Hatch KD, et al. **Gynecol Oncol** 1984 Sep; 19(1):17–23

Carcinoma of the vagina presenting as a ruptured procidentia with an entero–vaginal fistula and prolapse of the small bowel. Howat JM, et al. **Postgrad Med J** 1984 Jun; 60(704):435–6

[Malignant tumorous urogenital fistula. Apropos of 19 cases] Filimon C, et al. **J Urol (Paris)** 1983;89(8):573–9 (Eng. Abstr.) (Fre)

RADIOGRAPHY

[Diagnosis of rectal atresia with fistulae in the vaginal vestibule and perineum] Levin MD. **Khirurgiia (Mosk)** 1984 Mar;(3):79–84 (Eng. Abstr.) (Rus)

SURGERY

Urethrovaginal fistula: a review of the surgical management. Webster GD, et al. **J Urol** 1984 Sep;132(3):460–2

VETERINARY

Post spaying vaginal discharge in a bitch caused by acquired vaginoureteral fistula. De Baerdemaecker GC. **Vet Rec** 1984 Jul 21;115(3):62

VAGINAL NEOPLASMS

Primary cancer of the vagina in North Thailand. Theetranont C, et al. **J Med Assoc Thai** 1983 Jun;66(6):329–32

ANALYSIS

Identification of human papillomavirus DNA in cervical and vaginal intraepithelial neoplasia with molecularly cloned virus–specific DNA probes. Okagaki T, et al. **Int J Gynecol Pathol** 1983;2(2):153–9

CHEMICALLY INDUCED

Vaginal adenosis and diethylstilboestrol. Emens M. **Br J Hosp Med** 1984 Jan;31(1):42–8

Genital clear cell adenocarcinoma. Johnston GA Jr, et al. **Int Surg** 1983 Jul–Sep;68(3):257–61

Carbon dioxide laser treatment of vaginal adenosis in DES–exposed offspring: a prospective study. Bellina JH, et al. **Lasers Surg Med** 1983;3(1):23–8

[Lung metastasis in diethylstilbestrol–induced vaginal cancer] Lanser K, et al. **Prax Klin Pneumol** 1984 Apr;38(4):126–8 (Eng. Abstr.) (Ger)

COMPLICATIONS

Carcinoma of the vagina presenting as a ruptured procidentia with an entero–vaginal fistula and prolapse of the small bowel. Howat JM, et al. **Postgrad Med J** 1984 Jun; 60(704):435–6

[Adult T–cell leukemia (ATL) associated with M–protein, polyneuropathy and vaginal cancer: long–term pulmonary involvement of ATL cells] Kohrogi H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb;22(2):154–9 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Carcinoma in situ of the vagina. Benedet JL, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):695–700

Sarcoma botryoides of the vagina. Rao PL, et al. **Indian J Pediatr** 1983 Jul–Aug;50(405):445–8

[Clinical course and radiotherapy of primary vaginal cancer (362 cases)] Kucera H, et al. **Geburtshilfe Fraunheilkd** 1983 Jul;43(7):443–7 (Eng. Abstr.) (Ger)

[Vaginal rhabdomyosarcoma in children] Durnov LA, et al. **Akush Ginekol (Mosk)** 1983 Jul;(7):48–50 (Eng. Abstr.) (Rus)

ETIOLOGY

Neoplasia in the vagina following hysterectomy for dysplasia or carcinoma in situ of the uterine cervix. Rasmussen J, et al. **Acta Obstet Gynecol Scand** 1983;62(5):437–41

Chlamydial proctitis—unusual presentation as a symptomatic vaginal mass. Schuch RJ, et al. **Obstet Gynecol** 1984 Jan; 63(1):132–4

MICROBIOLOGY

Presence of human papillomavirus in verrucous carcinoma (Ackerman) of the vagina. Immunocytochemical, ultrastructural, and DNA hybridization studies. Okagaki T, et al. **Arch Pathol Lab Med** 1984 Jul;108(7):567–70

MORTALITY

Primary invasive carcinoma of the vagina. Benedet JL, et al. **Obstet Gynecol** 1983 Dec;62(6):715–9

OCCURRENCE

Malignant melanoma of the vagina in a black woman. Fleming P, et al. **Hawaii Med J** 1983 Dec;42(12):406–10

Parallels in the epidemiology of selected anogenital carcinomas. Peters RK, et al. **JNCI** 1984 Mar;72(3):609–15

Genital clear cell adenocarcinoma in young women in Ohio. Johnston GA Jr, et al. **Ohio State Med J** 1983 Jul; 79(7):544–7

PATHOLOGY

Paravaginal wolffian duct (mesonephros) adenocarcinoma: a light and electron microscopic study. Hinchey WW, et al. **Am J Clin Pathol** 1983 Oct;80(4):539–44

Vaginal carcinoma arising in vaginal condylomata. Case report. Beck I, et al. **Br J Obstet Gynaecol** 1984 May; 91(5):503–5

Malignant lymphoma and granulocytic sarcoma of the uterus

and vagina. A clinicopathologic analysis of 27 cases. Harris NL, et al. **Cancer** 1984 Jun 1;53(11):2530–45

Atypical vaginal adenosis and cervical ectropion. Association with clear cell adenocarcinoma in diethylstilbestrol–exposed offspring. Robboy SJ, et al. **Cancer** 1984 Sep 1;54(5):869–75

Primary leiomyosarcoma of the vagina: a study of five cases. Rastogi BL, et al. **Gynecol Oncol** 1984 May;18(1):77–86

Coexistent breast and vaginal granulocytic sarcoma. Socinski MA, et al. **Gynecol Oncol** 1983 Oct;16(2):299–304

Endodermal sinus tumor of the vagina: a report of nine cases and review of the literature. Young RH, et al. **Gynecol Oncol** 1984 Jul;18(3):380–92

Intraepithelial involvement of endometrium, fallopian tube and vagina by cervical carcinoma. Sandhyamani S, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):299–303

Microinvasive squamous cell carcinoma of the vagina. Dini MM, et al. **J Natl Med Assoc** 1984 Jul;76(7):709–11

Endodermal sinus (yolk sac) tumors in pediatric oncology. Report on 14 cases. Liebhart M. **Neoplasma** 1984; 31(2):237–41

Transition of vaginal adenosis to clear cell carcinoma [letter] Sandberg EC. **Obstet Gynecol** 1984 Apr;63(4):601–2

[Association of a malignant vaginal melanoma with vaginal melanosis and a blue nevus of the cervix. Apropos of a case] Cerez–Pham H, et al. **Arch Anat Cytol Pathol** 1984; 32(1):48–51 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Topometric preparation for interstitial gamma–therapy of patients with recurrences and metastases of uterine cancer to the vagina] Bal'ter SA, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):75–8 **(Rus)**

RADIOTHERAPY

The Syed–Neblett interstitial template in locally advanced gynecological malignancies. Ampuero F, et al. **Int J Radiat Oncol Biol Phys** 1983 Dec;9(12):1897–903

Radiation therapy of primary vaginal carcinoma. Nori D, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1471–5

[Standardization of reference points for gynecologic radiotherapy] Tode G, et al. **Radiobiol Radiother (Berl)** 1984;25(3):489–92 (Eng. Abstr.) **(Ger)**

[Effect of brachytherapy and teletherapy on treatment results in primary vaginal cancer] Kucera H, et al. **Strahlentherapie** 1984 Mar;160(3):184–90 (Eng. Abstr.) **(Ger)**

[Standardization of reference points in gynecologic radiotherapy] Tode G, et al. **Zentralbl Gynakol** 1984; 106(9):620–3 (Eng. Abstr.) **(Ger)**

[Interstitial gamma therapy of recurrences and metastases of cancer of the uterus and rectum to the vagina] Androsov NS, et al. **Med Radiol (Mosk)** 1984 Jan;29(1):48–54 (Eng. Abstr.) **(Rus)**

[Devices for interstitial radiotherapy of recurrences and metastases of uterine cancer to the vagina] Shpikalov VL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):72–5 **(Rus)**

SECONDARY

Vagina invasion by cervical carcinoma. Chen NJ. **Acta Med Okayama** 1984 Jun;38(3):305–13

Hypernephroma presenting as a vaginal metastasis. Case report. O'Reilly AP, et al. **Br J Obstet Gynaecol** 1984 Aug; 91(8):812–5

Vaginal metastasis from unsuspected renal cell carcinoma. Porena M, et al. **Clin Exp Obstet Gynecol** 1983; 10(2–3):135–9

Gestational trophoblastic disease: the significance of vaginal metastases. Bloch B, et al. **Gynecol Oncol** 1983 Oct; 16(2):169–78

[Vaginal bleeding as the presenting symptom of adenocarcinoma of the kidney] Vedel T, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3668 (Eng. Abstr.) **(Dan)**

[Treatment possibilities in uterine cancer recurrences and metastases to the vagina] Shpikalov VL. **Akush Ginekol (Mosk)** 1984 Apr;(4):52–4 (Eng. Abstr.) **(Rus)**

SURGERY

The role of surgical resection when combined with chemotherapy and radiation in the management of pelvic rhabdomyosarcoma. Fleming ID, et al. **Ann Surg** 1984 May; 199(5):509–14

Alveolar soft–part sarcoma of the vagina. Chapman GW, et al. **Gynecol Oncol** 1984 May;18(1):125–9

THERAPY

Systemic interferon alpha treatment of human condylomata acuminata. Einhorn N, et al. **Acta Obstet Gynecol Scand** 1983;62(3):285–7

The management of vaginal intraepithelial neoplasia after hysterectomy. Woodman CB, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):707–11

Multimodality treatment of adenocarcinoma of the vagina Stage IV: potential for cure. Abitbol A, et al. **Gynecol Oncol** 1983 Oct;16(2):296–8

Treatment of vaginal flat condyloma with interferon cream [letter] Vesterinen E, et al. **Lancet** 1984 Jan 21;1(8369):157

[Use of radon waters in treating endometriosis patients] Baskakov VP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):38–40 **(Rus)**

VETERINARY

Vulvar and vaginal tumors in the dog: a retrospective study. Thacher C, et al. **J Am Vet Med Assoc** 1983 Sep 15; 183(6):690–2

VAGINAL PROLAPSE see **UTERINE PROLAPSE**

VAGINAL SMEARS

Cytologic detection of Enterobius vermicularis and Strongyloides stercoralis in routine cervicovaginal smears and urocytograms. Avram E, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):468–70

Egg of Ascaris lumbricoides in cervicovaginal smear [letter] Bhambhani S. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):92

Unusual and giant forms of trichomonas vaginalis [letter] Buckner SB, et al. **Acta Cytol (Baltimore)** 1983 Sep–Oct; 27(5):549–50

Chlamydial infection in Papanicolaou–stained cervical smears. de Borges RJ, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):471–6

Curschmann's spirals in cervicovaginal smears [letter] Hollander DH. **Acta Cytol (Baltimore)** 1984 Jul–Aug; 28(4):518

Exfoliative cytology in the evaluation of interferon treatment of cervical intraepithelial neoplasia. Hsu C, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):111–7

Curschmann's spirals in cervicovaginal smears. Prevalence, morphology, significance and origin. Novak PM, et al. **Acta Cytol (Baltimore)** 1984 Jan–Feb;28(1):5–8

Scanning electron microscopy of koilocytotic atypia [letter] Recher L. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):516–7

Invasive cervical cancer in a cytologically screened population. Bjerre B, et al. **Acta Obstet Gynecol Scand** 1983; 62(6):569–74

Hormonal and cytopathological changes in vaginal and cervical smears from women undergoing chemotherapy for extragenital malignant diseases. Schachter A, et al. **Acta Obstet Gynecol Scand** 1983;62(6):621–4

Detection of Neisseria gonorrhoeae in cervical swabs using the Gonozyme enzyme immunoassay. Clinical evaluation in a university family planning clinic. Nachamkin I, et al. **Am J Clin Pathol** 1984 Oct;82(4):461–5

Results of prior cytologic screening in patients with a diagnosis of Stage I carcinoma of the cervix. Benoit AG, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):690–4

The cytologic history of 245 patients developing invasive cervical carcinoma. Carmichael JA, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):685–90

Cytologic screening intervals [letter] LiVolsi VA. **Am J Obstet Gynecol** 1984 Mar 15;148(6):833

Prevalence of cervical intraepithelial neoplasia in sexually active teenagers and young adults. Results of data analysis of mass Papanicolaou screening of 796,337 women in the United States in 1981. Sadeghi SB, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):726–9

Age at beginning of coitus versus chronologic age as a basis for Papanicolaou smear screening: an analysis of 747 cases of preinvasive disease. Wright VC, et al. **Am J Obstet Gynecol** 1984 Aug 15;149(8):824–30

Reliability of cytological follow–up after conization of the cervix; a comparison of three surgical techniques. Trimbos JB, et al. **Br J Obstet Gynaecol** 1983 Dec;90(12):1141–6

Multidimensional slit–scan prescreening system: preliminary results of a single blind clinical study. Wheeless LL, et al. **Cytometry** 1984 Jan;5(1):1–8

Some cytological observations on dysplasia and repair of the uterine cervix. Taylor VD. **East Afr Med J** 1983 Jan; 60(1):22–5

Comparison of p30 and acid phosphatase levels in post–coital vaginal swabs from donor and casework studies. Poyntz FM, et al. **Forensic Sci Int** 1984 Jan;24(1):17–25

Regional trends in incidence of cervical cancer in Denmark in relation to local smear–taking activity. Lynge E. **Int J Epidemiol** 1983 Dec;12(4):405–13

Chlamydia trachomatis in pap smears [letter] Ali ZS. **Int J Gynecol Pathol** 1983;2(3):325–6

Evaluation of an abnormal pap smear. Meeks GR, et al. **J Miss State Med Assoc** 1984 Jul;25(7):169–71

The gram stain and culture of vaginal secretions in toxic shock syndrome. Saadah HA, et al. **J Okla State Med Assoc** 1984 May;77(5):150–1

A quality–control procedure on cervical lesions for the comparison of cytology and histology. Bibbo M, et al. **J Reprod Med** 1983 Dec;28(12):811–22

Papanicolaou smear screening and cervical cancer. What can you expect? Stenkvist B, et al. **JAMA** 1984 Sep 21; 252(11):1423–6

Trichomoniasis—incidence in pill users and associated pap smear abnormalities. Pillay B, et al. **Malays J Pathol** 1979 Aug;2:59–62

Papanicolaou staining—a review. Marshall PN. **Microsc Acta** 1983 May;87(3):233–43 (74 ref.)

LEYTAS analysis of cytological specimens: the results of thousand cervical smears. Goyarts–Veldstra L, et al. **Microsc Acta [Suppl]** 1983;6:147–60

Pap smears in perspective [letter] **S Afr Med J** 1983 Dec 10;64(25):967–8

[Cytological screening of pregnant women under 25] Gasser G, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3900–1 (Eng. Abstr.) **(Dan)**

[Automatic analysis of cervicovaginal smears. III. Homogeneity and heterogeneity of cell populations in a semi–automatic and automatic program] Pasteur X, et al. **Arch Anat Cytol Pathol** 1983;31(5):292–5 (Eng. Abstr.) **(Fre)**

[Frequency, causes and results of dubious smear findings (Papanicolaou III group)] Kraus H, et al. **Geburtshilfe Frauenheilkd** 1984 Feb;44(2):87–90 (Eng. Abstr.) **(Ger)**

[Vagino–cytological studies in prostitutes] Schuhmann RA, et al. **Geburtshilfe Frauenheilkd** 1984 Mar;44(3):188–91 (Eng. Abstr.) **(Ger)**

[Colorimetric and cytophotometric study of a modified Papanicolaou staining method in cervical cells] Rüter A, et al. **Microsc Acta** 1983 May;87(3):245–69 (Eng. Abstr.) **(Ger)**

[Determination of a significant cell count for positive diagnosis in gynecologic suspension preparations and possible consequences for the analysis of automated preparations] Schwarz G, et al. **Microsc Acta [Suppl]** 1983; 6:21–7 (Eng. Abstr.) **(Ger)**

[Incidence and clinical significance of fungi occurring in the vaginal region] Jenny J. **Schweiz Rundsch Med Prax** 1984 Feb 14;73(7):197–201 (Eng. Abstr.) **(Ger)**

[The effect of various factors on participation in cytologic screening in the prevention and early detection of cervical cancer] Kavungu P, et al. **Z Arztl Fortbild (Jena)** 1983; 77(21):883–5 **(Ger)**

[Adenocarcinoma of the endocervix in material submitted to a central cytodiagnostic laboratory] Munck C. **Zentralbl Gynakol** 1984;106(7):456–62 (Eng. Abstr.) **(Ger)**

[The significance of vaginal fluid substances as growth media in genital mycosis] Neumann G, et al. **Zentralbl Gynakol** 1984;106(5):325–30 (Eng. Abstr.) **(Ger)**

[Diagnostic verification of Group III and III D cytological tests with special reference to follow–up] Schlegel H, et al. **Zentralbl Gynakol** 1983;105(24):1585–96 (Eng. Abstr.) **(Ger)**

[Study of vaginal microbes during gynecologic cancer screening] Ternai A, et al. **Orv Hetil** 1984 Mar 25; 125(13):753–5 (Eng. Abstr.) **(Hun)**

[Developments in mass screening for uterine cancer in the past 10 years (1972–1981) in Shimane Prefecture—cell sampling method and the central cytological diagnostic system] Iwanari O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jul; 36(7):1008–16 (Eng. Abstr.) **(Jpn)**

[How can the quality of our cytological smears be improved?] Mellem C, et al. **Tidsskr Nor Laegeforen** 1984 May 20; 104(14):956–9 (Eng. Abstr.) **(Nor)**

[Histopathological comparisons between biopsy and surgical specimens and cytological smears in endoepithelial cervical neoplasia. Diagnostic and therapeutic aspects] Dudkiewicz J, et al. **Ginekol Pol** 1984 Mar;55(3):203–8 (Eng. Abstr.) **(Pol)**

[Results of mass cyto–oncological examinations in selected health care centers in the Opole province 1978–1980] Korczak W, et al. **Ginekol Pol** 1984 Jan;55(1):75–6 **(Pol)**

[Confirmation of suspicious cytological smears by the results of histopathological examinations in the prevention of cervical cancer] Szlachta A, et al. **Ginekol Pol** 1984 Jan; 55(1):77–8 **(Pol)**

[Value of smear examination and bacterial culture on the Biocult Gc transport–growth medium in the diagnosis of gonorrhea in prostitutes] Stapiński A, et al. **Przegl Dermatol** 1983 Jul–Aug;70(4):379–85 (Eng. Abstr.) **(Pol)**

[Differential cytological diagnosis of lesions of the cervix uteri] Novik VI. **Lab Delo** 1983;(9):18–21 (Eng. Abstr.) **(Rus)**

[Information value of colpocytological studies during the health resort treatment of gynecologic patients] Borovskaia VD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun;(3):63–5 **(Rus)**

[Results of oncocytological screening of pregnant women in the type I polyclinic] Nižňanský B, et al. **Cesk Gynekol** 1983 Nov;48(9):704–6 **(Slo)**

[Computer–based routines as follow–up studies of gynecologic health control in the county of Västernorrland] Hagmar S, et al. **Lakartidningen** 1984 May 23;81(21):2172–4 **(Swe)**

HISTORY

Dr. Papanicolaou and the Pap smear. Carmichael E. **Ala J Med Sci** 1984 Jan;21(1):101–4

George Papanicolaou. Kyle RA, et al. **JAMA** 1983 Dec 2; 250(21):2934

[Development of cytological diagnosis in the Lvov district] Sheĭman IB, et al. **Lab Delo** 1984;(1):52–4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

The multispatula: a new dimension in sampling the cervix. Pistofides GA, et al. **Lancet** 1984 Jun 2;1(8388):1214–5

[Registration of slide movement in conventional

cytodiagnosis – relevance for automated cytodiagnosis] Schenck U. **Microsc Acta [Suppl]** 1983;6:37–43 (Eng. Abstr.) **(Ger)**

METHODS

Tumor marker studies of cervical smears. Potential for automation. Moncrieff D, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):407–10

The rejection of noncellular artifacts in Papanicolaou–stained slide specimens by an automated high–resolution system. Identification of important cytometric features. Dytch HE, et al. **Anal Quant Cytol** 1983 Dec;5(4):241–9

The effect of filtration on the loss of abnormal cervical cells in specimen preparation for automated cytology. Rosenthal DL, et al. **Anal Quant Cytol** 1983 Dec;5(4):236–40

Effect of the special properties of monolayer cell preparations for automated cervical cytology on visual evaluation and classification. With an estimation of the number of cells required to be screened. Schwarz G, et al. **Anal Quant Cytol** 1983 Sep;5(3):189–93

Distribution of human papillomavirus antigen in cervicovaginal smears and cervical tissues. Gupta JW, et al. **Int J Gynecol Pathol** 1983;2(2):160–70

Optimal use of the cationic polyelectrolyte poly–L–lysine in the preparation of cell monolayers for diagnostic cytopathology. Watts KC, et al. **J Clin Pathol** 1984 Jul; 37(7):829–31

[Necessity for and construction of cytological data banks] Burger G, et al. **Microsc Acta [Suppl]** 1983;6:103–20 (Eng. Abstr.) **(Ger)**

[Notes for the routine preparation of gynecologic preparations for automated assessment] Schwarz G. **Microsc Acta [Suppl]** 1983;6:29–36 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Psychological side–effects of the mass screening on cervical cancer. Reelick NF, et al. **Soc Sci Med** 1984;18(12):1089–93

[Psychological aspects of gynecology. II. Gynecological examination from the psychologist's viewpoint] Motyka M, et al. **Ginekol Pol** 1983 Aug–Sep;54(8–9):569–73 (Eng. Abstr.) **(Pol)**

STANDARDS

The annual Papanicolaou smear [letter] Mahoney BE, et al. **Acta Cytol (Baltimore)** 1984 Jul–Aug;28(4):517–8

How sensitive is the Papanicolaou smear in the diagnosis of infections with Chlamydia trachomatis? Giampaolo C, et al. **Am J Clin Pathol** 1983 Dec;80(6):844–9

UTILIZATION

Knowledge about and utilization of facilities for cervical smears among black women in Johannesburg. Emdon S, et al. **S Afr Med J** 1984 Feb 25;65(8):289–90

[Utilization of vaginal smears in Norway] Haugen OA. **Tidsskr Nor Laegeforen** 1984 May 20;104(14):952–6 (Eng. Abstr.) **(Nor)**

VETERINARY

Eosinophils in equine uterine cytology and histology specimens. Slusher SH, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):665–70

[Change in the vaginal smear cycle following conventionalization and monocontamination of germ–free rats with Enterobacter cloacae] Shinoda M, et al. **Jikken Dobutsu** 1983 Oct;32(4):213–6 (Eng. Abstr.) **(Jpn)**

VAGINITIS

Assessment and management of vaginitis and cervicitis. Smith LS, et al. **Nurse Pract** 1984 Jun;9(6):34, 39–47, 67

CHEMICALLY INDUCED

Morphologic evidence for vaginal toxicity of Delfen contraceptive cream in the rat. Tryphonas L, et al. **Toxicol Lett** 1984 Mar;20(3):289–95

CLASSIFICATION

'Non–specific' vaginitis: a non–entity. Gardner HL. **Scand J Infect Dis [Suppl]** 1983;40:7–10

COMPLICATIONS

[Relationships between the vaginal region and the exocervix in local inflammatory processes. Effect of chemoantibiotic treatment] Costa S, et al. **Minerva Ginecol** 1983 Sep; 35(9):549–57 (Eng. Abstr.) **(Ita)**

[Role of vaginitis and cervicitis in the etiology of premature rupture of fetal membranes] Gejdel E. **Wiad Lek** 1983 Aug 1;36(15):1255–9 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Non–volatile fatty acids in the diagnosis of non–specific vaginitis. Ison CA, et al. **J Clin Pathol** 1983 Dec; 36(12):1367–70

Gardnerella vaginalis vaginitis. The current opinion. Brown D Jr, et al. **J Reprod Med** 1984 May;29(5):300–6

Vaginitis. King J. **JOGN Nurs** 1984 Mar–Apr;13(2 Suppl):41s–48s

Anaerobic vaginosis (non–specific vaginitis): clinical, microbiological, and therapeutic findings. Blackwell AL, et al. **Lancet** 1983 Dec 17;2(8364):1379–82

Microbial flora in women showing symptoms of nonspecific vaginosis: applicability of KOH test for diagnosis. Erkkola R, et al. **Scand J Infect Dis [Suppl]** 1983;40:59–63

The clinical signs and symptoms of Gardnerella–associated vaginosis. Fleury FJ. **Scand J Infect Dis [Suppl]** 1983; 40:71–2

Diagnosis and therapy of nonspecific vaginitis. Correlation between KOH–test, clue cells and microbiology. Petersen EE, et al. **Scand J Infect Dis [Suppl]** 1983;40:97–9

Nonspecific vaginitis among women attending a sexually transmitted diseases clinic. Embree J, et al. **Sex Transm Dis** 1984 Apr–Jun;11(2):81–4

Mycoplasma hominis in nonspecific vaginitis. Paavonen J, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):271–5

[A case report of amoebic vaginitis] Zhang XH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(1):60 **(Chi)**

DRUG THERAPY

Vaginitis. Friedrich EG Jr. **Am Fam Physician** 1983 Nov; 28(5):238–42

Metronidazole in the treatment of non–specific vaginitis (NSV). Jerve F, et al. **Br J Vener Dis** 1984 Jun;60(3):171–4

Single dose versus seven day metronidazole in Gardnerella vaginalis associated non–specific vaginitis [letter] Alawattegama AB, et al. **Lancet** 1984 Jun 16;1(8390):1355

Metronidazole in treatment of anaerobic vaginosis [letter] Blackwell AL. **Lancet** 1984 Jul 14;2(8394):106

An evaluation of single–dose metronidazole treatment for Gardnerella vaginalis vaginitis. Purdon A Jr, et al. **Obstet Gynecol** 1984 Aug;64(2):271–4

Treatment of the Gardnerella vaginalis syndrome with a single 2 gram oral dosage of metronidazole. Balsdon MJ. **Scand J Infect Dis [Suppl]** 1983;40:101–2

Metronidazole in treatment of non–specific vaginitis. Clinical and microbiological findings in ten patients given 2 grams of metronidazole. Blackwell A, et al. **Scand J Infect Dis [Suppl]** 1983;40:103–6

A dose–duration study of metronidazole for the treatment of nonspecific vaginosis. Eschenbach DA, et al. **Scand J Infect Dis [Suppl]** 1983;40:73–80

Influence of metronidazole treatment on the vaginal microbiological flora. Fredricsson B, et al. **Scand J Infect Dis [Suppl]** 1983;40:91–4

Comparison of two different regimens of metronidazole in the treatment of non–specific vaginitis. Hagström B, et al. **Scand J Infect Dis [Suppl]** 1983;40:95–6

Nonspecific vaginitis in an outpatient clinic. Comparison of three dosage regimens of metronidazole. Høvik P. **Scand J Infect Dis [Suppl]** 1983;40:107–10

Treatment of non–specific vaginitis with metronidazole. Jerve F, et al. **Scand J Infect Dis [Suppl]** 1983;40:111–3

Treatment of non–specific vaginitis with a single dose of tinidazole. van der Meijden WI. **Scand J Infect Dis [Suppl]** 1983;40:85–9

Persistence of Mycoplasma hominis after therapy: importance of tetracycline resistance and of coexisting vaginal flora. Koutsky LA, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):374–81

[Treatment and prevention of colpitis with a preparation of anchialin] Bachev SG, et al. **Akush Ginekol (Sofiia)** 1984; 23(2):143–6 (Eng. Abstr.) **(Bul)**

[Treatment of cervicovaginitis with miconazole 400] Monnier JC, et al. **LARC Med** 1983 Aug–Sep;3(7):521–3 **(Fre)**

[Clotrimazole–metronidazole combination in cervico–vaginitis of mixed etiology. Clinical experience] Raffaelli F, et al. **Minerva Ginecol** 1984 Jan–Feb; 36(1–2):47–57 (Eng. Abstr.) **(Ita)**

[Evaluation of the results of laboratory–controlled treatment of vaginal mycoses] Prosiecki R, et al. **Pol Tyg Lek** 1984 Mar 26;39(13):433–6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Anaerobic vaginosis [letter] **Lancet** 1984 Feb 11; 1(8372):337–8

Pathogenicity of Gardnerella vaginalis (Haemophilus vaginalis). Gardner HL. **Scand J Infect Dis [Suppl]** 1983; 40:37–40

[The role of mycoplasmas in the etiology of colpitis] Uhlíř M, et al. **Cesk Gynekol** 1983 Nov;48(9):688–9 **(Cze)**

IMMUNOLOGY

Inhibition of Candida albicans–induced lymphocyte proliferation by lymphocytes and sera from women with recurrent vaginitis. Witkin SS, et al. **Am J Obstet Gynecol** 1983 Dec 1;147(7):809–11

METABOLISM

Amine content of vaginal fluid from patients with trichomoniasis and gardnerella associated non–specific vaginitis. Sanderson BE, et al. **Br J Vener Dis** 1983 Oct; 59(5):302–5

MICROBIOLOGY

Gardnerella–associated vaginitis and anaerobic bacteria. Fredricsson B, et al. **Gynecol Obstet Invest** 1984; 17(5):236–41

Semiquantitative culture of Gardnerella vaginalis in laboratory determination of nonspecific vaginitis. Ratnam S, et al. **J Clin Microbiol** 1983 Aug;18(2):344–7

Curved anaerobic bacteria in bacterial (nonspecific) vaginosis and their response to antimicrobial therapy. Spiegel CA, et al. **J Infect Dis** 1983 Nov;148(5):817–22

Clinical and microbiological characterization of patients with nonspecific vaginosis associated with motile, curved anaerobic rods. Thomason JL, et al. **J Infect Dis** 1984 May; 149(5):801–9

Antimicrobial susceptibility of comma–shaped bacteria isolated from the vagina. Skarin A, et al. **Scand J Infect Dis [Suppl]** 1983;40:81–4

Gardnerella vaginalis and anaerobic bacteria in the etiology of bacterial (nonspecific) vaginosis. Spiegel CA, et al. **Scand J Infect Dis [Suppl]** 1983;40:41–6

Evaluation of culture media for the recovery of Mycoplasma hominis from the human urogenital tract. Tully JG, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):256–60

[A new look at the vaginal biocenosis and vaginal inflammations] Koleta F. **Cesk Gynekol** 1984 Jun; 49(5):371–4 **(Cze)**

[Gardnerella vaginalis. Frequency of its isolation from women complaining of leukorrhea] Lefèvre JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983;12(8):837–41 (Eng. Abstr.) **(Fre)**

[Role of Gardnerella vaginalis and anaerobes. Etiology of nonspecific colpitis] Hammann R, et al. **Fortschr Med** 1984 Mar 15;102(10):255–8 (Eng. Abstr.) **(Ger)**

[Anaerobic bacteria and Gardnerella in nonspecific vaginal fluor (vaginosis)] Pavić N, et al. **Gynakol Rundsch** 1984; 24(1):1–23 **(Ger)**

[Bacteriology, mycology and parasitology of the vagina. Occurrence and clinical significance of various forms of microorganisms] Jenny J. **Praxis** 1983 Nov 29; 72(48):1515–20 (Eng. Abstr.) **(Ger)**

[Accuracy of microscope diagnosis in the detection of vaginal mycoses, measured by the detection of fungi in culture] Jenny J. **Schweiz Rundsch Med Prax** 1984 Feb 14; 73(7):193–5 (Eng. Abstr.) **(Ger)**

[Urologic implications of colpitis] Murańyi J. **Orv Hetil** 1984 Jan 1;125(1):13–5 (Eng. Abstr.) **(Hun)**

[Vaginal biocenosis in pregnant women] Rzempołuch J, et al. **Przegl Dermatol** 1983 Sep–Dec;70(5–6):497–501 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Bacterial, fungal and parasitic flora in vaginitis. Solanki A, et al. **J Indian Med Assoc** 1983 Nov;81(9–10):151–3

A survey of genital infections in patients attending a clinic for sexually transmitted diseases. Staerfelt F, et al. **Scand J Infect Dis [Suppl]** 1983;40:53–7

Nonspecific vaginitis and other genital infections in three clinic populations. Hill LH, et al. **Sex Transm Dis** 1983 Jul–Sep;10(3):114–8

[Colpitis in women in various sections of the economy] Tsekov V, et al. **Akush Ginekol (Sofiia)** 1983;22(3):203–4 (Eng. Abstr.) **(Bul)**

THERAPY

Effects of vaccination with SolcoTrichovac on the vaginal flora and the morphology of the Doederlein bacilli. Goisis M, et al. **Gynakol Rundsch** 1983;23 Suppl 2:56–63

[Effect of lactobacillus immunotherapy on genital infections in women (Solco Trichovac/Gynatren)] Karkut G. **Geburtshilfe Fraunheilkd** 1984 May;44(5):311–4 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Sexually transmitted vaginitis. Lossick JG. **Urol Clin North Am** 1984 Feb;11(1):141–53 (63 ref.)

VAGOTOMY

Enterochromaffin cells in the rat gastrointestinal tract after vagotomy. Portela–Gomes GM, et al. **Acta Chir Scand** 1984;150(1):69–74

Antrectomy and gastroduodenostomy with or without vagotomy in peptic ulcer disease. A prospective study with a 5–year follow–up. Rehnberg O. **Acta Chir Scand [Suppl]** 1983;515:1–63

Vagotomy effect on the content and synthesis of acetylcholine in autonomic ganglia in dog stomach. Górny D, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):155–62

Improved insulin release to carbachol after vagotomy in rats—an effect due to cholinergic supersensitivity of the beta–cells? Järhult J, et al. **Acta Physiol Scand** 1983 May; 118(1):87–9

Glucose responsiveness and acetylcholine sensitivity of pancreatic beta–cells after vagotomy. Campfield LA, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R985–93

Regeneration may mediate the sparing of VMH obesity observed with prior vagotomy. Fox EA, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R308–17

Vagotomy does not alter cholecystokinin's inhibition of sham feeding. Kraly FS. **Am J Physiol** 1984 May;246(5 Pt 2):R829–31

Gastrin release from isolated perfused rat stomach after vagotomy. Pederson RA, et al. **Am J Physiol** 1984 Sep; 247(3 Pt 1):G248–52

Sustained interruption of the aortic baroreflex by left cervical

vagotomy in dogs. Walgenbach SC. **Am J Physiol** 1984 Mar;246(3 Pt 2):H319–23

Prospective, randomized trial of selective proximal vagotomy with ulcer excision and partial gastrectomy with gastroduodenostomy in the treatment of corporeal gastric ulcer. Emås S, et al. **Am J Surg** 1983 Nov;146(5):631–4

A new intraoperative test for completeness of vagotomy: the PCP–GABA (beta–parachlorophenol–gamma–aminobutyric acid) test. Goto Y, et al. **Am J Surg** 1984 Jan;147(1):159–63

Pros and cons of parietal cell versus truncal vagotomy. Saik RP, et al. **Am J Surg** 1984 Jul;148(1):93–8

Conservative surgery for bleeding duodenal ulcer—vagotomy and pyloroplasty. Chew RK, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):555–7

Recurrences 1 to 10 years after highly selective vagotomy in prepyloric and duodenal ulcer disease. Frequency, pattern, and predictors. Adami HO, et al. **Ann Surg** 1984 Apr;199(4):393–9

Highly selective vagotomy in duodenal ulceration and its complications. A 12-year review. Gorey TF, et al. **Ann Surg** 1984 Aug;200(2):181–4

Experience with vagotomy—antrectomy and Roux-en-Y gastrojejunostomy in surgical treatment of duodenal, gastric, and stomal ulcers. Herrington JL Jr, et al. **Ann Surg** 1984 May;199(5):590–7

Danger of fundoplication after selective vagotomy and antrectomy. Gleysteen JJ, et al. **Arch Surg** 1984 Mar; 119(3):334–5

Proximal gastric vagotomy. Gold or dross? [editorial] Nyhus LM. **Arch Surg** 1983 Dec;118(12):1373–4

The appropriate ulcer cure [letter] Peterson JA Jr. **Arch Surg** 1984 Sep;119(9):1099–100

Cimetidine or vagotomy? [letter] Bardhan KD, et al. **Br J Surg** 1984 May;71(5):402–3

Specific vagotomy [letter] Celestin LR. **Br J Surg** 1983 Nov; 70(11):698

The effect of a segmental gastrectomy with proximal gastric vagotomy on gastric secretion and gastric emptying. de Oliveira RB, et al. **Br J Surg** 1984 Jun;71(6):431–4

Prospective randomized multicentre trial of proximal gastric vagotomy or truncal vagotomy and antrectomy for chronic duodenal ulcer: results after 5–7 years. De Vries BC, et al. **Br J Surg** 1983 Dec;70(12):701–3

Cimetidine or vagotomy? Comparison of the effects of proximal gastric vagotomy, cimetidine and placebo on nocturnal intragastric acidity and acid secretion in patients with cimetidine resistant duodenal ulcer. Gledhill T, et al. **Br J Surg** 1983 Dec;70(12):704–6

Prospective controlled vagotomy trial for duodenal ulcer: results after five years. Hoffmann J, et al. **Br J Surg** 1984 Aug;71(8):582–5

The disappearing chief cell phenomenon (DCP): a preliminary report. Lawson HH. **Br J Surg** 1983 Dec; 70(12):707–9

Changes in gastric mucosa after vagotomy and gastrojejunostomy for duodenal ulcer. Watt PC, et al. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1407–10

Perforated duodenal ulcer [letter] Chaturvedi MP. **Can J Surg** 1984 Jul;27(4):323

Influence of vagotomy on changes in feline plasma catecholamine levels induced by occlusion of either the left or right coronary vessel. Williford DJ, et al. **Cardiovasc Res** 1983 Sep;17(9):568–76

Let's protect cytoprotection [letter] Guslandi M. **Dig Dis Sci** 1983 Dec;28(12):1150–1

Effect of extragastric vagotomy on pancreatic polypeptide in dogs. Jonung M, et al. **Digestion** 1984;29(2):103–6

Sequential ultrastructural study of mucosal innervation following parietal cell vagotomy and antrectomy. Brackett KA, et al. **Experientia** 1984 Aug 15;40(8):850–2

The intrapulmonary neuroepithelial bodies after vagotomy: demonstration of thei sensory neuroreceptor-like innervation. Lauweryns JM, et al. **Experientia** 1983 Oct 15;39(10):1123–4

Neurotensin induced inhibition of gastric acid secretion in duodenal ulcer patients before and after parietal cell vagotomy. Olsen PS, et al. **Gut** 1984 May;25(5):481–4

Vagotomy 1983. Amdrup E. **Int Surg** 1983 Oct–Dec; 68(4):293–4

Early results of proximal gastric vagotomy in perforated duodenal ulcer. Chellappa M. **Int Surg** 1983 Jul–Sep; 68(3):227–9

Postoperative monitoring of proximal selective vagotomy. Gallone L. **Int Surg** 1983 Oct–Dec;68(4):309–13

Adequate selective proximal vagotomy with pyloroplasty as nonresective surgery for peptic ulcer disease: a 20 year review. Holle F. **Int Surg** 1983 Oct–Dec;68(4):295–8

Analytical study and long-term results of 230 highly selective vagotomies for chronic duodenal ulcer. Hollender LF, et al. **Int Surg** 1983 Oct–Dec;68(4):317–21

The long-term results of proximal gastric vagotomy. Kennedy T, et al. **Int Surg** 1983 Oct–Dec;68(4):315–6

Reoperation for recurrent peptic ulcer. Pietri P, et al. **Int Surg** 1983 Oct–Dec;68(4):301–5

Highly selective vagotomy versus truncal vagotomy and drainage for chronic duodenal ulceration: a ten year retrospective study (1972–1982). Salam IM, et al. **Ir J Med Sci** 1984 Feb;153(2):60–4

Prostaglandin E1 (PGE1) gastric tissue levels in the rat after truncal vagotomy and/or pre-hepatic portal hypertension. Meriggi F, et al. **Ital J Surg Sci** 1984;14(1):37–42

An ultrastructural study of the neuronal changes in the cardiac ganglia of the monkey (Macaca fascicularis) following unilateral vagotomy. Tay SS, et al. **J Anat** 1984 Jan;138 (Pt 1):67–80

An ultrastructural study of the non-neuronal cells in the cardiac ganglia of the monkey (Macaca fascicularis) following unilateral vagotomy. Tay SS, et al. **J Anat** 1984 May;138 (Pt 3):411–22

Maintenance of muscarinic tone after vagotomy in the lung periphery. Gertner A, et al. **J Appl Physiol** 1984 Jul; 57(1):278–83

Altered endocrine pancreatic function following vagotomy: possible behavioral and metabolic bases for assessing completeness of vagotomy. Campfield LA, et al. **J Auton Nerv Syst** 1983 Oct;9(1):283–300

Perspective on extra-gastric vagal fibers: should they be preserved when possible? Donahue PE, et al. **J Auton Nerv Syst** 1983 Oct;9(1):3–12

In vitro and in vivo technique for assessing vagus nerve regeneration after parietal cell vagotomy in the rat. Joffe SN, et al. **J Auton Nerv Syst** 1983 Oct;9(1):27–51

Behavioral effects of vagotomy in humans. Kral JG. **J Auton Nerv Syst** 1983 Oct;9(1):273–81

Validation of tests of completeness of vagotomy in rats. Louis-Sylvestre J. **J Auton Nerv Syst** 1983 Oct;9(1):301–14 (86 ref.)

Pitfalls in postoperative testing of the completeness of vagotomy. Olbe L, et al. **J Auton Nerv Syst** 1983 Oct; 9(1):315–23

Anatomical considerations for surgery of the rat abdominal vagus: distribution, paraganglia and regeneration. Powley TL, et al. **J Auton Nerv Syst** 1983 Oct;9(1):79–97

Dietary selection in vagotomized rats. Sclafani A, et al. **J Auton Nerv Syst** 1983 Oct;9(1):247–58

Evaluation of truncal vagotomy and a drainage procedure in chronic duodenal ulcer cases. Sinha SC, et al. **J Indian Med Assoc** 1983 Jul 1–16;81(1–2):1–3

An interim report on highly selective vagotomy in the Royal Navy: early return to duty. Dewar EP. **J R Nav Med Serv** 1984 Spring;70(1):15–9

Increased intragallbladder pressure response to cholecystokinin-octapeptide following vagotomy and pyloroplasty. Pitt HA, et al. **J Surg Res** 1983 Oct; 35(4):325–31

Urinary excretion of calcium, magnesium, oxalate and citrate in duodenal ulcer patients. Preliminary results before and up to five years after highly selective vagotomy. Schwille PO, et al. **Klin Wochenschr** 1983 Sep 1;61(17):845–50

Vagotomy and acid secretion. Yatsuka K, et al. **Kurume Med J** 1983;30(1):27–9

Vagotomy for cimetidine resistant ulcers [letter] **Lancet** 1984 Sep 22;2(8404):697–8

Failure of proximal gastric vagotomy for duodenal ulcer resistant to cimetidine. Hansen JH, et al. **Lancet** 1984 Jul 14;2(8394):84–6

Failure of proximal gastric vagotomy for duodenal ulcer resistant to cimetidine [letter] Hoffman J, et al. **Lancet** 1984 Aug 11;2(8398):357

Effects of highly selective vagotomy on small intestinal calcium transport in the rat. Engelhardt W, et al. **Miner Electrolyte Metab** 1984;10(4):239–43

Bilateral trunkal vagotomy (BTV) regarded as a pathogenic process. An experimental study. Onisâi LL, et al. **Morphol Embryol (Bucur)** 1984 Apr–Jun;30(2):141–5

Abdominal vagotomy does not activate the corpus luteum in rats. Burden HW, et al. **Neuroendocrinology** 1983 Oct; 37(4):288–90

Autoradiographic localization of substance P receptors in rat medulla: effect of vagotomy and nodose ganglionectomy. Helke CJ, et al. **Neuroscience** 1984 May; 12(1):215–23

The pathogenesis of the postoperative ascites accumulation after transthoracic esophageal transection for esophageal varices, especially the relationship between the vagus nerve and ascites accumulation. Kaneta K. **Nippon Geka Hokan** 1983 Mar 1;52(2):170–84

Acute abdominal vagotomy reduces drinking to peripheral but not central angiotensin II. Simansky KJ, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):159–63

Selective hepatic vagotomy blocks pancreatic glucagon's satiety effect. Geary N, et al. **Physiol Behav** 1983 Sep; 31(3):391–4

Morphometric studies of human parietal cells before and 7 days after proximal gastric vagotomy. Aase S, et al. **Scand J Gastroenterol** 1984 Jul;19(5):697–706

Effects of pyloroplasty, truncal vagotomy, and antrectomy on parietal cell regeneration in experimental gastric wounds in the rat. A light and electron microscopic study. Blom H, et al. **Scand J Gastroenterol** 1983 Oct;18(7):859–64

Postvagotomy acid secretion and mucosal blood flow during beta-adrenoceptor stimulation and universal chemical sympathectomy in dogs. Hovendal CP. **Scand J Gastroenterol** 1983 Jan;18(1):97–102

Influence of beta blockade on gastric acid secretion and changes in gastric mucosal blood flow before and after parietal cell vagotomy in dogs and man. Hovendal CP, et al. **Scand J Gastroenterol** 1983 Jan;18(1):91–6

Ulcer recurrence after parietal cell vagotomy for duodenal ulcer. A multivariate pattern recognition study. Kjaergaard J, et al. **Scand J Gastroenterol** 1984 Mar;19(2):255–9

Gastric acid secretion and its predictive value after vagotomy for perforated duodenal ulcer. Koo J, et al. **Scand J Gastroenterol** 1983 Oct;18(7):929–34

Serum group I pepsinogens in unoperated duodenal ulcer patients and in duodenal ulcer patients after proximal gastric vagotomy. Lalla M, et al. **Scand J Gastroenterol** 1983 May;18(3):397–9

Intraoperative pH of the gastric mucosa before and after truncal vagotomy in the dog. The Grassi test. Larsson JO. **Scand J Gastroenterol** 1984 Jan;19(1):65–70

Arhus County Vagotomy Trial: gastric secretory alterations during the first year after selective gastric and parietal cell vagotomy. Ornsholt J, et al. **Scand J Gastroenterol** 1983 May;18(4):455–63

Arhus County Vagotomy Trial: ulcer recurrence rate related to alterations in gastric acid secretion after selective gastric and parietal cell vagotomy. Ornsholt J, et al. **Scand J Gastroenterol** 1983 May;18(4):465–72

Serum group I pepsinogens after consecutive stimulations with insulin and pentagastrin in unoperated duodenal ulcer patients and in duodenal ulcer patients after proximal gastric vagotomy. Paimela H, et al. **Scand J Gastroenterol** 1984 Jan;19(1):52–5

The type of anastomosis after selective gastric vagotomy and precise antrectomy is of no importance for basal and postprandial serum gastrin concentration. Poulsen J, et al. **Scand J Gastroenterol** 1984 Mar;19(2):273–8

Gastric function before and after gastric sympathectomy and subsequent truncal vagotomy. Hollinshead J, et al. **Scand J Gastroenterol [Suppl]** 1984;89:105–12

The histology of the gastric mucosa after different types of vagotomy. Lawson HH. **Scand J Gastroenterol [Suppl]** 1984;92:215–20

The different outcome of duodenal and pyloric channel ulcers after proximal gastric vagotomy. Clinical and morphological results. Muller C, et al. **Scand J Gastroenterol [Suppl]** 1984;92:210–4

A randomized trial of gastric decompression after truncal vagotomy and anterior pylorectomy. Sitges-Serra A, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):557–60

Ulcer recurrence two to twelve years after parietal cell vagotomy for duodenal ulcer. Jensen HE, et al. **Surgery** 1983 Nov;94(5):802–6

Long-term results of vagotomy and pyloroplasty in the treatment of gastric ulcer disease. Kraft RO. **Surgery** 1984 Apr;95(4):460–6

Proximal gastric vagotomy in dyspeptic patients without an ulcer. Aase ST, et al. **World J Surg** 1984 Jun;8(3):303–7

Upper gastrointestinal bleeding in renal transplant recipients: the role of prophylactic gastric surgery. Haffner JF, et al. **World J Surg** 1983 Nov;7(6):738–42

Recurrent ulceration after proximal gastric vagotomy for duodenal ulcer. Lunde OC, et al. **World J Surg** 1983 Nov; 7(6):751–6

How do clinical results after proximal gastric vagotomy compare with the Visick grade pattern of healthy controls? Muller C, et al. **World J Surg** 1983 Sep;7(5):610–5

Comparison of results after proximal gastric vagotomy and healthy controls [letter] Rohde H, et al. **World J Surg** 1984 Apr;8(2):277–8

[Truncal vagotomy with pyloroplasty as a routine procedure in perforated duodenal ulcer] Hamerlijnck R, et al. **Acta Chir Belg** 1984 Mar–Apr;84(2):93–6 (Eng. Abstr.) (Dut)

[Hyperselective vagotomy for duodenal ulcer. Apropos of 200 cases] Cuilleret J, et al. **Chirurgie** 1984;110(2):158–63 (Eng. Abstr.) (Fre)

[Recurrence after vagotomy for duodenal ulcer] Hautefeuille P, et al. **J Chir (Paris)** 1983 Dec;120(12):735–41 (Fre)

[Morbid obesity: current status of surgical approach] Wahlen C, et al. **Rev Med Liege** 1984 Jan 15;39(2):68–73 (Fre)

[Supra-selective vagotomy: results in Geneva] Kobel T, et al. **Rev Med Suisse Romande** 1984 Mar;104(3):191–2 (Fre)

[Therapy of severe dysphagia following proximal gastric vagotomy] Buess G, et al. **Chirurg** 1983 Aug;54(8):524–6 (Eng. Abstr.) (Ger)

[Nutritional and metabolic sequelae 5 years after proximal selective vagotomy] Martinoli S, et al. **Helv Chir Acta** 1984 Apr;51(1):33–9 (Eng. Abstr.) (Ger)

[The effect of proximal-selective vagotomy in gastroduodenal ulcer] Muller C, et al. **Schweiz Med Wochenschr** 1984 May 26;114(21):760–3 (Eng. Abstr.) (Ger)

[Stimulation of gastric acid secretion by sham feeding in patients with duodenal ulcer before and after selective proximal vagotomy] Brunner H, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):156–8 (Eng. Abstr.) (Ger)

[Long-term results of selective proximal vagotomy] Starlinger M, et al. **Wien Klin Wochenschr** 1984 Feb 17; 96(4):144–9 (Eng. Abstr.) (Ger)

[The effect of truncal vagotomy on enzyme activities of stomach, pancreas and liver] Hahn M, et al. **Zentralbl Chir** 1984;109(3):199–206 (Eng. Abstr.) (Ger)

[Changes in microcirculation of various layers and regions of the stomach wall following selective proximal vagotomy. Animal experiments using radioactive-labeled plastic particles] Lenz J, et al. **Zentralbl Chir** 1983; 108(21):1358–69 (Eng. Abstr.) (Ger)

[Selective proximal vagotomy and truncular vagotomy – comparison based on animal models] Petermann J, et al. **Zentralbl Chir** 1983;108(21):1342–9 (Eng. Abstr.) (Ger)

[What happens to the parietal cell following vagotomy?]

Argov S, et al. **Harefuah** 1983 Mar 15;104(6):225–6 (Eng. Abstr.) **(Heb)**

[Simulated feeding in the control of results of selective vagotomy] Kisfalvi I, et al. **Orv Hetil** 1984 May 20; 125(21):1247–51 (Eng. Abstr.) **(Hun)**

[The effect of cysteamine on the duodenal defense mechanism in the vagotomized rats—with special reference to the parietal cell vagotomy with CO2-laser] Kadota T. **Nippon Geka Gakkai Zasshi** 1983 Nov;84(11):1155–60 (Eng. Abstr.) **(Jpn)**

[Experimental study on acute gastric ulceration in rat—including influence of obstructive jaundice and vagotomy] Miyakawa H, et al. **Nippon Geka Gakkai Zasshi** 1983 Feb;84(2):113–8 (Eng. Abstr.) **(Jpn)**

[Change of pattern of gastric emptying after selective proximal vagotomy] Kanaizumi T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1982 Nov;18(5):331–8 (Eng. Abstr.) **(Jpn)**

[Difference in motility between anterior and posterior gastric wall after anterior and/or posterior truncal vagotomy] Oikawa K. **Nippon Heikatsukin Gakkai Zasshi** 1982 Dec; 18(6):377–91 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the management of stress ulcers, with special reference to the effects of vagotomy and cimetidine] Matsunaga Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1415–23 (Eng. Abstr.) **(Jpn)**

[Effect of selective proximal vagotomy on gastric G, D– and EC–cell density in dog] Nomiyama S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1159–64 (Eng. Abstr.) **(Jpn)**

[Gastric mucosal lesions in rats induced by the communication box paradigm: experimental conditions, endoscopic observation, and effect of vagotomy] Pack SJ. **Nippon Yakurigaku Zasshi** 1984 May;83(5):467–78 (Eng. Abstr.) **(Jpn)**

[Recurrence of gastroduodenal ulcer after vagotomy. Etiological factors] Johnson JA, et al. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):488–92 (Eng. Abstr.) **(Nor)**

[Radiological picture of the biliary tract after truncal vagotomy in peptic ulcer] Tereszczyk T, et al. **Pol Tyg Lek** 1984 Apr 2;39(14):463–5 (Eng. Abstr.) **(Pol)**

[Endoscopic, histopathologic and secretory aspects in the late postoperative period after truncal vagotomy, partial antrectomy and gastroduodenostomy at the lesser curvature] da Silva AL, et al. **AMB** 1984 Mar–Apr; 30(3–4):80–4 (Eng. Abstr.) **(Por)**

[Duodenal ulcer with reduction of the duodenal diameter. Treatment exclusively by proximal gastric vagotomy—results] Gama–Rodrigues J, et al. **AMB** 1983 Jul–Aug;29(7–8):119–22 (Eng. Abstr.) **(Por)**

[Gastric emptying in duodenal ulcer patients before and after proximal gastric vagotomy. Use of solid, digestible particles labelled with 99mTc] Lopasso FP, et al. **AMB** 1983 Jan–Feb;29(1–2):10–3 (Eng. Abstr.) **(Por)**

[Critical analysis of the treatment of gastric ulcer by proximal gastric vagotomy] Gama–Rodrigues JJ, et al. **Arq Gastroenterol** 1983 Apr–Jun;20(2):41–7 (Eng. Abstr.) **(Por)**

[Radiological and electromanometrical evaluation of the action of bromopride on gastric emptying and lower esophageal sphincter pressure in the immediate postoperative period of duodenal ulcer surgery] Lázaro Da Silva A, et al. **Arq Gastroenterol** 1984 Oct–Dec;20(4):144–9 (Eng. Abstr.) **(Por)**

[Irrigation of the lesser gastric curvature after proximal gastric vagotomy. Evaluation by the fluorescein method and histopathological study] Kobayasi S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):115–20 (Eng. Abstr.) **(Por)**

[Truncal vagotomy in the treatment of postgastrectomy peptic ulcers] Hamada M, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):133–5 (Eng. Abstr.) **(Por)**

[Proximal gastric vagotomy in the elective treatment of duodenal ulcer. Results 1–5 years later] Lopasso FP, et al. **Rev Paul Med** 1983 Mar–Apr;101(2):50–6 (Eng. Abstr.) **(Por)**

[Truncal vagotomy and antroduodenectomy in the treatment of duodenal ulcer. Late results] Ziliotto Júnior A, et al. **Rev Paul Med** 1983 Sep–Oct;101(5):186–9 (Eng. Abstr.) **(Por)**

[Late results in superselective vagotomy] Ziliotto Júnior A, et al. **Rev Paul Med** 1983 Mar–Apr;101(2):57–61 (Eng. Abstr.) **(Por)**

[Effect of premedication and general anesthesia on intragastric pH values in patients with duodenal ulcer] Martov IuB, et al. **Anesteziol Reanimatol** 1983 Jul–Aug; (4):49–50 (Eng. Abstr.) **(Rus)**

[Reactions of Paneth cells of the rat jejunum to section of the vagus nerves (ultrastructural analysis)] Eletskiĭ IuK, et al. **Arkh Anat Gistol Embriol** 1984 Apr;86(4):73–9 (Eng. Abstr.) **(Rus)**

[Effect of truncal vagotomy on the state of pyloric muciferous cells] Baĭbekov IM, et al. **Arkh Patol** 1984; 46(5):60–4 (Eng. Abstr.) **(Rus)**

[Nature of residual insulin secretory response after selective proximal vagotomy] Groĭsman SD, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):564–70 (Eng. Abstr.) **(Rus)**

[X-ray findings on gallbladder filling after vagotomy] Spuziak MI. **Fiziol Zh** 1983 Sep–Oct;29(5):595–9 (Eng. Abstr.) **(Rus)**

[Late results of vagotomy operations in ulcerative pyloroduodenal stenosis] Ageichev VA, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):36–42 (Eng. Abstr.) **(Rus)**

[Selective proximal vagotomy with draining operations in the treatment of pyloric stenosis of ulcer etiology] Kirillov IuB, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):65–9 (Eng. Abstr.) **(Rus)**

[Place of selective proximal vagotomy in the surgery of duodenal ulcer] Pantsyrev IuM, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):26–31 (Eng. Abstr.) **(Rus)**

[The place of vagotomy in the surgical treatment of peptic ulcers of the anastomosis] Pomelov VS, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):22–6 (Eng. Abstr.) **(Rus)**

[Morphological and functional state of the gallbladder after stomach resection and vagotomy] Postolov MP, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):85–9 (Eng. Abstr.) **(Rus)**

[Gastric secretory function before and in the early period after selective proximal vagotomy in duodenal ulcer patients] Aliev MA, et al. **Klin Khir** 1983 Oct;(10):56–7 **(Rus)**

[Indications and contraindications to selective proximal vagotomy and particulars of performing it in gastric ulcer] Bereznitskiĭ IaS, et al. **Klin Khir** 1983 Jul;(8):52–4 (Eng. Abstr.) **(Rus)**

[Prevention of ischemic complications in the surgical treatment of peptic ulcer according to regional blood flow findings in the gastric and duodenal mucosa] Koval'chuk LA. **Klin Khir** 1983 Jul;(8):17–20 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of directed endoscopic pH–metry] Medvedev VE, et al. **Klin Khir** 1983 Jul;(8):45–8 (Eng. Abstr.) **(Rus)**

[Effect of selective proximal vagotomy on the digestive and transport function of the small intestine] Polazhinets MN, et al. **Klin Khir** 1983 Oct;(10):57–8 **(Rus)**

[Reasons for unsatisfactory results of selective proximal vagotomy in ulcerative pylorobulbar stenosis] Pomelov VS, et al. **Klin Khir** 1983 Jul;(8):14–7 (Eng. Abstr.) **(Rus)**

[Intestinal obstruction in the late period after vagotomy due to gastric bezoars] Shevchenko BF, et al. **Klin Khir** 1983 Oct;(10):61–2 **(Rus)**

[Intraoperative and early postoperative complications of vagotomy] Spivak VP, et al. **Klin Khir** 1983 Jul;(8):65–7 **(Rus)**

[Combination of extensive selective proximal vagotomy with hyperbaric oxygenation in treating duodenal peptic ulcer] Strel'nikov BE, et al. **Klin Khir** 1983 Oct;(10):55–6 **(Rus)**

[Late complications of vagotomy and their surgical treatment] Petrov VIu. **Klin Med (Mosk)** 1984 Apr; 62(4):93–7 (Eng. Abstr.) **(Rus)**

[Hyperparathyroidism as a cause of ulcer recurrence after selective proximal vagotomy] Pomelov VS, et al. **Klin Med (Mosk)** 1983 Oct;61(10):31–4 (Eng. Abstr.) **(Rus)**

[Gastroscintigraphy in the evaluation of gastric emptying in patients with duodenal ulcer before and after surgical treatment] Uskov IA, et al. **Med Radiol (Mosk)** 1984 Jul; 29(7):14–20 (Eng. Abstr.) **(Rus)**

[Indications for organ–sparing surgery of duodenal ulcer in children] Paramonov AA, et al. **Pediatriia** 1983 Oct; (10):53–4 **(Rus)**

[Gastric evacuative function after selective proximal vagotomy] Cherniakevich SA, et al. **Sov Med** 1984; (5):98–100 **(Rus)**

[Effect of conservative treatment and vagotomy on components of the cAMP system in the gastric mucosa and gastric juice in patients with duodenal ulcer] Krylov AA, et al. **Ter Arkh** 1983;55(9):118–21 (Eng. Abstr.) **(Rus)**

[Effect of selective proximal vagotomy on the function of the enteroinsular axis in patients with duodenal peptic ulcer] Shvarts VIa. **Ter Arkh** 1984;56(2):59–63 (Eng. Abstr.) **(Rus)**

[Acute gastroduodenal ulcers following vagotomy] Khokholia VP, et al. **Vestn Khir** 1983 Aug;131(8):97–100 (Eng. Abstr.) **(Rus)**

[Vagotomy in peptic ulcer of the duodenum in a child] Volobuev NN, et al. **Vestn Khir** 1984 Jun;132(6):90–1 **(Rus)**

[Choosing a technic for closing off the duodenum during gastric resections after previous vagotomy and gastroduodenostomy by the Zhabulej method] Volobuev NN. **Vestn Khir** 1983 Aug;131(8):121–2 **(Rus)**

[The effect of proximal selective vagotomy on the secretory state of the stomach in the rat] Černý J, et al. **Bratisl Lek Listy** 1984 Mar;81(3):320–4 (Eng. Abstr.) **(Slo)**

[Morphology of mastocytes before and after selective proximal vagotomy for duodenal ulcer in humans] Jakubovský J, et al. **Bratisl Lek Listy** 1984 May; 81(5):548–53 (Eng. Abstr.) **(Slo)**

[Changes in the aspiration reflex, respiration, and peripheral hemodynamics during continuous positive pressure in the airways in vagotomized cats] Javorka K, et al. **Bratisl Lek Listy** 1983 Aug;80(2):165–75 (Eng. Abstr.) **(Slo)**

[Morphological and secretory changes in the gastric mucosa in patients with duodenal ulcer before and after selective proximal vagotomy] Matis P, et al. **Bratisl Lek Listy** 1983 Jul;80(1):69–78 (Eng. Abstr.) **(Slo)**

[Is Hollander's insulin test of gastric acidity after vagotomy required?] Matis P, et al. **Bratisl Lek Listy** 1983 Sep; 80(3):330–4 (Eng. Abstr.) **(Slo)**

[Intestinal perforation by a phytobezoar after vagectomy and pyloroplasty] Alvarez Ruiz de Viñaspre D, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):324–9 **(Spa)**

[Ischemic necrosis and perforation of the lesser gastric curvature after supraselective vagotomy and an asymptomatic case] Díez Cascón A, et al. **Rev Esp Enferm Apar Dig** 1983 Oct;64(4):313–23 (Eng. Abstr.) **(Spa)**

[Oxyntic–cell vagotomy as a surgical treatment for chronic duodenal ulcer: results of a controlled and prospective study of 100 patients 8 years after surgery] Fernández Dovale M, et al. **Rev Esp Enferm Apar Dig** 1984 Jan; 65(1):32–9 (Eng. Abstr.) **(Spa)**

[Experimental study of stress ulcers. Effect of vagotomy and of cimetidine] Pallarés P, et al. **Rev Esp Enferm Apar Dig** 1983 Aug;64(2):86–9 (Eng. Abstr.) **(Spa)**

[Recurrent duodenal ulcer following supraselective vagotomy] Valenzuela R, et al. **Rev Med Chil** 1983 Apr; 111(4):437–42 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Ischaemic necrosis of the lesser curvature of the stomach as a complication of proximal selective vagotomy. Ihász M, et al. **Acta Chir Hung** 1984;25(1):21–31

The value of parietal cell vagotomy compared to simple closure in a selective approach to perforated duodenal ulcer. Operative morbidity and recurrence rate. Wara P, et al. **Acta Chir Scand** 1983;149(6):585–9

Lung lesion after chronic vagotomy in rabbit. Szereda–Przestaszewska M, et al. **Acta Med Pol** 1982; 23(1–2):21–8

Alterations in gastrointestinal emptying of 99m–technetium–labeled solids following sequential antrectomy, truncal vagotomy and Roux–Y gastroenterostomy. Vogel SB, et al. **Ann Surg** 1983 Oct; 198(4):506–15

Preference for proximal gastric vagotomy combined with cholecystectomy. Clark CG, et al. **Br J Surg** 1984 Mar; 71(3):185–7

Does metabolic bone disease follow truncal vagotomy and gastrojejunostomy? Irving AD, et al. **Br Med J [Clin Res]** 1983 Nov 19;287(6404):1516

Does metabolic bone disease follow truncal vagotomy and gastrojejunostomy? [letter] McKeown K. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):240

Highly selective vagotomy: forward or backward in the surgical treatment of duodenal ulcer? Cohen MM. **Can J Surg** 1984 Jul;27(4):317–8

Long–term results of proximal gastric vagotomy. Kennedy T. **Can J Surg** 1984 Jul;27(4):340–1

Dysphagia after highly selective vagotomy. Hedenbro JL, et al. **Curr Surg** 1984 Mar–Apr;41(2):77–82

Role of the small intestine in postvagotomy diarrhea. Ladas SD, et al. **Gastroenterology** 1983 Nov;85(5):1088–93

Postvagotomy diarrhea [letter] Wingate DL. **Gastroenterology** 1984 Jul;87(1):250–1

Effects of selective vagotomy with or without drainage on glucose tolerance test. Akiyama H, et al. **Jpn J Surg** 1984 Jan;14(1):15–22

Lesser curve necrosis following selective proximal vagotomy—a case report. Takaki A, et al. **Jpn J Surg** 1984 May;14(3):248–51

Serum vitamin B12 concentration after proximal gastric vagotomy. Paimela H, et al. **Scand J Gastroenterol** 1984 May;19(3):445–8

Complications of vagotomy and pyloroplasty. Skellenger ME, et al. **Surg Clin North Am** 1983 Dec;63(6):1167–80 (73 ref.)

Time of onset of carcinoma of the stomach following surgical treatment of duodenal ulcer. Totten J, et al. **Surg Gynecol Obstet** 1983 Nov;157(5):431–3

Bile reflux and degree of gastritis after highly selective vagotomy, truncal vagotomy, and partial gastrectomy for duodenal ulcer. Dewar EP, et al. **World J Surg** 1983 Nov; 7(6):743–50

[Stomach wall necrosis following selective proximal vagotomy (editorial)] Largiadèr F. **Langenbecks Arch Chir** 1984;362(3):151–2 **(Ger)**

[Stomach wall necrosis following selective proximal vagotomy] Meissner K, et al. **Langenbecks Arch Chir** 1984; 362(3):153–65 (Eng. Abstr.) **(Ger)**

[Sequelae of secondary jejunum interposition in gastrectomized patients] Kaiser W, et al. **Leber Magen Darm** 1983 Jul;13(4):128–30 (Eng. Abstr.) **(Ger)**

[Super–selective vagotomy and postoperative gastroesophageal reflux] Noya G, et al. **Minerva Chir** 1984 Apr 15;39(7):469–71 (Eng. Abstr.) **(Ita)**

[Extravascular lung water content following thoracic vagotomy. Experimental investigations in relation to the cause of pulmonary complications after surgery for esophageal cancer] Kanamaru H. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):119–31 (Eng. Abstr.) **(Jpn)**

[Prevention and the surgical procedure in complications following vagotomy] Vinnichenko AG, et al.

Khirurgiia (Mosk) 1984 Mar;(3):85–7 **(Rus)**
[Incidence and causes of postvagotomy gastrostasis in duodenal ulcer patients] Kalish IuI, et al. **Klin Khir** 1984 Jun;(6):67–8 **(Rus)**
[Morphologic changes in the large intestine after selective vagotomy] Solov'eva LI, et al. **Vrach Delo** 1984 May;(5):36–8 (Eng. Abstr.) **(Rus)**
[Postvagotomy gastric cancer] Zaragosí Moliner J, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):55–61 (Eng. Abstr.) **(Spa)**

ECONOMICS

The effect of highly selective vagotomy on sick-listing in peptic ulcer patients. Graffner H, et al. **Scand J Gastroenterol** 1983 May;18(3):439–41

HISTORY

Dr. Dragstedt's first vagotomy. Woodward ER. **World J Surg** 1983 Jul;7(4):554

METHODS

Highly selective vagotomy. A closer look at the technique. Hooks VH 3d. **Am Surg** 1983 Oct;49(10):517–22
Gastric lesser curve superficial seromyotomy: an experimental study in dogs. Goyal J, et al. **Int Surg** 1984 Jan–Mar;69(1):85–7
Effects of total and selective abdominal vagotomies on water intake in rats. Smith GP, et al. **J Auton Nerv Syst** 1983 Oct;9(1):259–71
Effects of various vagotomies and sympathectomies on gastric secretory functions in the non-stressed and by immobilization stressed rat. Hanisch E, et al. **Scand J Gastroenterol [Suppl]** 1984;89:99–104
Hiatal hernia with severe reflux esophagitis: treatment by superselective vagotomy and Nissen fundoplication. Garcia-Rinaldi R, et al. **South Med J** 1984 Apr; 77(4):418–22
Posterior truncal vagotomy and anterior curve superficial seromyotomy as an alternative for the surgical management of chronic ulcer of the duodenum. Lygidakis NJ. **Surg Gynecol Obstet** 1984 Mar;158(3):251–4
Controlled trial of the Grassi (pH) intraoperative test for completion of proximal gastric vagotomy. Reid DA, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):370–4
The early results of highly selective vagotomy plus pyloric dilatation or pyloroplasty for obstructing duodenal ulcers. Wang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov; 82(11):1187–95
Highly selective vagotomy in the treatment of perforated duodenal ulcer. Wang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 May;83(5):470–6
Denervation of the greater curvature in proximal gastric vagotomy. Martinez-Ramos C, et al. **World J Surg** 1983 Sep;7(5):604–9
[Contemporary views on the surgical treatment of gastroduodenal ulcers and its results] Hritz I, et al. **Cesk Gastroenterol Vyz** 1983 Aug;37(5):324–32 (Eng. Abstr.) **(Cze)**
[Current concepts in the surgical treatment of duodenal ulcer] Wittebol P. **Ned Tijdschr Geneeskd** 1984 Mar 17; 128(11):504–9 **(Dut)**
[Proximal vagotomy: importance of extensive denervation of the esophagus] Guindani M, et al. **Ann Chir** 1983 May; 37(4):312–5 (Eng. Abstr.) **(Fre)**
[Protection vagotomy, associated with gastric resection completed by an anti-reflux procedure, in the surgical treatment of type I gastric ulcer] Carditello A, et al. **Chirurgie** 1984;110(3):266–73 (Eng. Abstr.) **(Fre)**
[How to restore the peritoneum to the lesser curvature of the stomach after supraselective vagotomy? (letter)] Hollender LF, et al. **J Chir (Paris)** 1983 Oct;120(10):569 **(Fre)**
[New vagotomy technics] Keller D, et al. **J Chir (Paris)** 1983 Oct;120(10):557–9 (Eng. Abstr.) **(Fre)**
[Super-selective vagotomy in the treatment of duodenal ulcer. Preliminary results in 65 cases] Maouni A, et al. **Maroc Med** 1983 Dec;5(4):325–30 (Eng. Abstr.) **(Fre)**
[Roentgen morphology after vagotomy] Beeger R, et al. **Rontgenblatter** 1983 Dec;36(12):403–6 (Eng. Abstr.) **(Ger)**
[Manometric study on the effect of Hedenstedt's selective proximal vagotomy on the lower esophageal sphincter] Emde C, et al. **Zentralbl Chir** 1984;109(12):797–802 (Eng. Abstr.) **(Ger)**
[The effects of selective proximal gastric vagotomy on antral mucosal gastrin and somatostatin concentrations] Wanifuchi T. **Nippon Geka Gakkai Zasshi** 1984 May; 85(5):433–44 (Eng. Abstr.) **(Jpn)**
[5 years' results of prospective clinical studies on the treatment of duodenal ulcer by vagotomy or denervation of the gastric corpus and fundus] Popiela T, et al. **Pol Tyg Lek** 1983 Nov 21;38(47):1453–6 (Eng. Abstr.) **(Pol)**
[Selective denervation of the gastric corpus and fundus in the treatment of duodenal ulcer] Szczygieł B. **Pol Tyg Lek** 1983 Nov 21;38(47):1449–52 **(Pol)**
[Comparative evaluation of surgical interventions in penetrating gastroduodenal ulcers] Bondarenko NM, et al. **Klin Khir** 1983 Jul;(8):56–8 (Eng. Abstr.) **(Rus)**
[Status of the immune system in peptic ulcer patients before and after vagotomy] Bondarenko PG, et al. **Klin Khir** 1983 Jul;(8):27–9 (Eng. Abstr.) **(Rus)**
[Evaluation of several variants of gastric resection and vagotomy in complicated forms of peptic ulcer] Kovalev MM, et al. **Klin Khir** 1983 Jul;(8):30–3 (Eng. Abstr.) **(Rus)**
[A method of by-passing duodenum in chronic duodenostasis] Volobuev NN. **Klin Khir** 1983 Sep;(9):74–5 **(Rus)**
[Motor-evacuatory function of the stomach before and after surgery for duodenal ulcer] Nurmukhamedov RM, et al. **Sov Med** 1984;(2):53–7 (Eng. Abstr.) **(Rus)**
[Rate of gastric emptying after vagotomy in duodenal ulcer] Dudarev AL, et al. **Vestn Khir** 1983 Oct;131(10):14–8 (Eng. Abstr.) **(Rus)**
[Acid-forming function of the stomach and the effectiveness of vagotomy in the surgical treatment of complications of duodenal ulcer evaluated by pH-metry] Eriukhin IA, et al. **Vestn Khir** 1984 Mar;132(3):16–20 (Eng. Abstr.) **(Rus)**
[Acid-forming function of the stomach in duodenal ulcer after vagotomy] Gushcha AL, et al. **Vestn Khir** 1983 Oct; 131(10):18–20 (Eng. Abstr.) **(Rus)**
[Vagotomy in bleeding ulcer of the duodenum] Perkin EM, et al. **Vestn Khir** 1984 Apr;132(4):34–8 (Eng. Abstr.) **(Rus)**
[Variants of surgical treatment of duodenal ulcer in organ-saving operations on the stomach] Roman LI, et al. **Vestn Khir** 1983 Dec;131(12):26–31 (Eng. Abstr.) **(Rus)**
[Vagotomy in peptic ulcer] Lisitsyn KM, et al. **Voen Med Zh** 1984 Jan;(1):23–6 **(Rus)**
[Early and late results of selective proximal vagotomy in ulcer disease] Poliakov IG, et al. **Vrach Delo** 1984 Jan; (1):28–30 (Eng. Abstr.) **(Rus)**
[Level of gastrin in the blood of patients with duodenal ulcers before and after organ-sparing surgery] Shvarts VIa. **Vrach Delo** 1984 May;(5):21–3 (Eng. Abstr.) **(Rus)**
[Comparison of results obtained with the selective proximal vagotomy method with and without drainage during 8 years of surgical treatment of patients with duodenal ulcers] Georgijević A, et al. **Acta Chir Iugosl** 1984;31(1):25–31 (Eng. Abstr.) **(Scr)**

MORTALITY

Late mortality after vagotomy and drainage for duodenal ulcer. Watt PC, et al. **Br Med J [Clin Res]** 1984 May 5; 288(6427):1335–8

STANDARDS

[Various criteria for evaluating the results of vagotomy] Nechiporuk VM, et al. **Klin Khir** 1983 Jul;(8):11–4 (Eng. Abstr.) **(Rus)**

VAGOTOMY, PROXIMAL GASTRIC see under **VAGOTOMY**

VAGUS NERVE

Polyneuropathy with vagus and phrenic nerve involvement in breast cancer. Report of a case with spontaneous remission. Handforth A, et al. **Arch Neurol** 1984 Jun; 41(6):666–8
Neurilemmoma of vagus nerve in the neck. Gupta SC, et al. **J Indian Med Assoc** 1984 Jan;82(1):19–20
Near-drowning, scuba diving: an unusual late sequela of bulbar polio. Rubin AM, et al. **J Laryngol Otol** 1984 Jul; 98(7):733–6
Surgical management of multiple unilateral chemodectomas. Hodge J. **J SC Med Assoc** 1984 May;80(5):243–8
[A case of intrabronchial neurinoma originated from vagal nerve] Fujio A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan;32(1):126–9 (Eng. Abstr.) **(Jpn)**
[Case of neurofibroma originating from the intrathoracic vagal nerve] Kikuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar; 21(3):288–92 (Eng. Abstr.) **(Jpn)**
[Case of vagal body paraganglioma successfully diagnosed by CT] Sasaki F, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):807–10 (Eng. Abstr.) **(Jpn)**
[Case of Villaret syndrome of unknown origin with a benign course—study on the putative foci and etiology] Fukui T, et al. **Rinsho Shinkeigaku** 1983 Sep;23(9):744–8 (Eng. Abstr.) **(Jpn)**
[A case of glossopharyngeal and vagal nerve palsy caused by enterovirus type 70 (EV 70)] Yamamura T, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):77–80 (Eng. Abstr.) **(Jpn)**
[Chemodectoma of the vagus nerve] Nikiforov BM. **Zh Vopr Neirokhir** 1983 Nov-Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The motor nuclei of the glossopharyngeal-vagal and the accessorius nerves in the rat. Matesz C, et al. **Acta Biol Hung** 1983;34(2–3):215–29
Brainstem cells of origin of the cervical vagus and cardiopulmonary nerves in the neonatal pig (Sus scrofa). Hopkins DA, et al. **Brain Res** 1984 Jul 23;306(1–2):63–72
The organization of the gastric efferent projections in the brainstem of monkey: an HRP study. Karim MA, et al. **Brain Res** 1984 Feb 20;293(2):231–40
Central distribution of primary afferent fibers in the Arnold's nerve (the auricular branch of the vagus nerve): a transganglionic HRP study in the cat. Nomura S, et al. **Brain Res** 1984 Feb 6;292(2):199–205
Synaptic interaction of vagal afferents and catecholaminergic neurons in the rat nucleus tractus solitarius. Sumal KK, et al. **Brain Res** 1983 Oct 24;277(1):31–40
Direct amygdaloid projections to the dorsal motor nucleus of the vagus nerve: a light and electron microscopic study in the rat. Takeuchi Y, et al. **Brain Res** 1983 Nov 28; 280(1):143–7
Localization of motoneurons innervating the levator veli palatini muscle in the cat. van Loveren H, et al. **Brain Res Bull** 1983 Sep;11(3):303–7
Vagal afferent C fibers projecting to the lateral descending trigeminal complex of crotaline snakes. Kishida R, et al. **Exp Brain Res** 1984;53(2):315–9
The afferent and preganglionic parasympathetic innervation of the rat liver, demonstrated by the retrograde transport of horseradish peroxidase. Magni F, et al. **J Auton Nerv Syst** 1983 Jul;8(3):237–60
Anatomical considerations for surgery of the rat abdominal vagus: distribution, paraganglia and regeneration. Powley TL, et al. **J Auton Nerv Syst** 1983 Oct;9(1):79–97
An HRP study of the central course of sensory intermediate and vagal fibers in peripheral facial nerve branches in the cat. Arvidsson J, et al. **J Comp Neurol** 1984 Feb 10; 223(1):35–45
Distribution of neurotensin-immunoreactivity within baroreceptive portions of the nucleus of the tractus solitarius and the dorsal vagal nucleus of the rat. Higgins GA, et al. **J Comp Neurol** 1984 Jun 20;226(2):155–64
Organization within the cranial IX-X complex in ranid frogs: a horseradish peroxidase transport study. Stuesse SL, et al. **J Comp Neurol** 1984 Jan 20;222(3):358–65
[Surgical anatomy of the vagal innervation of the stomach in rats] Danič J, et al. **Bratisl Lek Listy** 1983 Nov; 80(5):546–9 **(Slo)**

BLOOD SUPPLY

The nerves to blood vessels supplying blood to nerves: the innervation of vasa nervorum. Appenzeller O, et al. **Brain Res** 1984 Jun 25;304(2):383–6

CYTOLOGY

Synapse formation among developing sensory neurones from rat nodose ganglia grown in tissue culture. Cooper E. **J Physiol (Lond)** 1984 Jun;351:263–74

DRUG EFFECTS

Release of glucagon in male alcoholics with vagal neuropathy. Tan ET, et al. **Alcoholism (NY)** 1983 Fall; 7(4):416–9
Effects of anesthetics on central vagal tone [letter] Inoue K. **Anesth Analg** 1984 Mar;63(3):371–2
Gallamine and vagotomy enhance respiratory modulation of reticular units. Caille D, et al. **Brain Res** 1984 May 7; 299(1):.9–89
Stimulatory action of oxytocin on neurones of the dorsal motor nucleus of the vagus nerve. Charpak S, et al. **Brain Res** 1984 May 21;300(1):83–9
Axonal transport of opiate receptors in capsaicin-sensitive neurones. Laduron PM. **Brain Res** 1984 Feb 27; 294(1):157–60
Failure of 5-methoxytryptamine to evoke the Bezold-Jarisch effect supports homology of excitatory 5-HT receptors on vagal afferents and postganglionic sympathetic neurones. Fozard JR. **Eur J Pharmacol** 1983 Nov 25;95(3–4):331–2
Influence of the restoration of vagal tone by intracisternal injection of dextromoramide on the cardiac effects of the antiarrhythmic drugs. Bertrix L, et al. **J Pharmacol** 1983 Jul-Sep;14(3):361–72
Comparison of calcium channel inhibitors on vagal heart rate responses elicited by arterial baroreceptor reflexes in anesthetized dogs. Taylor DG, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):491–9
Effects of capsaicin applied perineurally to the vagus nerve on cardiovascular and respiratory functions in the cat. Jancsó G, et al. **J Physiol (Lond)** 1983 Aug;341:359–70
Phenyldiguanide and capsaicin stimulate functionally different populations of afferent C-fibers. Skofitsch G, et al. **Neurosci Lett** 1983 Nov 21;42(1):89–94
Cigarette smoke-induced airway oedema due to activation of capsaicin-sensitive vagal afferents and substance P release. Lundberg JM, et al. **Neuroscience** 1983 Dec; 10(4):1361–8
Cardiac vagolytic action of some neuromuscular blockers. Punnen S, et al. **Pharmacol Biochem Behav** 1984 Jan; 20(1):85–9
[Vagus block in the therapy of bradycardial arrhythmias—the role of autonomic balance] Weber H, et al. **Z Gesamte Inn Med** 1984 May 1;39(9):177–81 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Formation of evoked potentials in cat orbital cortex during prenatal ontogeny. Tagiev SK, et al. **Neurosci Behav Physiol** 1984 Jan-Feb;14(1):88–92

ENZYMOLOGY

Effects of various kinds of stimulation on ornithine decarboxylase activity in superior cervical sympathetic and nodose ganglia of rats. Ando M, et al. **Cell Mol Neurobiol** 1984 Mar;4(1):79–90

METABOLISM

Release of serotonin from perikarya in cat nodose ganglia. Fueri C, et al. **Brain Res** 1984 Jun 18;304(1):173–7

Axoplasmic transport of somatostatin and substance P in the vagus nerve of the rat, guinea pig and cat. MacLean DB, et al. **Brain Res** 1984 Jul 30;307(1–2):135–45

Inhibitory action of 2-(1-,2-benzisoxazol-3-yl)-3-[2-(2-piperidinoethoxy) phenyl]acrylonitrile (SX-284) on acetylcholine release from vagus nerve in guinea pig ileum. Sone H, et al. **J Pharmacobiodyn** 1983 Apr;6(4):272–4

Changes in RNA content in neurons and perineuronal glia of the caudal vagus ganglion after a single maximal overloading. Pashchenko PS. **Neurosci Behav Physiol** 1984 Jan–Feb;14(1):49–53

[Pharmacological properties of the ATP receptor of neurons in the sensory ganglia of the rat] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1984;274(4):945–8 **(Rus)**

PATHOLOGY

Diabetic gastroparesis from autonomic neuropathy: surgical considerations and changes in vagus nerve morphology. Guy RJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):686–91

Neurilemmoma of the vagus nerve. A case report and brief literature review. Chang SC, et al. **Laryngoscope** 1984 Jul; 94(7):946–9

PHYSIOLOGY

Effect of stimulation of vagal and radial nerves on neuronal activity in the basal forebrain area of anaesthetized cats. Détári L, et al. **Acta Physiol Hung** 1983;61(3):147–54

Vagally induced tachycardia after nicotinic blockade. The involvement of substance P and catecholamines. Delbro D, et al. **Acta Physiol Scand** 1983;119(2):207–8

Neural stimulation of gastric bicarbonate secretion in the cat. An involvement of vagal axon-reflexes and substance P? Fändriks L, et al. **Acta Physiol Scand** 1983 Jul;118(3):301–4

Effects and distribution of vagal capsaicin-sensitive substance P neurons with special reference to the trachea and lungs. Lundberg JM, et al. **Acta Physiol Scand** 1983 Nov; 119(3):243–52

Mechanism of inhibition of gastric acid secretion by vagal denervation in the rat. Vallgren S, et al. **Acta Physiol Scand** 1983 Sep;119(1):77–80

Evidence of a cholinergic, pH dependent, vagally mediated release of antral somatostatin. Aliño SF, et al. **Acta Physiol Scand [Suppl]** 1983;515:21–7

Effects of hindbrain stimulation on lower esophageal sphincter pressure in the cat. Barone FC, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G70–8

Effects of bilateral vagal cold block on vasopressin in conscious dogs. Bishop VS, et al. **Am J Physiol** 1984 Apr; 246(4 Pt 2):R566–9

Effects of catecholamines on cardiac chronotropic response to vagal stimulation in the dog. Chassaing C, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H721–4

Evidence for hepatic involvement in control of ad libitum food intake in rats. Friedman MI, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R106–13

Effect of bilateral vagotomy on the ventilatory responses of the water snake Nerodia sipedon. Gratz RK. **Am J Physiol** 1984 Feb;246(2 Pt 2):R221–7

Autonomic nervous control of pancreatic somatostatin secretion. Holst JJ, et al. **Am J Physiol** 1983 Dec; 245(6):E542–8

Intracellular recordings from vagally innervated intramural neurons in opossum stomach. King BF, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):G209–12

Secondary AV conduction responses during tonic vagal stimulation. Martin P. **Am J Physiol** 1983 Oct; 245(4):H584–91

A model of dynamic vagus-sinoatrial node interactions. Michaels DC, et al. **Am J Physiol** 1983 Dec; 245(6):H1043–53

Lower esophageal sphincter function in the cat: role of central innervation assessed by transient vagal blockade. Reynolds RP, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):G666–74

Differential renal and splenic nerve responses to vagal and spinal afferent inputs. Weaver LC, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R78–87

Synchronization of automatic cells in S-A node during vagal stimulation in dogs. Yang T, et al. **Am J Physiol** 1984 Apr; 246(4 Pt 2):H585–91

Vagotomy abolishes the differential palatability of food. Louis-Sylvestre J, et al. **Appetite** 1983 Dec;4(4):295–9

An etorphine-evoked vagal reflex in rats is inhibited by naloxone, N-methylnaloxone, and SMS 201–995. Dashwood MR, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):77–82

Vagotomy produces learned food aversions in the rat. Bernstein IL, et al. **Behav Neurosci** 1983 Aug;97(4):585–94

Preabsorptive pregastric vagally mediated histaminergic component of drinking elicited by eating in the rat. Kraly FS. **Behav Neurosci** 1984 Apr;98(2):349–55

Heart rate variability at the onset of efferent vagal stimulations in the rabbit. Cevese A, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1405–11

Role of the right vagal nerve trunk in antinociception. Maixner W, et al. **Brain Res** 1984 Apr 30;298(2):374–7

Efferent discharges of sympathetic and parasympathetic nerve fibers during increased intracranial pressure in anesthetized cats in the absence and presence of pressor response. Matsuura S, et al. **Brain Res** 1984 Jul 9; 305(2):291–301

Cholecystokinin in feline vagal and sciatic nerves: concentration, molecular form and transport velocity. Rehfeld JF, et al. **Brain Res** 1983 Sep 26;275(2):341–7

Effects of hypothalamic lesion on pancreatic autonomic nerve activity in the rat. Yoshimatsu H, et al. **Brain Res** 1984 Jun 11;303(1):147–52

Vagus nerve stimulation modifies the electrical activity of the olfactory bulb. García-Díaz DE, et al. **Brain Res Bull** 1984 May;12(5):529–37

In vivo release by vagal stimulation of L-[3H] glutamic acid in the nucleus tractus solitarius preloaded with L-[3H] glutamine. Granata AR, et al. **Brain Res Bull** 1984 Jan; 12(1):5–9

Vagal neurons and pathways to the rat's lower viscera: an electrophysiological study. Sauter JF, et al. **Brain Res Bull** 1983 Nov;11(5):487–91

Vagal control of migrating motor complex-related peaks in canine plasma motilin, pancreatic polypeptide, and gastrin. Hall KE, et al. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1289–98

Coronary venous pressure and flow: effects of vagal stimulation, aortic occlusion, and vasodilators. Klassen GA, et al. **Can J Physiol Pharmacol** 1984 May;62(5):531–8

Autonomic nervous control of heart rate: sympathetic-parasympathetic interactions and age related differences. Mace SE, et al. **Cardiovasc Res** 1983 Sep; 17(9):547–52

Effects of ouabain and vagal stimulation on heart rate in the dog. Wallick DW, et al. **Cardiovasc Res** 1984 Feb; 18(2):75–9

Vagal afferent inhibition of spinothalamic cell responses to sympathetic afferents and bradykinin in the monkey. Ammons WS, et al. **Circ Res** 1983 Nov;53(5):603–12

Vagal control of pacemaker periodicity and intranodal conduction in the rabbit sinoatrial node. Slenter VA, et al. **Circ Res** 1984 Apr;54(4):436–46

The phase-dependency of the cardiac chronotropic responses to vagal stimulation as a factor in sympathetic-vagal interactions. Yang T, et al. **Circ Res** 1984 Jun;54(6):703–10

Relative contributions of vagal and cardiac sympathetic nerves to the reflex bradycardia induced by a pressor stimulus in the conscious rabbit: comparison of 'steady state' and 'ramp' methods. Weinstock M, et al. **Clin Exp Pharmacol Physiol** 1984 Mar–Apr;11(2):133–41

Effects of gastric filling and vagotomy on ingestion, nipple attachment, and weight gain by suckling rats. Lorenz DN. **Dev Psychobiol** 1983 Nov;16(6):469–83

Studies of the axoplasmic transport of somatostatin in the vagus nerve of the rat. MacLean DB, et al. **Endocrinology** 1984 Apr;114(4):1145–54

Vagal influence on exocrine pancreas of alcohol-fed and of normal dogs. Schmidt DN, et al. **Eur J Clin Invest** 1984 Apr;14(2):111–5

Attenuation of vagal noradrenergic tachycardia by naloxone. Gillespie MN, et al. **Eur J Pharmacol** 1984 Jun 1; 101(3–4):275–9

Non-adrenergic inhibitory nerves. Irvin C, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):133–8

Neural control of airway submucosal gland secretion. Nadel JA. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):322–6

The sympathetic and parasympathetic system in bronchial hyperreactivity. A synthesis. Reed CE. **Eur J Respir Dis [Suppl]** 1984;135:91–6

Vagus- and post-acetylcholine-induced changes in ventricular electrophysiology of the dog heart with and without beta-blockade. Amlie JP, et al. **Eur Surg Res** 1984; 16 Suppl 2:5–13

Opposite effects of H2-receptors on parietal cells and chief cells. Gastric acid and pepsin secretion stimulated by histamine and food combined in dogs: the role of vagal innervation. Guldvog I, et al. **Eur Surg Res** 1984;16 Suppl 2:55–61

Axon reaction in hypoglossal and dorsal motor vagal neurons of adult rat: incorporation of [3H]leucine. Aldskogius H, et al. **Exp Neurol** 1984 Jul;85(1):139–51

Solitary nucleus neurons transmitting vagal visceral input to the forebrain via a direct pathway in rats. Nosaka S. **Exp Neurol** 1984 Sep;85(3):493–505

Inhibition and excitation of thoracic spinoreticular neurons by electrical stimulation of vagal afferent nerves. Thies R, et al. **Exp Neurol** 1983 Oct;82(1):1–16

Cardiac sympathetic-parasympathetic interactions. Levy MN. **Fed Proc** 1984 Aug;43(11):2598–602

Sham feeding and pancreatic secretion. Evidence for direct vagal stimulation of enzyme output. Anagnostides A, et al. **Gastroenterology** 1984 Jul;87(1):109–14

The vagus exerts trophic control of the stomach in the rat. Håkanson R, et al. **Gastroenterology** 1984 Jan;86(1):28–32

Relationship between porcine motilin-induced migrating motor complex-like activity, vagal integrity, and endogenous motilin release in dogs. Hall KE, et al. **Gastroenterology** 1984 Jul;87(1):76–85

Influence of vagotomy on mucosal protection against alcohol-induced gastric damage in the rat. Henagan JM, et al. **Gastroenterology** 1984 Oct;87(4):903–8

Pancreatic polypeptide: a hormone under vagal control. Schwartz TW. **Gastroenterology** 1983 Dec;85(6):1411–25 (171 ref.)

Influence of the vagus nerve upon the reflex control of the lower oesophageal sphincter. Ogilvie AL, et al. **Gut** 1984 Mar;25(3):253–8

Dependence of structure of the cardiac rhythm on physical working capacity of athletes. Kepezhenas AK, et al. **Hum Physiol** 1983 Sep–Oct;9(5):306–15

A study of vagal tone and cardiac effects of unilateral versus bilateral vagal stimulation in dogs, cats, rabbits and guinea pigs. Singh PI, et al. **Indian J Med Sci** 1983 Mar;37(3):45–48

Distribution of local repolarization changes produced by efferent vagal stimulation in the canine ventricles. Martins JB, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1191–9

Vagal control of respiratory pattern during hyperpnea in domestic fowl. Gleeson M, et al. **J Appl Physiol** 1984 Jun; 56(6):1650–4

Vagal feedback with expiratory threshold load under extracorporeal circulation. Jammes Y, et al. **J Appl Physiol** 1983 Aug;55(2):316–22

Expiratory threshold load under extracorporeal circulation: effects of vagal afferents. Jammes Y, et al. **J Appl Physiol** 1983 Aug;55(2):307–15

Interaction between histamine and vagal stimulation on tracheal smooth muscle in dogs. Kikuchi Y, et al. **J Appl Physiol** 1984 Mar;56(3):590–5

Vagal nerve function: behavioral and methodological considerations. Reports from a conference sponsored by the Kroc Foundation. Santa Ynez Valley, California, January 24–28, 1983. **J Auton Nerv Syst** 1983 Oct; 9(1):1–345

Vagal mechanisms controlling serotonin release from the gastrointestinal tract and pyloric motor function. Ahlman H, et al. **J Auton Nerv Syst** 1983 Oct;9(1):119–40

Perspective on extra-gastric vagal fibers: should they be preserved when possible? Donahue PE, et al. **J Auton Nerv Syst** 1983 Oct;9(1):3–12

The location of chronotropic cardioinhibitory vagal motoneurons in the medulla of the rabbit. Ellenberger H, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):513–29

Hepatic-vagal and gustatory afferent interactions in the brainstem of the rat. Hermann GE, et al. **J Auton Nerv Syst** 1983 Nov;9(2–3):477–95

In vitro and in vivo technique for assessing vagus nerve regeneration after parietal cell vagotomy in the rat. Joffe SN, et al. **J Auton Nerv Syst** 1983 Oct;9(1):27–51

Vagal control of the motor functions of the lower esophageal sphincter and the stomach. Lundgren O. **J Auton Nerv Syst** 1983 Oct;9(1):185–97 (52 ref.)

Recent studies on intestinal vagal afferent innervation. Functional implications. Mei N. **J Auton Nerv Syst** 1983 Oct;9(1):199–206 (40 ref.)

Gastrin and cholecystokinin in the vagus. Rehfeld JF. **J Auton Nerv Syst** 1983 Oct;9(1):113–8

Neurons of the vagal division of the solitary nucleus activated by the paraventricular nucleus of the hypothalamus. Rogers RC, et al. **J Auton Nerv Syst** 1984 Apr;10(2):193–7

Central connections of the sensory and motor nuclei of the vagus nerve. Sawchenko PE. **J Auton Nerv Syst** 1983 Oct; 9(1):13–26

Pancreatic polypeptide: a unique model for vagal control of endocrine systems. Schwartz TW. **J Auton Nerv Syst** 1983 Oct;9(1):99–111

Responses of cardiac vagus and sympathetic nerves to excitation of somatic and visceral nerves. Terui N, et al. **J Auton Nerv Syst** 1984 Apr;10(2):73–91

Release of gastrointestinal peptides in response to vagal activation induced by electrical stimulation, feeding and suckling. Uvnäs-Moberg K. **J Auton Nerv Syst** 1983 Oct; 9(1):141–55

Effect of chronic sham feeding on maximal gastric acid secretion in the dog. Thirlby RC, et al. **J Clin Invest** 1984 Feb;73(2):566–9

Accuracy of regeneration of vagal parasympathetic axons. Taylor B, et al. **J Comp Neurol** 1983 Dec 1;221(2):145–53

Vagal afferent inhibition of primate thoracic spinothalamic neurons. Ammons WS, et al. **J Neurophysiol** 1983 Oct; 50(4):926–40

A small atraumatic bipolar stimulating electrode for use on fine relatively inaccessible nerves. Lee KC, et al. **J Neurosci Methods** 1984 May;11(1):1–4

Neuroendocrine responses to stimulation of the vagus nerves in bursts in conscious calves. Adrian TE, et al. **J Physiol (Lond)** 1983 Nov;344:25–35

Interactions between splanchnic and vagus nerves in the control of mean intragastric pressure in the ferret. Andrews PL, et al. **J Physiol (Lond)** 1984 Jun;351:473–90

Vagal control of colonic motility in the anaesthetized ferret: evidence for a non-cholinergic excitatory innervation. Collman PI, et al. **J Physiol (Lond)** 1984 Mar;348:35–42

Vago-vagal reflexes to the colon of the anaesthetized ferret. Collman PI, et al. **J Physiol (Lond)** 1984 Jul;352:395–402

Vagal influences on the jejunal 'minute rhythm' in the anaesthetized ferret. Collman PI, et al. **J Physiol (Lond)** 1983 Dec;345:65–74

Trigeminal-baroreceptor reflex interactions modulate human

cardiac vagal efferent activity. Eckberg DL, et al. **J Physiol (Lond)** 1984 Feb;347:75–83

The response of the pancreas of the anaesthetized cat to secretin before, during and after reversible vagal blockade. Grundy D, et al. **J Physiol (Lond)** 1983 Sep;342:517–26

Evidence for non-cholinergic, non-adrenergic nervous control of mucus secretion into the cat trachea. Peatfield AC, et al. **J Physiol (Lond)** 1983 Sep;342:335–45

The non-adrenergic, vagal efferent system to the lung: does it exist, or is an artefact? Trenchard D. **Med Hypotheses** 1983 Dec;12(4):297–301

Clonidine and noradrenaline fail to inhibit vagal induced bradycardia. Evidence against prejunctional alpha-adrenoceptors on vagal varicosities in guinea pig right atria. Lew MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Jul; 323(3):228–32

Capsaicin pretreatment inhibits vagal cholinergic and non-cholinergic control of pulmonary mechanics in the guinea pig. Martling CR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):343–8

Convergence of hepatoportal glucose-sensitive afferent signals to glucose-sensitive units within the nucleus of the solitary tract. Adachi A, et al. **Neurosci Lett** 1984 May 4;46(2):215–8

Extrinsic innervation of the rat pancreas: demonstration of vagal sensory neurones in the rat by retrograde tracing. Sharkey KA, et al. **Neurosci Lett** 1983 Dec 2;42(2):131–5

Autoradiographic localization of substance P receptors in rat medulla: effect of vagotomy and nodose ganglionectomy. Helke CJ, et al. **Neuroscience** 1984 May; 12(1):215–23

Degenerative and regenerative changes in central projections of glossopharyngeal and vagal sensory neurons after peripheral axotomy in cats: a structural basis for central reorganization of arterial chemoreflex pathways. Majumdar S, et al. **Neuroscience** 1983 Nov;10(3):841–9

Somatostatinergic projections from the central nucleus of the amygdala to the vagal nuclei. Higgins GA, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):657–62

Co-existence of peptide HI (PHI) and VIP in nerves regulating blood flow and bronchial smooth muscle tone in various mammals including man. Lundberg JM, et al. **Peptides (Fayetteville)** 1984 May–Jun;5(3):593–606

Potentiation of cholecystokinin-induced exocrine secretion by either electrical stimulation of the vagus nerve or exogenous VIP administration in the guinea pig pancreas. Matsumoto T, et al. **Peptides (Fayetteville)** 1984 Mar–Apr; 5(2):285–9

Vagal control of the breathing pattern and respiratory mechanics in the adult and newborn rabbit. Mortola JP, et al. **Pflugers Arch** 1984 Jul;401(3):281–6

Effect of graded vagal blockade and pulmonary volume on tonic inspiratory activity in rabbits. Patberg WR. **Pflugers Arch** 1983 Jul;398(2):88–92

Control of hemodynamic adjustments during acute volume expansion in the rabbit. Taylor RF, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):366–73

Changes in heart period, heart period variability, and a spectral analysis estimate of respiratory sinus arrhythmias during aortic nerve stimulation in rabbits. McCabe PM, et al. **Psychophysiology** 1984 Mar;21(2):149–58

Effect of changes in airway pressure on breathing pattern in conscious dogs. Davies A, et al. **Q J Exp Physiol** 1984 Jan;69(1):145–53

Electrophysiological study of vagal afferent and efferent units in conscious sheep. Rousseau JP. **Q J Exp Physiol** 1984 Jul;69(3):627–37

Inhibition of an opioid-evoked vagal reflex in rats by naloxone, SMS 201-995 and ICI 154, 129. Kiang JG, et al. **Regul Pept** 1983 Jul;6(3):255–62

Different modes of action of substance P in the motor control of the feline stomach and pylorus. Lidberg P, et al. **Regul Pept** 1983 Sep;7(1):41–52

Steady-state discharge and bursting of arterial chemoreceptors in the duck. Nye PC, et al. **Respir Physiol** 1984 Jun;56(3):369–84

Non-myelinated vagal lung receptors and their reflex effects on respiration in rabbits. Trenchard D, et al. **Respir Physiol** 1984 Jan;55(1):63–79

Effect of vasoactive intestinal peptide on vagally mediated tracheal pouch relaxation. Venugopalan CS, et al. **Respir Physiol** 1984 May;56(2):205–16

Afferent vagal C fibre innervation of the lungs and airways and its functional significance. Coleridge JC, et al. **Rev Physiol Biochem Pharmacol** 1984;99:1–110

The influence of somatostatin on gallbladder response to intraduodenal acid and autonomic nerve stimulation in the cat. Björck S, et al. **Scand J Gastroenterol** 1984 Mar; 19(2):173–7

Sympathetic nervous control of gastric motility and interaction with vagal activity. Abrahamsson H, et al. **Scand J Gastroenterol [Suppl]** 1984;89:83–7

Adrenergic receptors and gastric secretion in dogs. Is a 'tonic balance' relationship between vagal and beta 2-adrenergic activity a possibility? Gottrup F, et al. **Scand J Gastroenterol [Suppl]** 1984;89:117–20

Dopaminergic and adrenergic influence on gastric acid and pepsin secretion stimulated by food. The role of vagal innervation. Guldvog I, et al. **Scand J Gastroenterol [Suppl]** 1984;89:113–6

Neurogenic control of release of gastrin and somatostatin. Uvnäs-Moberg K, et al. **Scand J Gastroenterol [Suppl]** 1984; 89:131–6

Vagal control of gastrin release in the dog: pathways for stimulation and inhibition. Debas HT, et al. **Surgery** 1984 Jan;95(1):34–7

Plasma gastrin and pancreatic polypeptide response to atropine and sham feeding in man. Koizumi F, et al. **Tohoku J Exp Med** 1984 Jan;142(1):97–103

[Influence of vagus nerve, histamine, prostaglandin and catecholamine on airway obstruction] Zimmermann I, et al. **Respiration** 1984;45(4):372–93 (Eng. Abstr.) **(Ger)**

[Effect of various vagal functional conditions on the blood flow of abdominal organs] Lenz J, et al. **Z Gastroenterol** 1983 Sep;21(9):503–13 (Eng. Abstr.) **(Ger)**

[Temporal decay of the effect of a single vagal stimulation on cardiac rhythm in the rabbit] Federici A, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1935–41 (Eng. Abstr.) **(Ita)**

[Integration of the effects of a single stimulus applied to the vagus nerve on the right and the left, in the rabbit heart] Federici A, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1942–7 (Eng. Abstr.) **(Ita)**

[Vagal hypertonia in congenital A-V block. Apropos of a case] Marinato PG, et al. **Boll Soc Ital Cardiol** 1982; 27(1):89–94 **(Ita)**

[An experimental study of the effect of the posterior and celiac branches on the secretion of pancreatic glucagon, insulin, gastrin and secretin] Tamiya Y. **Nippon Geka Gakkai Zasshi** 1984 Mar;85(3):244–53 (Eng. Abstr.) **(Jpn)**

[Effect of pentobarbital sodium on tracheal pressure increase induced by vagus nerve stimulation in anesthetized dogs] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Dec; 21(12):1176–81 (Eng. Abstr.) **(Jpn)**

[Neural and humoral regulations of gastric acid secretion] Ishimori A, et al. **Nippon Rinsho** 1984 Jan;42(1):48–53 (24 ref.) **(Jpn)**

[Interaction of receptors on parietal cells at time of the vagal nerve stimulation with 2-deoxy-D-glucose] Kawashima T. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun; 81(6):1355–64 (Eng. Abstr.) **(Jpn)**

[Experimental study on the role of vagus nerve in the release of motilin] Shy CY. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1424–31 (Eng. Abstr.) **(Jpn)**

[Mechanism of the intracardiac interactions of the vagus and sympathetic nerves: is a serotoninergic mechanism possible?] Kositskiĭ GI, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):7–9 (Eng. Abstr.) **(Rus)**

[Control of cardiac rhythm by stimulation of the vagus nerve in bursts in the rat] Pokrovskiĭ MV. **Biull Eksp Biol Med** 1984 Apr;97(4):389–90 (Eng. Abstr.) **(Rus)**

[Cholinergic regulation of the cardiovascular system in old age] Shevchuk VG. **Fiziol Zh** 1984 Jan–Feb;30(1):110–4 **(Rus)**

[Effect of trigeminal nerve block on respiration in vagotomized cats] Glebovskiĭ VD, et al. **Fiziol Zh SSSR** 1983 Sep;69(9):1207–15 (Eng. Abstr.) **(Rus)**

[Participation of different groups of the afferent fibers of the depressor nerve in regulating blood pressure] Grigorian SV, et al. **Fiziol Zh SSSR** 1984 May;70(5):584–8 (Eng. Abstr.) **(Rus)**

[The parasympathetic nervous system and regulation of blood flow in the gastric mucosa in albino rats and dogs] Khomenko TA. **Fiziol Zh SSSR** 1984 Apr;70(4):472–7 (Eng. Abstr.) **(Rus)**

[Analysis of mechanisms of the accelerating effect of the vagus nerve on the work of the heart] Smirnov VM. **Fiziol Zh SSSR** 1983 Aug;69(8):1101–4 **(Rus)**

[Analysis of the differing mechanisms of action of the vagus nerves on the work of the heart] Smirnov VM. **Kardiologiia** 1983 Oct;23(10):96–8 (Eng. Abstr.) **(Rus)**

[Significance of experimental surgical procedures in practice using models of viscero-visceral reflexes originating in the gallbladder taking into account viscero-cerebral effects] Lindeman M. **Khirurgiia (Sofiia)** 1983;36(2):162–8 **(Rus)**

[Extracardiac and intracardiac neural regulation of the heart] Kositskiĭ GI. **Vestn Akad Med Nauk SSSR** 1984;(4):29–32 (Eng. Abstr.) **(Rus)**

[Importance of vagal innervation in the effects of duodenal acidification in the dog] Sainz R, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):28–31 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Abnormal parasympathetic vagal function in patients with spasmodic dysphonia. Feldman M, et al. **Ann Intern Med** 1984 Apr;100(4):491–5

Effects of sino-atrial ischaemia on the heart rate response to phasic burst stimulation of the right cervical vagus in the dog. Billette J, et al. **Cardiovasc Res** 1984 Aug; 18(8):486–96

Global versus regional myocardial ischaemia: differences in cardiovascular and sympathetic responses in cats. Lombardi F, et al. **Cardiovasc Res** 1984 Jan;18(1):14–23

Augmented gastrin responses in diabetic patients with vagal neuropathy. Kanatsuka A, et al. **Diabetologia** 1984 Jun; 26(6):449–52

On vagal bronchoconstriction in asthmatic patients by nasal irritation. Nolte D, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):110–5

Neurogenic and myogenic mechanisms of nonspecific bronchial hyperresponsiveness. Thomson NC. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):206–12

Sick sinus syndrome: the role of hypervagotonia. Santinelli V, et al. **Int J Cardiol** 1984 Apr;5(4):532–5

Role of vagal C-fiber afferents in respiratory response to hypercapnia. Russell NJ, et al. **J Appl Physiol** 1984 Jun; 56(6):1550–8

Neural mechanisms involved in the recovery from insulin hypoglycemia in dogs. Dolnikoff MS, et al. **J Auton Nerv Syst** 1983 Jun;8(2):129–39

The origins and role of efferent vagal nuclei in hyperinsulinemia in hypothalamic and genetically obese rodents. Rohner-Jeanrenaud F, et al. **J Auton Nerv Syst** 1983 Oct;9(1):173–84

Parasympathetic denervation of the iris in alcoholics with vagal neuropathy. Tan ET, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):61–4

Adoration of the vagi? [editorial] Nadel JA. **N Engl J Med** 1984 Aug 16;311(7):463–4

The role of vagal nerves in changes of functional residual lung capacity during acute hypoxia. Vizek M, et al. **Physiol Bohemoslov** 1983;32(4):318–23

On the triggering mechanism of vasovagal syncope. Henry JP. **Psychosom Med** 1984 Mar–Apr;46(2):91–3

[Vagus tone in duodenal ulcer patients] Kisfalvi I, et al. **Orv Hetil** 1984 Jun 3;125(23):1373–6 (Eng. Abstr.) **(Hun)**

[Complex evaluation of the nature of atrioventricular block in children] Belokon' NA, et al. **Pediatriia** 1984 Apr;(4):5–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Neurinoma of the abdominal pneumogastric nerve. Apropos of a case] Flageat J, et al. **J Radiol** 1983 Aug–Sep; 64(8–9):501–4 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Distribution of vagus nerve fibres in the stomach wall. Fehér E, et al. **Acta Chir Hung** 1983;24(3):177–85

Fine structure at the cut ends following section of the sensory component of the vagus nerve of mice. Inoue K. **Anat Anz** 1983;154(5):387–95

[Ultrastructural aspects of the vagus nerve in the adult rabbit] de Contreras AM, et al. **Acta Cient Venez** 1982;33(6):459–68 (Eng. Abstr.) **(Spa)**

VALERATES

ADMINISTRATION & DOSAGE

Treatment of type III hyperlipoproteinemia with four different treatment regimens. Hoogwerf BJ, et al. **Atherosclerosis** 1984 May–Jun;51(2–3):251–9

ANALYSIS

[Gas chromatographic studies on propionic acid, butyric acid and valeric acid in culture fluid of Trichomonas vaginalis] Ishiguro T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Mar; 36(3):363–8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Partial purification and characterization of two enzymes involved in isovaleric acid synthesis in Clostridium bifermentans. Britz ML, et al. **J Gen Microbiol** 1983 Oct; 129 (Pt 10):3227–37

BLOOD

Isovalerylglucuronide, a new urinary metabolite in isovaleric acidemia. Identification problems due to rearrangement reactions. Dorland L, et al. **Clin Chim Acta** 1983 Oct 31; 134(1–2):77–83

N-Isovalerylalanine and N-isovalerylsarcosine: two new minor metabolites in isovaleric acidemia. Lehnert W. **Clin Chim Acta** 1983 Oct 31;134(1–2):207–12

A simple method of determining 4-hydroxyisovaleric acid and its level in a patient with isovaleric acidemia. Shigematsu Y, et al. **Clin Chim Acta** 1984 Apr 27; 138(3):333–6

Gas chromatographic determination of gemfibrozil and its metabolites in plasma and urine. Randinitis EJ, et al. **J Chromatogr** 1984 Apr 13;307(1):210–5

Complementation studies of isovaleric acidemia and glutaric aciduria type II using cultured skin fibroblasts. Dubiel B, et al. **J Clin Invest** 1983 Nov;72(5):1543–52

Neonatal lethargy due to isovaleric acidemia and hyperammonemia. Mendiola J Jr, et al. **Tex Med** 1984 Jan; 80(1):52–4

METABOLISM

Profiles of urinary volatiles from metabolic disorders characterized by unusual odors. Burke DG, et al. **Clin Chem** 1983 Oct;29(10):1834–8

Stable isotope dilution analysis of 3-hydroxyisovaleric acid in amniotic fluid: contribution to the prenatal diagnosis of inherited disorders of leucine catabolism. Jakobs C, et al. **J Inherited Metab Dis** 1984;7(1):15–20

PHARMACODYNAMICS

Some comparative effects of gemfibrozil, clofibrate, bezafibrate, cholestyramine and compactin on sterol metabolism in rats. Maxwell RE, et al. **Atherosclerosis** 1983 Sep;48(3):195–203

Role of N-acetylglutamate and acetyl-CoA in the inhibition of ureagenesis by isovaleric acid in isolated rat hepatocytes. Coude FX, et al. **Biochim Biophys Acta** 1983 Nov 22; 761(1):13–6

Quantitative microscopy comparison of peroxisome proliferation by the lipid-regulating agent gemfibrozil in several species. Gray RH, et al. **Hepatology** 1984 May–Jun; 4(3):520–30

[Studies on the effect of Harmonicum Much on sleep using polygraphic EEG recordings] Gessner B, et al. **EEG EMG** 1984 Mar;15(1):45–51 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Influence of gemfibrozil and clofibrate on metabolism of cholesterol and plasma triglycerides in man. Kesäniemi YA, et al. **JAMA** 1984 May 4;251(17):2241–6

URINE

Isovalerylglucuronide, a new urinary metabolite in isovaleric acidemia. Identification problems due to rearrangement reactions. Dorland L, et al. **Clin Chim Acta** 1983 Oct 31; 134(1–2):77–83

The identification and the excretion pattern of isovaleryl glucuronide in the urine of patients with isovaleric acidemia. Hine DG, et al. **Pediatr Res** 1984 Jun; 18(6):508–12

[Isovaleric aciduria] Hyánek J, et al. **Cas Lek Cesk** 1983 Sep 2;122(35):1082–4 (Eng. Abstr.) (Cze)

VALERIAN

Quantifying the effects of mild sedatives. Leathwood PD, et al. **J Psychiatr Res** 1982–83;17(2):115–22 (17 ref.)

ANALYSIS

HPLC analysis of valepotriates in the North American genera Plectritis and Valeriana. Foerster W, et al. **Planta Med** 1984 Feb;(1):7–9

VALINE

ADMINISTRATION & DOSAGE

Evidence for valine intolerance in patients with cirrhosis. Schauder P, et al. **Hepatology** 1984 Jul–Aug;4(4):667–70

ANALOGS & DERIVATIVES

Actions of D and L forms of 2-amino-5-phosphonovalerate and 2-amino-4-phosphonobutyrate in the cat spinal cord. Davies J, et al. **Brain Res** 1982 Mar 11;235(2):378–86

Metabolism of 2-oxo-acid analogues of leucine and valine in isolated rat hepatocytes. Brand K, et al. **Hoppe Seylers Z Physiol Chem** 1984 Apr;365(4):463–8

Verapamil counteracts the masking of long-lasting potentiation of hippocampal population spike produced by 2-amino-5-phosphonovalerate. Sastry BR, et al. **Life Sci** 1984 Jan 23;34(4):323–9

L-glutamate has higher affinity than other amino acids for [3H]-D-AP5 binding sites in rat brain membranes. Olverman HJ, et al. **Nature** 1984 Feb 2–8;307(5950):460–2

The behavioural effects of an N-methylaspartate receptor antagonist following application to the lumbar spinal cord of conscious rats. Cahusac PM, et al. **Neuropharmacology** 1984 Jul;23(7A):719–24

Antiepileptic action of excitatory amino acid antagonists in the photosensitive baboon, Papio papio. Meldrum BS, et al. **Neurosci Lett** 1983 Aug 19;39(1):101–4

Pharmacological modulation of on and off ganglion cells in the cat retina. Bolz J, et al. **Neuroscience** 1984 Jul; 12(3):875–85

A comparison of the anticonvulsant potency of (+/-) 2-amino-5-phosphonopentanoic acid and (+/-) 2-amino-7-phosphonoheptanoic acid. Meldrum BS, et al. **Neuroscience** 1983 Aug;9(4):925–30

ANALYSIS

Hemoglobin Collingwood beta 60 (E4) Val replaced by Ala. A new unstable hemoglobin. Williamson D, et al. **Hemoglobin** 1983;7(6):511–9

BIOSYNTHESIS

Isolation and analysis of two Escherichia coli K-12 ilv attenuator deletion mutants with high-level constitutive expression of an ilv-lac fusion operon. Bennett DC, et al. **J Bacteriol** 1984 Mar;157(3):839–45

BLOOD

Plasma valine and urinary C-peptide in breast-fed and artificially fed infants up to 6 months of age. Ginsburg BE, et al. **Acta Paediatr Scand** 1984 Mar;73(2):213–7

DEFICIENCY

The effect of valine deficiency on neutral amino acid patterns in plasma and brain of the rat. Hutchison SN, et al. **J Nutr** 1983 Nov;113(11):2164–70

GENETICS

Reduced expression of the isoleucine and valine enzymes in integration host factor mutants of Escherichia coli. Friden P, et al. **J Mol Biol** 1984 Feb 5;172(4):573–9

Molecular characterization of ilvC specialized transducing phages of Escherichia coli K-12. Baylor NW, et al. **MGG** 1983;191(3):347–52

Regulation of acetohydroxy acid synthase activities in adenyl cyclase-deficient strains of Escherichia coli K-12. Williams AL. **MGG** 1983;191(3):353–7

METABOLISM

Atypical amino acids inhibit histidine, valine, or lysine transport into rat brain. Tews JK, et al. **Am J Physiol** 1983 Oct;245(4):R556–63

Metabolism of branched-chain keto acids in neonatal rat liver perfusions. Frost SC, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):425–32

Characterization of valine transport in sea urchin eggs. Allemand D, et al. **Biochim Biophys Acta** 1984 May 30; 772(3):337–46

Postnatal increase in the metabolism of leucine and valine. Fuller GN, et al. **Biol Neonate** 1983;44(5):295–302

The valine, leucine and isoleucine requirements of white Leghorn chicks. Mori S, et al. **Br Poult Sci** 1984 Jan; 25(1):19–25

Healing of biodegradable vascular prosthesis. Incorporation of 3H-valine into proteins in the subendothelial scar and host intima-media of rat aorta. Moczar M, et al. **Connect Tissue Res** 1983;12(1):33–42

Valine requirement for reproduction in swine. Robles-Cabrera A, et al. **J Anim Sci** 1983 Dec; 57(6):1479–86

Ammonium ion suppresses the biosynthesis of tylosin aglycone by interference with valine catabolism in Streptomyces fradiae. Omura S, et al. **J Antibiot (Tokyo)** 1983 Dec;36(12):1792–4

Incorporation of 3H-valine into soluble protein of cultivated astroglial cells after morphine treatment. Hansson E, et al. **J Neurosci Res** 1983;10(3):279–88

Leucine, isoleucine and valine requirements of immature beagle dogs. Burns RA, et al. **J Nutr** 1984 Jan;114(1):204–9

The influence of level of valine on nitrogen status and plasma free amino acid levels in infused sheep. Mesbah MM, et al. **J Nutr** 1984 Aug;114(8):1363–9

Branched-chain amino acid metabolism in chronic renal failure. Tizianello A, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S17–22

Valine metabolism in vivo: effects of high dietary levels of leucine and isoleucine. Block KP, et al. **Metabolism** 1984 Jun;33(6):559–66

Selective fetal malnutrition: the effect of in vivo ethanol exposure upon in vitro placental uptake of amino acids in the non-human primate. Fisher SE, et al. **Pediatr Res** 1983 Sep;17(9):704–7

Effect of subchronic administration of methyl parathion on in vivo protein synthesis in pregnant rats and their conceptuses. Gupta RC, et al. **Toxicol Appl Pharmacol** 1984 Mar 15;72(3):457–68

PHARMACODYNAMICS

Inhibition by L-valine and L-norleucine of 3-phenylpyruvate-induced insulin release. Sener A, et al. **Biochimie** 1984 May;66(5):353–60

Effects of D-valine on pulmonary artery endothelial cell morphology and function in cell culture. Picciano PT, et al. **Exp Cell Res** 1984 Mar;151(1):134–47

Effect of D-valine and cytosine arabinoside on [3H]thymidine incorporation in rat and rabbit epididymal epithelial cell cultures. Orgebin-Crist MC, et al. **In Vitro** 1984 Jan;20(1):45–52

Oral administration of alpha-ketoisovaleric acid or valine in humans: blood kinetics and biochemical effects. Schauder P, et al. **J Lab Clin Med** 1984 Apr;103(4):597–605

VALINOMYCIN

[Acute angle x-ray scattering by phospholipid membranes after treatment with valinomycin] L'vov IuM, et al. **Biofizika** 1983 Nov–Dec;28(6):1040–5 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of valinomycin on human peripheral blood lymphocytes. Schultz JC, et al. **Biochem Pharmacol** 1984 Jul 1;33(13):2151–4

Valinomycin inhibition of the electrical activity of mouse pancreatic beta-cells. Boschero AC, et al. **Braz J Med Biol Res** 1983 Jul;16(2):153–60

Response of cochlear potentials to presumed alterations of ionic conductance: endolymphatic perfusions of barium, valinomycin and nystatin. Marcus DC, et al. **Hear Res** 1983 Oct;12(1):17–30

The effect of permeant buffers on initial ATP synthesis by chloroplasts using rapid mix-quench techniques. Horner RD, et al. **J Biol Chem** 1983 Oct 10;258(19):11643–7

Effects of valinomycin on hexose transport and cellular ATP pools in mouse fibroblasts. Yamanishi K. **J Cell Physiol** 1984 May;119(2):163–71

The effects of valinomycin on ion movements across the sarcoplasmic reticulum in frog muscle. Kitazawa T, et al. **J Physiol (Lond)** 1984 May;350:253–68

VALPROATE

ADMINISTRATION & DOSAGE

Monodose versus 3 daily doses of sodium valproate: a controlled trial. Gjerløff I, et al. **Acta Neurol Scand** 1984 Feb;69(2):120–4

Valproate-ethosuximide combination therapy for refractory absence seizures. Rowan AJ, et al. **Arch Neurol** 1983 Dec; 40(13):797–802

Open trials with valproate in epilepsy. Dulac O, et al. **Epilepsia** 1984;25 Suppl 1:S23–31

Valproate monotherapy. Henriksen O, et al. **Epilepsia** 1984; 25 Suppl 1:S73–7

Variability in level-dose ratio of valproate: monotherapy versus polytherapy. Levy RH. **Epilepsia** 1984;25 Suppl 1:S10–3

Rational use of valproate: indications and drug regimen in epilepsy. Loiseau P. **Epilepsia** 1984;25 Suppl 1:S65–72

Intensive follow-up monitoring in patients with once daily evening administration of sodium valproate. Stefan H, et al. **Epilepsia** 1984 Apr;25(2):152–60

Sodium valproate associated with phenobarbital: effects on ammonia metabolism in humans. Warter JM, et al. **Epilepsia** 1983 Oct;24(5):628–33

Intra-daily oscillations in dipropylacetic acid plasma levels with two or three daily doses of dipropylacetamide in epileptic patients. Pisani F, et al. **Ital J Neurol Sci** 1983 Jun;4(2):173–7

Rectal administration of sodium valproate in children. Scanabissi E, et al. **Ital J Neurol Sci** 1984 Jun;5(2):189–93

Sodium valproate and metyrapone for pituitary-dependent Cushing's disease [letter] Glaser B, et al. **Lancet** 1984 Sep 15;2(8403):640

Effects of a GABA-mimetic drug (sodium valproate) on visually evoked potentials in chronic schizophrenics. Kausen J, et al. **Neuropsychobiology** 1984;11(1):59–64

Blepharospasm—successful treatment with baclofen and sodium valproate. A case report. Sandyk R. **S Afr Med J** 1983 Dec 3;64(24):955–6

Beneficial effect of sodium valproate and baclofen in spasmodic torticollis. A case report. Sandyk R. **S Afr Med J** 1984 Jan 14;65(2):62–3

ADVERSE EFFECTS

Side effects of carbamazepine, valproate and clonazepam during long-term treatment of epilepsy. Keränen T, et al. **Acta Neurol Scand [Suppl]** 1983;97:69–80

Congenital liver damage after treatment of mother with valproic acid and phenytoin? Felding I, et al. **Acta Paediatr Scand** 1984 Jul;73(4):565–8

On the toxicity of valproic acid [editorial] Isom JB. **Am J Dis Child** 1984 Oct;138(10):901–3

Pancreatitis associated with valproic acid therapy. Wyllie E, et al. **Am J Dis Child** 1984 Oct;138(10):912–4

Phenytoin intoxication as the first symptom of fatal liver damage induced by sodium valproate. Palm R, et al. **Br J Clin Pharmacol** 1984 May;17(5):597–9

Valproate-induced hyperammonemia in asymptomatic children. Wyllie E, et al. **Cleve Clin Q** 1983 Fall;50(3):275–7

Valproic acid and congenital malformations. A case report. Bantz EW. **Clin Pediatr (Phila)** 1984 Jun;23(6):352–3

Nondosage-dependent valproic acid-induced hyperammonemia and coma. Gaskins JD, et al. **Clin Pharm** 1984 May–Jun;3(3):313–6

Sodium valproate and haemostasis—what to do. **Drug Ther Bull** 1984 Mar 23;22(6):23–4

Non-dose-related side effects of valproate. Jeavons PM. **Epilepsia** 1984;25 Suppl 1:S50–5

Adverse effects of valproate. Schmidt D. **Epilepsia** 1984;25 Suppl 1:S44–9

Psychiatric complications of absence therapy and their relation to alteration of sleep. Wolf P, et al. **Epilepsia** 1984; 25 Suppl 1:S56–9

Abnormal metabolism of valproic acid in fatal hepatic failure. Kochen W, et al. **Eur J Pediatr** 1983 Oct;141(1):30–5

Hyperammonemia and valproate-induced alterations of the state of consciousness. A report of 8 cases. Zaccara G, et al. **Eur Neurol** 1984;23(2):104–12

Hepatotoxicity to sodium valproate: a review. Powell-Jackson PR, et al. **Gut** 1984 Jun;25(6):673–81 (59 ref.)

Case report: pancreatic pseudocyst associated with valproic acid therapy. Baskies AM. **J Med Soc NJ** 1984 May; 81(5):399–400

Possible teratogenic effect of valproate during pregnancy [letter] Koch S, et al. **J Pediatr** 1983 Dec;103(6):1007–8

Hypothyroidism and sodium valproate [letter] Salvatoni A, et al. **J Pediatr** 1983 Dec;103(6):1005–6

Carnitine deficiency: a possible mechanism for valproate hepatotoxicity [letter] Coulter DL. **Lancet** 1984 Mar 24; 1(8378):689

Hepatitis A in three patients taking sodium valproate [letter] Dowling SJ. **Lancet** 1984 Apr 28;1(8383):963–4

Spina bifida and in-utero exposure to valproate [letter] Lindhout D, et al. **Lancet** 1984 Aug 18;2(8399):396

Maternal epilepsy, valproate exposure, and birth defects [letter] Mastroiacovo P, et al. **Lancet** 1983 Dec 24–31;

2(8365-66):1499
Possible hazard of valpromide-carbamazepine combination therapy in epilepsy [letter] Meijer JW, et al. **Lancet** 1984 Apr 7;1(8380):802
Heterozygous alpha 1-antitrypsin deficiency and valproate hepatotoxicity [letter] Moore JR, et al. **Lancet** 1984 Jan 28;1(8370):221
Valproate and birth defects [letter] Robert E, et al. **Lancet** 1983 Nov 12;2(8359):1142
Anticonvulsant activity and embryotoxicity of valproic acid [letter] Nau H, et al. **Neurology (NY)** 1984 Mar;34(3):400-1
Valproate treatment and carnitine deficiency [letter] Ohtani Y, et al. **Neurology (NY)** 1984 Aug;34(8):1128-9
Valproic acid-induced hyperammonemia in mentally retarded adults. Williams CA, et al. **Neurology (NY)** 1984 Apr;34(4):550-3
Sodium valproate and the development of acute hepatic failure [letter] Jaeken J, et al. **Pediatr Res** 1984 Apr; 18(4):390
Nicotinic acid deficiency induced by sodium valproate [letter] Gillman MA, et al. **S Afr Med J** 1984 Jun 23; 65(25):986
[Comparison of the side-effects of lithium and dipropylacetamide (Depamide)] Vencovský E, et al. **Cesk Psychiatr** 1983 Aug;79(4):223-7 (Eng. Abstr.) **(Cze)**
[Stupor associated with the treatment of epilepsy with valproate] Skjødt T, et al. **Ugeskr Laeger** 1984 Apr 9; 146(15):1137-8 (Eng. Abstr.) **(Dan)**
[Role of hyperammonemia in stuporous states induced by sodium valproate] Warter JM, et al. **Rev Neurol (Paris)** 1983;139(12):753-7 (Eng. Abstr.) **(Fre)**
[Alterations of the state of consciousness induced by valproic acid: 6 case reports] Campostrini R, et al. **Riv Patol Nerv Ment** 1983 Jan-Feb;104(1):23-34 (Eng. Abstr.) **(Ita)**
[Platelet dysfunction in children during treatment with sodium valproate] Ikeda N, et al. **No To Hattatsu** 1984 Jan;16(1):27-31 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Twice-daily dosing of valproate with divalproex. Wilder BJ, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):501-4
pH-dependent rearrangement of the biosynthetic ester glucuronide of valproic acid to beta-glucuronidase-resistant forms. Dickinson RG, et al. **Drug Metab Dispos** 1984 Mar-Apr;12(2):247-52
The effects of analogues of valproic acid on seizures induced by pentylenetetrazol and GABA content in brain of mice. Keane PE, et al. **Neuropharmacology** 1983 Jul;22(7):875-9

BLOOD

A new method for kinetic studies of drug interactions in experimental animals during steady state. Controlled-rate application of valproic acid, phenobarbital and their combinations via implanted osmotic minipumps in the mouse. Kuhnz W, et al. **Arzneimittelforsch** 1983; 33(11):1579-82
Differential transplacental binding of valproic acid: influence of free fatty acids. Albani F, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):759-62
Enzyme immunoassay of valproic acid using the Abbott ABA-200 analyzer. Higgins TN. **Clin Biochem** 1983 Aug; 16(4):222-3
Quantitative determination of valproic acid by means of gas chromatographic headspace analysis. Degel F, et al. **Clin Chim Acta** 1984 May 16;139(1):29-36
Protein binding of valproic acid in maternal and umbilical cord serum. Froescher W, et al. **Epilepsia** 1984 Apr; 25(2):244-9
Intra-daily oscillations in dipropylacetic acid plasma levels with two or three daily doses of dipropylacetamide in epileptic patients. Pisani F, et al. **Ital J Neurol Sci** 1983 Jun;4(2):173-7
Resolution of valproic acid from deuterated analogues and their quantitation in plasma using capillary gas chromatography. Hoffman DJ, et al. **J Chromatogr** 1983 Sep 9;276(2):301-9
New method for the gas chromatographic determination of valproic acid in serum. Nishioka R, et al. **J Chromatogr** 1983 Oct 14;277:356-60
Five doubly unsaturated metabolites of valproic acid in urine and plasma of patients on valproic acid therapy. Kochen W, et al. **J Clin Chem Clin Biochem** 1984 Apr;22(4):309-17
Valproic acid in the perinatal period: decreased maternal serum protein binding results in fetal accumulation and neonatal displacement of the drug and some metabolites. Nau H, et al. **J Pediatr** 1984 Apr;104(4):627-34
Rapid gas chromatographic assay for monitoring valproic acid and valpromide in plasma. Bialer M, et al. **J Pharm Sci** 1984 Jul;73(7):991-3
Lack of significant correlation between circadian profiles of valproic acid serum levels and epileptiform electroencephalographic activity. Burr W, et al. **Ther Drug Monit** 1984;6(2):179-81
Filtration for free drug level monitoring: carbamazepine and valproic acid. Levy RH, et al. **Ther Drug Monit** 1984; 6(1):67-76
[Serum levels of free valproic acid] de la Morena García E, et al. **Rev Clin Esp** 1984 Mar 15;172(5):257-60 (Eng. Abstr.) **(Spa)**

METABOLISM

Metabolism of valproic acid by hepatic microsomal cytochrome P-450. Prickett KS, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1166-73
Valproate glucuronidation by rat liver microsomes. Interaction with parahydroxyphenobarbital. Taburet AM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3859-61
Identification of valproic acid metabolites in human serum and urine using hexadeuterated valproic acid and gas chromatographic mass spectrometric analysis. Acheampong A, et al. **Biomed Mass Spectrom** 1983 Nov; 10(11):586-95
Comparative pharmacokinetic analysis of a novel sustained release dosage form of valproic acid in dogs. Bialer M, et al. **Biopharm Drug Dispos** 1984 Jan-Mar;5(1):1-10
Pharmacokinetics of valpromide in dogs after various modes of administration. Bialer M, et al. **Biopharm Drug Dispos** 1984 Apr-Jun;5(2):177-83
Pharmacokinetics of valproic acid in the elderly. Perucca E, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):665-9
Plasma protein-binding and CSF concentrations of valproic acid in man following acute oral dosing. Rapeport WG, et al. **Br J Clin Pharmacol** 1983 Oct;16(4):365-9
Effect of increased bile flow and bile acid secretion on the hepatic elimination of sodium valproate in the cat. Marshall AW, et al. **Clin Exp Pharmacol Physiol** 1984 May-Jun; 11(3):309-17
First-dose and steady-state pharmacokinetics of valproic acid in children with seizures. Hall K, et al. **Clin Pharmacokinet** 1983 Sep-Oct;8(5):447-55
Diurnal variation in valproic acid clearance. Bauer LA, et al. **Clin Pharmacol Ther** 1984 Apr;35(4):505-9
A longitudinal study of valproate free fraction in the specific age group at greatest risk for febrile convulsions (children below 3 years). Monaco F, et al. **Epilepsia** 1984 Apr; 25(2):240-3
Valproic acid and metabolites: pharmacological and toxicological studies. Nau H, et al. **Epilepsia** 1984;25 Suppl 1:S14-22
Pharmacokinetics of valproic acid obtained after administration of three oral formulations to humans. Bialer M, et al. **Isr J Med Sci** 1984 Jan;20(1):46-9
A comparative study on the pharmacokinetics of valpramide after intravenous administration in dogs. Bialer M, et al. **J Pharm Pharmacol** 1983 Sep;35(9):607-9
Use of hexadeuterated valproic acid and gas chromatography-mass spectrometry to determine the pharmacokinetics of valproic acid. Acheampong AA, et al. **J Pharm Sci** 1984 Apr;73(4):489-94
Clinical pharmacokinetics of sodium valproate, carbamazepine and phenytoin. Level-dose ration and interactions. Levy RH, et al. **Schweiz Rundsch Med Prax** 1984 Feb 7;73(6):159-63 (36 ref.)
Valproic acid binding to human serum albumin and human plasma: effects of pH variation and buffer composition in equilibrium dialysis. Albani F, et al. **Ther Drug Monit** 1984; 6(1):31-3
Pharmacokinetics of enteric-coated valproic acid. Albright PS, et al. **Ther Drug Monit** 1984;6(1):21-3
Bioavailability of calcium valproate in normal men compared with the free acid and sodium salt. Glazko AJ, et al. **Ther Drug Monit** 1983;5(4):409-17
Mechanism of altered drug binding to serum proteins in pregnant women: studies with valproic acid. Riva R, et al. **Ther Drug Monit** 1984;6(1):25-30
Aspects of the metabolism of valproic acid. Granneman GR, et al. **Xenobiotica** 1984 May;14(5):375-87
[Correlation among sodium valproate concentrations in the total blood, plasma ultrafiltrate, and cerebrospinal fluid] Murata Y, et al. **No To Hattatsu** 1983 Sep;15(5):390-5 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Treatment of epileptic patients with valproic acid does not modify plasma and urine short-chain-fatty acids. Zaccara G, et al. **Acta Neurol Scand** 1983 Oct;68(4):241-7
The effects of valproic acid on liver function. de Wolff FA, et al. **Arch Toxicol [Suppl]** 1983;6:369-73
Action of the antiepileptic drug, valproic acid, on fatty acid oxidation in isolated rat hepatocytes. Coudé FX, et al. **Biochem Biophys Res Commun** 1983 Sep 15;115(2):730-6
Inhibition of ureagenesis by valproate in rat hepatocytes. Role of N-acetylglutamate and acetyl-CoA. Coude FX, et al. **Biochem J** 1983 Oct 15;216(1):233-6
Anticonvulsant activity of intracerebroventricularly administered valproate and valproate analogues. A dose-dependent correlation with changes in brain aspartate and GABA levels in DBA/2 mice. Chapman AG, et al. **Biochem Pharmacol** 1984 May 1;33(9):1459-63
Effect of valproate on free plasma phenytoin concentrations. Tsanaclis LM, et al. **Br J Clin Pharmacol** 1984 Jul; 18(1):17-20
Pre- and postsynaptic actions of valproic acid at the frog neuromuscular junction. Alkadhi KA, et al. **Brain Res** 1984 Jul 23;306(1-2):388-90
Convulsant effects of kainic acid and dihydrofolate are antagonized by sodium valproate. De Sarro GB, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):163-5
Effects of the GABAergic drug, sodium valproate, on the prolactin release evoked by pharmacological stimuli in normal women. Melis GB, et al. **Clin Endocrinol (Oxf)** 1984 Mar;20(3):245-52
Carbamazepine/valproic acid interaction in man and rhesus monkey. Levy RH, et al. **Epilepsia** 1984 Jun;25(3):338-45
Sodium valproate and cognitive function. Trimble MR, et al. **Epilepsia** 1984;25 Suppl 1:S60-4
Comparative evaluation of anticonvulsant and toxic potencies of valproic acid and 2-en-valproic acid in different animal models of epilepsy. Löscher W, et al. **Eur J Pharmacol** 1984 Mar 23;99(2-3):211-8
Effect of the antiepileptic di-n-propylacetamide on 5-hydroxytryptamine turnover in the brain and 5-hydroxyindoleacetic acid level in the cerebrospinal fluid. Whitton PS, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):57-62
Antinociceptive action of sodium valproate in the mouse. Mesdjian E, et al. **Gen Pharmacol** 1983;14(6):697-9
Negative ionotropic effect of sodium valproate on some isolated heart preparations [letter] Shah GF, et al. **Indian J Physiol Pharmacol** 1983 Oct-Dec;27(4):353-4
Effects of sodium-valproate administration on plasma ACTH levels in patients with ACTH hypersecretion. Ambrosi B, et al. **J Endocrinol Invest** 1983 Aug;6(4):305-6
Excitable channel currents and gating times in the presence of anticonvulsants ethosuximide and valproate. Fohlmeister JF, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):75-81
Valproic acid increases gamma-aminobutyric acid in CSF of epileptic children. Löscher W, et al. **Lancet** 1984 Jul 28;2(8396):225
Reversal of the anti-conflict action of valproate by various GABA and benzodiazepine antagonists. Liljequist S, et al. **Life Sci** 1984 Jun 18;34(25):2525-33
Quasi-morphine withdrawal behaviour: indication for a specific involvement of the GABA-ergic nerve terminal compartment. van der Laan JW. **Life Sci** 1983;33 Suppl 1:389-92
Membrane-disordering potency and anticonvulsant action of valproic acid and other short-chain fatty acids. Perlman BJ, et al. **Mol Pharmacol** 1984 Jul;26(1):83-9
Inhibition by sodium valproate of the transport of GABA through the Deiters' neurone plasma membrane. Hyden H, et al. **Neuropharmacology** 1984 Mar;23(3):319-21
Effects of chlordiazepoxide and of valproate on hyponeophagia in rats. Evidence for a mutual antagonism between their anxiolytic properties. Shephard RA, et al. **Neuropharmacology** 1984 Jun;23(6):677-81
Protective effects of diazepam and valproate on beta-vinyllactic acid-induced seizures. Bernasconi R, et al. **Neurosci Lett** 1984 Jun 29;47(3):339-44
Drug-induced changes in GABA content of nerve endings in 11 rat brain regions. Correlation to pharmacological effects. Löscher W, et al. **Neurosci Lett** 1984 Jun 29; 47(3):325-31
Effects of valproic acid derivatives on the acquisition of active avoidance behavior in the rat. Continella G, et al. **Pharmacol Res Commun** 1984 Jul;16(7):699-706
The role of different types of adrenergic receptors in pentylenetetrazol-induced seizures and the effect of di-n-propylacetate in the rat. Lazarova M, et al. **Psychopharmacology (Berlin)** 1983;81(2):177-82
Dipropylacetate-induced quasi-morphine abstinence behaviour in the rat: suppression by alpha 2-adrenoceptor stimulation. van der Laan JW, et al. **Psychopharmacology (Berlin)** 1983;81(3):267-71
[Neuroendocrine effects of a sodium valproate and diazepam combination in the male rat] Hariton C, et al. **J Pharmacol** 1984 Apr-Jun;15(2):137-42 (Eng. Abstr.) **(Fre)**
[Renal glutamine metabolism in man during treatment with sodium valproate] Warter JM, et al. **Rev Neurol (Paris)** 1984;140(5):370-1 (Eng. Abstr.) **(Fre)**
[Valproic acid and corticotropic function (letter)] Giroud M, et al. **Therapie** 1984 May-Jun;39(3):329-30 **(Fre)**

POISONING

Fatal intoxication with sodium valproate [letter] Schnabel R, et al. **Lancet** 1984 Jan 28;1(8370):221-2

THERAPEUTIC USE

Failure of valproic acid to inhibit the growth of an ACTH-secreting pituitary adenoma. Gwinup G, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):449-54
Sodium valproate and cyproheptadine may independently induce a remission in the same patient with Cushing's disease. Koppeschaar HP, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):160-3
The effects of carbamazepine and valproate on folate metabolism in man. Hendel J, et al. **Acta Neurol Scand** 1984 Apr;69(4):226-31
Absence seizures: valproate or ethosuximide? Santavuori P. **Acta Neurol Scand [Suppl]** 1983;97:41-8
Nonsedative regimens in the treatment of epilepsy. Porter RJ, et al. **Arch Intern Med** 1983 May;143(5):945-7
Symptom control in tardive dyskinesia [letter] Crowe BM. **Br J Psychiatry** 1983 Oct;143:419-20
Prevention of febrile convulsions with sodium valproate. Ogunmekan AO. **Cent Afr J Med** 1984 Feb;30(2):277-9
Controlled and comparative trials of valproate performed in Europe and Asia. Gram L, et al. **Epilepsia** 1984;25 Suppl 1:S32-9
Effectiveness and toxicity of phenobarbital, primidone, and sodium valproate in the prevention of febrile convulsions,

controlled by plasma levels. Herranz JL, et al. **Epilepsia** 1984 Feb;25(1):89–95
Valproic acid: update on its mechanisms of action. Johnston D. **Epilepsia** 1984;25 Suppl 1:S1–4
Value of Mongolian gerbils in antiepileptic drug evaluation. Majkowski J, et al. **Epilepsia** 1983 Oct;24(5):609–15
Valproate: recent findings and perspectives. Morre M, et al. **Epilepsia** 1984;25 Suppl 1:S5–9
Effects of anticonvulsants on hyperthermia-induced seizures in the rat pup. Olson JE, et al. **Epilepsia** 1984 Feb;25(1):96–9
Valproic acid–ethosuximide interaction: a pharmacokinetic study. Pisani F, et al. **Epilepsia** 1984 Apr;25(2):229–33
Controlled and comparative trials with valproate: United States. Ramsay RE. **Epilepsia** 1984;25 Suppl 1:S40–3
Sydenham's chorea [letter] Dhanaraj M, et al. **Indian Pediatr** 1984 Jan;21(1):80–1
Valproic acid amide in the treatment of affective and schizoaffective disorders. Pużyński S, et al. **J Affective Disord** 1984 Feb;6(1):115–21
Lack of ACTH lowering effect of sodium valproate in patients with ACTH hypersecretion. Loli P, et al. **J Endocrinol Invest** 1984 Apr;7(2):93–6
Treatment of post-traumatic choreo-athetosis with sodium valproate [letter] Chandra V, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):963
Sodium valproate re epilepsy [letter] Conran MJ, et al. **J Pediatr** 1984 Feb;104(2):322
Sodium valproate in Cushing's disease [letter] Cavagnini F, et al. **Lancet** 1984 Jul 21;2(8395):162–3
Sodium valproate and tardive dyskinesia [letter] Ames D, et al. **Med J Aust** 1984 Mar 17;140(6):350
Effect of hyperthermia on a thalamocortical system in the kitten and the cat: a preliminary study. Nowack WJ, et al. **Neurol Res** 1983;5(3):57–67
Comparison of valproic acid and phenytoin in newly diagnosed tonic-clonic seizures. Wilder BJ, et al. **Neurology (NY)** 1983 Nov;33(11):1474–6
Prevention of recurrent febrile convulsions—a randomized therapeutic assay: sodium valproate, phenobarbital and placebo. Mamelle N, et al. **Neuropediatrics** 1984 Feb; 15(1):37–42
Effect of valproic acid treatment on spike-wave discharge patterns during sleep and wakefulness. Burr W, et al. **Neuropsychobiology** 1983;10(1):56–9
Therapeutic effects of GABA-ergic drugs in affective disorders. A preliminary report. Emrich HM, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):369–72
Valproic acid amide as a prophylactic agent in affective and schizoaffective disorders. Pużyński S, et al. **Psychopharmacol Bull** 1984 Winter;20(1):151–9
[Tinnitus: current data and treatment with sodium valproate] Mansbach AL, et al. **Acta Otorhinolaryngol Belg** 1983; 37(5):697–705 **(Fre)**
[Efficacy of sodium valproate in partial epilepsy. Crossed study of valproate and carbamazepine] Loiseau P, et al. **Rev Neurol (Paris)** 1984;140(6-7):434–7 (Eng. Abstr.) **(Fre)**
[Therapy of generalized epilepsies with long-term EEG guided single dose administration of sodium valproate] Stefan H, et al. **Nervenarzt** 1983 Aug;54(8):430–4 **(Ger)**
[Sleep in chronic chorea patients after therapy with sodium valproate] Puca FM, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60(5):989–92 (Eng. Abstr.) **(Ita)**

TOXICITY

Electroencephalographic alterations during intoxication with sodium valproate: a case report. Pedersen B, et al. **Epilepsia** 1984 Feb;25(1):121–4
Protection against sodium valproate injury in isolated hepatocytes by alpha-tocopherol and N,N'-diphenyl-p-phenylenediamine. Buchi KN, et al. **J Clin Pharmacol** 1984 Apr;24(4):148–54
Inhibition of oxidative phosphorylation in hepatic and cerebral mitochondria of sodium valproate-treated rats. Rumbach L, et al. **J Neurol Sci** 1983 Oct-Nov;61(3):417–23
Valproate-induced hyperammonemia: role of diet. Marescaux C, et al. **World Rev Nutr Diet** 1984;43:174–8

VALSALVA'S MANEUVER

Pressure opening and closing functions of the Eustachian tube by inflation and deflation in children and adults with normal ears. Bylander A, et al. **Acta Otolaryngol (Stockh)** 1983 Sep-Oct;96(3-4):255–68
Prevalence of right-to-left atrial shunting in a healthy population: detection by Valsalva maneuver contrast echocardiography. Lynch JJ, et al. **Am J Cardiol** 1984 May 15;53(10):1478–80
Dyspnea: the heart or the lungs? Differentiation at bedside by use of the simple Valsalva maneuver. Zema MJ, et al. **Chest** 1984 Jan;85(1):59–64
The Valsalva maneuver: mechanisms and clinical implications. Porth CJ, et al. **Heart Lung** 1984 Sep; 13(5):507–18
Contrast echocardiographic visualization of cough-induced right to left shunt through a patent foramen ovale. Dubourg O, et al. **J Am Coll Cardiol** 1984 Sep;4(3):587–94
Re: Computed tomographic confirmation of femoral vein distension with the valsalva maneuver [letter] LePage JR, et al. **Radiology** 1983 Nov;149(2):605–6
Transient changes in cerebral vascular resistance during the Valsalva maneuver in man. Greenfield JC Jr, et al. **Stroke** 1984 Jan-Feb;15(1):76–9
[Valsalva's maneuver in the evaluation of baroreceptor sensitivity in borderline hypertensives: comparative study with other methods] Trimarco B, et al. **Boll Soc Ital Cardiol** 1982;27(3):271–9 **(Ita)**
[Modifications of left ventricular volumetry and function induced by Valsalva's maneuver. Echocardiography study in 11 athletes] Assanelli D, et al. **Minerva Cardioangiol** 1983 Dec;31(12):705–10 (Eng. Abstr.) **(Ita)**
[Stress mobilization of the myocardium] Chebyshev NS, et al. **Grudn Khir** 1984 Jul-Aug;(4):42–5 (Eng. Abstr.) **(Rus)**

VALYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

VAN BOGAERT'S LEUKOENCEPHALITIS see **SUBACUTE SCLEROSING PANENCEPHALITIS**

VANADIUM

Confirmation of residue identity: characterisation of the products of the reaction between vanadium (II) solutions and endrin. Clegg DE, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):588–94
Structure of the vanadate-induced crystals of sarcoplasmic reticulum Ca2+-ATPase. Taylor K, et al. **J Mol Biol** 1984 Mar 25;174(1):193–204

ANALYSIS

Determination of vanadium in workplace air by DCP emission spectrometry. Pyy L, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):609–14
Vanadium and nickel content of Nowruz spill tar flakes on the Saudi Arabian coastline and their probable environmental impact. Sadiq M, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):635–9
Spectrophotometric determination of vanadium in complex materials using N-m-TMBHA and thiocyanate. Baveja AK, et al. **Int J Environ Anal Chem** 1984;17(3-4):299–306
The characterization of vanadate-trapped nucleotide complexes with spin-labelled myosins. Wells C, et al. **J Muscle Res Cell Motil** 1984 Feb;5(1):97–112

BLOOD

Behavior of vanadate and vanadyl ion in canine blood. Harris WR, et al. **J Inorg Biochem** 1984 Feb;20(2):157–69

METABOLISM

Elevated vanadium content of hair and mania. Naylor GJ, et al. **Biol Psychiatry** 1984 May;19(5):759–64
The vanadate complex of the calcium-transport ATPase of the sarcoplasmic reticulum, its formation and dissociation. Medda P, et al. **Eur J Biochem** 1983 Dec 1;137(1-2):7–14
A model study of the incorporation of vanadium in bone. Etcheverry SB, et al. **J Inorg Biochem** 1984 Apr; 20(4):269–74
'Metabolic role of vanadium in human nutrition in health and disease.' Ghatikar K. **Q Med Rev** 1983 Jul;34(3):17–21
Effects of vanadate on intracellular reduction equivalents in mouse liver and the fate of vanadium in plasma, erythrocytes and liver. Bruech M, et al. **Toxicology** 1984 Jun;31(3-4):283–95
A conformational transition of the sarcoplasmic reticulum calcium transport ATPase induced by vanadate. Hasselbach W, et al. **Z Naturforsch [C]** 1983 Nov-Dec; 38(11-12):1015–22
[Distribution of vanadium in rat tissues after subacute and chronic sodium metavanadate poisoning] Witkowska D, et al. **Przegl Lek** 1983;40(9):701–4 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Vanadate inhibition of Na+K+. ATPase and K+-dependent p-nitrophenylphosphatase: a kinetic analysis. Blázovics A, et al. **Acta Biochim Biophys Acad Sci Hung** 1983;18(3-4):199–209
Critical role of extracellular calcium in vanadate-induced renal vasoconstriction. Benabe JE, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):F317–22
Inhibition of vasopressin action by vanadate in the cortical collecting tubule. Edwards RM, et al. **Am J Physiol** 1983 Dec;245(6):F772–7
Mechanisms of action of vanadium. Nechay BR. **Annu Rev Pharmacol Toxicol** 1984;24:501–24 (236 ref.)
Purification and characterization of a vanadate-sensitive nucleotide tri- and diphosphatase with acid pH optimum from rat bone. Andersson G, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):431–8
Detergent-induced distinctions between fluoride- and vanadate-stimulated adenylate cyclases and their responses to guanine nucleotides. Combest WL, et al. **Arch Biochem Biophys** 1983 Sep;225(2):916–27
Vanadate and molybdate stimulate the oxidation of NADH by superoxide radical. Darr D, et al. **Arch Biochem Biophys** 1984 Aug 1;232(2):562–5
Vanadate affects glucose metabolism of human erythrocytes. Ninfali P, et al. **Arch Biochem Biophys** 1983 Oct 15; 226(2):441–7
Action of ammonium meta vanadate on hepatic enzymes in vitro. Beyhl FE. **Arch Toxicol [Suppl]** 1983;6:250–3
Vanadate stimulates Na+/H+ exchange activity in A431 cells. Cassel D, et al. **Biochem Biophys Res Commun** 1984 Jan 30;118(2):675–81
Vanadate and dicyclohexylcarbodiimide insensitive proton extrusion from oxygen pulsed cells of the cyanobacterium Anacystis nidulans. Nitschmann WH, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):358–64
Bleomycin stimulates both membrane (Na+-K+) ATPase and electrogenic (Na+-K+) pump and partially removes the inhibition by vanadium ions. Vyskočil F, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):783–90
A kinetic study of the interaction of vanadate with the Ca2+ + Mg2+-dependent ATPase from sarcoplasmic reticulum. Ortiz A, et al. **Biochem J** 1984 Jul 1; 221(1):213–22
Vanadate and its significance in biochemistry and pharmacology. Erdmann E, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):945–50
Vanadyl (VO2+) and vanadate (VO-3) ions inhibit the brain microsomal Na,K-ATPase with similar affinities. Protection by transferrin and noradrenaline. Svoboda P, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2485–91
Vanadyl (VO2+) induced lipoperoxidation in the brain microsomal fraction is not related to VO2+ inhibition of Na,K-ATPase. Svoboda P, et al. **Biochem Pharmacol** 1984 Aug 1;33(15):2493–7
Vanadate binding to the gastric H,K-ATPase and inhibition of the enzyme's catalytic and transport activities. Faller LD, et al. **Biochemistry** 1983 Sep 27;22(20):4676–85
Structure of the divalent metal ion activator binding site of S-adenosylmethionine synthetase studied by vanadyl(IV) electron paramagnetic resonance. Markham GD. **Biochemistry** 1984 Jan 31;23(3):470–8
Effect of oxyanions of the early transition metals on rabbit skeletal muscle phosphorylase. Soman G, et al. **Biochemistry** 1983 Oct 11;22(21):4994–5000
The mechanism of vanadium action on selective K+-permeability in human erythrocytes. Fuhrmann GF, et al. **Biochim Biophys Acta** 1984 Jan 11;769(1):130–40
Mechanism of vanadate-induced contraction of airways smooth muscle of the guinea-pig. Nayler RA, et al. **Br J Pharmacol** 1983 Sep;80(1):163–72
Dietary vanadyl(IV) sulfate inhibits chemically-induced mammary carcinogenesis. Thompson HJ, et al. **Carcinogenesis** 1984 Jun;5(6):849–51
Gossypol, ouabain and vanadate on the isolated perfused rat kidney and Na, K-ATPase. Pathak HK, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):52–7
Effect of vanadate and of removal of extracellular Ca2+ and Na+ on tension development and 45Ca efflux in rat and frog myocardium. Gesser H, et al. **Comp Biochem Physiol [C]** 1983;76(1):199–202
Vanadate stimulates tyrosine phosphorylation of two proteins in Raji human lymphoblastoid cell membranes. Earp HS, et al. **FEBS Lett** 1983 Sep 19;161(2):180–4
Effects of vanadate on intracellular Ca2+ redistribution and hexose transport across plasma membrane in cultured mouse fibroblasts. Yamanishi K, et al. **FEBS Lett** 1984 Aug 20;174(1):71–5
The effects of sodium orthovanadate, noradrenaline and angiotensin II on isolated perfused rat kidney glomerular-tuft diameter. Corder CN, et al. **Indian J Physiol Pharmacol** 1983 Jul-Sep;27(3):193–9
The effect of vanadate on aqueous humor dynamics in cynomolgus monkeys. Podos SM, et al. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3):359–61
The stimulation of pp60v-src kinase activity by vanadate in intact cells accompanies a new phosphorylation state of the enzyme. Brown DJ, et al. **J Biol Chem** 1984 Aug 10; 259(15):9580–6
The regulation of ATPase-ATPase interactions in sarcoplasmic reticulum membrane. II. The influence of membrane potential. Dux L, et al. **J Biol Chem** 1983 Oct 10;258(19):11903–7
Inhibition of (Na,K)-ATPase by tetravalent vanadium. North P, et al. **J Biol Chem** 1984 Apr 25;259(8):4971–8
Effect of vanadate, a potent alkaline phosphatase inhibitor, on 45Ca and 32Pi uptake by matrix vesicle-enriched fractions from chicken epiphyseal cartilage. Register TC, et al. **J Biol Chem** 1984 Mar 25;259(6):3511–8
Presteady state kinetic analysis of vanadate-induced inhibition of the dynein ATPase. Shimizu T, et al. **J Biol Chem** 1983 Nov 25;258(22):13833–40
A novel mechanism for the insulin-like effect of vanadate on glycogen synthase in rat adipocytes. Tamura S, et al. **J Biol Chem** 1984 May 25;259(10):6650–8
Vanadate inhibits the ATP-dependent degradation of proteins in reticulocytes without affecting ubiquitin conjugation. Tanaka K, et al. **J Biol Chem** 1984 Mar 10; 259(5):2803–9
Induction of cell arrest at G1/S and in G2 after treatment of Ehrlich ascites tumor cells with metallocene dichlorides and cis-platinum in vitro. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1983;106(1):44–52
Vanadium stimulates the (Na+,K+) pump in friend erythroleukemia cells and blocks erythropoiesis. English LH, et al. **J Cell Biol** 1983 Oct;97(4):1299–302
Chemical excitation of Limulus photoreceptors. II. Vanadate, GTP-gamma-S, and fluoride prolong excitation evoked by dim flashes of light. Corson DW, et al. **J Gen Physiol** 1983 Nov;82(5):659–77
Effect of Na3VO4 and membrane potential on the structure of sarcoplasmic reticulum membrane. Beeler TJ, et al.

J Membr Biol 1984;78(1):73–9

Different effects of vanadium ions on some DNA-metabolizing enzymes. Sabbioni E, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):737–48

Influence of DIDS on the dual actions of vanadate on high K-induced contraction in the guinea-pig taenia coli. Ueda F, et al. **Jpn J Pharmacol** 1983 Aug;33(4):894–6

Inhibition by orthovanadate of ATP-dependent Ca2+ transport in microsomes isolated from rat liver. Epping RJ, et al. **Membr Biochem** 1984;5(3):167–80

Enhancement of Newcastle disease virus-induced fusion of mouse L cells by sodium vanadate. Yamamoto F, et al. **Microbiol Immunol** 1984;28(1):75–83

A vanadate-stimulated NADH oxidase in erythrocyte membrane generates hydrogen peroxide. Vijaya S, et al. **Mol Cell Biochem** 1984 Jun;62(2):175–85

Vanadate and brain adenylate cyclase. Effect of spreading depression. Křivánek J. **Neuroscience** 1983 Oct; 10(2):545–52

Initiation of RNA synthesis in vitro by vesicular stomatitis virus: single internal initiation in the presence of aurintricarboxylic acid and vanadyl ribonucleoside complexes. Talib S, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7031–42

Vanadate and ouabain: a comparative study in toad skin. Aboulafia J, et al. **Pflugers Arch** 1984 Jun;401(2):204–8

Vanadate stimulates the pumped movements of Na in skeletal muscle. Erlij D. **Pflugers Arch** 1984 Apr;400(4):413–7

Vanadium ions stimulate DNA synthesis in Swiss mouse 3T3 and 3T6 cells. Smith JB. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6162–6

Cardiovascular and renin responses to vanadate in the conscious dog: attenuation after calcium channel blockade. Sundet WD, et al. **Proc Soc Exp Biol Med** 1984 Feb; 175(2):185–90

Lipid peroxidation and lysosomal enzyme release induced by vanadate in vitro. Younes M, et al. **Res Commun Chem Pathol Pharmacol** 1984 Mar; 43(3):487–95

Interaction of metals and carbon tetrachloride on lipid peroxidation and hepatotoxicity. Harvey MJ, et al. **Toxicol Appl Pharmacol** 1983 Dec;71(3):316–22

Effects of ammonium metavanadate on rat liver enzymes. Beyhl FE, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):81–5

Effects of vanadate on intracellular reduction equivalents in mouse liver and the fate of vanadium in plasma, erythrocytes and liver. Bruech M, et al. **Toxicology** 1984 Jun;31(3–4):283–95

[Effect of metavanadate on papillary water uptake] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1910–6 (Eng. Abstr.) **(Ita)**

[Effect of orthovanadate on whole kidney function and transtubular potential differences in various isolated nephron segments] Sano T. **Nippon Jinzo Gakkai Shi** 1984 Apr;26(4):475–86 (Eng. Abstr.) **(Jpn)**

[Interactions of vanadate with the contractile system of the rabbit psoas muscle in active, relaxed and rigor states] Bukatina AE, et al. **Biofizika** 1984 Mar–Apr;29(2):280–3 (Eng. Abstr.) **(Rus)**

[Effect of vanadate on Ca++-activation in skeletal muscle] Son'kin BIa, et al. **Biofizika** 1983 Sep–Oct;28(5):886–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Minireview: physiological and pharmacological properties of vanadium. Jandhyala BS, et al. **Life Sci** 1983 Oct 3; 33(14):1325–40 (155 ref.)

POISONING

Chelate antidotes for sodium vanadate and vanadyl sulfate intoxication in mice. Jones MM, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):749–56

TOXICITY

The effect of intermediate filament inhibitors on steroidogenesis and cytoskeleton in Y-1 mouse adrenal tumor cells. Lee HS, et al. **Cell Biol Int Rep** 1984 Jun; 8(6):463–82

Cytotoxic effect of vanadium and oil-fired fly ash on hamster tracheal epithelium. Schiff LJ, et al. **Environ Res** 1984 Aug; 34(2):390–402

Cardiac actions of vanadium. Akera T, et al. **Fed Proc** 1983 Oct;42(13):2984–8

Vanadium: chemistry and the kidney. Phillips TD, et al. **Fed Proc** 1983 Oct;42(13):2969–73

Prooxidant properties of vanadate in vitro on catecholamines and on lipid peroxidation by mouse and rat tissues. Donaldson J, et al. **J Toxicol Environ Health** 1983 Jul; 12(1):119–26

Effect of metavanadate on the uptake and release of noradrenaline in rat brain cerebral cortex slices. Witkowska D, et al. **Toxicol Lett** 1983 Jul;17(3–4):223–31

[Distribution of vanadium in rat tissues after subacute and chronic sodium metavanadate poisoning] Witkowska D, et al. **Przegl Lek** 1983;40(9):701–4 (Eng. Abstr.) **(Pol)**

[Health assessment of continuous and intermittent exposure to vanadium pentoxide] Sokolov SM. **Gig Sanit** 1983 Sep; (9):77–9 **(Rus)**

VANCOMYCIN

Accuracy of the KOH and vancomycin tests in determining the Gram reaction of non-enterobacterial rods. von Graevenitz A, et al. **J Clin Microbiol** 1983 Oct;18(4):983–5

ADMINISTRATION & DOSAGE

Vancomycin dosage in pediatrics reconsidered. Alpert G, et al. **Am J Dis Child** 1984 Jan;138(1):20–2

Staphylococcal CSF infections treated with vancomycin and rifampin. Vichyanond P, et al. **Arch Neurol** 1984 Jun; 41(6):637–9

Proper use of vancomycin [editorial] Barriere SL. **Clin Pharm** 1983 Sep–Oct;2(5):447

Treatment of CSF shunt infections with intrashunt plus oral antibiotic therapy. Frame PT, et al. **J Neurosurg** 1984 Feb; 60(2):354–60

Accumulation of vancomycin after intraventricular infusions. Arroyo JC, et al. **South Med J** 1983 Dec;76(12):1554–5

ADVERSE EFFECTS

Adverse reactions to vancomycin used as prophylaxis for CSF shunt procedures. Odio C, et al. **Am J Dis Child** 1984 Jan;138(1):17–9

Desensitization to vancomycin [letter] Lerner A, et al. **Ann Intern Med** 1984 Jan;100(1):157

Vancomycin-induced hypotension in a child with congenital heart disease. Forestner JE, et al. **Clin Pediatr (Phila)** 1984 Jul;23(7):416

Spasmodic low back pain in a patient receiving intravenous vancomycin during continuous ambulatory peritoneal dialysis. Gatterer G. **Clin Pharm** 1984 Jan–Feb;3(1):87–9

Additive toxicity in patients receiving vancomycin and aminoglycosides [letter] Rybak MJ, et al. **Clin Pharm** 1983 Nov–Dec;2(6):508

Nephrotoxicity associated with vancomycin–aminoglycoside therapy in four children. Odio C, et al. **J Pediatr** 1984 Sep; 105(3):491–3

Profound hypotension from rapid vancomycin administration during cardiac operation. Dajee H, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):145–6

Delayed appearance of vancomycin-induced neutropenia in a patient with chronic renal failure. Farwell AP, et al. **South Med J** 1984 May;77(5):664–5

[Immuno-allergic erythroderma caused by vancomycin (letter)] Rimailho A, et al. **Presse Med** 1984 Mar 3;13(9):567 **(Fre)**

ANALOGS & DERIVATIVES

N-demethylvancomycin, a novel antibiotic produced by a strain of Nocardia orientalis. Taxonomy and fermentation. Boeck LD, et al. **J Antibiot (Tokyo)** 1984 May;37(5):446–53

High performance liquid chromatography (HPLC) of antibiotics of vancomycin type. Comparative studies. Sztaricskai F, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1691–8

BLOOD

Evaluation of an automated fluorescence polarization immunoassay for vancomycin. Filburn BH, et al. **Antimicrob Agents Chemother** 1983 Aug;24(2):216–20

Relationship of vancomycin concentrations and ototoxicity [letter] Lackner TE. **Arch Intern Med** 1984 Feb;144(2):419

Liquid-chromatographic determination of vancomycin evaluated and improved [letter] Bever FN, et al. **Clin Chem** 1984 Sep;30(9):1586–7

Vancomycin serum levels and toxicity in chronic hemodialysis patients with Staphylococcus aureus bacteremia. Masur H, et al. **Clin Nephrol** 1983 Aug; 20(2):85–8

Vancomycin: a rapid HPLC assay for a potent antibiotic. Hoagland RJ, et al. **J Anal Toxicol** 1984 Mar–Apr;8(2):75–7

Comparison of radioimmunoassay and fluorescent polarization immunoassay for quantitative determination of vancomycin concentrations in serum. Ackerman BH, et al. **J Clin Microbiol** 1983 Oct;18(4):994–5

Measurement of levels of aminoglycosides and vancomycin in serum in the presence of new beta-lactam antibiotics. Calderwood SB, et al. **J Clin Microbiol** 1984 May; 19(5):707–9

Comparison of bioassay, high-performance liquid chromatography, and fluorescence polarization immunoassay for quantitative determination of vancomycin in serum. Ristuccia PA, et al. **Ther Drug Monit** 1984; 6(2):238–42

Automated fluorescence polarization immunoassay for monitoring vancomycin. Schwenzer KS, et al. **Ther Drug Monit** 1983;5(3):341–5

CEREBROSPINAL FLUID

[Intracisternal concentrations of vancomycin and amikacin after lumbar injections (letter)] Wolff M, et al. **Presse Med** 1983 Oct 8;12(35):2185 **(Fre)**

ISOLATION & PURIFICATION

High performance liquid chromatography (HPLC) of antibiotics of vancomycin type. Comparative studies. Sztaricskai F, et al. **J Antibiot (Tokyo)** 1983 Dec; 36(12):1691–8

METABOLISM

Absorption of vancomycin [letter] Dudley MN, et al. **Ann Intern Med** 1984 Jul;101(1):144

Systemic absorption of enteral vancomycin in a patient with pseudomembranous colitis. Spitzer PG, et al. **Ann Intern Med** 1984 Apr;100(4):533–4

Pharmacokinetics of vancomycin in patients undergoing continuous ambulatory peritoneal dialysis. Blevins RD, et al. **Antimicrob Agents Chemother** 1984 May;25(5):603–6

Pharmacokinetics of vancomycin in patients with various degrees of renal function. Matzke GR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):433–7

Effect of mannitol infusions into the internal carotid artery on entry of two antibiotics into the cerebrospinal fluid and brains of normal rabbits. Perkins BA, et al. **Antimicrob Agents Chemother** 1983 Sep;24(3):339–42

Concentrations of vancomycin in bone and serum of normal rabbits and those with osteomyelitis. Wilson KJ, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):140–1

Vancomycin kinetics during continuous ambulatory peritoneal dialysis. Bunke CM, et al. **Clin Pharmacol Ther** 1983 Nov;34(5):631–7

Hydrophobic interactions affect hydrogen bond strengths in complexes between peptides and vancomycin or ristocetin. Williamson MP, et al. **Eur J Biochem** 1984 Jan 16; 138(2):345–8

PHARMACODYNAMICS

Population analysis of susceptibility to methicillin, vancomycin, and three cephalosporines in two methicillin-resistant strains of Staphylococcus epidermidis. Hansen BG. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug;91(4):279–84

Infection caused by vancomycin-resistant Streptococcus sanguis II. Shlaes DM, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):527–8

Comparative in vitro activities of teichomycin and vancomycin alone and in combination with rifampin and aminoglycosides against staphylococci and enterococci. Tuazon CU, et al. **Antimicrob Agents Chemother** 1984 Apr; 25(4):411–2

In vitro activity of teicoplanin and vancomycin against anaerobes [letter] Glupczynski Y, et al. **Eur J Clin Microbiol** 1984 Feb;3(1):50–1

Comparative susceptibilities of penicillin-resistant pneumococci to co-trimoxazole, vancomycin, rifampicin and fourteen beta-lactam antibiotics. Liñares J, et al. **J Antimicrob Chemother** 1984 Apr;13(4):353–9

Vancomycin as a selective agent for isolation of Bacteroides species. van Winkelhoff AJ, et al. **J Clin Microbiol** 1983 Nov;18(5):1282–4

THERAPEUTIC USE

Vancomycin in perspective. Banner W Jr, et al. **Am J Dis Child** 1984 Jan;138(1):14–6

Bacteremia caused by a previously unidentified species of rapidly growing Mycobacterium successfully treated with vancomycin. Jadeja L, et al. **Ann Intern Med** 1983 Oct; 99(4):475–7

The influence of prophylactic antibiotics on the warfarin anticoagulation response in the postoperative prosthetic cardiac valve patient. Cefamandole versus vancomycin. Angaran DM, et al. **Ann Surg** 1984 Jan;199(1):107–11

Acute oligoarthritis associated with Clostridium difficile pseudomembranous colitis. Lofgren RP, et al. **Arch Intern Med** 1984 Mar;144(3):617–9

Clinical usefulness of vancomycin. Cunha BA, et al. **Clin Pharm** 1983 Sep–Oct;2(5):417–24 (45 ref.)

Vancomycin: renewed interest in an old drug. Farber BB. **Eur J Clin Microbiol** 1984 Feb;3(1):1–3

Detection of soluble peptidoglycan in urine after penicillin administration. Park H, et al. **Infect Immun** 1984 Jan; 43(1):139–42

Metronidazole or vancomycin for Clostridium difficile associated diarrhoea [letter] Gordon RS. **Lancet** 1983 Dec 17;2(8364):1417

Cost of vancomycin [letter] Remington H, et al. **Lancet** 1983 Nov 26;2(8361):1259

Prospective randomised trial of metronidazole versus vancomycin for Clostridium-difficile-associated diarrhoea and colitis. Teasley DG, et al. **Lancet** 1983 Nov 5; 2(8358):1043–6

Emergence of rifampin-resistant strains of Staphylococcus aureus during combination therapy with vancomycin and rifampin: a report of two cases. Simon GL, et al. **Rev Infect Dis** 1983 Jul–Aug;5 Suppl 3:S507–8

[Use of vancomycin in the treatment of severe Staphylococcus aureus infection. Description of 3 cases] Campelli A, et al. **Minerva Med** 1984 Feb 28;75(8):385–90 (Eng. Abstr.) **(Ita)**

VANILLIC ACID see under **HYDROXYBENZOIC ACIDS**

VANILMANDELIC ACID

ANALYSIS

Sensitive mass fragmentographic determination of acidic catecholamine metabolites in human body fluids. Jacob K, et al. **J Chromatogr** 1984 May 4;290:331–7

BLOOD

Plasma levels of catecholamine metabolites in the newborn period. Gabriel M, et al. **Biol Neonate** 1983;44(4):203–9

Mass fragmentographic determination of homovanillic and 4–hydroxy–3–methoxy mandelic acids in 50 microliter plasma. Hunneman DH. **Clin Chim Acta** 1983 Dec 15; 135(2):169–74

METABOLISM

Vanillic acid, a metabolite of 4–hydroxy–3–methoxyphenylglycol and 4–hydroxy–3–methoxymandelic acid in man. Mårdh G. **J Neurochem** 1984 Aug;43(2):522–5

Norepinephrine metabolism in man using deuterium labelling: origin of 4–hydroxy–3–methoxymandelic acid. Mårdh G, et al. **J Neurochem** 1984 Jan;42(1):43–6

PHARMACODYNAMICS

Enhanced rectal absorption of cefmetazole and cefoxitin in the presence of epinephrine metabolites in rats and a high–performance liquid chromatographic assay for cephamycin antibiotics. Nishihata T, et al. **J Pharm Sci** 1984 Jan;73(1):109–12

URINE

Excretion of adrenaline, noradrenaline, vanilmandelic acid and metanephrines in 64 patients with pheochromocytoma. Results of repeated analyses in patients with sustained and paroxysmal hypertension. Stenström G, et al. **Acta Med Scand** 1983;214(2):145–52

Neuroblastoma. Mass screening for early detection and its prognosis. Sawada T, et al. **Cancer** 1984 Jun 15; 53(12):2731–5

Marked increase in 24–h urine vanillylmandelic acid in a patient after coronary by–pass surgery: need for cautious interpretation [letter] Nanji AA, et al. **Intensive Care Med** 1983;9(5):302

A comparative study of five different methods for the determination of 3–methoxy–4–hydroxymandelic acid in urine. Thomasson CG, et al. **J Clin Chem Clin Biochem** 1983 Jul;21(7):417–27

Assay of urinary vanilmandelic, homovanillic, and 5–hydroxyindole acetic acids by liquid chromatography with electrochemical detection. Frattini P, et al. **J Pharmacol Methods** 1983 Nov;10(3):193–8

[Catecholamine excretion (vanilmandelic acid, VMS, and homovanillic acid, HVS) in urine of healthy children] Metz O, et al. **Kinderarztl Prax** 1983 Aug;51(8):387–9 (Eng. Abstr.) **(Ger)**

[A simple method for thin–layer chromatographic semi–quantitation of urinary vanillylmandelic acid with a Spotfilm layer] Kawakami K, et al. **Rinsho Byori** 1984 Apr; 32(4):425–8 **(Jpn)**

[Excretion of catecholamines, their precursor DOPA and vanilmandelic acid in patients with peptic ulcer] Kravchenko TV, et al. **Vrach Delo** 1983 Aug;(8):85–7 (Eng. Abstr.) **(Rus)**

VAPORIZATION see **VOLATILIZATION**

VARIABLE REGION, IG see **IMMUNOGLOBULIN VARIABLE REGION**

VARIANT ANGINA PECTORIS see **ANGINA PECTORIS, VARIANT**

VARIATION (GENETICS)

Detecting sex–associated variation with the families of MZ and DZ twins. Haley CS. **Acta Genet Med Gemellol (Roma)** 1984;33(2):287–301

Intelligence and polygenic inheritance. A dogma to re–examine. Akesson HO. **Acta Paedistr Scand** 1984 Jan; 73(1):13–7

Genetic variability of purine nucleoside phosphorylase in the mouse. Snyder FF, et al. **Adv Exp Med Biol** 1984;165 Pt A:401–3

Hypoxanthine–guanine phosphoribosyltransferase in human lymphoblastoid cells: confirmation of four structural variants and demonstration of a new variant (HPRT Ann Arbor). Wilson JM, et al. **Adv Exp Med Biol** 1984;165 Pt B:33–8

Arylsulfatase A variants in patients with alcoholism. Hulyalkar AR, et al. **Alcoholism (NY)** 1984 May–Jun; 8(3):337–41

HLA and trisomy 21. Confirmation of a trend of restricted HLA heterogeneity in parents of Down syndrome children. Aymé S, et al. **Am J Hum Genet** 1984 Mar;36(2):405–12

Possible heterogeneity in the phosphoglycolate phosphatase (PGP)–haptoglobin alpha (HPA) linkage. Bale SJ, et al. **Am J Hum Genet** 1984 Jul;36(4):808–14

Heritability of quantitative variation at the group–specific component (Gc) locus. Daiger SP, et al. **Am J Hum Genet** 1984 May;36(3):663–76

Errors of inference in the detection of major gene effects on psychological test scores. Eaves LJ. **Am J Hum Genet** 1983 Nov;35(6):1179–89

The search for heterogeneity in insulin–dependent diabetes mellitus (IDDM): linkage studies, two–locus models, and genetic heterogeneity. Hodge SE, et al. **Am J Hum Genet** 1983 Nov;35(6):1139–55

The transmission of schizophrenia under a multifactorial threshold model. McGue M, et al. **Am J Hum Genet** 1983 Nov;35(6):1161–78

A 'disproportion' between the frequency of rare electropmorphs and enzyme deficiency variants in Amerindians. Mohrenweiser HW, et al. **Am J Hum Genet** 1984 May;36(3):655–62

Detection of genetic heterogeneity among pedigrees through complex segregation analysis: an application to hypercholesterolemia. Moll PP, et al. **Am J Hum Genet** 1984 Jan;36(1):197–211

Decreased HLA heterogeneity in parents of children with Down syndrome. Mottironi VD, et al. **Am J Hum Genet** 1983 Nov;35(6):1289–96

Heterogeneity of sickle–cell anemia based on a profile of hematological variables. Odenheimer DJ, et al. **Am J Hum Genet** 1983 Nov;35(6):1224–40

Distribution of genetic variants of transcobalamin II in Nigerian black populations. Porck HJ, et al. **Am J Hum Genet** 1984 May;36(3):710–7

Identification of genetic variants in erythrocyte lysate by two–dimensional gel electrophoresis. Rosenblum BB, et al. **Am J Hum Genet** 1984 May;36(3):601–12

Gene dosage effects in trisomy: comment on a recent article by B. L. Shapiro [letter] **Am J Med Genet** 1983 Dec 16(4):635–9

Diagnosis and penetrance of dystopia canthorum in Waardenburg syndrome type I (WS1) [letter] Arias S. **Am J Med Genet** 1984 Apr;17(4):863–7

Phenotypic heterogeneity in neural tube defects: a clue to causal heterogeneity. Martin RA, et al. **Am J Med Genet** 1983 Dec;16(4):519–25

Ring chromosome 6: variability in phenotypic expression. Peeden JN, et al. **Am J Med Genet** 1983 Dec;16(4):563–73

The fragile X syndrome I: familial variation in the proportion of lymphocytes with the fragile site in males. Soudek D, et al. **Am J Med Genet** 1984 Jan;17(1):241–52

The measurement of form and variation in form: an application of three–dimensional quantitative morphology by finite–element methods. Cheverud J, et al. **Am J Phys Anthropol** 1983 Oct;62(2):151–65

Genetic differentiation in Dogrib Indians: serum protein and erythrocyte enzyme variation. Szathmary EJ, et al. **Am J Phys Anthropol** 1983 Nov;62(3):249–54

Genetic variation, chronic stress, and the central and peripheral noradrenergic systems. Blizard DA, et al. **Am J Physiol** 1983 Oct;245(4):R600–5

Genetic variation for West Nile virus susceptibility in Culex tritaeniorhynchus. Hayes CG, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):715–24

Genetic heterogeneity among Caribbean populations of Aedes aegypti. Wallis GP, et al. **Am J Trop Med Hyg** 1984 May;33(3):492–8

Chemical and behavioral control of breathing in adult twins. Kawakami Y, et al. **Am Rev Respir Dis** 1984 May; 129(5):703–7

Genetic variation in the histoarchitecture of the hippocampal region of mice. Fredens K. **Anat Embryol (Berl)** 1981; 161(3):265–81

Genetic composition of Jewish populations: diversity and inbreeding. Kobyliansky E, et al. **Ann Hum Biol** 1983 Sep–Oct;10(5):453–63

Clinical and genetic variations in the syndrome of adult GM2 gangliosidosis resulting from hexosaminidase A deficiency. Argov Z, et al. **Ann Neurol** 1984 Jul;16(1):14–20

Protein variants in human cells: enumeration by protein indexing. Anderson NL, et al. **Ann NY Acad Sci** 1984; 428:134–43

Genetic polypeptide variation by two–dimensional electrophoresis. Goldman D, et al. **Ann NY Acad Sci** 1984; 428:186–200 (65 ref.)

Human red cell carbonic anhydrase variants in Australasia. Jones GL, et al. **Ann NY Acad Sci** 1984;429:249–61

Genetic heterogeneity of alpha–1–antitrypsin in the Galician population. Caeiro B. **Anthropol Anz** 1983 Dec;41(4):293–9

Thymosin beta arg10, a major variant of thymosin beta 10 in rabbit tissues. Ruggieri S, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):388–92

An analysis of the Carabelli trait in the mixed deciduous and permanent human dentition. Kieser JA. **Arch Oral Biol** 1984;29(6):403–6

Analysis of small and large plaque variants of equine herpesvirus type 3 by restriction endonucleases. Brief report. Kamada M, et al. **Arch Virol** 1983;77(2–4):259–64

Radioimmunoassay for detecting abnormal prealbumin in the serum for diagnosis of familial amyloidotic polyneuropathy (Japanese type). Nakazato M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):719–25

Identification of a prealbumin variant in the serum of a Japanese patient with familial amyloidotic polyneuropathy. Nakazato M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):712–8

Identification of amyloid prealbumin variant in familial amyloidotic polyneuropathy (Japanese type). Tawara S, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):880–8

3T3 variants unable to bind epidermal growth factor cannot complement in co–culture. Terwilliger E, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):60–4

Esterase isozymes of Apis mellifera: substrate and inhibition characteristics, developmental ontogeny, and electrophoretic variability. Bitondi MM, et al. **Biochem Genet** 1983 Oct;21(9–10):985–1002

Biochemical diversity and evolution in the genus Mus. Bonhomme F, et al. **Biochem Genet** 1984 Apr; 22(3–4):275–303 (50 ref.)

Incidence of inherited enzyme activity variants in feral mouse populations. Bulfield G, et al. **Biochem Genet** 1984 Feb; 22(1–2):133–8

Variation in the biochemical properties of the Drosophila alcohol dehydrogenase allozymes. Chambers GK, et al. **Biochem Genet** 1984 Feb;22(1–2):153–68

Naturally occurring genetic variation affecting the expression of sn–glycerol–3–phosphate dehydrogenase in Drosophila melanogaster. Laurie–Ahlberg CC, et al. **Biochem Genet** 1983 Oct;21(9–10):943–61

X–linked, polymorphic genetic variation of thyroxin–binding globulin (TBG) in baboons and screening of additional primates. Lockwood DH, et al. **Biochem Genet** 1984 Feb; 22(1–2):81–8

Genetically controlled quantitative variation of ornithine transcarbamylase in the chick kidney. Tsuji S, et al. **Biochem Genet** 1983 Oct;21(9–10):857–69

Genetic variation in cytochrome P–450 and xenobiotic metabolism in Drosophila melanogaster. Hällström I, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):13–20

Photoaffinity labeling and partial proteolysis of wild–type and variant glucocorticoid receptors. Gehring U, et al. **Biochemistry** 1983 Aug 16;22(17):4013–8

Purification and characterization of the rat liver microsomal cytochrome P–450 involved in the 4–hydroxylation of debrisoquine, a prototype for genetic variation in oxidative drug metabolism. Larrey D, et al. **Biochemistry** 1984 Jun 5;23(12):2787–95

Variability and conformation of HLA class I antigens: a predictive approach to the spatial arrangement of polymorphic regions. Vega MA, et al. **Biochemistry** 1984 Feb 28;23(5):823–31

Biochemical and immunological characterization of a histone variant associated with spermatogenesis in the mouse. Bhatnagar YM, et al. **Biochim Biophys Acta** 1983 Oct 4; 760(1):25–33

Organization of Xenopus histone gene variants within clusters and their transcriptional expression. Destrée OH, et al. **Biochim Biophys Acta** 1984 Jun 16;782(2):132–41

Physico–chemical properties and evidence for electrophoretic variants of rat transcortin. Favre G, et al. **Biochimie** 1984 May;66(5):361–9

Structural variants of human glucose 6–phosphate dehydrogenase (G6PD): role of intracellular decay in the expression of deficiency. De Flora A, et al. **Biomed Biochim Acta** 1983;42(11–12):S247–52

Serologic and biochemical studies of a previously unclassified blood type B variant. Wheeler DA, et al. **Blood** 1984 Mar; 63(3):711–3

Erythrocyte pyruvate kinase deficiency: characterization of a new variant (PK 'Aarau'). Lakomek M, et al. **Blut** 1984 Mar;48(3):123–9

Heterogeneity of protein phosphorylation in metastatic variants of B16 melanoma. Greig RG, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):6057–65

Biochemical and ultrastructural characterization of human cell variants resistant to the antiproliferative effects of methylglyoxal bis(guanylhydrazone). Kramer DL, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5943–50

Isolation and uptake characteristics of human cell variants resistant to the antiproliferative effects of methylglyoxal bis(guanylhydrazone). Wiseman A, et al. **Cancer Res** 1983 Dec;43(12 Pt 1):5937–42

DNA structural variations in the E. coli tyrT promoter. Drew HR, et al. **Cell** 1984 Jun;37(2):491–502

Membrane skeletal protein 4.1 of avian erythrocytes is composed of multiple variants that exhibit tissue–specific expression. Granger BL, et al. **Cell** 1984 Jun;37(2):595–607

A novel alteration in the structure of an activated c–myc gene in a variant t(2;8) Burkitt lymphoma. Taub R, et al. **Cell** 1984 Jun;37(2):511–20

A variant form of beta–actin in a mutant of KB cells resistant to cytochalasin B. Toyama S, et al. **Cell** 1984 Jun; 37(2):609–14

Biochemical characterisation of genetically variant and abnormal blood coagulation factor XIII A subunits. Castle SL, et al. **Clin Chim Acta** 1983 Sep 30;133(2):141–51

Variant gamma–glutamyltransferases in colorectal carcinomas. Huseby NE, et al. **Clin Chim Acta** 1983 Dec 30;135(3):301–7

Preaxial polydactyly type 4: variability in a large kindred. Reynolds JF, et al. **Clin Genet** 1984 Mar;25(3):267–72

Duplicate loci for supernatant and mitochondrial malic enzymes in vendace, Coregonus albula (L.). Vuorinen J. **Comp Biochem Physiol [B]** 1984;78(1):63–6

Biochemical genetic relationship in three taxa of the malaria mosquito Anopheles balabacensis complex. Yong HS, et al. **Comp Biochem Physiol [B]** 1983;76(3):611–3

Heterochromatin variation and sex chromosome polymorphism in Nesokia indica: a population study. Rao SR, et al. **Cytogenet Cell Genet** 1983;35(4):233–7

Sex–chromosome variability in Zygodontomys lasiurus (Rodentia, Cricetidae). Kasahara S, et al. **Cytologia (Tokyo)** 1983 Sep;48(3):569–76

Type 1 (insulin–dependent) diabetes and genetic heterogeneity [letter] Barbosa J, et al. **Diabetologia** 1984 Feb;26(2):170

Sex and strain differences of mouse variant salivary proteins.

Ikemoto S, et al. **Differentiation** 1984;26(1):55–8
Genetic effects on various measures of ethanol dependence in mice: a diallel analysis. Allen DL, et al. **Drug Alcohol Depend** 1984 Mar;13(2):125–32
Immunoglobulin V region variants in hybridoma cells. I. Isolation of a variant with altered idiotypic and antigen binding specificity. Brüggemann M, et al. **EMBO J** 1982; 1(5):629–34
Immunoglobulin V region variants in hybridoma cells. II. Recombination between V genes. Dildrop R, et al. **EMBO J** 1982;1(5):635–40
Mutant din–21, a variant of polyoma virus containing a mouse DNA sequence in the viral genome. Ding D, et al. **EMBO J** 1982;1(4):461–6
Spontaneous phase variation in Bordetella pertussis is a multistep non–random process. Goldman S, et al. **EMBO J** 1984 Jun;3(6):1353–6
Thyroid hormones and the reactivities of genetic variants of human erythrocytic glucose–6–phosphate dehydrogenase. Dada OA, et al. **Enzyme** 1983;30(4):217–22
Inhibition of development of characteristic indices of myeloid differentiation by a factor released from a tetraploid variant of the human promyelocytic cell line, HL–60. Mendelsohn N, et al. **Exp Cell Res** 1983 Oct 15;148(2):514–9
Glucose phosphate isomerase heterophenotypes in the human filarial parasite Brugia malayi from peninsular Malaysia. Yong HS, et al. **Experientia** 1984 Aug 15;40(8):833–4
Atypical human liver alcohol dehydrogenase: the beta 2–Bern subunit has an amino acid exchange that is identical to the one in the beta 2–Oriental chain. Bühler R, et al. **FEBS Lett** 1984 Aug 6;173(2):360–6
Hemoglobin Kariya [alpha 40 (C5) Lys leads to Glu]: a new hemoglobin variant with an increased oxygen affinity. Harano T, et al. **FEBS Lett** 1983 Mar 21;153(2):332–4
Primary sequence differences between Chido and Rodgers variants of tryptic C4d of the human complement system. Hellman U, et al. **FEBS Lett** 1984 May 21;170(2):254–8
Human liver mitochondrial aldehyde dehydrogenase: a C–terminal segment positions and defines the structure corresponding to the one reported to differ in the Oriental enzyme variant. Hempel J, et al. **FEBS Lett** 1984 Aug 6; 173(2):367–73
Characterization of human haptoglobin cDNAs coding for alpha 2FS beta and alpha 1S beta variants. van der Straten A, et al. **FEBS Lett** 1984 Mar 12;168(1):103–7
Genetic variation affecting the expression of catalase in Drosophila melanogaster: correlations with rates of enzyme synthesis and degradation. Bewley GC, et al. **Genetics** 1984 Mar;106(3):435–48
Length mutations in human mitochondrial DNA. Cann RL, et al. **Genetics** 1983 Aug;104(4):699–711
Pleiotropic overdominance and the maintenance of genetic variation in polygenic characters. Gillespie JH. **Genetics** 1984 Jun;107(2):321–30
HbA2 Victoria delta 24 (B6) Gly——Asp. A new delta chain variant occurring with beta–thalassemia. Brennan SO, et al. **Hemoglobin** 1984;8(2):163–8
The neutralist–selectionist debate and estimates of allozyme multilocus structure in conservation genetics of the primitive land races of Ethiopian barley. Bekele E. **Hereditas** 1983;99(1):73–88
Calculations on the decrease of genetic variation due to the founder effect. Sirkkomaa S. **Hereditas** 1983;99(1):11–20
Restriction endonuclease map variation and gene activity in the Adh region in a population of Drosophila melanogaster. Birley AJ. **Heredity (Edinburgh)** 1984 Feb;52 (Pt 1):103–12
Novel structure elucidation strategy for genetically abnormal fibrinogens with incomplete fibrinopeptide release as applied to fibrinogen Schwarzach. Henschen A, et al. **Hoppe Seylers Z Physiol Chem** 1983 Dec;364(12):1747–51
The polymorphism of the vitamin D–binding protein (Gc); isoelectric focusing in 3 M urea as additional method for identification of genetic variants. Constans J, et al. **Hum Genet** 1983;65(2):176–80
G6PD Sendagi: a new glucose–6–phosphate dehydrogenase variant associated with congenital hemolytic anemia. Morisaki T, et al. **Hum Genet** 1983;65(2):214–5
A genetic component of the variance of N–acetoxy–2–acetylaminofluorene–induced DNA damage in mononuclear leukocytes determined by a twin study. Pero RW, et al. **Hum Genet** 1983;65(2):181–4
Genetic studies of an apoA–I lipoprotein variant. Schamaun O, et al. **Hum Genet** 1983;64(4):380–3
Genetic variants of serum alpha–1–antitrypsin (Pi types) in a Breton population, the Bigoudens. Youinou P, et al. **Hum Hered** 1984;34(2):114–9
Genetic & morphological variants in Culex quinquefasciatus in Pondicherry. Suguna SG, et al. **Indian J Med Res** 1983 Dec;78:791–3
Intra–individual variation in energy requirement & its implications. Sukhatme PV, et al. **Indian J Med Res** 1983 Dec;78:857–65
Variation in a major surface protein of Lyme disease spirochetes. Barbour AG, et al. **Infect Immun** 1984 Jul; 45(1):94–100
Genetic variation in the ability of several strains of rats to produce interferon in response to polyriboinosinic–polyribocytodilic acid. Davis CT, et al. **Infect Immun** 1984 Feb;43(2):580–3
Two physically and serologically distinct lipopolysaccharide profiles in strains of Bordetella pertussis and their phenotype variants. Peppler MS. **Infect Immun** 1984 Jan; 43(1):224–32
Isolation and characterization of Bordetella pertussis phenotype variants capable of growing on nutrient agar: comparison with phases III and IV. Peppler MS, et al. **Infect Immun** 1984 Jan;43(1):217–23
Specific surface antigens of SmT variants of Mycobacterium avium. Thorel MF, et al. **Infect Immun** 1984 Jan;43(1):438–9
Characterization of a pH–dependent chromophore from nutritionally variant streptococci. van de Rijn I, et al. **Infect Immun** 1984 Jan;43(1):28–31
Monoclonal antibodies distinguish phase variants of Coxiella burnetii. Williams JC, et al. **Infect Immun** 1984 Jan; 43(1):421–8
Antigenic variability of different strains of Aspergillus fumigatus. Wallenbeck I, et al. **Int Arch Allergy Appl Immunol** 1984;73(2):166–72
Variant generation and selection: an in vitro model of tumor progression. Chow DA. **Int J Cancer** 1984 Apr 15; 33(4):541–5
Adaptive changes to training in adipose tissue lipolysis are genotype dependent. Despres JP, et al. **Int J Obes** 1984; 8(1):87–95
Isolation and characterization of a genetic variant of bovine proinsulin. Frank BH, et al. **Int J Pept Protein Res** 1984 May;23(5):506–15
Structural and regulatory variation of phosphoglucomutase in rainbow trout. Allendorf FW, et al. **Isozymes Curr Top Biol Med Res** 1983;9:123–42
Acid alpha–glucosidase: kinetic and immunologic properties of enzyme variants in health and disease. Beratis NG, et al. **Isozymes Curr Top Biol Med Res** 1983;11:25–36
Tissue–specific allelic isozyme patterns and cis–acting developmental regulators. Dickinson WJ. **Isozymes Curr Top Biol Med Res** 1983;9:107–22
Isozyme monitoring of genetic variation in Lycopersicon. Rick CM, et al. **Isozymes Curr Top Biol Med Res** 1983; 11:269–84
Differences in the isozymes involved in alcohol metabolism between caucasians and orientals. Yoshida A. **Isozymes Curr Top Biol Med Res** 1983;8:245–61
47,XXY chromosome pattern and variable phenotypes. Kucheria K, et al. **J Assoc Physicians India** 1983 Jul; 31(7):429–32
Mapping of the pin locus coding for a site–specific recombinase that causes flagellar–phase variation in Escherichia coli K–12. Enomoto M, et al. **J Bacteriol** 1983 Nov;156(2):663–8
Tetrahymena histone H3. Purification and two variant sequences. Hayashi T, et al. **J Biochem (Tokyo)** 1984 Jun; 95(6):1741–9
A carbohydrate structural variant of MM glycoprotein (glycophorin A). Adamany AM, et al. **J Biol Chem** 1983 Oct 10;258(19):11537–45
Human apolipoprotein E mRNA. cDNA cloning and nucleotide sequencing of a new variant. McLean JW, et al. **J Biol Chem** 1984 May 25;259(10):6498–504
Human apolipoprotein A–I polymorphism. Identification of amino acid substitutions in three electrophoretic variants of the Münster–3 type. Menzel HJ, et al. **J Biol Chem** 1984 Mar 10;259(5):3070–6
Kinetics of beta–glucuronidase induction by androgen. Genetic variation in the first order rate constant. Pfister K, et al. **J Biol Chem** 1984 May 10;259(9):5816–20
Abnormal lecithin:cholesterol acyltransferase activation by a human apolipoprotein A–I variant in which a single lysine residue is deleted. Rall SC Jr, et al. **J Biol Chem** 1984 Aug 25;259(16):10063–70
Molecular cloning of adeno–associated virus variant genomes and generation of infectious virus by recombination in mammalian cells. Senapathy P, et al. **J Biol Chem** 1984 Apr 10;259(7):4661–6
Isolation and characterization of TH3, a germ cell–specific variant of histone 3 in rat testis. Trostle–Weige PK, et al. **J Biol Chem** 1984 Jul 25;259(14):8769–76
A study of chromosomal changes associated with amplified dihydrofolate reductase genes in rat hepatoma cells and their dedifferentiated variants. Fougere–Deschatrette C, et al. **J Cell Biol** 1984 Aug;99(2):497–502
Variants deficient in phagocytosis of latex beads isolated from the murine macrophagelike cell line J774. Takasaki S, et al. **J Cell Biol** 1984 Jun;98(6):2198–203
Timing of the appearance of macronuclear–specific histone variant hv1 and gene expression in developing new macronuclei of Tetrahymena thermophila. Wenkert D, et al. **J Cell Biol** 1984 Jun;98(6):2107–17
Chinese hamster ovary cell variants resistant to monensin, an ionophoric antibiotic. I. Isolation and altered endocytosis of ricin. Ono M, et al. **J Cell Physiol** 1984 May;119(2):198–203
Chinese hamster ovary cell variants resistant to monensin, an ionophoric antibiotic. II. Growth requirement for insulin and altered insulin–receptor activity. Sato Y, et al. **J Cell Physiol** 1984 May;119(2):204–10
Creatine kinase variants. Report on the workshop conference of the German Society for Clinical Chemistry held on September 19 to 21, 1982 in Tübingen, FRG. Stein W, et al. **J Clin Chem Clin Biochem** 1983 Dec;21(12):859–76
Hemoglobin Evanston (alpha 14 Trp——Arg). An unstable alpha–chain variant expressed as alpha–thalassemia. Honig GR, et al. **J Clin Invest** 1984 Jun;73(6):1740–9
A novel electrophoretic variant of human apolipoprotein E. Identification and characterization of apolipoprotein E1. Weisgraber KH, et al. **J Clin Invest** 1984 Apr;73(4):1024–33
Association of genetic variants of casein and milk serum proteins with milk, fat, and protein production by dairy cattle. Ng–Kwai–Hang KF, et al. **J Dairy Sci** 1984 Apr; 67(4):835–40
Idiotope regulation by isotype switch variants of two monoclonal antiidiotope antibodies. Müller CE, et al. **J Exp Med** 1984 Mar 1;159(3):758–72
Antigenic variation of HVJ (Sendai virus) HN glycoprotein detectable by monoclonal antibodies during persistent infection. Sato H, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):185–9
Antigenic variation among members of the tick–borne encephalitis complex. Stephenson JR, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):81–9
Changes in genetic variances with increased inbreeding of beef cattle. Russell WC, et al. **J Hered** 1984 Jan–Feb; 75(1):8–10
A tiger mouse and relatives. Variants caused by an activated transposable element? Wallace ME, et al. **J Hered** 1984 Jan–Feb;75(1):2–7
Overproduction of immunoglobulin mRNA by a murine myeloma MOPC 315 variant cell line. Ponte PA, et al. **J Immunol** 1984 Jul;133(1):476–81
Variation in V lambda genes in the genus Mus. Scott CL, et al. **J Immunol** 1984 May;132(5):2638–43
Structural analysis of an HLA–B7 antigen variant detected by cytotoxic T lymphocytes. Taketani S, et al. **J Immunol** 1984 Aug;133(2):816–21
Genetic polymorphism of apolipoprotein E: a variant form of apolipoprotein E2 distinguished by sodium dodecyl sulfate—polyacrylamide gel electrophoresis. Utermann G, et al. **J Lipid Res** 1984 Apr;25(4):378–82
Models of epidemics and endemicity in genetically variable host populations. Longini IM Jr. **J Math Biol** 1983; 17(3):289–304
The Marshall and Stickler syndromes: objective rejection of lumping. Aymé S, et al. **J Med Genet** 1984 Feb;21(1):34–8
Genetic heterogeneity in Duchenne muscular dystrophy [letter] Emery AE. **J Med Genet** 1984 Feb;21(1):76–7
Episomal DNA of a BK virus variant in a human insulinoma. Caputo A, et al. **J Med Virol** 1983;12(1):37–49
Inter–animal variation and its influence on the overall precision of morphometric estimates based on nested sampling designs. Gupta M, et al. **J Microsc** 1983 Aug;131 (Pt 2):147–54
The analysis of hidden electrophoretic variation: interspecific electrophoretic differentiation and amino acid divergence. Fuerst PA, et al. **J Mol Evol** 1983;19(6):449–54
Genetically determined variation in the complement system: relationship to disease. McLean RH, et al. **J Pediatr** 1984 Aug;105(2):179–88 (75 ref.)
Genetic variation in spontaneous ovulation rate and LH receptor induction in mice. Spearow JL, et al. **J Reprod Fertil** 1983 Nov;69(2):529–37
Genetic effects on quantitative variation in serologically detected H–Y antigen. Shapiro M, et al. **J Reprod Immunol** 1984 May;6(3):197–210
Genetic diversity in natural populations of mammalian reoviruses: tryptic peptide analysis of outer capsid polypeptides of murine, bovine, and human type 1 and 3 reovirus strains. Gentsch JR, et al. **J Virol** 1984 Mar; 49(3):641–51
Genetic variation among lentiviruses: homology between visna virus and caprine arthritis–encephalitis virus is confined to the 5' gag–pol region and a small portion of the env gene. Pyper JM, et al. **J Virol** 1984 Sep; 51(3):713–21
Comparison of myeloproliferative sarcoma virus with Moloney murine sarcoma virus variants by nucleotide sequencing and heteroduplex analysis. Stacey A, et al. **J Virol** 1984 Jun;50(3):725–32
Genetic variants found in plasma alpha–amylase and erythrocyte carbonic anhydrase in the musk shrew (Suncus murinus). Iseki R, et al. **Jikken Dobutsu** 1984 Jan;33(1):91–5
Genetic variations in albumin and transferrin as species markers in plasma of Callithricidae. Shimaoka T, et al. **Jikken Dobutsu** 1984 Jan;33(1):105–8
Phenotypic variation of human antithrombin III in normal plasma: detection by isoelectric focusing. Kera Y, et al. **Jinrui Idengaku Zasshi** 1983 Dec;28(4):249–53
An investigation of genetic variation within a series of congenic strains of mice. Lovell DP, et al. **Lab Anim** 1984 Jul;18(3):291–7
Conversion through homologous recombination of the gene encoding Simian virus 40 115,000–molecular–weight super T antigen to a gene encoding a normal–size large T antigen variant. May P, et al. **Mol Cell Biol** 1984 Jun;4(6):1141–51
Variants and mutants. A critical comment to P.B. Selby and S.L. Niemann, Non–breeding–test methods for dominant skeletal mutations shown by ethylnitrosourea to be easily applicable to offspring examined in specific–locus experiments [letter] Ehling UH. **Mutat Res** 1984 Jul; 127(2):189–90
Electrophoretic enzyme variants detected in F1 progeny of males treated by alkylating mutagen. Paschin YuV, et al. **Mutat Res** 1984 Jan;125(1):71–4
Instability of the Trypanosoma brucei rhodesiense metacyclic variable antigen repertoire. Barry JD, et al. **Nature** 1983 Dec 15–21;306(5944):699–701
Contribution of human V kappa II germ–line genes to light–chain diversity. Klobeck HG, et al. **Nature** 1984 May

3-9;309(5963):73-6
The spread of sequence variants in Rattus satellite DNAs. Epstein DA, et al. **Nucleic Acids Res** 1984 Jan 25; 12(2):973-88
Isolation and translation of mRNA coding for the variant surface antigens of Paramecium. Sommerville J. **Nucleic Acids Res** 1983 Nov 11;11(21):7375-85
Serotypic variation of culture-adapted isolates of P. falciparum. Cowen N, et al. **Parasite Immunol** 1984 Mar; 6(2):131-40
Genetic-linked variation in susceptibility of mice to Schistosomiasis mansoni. Fanning MM, et al. **Parasite Immunol** 1984 Mar;6(2):95-103
Genotypic variation in the dopaminergic inhibitory control of striatal and hippocampal cholinergic activity in mice. Durkin TP, et al. **Pharmacol Biochem Behav** 1983 Jul; 19(1):63-70
Aldehyde dehydrogenase isozyme variation and alcoholism in Japan. Harada S, et al. **Pharmacol Biochem Behav** 1983; 18 Suppl 1:151-3
Genetic variation of abdominal fat, body weight, and carcass weight in a female broiler line. Becker WA, et al. **Poult Sci** 1984 Apr;63(4):607-11
Immunological traits in generations 7 to 12 of two lines of Japanese quail selected for high or low antibody response to Newcastle disease virus. Inooka S, et al. **Poult Sci** 1984 Jul;63(7):1298-302
A rare non-heterochromatic 9p+ variant in two amniotic fluid cell cultures. Archidiacono N, et al. **Prenat Diagn** 1984 May-Jun;4(3):231-3
Human liver alcohol dehydrogenase: amino acid substitution in the beta 2 beta 2 Oriental isozyme explains functional properties, establishes an active site structure, and parallels mutational exchanges in the yeast enzyme. Jörnvall H, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3024-8
Hybrid gamma 2b-gamma 2a genes expressed in myeloma variants: evidence for homologous recombination. Tilley SA, et al. **Proc Natl Acad Sci USA** 1983 Nov; 80(22):6967-71
Molecular abnormality of an inactive aldehyde dehydrogenase variant commonly found in Orientals. Yoshida A, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(1):258-61
Replication of diabetogenic and nondiabetogenic variants of encephalomyocarditis (EMC) virus in ICR Swiss mice. Gould CL, et al. **Proc Soc Exp Biol Med** 1984 Apr; 175(4):449-53
Genetic diversity, genome organization, and investigation of the etiology of psychiatric diseases. Cloninger CR, et al. **Psychiatr Dev** 1983 Autumn;1(3):225-46 (73 ref.)
Identification of the human albumin variant 'Gainesville' with proalbumin 'Christchurch'. Fine JM, et al. **Rev Fr Transfus Immunohematol** 1983 Sep;26(4):341-6
Variants inducible for glutamine synthetase in V79-56 cells. Harris M. **Somatic Cell Mol Genet** 1984 May;10(3):275-81
Quantitative characters under assortative mating: gametic model. Gimelfarb A. **Theor Popul Biol** 1984 Jun; 25(3):312-30
Heritable genetic variation via mutation-selection balance: Lerch's zeta meets the abdominal bristle. Turelli M. **Theor Popul Biol** 1984 Apr;25(2):138-93
A study of a Caucasian family with variant von Willebrand's disease in association with vascular telangiectasia and haemoglobinopathy. Hanna W, et al. **Thromb Haemost** 1984 Apr 30;51(2):275-8
Isolation and characterization of a hereditary abnormal antithrombin III 'Antithrombin III Toyama'. Koide T, et al. **Thromb Res** 1983 Jul 15;31(2):319-28
Antithrombin III Toyama: a hereditary abnormal antithrombin III of a patient with recurrent thrombophlebitis. Sakuragawa N, et al. **Thromb Res** 1983 Jul 15;31(2):305-17
Clonal diversity in a single isolate of the malaria parasite Plasmodium falciparum. Thaithong S, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):242-5
Swedish thoughts on Du nomenclature [letter] Broman B. **Transfusion** 1984 Jan-Feb;24(1):85
Du terminology revisited [letter] Moore BP. **Transfusion** 1983 Sep-Oct;23(5):401
The biochemical genetics of the Qa-Tla region. Michaelson J, et al. **Transplant Proc** 1983 Dec;15(4):2033-8
Diversity and polymorphism in the MHC appear to be generated by a copy mechanism. Schulze DH, et al. **Transplant Proc** 1983 Dec;15(4):2009-12
Recognition of H-2Kk variant cells by an antiinfluenza cytotoxic T-cell clone. Wraith DC, et al. **Transplant Proc** 1983 Dec;15(4):2077-9
Genetic variation during persistent reovirus infection: isolation of cold-sensitive and temperature-sensitive mutants from persistently infected L cells. Ahmed R, et al. **Virology** 1983 Nov;131(1):71-8
Antigenic variation in the influenza A virus nonstructural protein, NS1. Brown LE, et al. **Virology** 1983 Oct 15; 130(1):134-43
Physical map of SeMNPV baculovirus DNA: an AcMNPV genomic variant. Brown SE, et al. **Virology** 1984 Jul 15; 136(1):235-40
Biologically active epitopes of bovine leukemia virus glycoprotein gp51: their dependence on protein glycosylation and genetic variability. Bruck C, et al. **Virology** 1984 Jul 15;136(1):20-31
A variant of human cytomegalovirus derived from a persistently infected culture. Furukawa T. **Virology** 1984 Aug;137(1):191-4
Generation of genetic diversity in herpes simplex virus: an antimutator phenotype maps to the DNA polymerase locus. Hall JD, et al. **Virology** 1984 Jan 15;132(1):26-37
Sequence of the neuraminidase gene of influenza virus A/Tokyo/3/67 and previously uncharacterized monoclonal variants. Lentz MR, et al. **Virology** 1984 May; 135(1):257-65
Physical maps of SfMNPV baculovirus DNA and its genomic variants. Maruniak JE, et al. **Virology** 1984 Jul 15; 136(1):221-34
Variant dsRNAs associated with transmission-defective isolates of wound tumor virus represent terminally conserved remnants of genome segments. Nuss DL, et al. **Virology** 1984 Mar;133(2):276-88
A new genetic variant for Chido. Giles CM. **Vox Sang** 1984; 46(3):149-56
A non-motile Salmonella mutant (6, 7:-:-) and two serological variants encountered in Saudi Arabia. Barbour EK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):548-52
[Data collection of form and ridge variations of the human palate] Szilvássy J, et al. **Anthropol Anz** 1983 Dec; 41(4):269-78 (Eng. Abstr.) **(Ger)**
[Fibrinogen Bern II: hereditary fibrinogen variant with amino acid substitution of arginine replaced by histidine in position 16 of the A alpha chain] Rupp C, et al. **Schweiz Med Wochenschr** 1983 Oct 8;113(40):1460-2 (Eng. Abstr.) **(Ger)**
[Regulation of the enzyme activity of para-xylene catabolism in a spontaneous para-xylene-negative variant of Pseudomonas aeruginosa 2x79] Gorlatova NV, et al. **Biol Nauki** 1983;(10):94-9 (Eng. Abstr.) **(Rus)**
[Clonal analysis of the intercellular variability in the functioning of human chromosomal nucleolus organizer regions] Sozanskii OA, et al. **Biull Eksp Biol Med** 1984 May;97(5):592-5 (Eng. Abstr.) **(Rus)**
[Genetic variability of the influenza virus during adaptation to a new host] Shilov AA, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1217-20 **(Rus)**
[Genotypic dispersion and covariance between relatives under linkage disequilibrium] Ageev SV. **Genetika (Moskva)** 1983 Nov;19(11):1903-11 (Eng. Abstr.) **(Rus)**
[Multivariate genetic analysis of the neurodynamic and psychodynamic parameters in human populations] Bulaeva KB, et al. **Genetika (Moskva)** 1983 Aug;19(8):1364-71 (Eng. Abstr.) **(Rus)**
[Variability and hereditability of neurodynamic and psychodynamic parameters in human populations] Dubinin NP, et al. **Genetika (Moskva)** 1983 Aug;19(8):1353-63 (Eng. Abstr.) **(Rus)**
[Intervariant transduction in Bacillus thuringiensis] Pogosbekova MR, et al. **Genetika (Moskva)** 1984 Jan; 20(1):187-9 (Eng. Abstr.) **(Rus)**
[Differential approach to the development of physiologic standards and its significance for preventive cardiology] Oganov RG, et al. **Kardiologiia** 1984 Apr;24(4):52-6 (Eng. Abstr.) **(Rus)**
[Variability of Bacillus thuringiensis under various growth conditions] Blokhina TP, et al. **Mikrobiologiia** 1984 May-Jun;53(3):427-31 (Eng. Abstr.) **(Rus)**
[Viability of the R, S and M variants of Mycobacterium lacticolum under various preservation conditions] Mil'ko ES, et al. **Mikrobiologiia** 1984 Jan-Feb;53(1):113-6 (Eng. Abstr.) **(Rus)**
[Comparative study of the chemical composition and properties of the capsule polysaccharides in M-, S- and R-variants of Mycobacterium lacticolum] Mil'ko ES, et al. **Mikrobiologiia** 1983 May-Jun;52(3):388-91 (Eng. Abstr.) **(Rus)**
[Cell wall composition of Streptomyces roseoflavus var. roseofungini and its Nocardia-like variant] Skoblilova NK, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):597-604 (Eng. Abstr.) **(Rus)**
[Variability of the morphological traits of the female Culicoides toyamaruae Arnaud 1956 (Ceratopogonidae)] Gornostaeva RM. **Parazitologiia** 1984 Jan-Feb;18(1):78-81 (Eng. Abstr.) **(Rus)**
[Population variability of the blood-sucking gnat Sulcicnephia ovtshinnikovi (Simuliidae)] Petrova NA. **Parazitologiia** 1983 Nov-Dec;17(6):470-3 (Eng. Abstr.) **(Rus)**
[Analysis of the polypeptides of epidemic strains and heat-sensitive variants of the influenza virus] Kramskaia TA, et al. **Tr Inst Pastera** 1982;58:42-6 **(Rus)**
[Variability of the influenza A/Hong Kong virus under laboratory conditions as affected by antibodies] Kudriavtseva VK, et al. **Tr Inst Pastera** 1982;58:47-54 **(Rus)**
[New antigenic variants of enteroviruses and their significance in the epidemiology of serous meningitis] Vashukova SS, et al. **Tr Inst Pastera** 1983;61:116-23 (Eng. Abstr.) **(Rus)**
[Assessment of the frequency of rare electrophoretic variants of blood proteins in children with congenital pathology] Afanas'ev KI, et al. **Tsitol Genet** 1984 Mar-Apr; 18(2):129-32 (Eng. Abstr.) **(Rus)**
[Variation in the expressivity of the ocular retardation gene in mice] Osipov VV, et al. **Tsitol Genet** 1983 Jul-Aug; 17(4):39-43 (Eng. Abstr.) **(Rus)**
[Nature of the phenotypic variability of somatic cells in culture: stable and high-frequency phenotypic changes] Glebov OK, et al. **Tsitologiia** 1984 Feb;26(2):150-64 (109 ref.) (Eng. Abstr.) **(Rus)**
[Nature of the phenotypic variability of somatic cells in culture: unstable phenotypic changes] Glebov OK, et al. **Tsitologiia** 1984 Mar;26(3):235-51 (30 ref.) (Eng. Abstr.) **(Rus)**
[Molecular genetic variants of thalassemia] Shipitsyna GI, et al. **Vestn Akad Med Nauk SSSR** 1984;(7):54-8 (Eng. Abstr.) **(Rus)**
[Morphometric evaluation of genotypic variations between laboratory mice and choice of strain for experimental studies] Shmidt EF. **Vestn Akad Med Nauk SSSR** 1983; (9):35-9 (Eng. Abstr.) **(Rus)**
[Genetic analysis of a characteristic of transformed cells—proliferation not dependent on the substrate] Stavrovskaia AA, et al. **Vestn Akad Med Nauk SSSR** 1984; (5):14-20 (Eng. Abstr.) **(Rus)**
[Strain variations among influenza C viruses and indications of the virus in study material] Govorkova EA, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):111-3 **(Rus)**
[Selection of antigenic variants of H1N1 influenza viruses by means of monoclonal antibodies] Iamnikova SS, et al. **Vopr Virusol** 1984 Mar-Apr;29(2):207-10 (Eng. Abstr.) **(Rus)**
[RNA-polymerase activity of pathogenic and nonpathogenic influenza A virus variants] Pravdina NF, et al. **Vopr Virusol** 1984 Mar-Apr;29(2):152-4 (Eng. Abstr.) **(Rus)**
[Isolation of natural cold variants from influenza virus strains similar to A/Bangkok/1/79 (H3N2)] Shenderovich SF, et al. **Vopr Virusol** 1984 Jan-Feb;29(1):19-22 (Eng. Abstr.) **(Rus)**
[Variability of attenuated alphavirus strains in virion aggregate infection] Tsilinskii Ialа, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):601-7 (Eng. Abstr.) **(Rus)**
[Genetic analysis of the resistance to tumor development in an inbred strain of rats] Font MT, et al. **Medicina (B Aires)** 1983;43(5):502-8 (Eng. Abstr.) **(Spa)**
[Segregation anomalies of the ABO blood-group system associated with the Rh system. Interpretation of the SAN effect] Valenzuela CY, et al. **Rev Med Chil** 1984 Mar; 112(3):213-7 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[Fatty acid composition of variant Staphylococcus aureus 209 P resistant to antibiotic AL-87] Smirnov VV, et al. **Antibiotiki** 1984 Mar;29(3):201-5 (Eng. Abstr.) **(Rus)**

VARICELLA see **CHICKENPOX**

VARICELLA-ZOSTER VIRUS

Chickenpox virus. Takahashi M. **Adv Virus Res** 1983; 28:285-356 (270 ref.)
Varicella-zoster virus RNA in human trigeminal ganglia. Hyman RW, et al. **Lancet** 1983 Oct 8;2(8354):814-6

ANALYSIS

Detection of varicella-zoster virus by dot-blot hybridization using a molecularly cloned viral DNA probe. Seidlin M, et al. **J Med Virol** 1984;13(1):53-61
Glycoprotein gp118 of varicella-zoster virus: purification by serial affinity chromatography. Friedrichs WE, et al. **J Virol** 1984 Mar;49(3):992-6
Varicella-zoster virus-specific gp140: a highly immunogenic and disulfide-linked structural glycoprotein. Grose C, et al. **Virology** 1984 Jan 15;132(1):138-46

CLASSIFICATION

Biologic and biophysical markers of a live varicella vaccine strain (Oka): identification of clinical isolates from vaccine recipients. Hayakawa Y, et al. **J Infect Dis** 1984 Jun; 149(6):956-63

DRUG EFFECTS

Synergistic antiviral effects of antiherpes compounds and human leukocyte interferon on varicella-zoster virus in vitro. Baba M, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):515-7
Susceptibility of vaccine strains of varicella-zoster virus to antiviral compounds. Preblud SR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):417-21
Strains of varicella-zoster virus resistant to 1-beta-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil. Sakuma T. **Antimicrob Agents Chemother** 1984 Jun; 25(6):742-6
Isolation of drug resistant mutants of varicella-zoster virus: cross resistance of acyclovir resistant mutants with phosphonoacetic acid and bromodeoxyuridine. Shiraki K, et al. **Biken J** 1983 Mar;26(1):17-23
Susceptibility to acyclovir of Oka-strain varicella vaccine and vaccine-derived viruses isolated from immunocompromised patients [letter] Shiraki K, et al. **J Infect Dis** 1984 Aug;150(2):306-7

ENZYMOLOGY

A mutant strain of varicella-zoster virus deficient in thymidine kinase-inducing activity. Yokota T, et al.

Fukushima J Med Sci 1983 Jul;29(3–4):101–11

GENETICS

DNA sequence of the US component of the varicella–zoster virus genome. Davison AJ. **EMBO J** 1983;2(12):2203–9
Variation in the structure of varicella–zoster virus DNA. Ecker JR, et al. **Intervirology** 1984;21(1):25–37
Varicella–zoster virus–induced transformation of mammalian cells in vitro. Gelb L, et al. **J Invest Dermatol** 1984 Jul; 83(1 Suppl):77s–81s
Physical maps of varicella–zoster virus DNA derived with 11 restriction enzymes. Mishra L, et al. **J Virol** 1984 May; 50(2):615–8
DNA mapping of paired varicella–zoster virus isolates from patients with shingles. Pichini B, et al. **Lancet** 1983 Nov 26;2(8361):1223–5
Varicella–zoster virus DNA in human sensory ganglia. Gilden DH, et al. **Nature** 1983 Dec 1–7;306(5942):478–80
Dose–related effect of acetylsalicylic acid on replication of varicella zoster virus in vitro. Walz–Cicconi MA, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5223–6
Simian varicella virus DNA shares homology with human varicella–zoster virus DNA. Gray WL, et al. **Virology** 1984 Jul 15;136(1):241–6

GROWTH & DEVELOPMENT

Absence of IgG Fc receptors on varicella–zoster virus–infected cells. Ishak R, et al. **J Med Virol** 1984; 13(3):261–7
Incomplete growth of varicella–zoster virus in human monocytes. Baba M, et al. **Microbiol Immunol** 1983; 27(9):767–77
[Effect of phytohemagglutinin on the plating efficiency of varicella–zoster virus in nonlymphoid cell] Shimizu A. **Uirusu** 1984 Jun;34(1):45–8 **(Jpn)**

IMMUNOLOGY

The diagnostic value of varicella–zoster virus (VZV)–specific antibodies in the early phase of varicella in immunocompromized children. Nyerges G, et al. **Acta Microbiol Hung** 1983;30(3–4):211–5
Varicella vaccine trials in healthy children. A summary of comparative and follow–up studies. Arbeter AM, et al. **Am J Dis Child** 1984 May;138(5):434–8
Varicella–zoster antibody titers in children with leukemia and lymphoma. Relationship of titer to varicella–zoster infection. Hutter JJ Jr, et al. **Am J Dis Child** 1984 Jan; 138(1):56–9
Susceptibility to varicella virus of certain adults in the southeastern United States. Hyams PJ, et al. **Am J Infect Control** 1984 Feb;12(1):6–9
Skin test with varicella–zoster virus antigen for ophthalmic herpes zoster. Tanaka Y, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):7–10
Multiple sclerosis: subclasses of intrathecally synthesized IgG and measles and varicella zoster virus IgG antibodies. Vartdal F, et al. **Clin Exp Immunol** 1983 Dec;54(3):641–7
Rapid and direct detection of herpes simplex virus and varicella–zoster virus antigens in clinical specimens by staphylococcal reagent and membrane filtration. Dishon T, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):581–7
Detection of varicella–zoster virus–specific IgA antibodies in varicella and zoster patients and in healthy adults of various ages by solid–phase radioimmunoassay. Levy E, et al. **Intervirology** 1983;20(2–3):123–8
Varicella vaccine. Gershon AA. **Isr J Med Sci** 1983 Nov; 19(11):1024–5
Antibody class capture assays for varicella–zoster virus. Forghani B, et al. **J Clin Microbiol** 1984 May;19(5):606–9
Serum immunoglobulin A antibody to varicella–zoster virus in subjects with primary varicella and herpes zoster infections and in immune subjects. Wittek AE, et al. **J Clin Microbiol** 1983 Nov;18(5):1146–9
Enhancement of varicella–zoster–specific immune responses in the elderly by boosting with varicella vaccine. Berger R, et al. **J Infect Dis** 1984 Apr;149(4):647
Clinical reinfection with varicella–zoster virus. Gershon AA, et al. **J Infect Dis** 1984 Feb;149(2):137–42
Enzyme–linked immunosorbent assay for susceptibility to varicella. Shehab Z, et al. **J Infect Dis** 1983 Sep; 148(3):472–6
Biologic and immunologic characterization of the soluble skin–test antigen of varicella–zoster virus. Shiraki K, et al. **J Infect Dis** 1984 Apr;149(4):501–4
Immunologic evidence of reinfection with varicella–zoster virus [letter] Talbot GH, et al. **J Infect Dis** 1984 Jun; 149(6):1035–6
Molecular dissection of the humoral immune response to individual varicella–zoster viral proteins during chickenpox, quiescence, reinfection, and reactivation. Weigle KA, et al. **J Infect Dis** 1984 May;149(5):741–9
Common expression of varicella–zoster viral glycoprotein antigens in vitro and in chickenpox and zoster vesicles. Weigle KA, et al. **J Infect Dis** 1983 Oct;148(4):630–8
Detection of varicella–zoster viral antigens in clinical specimens by solid–phase enzyme immunoassay. Ziegler T. **J Infect Dis** 1984 Jul;150(1):149–54
Specific IgG and IgA antibodies to herpes simplex virus and varicella zoster virus in acute peripheral facial palsy patients. Hadar T, et al. **J Med Virol** 1983;12(4):237–45
Class–specific antibody responses to early and late antigens of varicella and herpes simplex viruses. Schmidt NJ, et al. **J Med Virol** 1984;13(1):1–12
Antibody assays for varicella–zoster virus: comparison of competitive enzyme–linked immunosorbent assay (ELISA), competitive radioimmunoassay (RIA), complement fixation, and indirect immunofluorescence assays. Wreghitt TG, et al. **J Med Virol** 1984;13(4):361–70
Comparison of varicella zoster antibody titers in patients given intravenous immune serum globulin or varicella zoster immune globulin. Paryani SG, et al. **J Pediatr** 1984 Aug;105(2):200–5
Human polymorphonuclear leukocyte–mediated cytotoxicity against varicella–zoster virus–infected fibroblasts. Ihara T, et al. **J Virol** 1984 Jul;51(1):110–6
Improving the varicella–zoster virus: IgG radioimmunoassay procedure by the use of purified antigen. Clarke JR, et al. **J Virol Methods** 1984 Feb;8(1–2):1–8
Enzyme immunoassay for antibodies to membrane associated antigen of varicella zoster virus. Cox JC, et al. **J Virol Methods** 1984 Feb;8(1–2):137–45
Live attenuated varicella vaccine. Efficacy for children with leukemia in remission. Gershon AA, et al. **JAMA** 1984 Jul 20;252(3):355–62
Test results encouraging for potential varicella vaccine [news] Marwick C. **JAMA** 1983 Oct 28;250(16):2095–6
Production of specific antibodies by CSF lymphocytes in patients with herpes zoster [letter] Forsberg P, et al. **Lancet** 1984 Feb 18;1(8373):404–5
Varicella vaccine: decisions a little nearer [editorial] McIntosh K. **N Engl J Med** 1984 May 31;310(22):1456–7
Live attenuated varicella virus vaccine. Efficacy trial in healthy children. Weibel RE, et al. **N Engl J Med** 1984 May 31;310(22):1409–15
[Antibody movement against BK and herpes viruses and cytomegalovirus in kidney transplants] Sinibaldi L, et al. **Ann Ist Super Sanita** 1982;18(3):389–94 (Eng. Abstr.) **(Ita)**
[Varicella vaccine] Takahashi M. **Uirusu** 1983 Jun;33(1):1–11 (31 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Purification and molecular anatomy of the varicella–zoster virion. Grose C, et al. **Biken J** 1983 Mar;26(1):1–15
Factors influencing quantitative isolation of varicella–zoster virus. Levin MJ, et al. **J Clin Microbiol** 1984 Jun; 19(6):880–3
Serological investigation of an outbreak of simian varicella in Erythrocebus patas monkeys. Schmidt NJ, et al. **J Clin Microbiol** 1983 Oct;18(4):901–4
Isolation of varicella–zoster virus from pharyngeal and nasal swabs in varicella patients. Trlifajová J, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):201–6
Isolation of varicella zoster virus from blood [letter] Grose C. **J Pediatr** 1984 Sep;105(3):504–5
Viremic phase in nonimmunocompromised children with varicella. Ozaki T, et al. **J Pediatr** 1984 Jan;104(1):85–7

METABOLISM

Synthesis and processing of glycoproteins of Varicella–Zoster virus (VZV) as studied with monoclonal antibodies to VZV antigens. Okuno T, et al. **Virology** 1983 Sep;129(2):357–68

PHYSIOLOGY

Varicella and herpes zoster. Changing concepts of the natural history, control, and importance of a not–so–benign virus. Weller TH. **N Engl J Med** 1983 Dec 1;309(22):1362–8 (95 ref.)

VARICOCELE

The varicocele. Cockett AT, et al. **Fertil Steril** 1984 Jan; 41(1):5–11
Re: Varicocele: still an enigma [letter] Gonzalez R. **J Urol** 1983 Dec;130(6):1204
[On varicoceles] Puigvert A, et al. **Actas Urol Esp** 1984 Mar–Apr;8(2):89–92 **(Spa)**

BLOOD

[Hormonal studies in patients with idiopathic varicocele] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1984;23(1):76–82 (Eng. Abstr.) **(Bul)**

COMPLICATIONS

Varicocele infertility: an enigma [editorial] Comhaire FH. **Int J Androl** 1983 Oct;6(5):401–4
Morphology of spermatozoa in infertile men with and without varicocele. Portuondo JA, et al. **J Androl** 1983 Sep–Oct;4(5):312–5
[The effect of varicocele on fertility and the significance of operative therapy within the scope of refertilization] Drawz B, et al. **Z Urol Nephrol** 1984 Apr;77(4):213–21 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Tele–thermography and Eco–Doppler evaluation of subclinical varicocele in infertile men. Ponchietti R, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):283–4
The varicocele [letter] **Fertil Steril** 1984 Jun;41(6):938–9
Clinical study and results of surgical treatment in 146 oligospermic men with varicocele. Basile Fasolo C, et al. **Ital J Surg Sci** 1984;14(1):71–3
Reproductive history and semen analysis in prevasectomy fertile men with and without varicocele. de Castro MP, et al. **J Androl** 1984 Jan–Feb;5(1):17–20
[Apropos of pelvic varices in women (letter)] Langeron P. **Phlebologie** 1983 Oct–Dec;36(4):419–20 **(Fre)**
[Varicocele of the testis in children and adolescents] Kleinteich B, et al. **Padiatr Grenzgeb** 1983;22(5):383–7 (Eng. Abstr.) **(Ger)**
[Diagnosis and evaluation of varicocele by Doppler ultrasonography] Benignetti G, et al. **Clin Ter** 1984 Feb 29;108(4):335–7 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Varicocele and left renal vein compression. Sayfan J, et al. **Fertil Steril** 1984 Mar;41(3):411–7
Experimental varicocoele in the rat – a new experimental model. II. Effect on impregnating ability. Carmignani G, et al. **Urol Res** 1983;11(5):241–3
Left varicocele at puberty. Pozza D, et al. **Urology** 1983 Sep; 22(3):271–4

FAMILIAL & GENETIC

Genetic studies in varicocele infertility: I: pedigree, nuclear sex and seminal nucleic acids. Mahmoud KZ, et al. **Andrologia** 1983 Nov–Dec;15(6):642–7
Genetic studies in varicocele infertility. II: Dermatoglyphic pattern. Salam EA, et al. **Andrologia** 1984 Mar–Apr; 16(2):102–10

IMMUNOLOGY

[Immunological and spermatological studies of patients with idiopathic varicocele and infertility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1983;22(3):220–3 (Eng. Abstr.) **(Bul)**

METABOLISM

Testosterone and dihydrotestosterone seminal plasma levels in varicocele patients. Andó S, et al. **Andrologia** 1983 Jul–Aug;15(4):374–9
Testosterone in peripheral plasma, spermatic vein and in testicular tissue under basal conditions and after HCG–stimulation in patients with varicocele. Pirke KM, et al. **Andrologia** 1983 Nov–Dec;15(6):637–41
Hormone levels in the reproductive system of normospermic men and patients with oligospermia and varicocele. Adamopoulos D, et al. **J Clin Endocrinol Metab** 1984 Sep; 59(3):447–52
Testicular secretion of conjugated and unconjugated steroids in normal adults and in patients with varicocele. Baseline levels and time–course response to hCG administration. Scholler R, et al. **J Steroid Biochem** 1984 Jan;20(1):203–15

OCCURRENCE

Boyhood varicocele: an overlooked disorder. El–Gohary MA. **Ann R Coll Surg Engl** 1984 Jan;66(1):36–8
Frequency of varicocele in black adolescents. Risser WL, et al. **J Adolesc Health Care** 1984 Jan;5(1):28–9

PATHOLOGY

Surgical induction of varicocele in the rabbit. Snydle FE, et al. **J Urol** 1983 Nov;130(5):1005–9
[Morphological and biochemical studies of the ejaculate of patients with idiopathic varicocele and infertility] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1983;22(3):224–8 (Eng. Abstr.) **(Bul)**
[Participation of the albuginea in varicocelic orchiopathy] Páramo PS Jr, et al. **Actas Urol Esp** 1984 Mar–Apr; 8(2):121–8 (Eng. Abstr.) **(Spa)**
[Testicular biopsy in scrotal varicocele] Ibarz Servio L, et al. **Arch Esp Urol** 1983 May–Jun;36(3):192–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Varicocele [editorial] Howards SS. **Fertil Steril** 1984 Mar; 41(3):356–8
The influence of age on Leydig cell function in patients with varicocele. Andò A, et al. **Int J Androl** 1984 Apr; 7(2):104–18
Testicular hormone concentration in men with varicoceles: immediate effects of varicocelectomy. Schinfeld JS, et al. **Int J Fertil** 1983;28(3):177–80
Physiopathologic aspects of Leydig cell function in varicocele patients. Andò S, et al. **J Androl** 1984 May–Jun; 5(3):163–70
Testicular blood flow and fluid dynamics in monkeys with surgically induced varicoceles. Harrison RM, et al. **J Androl** 1983 Jul–Aug;4(4):256–60
Varicocele: reversal of the testicular blood flow and temperature effects by varicocele repair. Green KF, et al. **J Urol** 1984 Jun;131(6):1208–11
Experimental varicocele in the rat—a new experimental model. I. Effect on testicular structure. Carmignani G, et al. **Urol Res** 1983;11(4):195–8
[Comparative hemodynamic evaluations of varicocele by bidirectional ultrasonic Doppler sonography and phlebography of the internal spermatic vein] Gall H, et al. **Andrologia** 1984 Jul–Aug;16(4):310–20 (Eng. Abstr.) **(Ger)**

[Hemodynamic studies on varicocele using bidirectional ultrasound Doppler sonography] Gall H. **Urologe [Ausg A]** 1983 Nov;22(6):436–42 (Eng. Abstr.) **(Ger)**

[Doppler ultrasound in the study of renal–spermatic vein reflux in patients with left varicocele] Farnetti F, et al. **Minerva Urol** 1983 Oct–Dec;35(4):279–84 (Eng. Abstr.) **(Ita)**

[Clinical studies on varicocele. (1). Findings on semen and testis] Takasaki N, et al. **Hinyokika Kiyo** 1983 Apr; 29(4):377–83 (Eng. Abstr.) **(Jpn)**

[Disorders of spermatogenic and androgenic functions in varicocele] Tiktinskiĭ OL, et al. **Urol Nefrol (Mosk)** 1983 Sep–Oct;(5):50–4 (10 ref.) (Eng. Abstr.) **(Rus)**

[Venous reflux in varicoceles] Malatinský E, et al. **Bratisl Lek Listy** 1984 Apr;81(4):456–60 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Percutaneous venography and occlusion in the management of spermatic varicoceles. Morag B, et al. **AJR** 1984 Sep; 143(3):635–40

Preoperative 'dynamic' antegrade phlebography of the spermatic vein: physiological detection of spontaneous reflux in clinical and subclinical varicocele. A study of 142 patients. Luciani L, et al. **Diagn Imag Clin Med** 1984; 53(3):149–57

Valves of the internal spermatic vein: potential for misdiagnosis of varicocele by venography. Nadel SN, et al. **Fertil Steril** 1984 Mar;41(3):479–81

RADIONUCLIDE IMAGING

Testicular arterial perfusion in varicocele: the role of rapid sequence scintigraphy with technetium in varicocele evaluation. Comhaire F, et al. **J Urol** 1983 Nov; 130(5):923–6

[Scrotal angiogammagraphy. Diagnosis of subclinical varicocele] Alvarez E, et al. **Actas Urol Esp** 1984 Mar–Apr; 8(2):129–34 (Eng. Abstr.) **(Spa)**

SURGERY

Pathogenesis of persistent infertility in men after varicocelectomy. Mastrogiacomo I, et al. **Andrologia** 1983; 15 Spec No:573–7

The microsurgical drainage of the varicocele. Fox U, et al. **Fertil Steril** 1984 Mar;41(3):475–8

Factors related to semen improvement and fertility after varicocele operation. Tinga DJ, et al. **Fertil Steril** 1984 Mar;41(3):404–10

Improved fertility after varicocele correction: fact or fiction? Vermeulen A, et al. **Fertil Steril** 1984 Aug;42(2):249–56

Andrologic aspects of varicocele. Papp G, et al. **Int Urol Nephrol** 1983;15(4):389–93

Microsurgical spermaticoepigastric anastomosis for treatment of varicocele. Belgrano E, et al. **Microsurgery** 1984; 5(1):44–9

Update: varicocelectomy—a safe outpatient procedure. Nadelson EJ, et al. **Urology** 1984 Sep;24(3):259–61

[Current surgical treatment of male infertility] Ruskova S, et al. **Khirurgiia (Sofiia)** 1983;36(1):51–7 (Eng. Abstr.) **(Bul)**

[Results of ligature of the upper testicular vein in idiopathic varicocele and subfertility] Lenk S, et al. **Z Urol Nephrol** 1984 Apr;77(4):207–12 (Eng. Abstr.) **(Ger)**

[Surgical therapy of idiopathic varicocele] Canino V, et al. **Minerva Chir** 1984 May 15;39(9):765–7 (Eng. Abstr.) **(Ita)**

[High ligation of the spermatic vein in the surgical therapy of varicocele. Our experience] Infranzi A, et al. **Minerva Chir** 1984 Jan 15–31;39(1–2):19–24 (Eng. Abstr.) **(Ita)**

[Iliac resection of the internal spermatic cord vein for varicocele] Kutsenko NA. **Voen Med Zh** 1983 Jul;(7):67 **(Rus)**

[Modification of Buntz's technic in the surgery of varicocele: results] Jiménez Cruz JF, et al. **Actas Urol Esp** 1983 Sep–Oct;7(5):401–4 (Eng. Abstr.) **(Spa)**

[Varicocele and infertility: surgical indications] Bayo Ochoa A, et al. **Arch Esp Urol** 1983 May–Jun;36(3):200–4 (Eng. Abstr.) **(Spa)**

THERAPY

Long term results of percutaneous sclerotherapy of varicocele. Falappa P, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):316–8

Percutaneous sclerotherapy of varicoceles—an alternative to conventional surgical methods. Porst H, et al. **Br J Urol** 1984 Feb;56(1):73–8

The role of venography and sclerotherapy in the management of varicocele. Belgrano E, et al. **Eur Urol** 1984;10(2):124–9

Treatment of varicoceles with detachable balloon embolization. Adams PE. **Radiol Technol** 1983 Nov–Dec; 55(2):611–4

Varicoceles: a coaxial coil occlusion system. Berkman WA, et al. **Radiology** 1984 Apr;151(1):73–7

[Diagnosis and treatment of varicocele associated with infertility] de Voogt HJ. **Ned Tijdschr Geneeskd** 1984 Feb 25;128(8):362–3 **(Dut)**

[Embolization of the spermatic vein in 42 patients with decreased fertility and a varicocele] Marsman JW, et al. **Ned Tijdschr Geneeskd** 1984 Feb 25;128(8):344–50 (Eng. Abstr.) **(Dut)**

[Radiation load to the gonads in the sclerosing treatment of varicocele] Boeck EG, et al. **ROFO** 1984 Aug; 141(2):220–3 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal sclerotherapy of the spermatic vein in idiopathic varicocele] Schlegl A, et al. **Wien Med Wochenschr** 1984 Jun 15;134(11):257–63 (Eng. Abstr.) **(Ger)**

[Transfemoral endovascular obliteration of the testicular vein in the treatment of varicocele] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1983 Nov–Dec;(6):50–3 (Eng. Abstr.) **(Rus)**

[1st experience with roentgen endovascular therapy of varicocele] Rushanov II, et al. **Vestn Rentgenol Radiol** 1983 Nov–Dec;(6):40–3 (Eng. Abstr.) **(Rus)**

[Embolization: alternative to the surgical treatment of varicocele] Alvarez E, et al. **Actas Urol Esp** 1983 Nov–Dec; 7(6):481–4 (Eng. Abstr.) **(Spa)**

VARICOSE ULCER

DRUG THERAPY

Treatment of venous ulcers using variclene. Allenby CF, et al. **Br J Clin Pract** 1983 Nov–Dec;37(11–12):382–4

[Assessment by transcutaneous PO2 measurement of the treatment of venous ulcers with naftidrofuryl] Kalis B. **J Mal Vasc** 1984;9(2):133–6 (Eng. Abstr.) **(Fre)**

[Sensitizing effect of a 20% benzoyl peroxide preparation used for the treatment of leg ulcer] Bahmer FA, et al. **Derm Beruf Umwelt** 1984;32(1):21–4 (Eng. Abstr.) **(Ger)**

[Results and applicability of nonspecific dry therapy in varicose ulcer with special reference to the incidence of erysipelas] Lohfink HD. **Dermatol Monatsschr** 1984; 170(7):469–74 (Eng. Abstr.) **(Ger)**

[Enzymatic debridement in venous ulcus cruris. Report of a multicenter clinical comparative study with various enzyme preparations] Fischer H, et al. **Fortschr Med** 1984 Mar 15;102(10):281–3 (Eng. Abstr.) **(Ger)**

[Increased occurrence of gentamycin–resistant Staphylococcus aureus strains in ulcus cruris venosum] Müller M. **Z Arztl Fortbild (Jena)** 1983;77(16):685–6 **(Ger)**

[Effect of hyaluronic acid on the reparative process of non–healing ulcers. Comparative study] Passarini B, et al. **G Ital Dermatol Venereol** 1982 May–Jun; 117(3):XXVII–XXX (Eng. Abstr.) **(Ita)**

[Treatment of chronic crural ulcers with Pseudomonilia Ciba] Karaś Z, et al. **Przegl Dermatol** 1984 Jan–Feb;71(1):77–9 (Eng. Abstr.) **(Pol)**

METABOLISM

Venous ulceration, fibrinogen and fibrinolysis. Leach RD. **Ann R Coll Surg Engl** 1984 Jul;66(4):258–63

PHYSIOPATHOLOGY

[Evaluation of reparative processes in wounds] Shaposhnikov IuG, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):11–3 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Evaluation of technetium–99m phosphate imaging for predicting skin ulcer healing. Lawrence PF, et al. **Am J Surg** 1983 Dec;146(6):746–50

SURGERY

New concepts in the management of venous varicosities and stasis ulceration. Raju S. **J Miss State Med Assoc** 1984 Jun;25(6):143–6

[Therapy of chronic intrafascial venous insufficiency] Lehnert W, et al. **Z Arztl Fortbild (Jena)** 1984;78(8):329–30 **(Ger)**

[Skin transplantation in the treatment of varicose ulcers caused by post–thrombotic syndrome] Napierała M, et al. **Pol Tyg Lek** 1983 Nov 7;38(45):1381–3 (Eng. Abstr.) **(Pol)**

[Free stamp–graft autodermoplasty in the treatment of granulating wounds and ulcers] D'iachenko PK, et al. **Vestn Khir** 1984 May;132(5):94–8 (Eng. Abstr.) **(Rus)**

[Use of the helium–neon laser in the treatment of crural varicose ulcers] Usik VS. **Vestn Khir** 1984 Jan;132(1):69–71 (Eng. Abstr.) **(Rus)**

THERAPY

The effective management of venous ulceration. Negus D, et al. **Br J Surg** 1983 Oct;70(10):623–7

The treatment of venous ulcers. Gawkrodger DJ. **Practitioner** 1984 Feb;228(1388):211–6

[Treatment of varicose ulcers] Ouvry P. **Phlebologie** 1983 Oct–Dec;36(4):381–7 **(Fre)**

[Role of collagen in the wound healing process. Clinical experimentation of a dressing of non–homologous sterile collagen] Tosti A, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):289–92 (Eng. Abstr.) **(Ita)**

[Treatment of venous ulcers in our experience] Dominici C, et al. **Minerva Cardioangiol** 1983 Sep;31(9):477–9 (Eng. Abstr.) **(Ita)**

[Current therapeutic problems of crural ulcers] Laudańska H, et al. **Przegl Dermatol** 1982 Sep–Dec;69(5–6):469–73 (41 ref.) **(Pol)**

[Oxygen therapy of leg ulcers] Pietrzykowska–Chorążak A, et al. **Przegl Dermatol** 1983 May–Jun;70(3):297–302 (Eng. Abstr.) **(Pol)**

[Use of SISpur–derm in aseptic and infected wounds] Rideberger E, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):28–9 **(Rus)**

[Cryotherapy in trophic ulcer of the lower extremities] Lipnitskiĭ EM, et al. **Sov Med** 1983;(7):111–3 **(Rus)**

[Use of propolis in the treatment of trophic ulcers] Korsun VF. **Vestn Dermatol Venerol** 1983 Nov;(11):46–8 **(Rus)**

[Treatment of trophic ulcers with embryonic tissue preparation] Glukhen'kiĭ BT, et al. **Vrach Delo** 1984 Jun; (6):93–4 (Eng. Abstr.) **(Rus)**

VARICOSE VEINS

see related
SCLEROSING SOLUTIONS

Varicose veins. Rogers CS. **NC Med J** 1984 Mar;45(3):176

COMPLICATIONS

Bleeding small–bowel varices. Ostrow B, et al. **Can J Surg** 1984 Jan;27(1):88–9

Isolated duodenal varix: an unusual cause of gastrointestinal hemorrhage. Gushurst TP, et al. **South Med J** 1984 Jul; 77(7):915–8

Cerebral venous angioma associated with varix. Handa J, et al. **Surg Neurol** 1984 May;21(5):436–40

[Rupture of varices of the round ligament. Unusual cause of spontaneous hemoperitoneum in the cirrhotic patient (letter)] Legue E, et al. **Presse Med** 1983 Dec 24;12(47):3004 **(Fre)**

[Hernia varicosa] Kneifel H. **Vasa** 1984;13(1):75–8 (Eng. Abstr.) **(Ger)**

[Rehabilitation of patients with trophic ulcers of the leg in the decompensated stage of varicose veins] Golovko NG. **Klin Khir** 1984 Jul;(7):69–70 **(Rus)**

[Diagnosis and surgical correction of lymph flow disorders in varicose disease] Lokhvitskiĭ SV, et al. **Klin Khir** 1984 Jul;(7):32–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnosis of giant varix of the coronary vein by pulsed–Doppler sonography. Huey H, et al. **AJR** 1984 Jul; 143(1):77–8

Vortex vein varix. Hunter JE. **Am J Optom Physiol Opt** 1983 Dec;60(12):995–6

Doppler ultrasound detection of saphenofemoral and saphenopopliteal incompetence and operative venography to ensure precise saphenopopliteal ligation. Hoare MC, et al. **Aust NZ J Surg** 1984 Feb;54(1):49–52

Rectal varices are not piles. McCormack TT, et al. **Br J Surg** 1984 Feb;71(2):163

The demonstration of saphenofemoral incompetence; doppler ultrasound compared with standard clinical tests. McIrvine AJ, et al. **Br J Surg** 1984 Jul;71(7):509–10

Varicose veins of the vocal cords. Donchev C. **Folia Med (Plovdiv)** 1983;25(4):24–5

[Venous heavy legs] Gournay J. **J Mal Vasc** 1984;9 Suppl A:39–42 **(Fre)**

[Examination of varicose veins with a view toward sclerosing treatment] Wallois P. **Phlebologie** 1983 Oct–Dec; 36(4):389–93 **(Fre)**

[Finger varicose veins of the aged] Kutzner H, et al. **Hautarzt** 1984 Feb;35(2):100–3 (Eng. Abstr.) **(Ger)**

[Pretherapeutic diagnosis in the sclerotherapy of varicose veins] Grossmann K, et al. **Z Arztl Fortbild (Jena)** 1984; 78(8):317–20 **(Ger)**

[Differential diagnosis of varicose hemorrhage in pregnancy] Richter R, et al. **Zentralbl Gynakol** 1983;105(14):931–3 (Eng. Abstr.) **(Ger)**

[Initial study of the venous disease patient] Hach W, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1465–70 **(Ger)**

[Liquid–crystal thermography in the diagnosis of varicose veins of the lower extremities] Udod VM, et al. **Klin Khir** 1983 Jul;(7):60–1 (Eng. Abstr.) **(Rus)**

[Ultrasonic transcutaneous flow measurement in the diagnosis of ectasia of the deep veins of the lower extremities] Poluéktov LV, et al. **Sov Med** 1984;(6):93–5 **(Rus)**

[Early diagnosis of diseases of the vessels of the lower extremities by the thermographic technic] Zenovko GI. **Vestn Khir** 1983 Aug;131(8):40–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Transrenal–vein reflux ethanol sclerosis of gastroesophageal varices. Olson E, et al. **AJR** 1984 Sep;143(3):627–8

[Horse chestnut inhibits lysosomal enzyme activity—therapeutic success in varicose veins] **Fortschr Med** 1983 Oct 6;101(37):1684 **(Ger)**

[Modification of venous function after pharmacologic treatment. Plethysmographic study] Pedrini L, et al. **Clin Ter** 1983 Aug 31;106(4):271–7 (Eng. Abstr.) **(Ita)**

[Use of a minor fibrinolytic drug (mesoglycan) in phlebitis] Scondotto G, et al. **Minerva Med** 1984 Jul 14; 75(28–29):1733–8 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

A possible role of lysosomal enzymes in the pathogenesis

of varicosis and the reduction in their serum activity by Venostasin. Kreysel HW, et al. **Vasa** 1983;12(4):377–82

ETIOLOGY

The significance of arteriovenous shunting for the development of varicose veins. Reikerås O, et al. **Acta Chir Scand** 1983;149(5):479–81

Isolated gastric varices due to spontaneous splenic vein thrombosis. Goldberg S, et al. **Am J Gastroenterol** 1984 Apr;79(4):304–7

Small-bowel varices [letter] Salmon PA. **Can J Surg** 1984 Jul;27(4):322

A case of bleeding duodenal varices located in the third portion. Nakayama M, et al. **Gastroenterol Jpn** 1983 Dec; 18(6):599–602

A case of asymptomatic primary biliary cirrhosis with an initial presenting feature of localized gastric varices. Yabu K, et al. **Gastroenterol Jpn** 1983 Aug;18(4):384–90

Colonic varices caused by carcinoid tumor. Granqvist S. **Gastrointest Radiol** 1984;9(3):269–71

Jejeunal variceal hemorrhage: an unusual complication of needle catheter jejeunostomy. Edington H, et al. **JPEN** 1983 Sep–Oct;7(5):489–91

Varix of the vocal cord in the professional voice user. Feder RJ. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):435–6

Adhesion-related variceal hemorrhage. Bunt TJ, et al. **South Med J** 1983 Nov;76(11):1449–51

[Clinical aspects, diagnosis and treatment of varicose veins of the lower limbs associated with extravasal compression of the external iliac vein] Ananikian PP, et al. **Kardiologiia** 1984 Feb;24(2):97–100 (Eng. Abstr.) **(Rus)**

METABOLISM

In vivo injection of dipyridamole stimulates the synthesis of prostacyclin-like substances in human varicose veins. Fahr A, et al. **Biomed Biochim Acta** 1984;43(3):K6–8

OCCURRENCE

[The occurrence of constipation, hemorrhoids and varicose veins in elderly patients and their relation to the roughage content of the diet] Nielsen JA, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):253–6 (Eng. Abstr.) **(Dan)**

[Prevalence, risk factors and complications of peripheral venous diseases in the Munich population] Eberth-Willershausen W, et al. **Hautarzt** 1984 Feb; 35(2):68–77 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Histological aspects of the varicose vein anteriorly sclerosed and stripped at interval] Coget JM, et al. **Phlebologie** 1984 Apr–Jun;37(2):257–61 **(Fre)**

[Phlebology] **Hautarzt** 1983;34 Suppl 6:121–45 **(Ger)**

PHYSIOPATHOLOGY

Measurement of azygos venous blood flow by a continuous thermal dilution technique: an index of blood flow through gastroesophageal collaterals in cirrhosis. Bosch J, et al. **Hepatology** 1984 May–Jun;4(3):424–9

[Multisegmental dynamic plethysmography for noninvasive study of venous function with special reference to exercise hyperemia] Franzeck UK, et al. **Schweiz Med Wochenschr** 1983 Oct 29;113(43):1580–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Contention, the 'aspirin' of phlebology] Lanctôt G. **Union Med Can** 1984 Apr;113(4):335–6 **(Fre)**

RADIOGRAPHY

Computed tomographic recognition of gastric varices. Balthazar EJ, et al. **AJR** 1984 Jun;142(6):1121–5

Demonstration of orbital varix with computed tomography and valsalva maneuver [letter] Shields JA, et al. **Am J Ophthalmol** 1984 Jan;97(1):108–10

Pulmonary varices, benign congenital anomalies simulating perihilar masses of various etiologies. Platzker J, et al. **Clin Cardiol** 1984 May;7(5):295–8

Recurrent varicose veins: a radiological approach to investigation. Starnes HF, et al. **Clin Radiol** 1984 Mar; 35(2):95–9

The importance of the plain film of the abdomen after phlebography of the lower extremities. Callens B, et al. **J Belge Radiol** 1983;66(1):43–5

Inferior epigastric varix masquerading as a pelvic mass. Sawyer EK, et al. **J Urol** 1984 Jun;131(6):1173–4

Varicosity of the left renal ascending lumbar communicant vein: a pitfall in CT diagnosis. Lien HH, et al. **Radiology** 1984 Aug;152(2):484

Idiopathic renal vein varicosities. Presentation of two cases and a brief review of the literature. Nielsen PT, et al. **Scand J Urol Nephrol** 1984;18(1):91–5

Renal varicosities with gross hematuria and negative arteriography. Experience with sclerosing agent in 1 patient. Cohen AJ, et al. **Urology** 1983 Sep;22(3):326–8

[Pharmacophlebography with dihydroergotamine] Horvath W, et al. **Radiologe** 1983 Aug;23(8):375–7 (Eng. Abstr.) **(Ger)**

[Modified phlebography for varicose veins. Report on the effect of bandaging and dihydroergotamine. (2)] Horvath W, et al. **Vasa** 1983;12(3):239–48 (Eng. Abstr.) **(Ger)**

[Pulmonary varices — a case report] Eguchi S, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1503–6 (Eng. Abstr.) **(Jpn)**

[Orbital varix] Tsuboi K, et al. **Rinsho Hoshasen** 1984 Jan; 29(1):111–4 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[RI angiographic evaluation of varicose veins] Oyama K, et al. **Rinsho Hoshasen** 1983 Jun;28(6):711–4 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Physical therapy in venous diseases] Koenitz H, et al. **Z Arztl Fortbild (Jena)** 1984;78(8):311–4 **(Ger)**

SURGERY

Special investigations prior to surgery for varicose veins [editorial] Myers KA. **Aust NZ J Surg** 1983 Oct;53(5):394–6

Bleeding duodenal varices. Spence RA, et al. **Br J Surg** 1984 Aug;71(8):588

New concepts in the management of venous varicosities and stasis ulceration. Raju S. **J Miss State Med Assoc** 1984 Jun;25(6):143–6

Saphenous vein stripping and its complications. Keith LM Jr, et al. **Surg Clin North Am** 1983 Dec;63(6):1303–12 (8 ref.)

[A new design of a phleboextractor for the surgery of varicose veins of the lower extremities] Popov P, et al. **Khirurgiia (Sofiia)** 1983;36(1):79–82 (Eng. Abstr.) **(Bul)**

[Personal experience with operations for varices of the lower extremities using Smetana's method] Hritz I, et al. **Rozhl Chir** 1983 Sep;62(8–9):585–9 (Eng. Abstr.) **(Cze)**

[Role of the argon laser in the treatment of varicose veins of the legs. Apropos of 17 cases] Béranger P. **Phlebologie** 1984 Apr–Jun;37(2):229–34 (Eng. Abstr.) **(Fre)**

[Pigmentation of scars after surgery for varices] Brunner U. **Phlebologie** 1983 Oct–Dec;36(4):345–7 (Eng. Abstr.) **(Fre)**

[Effect of anesthesia on blood coagulation factor XIII] Homann B, et al. **Anaesthesist** 1984 Mar;33(3):145–8 (Eng. Abstr.) **(Ger)**

[Surgical treatment of varicose veins of the lower limbs] Zelikovski A, et al. **Harefuah** 1983 Nov 1;105(9):269–70 (Eng. Abstr.) **(Heb)**

[Pure brief reflux varices: their possible ambulatory treatment. Our first experience] Benignetti G, et al. **Clin Ter** 1984 Apr 15;109(1):67–71 (Eng. Abstr.) **(Ita)**

[Current status of the problem of the postoperative recurrence of varices of the lower extremities. Review of the literature and personal experience] Quiroli A. **Minerva Chir** 1984 Jan 15–31;39(1–2):35–46 (Eng. Abstr.) **(Ita)**

[Surgical experience of ureteral varices] Fujioka T, et al. **Hinyokika Kiyo** 1984 Mar;30(3):321–6 (Eng. Abstr.) **(Jpn)**

[Varicose veins of the spermatic cord in children] Jankowski A, et al. **Pediatr Pol** 1983 Feb;58(2):183–6 (Eng. Abstr.) **(Pol)**

[An operated, recovered case of left internal jugular vein phlebectasia (in a 7-year-old girl)] Giurea I, et al. **Rev Chir [Otorinolaringol]** 1984 Jan–Mar;29(1):49–52 **(Rum)**

[Comparative evaluation of different methods of ligation of varicose veins of the esophagus and stomach in patients with extrahepatic portal hypertension] Eramishantsev AK, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):63–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of varicose veins of the lower extremities in patients with fibromyoma of the uterus] Shevchuk MG, et al. **Klin Khir** 1984 Jul;(7):60–1 (Eng. Abstr.) **(Rus)**

[Medical and economic effectiveness of surgical treatment of varicose dilatation of the veins of the lower extremities with short hospital stay] Anichkov MN, et al. **Sov Med** 1984;(3):77–9 **(Rus)**

[Surgical treatment of varicose veins of the lower extremities with brief hospital stay] Zolotorevskiĭ VIa, et al. **Sov Med** 1984;(2):76–9 (51 ref.) **(Rus)**

[Subcutaneous saphenotomy in varicose veins of the lower limbs] Mariev AI, et al. **Vestn Khir** 1984 May;132(5):51–2 (Eng. Abstr.) **(Rus)**

[Behavior of the venous pressure after total stripping of the saphenous vein] Bartolo M, et al. **Angiologia** 1984 May–Jun; 36(3):121–6 (Eng. Abstr.) **(Spa)**

THERAPY

Follow-up study after sclerotherapy. Westaby D, et al. **Scand J Gastroenterol [Suppl]** 1984;102:71–5

The treatment of leg varicose veins with hypertonic saline—heparin injections. Chou FF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Feb;83(2):206–10

[Peroperative multi-sclerosis using 66% glucose. Treatment of choice and best prevention of pigmentations of venous origin] Le Baleur A, et al. **Phlebologie** 1983 Oct–Dec; 36(4):349–52 (Eng. Abstr.) **(Fre)**

[Product of choice for maintenance sclerosis: 66% glucose solution] Salomon JL, et al. **Phlebologie** 1983 Jul–Sep; 36(3):249–54 (Eng. Abstr.) **(Fre)**

[Treatment of enlarged damage-inducing veins of the foot with special reference to sclerotherapy] Wenner L. **Vasa** 1984;13(2):118–25 (Eng. Abstr.) **(Ger)**

[Intraoperative sclerotherapy instead of stripping. Report on over 2700 interventions] Ermisch H. **Z Arztl Fortbild (Jena)** 1984;78(8):327–8 **(Ger)**

[Complications and side effects of sclerotherapy] Härtel S. **Z Arztl Fortbild (Jena)** 1984;78(8):331–2 **(Ger)**

[Cinematographic studies of sclerosing therapy of varices] Müller JH, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):345–6 **(Ger)**

[Sclerosing of varices] Petter O, et al. **Z Arztl Fortbild (Jena)** 1984;78(9):337–9 **(Ger)**

[Sclerotherapy] Petter O, et al. **Z Arztl Fortbild (Jena)** 1984; 78(8):321–5 **(Ger)**

[Embolization of dilated varicose veins of the stomach and esophagus in portal hypertension in children] Akopian VG, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):115–20 **(Rus)**

[Choice of treatment of primary varicose veins of the lower extremities] Askerkhanov RP. **Vestn Khir** 1984 Jun; 132(6):40–4 (Eng. Abstr.) **(Rus)**

VARIOLA see **SMALLPOX**

VARIOLA VIRUS see **SMALLPOX VIRUS**

VARNISH see **PAINT**

VARNISH, CAVITY see **DENTAL CAVITY LINING**

VAS DEFERENS

Fertility control in vas occluded rats and the biochemical effects of ascorbic acid feeding. Sharma JD, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):337–41

[External fistula of the vas deferens after prostatic adenomectomy] Bechev A. **Urol Nefrol (Mosk)** 1983 Jul–Aug;(4):62–3 **(Rus)**

[Implantation of semen receptacles in obstructive azoospermia using microsurgical technics] Ignatenko SN, et al. **Vestn Khir** 1984 Feb;132(2):95–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Andrological and hormonal findings in subjects with ductus deferens agenesia. Fonzo D, et al. **Andrologia** 1983;15 Spec No:614–8

Vas deferens aplasia: clinical and anatomical features of 90 cases. Wagenknecht LV, et al. **Andrologia** 1983;15 Spec No:605–13

Clinical experience with an artificial spermatocele. Marmar JL, et al. **J Androl** 1984 Jul–Aug;5(4):304–11

The presence of a caput epididymidis in congenital absence of the vas deferens. van Wingerden JJ, et al. **J Urol** 1984 Apr;131(4):764–6

Ectopic duplicated ureter opening into ipsilateral vas deferens. Glasser J, et al. **Urology** 1984 Mar;23(3):309–12

[Testicular hypoplasia (lack of spermatogonia) and left-sided epididymal aplasia in a tricolored male cat with 39/xxy karyotype] König H, et al. **DTW** 1983 Sep 8;90(9):341–3 (Eng. Abstr.) **(Ger)**

[Diagnosis of bilateral agenesis of the vas deferens] Rodrigues Netto Jr N, et al. **Arch Esp Urol** 1983 Mar–Apr;36(2):143–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Pharmacological evidence for high affinity and low affinity a2-adrenoceptor binding sites in rat vas deferens. Mottram DR. **Arch Int Pharmacodyn Ther** 1983 Jul;264(1):28–39

Zinc content in the epididymis, vas deferens, prostate, and seminal vesicles of juvenile rhesus monkey (Macaca mulatta): effect of androgen and estrogen. Srivastava A, et al. **Prostate** 1984;5(2):153–8

Histochemical localization of ascorbic acid in the testis, epididymis and vas deferens of some rodents. Chinoy NJ, et al. **Z Mikrosk Anat Forsch** 1983;97(6):961–6

ANATOMY & HISTOLOGY

Excurrent duct system in male rabbit: a morphological study. Lohiya NK, et al. **Acta Eur Fertil** 1983 Nov–Dec; 14(6):433–41

Elastic fibres of the human ductus deferens. Paniagua R, et al. **J Anat** 1983 Oct;137 (Pt 3):467–76

[Morphology of the ampulla ductus deferentis of rabbits. Transmission and scanning electron microscopy studies] Kunkelmann H, et al. **Acta Anat (Basel)** 1984;118(1):1–12 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Proliferation of a highly androgen-sensitive ductus deferens cell line (DDT1MF-2) is regulated by glucocorticoids and modulated by growth on collagen. Syms AJ, et al. **In Vitro** 1983 Dec;19(12):929–36

DRUG EFFECTS

Effects of Carica papaya seed extracts on the physiology of the vas deferens of albino rats. Chinoy NJ, et al. **Acta Eur Fertil** 1984 Jan–Feb;15(1):59–65

Contraception with danazol plus testosterone enanthate in the rabbit. I. Effects on vas deferens. Lohiya NK, et al. **Acta Eur Fertil** 1983 Jul–Aug;14(4):269–72

Neuropeptide Y (NPY) depresses the secretion of 3H-noradrenaline and the contractile response evoked by field stimulation, in rat vas deferens. Lundberg JM, et al. **Acta Physiol Scand** 1984 Mar;120(3):477–9

Ionized copper as contraceptive in male rhesus monkey. Riar SS, et al. **Andrologia** 1984 Mar–Apr;16(2):116–7

Influence of castration of the neonatal rat on the contractile effects of barium chloride and adrenaline in isolated vas deferens: the role of calcium. Calixto JB, et al. **Biol Reprod** 1983 Dec;29(5):1057–62

Evidence for pharmacological similarity between alpha 2-adrenoceptors in the vas deferens and central nervous system of the rat. Doxey JC, et al. **Br J Pharmacol** 1983 Sep;80(1):155–61

The contractile response to and the release of noradrenaline by transmural nerve stimulation in the guinea-pig vas deferens and a comparison with the response to noradrenaline. Gillespie JS, et al. **Br J Pharmacol** 1983 Nov; 80(3):477–84

The effects of calcium channel inhibitors and other procedures affecting calcium translocation on drug-induced rhythmic contractions in the rat vas deferens. Hay DW, et al. **Br J Pharmacol** 1983 Jun;79(2):347–62

Selective potentiation of noradrenaline in the guinea-pig vas deferens by 2-(4-methylaminobutoxy) diphenylmethane hydrochloride (MCI–2016), a new psychotropic drug. Ohizumi Y, et al. **Br J Pharmacol** 1982 Feb;75(2):377–82

Diphenylhydantoin inhibition of drug-induced contractions of isolated rat vas deferens: additional evidence for a calcium-blocking action. Calixto JB, et al. **Braz J Med Biol Res** 1983 Dec;16(4):327–31

Prejunctional supersensitization of adrenergic transmission of the isolated guinea pig vas deferens produced by an atoxic fraction from scorpion venom (Tityus serrulatus). Melito I, et al. **Braz J Med Biol Res** 1983 Jul;16(2):147–51

Effects of acute and chronic morphine administration on the mouse vas deferens and toad skin. Contreras E. **Cell Mol Biol** 1984;30(3):233–7

Naloxone prevents loperamide inhibition of neurotransmitter induced contractions in rat vas deferens. Germany A, et al. **Cell Mol Biol** 1983;29(5):363–6

The effects of ethanol dependence on drug responsiveness of mouse isolated vas deferens. de Moraes S, et al. **J Pharm Pharmacol** 1984 Jan;36(1):70–2

Mode of action of ciguatoxin from the Spanish Mackerel, Scomberomorus commersoni, on the guinea-pig ileum and vas deferens. Lewis RJ, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):756–60

Excitatory effect of the most potent marine toxin, maitotoxin, on the guinea-pig vas deferens. Ohizumi Y, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):199–204

The effects of phospholipase and 2-chloroadenosine treatments on alpha 2-adrenoceptors in rat vas deferens. Watanabe Y, et al. **Jpn J Pharmacol** 1984 Jan;34(1):109–12

Effect of cobalt on electrical and mechanical responses to exogenous noradrenaline and to field stimulations in the guinea-pig vas deferens. Wakui M, et al. **Jpn J Physiol** 1983;33(6):1057–60

Interaction between 2-chloroadenosine and alpha-adrenoceptors in rat vas deferens. Lai RT, et al. **Life Sci** 1984 Jan 30;34(5):409–18

The effects of pancreatic polypeptides and neuropeptide Y on the rat vas deferens. Ohhashi T, et al. **Peptides (Fayetteville)** 1983 May–Jun;4(3):381–6

[Changes induced by gestagens in the contractile responses of the rat vas deferens to KCl and BaCl2 in vitro] Hidalgo A, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):171–6 (Eng. Abstr.) **(Spa)**

[Comparative studies of 2 methods for the quantitative measurement of endorphins in the cerebrospinal fluid. The mouse vas deferens and opiate-receptor binding] Laorden ML, et al. **Arch Farmacol Toxicol** 1983 Aug;9(2):165–70 (Eng. Abstr.) **(Spa)**

[Effect of opiates on the rat vas deferens] Vargas ML, et al. **Arch Farmacol Toxicol** 1983 Dec;9(3):225–31 (Eng. Abstr.) **(Spa)**

[Hormonal influence on rat vas deferens responses induced by field stimulation] Beneit JV, et al. **Rev Esp Fisiol** 1983 Dec;39(4):429–34 (Eng. Abstr.) **(Spa)**

[Effect of calcium antagonists on the response of the rat vas deferens to noradrenaline and field stimulation] Hidalgo A, et al. **Rev Esp Fisiol** 1983 Jun;39(2):211–5 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Post-natal development of functional neurotransmission in rat vas deferens. MacDonald A, et al. **Br J Pharmacol** 1984 May;82(1):25–34

INNERVATION

Release of noradrenaline and dopamine by nerve stimulation in the guinea-pig and rat vas deferens. Bell C, et al. **Br J Pharmacol** 1984 Mar;81(3):563–9

Separation of adrenergic and non-adrenergic contractions to field stimulation in the rat vas deferens. Brown DA, et al. **Br J Pharmacol** 1983 Jun;79(2):379–93

Evidence that ATP acts as a co-transmitter with noradrenaline in sympathetic nerves supplying the guinea-pig vas deferens. Meldrum LA, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):161–3

Cholinergic transmission in vas deferens. Bustos E, et al. **Gen Pharmacol** 1983;14(6):693–6

[3H]Xylamine accumulation by two sympathetically innervated tissues. Ransom RW, et al. **J Neurochem** 1984 Feb;42(2):475–81

The vas deferens as a suitable preparation for the study of alpha-adrenoreceptor molecular mechanisms. Cordellini S, et al. **J Pharmacol Methods** 1984 Apr;11(2):97–107

Frequency dependent intermittency and ionic basis of impulse conduction in postganglionic sympathetic fibres of guinea-pig vas deferens. Cunnane TC, et al. **Neuroscience** 1984 Jan;11(1):211–29

METABOLISM

High-pressure liquid chromatographic-fluorometric detection of adenosine and adenine nucleotides: application to endogenous content and electrically induced release of adenyl purines in guinea pig vas deferens. Levitt B, et al. **Anal Biochem** 1984 Feb;137(1):93–100

In vitro metabolism of (3H)-androstenedione in the rat epididymis and vas deferens. Setty BS, et al. **Andrologia** 1983 Jul–Aug;15(4):339–46

Ca2+ handling properties of microsomal subfractions of rat vas deferens smooth muscle. Grover AK, et al. **Can J Physiol Pharmacol** 1984 Jan;62(1):76–9

[Leu5]enkephalin containing peptides derived from a common precursor: evaluation of opioid activity in in vitro bioassays. Sanchez-Blazquez P, et al. **Eur J Pharmacol** 1984 Mar 2;98(3–4):389–96

A photoaffinity reagent to label the opiate receptors of guinea pig ileum and mouse vas deferens. Fujioka T, et al. **J Med Chem** 1984 Jul;27(7):836–40

Receptor preference of dynorphin A fragments in the mouse vas deferens determined by different techniques. Schulz R, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):200–4

Characterization of muscarinic cholinergic receptor binding in the vas deferens, bladder, prostate and penis of the rabbit. Lepor H, et al. **J Urol** 1984 Aug;132(2):392–6

Opiate receptors in the rat vas deferens. Smith CF, et al. **Life Sci** 1983;33 Suppl 1:327–30

'Spare' alpha 1-adrenergic receptors and the potency of agonists in rat vas deferens. Minneman KP, et al. **Mol Pharmacol** 1984 Jan;25(1):56–63

Long-term social isolation in the rat induces opposite changes in binding to alpha 1- and alpha 2-adrenoceptors in the brain and vas deferens. Lopez de Ceballos M, et al. **Neurosci Lett** 1983 Aug 29;39(2):217–22

Evidence that presynaptic beta-receptors account for the low affinity site in Schild plots for beta-adrenergic antagonists in the field stimulated rat vas deferens. Lotti VJ. **Neurosci Lett** 1983 Oct 31;41(1–2):195–7

Tetrodotoxin-resistant release of 3H-noradrenaline from the mouse vas deferens by high intensity electrical stimulation. Illes P, et al. **Neuroscience** 1984 Mar;11(3):715–21

Testicular weights, ductus deferens semen volumes, and sperm concentration of turkeys with high and low ejaculate volumes. Cecil HC, et al. **Poult Sci** 1984 Jul;63(7):1432–7

Alpha adrenergic stimulation modified prostaglandins release in vas deferens. Borda ES, et al. **Prostaglandins** 1983 Nov; 26(5):701–10

PHYSIOLOGY

Delayed spontaneous recanalization of the vas deferens. Sherlock DJ, et al. **Br J Surg** 1984 Jul;71(7):532–3

Inhibition of excitatory junction potentials in guinea-pig vas deferens by alpha, beta-methylene-ATP: further evidence for ATP and noradrenaline as cotransmitters. Sneddon P, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):85–90

Scanning and transmission electron microscopic evidence of epithelial phagocytosis of spermatozoa in the terminal region of the vas deferens of the cat. Murakami M, et al. **Experientia** 1984 Sep 15;40(9):958–60

Histamine receptor in the rabbit vas deferens. Nakanishi H, et al. **Fukushima J Med Sci** 1982 Dec;29(1–2):25–32

Differential androgen requirements of proximal & distal vas deferens of albino rats & possible potentiation of androgen action by ascorbic acid. Chinoy MR, et al. **Indian J Exp Biol** 1983 Jun;21(6):335–8

Impairment of vas sympathetic nervous system & contractility following vasectomy in rat. Kanwar KC, et al. **Indian J Exp Biol** 1983 Nov;21(11):585–6

Biochemical & histological changes in male reproductive system of Loris, Loris tardigradus lydekkerianus (CABR), following efferent ductule ligation. Manjula A, et al. **Indian J Exp Biol** 1983 Nov;21(11):587–90

Acetylcholine potentiation of field stimulated rat vas deferens: a pre-synaptic muscarinic mechanism? Chung SL, et al. **Life Sci** 1983 Nov 7;33(19):1861–7

K receptor activities of the three opioid peptide families. Rezvani A, et al. **Life Sci** 1983;33 Suppl 1:271–4

'Spare' alpha 1-adrenergic receptors and the potency of agonists in rat vas deferens. Minneman KP, et al. **Mol Pharmacol** 1984 Jan;25(1):56–63

Evidence that somatostatin releases endogenous substance(s) responsible for its presynaptic inhibitory effect on rat vas deferens and guinea pig ileum. Vizi ES, et al. **Neuroendocrinology** 1984 Aug;39(2):142–8

Immunohistochemical localization of substance P, vasoactive intestinal polypeptide and gastrin-releasing peptide in vas deferens and seminal vesicle, and the effect of these and eight other neuropeptides on resting tension and neurally evoked contractile activity. Stjernquist M, et al. **Regul Pept** 1983 Sep;7(1):67–86

Epithelial changes of the vas deferens after vasectomy and vasovasostomy in dogs. Wright N, et al. **Scan Electron Microsc** 1983;(Pt 3):1435–40

PHYSIOPATHOLOGY

Hyperthyroid induced changes in adrenergic receptor status in guinea pig vas deferens. Ahuja GB, et al. **Indian J Exp Biol** 1983 May;21(5):272–4

RADIOGRAPHY

[Epididymodeferentovesiculography—a routine method in the diagnosis of male infertility] Tsvetkov D. **Akush Ginekol (Sofiia)** 1983;22(2):147–50 (Eng. Abstr.) **(Bul)**

[New approach to the roentgen diagnosis of the vas deferens] Drawz G, et al. **Radiol Diagn (Berl)** 1983;24(4):465–8 (Eng. Abstr.) **(Ger)**

SURGERY

Artificial spermatocele inserted onto the vas deferens: a clinical report. Colpi GM, et al. **Acta Eur Fertil** 1983 May–Jun;14(3):203–8

Vasoepididymostomy to the head of the epididymis: a comparative study of two microsurgical techniques in the rabbit. Vancaillie T, et al. **Acta Eur Fertil** 1984 Jan–Feb; 15(1):25–9

A low-power magnification technique for the re-anastomosis of the vas—further results in a personal series of 125 patients. Urquhart-Hay D. **Aust NZ J Surg** 1984 Feb; 54(1):73–4

'O that I were young again': Yeats and the Steinach operation. Lock S. **Br Med J [Clin Res]** 1983 Dec 24–31; 287(6409):1964–8

Immunologic considerations before and after vasovasostomy. Fuchs EF, et al. **Fertil Steril** 1983 Oct;40(4):497–9

Long-term management of vasovasostomy patients. Weinerth JL. **Fertil Steril** 1984 Apr;41(4):625–8

Tubulovasostomy in the rat. A new experimental model. Belgrano E, et al. **J Androl** 1983 Jul–Aug;4(4):253–5

Vasovasostomy in rabbits after vasectomy or vas occlusion by tantalum clip. Lohiya NK, et al. **J Reprod Fertil** 1984 May;71(1):243–8

Re: Testicular transposition with right-to-left epididymo-deferential anastomosis: a case report [letter] Amelar RD, et al. **J Urol** 1984 Sep;132(3):568

Testicular transposition with right-to-left epididymo deferential anastomosis: a case report. Pozza D, et al. **J Urol** 1983 Dec;130(6):1194–5

Relationship of gross appearance of vas fluid during vasovasostomy to sperm quality, obstructive interval and sperm granuloma. Sharlip ID, et al. **J Urol** 1984 Apr; 131(4):681–3

Laser-assisted vas anastomosis: a preliminary report. Lynne CM, et al. **Lasers Surg Med** 1983;3(3):261–3

Microsurgical end-to-end and end-to-side epididymovasostomy to correct occlusive azoospermia. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1983; 17(2):137–40

Vasovasostomy: current state of the art. Cos LR, et al. **Urology** 1983 Dec;22(6):567–75 (61 ref.)

Magnified surgery for epididymovasostomy. Dubin L, et al. **Urology** 1984 May;23(5):525–8

Microsurgery for vasectomy reversal and vasoepididymostomy. Silber SJ. **Urology** 1984 May; 23(5):505–24

[Deferens-deferens microsurgical anastomoses and their results after contraceptive and iatrogenic section] Guillemin P, et al. **Acta Urol Belg** 1983;51(4):412–7 (Eng. Abstr.) **(Fre)**

[Termino-terminal vaso-vasostomy in the rat. Histological and ultrastructural study of the vas deferens and epididymis] Cavallaro G, et al. **Minerva Chir** 1983 Sep 30; 38(18):1339–46 (Eng. Abstr.) **(Ita)**

[Experience with microsurgical two-layer vasovasostomy] Hirao Y, et al. **Hinyokika Kiyo** 1983 Apr;29(4):385–93 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructural and cytochemical study on the epithelium lining ductuli efferentes in Equus asinus. Aureli G, et al. **Basic Appl Histochem** 1984;28(2):101–15

Dense-cored membranous structures in smooth muscle cells of the vas deferens of the rat. Lee RM, et al. **Cell Tissue Res** 1984;235(1):43–9

VASA NERVORUM see under **BLOOD VESSELS**

VASA VASORUM

METABOLISM

Endothelial transport of anionized and cationized ferritin in the rabbit thoracic aorta and vasa vasorum. Baldwin AL, et al. **Arteriosclerosis** 1984 Jul–Aug;4(4):372–82

PATHOLOGY

Vasa vasorum in coronary-artery disease [letter] Train JS, et al. **N Engl J Med** 1984 Jun 28;310(26):1748

PHYSIOPATHOLOGY

Hypothesis: vasa vasorum and neovascularization of human coronary arteries. A possible role in the pathophysiology of atherosclerosis. Barger AC, et al. **N Engl J Med** 1984 Jan 19;310(3):175–7

ULTRASTRUCTURE

The microcirculation of cerebral arteries: a morphologic and morphometric examination of the major canine cerebral arteries. Liszczak TM, et al. **Am J Anat** 1984 Jun; 170(2):223–32

VASCULAR DISEASES

Vascular lesions of the colon. Boley SJ, et al. **Adv Intern Med** 1984;29:301–26 (32 ref.)

[Venous diseases of childhood. II. Acquired diseases] Giudice PA, et al. **Minerva Chir** 1984 Feb 28;39(4):265–7 **(Ita)**

[National Congress of Angiology and Vascular Surgery. 29th Spanish Angiology Seminar. 29 May–1 June 1983, Oviedo (Spain). Abstracts] **Angiologia** 1983 Sep–Oct;35(5):205–36 **(Spa)**

BLOOD

Hemorheological parameters in some vascular diseases. Stoltz JF. **Adv Exp Med Biol** 1984;164:399–409

Biorheological and metabolic dysfunctions of density-fractionated erythrocytes in diabetics with peripheral vascular disease. Goebel KM, et al. **Biomed Biochim Acta** 1983;42(11–12):S102–6

Beneficial effect of fish oil on blood viscosity in peripheral vascular disease. Woodcock BE, et al. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):592–4

Clinical value of platelet migration test in patients with peripheral vascular disease. Kaliman J, et al. **Vasa** 1983; 12(4):357–62

[Studies on lipid and high-density lipoprotein cholesterol in blackfoot disease] Lee FN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1240–5 (Eng. Abstr.) **(Chi)**

[Erythrocyte deformability in subjects with microangiopathy caused by vibrating tools] Pennarola R, et al. **Ric Clin Lab** 1983;13 Suppl 3:487–91 (Eng. Abstr.) **(Ita)**

[Blood coagulation, fibrinolysis and vascular wall injury] Nakamura K. **Rinsho Ketsueki** 1983 Sep;24(9):1214–21 (Eng. Abstr.) **(Jpn)**

[Vascular wall injury and platelets] Taketomi Y, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1222–31 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

D-penicillamine-induced angiopathy in rats. The effect of high dose D-penicillamine treatment on aortic permeability to albumin and on the ultrastructure of the vessel. Jensen BA, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov;91(6):403–11

Pulmonary veno-occlusive disease after chemotherapy with bleomycin [letter] Rose AG. **Hum Pathol** 1984 Feb; 15(2):199

Ergotism as a cause of acute vasospastic disease with features mimicking severe atherosclerosis. Abercrombie D, et al. **J Okla State Med Assoc** 1984 Mar;77(3):86–9

[Arterial complications of estrogen-progestogen contraception] Jaillard J. **Ann Med Interne (Paris)** 1983; 134(5):416–20 (Eng. Abstr.) **(Fre)**

[Peripheral vascular complications of beta-blocking agents] Guilmot JL, et al. **J Mal Vasc** 1984;9(1):59–62 (Eng. Abstr.) **(Fre)**

[The contraceptive pill and vascular accidents (editorial)] Lancet M. **Harefuah** 1983 Feb 1;104(3):107–8 **(Heb)**

[Experimental data on the embryotoxic effects of barium ferrite] Govorukova NN, et al. **Gig Sanit** 1984 Apr;(4):72–4 **(Rus)**

COMPLICATIONS

Von Recklinghausen's vasculopathy. Zochodne D. **Am J Med Sci** 1984 Jan–Feb;287(1):64–5

Failure of intravenous regional analgesia using a double cuff tourniquet. Ogden PN. **Anaesthesia** 1984 May;39(5):456–9

Coronary artery disease in peripheral vascular patients. A classification of 1000 coronary angiograms and results of surgical management. Hertzer NR, et al. **Ann Surg** 1984 Feb;199(2):223–33

Uncontrollable bleeding under tourniquet. Bunker TD, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1905

Lung cancer and peripheral vascular disease. Sheiner NM. **Can J Surg** 1983 Sep;26(5):392

Secondary vascular glaucoma. de Keizer RJ. **Doc Ophthalmol** 1983 Dec 15;56(1–2):195–202

Macular lesions secondary to choroidal vascular disorders. Hayreh SS. **Indian J Ophthalmol** 1983 May;31(3):158–64

Microvascular changes in Dupuytren's contracture. Kischer CW, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):58–62

Pedal hemangiomas versus vascular ectasia in Turner syndrome [letter] Bushkell LL, et al. **J Pediatr** 1984 Mar; 104(3):486

Generalized vasculopathy and finger blood flow abnormalities in rheumatoid arthritis. Fischer M, et al. **J Rheumatol** 1984 Feb;11(1):33–7

[Ocular venous thrombosis and general vascular pathology] Pliszkiewicz K, et al. **Klin Monatsbl Augenheilkd** 1984 May; 184(5):367–70 (Eng. Abstr.) **(Fre)**

[Pigmentation and venous stasis] Merlen JF, et al. **Phlebologie** 1983 Oct–Dec;36(4):307–14 (Eng. Abstr.) **(Fre)**

[Periarticular angiopathies and tumors as the cause of chronic pain in the temporomandibular joint area] Hardt N, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):409–18 (Eng. Abstr.) **(Ger)**

[Preliminary results of continuous peridural analgesic therapy in chronic arteriopathies] Melloni C, et al. **Minerva Chir** 1983 Jul 15–31;38(13–14):1071–4 (Eng. Abstr.) **(Ita)**

[Role of vascular injury in the development of DIC] Takeda S, et al. **Rinsho Ketsueki** 1983 Sep;24(9):1240–9 (Eng. Abstr.) **(Jpn)**

[Role of vascular disorders in the pathogenesis of chronic salpingitis] Glukhovets BI, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):67–8 (5 ref.) **(Rus)**

[Vascular disorders in the pathogenesis of lupus nephritis] Poltyrev AS, et al. **Revmatologiia (Moskva)** 1984 Jan–Mar; (1):19–21 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Phlebopathy in childhood. Congenital diseases] Giudice PA, et al. **Minerva Chir** 1984 Feb 15;39(3):179–81 **(Ita)**

DIAGNOSIS

31P NMR spectroscopy of animal brain and human limbs. Chance B, et al. **Acta Radiol [Suppl] (Stockh)** 1983;365:73–7

Office use of the doppler for vascular disease. Pfeiffer RB, et al. **Ala Med** 1983 Dec;53(6):24–5,27

Assessing peripheral vascular disease. Noninvasive testing. Bastarache MM, et al. **Am J Nurs** 1983 Nov;83(11):1552–6

Assessing peripheral vascular disease at the bedside. Peterson FY. **Am J Nurs** 1983 Nov;83(11):1549–51

On the use of autoregressive time series in the modelling of Doppler signals for diagnostic purposes. D'Alessio T, et al. **Clin Phys Physiol Meas** 1983 Nov;4(4):395–401

Angiodysplasia. Clinical presentation and colonoscopic diagnosis. Richter JM, et al. **Dig Dis Sci** 1984 Jun; 29(6):481–5

Idiopathic infantile arterial calcification: a case report and review of the literature. Maayan C, et al. **Eur J Pediatr** 1984 Aug;142(3):211–5

Diffuse antral vascular ectasia. Lee FI, et al. **Gastrointest Endosc** 1984 Apr;30(2):87–90

The Doppler flowmeter as an aid in the diagnosis of the hyperstomy syndrome. Martins AC, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):535–6

Generalized arterial calcification of infancy: three case reports, including spontaneous regression with long-term survival. Sholler GF, et al. **J Pediatr** 1984 Aug; 105(2):257–60

The ultrasound appearance of an arterio-biliary fistula. Greenberg M, et al. **JCU** 1983 Aug;11(6):323–5

Angiography of the lower extremities using segmental pressure measurements and Doppler waveform guidance. Mulligan BD, et al. **Milit Med** 1983 Dec;148(12):908–10

A seventeen-year-old HBsAg sero-positive heroin user with generalized vascular disease. Rosman JB, et al. **Neth J Med** 1984;27(2):50–8

Hematuria. A suggested workup strategy. Ng RC, et al. **Postgrad Med** 1984 Jan;75(1):139–44

Respiratory manifestations of systemic disease. 1. Rheumatologic and vascular diseases. Prakash UB. **Postgrad Med** 1984 Sep 1;76(3):119–25

Unusual renovascular disorders. Tynes WV 2d. **Urol Clin North Am** 1984 Aug;11(3):529–42 (70 ref.)

[Plethysmography in venous pathology] Aelvoet G. **Phlebologie** 1983 Oct–Dec;36(4):413–8 (Eng. Abstr.) **(Fre)**

[Cockett's syndrome. Clinical and radiologic aspects] Ducolone A, et al. **Poumon Coeur** 1983;39(3):137–8 (Eng. Abstr.) **(Fre)**

[Facial vascular pain and sympathalgia. Therapeutic trial] Renaud Y, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(3):189–92 (Eng. Abstr.) **(Fre)**

[Methods of functional diagnosis in venous diseases of the lower extremities] Stemmer R, et al. **Fortschr Med** 1983 Aug 25;101(31–32):1421–5 **(Ger)**

[Ultrasound examination: the gastrointestinal tract and large abdominal vessels] Cabell R. **MMW** 1983 Sep 23; 125(38):87–8 **(Ger)**

[Vascular diseases of the liver: cavernous transformation of the portal vein, Osler disease and Budd-Chiari syndrome] Volk BA, et al. **Ultraschall Med** 1984 Jun;5(3):117–21 (Eng. Abstr.) **(Ger)**

[Combination of arterial and venous vascular diseases] Grossmann K, et al. **Z Gesamte Inn Med** 1984 Feb 15; 39(4):59–63 (Eng. Abstr.) **(Ger)**

[Real-time sonography of the arteries and veins of the epigastric region] Müller JE, et al. **Minerva Cardioangiol** 1983 May;31(5):311–6 (Eng. Abstr.) **(Ita)**

[Minicomputer program for memory storage and analysis of histopathological diagnoses: applications in vascular pathology] Spagnoli LG, et al. **Pathologica** 1984 Mar–Apr; 76(1042):151–60 (Eng. Abstr.) **(Ita)**

[Combined instrumental evaluation of microangiopathy caused by vibrating tools] Pennarola R, et al. **Ric Clin Lab** 1983;13 Suppl 3:493–8 (Eng. Abstr.) **(Ita)**

[The Doppler ultrasound method in diagnosis of arterial and venous diseases] Incze A, et al. **Rev Med Interna [Med Interna]** 1983 Mar–Apr;35(2):135–42 (22 ref.) (Eng. Abstr.) **(Rum)**

[Differential diagnosis of autoimmune and atherosclerotic diseases of the arteries of the extremities] Koshkin VM, et al. **Klin Khir** 1984 Jul;(7):9–11 (Eng. Abstr.) **(Rus)**

[Ophthalmoscopic and functional changes in vascular lesions of the optic nerve] Miroshnikova LM, et al. **Oftalmol Zh** 1983;38(6):342–4 (Eng. Abstr.) **(Rus)**

[External compression of blood vessels] Petrović P. **Med Pregl** 1983;36(7–8):345–7 (Eng. Abstr.) **(Scr)**

DIET THERAPY

Effects of two 'lipid-lowering' diets on plasma lipid levels of patients with peripheral vascular disease. Brown GD, et al. **J Am Diet Assoc** 1984 May;84(5):546–50

DRUG THERAPY

Long-term induction of fibrinolytic activity in chronic arterial vessel disease. van de Loo JC. **Adv Exp Med Biol** 1984;164:251–4

Our experience with the use of buflomedil chlorhydrate in a mixed population of vasculopathic patients. Battaglia L, et al. **J Int Med Res** 1984;12(2):63–72

Prostaglandin E1 is more effective, when incorporated in lipid microspheres, for treatment of peripheral vascular diseases in man. Mizushima Y, et al. **J Pharm Pharmacol** 1983 Oct;35(10):666–7

The behaviour of various platelet function tests during long-term prostacyclin infusion in patients with peripheral vascular disease. Sinzinger H, et al. **Thromb Haemost** 1983 Dec 30;50(4):885–7

ECONOMICS

[Socioeconomic aspects of services to patients with pathology of the veins of the lower extremities] Zhukov BN, et al. **Klin Khir** 1984 Jul;(7):67–8 **(Rus)**

ETIOLOGY

Impairment of fibrinolysis and vascular disease. Brommer EJ, et al. **Adv Exp Med Biol** 1984;164:49–56

Identification of patients at high risk for complications of intraaortic balloon counterpulsation: a multivariate risk factor analysis. Gottlieb SO, et al. **Am J Cardiol** 1984 Apr 1;53(8):1135–9

Vascular aspects of Behcet disease. Case presentations and review of literature. Adler OB, et al. **Ann Radiol (Paris)** 1984 Apr–May;27(4):371–5

The role of hypertension in the vascular disease and myocardial infarcts associated with murine systemic lupus erythematosus. Hang L, et al. **Arthritis Rheum** 1983 Nov; 26(11):1340–5

Occlusion and infection in Broviac catheters during intensive cancer therapy. Lazarus HM, et al. **Cancer** 1983 Dec 15; 52(12):2342–8

The vasospastic disorders. Spittell JA Jr. **Curr Probl Cardiol** 1984 Mar;8(12):1–27

Hairy cell leukemia associated with focal vascular damage. Klima M, et al. **Hum Pathol** 1984 Jul;15(7):657–9

Histometrical investigation of the pulmonary artery in severe hepatic disease. Matsubara O, et al. **J Pathol** 1984 May; 143(1):31–7

Pulmonary vascular disease in fatal meconium aspiration. Murphy JD, et al. **J Pediatr** 1984 May;104(5):758–62

Opinions related to vascular occlusive lesions in individuals with the sickle cell trait (SCT). Diggs LW. **Milit Med** 1983 Sep;148(9):757–8

Main venous risks factors in orthopaedic surgery. Raso AM, et al. **Panminerva Med** 1983 Apr–Jun;25(2):109–16

[Arterial manifestations of the Ehlers' Danlos syndrome] Beylot C, et al. **Ann Med Interne (Paris)** 1983;134(5):451–7 (Eng. Abstr.) **(Fre)**

[Hemoglobinopathies and arterial pathology] Debray J, et al. **Ann Med Interne (Paris)** 1983;134(5):385–9 (Eng. Abstr.) **(Fre)**

[Vascular complications of polycythemia] Najean Y, et al. **Ann Med Interne (Paris)** 1983;134(5):390–4 (Eng. Abstr.) **(Fre)**

[False prosthetic aneurysms. Evaluation of etiologic factors] Chopin D, et al. **J Chir (Paris)** 1983 Nov;120(11):603–9 (Eng. Abstr.) **(Fre)**

[Multiple arterial lesions in von Recklinghausen's disease. A case] Debure C, et al. **Presse Med** 1984 Jul 14–21; 13(29):1776–8 (Eng. Abstr.) **(Fre)**

[Iatrogenic or environmentally caused vascular diseases in the aged] Schütz RM. **Aktuel Gerontol** 1983 Sep; 13(5):177–80 (Eng. Abstr.) **(Ger)**

[The problem of supravital reaction, using as example basilar intracerebral arteries] Krauland W, et al. **Beitr Gerichtl Med** 1983;41:263–70 (Eng. Abstr.) **(Ger)**

[Non-occlusive insufficiency of the superior mesenteric artery in the low cardiac output syndrome. Sonographic findings and clinical course] Meiser G, et al. **Chirurg** 1984 Apr;55(4):288–90 **(Ger)**

[The angiopathy risk factor in inhaling during smoking] Marshall M. **ZFA (Stuttgart)** 1984 Feb 10;60(4):142–50 **(Ger)**

[Thorotrast granuloma causing vascular occlusion] Tubi E,

et al. **Harefuah** 1983 Apr 15;104(8):336–8 **(Heb)**

[Vascular complications in the thoracic outlet syndrome] Pellegrino F. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:35–44 **(Ita)**

[Neurovegetative reactivity among female workers systematically locally exposed to cold and overexertion] Stolneva Z, et al. **Probl Khig** 1983;8:89–93 (Eng. Abstr.) **(Rus)**

[Vascular and visceral disorders in intervertebral osteochondrosis] Ivanova LA, et al. **Voen Med Zh** 1984 Jul;(7):48–50 **(Rus)**

FAMILIAL & GENETIC

[Familial incidence of infantile arterial calcification] Cekovský L, et al. **Cesk Pediatr** 1983 Nov;38(11):658–61 **(Slo)**

IMMUNOLOGY

Circulating immune complexes: their immunochemistry, biology, and detection in selected dermatologic and systemic diseases. Yancey KB, et al. **J Am Acad Dermatol** 1984 May;10(5 Pt 1):711–31 (138 ref.)

Effect of anergy on short-lived suppressor cells in patients with cirrhosis or peripheral vascular disease. Ulrich F, et al. **J Clin Lab Immunol** 1984 Apr;13(4):161–5

METABOLISM

The elusory role of serotonin in vascular function and disease. Vanhoutte PM, et al. **Biochem Pharmacol** 1983 Dec 15; 32(24):3671–4 (54 ref.)

Arachidonate metabolism in vascular disorders. Majerus PW. **J Clin Invest** 1983 Nov;72(5):1521–5 (45 ref.)

MORTALITY

Hypertension is a myth; high(er) arterial pressure is the problem. O'Rourke MF. **Aust NZ J Med** 1984 Feb; 14(1):69–70 (8 ref.)

PATHOLOGY

Intimal changes associated with arterial spasm induced by periarterial application of calcium chloride. Kurgan A, et al. **Exp Mol Pathol** 1983 Oct;39(2):176–93

Progressive pulmonary vascular disease after surgery in a case of patent ductus arteriosus with pulmonary hypertension. Yamaki S, et al. **Tohoku J Exp Med** 1983 Jul;140(3):279–88

[Microcirculation of the skeletal muscle] Merlin JF, et al. **Phlebologie** 1984 Apr–Jun;37(2):153–62 (Eng. Abstr.) **(Fre)**

[Pulmonary veins in normal and pathologic states] Feintrenie X, et al. **Rev Pneumol Clin** 1984;40(1):47–62 (91 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effect of distal coronary pressure on rigid and compliant coronary stenoses. Schwartz JS. **Am J Physiol** 1983 Dec; 245(6):H1054–60

The relationship of excessive white cell accumulation to vascular insufficiency in patients with leukemia. Lichtman MA. **KROC Found Ser** 1984;16:295–306

Acute venous stasis and chronic venous insufficiency models in rats. Nordmann H, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug; 5(6):347–55

The intrainfusion platelet rebound during and following PGE1–infusion is faster and more intensive than that with PGI2. Sinzinger H, et al. **Prostaglandins Leukotrienes Med** 1984 Mar;13(3):281–8

The physiological significance of the endoendothelial fibrin :ining (EEFL) as the critical interface in the 'vessel–blood organ' and the importance of in vivo 'fibrinogenin formation' in health and disease. Copley AL. **Thromb Res [Suppl]** 1983;5:105–45

[Vascular reactivity to cold. Study in normal subjects and in vascular acrosyndromes] Schmidt C, et al. **J Mal Vasc** 1984;9(1):29–33 (Eng. Abstr.) **(Fre)**

[Vascular function tests and venous diseases] Lemaire R. **Phlebologie** 1984 Apr–Jun;37(2):217–23 (Eng. Abstr.) **(Fre)**

[Compartment syndrome] Lévy JB, et al. **Phlebologie** 1984 Apr–Jun;37(2):163–81 (Eng. Abstr.) **(Fre)**

[The lymphatic system and the venous wall. Clinical aspects] Stemmer R, et al. **Phlebologie** 1984 Apr–Jun;37(2):195–200 (Eng. Abstr.) **(Fre)**

[Measurement of cutaneous evaporation. 5. Cutaneous water loss in peripheral vascular disease] De Luca R, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1496–8 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Prevention of vascular complications in polycythemia vera and primary thrombocythemia treated with low doses of acetylsalicylic acid] Fröhli P, et al. **Schweiz Med Wochenschr** 1983 Nov 5;113(44):1622–7 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Effectiveness of health promotion interventions. Ventura MR, et al. **Nurs Res** 1984 May–Jun;33(3):162–7

RADIOGRAPHY

Tailored approach for evaluation of peripheral vascular disease: intravenous digital subtraction angiography. Kinnison M, et al. **AJR** 1984 Jun;142(6):1205–9

Runoff studies in peripheral vascular disease [letter] Shuman LS, et al. **AJR** 1984 Apr;142(4):852

Intravenous digital subtraction arteriography in the evaluation of peripheral vascular disease. Crummy AB. **Ann Radiol (Paris)** 1983 Nov;26(7):581–4

Computed tomography in the assessment of peripheral arterial disease. Wright CH, et al. **Australas Radiol** 1983 Jul;27(2):174–7

The value of digital subtraction angiography in peripheral vascular diseases. Takahashi M, et al. **Br J Radiol** 1984 Feb;57(674):123–32

Suprapelvic phleboliths: prevalence, distribution and clinical associations. Curry NS, et al. **Clin Radiol** 1983 Nov; 34(6):701–5

Digital vascular imaging in extra- and intracranial artery disease and of abdominal arteries. Ludwig JW, et al. **Eur J Radiol** 1983 Aug;3 Suppl 1:251–6

Digital subtraction angiography in postoperative evaluation of peripheral vascular disease. Stacul F, et al. **Eur J Radiol** 1984 Feb;4(1):38–41

Digital subtraction angiography for examination of vessels of the leg: use of a 40-cm image intensifier. Passariello R, et al. **Radiology** 1983 Dec;149(3):669–74

Hepatocellular carcinoma with venous invasion. Sonographic–angiographic correlation. Subramanyam BR, et al. **Radiology** 1984 Mar;150(3):793–6

Intravascular bronchioloalveolar tumor (IV–BAT). Sicilian L, et al. **Respiration** 1983;44(5):387–94

CT of solitary pulmonary vascular lesions. Webb WR. **Semin Roentgenol** 1984 Jul;19(3):189–98 (26 ref.)

[Indications for the digital angiography method in peripheral arteriopathies] Collette JM. **Acta Belg Med Phys** 1983 Jul–Sep;6(3):85–6 **(Fre)**

[Digital subtraction angiography in ambulatory practice. Preliminary report] Schinas P, et al. **Rev Med Suisse Romande** 1983 Nov;103(11):977–85 **(Fre)**

[Digital subtraction angiography. In the spectrum of imaging methods of vascular diagnosis] Schuler M, et al. **MMW** 1983 Oct 28;125(43):974–8 (21 ref.) (Eng. Abstr.) **(Ger)**

[Differential diagnosis of peripheral blood vessel calcifications] Seemann WR, et al. **Radiologe** 1984 Apr; 24(4):199–200 **(Ger)**

[Sonographic visualization of the left ovarian vein. A contribution to the diagnosis of compression syndrome of the left renal vein] Tölly E, et al. **ROFO** 1984 Aug; 141(2):195–8 (Eng. Abstr.) **(Ger)**

[Technic and results of digital subtraction angiography. Experience with 330 patients] Bonfatti A, et al. **Minerva Chir** 1983 Oct 15;38(19):1601–4 **(Ita)**

RADIONUCLIDE IMAGING

[Preliminary experiences in the use of radioisotopic angioscintigraphy in the bloodless study of peripheral vascular pathology] Tesauro P, et al. **Clin Ter** 1984 Mar 31;108(6):537–42 (Eng. Abstr.) **(Ita)**

SURGERY

Superficial temporal artery cannulation in adults [letter] Brown M, et al. **Anesthesiology** 1984 Jul;61(1):114

The risk of malignant edema following lower limb amputation for ischemic gangrene. László G, et al. **Arch Orthop Trauma Surg** 1983;102(1):49–50

The ischemic exercise test in patients with peripheral vascular disease. Implications for management. Arous EJ, et al. **Arch Surg** 1984 Jul;119(7):780–3

Lower extremity revascularization. Bunt TJ, et al. **J SC Med Assoc** 1984 Jun;80(6):285–8

Laser therapy of venous lakes (Bean–Walsh) and telangiectasias. Landthaler M, et al. **Plast Reconstr Surg** 1984 Jan;73(1):78–83

Operative therapy of peripheral vascular disease. Bergan JJ, et al. **Prog Cardiovasc Dis** 1984 Jan–Feb;26(4):273–94 (123 ref.)

13th annual meeting of the German Society for Thoracic and Cardiovascular Surgery. February 16th, 1984 to February 18th, 1984, Bad Nauheim, Abstracts. **Thorac Cardiovasc Surg** 1984 Feb;32 Spec No 1:1–89

[Can lasers have a place in the treatment of pigmentation?] Sentou Y. **Phlebologie** 1983 Oct–Dec;36(4):353–61 (Eng. Abstr.) **(Fre)**

[Significance of digital subtraction angiography (DSA) in the evaluation of reconstructive vascular interventions] Schuler M. **Computertomographie** 1983 Dec;3(4):179–87 (Eng. Abstr.) **(Ger)**

[Colonoscopic electrocoagulation of angiodysplasia] Niv J, et al. **Harefuah** 1983 Sep;105(5–6):122–3 (23 ref.) **(Heb)**

[Digital subtraction angiography and vascular surgery] Settembrini PG, et al. **Minerva Chir** 1983 Oct 15; 38(19):1485–8 **(Ita)**

[Effect of peridural anesthesia on thermoregulation in the bodies of patients after surgery on the blood vessels of the lower extremities] Kuz'menko VF, et al. **Klin Khir** 1984 Jul;(7):40–3 (Eng. Abstr.) **(Rus)**

THERAPY

Non–invasive circulatory evaluation and electro–acupuncture & TES treatment of diseases difficult to treat in Western medicine. Omura Y. **Acupunct Electrother Res** 1983;8(3–4):177–256

Embolotherapy in vascular disease. White RI Jr. **AJR** 1984 Jan;142(1):27–30

Advances in management of peripheral vascular disease. Barnes RW. **J Arkansas Med Soc** 1984 Jun;81(1):88–93

Vascular disease. Kahn A Jr. **J Arkansas Med Soc** 1983 Oct; 80(5):222–5

Peripheral vascular disease. Briggs SE. **J Ky Med Assoc** 1983 Sep;81(9):711–4

Transluminal angioplasty for peripheral vascular disease [letter] **N Engl J Med** 1984 Jun 14;310(24):1607–8

The cost of underutilization. Percutaneous transluminal angioplasty for peripheral vascular disease. Doubilet P, et al. **N Engl J Med** 1984 Jan 12;310(2):95–102

Clinical comparison of elastic supports for venous diseases of the lower limb. Gandhi DB, et al. **Postgrad Med J** 1984 May;60(703):349–52

[Possibilities of catheterization treatment of cardiac and vascular diseases] Fabián J, et al. **Vnitr Lek** 1983 Dec; 29(12):1202–9 (Eng. Abstr.) **(Cze)**

[A predictive thermographic test of the effect of lumbar sympathectomy] Delcour C, et al. **J Mal Vasc** 1984; 9(1):35–7 (Eng. Abstr.) **(Fre)**

[Experimental monitoring of the effects of hand and foot douches at Barbotan on peripheral circulation] Garreau C. **Phlebologie** 1983 Jul–Sep;36(3):265–70 (Eng. Abstr.) **(Fre)**

[Treatment of autoimmune diseases of the arteries of the extremities with infusions of autohemolysate] Savel'ev VS, et al. **Klin Khir** 1984 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

VETERINARY

Vascular pathology in phenylbutazone intoxicated horses. Meschter CL, et al. **Cornell Vet** 1984 Jul;74(3):282–97

VASCULAR HEADACHE

BLOOD

Erythrocyte choline concentrations and cluster headache. de Belleroche J, et al. **Br Med J [Clin Res]** 1984 Jan 28; 288(6413):268–70

[Blood testosterone levels in patients with Horton's headache] Klimek A. **Neurol Neurochir Pol** 1983 Jul–Aug; 17(4):459–63 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Sleep apnea in cluster headache. Kudrow L, et al. **Cephalalgia** 1984 Mar;4(1):33–8

Cluster headache with trigeminal neuralgia. An uncommon association that may be more than coincidental. Diamond S, et al. **Postgrad Med** 1984 Feb 1;75(2):165–72

DIAGNOSIS

Histamine skin test in cluster headache: effects of dihydroergotamine with timed release. Giacovazzo M, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:171–4

Case report: chronic cluster headache with unusual high frequency of attacks. Differential diagnosis with CPH. Bogucki A, et al. **Headache** 1984 May;24(3):150–1

Ultrasonic Doppler flow in migraine and cluster headache. Schroth G, et al. **Headache** 1983 Nov;23(6):284–8

[Informational value of rheoencephalography in functional headaches] Mil'ke U. **Zh Nevropatol Psikhiatr** 1983; 83(8):1149–53 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

How to treat migraine. Peatfield R. **Br J Hosp Med** 1984 Feb;31(2):142–4

Background vascular headache: relief with indomethacin. Boghen D, et al. **Can J Neurol Sci** 1983 Nov;10(4):270–1

Does lithium balance the neuronal bilateral asymmetries in cluster headache? Fanciullacci M, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:85–7

Planned release dihydroergotamine in common migraine and 'tension–vascular headache': multicentre clinical trial. Fontanari D, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:189–91

Lithium salts in cluster headache treatment. Savoldi F, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:79–84

Substance P and endogenous opioids: how and where they could play a role in cluster headache. Sicuteri F, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:143–5

Clinical effectiveness of calcium entry blockers in prophylactic treatment of migraine and cluster headaches. Meyer JS, et al. **Headache** 1983 Nov;23(6):266–77

Lithium carbonate has no measurable effect on cerebral hemodynamics in cluster headaches. Okayasu H, et al. **Headache** 1984 Jan;24(1):1–4

Ketotifen in the treatment of chronic cluster headache. Split W, et al. **Headache** 1984 May;24(3):147–9

Indomethacin–responsive episodic cluster headache. Geaney DP. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):860–1

Pain relief by somatostatin in attacks of cluster headache. Sicuteri F, et al. **Pain** 1984 Apr;18(4):359–65

[Indomethacin–sensitive variant of migrainous neuralgia] Aver'ianov IuN, et al. **Zh Nevropatol Psikhiatr** 1983;

83(12):1796–800 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Kinetics and thermolability of platelet monoamine oxidase in cluster headache and migraine. Waldenlind E, et al. **Cephalalgia** 1984 Jun;4(2):125–34

Migraine and cluster headache: links between platelet monoamine oxidase activity, smoking and personality. Littlewood JT, et al. **Headache** 1984 Jan;24(1):30–4

Pressor sensitivity to tyramine in patients with headache: relationship to platelet monoamine oxidase and to dietary provocation. Peatfield R, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):827–31

ETIOLOGY

Hypertension, vascular headaches, and seizures after carotid endarterectomy. Case report and therapeutic considerations. Dolan JG, et al. **Arch Intern Med** 1984 Jul; 144(7):1489–91

Cluster headache developing following ipsilateral orbital exenteration. McKinney AS. **Headache** 1983 Nov; 23(6):305–6

Symptoms of vascular headache triggered by intracranial hypertension. Solomon S, et al. **Headache** 1983 Nov; 23(6):307–12

FAMILIAL & GENETIC

HLA–B14 antigen in cluster headache. Martelletti P, et al. **Headache** 1984 May;24(3):152–4

METABOLISM

Endocrinological responses in cluster headache. Boiardi A, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):956–8

PATHOLOGY

Mast cells in cluster headache. Ultrastructure, release pattern and possible pathogenetic significance. Liberski PP, et al. **Cephalalgia** 1984 Jun;4(2):101–6

PHYSIOPATHOLOGY

The neurobiology of vascular head pain. Moskowitz MA. **Ann Neurol** 1984 Aug;16(2):157–68

Coexistence of pupillary and heart sympathergic asymmetries in cluster headache. Boccuni M, et al. **Cephalalgia** 1984 Mar;4(1):9–15

Tomographic determination of cerebral blood flow during attacks of cluster headache. Krabbe AA, et al. **Cephalalgia** 1984 Mar;4(1):17–23

A possible role of the carotid body in the pathogenesis of cluster headache. Kudrow L. **Cephalalgia** 1983 Dec; 3(4):241–7

Autonomic disorders in cluster headache, with special reference to salivation, nasal secretion and tearing. Saunte C. **Cephalalgia** 1984 Mar;4(1):57–64

Cluster headache: on the mechanism behind attack–related sweating. Saunte C, et al. **Cephalalgia** 1983 Sep;3(3):175–85

Cluster headache: unilaterality as demonstrated by ictal forehead sweating. Sjaastad O. **Cephalalgia** 1983 Aug;3 Suppl 1:88–90

Nasal smears in cluster headache patients [letter] Selmaj K, et al. **Headache** 1984 Mar;24(2):120

A very complex headache. Morse RH. **J La State Med Soc** 1983 Oct;135(10):37–40

SURGERY

The surgical treatment of chronic cluster headache. Watson CP, et al. **Headache** 1983 Nov;23(6):289–95

[Surgical treatment of Horton's headache or neuralgia of the greater superficial petrosal nerve] Haftek J, et al. **Neurol Neurochir Pol** 1983 Mar–Apr;17(2):301–4 (Eng. Abstr.) (Pol)

THERAPY

Blood volume pulse biofeedback treatment of chronic cluster headache. Hoelscher TJ, et al. **Biofeedback Self Regul** 1983 Dec;8(4):533–41

Home– versus clinic–based treatment of vascular headache. Jurish SE, et al. **J Consult Clin Psychol** 1983 Oct; 51(5):743–51

[Pain tolerance and the effect of the treatment of headache by pinpoint stimulation of receptors] Zaleska B. **Neurol Neurochir Pol** 1983 Sep–Oct;17(5):541–5 (Eng. Abstr.) (Pol)

VASCULAR RESISTANCE

Hypertension and the arterial wall. Rorive GL, et al. **Acta Clin Belg** 1983;38(6):353–9

Changes in stenosis resistance and myocardial blood flow after a brief coronary occlusion in the dog. Saito D, et al. **Acta Med Okayama** 1983 Oct;37(5):423–9

Comparative vascular effects of stimulation continuously and in bursts of the sympathetic nerves to cat skeletal muscle. Andersson PO. **Acta Physiol Scand** 1983 Aug;118(4):343–8

Sympathetico–adrenergic influences on the small intestinal vascular reactions in experimental septic shock. Falk A, et al. **Acta Physiol Scand** 1983 Dec;119(4):373–9

Structurally based changes of renal vascular reactivity in spontaneously hypertensive and two–kidney, one–clip renal hypertensive rats, as compared with kidneys from uninephrectomized and intact normotensive rats. Göthberg G, et al. **Acta Physiol Scand** 1983 May;118(1):61–7

Disparate cardiovascular effects of obesity and arterial hypertension [letter] El–Mallakh RS. **Am J Med** 1984 May; 76(5):A85, A113

Effect of increased pulmonary vascular resistance on right ventricular systolic performance in dogs. Ghignone M, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H339–43

Baroreflex regulation of hindquarter vascular resistance during acute blood volume expansion. Guo GB, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):H74–9

Stimulation of pancreatic afferents reflexly activates the cardiovascular system in cats. Ordway GA, et al. **Am J Physiol** 1983 Dec;245(6):R820–6

Myocardial cell volume and coronary resistance during diminished coronary perfusion. Powers ER, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):H467–77

Total body vascular capacitance changes during high intracranial pressure in dogs. Stein PM, et al. **Am J Physiol** 1983 Dec;245(6):H947–56

Pial vessel caliber and cerebral blood flow during hemorrhage and hypercapnia in the rabbit. Tuor UI, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H40–51

Cardiovascular adjustments to various degrees of acute isocapnic hypoxia in dogs. Tucker A, et al. **Am J Vet Res** 1984 Jan;45(1):104–8

Platelet–activating factor raises airway and vascular pressures and induces edema in lungs perfused with platelet–free solution. Hamasaki Y, et al. **Am Rev Respir Dis** 1984 May; 129(5):742–6

Effect of acute hypoxia on airway and vascular exchangeable lung water spaces in dogs. Peterson BT, et al. **Am Rev Respir Dis** 1984 May;129(5):772–9

Hemodynamic consequences of severe pancreatitis [letter] Archie JP Jr. **Ann Surg** 1984 Apr;199(4):486

Congenital diaphragmatic hernia: association between pulmonary vascular resistance and plasma thromboxane concentrations. Ford WD, et al. **Arch Dis Child** 1984 Feb; 59(2):143–6

The trophic influence of sympathetic nerves on rabbit ear vasculature is absent in coarctation hypertension. Mueller SM, et al. **Artery** 1983;11(5):345–60

Reduced resistances of septal artery collateral channels after cardiac sympathectomy. Scheel KW, et al. **Basic Res Cardiol** 1983 Jul–Aug;78(4):373–83

Effects of locus coeruleus stimulation on carotid vascular resistance in the cat. Goadsby PJ, et al. **Brain Res** 1983 Nov 14;278(1–2):175–83

Steady state and instantaneous pressure–flow relationships: characterisation of the canine abdominal periphery. Braakman R, et al. **Cardiovasc Res** 1983 Oct;17(10):577–88

Long–term responses of atrial rate and peripheral resistance to changes in ventricular pacing rate in awake dogs with atrioventricular block. Fisher SJ, et al. **Circ Res** 1984 Feb; 54(2):196–203

The effect of coronary inflow pressure on coronary vascular resistance in the isolated dog heart. Hanley FL, et al. **Circ Res** 1984 Jun;54(6):760–72

Effect of arterial impedance changes on the end–systolic pressure–volume relation. Maughan WL, et al. **Circ Res** 1984 May;54(5):595–602

Modified Starling heart–lung preparation for measuring coronary vascular resistance. Abel FL, et al. **Circ Shock** 1984;12(3):155–64

Effects of hydralazine and nitroprusside on cardiopulmonary function when a decrease in cardiac output complicates a short–term increase in pulmonary vascular resistance. Lee KY, et al. **Circulation** 1983 Dec;68(6):1299–303

Effect of high blood pressure stress on vascular adrenergic responsiveness in the spontaneously hypertensive rat. Soltis EE, et al. **Clin Exp Hypertens [A]** 1984;6(7):1237–55

Reversal of renovascular hypertension. Swales JD, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):239–51

Calf vascular resistance in middle–aged subjects with mild chronic hypertension. Romanovská L, et al. **Cor Vasa** 1983; 25(3):177–84

Thyroid hormones and arterial distensibility in man. Felt V, et al. **Czech Med** 1984;7(2):90–9

Effect of long–term limitation of human muscular activity in the antiorthostatic position on the skin capillary system. Panferova NE, et al. **Hum Physiol** 1983 Sep–Oct;9(5):333–6

Assessment of the contributions of autoregulatory mechanisms to the antihypertensive actions of beta–adrenergic therapy. Cowley AW Jr. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):137–9

Spontaneous arteriolar vasomotion as a determinant of peripheral vascular resistance. Funk W, et al. **Int J Microcirc Clin Exp** 1983;2(1):11–25

Effects of cardiac contraction on segmental coronary resistances and collateral perfusion. Heusch G, et al. **Int J Microcirc Clin Exp** 1983;2(2):131–41

Microangiodynamics, peripheral vascular resistance and the normal microcirculation. Intaglietta M, et al. **Int J Microcirc Clin Exp** 1983;2(1):3–10

Rhythmical variations in human skin blood flow. Salerud EG, et al. **Int J Microcirc Clin Exp** 1983;2(2):91–102

Pulmonary vascular resistance. A meaningless variable. Versprille A. **Intensive Care Med** 1984;10(2):51–3

Forearm arterial distensibility in systolic hypertension. Smulyan H, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):387–93

Maximum coronary blood flow and minimum coronary resistance in exercise–trained dogs. Liang IY, et al. **J Appl Physiol** 1984 Mar;56(3):641–7

Low exercise pulmonary resistance is not dependent on vasodilator prostaglandins. Lindenfeld J, et al. **J Appl Physiol** 1983 Aug;55(2):558–61

Effect of hypoxic hypoxia on systemic vasculature. Malo J, et al. **J Appl Physiol** 1984 May;56(5):1403–10

Effect of mild atherosclerosis on flow resistance in a coronary artery casting of man. Back LH, et al. **J Biomech Eng** 1984 Feb;106(1):48–53

Sodium balance and peripheral resistance in arterial hypertension. Bianchi G, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S457–64 (45 ref.)

Decreased carotid arterial resistance in cats in response to trigeminal stimulation. Lambert GA, et al. **J Neurosurg** 1984 Aug;61(2):307–15

Norepinephrine release and vascular response elicited by nerve stimulation in rats with chronic neurogenic hypertension. Granata AR, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):187–93

Oxygen and coronary vascular resistance during autoregulation and metabolic vasodilation in the dog. Drake–Holland AJ, et al. **J Physiol (Lond)** 1984 Mar; 348:285–99

Control of nasal vasculature and airflow resistance in the dog. Lung MA, et al. **J Physiol (Lond)** 1984 Apr;349:535–51

Quantitative assessment of outflow resistance in lower extremity arterial reconstructions. Ascer E, et al. **J Surg Res** 1984 Jul;37(1):8–15

Renal artery flow velocity analysis: a sensitive measure of experimental and clinical renovascular resistance. Norris CS, et al. **J Surg Res** 1984 Mar;36(3):230–6

Effects of laser sources (argon, Nd:YAG, CO2) on the elastic resistance of the vessel wall: histological and physical study. Fasano VA, et al. **Lasers Surg Med** 1983;3(1):45–54

Effects of endurance training on coronary resistance in dogs. Carey RA, et al. **Med Sci Sports Exerc** 1983;15(5):355–9

Quantitative studies on the influence of leukocytes on the vascular resistance in a skeletal muscle preparation. Braide M, et al. **Microvasc Res** 1984 May;27(3):331–52

Effects of renal nerve stimulation on vascular resistance in the toad kidney. Morris JL. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Aug; 323(4):335–40

Enhanced alpha–adrenoceptor–mediated vasoconstriction contributes to increased vascular resistance in essential hypertension. Bolli P, et al. **Neth J Med** 1984;27(4):140–5

Hemodynamics of the juvenile dog knee in relation to increased venous outlet resistance. Bünger C, et al. **Pflugers Arch** 1983 Oct;399(2):129–33

The hepatic haemodynamic response to acute portal venous blood flow reductions in the dog. Mathie RT, et al. **Pflugers Arch** 1983 Nov;399(3):223–7

Transient changes in cerebral vascular resistance during the Valsalva maneuver in man. Greenfield JC Jr, et al. **Stroke** 1984 Jan–Feb;15(1):76–9

[Measuring device for routine intraoperative morphological–functional estimation of the peripheral outflow and terminal flow channels during operations in peripheral vascular surgery] Wagemann W, et al. **Cor Vasa** 1983;25(4):274–81 (Eng. Abstr.) (Ger)

[Experimental intravascular pressure–volume measurement for assessment of the biomechanical load tolerance of microvascular anastomoses] Brüser P, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):34–8 (Eng. Abstr.) (Ger)

[Arachidonic acid metabolites as mediators of an increase in resistance and a barrier disorder in pulmonary microcirculation] Seeger W, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:728–31 (Eng. Abstr.) (Ger)

[Noninvasive determination by Doppler flow velocity recording of changes in peripheral resistance during epidural anesthesia] Pasch T, et al. **Reg Anaesth** 1984 Apr; 7(2):51–5 (Eng. Abstr.) (Ger)

[The peripheral component during dynamic muscular exertion: study of a group of basketball players] Calsamiglia G, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):589–93 (Eng. Abstr.) (Ita)

[Readjustment of peripheral factors during the unsteady–state phase of dynamic muscular exercise] Calsamiglia G, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):891–6 (Eng. Abstr.) (Ita)

[Hemodynamic mechanisms of essential arterial hypertension] Dagianti A. **Boll Soc Ital Cardiol** 1982;27(7):651–68 (34 ref.) (Ita)

[Effects of the cold pressor test and mental stress on coronary flow and resistance in patients with angina pectoris] De Servi S, et al. **G Ital Cardiol** 1984 May;14(5):305–11 (Eng. Abstr.) (Ita)

[Mechanisms of increased arterial pressure in old age] Tokar AV. **Fiziol Zh** 1984 Jan–Feb;30(1):64–9 (Eng. Abstr.) (Rus)

[Changes in the resistance of cerebral vessels following intracerebral hemorrhage] Plotnikov MB, et al. **Patol Fiziol Eksp Ter** 1983 Nov–Dec;(6):42–5 (Eng. Abstr.) (Rus)

[Dynamics of the elastotonic characteristics of cerebral and peripheral vessels during treatment with reflexotherapy] Monaenkov AM, et al. **Sov Med** 1984;(2):49–52 (Eng. Abstr.) (Rus)

[Orthostatic resistance in sailors during voyages in arctic and

tropical regions] Kushnirenko EA, et al. **Voen Med Zh** 1983 Sep;(9):43–5 **(Rus)**

[Factors affecting vascular tonus in nonspecific lung diseases] Lazidi GKh, et al. **Vrach Delo** 1984 Feb;(2):17–2[illegible] (Eng. Abstr.) **(Rus)**

[Blood supply function and the tonus of the cerebral vessels in cervical sympathetic ganglionitis] Bulygin IA, et al. **Zh Nevropatol Psikhiatr** 1984;84(7):1045–50 (Eng. Abstr.) **(Rus)**

[Vascular resistance response to increased outflow venous pressure in the isolated and intact small intestine] Török J, et al. **Bratisl Lek Listy** 1984 Mar;81(3):282–93 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Effects of subpressor doses of angiotensin II on renal haemodynamics at different blood–pressure levels. Ljungman S, et al. **Acta Med Scand [Suppl]** 1983;677:93–6

Microsphere analysis of beta 2–adrenergic control of resistance in different vascular areas after hemorrhage. Gustafsson D, et al. **Acta Physiol Scand** 1984 Jun; 121(2):119–26

Regional cerebral, ocular and peripheral vascular effects of naloxone and morphine in unanesthetized rabbits. Koskinen LO, et al. **Acta Physiol Scand** 1983 Nov;119(3):235–41

Influence of adenosine on the vascular responses to sympathetic nerve stimulation in the canine subcutaneous adipose tissue. Sollevi A, et al. **Acta Physiol Scand** 1983 Sep;119(1):15–24

Segmental distribution of vascular resistances during ureteral occlusion. The vasoconstrictive effects of angiotensin and CaCl2 differ from those of catecholamines and renal nerve stimulation. Vikse A, et al. **Acta Physiol Scand** 1983; 119(2):147–58

Captopril–induced changes in large arteries in essential hypertension. Simon AC, et al. **Am J Med** 1984 May 31; 76(5B):71–5

Immediate regional blood flow distribution following angiotensin converting enzyme inhibition in patients with essential hypertension. Ventura HO, et al. **Am J Med** 1984 May 31;76(5B):58–61

Fentanyl and cerebral vascular responsivity in dogs. McPherson RW, et al. **Anesthesiology** 1984 Mar;60(3):180–6

The effect of dihydroergotamine on venous distensibility and blood pressure in idiopathic orthostatic hypotension. Bellamy GR, et al. **Aust NZ J Med** 1984 Apr;14(2):157–9

Effects of vasoactive stimuli on coronary vascular resistance in isolated perfused rabbit hearts: no vasospastic response to ergonovine with or without atherogenic diet. von Arnim T, et al. **Basic Res Cardiol** 1983 Jul–Aug;78(4):415–22

Cardiovascular and renal effects of isoproterenol infusions in young swine. Buckley NM, et al. **Biol Neonate** 1984; 45(2):69–77

Increased forearm vascular resistance after dopamine blockade. Mannering D, et al. **Br J Clin Pharmacol** 1984 Apr;17(4):373–8

Effect of treatment with chlorthalidone and atenolol on response to dilator agents in the forearm resistance vessels of men with primary hypertension. Robinson BF, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):327–32

Effects of pirbuterol and sodium nitroprusside on pulmonary haemodynamics in hypoxic cor pulmonale [letter] Green DW. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):233

Blockade of GABA receptors in periventricular forebrain of anesthetized cats: effects on heart rate, arterial pressure, and hindlimb vascular resistance. Schmidt B, et al. **Brain Res** 1984 May 28;301(1):111–9

Changes in total and transmural coronary blood flow induced by ethanol. Pescio S, et al. **Cardiovasc Res** 1983 Oct; 17(10):604–7

Effect of aminophylline on coronary reactive and functional hyperaemic response in conscious dogs. Radford MJ, et al. **Cardiovasc Res** 1984 Jun;18(6):377–83

Blockade of central nervous system GABAergic tone causes sympathetic–mediated increases in coronary vascular resistance in cats. Segal SA, et al. **Circ Res** 1984 Sep; 55(3):404–15

Studies in cryoprotection. I. A simple method for the controlled introduction and removal of cryoprotective agents during organ perfusion. Collins GM, et al. **Cryobiology** 1984 Feb;21(1):1–[illegible]

Altered vascular reactivity and baroreflex sensitivity induced by chronic central administration of captopril in the spontaneously hypertensive rat. Berecek KH, et al. **Hypertension** 1983 Sep–Oct;5(5):689–700

Structural factors: the vascular wall. Consequences of treatment. Folkow B. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III58–62

Hemodynamic response: decrease in cardiac output vs reduction in vascular resistance. Lund–Johansen P. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III49–57

Effects of the automated management of hypertension after open heart surgery. The relevance of the initial systemic vascular resistance as index for predicting hemodynamic response to computer–controlled nitroprusside infusion. Pomer S, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Apr;22(4):207–13

Effects of trapidil on forearm veins and arteries in man. Noguchi K, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct; 5(5):768–72

Effects of dopamine (DA) and SKF 82526, a selective DA1–receptor agonist, on vascular resistances in the canine forelimb. Grega GJ, et al. **J Pharmacol Exp Ther** 1984 Jun; 229(3):756–62

Effect of exogenous adenosine on resistance, capillary permeability–surface area and flow in ischemic canine myocardium. Overholser KA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):148–53

Effects of vasodilators on the systemic capacitance vessels, a study with the measurement of the mean circulatory pressure in dogs. Ito H, et al. **Jpn Circ J** 1984 Apr; 48(4):388–404

Effects of meclofenamate on pulmonary vascular resistance correlate with postnatal age in young piglets. Redding GJ, et al. **Pediatr Res** 1984 Jul;18(7):579–83

Circulatory effects of VIP in anesthetized man. Thulin L, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):319–23

The effect of Cavinton on cerebrovascular resistance and its use in ophthalmological patients. A double–blind trial. Imre G, et al. **Ther Hung** 1981;29(3):120–3

[Nicardipine: vascular compliance and development of genetic hypertension in the SHR rat] Maury M, et al. **J Pharmacol** 1984 Apr–Jun;15(2):157–67 (Eng. Abstr.) **(Fre)**

[Effect of pentoxyfylline and xanthinol nicotinate on the overall blood pressure and tonus of cerebral and peripheral vessels] Gaevyi MD, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):53–7 (Eng. Abstr.) **(Rus)**

[Effect of nitroglycerin on the calcium mechanism regulating the tonus of large and small coronary arteries] Shishkin SB, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):50–3 (Eng. Abstr.) **(Rus)**

[Effect of vasodilators on the resistance vessels of the forearm in patients with essential hypertension] Robinson BF. **Rev Esp Cardiol** 1983;36(6):469–71 (Eng. Abstr.) **(Spa)**

VASCULAR SURGERY

Peritoneovenous shunts: predictive factors of early treatment failure. Gleysteen JJ, et al. **Am. J Gastroenterol** 1984 Aug; 79(8):654–8

Shunting malignant ascites. Klopp A. **Am J Nurs** 1984 Feb; 84(2):212–3

Nutrition and immunity after peritoneovenous drainage of intractable ascites in cirrhotic patients. Franco D, et al. **Am J Surg** 1983 Nov;146(5):652–7

Influence of dryness of the vessel on its patency. Takayanagi S, et al. **Ann Plast Surg** 1984 Jun;12(6):525–7

Effects of prophylactic antibiotics in vascular surgery. A prospective, randomized, double–blind study. Hasselgren PO, et al. **Ann Surg** 1984 Jul;200(1):86–92

Peritoneovenous shunt therapy for leaking ascites in the cirrhotic patient. O'Connor M, et al. **Ann Surg** 1984 Jul; 200(1):66–9

An audit in cardiovascular surgery. Mullany CJ, et al. **Aust Clin Rev** 1983 Dec;(11):6–8

The uses and abuses of life–table methods in vascular surgery. Underwood CJ, et al. **Br J Surg** 1984 Jul;71(7):495–8

Morbidity in diabetic and non–diabetic patients after major vascular surgery. Hjortrup A, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1107–8

Regular reinfusion of ascites during haemodialysis in a patient with amyloidosis [letter] Rotellar E, et al. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1304

Mechanisms of human tumor metastasis studied in patients with peritoneovenous shunts. Tarin D, et al. **Cancer Res** 1984 Aug;44(8):3584–92

Effect of temporary subdural–peritoneal shunt on subdural effusion with subarachnoid effusion. Tsubokawa T, et al. **Childs Brain** 1984;11(1):47–59

Effects of laser irradiation on human erythrocytes: considerations concerning clinical laser angioplasty. Theis JH, et al. **Clin Cardiol** 1983 Aug;6(8):396–8

Autologous blood collection in abdominal vascular surgery. Assessment of a low pressure blood salvage system with particular reference to the preservation of cellular elements, triglyceride, complement and bacterial content in the collected blood. Andrews NJ, et al. **Clin Lab Haematol** 1983;5(4):361–70

Observations on the radionuclide assessment of peritoneovenous shunt patency. Rosenthall L, et al. **Clin Nucl Med** 1984 Apr;9(4):227–35

Failure of peritoneojugular shunt after injection sclerotherapy [letter] Kaufman B, et al. **Gastrointest Endosc** 1983 Nov;29(4):323–4

Laparoscopy in a patient with LeVeen shunt: prevention of air embolism. Kozarek RA, et al. **Gastrointest Endosc** 1984 Jun;30(3):193–5

Influence of operative trauma on factor XII and inhibitor of plasminogen activator. Hedner U, et al. **Haemostasis** 1983;13(4):219–26

Absence of metastatic sequelae during long–term treatment of malignant ascites by peritoneo–venous shunting. A clinico–pathological report. Tarin D, et al. **Invasion Metastasis** 1984;4(1):1–12

Listeria bacteremia and peritonitis associated with a peritoneovenous shunt: successful treatment with sulfamethoxazole and trimethoprim. Winslow DL, et al. **J Infect Dis** 1984 May;149(5):820

The histopathology of microvascular anastomosis: a study of the incidence of various tissue changes. Chow SP. **Microsurgery** 1983;4(1):5–9

Treatment of refractory ascites in hemodialysis patient with peritoneovenous shunt (Denver shunt). Giannone G, et al. **Mt Sinai J Med (NY)** 1983 May–Jun;50(3):256–7

Peritoneovenous shunt in treatment of ascites in patients with cirrhosis. A preliminary report with special reference to pathophysiology. Henriksen JH, et al. **Scand J Gastroenterol** 1983 May;18(4):529–35

Generated pulses. Bekeny JR, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):377

The role of intraoperative heparin in reducing the incidence of postoperative deep venous thrombosis. Byrne P, et al. **Surg Gynecol Obstet** 1984 May;158(5):419–22

Presidential address: the development and purpose of a regional vascular society. Ernst CB. **Surgery** 1983 Nov; 94(5):729–35

Incidental asymptomatic carotid bruits in patients scheduled for peripheral vascular reconstruction: results of cerebral and coronary angiography. Hertzer NR, et al. **Surgery** 1984 Sep;96(3):535–44

Exclusion angiography for patients with possible vascular injuries of the extremities—a better use of trauma center resources. Sirinek KR, et al. **Surgery** 1983 Oct; 94(4):598–603

Perioperative infection prophylaxis in vascular surgery—a randomized prospective study. Salzmann G. **Thorac Cardiovasc Surg** 1983 Aug;31(4):239–42

Chylous ascites after retroperitoneal lymphadenectomy: successful management with peritoneovenous shunt. Selli C, et al. **Urol Int** 1984;39(1):58–60

[The role of transluminal angioplasty in vascular surgery (editorial)] du Toit DF, et al. **S Afr Med J** 1984 Aug 4; 66(5):162 **(Afr)**

[Monitoring the acid–base equilibrium, pO2 and the hematocrit during vascular reconstruction] Jabor A, et al. **Rozhl Chir** 1984 Jan;63(1):22–8 (Eng. Abstr.) **(Cze)**

[Personal experience with the use of hemodilution and autotransfusion in surgery] Valenta J, et al. **Rozhl Chir** 1984 Jan;63(1):51–4 (Eng. Abstr.) **(Cze)**

[Epidural analgesia in peripheral vascular surgery] Hüttel MS, et al. **Ugeskr Laeger** 1984 Apr 9;146(15):1121–3 (Eng. Abstr.) **(Dan)**

[Prevention of pulmonary edema by nitroglycerin after peritoneojugular shunt with a Leveen valve] Arnould JF, et al. **Ann Fr Anesth Reanim** 1983;2(6):436–7 **(Fre)**

[Prevention of early thromboses after arterial surgery by intraoperative Doppler flow measurement] Becquemin JP, et al. **Ann Radiol (Paris)** 1983 Apr–May;26(4):319–23 (Eng. Abstr.) **(Fre)**

[Evaluation of vascular surgery by subtraction angiography. Study of 127 patients] Frija G, et al. **Ann Radiol (Paris)** 1983 Nov;26(7):589–93 (Eng. Abstr.) **(Fre)**

[Value of digital angiography in the follow–up of vascular reconstructive surgery] Magotteaux P, et al. **J Belge Radiol** 1983;66(4):259–64 (Eng. Abstr.) **(Fre)**

[Evaluation of vascular surgery with digital subtraction angiography. A study of 127 patients] Frija G, et al. **Sem Hop Paris** 1984 Mar 29;60(14):973–7 (Eng. Abstr.) **(Fre)**

[Preventive use of antibiotics in vascular surgery] Vollmar J, et al. **Chirurg** 1984 Apr;55(4):227–31 **(Ger)**

[Peritoneovenous shunt in the treatment of therapy resistant ascites. Results of 7 years' experience] Zühlke HV, et al. **Chirurg** 1984 Apr;55(4):253–9 (Eng. Abstr.) **(Ger)**

[Measuring device for routine intraoperative morphological–functional estimation of the peripheral outflow and terminal flow channels during operations in peripheral vascular surgery] Wagemann W, et al. **Cor Vasa** 1983;25(4):274–81 (Eng. Abstr.) **(Ger)**

[Peritoneovenous shunt in the treatment of refractory ascites] Sehnert W, et al. **Med Welt** 1984 Jan 27;35(4):120–4 **(Ger)**

[Peritovenous shunt (Denver Shunt) in therapy resistant ascites in childhood] Teufel M, et al. **Monatsschr Kinderheilkd** 1983 Sep;131(9):603–6 (Eng. Abstr.) **(Ger)**

[Intravenous subtraction angiography as a control examination following blood vessel surgery] Jenss H, et al. **Radiologe** 1984 Apr;24(4):177–81 (Eng. Abstr.) **(Ger)**

[Possibilities of ascites draining in childhood] Menardi G, et al. **Z Kinderchir** 1984 Feb;39(1):19–24 (Eng. Abstr.) **(Ger)**

[Problems and limitations in reconstructing peripheral artery injuries] Haug M, et al. **Zentralbl Chir** 1983;108(22):1407–13 (Eng. Abstr.) **(Ger)**

[Anti–platelet aggregation therapy in vascular microsurgery: experimental study with sulfinpyrazone] Gaspari A, et al. **Ann Ital Chir** 1983;55(1):89–94 **(Ita)**

[Evaluation of run–off as a preliminary step in angiosurgery] Mascoli F, et al. **Minerva Cardioangiol** 1984 Jan–Feb; 32(1–2):5–8 (Eng. Abstr.) **(Ita)**

[Angiographic evaluation of the patency of vascular microanastomoses] Riccardelli F, et al. **Minerva Chir** 1983 Aug 15–31;38(15–16):1197–200 (Eng. Abstr.) **(Ita)**

[Evaluation of a synthetic thrombin inhibitor MD 805 as an anticoagulant after open heart and vascular surgery] Sugawara H, et al. **Kyobu Geka** 1983;36(7):533–7 (Eng. Abstr.) **(Jpn)**

[Suture materials in pulmonary and vascular surgery] Andersen KS, et al. **Tidsskr Nor Laegeforen** 1984 Feb 29; 104(6):406–8 (Eng. Abstr.) **(Nor)**

[Intraoperative use of ultrasonography for the detection of vascular defects] Coelho JC, et al. **AMB** 1983 Mar–Apr; 29(3–4):71–3 (Eng. Abstr.) **(Por)**

[Retransfusion of ascites fluid in cirrhotic patients, using external peritoneovenous and peritoneopulmonary shunts (personal technic)] Mircea N, et al. **Rev Chir [Chir]** 1984 Jan–Feb;33(1):45–54 (Eng. Abstr.) **(Rum)**

[Acute postoperative thrombosis of the aorta, its branches and the major veins in emergency vascular surgery] Avgust VK. **Klin Khir** 1983 Jul;(7):65–7 **(Rus)**

[Inferior shoulder skin–adipose flap for microvascular plasty of tissue defects] Driuk NF, et al. **Klin Khir** 1983 Jul; (7):55–8 (Eng. Abstr.) **(Rus)**

[Use of baralgin in the treatment of the ischemic pain syndrome and as a component of general anesthesia in angiosurgery] Ivaniushko VL. **Klin Khir** 1983 Jul;(7):72 **(Rus)**

[Experimental study of microsurgical atraumatic suture materials, Metallatraum and Ethilon] Mishalov VG, et al. **Klin Khir** 1984 Jan;(1):36–9 (Eng. Abstr.) **(Rus)**

[Regional anticoagulant therapy after microvascular surgery with permanent intra–arterial administration of heparin] Belousov AE, et al. **Vestn Khir** 1984 Apr;132(4):54–7 (Eng. Abstr.) **(Rus)**

[Covering of skin defects of the hand by a free skin–adipose tissue flap with microvascular anastomosis] Stepanov GA, et al. **Vestn Khir** 1983 Sep;131(9):122–3 **(Rus)**

[National Congress of Angiology and Vascular Surgery and 30th Spanish Angiology Sessions. 31 May–2 June 1984, Seville (Spain). Abstracts] **Angiologia** 1984 Jul–Aug; 36(4):135–61 **(Spa)**

[National Congress of Angiology and Vascular Surgery. 29th Spanish Angiology Seminar. 29 May–1 June 1983, Oviedo (Spain). Abstracts] **Angiologia** 1983 Sep–Oct;35(5):205–36 **(Spa)**

[Surgical treatment possibilities in peripheral arterial disease] Eriksson I. **Nord Med** 1984;99(2):38–42 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

Pharmacological prevention of thrombotic occlusion in arterial reconstructive surgery. Bergqvist D. **Acta Chir Scand** 1983;149(8):721–7 (34 ref.)

Incidence of saphenous neuralgia in arterial surgery. Røder OC, et al. **Acta Chir Scand** 1984;150(1):23–4

Multiple intracardiac masses complicating peritoneo–venous (LeVeen) shunt. Pietro DA, et al. **Am Heart J** 1984 Sep; 108(3 Pt 1):606–8

Streptococcus pneumoniae meningitis in two patients with peritoneovenous shunts. Camara DS, et al. **Am J Gastroenterol** 1984 Apr;79(4):287–90

Outcome after peritoneo–jugular shunting of pancreatic ascites. Jones AM, et al. **Am Surg** 1984 Jul;50(7):386–9

Post–arterial reconstruction edema, are lymphatic channels to blame? Fernandez MJ, et al. **Angiology** 1984 Aug; 35(8):475–9

Peritoneovenous shunt occlusion. Etiology, diagnosis, therapy. LeVeen HH, et al. **Ann Surg** 1984 Aug; 200(2):212–23

LeVeen shunt endocarditis [letter] Van Wyck DB, et al. **Arch Intern Med** 1984 Apr;144(4):868–9

Central venous thrombosis and embolism associated with peritoneovenous shunts. Foley WJ, et al. **Arch Surg** 1984 Jun;119(6):713–20

Peritoneovenous shunts. Lessons learned from an eight–year experience with 70 patients. Fulenwider JT, et al. **Arch Surg** 1984 Oct;119(10):1133–7

Development of tumor along the track of a peritoneovenous shunt [letter] Khoury GG, et al. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1237

Clinicopathological observations on metastasis in man studied in patients treated with peritoneovenous shunts. Tarin D, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):749–51

Cardiac complications in vascular procedures: comparison of percutaneous angioplasty and surgery. Mohr R, et al. **Cathet Cardiovasc Diagn** 1983;9(4):339–43

Sexual function after aorto–iliac vascular reconstruction. Which is more important, the internal iliac artery or hypogastric nerve? Ohshiro T, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):47–50

Re: Obstructive uropathy—a potentially serious complication of reconstructive vascular surgery [letter] Kaufman J. **J Urol** 1984 Apr;131(4):770

Nonsurgical relief of venous limb thrombosis in a Denver shunt [letter] McDaniel MD, et al. **JAMA** 1984 Sep 14; 252(10):1282–3

'Lithiasis' of the tricuspid valve associated with superior vena caval thrombosis and a LeVeen shunt: case report. Reyes CV, et al. **Milit Med** 1984 Apr;149(4):213–5

Liver abscess: complication of a ventriculoperitoneal shunt. Fisher RA, et al. **Neurosurgery** 1984 Apr;14(4):480–2

Complication of peritoneovenous shunt. Au FC, et al. **Penn Med** 1983 Jun;86(6):36, 38

Small bowel obstruction caused by the abdominal cocoon syndrome: possible association with the LeVeen shunt. Cambria RP, et al. **Surgery** 1984 Apr;95(4):501–3

Colonic perforation as a complication of peritoneovenous shunt: a case report. Rosenman JE, et al. **Surgery** 1984 May; 95(5):619–21

[Where do we seek the causes of complications in vascular surgery?] Černý J, et al. **Rozhl Chir** 1983 Dec;62(12):837–40 (Eng. Abstr.) **(Cze)**

[Evaluation of surgical infection in vascular and thoracic surgery. Prospective study of 2304 cases with special reference to type of operation and different types of infections] Andreassian B, et al. **Chirurgie** 1983;109(7):580–7 (Eng. Abstr.) **(Fre)**

[Suffocant hydrothorax after placing of a Leveen valve] Laizet L, et al. **LARC Med** 1983 Aug–Sep;3(7):478–9 **(Fre)**

[Axillary and subclavian vein thrombosis in LeVeen shunt (letter)] Gmähle E. **Dtsch Med Wochenschr** 1984 Jan 6; 109(1): 36 **(Ger)**

[The tourniquet syndrome as limiting factor in the reconstruction of injured arteries] Heinrich P, et al. **Zentralbl Chir** 1983;108(18):1151–4 (Eng. Abstr.) **(Ger)**

[Disorders of blood coagulation during and after arterial vascular reconstruction] Heinrichs C. **Zentralbl Chir** 1983; 108(18):1129–36 (Eng. Abstr.) **(Ger)**

[Surgical treatment of refractory ascites with peritoneovenous shunt and its complications] Brescia A, et al. **Ann Ital Chir** 1983;55(4):385–93 (Eng. Abstr.) **(Ita)**

[Devascularization of the stomach and its consequences] Khokholia VP. **Klin Khir** 1983 Jul;(8):72–6 (48 ref.) **(Rus)**

[Surgical wound infection in an angiology and vascular surgery service] Pujadas J, et al. **Angiologia** 1984 Sep–Oct; 36(5):219–27 (Eng. Abstr.) **(Spa)**

EDUCATION

The foliage leaf in microvascular surgery. Kaufman T, et al. **Microsurgery** 1984;5(1):57–8

A microvascular surgical practice disc for beginners. Lee S, et al. **Microsurgery** 1983;4(1):67–9

A portable microvascular laboratory for the office. Sukoff MH, et al. **Microsurgery** 1983;4(1):71–4

HISTORY

John Hunter, velvet and vascular surgery. Murley R. **Ann R Coll Surg Engl** 1984 May;66(3):214–8

[N. I. Krakovskii (on his 80th birthday)] Zolotorevskii VIa. **Sov Med** 1983;(10):122–5 **(Rus)**

INSTRUMENTATION

Experimental and clinical experiences with peritoneo–venous shunt (locally made Z–CI device) in the treatment of intractable ascites. Xu Z, et al. **Acta Acad Med Wuhan** 1983; 3(4):193–8

Retrograde valve incision for insitu vein–arterial bypass utilising a valvulotome. Corson JD, et al. **Ann R Coll Surg Engl** 1984 May;66(3):173–4

Mechanical and metallurgical properties of vascular clips designed for temporary use. Dujovny M, et al. **Microsurgery** 1983;4(2):124–33

An absorbable anastomotic device for microvascular surgery: experimental studies. Daniel RK, et al. **Plast Reconstr Surg** 1984 Sep;74(3):329–36

An absorbable anastomotic device for microvascular surgery: clinical applications. Daniel RK, et al. **Plast Reconstr Surg** 1984 Sep;74(3):337–42

[A new design of a phleboextractor for the surgery of varicose veins of the lower extremities] Popov P, et al. **Khirurgiia (Sofiia)** 1983;36(1):79–82 (Eng. Abstr.) **(Bul)**

[Comparative results of the use of Greenfields' filter, an umbrella filter, and a caval clip for vena cava interruption] Milleret R, et al. **J Mal Vasc** 1983;8(3):211–3 (Eng. Abstr.) **(Fre)**

[New instruments for pediatric cardiovascular surgery] Bogoliubov IuS, et al. **Med Tekh** 1983 Nov–Dec;(6):53–5 (Eng. Abstr.) **(Rus)**

[Vascular sutures using polyglycolic acid in growing arteries. Experimental study] Hernández González N, et al. **An Esp Pediatr** 1984 May;20(8):800–6 (Eng. Abstr.) **(Spa)**

METHODS

How I do it. Improved technique of profundaplasty. Pecora DV, et al. **Am Surg** 1983 Sep;49(9):500

A method of supporting venous tubing in the neck to prevent occlusion of peritoneovenous shunts. Sindelar WF, et al. **Arch Surg** 1984 Mar;119(3):349–50

Modified Blalock–Taussig operation using polytetrafluoroethylene (Impra) grafts [letter] Rossouw JJ. **Br Heart J** 1984 Feb;51(2):237–8

Vascularised nerve grafts using composite arterialised neuro–venous systems. Townsend PL, et al. **Br J Plast Surg** 1984 Jan;37(1):1–17

Microvascular patch technique with and without Silastic T–tube bypass. Haines PC. et al. **J Neurosurg** 1984 Feb; 60(2):287–95

Use of the one–piece shunting system in adults. Savitz MH, et al. **Mt Sinai J Med (NY)** 1984 Jun;51(3):271–3

Vascular injuries of the head and neck. Livingstone AS. **Otolaryngol Clin North Am** 1983 Aug;16(3):671–8

Experimental study of tissue graft vascularization by means of vascular implantation and subcutaneous burying. Tzuyao S. **Plast Reconstr Surg** 1984 Mar;73(3):403–10

Current diagnosis and management of upper extremity ischemia. Jarrett F, et al. **Surg Annu** 1983;15:207–28 (87 ref.)

Newer developments of extra–anatomic bypass. Connolly JE, et al. **Surg Gynecol Obstet** 1984 May;158(5):415–8

Budd–Chiari syndrome with thrombosis of the inferior vena cava: long–term patency of meso–caval and cavoatrial prosthetic bypass. Huguet C, et al. **Surgery** 1984 Jan; 95(1):108–11

Basic microvascular techniques and principles. Banowsky LH. **Urology** 1984 May;23(5):495–503

Surgical techniques in penile revascularization. Shaw WW, et al. **Urology** 1984 May;23(5 Spec No):76–8

Comparison of some technical modifications of the pull–through method in the creation of peripheral lymphatico–venous communications. Jacobs JW. **Vasa** 1983;12(3):270–3

[Experience with LeVeen peritoneal–venous shunt in the treatment of intractable cirrhotic ascites] Chen YR, et al. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):431–3 (Eng. Abstr.) **(Chi)**

[Microvascular anastomosis using a new method of 'intussusception' in rats] Li WQ. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):664–6 (Eng. Abstr.) **(Chi)**

[Vascularization of an autogenous free composite tissue block using vascular implantation and subcutaneous burying: an experimental study] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1983 Jul;21(7):403–6 (Eng. Abstr.) **(Chi)**

[Surgical treatment of intractable ascites] Kvist N, et al. **Ugeskr Laeger** 1983 Sep 19;145(38):2926–9 (Eng. Abstr.) **(Dan)**

[Le Veen's peritoneovenous shunts. Impact of peroperative ascites drainage on postoperative hemostasis] Laizet L, et al. **Ann Fr Anesth Reanim** 1984;3(4):322–3 **(Fre)**

[Extracorporal microvascular reconstruction of polar vessels in kidney grafts preceding transplantation] Meurisse M, et al. **Rev Med Liege** 1983 Aug 1–15;38(15–16):595–600 **(Fre)**

[Therapy of ascites by peritoneo–venous shunt] Schumpelick V, et al. **Dtsch Med Wochenschr** 1984 Jun 15;109(24):957–9 **(Ger)**

[The oncologic emergency. Surgical therapy of ascites, including tumor ascites] Merkle P. **MMW** 1984 Mar 2; 126(9):239–40 **(Ger)**

[Peritoneo–venous shunt in refractory ascites (our experience)] Martuscelli F, et al. **Minerva Chir** 1983 Oct 31;38(20):1723–6 **(Ita)**

[Extra–anatomic bypass] Holme B, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):150–2 (Eng. Abstr.) **(Nor)**

[Use of veins from the human umbilical cord in vascular surgery (review of the literature)] Andreev ID, et al. **Khirurgiia (Mosk)** 1984 May;(5):137–41 (49 ref.) **(Rus)**

[Use of umbilical cord vessels from newborn infants for human blood vessel repair] Anichkov MN, et al. **Khirurgiia (Mosk)** 1984 May;(5):109–12 **(Rus)**

[Temporary cannulation of the blood vessels (review of the literature)] Kokhan EP, et al. **Voen Med Zh** 1983 Aug; (8):33–6 **(Rus)**

MORTALITY

Patient selection and survival after peritoneovenous shunting for nonmalignant ascites. Smith RE, et al. **Am J Gastroenterol** 1984 Aug;79(8):659–62

REHABILITATION

[Physical rehabilitation of patients after arterial surgery] Iankelevich EI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov–Dec;(6):37–40 (Eng. Abstr.) **(Rus)**

STANDARDS

[Control of reconstructive vascular surgery using digital subtraction angiography (DSA)] Schuler M, et al. **ROFO** 1983 Dec;139(6):602–8 (Eng. Abstr.) **(Ger)**

[Doppler sonography after extra–intracranial anastomosis operations] Migl F, et al. **Wien Med Wochenschr** 1984 Jun 30;134(12):290–1 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

[Results and perspectives of the activities of a center for emergency vascular surgery] Ratner GL, et al. **Sov Med** 1983;(8):61–3 **(Rus)**

TRENDS

[Progressive vascular surgery] Országos EI. **Orv Hetil** 1984 May 20;125(21):1269–70 **(Hun)**

VASCULITIS

Classification and therapy of atrophie blanche. Milstone LM, et al. **Arch Dermatol** 1983 Dec;119(12):963–9

[Allergic vasculitis and other forms of vasculitis] Tappeiner G, et al. **Internist (Berlin)** 1983 Oct;24(10):563–71 **(Ger)**

[The lung in systemic vasculitis] Iones F, et al. **Arch Monaldi** 1983 Jan–Apr;38(1–2):suppl 3–20 **(Ita)**

[Urticariform vasculitis] Jiménez Reyes J, et al. **Rev Clin Esp** 1984 Mar 31;172(6):311–3 (23 ref.) **(Spa)**

BLOOD

'Hypocryoglobulins'. Enhanced cryoprecipitation from hypotonic serum in patients with vasculitis. McLeod BC, et al. **Arch Intern Med** 1984 Jul;144(7):1381–5

CHEMICALLY INDUCED

Angiitis and photocopier fumes [letter] Guidotti TL. **Ann Intern Med** 1983 Oct;99(4):570

Small-vessel vasculitis and methotrexate [letter] Marks CR, et al. **Ann Intern Med** 1984 Jun;100(6):916

Intracerebral hemorrhage and vasculitis related to ephedrine abuse [letter] Nadeau SE. **Ann Neurol** 1984 Jan;15(1):114–5

[Diffuse pneumopathy with digital vasculitis in rheumatoid arthritis. Probable role of gold (letter)] Hauteville D, et al. **Rev Rhum Mal Osteoartic** 1984 Jan;51(1):56–7 **(Fre)**

[Severe vasculitis during treatment with fenbufen] Jean-Pastor MJ, et al. **Therapie** 1984 May-Jun;39(3):305–9 (Eng. Abstr.) **(Fre)**

[Vasculitis caused by benoxaprofen (letter)] Pérez-Mateo M, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):459 **(Spa)**

CLASSIFICATION

[Vasculitis: an attempt at classification] Mathy L, et al. **Rev Med Brux** 1983 Oct;4(8):537–44 (96 ref.) (Eng. Abstr.) **(Fre)**

[Terminology and clinical aspects of vasculitis (angiitis) of the skin] Ivanov OL, et al. **Vestn Dermatol Venerol** 1984 Jul;(7):37–42 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Glomerulonephritis, non-Hodgkin's lymphoma and leucocytoclastic vasculitis. Banks RA, et al. **Am J Nephrol** 1984 Mar-Apr;4(2):114–7

Neurological complications of vasculitis. Moore PM, et al. **Ann Neurol** 1983 Aug;14(2):155–67

Leukocytoclastic vasculitis in hairy cell leukemia (leukemic reticuloendotheliosis). Kenny PG, et al. **Arch Dermatol** 1983 Dec;119(12):1018–9

Hairy-cell leukemia with the appearance of mixed cryoglobulinemia and vasculitis. Raju SF, et al. **Arch Intern Med** 1984 Jun;144(6):1300–2

Loch Fyne fever—a new diagnosis? Roberts JA, et al. **Br J Clin Pract** 1983 Sep;37(9):313–4

Pyoderma gangrenosum and leucocytoclastic vasculitis in association with rheumatoid arthritis—a report of two cases. English JS, et al. **Clin Exp Dermatol** 1984 May; 9(3):270–6

Cutaneous vasculitis in systemic lupus erythematosus. A poor prognostic indicator. Callen JP, et al. **Cutis** 1983 Nov; 32(5):433–6

Relapsing polychondritis. A case report and literature review. Estes SA. **Cutis** 1983 Nov;32(5):471–4, 476 (30 ref.)

First case of acquired functional C1(-) INH deficiency: association with angioedema during Churg and Strauss vasculitis. Pasquali JL, et al. **Int Arch Allergy Appl Immunol** 1984;74(3):284–5

Cutaneous leucocytoclastic vasculitis associated with acute sarcoidosis. Johnston C, et al. **Postgrad Med J** 1984 Aug; 60(706):549–50

Prominent pericardial and myocardial lesions in the Churg-Strauss syndrome (allergic granulomatosis and angiitis). Davison AG, et al. **Thorax** 1983 Oct;38(10):793–5

[Systemic manifestations of angiitis with asthma and hypereosinophilia. Study of 10 cases] Newinger G, et al. **Rev Med Interne** 1984 Jun;5(2):165–71 (Eng. Abstr.) **(Fre)**

[Anti-immunoblastic lymphadenopathy, hyperthyroidism and vasculitis] Ben-Itzhak J, et al. **Harefuah** 1983 Apr 15; 104(8):340–1 **(Heb)**

[Case of vasculo-Behcet's disease with repeated observations of radiographic pulmonary abnormalities—including a review of 21 cases from the domestic and foreign literature] Sawada K, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun; 72(6):784–90 **(Jpn)**

[Mixed cryoglobulinemia associated with adrenal insufficiency, Hashimoto's thyroiditis, persistent chronic hepatitis and vasculitis] Larrañaga JR, et al. **Rev Clin Esp** 1984 Feb 15;172(3):175–6 **(Spa)**

[Chronic secreting lymphoid leukosis with mixed cryoglobulinemia and systemic vasculitis] Murie Carrillo de Albornoz JM, et al. **Rev Clin Esp** 1983 Nov 30; 171(4):285–8 **(Spa)**

DIAGNOSIS

Herpes zoster ophthalmicus and delayed contralateral hemiparesis caused by cerebral angiitis: diagnosis and management approaches. Hilt DC, et al. **Ann Neurol** 1983 Nov;14(5):543–53

Clinical characteristics and prognosis of vasculitic mononeuropathy multiplex. Chang RW, et al. **Arch Neurol** 1984 Jun;41(6):618–21

Rheumatoid vasculitis: diagnostic and therapeutic decisions. Panush RS, et al. **Clin Rheumatol** 1983 Dec;2(4):321–30

Massive hemoptysis as a presenting sign of benign lymphocytic angiitis and granulomatosis. Levy A, et al. **Eur J Respir Dis** 1984 May;65(4):311–4

Cerebral granulomatous angiitis with atypical features. Kristoferitsch W, et al. **J Neurol** 1984;231(1):38–42

Small vessel vasculitis presenting as neurological disorder. Miller DH, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug; 47(8):791–4

Dermatitis artefacta presenting as a 'vasculitis'. Harper JI, et al. **J R Soc Med** 1983 Nov;76(11):970–1

Granulomatous angiitis presenting as chronic meningitis and ventriculitis. Reik L Jr, et al. **Neurology (NY)** 1983 Dec; 33(12):1609–12

Vasculitis. Rothschild B. **Primary Care** 1984 Jun;11(2):325–39

Collagen-vascular diseases. Rothschild B. **Primary Care** 1984 Jun;11(2):307–23

Acroangiodermatitis of Mali. De Villez RL, et al. **South Med J** 1984 Feb;77(2):255–8

Acute herpetic thrombotic retinal angiitis and necrotizing neuroretinitis ('acute retinal necrosis syndrome'). Gass JD. **Trans New Orleans Acad Ophthalmol** 1983;:97–107

[Necrotic angiodermatitis] Priollet P, et al. **Ann Dermatol Venereol** 1984;111(1):55–61 **(Fre)**

[Mesenteric ischemia and vasculitis] Salandre D, et al. **Chirurgie** 1983;109(6):507–14 (Eng. Abstr.) **(Fre)**

[Vasculitis: diagnostic approach and surveillance] Kennes B. **Rev Med Brux** 1983 Oct;4(8):553–6 (Eng. Abstr.) **(Fre)**

[Atypical Cogan's syndrome with cutaneous vasculitis: a case] Gouet D, et al. **Rev Med Interne** 1983 Sep;4(3):267–70 (Eng. Abstr.) **(Fre)**

[Diseases of the respiratory organs in diffuse connective tissue diseases in children] Fedoseeva NA. **Pediatriia** 1983 Nov; (11):25–7 (Eng. Abstr.) **(Rus)**

[Systemic vasculitis in children] Lyskina GA. **Pediatriia** 1983 Nov;(11):63–8 **(Rus)**

DRUG THERAPY

Intravenous cyclophosphamide plus methylprednisolone in treatment of systemic rheumatoid vasculitis. Scott DG, et al. **Am J Med** 1984 Mar;76(3):377–84

Spontaneous healing and relief of pain in a patient with intractable vasculitic ulceration of the lower limb following an intravenous infusion of prostacyclin: a case report. Kay S, et al. **Br J Plast Surg** 1984 Apr;37(2):175–8

Recovery from rheumatoid cerebral vasculitis. Gobernado JM, et al. **J Neurol Neurosurg Psychiatry** 1984 Apr; 47(4):410–3

ETIOLOGY

Bowel bypass arthritis dermatitis syndrome: a histological and electron microscopical study. Sandbank M, et al. **Acta Derm Venereol (Stockh)** 1984;64(1):79–82

Persistent endomyocardial biopsy-proven vasculitis following cure of endocarditis. Shanes JG, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):614–9

Immune complex deposition and coronary vasculitis in systemic lupus erythematosus. Report of two cases. Korbet SM, et al. **Am J Med** 1984 Jul;77(1):141–6

Evidence for a role of hydroxyl radical in immune-complex-induced vasculitis. Fligiel SE, et al. **Am J Pathol** 1984 Jun;115(3):375–82

Suppressor T cell function in patients with rheumatoid arthritis complicated by vasculitis. Abe T, et al. **Arthritis Rheum** 1984 Jul;27(7):752–9

Digital vasculitis in patients with cryptogenic fibrosing alveolitis. Hodson ME, et al. **Br J Dis Chest** 1984 Apr; 78(2):140–8

Chronic neuropathy associated with immune complexes of hepatitis B virus. Tsukada N, et al. **J Neurol Sci** 1983 Oct; 61(2):193–210

Viral infection may lead to vessel wall problems [news] Gunby P. **JAMA** 1984 Mar 2;251(9):1131–2

Intracerebral haemorrhage and vasculitis secondary to amphetamine use. Salanova V, et al. **Postgrad Med J** 1984 Jun;60(704):429–30

Tuberculous retinal vasculitis. Fountain JA, et al. **Retina** 1984 Winter-Spring;4(1):48–50

Vasculitic purpura: differential diagnosis and therapy. Katz P. **Semin Thromb Hemost** 1984 Jul;10(3):202–7

Fever, rash, and blindness in a previously healthy young male [clinical conference] Sigal SL, et al. **Yale J Biol Med** 1983 May-Jun;56(3):219–29

[Immune and autoimmune manifestations of autochthonous visceral leishmaniasis with liver, kidney and vascular involvement] Wolga JI, et al. **Bull Soc Pathol Exot Filiales** 1983 Aug-Oct;76(4):369–76 (Eng. Abstr.) **(Fre)**

[Retinal vasculitis in systemic lupus erythematosus] Laroche L, et al. **J Fr Ophtalmol** 1984;7(3):193–200 (Eng. Abstr.) **(Fre)**

[Angioimmunoblastic lymphadenopathy with cutaneous leukocytoclastic vasculitis (letter)] Garcia Bragado F, et al. **Presse Med** 1983 Oct 29;12(38):2401 **(Fre)**

[Non-specific angiitis and the central nervous system] Mas JL, et al. **Rev Neurol (Paris)** 1983;139(8–9):467–84 (184 ref.) (Eng. Abstr.) **(Fre)**

[Vasculitis with mixed cryoglobulinemia disclosing leprosy. Apropos of a case] Cassou M, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):109–11 **(Fre)**

[Diagnostic and prognostic significance of so-called rheumatoid vasculitis] Häntzschel H, et al. **Z Gesamte Inn Med** 1984 Apr 1;39(7):109–15 (Eng. Abstr.) **(Ger)**

[Vessels and heart in rheumatoid arthritis] Cervini C. **Clin Ter** 1984 Jan 15;108(1):3–9 (Eng. Abstr.) **(Ita)**

[Mechanisms of hypereosinophilic reactions and the damaging effect of eosinophils] Abramychev AN, et al. **Ter Arkh** 1984;56(6):88–93 **(Rus)**

IMMUNOLOGY

Assay, purification and further characterization of 7S C1q-precipitins (C1q-p) in hypocomplementemic vasculitis urticaria syndrome and systemic lupus erythematosus. Marder RJ, et al. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1984; 284:25–34

Precipitating antibodies to nuclear antigens in systemic vasculitis. Scott DG, et al. **Clin Exp Immunol** 1984 Jun; 56(3):601–6

Rheumatoid vasculitis. Scott DG, et al. **Clin Rheumatol** 1983 Dec;2(4):311–4

Electron-dense deposits in the renal arterioles of two patients with hypersensitivity vasculitis. Montoliu J, et al. **Hum Pathol** 1984 Apr;15(4):390–4

The hypocomplementemic urticarial-vasculitis syndrome: therapeutic response to hydroxychloroquine. Lopez LR, et al. **J Allergy Clin Immunol** 1984 May;73(5 Pt 1):600–3

Histamine-triggered localized vasculitis in patients with seropositive rheumatoid arthritis. Jorizzo JL, et al. **J Am Acad Dermatol** 1983 Dec;9(6):845–51

Pustular vasculitis [letter] Miyachi Y. **J Am Acad Dermatol** 1983 Nov;9(5):774

Neutrophil activation as a mechanism of tissue injury. Jacob HS. **Semin Arthritis Rheum** 1983 Aug;13(1 Suppl 1):144–7

Leukocytoclastic vasculitis viewed as a phase of immune-mediated vasculopathy. Pierson KK. **Semin Thromb Hemost** 1984 Jul;10(3):196–201

Inflammatory mediators stimulate granulocyte adherence to cultured human endothelial cells. Zimmerman GA, et al. **Thromb Res** 1984 Jul 15;35(2):203–17

[Hypocomplementemic urticarial vasculitis with glomerulopathy and renal venulitis] Meyrier A, et al. **Nephrologie** 1984;5(1):1–7 (Eng. Abstr.) **(Fre)**

[The role of immune complexes in the pathogenesis of vasculitis] Goldman M. **Rev Med Brux** 1983 Oct; 4(8):549–51 (Eng. Abstr.) **(Fre)**

[Immunopathology in 35 cases of chronic urticaria] Doutre MS, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1040–2 (Eng. Abstr.) **(Fre)**

[Immunovasculitis and the nervous system] Berlit P, et al. **Nervenarzt** 1983 Oct;54(10):497–503 **(Ger)**

[Immunological indices in systemic vasculitis] Shilkina NP. **Revmatologiia (Moskva)** 1984 Jan-Mar;(1):31–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Deposition of eosinophil cationic protein in granulomas in allergic granulomatosis and vasculitis: the Churg-Strauss syndrome. Tai PC, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):400–2

PATHOLOGY

Giant cell granulomatous angiitis of the central nervous system in a patient with leukemia and cutaneous herpes zoster. Ojeda VJ, et al. **Am J Clin Pathol** 1984 Apr; 81(4):529–32

A case of familial Mediterranean fever with cutaneous vasculitis and immune complex nephritis: light, electron, and immunofluorescent study of renal biopsy. Schlesinger M, et al. **Am J Clin Pathol** 1983 Oct;80(4):511–4

Benign lymphocytic angiitis and granulomatosis: a case report with evidence of an autoimmune etiology. Weiss MA, et al. **Am J Clin Pathol** 1984 Jan;81(1):110–6

Necrotizing granulomatous vasculitis with eosinophilic infiltrates limited to the prostate. Case report and review of the literature. Yonker RA, et al. **Am J Med** 1984 Aug; 77(2):362–4

Pulmonary granulomatous vasculitis. Pulmonary granulomatous vasculitis induced in rats by treatment with glucan. Johnson KJ, et al. **Am J Pathol** 1984 Mar; 114(3):515–6

Cutaneous leukocytoclastic vasculitis. Clinical and laboratory features of 82 patients seen in private practice. Ekenstam Eaf, et al. **Arch Dermatol** 1984 Apr;120(4):484–9

Necrotic cellulitis. A localized form of septic vasculitis. Hurwitz RM, et al. **Arch Dermatol** 1984 Jan;120(1):87–92

Pulmonary angiitis and granulomatosis revisited. Churg A. **Hum Pathol** 1983 Oct;14(10):868–83 (53 ref.)

Lymphocytic vasculitis: is it a specific clinicopathologic entity? Massa MC, et al. **J Cutan Pathol** 1984 Apr; 11(2):132–9

Systemic vasculitis with asthma and eosinophilia: a clinical approach to the Churg-Strauss syndrome. Lanham JG, et al. **Medicine (Baltimore)** 1984 Mar;63(2):65–81 (116 ref.)

Pathogenesis of hemorrhagic skin lesions in meningococcal disease. Dahle JS. **NIPH Ann** 1983 Jun;6(1):49–53

PHYSIOPATHOLOGY

Vasculitis affecting the kidney: presentation, histopathology and long-term outcome. Serra A, et al. **Q J Med** 1984 Spring;53(210):181–207

[Vasculitis: physiopathologic properties] Kennes B. **Rev Med Brux** 1983 Oct;4(8):545–8 (Eng. Abstr.) **(Fre)**

[Thrombocyte and erythrocyte aggregation function in systemic vasculitis patients] Kuznetsov IuA. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):29–31 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Isolated angiitis of brain in pregnancy and puerperium. Farine D, et al. **Obstet Gynecol** 1984 Apr;63(4):586–8

REHABILITATION

[Work capacity evaluation in patients with systemic vasculitis] Shilkina NP. **Ter Arkh** 1983;55(7):131–5 (Eng. Abstr.) **(Rus)**

SURGERY

[Resolving effect of vitrectomy in chronic inflammations of the posterior segment] Urrets-Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1983;95:367–71 **(Fre)**

THERAPY

Bullous and pustular rheumatoid vasculitis: treatment by plasma exchange. Ortonne JP, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):543–6

Efficacy of combined therapy with plasmapheresis and immunosuppressants in rheumatoid vasculitis. Winkelstein A, et al. **J Rheumatol** 1984 Apr;11(2):162–6

[Treatment of vasculitis] Nève P. **Rev Med Brux** 1983 Oct; 4(8):557–60 (Eng. Abstr.) **(Fre)**

VETERINARY

Isolation of canine parvovirus from a dog brain with severe necrotizing vasculitis and encephalomalacia. Johnson BJ, et al. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1398–9

Necrotizing vasculitis in piglets infected orally with the virus of Aujeszky's disease. Narita M, et al. **Nippon Juigaku Zasshi** 1984 Feb;46(1):119–22

VASCULITIS, ALLERGIC CUTANEOUS

CHEMICALLY INDUCED

Cimetidine-induced cutaneous vasculitis. Mitchell GG, et al. **Am J Med** 1983 Nov;75(5):875–6

Necrotizing vasculitis from radiographic contrast media. Kerdel FA, et al. **J Am Acad Dermatol** 1984 Jan;10(1):25–9

Leukocytoclastic vasculitis secondary to trazodone treatment [letter] Mann SC, et al. **J Am Acad Dermatol** 1984 Apr; 10(4):669–70

[Allergic vasculitis caused by vitamin B6] Ruzicka T, et al. **Hautarzt** 1984 Apr;35(4):197–9 (Eng. Abstr.) **(Ger)**

[Cutaneous necrotizing vasculitis caused by immunocomplexes during treatment with levamisole] Ferlazzo B, et al. **Boll Ist Sieroter Milan** 1983 Mar 31; 62(1):107–11 (Eng. Abstr.) **(Ita)**

[Sensitizing effect of rifampicin in combination with isoniazid and streptomycin on microcirculation] Sokolova GB, et al. **Probl Tuberk** 1984 Jan;(1):49–52 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Allergic purpura syndromes and inflammatory connective tissue diseases] Plachecka-Gutowska M, et al. **Reumatologia** 1983;21(1):25–32 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Vasculitis in children with acute urticaria. Tunçer A, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):109–18

[Allergic granulomatous angiitis (Churg–Strauss syndrome) manifested as polyneuritis. Its relation to panarteritis nodosa] Aupy M, et al. **Rev Neurol (Paris)** 1983; 139(11):651–6 (Eng. Abstr.) **(Fre)**

[Hypocomplement urticariform vasculitis associated with chronic obstructive pulmonary disease. Report of a case and review of the literature] Diez Gómez ML, et al. **Med Clin (Barc)** 1984 Feb 18;82(6):261–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Urticarial vasculitis. Guin JD. **J Arkansas Med Soc** 1983 Dec; 80(7):308–9

[Zeek's supersensitive angiitis] Kotov AA. **Vestn Dermatol Venerol** 1983 Jul;(7):37–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Clinical remission of membranous glomerulonephritis in primary biliary cirrhosis with cutaneous vasculitis. Reitsma DJ, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):27–8

Cutaneous vasculitis associated with interferon. Sangster G, et al. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1647–9

Small-vessel vasculitis following simultaneous influenza and pneumococcal vaccination. Houston TP. **NY State J Med** 1983 Oct–Nov;83(11–12):1182–3

Cutaneous vasculitis and immune complexes in severe bronchiectasis. Hilton AM, et al. **Thorax** 1984 Mar; 39(3):185–91

[Allergic vasculitis disclosing brucellosis (letter)] Adoue D, et al. **Presse Med** 1984 Apr 14;13(16):1003 **(Fre)**

[Association of angioimmunoblastic lymphadenopathy and vasculitis (letter)] Simon G, et al. **Presse Med** 1983 Nov 5;12(39):2461–2 **(Fre)**

[A case of Churg–Strauss syndrome with ocular involvement] Ibáñez Bermúdez F, et al. **Med Clin (Barc)** 1983 Nov 26; 81(17):769–71 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Cutaneous leukocytoclastic vasculitis with hyperglobulinemia and splenomegaly. A variant of hyperglobulinemic purpura of Waldenström. Hudson CP, et al. **Arch Dermatol** 1984 Sep;120(9):1224–6

[Circulating immune complexes in patients with vasculitis of the skin] Ivanov OL, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):11–4 (Eng. Abstr.) **(Rus)**

[Chronic serum sickness associated with hepatitis B virus surface antigen] Villar Casares M, et al. **Med Clin (Barc)** 1984 May 26;82(20):896–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Vasculitis—the dermatological approach. Torres VM. **Bol Asoc Med PR** 1984 May;76(5):192–201

Endothelial cell pathology as a marker for urticarial vasculitis: a light microscopic study. Russell Jones R, et al. **Br J Dermatol** 1984 Feb;110(2):139–49

Necrotizing vasculitis (angiitis) with granulomatosis. Chanda JJ, et al. **Int J Dermatol** 1984 Mar;23(2):101–7

A peculiar case of allergic angiitis. Căluşer I, et al. **Morphol Embryol (Bucur)** 1984 Jan–Mar;30(1):39–40

[Chronic recurrent postular allergic vasculitis] Bonelli U, et al. **G Ital Dermatol Venereol** 1983 Jul–Aug;118(4):227–30 **(Ita)**

[Disciform nodular allergic vasculitis] Ivanov OL, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):46–8 (Eng. Abstr.) **(Rus)**

THERAPY

[Evaluation of tuberculin treatment of cutaneous vasculitis] Radionov VG, et al. **Vestn Dermatol Venerol** 1983 Nov; (11):42–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Chronic necrotizing vasculitis in a horse. Morris DD, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):579–82

Acute necrotizing vasculitis and thrombocytopenia in a horse. Werner LL, et al. **J Am Vet Med Assoc** 1984 Jul 1;185(1):87–90

VASECTOMY

see related

STERILIZATION REVERSAL

Knowledge, attitudes, and practice regarding vasectomy among residents of Hamilton County, Ohio, 1980. Huether CA, et al. **Am J Public Health** 1984 Jan;74(1):79–82

Vasectomy-induced autoimmunity: antisperm and antinuclear autoimmune monoclonal antibodies. Isahakia M, et al. **Am J Reprod Immunol** 1984 Apr–May;5(3):117–24

Biochemical analysis of human seminal plasma. I. Fructose, ascorbate, cholesterol, adenosine triphosphatase and lactic dehydrogenase. Srivastava A, et al. **Andrologia** 1983 Sep–Oct;15(5):431–5

Post-vasectomy impairment of transepithelial water reabsorption in the initial segment of the epididymis. Hohlbrugger G, et al. **Arch Androl** 1983 Dec;11(3):265–70

Vasectomy in langur monkeys (Presbytis entellus entellus dufresne). Lohiya NK, et al. **Arch Androl** 1983 Aug; 11(1):85–7

The effects of vasectomy and exercise on cholesterol levels in rat aortas. Westerfield RC. **Atherosclerosis** 1983 Dec; 49(3):319–24

A low-power magnification technique for the re-anastomosis of the vas—further results in a personal series of 125 patients. Urquhart-Hay D. **Aust NZ J Surg** 1984 Feb; 54(1):73–4

Hypophysectomy and hemivasectomy can inhibit the testicular hemicastration response of the mature rat. Frankel AI, et al. **Biol Reprod** 1984 May;30(4):804–8

Delayed spontaneous recanalization of the vas deferens. Sherlock DJ, et al. **Br J Surg** 1984 Jul;71(7):532–3

Wound infection following vasectomy. Randall PE, et al. **Br J Urol** 1983 Oct;55(5):564–7

Late failure of vasectomy [letter] **Br Med J [Clin Res]** 1984 Aug 4;289(6440):318–9

Late failure of vasectomy after two documented analyses showing azoospermic semen. Philp T, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):77–9

Long-term effects of vasectomy. Part II: Immunological parameters. An ICMR Task Force study on regulation of male fertility (surgical approaches). **Contraception** 1983 Dec;28(6):527–41

A comprehensive review of the sequelae of male sterilization. Frances M, et al. **Contraception** 1983 Nov;28(5):455–73 (81 ref.)

Prevention of monkey sperm penetration of zona-free hamster ova by sperm antibody obtained from vasectomized cynomolgus monkeys. Hoffman ML, et al. **Fertil Steril** 1984 Jul;42(1):108–11

A review of 357 bilateral vasectomies for male sterilization. Tailly G, et al. **Fertil Steril** 1984 Mar;41(3):424–7

Long-term management of vasovasostomy patients. Weinerth JL. **Fertil Steril** 1984 Apr;41(4):625–8

Seminal plasma constituents & serum testosterone levels of vasectomized men. Chinoy NJ, et al. **Indian J Exp Biol** 1983 Apr;21(4):193–7

Impairment of vas sympathetic nervous system & contractility following vasectomy in rat. Kanwar KC, et al. **Indian J Exp Biol** 1983 Nov;21(11):585–6

Reproductive history and semen analysis in prevasectomy fertile men with and without varicocele. de Castro MP, et al. **J Androl** 1984 Jan–Feb;5(1):17–20

Circulating immune complexes and sperm antibodies following vasectomy in Austrian men. Witkin SS, et al. **J Clin Lab Immunol** 1984 Jun;14(2):69–72

Antisperm antibodies in mouse vasectomy sera react with embryonal teratocarcinoma. Anderson DJ, et al. **J Immunol** 1983 Dec;131(6):2908–12

Vasovasostomy in rabbits after vasectomy or vas occlusion by tantalum clip. Lohiya NK, et al. **J Reprod Fertil** 1984 May;71(1):243–8

The functional competence of human spermatozoa recovered after vasectomy. Richardson DW, et al. **J Reprod Fertil** 1984 Mar;70(2):575–9

Isolation of a sperm autoantigen from the kidneys of vasectomized rabbits. O'Rand MG, et al. **J Reprod Immunol** 1984 Feb;6(2):121–8

Medicine and the law. Damages awarded for failed vasectomy. Brahams D. **Lancet** 1984 Sep 22; 2(8404):A704–5

Herpes virus serology in vasectomy patients [letter] Hayman J, et al. **Med J Aust** 1984 Mar 3;140(5):310

Vasectomy reversal. Review of 475 microsurgical vasovasostomies. Owen E, et al. **Med J Aust** 1984 Mar 31;140(7):398–400

Vasectomy—safe and simple. **Popul Rep [D]** 1983 Nov–Dec; (4):61–100

A survey of vasectomised patients. Carter YH. **Practitioner** 1984 Jul;228(1393):659–61

Effect of castration on urinary N-acetyl-beta-D-glucosaminidase levels in male beagles. Higashiyama N, et al. **Renal Physiol** 1983;6(5):226–31

Epithelial changes of the vas deferens after vasectomy and vasovasostomy in dogs. Wright N, et al. **Scan Electron Microsc** 1983;(Pt 3):1435–40

Allergic reaction to protamine: a late complication of elective vasectomy? Watson RA, et al. **Urology** 1983 Nov; 22(5):493–5

[Sperm centrifugation in azoospermia?] Schirren C. **Andrologia** 1984 Jul–Aug;16(4):381–4 (Eng. Abstr.) **(Ger)**

[Vasectomy for contraception] Rageth JC, et al. **Schweiz Med Wochenschr** 1983 Aug 27;113(34):1191–8 (Eng. Abstr.) **(Ger)**

[Partial bilateral vasectomy. Clinical study of 1500 couples] Giner-Velázquez J. **Gac Med Mex** 1983 Jun;119(6):255–62 **(Spa)**

ADVERSE EFFECTS

Ultrastructural changes in rabbit testis and epididymis following vasectomy: a long term study. Lohiya NK, et al. **Acta Eur Fertil** 1983 Mar–Apr;14(2):141–6

Effect of bilateral vasectomy on liver function in langur monkeys (Presbytis entellus entellus Dufresne). Lohiya NK, et al. **Acta Eur Fertil** 1983 Sep–Oct;14(5):349–51

Long-term effect of vasectomy on coronary heart disease. Perrin EB, et al. **Am J Public Health** 1984 Feb;74(2):128–32

Genetic susceptibility to testicular autoimmunity: comparison between postthymectomy and postvasectomy models in mice. Kojima A, et al. **Biol Reprod** 1983 Aug;29(1):195–205

Endocarditis caused by Staphylococcus warneri on a normal aortic valve following vasectomy. Dan M, et al. **Can Med Assoc J** 1984 Aug 1;131(3):211–3

Report of a meeting on vasectomy, organized by the Special Programme of Research, Development and Research Training in Human Reproduction, held at World Health Organization, Geneva, 3–6 August 1981. **Clin Reprod Fertil** 1982 Mar;1(1):89–93

Long-term effects of vasectomy. Part I: Biochemical parameters. An ICMR (Indian Council of Medical Research) Task Force Study on Regulation of Male Fertility (surgical approaches). **Contraception** 1983 Nov; 28(5):423–35

Risks of sterilization procedures [letter] Pfenninger JL. **J Fam Pract** 1984 Jan;18(1):28

Vasectomy and atherosclerosis in Macaca fascicularis. New findings in a controversial issue. Lauersen NH, et al. **J Reprod Med** 1983 Nov;28(11):750–8

Vasectomy and nonfatal myocardial infarction: continued observation indicates no elevation of risk. Walker AM, et al. **J Urol** 1983 Nov;130(5):936–7

From the NIH. Long-term vasectomy shows no association with coronary heart disease. **JAMA** 1984 Aug 24–31; 252(8):1005

Vasectomy and health. Results from a large cohort study. Massey FJ Jr, et al. **JAMA** 1984 Aug 24–31;252(8):1023–9

Vasectomy is bad for your rat [letter] Edwards IS. **Med J Aust** 1983 Oct 29;2(9):418

Vasectomy. What are the long-term risks? Kovacs GT, et al. **Med J Aust** 1983 Nov 26;2(11):564–7

Formation of antisperm autoantibodies in rats vasectomized at prefertile age. Pedersen J, et al. **Scand J Urol Nephrol** 1983;17(3):277–81

[Vascular diseases and sterilization in man: nonsense?] Verheugt FW. **Ned Tijdschr Geneeskd** 1984 May 19; 128(20):962–3 **(Dut)**

[Termino-terminal vaso-vasostomy in the rat. Histological and ultrastructural study of the vas deferens and epididymis] Cavallaro G, et al. **Minerva Chir** 1983 Sep 30; 38(18):1339–46 (Eng. Abstr.) **(Ita)**

HISTORY

The surgical solution: the writings of activist physicians in

the early days of eugenical sterilization. Reilly P. **Perspect Biol Med** 1983 Summer;26(4):637–56

INSTRUMENTATION

Skin sutures used as loop retractors during vasectomies. Reiss HF. **Urology** 1984 Apr;23(4):390–1

METHODS

Open-ended vasectomy [letter] Errey B. **Fertil Steril** 1984 Jan;41(1):164

Vasectomy failure using an open-ended technique. Goldstein M. **Fertil Steril** 1983 Nov;40(5):699–700

Percutaneous fulgarization of vas. Agarwal SL, et al. **Indian J Med Res** 1983 Oct;78:547–51

Vasectomy [letter] Schmidt SS. **J Fam Pract** 1984 May; 18(5):683, 686

Microsurgical reversal of vasectomy. Ariyaprakai W. **J Med Assoc Thai** 1983 Nov;66(11):663–7

Vasectomy reversal [letter] **Med J Aust** 1984 May 26; 140(11):681

Microsurgical anastomosis of the vas deferens. A study in the rat. de Villiers KQ, et al. **S Afr J Surg** 1983 Sep; 21(3):183–8

[The surgical technic and vaso-vasostomy] Andersen M, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3012–3 (Eng. Abstr.) **(Dan)**

[Vasectomy within the scope of contraception] Stamm H, et al. **Gynakol Rundsch** 1984;24(2):85–97 **(Ger)**

STANDARDS

Guidelines on vasectomy and oral contraceptives. Medical Task Force of the Australian Federation of Family Planning Associations. **Med J Aust** 1984 May 26; 140(11):669–70

Guidelines on vasectomy and oral contraception. Llewellyn-Jones D. **Med J Aust** 1984 May 26;140(11):640

UTILIZATION

Surety secure? [editorial] Leavesley JH. **Med J Aust** 1984 Mar 31;140(7):390–2

VETERINARY

Surgical and chemical vasectomy in the cat. Pineda MH, et al. **Am J Vet Res** 1984 Feb;45(2):291–300

VASOACTIVE INTESTINAL PEPTIDE

ADMINISTRATION & DOSAGE

The opposite effects of central and peripheral vasoactive intestinal polypeptide on blood pressure in rats. Casto R, et al. **Neurosci Lett** 1983 Jul 29;38(2):169–73

ANALYSIS

Vasoactive intestinal polypeptide immunoreactive nerve fibres in the human eye. Miller AS, et al. **Aust J Ophthalmol** 1983 Aug;11(3):185–93

Vasoactive intestinal polypeptide in the normal and unstable bladder. Gu J, et al. **Br J Urol** 1983 Dec;55(6):645–7

The development of motilin, cholecystokinin and vasoactive intestinal peptide immunoreactivity in the forebrain and hindbrain of the rat, as determined by radioimmunoassay. Beinfeld MC, et al. **Brain Res** 1983 Oct;312(1):146–50

Evidence for vasoactive intestinal polypeptide as a neurotransmitter in smooth muscle of the urogenital tract. Hunter JC, et al. **Brain Res** 1984 Jul 9;305(2):221–9

In vivo studies on the basal and evoked release of cholecystokinin and vasoactive intestinal polypeptide from cat cerebral cortex and periventricular structures. Wang JY, et al. **Brain Res** 1983 Nov 28;280(1):105–17

Morphological patterns and diagnostic criteria of VIP-producing endocrine tumors. A histologic, histochemical, ultrastructural, and biochemical study of 32 cases. Capella C, et al. **Cancer** 1983 Nov 15;52(10):1860–74

Dopamine-beta-hydroxylase-, neurotensin-, substance P-, vasoactive intestinal polypeptide- and enkephalin-immunohistochemistry of paravertebral and prevertebral ganglia in the cat. Heym C, et al. **Cell Tissue Res** 1984;235(2):411–8

Bombesin-, gastrin/CCK-, 5-hydroxytryptamine-, neurotensin-, somatostatin-, and VIP-like immunoreactivity and catecholamine fluorescence in the gut of the elasmobranch, Squalus acanthias. Holmgren S, et al. **Cell Tissue Res** 1983;234(3):595–618

Ependymal and neuronal specializations in the lateral ventricle of the Pekin duck, Anas platyrhynchos. Korf HW, et al. **Cell Tissue Res** 1984;236(1):217–27

Distribution of vasoactive intestinal polypeptide-like immunoreactivity in the mammalian heart. Interrelation with neurotensin- and substance P-like immunoreactive nerves. Weihe E, et al. **Cell Tissue Res** 1984;236(3):527–40

Distribution of vasoactive intestinal peptide, bombesin, and gastrin-cholecystokinin like peptides in the avian intestinal tract and brain. Shulkes A, et al. **Comp Biochem Physiol [C]** 1983;76(2):345–9

Vasoactive intestinal polypeptide (VIP)-like immunoreactivity in the human and guinea-pig choroid [letter] Uusitalo H, et al. **Exp Eye Res** 1984 Apr;38(4):435–7

VIP-, substance P- and met-enkephalin-immunoreactive innervation of the human gastroduodenal mucosa and Brunner's glands. Ferri GL, et al. **Gut** 1984 Sep; 25(9):948–52

Vasoactive intestinal peptide concentrations and immunocytochemical studies in rectal biopsies from patients with inflammatory bowel disease. O'Morain C, et al. **Gut** 1984 Jan;25(1):57–61

VIPergic innervation in the gastrointestinal tract of diabetic rats. Kishimoto S, et al. **Hiroshima J Med Sci** 1983 Dec; 32(4):469–78

Vasoactive intestinal polypeptide immunoreactive and cholinergic nerves in the whole mount preparation of the major cerebral arteries of the rat. Kobayashi S, et al. **Histochemistry** 1983;79(3):377–81

The lacrimal glands of the rat and the guinea pig are innervated by nerve fibers containing immunoreactivities for substance P and vasoactive intestinal polypeptide. Nikkinen A, et al. **Histochemistry** 1984;81(1):23–7

Quantification of the intestinal peptide-containing innervation: length density of nerve fibers and total length of nerve supply to the single villus/crypt unit. Ferri GL, et al. **J Histochem Cytochem** 1984 Jul;32(7):737–40

Immunohistochemical localization of vasoactive intestinal polypeptide (VIP) in Merkel cells of various mammals: evidence for a neuromodulator function of the Merkel cell. Hartschuh W, et al. **J Invest Dermatol** 1983 Oct;81(4):361–4

The development of peptidergic neurons in the foregut of the chick. Epstein ML, et al. **J Neurosci** 1983 Dec; 3(12):2431–47

Preferential immunohistochemical localization of vasoactive intestinal polypeptide (VIP) in the sacral spinal cord of the cat: light and electron microscopic observations. Honda CN, et al. **J Neurosci** 1983 Nov;3(11):2183–96

The distribution of cholecystokinin and vasoactive intestinal peptide in rhesus monkey brain as determined by radioimmunoassay. Beinfeld MC, et al. **Neuropeptides** 1983 Jul;3(5):337–44

Light and electron microscopic immunocytochemical localization of vasoactive intestinal polypeptide VIP-like activity in the rat small intestine. Fehér E, et al. **Neuroscience** 1983 Sep;10(1):97–106

The distribution and ultrastructure of VIP-immunoreactivity in the central nucleus of the rat amygdala. Gray TS, et al. **Neuroscience** 1984 Feb;11(2):399–408

The distributions of PHI and VIP in porcine gut and their co-localisation to a proportion of intrinsic ganglion cells. Bishop AE, et al. **Peptides (Fayetteville)** 1984 Mar-Apr; 5(2):255–9

Abundance of VIP in duodenal mucosa of coeliacs and duodenal ulcer patients. Domschke S, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):411–3

Development of VIP in the peripheral nervous system of avian embryo. Fontaine-Perus J. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):195–200

Distribution and origins of VIP-immunoreactive nerves in the cephalic circulation of the cat. Gibbins IL, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):209–12

The distribution and origin of VIP in the spinal cord of six mammalian species. Gibson SJ, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):201–7

The origin of VIP-containing nerves in the urinary bladder of rat. Gu J, et al. **Peptides (Fayetteville)** 1984 Mar-Apr; 5(2):219–23

VIP-immunoreactivity in the skin of various mammals: immunohistochemical, radioimmunological and experimental evidence for a dual localization in cutaneous nerves and merkel cells. Hartschuh W, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):239–45

Ontogeny of immunoreactive CCK and VIP in pig brain and gut. Ichihara K, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):623–6

Co-existence of peptide HI (PHI) and VIP in nerves regulating blood flow and bronchial smooth muscle tone in various mammals including man. Lundberg JM, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):593–606

Localisation and measurement of VIP in the genitourinary system of man and animals. Polak JM, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):225–30

Organization and interrelationship of neuropeptides in the central amygdaloid nucleus of the rat. Wray S, et al. **Peptides (Fayetteville)** 1983 Jul-Aug;4(4):525–41

The WDHA syndrome: clinical and laboratory data on 28 Japanese cases. Yamaguchi K, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):415–21

Immunochemical study on PHI/PHM with use of synthetic peptides. Yanaihara N, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):247–54

Immunohistochemical localization of substance P, vasoactive intestinal polypeptide and gastrin-releasing peptide in vas deferens and seminal vesicle, and the effect of these and eight other neuropeptides on resting tension and neurally evoked contractile activity. Stjernquist M, et al. **Regul Pept** 1983 Sep;7(1):67–86

Peptidergic innervation irregularities in Hirschsprung's disease. Immunohistochemistry—radioimmunoassay. Taguchi T, et al. **Virchows Arch [A]** 1983;401(2):223–35

[Brain and intestinal peptides and endocrinological tests] Oshima I. **Rinsho Byori** 1984 Jan;Spec No 58:62–77 (13 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Angiotensin II and norepinephrine antagonize the secretory effect of VIP in rat ileum and colon. Bhaskar Rao M, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):291–4

BIOSYNTHESIS

Production of 'ectopic' vasoactive intestinal peptide-like and neurotensin-like immunoreactivity in human pheochromocytoma cell cultures. Tischler AS, et al. **J Neurosci** 1984 May;4(5):1398–404

Cyclic adenosine monophosphate regulates vasoactive intestinal polypeptide and enkephalin biosynthesis in cultured bovine chromaffin cells. Eiden LE, et al. **Neuropeptides** 1983 Dec;4(1):1–9

Production of VIP- and PHM (human PHI)-related peptides in human neuroblastoma cells. Hoshino M, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):155–60

BLOOD

Influence of suckling and feeding on insulin, gastrin, somatostatin and VIP levels in peripheral venous blood of lactating sows. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1984 May;121(1):31–8

Penile erection: possible role for vasoactive intestinal polypeptide as a neurotransmitter. Ottesen B, et al. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):9–11

The plasma concentrations of secretin and vasoactive intestinal polypeptide (VIP) after long-term, strenuous exercise. Oktedalen O, et al. **Eur J Applied Physiol** 1983; 52(1):5–8

In search of mediators of skin vasodilation induced by transcutaneous nerve stimulation: III. Increase in plasma VIP in normal subjects and in Raynaud's disease. Kaada B, et al. **Gen Pharmacol** 1984;15(2):107–13

Effects of tactile and electrical stimuli upon release of vasoactive intestinal polypeptide in the mammalian penis. Dixson AF, et al. **J Endocrinol** 1984 Feb;100(2):249–52

Peptide histidine isoleucine- and vasoactive intestinal polypeptide-like immunoreactivity coexist in rat hypophysial portal blood. Shimatsu A, et al. **Neurosci Lett** 1983 Dec 30;43(2-3):259–62

Long-term pancreatic duct occlusion impairs the entero-insular axis in the dog—failure of plasma VIP to respond as 'incretin'. Schwille PO, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):445–50

Vasoactive intestinal polypeptide and somatostatin in leucocytes. Lygren I, et al. **Scand J Clin Lab Invest** 1984 Jun;44(4):347–51

The effect of insulin-induced hypoglycemia with and without atropine on plasma vasoactive intestinal polypeptide in man. Lygren I, et al. **Scand J Gastroenterol** 1983 Jan; 18(1):155–9

Plasma concentration of vasoactive intestinal polypeptide during prolonged physical exercise, calorie supply deficiency, and sleep deprivation. Oktedalen O, et al. **Scand J Gastroenterol** 1983 Nov;18(8):1057–62

Responses of vasoactive intestinal polypeptide, secretin, and human pancreatic polypeptide to glucose during fasting. Oktedalen O, et al. **Scand J Gastroenterol** 1984 Jan; 19(1):59–64

CEREBROSPINAL FLUID

Catecholamines and vasoactive intestinal polypeptide in cerebrospinal fluid in depression. Gjerris A, et al. **Adv Biochem Psychopharmacol** 1984;39:159–60

VIP in cerebrospinal fluid of patients with multiple sclerosis. Andersen O, et al. **Peptides (Fayetteville)** 1984 Mar-Apr; 5(2):435–7

Vasoactive intestinal peptide in cerebrospinal fluid. Sharpless NS, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):429–33

CHEMICAL SYNTHESIS

Synthesis, conformational studies and biological activities of VIP and related fragments. Fournier A, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):169–77

Synthesis of vasoactive intestinal peptide (VIP) via the mixed anhydride method. Schaaper WM, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):167–8

DIAGNOSTIC USE

Pretreatment of exercise-induced asthma with inhaled vasoactive intestinal peptide (VIP). Bundgaard A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):427–9

Renal function during vasoactive intestinal peptide (VIP) infusions in normal man and patients with liver disease. Calam J, et al. **Peptides (Fayetteville)** 1984 Mar-Apr; 5(2):441–3

Role of vasoactive intestinal polypeptide (VIP) in regulating the pituitary function in man. Kato Y, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):389–94

Effect of somatostatin infusion on VIP-induced transport changes in the human jejunum. Krejs GJ. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):271–6

GENETICS

Cyclic AMP regulation of pro-vasoactive intestinal polypeptide/PHM-27 synthesis in human neuroblastoma cells. Hayakawa Y, et al. **J Biol Chem** 1984 Jul 25; 259(14):9207–11

Studies toward the biosynthesis of vasoactive intestinal peptide (VIP). Gozes I, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):161–6

ISOLATION & PURIFICATION

Isolation and characterization of rat vasoactive intestinal peptide. Dimaline R, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):183-7

Purification of monoiodinated vasointestinal peptide (M125I-VIP) by high pressure liquid chromatography (HPLC). Marie JC, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):179-82

METABOLISM

Immunocytochemical demonstration of PHI and its co-existence with VIP in intestinal nerves of the rat and pig. Yanaihara N, et al. **Arch Histol Jpn** 1983 Sep; 46(4):575-81

Structural requirements for VIP interaction with specific receptors in human and rat intestinal membranes: effect of nine partial sequences. Couvineau A, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):493-8

Receptors for vasoactive intestinal peptide on isolated epithelial cells of rat ventral prostate. Prieto JC, et al. **Biochim Biophys Acta** 1983 Dec 19;763(4):408-13

Importance of disulfide bonds in receptors for vasoactive intestinal peptide and secretin in rat pancreatic plasma membranes. Robberecht P, et al. **Biochim Biophys Acta** 1984 Jun 27;773(2):271-8

Commissural afferents to the rat hippocampus terminate on vasoactive intestinal polypeptide-like immunoreactive non-pyramidal neurons. An EM immunocytochemical degeneration study. Léránth C, et al. **Brain Res** 1983 Oct 16;276(2):357-61

Simultaneous measurement of cholecystokinin- and vasoactive intestinal polypeptide-like immunoreactivity from cat frontal cortex in vitro: effect of morphine and D-Ala2-D-Leu5-enkephalin. Micevychi PE, et al. **Brain Res** 1984 Jan 16;291(1):55-62

The distribution and morphological characteristics of the intracortical VIP-positive cell: an immunohistochemical analysis. Morrison JH, et al. **Brain Res** 1984 Feb 6; 292(2):269-82

Human brain contains vasopressin and vasoactive intestinal polypeptide neuronal subpopulations in the suprachiasmatic region. Stopa EG, et al. **Brain Res** 1984 Apr 9; 297(1):159-63

The fine structures of the VIP-like immunoreactive neurons in the cat hypothalamus. Obata-Tsuto HL, et al. **Brain Res Bull** 1984 Mar;12(3):315-21

Specific binding of vasoactive intestinal peptide to human circulating mononuclear cells. Ottaway CA, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):664-71

Functional receptors for vasoactive intestinal peptide on human osteosarcoma cells. Hohmann EL, et al. **Endocrinology** 1984 Apr;114(4):1321-7

Comparative distribution of vasoactive intestinal polypeptide (VIP), substance P and PHI in the enteric sphincters of the cat. McGregor GP, et al. **Experientia** 1984 May 15; 40(5):469-71

A light and electron microscopic immunohistochemical study of vasoactive intestinal polypeptide- and substance P-containing nerve fibers along the cerebral blood vessels: comparison with aminergic and cholinergic nerve fibers. Itakura T, et al. **J Cereb Blood Flow Metab** 1984 Sep; 4(3):407-14

Bombesin and vasoactive intestinal polypeptide in the developing lung: marked changes in acute respiratory distress syndrome. Ghatei MA, et al. **J Clin Endocrinol Metab** 1983 Dec;57(6):1226-32

Characterization of a pancreatic tumor containing vasoactive intestinal peptide, neurotensin, and pancreatic polypeptide. Shulkes A, et al. **J Clin Endocrinol Metab** 1984 Jan; 58(1):41-8

A morphological analysis of vasoactive intestinal polypeptide (VIP)-like immunoreactive neurons in the area dentata of the rat brain. Köhler C. **J Comp Neurol** 1983 Dec 10; 221(3):247-62

Colonization of the developing murine enteric nervous system and subsequent phenotypic expression by the precursors of peptidergic neurons. Rothman TP, et al. **J Comp Neurol** 1984 May 1;225(1):13-23

Three-dimensional distribution of vasoactive intestinal polypeptide-containing structures in the rat stomach and their origins using whole mount tissue. Inoue H, et al. **J Neural Transm** 1984;59(3):195-205

Cerebral vascular adenylate cyclase: evidence for coupling to receptors for vasoactive intestinal peptide and parathyroid hormone. Huang M, et al. **J Neurochem** 1984 Sep;43(3):849-56

Decrease of vasoactive intestinal polypeptide (VIP) in the penises from impotent men. Gu J, et al. **Lancet** 1984 Aug 11;2(8398):315-8

Asbestos-related increase in pulmonary levels of vasoactive intestinal peptide (VIP). Day R, et al. **Life Sci** 1983 Nov 7;33(19):1869-76

Two types of cholinergic innervation in cortex, one co-localized with vasoactive intestinal polypeptide. Eckenstein F, et al. **Nature** 1984 May 10-16; 309(5964):153-5

Characterisation and distribution of vasoactive intestinal polypeptide binding sites in human brain. Farmery SM, et al. **Neuropharmacology** 1984 Jan;23(1):101-4

PHI-like immunoreactivity co-locates with the VIP-containing system in human lumbosacral spinal cord. Anand P, et al. **Neurosci Lett** 1984 May 4;46(2):191-6

Vasoactive intestinal polypeptide-immunoreactive nerves in the kidney. Barajas L, et al. **Neurosci Lett** 1983 Dec 30; 43(2-3):263-9

Vasoactive intestinal polypeptide in visceral afferent pathways to the sacral spinal cord of the cat. Kawatani M, et al. **Neurosci Lett** 1983 Dec 11;42(3):311-6

Serotoninergic endings on VIP-neurons in the suprachiasmatic nucleus and on ACTH-neurons in the arcuate nucleus of the rat hypothalamus. A combination of high resolution autoradiography and electron microscopic immunocytochemistry. Kiss J, et al. **Neurosci Lett** 1984 Feb 10;44(2):119-24

Localization of vasoactive intestinal polypeptide in penile erectile tissue and in the major pelvic ganglion of the rat. Dail WG, et al. **Neuroscience** 1983 Dec;10(4):1379-86

Vasoactive intestinal peptide-like immunoreactivity in nerves associated with the cardiovascular system of guinea-pigs. Della NG, et al. **Neuroscience** 1983 Jul;9(3):605-19

The development of substance P, somatostatin and vasoactive intestinal polypeptide in sympathetic and spinal sensory ganglia of the chick embryo. Hayashi M, et al. **Neuroscience** 1983 Sep;10(1):31-9

Ultrastructure and synaptic connections of vasoactive intestinal polypeptide-like immunoreactive non-pyramidal neurons and axon terminals in the rat hippocampus. Léránth C, et al. **Neuroscience** 1984 Jun;12(2):531-42

Chronic atropine treatment causes increase in VIP receptors in rat cerebral cortex. Abens J, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):375-7

In vitro autoradiographic localization of vasoactive intestinal peptide (VIP) binding sites in the rat central nervous system. Besson J, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):339-40

Heart receptors for VIP, PHI and secretin are able to activate adenylate cyclase and to mediate inotropic and chronotropic effects. Species variations and physiopathology. Christophe J, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):341-53

Multiplicity of receptors for vasoactive intestinal polypeptide (VIP): differential effects of apamin on binding in brain, uterus and liver. Fahrenkrug J, et al. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):133-6

VIP receptors in pig liver cells: binding characteristics and role in degradation. Gammeltoft S, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):367-70

PHARMACODYNAMICS

VIP inhibition of vascular smooth muscle: complementary to beta 2-adrenoceptor mediated relaxation in the isolated rat portal vein. Bråtveit M, et al. **Acta Physiol Scand** 1984 Jul;121(3):269-76

Vasoactive intestinal peptide evoked secretion of fluid and protein from rat salivary glands and the development of supersensitivity. Ekström J, et al. **Acta Physiol Scand** 1983; 119(2):169-75

Increased endometrial clearance of 85krypton evoked by VIP in rabbits. Ottesen B, et al. **Acta Physiol Scand** 1984 Jun; 121(2):185-7

Pulmonary vascular effects of vasoactive intestinal peptide in conscious newborn lambs. Kulik TJ, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H716-9

Potentiation of pepsinogen secretion from dispersed glands from rat stomach. Raufman JP, et al. **Am J Physiol** 1983 Oct;245(4):G525-30

Cholera-induced mucin secretion from rat intestine: lack of effect of cAMP, cycloheximide, VIP, and colchicine. Roomi N, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G140-8

The effect of inhaled vasoactive intestinal peptide on bronchial reactivity to histamine in humans. Barnes PJ, et al. **Am Rev Respir Dis** 1984 Aug;130(2):162-6

In vivo bronchodilator activity of vasoactive intestinal peptide in the cat. Diamond L, et al. **Am Rev Respir Dis** 1983 Nov;128(5):827-32

Gastric inhibitory peptide (GIP), pancreatic glucagon and vasoactive intestinal peptide (VIP) are cAMP-inducing hormones in the human gastric cancer cell line HGT-1. Homologous desensitization of VIP receptor activity. Gespach C, et al. **Biochem Biophys Res Commun** 1984 Apr 30;120(2):641-9

Vasoactive-intestinal-polypeptide-stimulated adenosine 3',5'-cyclic monophosphate accumulation in GH3 pituitary tumour cells. Reversal of desensitization by forskolin. Guild S, et al. **Biochem J** 1984 Aug 1;221(3):789-96

Cyclic AMP-stimulating effect of vasoactive intestinal peptide in isolated epithelial cells of rat ventral prostate. Carmena MJ, et al. **Biochim Biophys Acta** 1983 Dec 19; 763(4):414-8

Relaxation of cat tracheobronchial and pulmonary arterial smooth muscle by vasoactive intestinal peptide: lack of influence by peptidase inhibitors. Altiere RJ, et al. **Br J Pharmacol** 1984 Jun;82(2):321-8

Characterization of the opiate receptor population mediating inhibition of VIP-induced secretion from the small intestine of the rat. Coupar IM. **Br J Pharmacol** 1983 Oct;80(2):371-6

Slow excitatory transmission in rat dorsal horn: possible mediation by peptides. Urbán L, et al. **Brain Res** 1984 Jan 9;290(2):336-41

The effects of vasoactive intestinal polypeptide on the motility of human and guinea pig gallbladder. Teeley TM, et al. **Can J Physiol Pharmacol** 1984 Apr;62(4):356-9

Comparative effects of inhaled isoproterenol and vasoactive intestinal peptide on histamine-induced bronchoconstriction in human subjects [letter] Altiere RJ, et al. **Chest** 1984 Jul;86(1):153-4

Modulators of cyclic AMP in monolayer cultures of Y-79 retinoblastoma cells: partial characterization of the response with VIP and glucagon. Kyritsis A, et al. **Curr Eye Res** 1984 Feb;3(2):339-43

Anti-cell surface monoclonal antibodies which antagonize the action of VIP in a human adenocarcinoma cell line (HT 29 cells). Pichon J, et al. **EMBO J** 1983;2(7):1017-22

Somatostatin inhibits basal and vasoactive intestinal peptide-stimulated hormone release by different mechanisms in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1551-8

Somatostatin inhibits vasoactive intestinal peptide-stimulated cyclic adenosine monophosphate accumulation in GH pituitary cells. Dorflinger LJ, et al. **Endocrinology** 1983 Nov;113(5):1541-50

Vasoactive intestinal polypeptide (VIP) increases vaginal blood flow and inhibits uterine smooth muscle activity in women. Ottesen B, et al. **Eur J Clin Invest** 1983 Aug; 13(4):321-4

Relaxant effects of vasoactive intestinal peptide and bethanechol in cat intrapulmonary artery. Altiere RJ, et al. **Eur J Pharmacol** 1983 Sep 16;93(1-2):121-4

Forskolin stimulates adenylate cyclase in human colonic crypts: interaction with VIP. Boige N, et al. **Eur J Pharmacol** 1984 May 18;101(1-2):111-7

Relaxation of isolated guinea pig trachea, bronchi and pulmonary arteries produced by vasoactive intestinal peptide (VIP). Hand JM, et al. **Eur J Pharmacol** 1984 Feb 17;98(2):279-84

Nasal autonomic innervation with special reference to peptidergic nerves. Anggård A, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):143-9

Effects of bombesin, vasoactive intestinal peptide and neurotensin on TRH-induced body shaking in rats. Katsuura G, et al. **Experientia** 1984 May 15;40(5):509-10

Effects of VIP and forskolin on alanine metabolism in isolated hepatocytes. Leiser J, et al. **FEBS Lett** 1984 Aug 6; 173(2):407-13

Evidence that helodermin, a newly extracted peptide from Gila monster venom, is a member of the secretin/VIP/PHI family of peptides with an original pattern of biological properties. Robberecht P, et al. **FEBS Lett** 1984 Jan 30; 166(2):277-82

Effects of glucagon, vasoactive intestinal peptide, and vasopressin on villous microcirculation and superior mesenteric artery blood flow of the rat. Holliger C, et al. **Gastroenterology** 1983 Nov;85(5):1036-43

Effects of vasoactive intestinal peptide and secretin on gastrin and somatostatin secretion in the perfused rat stomach. Saffouri B, et al. **Gastroenterology** 1984 May;86(5 Pt 1):839-42

Effect of vasoactive intestinal polypeptide on gastric acid secretion and mucosal blood flow in the Atlantic cod, Gadus morhua. Holstein B. **Gen Comp Endocrinol** 1983 Dec;52(3):471-3

Different effects of substance P and vasoactive intestinal peptide on the motor function of bovine intraocular muscles. Suzuki R, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1566-71

Comparison of vasoactive intestinal peptide and isoproterenol relaxant effects in isolated cat airways. Altiere RJ, et al. **J Appl Physiol** 1984 Apr;56(4):986-92

Effect of vasoactive intestinal peptide on ion transport across dog tracheal epithelium. Nathanson I, et al. **J Appl Physiol** 1983 Dec;55(6):1844-8

Stimulation of growth hormone by vasoactive intestinal polypeptide in acromegaly. Chihara K, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):81-6

Vasoactive intestinal polypeptide. A neurotransmitter for lower esophageal sphincter relaxation. Biancani P, et al. **J Clin Invest** 1984 Apr;73(4):963-7

Properties of cytosolic proteins that confer vasoactive intestinal polypeptide-sensitivity to rat brain adenylate cyclase. Nicosia S, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983;9(1):19-34

Interaction of neuropeptides and cultured glial (Müller) cells of the chick retina: elevation of intracellular cyclic AMP by vasoactive intestinal peptide and glucagon. Koh SW, et al. **J Neurochem** 1984 Jul;43(1):199-203

Activation of choline acetyltransferase by vasoactive intestinal peptide. Luine VN, et al. **J Neurochem** 1984 Apr; 42(4):1131-4

Effects of vasoactive intestinal peptide and other peptides on cyclic AMP accumulation in intact pieces and isolated horizontal cells of the teleost retina. Watling KJ, et al. **J Neurochem** 1983 Nov;41(5):1205-13

Effects of desensitization to adenosine 5'-triphosphate and vasoactive intestinal polypeptide on non-adrenergic inhibitory responses of longitudinal and circular muscles in the rat ileum. Yagasaki O, et al. **J Pharm Pharmacol** 1983 Dec;35(12):818-20

Interaction of cholecystokinin and vasoactive intestinal polypeptide on function of mouse pancreatic acini in vitro. Burnham DB, et al. **J Physiol (Lond)** 1984 Apr;349:475-82

Effects of vasoactive intestinal polypeptide on renal function in man. Calam J, et al. **J Physiol (Lond)** 1983 Dec; 345:469-75

Effects of vasoactive intestinal polypeptide (VIP) on renal function and plasma renin activity in the conscious rabbit.

Dimaline R, et al. **J Physiol (Lond)** 1983 Nov;344:379–88
Vasoactive intestinal polypeptide influence on lower urinary tract smooth muscle from human and pig. Klarskov P, et al. **J Urol** 1984 May;131(5):1000–4
Effects of vasoactive intestinal polypeptide (VIP) and cyclic AMP on isolated dilator pupillae muscle of albino rabbit eye. Hayashi K, et al. **Jpn J Ophthalmol** 1983;27(4):647–54
Suppressive effect of beta-endorphin on body shaking response to ice water immersion and synergistic action of vasoactive intestinal peptide on beta-endorphin in anesthetized rats. Katsuura G, et al. **Jpn J Physiol** 1983; 33(5):821–6
VIP as a bronchodilator [letter] Altiere RJ, et al. **Lancet** 1984 Jan 21;1(8369):162–3
VIP and asthma [letter] Barnes PJ, et al. **Lancet** 1984 Jan 14;1(8368):112
VIP as bronchodilator [letter] Morice A, et al. **Lancet** 1984 Feb 25;1(8374):457–8
Vasoactive intestinal peptide causes a calcium-dependent stimulation of prolactin secretion in GH4C1 cells. Bjøro T, et al. **Mol Cell Endocrinol** 1984 Aug;37(1):41–50
Prolactin release from MtTW15 and 7315a pituitary tumors is refractory to TRH and VIP stimulation. Judd AM, et al. **Mol Cell Endocrinol** 1984 Jul;36(3):221–8
VIP and noradrenaline act synergistically to increase cyclic AMP in cerebral cortex. Magistretti PJ, et al. **Nature** 1984 Mar 15–21;308(5956):280–2
Behavioral actions of vasoactive intestinal peptide (VIP). Cottrell GA, et al. **Neuropeptides** 1984 Jun;4(4):331–41
Interaction of cholecystokinin with vasoactive intestinal peptide in body shaking response to ice-water immersion in rats. Katsuura G, et al. **Neurosci Lett** 1983 Oct 10; 40(3):299–302
Influence of VIP on thyroid hormone secretion. Ahrén B. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):305–7
VIP inhibits histamine-induced ultrastructural changes related to acid secretion by parietal cells. Anteunis A, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):277–83
Adrenergic versus VIPergic control of cyclic AMP in human colonic crypts. Boige N, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):379–83
VIP elevates platelet cyclic AMP (cAMP) levels and inhibits in vitro platelet activation induced by platelet-activating factor (PAF). Cox CP, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):325–8
Stimulatory effects of Gila monster venom on rat pancreatic acini. Dehaye JP, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):333–7
Activation of cyclic AMP-dependent protein kinase by VIP in blood mononuclear cells. Guerrero JM, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):371–3
Effect of vasoactive intestinal peptide on serotonin release in the suprachiasmatic area of the rat. Modulation by oestradiol. Hery M, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):313–7
Acute stimulation of ganglionic tyrosine hydroxylase activity by secretin, VIP and PHI. Ip NY, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):309–12
Action of vasoactive intestinal peptide (VIP) on amphibian adrenocortical function, in vitro. Leboulenger F, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):299–303
Morphological and functional correlates of VIP neurons in cerebral cortex. Magistretti PJ, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):213–8
Potentiation of cholecystokinin-induced exocrine secretion by either electrical stimulation of the vagus nerve or exogenous VIP administration in the guinea pig pancreas. Matsumoto T, et al. **Peptides (Fayetteville)** 1984 Mar–Apr; 5(2):285–9
The effect of VIP on guinea pig taenia coli requires the whole sequence. Pipkorn R, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):267–9
Indomethacin alters the effects of substance-P and VIP on isolated airway smooth muscle. Regal JF, et al. **Peptides (Fayetteville)** 1983 Jul–Aug;4(4):581–4
Specific decrease of secretin/VIP-stimulated adenylate cyclase in the heart from the Lyon strain of hypertensive rats. Robberecht P, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):355–8
The effects of VIP on cyclic AMP and glycogen levels in vertebrate retina. Schorderet M, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):295–8
Circulatory effects of VIP in anesthetized man. Thulin L, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):319–23
Phosphorylation of 3 particulate proteins in rat pancreatic acini in response to vasoactive intestinal peptide (VIP), secretin and cholecystokinin (CCK-8). Vandermeers A, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):359–65
Endothelial-dependent relaxant effects of vaso-active intestinal polypeptide and arachidonic acid in rat aortic strips. Davies JM, et al. **Prostaglandins** 1984 Feb; 27(2):195–202
The in vitro chronotropic and inotropic effects of vasoactive intestinal peptide (VIP) on the atria and ventricular papillary muscle from Cynomolgus monkey heart. De Neef P, et al. **Regul Pept** 1984 Apr;8(3):237–44
Exocrine secretion of epidermal growth factor from Brunner's glands. Stimulation by VIP and acetylcholine. Kirkegaard P, et al. **Regul Pept** 1983 Dec;7(4):367–72
Vasoactive intestinal polypeptide (VIP) inhibits neurally evoked smooth muscle activity of rat uterine cervix in vitro. Stjernquist M, et al. **Regul Pept** 1984 Mar;8(2):161–7
Effect of vasoactive intestinal peptide on vagally mediated tracheal pouch relaxation. Venugopalan CS, et al. **Respir Physiol** 1984 May;56(2):205–16
Regional vascular influences of vasoactive intestinal polypeptide. Blitz W, et al. **Scand J Gastroenterol** 1983 Sep;18(6):755–63
The effect of vasoactive intestinal polypeptide on meal-stimulated gastric acid secretion in man. Holm-Bentzen M, et al. **Scand J Gastroenterol** 1983 Jul; 18(5):659–61
Effects of ATP, its related nucleotides and VIP on the inhibitory potentials in the smooth muscle cells of the guinea-pig duodenum. Ohkawa H. **Tohoku J Exp Med** 1984 Apr;142(4):409–22
In vitro effects of vasoactive intestinal polypeptide on guinea pig urinary bladder. Finkbeiner AE. **Urology** 1983 Sep; 22(3):275–7
[VIP removes the inhibition of prolactin secretion induced by dopamine in patients with prolactinoma] Tater D, et al. **C R Seances Acad Sci [III]** 1983;297(6):331–4 (Eng. Abstr.) **(Fre)**
[Effects of vasoactive intestinal peptide on the motor function of ciliary muscles of rabbits, dogs, and cattle] Suzuki R, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):709–11 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Failure of vasoactive intestinal peptide to stimulate aldosterone production. Enyedi P, et al. **Acta Physiol Hung** 1983;61(1–2):77–9
Evidence against vasoactive intestinal polypeptide (VIP) as a dilator and in favour of substance P as a constrictor in airway neurogenic responses. Karlsson JA, et al. **Br J Pharmacol** 1983 Jul;79(3):634–6
A study of vasoactive intestinal peptide and acetylcholine as possible mediators of vasodilatation in the cat submandibular gland. Karpinski E, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):650–3
Vasoactive intestinal peptide inhibitory innervation in bovine mesenteric lymphatics. A histochemical and pharmacological study. Ohhashi T, et al. **Circ Res** 1983 Oct;53(4):535–8
Vasoactive intestinal polypeptide-like immunoreactive nerves in diabetic penis. A comparison between streptozotocin-treated rats and man. Crowe R, et al. **Diabetes** 1983 Nov;32(11):1075–7
Effects of vasoactive intestinal polypeptide on hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1984 Jun;18(2):93–100
Vasoactive intestinal peptide stimulation of human thyroid cell function. Toccafondi RS, et al. **J Clin Endocrinol Metab** 1984 Jan;58(1):157–60
The role of vasoactive intestinal polypeptide (VIP) as a hypothalamic neurohormone. Nicosia S, et al. **J Endocrinol Invest** 1983 Jun;6(3):235–42 (53 ref.)
Interaction of vasoactive intestinal peptide with mouse lymphocytes: specific binding and the modulation of mitogen responses. Ottaway CA, et al. **J Immunol** 1984 Jan;132(1):417–23
Activators of cyclic adenosine 3':5'-monophosphate accumulation in rat hippocampal slices: action of vasoactive intestinal peptide (VIP). Etgen AM, et al. **J Neurosci** 1983 Dec;3(12):2487–93
Modulation by vasoactive intestinal peptide (VIP) of serotonin receptors in membranes from rat hippocampus. Rostene WH, et al. **J Neurosci** 1983 Dec;3(12):2414–9
Haemodynamics of pelvic nerve induced penile erection in the dog: possible mediation by vasoactive intestinal polypeptide. Andersson PO, et al. **J Physiol (Lond)** 1984 May;350:209–24
Neural vasodilator control in the rectum of the cat and its possible mediation by vasoactive intestinal polypeptide. Andersson PO, et al. **J Physiol (Lond)** 1983 Nov;344:49–67
Vasoactive intestinal polypeptide: a putative transmitter in the canine gastric muscularis mucosa. Angel F, et al. **J Physiol (Lond)** 1983 Aug;341:641–54
VIP and diarrhoea [editorial] **Lancet** 1984 Jan 28;1(8370):202
Pancreatic cholera: is the diarrhea due to VIP? [editorial] Field M, et al. **N Engl J Med** 1983 Dec 15;309(24):1513–5
Production of secretory diarrhea by intravenous infusion of vasoactive intestinal polypeptide. Kane MG, et al. **N Engl J Med** 1983 Dec 15;309(24):1482–5
VIP and the pancreatic cholera syndrome [letter] Verdin EM, et al. **N Engl J Med** 1984 May 31;310(22):1465–6
Synaptology and sources of vasoactive intestinal polypeptide and substance P containing axons of the cat celiac ganglion. An experimental electron microscopic immunohistochemical study. Léránth C, et al. **Neuroscience** 1983 Nov;10(3):947–58
Overall distribution of vasoactive intestinal polypeptide-containing nerves on the wall of cerebral arteries: an immunohistochemical study using whole-mounts. Matsuyama T, et al. **Neuroscience** 1983 Sep; 10(1):89–96
Evidence that vasoactive intestinal polypeptide is a dilator transmitter to some cerebral and extracerebral cranial arteries. Bevan JA, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):385–8
Distribution and dilatory effect of vasoactive intestinal polypeptide (VIP) in human cerebral arteries. Edvinsson L, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):329–31
VIPergic innervation of diabetic pancreas in rats. Kishimoto S, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):451–8
Vasoactive intestinal polypeptide (VIP): current status. Said SI. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):143–50 (151 ref.)
VIP-innervation of rat intestine: a developmental study with monoclonal antibodies. Sikora LK, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):231–7
Involvement of hypothalamic vasoactive intestinal polypeptide (VIP) in prolactin secretion induced by serotonin in rats. Shimatsu A, et al. **Proc Soc Exp Biol Med** 1984 Apr;175(4):414–6
Neurobiological and neuroendocrine functions of the vasoactive intestinal peptide (VIP). Rostène WH. **Prog Neurobiol** 1984;22(2):103–29 (205 ref.)
Abstracts of the First International Symposium on Vasoactive Intestinal Peptide (VIP) and Related Peptides. Brussels, Belgium, September 14–16, 1983. **Regul Pept** 1983 Jul;6(3):283–338
Vasoactive intestinal polypeptide (VIP) in the pig pancreas: role of VIPergic nerves in control of fluid and bicarbonate secretion. Holst JJ, et al. **Regul Pept** 1984 Apr;8(3):245–59
Vasoactive intestinal polypeptide-like substance: the potential transmitter for cerebral vasodilation. Lee TJ, et al. **Science** 1984 May 25;224(4651):898–901
[Cholecystokinin and vasoactive intestinal polypeptide (VIP) in the central nervous system] Krowicki Z, et al. **Postepy Hig Med Dosw** 1983 Jan–Feb;37(1):75–85 (66 ref.) (Eng. Abstr.) **(Pol)**

SECRETION

Effect of apamin on release of vasoactive intestinal polypeptide (VIP) from the cat intestines. Sjöqvist A, et al. **Acta Physiol Scand** 1983 Sep;119(1):69–76
Vasoactive intestinal peptide-secreting tumor appearing as growth failure. Granot E, et al. **Am J Dis Child** 1983 Dec; 137(12):1203–4
A case of vasoactive intestinal polypeptide secreting ganglioneuroma complicated by parasitic infestations. Tolia V, et al. **Am J Gastroenterol** 1983 Dec;78(12):799–801
Effect of prostaglandin E1 on vasoactive intestinal polypeptide release from the hypothalamus and on prolactin secretion from the pituitary in rats. Shimatsu A, et al. **Endocrinology** 1983 Dec;113(6):2059–64
A pathophysiological study of the intestinal manifestations of a vasoactive intestinal peptide, calcitonin, and catecholamine-secreting tumour. Booth IW, et al. **Gut** 1983 Oct;24(10):954–9
Watery diarrhoea and a vasoactive intestinal peptide secreting ganglioneuroma. Dorney SF, et al. **Med J Aust** 1984 Jan 21;140(2):97–9
Influence of caloric intake on gastric inhibitory polypeptide, VIP and gastrin release in man. Beck B, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):403–6
Prostaglandin D2 stimulates vasoactive intestinal polypeptide release into rat hypophysial portal blood. Shimatsu A, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):395–8
Release of VIP-like immunoreactivity in response to dopamine agonists, insulin hypoglycemia and feeding in conscious dogs. Uvnäs-Moberg K, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):399–402
[Hormone active tumor with production of vasoactive intestinal polypeptide] Jakober B, et al. **Med Welt** 1984 Jan 13;35(1–2):85–91 **(Ger)**

THERAPEUTIC USE

Vasoactive intestinal peptide causes bronchodilatation and protects against histamine-induced bronchoconstriction in asthmatic subjects. Morice A, et al. **Lancet** 1983 Nov 26; 2(8361):1225–7
Vasoactive intestinal peptide as a bronchodilator in asthmatic subjects. Morice AH, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):439–40

VASOCONSTRICTION

Dynamic recording of vasoconstrictor response to increased vascular transmural pressure. A study in patients with lower limb atherosclerosis. Stranden E. **Acta Chir Scand** 1984;150(1):25–30
Raised intracellular sodium does not cause myogenic contraction of resting rat 150-microns mesenteric resistance vessels. Mulvany MJ, et al. **Acta Med Scand [Suppl]** 1983; 677:60–3
Comparative vascular effects of stimulation continuously and in bursts of the sympathetic nerves to cat skeletal muscle. Andersson PO. **Acta Physiol Scand** 1983 Aug;118(4):343–8
Calcium entry and the contraction of vascular smooth muscle. Vanhoutte PM, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:569–73 (14 ref.)
Hemodynamic determinants of coronary constriction in human myocardial bridges. Carvalho VB, et al. **Am Heart J** 1984 Jul;108(1):73–80
Hypercapnia potentiates renal vasoconstriction during hemorrhagic hypotension in awake rabbits. Busija DW. **Am J Physiol** 1984 May;246(5 Pt 2):H671–4
Quantitation of rhythmic diameter changes in arterial microcirculation. Colantuoni A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H508–17
Reflex regional vascular responses during passive gastric distension in cats. Longhurst JC, et al. **Am J Physiol** 1984

Aug;247(2 Pt 2):R257–65
Time course and responses of sustained hypoxic pulmonary vasoconstriction in the dog. Domino KB, et al. **Anesthesiology** 1984 Jun;60(6):562–6
Abnormal reflex vasoconstriction to cold stimulation in forearm of patients with variant angina. Nakamura Y, et al. **Angiology** 1984 Mar;35(3):177–82
Blood volume pulse biofeedback in the treatment of migraine headache: a controlled evaluation. Gauthier J, et al. **Biofeedback Self Regul** 1983 Sep;8(3):427–42
Protracted anuria due to active renal vasoconstriction in malignant hypertension. Meyrier A, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1045–6
Laminar flow due to venous valves masquerading as vein graft spasm. Singh RN, et al. **Cathet Cardiovasc Diagn** 1983; 9(6):569–75
Impaired 5-hydroxytryptamine tachyphylaxis in migraine. Sicuteri F, et al. **Cephalalgia** 1983 Sep;3(3):139–42
Is acute tolerance to 5-hydroxytryptamine opioid dependent? Its absence in migraine sufferers. Sicuteri F. **Cephalalgia** 1983 Sep;3(3):187–90
Alpha-adrenergic-mediated reduction in coronary blood flow secondary to carotid chemoreceptor reflex activation in conscious dogs. Murray PA, et al. **Circ Res** 1984 Jan; 54(1):96–106
Micropuncture measurement of lung microvascular pressure profile during hypoxia in cats. Nagasaka Y, et al. **Circ Res** 1984 Jan;54(1):90–5
Vasoconstrictor systems supplying skeletal muscle, skin, and viscera. Jänig W. **Clin Exp Hypertens [A]** 1984; 6(1–2):329–46
The renin system for long-term control over vasoconstriction and sodium-volume homeostasis in the spectrum of hypertension: three new frontiers in research. Laragh JH. **Clin Exp Hypertens [A]** 1983;5(7–8):921–39
Vasoactivity generated from platelets by immune complexes in pre-eclampsia. Medcalf RL, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):369–73
Intense vasoconstriction and bradycardia evoked by stimulation of neurones within the midbrain ventral tegmentum of the rabbit. Tan E, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):305–9
Sympathetic vasoconstrictor nerve function in alcoholic neuropathy. Jensen K, et al. **Clin Physiol** 1984 Jun; 4(3):253–62
Release and vasoconstrictor effect of leukotriene C-like immunoreactive material in the anaphylactic guinea-pig mesenteric vascular bed. Dembinska-Kieć A, et al. **Eur J Pharmacol** 1984 Jun 1;101(3–4):259–62
Wave pattern analyses for cold vaso-oscillation. Ueda G, et al. **Int J Biometeorol** 1983 Jul;27(2):157–64
The effect of vasospasm on perfusion radionuclide imaging in experimental pulmonary embolism. Feigin DS, et al. **Invest Radiol** 1983 Sep–Oct;18(5):463–9
Hypoxic pulmonary vasoconstriction during steady and pulsatile flow in ferrets. Gregory TJ, et al. **J Appl Physiol** 1984 Jul;57(1):205–12
A three-compartment model of the pulmonary vasculature: effects of vasoconstriction. Linehan JH, et al. **J Appl Physiol** 1983 Sep;55(3):923–8
Angiotensin is not required for hypoxic constriction in salt solution-perfused rat lungs. McMurtry IF. **J Appl Physiol** 1984 Feb;56(2):375–80
Site and sensitivity for stimulation of hypoxic pulmonary vasoconstriction. Marshall C, et al. **J Appl Physiol** 1983 Sep;55(3):711–6
Inhibition of glycolysis potentiates hypoxic vasoconstriction in rat lungs. Stanbrook HS, et al. **J Appl Physiol** 1983 Nov; 55(5):1467–73
Pulmonary vasoconstrictor response to acute decrease in blood P50. Teisseire BP, et al. **J Appl Physiol** 1984 Feb; 56(2):370–4
Beta-adrenoreceptor-mediated modulation of vasoconstriction in rat isolated perfused mesenteric arteries. Borkowski KR, et al. **J Auton Pharmacol** 1983 Dec; 3(4):275–9
Increased alpha 2-adrenoreceptor mediated vascular contraction in diabetic rats. Scarborough NL, et al. **J Auton Pharmacol** 1983 Sep;3(3):177–83
Cellular sodium concentration and vasoconstrictor state in hypertension. Poston L, et al. **J Cardiovasc Pharmacol** 1984; 6 Suppl 1:S16–20
Retroglenoid venoconstriction and its influence on canine intracranial venous pressures. Pearce WJ, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):373–80
Bilateral vasoconstrictive differences and body focus. Retzlaff PD, et al. **J Gen Psychol** 1983 Jul;109(1st Half):113–7
Possible role of nickel ions in the pathogenesis of ischemic coronary vasoconstriction in the dog heart. Rubanyi G, et al. **J Mol Cell Cardiol** 1984 Jun;16(6):533–46
Conditions for secretion of vasopressin in pressor amounts in water-replete rats. Iriuchijima J. **Jpn J Physiol** 1983; 33(6):887–94
Adult sympathetic and vascular dysfunction in experimental juvenile-onset diabetes mellitus. Mueller SM. **Microvasc Res** 1984 Jul;28(1):75–86
Inaccuracies in blood flow estimates in microvessels during arteriolar vasoconstriction. Proctor KG, et al. **Microvasc Res** 1984 Jul;28(1):23–36
Enhanced alpha-adrenoceptor-mediated vasoconstriction contributes to increased vascular resistance in essential hypertension. Bolli P, et al. **Neth J Med** 1984;27(4):140–5
Characterization of the stimulus-response curve for hypoxic pulmonary vasoconstriction. Marshall C, et al. **Pflugers Arch** 1983 Jul;398(2):93–5
Cooling augments platelet-induced contraction of peripheral arteries of the dog. Lindblad LE, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):119–22
Pulmonary vascular reactivity after acute lung injury. Rounds S, et al. **Prog Clin Biol Res** 1983;136:133–40
Hypoxic pulmonary vasoconstriction in chronically hypoxic rats. Bee D, et al. **Respir Physiol** 1984 Apr;56(1):91–103
Hypoxic pressor responses in lungs from rats acutely exposed to simulated high altitude. Greenlees KJ, et al. **Respiration** 1984;45(3):169–74
Magnesium deficiency and hypertension: correlation between magnesium-deficient diets and microcirculatory changes in situ. Altura BM, et al. **Science** 1984 Mar 23; 223(4642):1315–7
Microcirculatory norepinephrine constrictor response in hemorrhagic shock. Flint LM, et al. **Surgery** 1984 Aug; 96(2):240–7
The mechanism of peripheral vasoconstriction during nonpulsatile cardiopulmonary bypass. Chiu IS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Apr;83(4):352–8
The endothelium and vascular spasm. Thulesius O. **Vasa** 1984;13(2):126
Contribution of dynamic vascular wall thickening to luminal narrowing during coronary arterial vasomotion. Serruys PW, et al. **Z Kardiol** 1983;72 Suppl 3:116–23
[Vasomotor reactivity in 1st degree relations of manifest diabetics] Dvořáková L, et al. **Cas Lek Cesk** 1983 Apr 22; 122(16):491–3 (Eng. Abstr.) **(Cze)**
[Generalized vessel contraction following intra-amnion administration of prostaglandin F2alpha] Harder VV, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3998 (Eng. Abstr.) **(Dan)**
[Left ventricular function and activity of vasoconstrictor systems in patients with chronic heart insufficiency] Manthey J, et al. **Z Kardiol** 1984 Apr;73(4):279–88 (Eng. Abstr.) **(Ger)**
[Increased metabolism of vasoconstricting proteins in the renal artery of hypertensive patients and animals] Nakada T, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):849–51 **(Jpn)**
[Pathophysiology of hypertension. d. Vascular reactions] Doba N, et al. **Nippon Rinsho** 1984 Feb;42(2):346–51 **(Jpn)**
[Epicardial coronary vasomotor action as a physiopathologic mechanism of myocardial ischemia] Gaspar J, et al. **Arch Inst Cardiol Mex** 1983 Sep–Oct;53(5):455–67 (104 ref.) **(Spa)**

DRUG EFFECTS

Influence of dixyrazine on intestinal and renal vasoconstrictor responses during fentanyl-nitrous oxide anaesthesia. Winsö O, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):458–63
Calcium antagonist verapamil inhibits adenosine-induced renal vasoconstriction in the dog. Miklós ES, et al. **Acta Physiol Hung** 1984;63(2):161–5
Effect of cardiac glycosides on the coronaries: physiologic and morphologic studies in the dog heart. Sótonyi P, et al. **Acta Physiol Hung** 1984;63(2):153–60
Effect of beta adrenoreceptor blocking drugs on the responses of isolated rat mesenteric arteries. Risler NR, et al. **Acta Physiol Lat Am** 1983;33(2):171–80
Segmental distribution of vascular resistances during ureteral occlusion. The vasoconstrictive effects of angiotensin and CaCl2 differ from those of catecholamines and renal nerve stimulation. Vikse A, et al. **Acta Physiol Scand** 1983; 119(2):147–58
Vascular reactivity and calcium-entry blockers. Van Nueten JM, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:575–83 (48 ref.)
Effect of adrenaline on capillary diameter in the frog mesentery. Dietrich HH, et al. **Adv Exp Med Biol** 1984; 169:747–53
Comparative effects of noradrenaline and serotonin in a central and a peripheral artery in vitro. Tayo FM. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):139–43
Reduced vasoconstrictor response after angioplasty in normal rabbit aortas. Wolf GL, et al. **AJR** 1984 May;142(5):1023–5
Angiotensin causes vasoconstriction during hemorrhage in baroreceptor-denervated dogs. Averill DB, et al. **Am J Physiol** 1983 Oct;245(4):H667–73
Effects of nimodipine on cerebral vasoconstrictor responses. Haws CW, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H170–6
Mechanisms of the central pressor action of angiotensin II in conscious rats. Lappe RW, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R56–62
Hydralazine does not inhibit canine hypoxic pulmonary vasoconstriction. Bishop MJ, et al. **Am Rev Respir Dis** 1983 Dec;128(6):998–1001
Nifedipine inhibits hypoxic pulmonary vasoconstriction during rest and exercise in patients with chronic obstructive pulmonary disease. A controlled double-blind study. Kennedy TP, et al. **Am Rev Respir Dis** 1984 Apr; 129(4):544–51
Nifedipine inhibits hypoxic pulmonary vasoconstriction during rest and exercise in patients with cystic fibrosis and cor pulmonale. Michael JR, et al. **Am Rev Respir Dis** 1984 Sep;130(3):516–9
Nifedipine attenuates acute hypoxic pulmonary vasoconstriction in awake piglets. Redding GJ, et al. **Am Rev Respir Dis** 1984 May;129(5):785–9
Catastrophic pulmonary vasoconstriction associated with protamine reversal of heparin. Lowenstein E, et al. **Anesthesiology** 1983 Nov;59(5):470–3
Effects of halothane, enflurane, and isoflurane on hypoxic pulmonary vasoconstriction in rat lungs in vitro. Marshall C, et al. **Anesthesiology** 1984 Apr;60(4):304–8
Naloxone: effects on hypoxic pulmonary vasoconstriction. Bar-Or D, et al. **Ann Emerg Med** 1984 Jul;13(7):495–8
The inhibitory effect of dopaminomimetics on nerve stimulation-induced vasoconstriction of the cat's carotid artery. György L, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):96–102
Inhibitory effect of ketanserin on ergonovine-induced contractions of isolated canine coronary arteries. Van Beek J, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):167–71
Effect of Ca2+-entry blockade and serotonergic antagonism on contractions of hypoxic isolated canine coronary arteries. Van Nueten JM, et al. **Arch Int Pharmacodyn Ther** 1983 Sep;265(1):172–6
Effects of verapamil and manganese on the vasoconstrictor responses to noradrenaline, serotonin and potassium in human and goat cerebral arteries. Salaices M, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2711–4
The mode of ATP-induced vasoconstriction in the canine internal carotid artery. Kawai Y, et al. **Blood Vessels** 1984; 21(2):98–104
An assessment of the relationship between vasoconstrictor assay findings, clinical efficacy and skin thinning effects of a variety of undiluted and diluted corticosteroid preparations. Gibson JR, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:204–12
Anaphylactic contraction (Schultz-Dale reaction) of the bovine bronchial artery in vitro. Alexander DI, et al. **Br J Pharmacol** 1983 Sep;80(1):7–9
Vascular reactivity in rats with glycerol-induced acute renal failure. Bowmer CJ, et al. **Br J Pharmacol** 1984 Jan; 81(1):69–73
Effect of glucocorticoids on vascular reactivity to vasoactive hormones in rat isolated kidney: lack of relationship to prostaglandins. Cooper CL, et al. **Br J Pharmacol** 1984 Jul;82(3):679–88
Non-competitive antagonism of the alpha-adrenoceptor-mediated fast component of contraction of rat aorta, by doxazosin and prazosin. Downing OA, et al. **Br J Pharmacol** 1983 Oct;80(2):315–22
Action of almitrine on the pulmonary vasculature in ferrets and rats. Bee D, et al. **Bull Eur Physiopathol Respir** 1983 Nov–Dec;19(6):539–45
Interaction of histamine with noradrenergic constrictory mechanisms in cat cerebral arteries and veins. Gross PM, et al. **Can J Physiol Pharmacol** 1983 Jul;61(7):756–63
Effect of angiotensin-converting enzyme inhibitor Hoe-498 on noradrenaline-induced vasoconstriction in isolated perfused mesentery of rats. Xiang JZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):104–5
Augmented responses to vasoconstrictor stimuli in hypercholesterolemic and atherosclerotic monkeys. Heistad DD, et al. **Circ Res** 1984 Jun;54(6):711–8
Increased venous pressure causes myogenic constriction of cerebral arterioles during local hyperoxia. Wei EP, et al. **Circ Res** 1984 Aug;55(2):249–52
Selective impairment of baroreflex-mediated vasoconstrictor responses in patients with ventricular dysfunction. Ferguson DW, et al. **Circulation** 1984 Mar;69(3):451–60
Quantitative pharmacologic responses of normal and atherosclerotic isolated human epicardial coronary arteries. Ginsburg R, et al. **Circulation** 1984 Feb;69(2):430–40
Selective hypercontraction caused by ergonovine in the canine coronary artery under conditions of induced atherosclerosis. Kawachi Y, et al. **Circulation** 1984 Feb; 69(2):441–50
An attempt to evaluate the relative clinical potencies of various diluted and undiluted proprietary corticosteroid preparations. Gibson JR, et al. **Clin Exp Dermatol** 1983 Sep;8(5):489–93
Interference by inhibitors of the renin-angiotensin system with neurogenic vasoconstriction. Clough DP, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):1287–99
Reversal of adrenaline-induced contraction in the rabbit pulmonary artery by clonidine. Katsuragi T, et al. **Clin Exp Pharmacol Physiol** 1984 May–Jun;11(3):269–74
Alpha 2 adrenoceptor-mediated vasoconstriction of arteries. Kiowski W, et al. **Clin Pharmacol Ther** 1983 Nov; 34(5):565–9
A comparison of the potencies of several diluted and undiluted corticosteroid preparations using the vasoconstrictor assay. Kirsch J, et al. **Dermatologica** 1983; 167(3):138–41
Leukotriene D4-induced vasoconstriction of coronary arteries in anaesthetized dogs. Fiedler VB, et al. **Eur Heart J** 1984 Mar;5(3):253–60
Comparative effects of nifedipine and diltiazem on vascular responses to norepinephrine and angiotensin II. Jover B, et al. **Eur Heart J** 1983 Nov;4 Suppl G:21–5
Influence of pizotifen and ergotamine on the venoconstrictor effect of 5-hydroxytryptamine and noradrenaline in man. Aellig WH. **Eur J Clin Pharmacol** 1983;25(6):759–62
Augmented vasoconstrictor response to head-up tilt in

peripheral tissues during beta-receptor blockade. Skagen K. **Eur J Clin Pharmacol** 1983;25(1):3-7
Antagonism by tetrahydro-beta-carboline of the vasoconstrictor responses to tryptamine in rat tail arteries. Hicks PE, et al. **Eur J Pharmacol** 1983 Dec 9;96(1-2):145-9
Attenuation of sympathetic vasoconstriction by nifedipine: the role of vascular alpha 2-adrenoceptors. Saeed M, et al. **Eur J Pharmacol** 1983 Oct 14;94(1-2):149-53
Alpha 1-adrenoceptor-mediated vasoconstriction in vivo to enantiomers of SK & F 89748-A. Timmermans PB, et al. **Eur J Pharmacol** 1984 May 18;101(1-2):45-55
Ketanserin and vascular contractions in response to cooling. Van Nueten JM, et al. **Eur J Pharmacol** 1984 Apr 6; 99(4):329-32
Vasoconstriction of the vasa afferentia in the rat kidney after long-term adrenaline application. Sadjak A, et al. **Exp Pathol** 1984;25(1):19-25
Relative potency and selectivity of calcium antagonists used in the treatment of migraine. Peroutka SJ, et al. **Headache** 1984 Mar;24(2):55-8
Adrenergic vasoconstriction as a cause of inadequate hypotensive response to beta-adrenergic blockade. Birkenhäger WH, et al. **Hypertension** 1983 Sep-Oct;5(5 Pt 2):III31-5
Postsynaptic alpha 2-adrenergic receptor-mediated vasoconstriction in SHR tail arteries in vitro. Hicks PE, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I12-8
Reduced myocardial blood flow resulting from dynamic changes in coronary artery stenosis. Bove AA, et al. **Int J Cardiol** 1983 Oct;4(3):301-17
Effect of labetalol and propranolol on human cutaneous vasoconstrictor response to adrenaline. Doshi BS, et al. **Int J Clin Pharmacol Res** 1984;4(1):25-8
The tripeptide ZAMI-420 inhibits thromboxane-induced gastric vasoconstriction and ischaemia. Moroni D, et al. **Int J Tissue React** 1983;5(3):249-52
Oxidant- and lipid-induced pulmonary vasoconstriction mediated by arachidonic acid metabolites. Gurtner GH, et al. **J Appl Physiol** 1983 Sep;55(3):949-54
Metabolic and respiratory hydrogen ion effects on hypoxic pulmonary vasoconstriction. Marshall C, et al. **J Appl Physiol** 1984 Aug;57(2):545-50
Leukotriene synthesis and receptor blockers block hypoxic pulmonary vasoconstriction. Morganroth ML, et al. **J Appl Physiol** 1984 May;56(5):1340-6
Effect of puberty and estradiol on hypoxic vasomotor response in isolated sheep lungs. Wetzel RC, et al. **J Appl Physiol** 1984 May;56(5):1199-203
An altered beta-adrenoreceptor-mediated modulation of noradrenaline-induced vasoconstriction in spontaneously hypertensive rat mesenteric arteries. Borkowski KR, et al. **J Auton Pharmacol** 1984 Mar;4(1):27-31
Calcium entry blocking drugs, 'calcium antagonists' and vascular smooth muscle function. Bou J, et al. **J Auton Pharmacol** 1983 Sep;3(3):219-32 (104 ref.)
Modulation of sympathetic vasoconstriction by potassium. Dietz R, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S230-5
Nifedipine prevents sympathetic vasoconstriction distal to severe coronary stenoses. Heusch G, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):378-83
Forearm vasoconstrictor response to ouabain: studies in patients with mild and moderate essential hypertension. Hulthén UL, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S75-81
Hemodynamic effects of antagonists of the vasoconstrictor action of vasopressin in conscious dogs. Liard JF, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):713-9
Effects of a cardiotonic agent, TA-064, on isolated canine cerebral, coronary, femoral, mesenteric, and renal arteries. Ozaki N, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct; 5(5):818-21
Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 1-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):829-35
Interaction between beta 2-adrenoceptor-mediated vasodilation and alpha 2-adrenoceptor-mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):822-8
Erythrocyte extracts enhance neurogenic vasoconstriction of dog cerebral arteries in vitro. Lee TJ, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):474-6
Effects of naloxone on canine cerebral vascular smooth muscle. Sasaki T, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):166-72
Oxygen metabolites stimulate thromboxane production and vasoconstriction in isolated saline-perfused rabbit lungs. Tate RM, et al. **J Clin Invest** 1984 Aug;74(2):608-13
Mannitol causes compensatory cerebral vasoconstriction and vasodilation in response to blood viscosity changes. Muizelaar JP, et al. **J Neurosurg** 1983 Nov;59(5):822-8
Digoxin-specific antibody fragments and a calcium antagonist for reversal of digoxin-induced mesenteric vasoconstriction. Hess T, et al. **J Pharm Pharmacol** 1983 Oct;35(10):647-51
Differential effects of vasodilators on the mobilization of calcium pools during contractions of rabbit ear artery induced by noradrenaline and high potassium. Maggi CA, et al. **J Pharm Pharmacol** 1984 Jan;36(1):27-30
Differential effects of the calcium entry blocker D 600 on contractions of rat and guinea-pig aortas, elicited by various alpha-1 adrenoceptor agonists. Beckeringh JJ, et al. **J Pharmacol Exp Ther** 1984 May;229(2):515-21
Induction of Ca++ influx and intracellular Ca++ release in isolated rat aorta and mesenteric resistance vessels by norepinephrine activation of alpha-1 receptors. Cauvin C, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):413-8
Vasoconstrictor response induced by 5-hydroxytryptamine released from vascular adrenergic nerves by periarterial nerve stimulation. Kawasaki H, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):816-22
Nonadrenergic nature of prazosin-resistant, sympathetic contraction in the dog mesenteric artery. Muramatsu I, et al. **J Pharmacol Exp Ther** 1984 May;229(2):532-8
Analysis of the vasoconstrictor responses to potassium depolarization and norepinephrine and their antagonism by differing classes of vasodilators in the perfused rat hindquarters. Sybertz EJ, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):621-6
Evaluation of the isolated perfused heart of mice, with special reference to vasoconstriction caused by intracoronary acetylcholine. Sakai K, et al. **J Pharmacol Methods** 1983 Dec;10(4):263-70
Isolated perfused rabbit coronary artery and aortic strip preparations: the role of endothelium-derived relaxant factor. Griffith TM, et al. **J Physiol (Lond)** 1984 Jun; 351:13-24
Active reactions of the rabbit ear artery to distension. Speden RN. **J Physiol (Lond)** 1984 Jun;351:631-43
Alpha adrenergic receptor activity of epicardial coronary artery in the anesthetized dog. Ootsubo H, et al. **Jpn Circ J** 1984 Jun;48(6):596-601
Contractile responses of canine coronary collateral vessels. Akita H, et al. **Jpn Heart J** 1984 Jan;25(1):93-103
Changes in the effects of clonidine on left atrium and hindlimb vasculature of rats in various thyroid states. A study of the responsiveness of alpha 2-adrenoceptors in the cardiovascular system. Ohguchi S, et al. **Jpn Heart J** 1984 May;25(3):425-37
Effect of pH alterations on the vascular reactivity of dog isolated perfused mesenteric arteries. Chiba S, et al. **Jpn J Pharmacol** 1984 Apr;34(4):465-7
A comparison of the effects of diltiazem and nitroglycerin on the norepinephrine-induced contractions in the isolated femoral artery and vein. Nakajima H, et al. **Jpn J Pharmacol** 1983 Dec;33(6):1282-5
Different modes of action of clonidine on isolated canine veins. Tsuru H, et al. **Jpn J Pharmacol** 1983 Oct; 33(5):1089-91
Differential prejunctional effect of captopril and saralasin on neurogenic vasoconstriction in pithed normotensive rats. De Jonge A, et al. **Life Sci** 1984 Apr 9;34(15):1433-9
Leu-enkephalin provokes naloxone-insensitive pulmonary vasoconstriction. Gillespie MN, et al. **Life Sci** 1984 Mar 19;34(12):1177-83
Participation of mast cell 5-hydroxytryptamine in the vasoconstrictor effect of neurotensin in the rat perfused hindquarter. Kérouac R, et al. **Life Sci** 1984 Mar 5; 34(10):947-59
Effect of calcium membrane blockers on in vivo vasoconstrictor properties of norepinephrine, angiotensin II and vasopressin. Goldberg JP, et al. **Miner Electrolyte Metab** 1984;10(3):178-83
Effect of aminophylline on renal vasoconstriction produced by amphotericin B in the rat. Heidemann HT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(2):148-52
Tissue specific susceptibility of alpha-adrenoceptor mediated vasoconstriction to nifedipine. Müller-Schweinitzer E. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Sep; 324(1):64-9
Differential effect of calcium entry blockers on alpha 1-adrenoceptor-mediated vasoconstriction in vivo. Timmermans PB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):239-45
The calcium antagonist properties of cyproheptadine: implications for antimigraine action. Peroutka SJ, et al. **Neurology (NY)** 1984 Mar;34(3):304-9
Pulmonary vasoactivity of lung endocrine cell-related peptides. Gillespie MN, et al. **Peptides (Fayetteville)** 1984 Jan-Feb;5(1):21-4
Postjunctional localization of substance P receptors on the rat portal vein. Mastrangelo D, et al. **Pharmacology** 1983; 27(6):305-18
Vascular reactivity to adrenergic agents and neuronal and vascular catecholamine levels in spontaneously hypertensive rats. Sun CL, et al. **Pharmacology** 1983; 27(6):319-24
Coronary vascular actions of the converting enzyme inhibitor, enalapril. Lefer DJ, et al. **Proc Soc Exp Biol Med** 1984 Feb;175(2):211-4
Vasoconstrictor effects of leukotrienes C4 and D4 in the feline mesenteric vascular bed. Lippton HL, et al. **Prostaglandins** 1984 Feb;27(2):233-43
Constriction of fetal ductus arteriosus by non-steroidal anti-inflammatory drugs. Momma K, et al. **Prostaglandins** 1983 Oct;26(4):631-43
Studies on the mechanism of leukotriene induced coronary artery constriction. Roth DM, et al. **Prostaglandins** 1983 Oct;26(4):573-81
Influence of arachidonic acid on vasoconstrictor responses in the rabbit hindquarters vascular bed. Lippton HL, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):125-36
Vasoconstrictive effects of prostaglandin F2 alpha angiography on colonic lesions. Yuasa Y, et al. **Radiology** 1984 May;151(2):305-9
Differential blocking effects of prazosin and yohimbine on vasopressor responses to sympathetic nerve stimulation and intravenous norepinephrine in the pithed rat. Lee JY, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):97-112
Zymosan activation of plasma reduces hypoxic pulmonary vasoconstriction. Weir EK, et al. **Respir Physiol** 1983 Sep; 53(3):295-306
Restoration of hypoxic pulmonary vasoconstriction following normoxia in isolated dog lungs occurs in the presence but not in the absence of prostaglandin synthesis inhibitors. Littner MR, et al. **Respiration** 1983;44(6):450-9
Role of intrinsic arachidonate metabolites in the vascular action of erythrocyte breakdown products. Okamoto S, et al. **Stroke** 1984 Jan-Feb;15(1):60-4
Mechanisms of the contractile effect induced by uridine 5-triphosphate in canine cerebral arteries. Shirasawa Y, et al. **Stroke** 1983 May-Jun;14(3):347-55
Methylprednisolone [letter] Coulson A. **Vet Rec** 1984 Aug 11;115(6):134-5
[Antagonistic effects of tetrandrine on ouabain-induced contraction of coronary arterial strips] Cha ZL, et al. **Chung Kuo Yao Li Hsueh Pao** 1983 Sep;4(3):177-9 (Eng. Abstr.) **(Chi)**
[Effects of tetrandrine on contractility of isolated pig coronary artery strips] Jia JF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):32-5 (Eng. Abstr.) **(Chi)**
[POR 8 (ornipressin). Local vasoconstrictive effect and hemodynamic activity during surgery in ENT clinics] Hirlinger WK, et al. **Anaesthesist** 1984 Mar;33(3):149-53 (Eng. Abstr.) **(Ger)**
[The effect of urea in a topical corticoid preparation on vasoconstriction] Früh H. **Z Hautkr** 1983 Aug 15; 58(16):1203-5 (Eng. Abstr.) **(Ger)**
[Effects of platelet activating factor (PAF:AGEPC) on airway and pulmonary vascular constriction of guinea pigs—with special reference to the relation with TXA2] Hamasaki Y, et al. **Kokyu To Junkan** 1983 Jul;31(7):755-61 (Eng. Abstr.) **(Jpn)**
[New therapeutic agents and hypoxic pulmonary vasoconstriction] Watanabe S. **Kokyu To Junkan** 1983 Aug; 31(8):820-7 (63 ref.) **(Jpn)**
[Effect of leukotriene C4 and D4 on rabbit aorta and pulmonary artery strips] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Mar;21(3):240-6 (Eng. Abstr.) **(Jpn)**
[Increase in the venous return during extracorporeal circulation due to the vasoconstrictor effect of dopamine] de Moraes Silva MA, et al. **Rev Paul Med** 1983 Jul-Aug; 101(4):136-40 (Eng. Abstr.) **(Por)**

VASOCONSTRICTOR AGENTS

Coronary vasoconstrictor and vasodilator actions of arachidonic acid in the isolated perfused heart of the rat. Belo SE, et al. **Br J Pharmacol** 1982 Feb;75(2):269-86
Hepatic venoconstrictor effects of isoproterenol and nifedipine in anesthetized cats. Seaman KL, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):665-72
Investigation of the venoconstrictor effect of 8' hydroxydihydroergotamine, the main metabolite of dihydroergotamine, in man. Aellig WH. **Eur J Clin Pharmacol** 1984;26(2):239-42
Potentiating effect of methysergide on norepinephrine-induced constriction of the isolated internal carotid artery of the dog. Tsuji T, et al. **Jpn J Pharmacol** 1984 Jan;34(1):95-101

ADMINISTRATION & DOSAGE

[Use of the vasoconstrictor preparation POR 8 Sandoz in gynecological surgical practice] Bobchev T, et al. **Akush Ginekol (Sofiia)** 1984;23(1):71-4 (Eng. Abstr.) **(Bul)**
[Procedure in endovascular interventions in hemorrhages from the upper sections of the digestive tract] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):3-7 (Eng. Abstr.) **(Rus)**
[Possibilities of correction of circulatory disorders in traumatic shock by combined administration of vasoactive agents] Seleznev SA, et al. **Patol Fiziol Eksp Ter** 1984 Jan-Feb;(1):41-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Rhinitis medicamentosa. Conceptualization, incidence, and treatment. Fleece L, et al. **Ala J Med Sci** 1984 Apr; 21(2):205-8 (14 ref.)
Effects of vasoconstrictors [letter] Cawson RA. **J Am Dent Assoc** 1984 Apr;108(4):462, 464, 466

ANTAGONISTS & INHIBITORS

Antagonism of prostanoid-induced vascular contraction by 13-azaprostanoic acid (13-APA). Horn PT, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):609-13

BLOOD

Effects of circulating levels of vasoconstrictors on systemic

pressor responsiveness to angiotensin II and norepinephrine. Clark KE. **Am J Obstet Gynecol** 1984 Jul 1;149(5):480–4

Formation of a vasopressor substance in the incubated serum of patients with various hypertensive diseases. Maebashi M, et al. **Tohoku J Exp Med** 1984 Feb;142(2):173–82

CEREBROSPINAL FLUID

CSF smooth-muscle constrictor activity associated with cerebral vasospasm and mortality in SAH patients. Kaye AH, et al. **J Neurosurg** 1984 May;60(5):927–34

CHEMICAL SYNTHESIS

Antidiuretic and pressor activities of vasopressin analogs with L-alaninamide and D-alaninamide substitutions at position 9. Buku A, et al. **Int J Pept Protein Res** 1984 May; 23(5):551–7

PHARMACODYNAMICS

Effect of vasoactive agents on prostanoids in suction blister fluid. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1983; 63(6):536–8

Effects of serotonin and histamine on proximal and distal coronary vasculature in dogs: comparison with alpha-adrenergic stimulation. Bove AA, et al. **Am J Cardiol** 1983 Dec 1;52(10):1333–9

Isolated human coronary arteries in response to vasoconstrictor substances. Toda N. **Am J Physiol** 1983 Dec;245(6):H937–41

Vasoconstrictors in spinal anesthesia with tetracaine--a comparison of epinephrine and phenylephrine. Concepcion M, et al. **Anesth Analg** 1984 Feb;63(2):134–8

Inotropic and vasopressor agents. Smith LD, et al. **Br J Anaesth** 1984 Jul;56(7):767–80 (96 ref.)

Regional differences in the response to vasoconstrictor agents of dog and monkey isolated coronary arteries. Miwa K, et al. **Br J Pharmacol** 1984 May;82(1):295–301

Effects of sodium and calcium concentrations on the potentiation by indomethacin of the responses of rabbit mesenteric and coeliac arteries to vasoconstrictor agonists. Novelli EL, et al. **Br J Pharmacol** 1983 Nov;80(3):445–50

Beta 2-adrenoceptor-induced hypotension in the ganglion-blocked angiotensin II-supported rat. Brown NL, et al. **Eur J Pharmacol** 1983 Sep 2;92(3–4):285–9

Alterations in vascular sensitivity to vasoactive agents after discontinuation of propranolol in SHR. Kubota T, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):249–54

Calcium-entry blockade and pressor effect of angiotensin II in normal and nephrectomized rats. Iaina A, et al. **Isr J Med Sci** 1984 Mar;20(3):207–10

Vasoconstrictors and local anesthesia: a review and rationale for use. Jastak JT, et al. **J Am Dent Assoc** 1983 Oct; 107(4):623–30 (75 ref.)

Interaction of epoprostenol (PGI2) with vasoconstrictors on diameter of large coronary arteries of the dog. Dusting GJ, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb;6(1):20–7

The pharmacologic manipulation of blood flow in hyperthermia therapy. Olch AJ, et al. **J Surg Oncol** 1983 Dec;24(4):292–7

Abnormal response of tumor vasculature to vasoactive drugs. Chan RC, et al. **JNCI** 1984 Jan;72(1):145–50

Contractile responses of canine coronary collateral vessels. Akita H, et al. **Jpn Heart J** 1984 Jan;25(1):93–103

Drinking and feeding inhibition by ICV pulse injection or infusion of bombesin, ranatensin and litorin to rats. de Caro G, et al. **Peptides (Fayetteville)** 1984 May-Jun;5(3):607–13

Effects of calcium channel blockers on pial vascular responses to receptor mediated constrictors. Rosenblum WI. **Stroke** 1984 Mar-Apr;15(2):284–7

The vasoactive potential of halostachine, an alkaloid of tall fescue (Festuca arundinaceae, Schreb) in cattle. Davis CB, et al. **Vet Hum Toxicol** 1983 Dec;25(6):408–11

[Peridural anesthesia with etidocaine. Clinical studies on the effect of vasoconstrictors on sensory and motor blockade] Koch T, et al. **Reg Anaesth** 1984 Apr;7(2):39–43 (Eng. Abstr.) **(Ger)**

[The effect of urea in a topical corticoid preparation on vasoconstriction] Früh H. **Z Hautkr** 1983 Aug 15; 58(16):1203–5 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Blind study of basophilic cells in nasal smears from patients with grass pollen hay fever. Wihl JA, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):383–6

VASOCONSTRICTOR AGENTS, NASAL

ADMINISTRATION & DOSAGE

What use are nose drops? [editorial] Pracy R. **Arch Dis Child** 1983 Dec;58(12):946

Orally administered decongestant drugs in disorders of the upper respiratory passages: a survey of clinical results. Anggård A, et al. **Clin Otolaryngol** 1984 Feb;9(1):43–9

A comparative preference study between xylometazoline nasal dose spray (Otrivin) and oxymetazoline single-dose pipettes (Nezeril). Ekedahl C, et al. **Rhinology** 1983 Sep; 21(3):287–8

ADVERSE EFFECTS

Visual hallucinations in children receiving decongestants. Sankey RJ, et al. **Br Med J [Clin Res]** 1984 May 5; 288(6427):1369

Subarachnoid haemorrhage and nasal vasoconstrictor abuse [letter] García-Albea E. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):875–6

[Arterial hypertension induced by a nasal decongestant. Value of the use of an automatic and programmable recording technic] Balansard P, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3059–61 (Eng. Abstr.) **(Fre)**

[Arterial hypertension with hypopotassemia and hypochloremic metabolic alkalosis caused by abuse of a nasal spray] Pepe M, et al. **Minerva Med** 1983 Oct 13; 74(39):2323–6 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Lack of effect on nasal discharge from a vasoconstrictor spray in common cold. Winther B, et al. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 2):447–8

THERAPEUTIC USE

Decongestants or antihistamines in acute otitis media [letter] Cherniwchan MA. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):747–8

Comparison of pseudoephedrine and triprolidine, alone and in combination in preventing nasal congestion in subjects with allergic rhinitis using nasal histamine challenge. Empey DW, et al. **Br J Clin Pharmacol** 1984 Jul;18(1):86–9

Tolerability profile of a new nasal decongestant--tinazoline hydrochloride (Go-7996 B): open and double-blind studies in human male volunteers. Vaidya AB, et al. **J Postgrad Med** 1983 Jul;29(3):133–8

[Drug treatment of sinusitis] Van Cauwenberge P. **Acta Otorhinolaryngol Belg** 1983;37(4):614–23 (Eng. Abstr.) **(Dut)**

VASODILATION

Effects of antidromic trigeminal nerve stimulation in relation to parasympathetic vasodilation in cat nasal mucosa. Lundblad L, et al. **Acta Physiol Scand** 1983 Sep;119(1):7–13

Contribution of adenosine to the regulation of cerebral blood flow: the role of calcium ions in the adenosine-induced cerebrocortical vasodilatation. Kovách AG, et al. **Adv Exp Med Biol** 1984;169:315–25

Optimal use of tolazoline in arteriography. Friedman J, et al. **AJR** 1984 Apr;142(4):817–20

Quantitation of rhythmic diameter changes in arterial microcirculation. Colantuoni A, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H508–17

Ouabain-induced reflex coronary vasodilatation mediated by cardiac receptors. Trimarco B, et al. **Am J Physiol** 1984 May;246(5 Pt 2):H664–70

Vasodilator capacity of contralateral kidney in Goldblatt hypertensive dog. Zimmerman BG, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H790–5

Coronary vasodilator reserve in young dogs with moderate right ventricular hypertrophy. Botham MJ, et al. **Ann Thorac Surg** 1984 Aug;38(2):101–7

Blood volume pulse biofeedback in the treatment of migraine headache: a controlled evaluation. Gauthier J, et al. **Biofeedback Self Regul** 1983 Sep;8(3):427–42

Immunohistochemical localization and dilatatory effect of substance P on human cerebral vessels. Edvinsson L, et al. **Brain Res** 1982 Jan 28;232(2):466–71

Lesions of the basal forebrain in rat selectively impair the cortical vasodilation elicited from cerebellar fastigial nucleus. Iadecola C, et al. **Brain Res** 1983 Nov 21; 279(1-2):41–52

A study of vasoactive intestinal peptide and acetylcholine as possible mediators of vasodilatation in the cat submandibular gland. Karpinski E, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):650–3

Digital vasodilatation during mental stress in patients with Raynaud's disease. Halperin JL, et al. **Cardiovasc Res** 1983 Nov;17(11):671–7

Changes in cardiac transcapillary exchange with metabolic coronary vasodilation in the intact dog. Cousineau D, et al. **Circ Res** 1983 Dec;53(6):719–30

Low zero-flow pressure and minimal capacitance effect on diastolic coronary arterial pressure-flow relationships during maximum vasodilation in swine. Pantely GA, et al. **Circulation** 1984 Sep;70(3):485–94

Delayed vascular reactivity to ischemia in diabetic microangiopathy. Haitas B, et al. **Diabetes Care** 1984 Jan-Feb;7(1):47–51

Adenosine in the local regulation of blood flow: a brief overview. Berne RM, et al. **Fed Proc** 1983 Dec; 42(15):3136–42

Dilatations of the aorta wall--a neurohaemal structure in the grasshopper Poecilocerus pictus Fabr. (Acridioidea: Pyrgomorphidae). Khan TR, et al. **Folia Morphol (Praha)** 1983;31(3):290–2

Corticotropin releasing factor-like peptides produce selective dilatation of the dog mesenteric circulation. MacCannell KL, et al. **Gastroenterology** 1984 Jul;87(1):94–102

In search of mediators of skin vasodilation induced by transcutaneous nerve stimulation: III. Increase in plasma VIP in normal subjects and in Raynaud's disease. Kaada B, et al. **Gen Pharmacol** 1984;15(2):107–13

In search of mediators of skin vasodilation induced by transcutaneous nerve stimulation: IV. In vitro bioassay of the vasoinhibitory activity of sera from patients suffering from peripheral ischaemia. Kaada B, et al. **Gen Pharmacol** 1984;15(2):115–22

Effects of vasodilation on plasma distribution in SHR cremaster muscle microvessels. Baker CH, et al. **Hypertension** 1983 Nov-Dec;5(6):927–34

Role of endothelium in dilator responses of spontaneously hypertensive rat arteries. Konishi M, et al. **Hypertension** 1983 Nov-Dec;5(6):881–6

Defective synthesis of vasodilator prostaglandins in the spontaneously hypertensive rat. Martineau A, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 2):I161–5

Wave pattern analyses for cold vaso-oscillation. Ueda G, et al. **Int J Biometeorol** 1983 Jul;27(2):157–64

Low exercise pulmonary resistance is not dependent on vasodilator prostaglandins. Lindenfeld J, et al. **J Appl Physiol** 1983 Aug;55(2):558–61

Effect of high local temperature on reflex cutaneous vasodilation. Taylor WF, et al. **J Appl Physiol** 1984 Jul; 57(1):191–6

The peripheral pathway for extracranial vasodilatation in the cat. Goadsby PJ, et al. **J Auton Nerv Syst** 1984 Apr; 10(2):145–55

Endothelial cells as mediators of vasodilation of arteries. Furchgott RF, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S336–43 (35 ref.)

A randomised study of the haemodynamic changes induced by venodilatation and arteriolar dilatation singly and together in left ventricular failure complicating acute myocardial infarction. Nelson GI, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):331–8

Relationship between regional myocardial blood flow and thallium-201 distribution in the presence of coronary artery stenosis and dipyridamole-induced vasodilation. Mays AE Jr, et al. **J Clin Invest** 1984 May;73(5):1359–66

Possible role of endothelium in the vasodilator response of rat thoracic aorta to platelet activating factor (PAF). Kasuya Y, et al. **J Pharmacobiodyn** 1984 Feb;7(2):138–42

Effects of cerebroventricular administration of ouabain on renal hemodynamics in anesthetized dogs: evidence for the participation of renal dopaminergic vasodilator fibers. Hom GJ, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):275–83

Neural vasodilator control in the rectum of the cat and its possible mediation by vasoactive intestinal polypeptide. Andersson PO, et al. **J Physiol (Lond)** 1983 Nov;344:49–67

Neurogenic vasodilatation in isolated bovine and canine penile arteries. Bowman A, et al. **J Physiol (Lond)** 1983 Aug;341:603–16

Studies on the trigeminal antidromic vasodilatation and plasma extravasation in the rat. Couture R, et al. **J Physiol (Lond)** 1984 Jan;346:273–85

Oxygen and coronary vascular resistance during autoregulation and metabolic vasodilation in the dog. Drake-Holland AJ, et al. **J Physiol (Lond)** 1984 Mar; 348:285–99

Direct observations of muscle arterioles and venules following contraction of skeletal muscle fibres in the rat. Marshall JM, et al. **J Physiol (Lond)** 1984 May;350:447–59

Cutaneous venodilation in response to systemic hypoxemia in dogs. Britton SL. **J Surg Res** 1984 Jan;36(1):9–16

Action of renal vasodilators in dogs following acute biliary obstruction. Levy M, et al. **J Surg Res** 1984 Feb; 36(2):163–71

The role of prostacyclin in the hypercapnic and hypoxic cerebrovascular dilations. McCalden TA, et al. **Life Sci** 1984 May 7;34(19):1801–7

Adult sympathetic and vascular dysfunction in experimental juvenile-onset diabetes mellitus. Mueller SM. **Microvasc Res** 1984 Jul;28(1):75–86

Evidence that vasoactive intestinal polypeptide is a dilator transmitter to some cerebral and extracerebral cranial arteries. Bevan JA, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):385–8

Distribution and dilatory effect of vasoactive intestinal polypeptide (VIP) in human cerebral arteries. Edvinsson L, et al. **Peptides (Fayetteville)** 1984 Mar-Apr;5(2):329–31

The role of prostaglandins in the endothelium-mediated vasodilatory response to hypoxia. Busse R, et al. **Pflugers Arch** 1984 May;401(1):77–83

On the existence of renal vasodilator nerves. Holdaas H, et al. **Proc Soc Exp Biol Med** 1984 Sep;176(4):426–33

Vasoactive intestinal polypeptide-like substance: the potential transmitter for cerebral vasodilation. Lee TJ, et al. **Science** 1984 May 25;224(4651):898–901

[Vasomotor reactivity in 1st degree relations of manifest diabetics] Dvořáková L, et al. **Cas Lek Cesk** 1983 Apr 22; 122(16):491–3 (Eng. Abstr.) **(Cze)**

[Dynamics of local vascular reactions during increased brain activity] Baramidze DG, et al. **Fiziol Zh SSSR** 1983 Aug; 69(8):1058–64 (Eng. Abstr.) **(Rus)**

[Dilatation reserves of the myocardial microcirculation in ischemic heart disease patients based on scanning data using labelled microspheres] Malyshev IuM, et al. **Kardiologiia** 1984 Jun;24(6):38–41 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Relaxation by prostacyclin (PGI2) and 7-oxo-PGI2 of isolated cerebral, coronary and mesenteric arteries. Malomvölgyi B, et al. **Acta Physiol Acad Sci Hung** 1982; 60(4):251–6

Effect of the adrenergic beta receptor blocker propranolol on the dilatation of cerebrocortical vessels evoked by arterial hypoxia. Dóra E, et al. **Acta Physiol Hung** 1984; 63(1):35–41

Nifedipine–induced fingertip vasodilation in patients with Raynaud's phenomenon. Creager MA, et al. **Am Heart J** 1984 Aug;108(2):370–3

Positive inotropic and vasodilator effects of MDL 17,043 in patients with reduced left ventricular performance. Crawford MH, et al. **Am J Cardiol** 1984 Apr 1;53(8):1051–3

Mechanism of action of nitrates. Role of changes in venous capacitance and in the left ventricular diastolic pressure–volume relation. Smith ER, et al. **Am J Med** 1984 Jun 22;76(6A):14–21

Influence of salt depletion and hydralazine–induced vasodilatation on accuracy of selective renal vein sampling in patients with essential hypertension and renal artery stenosis. Sinaiko AR, et al. **Am J Nephrol** 1982;2(5):261–8

Uterine vascular effects of estetrol in nonpregnant ewes. Levine MG, et al. **Am J Obstet Gynecol** 1984 Mar 15; 148(6):735–8

Vasodilation mediated by human PTH 1–34 in the spontaneously hypertensive rat. McCarron DA, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F96–100

Effect of aminophylline on adenosine and exercise dilation of rat cremaster arterioles. Mohrman DE, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H592–600

Reduction of contraction–induced arteriolar vasodilation by adenosine deaminase or theophylline. Proctor KG. **Am J Physiol** 1984 Aug;247(2 Pt 2):H195–205

Mechanism of relaxant effects of nicorandil on the dog coronary artery. Imai S, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):274–82

Relaxation of rabbit cerebral arteries in vitro by clonidine. Evidence of H2–receptor mediation. Oudart N, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):259–73

Relationship between untreated and insulin–treated diabetes and vascular relaxation. Pfaffman MA, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):131–43

Effects of buflomedil on isolated dog arteries. Toda N, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):117–30

Interaction of methoxamine with compensatory vasodilation distal to coronary stenoses. Heusch G, et al. **Arzneimittelforsch** 1983;33(12):1647–50

Inotropic and vasodilator effects of amrinone on isolated human tissue. Wilmshurst PT, et al. **Cardiovasc Res** 1984 May;18(5):302–9

Comparison of the effects of nitroprusside and nitroglycerin on coronary size. Feldman RL, et al. **Cathet Cardiovasc Diagn** 1983;9(4):391–9

Oxygen radicals mediate the cerebral arteriolar dilation from arachidonate and bradykinin in cats. Kontos HA, et al. **Circ Res** 1984 Sep;55(3):295–303

Effects of dipyridamole–induced vasodilation on myocardial uptake and clearance kinetics of thallium–201. Beller GA, et al. **Circulation** 1983 Dec;68(6):1328–38

Cardiovascular effects of stimulation of neurones within the 'defence area' of the hypothalamus and midbrain of the rabbit. Tan E, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):299–303

The dilator response to K+ is reduced in the forearm resistance vessels of men with primary hypertension. Phillips RJ, et al. **Clin Sci** 1984 Feb;66(2):237–9

Diuretic and cardiovascular effects of indapamide in hypertensive subjects: a dose–response curve. Leenen FH, et al. **Curr Med Res Opin** 1983;8 Suppl 3:47–52

A marked H1–receptor–mediate.] vasodilator effect of histamine in the isolated perfused rat heart. Akar F, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):265–9

Inhibitory effect of Cu2+ on nitroglycerin–induced vasodilation. Kamitani T. **Eur J Pharmacol** 1984 Apr 20; 100(2):145–54

Vascular effects of apomorphine and related compounds in the perfused rat kidney. Schmidt M, et al. **Eur J Pharmacol** 1984 Jan 13;97(1–2):75–85

Cardionatrin causes vasodilation in vitro which is not dependent on the presence of endothelial cells. Scivoletto R, et al. **Eur J Pharmacol** 1984 May 18;101(1–2):143–5

Intima–related vasodilatation of the perfused rat caudal artery. Spokas EG, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):211–7

Sgd 101/75 is distinguished from other selective alpha 1–adrenoceptor agonists by the inhibition of its pressor responses by calcium entry blockade and vasodilatation in pithed rats and cats. Timmermans PB, et al. **Eur J Pharmacol** 1983 Dec 23;96(3–4):187–92

Dopamine vasodilates human cerebral artery. Toda N. **Experientia** 1983 Oct 15;39(10):1131–2

Neurotransmitters involved in the colonic contraction and vasodilatation elicited by activation of the pelvic nerves in the cat. Sjöqvist A, et al. **Gastroenterology** 1984 Jun; 86(6):1481–7

In search of mediators of skin vasodilation induced by transcutaneous nerve stimulation: I. Failure to block the response by antagonists of endogenous vasodilators. Kaada B, et al. **Gen Pharmacol** 1983;14(6):623–33

In search of mediators of skin vasodilation induced by transcutaneous nerve stimulation: II. Serotonin implicated. Kaada B, et al. **Gen Pharmacol** 1983;14(6):635–41

Calcium antagonistic action involved in vasodilation by brovincamine. Katsuragi T, et al. **Gen Pharmacol** 1984; 15(1):43–5

Dilation of forearm blood vessels after angiotensin–converting–enzyme inhibition by captopril in hypertensive patients. Johns DW, et al. **Hypertension** 1984 Jul–Aug;6(4):545–50

Central and peripheral indices of sympathetic activity after blood pressure lowering with enalapril (MK–421) or hydralazine in normotensive rats. Kohlmann O Jr, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I1–6

Saralasin dilates arterioles in SHR but not WKY rats. Longnecker DE, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I106–10

Peripheral large arteries and the response to antihypertensive treatment. Safar ME, et al. **Hypertension** 1983 Sep–Oct;5(5 Pt 2):III63–8

Effects of captopril on blood pressure and renin–angiotensin–aldosterone system in hypertensive subjects after inhibition of renal vasodilative system. Santucci A, et al. **Int J Clin Pharmacol Res** 1984;4(1):41–5

The dopamine agonist bromocriptine induces hypotension by venous and arteriolar dilation. Johns DW, et al. **J Cardiovasc Pharmacol** 1984 Jul–Aug;6(4):582–7

Effects of a cardiotonic agent, TA–064, on isolated canine cerebral, coronary, femoral, mesenteric, and renal arteries. Ozaki N, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct; 5(5):818–21

Positive inotropic and chronotropic effects and coronary vasodilation in vitro by two antiasthmatic xanthines with different abilities to antagonize adenosine. Persson CG, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):778–85

Interaction between beta 2–adrenoceptor–mediated vasodilation and alpha 2–adrenoceptor–mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):822–8

Interaction between beta 2–adrenoceptor–mediated vasodilation and alpha 1–adrenoceptor–mediated vasoconstriction in the pithed normotensive rat. Wilffert B, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):829–35

Effects of naloxone on canine cerebral vascular smooth muscle. Sasaki T, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):166–72

Ergometrine–induced arterial dilatation: an endothelium–mediated effect. Griffith TM, et al. **J Mol Cell Cardiol** 1984 May;16(5):479–82

Mannitol causes compensatory cerebral vasoconstriction and vasodilation in response to blood viscosity changes. Muizelaar JP, et al. **J Neurosurg** 1983 Nov;59(5):822–8

The effect of intravenous infusion of Tebonin (Ginkgo biloba) on pial arteries in cats. Iliff LD, et al. **J Neurosurg Sci** 1983 Oct–Dec;27(4):227–31

Decreased nutrient blood flow during dopamine– and epinephrine–induced intestinal vasodilation. Giraud GD, et al. **J Pharmacol Exp Ther** 1984 Jul;230(1):214–20

Characterization of the neurogenic vasodilatation elicited by central dopamine receptor stimulation with pergolide. Lokhandwala MF, et al. **J Pharmacol Exp Ther** 1984 Mar; 228(3):696–703

Effect of the thromboxane synthetase inhibitor UK–37,248 (dazoxiben) upon platelet aggregation, coronary artery thrombosis and vascular reactivity. Schumacher WA, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):790–6

Vasodilatation by acetylcholine is endothelium–dependent: a study by sonomicrometry in canine femoral artery in vivo. Angus JA, et al. **J Physiol (Lond)** 1983 Nov;344:209–22

Mechanisms of the nitroglycerine–induced vasodilation in vascular smooth muscles of the rabbit and pig. Itoh T, et al. **J Physiol (Lond)** 1983 Oct;343:233–52

Systemic vasodilatation and renal sodium excretion: effects of hydralazine and diazoxide. Green TP. **Life Sci** 1984 May 28;34(22):2169–76

Peripheral vasodilation and plasma extravasation are part of the mechanism of neurotensin–induced hypotension in the anesthetized rat. Rioux F, et al. **Neuropeptides** 1983 Jul; 3(5):355–65

Pulmonary vasoactivity of lung endocrine cell–related peptides. Gillespie MN, et al. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):21–4

The role of prostaglandins in the endothelium–mediated vasodilatory response to hypoxia. Busse R, et al. **Pflugers Arch** 1984 May;401(1):77–83

Enhancement of metabolic coronary vasodilatation by nicotinic acid or amide. Talesnik J, et al. **Pharmacol Res Commun** 1984 Mar;16(3):253–63

Importance of venodilation during long–term vasodilator therapy of chronic left ventricular failure. Franciosa JA, et al. **Z Kardiol** 1983;72 Suppl 3:168–72

Two dilatory mechanisms of anti–anginal drugs on epicardial coronary arteries in vivo: indirect, flow–dependent, endothelium–mediated dilation and direct smooth muscle relaxation. Holtz J, et al. **Z Kardiol** 1983;72 Suppl 3:98–106

Mechanism of nitrate–induced vasodilation and tolerance. Kukovetz WR, et al. **Z Kardiol** 1983;72 Suppl 3:14–9

Active and passive coronary vasodilation after intracoronary and sublingual nitroglycerin. Schulz W, et al. **Z Kardiol** 1983;72 Suppl 3:82–6

[Effect of atropine on vasodilation induced by parasympathetic stimulation in the rabbit submandibular gland] Fazekas A, et al. **Fogorv Sz** 1983 Jul;76(7):196–8 (Eng. Abstr.) **(Hun)**

[Effects of sympathetic blocking agents on vasodilation] Ino–Oka E, et al. **Nippon Rinsho** 1983 Dec;41(12):2698–702 **(Jpn)**

[Effect of monoiodoacetate and ouabain on cholinergic vasodilation in cat skeletal muscles] Berdina NA, et al. **Fiziol Zh SSSR** 1983 Oct;69(10):1313–20 (Eng. Abstr.) **(Rus)**

[Spread of the dilatational reactions in the pial artery system to the microapplication of strychnine to the surface of the brain] Mchedlishvili GI, et al. **Fiziol Zh SSSR** 1984 May; 70(5):667–72 (Eng. Abstr.) **(Rus)**

VASODILATOR AGENTS

Bucindolol, a beta–adrenoceptor blocker with vasodilatory action: its effect in systemic hypertension. Rotmensch HH, et al. **Am J Cardiol** 1984 Aug 1;54(3):353–6

Trimethaphan is a direct arterial vasodilator and an alpha–adrenoceptor antagonist. Harioka T, et al. **Anesth Analg** 1984 Mar;63(3):290–6

Coronary vasoconstrictor and vasodilator actions of arachidonic acid in the isolated perfused heart of the rat. Belo SE, et al. **Br J Pharmacol** 1982 Feb;75(2):269–86

Prostaglandin E1 for alleviating symptoms of ergot intoxication: a case report. Levy JM, et al. **Cardiovasc Intervent Radiol** 1984;7(1):28–30

An atrial peptide is a potent renal vasodilator substance. Oshima T, et al. **Circ Res** 1984 May;54(5):612–6

The possible mode of action of indapamide: a review. Campbell DB. **Curr Med Res Opin** 1983;8 Suppl 3:9–24 (107 ref.)

Vasodilator effect of trimetazidine on cutaneous microcirculation of normal conscious rabbits. Asano M, et al. **Jpn J Pharmacol** 1983 Aug;33(4):891–3

Evidence that vasoactive intestinal polypeptide is a dilator transmitter to some cerebral and extracerebral cranial arteries. Bevan JA, et al. **Peptides (Fayetteville)** 1984 Mar–Apr;5(2):385–8

Surface properties of an amphiphilic peptide hormone and of its analog: corticotropin–releasing factor and sauvagine. Lau SH, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(23):7070–4

Structural homology of corticotropin–releasing factor, sauvagine, and urotensin I: circular dichroism and prediction studies. Pallai PV, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6770–4

[ATP and SNP as vasodilators] Matsubara Y, et al. **Masui** 1983 Aug;32(8):969–75 (Eng. Abstr.) **(Jpn)**

[Use of the vasodilator molsidomin in the treatment of chronic cardiac insufficiency] Mareev VIu, et al. **Ter Arkh** 1983;55(9):76–80 **(Rus)**

ADMINISTRATION & DOSAGE

Trimazosin in chronic congestive heart failure: improved left ventricular function at rest and during exercise. Ports TA, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1036–42

Closed loop control of vasoactive drug infusion. A preliminary report. Potter DR, et al. **Anaesthesia** 1984 Jul; 39(7):670–7

Intracavernous injection of papaverine as a diagnostic and therapeutic method in erectile failure. Virag R, et al. **Angiology** 1984 Feb;35(2):79–87

OP–1206, a prostaglandin E1 derivative. Effects of oral administration to patients with chronic lung disease. Ishizaki T, et al. **Chest** 1984 Mar;85(3):382–6

Hydralazine in heart failure. Chatterjee K. **Herz** 1983 Aug; 8(4):187–98 (33 ref.)

Usefulness and limitations of vasodilator therapy in the treatment of pump failure complicated by acute myocardial infarction. Saito M, et al. **Jpn Circ J** 1984 Apr;48(4):340–9

[New approach to the treatment of arteritis using a combination of drugs and hypervolemia with clinical and biological monitoring] Gicquiau N. **Phlebologie** 1983 Jul–Sep;36(3):219–29 (Eng. Abstr.) **(Fre)**

[Anesthesia for the coronary patient in general surgery. Simplified use of nitro derivatives (letter)] Quintin L, et al. **Presse Med** 1983 Nov 26;12(43):2769 **(Fre)**

[Effect of intravenous administration of Cinepazide on cerebral blood flow and evoked potentials] Moritake K, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):207–17 (Eng. Abstr.) **(Jpn)**

[Effect of vasodilator treatment of chronic circulatory insufficiency on various polycardiographic parameters] Guzińska B, et al. **Kardiol Pol** 1983;26(7):565–70 (Eng. Abstr.) **(Pol)**

[Clinical experiences with the use of encephabol in geriatric practice] Zdichynec B. **Pol Arch Med Wewn** 1983 Mar; 69(3):209–11 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Encephalotropic and psychotropic effects of intravenous buflomedil in the elderly: double–blind, placebo–controlled pharmaco–EEG and psychometric studies. Saletu B, et al. **Int J Clin Pharmacol Res** 1984;4(2):95–107

Unique behavioral change with cinepazide in parkinsonism. A case report. Hashimoto A, et al. **Neuropsychobiology** 1984;11(1):1–2

BLOOD

Measurement of plasma concentrations of vasodilators and metabolites by the TEA Analyzer. Yu WC, et al. **Biopharm Drug Dispos** 1983 Oct–Dec;4(4):311–9

[Clinical pharmacokinetics of buflomedil] Gundert–Remy U. **Med Welt** 1983 Sep 2;34(35):923–5 **(Ger)**

CHEMICAL SYNTHESIS

Synthesis and biological activities of 3-aminomethyl-1,2-dihydronaphthalene derivatives. Itoh K, et al. **Chem Pharm Bull (Tokyo)** 1983 Jun;31(6):2006-15

Synthesis of 2-(N-substituted amino)-6-hydroxy-1,2,3,4-tetrahydronaphthalen-1-ol derivatives. Miyake A, et al. **Chem Pharm Bull (Tokyo)** 1983 Jul;31(7):2329-48

Pyrimidine and triazine 3-oxide sulfates: a new family of vasodilators. McCall JM, et al. **J Med Chem** 1983 Dec; 26(12):1791-3

Tri- and tetrapeptide analogues of kinins as potential renal vasodilators. Pfeiffer FR, et al. **J Med Chem** 1984 Mar; 27(3):325-41

CLASSIFICATION

Conceptual dilemmas in the classification of vasodilator drugs for severe chronic heart failure. Advocacy of a pragmatic approach to the selection of a therapeutic agent. Packer M. **Am J Med** 1984 Jun 22;76(6A):3-13 (125 ref.)

DIAGNOSTIC USE

[Use of ganglionic blockaders in the differential diagnosis of reflex cardialgia caused by diseases of the abdominal organs] Evtikhov RM, et al. **Klin Med (Mosk)** 1983 Aug; 61(8):28-30 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rat atrial natriuretic factor. Purification and vasorelaxant activity. Grammer RT, et al. **Biochem Biophys Res Commun** 1983 Oct 31;116(2):696-703

METABOLISM

Pharmacokinetics of vinpocetine and apovincaminic acid in patients with impaired renal function. Miskolczi P, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr-Jun; 9(2):169-75

Pharmacokinetics of nicorandil, a new coronary vasodilator, in dogs. Ishizaki T, et al. **J Pharm Sci** 1984 Apr;73(4):494-8

Ra adenosine receptors in human platelets. Characterization by 5'-N-ethylcarboxamido[3H]adenosine binding in relation to adenylate cyclase activity. Hüttemann E, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):226-33

[3H]5'-N-ethylcarboxamide adenosine binds to both Ra and Ri adenosine receptors in rat striatum. Yeung SM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Mar; 325(3):218-25

PHARMACODYNAMICS

The in vitro effect of hypotensive agents on the affinity of haemoglobin for oxygen. Jones RM, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):109-11

Effect of vasoactive agents on prostanoids in suction blister fluid. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1983; 63(6):536-8

Vasodilators and decreased arterial oxygen tension [letter] Kneeshaw J, et al. **Anaesthesia** 1984 Jan;39(1):67

Effects of flunarizine and pentoxifylline on walking distance and blood rheology in claudication. Perhoniemi V, et al. **Angiology** 1984 Jun;35(6):366-72

Mechanism of relaxant effects of nicorandil on the dog coronary artery. Imai S, et al. **Arch Int Pharmacodyn Ther** 1983 Oct;265(2):274-82

A comparison of some renal and cardiovascular effects of a prostaglandin analog, SKF 82526 and ibopamine in anesthetized dogs. Seymour AA, et al. **Arch Int Pharmacodyn Ther** 1984 Jun;269(2):304-15

Effects of buflomedil on isolated dog arteries. Toda N, et al. **Arch Int Pharmacodyn Ther** 1983 Nov;266(1):117-30

Cerebral circulatory and cardiac effects of vinpocetine and its metabolite, apovincaminic acid, in anesthetized dogs. Imamoto T, et al. **Arzneimittelforsch** 1984;34(2):161-9

Transmural gradient of coronary blood flow following dihydropyridine calcium antagonists and other vasodilator drugs. Warltier DC, et al. **Basic Res Cardiol** 1983 Nov-Dec; 78(6):644-53

Effects of vinpocetine on cyclic nucleotide metabolism in vascular smooth muscle. Hagiwara M, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):453-7

The efflux of spin label entrapped in human erythrocyte ghosts when suspended in hyposmolar solutions. The effect of chlorpromazine, trifluoperazine, nicardipine and some other membrane active substances. Lagercrantz C, et al. **Biochem Pharmacol** 1984 Jun 15;33(12):1851-7

Transient in oxygen uptake after step-increase of workload under beta-adrenoceptor blockade or vasodilation. Hendriks FF, et al. **Br J Clin Pharmacol** 1983 Sep; 16(3):319-26

Effect of treatment with chlorthalidone and atenolol on response to dilator agents in the forearm resistance vessels of men with primary hypertension. Robinson BF, et al. **Br J Clin Pharmacol** 1983 Sep;16(3):327-32

Blood supply can be increased in rabbit skin by a stable prostacyclin derivative without potentiation of plasma extravasation. Ekerdt R, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:144-6

Non-competitive antagonism of the alpha-adrenoceptor-mediated fast component of contraction of rat aorta, by doxazosin and prazosin. Downing OA, et al. **Br J Pharmacol** 1983 Oct;80(2):315-22

The effects of 2-nicotinamidoethyl nitrate on smooth muscle cells of the dog mesenteric artery and trachea. Inoue T, et al. **Br J Pharmacol** 1983 Nov;80(3):459-70

Coronary venous pressure and flow: effects of vagal stimulation, aortic occlusion, and vasodilators. Klassen GA, et al. **Can J Physiol Pharmacol** 1984 May;62(5):531-8

Vasorelaxing actions of molsidomine and its metabolites, in comparison with nitroglycerin. Muramatsu I, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1071-8

Myosin phosphorylation and cyclic adenosine 3',5'-monophosphate in relaxation of arterial smooth muscle by vasodilators. Gerthoffer WT, et al. **Circ Res** 1984 Jan;54(1):83-9

The effect of substituted sydnonimines on coronary smooth muscle relaxation and cyclic guanosine monophosphate levels. Rinaldi G, et al. **Circulation** 1983 Dec;68(6):1315-20

Effect of calcium antagonists on cardiac performance in patients with dilatative cardiomyopathy evaluated by noninvasive methods. Maurer E, et al. **Clin Cardiol** 1983 Aug;6(8):399-404

Influence of nicorandil, an antianginal agent, on the therapeutic and toxic cardiovascular actions of ouabain in the anaesthetized dog. Nakamura Y, et al. **Clin Exp Pharmacol Physiol** 1984 May-Jun;11(3):275-83

Effects of molsidomine and other NO-containing vasodilators on cyclic GMP formation. Böhme E, et al. **Eur Heart J** 1983 May;4 Suppl C:19-24 (36 ref.)

Pharmacokinetics and hypotensive effect in healthy volunteers of pinacidil, a new potent vasodilator. Ward JW, et al. **Eur J Clin Pharmacol** 1984;26(5):603-8

Beta 2-adrenoceptor-induced hypotension in the ganglion-blocked angiotensin II-supported rat. Brown NL, et al. **Eur J Pharmacol** 1983 Sep 2;92(3-4):285-9

Mechanism(s) of the hypotensive effect of synthetic 1-O-octadecyl-2-O-acetyl-glycero-3-phosphorylcholine. Kamitani T, et al. **Eur J Pharmacol** 1984 Mar 2; 98(3-4):357-66

Relaxing effect of nicorandil (N-2-(hydroxyethyl)-nicotinamide nitrate), a new anti-angina agent, on the isolated vascular smooth muscle. Shibata S, et al. **Eur J Pharmacol** 1984 Mar 23; 99(2-3):219-26

Intima-related vasodilatation of the perfused rat caudal artery. Spokas EG, et al. **Eur J Pharmacol** 1984 Apr 20; 100(2):211-7

Hemodynamic effects of the arteriolar vasodilators hydralazine, dihydralazine and endralazine in the conscious spontaneously hypertensive rat. Struyker-Boudier HA, et al. **Eur J Pharmacol** 1983 Nov 25;95(3-4):151-9

Alterations in vascular sensitivity to vasoactive agents after discontinuation of propranolol in SHR. Kubota T, et al. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):249-54

Peripheral large arteries and the response to antihypertensive treatment. Safar ME, et al. **Hypertension** 1983 Sep-Oct;5(5 Pt 2):III63-8

Clinical pharmacological studies with the vasodilator endralazine in normotensive subjects and essential hypertensives. Elliott HL, et al. **Int J Clin Pharmacol Res** 1984;4(1):61-9

Comparison of prizidilol, a new antihypertensive drug with combined arteriolar vasodilator and beta-adrenoceptor blocking actions, with hydralazine and propranolol in conscious dogs with chronic atrioventricular block. Boucher M, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct; 5(5):712-6

The effects of molsidomine and its metabolite SIN-1 on coronary vessel tone, platelet aggregation, and eicosanoid formation in vitro--inhibition of 12-HPETE biosynthesis. Darius H, et al. **J Cardiovasc Pharmacol** 1984 Jan-Feb; 6(1):115-21

Cardiovascular profile of Ro 13-6438, a novel positive inotropic agent with vasodilating properties. Eigenmann R, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):511-9

Effects of nicorandil and its interaction with isoproterenol on force of contraction and cyclic nucleotide levels of canine atrial muscle: comparison with carbachol. Endoh M, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):878-82

Effects of nicorandil and nifedipine on protection of ischemic myocardium. Lamping KA, et al. **J Cardiovasc Pharmacol** 1984 May-Jun;6(3):536-42

Comparative effects of a new nicotinamide nitrate derivative, nicorandil (SG 75), with nifedipine and nitroglycerin on true collateral blood flow following an acute coronary occlusion in dogs. Lamping KA, et al. **J Cardiovasc Pharmacol** 1984 Jul-Aug;6(4):601-8

Effects of alpha 1- and alpha 2-adrenoceptor blocking drugs on noradrenaline release rate in anesthetized rabbits. Majewski H, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct; 5(5):703-11

A randomised study of the haemodynamic changes induced by venodilatation and arteriolar dilatation singly and together in left ventricular failure complicating acute myocardial infarction. Nelson GI, et al. **J Cardiovasc Pharmacol** 1984 Mar-Apr;6(2):331-8

Effect of felodipine, a new dihydropyridine vasodilator, on contractile responses to potassium, noradrenaline, and calcium in mesenteric resistance vessels of the rat. Nyborg NC, et al. **J Cardiovasc Pharmacol** 1984 May-Jun; 6(3):499-505

Acute hemodynamic effects of bufuralol: a beta-adrenoceptor blocking drug with vasodilatory effects. Pfisterer M, et al. **J Cardiovasc Pharmacol** 1984 May-Jun; 6(3):417-22

Inhibition of coronary circulatory failure and thromboxane A2 release during coronary occlusion and reperfusion by 2-phenylaminoadenosine (CV-1808) in anesthetized dogs. Tanabe M, et al. **J Cardiovasc Pharmacol** 1984 May-Jun; 6(3):442-8

Bepridil and cetiedil. Vasodilators which inhibit Ca2+-dependent calmodulin interactions with erythrocyte membranes. Agre P, et al. **J Clin Invest** 1984 Sep; 74(3):812-20

Endothelium-dependent and nitrovasodilator-induced relaxation of vascular smooth muscle: role of cyclic GMP. Rapoport RM, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1983; 9(4-5):281-96 (124 ref.)

Morphometric effect of prostaglandin E1 and F2 alpha on lactating bovine mammary tissue in vitro. Scott DL, et al. **J Dairy Sci** 1984 Jan;67(1):133-9

Differential effects of vasodilators on the mobilization of calcium pools during contractions of rabbit ear artery induced by noradrenaline and high potassium. Maggi CA, et al. **J Pharm Pharmacol** 1984 Jan;36(1):27-30

Hypotensive effects and biotransformation of nicorandil, a new antianginal agent, administered to rats by different routes: comparison with nitroglycerin and isosorbide dinitrate. Sakai K, et al. **J Pharm Pharmacol** 1984 Mar; 36(3):175-81

Effects of brovincamine on the autonomic nervous function in the dog and rat. Kushiku K, et al. **J Pharmacobiodyn** 1984 Mar;7(3):177-85

Relaxation of intrapulmonary artery and vein by nitrogen oxide-containing vasodilators and cyclic GMP. Edwards JC, et al. **J Pharmacol Exp Ther** 1984 Jan;228(1):33-42

Effects of 2-nicotinamidoethyl nitrate (nicorandil; SG-75) and its derivative on smooth muscle cells of the canine mesenteric artery. Inoue T, et al. **J Pharmacol Exp Ther** 1984 Jun;229(3):793-802

Effects of 2-nicotinamidoethyl nitrate (Nicorandil) on excitation-contraction coupling in the smooth muscle cells of rabbit ear artery. Kajiwara M, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):462-8

Effects of nicorandil, a new antianginal agent, and nifedipine on collateral blood flow in a chronic coronary occlusion model. Lamping KA, et al. **J Pharmacol Exp Ther** 1984 May;229(2):359-63

Effects of calcium antagonists and vasodilators on arterial myosin phosphorylation and actin-myosin interactions. Silver PJ, et al. **J Pharmacol Exp Ther** 1984 Jul; 230(1):141-8

Analysis of the vasoconstrictor responses to potassium depolarization and norepinephrine and their antagonism by differing classes of vasodilators in the perfused rat hindquarters. Sybertz EJ, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):621-6

Effects of buflomedil on the responsiveness of canine vascular smooth muscle. Vanhoutte PM, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):613-20

Abnormal response of tumor vasculature to vasoactive drugs. Chan RC, et al. **JNCI** 1984 Jan;72(1):145-50

Experimental study on vasodilator therapy and its clinical application. Ino-oka E, et al. **Jpn Circ J** 1984 Apr; 48(4):373-9

Effects of vasodilators on the systemic capacitance vessels, a study with the measurement of the mean circulatory pressure in dogs. Ito H, et al. **Jpn Circ J** 1984 Apr; 48(4):388-404

Changes in systemic redistribution of blood flow by vasodilators. Senoo Y, et al. **Jpn Circ J** 1984 Apr; 48(4):414-20

Comparative effects of nicorandil and nitroglycerin on tracheal and vascular smooth muscle in the dog, in vivo and in vitro. Nakamura Y, et al. **Jpn J Pharmacol** 1984 Mar;34(3):269-76

Effects of nicorandil on the membrane currents of rabbit sino-atrial node cells. Satoh H, et al. **Jpn J Pharmacol** 1984 Apr;34(4):411-5

Increased serum high-density lipoprotein cholesterol in hypertensive men treated with the potent vasodilator carprazidil. Gerber A, et al. **Metabolism** 1984 Apr; 33(4):342-6

Systemic and regional haemodynamic effects of vasodilators in hypertension. Struyker-Boudier HA, et al. **Neth J Med** 1984;27(4):146-52 (58 ref.)

Anticonvulsant effects of adenosine analogues on amygdaloid-kindled seizures in rats. Barraco RA, et al. **Neurosci Lett** 1984 May 18;46(3):317-22

Excitatory effects of the vasodilator hydralazine on acoustic startle in the rat. Commissaris RL, et al. **Pharmacol Biochem Behav** 1983 Nov;19(5):891-4

Hemodynamic characterization of pinacidil in rats. Comparison with hydralazine. Thoolen MJ, et al. **Pharmacology** 1983;27(5):245-54

Acute haemodynamic effects of endralazine in patients with coronary artery disease and stable angina pectoris. van der Wall EE, et al. **Postgrad Med J** 1983;59 Suppl 3:42-4

The effect of Cavinton on cerebrovascular resistance and its use in ophthalmological patients. A double-blind trial. Imre G, et al. **Ther Hung** 1981;29(3):120-3

Importance of venodilation during long-term vasodilator therapy of chronic left ventricular failure. Franciosa JA, et al. **Z Kardiol** 1983;72 Suppl 3:168-72

Coronary vasodilation by nitrates is not mediated by the prostaglandin system: an angiographic and hemodynamic study. Simonetti I, et al. **Z Kardiol** 1983;72 Suppl 3:40–5

[Studies on the anti-shock mechanism of anisodamine. II. Dynamic change in blood histamine during endotoxic shock and effect of anisodamine on hypotensive effect of histamine] Chen XY, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1983 Dec; 5(6):385–7 (Eng. Abstr.) **(Chi)**

[Antihypertensive vasodilators] Plouin PF. **Sem Hop Paris** 1983 Nov 17;59(42):2915–22 (Eng. Abstr.) **(Fre)**

[Vasoactive drugs and microcirculation in old age] de Nicola P, et al. **ZFA** 1983 Nov–Dec;38(6):467–71 (Eng. Abstr.) **(Ger)**

[Continuous intra-arterial pressure recording for 24 hours under basal conditions and during therapy with prizidilol, a vasodilating and beta-blocking drug] Fariello R, et al. **Boll Soc Ital Cardiol** 1983 Feb;28(2):127–31 (Eng. Abstr.) **(Ita)**

[New therapeutic agents and hypoxic pulmonary vasoconstriction] Watanabe S. **Kokyu To Junkan** 1983 Aug; 31(8):820–7 (63 ref.) **(Jpn)**

[Studies on the inhibitory effect of etafenone hydrochloride on platelet aggregation] Ujiie A, et al.
Nippon Yakurigaku Zasshi 1983 Jun;81(6):493–8 (Eng. Abstr.) **(Jpn)**

[Effect of etiron in combination with fentolamin on systemic hemodynamics] Gikav-i VI, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):39–43 (Eng. Abstr.) **(Rus)**

[Mechanism of the vasodilator action of kavinton on the cerebral vessels] Plotnikov MB, et al.
Farmakol Toksikol 1983 Nov–Dec;46(6):36–9 (Eng. Abstr.) **(Rus)**

[Effect of monoiodoacetate and ouabain on cholinergic vasodilation in cat skeletal muscles] Berdina NA, et al.
Fiziol Zh SSSR 1983 Oct;69(10):1313–20 (Eng. Abstr.) **(Rus)**

[Effect of vasodilators on the resistance vessels of the forearm in patients with essential hypertension] Robinson BF.
Rev Esp Cardiol 1983;36(6):469–71 (Eng. Abstr.) **(Spa)**

POISONING

First and second degree atrioventricular block in oxpentifylline overdose. Sznajder I, et al.
Br Med J [Clin Res] 1984 Jan 7;288(6410):26

THERAPEUTIC USE

Vasodilator treatment of primary pulmonary hypertension. Cotter L. **Adv Exp Med Biol** 1984;164:359–68

Comparative actions of hydralazine, nifedipine and amrinone in primary pulmonary hypertension. Rich S, et al.
Am J Cardiol 1983 Nov 1;52(8):1104–7

Unloading the heart in congestive heart failure. Cohn JN. **Am J Med** 1984 Aug 20;77(2A):67–70 (26 ref.)

Buflomedil in arterial occlusive disease: results of a controlled multicenter study. Trübestein G, et al. **Angiology** 1984 Aug; 35(8):500–5

Effects of vasodilator treatment with felodipine on haemodynamic responses to treadmill exercise in congestive heart failure. Timmis AD, et al. **Br Heart J** 1984 Sep;52(3):314–20

Haemodynamic effects of nicardipine hydrochloride. Studies during its use to control acute hypertension in anaesthetized patients. Kishi Y, et al. **Br J Anaesth** 1984 Sep;56(9):1003–7

Nicorandil attenuates myocardial acidosis during coronary occlusion in dogs. Abiko Y, et al. **Br J Pharmacol** 1984 Feb;81(2):409–11

Concepts of peripheral circulatory control: implications for vasodilator therapy in heart failure. Rubin SA, et al.
Cardiovasc Clin 1984;14(3):19–29

Vasodilator therapy for pulmonary hypertensive disorders. Hyman AL, et al. **Chest** 1984 Feb;85(2):145–7

Unloading the right ventricle in the CREST syndrome variant of progressive systemic sclerosis (scleroderma). Morrison D, et al. **Clin Cardiol** 1984 Jan;7(1):49–53

Use of nitrates in patients with acute myocardial infarction. Stratton MA. **Clin Pharm** 1984 Jan–Feb;3(1):32–9 (47 ref.)

Plexogenic pulmonary hypertension of unknown origin. What's new? Lockhart A, et al. **Clin Sci** 1984 Jul;67(1):1–5 (61 ref.)

Vasodilator drugs. Gould L, et al. **Compr Ther** 1984 Feb; 10(2):38–45

Vasodilators in the treatment of congestive heart failure. Ciafone RA. **Conn Med** 1983 Oct;47(10):614–8

Usefulness of vasodilator therapy in acute and chronic valvular regurgitation. Greenberg BH, et al.
Curr Probl Cardiol 1984 Jul;9(4):1–46

Neonatal 'pulmonary vasodilator' drugs. Current status. Drummond WH, et al. **Dev Pharmacol Ther** 1984;7(1):1–20 (117 ref.)

Aortic input impedance in heart failure: comparison with normal subjects and its changes during vasodilator therapy. Merillon JP, et al. **Eur Heart J** 1984 Jun;5(6):447–55

Changes in plasma renin activity and haemodynamics during vasodilator therapy in conscious dogs with myocardial infarction or chronic volume overload. Pouleur H, et al. **Eur J Clin Invest** 1983 Aug;13(4):331–8

Felodipine—a new vasodilator, in addition to beta-receptor blockade in hypertension. Elmfeldt D, et al.
Eur J Clin Pharmacol 1983;25(5):571–5

Prizidilol, a combined vasodilatory and beta-adrenoceptor blocking drug, in primary hypertension. A long-term efficacy, tolerance and pharmacokinetic study. Karlberg BE, et al. **Eur J Clin Pharmacol** 1983;25(2):179–86

Cardiac failure XIV. Treatment by modification of circulatory dynamics. Cohn JN. **Hosp Pract [Off]** 1984 Aug;19(8):37–52

Long-term vasodilator therapy of chronic left ventricular failure: does it work? Franciosa JA. **Int J Cardiol** 1984 Apr;5(4):433–9 (28 ref.)

Efficacy and tolerance of the new long-acting vasodilator RO 12–4713 in hypertensive patients not managed on beta blockers and diuretics. Amann FW, et al.
Int J Clin Pharmacol Ther Toxicol 1984 Jan;22(1):13–5

Effects of long-term molsidomine treatment versus isosorbide dinitrate and placebo on exercise tolerance in stable angina. Romano M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 May;22(5):246–9

Hemodynamic effects of vasodilators and long-term response in heart failure. Franciosa JA, et al. **J Am Coll Cardiol** 1984 Jun;3(6):1521–30

Vasodilator and inotropic therapy for severe chronic heart failure: passion and skepticism. Packer M.
J Am Coll Cardiol 1983 Nov;2(5):841–52 (162 ref.)

Antihypertensive effect of prizidilol. Andrén L, et al.
J Cardiovasc Pharmacol 1983 Sep–Oct;5(5):898–900

Clinical pharmacology and pharmacokinetics of prizidilol in hypertensive patients. Chaignon M, et al.
J Cardiovasc Pharmacol 1983 Nov–Dec;5(6):1068–73

Prostaglandin E1 infusion for small vessel arterial ischaemia. Clifford PC, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct; 24(5):503–8

Our experience with the use of buflomedil chlorhydrate in a mixed population of vasculopathic patients. Battaglia L, et al. **J Int Med Res** 1984;12(2):63–72

Oral buflomedil in diabetic background retinopathy: results of a preliminary controlled study. Ducrey N, et al.
J Int Med Res 1984;12(3):184–7

Positive effect of oral buflomedil on exercise-induced haemorheological damage and on claudication distance in peripheral obliterative arterial disease patients. Forconi S, et al. **J Int Med Res** 1984;12(3):188–92

Hemodynamic and metabolic effects of vasodilator therapy for heart failure in acute myocardial infarction. Kodama K, et al. **Jpn Circ J** 1984 Apr;48(4):380–7

Vasodilators in cerebrovascular disease [letter] Borges AC, et al. **Lancet** 1984 May 12;1(8385):1069

Management of acute myocardial infarction with natural physiological agents. McCarty MF **Med Hypotheses** 1983 Aug;11(4):449–65 (98 ref.)

Vasodilator therapy of heart failure. Has the promissory note been paid? Braunwald E, et al. **N Engl J Med** 1984 Feb 16;310(7):459–61 (25 ref.)

Beneficial effect of anisodamine in hemorrhagic shock. Su J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Apr; 325(4):360–5

Effective treatment of refractory hypertension by combination of direct vasodilators. Gerlag PG.
Neth J Med 1983;26(9):271–3

Prostaglandin E1 responsive ductus at 11 months of age. Kashani IA, et al. **Pediatr Cardiol** 1984 Jan–Mar;5(1):19–21

Vasodilator therapy in children: acute and chronic effects in children with left ventricular dysfunction or mitral regurgitation. Beekman RH, et al. **Pediatrics** 1984 Jan; 73(1):43–51

Use of sympatholytic and vasodilator drugs. Moyer JH.
Penn Med 1984 Jan;87(1):34–42

Long-term effects of endralazine (BQ-22–708) in patients with renal impairment and hypertension. Kingswood JC, et al. **Postgrad Med J** 1983;59 Suppl 3:173–6

Place of vasoactive agents in the treatment of acute circulatory failure. Vincent JL. **Resuscitation** 1984 Mar; 11(3–4):175–82 (24 ref.)

Peripheral vasodilators versus pentoxifylline for the treatment of intermittent claudication. Aviado DM.
Ric Clin Lab 1983;13 Suppl 3:263–8

Long-term treatment of patients with coronary heart disease using isosorbide dinitrate, nifedipine and molsidomine. Jansen W, et al. **Z Kardiol** 1983;72 Suppl 3:203–10

[Effect of tetrandrine on acute experimental myocardial infarction] Yu SL.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1983 Jun; 11(2):147–9 **(Chi)**

[Treatment of the diabetic gangrenous foot wih anisodamine and insulin—a case report]
Chung Hua I Hsueh Tsa Chih 1984 Mar;64(3):187–9 **(Chi)**

[Application of vasodilator and positive inotropic agents in the treatment of heart failure] Chen SX.
Chung Hua I Hsueh Tsa Chih 1983 Nov;63(11):705–8 **(Chi)**

[Long-term treatment of cardiac insufficiency with prazosin] Grolleau R, et al. **Ann Cardiol Angeiol (Paris)** 1984 May–Jun;33(4):247–51 **(Fre)**

[Long-term treatment of severe cardiac insufficiency with captopril] Ohayon J, et al. **Ann Cardiol Angeiol (Paris)** 1984 May–Jun;33(4):239–44 (Eng. Abstr.) **(Fre)**

[Long-term clinical and hemodynamic results of the treatment of refractory cardiac failure with molsidomine] Kulas A, et al. **Arch Mal Coeur** 1984 Jan;77(1):92–9 (Eng. Abstr.) **(Fre)**

[Enhancement of the effect of captopril in the 1st 48 hours of treating refractory heart failure. A comparison with intravenous trinitrine] Le Pailleur C, et al.
Arch Mal Coeur 1984 Jun;77(6):700–6 (Eng. Abstr.) **(Fre)**

[Heart failure and acute myocardial infarct. Current treatment] Bernard R, et al.
Bull Mem Acad R Med Belg 1983;138(11):534–43 (Eng. Abstr.) **(Fre)**

[Nicardipine: vascular compliance and development of genetic hypertension in the SHR rat] Maury M, et al.
J Pharmacol 1984 Apr–Jun;15(2):157–67 (Eng. Abstr.) **(Fre)**

[Treatment of pulmonary hypertension with vasodilation agents] Tschopp JM. **Schweiz Rundsch Med Prax** 1984 Jun 19;73(25):789–91 **(Fre)**

[Treatment of cerebrovascular deficiencies. Therapeutic evaluation from 129 cases using the double-blind method against placebo] Bargheon J, et al. **Sem Hop Paris** 1984 Jan 26;60(3):169–74 (Eng. Abstr.) **(Fre)**

[Alternatives to digitalis therapy] Larbig D, et al.
Dtsch Med Wochenschr 1983 Nov 11;108(45):1725–9 **(Ger)**

[Tolerance or hemodynamic adaptation during nitrate therapy] Rietbrock N, et al. **Dtsch Med Wochenschr** 1984 Feb 3;109(5):163–5 **(Ger)**

[Treatment of heart insufficiency with vasodilators. Principles and practical aspects] Bertel O. **Fortschr Med** 1983 Aug 25;101(31–32):1437–9 **(Ger)**

[Flunarizine—a new agent for migraine prevention. Results of a double-blind comparison with placebo] Frenken CW, et al. **Fortschr Med** 1984 Mar 29;102(12):349–51 (Eng. Abstr.) **(Ger)**

[Effectiveness of buflomedil in arterial occlusive disease. Modification of transcutaneous oxygen pressure in a placebo-controlled double-blind study] Sunder-Plassmann L, et al. **MMW** 1984 Mar 2;126(9):247–8 **(Ger)**

[Vasodilator agents in the treatment of cardiac insufficiency] Bertel O. **Ther Umsch** 1984 Feb;41(2):117–24 (17 ref.) (Eng. Abstr.) **(Ger)**

[Therapy of hypertensive heart disease: vasodilator agents in the forefront] Bolli P, et al. **Ther Umsch** 1984 Feb; 41(2):150–5 (47 ref.) (Eng. Abstr.) **(Ger)**

[Acute affect of buflomedil hydrochloride (bufedil) on transcutaneously measured oxygen pressures in patients with peripheral arterial occlusive disease] Lemke R, et al.
Vasa 1984;13(2):171–4 (Eng. Abstr.) **(Ger)**

[Clinical experiences and value of vasodilation in myocardial insufficiency] Just H.
Verh Dtsch Ges Herz Kreislaufforsch 1982;48:87–97 **(Ger)**

[Pharmacology of vasodilator drugs; recent developments] van Zwieten PA, et al.
Verh Dtsch Ges Herz Kreislaufforsch 1982;48:78–86 **(Ger)**

[Prognostic significance of the hemodynamic response to vasodilator therapy in patients with acute myocardial infarct and cardiac insufficiency] Cantelli I, et al.
Minerva Cardioangiol 1983 May;31(5):261–8 (Eng. Abstr.) **(Ita)**

[Recent progress in the treatment of heart failure] Kusukawa R. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):731–6 (14 ref.) **(Jpn)**

[Drug therapy for pump failure—indications and limitations] Saito M. **Nippon Rinsho** 1983 Dec;41(12):2740–7 **(Jpn)**

[Vasodilator treatment of chronic heart failure] Woroszylska M. **Kardiol Pol** 1983;26(10):741–51 **(Pol)**

[Modern vasodilator medication in refractory cardiac insufficiency] Stanciu L, et al.
Rev Med Interna [Med Interna] 1983 Mar–Apr;35(2):129–34 (Eng. Abstr.) **(Rum)**

[Comparative evaluation of the vasodilator effect of kurantil and no-spa in population and twin studies] Zolotaia RD, et al. **Farmakol Toksikol** 1984 May–Jun;47(3):62–6 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of nitroglycerin, sodium nitroprusside and phentolamine on hemodynamics and myocardial contraction during coronary occlusion in the dog] Popov VG, et al. **Kardiologiia** 1983 Nov; 23(11):98–103 (Eng. Abstr.) **(Rus)**

[Use of redergin in patients with vertebrobasilar syndrome] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1983 Dec; (12):25–8 (Eng. Abstr.) **(Rus)**

[Indices of central hemodynamics in congestive heart failure caused by heart valve lesions and its treatment with arteriolar and arteriovenous vasodilators] Marshutin NA. **Revmatologiia (Moskva)** 1984 Apr–Jun;(2):57–61 (57 ref.) **(Rus)**

[Treatment with sidnonimine derivatives of chronic ischemic heart disease patients] Kuz'ko NV. **Vrach Delo** 1984 Jul; (7):79–81 (Eng. Abstr.) **(Rus)**

[Treatment of heart failure in ischemic heart disease with beta-adrenostimulators and peripheral vasodilators] Shevchenko VA. **Vrach Delo** 1983 Oct;(10):8–12 (50 ref.) **(Rus)**

[Effect of korvatone on the hemodynamic indices of rheumatism patients] Sokolov AM, et al. **Vrach Delo** 1984 Jul;(7):83–6 (Eng. Abstr.) **(Rus)**

VASOMOTOR RHINITIS see **RHINITIS, VASOMOTOR**

VASOMOTOR SYSTEM

ANATOMY & HISTOLOGY

Vasomotor projections from the anteroventral third ventricle (AV3V) region. Knuepfer MM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H139–45

DRUG EFFECTS

Mechanism of the biphasic arteriolar response to angiotensin II. Fleming JT, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):H88–94

The effect of bilateral adrenal demedullation on vascular reactivity and blood pressure in spontaneously hypertensive rats. Borkowski KR, et al. **Br J Pharmacol** 1983 Nov; 80(3):429–37

Reduced thermal sensitivity in the rabbit by beta-endorphin injection into the preoptic/anterior hypothalamus. Rezvani AH, et al. **Brain Res** 1984 Feb 6;292(2):297–302

Effect of aminophylline on coronary reactive and functional hyperaemic response in conscious dogs. Radford MJ, et al. **Cardiovasc Res** 1984 Jun;18(6):377–83

Evidence that serotonin receptors mediate the cutaneous vasoconstriction produced by 5-hydroxytryptamine in canine forelimbs. Dobbins DE, et al. **Circ Res** 1983 Oct; 53(4):473–81

Effects of dipyridamole-induced vasodilation on myocardial uptake and clearance kinetics of thallium-201. Beller GA, et al. **Circulation** 1983 Dec;68(6):1328–38

Dipyridamole dilates large coronary arteries in conscious dogs. Hintze TH, et al. **Circulation** 1983 Dec;68(6):1321–7

Interference by inhibitors of the renin-angiotensin system with neurogenic vasoconstriction. Clough DP, et al. **Clin Exp Hypertens [A]** 1983;5(7–8):1287–99

Effects of serotonin and some other neurohumoral agents on adrenergic neurotransmission in spontaneously hypertensive rat vasculature. Kubo T, et al. **Clin Exp Hypertens [A]** 1983;5(9):1501–10

Local application of cyclic AMP in the rat brain: characterization of the cardiovascular response. Johnson JD, et al. **Eur J Pharmacol** 1983 Aug 5;91(4):343–51

Preservative parabens contained in commercial naloxone preparations cause a dose-dependent relaxation of human pial cortical arteries [letter] Faden AI. **J Cereb Blood Flow Metab** 1984 Jun;4(2):308

Stroke-like syndrome after gold sodium thiomalate induced vasomotor reaction. Prupas HM. **J Rheumatol** 1984 Apr; 11(2):235–6

Effects of verapamil—a calcium inhibitor—on the vasomotor response of cortical and juxtamedullary glomeruli of the human kidney. Martin-Dupont P, et al. **Renal Physiol** 1984; 7(2):72–7

PHYSIOLOGY

Splanchnic vasomotor and metabolic adjustments to hypoxia and exercise in humans. Rowell LB, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):H251–8

Vasomotor response to pure tones using photoplethysmography. Sarb EA, et al. **Br J Audiol** 1983 Nov;17(4):279–82

Evidence that vasomotor neurons in the rostral ventrolateral medulla project to the spinal sympathetic outflow via the dorsomedial pressor area. Farlow DM, et al. **Brain Res** 1984 Apr 30;298(2):313–20

Adrenaline synthesizing neurons in the rostral ventrolateral medulla: a possible role in tonic vasomotor control. Ross CA, et al. **Brain Res** 1983 Aug 29;273(2):356–61

GABA antagonists applied to the ventral surface of the medulla oblongata block the baroreceptor reflex. Yamada KA, et al. **Brain Res** 1984 Apr 9;297(1):175–80

Vasoconstrictor systems supplying skeletal muscle, skin, and viscera. Jänig W. **Clin Exp Hypertens [A]** 1984; 6(1–2):329–46

Patterns of peripheral vasomotor function in near-natural conditions in the calf (Bos taurus). Berman A, et al. **Comp Biochem Physiol [A]** 1984;77(1):143–9

Spontaneous arteriolar vasomotion as a determinant of peripheral vascular resistance. Funk W, et al. **Int J Microcirc Clin Exp** 1983;2(1):11–25

Vasomotion, tissue fluid flow and the formation of lymph. Intaglietta M, et al. **Int J Microcirc Clin Exp** 1982; 1(1):55–65

Ligand selectivity of dog coronary adenosine receptor resembles that of adenylate cyclase stimulatory (R_a) receptors. Kusachi S, et al. **J Pharmacol Exp Ther** 1983 Nov;227(2):316–21

The role of alpha and beta adrenergic receptors in constriction and dilation of the systemic capacitance vessels: a study with measurements of the mean circulatory pressure in dogs. Hirakawa S, et al. **Jpn Circ J** 1984 Jul; 48(7):620–32

Vasoactive effects of platelet aggregates [letter] Moulds RF, et al. **N Engl J Med** 1984 Jul 19;311(3):198–9

Activation of central warm-sensitive neurons and the tail vasomotor response in rats during brain and scrotal thermal stimulation. Ishikawa Y, et al. **Pflugers Arch** 1984 Mar; 400(3):222–7

[Abnormal vascular reflexes in water slalom competitors] Figar S, et al. **Cesk Fysiol** 1984;33(3):246–54 **(Cze)**

[Measurement of the vascular movement based on the newly developed Angiomoveogram] Tamura K, et al. **Kokyu To Junkan** 1984 Jun;32(6):583–90 **(Jpn)**

[The role of brain-stem vasomotor centers on the neurogenic control of the neurogenic control of cerebrovascular tonus. Part 1: In special reference to cerebral blood volume and intracranial pressure] Tsutsui T, et al. **No Shinkei Geka** 1984 Apr;12(5):581–9 (Eng. Abstr.) **(Jpn)**

[Parin-Schwiegk's reflex. Development of the problem of the effect of reflex from the lesser circulation on the blood circulation system] Tkachenko BI, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):16–22 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Vasomotion of renal blood flow in essential hypertension. Oscillations in xenon transit. Hollenberg NK, et al. **Hypertension** 1984 Jul–Aug;6(4):579–85

Role of polymorphonuclear leukocytes in the vascular responses of acute inflammation. Issekutz AC. **Lab Invest** 1984 Jun;50(6):605–7 (24 ref.)

[New data on the physiology and treatment of vasomotor menopausal flushing] Buvat J, et al. **LARC Med** 1983 Apr; 3(4):236, 241, 243–5 (36 ref.) **(Fre)**

[Sensitivity of the baroreceptors to the onset and early phases of renovascular hypertension in the rat] Carretta R, et al. **Minerva Nefrol** 1983 Jul–Sep;30(3):141–8 (Eng. Abstr.) **(Ita)**

[Methodological aspects in studying the pathogenesis of vasomotor and psychoemotional disorders in the climacteric syndrome] Tkachenko NM, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):10–5 (33 ref.) (Eng. Abstr.) **(Rus)**

VASOPRESSIN, ARGININE see **ARGIPRESSIN**

VASOPRESSIN, ISOLEUCYL see **VASOTOCIN**

VASOPRESSIN, ISOLEUCYL-LEUCYL see **OXYTOCIN**

VASOPRESSIN, LYSINE see **LYPRESSIN**

VASOPRESSIN, NON-MAMMALIAN see **VASOTOCIN**

VASOPRESSINS

see related

INAPPROPRIATE ADH SYNDROME

[Gynecologic surgery under local anesthesia with lidocaine and POR 8 (letter)] Dargent D, et al. **Presse Med** 1984 Jun 30;13(27):1699–700 **(Fre)**

[Clinical trials of a new local anesthetic in dentistry] Dall'Oppio L, et al. **Schweiz Monatsschr Zahnmed** 1984 Apr;94(4):307–14 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Intravenous infusion of vasopressin in the treatment of bleeding from severe hemorrhagic gastritis. Semb BK, et al. **Acta Chir Scand** 1983;149(6):579–83

Hemodynamic effects of vasopressin, alone and in combination with nitroprusside, in patients with liver cirrhosis and portal hypertension. Mols P, et al. **Ann Surg** 1984 Feb;199(2):176–81

Control of postbiopsy renal hemorrhage with renal artery vasopressin infusion. Smith DC, et al. **Arch Intern Med** 1984 Jul;144(7):1468–9

Maximal flux responses after multiple challenges with vasopressin. Rubin MS, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):26–34

Factors involved in the inactivation of vasopressin after intracerebroventricular injection in mice. Meisenberg G, et al. **Life Sci** 1984 Mar 26;34(13):1231–40

Mathematical model for hormonal therapy (vasopressin, corticoids) in cerebral collapse and malignant tumors of the brain (36 cases). Bernard-Weil E, et al. **Neurol Res** 1983;5(1):19–35

Gastric bleeding: therapy with intraarterial vasopressin and transcatheter embolization. Eckstein MR, et al. **Radiology** 1984 Sep;152(3):643–6

[Use of the vasoconstrictor preparation POR 8 Sandoz in gynecological surgical practice] Bobchev T, et al. **Akush Ginekol (Sofiia)** 1984;23(1):71–4 (Eng. Abstr.) **(Bul)**

[Emergency treatment of acute massive hemorrhage of gastroesophageal varices. Intra-arterial infusion of vasopressin and embolization of the coronary gastric vein] Magotteaux P, et al. **Acta Gastroenterol Belg** 1983 Mar–Apr;46(3–4):133–41 (Eng. Abstr.) **(Fre)**

[Emergency treatment of hemorrhage due to ruptured esophageal varices: continuous intra-arterial perfusion of vasopressin and transhepatic embolization: apropos of 81 patients] Magotteaux P, et al. **J Belge Radiol** 1983; 66(1):15–24 (Eng. Abstr.) **(Fre)**

[Therapy of intestinal bleeding by the intra-arterial injection of a synthetic vasopressin derivative] Persigehl M, et al. **ROFO** 1983 Nov;139(5):475–9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Bilateral nipple necrosis after intravenous vasopressin therapy. Reddy KR, et al. **Arch Intern Med** 1984 Apr; 144(4):835–6

Development of cutaneous gangrene during continuous peripheral infusion of vasopressin. Anderson JR, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1657–8

Myoglobinuria and acute renal failure associated with intravenous vasopressin infusion. Affarah HB, et al. **South Med J** 1984 Jul;77(7):918–21

ANALYSIS

Immunohistochemical studies on the peptidergic nerve fibers in the pineal organ of the dog. Matsuura T, et al. **Arch Histol Jpn** 1983 Jun;46(3):373–9

Vasopressin in reaggregated cell cultures of the developing hypothalamus. Notter MF, et al. **Brain Res Bull** 1984 Mar; 12(3):307–13

Effects of pinealectomy on neurohypophysial hormones in the SFO and plasma of dehydrated rats exposed to 12 hours of light. Summy-Long JY, et al. **Brain Res Bull** 1983 Nov; 11(5):505–13

Vasopressin-immunoreactive cells in the dorsomedial hypothalamic region, medial amygdaloid nucleus and locus coeruleus of the rat. Caffé AR, et al. **Cell Tissue Res** 1983; 233(1):23–33

Changes in hypothalamic and extra-hypothalamic vasopressin content of water-deprived rats. Epstein Y, et al. **Cell Tissue Res** 1983;233(1):99–111

Ultrastructural characteristics of vasopressin-containing neurons in the paraventricular nucleus of the hypothalamus. Piekut DT. **Cell Tissue Res** 1983;234(1):125–34

Identification of serotonin- and vasopressin immunoreactivities in the suprachiasmatic nucleus of four mammalian species. Ueda S, et al. **Cell Tissue Res** 1983; 234(2):237–48

The glycopeptide domain of the rat vasopressin precursor. Chauvet MT, et al. **FEBS Lett** 1983 Nov 14;163(2):257–60

Immunocytochemical localization of peptidergic cells in the neuro-endocrine system of the Colorado potato beetle, Leptinotarsa decemlineata, with antisera against vasopressin, vasotocin and oxytocin. Veenstra JA, et al. **Histochemistry** 1984;81(1):29–34

Localization of vasopressin in synaptic vesicles of extra-hypothalamic rat brain. Hawthorn J, et al. **Life Sci** 1984 Jul 16;35(3):277–84

Ability of the CRF immunoreactive neurons of the paraventricular nucleus to produce a vasopressin-like material. Immunohistochemical demonstration in adrenalectomized guinea pigs and rats. Tramu G, et al. **Neuroendocrinology** 1983 Dec;37(6):467–9

Colocalization of oxytocin and neurophysin-I/II and of vasopressin and neurophysin-III in neurons of the sheep hypothalamus. An immunohistochemical study. Watkins WB, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):67–71

Vasopressin concentration in amniotic fluid as an index of fetal hypoxia: mechanism of release in sheep. Stark RI, et al. **Pediatr Res** 1984 Jun;18(6):552–8

Vasopressin-like peptides in the rat brain: immunologic and chromatographic behavior and their response to water deprivation. Dorsa DM, et al. **Regul Pept** 1983 Aug; 6(4):393–403

Identification of oxytocin and vasopressin in the testis and in adrenal tissue. Nicholson HD, et al. **Regul Pept** 1984 Mar;8(2):141–6

Immunohistochemical localization of brain-gut hormones in gastric carcinoma with relation to argyrophil cells. Yamada S, et al. **Tohoku J Exp Med** 1984 May;143(1):1–15

ANTAGONISTS & INHIBITORS

Neonatal capsaicin treatment impairs vasopressin-mediated blood pressure recovery following acute hypotension. Bennett T, et al. **Br J Pharmacol** 1984 Feb;81(2):341–5

Blood pressure and heart rate effect of a vasopressin antagonist in conscious normotensive rats pretreated with exogenous vasopressin. Waeber B, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):135–7

The development of vasopressin antagonists. Sawyer WH, et al. **Fed Proc** 1984 Jan;43(1):87–90

Inhibition of platelet aggregation and antagonism of vasopressin-induced ECG changes in primates by a carboprostacyclin analogue, ZK 36374. Adaikan PG, et al. **Thromb Res** 1984 Feb 1;33(3):333–40

BIOSYNTHESIS

Time of vasopressin neuron origin in the mouse hypothalamus: examination by combined technique of immunocytochemistry and [3H]thymidine autoradiography. Okamura H, et al. **Brain Res** 1983 Aug; 285(2):223–6

Biosynthesis of the common precursor to vasopressin and neurophysin in vitro in transplantable human oat cell carcinoma of the lung with ectopic vasopressin production. Yamaji T, et al. **Endocrinol Jpn** 1983 Aug;30(4):451–61

Propressophysin in human blood: a possible marker of ectopic vasopressin production. Yamaji T, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):505–12

Vasopressin and oxytocin precursors as model preprohormones. Ivell R, et al. **Neuroendocrinology** 1983 Sep;37(3):235–40

An intermediate in the biosynthesis of vasopressin and neurophysin in the guinea pig posterior pituitary. Robinson IC, et al. **Neurosci Lett** 1983 Sep 9;39(3):273–8

Biosynthesis and processing of neurohypophysial hormones. Pickering BT, et al. **Pharmacol Ther** 1983;22(1):143–61 (126 ref.)

BLOOD

Antidiuretic hormone response to osmotic stimulus under fentanyl anaesthesia. Ecoffey C, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):245–8

Plasma vasopressin response to extracorporeal circulation in children. Yamashita M, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):331–3

Increased plasma vasopressin and serum uric acid in the low renin type of essential hypertension. Skjøtø J, et al. **Acta Med Scand** 1984;215(2):165–72

Renin, renin substrate, angiotensin II, and vasopressin in plasma during treatment with captopril in hypertension and heart failure. Fyhrquist F, et al. **Acta Med Scand [Suppl]** 1983;677:110–4

Plasma vasopressin levels after I.C.V. infusion of histamine agonists in the conscious goat. Tuomisto L, et al. **Agents Actions** 1984 Apr;14(3–4):558–60

Familial central diabetes insipidus: vasopressin and nicotine stimulated neurophysin deficiency with subnormal oxytocin and estrogen stimulated neurophysin. Blackett PR, et al. **Am J Med Sci** 1983 Nov–Dec;286(3):42–6

Vasopressin and urine flow rate responses to stress in conscious dogs. Koepke JP, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 2):F213–8

Splanchnic clearance of plasma vasopressin in the dog: evidence for prehepatic extraction. Matsui K, et al. **Am J Physiol** 1983 Dec;245(6):E611–5

Osmotic control of vasopressin with chronically altered volume states in anephric dogs. Quillen EW Jr, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E355–61

Cardiac receptor influences on the plasma osmolality–plasma vasopressin relationship. Wang BC, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):H360–8

Antidiuretic hormone concentrations following midazolam premedication. Sjovall S, et al. **Anaesthesia** 1983 Dec; 38(12):1217–20

Effect of positive pressure breathing on plasma antidiuretic hormone and renal function in dogs. Matsumura LK, et al. **Braz J Med Biol Res** 1983 Oct;16(3):261–70

Distension of the pulmonary vein – atrial junctions and plasma vasopressin in the chloralose–anaesthetized dog. Wilson N, et al. **Can J Physiol Pharmacol** 1983 Aug; 61(8):905–10

Inhibitory influences from arterial baroreceptors on vasopressin release elicited by fastigial stimulation in rats. Del Bo A, et al. **Circ Res** 1984 Mar;54(3):248–53

Vasopressin response to hyperosmotic stimulus: blood pressure effect in normal subjects and patients with impaired sympathetic system. DiPette D, et al. **Clin Exp Hypertens [A]** 1984;6(4):851–61

The response of vasopressin and blood pressure to hemorrhage in SHR and WKY rats. Rockhold RW, et al. **Clin Exp Hypertens [A]** 1984;6(4):827–49

Plasma antidiuretic hormone levels in patients with normal and low renin essential hypertension, and secondary hypertension. Ando T, et al. **Endocrinol Jpn** 1983 Aug; 30(4):567–70

Factors in the release of vasopressin by the hypoxic fetus. Daniel SS, et al. **Endocrinology** 1983 Nov;113(5):1623–8

Plasma vasopressin levels after infusions of hypertonic saline solutions into the renal, portal, carotid, or systemic circulation in conscious dogs. Liard JF, et al. **Endocrinology** 1984 Mar;114(3):986–91

Endocrine concomitants of sweating and sweat depression. Candas V, et al. **Eur J Applied Physiol** 1984;52(2):225–9

Plasma antidiuretic hormone levels and kidney responsiveness to vasopressin in the jerboa, Jaculus orientalis. Baddouri K, et al. **Gen Comp Endocrinol** 1984 May;54(2):203–15

Plasma antidiuretic hormone levels and liver vasopressin receptors in the jerboa, Jaculus orientalis, and rat. Butlen D, et al. **Gen Comp Endocrinol** 1984 May;54(2):216–29

Role of catecholamines and vasopressin in cardiovascular responses to bilateral dorsolateral transection of the medulla oblongata in the rat. Zukowska-Grojec Z, et al. **Hypertension** 1983 Nov–Dec;5(6):908–15

Hypervolemia and plasma vasopressin response during water immersion in men. Greenleaf JE, et al. **J Appl Physiol** 1983 Dec;55(6):1688–93

Immersion diuresis without expected suppression of vasopressin. Kravik SE, et al. **J Appl Physiol** 1984 Jul; 57(1):123–8

The effect of ovine corticotropin-releasing factor on catecholamine, vasopressin, and aldosterone secretion in normal man. Conaglen JV, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):463–6

Tonic vasomotor control by the rostral ventrolateral medulla: effect of electrical or chemical stimulation of the area containing C1 adrenaline neurons on arterial pressure, heart rate, and plasma catecholamines and vasopressin. Ross CA, et al. **J Neurosci** 1984 Feb;4(2):474–94

Mechanism of suppression of vasopressin and adrenocorticotropic hormone secretion by clonidine in anesthetized dogs. Reid IA, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):1–8

Central effects of dopamine on vasopressin release in the normally hydrated and water-loaded rat. Forsling ML, et al. **J Physiol (Lond)** 1984 Jan;346:49–59

Role of plasma vasopressin in the impairment of water excretion in nephrotic syndrome. Usberti M, et al. **Kidney Int** 1984 Feb;25(2):422–9

Effect of vertebral artery infusions of oxytocin on plasma vasopressin concentration, plasma renin activity, blood pressure and heart rate and their responses to hemorrhage. Brooks DP, et al. **Neuroendocrinology** 1984 May; 38(5):382–6

Role of volume and osmolality in the control of plasma vasopressin in dehydrated dogs. Wade CE, et al. **Neuroendocrinology** 1983 Nov;37(5):349–53

Changes in the vasopressin content of discrete brain regions in response to stimuli for vasopressin secretion. Zerbe RL, et al. **Neuroendocrinology** 1984 Apr;38(4):285–9

Gestation-dependent aspects of the response of the ovine fetus to the osmotic stress induced by maternal water deprivation. Bell RJ, et al. **Q J Exp Physiol** 1984 Jan; 69(1):187–95

The atrial receptors responsible for the decrease in plasma vasopressin caused by distension of the left atrium in the dog. Bennett KL, et al. **Q J Exp Physiol** 1984 Jan; 69(1):73–81

The effect of stimulation of atrial receptors on the plasma concentration of vasopressin. Bennett KL, et al. **Q J Exp Physiol** 1983 Oct;68(4):579–89

beta-Endorphin controls vasopressin release during foot shock-induced stress in the rat. Knepel W, et al. **Regul Pept** 1983 Sep;7(1):9–19

[Possible role of vasopressin in ischemic accidents related to tobacco consumption] de Lorgeril M, et al. **Arch Mal Coeur** 1984 Jan;77(1):71–5 (Eng. Abstr.) **(Fre)**

[Circulating vasopressin (ADH) during immersion of short duration] Firket P, et al. **C R Soc Biol (Paris)** 1984; 178(1):118–20 (Eng. Abstr.) **(Fre)**

[Antidiuretic hormone and its disorders] Yamaji T. **Horumon To Rinsho** 1984 Jan;32(1):1–6 **(Jpn)**

[Effect of extracorporeal circulation on plasma vasopressin levels in children] Yamashita M, et al. **Masui** 1984 Apr; 33(4):348–51 (Eng. Abstr.) **(Jpn)**

[Measurement of plasma antidiuretic hormone and its significance in subarachnoid hemorrhage] Miyasaka Y, et al. **Neurol Med Chir (Tokyo)** 1984 Mar;24(3):187–93 (Eng. Abstr.) **(Jpn)**

[Effect of enkephalins on vasopressin and aldosterone levels in acute experimental myocardial ischemia] Prum IA, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):18–9 (Eng. Abstr.) **(Rus)**

[Interpretation of laboratory tests in idiopathic orthostatic hypotension (letter)] Gómez Huelgas R, et al. **Med Clin (Barc)** 1984 May 19;82(19):863 **(Spa)**

[Use of the hypertonic saline serum test and vasopressin determination for the differential diagnosis of diabetes insipidus] Martínez Vea A, et al. **Med Clin (Barc)** 1984 Jun 9;83(2):54–7 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid vasopressin and increased intracranial pressure. Sørensen PS, et al. **Ann Neurol** 1984 May; 15(5):435–40

Vasopressin in fetal cerebrospinal fluid. Punnonen R, et al. **Early Hum Dev** 1984 Jun;9(4):309–11

CSF and plasma vasopressin concentrations in dementia. Sørensen PS, et al. **J Neurol Neurosurg Psychiatry** 1983 Oct;46(10):911–6

Clearance of vasopressin from cerebrospinal fluid to blood in chronically cannulated Brattleboro rats. Clark RG, et al. **Neuroendocrinology** 1983 Oct;37(4):242–7

Effects of hypoxia on vasopressin concentrations in cerebrospinal fluid and plasma of sheep. Stark RI, et al. **Neuroendocrinology** 1984 Jun;38(6):453–60

Vasopressin and oxytocin content in cerebrospinal fluid and in various brain areas after administration of histamine and pentylenetetrazol. Mens WB, et al. **Pharmacol Biochem Behav** 1983 Oct;19(4):587–91

CHEMICAL SYNTHESIS

Influence of sarcosine or N-methylalanine in position 7 on the antagonistic properties of [1-deaminopenicillamine]- and [1-(beta-mercapto-beta, beta-cyclopentylmethylene-propionic acid)]-vasopressin. Gazis D, et al. **Int J Pept Protein Res** 1984 Jan;23(1):78–83

DEFICIENCY

Naloxone reduces diuretic responses induced by water, alcohol or congenital lack of vasopressin in rats. Guiol C, et al. **Br J Pharmacol** 1984 Jan;81(1):85–90

Serum levels of growth hormone during the stunted postnatal development of the vasopressin-deficient Brattleboro rat. Boer GJ, et al. **J Endocrinol** 1983 Sep;98(3):351–6

Effect of vasopressin on open field and activity behavior of the vasopressin-deficient (Brattleboro) rat. Williams AR, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):717–20

Behavioral differences between vasopressin-deficient (Brattleboro) and normal Long-Evans rats. Williams AR, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):711–6

DIAGNOSTIC USE

Familial cases of congenital nephrogenic diabetes insipidus type II: Remarkable increment of urinary adenosine 3',5'-monophosphate in response to antidiuretic hormone. Ohzeki T, et al. **J Pediatr** 1984 Apr;104(4):593–5

Regulation of urinary thromboxane B2 in man: influence of urinary flow rate and tubular transport. Zipser RD, et al. **Prostaglandins** 1984 Feb;27(2):257–71

GENETICS

A multigene family for the vasopressin-like hormones? Identification of mesotocin, lysipressin and phenypressin in Australian macropods. Chauvet MT, et al. **Biochem Biophys Res Commun** 1983 Oct 14;116(1):258–63

Divergent neuropeptide evolutionary drifts between American and Australian marsupials. Chauvet J, et al. **Biosci Rep** 1984 Mar;4(3):245–52

Vasopressin and oxytocin mRNA regulation in the rat assessed by hybridization with synthetic oligonucleotides. Majzoub JA, et al. **J Biol Chem** 1983 Dec 10; 258(23):14061–4

Vasopressin, tissue-specific defects and the Brattleboro rat [news] Bonner TI, et al. **Nature** 1984 Jul 5–11;310(5972):17

Single base deletion in the vasopressin gene is the cause of diabetes insipidus in Brattleboro rats. Schmale H, et al. **Nature** 1984 Apr 19–25;308(5961):705–9

Structure and comparison of the oxytocin and vasopressin genes from rat. Ivell R, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2006–10

Vasopressin gene is expressed at low levels in the hypothalamus of the Brattleboro rat. Majzoub JA, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5296–9

Precursors of vasopressin and oxytocin. Gainer H. **Prog Brain Res** 1983;60:205–15

Characterization of the 'giant precursors' (70–80K) of vasopressin and oxytocin in the rat hypothalamus. Moore GJ, et al. **Prog Brain Res** 1983;60:253–6

Synthesis, processing, and gene structure of vasopressin and oxytocin. Richter D. **Prog Nucleic Acid Res Mol Biol** 1983; 30:245–66 (41 ref.)

IMMUNOLOGY

Corticotropin-releasing factor: co-expression within distinct subsets of oxytocin-, vasopressin-, and neurotensin-immunoreactive neurons in the hypothalamus of the male rat. Sawchenko PE, et al. **J Neurosci** 1984 Apr;4(4):1118–29

ISOLATION & PURIFICATION

A vasopressin-like peptide in the mammalian sympathetic nervous system. Hanley MR, et al. **Nature** 1984 May 17–23; 309(5965):258–61

METABOLISM

Humoral factors involved in the regulation of sodium-fluid balance in normal man. I. Effect of dietary sodium chloride intake on renal prostaglandins, vasopressin and renin-angiotensin-aldosterone system. Somova L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(1):21–8

The vasopressor and oxytocic activities of the hypothalamus and neurohypophysis influenced by stimulated alpha-adrenergic transmission during dehydration and subsequent rehydration in the white rat. Ciosek J, et al. **Acta Physiol Pol** 1983 May–Jun;34(3):321–31

The content of vasopressin and oxytocin in the hypothalamus and neurohypophysis of pinealectomized male rats. Juszczak M, et al. **Acta Physiol Pol** 1983 Jan–Feb; 34(1):41–6

The effects of stress on the hypothalamic and neurohypophysial vasopressin content and plasma renin activity in rats. Olczak S, et al. **Acta Physiol Pol** 1983 Jan–Feb;34(1):47–55

Role of lithium-ADH interaction in lithium-induced polyuria. Abramow M, et al. **Adv Nephrol** 1984;13:29–34 (35 ref.)

Metabolism and secretion of antidiuretic hormone in patients with renal failure, cardiac insufficiency, and liver insufficiency. Ardaillou R, et al. **Adv Nephrol** 1984;13:35–49 (25 ref.)

Covalent linkage of [Phe2,Phe(p-N3)3]AVP to vasopressin receptors. Eggena P, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C486–93

Effect of exogenous vasopressin on vasopressin release. Engel PA, et al. **Am J Physiol** 1984 Feb;246(2 Pt 1):E202–7

[1,6-alpha-aminosuberic acid,3-(p-azidophenylalanine), 8-arginine] vasopressin as a photoaffinity label for renal vasopressin receptors: an evaluation. Fahrenholz F, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):974–82

Long term effects on the supraoptic nuclei and neural lobe produced by ablation of the tissue surrounding the preoptic recess (AV3V). Carithers J, et al. **Brain Res** 1984 Jul 2; 305(1):123–40

Electrophysiological evidence that noradrenergic afferents selectively facilitate the activity of supraoptic vasopressin neurons. Day TA, et al. **Brain Res** 1984 Jun 15; 303(2):233–40

Comparison of the distribution of oxytocin and vasopressin in the rat brain. Hawthorn J, et al. **Brain Res** 1984 Jul 30;307(1–2):289–94

Contrasting interactions of the locus coeruleus as compared to the ventral noradrenergic bundle with CNS and pituitary pools of vasopressin, dynorphin and related opioid peptides in the rat. Millan MJ, et al. **Brain Res** 1984 Apr 30; 298(2):243–52

Human brain contains vasopressin and vasoactive intestinal polypeptide neuronal subpopulations in the suprachiasmatic region. Stopa EG, et al. **Brain Res** 1984 Apr 9; 297(1):159–63

The effect of aging on vasopressin system in Fisher 344 rats.

Zbuzek VK, et al. **Exp Gerontol** 1983;18(4):305–11

A procedure for small-volume brain grafting; vasopressin cells in neonatal and adult Brattleboro rats. Boer GJ, et al. **J Neurosci Methods** 1984 May;11(1):39–45

Possible actions of gonadal oxytocin and vasopressin. Wathes DC. **J Reprod Fertil** 1984 May;71(1):315–45 (287 ref.)

Variations in oxytocin, vasopressin and neurophysin concentrations in the bovine ovary during the oestrous cycle and pregnancy. Wathes DC, et al. **J Reprod Fertil** 1984 Jul;71(2):551–7

Response of brain and pituitary pools of dynorphin as compared to vasopressin to acute stress in the rat. Millan MJ, et al. **Life Sci** 1983;33 Suppl 1:29–32

A compartmentalized, organ-cultured hypothalamo-neurohypophysial system for the study of vasopressin release. Gregg CM, et al. **Neuroendocrinology** 1984 May;38(5):397–402

Drug-induced elevation of vasopressin-like immunoreactivity in Raphe and septal regions of the mouse CNS. Leccese AP. **Neuroendocrinology** 1983 Dec; 37(6):411–5

The relationship between calcium uptake and hormone release in the isolated neurohypophysis. A reassessment. Shaw FD, et al. **Neuroendocrinology** 1984 Jun;38(6):504–10

Corticotropin-releasing factor-immunoreactive neurons of the paraventricular nucleus become vasopressin positive after adrenalectomy. Kiss JZ, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1854–8

Co-expression of corticotropin-releasing factor and vasopressin immunoreactivity in parvocellular neurosecretory neurons of the adrenalectomized rat. Sawchenko PE, et al. **Proc Natl Acad Sci USA** 1984 Mar; 81(6):1883–7

Vasopressin: mechanisms of receptor activation. Jard S. **Prog Brain Res** 1983;60:383–94

Is vasopressin-stimulated inositol lipid breakdown intrinsic to the mechanism of Ca2+-mobilization at V1 vasopressin receptors? Kirk CJ, et al. **Prog Brain Res** 1983;60:405–11

Dynorphin-A-(1-8) is contained within vasopressin neurosecretory vesicles in rat pituitary. Whitnall MH, et al. **Science** 1983 Dec 9;222(4628):1137–9

[Vasopressin content of the plasma and cerebrospinal fluid of rabbits after nicotine administration] Schuart J, et al. **Pharmazie** 1983 Dec;38(12):886–7 **(Ger)**

PHARMACODYNAMICS

Prevention of hyponatraemia and cerebral oedema by the vasopressin antagonist d/CH2/5Tyr/Et/VAVP in rats treated with pitressin tannate. László FA, et al. **Acta Endocrinol (Copenh)** 1984 May;106(1):56–60

Inhibition of prostaglandin synthesis and the action of vasopressin during extracellular volume expansion in the dog. Kövér G, et al. **Acta Physiol Hung** 1983;61(3):169–84

Correlation between water flow and intramembrane particle aggregates in toad epidermis. Brown D, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):C334–42

Cytoplasmic involvement in ADH-mediated osmosis across toad urinary bladder. DiBona DR. **Am J Physiol** 1983 Nov; 245(5 Pt 1):C297–307

ADH-like effects of calcitonin on electrolyte transport by Henle's loop of rat kidney. Elalouf JM, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F213–20

Influence of vasopressin on renal hemodynamics in conscious Brattleboro rats. Gellai M, et al. **Am J Physiol** 1984 Jun; 246(6 Pt 2):R819–27

Alteration of luminal membrane structure by antidiuretic hormone. Hays RM. **Am J Physiol** 1983 Nov;245(5 Pt 1):C289–96 (58 ref.)

Effect of an osmotic gradient on antidiuretic hormone-induced endocytosis and hydroosmosis in the toad urinary bladder. Masur SK, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):F370–9

Aggregate-carrying membranes during ADH stimulation and washout in toad bladder. Muller J, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):C90–8

Mechanism of decreased pressor responsiveness to ANG II, NE, and vasopressin in pregnant rats. Paller MS. **Am J Physiol** 1984 Jul;247(1 Pt 2):H100–8

Modulation of antidiuretic hormone-dependent capacitance and water flow in toad urinary bladder. Palmer LG, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F501–8

Effects of cellular acidification on ADH-induced intramembrane particle aggregates. Parisi M, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):C157–9

Efferent role of ADH in CNS-induced natriuresis. Pierce ET, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):F32–8

Vasopressin impairs or enhances retention of learned submissive behavior in mice depending on the time of application. Siegfried B, et al. **Behav Brain Res** 1984 Mar; 11(3):259–69

Serum, platelet-derived growth factor, vasopressin and phorbol esters increase intracellular pH in Swiss 3T3 cells. Burns CP, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):931–8

Glycogenolytic effects of the calcium ionophore A23187, but not of vasopressin or angiotensin, in foetal-rat hepatocytes. Freemark M, et al. **Biochem J** 1984 Jun 1;220(2):441–5

The role of cytoplasmic free calcium in the responses of quin2-loaded human platelets to vasopressin. Hallam TJ, et al. **Biochem J** 1984 Aug 1;221(3):897–901

Determination of mitochondrial calcium content in hepatocytes by a rapid cellular fractionation technique. Vasopressin stimulates mitochondrial Ca2+ uptake. Shears SB, et al. **Biochem J** 1984 Jun 1;220(2):417–21

Distinct effects of glucagon and vasopressin on proline metabolism in isolated hepatocytes. The role of oxoglutarate dehydrogenase. Staddon JM, et al. **Biochem J** 1984 Jan 15;217(2):477–83

Vasopressin promotes the metabolism of near-physiological concentration of glutamine in isolated rat liver cells. Martin G, et al. **Biosci Rep** 1984 Feb;4(2):171–6

Inhibition of lipogenesis by vasopressin and angiotensin II in glycogen-depleted hepatocytes. Palmer TN, et al. **Biosci Rep** 1983 Nov;3(11):1063–70

Effects of hyperthyroidism on stimulation of [1-14C]oleate oxidation to 14CO2 in isolated hepatocytes from fed rats by the catecholamines, vasopressin, and angiotensin II. Sugden MC, et al. **Biosci Rep** 1983 Aug;3(8):757–65

Effect of vasopressin on the permeability of nonelectrolytes across the skins of Rana esculenta and Bufo bufo. Ardizzone C, et al. **Boll Soc Ital Biol Sper** 1984 May 30; 60 Suppl 4:207–11

Hydrosmotic effect of vasopressin in frog skin of Rana esculenta: effect of calcium ionophore A23187. Svelto M, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:201–5

The effect of vasopressin on fetal oxygenation in sheep. Rurak DW, et al. **Can J Physiol Pharmacol** 1984 Jan; 62(1):27–30

The effect of angiotensin and vasopressin blockade separately and in combination with cerebellectomy on recovery from hemorrhagic hypotention. Lutherer LO, et al. **Circ Shock** 1983;10(4):329–40

Chronic effects of norepinephrine and vasopressin on urinary prostaglandin E and kallikrein excretions in conscious rats. Yasujima M, et al. **Clin Exp Hypertens [A]** 1984; 6(7):1297–310

Effect of vasopressin on liver blood flow in the hypophysectomised rat. Jenkins SA, et al. **Digestion** 1984; 29(3):177–82

In vitro adrenocorticotropin/beta-endorphin-releasing activity of vasopressin analogs is related neither to pressor nor to antidiuretic activity. Knepel W, et al. **Endocrinology** 1984 May;114(5):1797–804

Interactions of vasopressin agonists and antagonists with membrane receptors. Fahrenholz F, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):47–58

In vitro CRF activity of vasopressin analogs is not related to pressor activity. Knepel W, et al. **Eur J Pharmacol** 1983 Jul 15;91(1):115–8

Insulin induces a selective heterologous desensitization of the mitogenic response of Swiss 3T3 cells to vasopressin. Collins MK, et al. **Exp Cell Res** 1984 Apr;151(2):396–407

Effect of norepinephrine and vasopressin on carotid sinus baroreceptor activity in the anesthetized rabbit. Holmes AE, et al. **Experientia** 1984 Aug 15;40(8):825–7

Hormonal effects on the phosphorylation of glycogen synthase in rat hepatocytes. Ariño J, et al. **FEBS Lett** 1984 May 21;170(2):310–4

Cytosolic free Ca2+ in isolated rat hepatocytes as measured by quin2. Effects of noradrenaline and vasopressin. Berthon B, et al. **FEBS Lett** 1984 Feb 13;167(1):19–24

Studies on the mechanism of inhibition of hepatic cAMP accumulation by vasopressin. Morgan NG, et al. **FEBS Lett** 1983 Nov 14;163(2):277–81

The development of vasopressin antagonists. Sawyer WH, et al. **Fed Proc** 1984 Jan;43(1):87–90

The role of hormones in regulation of carbohydrate metabolism in the Australian lungfish Neoceratodus forsteri. Hanke W, et al. **Gen Comp Endocrinol** 1983 Sep; 51(3):364–9

The influence of vasoactive agents on metabolic activity of the liver in cirrhosis: a study of the effects of posterior pituitary extract, vasopressin, and somatostatin. Barbare JC, et al. **Hepatology** 1984 Jan-Feb;4(1):59–62

Induction of taurocholate release from isolated rat hepatocytes in suspension by alpha-adrenergic agents and vasopressin: implications for control of bile salt secretion. Gewirtz DA, et al. **Hepatology** 1984 Mar-Apr;4(2):205–12

Additive effects of aldosterone with vasopressin or angiotensin. Friedman SM. **Hypertension** 1984 Mar-Apr; 6(2 Pt 1):242–8

The short term hormonal control of cytoplasmic protein phosphorylation in hepatocytes from fed rats. Knowles RG, et al. **Int J Biochem** 1983;15(8):1039–49

Central effects of vasopressin in man. Audibert A, et al. **Int J Neurol** 1980;14(2-4):162–74 (49 ref.)

Evidence for the role of phosphorylase kinase, protein kinase C, and other Ca2+-sensitive protein kinases in the response of hepatocytes to angiotensin II and vasopressin. Garrison JC, et al. **J Biol Chem** 1984 Mar 10;259(5):3283–92

Rapid changes in hepatocyte phosphoinositides induced by vasopressin. Litosch I, et al. **J Biol Chem** 1983 Nov 25; 258(22):13727–32

Characterization of the hormone-sensitive phosphatidylinositol pool in WRK-1 cells. Monaco ME, et al. **J Biol Chem** 1983 Dec 25;258(24):15125–9

Vasopressin-, angiotensin II-, and alpha 1-adrenergic-induced inhibition of Ca2+ transport by rat liver plasma membrane vesicles. Prpić V, et al. **J Biol Chem** 1984 Feb 10;259(3):1382–5

Relationship between inositol polyphosphate production and the increase of cytosolic free Ca2+ induced by vasopressin in isolated hepatocytes. Thomas AP, et al. **J Biol Chem** 1984 May 10;259(9):5574–84

Augmentation of ACTH-releasing activity of synthetic corticotropin releasing factor (CRF) by vasopressin in women. Liu JH, et al. **J Clin Endocrinol Metab** 1983 Nov; 57(5):1087–9

Interactions of lysyl-bradykinin and antidiuretic hormone in the rabbit cortical collecting tubule. Schuster VL, et al. **J Clin Invest** 1984 Jun;73(6):1659–67

The water permeability of toad urinary bladder. II. The value of Pf/Pd(w) for the antidiuretic hormone-induced water permeation pathway. Levine SD, et al. **J Gen Physiol** 1984 Apr;83(4):543–61

Effects of potassium-free media on ADH action in toad urinary bladder. Kachadorian WA, et al. **J Membr Biol** 1984;77(2):161–7

Quantitative analysis of the structural events associated with antidiuretic hormone-induced volume reabsorption in the rabbit cortical collecting tubule. Kirk KL, et al. **J Membr Biol** 1984;79(1):65–74

Acute effects of antidiuretic hormone on urinary prostaglandin excretion. Fejes-Toth G, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):215–9

Central cardiovascular effects of vasotocin, oxytocin and vasopressin in conscious rats. Feuerstein G, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):348–53

Evidence for the direct effect of vasopressin on human and goat cerebral arteries. Lluch S, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):749–55

Effects of hormonal and electrical stimulation of sodium transport on metabolism of toad urinary bladder. McLaughlin CW. **J Physiol (Lond)** 1984 Jan;346:419–37

Interactions between CRF, epinephrine, vasopressin and glucocorticoids in the control of ACTH secretion. Labrie F, et al. **J Steroid Biochem** 1984 Jan;20(1):153–60

Vasopressin: a potent growth factor in adrenal glomerulosa cells in culture. Payet N, et al. **J Steroid Biochem** 1984 Jan;20(1):449–54

Influence of ADH on renal potassium handling: a micropuncture and microperfusion study. Field MJ, et al. **Kidney Int** 1984 Mar;25(3):502–11

Oxytocin potentiates the ACTH-releasing activity of CRF(41) but not vasopressin. Gibbs DM, et al. **Life Sci** 1984 Jun 4;34(23):2245–9

Pancreatic secretion: I. Effects of vasopressin and glucagon on pancreatic blood flow and secretion. Papp M, et al. **Mt Sinai J Med (NY)** 1983 Sep-Oct;50(5):439–40

Vasopressin fails to restore postnatally the stunted brain development in the Brattleboro rat, but affects water metabolism permanently. Boer GJ, et al. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):103–9

Opioid and dopamine involvement in prolactin release induced by arginine vasotocin and vasopressin in the male rat. Blask DE, et al. **Neuroendocrinology** 1984 Jan; 38(1):56–61

Stimulation of adrenocorticotropin/beta-endorphin release by synthetic ovine corticotropin-releasing factor in vitro. Enhancement by various vasopressin analogs. Knepel W, et al. **Neuroendocrinology** 1984 May;38(5):344–50

Calcium-containing mitochondrial granules in neurohypophysial axon terminals disappear following vasopressin treatment of Brattleboro rats. Karcsú S, et al. **Neurosci Lett** 1983 Aug 29;39(2):181–5

Effect of chronic vasopressin treatment on alcohol drinking of Brattleboro HZ and DI rats. Myers RD, et al. **Peptides (Fayetteville)** 1983 May-Jun;4(3):359–66

Effects of osmolality and antidiuretic hormone on prostaglandin synthesis by renal papilla. Study in Brattleboro rats with diabetes insipidus. Bouby N, et al. **Pflugers Arch** 1984 Jan;400(1):96–9

Effects of catecholamine-related mammalian alkaloids on spontaneous and vasopressin-induced behavior in mice. Meisenberg G, et al. **Pharmacol Biochem Behav** 1984 Mar; 20(3):355–60

Effects of oxytocin and vasopressin on ganglionic transmission at the rabbit superior cervical ganglion. Wali FA. **Pharmacol Res Commun** 1984 Jan;16(1):55–62

Contributions of vasopressin and other pressor systems to DOC-salt hypertension in rats. Mento PF, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):58–63

Critical differences between species in the in vivo and in vitro renal responses to antidiuretic hormone antagonists. Stassen FL, et al. **Prog Brain Res** 1983;60:395–403

Vasopressin stimulates thromboxane synthesis in isolated hamster hepatocytes: relation to hepatocyte calcium content. Chong KP, et al. **Prostaglandins** 1983 Sep; 26(3):397–408

Renal thromboxane excretion in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Effect of vasopressin treatment. Güllner HG, et al. **Prostaglandins Leukotrienes Med** 1983 Oct;12(2):119–23

Effect of angiotensin II and vasopressin on acquisition and extinction of conditioned avoidance in rats. Baranowska D, et al. **Psychopharmacology (Berlin)** 1983;81(3):247–51

The effect of continuous vasopressin infusion on splanchnic blood flow, liver function, and portal and central venous pressures in patients with cirrhosis. Ranek L, et al. **Scand J Clin Lab Invest** 1984 May;44(3):251–6

Some properties of the human platelet vasopressin receptor. Thomas ME, et al. **Thromb Res** 1983 Dec 15;32(6):557–66

Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. Mia AJ, et al. **Tissue Cell** 1983;15(5):737–48

[Use of a peripheral vasoconstrictor: ornithine-8-vasopressin

(POR 8) in plastic and esthetic surgery] Mouly R, et al. **Ann Chir Plast Esthet** 1983;28(4):390–2 (Eng. Abstr.) **(Fre)**

[POR 8 (ornipresin). Local vasoconstrictive effect and hemodynamic activity during surgery in ENT clinics] Hirlinger WK, et al. **Anaesthesist** 1984 Mar;33(3):149–53 (Eng. Abstr.) **(Ger)**

[Experimental studies of the chemical stimulation of uterus involution in the early puerperium of cattle] Plötner J, et al. **Arch Exp Veterinarmed** 1984 Mar;38(2):133–41 (Eng. Abstr.) **(Ger)**

[Effect of ionophore A23187 on the response to ADH in the ventral skin of Rana esculenta] Casavola V, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):935–41 (Eng. Abstr.) **(Ita)**

[Effects of vasopressin on sodium transport and osmotic water flow in MDCK monolayer cells] Marumo F, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):874–5 **(Jpn)**

[Effects of vasopressin and insulin on sodium transport in the cultured renal cells] Saito T. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):872–4 **(Jpn)**

[Effect of an antidiuretic hormone on the aldosterone level in the blood plasma of rats with chronic water load and limited sodium intake] Shul'ga VA. **Biull Eksp Biol Med** 1984 Aug;97(8):137–9 (Eng. Abstr.) **(Rus)**

[Effect of vasopressin on vascular smooth muscles in animals of different ages] Gurevich MI, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):107–10 **(Rus)**

PHYSIOLOGY

Effects of antidiuretic hormone on renal reabsorption of electrolytes. de Rouffignac C, et al. **Adv Nephrol** 1984; 13:297–317 (37 ref.)

The mechanisms of action of antidiuretic hormone. Jard S, et al. **Adv Nephrol** 1984;13:163–77 (46 ref.)

Nephrogenic diabetes insipidus: clinical and pathophysiological aspects. Niaudet P, et al. **Adv Nephrol** 1984;13:247–60 (42 ref.)

Interaction of cAMP and calcium–calmodulin in the action of vasopressin. Schlondorff D, et al. **Adv Nephrol** 1984; 13:319–39 (46 ref.)

Contribution of vasopressin to the maintenance of blood pressure during dehydration. Woods RL, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):F615–21

Gonadal hormone actions on the morphology of the vasopressinergic innervation of the adult rat brain. de Vries GJ, et al. **Brain Res** 1984 Apr 23;298(1):141–5

The origin of the vasopressinergic and oxytocinergic innervation of the rat brain with special reference to the lateral septum. De Vries GJ, et al. **Brain Res** 1983 Aug 29;273(2):307–17

Amygdala and pyriform cortex kindling in vasopressin deficient rats (Brattleboro strain). Gillis BJ, et al. **Brain Res** 1983 Jul 25;271(2):375–8

Vasopressin: its role in antipyresis and febrile convulsion. Veale WL, et al. **Brain Res Bull** 1984 Feb;12(2):161–5

Redundant nature of the vasopressin and renin—angiotensin systems in the control of mesenteric resistance vessels of the conscious fasted cat. McNeill JR. **Can J Physiol Pharmacol** 1983 Jul;61(7):770–3

Role of vasopressin in the control of arterial pressure. McNeill JR. **Can J Physiol Pharmacol** 1983 Nov; 61(11):1226–35 (80 ref.)

Vasopressin and angiotensin in the control of arterial pressure and regional blood flow in anaesthetized, surgically stressed rats. Pang CC. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1494–500

Relative contribution of vasopressin and angiotensin II to the altered renal microcirculatory dynamics in two-kidney Goldblatt hypertension. Ichikawa I, et al. **Circ Res** 1983 Nov;53(5):592–602

Pathogenesis of hypertension in spontaneously hypertensive rats: definite evidence against a pressor role of vasopressin. Lang RE, et al. **Clin Exp Hypertens [A]** 1984;6(1–2):121–38

Endogenous vasopressin modulates the baroreflex sensitivity in rats. Imai Y, et al. **Clin Exp Pharmacol Physiol** 1983 May–Jun;10(3):289–92

Ovine corticotropin-releasing factor and vasopressin: antibody-quenching studies on hypothalamic extracts of normal and Brattleboro rats. Linton EA, et al. **Endocrinology** 1983 Nov;113(5):1878–83

Regulation by adenosine of the vasopressin-sensitive adenylate cyclase in pig-kidney cells (LLC-PK1L) grown in defined media. Roy C. **Eur J Biochem** 1984 Sep 3; 143(2):243–50

Vasopressin and oxytocin in the neural control of the circulation. Schmid PG, et al. **Fed Proc** 1984 Jan; 43(1):97–102

Vasopressin and cardiovascular regulation. Introduction. Share L. **Fed Proc** 1984 Jan;43(1):78–9

The role of vasopressin in hypertension. Share L, et al. **Fed Proc** 1984 Jan;43(1):103–6

Vasopressinergic and oxytocinergic pathways in the central nervous system. Zimmerman EA, et al. **Fed Proc** 1984 Jan; 43(1):91–6

On the possible role played by vasopressin in paraventricular nucleus–feeding behavior relationship [letter] Crine AF. **Horm Behav** 1983 Sep;17(3):342–3

Maintenance of arterial pressure by vasopressin and angiotensin II after adrenalectomy. Elijovich F, et al. **Hypertension** 1983 Nov–Dec;5(6 Pt 3):V53–6

Endocrine control of salt and water excretion: the role of vasopressin in DOCA-salt hypertension. Hofbauer KG, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 1:S184–91

The significance of vasopressin as a pressor agent. Hofbauer KG, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 2:S429–38 (67 ref.)

Role of antidiuretic hormone in impaired water excretion of patients with congestive heart failure. Pruszczynski W, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):599–605

Role of vasopressin in regulation of renal kinin excretion in Long-Evans and diabetes insipidus rats. Kauker ML, et al. **J Clin Invest** 1984 Mar;73(3):824–31

Control of Na+ and water absorption across vertebrate 'tight epithelia by adh and aldosterone. Lewis SA. **J Exp Biol** 1983 Sep;106:9–24 (33 ref.)

Hormonal control of apical membrane Na transport in epithelia. Studies with fluctuation analysis. Helman SI, et al. **J Gen Physiol** 1983 Aug;82(2):201–20

Prostaglandin–vasopressin interactions on the renal handling of calcium and magnesium. Roman RJ, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):295–301

Renal blood flow and its distribution following haemorrhage in the rat: the role of vasopressin. Al-Omar Azzawi S, et al. **J Physiol (Lond)** 1984 Jan;346:171–9

Possible vasopressin role in premenstrual syndrome? [news] Gunby P. **JAMA** 1984 Aug 17;252(7):882

Vasopressin as a possible contributor to hypertension. Yazaki Y, et al. **Jpn Circ J** 1984 Feb;48(2):188–95

A hypothesis on the role of antidiuretic hormone in preeclampsia. Burt RK. **Med Hypotheses** 1983 Sep; 12(1):61–6

Vasopressin as a putative mediator in SHR hypoalgesia. Crine AF, et al. **Med Hypotheses** 1984 Jul;14(3):297–300

Modulation of stress-induced ACTH release by corticotropin-releasing factor, catecholamines and vasopressin. Rivier C, et al. **Nature** 1983 Sep 22–28; 305(5932):325–7

Vasopressin and central integrative processes. Doris PA. **Neuroendocrinology** 1984 Jan;38(1):75–85 (127 ref.)

Cardiovascular response to vasopressin vasopressor antagonist administration during water deprivation in the rat. Rockhold RW, et al. **Neuroendocrinology** 1984 Feb; 38(2):139–44

Role for lateral tegmental noradrenergic neurons in the vasopressin response to hypertonic saline. Lightman SL, et al. **Neurosci Lett** 1983 Nov 21;42(1):55–9

Involvement of vasopressin in brain edema formation: further evidence obtained from the Brattleboro diabetes insipidus rat with experimental subarachnoid hemorrhage. Dóczi T, et al. **Neurosurgery** 1984 Apr;14(4):436–41

Intraventricular administration of antivasopressin serum inhibits retention in mice. Leccese AP, et al. **Peptides (Fayetteville)** 1983 Mar–Apr;4(2):265–7

In vitro and in vivo studies on development and regeneration of vasopressin neurons. Scharoun SL, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:157–67

Synaptic input to vasopressin neurons of the paraventricular nucleus (PVN). Silverman AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:139–50

Vasopressin and oxytocin—their role in neurotransmission. Buijs RM. **Pharmacol Ther** 1983;22(1):127–41 (78 ref.)

Vasopressin, corticoliberins and the central control of ACTH secretion. Baertschi AJ, et al. **Prog Brain Res** 1983; 60:505–11

Vasopressin and oxytocin: distribution and putative functions in the brain. Buijs RM, et al. **Prog Brain Res** 1983;60:115–22

Transplanted vasopressin neurones and central nervous system effects of vasopressin. Gash DM, et al. **Prog Brain Res** 1983;60:189–95

Interactions between vasopressin and the renin—angiotensin system. Reid IA, et al. **Prog Brain Res** 1983;60:475–91 (74 ref.)

Combined morphometric and immunocytochemical evidence that in the paraventricular nucleus of the rat oxytocin- but not vasopressin-neurones respond to the suckling stimulus. Russell JA. **Prog Brain Res** 1983;60:31–8

Morphology of vasopressin and oxytocin neurones and their central and vascular projections. Sofroniew MV. **Prog Brain Res** 1983;60:101–14

Vasopressin and adrenal cortical interactions. Zimmerman EA, et al. **Prog Brain Res** 1983;60:493–504

A critique of the vasopressin–memory hypothesis. Sahgal A. **Psychopharmacology (Berlin)** 1984;83(3):215–28 (120 ref.)

Compositional changes of the corticopapillary osmotic gradient during dehydration in the absence of vasopressin. Williamson GL, et al. **Renal Physiol** 1984;7(1):54–64

Prostaglandin E—vasopressin interrelation in the syndrome of inappropriate secretion of antidiuretic hormone. Hsieh BS. **Taiwan I Hsueh Hui Tsa Chih** 1983 Apr;82(4):481–9

[Neurophysins, vasopressin and cognitive function in aging] Legros JJ, et al. **Acta Psychiatr Belg** 1983 Jul–Aug; 83(4):332–48 (Eng. Abstr.) **(Fre)**

[Regulation of blood pressure by vasopressin] Yoshida S, et al. **Horumon To Rinsho** 1983 Nov;31(11):1093–6 **(Jpn)**

[Effects of endogenous prostaglandins and vasopressin on osmotic water flow and activation of adenylate cyclase] Shimada H, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul; 25(7):922–3 **(Jpn)**

[Role of antidiuretic hormone in hyponatremia of a patient with primary hypothyroidism] Shoji M, et al. **Nippon Naika Gakkai Zasshi** 1983 Dec;72(12):1783–90 **(Jpn)**

[Water–sodium metabolism and neuropeptides] Itoh S. **Nippon Rinsho** 1983 May;41(5):957–62 (18 ref.) **(Jpn)**

[Vasopressin in arterial hypertension] Krajewska M, et al. **Kardiol Pol** 1983;26(2):173–7 (27 ref.) **(Pol)**

SECRETION

Intravenous injections of nicotine induce very rapid and discrete reductions of hypothalamic catecholamine levels associated with increases of ACTH, vasopressin and prolactin secretion. Andersson K, et al. **Acta Physiol Scand** 1983 May;118(1):35–40

Cortisol infusion blocks adrenocorticotropic hormone but not vasopressin responses to hypotension in fetal lambs. Dix PM, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):317–21

Antidiuresis and vasopressin release with hypoxemia and hypercapnia in conscious dogs. Rose CE Jr, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R127–34

Carotid arterial control of vasopressin secretion in sheep. Wood CE, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R589–94

Vasopressin: mediator of the clinical signs of fetal distress. Gaffney PR, et al. **Br J Obstet Gynaecol** 1983 Oct; 90(10):987

Subformical organ—supraoptic nucleus connections: an electrophysiologic study in the rat. Sgro S, et al. **Brain Res** 1984 Jun 11;303(1):7–13

ADH secretion and free-water clearance [letter] Hegeman TF. **Crit Care Med** 1984 Aug;12(8):698–9

Drug management of antidiuretic hormone imbalance following pituitary surgery. Benzie JL, et al. **Drug Intell Clin Pharm** 1983 Dec;17(12):886–9

The role of central alpha 1- and alpha 2-adrenoceptors in the regulation of vasopressin release and the cardiovascular system. Kimura T, et al. **Endocrinology** 1984 Apr; 114(4):1426–32

Role of the renin-angiotensin system in the control of vasopressin and ACTH secretion during the development of renal hypertension in dogs. Ben LK, et al. **Hypertension** 1984 Jan–Feb;6(1):35–41

Mechanism of antidiuresis by carbamazepine in diabetes insipidus. Sharma V, et al. **Indian J Med Res** 1983 Aug; 78:273–6

Release of oxytocin and vasopressin by magnocellular nuclei in vitro: specific facilitatory effect of oxytocin on its own release. Moos F, et al. **J Endocrinol** 1984 Jul;102(1):63–72

Reversible fatigue of stimulus–secretion coupling in the rat neurohypophysis. Bicknell RJ, et al. **J Physiol (Lond)** 1984 Mar;348:601–13

The effect of naloxone on vasopressin release from rat neurohypophysis incubated in vitro. Knepel W, et al. **J Physiol (Lond)** 1983 Aug;341:507–15

Conditions for secretion of vasopressin in pressor amounts in water-replete rats. Iriuchijima J. **Jpn J Physiol** 1983; 33(6):887–94

Inhibition of Na pumps enhances Ca-dependent release of vasopressin from the isolated neurohypophysis of the rat. Sorimachi M. **Jpn J Physiol** 1983;33(6):1061–6

Antidiuretic hormone and psychogenic polydipsia [letter] Lever EG, et al. **Lancet** 1984 Jun 30;1(8392):1468–9

Effect of neonatal treatment with monosodium glutamate on vasopressin release during foot shock stress in the rat. Knepel W, et al. **Life Sci** 1983 Oct 24;33(17):1703–9

Naloxone increases vasopressin secretion from the neurointermediate lobe of the hypophysis of the rat: search for the endogenous agonist. Knepel W, et al. **Life Sci** 1983; 33 Suppl 1:499–502

Vasopressin release induced by water deprivation: effects of centrally administered saralasin. Keil LC, et al. **Neuroendocrinology** 1983 Dec;37(6):401–5

Oxytocin unlike vasopressin is a stress hormone in the rat. Lang RE, et al. **Neuroendocrinology** 1983 Oct;37(4):314–6

Muscimol inhibits ADH release induced by hypertonic sodium chloride in rats. Iovino M, et al. **Pharmacol Biochem Behav** 1983 Aug;19(2):335–8

Vasopressin release by D-aspartic acid, morphine and prolyl-leucyl-glycinamide (PLG) in DI Brattleboro rats. Koyuncuoğlu H, et al. **Pharmacol Biochem Behav** 1984 Apr; 20(4):519–25

Differential regulation of oxytocin- and vasopressin-secreting nerve terminals. Bicknell RJ, et al. **Prog Brain Res** 1983;60:333–41

Stimulus–secretion coupling. Nordmann JJ. **Prog Brain Res** 1983;60:281–304

Electrophysiology of the afferent input to oxytocin- and vasopressin-secreting neurones. Facts and problems. Poulain DA. **Prog Brain Res** 1983;60:39–52 (100 ref.)

Centrally acting humoral factors in the control of vasopressin release. Share L. **Prog Brain Res** 1983;60:425–35

Regulation of vasopressin release by neurotransmitters, neuropeptides and osmotic stimuli. Sladek CD. **Prog Brain Res** 1983;60:71–90 (191 ref.)

Enkephalin–glial interaction and its consequence for vasopressin and oxytocin release from the rat neural lobe. Van Leeuwen FW, et al. **Prog Brain Res** 1983;60:343–51

Pericardial tamponade and excessive secretion of antidiuretic hormone. Douglas JE, et al. **South Med J** 1983 Oct; 76(10):1327–8

[Recent discoveries on the release and effects of vasopressin and oxytocin] Scherbaum WA. **Dtsch Med Wochenschr** 1983 Dec 23;108(51–52):1970–5 **(Ger)**

[Periodic abnormal secretion of ACTH and ADH] Kato K, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:26–9 **(Jpn)**

[Follow up study of diabetes insipidus after surgery for craniopharyngiomas in children and adults] Shibata S, et al. **Neurol Med Chir (Tokyo)** 1983 Oct;23(10):797–801 (Eng. Abstr.) **(Jpn)**

[Hyponatremia due to resetting of osmostat in a patient with pituitary adenoma] Iitake K, et al. **Nippon Naika Gakkai Zasshi** 1983 Nov;72(11):1570–7 **(Jpn)**

[Water–electrolyte regulating hormone and endocrinological tests] Tsutsui K, et al. **Rinsho Byori** 1984 Jan;Spec No 58:95–108 (36 ref.) **(Jpn)**

THERAPEUTIC USE

Effect of vasopressin on memory following electroconvulsive therapy. Lerer B, et al. **Biol Psychiatry** 1983 Jul;18(7):821–4

Drug therapy of portal hypertension and oesophageal varices. Hayes P, et al. **Br J Hosp Med** 1984 Jul;32(1):39–42

Comparison of intravenous somatostatin and vasopressin infusions in treatment of acute variceal hemorrhage. Kravetz D, et al. **Hepatology** 1984 May–Jun;4(3):442–6

Acute post–traumatic diabetes insipidus: treatment with continuous intravenous vasopressin. Levitt MA, et al. **J Trauma** 1984 Jun;24(6):532–5

Transient vasopressin–resistant diabetes insipidus of pregnancy. Barron WM, et al. **N Engl J Med** 1984 Feb 16;310(7):442–4

Vasopressin in Alzheimer's disease [letter] Reding MJ, et al. **Neurology (NY)** 1983 Dec;33(12):1634–5

Vasopressin–like peptides and the treatment of memory disorders in man. Jolles J. **Prog Brain Res** 1983;60:169–82

Vasopressin perfusion of esophageal varices in cirrhotic patients: cineangiographic study. Valla D, et al. **Radiology** 1984 Jul;152(1):45–9

[Lessons drawn from 25 years of vasopressin use in patients with cirrhosis] Barbare JC, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):253–4 **(Fre)**

[What form of vasopressin to use for the emergency treatment of ruptured esophageal varices?] Valla D. **Gastroenterol Clin Biol** 1984 Jun–Jul;8(6–7):501–2 **(Fre)**

[The effect of vasopressin analogs on water metabolism] László F, et al. **Z Gesamte Inn Med** 1983 Nov 15; 38(22):248–50 (Eng. Abstr.) **(Ger)**

[Effect of vasopressin on memory in healthy probands and patients with central diabetes insipidus] László FA. **Z Gesamte Inn Med** 1983 Aug 1;38(15):413–5 (Eng. Abstr.) **(Ger)**

[The effect of neuropeptides on memory: prospects for their clinical application] Morozov GV, et al. **Vopr Med Khim** 1984 May–Jun;30(3):63–8 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of antidiuretic preparations used in treating diabetes insipidus patients] Kolomolskaia MB, et al. **Vrach Delo** 1984 Apr;(4):76–9 (Eng. Abstr.) **(Rus)**

URINE

Chlordiazepoxide and urinary antidiuretic hormone [letter] Puri VN. **Biol Psychiatry** 1983 Jul;18(7):837–8

Renal excretion of antidiuretic hormone in healthy subjects and patients with renal failure. Pruszczynski W, et al. **Clin Sci** 1984 Sep;67(3):307–12

Excretion of vasopressin in the hypoxic lamb: comparison between fetus and newborn. Daniel SS, et al. **Pediatr Res** 1984 Mar;18(3):227–31

[Sudden infant death with abnormal secretion of urinary ADH] Yokoya S, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:24–6 **(Jpn)**

VASOPRESSOR AGENTS see **VASOCONSTRICTOR AGENTS**

VASOTOCIN

ANALYSIS

Radioimmunoassay of vasotocin, vasopressin, and oxytocin in human neonatal cerebrospinal and amniotic fluid. Artman HG, et al. **Dev Pharmacol Ther** 1984;7(1):39–49

Immunological and biological characteristics of the vasotocin–like activity in the head ganglia of gastropod molluscs. Sawyer WH, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):97–108

Immunocytochemical localization of peptidergic cells in the neuro–endocrine system of the Colorado potato beetle, Leptinotarsa decemlineata, with antisera against vasopressin, vasotocin and oxytocin. Veenstra JA, et al. **Histochemistry** 1984;81(1):29–34

The distribution of vasotocin and isotocin in the brain of the rainbow trout. Van den Dungen HM, et al. **J Comp Neurol** 1982 Dec 1;212(2):146–57

Neurohypophysial peptides in the human fetus: presence in pituitary extracts of immunoreactive arginine–vasotocin. Smith A, et al. **J Endocrinol** 1983 Dec;99(3):441–5

BLOOD

Blood volume changes and arginine vasotocin (AVT) blood concentration in conscious fresh water and salt water adapted ducks. Simon–Oppermann C, et al. **Pflugers Arch** 1984 Feb;400(2):151–9

GENETICS

Synthesis, processing, and gene structure of vasopressin and oxytocin. Richter D. **Prog Nucleic Acid Res Mol Biol** 1983; 30:245–66 (41 ref.)

METABOLISM

Proteolytic conversion of arginine–vasotocin by synaptic membranes from rat and chicken brain. Wang XC, et al. **Brain Res** 1983 Sep 19;275(1):83–90

Stimulatory and inhibitory effects of guanine nucleotides on arginine–vasotocin–sensitive adenylate cyclase in the epithelial cell membranes of the bullfrog bladder. Mishina T, et al. **J Endocrinol** 1983 Nov;99(2):269–79

PHARMACODYNAMICS

'Antigonadal' activity of the neurohypophysial hormones in cultured rat testicular cells: abolition by pertussis toxin. Adashi EY, et al. **Endocrinology** 1984 Aug;115(2):839–41

Correlation between cAMP in isolated frog skin epithelium and stimulation of sodium transport and osmotic water flow by antidiuretic hormone and phosphodiesterase inhibitors. Johnsen AH, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):144–53

Influence of estrogen and progesterone on the uterine sensitivity in vitro to neuropituitary hormones in the Brazilian marsupial Didelphis albiventris: comparison with lactating animals. Ladosky W, et al. **Gen Comp Endocrinol** 1984 Jan;53(1):69–77

The effect of arginine vasotocin on prostaglandin production of the hen uterus. Rzasa J. **Gen Comp Endocrinol** 1984 Feb; 53(2):260–3

Direct regulation of rat testicular steroidogenesis by neurohypophysial hormones. Divergent effects on androgen and progestin biosynthesis. Adashi EY, et al. **J Biol Chem** 1984 May 10;259(9):5440–6

Central cardiovascular effects of vasotocin, oxytocin and vasopressin in conscious rats. Feuerstein G, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):348–53

Neurohypophysial peptides and the hippocampus. II. Excitation of rat hippocampal neurones by oxytocin and vasopressin applied in vitro. Tiberiis BE, et al. **Neuropeptides** 1983 Dec;4(1):73–86

A GABAergic habenulo–raphe pathway mediation of the hypnogenic effects of vasotocin in cat. Goldstein R. **Neuroscience** 1983 Nov;10(3):941–5

Arginine vasopressin and arginine vasotocin inhibit ovine fetal/maternal water transfer. Leake RD, et al. **Pediatr Res** 1983 Jul;17(7):583–6

The involvement of arginine vasotocin in the maturation of the kitten brain. Goldstein R. **Peptides (Fayetteville)** 1984 Jan–Feb;5(1):25–8

Central cardiovascular effects of mammalian neurohypophyseal peptides in conscious rats. Zerbe RL, et al. **Peptides (Fayetteville)** 1983 Sep–Oct;4(5):627–30

Arginine vasotocin stimulates glucocorticoid secretion in male rats. Niles LP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1983; 7(4–6):841–4

Evidence for prolactin–releasing and release–inhibiting effects of melatonin, serotonin and arginine vasotocin. Minato K, et al. **Tohoku J Exp Med** 1983 Sep;141(1):107–16

PHYSIOLOGY

Immunocytochemical identification of the mesotocin– and vasotocin–producing systems in the brain of temperate and desert lizard species and their modifications by cold exposure. Bons N. **Gen Comp Endocrinol** 1983 Oct; 52(1):56–66

VASOTOCIN, LEUCYL see **OXYTOCIN**

VATER'S AMPULLA

The diagnosis of hypertonic Oddi's sphincter dyskinesia. Varró V, et al. **Am J Gastroenterol** 1983 Nov;78(11):736–9

Unusual causes for abnormal hepatobiliary scans. Gordon L, et al. **Clin Nucl Med** 1983 Aug;8(8):337–9

Surgical treatment for carcinoma of the ampulla of Vater and residual pancreatic function before and after pancreaticoduodenectomy. Kodama M, et al. **Hiroshima J Med Sci** 1983 Dec;32(4):455–60

Combination chemotherapy for metastatic carcinoma of the ampulla of Vater—report of three cases. Bukowski RM, et al. **J Surg Oncol** 1984 Apr;25(4):284–6

Clinical and laboratory findings of carcinoma of the pancreas and periampullary structures. Lee YT, et al. **J Surg Oncol** 1984 Jan;25(1):1–7

Carcinoid tumour of ampulla of Vater associated with viscero–cutaneous neurofibromatosis. Kapur BM, et al. **Postgrad Med J** 1983 Nov;59(697):734–5

Periampullary cancer, 1983. Cooperman A. **Semin Liver Dis** 1983 Aug;3(3):181–92 (53 ref.)

Association of carcinoid with neurofibromatosis. Dawson BV, et al. **South Med J** 1984 Apr;77(4):511–3

Chronic calcific pancreatitis with pancreatic duct lithiasis due to stenosing papillitis. Sutherland CM, et al. **South Med J** 1983 Oct;76(10):1318–9

Pancreatoduodenectomy for resectable malignant periampullary tumors. Kellum JM, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):362–6

[Exclusion of the exocrine pancreas during pancreaticoduodenal resection for cancer of the pancreas] Chervenkov P. **Khirurgiia (Sofiia)** 1984;37(2):107–12 (Eng. Abstr.) **(Bul)**

[Surgical technic decisions in duodenal ulcer situated in the vicinity of the papilla of Vater and on the papilla itself] Milkov G. **Khirurgiia (Sofiia)** 1983;36(5):453–9 (Eng. Abstr.) **(Bul)**

[Pancreatoduodenectomy for periampullary cancer—a report of 58 cases] Liu SG. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):210–2 (Eng. Abstr.) **(Chi)**

[Whipple's operation and tumors of Oddi's sphincter. A series of 17 cases] Louagie Y, et al. **Acta Chir Belg** 1983 Nov–Dec;83(6):391–7 (Eng. Abstr.) **(Fre)**

[Vater's ampulla neoplasms. Diagnostic and therapeutic approach. Apropos of 18 cases] Clot JP, et al. **J Chir (Paris)** 1984 Feb;121(2):73–6 (Eng. Abstr.) **(Fre)**

[Postoperative cholangiography using the T–drain canal] Zillessen E, et al. **Dtsch Med Wochenschr** 1984 Mar 23; 109(12):446–50 (Eng. Abstr.) **(Ger)**

[Endoscopic diagnosis and therapy of papillary tumors] Neuhaus B, et al. **Leber Magen Darm** 1983 May; 13(3):108–12 (Eng. Abstr.) **(Ger)**

[Therapy of dyskinesia of Oddiś sphincter with calcium antagonists] Simon L, et al. **Orv Hetil** 1983 Nov 13; 124(46):2805–9 (Eng. Abstr.) **(Hun)**

[Dilatation of Oddi's sphincter by transhepatic percutaneous approach. Preliminary considerations] Ferulano GP, et al. **Minerva Chir** 1983 Nov 15;38(21):1759–62 **(Ita)**

[Case of simultaneous triple cancers of the duodenal papilla, gallbladder and stomach] Nakagoe T, et al. **Gan No Rinsho** 1983 Aug;29(9):1021–4 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of hemobilia] Shalimov SA, et al. **Khirurgiia (Mosk)** 1984 Feb;(2):27–9 **(Rus)**

[Our experience with the surgical treatment of tumors of the pancreas and periampullary region] Baev S. **Khirurgiia (Sofiia)** 1983;36(2):203–5 **(Rus)**

[Diagnostic and surgical aspects of malignant tumors of the pancreas] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1983; 36(2):199–203 **(Rus)**

[Surgical procedures in carcinoma of the pancreas and of the duodenal papilla in our clinical material] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 1983;36(2):190–4 **(Rus)**

[Surgical tactics in carcinoma of the pancreas] Stamenov S, et al. **Khirurgiia (Sofiia)** 1983;36(2):208–10 **(Rus)**

[Clinical characteristics of non–ulcerative diseases of the postbulbar segment of the duodenum] Ivlev AS, et al. **Klin Med (Mosk)** 1983 Aug;61(8):58–61 **(Rus)**

[Surgical and endoscopic methods of treating the postcholecystectomy syndrome] Pantsyrev IuM, et al. **Sov Med** 1983;(10):90–2 **(Rus)**

[Cancer of the major duodenal papilla] Pomelov VS, et al. **Sov Med** 1984;(5):57–61 **(Rus)**

[Modern principles of surgical treatment of benign diseases of Vater's papilla] Kotorac V, et al. **Acta Chir Iugosl** 1983; 30(2):197–210 (Eng. Abstr.) **(Scr)**

[Neoplasms of the pancreas and the periampullar region: personal experience] Verge Schulte–Eversum J, et al. **Rev Esp Enferm Apar Dig** 1982 Dec;62(6):460–5 (Eng. Abstr.) **(Spa)**

[Tumors of the duodenum] Ramírez Degollado J, et al. **Rev Gastroenterol Mex** 1983 Apr–Jun;48(2):87–90 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Anomalies of the bile ducts: a case report of direct drain of the cystic duct into the papilla of Vater. Watanabe A, et al. **Acta Med Okayama** 1983 Oct;37(5):409–15

ANATOMY & HISTOLOGY

An anatomosurgical point for finding the papilla duodeni major. Cortese M, et al. **Panminerva Med** 1984 Jan–Mar; 26(1):1–2

DRUG EFFECTS

The relaxant action of hymecromone and lignocaine on induced spasm of the bile duct sphincter. McFarland RJ, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):766–8

Effect of prostaglandins E1, E2, and F2 alpha on the electric activity of the sphincter of Oddi in living rabbit. Martínez E, et al. **Eur Surg Res** 1983;15(6):322–7

Hormone effects on the sphincter of Oddi [letter] Sarles JC. **Gastroenterology** 1983 Nov;85(5):1230

Nitroglycerine dilatation of sphincter of Oddi for endoscopic removal of bileduct stones [letter] Staritz M, et al. **Lancet** 1984 Apr 28;1(8383):956

Meltzer–Lyon test simultaneous with fiberoptic gastroduodenoscopy. Rossi AN, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):378–9

[Effect of exogenous glucagon on sphincter of Oddi and pancreatic ductal pressure in patients with chronic pancreatitis] Okazaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jun;81(6):1494 **(Jpn)**

PATHOLOGY

Ampullary somatostatinoma: psammomatous variant of gastrointestinal carcinoid tumor—an immunohistochemical and ultrastructural study. Report of a case and review of the literature. Marcial MA, et al. **Am J Clin Pathol** 1983 Nov;80(5):755–61

Endoscopic biopsies of the papilla of Vater at the time of

endoscopic sphincterotomy: difficulties in interpretation. Bourgeois N, et al. **Gastrointest Endosc** 1984 Jun; 30(3):163–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 30–1984. A 79–year–old woman with gallstones and dilated biliary and pancreatic ducts. **N Engl J Med** 1984 Jul 26;311(4):244–51

Ganglioneuroma of Vater's papilla and extrahepatic cholestasis in a dog. van den Ingh TS, et al. **Vet Pathol** 1984 Mar;21(2):254–6

[Adenomatous lesions of the papilla in familial adenomatous rectocolic polyposis. Value of duodenoscopy] Théodore C, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):864–7 (Eng. Abstr.) **(Fre)**

[Juxtapapillary leiomyoma—a rare papillary tumor. Presentation of an unusual disease picture] Nemsmann B, et al. **Fortschr Med** 1984 May 24;102(20):565–6 (Eng. Abstr.) **(Ger)**

[Clinicopathological studies on carcinoma of Vater's ampulla] Sada M. **Nippon Geka Gakkai Zasshi** 1983 Nov; 84(11):1186–97 (Eng. Abstr.) **(Jpn)**

[Internal topography of the greater duodenal papilla in cholecystitis and pancreatitis] Berezov VD, et al. **Arkh Patol** 1983;45(10):52–5 (Eng. Abstr.) **(Rus)**

[Morphologic features of the structure of the major duodenal papilla in healthy subjects and pathology of the biliopancreatic region] Edemskiĭ AI. **Arkh Patol** 1983; 45(9):42–8 (Eng. Abstr.) **(Rus)**

[Endoscopy and biopsy of Vater's ampulla] Matos Villalobos M. **GEN** 1982 Oct–Dec;36(4):336–43 **(Spa)**

PHYSIOLOGY

Effect of motilin on the opossum upper gastrointestinal tract and sphincter of Oddi. Takahashi I, et al. **Am J Physiol** 1983 Oct;245(4):G476–81

Sphincter of Oddi motility. Toouli J. **Br J Surg** 1984 Apr; 71(4):251–6 (39 ref.)

Multimodal contractile activity of the canine sphincter of Oddi. Funch–Jensen P, et al. **Eur Surg Res** 1984;16(5):312–6

Neural control of the sphincter of Oddi. Physiologic role of enkephalins on the regulation of basal sphincter of Oddi motor activity in the cat. Behar J, et al. **Gastroenterology** 1984 Jan;86(1):134–41

Taking the pressure off the sphincter of Oddi. Burnett DA. **Gastroenterology** 1984 Oct;87(4):971–4

Fasting canine biliary secretion and the sphincter of Oddi. Scott RB, et al. **Gastroenterology** 1984 Oct;87(4):793–804

The cholecysto–sphincter of Oddi reflex. Muller EL, et al. **J Surg Res** 1984 Apr;36(4):377–83

By–passing the sphincter of Oddi does not affect gallbladder emptying in the pig. Jimenez R, et al. **Reprod Nutr Dev** 1983;23(5):847–55

Morphology of the pancreatic ductal epithelium after traumatization of the papilla of Vater or endoscopic retrograde pancreatography with various contrast media in cats. Bub H, et al. **Scand J Gastroenterol** 1983 Jul; 18(5):581–92

[Mechanism of bile outflow in cholecystectomized patients] Suzuki E, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Feb;19(1):37–45 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

A peroperative test of the function of the sphincter of Oddi. Setakis N, et al. **Ann R Coll Surg Engl** 1984 May;66(3):175–8

The frequency response of the canine choledochoduodenal junction. Deziel DJ, et al. **Curr Surg** 1984 Mar–Apr; 41(2):94–7

Hypertensive pancreatic duct sphincter as a cause of pancreatitis. Successful treatment with hydrostatic balloon dilatation. Guelrud M, et al. **Dig Dis Sci** 1984 Mar; 29(3):225–31

Manometric study of the sphincter of Oddi in patients with and without common bile duct stones. De Masi E, et al. **Gut** 1984 Mar;25(3):275–8

Frequency of papillary dysfunction among cholecystectomized patients. Bar–Meir S, et al. **Hepatology** 1984 Mar–Apr;4(2):328–30

Cine–cholangiographic studies of Artemisia decoction on the dynamics of Oddi's sphincter of common bile duct. Yu ZF, et al. **J Tradit Chin Med** 1981 Sep;1(1):25–6

Endoscopic manometry of the sphincter of Oddi in patients with and without juxtapapillary duodenal diverticula. Viceconte G, et al. **Scand J Gastroenterol** 1984 May; 19(3):329–33

Perfusion cholangiomanometry with papillary stimulation by dilute hydrochloric acid. Matsushiro T, et al. **Surgery** 1984 Jan;95(1):96–101

[Vesicosphincter dysfunction in chronic liver diseases] Muraki T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul;80(7):1502 **(Jpn)**

RADIOGRAPHY

Carcinoma of the ampulla of Vater presenting as acute pancreatitis. Wise RH Jr, et al. **J Comput Assist Tomogr** 1984 Feb;8(1):158–61

[Ceruletide versus aminophylline in the radiologic diagnosis of Oddi's sphincter pathology] Vincenzi M, et al. **G Clin Med** 1983 Jul–Aug;64(7–8):269–77 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

The dilated common duct sign. A potential indicator of a sphincter of Oddi dyskinesia. DeRidder P, et al. **Clin Nucl Med** 1984 May;9(5):262–3

SURGERY

Stone in the ampulla vateri in a child. A case report. Raahave D, et al. **Acta Chir Scand** 1983;149(7):711–2

Current status of endoscopic sphincterotomy. Silvis SE. **Am J Gastroenterol** 1984 Sep;79(9):731–3

Endoscopic retrograde cholangiopancreatography and sphincterotomy. Ghazi A, et al. **Ann Surg** 1984 Jan; 199(1):21–7

Transduodenal sphincteroplasty. 5–25 year follow–up of 89 patients. Nardi GL, et al. **Ann Surg** 1983 Oct;198(4):453–61

Early or delayed endoscopic papillotomy (EPT) in gallstone pancreatitis. Rosseland AR, et al. **Ann Surg** 1984 Feb; 199(2):165–7

Transduodenal sphincteroplasty: an analysis of 118 consecutive cases. Antrum RM, et al. **Br J Surg** 1984 Jun; 71(6):446–8

A study of endoscopic sphincterotomy in recurrent pyogenic cholangitis. Lam SK. **Br J Surg** 1984 Apr;71(4):262–6

The management of common bile duct calculi by endoscopic sphincterotomy in patients with gallbladders in situ. Neoptolemos JP, et al. **Br J Surg** 1984 Jan;71(1):69–71

Long–term survival following local resection of carcinoma of ampulla of Vater. Tudor RG. **Br J Surg** 1984 Apr; 71(4):271

Endoscopic sphincterotomy. Himal HS. **Can J Surg** 1984 Jan; 27(1):6

Surgical complications of endoscopic sphincterotomy. Mustard R Jr, et al. **Can J Surg** 1984 May;27(3):215–7

Histologic sequelae of endoscopic sphincterotomy: a canine experiment. Pace RF, et al. **Can J Surg** 1984 Jul;27(4):327–9

Effect of endoscopic sphincterotomy on bile acid pool size and bile lipid composition in man. Sauerbruch T, et al. **Digestion** 1983;27(2):87–92

Long–term effects of papillotomy. Ihre T, et al. **Endoscopy** 1984 May;16(3):109–11

Early papillary stenosis following successful endoscopic sphincterotomy for residual common bile duct stone. Richieri JP, et al. **Endoscopy** 1984 Mar;16(2):77–8

Endoscopic sphincterotomy: follow–up evaluation of effects on the sphincter of Oddi. Geenen JE, et al. **Gastroenterology** 1984 Oct;87(4):754–8

Endoscopic sphincterotomy of the papilla of Vater. Belsito AA. **Gastrointest Endosc** 1983 Nov;29(4):318–9

Endoscopic sphincterotomy assisted by catheterization antegrade. Long WB, et al. **Gastrointest Endosc** 1984 Feb; 30(1):36–9

The shark's fin papillotome. Ono M, et al. **Gastrointest Endosc** 1984 Jun;30(3):196–9

Devices and techniques for endoscopic sphincterotomy [editorial] Zimmon DS. **Gastrointest Endosc** 1984 Jun; 30(3):214–5

Early and late complications after endoscopic sphincterotomy for biliary lithiasis with and without the gall bladder 'in situ'. Escourrou J, et al. **Gut** 1984 Jun; 25(6):598–602

Surgical sphincterotomy in the early management of non–malignant obstructive jaundice. Indications and results. Micali B, et al. **Ital J Surg Sci** 1983;13(4):281–7

Sphincteroplasty in the treatment of biliary tract disease. A prospective study of 46 cases. Duca S. **Langenbecks Arch Chir** 1984;362(1):25–31

Sphincteroplasty. Choi TK. **Prog Clin Biol Res** 1984; 152:269–82

Endoscopic treatment of common bile duct stones. Phillip J, et al. **Prog Clin Biol Res** 1984;152:227–52 (80 ref.)

Retroperitoneal perforation during duodenoscopic sphincterotomy. Byrne P, et al. **Radiology** 1984 Feb; 150(2):383–4

Cholangiography in rabbits before and after papillotomy. Rosseland AR, et al. **Scand J Gastroenterol** 1983 Nov; 18(8):1077–82

Changes in duodenal bacterial flora after cholecystectomy with or without papillotomy in rabbits. Rosseland AR, et al. **Scand J Gastroenterol** 1984 May;19(3):304–6

Early endoscopic sphincterotomy for extraction of residual stones of the common bile duct. Ghazi A, et al. **Surg Gynecol Obstet** 1984 Jul;159(1):44–6

Endoscopic management of biliary tract disease. Douglas BC. **Tex Med** 1984 Mar;80(3):37–42

[Our experience with papillectomy] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 1984;37(3):186–90 (Eng. Abstr.) **(Bul)**

[Indications for divulsion of the papilla, papillosphincterotomy and choledochoduodenastomosis in benign diseases of Vater's papilla] Sváb J, et al. **Rozhl Chir** 1984 Feb;63(2):131–4 (Eng. Abstr.) **(Cze)**

[Emergency surgical sphincterotomy (letter)] Benichou J, et al. **Chirurgie** 1983;109(5):469–70 **(Fre)**

[Role of presurgical endoscopic sphincterotomy in common bile duct lithiasis, after analysis of a series of 280 cases of extrahepatic biliary lithiasis] Spray G, et al. **Chirurgie** 1983;109(5):464–8 **(Fre)**

[Oddi sphincterotomy by surgical retroperitoneal approach to the 2d part of the duodenum] Desfemmes FN, et al. **J Chir (Paris)** 1983 Jun–Jul;120(6–7):407–9 (Eng. Abstr.) **(Fre)**

[Surgical risk of the Oddi sphincterotomy. Results of an international survey (25541 cases)] Negro P, et al. **J Chir (Paris)** 1984 Feb;121(2):133–9 (Eng. Abstr.) **(Fre)**

[Acute angiocholitis with Pseudomonas septicemia, a complication of endoscopic sphincterotomy (letter)] Ronchi L, et al. **Presse Med** 1983 Sep 10;12(31):1937–8 **(Fre)**

[Therapeutic strategy in acute pancreatitis (I). Endoscopic possibilities] Riemann JF, et al. **Fortschr Med** 1984 Feb 23;102(8):179–82 (Eng. Abstr.) **(Ger)**

[Success and failure of surgical, transduodenal papillotomy 1972–1981] Hoffmann R, et al. **Helv Chir Acta** 1984 Jun; 51(2):269–74 (Eng. Abstr.) **(Ger)**

[Microbiological studies before and after endoscopic papillotomy (EPT)] Ansorg R, et al. **Infection** 1983 Sep–Oct;11(5):260–3 (Eng. Abstr.) **(Ger)**

[Benign papillary stenosis] **Langenbecks Arch Chir** 1983; 361:119–62 **(Ger)**

[Sonographic follow–up of endoscopic papillotomy, percutaneous transhepatic drainage and endoscopically implanted bile duct prosthesis] Greiner L, et al. **Leber Magen Darm** 1983 May;13(3):113–6 (Eng. Abstr.) **(Ger)**

[Removal of calculi following endoscopic papillotomy] Friedrichs O. **Med Welt** 1984 Feb 3;35(5):133–6 **(Ger)**

[Mechanical lithoclasia in the common bile duct following endoscopic papillotomy] Trux F, et al. **Med Welt** 1984 Feb 10;35(6):163–6 **(Ger)**

[Endoscopic papillotomy in preserved gallbladder] Bühler H, et al. **Schweiz Med Wochenschr** 1983 Sep 3; 113(35):1228–31 (Eng. Abstr.) **(Ger)**

[Retained cholelithiasis—a risk factor after endoscopic papillotomy?] Riemann JF, et al. **Z Gastroenterol** 1984 Apr; 22(4):188–93 (Eng. Abstr.) **(Ger)**

[Results of 108 endoscopic papillotomies] Schoenemann J, et al. **Z Gastroenterol** 1983 Nov;21(11):660–5 (Eng. Abstr.) **(Ger)**

[Extrahepatic cholestasis: endoscopic papillotomy—indications] Safrany L, et al. **Z Gastroenterol [Verh]** 1984 Apr;19:41–5 **(Ger)**

[Operations in acute blockade of the common bile duct and the papilla] Michek J, et al. **Zentralbl Chir** 1983; 108(16):1023–5 (Eng. Abstr.) **(Ger)**

[Intervention radiologic treatments of the bile ducts as an alternative to reoperation] Reichenbach F. **Zentralbl Chir** 1983;108(16):1007–16 (Eng. Abstr.) **(Ger)**

[Cholecystography in the determination of the success of endoscopic papillo–sphincterotomy] Szilvási I, et al. **Orv Hetil** 1984 Jun 17;125(25):1493–5 (Eng. Abstr.) **(Hun)**

[Reflux cholangitis: long–term results after surgical intervention on the common bile duct] Gaspari A, et al. **Ann Ital Chir** 1983;55(4):395–402 **(Ita)**

[Papillosphincterostomy in non–neoplastic pathology of the biliary tract. Evaluation of 112 operations] Azzena GF, et al. **Minerva Chir** 1984 Feb 28;39(4):231–8 (Eng. Abstr.) **(Ita)**

[Current state of surgical and endoscopic sphincterectomy] Carboni M, et al. **Minerva Chir** 1983 Nov 15;38(21):1771–4 **(Ita)**

[Trans–duodenal papillosphincterostomy] Quagliarini P, et al. **Minerva Dietol Gastroenterol** 1983 Jul–Sep;29(3):233–8 (Eng. Abstr.) **(Ita)**

[Case of implantation of Vater's ampulla into the duodenal stump] Badowski A, et al. **Wiad Lek** 1983 Aug 1; 36(15):1297–9 (Eng. Abstr.) **(Pol)**

[Surgical treatment of incarcerated stones in the major duodenal papilla] Bondarenko VA, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

[Results of endoscopic papillosphincterotomy performed as a 2d operation on the biliary tract] Gallinger IuI, et al. **Khirurgiia (Mosk)** 1983 Oct;(10):426 (Eng. Abstr.) **(Rus)**

[Endoscopic papillosphincterotomy in patients after Billroth II gastric resection] Kotovskiĭ AE, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):56–7 (Eng. Abstr.) **(Rus)**

[Changes in the instrument for transduodenal choledochoduodenostomy and papillosphincterotomy] Shor LM, et al. **Khirurgiia (Mosk)** 1983 Aug;(8):130–1 **(Rus)**

[Surgical retractor facilitating the approach to the major duodenal papilla] Iangibaev Z, et al. **Klin Khir** 1983 Sep; (9):71–2 **(Rus)**

[Long–term survival of a patient with a tumor of the major duodenal papilla after conditionally radical surgery] Poliakov NG, et al. **Klin Khir** 1983 Sep;(9):59–60 **(Rus)**

[Surgical treatment of fixed calculi of the distal region of the common bile duct and of the major duodenal papilla] Shalimov AA, et al. **Klin Khir** 1983 Sep;(9):11–3 (Eng. Abstr.) **(Rus)**

[Endoscopic papillosphincterotomy in the treatment of choledocholithiasis] Kotovskiĭ AE, et al. **Vestn Khir** 1984 Jun;132(6):25–8 (Eng. Abstr.) **(Rus)**

[Endoscopic sphincterectomy and removal of biliary tract concrement] von Numers H. **Nord Med** 1984;99(6–7):165–7 (Eng. Abstr.) **(Swe)**

VECTORCARDIOGRAPHY

Discrete membranous subaortic stenosis: ECG and vectorcardiographic findings. Blieden LC, et al. **Am Heart J** 1984 Jun;107(6):1293–6

Comparison of optimal scalar electrocardiographic,

orthogonal electrocardiographic and vectorcardiographic criteria for diagnosing inferior and anterior myocardial infarction. Hill NE, et al. **Am J Cardiol** 1984 Aug 1; 54(3):274–6

Quantitative assessment of myocardial ischemia and necrosis by continuous vectorcardiography and measurement of creatine kinase release in patients. Sederholm M, et al. **Circulation** 1983 Nov;68(5):1006–12

Estimation of frontal-plane cardiac vectors in heart disease. Webber CL Jr, et al. **Crit Care Med** 1984 Aug;12(8):645–8

Continuous vectorcardiography in acute myocardial infarction. Natural course of ST and QRS vectors. Sederholm M, et al. **Int J Cardiol** 1983 Aug;4(1):53–63

Is anterior ST depression with acute transmural inferior infarction due to posterior infarction? A vectorcardiographic and scintigraphic study. Mukharji J, et al. **J Am Coll Cardiol** 1984 Jul;4(1):28–34

Identification of myocardial infarction in the presence of left bundle-branch block: correlation of electrocardiography, vectorcardiography, and angiography. Weiner R, et al. **J Am Osteopath Assoc** 1983 Oct;83(2):119–24

Prevalence of left ventricular hypertrophy in middle-aged men according to various ECG–VCG techniques. De Backer GG, et al. **J Electrocardiol** 1983 Jul;16(3):307–11

Real-time measurement of the spatial magnitude of the ST segment with the automated vectorcardiographic ST segment analyzer. Kuroiwa A, et al. **J Electrocardiol** 1983 Oct;16(4):339–44

Year-to-year variation of the orthogonal electrocardiogram and vectorcardiogram among 243 normal white males. McManus CD, et al. **J Electrocardiol** 1984 Apr;17(2):107–14

Computer analysis of the spatial angular parameters of the canine QRSsE loop from necropsy-verified normal dogs. Musselman EE. **J Electrocardiol** 1983 Jul;16(3):253–61

Computer analysis of the non-angular parameters of the QRSsE loop and orthogonal lead QRS characteristics in necropsy-verified normal dogs. Musselman EE, et al. **J Electrocardiol** 1983 Jul;16(3):263–8

Vector U loop in normal and hypertensive subjects. Nakaya Y, et al. **J Electrocardiol** 1984 Apr;17(2):161–8

Diagnostic value of electrocardiogram and vectorcardiogram in postinfarction ventricular asynergy. Piccolo E, et al. **J Electrocardiol** 1984 Apr;17(2):169–78

Relation between the location of the infarcted area in body surface isopotential mapping and the location of myocardial infarction in vectorcardiography. Suzuki K, et al. **J Electrocardiol** 1984 Jan;17(1):47–54

Electrocardiographic tall R waves in the right precordial leads: vectorcardiographic and electrocardiographic distinction of posterior myocardial infarction from prominent anterior forces in normal subjects. Zema MJ, et al. **J Electrocardiol** 1984 Apr;17(2):129–37

Hemodynamic correlates of vectorcardiographic QRS loops in pure mitral stenosis. Calleja HB, et al. **Jpn Circ J** 1983 Oct;47(10):1161–6

Vectorcardiographic and epicardial activation studies on experimentally-induced subdivision block of the left bundle branch. Inoue H, et al. **Jpn Circ J** 1983 Oct;47(10):1179–89

Vectorcardiogram in multiple myocardial infarctions—Correlations between vectorcardiographic and angiographic findings. Takatsu F, et al. **Jpn Circ J** 1983 Nov;47(11):1255–61

A computer-based system for the study of ECG/VCG variability. Oldano G, et al. **Med Prog Technol** 1983; 10(1):19–30

Absence of increased cardiac voltage and the importance of Q vectors for the diagnosis of left ventricular hypertrophy in early stages of hypertension in patients over 40 years of age. Arsenescu G, et al. **Physiologie** 1984 Jan–Mar;21(1):13–9

New mathematical statistical methods for detecting correct echocardiographic (ECG) and vectorcardiographic (VCG) diagnosis criteria by computerization. I. The determination of the upper (Lu) and low (Ll) limits for VCG amplitudes. The multivariate analysis. Arsenescu G, et al. **Physiologie** 1983 Jul–Sep;20(3):205–11

The response of the maximal QRS vector to exercise in patients with coronary artery disease. Tseng YZ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):243–55

Vectorcardiographic findings in mitral valve prolapse. Tseng YZ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Aug; 82(8):886–97

Vectorcardiographic indicators of pulmonary hypertension in mitral regurgitation. Tseng YZ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Oct;82(10):1009–17

[Polarcardiographic diagnosis of an infarct of the anterior wall of the heart in its subacute and chronic stages] Dzhonov A. **Vutr Boles** 1983;22(1):38–46 (Eng. Abstr.) **(Bul)**

[Vectorcardiographic observation on the chronic pulmonary heart disease in the aged] Hua ZH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Feb;7(1):4–6 (Eng. Abstr.) **(Chi)**

[Vectorcardiography in the diagnosis of the association of inferior necrosis—left int.aventricular conduction disorders] Marion J, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):285–94 (Eng. Abstr.) **(Fre)**

[Vectorcardiography in infarction of the right ventricle] Perrot B, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep; 33(5):273–7 (Eng. Abstr.) **(Fre)**

[Relation between the vectorcardiogram and mean pulmonary arterial pressure in pulmonary pathology] Bury P, et al. **Arch Mal Coeur** 1983 Nov;76(11):1306–15 (Eng. Abstr.) **(Fre)**

[Electrocardiographic and vectorcardiographic diagnostic criteria in posterior left fascicular block] Zamfirescu NR, et al. **Physiologie** 1984 Apr–Jun;21(2):77–87 (41 ref.) **(Fre)**

[Details of the electric activity of the heart evaluated from the aspect of the electrocardiogram, vectorcardiogram and surface isopotential chart in left anterior fascicular block and inferior myocardial infarct] Zamfirescu NR, et al. **Physiologie** 1983 Apr–Jun;20(2):103–12 **(Fre)**

[Value of the vectorcardiogram in the evaluation of right heart hypertrophy in chronic obstructive lung diseases] Kirsten D, et al. **Respiration** 1984;45(3):185–90 (Eng. Abstr.) **(Ger)**

[Vectorcardiographic changes during exercise in normal subjects] Massimino A, et al. **Boll Soc Ital Cardiol** 1982; 27(5):463–76 **(Ita)**

[Sensitivity of vectorcardiography in myocardial infarct] Mottironi P, et al. **Boll Soc Ital Cardiol** 1983 Apr; 28(4):281–8 (Eng. Abstr.) **(Ita)**

[Anterior fascicular block: ECG–VCG correlations] Sartorelli L, et al. **G Clin Med** 1983 Nov;64(11):428–36 (Eng. Abstr.) **(Ita)**

[A contribution to the electrogenetic interpretation of left ventricular hypertrophy caused by volume overload] Pitscheider W, et al. **G Ital Cardiol** 1984 Feb;14(2):108–12 (Eng. Abstr.) **(Ita)**

[Evaluation of left atrial overloading with vectorcardiography] Sato T, et al. **J Cardiogr** 1983 Mar; 13(1):205 **(Jpn)**

[Quantitative analysis of the QRS magnitude in patients with ischemic ST depression] Ohnishi S. **Kokyu To Junkan** 1983 Oct;31(10):1123–9 (Eng. Abstr.) **(Jpn)**

[Non-gated computed tomography of left ventricular hyperthrophy—comparison with vectocardiograms] Harada J. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Aug 25;43(8):1015–23 **(Jpn)**

[Analysis of the vectorcardiogram in myocardial infarction] Masumi S, et al. **Nippon Naika Gakkai Zasshi** 1983 Sep; 72(9):1150–8 **(Jpn)**

[A study of vectorcardiographic QRS loop in infants with ventricular septal defect] Takizawa Y, et al. **Rinsho Byori** 1984 Mar;32(3):329–33 **(Jpn)**

[Vectorcardiographic T loop in children with ventricular septal defects] Takizawa Y, et al. **Rinsho Byori** 1983 Jun; 31(6):656–60 **(Jpn)**

[Correlation between electro- and vectorcardiographic changes and left ventricular performance in chronic Chagas' cardiomyopathy] Arteaga-Fernández E, et al. **Arq Bras Cardiol** 1983 Sep;41(3):189–93 (Eng. Abstr.) **(Por)**

[Atrial conduction disorders] Boff BM, et al. **Arq Bras Cardiol** 1984 Jan;42(1):57–65 (Eng. Abstr.) **(Por)**

[Hypertrophic cardiomyopathy. Electrocardiographic analysis of ventricular depolarization] Mattos BP, et al. **Arq Bras Cardiol** 1984 Feb;42(2):95–102 (Eng. Abstr.) **(Por)**

[Fascicular blocks of the right branch. Standardization of vectorelectrocardiographic findings] Pastore CA, et al. **Arq Bras Cardiol** 1983 Sep;41(3):161–6 (Eng. Abstr.) **(Por)**

[Spatial parameters of the automatically reproduced QRS loop of the VCG in healthy subjects] Ignat'eva IF, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(1):73–9 (Eng. Abstr.) **(Rus)**

[Magnitude of initial spatial vectors of the QRS complex in patients with vectorcardiographic signs of left ventricular hypertrophy] Bachárová L, et al. **Bratisl Lek Listy** 1984 Feb;81(2):142–9 (Eng. Abstr.) **(Slo)**

[Electro-vectorcardiogram in myocardial infarct with involvement of the right ventricle in humans] Medrano GA, et al. **Arch Inst Cardiol Mex** 1983 Jul–Aug; 53(4):291–301 (Eng. Abstr.) **(Spa)**

[Electrovectorcardiographic observations in patent ductus arteriosus] de Micheli A, et al. **Rev Esp Cardiol** 1984 Jan–Feb;37(1):38–46 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Development of a real-time monitoring system of the spatial ST vector] Kuroiwa A, et al. **Iyodenshi To Seitai Kogaku** 1983 Apr;21(2):121–4 (Eng. Abstr.) **(Jpn)**

METHODS

Investigation of Frank's vectorcardiographic lead system on homogeneous rabbit torso model. Lolov VR, et al. **Basic Res Cardiol** 1983 Nov–Dec;78(6):617–22

The electrical activity of the heart and left ventricular wall-motion abnormalities. Bourdillon PJ. **Int J Cardiol** 1984 Jan;5(1):69–73

Contribution of Frank ECG measurements to the quantitative estimation of old anterior myocardial infarction. Recke SH. **Int J Cardiol** 1984 Jan;5(1):59–67

Contribution of Frank ECG measurements to the quantitative estimation of old posterodiaphragmatic myocardial infarction. Recke SH. **Int J Cardiol** 1984 Jan;5(1):49–58

The ECGD: a derivation of the ECG from VCG leads. Dower GE. **J Electrocardiol** 1984 Apr;17(2):189–91

Determination of cardiac frontal plane vector axes [letter] Webber CL Jr. **J Electrocardiol** 1983 Jul;16(3):323–4

On the absolute magnitude of the human lead vector. Mashima S, et al. **Jpn Heart J** 1983 Nov;24(6):843–51

Normal limits of pediatric Frank lead electrocardiograms. Differences in data obtained in 4th or 5th intercostal spaces. Robert A, et al. **Jpn Heart J** 1984 Jan;25(1):1–18

[Analysis of the changes of spatial ventricular gradient produced by exercise] Degawa T. **Kokyu To Junkan** 1984 Feb;32(2):179–84 (Eng. Abstr.) **(Jpn)**

STANDARDS

Delayed initial QRS forces of intraventricular pacing: unreliability of the scalar ECG in their diagnosis. Naschitz JE, et al. **Isr J Med Sci** 1984 Aug;20(8):690–4

VECTORS, GENETIC see **GENETIC VECTORS**

VEGETABLE PROTEINS

Shape, symmetry, hydration and secondary structure of the legumin from Vicia faba in solution. Plietz P, et al. **Biochim Biophys Acta** 1984 Jan 31;784(2–3):140–6

[Comparison of 4 methods of evaluating protein quality in vegetable sources] Muñoz de Maquiña A, et al. **Arch Latinoam Nutr** 1983 Dec;33(4):826–42 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Biliary steroid excretion in rats fed soybean protein and casein or their amino acid mixtures. Tanaka K, et al. **J Nutr** 1984 Jan;114(1):26–32

Vaccination with vicilin in systemic lupus erythematosus. Mitu S. **Med Interne** 1983 Oct–Dec;21(4):303–6

[Effect of different protein levels on the nutritive value of mixed diets with increased content of soy bean protein. I. Results of studies on the development of laboratory rats] Czarnowska-Misztal E, et al. **Rocz Panstw Zakl Hig** 1983; 34(2):127–34 (Eng. Abstr.) **(Pol)**

[Effect of different protein levels on the nutritive value of mixed diets with higher amount of soy bean protein. II. Results of the studies on protein utilization] Czarnowska-Misztal E, et al. **Rocz Panstw Zakl Hig** 1983; 34(3):239–44 (Eng. Abstr.) **(Pol)**

[Effect of different protein levels on the nutritive value of mixed diets with higher amount of soy bean protein. III. Free amino acid levels in the serum and muscles of experimental animals] Kunachowicz H, et al. **Rocz Panstw Zakl Hig** 1983;34(3):245–50 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Soy milk feeding and the immune system [letter] Zoppi G. **Lancet** 1983 Oct 8;2(8354):861

Effect of dietary animal and vegetable protein on gallstone formation and biliary constituents in the hamster. Mahfouz-Cercone S, et al. **Lipids** 1984 Jan;19(1):5–10

Soy formula [letter] Mofenson HC. **Pediatrics** 1984 May; 73(5):741

ANALYSIS

Characteristics of the proteins of the tubers of winged bean (Psophocarpus tetragonolobus (L.) DC). Kortt AA, et al. **J Sci Food Agric** 1984 Mar;35(3):304–13

Major albumins of Pisum cotyledons. Schroeder HE. **J Sci Food Agric** 1984 Feb;35(2):191–8

[Whole soy bean flour: use of a methodology of response surface for the study of nutritional aspects] Buassi N, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):557–72 (Eng. Abstr.) **(Por)**

[Phenotypic and technological influences of the Lupinus mutabilis (Tarwi) seed on its methionine availability and sulfur content] Oliveros M, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):573–87 (Eng. Abstr.) **(Spa)**

GENETICS

Storage protein precursor polypeptides in cotyledons of Pisum sativum L. Identification of, and isolation of a cDNA clone for, an 80000-Mr legumin-related polypeptide. Domoney C, et al. **Eur J Biochem** 1984 Mar 1;139(2):321–7

Studies on subunit assembly of broad bean legumin in a reconstitution system. Utsumi S, et al. **J Biochem (Tokyo)** 1983 Dec;94(6):2001–8

The complete nuclectide sequence of a legumin gene from pea (Pisum sativum L.). Lycett GW, et al. **Nucleic Acids Res** 1984 Jun 11;12(11):4493–506

ISOLATION & PURIFICATION

[Effect of various solvents on the extraction of protein fractions of beans (Phaseolus vulgaris)] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):503–18 (Eng. Abstr.) **(Spa)**

METABOLISM

Digestibility and dietary quality of nonacetylated and acetylated Vicia faba proteins in maintenance. Studies on 15N-labelled adult rats. Bergner H, et al. **Ann Nutr Metab** 1984;28(3):156–63

Availability of lysine in vegetable protein concentrates as determined by the slope-ratio assay with growing pigs and

rats and by chemical techniques. Batterham ES, et al. **Br J Nutr** 1984 Jan;51(1):85–99

Liver proteolytic activity in growing male chickens fed a raw field bean (Vicia faba L.) diet. Santidrian S, et al. **Enzyme** 1984;31(1):50–4

Bioavailability of copper in isolated soybean protein using the rat as an experimental model. Lo GS, et al. **J Nutr** 1984 Feb;114(2):332–40

[Absorption and use of differently structured protein isolates by rats] Köhler R, et al. **Arch Tierernahr** 1984 Feb; 34(2):111–21 (Eng. Abstr.) **(Ger)**

[Biological behavior of protein fractions isolated from the common bean (Phaseolus vulgaris)] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):519–38 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Influence of diets containing different levels of Vicia faba L. as source of protein on body protein composition and nitrogen balance of growing rats. Martínez JA, et al. **Ann Nutr Metab** 1984;28(3):174–80

Stability of blood pressure in vegetarians receiving dietary protein supplements. Sacks FM, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):199–201

High density lipoprotein composition in rats fed casein or soy protein isolate. Lefevre M, et al. **J Nutr** 1984 Apr; 114(4):768–77

The effect of soy protein isolate in the diet on retention by the rat of iron from radiolabeled test meals. Thompson DB, et al. **J Nutr** 1984 Feb;114(2):307–11

Effect of partial hydrolyzates of casein and soybean protein on serum lipoproteins and fecal neutral steroids. Tanaka C, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug; 29(4):439–46

Effect of soybean protein on coprostanol production and cholesterol metabolism in cholesterol-fed rats. Tanaka C, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):447–54

VEGETABLES

Magnesium absorption in human subjects from leafy vegetables, intrinsically labeled with stable 26Mg. Schwartz R, et al. **Am J Clin Nutr** 1984 Apr;39(4):571–6

Geomelophagia. An unusual pica in iron-deficiency anemia [letter] Libnoch JA. **Am J Med** 1984 Jan;76(1):A69

Lactic acid fermentation in the production of foods from vegetables, cereals and legumes. Steinkraus KH. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):337–48 (51 ref.)

Formation of trichothecenes by Fusarium solani var. coeruleum and Fusarium sambucinum in potatoes. el-Banna AA, et al. **Appl Environ Microbiol** 1984 May;47(5):1169–71

Methods for analysing the breakdown of food in human mastication. Lucas PW, et al. **Arch Oral Biol** 1983; 28(9):813–9

Computer simulation of the breakdown of carrot particles during human mastication. Lucas PW, et al. **Arch Oral Biol** 1983;28(9):821–6

Identification of the isoflavonic phytoestrogen daidzein in human urine. Bannwart C, et al. **Clin Chim Acta** 1984 Jan 31;136(2–3):165–72

Effect of brussels sprouts and cabbage on drug conjugation. Pantuck EJ, et al. **Clin Pharmacol Ther** 1984 Feb; 35(2):161–9

Phototoxic dermatitis from Sclerotinia sclerotiorum infected celery [letter] Borghijs A, et al. **Contact Dermatitis** 1984 Jul;11(1):59

Comparison of the effects of Brussels sprouts, glucosinolates, and glucosinolate metabolite consumption on rat hepatic polysubstrate monooxygenases. Miller KW, et al. **Dev Toxicol Environ Sci** 1983;11:341–4

The effect of cooking upon the blood glucose response to ingested carrots and potatoes. Vaaler S, et al. **Diabetes Care** 1984 May–Jun;7(3):221–3

Effects of dietary cabbage, Brussels sprouts, Illicium verum, Schizandra chinensis and alfalfa on the benzo[alpha]pyrene metabolic system in mouse liver. Hendrich S, et al. **Food Chem Toxicol** 1983 Aug;21(4):479–86

Ames mutagenicity tests of products from a heated potato-starch system. Shibamoto T. **Food Chem Toxicol** 1984 Feb;22(2):119–22

Studies on the efficacy of the antihelminthic antibiotic (KT-199) in the control of root-knot nematode Meloidogyne incognita (Kofoid and White) Chitwood on tomato. Nanje Gowda D, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):14–7

Isozyme monitoring of genetic variation in Lycopersicon. Rick CM, et al. **Isozymes Curr Top Biol Med Res** 1983; 11:269–84

Taste responses to saltiness of experimentally prepared tomato juice samples. Little AC, et al. **J Am Diet Assoc** 1984 Sep;84(9):1022–7

The microflora of stored coleslaw and factors affecting the growth of spoilage yeasts in coleslaw. Brocklehurst TF, et al. **J Appl Bacteriol** 1983 Aug;55(1):57–63

Survey of fresh vegetables for nematodes, amoebae, and Salmonella. Rude RA, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):613–5

The role of food additives in the control of some parasites contaminating vegetables. Hamdy EI, et al. **J Egypt Soc Parasitol** 1983 Dec;13(2):539–45

Vegetable consumption and blood lead concentrations. Gallacher JE, et al. **J Epidemiol Community Health** 1984 Jun;38(2):173–6

Residue of insecticides in Thai vegetable growers. Sivaborvorn K, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:54–7

Effect of dietary vegetable (water convolvulus) on cholesterol metabolism in rats. Chen ML, et al. **J Nutr** 1984 Mar;114(3):503–10

Relationship of components in wheat bran and spinach to iron bioavailability in the anemic rat. Gordon DT, et al. **J Nutr** 1984 Mar;114(3):526–35

Cholesterol binding capacity of fiber from tropical fruits and vegetables. Lund ED. **Lipids** 1984 Feb;19(2):85–90

The bacterial flora of fruits and vegetables in Lebanon and the effect of washing on the bacterial content. Abdelnoor AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):342–9

[Celery allergy (celery contact urticaria syndrome) and relation to allergies to other plant antigens] Kremser M, et al. **Wien Klin Wochenschr** 1983 Dec 9;95(23):838–43 (Eng. Abstr.) **(Ger)**

[Behavior of benzo(a)pyrene in the soil and passage from soil to crops] Fritz W. **Zentralbl Mikrobiol** 1983; 138(8):605–16 (Eng. Abstr.) **(Ger)**

[Yersinia enterocolitica: biotypes and serotypes isolated from horticultural products] Cavazzini G, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):317–22 (Eng. Abstr.) **(Ita)**

[Instructions on hygiene for girls learning fruit and vegetable growing trades] Buzunov VA, et al. **Gig Sanit** 1983 Jul; (7):14–7 (Eng. Abstr.) **(Rus)**

[Oil fillers in plastic surgery of the breast] Vishnevskiĭ AA, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):124–7 **(Rus)**

[Stability of the fat component of new type mayonnaises: mayonnaise pastes with vegetables and Crambe during preservation] L'vovich NA, et al. **Vopr Pitan** 1984 Mar–Apr;(2):66–7 **(Rus)**

[Sensory evaluation of bread with potato flour] Gattás V, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):56–66 (Eng. Abstr.) **(Spa)**

[Parasitological study in lettuce and beets in the city of Valdivia, Chile] Franjola R, et al. **Rev Med Chil** 1984 Jan; 112(1):57–60 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Tomato skins penetrating the small bowel. Lumsden AB, et al. **Br J Surg** 1984 Aug;71(8):648

Contact urticaria provoked by pickles. Edwards EK Jr, et al. **Cutis** 1984 Feb;33(2):230

Mutagenicity of extracts of some vegetables commonly consumed in the Netherlands. van der Hoeven JC, et al. **J Agric Food Chem** 1983 Sep–Oct;31(5):1020–6

Onion toxicity [letter] Fenwick GR. **Mod Vet Pract** 1984 Jan;65(1):4

[Spinach: A source of nitrite poisoning in young children] Hack WW, et al. **Ned Tijdschr Geneeskd** 1983 Aug 6; 127(32):1428–31 (Eng. Abstr.) **(Dut)**

[Anaphylactic shock to celery and sensitization to ragweed and mugwort. Crossed or concomitant allergy?] Déchamp C, et al. **Presse Med** 1984 Mar 31;13(14):871–4 (Eng. Abstr.) **(Fre)**

ANALYSIS

Organophosphorus sulphides, sulphoxides and sulphones. Part I. Determination of residues in fruit and vegetables by gas–liquid chromatography. Hill AR, et al. **Analyst** 1984 Apr;109(4):483–7

A novel copper-containing protein from spinach: a blue oxidase with unique properties. Sarkissian LK, et al. **Biosci Rep** 1983 Oct;3(10):915–20

Niacinamide in canned tomato sauce. Cairns T, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):195–9

Persistence and metabolism of aldicarb in fresh potatoes. Cairns T, et al. **Bull Environ Contam Toxicol** 1984 Mar; 32(3):274–81

Elemental composition of potted vegetables and millet grown on hard coal bottom ash-amended soil. Cary EE, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):418–23

Survey of potatoes grown in New York State for aldicarb residues. Laski RR, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):116–8

A partitioning cleanup technique using minimum quantity of hexane. Moorthy PN. **Bull Environ Contam Toxicol** 1984 Jan;32(1):59–64

Propachlor herbicide residue studies in cabbage using modified analytical procedure. Warholic DT, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):585–7

Mutagenicity screening of foods. II. Results with fruits and vegetables. Stoltz DR, et al. **Environ Mutagen** 1984; 6(3):343–54

Plutonium contents of broadleaf vegetable crops grown near a nuclear fuel chemical separations facility. McLeod KW, et al. **Health Phys** 1984 Feb;46(2):261–7

Lead uptake from vegetables grown along highways. Wijn M, et al. **Int Arch Occup Environ Health** 1983;52(3):263–70

Dietary fiber content of eleven tropical fruits and vegetables. Lund ED, et al. **J Agric Food Chem** 1983 Sep–Oct; 31(5):1013–6

Pectic substances in raw and cooked, fresh or processed spanish vegetables. Vidal-Valverde C, et al. **J Agric Food Chem** 1983 Sep–Oct;31(5):949–53

Protein nutritional value of sweet potato flour. Walter WM Jr, et al. **J Agric Food Chem** 1983 Sep–Oct;31(5):947–9

Chemical composition of seeds of two okra cultivars. Al-Wandawi H. **J Agric Food Chem** 1983 Nov–Dec; 31(6):1355–8

Elements in major raw agricultural crops in the United States. 1. Cadmium and lead in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat. Wolnik KA, et al. **J Agric Food Chem** 1983 Nov–Dec;31(6):1240–4

Elements in major raw agricultural crops in the United States. 2. Other elements in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat. Wolnik KA, et al. **J Agric Food Chem** 1983 Nov–Dec;31(6):1244–9

Percent retention of vitamin C in whipped potatoes after pre-service holding. Snyder PO, et al. **J Am Diet Assoc** 1983 Oct;83(4):454–8

Removal of electrolytes from institutionally packaged foods. Weaver CM, et al. **J Am Diet Assoc** 1984 Mar;84(3):319–22

Gas chromatographic determination of ametryn and its metabolites in tropical root crops. Bardalaye PC, et al. **J Assoc Off Anal Chem** 1984 Mar–Apr;67(2):280–4

Automated sample cleanup for pesticide multiresidue determination. I. Evaluation of solvent partitioning module. Gretch FM, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):108–11

Gas chromatographic determination of fenvalerate insecticide residues in processed tomato products and by-products. Spittler TD, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug; 67(4):824–6

Determination of pheophorbide a, pyropheophorbide a and phytol. Takeda Y, et al. **J Chromatogr** 1983 Dec 2; 280(1):188–93

Control of bacterial speck of tomato by copper and ethylenebisdithiocarbamate fungicides: their efficacy and residues on leaves. Bonn WG, et al. **J Environ Sci Health [B]** 1984 Feb;19(1):29–38

Residues of cycloate and influence of herbicides on some of nutritional factors in spinach. Czapski J, et al. **J Environ Sci Health [B]** 1983 Aug;18(4–5):497–503

The study of heptenophos and triazophos residues in vegetables treated with the organophosphorus insecticides Hostaquick and Hostathion. Horbowicz M, et al. **J Environ Sci Health [B]** 1983 Aug;18(4–5):465–72

Insecticide fingerprinting technique for detection and location of organochlorine insecticide residues in foods. Karanth NG, et al. **J Environ Sci Health [B]** 1983 Dec; 18(6):745–55

The effect of aldicarb on nematode population and its persistence in carrots, soil and hydroponic solution. Lue LP, et al. **J Environ Sci Health [B]** 1984 Apr;19(3):343–54

Disappearance of dimethoate, methamidophos and pirimicarb in lettuce. Szeto SY, et al. **J Environ Sci Health [B]** 1984 Mar;19(2):225–35

The loss of folic acid content in pickle processing. Suttapreyasri D, et al. **J Med Assoc Thai** 1983 Jun;66 Suppl 1:35–40

Antioxidative components of sweet potatoes. Hayase F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):37–46

Composition of fruit, vegetable and cereal dietary fibre. Holloway WD. **J Sci Food Agric** 1983 Nov;34(11):1236–40

The contribution of heavy metals in potato peel to dietary intake. Davies BE, et al. **Sci Total Environ** 1983 Sep; 30:261–4

Determination of salt in potato chips. Beernaert HA, et al. **Z Lebensm Unters Forsch** 1984;178(1):27–30

[A new method for monitoring air pollution: elaboration of a level of pollution as a function of foliar peroxydase activity in the radish (Raphanus sativus L. var. Sparkler)] Petit JL. **Arch Belg** 1983;41(11–12):515–27 (Eng. Abstr.) **(Fre)**

[Changes in vitamin C content of Bintje potatoes during storage and usual culinary preparations] Mareschi JP, et al. **Int J Vitam Nutr Res** 1983;53(4):402–11 (Eng. Abstr.) **(Fre)**

[Model tests on the passage of benzo(a)pyran from the soil into crops] Fritz W. **Z Gesamte Hyg** 1983 Jul;29(7):370–3 (Eng. Abstr.) **(Ger)**

[Occurrence of chlorogenic acids in potatoes] Brandl W, et al. **Z Lebensm Unters Forsch** 1984;178(3):192–4 (Eng. Abstr.) **(Ger)**

[Problems in the determination of small ethylenethiourea residue concentrations in plant crops] Pflugmacher J, et al. **Z Lebensm Unters Forsch** 1984;178(2):90–2 (Eng. Abstr.) **(Ger)**

[Dithiocarbate fungicides II. Levels of their residue on fruits and vegetables from the market] Di Muccio A, et al. **Nuovi Ann Ig Microbiol** 1982 Jan–Feb;33(1):67–71 (Eng. Abstr.) **(Ita)**

[Organophosphorus pesticide residues in food contamination monitoring—in vegetables and fruits] Kawamura Y, et al. **Eisei Shikenjo Hokoku** 1983;(101):138–41 (Eng. Abstr.) **(Jpn)**

[Effect of dust emission in the area of steel and electric power plants on various trace element contents of selected vegetables and fruit. I. Lead, cadmium, zinc, copper, nickel and iron contents of vegetables] Błoniarz J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):29–35 (Eng. Abstr.) **(Pol)**

[Analysis of the concentration of nitrates and nitrites in selected vegetables from the soil of Szczecin Province] Grobelna M, et al. **Rocz Panstw Zakl Hig** 1983; 34(5–6):481–6 (Eng. Abstr.) **(Pol)**

[Determination of organophosphate insecticide residues in

vegetables using an automatic analyzer] Ludwicki J. **Rocz Panstw Zakl Hig** 1983;34(3):289–93 (Eng. Abstr.) **(Pol)**

[Cadmium content of airborne dust, soil and vegetables grown in the upper Silesian Industrial Region] Marchwińska E, et al. **Rocz Panstw Zakl Hig** 1984; 35(1):23–8 (Eng. Abstr.) **(Pol)**

[Determination of the ekamet content of vegetables and apples by thin-layer chromatography] Shustrov VS, et al. **Vopr Pitan** 1984 May–Jun;(3):70–1 **(Rus)**

[Determination of the solanine content of potato tubers] Tukalo EA, et al. **Vopr Pitan** 1983 Sep–Oct;(5):69–70 **(Rus)**

POISONING

Foodborne botulism—Illinois. **MMWR** 1984 Jan 20; 33(2):22–3

RADIATION EFFECTS

Radiation preservation of foods of plant origin. Part 1. Potatoes and other tuber crops. Thomas P. **CRC Crit Rev Food Sci Nutr** 1984;19(4):327–79 (301 ref.)

VEGETARIANISM

A fasting and vegetarian diet treatment trial on chronic inflammatory disorders. Lithell H, et al. **Acta Derm Venereol (Stockh)** 1983;63(5):397–403

Nutrient intake and health status of lactovegetarians: chemical analyses of diets using the duplicate portion sampling technique. Abdulla M, et al. **Am J Clin Nutr** 1984 Aug;40(2):325–38

Diet and follicular development. Hill P, et al. **Am J Clin Nutr** 1984 May;39(5):771–7

Plasma lipids of vegetarian and nonvegetarian males: effects of egg consumption. Liebman M, et al. **Am J Clin Nutr** 1983 Oct;38(4):612–9

Effects of a lacto–ovo vegetarian diet on serum concentrations of cholesterol, triglyceride, HDL–C, HDL2–C, HDL3–C, apoprotein–B, and Lp(a). Masarei JR, et al. **Am J Clin Nutr** 1984 Sep;40(3):468–78

Getting enough to grow on. Johnston PK. **Am J Nurs** 1984 Mar;84(3):336–9

A proportionate study of cancer mortality among members of a vegetarian society. Kinlen LJ, et al. **Br J Cancer** 1983 Sep;48(3):355–61

A vegan regimen with reduced medication in the treatment of hypertension. Lindahl O, et al. **Br J Nutr** 1984 Jul; 52(1):11–20

Relationship between the fatty acid composition of the diet and that of the subcutaneous adipose tissue in individual human subjects. Piakké T, et al. **Hum Nutr Appl Nutr** 1983 Oct;37(5):365–72

Stability of blood pressure in vegetarians receiving dietary protein supplements. Sacks FM, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 1):199–201

Determination of protein requirements on vegetarian diet in healthy female volunteers. Agarwal DK, et al. **Indian J Med Res** 1984 Jan;79:60–7

Determination of protein requirements in healthy male volunteers on vegetarian diet. Bhatia BD, et al. **Indian J Med Res** 1983 May;77:658–67

Mineral and trace element content of vegetarian diets. Kramer LB, et al. **J Am Coll Nutr** 1984;3(1):3–11

Nutrients in vegetarian foods. Truesdell DD, et al. **J Am Diet Assoc** 1984 Jan;84(1):28–35 (58 ref.)

Macrobiotic diets for cancer treatment and prevention. Bowman BB, et al. **J Clin Oncol** 1984 Jun;2(6):702–11 (54 ref.)

Lack of an effect of dairy protein (casein) and soy protein on plasma cholesterol of strict vegetarians. An experiment and a critical review. Sacks FM, et al. **J Lipid Res** 1983 Aug;24(8):1012–20

ApoA–I/ApoA–II ratios in plasmas of vegetarians. Lock DR, et al. **Metabolism** 1983 Dec;32(12):1142–5

Estrogen excretion patterns and plasma levels in vegetarian and omnivorous women. **Nutr Rev** 1983 Jun;41(6):180–3 (12 ref.)

Changes in metabolism during a fasting period and a subsequent vegetarian diet with particular reference to glucose metabolism. Lithell H, et al. **Ups J Med Sci** 1983; 88(2):109–19

ADVERSE EFFECTS

Systemic carnitine deficiency exacerbated by a strict vegetarian diet. Etzioni A, et al. **Arch Dis Child** 1984 Feb; 59(2):177–9

Megaloblastic anaemia in vegetarian Asians. Matthews JH, et al. **Clin Lab Haematol** 1984;6(1):1–7

Environmental factors: Extensive use of copper utensils and vegetarian diet in the causation of Indian childhood cirrhosis [letter] Chaudhary SK. **Indian Pediatr** 1983 Jul; 20(7):529–31

Persistence of parathyroid hypersecretion after vitamin D treatment in Asian vegetarians. Dandona P, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):535–7

Iron deficiency anemia in a vegetarian runner [letter] Jacobs MB, et al. **JAMA** 1984 Jul 27;252(4):481–2

Amenorrhoea, vegetarianism, and/or low fat [letter] Frisch RE. **Lancet** 1984 May 5;1(8384):1024

Amenorrhoea in vegetarian athletes [letter] Slavin J, et al. **Lancet** 1984 Jun 30;1(8392):1474–5

[Strict vegetarian diet, malnutrition, immunodeficiency and infection] Labay y Matías MV, et al. **An Esp Pediatr** 1984 Jan;20(1):69–71 (Eng. Abstr.) **(Spa)**

VEGETATIVE STATE see COMA

VEHICLES

Choosing and using a vehicle. Lynfield YL, et al. **J Am Acad Dermatol** 1984 Jan;10(1):56–9

An in–vitro investigation of mucosa–adhesive materials for use in controlled drug delivery. Smart JD, et al. **J Pharm Pharmacol** 1984 May;36(5):295–9

Cerebral protective properties of the commercial vehicle solution of naloxone [letter] Crockard HA, et al. **Lancet** 1983 Nov 12;2(8359):1143

Selection of the vehicle for topical administration of drugs. Lippold BC. **Pharm Acta Helv** 1984;59(5–6):166–71

[Changes in physiochemical properties of shelved oleaginous suppository bases: the effects on indomethacin, aminopyrine and sulpyrine release rates] Ejima A, et al. **Eisei Shikenjo Hokoku** 1983;(101):75–9 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

The effect of chemical carriers on avian LC50 toxicity tests. Gile JD, et al. **Bull Environ Contam Toxicol** 1983 Aug; 31(2):195–202

Preparation and evaluation of biodegradable polymeric systems for the intra–articular delivery of drugs. Ratcliffe JH, et al. **J Pharm Pharmacol** 1984 Jul;36(7):431–6

ADVERSE EFFECTS

'Cocktail'–coronary care [letter] Daly TJ, et al. **N Engl J Med** 1984 Apr 26;310(17):1123

PHARMACODYNAMICS

Vehicle effect on topical drug delivery. I. Influence of glycols and drug concentration on skin transport. Møllgaard B, et al. **Acta Pharm Suec** 1983;20(6):433–42

Vehicle effect on topical drug delivery. II. Concurrent skin transport of drugs and vehicle components. Møllgaard B, et al. **Acta Pharm Suec** 1983;20(6):443–50

A cellulose ester film as an inert vehicle for skin pharmacological studies. Shroot B, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:163–7

Effect of vehicle on the pharmacokinetics and uptake of four halogenated hydrocarbons from the gastrointestinal tract of the rat. Withey JR, et al. **J Appl Toxicol** 1983 Oct; 3(5):249–53

Influence of vehicles on penetration through human epidermis of benzyl alcohol, isoeugenol and methyl isoeugenol. Jimbo Y, et al. **J Dermatol (Tokyo)** 1983 Jun; 10(3):241–50

POISONING

Ethanol intoxication complicating intravenous nitroglycerin therapy. Shook TL, et al. **Ann Intern Med** 1984 Oct; 101(4):498–9

Acute Wernicke's encephalopathy after intravenous infusion of high–dose nitroglycerin. Shorey J, et al. **Ann Intern Med** 1984 Oct;101(4):500

TOXICITY

Response of dogs to subcutaneous injections of various concentrations of propylene glycol with water. Brown JM, et al. **Am J Vet Res** 1984 Jan;45(1):83–6

VEILLONELLA

ENZYMOLOGY

Reconstitution of Na+ transport from purified methylmalonyl–CoA decarboxylase and phospholipid vesicles. Hilpert W, et al. **Eur J Biochem** 1984 Feb 1; 138(3):579–83

VEILLONELLACEAE

ANALYSIS

Nuclear–magnetic–resonance investigation of 15N–labeled flavins, free and bound to Megasphaera elsdenii apoflavodoxin. Franken HD, et al. **Eur J Biochem** 1984 Feb 1;138(3):481–9

The use of two–dimensional nuclear–magnetic–resonance spectroscopy and two–dimensional difference spectra in the elucidation of the active center of Megasphaera elsdenii flavodoxin. Moonen CT, et al. **Eur J Biochem** 1984 Jun 1;141(2):323–30

ENZYMOLOGY

Butyryl–CoA dehydrogenase from Megasphaera elsdenii. Specificity of the catalytic reaction. Williamson G, et al. **Biochem J** 1984 Mar 1;218(2):521–9

Electron paramagnetic resonance and other properties of hydrogenases isolated from Desulfovibrio vulgaris (strain Hildenborough) and Megasphaera elsdenii. Grande HJ, et al. **Eur J Biochem** 1983 Oct 17;136(1):201–7

METABOLISM

A proton–nuclear–magnetic–resonance study at 500 MHz on Megasphaera elsdenii flavodoxin. A study on the stability, proton exchange and the assignment of some resonance lines. Moonen CT, et al. **Eur J Biochem** 1984 Apr 16; 140(2):311–8

On the intermolecular electron transfer between different redox states of flavodoxin from Megasphaera elsdenii. A 500–MHz 1H NMR study. Moonen CT, et al. **Eur J Biochem** 1984 Apr 16;140(2):303–9

A pulse–radiolysis study of the reduction of flavodoxin from Megasphaera elsdenii by viologen radicals. A conformational change as a possible regulating mechanism. van Leeuwen JW, et al. **Eur J Biochem** 1983 Oct 3; 135(3):601–7

VEINS

Hemangioma of the buccal pad with phlebolithiasis: report of a case. Ikegami N, et al. **Acta Med Okayama** 1984 Feb; 38(1):79–87

The migration of lymphocytes across specialized vascular endothelium: VIII. Physical and chemical conditions influencing the surface morphology of lymphocytes and their ability to enter lymph nodes. Ford WL, et al. **Am J Anat** 1984 Jul;170(3):377–90 (39 ref.)

Fatal neurologic complication of parenteral feeding through a central vein catheter. Kelly MA, et al. **Am J Dis Child** 1984 Apr;138(4):352–3

A subcutaneous tunnelling device for central venous catheters [letter] Tonkin PA, et al. **Anaesthesia** 1984 Feb; 39(2):196–7

A simple snare for the retrieval of an embolised central venous cannula [letter] Ruttley MS. **Br J Radiol** 1984 Aug; 57(680):764

The misplaced thoracic venous catheter: detailed anatomical consideration. Wechsler RJ, et al. **CRC Crit Rev Diagn Imaging** 1984;21(4):289–305 (23 ref.)

A case of aneurysm of the jugular and mediastinal veins—radioisotopic blood pool study of venous aneurysm. Furukawa T, et al. **Eur J Nucl Med** 1984;9(4):196–8

Influence of the stress of venepuncture on basal levels of plasma renin activity in infants and children. Fiselier T, et al. **Int J Pediatr Nephrol** 1983 Sep;4(3):181–5

The pharyngovertebral veins: an anatomical rationale for Grisel's syndrome. Parke WW, et al. **J Bone Joint Surg [Am]** 1984 Apr;66(4):568–74

A comparative study of intravenous cannulae—'Venflon' with valved sideport and 'Intraflux' with membranous sideport. Jakobsen CJ, et al. **J Hosp Infect** 1983 Dec; 4(4):399–402

Bacteraemia in surgical patients with intravenous devices: a European multicentre incidence study. The European Working Party on Control of Hospital Infections. Nyström B, et al. **J Hosp Infect** 1983 Dec;4(4):338–49

The intercostal vein: an alternate route for central venous alimentation. Newman BM, et al. **J Pediatr Surg** 1983 Dec; 18(6):732–3

Mortality trends from venous thrombosis and embolism in England and Wales [letter] Butler CM, et al. **Lancet** 1983 Dec 3;2(8362):1314

Nitroglycerin ointment as aid to venepuncture [letter] Lohmann M, et al. **Lancet** 1984 Jun 23;1(8391):1416–7

Cerebral venous angiomas. Olson E, et al. **Radiology** 1984 Apr;151(1):97–104

[Vascular function tests and venous diseases] Lemaire R. **Phlebologie** 1984 Apr–Jun;37(2):217–23 (Eng. Abstr.) **(Fre)**

[Pigmentation and venous stasis] Merlen JF, et al. **Phlebologie** 1983 Oct–Dec;36(4):307–14 (Eng. Abstr.) **(Fre)**

[A model for learning the venous puncture technic in the dog. A possibility for reducing stress of live experimental animals in student instruction] Galle U, et al. **Zentralbl Veterinarmed [A]** 1983 Dec;30(10):796–9 (Eng. Abstr.) **(Ger)**

[Central venous catheterization] Weiner P, et al. **Harefuah** 1984 May 15;106(10):463–5 **(Heb)**

ABNORMALITIES

Closed–system venography in the evaluation of angiodysplastic lesions of the extremities. Braun SD, et al. **AJR** 1983 Dec;141(6):1307–10

Hemifacial spasm caused by a venule: case report. Jannetta PJ. **Neurosurgery** 1984 Jan;14(1):89–92

[Daily rectal bleeding caused by venous angiodysplasia of the rectum] de la Salle R, et al. **Chir Pediatr** 1984; 25(3):189–90 (Eng. Abstr.) **(Fre)**

[Klippel–Trenaunay syndrome of the upper extremity. Apropos of 2 cases] Coget JM, et al. **Phlebologie** 1983 Jul–Sep;36(3):271–5 (Eng. Abstr.) **(Fre)**

[Ductus venosus (of Arantius) as a cause of strangulating intestinal obstruction] Negodiuk AV, et al. **Klin Khir** 1984 Apr;(4):53 **(Rus)**

ANATOMY & HISTOLOGY

An investigation into the venous drainage of the diaphragm of the sheep. Martin EC, et al. **Invest Radiol** 1983 May–Jun; 18(3):272–4

[Anatomic study of the left inferior diaphragmatic vein (vena phrenica inferior sinistra)] Bonnette P, et al.

Bull Assoc Anat (Nancy) 1983 Mar;67(196):69–77 (Eng. Abstr.) (Fre)
[Significance of the venous system of the spine in the formation of metastases] Gowin W. Strahlentherapie 1983 Nov;159(11):682–9 (Eng. Abstr.) (Ger)

DRUG EFFECTS

Effects of two new Ca-entry blockers bepridil and nitrendipine on isolated vessels. Mikkelsen E, et al. Acta Pharmacol Toxicol (Copenh) 1984 Apr;54(4):258–64
Factors modifying the early nondiuretic vascular effects of furosemide in man. The possible role of renal prostaglandins. Johnston GD, et al. Circ Res 1983 Nov; 53(5):630–5
Circulatory effects of nitroglycerin ointment (Nitrong) with special reference to venous distensibility. Nyberg G, et al. Int J Clin Pharmacol Ther Toxicol 1984 Feb;22(2):91–5
Incidence and extent of venous sequelae with intravenous diazepam utilizing a standardized conscious sedation technique. Part II: Effects of injection site. Morgan M, et al. J Periodontol 1983 Nov;54(11):680–4
Two wrongs don't make a right [letter] Buckberg GD. J Thorac Cardiovasc Surg 1984 Jun;87(6):946–7
Different modes of action of clonidine on isolated canine veins. Tsuru H, et al. Jpn J Pharmacol 1983 Oct; 33(5):1089–91
Drugs affecting venous reactivity [letter] Goodlin R. Lancet 1984 Sep 1;2(8401):517
[Modification of venous function after pharmacologic treatment. Plethysmographic study] Pedrini L, et al. Clin Ter 1983 Aug 31;106(4):271–7 (Eng. Abstr.) (Ita)

EMBRYOLOGY

The origin of the endothelium in the developing marginal vein of the chick wing-bud. Wilson D. Cell Differ 1983 Sep;13(1):63–7

ENZYMOLOGY

Prostacyclin synthetase activity in diabetic human venous tissue. Saroyan RM, et al. Surgery 1984 Aug;96(2):179–83

INJURIES

Polytetrafluoroethylene grafts in the rapid reconstruction of acute contaminated peripheral vascular injuries. Shah DM, et al. Am J Surg 1984 Aug;148(2):229–33
Civilian trauma in the 1980s. A 1-year experience with 456 vascular and cardiac injuries. Feliciano DV, et al. Ann Surg 1984 Jun;199(6):717–24
Intraabdominal venous injuries. Greig JD, et al. Curr Surg 1984 Jan–Feb;41(1):20–3
Traumatic arteriovenous malformation of the external carotid arterial system. Marks MW, et al. Head Neck Surg 1984 Jul–Aug;6(6):1054–8
[Prevention of venous thrombosis in surgery of the lower limbs. Various phases of an experience in a general traumatology service] Brunner U. Phlebologie 1984 Jan–Mar;37(1):41–7 (Eng. Abstr.) (Fre)
[Surgical treatment of blood vessel injuries in a trauma center] Kirichenko MN, et al. Vestn Khir 1983 Oct; 131(10):88–91 (Eng. Abstr.) (Rus)
[Results of reconstructive surgery of the blood vessels in injuries of the distal regions of the upper extremities] Zakharova GN, et al. Vestn Khir 1983 Jul;131(7):69–72 (Eng. Abstr.) (Rus)
[Long central venous catheters – time for an evaluation] Gustavsson B, et al. Lakartidningen 1983 Oct 19; 80(42):3929–31 (Swe)

INNERVATION

Prejunctional beta-adrenoceptors in human and canine saphenous veins. Verbeuren TJ, et al. J Auton Nerv Syst 1983 Jul;8(3):261–71
Aminergic innervation of cerebral veins. Histochemical comparison with extracranial veins. Itakura T, et al. J Neurosurg 1984 Jan;60(1):140–4

METABOLISM

Evidence for the participation of superoxide anion radical in altering the adhesive interaction between granulocytes and endothelium, in vivo. Del Maestro RF, et al. Int J Microcirc Clin Exp 1982;1(2):105–20
TxA2 production by human arteries and veins. Neri Serneri GG, et al. Prostaglandins 1983 Jun;25(6):753–66
[Venous prostacycline synthesis and plasma thromboxane B2 after low-dose aspirin] Kaliman J, et al. Wien Klin Wochenschr 1983 Sep 16;95(17):615–7 (Eng. Abstr.) (Ger)

PATHOLOGY

Changes in vascular endothelium related to lymphocyte collections in diseased synovia. Freemont AJ, et al. Arthritis Rheum 1983 Dec;26(12):1427–33
Scanning electron microscopy and evans blue staining for assessing endothelial trauma and reconstitution after venous thrombectomy. Einarsson E, et al. Scan Electron Microsc 1984;(Pt 1):273–8
[Phlebology] Hautarzt 1983;34 Suppl 6:121–45 (Ger)

PHYSIOLOGY

Calcium channels resistant to organic calcium entry blockers in a rabbit vein. Winquist RJ, et al. Am J Physiol 1983 Dec;245(6):H1024–30
Activation of platelets and of fibrinolysis by venous occlusion in healthy volunteers and influence of suloctidil in comparison with placebo. Baele G, et al. Arzneimittelforsch 1983;33(8):1203–5
Rheological properties and wall structures of large veins. Hasegawa M. Biorheology 1983;20(5):531–45
An apparatus for the calibration of electromagnetic flowprobes on small veins in situ. Kuzon WM Jr, et al. Experientia 1984 Sep 15;40(9):1020–2
Morphologic basis of increased vascular permeability induced by acetyl glyceryl ether phosphorylcholine. Humphrey DM, et al. Lab Invest 1984 Jan;50(1):16–25
William Harvey revisited: reverse flow through the valves of forearm veins. Timmons MJ. Lancet 1984 Aug 18; 2(8399):394–5
Reflex control of veins and vascular capacitance. Rothe CF. Physiol Rev 1983 Oct;63(4):1281–342 (383 ref.)
[Clinical, functional and morphological late results of venous thrombectomy] Minar E, et al. Vasa 1983;12(4):346–52 (Eng. Abstr.) (Ger)
[Structural and functional characteristics of arteries and veins in the common frog] Leont'eva GR, et al. Fiziol Zh SSSR 1984 May;70(5):552–68 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Regional venous return: nitroprusside effect in normal and chronically congested dogs. Engler RL, et al. Am J Physiol 1983 Nov;245(5 Pt 1):H814–23
Is acute tolerance to 5-hydroxytryptamine opioid dependent? Its absence in migraine sufferers. Sicuteri F. Cephalalgia 1983 Sep;3(3):187–90
Impaired 5-hydroxytryptamine tachyphylaxis in migraine. Sicuteri F, et al. Cephalalgia 1983 Sep;3(3):139–42
Venous responses to salt loading in hypertensive subjects. Takeshita A, et al. Circulation 1984 Jan;69(1):50–6
[The lymphatic system and the venous wall. Clinical aspects] Stemmer R, et al. Phlebologie 1984 Apr–Jun;37(2):195–200 (Eng. Abstr.) (Fre)
[2 types of dynamics of filling of veins in the extremities during obstruction of venous outflow] Borisova LF. Biull Eksp Biol Med 1984 Apr;97(4):401–5 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

The effect of radiation alone and of radiation followed by hyperthermia on the vasculature of mouse intestine. Falk P. Br J Radiol 1984 Aug;57(680):709–15
Scanning electron microscopy of irradiated recipient blood vessels in head and neck free flaps. Guelinckx PJ, et al. Plast Reconstr Surg 1984 Aug;74(2):217–26

RADIONUCLIDE IMAGING

Effects of sphere size and injection site on regional cerebral blood flow measurements. Chen RY, et al. Stroke 1983 Sep–Oct;14(5):769–76
[Isotopic and conventional phlebographies] Esslemont-Gally A, et al. Phlebologie 1983 Jul–Sep;36(3):241–8 (Fre)

SURGERY

Retrograde valve incision for insitu vein-arterial bypass utilising a valvulotome. Corson JD, et al. Ann R Coll Surg Engl 1984 May;66(3):173–4
Erysipelas after venectomy for coronary artery bypass surgery. Dan M, et al. Isr J Med Sci 1983 Dec; 19(12):1100–1
Reconstruction of veins: the need for objectivity. Husni EA. J Cardiovasc Surg (Torino) 1983 Sep–Oct;24(5):525–8
Venous prostheses: improved patency with external stents. Robison RJ, et al. J Surg Res 1984 Apr;36(4):306–11
Patency of lymphatic venous anastomosis [letter] Fox U. Microsurgery 1983;4(3):206
End-to-side anastomosis of the vein: a technical innovation. Harashina T. Microsurgery 1983;4(2):113–4
The external ring method of microvenous anastomosis: a new experimental concept. Weinrib H, et al. Microsurgery 1983; 4(2):134–9
Venipuncture fits: a form of reflex anoxic seizure. Roddy SM, et al. Pediatrics 1983 Nov;72(5):715–8
In situ vein branch angioplasty. Corson JD, et al. Surg Gynecol Obstet 1984 Sep;159(3):282–3
A growth factor in fine vascular anastomoses. Starzl TE, et al. Surg Gynecol Obstet 1984 Aug;159(2):164–5
[Results of ligature of the upper testicular vein in idiopathic varicocele and subfertility] Lenk S, et al. Z Urol Nephrol 1984 Apr;77(4):207–12 (Eng. Abstr.) (Ger)
[Usefulness of venous wall in prevention of adhesions after experimental tendon suture] Minta P. Chir Narzadow Ruchu Ortop Pol 1983;48(5–6):423–9 (Eng. Abstr.) (Pol)
[Experimental microanastomoses and microvenous autoprosthesis of veins using the microsurgical suture material 'Metallotraum'] Driuk NF, et al. Klin Khir 1983 Jul;(7):33–6 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Polytetrafluoroethylene versus autogenous vein grafts for vascular reconstruction in contaminated wounds. Stone KS, et al. Am J Surg 1984 May;147(5):692–5
Preparation of venous allografts. A comparison of techniques. Balderman SC, et al. Ann Surg 1984 Aug;200(2):117–30
Linton patch angioplasty. An adjunct to distal bypass with polytetrafluoroethylene grafts. Batson RC, et al. Ann Surg 1984 Jun;199(6):684–93
Upper extremity vein graft for aortocoronary bypass. Prieto I, et al. Ann Thorac Surg 1984 Mar;37(3):218–21
Functional injury of vein graft endothelium. Role of hypothermia and distention. Bush HL Jr, et al. Arch Surg 1984 Jul;119(7):770–4
Patency of axillofemoral grafts [letter] Corbett CR, et al. Br J Surg 1983 Nov;70(11):699–700
In situ femoral, popliteal and distal bypass for limb salvage [letter] Corson JD, et al. Br J Surg 1983 Dec;70(12):744–5
In situ femoropopliteal and distal vein bypass for limb salvage [letter] Schraibman IG. Br J Surg 1983 Nov;70(11):699
Patch autografts in the treatment of urethral stricture. Goldenberg SL, et al. Can J Surg 1983 Sep;26(5):418–22
Injury to human endothelial cells in culture under conditions simulating the use of vein grafts for vascular surgery. Solberg S, et al. Eur Surg Res 1984;16(4):256–64
Class I antibody induction by rat endothelium. Goldman MH, et al. J Surg Res 1984 Apr;36(4):327–31
Effect of suture technique on blood velocity waveforms in the microvascular anastomosis of autogenous vein graft. Lee BY, et al. Microsurgery 1983;4(3):151–6
The response of venous valvular endothelium to autotransplantation and in vitro preservation. Raju S, et al. Surgery 1983 Nov;94(5):770–5
Dimethylsulfoxide-treated, cryopreserved venous allografts in the arterial and venous systems. Sitzmann JV, et al. Surgery 1984 Feb;95(2):154–9
[Use of venous homografts in femoro-popliteal bypasses] Chanson C, et al. Helv Chir Acta 1984 Apr;51(1):123–6 (Eng. Abstr.) (Fre)
[Vein interposition as a pathway for peripheral nerve regeneration] Rigoni G, et al. Handchir Mikrochir Plast Chir 1983 Dec;15(4):227–31 (Eng. Abstr.) (Ger)
[Experimental study of new possibilities of reconstruction of the peritendineal gliding surface. II. Restoration of a tenovagineal injury by an autologous venous patch] Bíró V, et al. Magy Traumatol Orthop Helyreallito Sebesz 1984; 27(2):113–22 (Eng. Abstr.) (Hun)
[Elastase treated frozen-dried homologous vein graft for peripheral arterial reconstruction] Muto Y. Fukuoka Igaku Zasshi 1984 Feb;75(2):47–63 (Eng. Abstr.) (Jpn)
[Effect of the vein bypass graft diameter on late graft patency and flow volume] Morishita Y, et al. Nippon Kyobu Geka Gakkai Zasshi 1983 Jun;31(6):857–62 (Eng. Abstr.) (Jpn)
[Use of fresh allovenous transplants for femoro-popliteal shunting of arteries and veins] Troshin AZ, et al. Khirurgiia (Mosk) 1984 May;(5):116–9 (Rus)
[Surgical treatment of occlusions of the arteries of the femoro-popliteal segment using fresh allovenous transplants] Dotsenko AP, et al. Klin Khir 1984 Jul;(7):61–3 (Eng. Abstr.) (Rus)
[Nonspecific results of reconstructive surgery on the arteries of the lower extremities] Gambarin BL, et al. Klin Khir 1984 Jul;(7):11–3 (Eng. Abstr.) (Rus)
[Biochemical conformity of vascular transplants to the arteries in the zone of reconstruction] Karvanen ES. Klin Khir 1984 Jul;(7):19–22 (Eng. Abstr.) (Rus)
[Autovenous plasty of vessels in emergency surgery of the hands and fingers] Krylov VS, et al. Klin Khir 1983 Jul; (7):30–3 (Eng. Abstr.) (Rus)
[Plastic surgery of the arteries using autologous veins in free transplantation of combined flaps with microvascular anastomoses] Krylov VS, et al. Vestn Khir 1983 Dec; 131(12):47–50 (Eng. Abstr.) (Rus)
[The importance of vein grafts in replantation] Stanec Z, et al. Chir Maxillofac Plast 1983;13(2–3):87–90 (Eng. Abstr.) (Scr)

ULTRASTRUCTURE

An electron-microscopic study of the endothelium in mammalian bronchial microvasculature. Hirabayashi M, et al. Cell Tissue Res 1984;236(1):19–25
Three-dimensional characteristics of the intramyocardial microvasculature of hypertrophied human hearts. Izumi T, et al. J Mol Cell Cardiol 1984 May;16(5):449–57

VELOPHARYNGEAL INSUFFICIENCY

COMPLICATIONS

Nasality and velopharyngeal function in five hearing impaired adults. Lock RB, et al. J Commun Disord 1984 Feb;17(1):47–64

CONGENITAL

Use of the pharyngeal flap in the treatment of congenital velopharyngeal incompetence. Stueber K, et al. Plast Reconstr Surg 1984 Feb;73(2):219–22

DIAGNOSIS

Current clinical practices in the assessment of velopharyngeal closure. Pannbacker M, et al. **Cleft Palate J** 1984 Jan; 21(1):33–7

An accelerometric measure as a physical correlate of perceived hypernasality in speech. Horii Y. **J Speech Hear Res** 1983 Sep;26(3):476–80

[Instrument exploration of velar insufficiency] Martinez PM. **Chir Pediatr** 1983;24(4–5):347–9 (Fre)

[Clefts of the secondary palate. monitoring on the phonetic level. Diagnosis of velar insufficiency] Mousset MR. **Chir Pediatr** 1983;24(4–5):345–6 (Fre)

ETIOLOGY

Velopharyngeal insufficiency starting at puberty without adenoidectomy. Shapiro RS. **Int J Pediatr Otorhinolaryngol** 1980 Sep;2(3):255–60

Velopharyngeal incompetence in a patient with multifocal eosinophilic granuloma (Hand–Schüller–Christian disease). Cohn ER, et al. **J Speech Hear Disord** 1982 Aug; 47(3):320–3

PHYSIOPATHOLOGY

[The mechanism of phonation, changes due to the loss of velopalatine substance] Benoist M, et al. **Actual Odontostomatol (Paris)** 1983 Sep;143:439–53 (Eng. Abstr.) (Fre)

RADIOGRAPHY

Barium sulphate coating of the nasopharynx in lateral view videofluoroscopy. Cohn ER, et al. **Cleft Palate J** 1984 Jan; 21(1):7–17

REHABILITATION

Visual training for velopharyngeal closure in cleft palate patients; a fibrescopic procedure (preliminary report). Yamaoka M, et al. **J Maxillofac Surg** 1983 Aug;11(4):191–3

SURGERY

Sphincter pharyngoplasty for correction of velopharyngeal incompetence. Stratoudakis AC, et al. **Ann Plas. Surg** 1984 Mar;12(3):243–8

Sleep apnea precipitated by pharyngeal surgery in a patient with myotonic dystrophy. Cadieux RJ, et al. **Arch Otolaryngol** 1984 Sep;110(9):611–3

The Orticochea dynamic pharyngoplasty. Lendrum J, et al. **Br J Plast Surg** 1984 Apr;37(2):160–8

Velopharyngeal incompetency in the absence of overt cleft palate: anatomic and surgical considerations. Trier WC. **Cleft Palate J** 1983 Jul;20(3):209–17

Surgery for velopharyngeal incompetence [letter] Smith BE, et al. **Plast Reconstr Surg** 1983 Dec;72(6):918

[Pharyngoplasty in normal velar insufficiency] Bedouelle J, et al. **Chir Pediatr** 1983;24(4–5):356–64 (Fre)

THERAPY

Auditory and visual feedback of nasalization using a modified accelerometric method. Horii Y, et al. **J Speech Hear Res** 1983 Sep;26(3):472–5

VELUM PALATINUM see PALATE, SOFT

VENA CAVA, INFERIOR

Noninvasive evaluation of the inferior vena cava. The value of sonography. Slovis TL, et al. **Am J Dis Child** 1984 Mar; 138(3):277–80

Renal vein thrombosis and inferior vena cava thrombosis in systemic lupus erythematosus. Frequency and risk factors. Mintz G, et al. **Arthritis Rheum** 1984 May;27(5):539–44

Intravenous balloon pumping for acute right ventricular failure [letter] Tamari Y, et al. **Artif Organs** 1984 Feb; 8(1):105–6

Right upper quadrant abdominal masses mimicking hepatic tumours: an approach to management. Collier NA, et al. **Aust NZ J Surg** 1984 Apr;54(2):113–8

Aortocaval compression and plasma concentrations of thiopentone at caesarean section. Morgan DJ, et al. **Br J Anaesth** 1984 Apr;56(4):349–54

Cavo-portal shunting in superior and inferior vena caval obstruction. Desai AG, et al. **Clin Nucl Med** 1983 Aug; 8(8):365–8

Ultrasonographic evaluation of the retrocaval region. Merritt CR. **CRC Crit Rev Diagn Imaging** 1983;20(3):215–59 (40 ref.)

Membranous obstruction of the inferior vena cava and systemic lupus erythematosus. Wilson JH, et al. **Digestion** 1983;27(2):111–5

Inferior vena caval tamponade following partial hepatectomy for liver injury. Furnival CM, et al. **Injury** 1983 Sep; 15(2):127–8

Spontaneous contrast in the inferior vena cava in a patient with constrictive pericarditis. Hjemdahl-Monsen CE, et al. **J Am Coll Cardiol** 1984 Jul;4(1):165–7

Spontaneous iliac artery–inferior vena caval fistula: rare complication of ruptured abdominal aneurysm. Meyer PJ, et al. **J Am Osteopath Assoc** 1983 Sep;83(1):52–5

Budd–Chiari syndrome with inferior vena cava obstruction associated with systemic lupus erythematosus. Disney TF, et al. **J Clin Gastroenterol** 1984 Jun;6(3):253–6

A simple method of obtaining repeated venous blood samples from the conscious rat. Hall RI, et al. **J Surg Res** 1984 Jan;36(1):92–5

Hematuria as a presenting symptom of an aortic–vena caval fistula from ruptured aortic aneurysm. van Driel M, et al. **J Urol** 1984 Oct;132(4):774–5

Pheochromocytoma invasion of the inferior vena cava: sonographic evaluation. Hoffman JC, et al. **Radiology** 1983 Dec;149(3):793–5

Percutaneous transcatheter filter for the inferior vena cava. A new device for treatment of patients with pulmonary embolism. Roehm JO Jr, et al. **Radiology** 1984 Jan; 150(1):255–7

Kimray–Greenfield vena cava filter: percutaneous introduction. Tadavarthy SM, et al. **Radiology** 1984 May; 151(2):525–6

Case report 265. Scalloping and destruction of pedicles of lumbar vertebral bodies on the right side secondary to venous collaterals, associated with thrombosis of the inferior vena cava. Singson RD, et al. **Skeletal Radiol** 1984; 11(4):293–5

The Curry loop. Adinolfi MF, et al. **Surg Gynecol Obstet** 1984 Apr;158(4):383

The clinical implications of acute thrombosis of the inferior vena cava. Farber SP, et al. **Surg Gynecol Obstet** 1984 Feb; 158(2):141–4

A new method of management using the Kim–Ray Greenfield filter for deep venous thrombosis and pulmonary embolism in spinal cord injury. Jarrell BE, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):316–20

Left ventricular adaptation to volume overload from large aortocaval fistula. Alyono D, et al. **Surgery** 1984 Aug; 96(2):360–7

The Greenfield intracaval filter as a source of recurrent pulmonary thromboembolism. McAuley CE, et al. **Surgery** 1984 Sep;96(3):574–7

Vena cava tumor thrombus from renal cell carcinoma arising from adrenal vein. Crawford ED, et al. **Urology** 1984 Jun; 23(6):538–40

Malignant mesenchymoma of kidney and inferior vena cava. Reed HM, et al. **Urology** 1983 Sep;22(3):297–9

[Membranous obstruction of the inferior vena cava of the hepatic section] Chen XT. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):646–9 (Chi)

[Leiomyosarcoma of the inferior vena cava. Apropos of a recent case] Kretz JG, et al. **Ann Chir** 1984 May; 38(4):309–11 (Eng. Abstr.) (Fre)

[Interruption of the caval flow by the Mobin–Uddin endoluminal umbrella filter. Apropos of 27 cases. Comparison with experience using 50 clips] Perche G, et al. **Ann Radiol (Paris)** 1983 Jun–Jul;26(5):366–9 (Eng. Abstr.) (Fre)

[Partial interruption of the inferior caval flow: clip or umbrella?] Chapuis Y, et al. **Chirurgie** 1984;110(3):309–12 (Fre)

[Value of digital angiography via a vein in the diagnosis of an atheromatous aneurysm of the subrenal aorta ruptured into the inferior vena cava] Pernes J[illegible] et al. **J Mal Vasc** 1983;8(4):301–5 (Eng. Abstr.) (Fre)

[Myocardial infarction and caval thrombosis associated with heparin-induced thrombopenia (letter)] Bache R, et al. **Presse Med** 1984 Apr 14;13(16):1006 (Fre)

[Prevention of pulmonary embolism by Greenfield's umbrella. One year's use (letter)] Grand A, et al. **Presse Med** 1983 Oct 29;12(38):2399 (Fre)

[Thrombosis of the superior longitudinal sinus. Complication of interruption of the inferior vena cava by a filter preventing pulmonary embolism (letter)] Hommel M, et al. **Presse Med** 1984 Apr 28;13(18):1156 (Fre)

[Inferior caval syndromes. Apropos of 45 cases] Fassin D, et al. **Sem Hop Paris** 1984 Jan 12;60(1):35–41 (Eng. Abstr.) (Fre)

[Percutaneous transluminal extraction of an embolized central venous catheter] Erdmann E. **Dtsch Med Wochenschr** 1984 Sep 7;109(36):1361–3 (Eng. Abstr.) (Ger)

[Trauma-induced thrombosis of the inferior vena cava] Bauer FE, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):267–71 (Eng. Abstr.) (Ger)

[Physiopathology and clinical aspects of the vena cava occlusion syndrome] Künzel W. **Gynakologe** 1984 Jun; 17(2):106–14 (34 ref.) (Ger)

[Clinical course of lower vena cava inferior syndrome] Grossmann K, et al. **Vasa** 1983;12(4):337–41 (Eng. Abstr.) (Ger)

[Massive pulmonary embolism: case report of successful embolectomy with transatrial vena cava blockade] Haiderer O, et al. **Wien Med Wochenschr** 1983 Nov 15; 133(21):549–52 (Eng. Abstr.) (Ger)

[Echographic study of the inferior vena cava in abdominal neoplastic pathology. Comparison with the inferior cavography] Ziviello M, et al. **Radiol Med (Torino)** 1983 Jun;69(6):401–7 (Eng. Abstr.) (Ita)

[A case of vena caval obstruction treated with long-bypass operation] Iemura J, et al. **Kyobu Geka** 1984 Jun; 37(6):469–73 (Eng. Abstr.) (Jpn)

[Surgical treatment of leiomyoma of the inferior vena cava protruding into the right atrium] Shida T, et al. **Kyobu Geka** 1983 Aug;36(8):636–9 (Eng. Abstr.) (Jpn)

[Case of renal cell carcinoma causing Budd–Chiari syndrome by tumor thrombus of inferior vena cava] Yanagizawa R, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Sep; 74(9):1692–9 (Eng. Abstr.) (Jpn)

[Venous invasion of the urogenital malignant tumors—CT and sonographic evaluations] Takebayashi S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1382–92 (Eng. Abstr.) (Jpn)

[CT diagnosis of membranous obstruction of the inferior vena cava] Seki T, et al. **Rinsho Hoshasen** 1983 Jun;28(6):703–6 (Eng. Abstr.) (Jpn)

[Arteriovenous fistula as a complication of intervertebral disk hernia surgery] Langer B, et al. **Rev Paul Med** 1983 Nov–Dec;101(6):228–30 (Eng. Abstr.) (Por)

[Removal of a pheochromoblastoma invading the wall of the inferior vena cava and kidney] Bulynin VI, et al. **Khirurgiia (Mosk)** 1984 May;(5):135–6 (Rus)

[Diagnosis of Itsenko–Cushing disease and syndrome using angiography and the determination of the hormone content in blood samples from the adrenal veins and the inferior vena cava] Iugrinov OG, et al. **Vestn Rentgenol Radiol** 1983 May–Jun;(3):18–23 (Eng. Abstr.) (Rus)

[A rare complication caused by an intravenous catheter in parenteral feeding (a case report)] Vidović M, et al. **Acta Chir Iugosl** 1983;30(2):271–4 (Eng. Abstr.) (Ser)

ABNORMALITIES

Atypical polysplenia only with absence of the hepatic segment of inferior vena cava in a middle-aged. Miyabara S, et al. **Acta Pathol Jpn** 1984 Jan;34(1):111–6

Persistence of the left superior vena cava: a case report. Lembo CM, et al. **Angiology** 1984 Jan;35(1):58–62

Angiography vs computed tomography in investigating abnormality of the inferior vena cava [letter] Rogol PR, et al. **Chest** 1983 Nov;84(5):649–50

Anomalous inferior vena cava with idiopathic thrombosis simulating a mass. Kumar D, et al. **Comput Radiol** 1983 Jul–Aug;7(4):223–7

Diagnosis by ultrasonography and isotopic phlebography of a malformation of the inferior vena cava: proximal transposition with anterior crossing over the aorta. Pinedo JI, et al. **Eur J Nucl Med** 1983;8(12):549–51

Accessory hemiazygos continuation of left inferior vena cava: CT demonstration. Cohen MI, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):777–9

Azygos continuation of the inferior vena cava: demonstration by NMR imaging. Schultz CL, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):774–6

A new method for the measurement of intrahepatic shunts. Hoefs JC, et al. **J Lab Clin Med** 1984 Mar;103(3):446–61

Combined intracardiac and extracardiac repair of scimitar syndrome with anomalous pulmonary veins to both cavae. Cobanoglu A, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):141–6

Sonographic demonstration of an anatomic variant of the inferior vena cava. Hoffman JC, et al. **J Ultrasound Med** 1983 Sep;2(9):421–3

Surgical correction of total anomalous systemic venous drainage with ventricular septal defect and pulmonary stenosis—report of a case. Kao CT, et al. **Nippon Geka Hokan** 1983 Mar 1;52(2):256–62

Two-dimensional and Dopple rechocardiographic identification of infrahepatic interruption of inferior vena cava with azygos continuation. Suthar AL, et al. **PACE** 1983 Sep;6(5 Pt 1):963–71

Partial anomalous pulmonary venous connection of right lung with inferior sinus venosus atrial septal defect [letter] Brais MP, et al. **Pediatr Cardiol** 1984 Apr–Jun;5(2):156–7

Angiography of azygos continuation of inferior vena cava in situs ambiguus with left isomerism (polysplenia syndrome). Roguin N, et al. **Pediatr Radiol** 1984; 14(2):109–12

Inferior vena cava anomalies associated with giant omphalocele—a proposed classification. Gorenstein A, et al. **Z Kinderchir** 1983 Dec;38(6):380–2

[Membranous obstruction of inferior vena cava with cyanosis and clubbed fingers] Tsai CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Mar;83(3):326–34 (Eng. Abstr.) (Chi)

[Congenital intrahepatic portacaval anastomosis: analysis of manifested glucose abnormalities] Gouin B, et al. **Gastroenterol Clin Biol** 1984 May;8(5):464–8 (Eng. Abstr.) (Fre)

[Isolated azygos continuation of the inferior vena cava] Gaillard JP, et al. **Poumon Coeur** 1983;39(3):145–50 (Eng. Abstr.) (Fre)

[Duplication of the inferior vena cava. Insertion of 2 Greenfield filters (letter)] Scordia P, et al. **Presse Med** 1984 Jul 14–21;13(29):1790–1 (Fre)

[Aplasia of the inferior vena cava] Ehlert R. **Z Kinderchir** 1983 Aug;38(4):256–7 (Eng. Abstr.) (Ger)

[Retrocaval course of the ureter (case report)] Wesuls H. **Z Urol Nephrol** 1984 Feb;77(2):115–7 (Ger)

[Chronic Budd–Chiari syndrome induced by surgery for fibrotic constriction of the inferior vena cava] Detky G. **Orv Hetil** 1984 Feb 5;125(6):337–9 (Hun)

[2 cases of anomalous pulmonary venous return into the inferior vena cava (incomplete Scimitar syndrome)] Motohashi Y, et al. **Kokyu To Junkan** 1983 Aug;31(8):911–4 (Eng. Abstr.) (Jpn)

[2 cases of duplication of the inferior vena cava and a retroaortic left renal vein—with special references to CT findings] Sasaki F, et al. **Rinsho Hoshasen** 1983 Aug; 28(8):903–6 (Eng. Abstr.) (Jpn)

[Right preureteral vena cava in a 17-year-old girl] Jankowski A, et al. **Pediatr Pol** 1984 Feb;59(2):153-6 **(Pol)**

[Congenital stenosis of the inferior vena cava in the suprahepatic region. Surgical correction of a case] Maluf M, et al. **Arq Bras Cardiol** 1983 Nov;41(5):389-93 (Eng. Abstr.) **(Por)**

[Absence of the inferior vena cava in a patient with patent ductus arteriosus and partial abdominal heterotaxia] Ivanov AM, et al. **Pediatriia** 1983 Jun;(6):67-8 **(Rus)**

[Budd-Chiari syndrome caused by membranous obstruction of the inferior cava and circulating anticoagulant] Pérez de Oteyza C, et al. **Rev Clin Esp** 1983 Sep 15;170(5):217-20 **(Spa)**

ANATOMY & HISTOLOGY

Evaluation of size and dynamics of the inferior vena cava as an index of right-sided cardiac function. Moreno FL, et al. **Am J Cardiol** 1984 Feb 1;53(4):579-85

INJURIES

Laceration of the inferior vena cava of angiographic demonstration. Sclafani SJ, et al. **Cardiovasc Intervent Radiol** 1983;6(3):164-6

Penetrating injuries of the heart and the great vessels. Slim M, et al. **Middle East J Anaesthesiol** 1983 Feb-Jun; 7(1-2):99-104

Injury to pelvic kidney and major abdominal blood vessels during 'temporary' peritoneal dialysis catheter insertion [letter] Pierce JS, et al. **Nephron** 1984;36(4):277

Suprahepatic vena caval cuff in liver transplantation. Raju S, et al. **Transplantation** 1984 Jan;37(1):110

[Injuries to abdominal vessels after surgery of disk herniation] Jue-Denis P, et al. **Rev Chir Orthop** 1984;70(2):141-5 (Eng. Abstr.) **(Fre)**

[Combined injuries of the liver, duodenum and inferior vena cava] Kleshchevnikova VP, et al. **Klin Khir** 1984 Apr;(4):48 **(Rus)**

[Combined injuries of the inferior vena cava, thoracic duct and stomach] Zhenetl' ZD, et al. **Sov Med** 1983;(8):115-6 **(Rus)**

[Penetrating wounds of the abdomen with injuries of the small intestine, common iliac artery and inferior vena cava] Zherlov GK, et al. **Vestn Khir** 1983 Nov;131(11):99-100 **(Rus)**

INNERVATION

A nervous connection between the hepatic plexus and right atrium in man. Ferraz de Carvalho CA, et al. **Gegenbaurs Morphol Jahrb** 1984;130(2):353-61

PATHOLOGY

Radionuclide venographic demonstration of portal and systemic collaterals in a case of complete IVC obstruction. Greenwald LV, et al. **Clin Nucl Med** 1984 Mar;9(3):156-8

A radical operation for the Budd-Chiari syndrome associated with obstruction of the inferior vena cava. A report of six patients. Nakao K, et al. **J Cardiovasc Surg (Torino)** 1984 May-Jun;25(3):216-21

Histiocytic lymphoma with invasion of renal vein and vena cava: a case report. Elliott JP Jr, et al. **J Miss State Med Assoc** 1984 Jun;25(6):147-9

Extracorporeal circulation for renal cell carcinoma with supradiaphragmatic vena caval thrombi. Klein FA, et al. **J Urol** 1984 May;131(5):880-3

Removal of renal cell carcinoma extending into the right atrium using cardiopulmonary bypass, profound hypothermia and circulatory arrest. Krane RJ, et al. **J Urol** 1984 May;131(5):945-7

Two stage surgical management of the Budd-Chiari syndrome associated with obstruction of the inferior vena cava. Warren WD, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):101-7

[2 cases of aortocaval fistula] Vilarem D, et al. **Ann Cardiol Angeiol (Paris)** 1984 Feb-Mar;33(2):109-12 (Eng. Abstr.) **(Fre)**

[Successful radical surgery of kidney cancer with extensive involvement of the inferior vena cava and pulmonary metastasis] Koguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):1051-6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effect of caval occlusion on the magnitude of unipolar atrial electrograms in dogs. Bedont RA, et al. **Am J Physiol** 1983 Oct;245(4):H580-3

Echocardiographic assessment of the inferior vena cava wall motion for studies of right heart dynamics and function. Gullace G, et al. **Clin Cardiol** 1984 Jul;7(7):393-404

Plasma vasopressin levels after infusions of hypertonic saline solutions into the renal, portal, carotid, or systemic circulation in conscious dogs. Liard JF, et al. **Endocrinology** 1984 Mar;114(3):986-91

Effect of inspiration on inferior vena caval blood flow in dogs. Lloyd TC Jr. **J Appl Physiol** 1983 Dec;55(6):1701-8

5-hydroxytryptamine-induced relaxation of neonatal porcine vena cava in vitro. Trevethick MA, et al. **Life Sci** 1984 Jul 30;35(5):477-86

Experimental lymphatico-venous shunt in the rat: pressure controls and long-term patency. Fox U, et al. **Lymphology** 1983 Sep;16(3):164-7

PHYSIOPATHOLOGY

Classic illustration. Eskes TK. **Eur J Obstet Gynecol Reprod Biol** 1983 Sep;16(1):71-3

[Relations of the ultrasonic image of the inferior vena cava and central venous pressure] Adler C, et al. **Aktuel Gerontol** 1983 Nov;13(6):209-13 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Medial indentation of the duodenal sweep by a dilated inferior vena cava. Liu CI, et al. **AJR** 1983 Dec; 141(6):1287-8

Transhepatic collateral pathway due to vena caval obstruction. Salomonowitz E, et al. **AJR** 1984 Jun; 142(6):1210-2

Access to the central circulation in the presence of combined superior and inferior vena caval obstruction. Robinson PJ. **Br J Radiol** 1984 Feb;57(674):169-70

Cytologic diagnosis of renal carcinoma in the presence of inferior vena cava obstruction: case report. Mulligan BD, et al. **Cardiovasc Intervent Radiol** 1983;6(3):129-30

Spontaneous aorto-caval fistulae. Gregson RH, et al. **Clin Radiol** 1983 Nov;34(6):683-7

Anomaly of the inferior vena cava observed by CT. Ueda J, et al. **Comput Radiol** 1983 May-Jun;7(3):145-54

Collateral veins in inferior caval vein occlusion demonstrated via CT. Lien HH, et al. **Eur J Radiol** 1983 Nov;3(4):319-23

Failure of balloon membranotomy of the inferior vena cava. Bar-Meir S, et al. **Isr J Med Sci** 1984 Jul;20(7):618-21

Membranous obstruction of the inferior vena cava: an ultrasound, computed tomography, and inferior vena cavogram image correlation. Gerlock AJ Jr, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):567-9

Computed tomographic demonstration of inferior vena cava invasion in a case of hepatocellular carcinoma. Zerhouni EA, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):363-5

Computed tomographic and ultrasound appearance of Kim-Ray Greenfield vena caval filters and potential for noninvasive localization. Dunne MG, et al. **J Comput Tomogr** 1983 Nov;7(4):375-80

Long-term survival of untreated bilateral renal cell carcinoma with supradiaphragmatic vena caval thrombus. Schorn A, et al. **J Urol** 1984 Jan;131(1):108-9

Ilio-femoral segment and inferior vena cava visualization using a non-catheter technique: an adjunct of leg phlebography. Dure-Smith P, et al. **Radiology** 1984 Oct; 153(1):251-2

Radiological follow-up of transluminally inserted vascular endoprostheses: an experimental study using expanding spirals. Maass D, et al. **Radiology** 1984 Sep;152(3):659-63

The diameter of the inferior vena cava and its implications for the use of vena caval filters. Prince MR, et al. **Radiology** 1983 Dec;149(3):687-9

[Leiomyosarcoma of the inferior vena cava. Role of supplementary tests, apropos of 2 cases] Picard JD, et al. **Chirurgie** 1983;109(4):306-9 (Eng. Abstr.) **(Fre)**

[Inferior vena cava thrombosis responsible for chronic Budd-Chiari syndrome during hepatic and digestive amyloidosis] Paliard P, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):919-22 (Eng. Abstr.) **(Fre)**

[Urographic signs of thrombosis of the inferior vena cava and renal veins] Froment JC, et al. **J Radiol** 1983 Dec; 64(12):729-32 (Eng. Abstr.) **(Fre)**

[Computed x-ray tomography in the detection of venous extension in renal cancer] Barre C, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1043-8 (Eng. Abstr.) **(Fre)**

[Changes in the vena cava in kidney tumors: sonography or cavography?] Umek H, et al. **Ultraschall Med** 1984 Feb; 5(1):33-8 (Eng. Abstr.) **(Ger)**

[Caval neoplastic thrombosis in renal tumors: clinico-therapeutic considerations] Napolitano A, et al. **Ann Ital Chir** 1983;55(4):327-33 (Eng. Abstr.) **(Ita)**

[Echographic study of the inferior vena cava in abdominal neoplastic pathology. Comparison with the inferior cavography] Ziviello M, et al. **Radiol Med (Torino)** 1983 Jun;69(6):401-7 (Eng. Abstr.) **(Ita)**

[Calcified thrombus in the inferior vena cava in children] Gruchalska E. **Pol Przegl Radiol (Warszawa)** 1983 May-Jun;47(3):213-5 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Arteriovenous fistula following renal transplant biopsy. Cooper PH, et al. **Br J Radiol** 1984 Feb;57(674):181-3

Double inferior vena cava and anomalous venous drainage from the left arm. Demonstration by radionuclide angiogram. Rivera JV, et al. **Clin Nucl Med** 1983 Jul; 8(7):306-8

SURGERY

Interruption of the inferior vena cava by clip or filter. Goldhaber SZ, et al. **Am J Med** 1984 Mar;76(3):512-6

Suprarenal vena caval occlusion. Principles of operative management. Smith BM, et al. **Ann Surg** 1984 Jun; 199(6):656-68

Treatment of inferior vena cava obstruction producing Budd-Chiari syndrome. Imaoka S, et al. **Arch Surg** 1984 Aug;119(8):965-8

Membranous obstruction of inferior vena cava. Muralidharan S, et al. **Indian J Chest Dis Allied Sci** 1983 Jul-Sep; 25(3):225-7

Reconstruction of the inferior vena cava with a polytetrafluoroethylene tube graft after resection for hypernephroma of the right kidney. Katz NM, et al. **J Thorac Cardiovasc Surg** 1984 May;87(5):791-7

A ten year follow-up study of the Mobin-Uddin filter for vena cava interruption. McIntyre AB, et al. **Surg Gynecol Obstet** 1984 Jun;158(6):513-6

Polytetrafluoroethylene reconstruction of the inferior vena cava. Dale WA, et al. **Surgery** 1984 May;95(5):625-30

Experimental replacement of the inferior vena cava: factors affecting patency. Gloviczki P, et al. **Surgery** 1984 Jun; 95(6):657-66

Budd-Chiari syndrome with thrombosis of the inferior vena cava: long-term patency of meso-caval and cavoatrial prosthetic bypass. Huguet C, et al. **Surgery** 1984 Jan; 95(1):108-11

Long-term follow-up result of portopulmonary shunt by splenopneumopexy on membranous obstruction of the inferior vena cava. Ono J, et al. **Surgery** 1984 Jan; 95(1):116-20

Results and hemodynamic changes after interposition mesocaval shunt. Reznick RK, et al. **Surgery** 1984 Mar; 95(3):275-80

Effect of venous drainage to the vena cava and denervation on endocrine function of pancreatic segments in dogs. Baumgartner D, et al. **Transplant Proc** 1984 Jun; 16(3):769-72

Management of intravascular nephroblastoma to avoid complications. Gonzalez R, et al. **Urol Clin North Am** 1983 Aug;10(3):407-15

Inferior vena caval replacement after resection of left renal tumor in canine model. Cochran JL, et al. **Urology** 1984 Sep;24(3):262-7

Transcaval posterocranial resection of the liver as treatment of the Budd-Chiari syndrome. Senning A. **World J Surg** 1983 Sep;7(5):632-40

[Pseudoinvasion of the v. cava inferior in kidney carcinoma] Panchev P, et al. **Khirurgiia (Sofiia)** 1983;36(3):275-6 **(Bul)**

[Treatment of obstruction of the hepatic portion of the inferior vena cava with modified bypass graft surgery] Liu WY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep;11(3):169-71 (Eng. Abstr.) **(Chi)**

[Splenocaval shunts in the treatment of portal hypertension] Meng XM. **Chung Hua Wai Ko Tsa Chih** 1983 Apr; 21(4):199-201 **(Chi)**

[Hemodynamic studies of spleno-caval shunt] Tan JS. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):209-10 **(Chi)**

[Left gastric venocaval shunt using autogenous venous graft for portal hypertension] Xiao BX. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):202-3 **(Chi)**

[Side-to-side mesocaval shunt in portal hypertension] Zhang WH. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):193-4 **(Chi)**

[Anesthesiology problems during surgery on the inferior vena cava for prevention of fatal pulmonary embolisms] Skácel J, et al. **Rozhl Chir** 1984 Jan;63(1):18-21 (Eng. Abstr.) **(Cze)**

[Thrombosis of the inferior vena cava downstream of an Adams-De Weese pericaval clip. Apropos of 2 cases] Legroux P, et al. **Ann Chir** 1984 Mar;38(2):149-52 (Eng. Abstr.) **(Fre)**

[Surgical treatment of thromboses of the inferior vena cava] Puglionisi A, et al. **J Chir (Paris)** 1983 Aug-Sep; 120(8-9):481-6 (Eng. Abstr.) **(Fre)**

[Comparative results of the use of Greenfields' filter, an umbrella filter, and a caval clip for vena cava interruption] Milleret R, et al. **J Mal Vasc** 1983;8(3):211-3 (Eng. Abstr.) **(Fre)**

[Partial rupture of a Kimray-Greenfield filter (letter)] Becque O, et al. **Presse Med** 1984 May 19;13(21):1334-5 **(Fre)**

[Floating clot in the suprarenal inferior vena cava. Surgical extraction without extracorporeal circulation] Dartevelle P, et al. **Presse Med** 1984 May 5;13(19):1211-2 (Eng. Abstr.) **(Fre)**

[Kidney cancer invading the inferior vena cava. Thrombectomy and resection of the inferior vena cava with quadruple clamping (letter)] Viard H, et al. **Presse Med** 1983 Dec 17;12(46):2950 **(Fre)**

[Resection of a retrohepatic inferior vena cava during hepatectomy for cancer. Favorable evolution without venous reconstruction] Cunci O, et al. **Sem Hop Paris** 1983 Dec 22;59(48):3367-71 (Eng. Abstr.) **(Fre)**

[Late results of mesocaval and distal splenorenal shunts] Halbfass HJ, et al. **Chirurg** 1984 Apr;55(4):249-52 (Eng. Abstr.) **(Ger)**

[Initial results of mesentericocaval H-shunt in the management of portal hypertension] Kupcsulik P, et al. **Orv Hetil** 1984 Jan 8;125(2):79-81 (Eng. Abstr.) **(Hun)**

[Portasystemic shunts and pregnancy: a case of mesenteric-caval shunt] Pregazzi R, et al. **Minerva Ginecol** 1984 Jun;36(6):321-3 (Eng. Abstr.) **(Ita)**

[Orthotopic liver transplantation in the rat using cuff techniques for anastomoses of three hepatic vessels] Miyata M. **Nippon Geka Gakkai Zasshi** 1983 Oct;84(10):1051-60 (Eng. Abstr.) **(Jpn)**

[Successful extirpation of the right renal cell carcinoma together with the inferior vena cava: report of a case and

review of literature] Afuso H, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):427–35 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of human umbilical cord veins as material for cardiovascular surgery] Andreev ID, et al. **Khirurgiia (Mosk)** 1983 Dec;(12):106–110 **(Rus)**

[Alloprosthesis of the renal veins and inferior vena cava after resecting them from patients with neoplasms of the retroperitoneal space] Shalimov AA, et al. **Klin Khir** 1984 May;(5):34–6 (Eng. Abstr.) **(Rus)**

[Suturing defects of the walls of the right hepatic and inferior caval veins under conditions of retrograde perfusion of the liver] Granov AM, et al. **Vestn Khir** 1984 Jan;132(1):120–1 **(Rus)**

VENA CAVA, SUPERIOR

Superior cava syndrome in benign intrathoracic goiter [letter] Alhajje A, et al. **Acta Clin Belg** 1983;38(6):414–5

Superior vena cava syndrome caused by benign intrathoracic goitre. Rocls P, et al. **Acta Clin Belg** 1983;38(5):329–32

Acute myeloblastic leukaemia presenting with superior vena cava syndrome due to mediastinal mass. Gardella S, et al. **Acta Haematol (Basel)** 1984;71(3):174–7

Comparison of superior vena cava and antecubital vein as DSA injection site. Popky GL, et al. **AJR** 1984 Aug; 143(2):317–9

Communicating hydrocephalus secondary to superior vena caval obstruction. Occurrence after Mustard's operation for transposition of the great arteries. Markowitz RI, et al. **Am J Dis Child** 1984 Jul;138(7):638–41

Operative treatment of refractory superior vena cava syndrome. Gutowicz MA, et al. **Am Surg** 1984 Jul; 50(7):399–401

Fiberoptic stylet laryngoscope and sitting position for tracheal intubation in acute superior vena caval syndrome. Shapiro HM, et al. **Anesth Analg** 1984 Feb;63(2):161–2

Effects of cardiac output on the clearance of air emboli from the superior vena cava. Martin RW, et al. **Anesthesiology** 1984 Jun;60(6):580–6

Thrombotic and infectious complications of Hickman–Broviac catheters. Jacobs MB, et al. **Arch Intern Med** 1984 Aug;144(8):1597–9

Venous thrombosis as a cause of superior vena cava syndrome. Rapid response to streptokinase. Katz PO, et al. **Arch Intern Med** 1983 May;143(5):1050–2

Central venous thrombosis and embolism associated with peritoneovenous shunts. Foley WJ, et al. **Arch Surg** 1984 Jun;119(6):713–20

Follicular carcinoma of the thyroid appearing as an intraluminal superior vena cava tumor. Perez D, et al. **Arch Surg** 1984 Mar;119(3):323–6

Unusual clinical signs complicating tension haemothorax. Banks J, et al. **Br J Dis Chest** 1984 Jul;78(3):272–4

The oscillating 'vena cava syndrome' during quiet standing—an unexpected observation in late pregnancy. Schneider KT, et al. **Br J Obstet Gynaecol** 1984 Aug; 91(8):766–71

Spiral vein graft for obstruction of the superior vena cava: a case report. Miller JD, et al. **Can J Surg** 1983 Nov; 26(6):537–8

Iatrogenic superior vena cava syndrome. A new entity. Bertrand M, et al. **Cancer** 1984 Jul 15;54(2):376–8

Superior vena cava obstruction in small cell bronchogenic carcinoma. Clinical parameters and survival. Maddox AM, et al. **Cancer** 1983 Dec 1;52(11):2165–72

Leiomyosarcoma in the mediastinum presenting as superior vena cava syndrome. Sunderrajan EV, et al. **Cancer** 1984 Jun 1;53(11):2553–6

Severe superior vena cava syndrome and hydrocephalus after the Mustard procedure: findings and a new surgical approach. Coulson JD, et al. **Circulation** 1984 Sep;70(3 Pt 2):147–53

Cavo–portal shunting in superior and inferior vena caval obstruction. Desai AG, et al. **Clin Nucl Med** 1983 Aug; 8(8):365–8

Superior vena caval thrombosis and recurrent pericarditis caused by a bronchogenic cyst. Gayet C, et al. **J Cardiovasc Surg (Torino)** 1984 Jan–Feb;25(1):86–9

A reassessment of the clinical implications of the superior vena caval syndrome. Ahmann FR. **J Clin Oncol** 1984 Aug; 2(8):961–9 (72 ref.)

Clinical features and results of management of superior vena cava syndrome secondary to lymphoma. Perez–Soler R, et al. **J Clin Oncol** 1984 Apr;2(4):260–6

Complications of TPN catheter–induced vena caval thrombosis in children less than one year of age. Mollitt DL, et al. **J Pediatr Surg** 1983 Aug;18(4):462–7

Pulmonary tuberculosis with the superior vena cava syndrome. Montgomery JH, et al. **J Tenn Med Assoc** 1984 Apr;77(4):196–7

Pericardial baffle complications following the Mustard operation. Age–related incidence and ease of management. Cobanoglu A, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):371–8

Treatment of superior vena cava syndrome [letter] Rosenbloom BE, et al. **JAMA** 1984 Mar 2;251(9):1162–3

Direct azygos vein and superior vena cava cannulation for parenteral nutrition. Malt RA, et al. **JPEN** 1983 Nov–Dec; 7(6):580–1

Catheter and cradle: nonsurgical retrieval of foreign bodies. Vieux U, et al. **Mt Sinai J Med (NY)** 1983 May–Jun; 50(3):245–6

Nonsurgical removal of foreign bodies from the superior vena cava and right pulmonary artery. Kang EH, et al. **Nebr Med J** 1983 Nov;68(11):349–53

Right atrial thrombus and superior vena cava syndrome in a child. Graham L Jr, et al. **Pediatrics** 1984 Feb;73(2):225–9

Neoplasia associated superior vena cava syndrome. Presant CA, et al. **Prog Clin Biol Res** 1983;132D:329–36

Surgical, infectious and thromboembolic complications of central venous catheterization. Malatinský J, et al. **Resuscitation** 1983 Aug;10(4):271–81

Venepuncture, catheterization and failure to position correctly during central venous cannulation. Malatinský J, et al. **Resuscitation** 1983 Aug;10(4):259–70

Superior vena–caval obstruction in urban blacks. A report of 82 cases. Conlan AA, et al. **S Afr Med J** 1983 Nov 12;64(21):827–9

Superior vena cava obstruction after Mustard repair of d–transposition of the great arteries. Abbruzzese PA, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(1):5–7

Axillary vein thrombosis simulating superior vena cava syndrome. Dellinger RP, et al. **South Med J** 1984 Apr; 77(4):507–10

Right coronary artery – right atrial fistula and anomalous connection of the superior vena cava to the left atrium of latrogenic origin. Murtra M, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):389–91

Rupture of an aneurysm of the sinus of Valsalva into the superior vena cava. Kaye GC, et al. **Thorax** 1984 Jun; 39(6):475–6

[Superior vena cava syndrome] Vodvářka P, et al. **Vnitr Lek** 1984 Apr;30(4):337–43 (Eng. Abstr.) **(Cze)**

[The superior vena cava syndrome in neoplastic disease] Lund B, et al. **Ugeskr Laeger** 1984 Apr 23;146(17):1281–5 (Eng. Abstr.) **(Dan)**

[Acute thrombosis of the superior vena cava after cardiac surgery] Adam E, et al. **Ann Fr Anesth Reanim** 1984; 3(2):131–3 (Eng. Abstr.) **(Fre)**

[Thrombosis of the superior vena cava] Serradimigni A, et al. **J Mal Vasc** 1984;9 Suppl A:17–9 **(Fre)**

[Superior vena cava syndrome—clinical aspects, etiology and case reports] Serdarevic M, et al. **Radiologe** 1984 Jun; 24(6):286–92 (Eng. Abstr.) **(Ger)**

[Etiology and pathologic anatomy of superior vena cava occlusions] Giampalmo A, et al. **Minerva Chir** 1983 Dec 15–31;38(23–24):1977–82 (Eng. Abstr.) **(Ita)**

[Mediatinitis and thrombosis of the innominate veins and the superior vena cava: a rare complication of ventriculo–atrial shunt] Mariottini A, et al. **Pediatr Med Chir** 1983 Jul–Aug; 5(4):233–5 (Eng. Abstr.) **(Ita)**

[Axillo–femoral vein bypass for superior vena cava syndrome with Gore–tex graft with external ring support] Asada T, et al. **Kyobu Geka** 1984 Jan;37(1):53–6 (Eng. Abstr.) **(Jpn)**

[2 cases of venous thrombosis in long–term transvenous cardiac pacing (letter)] Szuman J, et al. **Pol Tyg Lek** 1983 Aug 29;38(35):1094 **(Pol)**

[Migration of a catheter and its guide in the cardiovascular system after percutaneous canulation of the subclavian vein] Fokin AA, et al. **Khirurgiia (Mosk)** 1984 May;(5):93–6 **(Rus)**

[Current status of the diagnosis and surgical treatment of the superior vena cava syndrome] Shalimov AA, et al. **Klin Khir** 1983 Jul;(7):1–4 (Eng. Abstr.) **(Rus)**

[Catheterization of the superior vena cava by infraclavicular puncture of the subclavian vein. Review of 100 cases] Fuentes Flores F, et al. **Rev Clin Esp** 1983 Jun 15–30; 169(5–6):339–41 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Persistence of the left superior vena cava: a case report. Lembo CM, et al. **Angiology** 1984 Jan;35(1):58–62

Intrapericardial haematic cyst. A rare form of left superior vena cava atresia. Cabrera A, et al. **Br Heart J** 1984 Sep; 52(3):352–3

Endocardial pacing in a patient with sinus node dysfunction and absent right superior vena cava. Ramsdale DR, et al. **Br Heart J** 1984 Aug;52(2):230–2

Duplication of the superior vena cava: detection by radionuclide angiography. Eybalin MC, et al. **Eur J Nucl Med** 1984;9(6):247–9

Absent right superior vena cava. Boyes R, et al. **Intensive Care Med** 1984;10(1):45–6

Anomalous right superior vena cava drainage to the left atrium [letter] Alpert BS, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):467

Anomalous connection of the right superior vena cava to the left atrium [letter] Rao PS. **J Am Coll Cardiol** 1984 Sep;4(3):650–1

Absent right superior vena cava and persistent left superior vena cava. Clinical and surgical considerations. Pugliese P, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr; 25(2):134–7

Total anomalous pulmonary venous drainage into the right superior vena cava. Zoltie N, et al. **J Cardiovasc Surg (Torino)** 1983 Sep–Oct;24(5):537–9

Combined intracardiac and extracardiac repair of scimitar syndrome with anomalous pulmonary veins to both cavae. Cobanoglu A, et al. **J Thorac Cardiovasc Surg** 1984 Jul; 88(1):141–6

A case report of communication of the coronary sinus with both atria associated with persistent left superior vena cava. Mayumi H, et al. **Jpn J Surg** 1984 Jan;14(1):1–5

Direct entry of the right superior vena cava into the left atrium with aneurysmal dilatation and stenosis at its entry into the right atrium with stenosis of the pulmonary veins: a rare case. Bharati S, et al. **Pediatr Cardiol** 1984 Apr–Jun; 5(2):123–6

Persistent left superior vena cava and central venous feeding. Kiely EM, et al. **Z Kinderchir** 1984 Apr;39(2):133–4

[Coarctation of the aorta with abnormal systemic venous return] Belhaj M, et al. **Chirurgie** 1983;109(7):616–8 (Eng. Abstr.) **(Fre)**

[Left superior vena cava, catheterization and diagnosis] Olt IM, et al. **Rev Med Suisse Romande** 1983 Oct;103(10):895–8 **(Fre)**

[Persistent superior vena cava: unusual complication for implantation of an endocavitary permanent pacemaker] Telese M, et al. **Minerva Cardioangiol** 1983 Jul–Aug; 31(7–8):443–8 (Eng. Abstr.) **(Ita)**

[Valve replacement surgery for a case of aortic valve regurgitation associated with persistent left superior vena cava] Ishimaru S, et al. **Kokyu To Junkan** 1984 May; 32(5):523–6 (Eng. Abstr.) **(Jpn)**

[Persistent left superior vena cava] Osawa M, et al. **Kyobu Geka** 1983 Dec;36(11):893–7 (Eng. Abstr.) **(Jpn)**

[An adult case of the right aortic arch and persistent superior vena cava] Sasaki F, et al. **Rinsho Hoshasen** 1984 Feb; 29(2):311–4 (Eng. Abstr.) **(Jpn)**

[Surgical correction of superior vena cava drainage into the left atrium by an intra–atrial approach] Podzolkov VP, et al. **Grudn Khir** 1984 Jul–Aug;(4):5–11 (Eng. Abstr.) **(Rus)**

[Transposition of an anomalous left superior vena cava into the left atrium] Daskalov E, et al. **Khirurgiia (Sofiia)** 1983; 36(2):121–6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

[Venous valves in the large branches of superior vena cava] Anderhuber F. **Acta Anat (Basel)** 1984;119(3):184–92 (Eng. Abstr.) **(Ger)**

INJURIES

Perforation of the superior vena cava: a complication of digital angiography in Ehlers–Danlos syndrome. Driscoll SH, et al. **AJR** 1984 May;142(5):1021–2

Possible hazards from catheter sheath introducers [letter] Roy RC. **Crit Care Med** 1984 Jul;12(7):616

Cardiothoracic emergencies associated with subclavian hemodialysis catheters. Barton BR, et al. **JAMA** 1983 Nov 18;250(19):2660–2

Hydrothorax as a late complication of central venous indwelling catheters. Iberti TJ, et al. **Surgery** 1983 Nov; 94(5):842–6

[Injury of the pulmonary artery, aorta and superior vena cava by a migrating Kirschner's needle] Khlyzov VI, et al. **Vestn Khir** 1983 Jul;131(7):131–2 **(Rus)**

INNERVATION

Extrinsic innervation of the canine superior vena cava, pulmonary, portal and renal veins. Uematsu T, et al. **Angiology** 1984 Aug;35(8):486–93

PATHOLOGY

'Lithiasis' of the tricuspid valve associated with superior vena caval thrombosis and a LeVeen shunt: case report. Reyes CV, et al. **Milit Med** 1984 Apr;149(4):213–5

[Superior vena cava compression syndrome. Apropos of 69 cases] Arriagada R, et al. **Sem Hop Paris** 1983 Oct 13; 59(36):2513–6 (Eng. Abstr.) **(Fre)**

[Superior vena cava syndrome disclosing Behçet's disease] Schneebeli S, et al. **Sem Hop Paris** 1984 Feb 16; 60(8):569–72 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effect of caval occlusion on the magnitude of unipolar atrial electrograms in dogs. Bedont RA, et al. **Am J Physiol** 1983 Oct;245(4):H580–3

Apparent pulse wave velocity in the canine superior vena cava. Minten J, et al. **Cardiovasc Res** 1983 Oct; 17(10):627–32

[Vascular changes in the cerebral cortex in experimental ligation of the superior vena cava] Nasyrova II. **Arkh Anat Gistol Embriol** 1983 Nov;85(11):72–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Superior vena cava syndrome. Its association with indwelling balloon–tipped pulmonary artery catheters. Gore JM, et al. **Arch Intern Med** 1984 Mar;144(3):506–8

Caval stenosis caused by the transvenous pacemaker lead [letter] McKenzie N. **J Thorac Cardiovasc Surg** 1983 Nov; 86(5):791

RADIOGRAPHY

Evaluation of superior vena cava syndrome by axial CT and CT phlebography. Moncada R, et al. **AJR** 1984 Oct; 143(4):731–6

Superior mediastinal obstruction with aortic dissection after aortic valve replacement. Diagnosis by computed tomography. Stone DL, et al. **Br Heart J** 1984 May;

51(5):565–7
Access to the central circulation in the presence of combined superior and inferior vena caval obstruction. Robinson PJ. **Br J Radiol** 1984 Feb;57(674):169–70
Benign iatrogenic cause of mediastinal gas seen on computed tomography. Dickey JE, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):330–1
[Upper esophageal varices. Study of 6 cases and review of the literature] Papazian A, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):903–10 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Superior vena cava obstruction evidenced during a dynamic renal study with Tc-99m diethylenetriaminepentaacetic acid. Chimini G, et al. **Clin Nucl Med** 1984 Feb;9(2):109–10
Particle imaging. Acquired arteriovenous malformations complicating a Glenn anastomosis. Sty JR, et al. **Clin Nucl Med** 1984 Apr;9(4):208–9
Effect of neck position during radionuclide superior cavography. Its value in the diagnosis of superior vena cava obstruction due to retrosternal goiter. Vincken W, et al. **Clin Nucl Med** 1983 Sep;8(9):424–6

SURGERY

Superior vena cava–pulmonary artery anastomosis. Glenn WW. **Ann Thorac Surg** 1984 Jan;37(1):9–11
Use of a dacron prosthesis for relief of superior vena cava obstruction in a child with thymoma. Esposito G, et al. **Ital J Surg Sci** 1983;13(3):239–43
Management of pulmonary arteriovenous fistulas after superior vena cava–right pulmonary artery (Glenn) anastomosis. Gomes AS, et al. **J Thorac Cardiovasc Surg** 1984 Apr;87(4):636–9
Total cavopulmonary shunt operation in complex cardiac anomalies. A new operation. Kawashima Y, et al. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):74–81
Temporary division of the superior vena cava for exceptional mitral valve exposure. Selle JG. **J Thorac Cardiovasc Surg** 1984 Aug;88(2):302–4
[Percutaneous implantation technic for a permanent venous access system to the superior vena cava] Sterz H, et al. **Wien Med Wochenschr** 1984 Apr 15;134(7):171–2 (Eng. Abstr.) **(Ger)**
[Follow-up study of superior vena cava–pulmonary artery anastomosis (Glenn's method) in cyanotic heart disease] Abe T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar; 31(3):315–23 (Eng. Abstr.) **(Jpn)**
[2 cases of malignant thymoma requiring reconstruction of the superior vena cava] Sakurai T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):431–6 (Eng. Abstr.) **(Jpn)**
[Results of surgical treatment of thymoma—including those of vascular reconstruction] Shimizu N, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):424–9 (Eng. Abstr.) **(Jpn)**

VENAE CAVAE

Properties of cultured endothelium from adult human vessels. Fry G, et al. **Arteriosclerosis** 1984 Jan–Feb;4(1):4–13
A simple snare for the retrieval of an embolised central venous cannula. Davies P, et al. **Br J Radiol** 1984 Jan; 57(673):87–8
Aortocaval fistula with aortic aneurysm [letter] **Br J Surg** 1983 Dec;70(12):745–6
Aortocaval fistula [letter] Goodman C, et al. **Br J Surg** 1984 Jan;71(1):81
Dilation angioplasty of congenital or operative narrowings of venous channels. Lock JE, et al. **Circulation** 1984 Sep; 70(3):457–64
What is your diagnosis? Heartworm disease with thromboembolism and vena caval syndrome. Lewis DD, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):227–8
A rare case of extraperitoneal and intracaval rupture of an aortic abdominal aneurysm. Sciannameo F, et al. **Panminerva Med** 1984 Jan–Mar;26(1):41–3
Manipulation of vena cava filters. Locked-catheter technique. Glass TA, et al. **Radiology** 1984 Jan;150(1):258–9
Surgical pros and cons: Improved technique for insertion of Greenfield vena caval filter. Hunter JA. **Surg Gynecol Obstet** 1983 Dec;157(6):569–70
Asymptomatic vena caval fistulization complicating abdominal aortic aneurysm. Weinbaum FI, et al. **Surgery** 1984 Jul;96(1):126–8
[Partial interruption of the vena cava by Greenfield's filter] Gautier R, et al. **Chirurgie** 1984;110(3):316–7 **(Fre)**
[Blue phlebitis and venous gangrene above caval barriers. 3 cases] Langeron P. **Chirurgie** 1984;110(3):313–5 **(Fre)**
[Control of the cava-catheter position using intra-arterial ECG recording] März P, et al. **Anaesthesist** 1984 Feb; 33(2):123–7 (Eng. Abstr.) **(Ger)**
[Percutaneous-peripheral vena cava catheterization in intensive care of premature and newborn infants. Comparison of Shaw's silastic catheter with the customary polyvinyl catheter] Müller WD, et al. **Anaesthesist** 1983 Nov;32(11):545–7 (Eng. Abstr.) **(Ger)**
[Clinical and therapeutic aspects of pelvic vein thrombosis in pregnancy and puerperium] Brandt M, et al. **Zentralbl Gynakol** 1984;106(1):40–5 (Eng. Abstr.) **(Ger)**
[Transvascular removal of catheter fragments from the great vessels and the heart] Tanaka M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Feb;32(2):242–6 (Eng. Abstr.) **(Jpn)**
[Bacteremia due to the use of caval catheters] Bačić A, et al. **Lijec Vjesn** 1983 Nov–Dec;105(11–12):452–4 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

A patient with bilateral superior and inferior caval veins. van Tellingen C, et al. **Int J Cardiol** 1984 Mar;5(3):366–73
Ligation of ductus venosus in a dog, using ultrasonographic guidance. Wrigley RH, et al. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1461–4
Anomalies of the systemic venous return. Tuma S, et al. **Pediatr Radiol** 1977;5(4):193–7

ANATOMY & HISTOLOGY

[The vena cava—reflections on nomenclature] Kaiser E. **Anat Anz** 1984;155(1–5):147–50 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

[Effect of x-ray contrast media on the vena cava endothelium of rats] Gospos C, et al. **ROFO** 1983 Nov;139(5):553–5 (Eng. Abstr.) **(Ger)**

INJURIES

Determinants of survival after vena caval injury. Analysis of a 14-year experience. Kudsk KA, et al. **Arch Surg** 1984 Sep;119(9):1009–12
Successful management of acute traumatic duodenocaval fistula. Hopper J, et al. **J Trauma** 1983 Nov;23(11):1015–6

PATHOLOGY

Factors influencing aortocaval compression in late pregnancy. Milsom I, et al. **Am J Obstet Gynecol** 1984 Mar 15;148(6):764–71
[Aorto-caval fistula secondary to rupture of an abdominal aortic aneurysm] Krasnik M, et al. **Ugeskr Laeger** 1984 Apr 2;146(14):1053–4 (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

Venous pressures in the alert rat: effects of activity and single injections of catecholamines. Aziz O, et al. **Basic Res Cardiol** 1983 Sep–Oct;78(5):583–92
Acid–base status of awake rats after cannulation of aorta and vena cava. Girard P, et al. **Kidney Int** 1983 Dec;24(6):795–9
[Morphological changes in the spinal cord, its meninges and epidural structures in experimental disorders of blood flow in the venae cavae] Petrovskiĭ IN, et al. **Arkh Anat Gistol Embriol** 1984 Feb;86(2):43–50 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Dynamics of right heart flow in patients after Fontan procedure. Nakazawa M, et al. **Circulation** 1984 Feb; 69(2):306–12

SURGERY

Budd–Chiari syndrome. Historical and clinical review with an analysis of surgical corrective procedures. McDermott WV, et al. **Am J Surg** 1984 Apr;147(4):463–7
Arterial reconstruction of the limbs in poor run off conditions and surgical repair of vena cava with expanded PTFE (IMPRA-grafts). Benedetti Valentini F Jr, et al. **Ital J Surg Sci** 1983;13(2):139–47
A new vena caval filter for percutaneous placement and retrieval: experimental study. Lund G, et al. **Radiology** 1984 Aug;152(2):369–72
Indications for vena caval fenestration. Grau MW, et al. **West J Med** 1984 Apr;140(4):573–4
[Analysis of a clinical group of 102 patients within the framework of the surgical prevention of fatal pulmonary embolism from 1971 to 1980] Mayzlík J. **Rozhl Chir** 1983 Jul;62(7):482–7 (Eng. Abstr.) **(Cze)**
[Splenocaval anastomosis: a possible improvement of the Warren intervention] Mosca F, et al. **Minerva Chir** 1983 Oct 31;38(20):1719–21 **(Ita)**

VENEREAL DISEASES

Nosocomial sexually transmitted diseases. Rein MF. **Infect Control** 1984 Mar;5(3):117–22 (37 ref.)
Isolation of Neisseria meningitidis from anogenital sites in adolescents: clinical implications. Jaffe LR, et al. **J Adolesc Health Care** 1983 Sep;4(3):171–3
STD content in school health textbooks: an evaluation using the worth assessment procedure. Kroger F, et al. **J Sch Health** 1984 Jan;54(1):41–4
Symposium on sexually transmitted diseases. **Urol Clin North Am** 1984 Feb;11(1):1–201
Genital herpes simplex virus infections in adults. Mertz G, et al. **Urol Clin North Am** 1984 Feb;11(1):103–19 (129 ref.)
[Unit for the study and therapy of sexually transmitted diseases in Parma. Results and considerations after 1 year of activity] Alinovi A, et al. **G Ital Dermatol Venereol** 1982 Sep–Oct;117(5):301–15 (Eng. Abstr.) **(Ita)**
[Non-gonococcal urethritis and prostatitis. Epidemiologic and etiologic aspects] Greco M. **Recenti Prog Med** 1984 Feb;75(2):101–13 (51 ref.) (Eng. Abstr.) **(Ita)**
[New data on sexually transmitted diseases] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):24–30 (58 ref.) **(Rus)**

CLASSIFICATION

'Non-specific' vaginitis: a non-entity. Gardner HL. **Scand J Infect Dis [Suppl]** 1983;40:7–10

COMPLICATIONS

Long-term follow-up and prognosis of Reiter's syndrome. Csonka GW. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 24–8
Condyloma acuminatum in Rochester, Minn, 1950–1978. II. Anaplasias and unfavorable outcomes. Chuang TY, et al. **Arch Dermatol** 1984 Apr;120(4):476–83
Commonly occurring genital ulcers due to sexually transmitted diseases. **Bol Asoc Med PR** 1984 Mar; 76(3):123–5
Screening for cervical intraepithelial neoplasia and cancer in the Sheffield STD clinic. Alawattegama AB. **Br J Vener Dis** 1984 Apr;60(2):117–20
ABC of sexually transmitted diseases. Complications of common genital infections and infections in other sites. Adler MW. **Br Med J [Clin Res]** 1983 Dec 3; 287(6406):1709–12
Sexually transmitted diseases and infertility. Kramer DG, et al. **Int J Gynaecol Obstet** 1984 Feb;22(1):19–27 (43 ref.)
Long-term complications of infection of the female genital tract by intracellular sexually-transmitted microorganisms: a review. Hare MJ. **J R Soc Med** 1983 Dec;76(12):1045–9 (51 ref.)
Adverse effects of sexually transmitted diseases (STD) in pregnant women. Perine PL. **Med J Zambia** 1983 Jan; 17(1):14–8
Infertility and sexually transmitted disease: a public health challenge. **Popul Rep [L]** 1983 Jul;(4):L114–51
Sexually transmitted organisms and infertility: the proof of the pudding. Cates W Jr. **Sex Transm Dis** 1984 Apr–Jun; 11(2):113–6 (18 ref.)
Sexually transmitted diseases and carcinogenesis. Roseman DS, et al. **Urol Clin North Am** 1984 Feb;11(1):27–43 (88 ref.)
[Sexually transmissible diseases in heroin-addicted prostitutes in Amsterdam 1982] van den Hoek JA, et al. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):272–4 **(Dut)**
[Hepatic involvement in sexually transmissible diseases] Poynard T. **Presse Med** 1984 Apr 28;13(18):1127–8 **(Fre)**

DIAGNOSIS

Sexually transmitted diseases in children. De Jong AR. **Am Fam Physician** 1984 Jul;30(1):185–93
Chancroidal ulcers that are not chancroid. Cause and epidemiology. Salzman RS, et al. **Arch Dermatol** 1984 May; 120(5):636–9
ABC of sexually transmitted diseases. Genital ulceration. Adler MW. **Br Med J [Clin Res]** 1983 Dec 10; 287(6407):1780–1
Diagnostic criteria for primary health care personnel. Portnoy J, et al. **Can J Public Health** 1983 May–Jun; 74(3):157–9
Sexually transmitted disease among homosexuals. Landis SJ. **Can Med Assoc J** 1984 Feb 15;130(4):370–2
Genital ulcers caused by sexually transmitted diseases. Felman YM, et al. **Cutis** 1983 Sep;32(3):228, 231, 234 passim
Common pitfalls in the diagnosis and treatment of sexually transmitted diseases. Felman YM, et al. **Cutis** 1984 Jan; 33(1):28, 30, 32 passim
The clinical spectrum of syphilis in adolescence. Silber TJ, et al. **J Adolesc Health Care** 1984 Apr;5(2):112–6
Sexually transmittable diseases and other genital infections during adolescence. Weinstein AJ. **J Reprod Med** 1984 Jun; 29(6):411–5
Sexually transmitted diseases. Miles PA. **JOGN Nurs** 1984 Mar–Apr;13(2 Suppl):102s–124s
Rapid detection of Chlamydia trachomatis [letter] Berrón S, et al. **Lancet** 1984 Jul 14;2(8394):109–10
Rapid detection of Chlamydia trachomatis with monoclonal antibodies [letter] Mallinson H, et al. **Lancet** 1984 May 26; 1(8387):1180–1
Mucopurulent cervicitis—the ignored counterpart in women of urethritis in men. Brunham RC, et al. **N Engl J Med** 1984 Jul 5;311(1):1–6
Medical memories—tattoos: the last short arm inspection conducted by the Army. Felts JH. **NC Med J** 1984 Apr; 45(4):255–6
Dermatologic diseases of the sexual revolution. Newer aspects and diseases associated with male homosexuality. Webster SB. **Primary Care** 1983 Sep;10(3):429–41
Mycoplasma hominis in cervicitis and endometritis. Paavonen J, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):276–80
Mycoplasma hominis in nonspecific vaginitis. Paavonen J, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):271–5
Isolation of Mycoplasma hominis from genital ulcerations of patients in Eastern and Southern Africa. Piot P, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):285–8
Evaluation and management of acute genital ulcers in sexually active patients. Kraus SJ. **Urol Clin North Am** 1984 Feb;11(1):155–62
Diagnosis and treatment of urethritis in men. Mellors JW. **Yale J Biol Med** 1983 Mar–Apr;56(2):109–19
[Campylobacter in gynecological practice] Mendl V, et al. **Cesk Gynekol** 1983 Nov;48(9):666–71 (Eng. Abstr.) **(Cze)**

[Herpes simplex infection as a sexually transmitted disease] Stary A, et al. **Wien Klin Wochenschr** 1983 Dec 9; 95(23):823–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment guidelines for selected sexually transmitted diseases. Romanowski B, et al. **Can J Public Health** 1983 May–Jun;74(3):166–72

Practical therapeutics: sexually transmitted diseases. Nsanze H. **East Afr Med J** 1983 May;60(5):346–9

Sexually transmitted diseases: treatment guidelines: 1982. U.S. Department of Health and Human Services. **J Reprod Med** 1983 Oct;28(10 Suppl):727–39

Treatment of sexual transmitted diseases. **Med Lett Drugs Ther** 1984 Jan 20;26(653):5–10

Nonspecific vaginitis in an outpatient clinic. Comparison of three dosage regimens of metronidazole. Høvik P. **Scand J Infect Dis [Suppl]** 1983;40:107–10

[Cephalosporin allergy and cephalosporin–penicillin cross allergies with special reference to venereologic therapy of severe anaphylactic reactions] Korting HC. **Hautarzt** 1984 May;35(5):225–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Sexually acquired reactive arthritis. Keat AC, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 52–4

Social and psychological factors in the distribution of STD in male clinic attenders. I Demographic and social factors. Fulford KW, et al. **Br J Vener Dis** 1983 Dec;59(6):376–80

ABC of sexually transmitted diseases. Viral hepatitis. Weller I. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):47–9

Human papillomavirus (HPV) venereal infections and gynecologic cancer. Meisels A, et al. **Pathol Annu** 1983;18 Pt 2:277–93 (87 ref.)

Vaginal candidiasis in a sexually transmitted disease clinic. Goh CL, et al. **Singapore Med J** 1984 Apr;25(2):122–5

Genital warts and molluscum contagiosum. Margolis S. **Urol Clin North Am** 1984 Feb;11(1):163–70 (33 ref.)

[Colonic amebiasis due to venereal transmission. Apropos of 2 cases] Meunier Y, et al. **Sem Hop Paris** 1983 Dec 8;59(45):3137–9 (Eng. Abstr.) **(Fre)**

[Role of Chlamydiae in genital infections in man] Olier C, et al. **Sem Hop Paris** 1983 Oct 27;59(39):2719–24 (25 ref.) (Eng. Abstr.) **(Fre)**

[New immunologic syndrome—AIDS] Mazurkiewicz W. **Przegl Dermatol** 1984 Jan–Feb;71(1):11–5 (29 ref.) **(Pol)**

HISTORY

[Hospital for venereal diseases in Lublin 1832 to 1982] Michalowski R. **Dermatol Monatsschr** 1984;170(4):268–73 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Serum agglutinating and immobilising sperm antibodies in men attending a sexually transmitted diseases clinic. Hargreave TB, et al. **Andrologia** 1984 Mar–Apr;16(2):111–5

Antibodies to cytomegalovirus in homosexual and heterosexual men attending an STD clinic. Mindel A, et al. **Br J Vener Dis** 1984 Jun;60(3):189–92

[Anti-cytomegalovirus antibodies in patients of a clinic for sexually-transmitted diseases] Torregrosa Sánchez R, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec;25(4):231–4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Incidence of Chlamydia trachomatis infection in patients attending a Dublin venereal disease clinic. Mohammed NR, et al. **Ir Med J** 1984 Apr;77(4):102–4

Haemophilus ducreyi and genital ulcers [letter] **Lancet** 1983 Dec 3;2(8362):1302–3

Role of genital mycoplasmas in nongonococcal urethritis and prostatitis. Oriel JD. **Sex Transm Dis** 1983 Oct–Dec;10(4 Suppl):263–70

Enteric pathogenic protozoa in homosexual men from San Francisco. Ortega HB, et al. **Sex Transm Dis** 1984 Apr–Jun; 11(2):59–63

Biology of sexually transmitted diseases. Krieger JN. **Urol Clin North Am** 1984 Feb;11(1):15–25 (20 ref.)

[Venereal perihepatitis. Apropos of 5 cases] Bourgeois N, et al. **Acta Gastroenterol Belg** 1984 Jan–Feb;47(1):11–7 (Eng. Abstr.) **(Fre)**

[Isolation of Chlamydia trachomatis from patients with suspected pathology as a result of sexual contact] Medici MC, et al. **G Ital Dermatol Venereol** 1982 Jul–Aug; 117(4):241–6 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Sexually transmitted diseases: extract from the annual report of the Chief Medical Officer of the Department of Health and Social Security for the year 1982. **Br J Vener Dis** 1984 Jun;60(3):199–203

Sexually transmitted diseases in homosexual men: A study of four societies. Ross MW. **Br J Vener Dis** 1984 Feb; 60(1):52–5

Sexually transmitted disease surveillance in Britain: 1982. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):99–100

Approach to the control of sexually transmitted diseases in developing countries. Osoba AO. **East Afr Med J** 1983 May;60(5):297–302

Sexually transmitted diseases [editorial] Owili PM. **East Afr Med J** 1983 May;60(5):281

Sexually transmitted diseases (STD) in children. Ratnam AV, et al. **East Afr Med J** 1983 Sep;60(9):636–9

Epidemiology of sexually transmitted Chlamydia trachomatis infections. Thompson SE, et al. **Epidemiol Rev** 1983; 5:96–123 (149 ref.)

Prevalence of six sexually transmitted disease agents among pregnant inner-city adolescents and pregnancy outcome. Hardy PH, et al. **Lancet** 1984 Aug 11;2(8398):333–7

Medico-social aspects of a house of prostitution. Donovan B. **Med J Aust** 1984 Mar 3;140(5):272–5

STD in prostitutes [letter] Jones R. **Med J Aust** 1984 Mar 3;140(5):303–4

Sexually transmitted diseases. Hira SK, et al. **Med J Zambia** 1983 Jan;17(1):1

Vaginal Chlamydia trachomatis infection in children with sexual contact. Ingram DL, et al. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):97–9

Pediatric genital infection with Chlamydia trachomatis: statistically nonsignificant, but clinically important. Rettig PJ. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):95–6

Chlamydia trachomatis infection in sexually active adolescents: prevalence and risk factors. Chacko MR, et al. **Pediatrics** 1984 Jun;73(6):836–40

A survey of genital infections in patients attending a clinic for sexually transmitted diseases. Staerfelt F, et al. **Scand J Infect Dis [Suppl]** 1983;40:53–7

Demographic effects on sexually transmitted diseases in the 1970s: the problem could be worse. Aral SO, et al. **Sex Transm Dis** 1983 Apr–Jun;10(2):100–1

Epidemiology of sexually transmitted diseases. Holmes KK, et al. **Urol Clin North Am** 1984 Feb;11(1):3–13 (63 ref.)

[Sexually transmitted diseases in a tropical urban milieu] Riou JY. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):269–75 **(Fre)**

[Gonococcal and nongonococcal urethritis in the male. Apropos of 100 cases treated with doxycycline polyphosphate] Privat Y, et al. **Sem Hop Paris** 1984 Apr 5;60(15):1057–60 (Eng. Abstr.) **(Fre)**

[Urogenital Chlamydia trachomatis infection in a student population] Anestad G, et al. **Tidsskr Nor Laegeforen** 1984 Mar 10;104(7):499–502 (Eng. Abstr.) **(Nor)**

[Recurrent morbidity with venereal diseases among gonorrhea patients] Chuchelin GN. **Vestn Dermatol Venerol** 1983 Jul;(7):30–3 (Eng. Abstr.) **(Rus)**

[Venereological study in Stockholm: 1 in 3 homosexual men had infections requiring treatment] Moberg L, et al. **Lakartidningen** 1984 Jul 25;81(30–31):2747–52 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Urinary tract infection among women attending a clinic for sexually transmitted diseases. Wong ES, et al. **Sex Transm Dis** 1984 Jan–Mar;11(1):18–23

[Genital ulcers] Kavli G. **Tidsskr Nor Laegeforen** 1983 Sep 30;103(27):1882–4 (Eng. Abstr.) **(Nor)**

PREVENTION & CONTROL

STD in British Columbia. Catterall RD. **Br J Vener Dis** 1984 Apr;60(2):127–8

Sexually transmitted diseases in Thailand. Catterall RD. **Br J Vener Dis** 1984 Feb;60(1):62–3

ABC of sexually transmitted diseases. Methods of control. Adler MW. **Br Med J [Clin Res]** 1984 Mar 10; 288(6419):774–7

Epidemiology and control of sexually transmitted diseases. Jessamine AG, et al. **Can J Public Health** 1983 May–Jun; 74(3):163–6

Research on sexually transmitted diseases in Canada. Ronald AR, et al. **Can J Public Health** 1983 May–Jun;74(3):173–5

Education and public awareness of sexually transmitted diseases. Sacks SL, et al. **Can J Public Health** 1983 May–Jun;74(3):176–8

The Arkansas Venereal Disease Program historical sketch and current trends. Van Patten HG. **J Arkansas Med Soc** 1984 Jan;80(8):365–6

Sexually transmitted diseases and family planning. Strange or natural bedfellows? Cates W Jr. **J Reprod Med** 1984 May;29(5):317–22

Circumcision and STD [letter] **Med J Aust** 1984 Jan 7; 140(1):50–1

Prostitution and STD [letter] Donovan B. **Med J Aust** 1984 Apr 28;140(9):561

Prostitution and sexually transmitted disease. Patterson WH. **Med J Aust** 1984 Mar 3;140(5):252–3

New perspectives on control of sexually transmitted diseases: the effects of STD on women and infants. Brown ST. **Med J Zambia** 1983 Jan;17(1):2–4

Should sperm donors be screened for sexually transmitted diseases? [letter] Mascola L, et al. **N Engl J Med** 1983 Oct 27;309(17):1058

Preventive health services: Sexually transmitted disease control. **Public Health Rep** 1983 Sep–Oct;Suppl:49–55

Venereal disease—an increasing problem. Anderson CJ. **S Afr Med J** 1984 Mar 10;65(10):363–4

Effectiveness of the treatment of sexually transmitted diseases instituted by local authorities of the Western Cape. Anderson CJ. **S Afr Med J** 1983 Oct 1;64(15):586–8

[Campaign against sexually transmissible diseases in developing countries] Meheus A, et al. **Ann Soc Belg Med Trop** 1983 Dec;63(4):281–311 (99 ref.) (Fre)

[Activities of the Antivenereal Center of Milan in the field of health education] Alessi E, et al. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):225–6 **(Ita)**

[Methodological notes on health education in the area of venereal diseases] Alinovi A. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):195–6 **(Ita)**

[Definition of health education. Current status of Italian legislation. Structures foreseen by the law] Coppini M, et al. **G Ital Dermatol Venereoi** 1984 May–Jun;119(3):193–4 **(Ita)**

[Study of a sample of students 16 to 20 years of age] Ippolito F, et al. **G Ital Dermatol Venereol** 1984 May–Jun; 119(3):205–10 **(Ita)**

[Knowledge concerning venereal diseases in the Armed Forces] Sabatini C. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):201–4 **(Ita)**

[Formative and informative programs for medical students, physicians and health personnel] Tomassini M, et al. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):227–9 (Eng. Abstr.) **(Ita)**

[Proposal of 3 questionnaires] Varotti C, et al. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):211–24 **(Ita)**

[Survey on the knowledge of the public at large on sexually transmitted diseases in Puglia] Vena GA, et al. **G Ital Dermatol Venereol** 1984 May–Jun;119(3):197–9 **(Ita)**

[Socio–epidemiologic characteristics of patients with syphilis and gonorrhea in recurrent venereal diseases] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1983 Oct;(10):27–30 (Eng. Abstr.) **(Rus)**

[Original Soviet complex of substances cidizol–KV for individual prevention of venereal diseases] Kravchenko VG. **Vestn Dermatol Venerol** 1984 Jun;(6):34–8 (Eng. Abstr.) **(Rus)**

[Principles of health education of patients in venereological hospitals] Lozovskaia AS. **Vestn Dermatol Venerol** 1983 Oct;(10):25–7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Venereophobia. Oates JK, et al. **Br J Hosp Med** 1984 Jun; 31(6):435–6 (5 ref.)

Social and psychological factors in the distribution of STD in male clinic attenders. II Personality disorders, psychiatric illness, and abnormal sexual attitudes. Fulford KW, et al. **Br J Vener Dis** 1983 Dec;59(6):381–5

Social and psychological factors in the distribution of STD in male clinic attenders. III Sexual activity. Fulford KW, et al. **Br J Vener Dis** 1983 Dec;59(6):386–93

Sociological and psychological predictors of STD infection in homosexual men: a study of four countries. Ross MW. **Br J Vener Dis** 1984 Apr;60(2):110–3

THERAPY

A survey of sexually transmitted disease centres in Australia. Bradford DL, et al. **Br J Vener Dis** 1983 Oct;59(5):330–4

ABC of sexually transmitted diseases. Vaginal discharge—management. Adler MW. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1611–3

ABC of sexually transmitted diseases. A changing and growing problem. Adler MW. **Br Med J [Clin Res]** 1983 Oct 29;287(6401):1279–81

ABC of sexually transmitted diseases. Pregnancy and the neonate. Adler MW. **Br Med J [Clin Res]** 1984 Feb 25; 288(6417):624–7

Sexually transmitted diseases: a time for action. Romanowski BB. **Can J Public Health** 1983 May–Jun;74(3):153–6 **(Eng, Fre)**

Sexually transmissible diseases in Ireland. Verling WH. **Ir Med J** 1983 Oct;76(10):409–10

TRANSMISSION

Contact tracing in hepatitis B infection. Munday PE, et al. **Br J Vener Dis** 1983 Oct;59(5):314–6

Sexual transmission of Strongyloides stercoralis among homosexual men [letter] Sorvillo F, et al. **Br J Vener Dis** 1983 Oct;59(5):342

Health advisers (contact tracers) in sexually transmitted disease. Thin RN. **Br J Vener Dis** 1984 Aug;60(4):269–72

Role of prostitution in sexually transmitted disease [letter] White FM. **Can Med Assoc J** 1984 Feb 1;130(3):253

Transmission studies with the contagious equine metritis bacterium in albino Swiss mice. Timoney PJ, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(3):227–34

Sexually transmitted diseases: the national view. Cates W Jr. **Cutis** 1984 Jan;33(1):69–72, 74–5, 77–8 passim

Molluscum contagiosum. Felman YM. **Cutis** 1984 Jan; 33(1):113–4, 117

Current views of scabies and Pediculosis pubis. Orkin M, et al. **Cutis** 1984 Jan;33(1):85–8, 90, 92–6 passim

Sexually transmitted diseases and pregnancy. Osborne NG, et al. **JOGN Nurs** 1984 Jan–Feb;13(1):9–12

Sexually transmitted enteritis. Lane RA. **Md State Med J** 1983 Sep;32(9):697–8

Circumcision and sexually transmissible disease. Parker SW, et al. **Med J Aust** 1983 Sep 17;2(6):288–90

STD and prostitution [letter] Philpot CR. **Med J Aust** 1984 Mar 31;140(7):442

Sexually transmitted diseases in homosexual men. Wolbert J. **Nurse Pract** 1983 Oct;8(9):35–42
Nonsexual transmission of sexually transmitted diseases: an infrequent occurrence. Neinstein LS, et al. **Pediatrics** 1984 Jul;74(1):67–76
Homosexually transmitted infections. Fluker JL. **Praxis** 1983 Jul 26;72(30):997–9
Hepatitis B as a sexually transmitted disease in a black South African population. Wilkinson R. S **Afr Med J** 1984 Jun 16;65(24):954–5
Intestinal parasitic infection and other sexually transmitted diseases in asymptomatic homosexual men. Håkansson C, et al. **Scand J Infect Dis** 1984;16(2):199–202
Sexually transmitted diseases and homosexuality. Ostrow DG, et al. **Sex Transm Dis** 1983 Oct–Dec;10(4):208–15 (52 ref.)
Maternal and infant sexually transmitted diseases. Alexander ER. **Urol Clin North Am** 1984 Feb;11(1):131–9 (42 ref.)
Scabies and pediculosis pubis. Crissey JT. **Urol Clin North Am** 1984 Feb;11(1):171–6 (22 ref.)
Sexually transmitted viral hepatitis and enteric pathogens. Judson FN. **Urol Clin North Am** 1984 Feb;11(1):177–85 (47 ref.)
Sexually transmitted vaginitis. Lossick JG. **Urol Clin North Am** 1984 Feb;11(1):141–53 (63 ref.)
[Amebiasis as a sexually transmitted disease] Christophersen J, et al. **Ugeskr Laeger** 1983 Dec 19;145(51):3990–2 (Eng. Abstr.) **(Dan)**
[Hepatitis B transmitted by sexual contact] Svendsen I. **Ugeskr Laeger** 1983 Sep 26;145(39):3020–1 (Eng. Abstr.) **(Dan)**
[Sexually transmitted virus diseases and genital Chlamydia infections] **Hautarzt** 1983;34 Suppl 6:159–78 **(Ger)**
[Sexually transmitted infections diseases of the anus and the rectum] Rufli T. **Praxis** 1983 Jul 26;72(30):1000–8 (Eng. Abstr.) **(Ger)**
[Balanoposthitis caused by Streptococcus pyogenes following sexual intercourse] Füzi M, et al. **Orv Hetil** 1984 Jan 22; 125(4):217–9 (Eng. Abstr.) **(Hun)**

VETERINARY

Clinical course and treatment of venereal spirochaetosis in New Zealand white rabbits. DiGiacomo RF, et al. **Br J Vener Dis** 1984 Aug;60(4):214–8
[Venereal Campylobacter infection of cattle from the practicing veterinarian's viewpoint] Dedié K, et al. **Tierarztl Prax** 1983;11(4):441–8 **(Ger)**

VENEREAL TUMORS, TRANSMISSIBLE see **VENEREAL TUMORS, VETERINARY**

VENEREAL TUMORS, VETERINARY

IMMUNOLOGY

Lack of beta 2-microglobulin on the surface of canine transmissible venereal tumor cells. Cohen D, et al. **JNCI** 1984 Feb;72(2):395–401

RADIOGRAPHY

Transmissible venereal tumor of the soft palate in a dog. Bright RM, et al. **J Am Vet Med Assoc** 1983 Oct 15; 183(8):893–5

THERAPY

Treatment of canine transmissible venereal tumor by intravenous administration of protein A. Cohen D, et al. **J Biol Response Mod** 1984;3(3):271–7
Adsorption of plasma from tumor-bearing hosts over protein A—containing nonviable Staphylococcus aureus Cowan I: possible mechanism of antitumor reactions. Ray PK, et al. **J Biol Response Mod** 1984;3(3):293–302

ULTRASTRUCTURE

Canine transmissible venereal sarcoma: tumor cell and infiltrating leukocyte ultrastructure at different growth stages. Hill DL, et al. **Vet Pathol** 1984 Jan;21(1):39–45

VENEREOLOGY

see related
VENEREAL DISEASES

[Problems of the creative search in dermatovenereology] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1984 Feb; (2):28–31 (Eng. Abstr.) **(Rus)**

EDUCATION

[Experience with the work of obstetric-gynecologic interns in the department of dermatologic and venereal diseases] Khamaganova AV, et al. **Vestn Dermatol Venerol** 1983 Jul; (7):27–30 (Eng. Abstr.) **(Rus)**
[Problem-oriented teaching in dermato-venereology] Tumasheva NI. **Vestn Dermatol Venerol** 1983 Sep;(9):30–1 (Eng. Abstr.) **(Rus)**
[Experience with the sex education of medical students] Tumasheva NI. **Vestn Dermatol Venerol** 1983 Oct;(10):22–5 (Eng. Abstr.) **(Rus)**

HISTORY

The emergence of a specialty. Catterall RD. **Sex Transm Dis** 1983 Apr–Jun;10(2):85–92
[The activity of the first three titular professors of dermato-venereologic clinics: Gh. Demetriade, E.I. Mironescu and Gh. Nastase (1901–1962)] Costea V. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):149–55 **(Rum)**
[Dermato-venereology in Jassy in the last 20 years (1962–1982)] Dobrescu AL. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):156–66 **(Rum)**
[Establishment of dermato-venereologic clinics in Jassy and activity during the period of the acting professors (1882–1901)] Munteanu M. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):141–8 **(Rum)**
[Contribution of Abu Ali ibn Sina to dermato-venereology] Belova LV, et al. **Vestn Dermatol Venerol** 1983 Dec; (12):60–4 **(Rus)**
[P.P. Zablotskiĭ–Desiatovskiĭ and his role in the development of venereology in Russia (on the centenary of his death)] Il'in II, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):59–60 **(Rus)**
[History of research in the field of Russian venereology (19th century)] Mirakian ME. **Vestn Dermatol Venerol** 1984 Jul; (7):72–5 **(Rus)**
[60th anniversary of the Department of Skin and Venereal Diseases of the Minsk Medical Institute] Sosnovskiĭ AT, et al. **Vestn Dermatol Venerol** 1984 Jan;(1):66–9 **(Rus)**

VENOGRAPHY see **PHLEBOGRAPHY**

VENOMS

see related
ANTIVENINS

1982 bibliographic index: poisons, toxins and venoms of natural origin. **Toxicon** 1984;22(4):491–624
[Epidemiology of envenomation in French Guiana] Chippaux JP, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr; 77(2):206–15 (Eng. Abstr.) **(Fre)**

ANALYSIS

Characterization of lizard venom hyaluronidase and evidence for its action as a spreading factor. Tu AT, et al. **Comp Biochem Physiol [B]** 1983;76(2):377–83
Purification of a novel pancreatic secretory factor (PSF) and a novel peptide with VIP- and secretin-like properties (helodermin) from Gila monster venom. Vandermeers A, et al. **FEBS Lett** 1984 Jan 30;166(2):273–6
Progress in the characterization of venoms and standardization of antivenoms. **WHO Offset Publ** 1981; (58):1–44

ENZYMOLOGY

Phospholipase A2 activity of pancreatic secretory factor, a new secretagogue isolated from the venom of Heloderma suspectum. Dehaye JP, et al. **FEBS Lett** 1984 Jul 9; 172(2):284–8

IMMUNOLOGY

Allergens in hymenoptera venom XII: how much protein is in a sting? Hoffman DR, et al. **Ann Allergy** 1984 Apr; 52(4):276–8
Detection of common antigenic sites in lethal proteins of non-related animal venoms. Russo AJ, et al. **Toxicon** 1983; 21(3):433–7

METABOLISM

Specific labelling by [125I]helodermin of high-affinity VIP receptors in rat liver membranes. Robberecht P, et al. **FEBS Lett** 1984 Jun 25;172(1):55–8

PHARMACODYNAMICS

Interaction of Gila monster venom with VIP receptors in intestinal epithelium of human. A comparison with rat. Amiranoff B, et al. **FEBS Lett** 1983 Dec 12;164(2):299–302
Pancreatic secretory factor (PSF), a protein from Gila monster venom stimulating enzyme secretion from rat pancreatic acini. Dehaye JP, et al. **FEBS Lett** 1984 Jan 30;166(2):283–7
Evidence that helodermin, a newly extracted peptide from Gila monster venom, is a member of the secretin/VIP/PHI family of peptides with an original pattern of biological properties. Robberecht P, et al. **FEBS Lett** 1984 Jan 30; 166(2):277–82

TOXICITY

Hepatotoxicity of hornet's venom sac extract, after repeated in vivo and in vitro envenomation. Neuman MG, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Oct;53(4):314–9

VENOUS INSUFFICIENCY

BLOOD

Effect of venous stasis on vessel wall fibrinolysis. Stenberg B, et al. **Thromb Haemost** 1984 Apr 30;51(2):240–2

COMPLICATIONS

Keratoacanthoma arising in stasis dermatitis. Harari Z, et al. **Dermatologica** 1983;167(6):322–5
Periostitis. A manifestation of venous disease and skeletal hyperostosis. Dannels EG, et al. **J Am Podiatry Assoc** 1983 Sep;73(9):461–4
[Note on the mixed nature, hematic and melanic, of pigmentations in phlebology] Chatard H, et al. **Phlebologie** 1983 Oct–Dec;36(4):303–6 (Eng. Abstr.) **(Fre)**
[Is the pigmentation a characteristic sign for chronic venous insufficiency?] Klüken N, et al. **Phlebologie** 1983 Oct–Dec; 36(4):315–20 (Eng. Abstr.) **(Fre)**
[Contact sensitization in a chronic venous insufficiency syndrome with ulcerative lesions] Valsecchi R, et al. **G Ital Dermatol Venereol** 1982 Mar–Apr;117(2):123–5 (Eng. Abstr.) **(Ita)**
[Neurologic disorders in chronic venous insufficiency of the lower extremities (clinico-electroneuromyographic study)] Gorbunov FE, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):28–34 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Application of a simplified physical model to the plethysmographic study of the leg venous outflow. Zicot M. **Acta Cardiol (Brux)** 1984;39(1):65–72
Assessment of chronic venous insufficiency using dynamic venous pressure studies. Randhawa GK, et al. **Am J Surg** 1984 Aug;148(2):203–9
Deep posterior compartment pressure in the evaluation of venous insufficiency of the lower extremity—a preliminary report. Taheri SA, et al. **Angiology** 1984 Mar;35(3):173–6
Noninvasive evaluation of chronic venous insufficiency. Use of foot mercury strain-gauge plethysmography. Schanzer H, et al. **Arch Surg** 1984 Sep;119(9):1013–7
The use of directional Doppler ultrasound in the assessment of saphenofemoral incompetence. Chan A, et al. **Aust NZ J Surg** 1983 Oct;53(5):399–402
Deep venous insufficiency after postoperative thrombosis diagnosed with 125I-labelled fibrinogen uptake test. Lindhagen A, et al. **Br J Surg** 1984 Jul;71(7):511–5
Quantitative photoplethysmography in chronic venous insufficiency: a new method of noninvasive estimation of ambulatory venous pressure. Norris CS, et al. **Surgery** 1983 Nov;94(5):758–64
[Evaluation of methods for the determination of venous insufficiency of the lower extremities] Barták J, et al. **Sb Lek** 1983 Oct;85(9–10):251–4 (Eng. Abstr.) **(Cze)**
[Venous heavy legs] Gournay J. **J Mal Vasc** 1984;9 Suppl A:39–42 **(Fre)**
[Apropos of the Mali syndrome] Desmons F, et al. **Phlebologie** 1983 Oct–Dec;36(4):329–36 (Eng. Abstr.) **(Fre)**
[Initial study of the venous disease patient] Hach W, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1465–70 **(Ger)**
[Doppler diagnosis in the localization of incompetent perforating veins] Alberti D, et al. **Arch Sci Med (Torino)** 1983 Oct–Dec;140(4):357–9 (Eng. Abstr.) **(Ita)**
[Telethermographic study of the syndrome of chronic venous insufficiency of the lower extremities] Lucardi C, et al. **Minerva Cardioangiol** 1983 Nov;31(11):603–9 (Eng. Abstr.) **(Ita)**
[Current diagnosis of venous diseases of the lower limbs] Belcaro G, et al. **Minerva Med** 1984 Jun 16;75(25):1493–500 (Eng. Abstr.) **(Ita)**
[Doppler ultrasound in the study of renal-spermatic vein reflux in patients with left varicocele] Farnetti F, et al. **Minerva Urol** 1983 Oct–Dec;35(4):279–84 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

General practice treatment of symptoms of venous insufficiency with oxerutins. Results of a 660 patient multicentre study in the UK. Pulvertaft TB. **Vasa** 1983; 12(4):373–6
[Effect of a combination of furosemid retard and triamteren in congestive edema] Jablonski K, et al. **Med Welt** 1984 Feb 3;35(5):160–2 **(Ger)**
[Treatment of chronic venous insufficiency in concomitant hypotension] Wiemers U, et al. **Z Arztl Fortbild (Jena)** 1984; 78(8):315–6 **(Ger)**
[Venous disease. Guidelines for drug therapy] Schmitz R. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1471–3 **(Ger)**
[Treatment of chronic venous insufficiency with phlebotropic drugs] Montagnani A. **Clin Ter** 1984 Jan 31;108(2):91–8 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Insufficient venous drainage following axillary approach to brachial plexus blockade. Restelli L, et al. **Br J Anaesth** 1984 Sep;56(9):1051–3
[Cockett's syndrome. Clinical and radiologic aspects] Ducolone A, et al. **Poumon Coeur** 1983;39(3):137–8 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[Prevalence, risk factors and complications of peripheral venous diseases in the Munich population] Eberth-Willershausen W, et al. **Hautarzt** 1984 Feb;

35(2):68–77 (Eng. Abstr.) (Ger)

PATHOLOGY

Muscle changes in venous insufficiency. Taheri SA, et al. **Arch Surg** 1984 Aug;119(8):929–31

[Electron microscopy study of insufficient great saphenous veins] Klug H, et al. **Zentralbl Allg Pathol** 1983; 128(3–4):217–25 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

The oscillating 'vena cava syndrome' during quiet standing—an unexpected observation in late pregnancy. Schneider KT, et al. **Br J Obstet Gynaecol** 1984 Aug; 91(8):766–71

Transcapillary and interstitial diffusion of Na–fluorescein in chronic venous insufficiency with white atrophy. Bollinger A, et al. **Int J Microcirc Clin Exp** 1982;1(1):5–17

Acute venous stasis and chronic venous insufficiency models in rats. Nordmann H, et al. **Methods Find Exp Clin Pharmacol** 1983 Jul–Aug; 5(6):347–55

Intramuscular pressure, blood flow, and skeletal muscle metabolism in patients with venous claudication. Qvarfordt P, et al. **Surgery** 1984 Feb;95(2):191–5

[Multisegmental dynamic plethysmography for noninvasive study of venous function with special reference to exercise hyperemia] Franzeck UK, et al. **Schweiz Med Wochenschr** 1983 Oct 29;113(43):1580–5 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Assessment of deep venous insufficiency by ascending phlebography. Lundström B, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):375–9

[X-ray semeiotics of chronic venous insufficiency of the lower extremities] Varshavskii IM, et al. **Klin Khir** 1983 Jul;(7):75–6 (Rus)

RADIONUCLIDE IMAGING

[Venous claudication] Perhoniemi V, et al. **Duodecim** 1984; 100(8):488–94 (Fin)

REHABILITATION

[Physical therapy in venous diseases] Koenitz H, et al. **Z Arztl Fortbild (Jena)** 1984;78(3):311–4 (Ger)

[Prevention of disability and occupational expert testimony in post–thrombophlebitis syndrome of the lower limbs] Murav'ev MF, et al. **Vestn Khir** 1984 May;132(5):117–20 (Rus)

SURGERY

Incompetent perforating veins subfascial ligation as an important adjunct to venous surgery of the lower extremities: evaluation of surgical results. Agrifoglio G, et al. **Ital J Surg Sci** 1983;13(3):245–8

[Application of a muscular loop formed by the semitendinosus and biceps femoris muscles in treating valvular incompetence of deep veins of the lower extremity] Sun JM. **Chung Hua Wai Ko Tsa Chih** 1984 Mar; 22(3):160–3 (Eng. Abstr.) (Chi)

[Treatment of the postthrombotic syndrome by the 2d technic of popliteal vein valve substitution. Comparative results of measurements of peripheral venous pressure before and after surgery] Psathakis N. **Phlebologie** 1983 Jul–Sep; 36(3):255–64 (Fre)

[Therapy of chronic intrafascial venous insufficiency] Lehnert W, et al. **Z Arztl Fortbild (Jena)** 1984;78(8):329–30 (Ger)

[Disability evaluation and rehabilitation of patients with chronic venous insufficiency] Borodin AK. **Khirurgiia (Mosk)** 1984 May;(5):83–6 (Rus)

THERAPY

[Lymphostasis and the venous wall. Therapeutic implications] Gournay J. **Phlebologie** 1984 Apr–Jun; 37(2):201–5 (Eng. Abstr.) (Fre)

[Elastic compression by calibrated bandage] Parpex P. **Phlebologie** 1984 Apr–Jun;37(2):225–8 (Eng. Abstr.) (Fre)

[Improving the venous pumping function in chronic venous insufficiency by compression as dependent on pressure and material] Partsch H. **Vasa** 1984;13(1):58–64 (Eng. Abstr.) (Ger)

[Clinico–biological aspects of the action of a magnetic field in chronic venous insufficiency] Zhukov BN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jan–Feb; (1):27–30 (Eng. Abstr.) (Rus)

VENOUS PRESSURE

Sustained venous occlusion plethysmography: effects on protein osmotic pressure, intravascular volume, and capillary filtration. Dittrich HC, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):548–53

Cessation of arterial and venous flow at a finite driving pressure in porcine coronary circulation. Bellamy RF, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):H525–31

Assessment of chronic venous insufficiency using dynamic venous pressure studies. Randhawa GK, et al. **Am J Surg** 1984 Aug;148(2):203–9

Venous pressure and arm volume changes during simulated Bier's block. El–Hassan KM, et al. **Anaesthesia** 1984 Mar; 39(3):229–35

Venous pressures during simulated Bier's block. Lawes EG, et al. **Anaesthesia** 1984 Feb;39(2):147–9

Noninvasive venous pressure measurements in different venous diseases. A new case collection. Bartolo M, et al. **Angiology** 1983 Nov;34(11):717–23

Comparison of internal jugular and central venous pressure measurements. Reynolds AD, et al. **Br J Anaesth** 1984 Mar; 56(3):267–9

A telemetric technique for studies of venous pressure in the human leg during different positions and activities. Noddeland H, et al. **Clin Physiol** 1983 Dec;3(6):573–6

Hemodynamic studies in acute venous stasis edema in rats. Nordmann H, et al. **Experientia** 1984 Apr 15;40(4):346–8

Reassessing portal venous pressure measurements. Groszmann RJ. **Gastroenterology** 1984 Jun;86(6):1611–4

Direct transhepatic assessment of hepatic vein pressure and direction of flow using a thin needle in patients with cirrhosis and Budd–Chiari syndrome. An effective alternative to hepatic vein catheterization. Rector WG Jr, et al. **Gastroenterology** 1984 Jun;86(6):1395–9

Pulmonary arterial and venous pressures measured with small catheters in dogs. Michel RP, et al. **J Appl Physiol** 1984 Aug;57(2):309–14

Retroglenoid venoconstriction and its influence on canine intracranial venous pressures. Pearce WJ, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):373–80

Pressure gradient and blood flow in human arm veins—a proposed explanation of the pumping mechanism. Watanabe R, et al. **Jpn Circ J** 1984 May;48(5):427–38

The free portal pressure in awake patients with and without cirrhosis of the liver. Christensen U, et al. **Liver** 1983 Jun; 3(3):147–50

Relationship between lymphatic and venous pressure in normal and lymphedematous rabbit ears. Huang GK, et al. **Microsurgery** 1984;5(1):36–9

Venous pressure in man during weightlessness. Kirsch KA, et al. **Science** 1984 Jul 13;225(4658):218–9

Quantitative photoplethysmography in chronic venous insufficiency: a new method of noninvasive estimation of ambulatory venous pressure. Norris CS, et al. **Surgery** 1983 Nov;94(5):758–64

[Measuring venous pressure with the Doppler technic: standardization of the method] Bartolo M, et al. **Phlebologie** 1984 Jan–Mar;37(1):97–101 (Eng. Abstr.) (Fre)

[Measuring venous pressure with the Doppler technic statistical data] Bartolo M, et al. **Phlebologie** 1984 Jan–Mar; 37(1):103–8 (Eng. Abstr.) (Fre)

[Measurement of venous pressure by the pneumatic captor and transmitter. Experimental study] Mosimann R, et al. **Schweiz Med Wochenschr** 1983 Oct 1;113(39):1394–6 (Eng. Abstr.) (Fre)

[Venous and intragastral pressure measurements in surgical correction of abdominal wall defects] Rothe K, et al. **Z Kinderchir** 1984 Feb;39(1):15–8 (Eng. Abstr.) (Ger)

[How reliable is non–invasive measuring of central venous pressure using the Doppler ultrasound probe?] Wayand W, et al. **Zentralbl Chir** 1983;108(18):1137–43 (Eng. Abstr.) (Ger)

[Effect of lower extremity exercise on plasma catecholamine and peripheral venous pressure] Ishimura K, et al. **Kokyu To Junkan** 1983 Nov;31(11):1195–7 (Jpn)

[Measurement of peripheral venous pressure using Doppler ultrasound] Bala IuM, et al. **Kardiologiia** 1983 Oct; 23(10):61–2 (Eng. Abstr.) (Rus)

[Vascular resistance response to increased outflow venous pressure in the isolated and intact small intestine] Török J, et al. **Bratisl Lek Listy** 1984 Mar;81(3):282–93 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Changes in local venous tone in response to infusions of saline and dextrose solutions. Lewis GB, et al. **Anaesth Intensive Care** 1984 Feb;12(1):27–32

Clinical pharmacological aspects of dihydroergotamine timed release: activity on monoamine venospasm. Franchi G, et al. **Cephalalgia** 1983 Aug;3 Suppl 1:185–8

Discrepancy between wedged hepatic venous pressure and portal venous pressure after acute propranolol administration in patients with alcoholic cirrhosis. Valla D, et al. **Gastroenterology** 1984 Jun;86(6):1400–3

VENOUS PRESSURE, CENTRAL see **CENTRAL VENOUS PRESSURE**

VENOUS THROMBOSIS see **THROMBOPHLEBITIS**

VENTILATION

A tracer method for quantifying contamination of building supply air: reentrainment of laboratory hood exhausts. Barnett JL, et al. **Am Ind Hyg Assoc J** 1983 Aug; 44(8):580–2

Safe decontamination of hospital autopsy rooms and ventilation system by formaldehyde generation. Coldiron VR, et al. **Am Ind Hyg Assoc J** 1984 Feb;45(2):136–7

Capture efficiency of local exhaust ventilation systems. Ellenbecker MJ, et al. **Am Ind Hyg Assoc J** 1983 Oct; 44(10):752–5

Laminar–airflow equipment certification: what the pharmacist needs to know. Bryan D, et al. **Am J Hosp Pharm** 1984 Jul;41(7):1343–9

Inaccuracies in vertical–airflow workbench article [letter] Marback RC. **Am J Hosp Pharm** 1984 Jul;41(7):1316, 1321

Ventilation and air conditioning—a primer for nonengineers. Mallison GF. **Am J Infect Control** 1984 Jun;12(3):200–3

The control of microbiological hazards associated with air–conditioning and ventilation systems. Ager BP, et al. **Ann Occup Hyg** 1983;27(4):341–58 (40 ref.)

Modification of animal room odor by passing the room supply air through a complex electrical field. Frey AH. **Bull Environ Contam Toxicol** 1983 Dec;31(6):699–704

The impact of different ventilation levels and fluorescent lighting types on building illness: an experimental study. Sterling E, et al. **Can J Public Health** 1983 Nov–Dec; 74(6):385–92

A comparison between tracer gas and tracer particle techniques in evaluating the efficiency of ventilation in operating theatres. Andersson PA, et al. **J Hyg (Lond)** 1983 Dec;91(3):509–19

A forced–air individually ventilated caging system for rodents. Keller GL, et al. **Lab Anim Sci** 1983 Dec; 33(6):580–2

Effect of bedding changes and room ventilation rates on blood and brain ammonia levels in normal rats and rats with portacaval shunts. White WJ, et al. **Lab Anim Sci** 1984 Feb;34(1):49–52

Evaluation of a cubicle containment system in preventing gaseous and particulate airborne cross–contamination. White WJ, et al. **Lab Anim Sci** 1983 Dec;33(6):571–6

Using conservation of mass improves silica dust ventilation. Burton DJ. **Occup Health Saf** 1984 May;:66

Tight building syndrome: when work makes you sick. Hicks JB. **Occup Health Saf** 1984 Jan;:51–6

Ventilation, air hygiene and animal health. Wathes CM, et al. **Vet Rec** 1983 Dec 10;113(24):554–9

[Calculation of water vapor formation in a swine–fattening stall by determination of the rate of airflow over the carbon dioxide scale] Hilliger HG. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):55–7 (Eng. Abstr.) (Ger)

[A new system for aerating airtight protective clothing such as gloves, boots and suits] Noack F. **Derm Beruf Umwelt** 1984;32(3):99–101 (Eng. Abstr.) (Ger)

[Anesthetic gases: efficacy of various antipollution systems for operating rooms] Minisci S, et al. **Med Lav** 1984 Mar–Apr;75(2):139–43 (Eng. Abstr.) (Ita)

[Device for emergency ventilation of inoculation chambers, used in a chronic toxicological experiment] Zagoskin PP. **Gig Sanit** 1983 Dec;(12):39–40 (Rus)

[Effect of ventilation systems on the dust content of the air between the vent blades] Grebtsov EM, et al. **Gig Tr Prof Zabol** 1983 Sep;(9):43–4 (Rus)

[Increasing the efficiency of exhaust hoods] Grinberg AA, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):46–8 (Rus)

STANDARDS

Evaluation of industrial local exhaust hood efficiency by a tracer gas technique. Hampl V. **Am Ind Hyg Assoc J** 1984 Jul;45(7):485–90

VENTILATION, MECHANICAL see **RESPIRATION, ARTIFICIAL**

VENTILATION, MIDDLE EAR see **MIDDLE EAR VENTILATION**

VENTILATION–PERFUSION RATIO

see related
PULMONARY CIRCULATION

Effects of oxygen on central haemodynamics and VA/Q distribution after coronary bypass surgery. Anjou–Lindskog E, et al. **Acta Anaesthesiol Scand** 1983 Oct;27(5):378–84

Differential ventilation and selective PEEP during anaesthesia in the lateral decubitus posture. Baehrendtz S, et al. **Acta Anaesthesiol Scand** 1984 Jun;28(3):252–9

Ventilation–perfusion relationships during epidural analgesia. Lundh R, et al. **Acta Anaesthesiol Scand** 1983 Oct; 27(5):410–6

Arterial hypoxemia in patients with hepatic cirrhosis. Furukawa T, et al. **Am J Med Sci** 1984 May–Jun; 287(3):10–3

Pulmonary artery stenosis resulting in ventilation–perfusion mismatch in a young female. Paolozzi FP, et al. **Am J Med Sci** 1984 Jan–Feb;287(1):53–6

Topographic distribution of pulmonary ventilation and perfusion in the horse. Amis TC, et al. **Am J Vet Res** 1984 Aug;45(8):1597–601

The mechanisms of arterial hypoxemia during hemodialysis. Romaldini H, et al. **Am Rev Respir Dis** 1984 May; 129(5):780–4

Ventilation perfusion ratios of the normal supine lung using emission tomography. Lavender JP, et al. **Br J Radiol** 1984 Feb;57(674):141–6

Reverse ventilation—perfusion mismatch. Palmaz JC, et al. **Clin Nucl Med** 1984 Jan;9(1):6–9

Bronchopleural fistula demonstrated by pulmonary

scintigraphy. A 'pseudo' ventilation–perfusion mismatch. Roswig DM, et al. **Clin Nucl Med** 1984 Apr;9(4):240
Wedged Swan–Ganz catheter causing ventilation–perfusion mismatch. Case report and review of the literature. Siddiqui AR, et al. **Clin Nucl Med** 1983 Dec;8(12):597–9
Ventilation/perfusion relations in patients with small cell anaplastic carcinoma of the lung, obtaining complete remission during combination chemotherapy. Sørensen PG, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):233–41
Frequencies of segmental perfusion and ventilation abnormalities in lung scintigraphy. Creutzig H, et al. **Eur J Nucl Med** 1983;8(9):401–3
Reporting of ventilation perfusion images for pulmonary embolism: accuracy and precision. Gray HW, et al. **Eur J Nucl Med** 1984;9(4):151–3
A simple radioaerosol generator and delivery system for pulmonary ventilation studies. Ishfaq MM, et al. **Eur J Nucl Med** 1984;9(3):141–3
Regional distribution of ventilation and perfusion in patients with obstructive pulmonary disease and alpha 1-antitrypsin deficiency. Mostafa AB, et al. **Eur J Nucl Med** 1983; 8(8):338–41
Regional distribution of ventilation–perfusion ratios in acute pulmonary embolism. Meignan M, et al. **Intensive Care Med** 1984;10(2):103–6
Pre-and postoperative Tc 99m scanning in monitoring pulmonary perfusion in the tetralogy of Fallot. Vosa C, et al. **Ital J Surg Sci** 1984;14(1):21–4
Ventilation–perfusion relationship during high-frequency ventilation. Brusasco V, et al. **J Appl Physiol** 1984 Feb; 56(2):454–8
Effect of ventilation and perfusion imbalance on inert gas rebreathing variables. Friedman M, et al. **J Appl Physiol** 1984 Feb;56(2):364–9
Multiple inert gas elimination technique. Hlastala MP. **J Appl Physiol** 1984 Jan;56(1):1–7 (50 ref.)
Role of collateral ventilation in ventilation–perfusion balance. Kuriyama T, et al. **J Appl Physiol** 1984 Jun;56(6):1500–6
A simple model of VA/Q distribution for analysis of inert gas elimination data. Mertens P. **J Appl Physiol** 1983 Aug; 55(2):562–8
Inert gas analysis of ventilation–perfusion matching during hemodialysis. Ralph DD, et al. **J Clin Invest** 1984 May; 73(5):1385–91
An automated quantitative analysis of ventilation–perfusion lung scintigrams. Burton GH, et al. **J Nucl Med** 1984 May; 25(5):564–70
Pulmonary perfusion 'without ventilation'. Chapman CN, et al. **J Nucl Med** 1983 Dec;24(12):1149–50
Ventilator-driven xenon ventilation studies. Chilcoat RT, et al. **J Nucl Med** 1984 Jul;25(7):810–3
Computation of ventilation–perfusion ratio with Kr–81m in pulmonary embolism. Meignan M, et al. **J Nucl Med** 1984 Feb;25(2):149–55
Quantitative ventilation–perfusion lung scans in infants and children: utility of a submicronic radiolabeled aerosol to assess ventilation. O'Brodovich HM, et al. **J Pediatr** 1984 Sep;105(3):377–83
Clinical implications of variation in total venoarterial shunt fraction calculated by different methods during severe acute respiratory failure. Warner MA, et al. **Mayo Clin Proc** 1983 Oct;58(10):654–9
Effect of posture on inter-regional distribution of pulmonary perfusion and VA/Q ratios in man. Amis TC, et al. **Respir Physiol** 1984 May;56(2):169–82
[Ventilation and blood gas indices in myocardial infarct patients in the subacute stage] Petrov D. **Vutr Boles** 1984; 23(3):99–103 (Eng. Abstr.) **(Bul)**
[Acute respiratory distress syndrome in the adult. Distribution of the ventilation–perfusion ratio] Gerdeaux M, et al. **Presse Med** 1984 May 19;13(21):1315–8 (Eng. Abstr.) **(Fre)**
[Value of the measurement of the alveolo-arterial PO2 difference in moderate hyperoxia ($FIO2 = 0.40$) in chronic respiratory insufficiency] Weitzenblum E, et al. **Rev Pneumol Clin** 1984;40(2):85–90 (Eng. Abstr.) **(Fre)**
[Infection from the viewpoint of the pulmonologist] Benzer H, et al. **Beitr Infusionther Klinis Ernahr** 1983;10:42–50 **(Ger)**
[Quantitative lung perfusion scintigraphy in lung function diagnosis] Möller T, et al. **ROFO** 1983 Nov;139(5):495–9 (Eng. Abstr.) **(Ger)**
[NMR imaging of fluorine-containing substances. 19-Fluorine ventilation and perfusion studies] Rinck PA, et al. **ROFO** 1984 Mar;140(3):239–43 (Eng. Abstr.) **(Ger)**
[Results and assessment of ventilation and perfusion scintigraphic studies following left-sided homologous lung transplantation in the dog] Danzmann E, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(1):22–37 (Eng. Abstr.) **(Ger)**
[Evaluation of regional pulmonary function test using 11C02, 11C0 and 13N2] Furudate M, et al. **Hokkaido Igaku Zasshi** 1983 Nov;58(6):600–8 (Eng. Abstr.) **(Jpn)**
[Regional distribution of ventilation–perfusion ratio in patients with interstitial pneumonia using Kr–81m] Sekine H, et al. **Kaku Igaku** 1983 Nov;20(9):1307–17 (Eng. Abstr.) **(Jpn)**
[Distribution of pulmonary perfusion and ventilation in mitral stenosis with extreme pulmonary hypertension] Kurata N, et al. **Kokyu To Junkan** 1983 Dec;31(12):1339–45 (Eng. Abstr.) **(Jpn)**
[Relationship between respiratory dead space and ventilatory volume during high frequency ventilation] Sha M. **Masui** 1983 Dec;32(12):1513–22 (Eng. Abstr.) **(Jpn)**
[Regional differences of circulation, ventilation and perfusion demonstrated by 133Xe and 99mTc-MAA before and after surgery] Umegaki H. **Masui** 1984 Mar;33(3):230–9 (Eng. Abstr.) **(Jpn)**
[Fundamental and clinical examination for ventilation study using non-radioactive xenon] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1429–31 (Eng. Abstr.) **(Jpn)**
[Pulmonary venilation and blood supply in Swyer–James syndrome] Narabayashi I, et al. **Rinsho Hoshasen** 1980 Dec; 25(13):1381–4 (Eng. Abstr.) **(Jpn)**
[Pulmonary shunt in the genesis of postoperative hypoxemia in late middle-aged and elderly patients] Petrova MM. **Anesteziol Reanimatol** 1984 May-Jun;(3):19–23 (Eng. Abstr.) **(Rus)**
[Determination of non-uniform pulmonary ventilation by transcutaneous measurement of the oxygen tension in the arterial blood under an oxygen load] Kobuliia BG, et al. **Biull Eksp Biol Med** 1984 Aug;97(8):252–4 (Eng. Abstr.) **(Rus)**
[Effect of metabolic acidosis in the tissues of the small intestine on pulmonary ventilation in the cat] Filippova LV, et al. **Fiziol Zh SSSR** 1984 Mar;70(3):374–6 **(Rus)**
[Scintigraphic study of pulmonary blood flow and ventilatory function in pulmonary stenosis patients] Khodzhibekov MKh, et al. **Grudn Khir** 1984 Mar-Apr;(2):60–3 (Eng. Abstr.) **(Rus)**
[Changes in the regional indices of ventilation and perfusion in lung cancer patients during treatment] Bogdasarov IuB, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):9–13 (Eng. Abstr.) **(Rus)**
[The ventilation–perfusion process in the lungs following inhalation administration of 133Xe] Palinkashi DG, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):8–13 (Eng. Abstr.) **(Rus)**
[Radionuclide study of ventilation and perfusion in different sections of the lungs] Sorokin AI, et al. **Med Radiol (Mosk)** 1983 Sep;28(9):42–7 (Eng. Abstr.) **(Rus)**
[Evaluation of the blood circulation and pulmonary ventilation functions of children based on rheoplethysmographic data] Petrash VV, et al. **Pediatriia** 1984 Jun;(6):41–4 (Eng. Abstr.) **(Rus)**
[Alveolar ventilation and alveolar–capillary gas exchange in young children] Shiriaeva IS, et al. **Pediatriia** 1984 Jun; (6):44–6 (Eng. Abstr.) **(Rus)**
[Lung ventilation and mechanical properties in patients with disseminated tuberculosis] Bodrova TN. **Probl Tuberk** 1984 Mar;(3):33–6 (Eng. Abstr.) **(Rus)**
[Characteristics of pulmonary ventilation and gas exchange in middle and old age] Korkushko OV, et al. **Vestn Akad Med Nauk SSSR** 1984;(3):53–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Ventilation–perfusion relationships during halothane anaesthesia and mechanical ventilation. Effects of varying inspired oxygen concentration. Lundh R, et al. **Acta Anaesthesiol Scand** 1984 Apr;28(2):191–8
Lung volume and VA/Q distribution response to intravenous versus inhalation anesthesia in sheep. Dueck R, et al. **Anesthesiology** 1984 Jul;61(1):55–65
Improvement in ventilation and perfusion [letter] Sadoul P. **Chest** 1984 Jan;85(1):141–3
Does almitrine bismesylate improve V/Q matching? An animal study. Barer GR, et al. **Eur J Respir Dis [Suppl]** 1983;126:209–14
VA/Q ratios distribution and oral almitrine bismesylate in COPD patients under mechanical ventilation: preliminary results. Castaing Y, et al. **Eur J Respir Dis [Suppl]** 1983; 126:243–7
Clinical pharmacology of almitrine bismesylate. Pariente R. **Eur J Respir Dis [Suppl]** 1983;126:271–4
Use of almitrine bismesylate to stimulate ventilation in congenital central hypoventilation. Shannon DC, et al. **Eur J Respir Dis [Suppl]** 1983;126:295–301
Effect of almitrine bismesylate on the distribution of ventilation and mechanics of breathing in patients with COLD. Yernault JC, et al. **Eur J Respir Dis [Suppl]** 1983; 126:265–70
Prostaglandin I2 supports blood flow to hypoxic alveoli in anesthetized dogs. Sprague RS, et al. **J Appl Physiol** 1984 May;56(5):1246–51
[Effect of nitroglycerin on pulmonary gas exchange and ventilation–perfusion ratios in chronic ischemic heart disease] Kobuliia BG, et al. **Klin Med (Mosk)** 1984 Mar; 62(3):76–81 (Eng. Abstr.) **(Rus)**

VENTILATORS, PULMONARY see **RESPIRATORS**

VENTRAL HERNIA see **HERNIA, VENTRAL**

VENTRICULAR FIBRILLATION

Safety factor for precordial pacing: minimum current thresholds for pacing and for ventricular fibrillation by vulnerable-period stimulation. Voorhees WD 3d, et al. **PACE** 1984 May;7(3 Pt 1):356–60
[Spontaneous regression of ventricular fibrillation] Mastrocola C, et al. **Boll Soc Ital Cardiol** 1983 Feb; 28(2):155–9 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Fatality associated with the combined use of halothane and gingival retraction cord. Hilley MD, et al. **Anesthesiology** 1984 Jun;60(6):587–8
Cardiac arrest after reversal of effects of opiates with naloxone. Cuss FM, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):363–4
Aclarubicin-associated QTc prolongation and ventricular fibrillation. Iwata N, et al. **Cancer Treat Rep** 1984 Mar; 68(3):527–9
Asystole and ventricular fibrillation associated with cocaine intoxication. Nanji AA, et al. **Chest** 1984 Jan;85(1):132–3
Sudden death following injection of frusemide: case report. Dagli AJ, et al. **Indian J Med Sci** 1983 Mar;37(3):49–50
Ventricular fibrillation threshold during propranolol withdrawal: an experimental study in dogs. Smolinsky A, et al. **Isr J Med Sci** 1983 Dec;19(12):1102–4
Death in ventricular fibrillation induced by isoproterenol in DOCA-salt pretreated rats preceded by changes in myocardial electrolytes. Guideri G. **Life Sci** 1983 Oct 3; 33(14):1353–62
Contrast media induced fibrillation: comparison of Angiovist 370 and Renografin 76. Work in progress. Morris TW, et al. **Radiology** 1984 Jul;152(1):203–4
Ventricular fibrillation threshold and myocardial cyclic AMP production in rats sensitive or resistant to isoproterenol. Joseph X, et al. **Res Commun Chem Pathol Pharmacol** 1984 May;44(2):239–49
[Digitalis-induced arrhythmia successfully treated with repeated defibrillation] Juszczyk Z, et al. **Wiad Lek** 1983 Oct 15;36(20):1727–30 (Eng. Abstr.) **(Pol)**
[Incidence of ventricular fibrillation in coronary arteriography. Importance of the type and temperature of the radiologic contrast medium] Esplugas E, et al. **Rev Esp Cardiol** 1983;36(5):407–9 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Ventricular fibrillation causes sudden death in Southeast Asian immigrants. Otto CM, et al. **Ann Intern Med** 1984 Jul;101(1):45–7
A new protocol of programmed stimulation for assessment of predisposition to spontaneous ventricular arrhythmias. Richards DA, et al. **Eur Heart J** 1983 Jun;4(6):376–82
Late induction of tachycardia in patients with ventricular fibrillation associated with acute myocardial infarction. Kowey PR, et al. **J Am Coll Cardiol** 1984 Mar;3(3):690–5
[Value of premonitory arrhythmias in the acute phase of myocardial infarction] Solimene MC, et al. **Arq Bras Cardiol** 1983 May;40(5):297–303 (Eng. Abstr.) **(Por)**
[Course of the acute period of myocardial infarction complicated by primary ventricular fibrillation and heart failure] Gritsiuk AI, et al. **Ter Arkh** 1983;55(11):8–13 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The repetitive extrasystole as an index of vulnerability to ventricular fibrillation during myocardial ischemia in the canine heart. Kowey PR, et al. **Am Heart J** 1983 Dec; 106(6):1321–5
Clinical characteristics and results of electrophysiologic testing in young adults with ventricular tachycardia or ventricular fibrillation. Morady F, et al. **Am Heart J** 1983 Dec;106(6):1306–14
Ventricular fibrillation masquerading as asystole. Ewy GA. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):811–2
Analysis of ambulatory electrocardiograms in 15 patients during spontaneous ventricular fibrillation with special reference to preceding arrhythmic events. Pratt CM, et al. **J Am Coll Cardiol** 1983 Nov;2(5):789–97

DRUG THERAPY

Antidysrhythmic actions of meobentine sulfate. Zimmerman JM, et al. **Am Heart J** 1984 Jun;107(6):1117–24
Antiarrhythmic and electrophysiologic actions of bethanidine sulfate in primary ventricular fibrillation or life-threatening ventricular tachycardia. Benditt DG, et al. **Am J Cardiol** 1984 May 1;53(9):1268–74
Effects of timolol and propranolol on inducible sustained ventricular tachyarrhythmias in dogs with subacute myocardial infarction. Gang ES, et al. **Am J Cardiol** 1984 Jan 15;53(2):275–81
Long-term clinical outcome of ventricular tachycardia or fibrillation treated with amiodarone. McGovern B, et al. **Am J Cardiol** 1984 Jun 1;53(11):1558–63
Management of ventricular dysrhythmias in the prehospital and emergency department setting. Mayer NM. **Am J Cardiol** 1984 Jul 30;54(2):34A–36A
Long-term efficacy and toxicity of high-dose amiodarone therapy for ventricular tachycardia or ventricular fibrillation. Morady F, et al. **Am J Cardiol** 1983 Nov 1; 52(8):975–9
Antifibrillatory drugs: the case for bretylium tosylate. Dronen SC. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):805–7
A randomized comparison study of bretylium tosylate and lidocaine in resuscitation of patients from out-of-hospital

ventricular fibrillation in a paramedic system. Olson DW, et al. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):807–10

Treatment of prehospital refractory ventricular fibrillation with bretylium tosylate. Stang JM, et al. **Ann Emerg Med** 1984 Apr;13(4):234–6

Antifibrillatory drugs: the case for lidocaine and procainamide. White RD. **Ann Emerg Med** 1984 Sep;13(9 Pt 2):802–4

Effectiveness of antiarrhythmic agents in preventing death in ventricular fibrillation induced by isoprenaline in desoxycorticosterone–pretreated rats. Green M, et al. **Cardiovasc Res** 1983 Sep;17(9):562–7

Effect of adrenergic stimulation and blockade on ventricular defibrillation in the rat. Sharma AD, et al. **J Pharmacol Exp Ther** 1983 Dec;227(3):716–22

Antifibrillatory properties of the beta–adrenergic receptor antagonists, nadolol, sotalol, atenolol and propranolol, in the anesthetized dog. Patterson E, et al. **Pharmacology** 1984; 28(3):121–9

[Programmed stimulation in patients with malignant ventricular arrhythmia. II: Individual optimization of anti–arrhythmia therapy] Senges J, et al. **Herz** 1984 Apr; 9(2):77–82 (Eng. Abstr.) **(Ger)**

[Sudden heart death in ventricular heart rhythm disorders: possibilities and limits of long–term therapy] Lüderitz B, et al. **Internist (Berlin)** 1984 Jul;25(7):415–20 **(Ger)**

ETIOLOGY

Comparative study of the effect of slow channel inhibiting agents on ischemia–induced conduction delay as relevant to the genesis of ventricular fibrillation. Peter T, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1023–8

Correlates of reperfusion ventricular fibrillation in dogs. Hale SL, et al. **Am J Cardiol** 1984 May 1;53(9):1397–400

Factors determining the susceptibility of the isolated guinea pig heart to ventricular fibrillation induced by sinusoidal alternating current at frequencies from 1 to 1000 Hz. Weirich J, et al. **Basic Res Cardiol** 1983 Nov–Dec; 78(6):604–16

Hypokalaemia and ventricular fibrillation in acute myocardial infarction. Nordrehaug JE, et al. **Br Heart J** 1983 Dec; 50(6):525–9

Autonomic mechanisms in ventricular fibrillation induced by myocardial ischemia during exercise in dogs with healed myocardial infarction. An experimental preparation for sudden cardiac death. Schwartz PJ, et al. **Circulation** 1984 Apr;69(4):790–800

Ventricular fibrillation in hibernators and nonhibernators. Duker GD, et al. **Cryobiology** 1983 Aug;20(4):407–20

In–hospital progressive activity: comparison between myocardial infarction occurring without complications and with out–of–hospital ventricular fibrillation. Beeby BJ, et al. **Heart Lung** 1984 Jul;13(4):361–5

Life–threatening ventricular arrhythmias in septicemia. Aderka D, et al. **Isr J Med Sci** 1984 Jun;20(6):535–7

Primary ventricular fibrillation complicating acute myocardial infarction: an assessment of predictability and prognosis. Potasman I, et al. **Isr J Med Sci** 1984 Jun; 20(6):491–5

Runaway temporary pacemaker: case report of a 'runaway temporary pacemaker' with a rate over 1500/min. Chudasama L, et al. **PACE** 1978 Oct;1(4):529–30

Increased risk of ventricular fibrillation associated with temporary pacemaker use during coronary arteriography. Lehmann MH, et al. **PACE** 1983 Sep;6(5 Pt 1):923–9

His Purkinje system conduction and ventricular fibrillation in man [letter] Santinelli V, et al. **PACE** 1983 Nov;6(6):1358

Ventricular fibrillation and initial plasma potassium in acute myocardial infarction. Thomas RD. **Postgrad Med J** 1983 Jun;59(692):354–6

[Clinical analysis of ventricular tachyarrhythmia in 82 cases of acute myocardial infarction] Kou WR. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):623–5 (Eng. Abstr.) **(Chi)**

[Is ventricular fibrillation caused by immediately full–blown ischemia?] Arnulf G. **Bull Acad Natl Med (Paris)** 1983 Apr; 167(4):319–26 (Eng. Abstr.) **(Fre)**

[Ventricular fibrillation in acute myocardial infarction] Snieżek–Maciejewska M. **Kardiol Pol** 1983;26(3):193–202 (Eng. Abstr.) **(Pol)**

[Case of recurrent ventricular fibrillation caused by iatrogenic hypokalemia] Sterkowicz W. **Wiad Lek** 1984 Feb 1; 37(3):205–7 (Eng. Abstr.) **(Pol)**

[Recurrent ventricular fibrillation in a patient with transmural myocardial infarction] Egorov TL, et al. **Kardiologiia** 1983 Sep;23(9):110–2 **(Rus)**

[Recurrent ventricular fibrillation caused by food poisoning in a patient with ischemic heart disease] Zapuzin VP, et al. **Kardiologiia** 1983 Sep;23(9):112–3 **(Rus)**

[Bioelectrical mechanisms of ventricular fibrillation in coronary circulation disorders] Raĭskina ME, et al. **Usp Fiziol Nauk** 1984 Jul–Sep;15(3):108–35 (93 ref.) **(Rus)**

[Morphofunctional changes in the myocardium following sympathectomy and their role in the development of sudden death from ventricular fibrillation] Beskrovnova NN, et al. **Vestn Akad Med Nauk SSSR** 1984;(2):80–5 (Eng. Abstr.) **(Rus)**

[A case of recurrent ventricular fibrillation in myocarditis cardiosclerosis] Fedorenko VD. **Vrach Delo** 1984 Jun; (6):45–7 **(Rus)**

[Clinical aspects of ventricular fibrillation in the development of myocardial infarction] Ramírez A, et al. **Arch Inst Cardiol Mex** 1984 May–Jun;54(3):259–65 (Eng. Abstr.) **(Spa)**

[Complications attributable to hemodynamic studies with coronariography, with special reference to ventricular fibrillation] Lidón RM, et al. **Rev Esp Cardiol** 1984 Jul–Aug;37(4):240–3 (Eng. Abstr.) **(Spa)**

METABOLISM

Cyclic nucleotides concentrations in the canine heart with regional ischemia. The role of cyclic AMP in ventricular fibrillation and the effect of dibutyryl cyclic AMP. Ukai M, et al. **Jpn Circ J** 1984 Mar;48(3):247–52

Cellular and tissue responses to recurrent ventricular tachycardia and fibrillation. Hoffman BF. **PACE** 1984 May; 7(3 Pt 2):489–92

MORTALITY

[Prognosis of patients with ventricular fibrillation in recent myocardial infarct] Korewicki J, et al. **Kardiol Pol** 1983; 26(7):585–9 (Eng. Abstr.) **(Pol)**

[Long–term follow–up of patients resuscitated after primary ventricular fibrillation in myocardial infarction] Snieżek–Maciejewska M. **Kardiol Pol** 1983;26(3):203–13 (Eng. Abstr.) **(Pol)**

[Long–term prognosis (survival) of myocardial infarct patients after clinical death as a result of ventricular fibrillation (results of a 16–year study)] Segal IaL, et al. **Kardiologiia** 1984 May;24(5):34–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Results of endomyocardial biopsy in patients with spontaneous ventricular tachycardia but without apparent structural heart disease. Strain JE, et al. **Circulation** 1983 Dec;68(6):1171–81

PHYSIOPATHOLOGY

The influence of oxytocin on the fibrillation thresholds in rabbits. Cuparencu B, et al. **Acta Physiol Hung** 1984; 63(1):77–81

Differential effects of O–demethyl encainide on induced and spontaneous arrhythmias in the conscious dog. Dawson AK, et al. **Am J Cardiol** 1984 Sep 1;54(6):654–8

Determinants of arrhythmogenic ventricular activity detected on the body surface QRS in patients with coronary artery disease. Denes P, et al. **Am J Cardiol** 1984 Jun 1; 53(11):1519–23

Influence of site of stimulation on measurement of ventricular vulnerability in the normal and ischemic feline heart. Kowey PR, et al. **Am J Cardiol** 1984 Aug 1;54(3):421–3

Prognostic assessment of survivors of ventricular tachycardia and ventricular fibrillation with ambulatory monitoring. Vlay SC, et al. **Am J Cardiol** 1984 Jul 1;54(1):87–90

Intrapulmonary epinephrine during prolonged cardiopulmonary resuscitation: improved regional blood flow and resuscitation in dogs. Ralston SH, et al. **Ann Emerg Med** 1984 Feb;13(2):79–86

Increase in ventricular fibrillation threshold following blockade of atrioventricular conduction. Reynolds AK, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1079–81

Ventricular fibrillation following canine coronary artery reperfusion: different outcomes with pentobarbital and alpha–chloralose. Wenger TL, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):224–8

Comments on 'The effects of RO–22–4679, a thromboxane synthetase inhibitor, on ventricular fibrillation induced by coronary artery occlusion in conscious dogs' [letter] Crampton RS, et al. **Circ Res** 1984 Apr;54(4):474–5

Ventricular performance and prognosis after primary ventricular fibrillation complicating acute myocardial infarction. Dewhurst NG, et al. **Eur Heart J** 1984 Apr; 5(4):275–81

Time domain and spectral analysis of electrograms in man during regular ventricular activity and ventricular fibrillation. Mørkrid L, et al. **IEEE Trans Biomed Eng** 1984 Apr;31(4):350–5

Factors influencing maintenance and spontaneous termination of ventricular fibrillation. Manoach M. **Int J Cardiol** 1984 Mar;5(3):398–402

Automated external defibrillation: laboratory evaluation. Rosenthal E, et al. **Int J Cardiol** 1984 Apr;5(4):441–7

Factors related to the induction of ventricular fibrillation in the normal canine heart by programmed electrical stimulation. Hamer AW, et al. **J Am Coll Cardiol** 1984 Mar; 3(3):751–9

Comparison of programmed electrical stimulation and ambulatory electrocardiographic (Holter) monitoring in the management of ventricular tachycardia and ventricular fibrillation. Platia EV, et al. **J Am Coll Cardiol** 1984 Sep; 4(3):493–500

Antifibrillatory actions of d,l–nadolol in a conscious canine model of sudden coronary death. Patterson E, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):737–44

Central nervous system risk factors for sudden cardiac death. Desilva RA. **J SC Med Assoc** 1983 Oct;79(10):561–72

The role of the frontal cortex in the regulation of cardiac vulnerability to ventricular fibrillation: a neurophysiological model of Cannon's cerebral defense system. Skinner JE. **J SC Med Assoc** 1983 Oct; 79(10):588–94

The effect of pH on the hypothermic ventricular fibrillation threshold. Swain JA, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):445–51

The repetitive ventricular response: relationship to ventricular fibrillation threshold in dogs. Jones DL, et al. **PACE** 1983 Nov;6(6):1258–67

[Divergent time courses of ventricular vulnerability of the heart to ventricular tachycardias and ventricular fibrillation in the early necrosis stage of acute experimental myocardial infarct] Gülker H, et al. **Z Kardiol** 1983 Dec;72(12):711–7 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prophylaxis of primary ventricular fibrillation in acute myocardial infarction. The case against lignocaine. Kertes P, et al. **Br Heart J** 1984 Sep;52(3):241–7

Anti–arrhythmic effects of prazosin and propranolol during coronary artery occlusion and re–perfusion in dogs and pigs. Benfey BG, et al. **Br J Pharmacol** 1984 Jul; 82(3):717–25

Ventricular fibrillation in a conscious canine preparation of sudden coronary death—prevention by short– and long–term amiodarone administration. Patterson E, et al. **Circulation** 1983 Oct;68(4):857–64

A method for quantitating antifibrillatory effects of drugs after coronary reperfusion in dogs: improved outcome with bretylium. Wenger TL, et al. **Circulation** 1984 Jan; 69(1):142–8

Calcium antagonists and the acutely ischemic heart: experimental effects on ventricular fibrillation and enzyme release. Opie LH, et al. **Eur Heart J** 1983 May;4 Suppl C:93–100 (48 ref.)

Captopril reduces purine loss and reperfusion arrhythmias in the rat heart after coronary artery occlusion. Van Gilst WH, et al. **Eur J Pharmacol** 1984 Apr 13;100(1):113–7

Prophylaxis and therapy of ventricular fibrillation: bretylium reviewed and lidocaine refuted. Bacaner M. **Int J Cardiol** 1983 Sep;4(2):133–52 (28 ref.)

Relationship between infarct size and incidence of severe ventricular arrhythmias in a double–blind trial with metoprolol in acute myocardial infarction. Herlitz J, et al. **Int J Cardiol** 1984 Jul;6(1):47–60

Development of ventricular tachyarrhythmias in the conscious canine during the recovery phase of experimental ischemic injury: effect of bethanidine administration. Patterson E, et al. **J Cardiovasc Pharmacol** 1984 May–Jun; 6(3):470–5

Antiarrhythmic and antifibrillatory actions of the beta adrenergic receptor antagonist, dl–sotalol. Patterson E, et al. **J Pharmacol Exp Ther** 1984 Aug;230(2):519–26

The effect of disopyramide phosphate on ventricular fibrillation threshold of normal and ischemic ventricles. Tajima T, et al. **Jpn Heart J** 1983 Nov;24(6):985–93

[Hyperaldosteronism in the acute phase of myocardial infarction. Effects of its treatment on the prevention of ventricular fibrillation] Denis B, et al. **Arch Mal Coeur** 1984 Apr;77 Spec No:35–40 (Eng. Abstr.) **(Fre)**

[Lidocaine prophylaxis in acute myocardial infarct] Foelske H, et al. **Z Ärztl Fortbild (Jena)** 1984;78(5):165–6 **(Ger)**

[Effect of previous administration of amiodarone on the early incidence of ventricular fibrillation during experimental myocardial ischemia] Spadaro J, et al. **Arq Bras Cardiol** 1984 Jan;42(1):25–9 (Eng. Abstr.) **(Por)**

[Effect of etmozin and ethacizin (diethylamino analog of etmozin) on local microcardiac blood flow and the fibrillation threshold of the heart] Aniukhovskiĭ EP, et al. **Kardiologiia** 1984 May;24(5):58–61 (Eng. Abstr.) **(Rus)**

[Trimecaine in the prevention of early ventricular fibrillation during experimental myocardial infarction] Vol'pert EI, et al. **Kardiologiia** 1983 Nov;23(11):109–10 **(Rus)**

[Complications of the electrical reversal of sinus rhythm and their prevention] Bulynin VI, et al. **Klin Med (Mosk)** 1984 Mar;62(3):107–10 (Eng. Abstr.) **(Rus)**

SURGERY

Results of electrophysiologically guided operations for drug–resistant recurrent ventricular tachycardia and ventricular fibrillation due to coronary artery disease. Brodman R, et al. **J Thorac Cardiovasc Surg** 1984 Mar; 87(3):431–8

THERAPY

Determinants of defibrillation: prospective analysis of 183 patients. Kerber RE, et al. **Am J Cardiol** 1983 Oct 1; 52(7):739–45

Pacing threshold changes after transvenous catheter countershock. Yee R, et al. **Am J Cardiol** 1984 Feb 1; 53(4):503–7

Direct mechanical ventricular assistance during ventricular fibrillation. McCabe JB, et al. **Ann Emerg Med** 1983 Dec; 12(12):739–44

Resuscitation time in ventricular fibrillation—a prognostic indicator. Pionkowski RS, et al. **Ann Emerg Med** 1983 Dec; 12(12):733–8

Ventricular fibrillation and defibrillation. Geddes LA, et al. **Australas Phys Eng Sci Med** 1983 Jan–Mar;6(1):9–19 (28 ref.)

Automatic implantable defibrillator. Mirowski M, et al. **Cardiovasc Clin** 1983;14(2):195–207 (35 ref.)

Defibrillation of 100 kg calves with asymmetrical, bidirectional, rectangular pulses. Schuder JC, et al.

Cardiovasc Res 1984 Jul;18(7):419–26

Measurement of cardioversion/defibrillation thresholds in man by a truncated exponential waveform and an apical patch–superior vena caval spring electrode configuration. Winkle RA, et al. **Circulation** 1984 Apr;69(4):766–71

Safety and effectiveness of a portable external automatic defibrillator–pacemaker. Rozkovec A, et al. **Clin Cardiol** 1983 Nov;6(11):527–33

Interruption of recurrent ventricular fibrillation by psychiatric intervention. Reich P, et al. **Gen Hosp Psychiatry** 1983 Dec;5(4):255–7

Electrode catheter ablation of refractory focal ventricular tachycardia. Hartzler GO. **J Am Coll Cardiol** 1983 Dec; 2(6):1107–13

Biochemical termination of sustained fibrillation occurring after artificially induced ischemic arrest. Robicsek F. **J Thorac Cardiovasc Surg** 1984 Jan;87(1):143–5

Treatment of ventricular fibrillation. Emergency medical technician defibrillation and paramedic services. Eisenberg MS, et al. **JAMA** 1984 Apr 6;251(13):1723–6

Pioneer implant defibrillator continues in clinical use [news] Maurice J. **JAMA** 1983 Oct 14;250(14):1810–1

Primordial conditions of successful resuscitation: experimental study. Temes G, et al. **Neurol Res** 1983; 5(1):77–89

Acute myocardial infarction. Decision making in the first critical hours. Chapman DW. **Postgrad Med** 1983 Oct; 74(4):329–34

[An implantable automatic defibrillator] Capella G, et al. **Minerva Cardioangiol** 1984 Mar;32(3):85–100 (Eng. Abstr.) **(Ita)**

[Combined action of factors facilitating recovery of vital functions following circulatory arrest] Tolova SV, et al. **Anesteziol Reanimatol** 1983 Nov–Dec;(6):20–3 (Eng. Abstr.) **(Rus)**

VENTRICULOGRAPHY, CEREBRAL

Rupture of intracranial aneurysms and ventricular opacification during carotid angiography. Gelmers HJ, et al. **Acta Neurochir (Wien)** 1984;70(1–2):43–51

Non-ionic water soluble contrast medium 3-deoxy-3-iodo-D-glucose (DIG) for use in the CSF space. An experimental study with mongrel and beagle dogs. Suzuki S, et al. **Acta Neurochir (Wien)** 1984; 70(3–4):255–67

Leakage of iodinated contrast material into the cerebral ventricles in an adult with ependymitis. Sullivan WT, et al. **AJNR** 1983 Nov–Dec;4(6):1251–3

The ventricular system in chronic schizophrenic patients. A controlled computed tomography study. Pandurangi AK, et al. **Br J Psychiatry** 1984 Feb;144:172–6

Clinical differences between schizophrenic patients with and without large cerebral ventricles. Nasrallah HA, et al. **J Clin Psychiatry** 1983 Nov;44(11):407–9

Early versus late lateral ventricular enlargement following closed head injury. Meyers CA, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1092–7

Radionuclide estimation of cerebrospinal fluid shunt flow. Evidence supporting an alternative theoretical model. Kuruc A, et al. **J Neurosurg** 1984 Feb;60(2):361–4

Diverticulum of the lateral ventricle causing cerebellar ataxia. Case report. Wakai S, et al. **J Neurosurg** 1983 Nov; 59(5):895–8

Increased cerebral ventricular volume in monozygotic twins discordant for alcoholism. Gurling HM, et al. **Lancet** 1984 May 5;1(8384):986–8

Pathophysiology of the severe head injury in children. Part 1. Acute traumatic intraventricular hemorrhage. Kobayashi S, et al. **Nippon Ika Daigaku Zasshi** 1983 Dec;50(6):899–903

Cerebroventricular size and cerebrospinal fluid monoamine metabolites in schizophrenic patients and healthy volunteers. Nybäck H, et al. **Psychiatry Res** 1983 Aug; 9(4):301–8

Elevated beta-endorphin in cerebrospinal fluid after electrical brain stimulation: artifact of contrast infusion? Fessler RG, et al. **Science** 1984 Jun 1;224(4652):1017–9

Lesions at the foramen of Monro: evaluation by computed tomography, angiography, and pneumoencephalography. Brooks BS, et al. **South Med J** 1983 Dec;76(12):1515–23

Intraventricular noncolloid epithelial cyst in an infant. Shimizu T, et al. **Surg Neurol** 1984 Feb;21(2):185–9

[Pneumoencephalography and ventriculography in diagnosis of intracranial non-space occupying lesions] Shao SF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Apr;5(2):94–6 (Eng. Abstr.) **(Chi)**

[Ultrasound echography (A-scan) of the cerebral ventricles in newborn infants: its relation to the degree of maturity and clinical significance] Laub MC, et al. **Padiatr Padol** 1984;19(2):145–51 (Eng. Abstr.) **(Ger)**

[Comparison of the results of computer tomography and dimer-X ventriculography in the diagnosis of infratentorial processes] Brachmann J, et al. **Zentralbl Neurochir** 1983; 44(4):307–11 (Eng. Abstr.) **(Ger)**

[Central ventriculography—pre- and postoperative findings in tumors of the 4th ventricle] Brachmann J, et al. **Zentralbl Neurochir** 1983;44(3):267–73 (Eng. Abstr.) **(Ger)**

[CT studies of morphological characteristics of enlarged ventricle, with special reference to the values based on multivariate analysis] Iwasaki S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Jun; 43(6):757–69 (Eng. Abstr.) **(Jpn)**

[Computerized tomography in patients with neurocysticercosis with intracranial hypertension due to obstructive hydrocephalus: comparison with Dimer-X ventriculography] Colli BO, et al. **Arq Neuropsiquiatr** 1984 Jun;42(2):116–25 (Eng. Abstr.) **(Por)**

[Computer tomographic picture of the cerebral ventricles of patients with severe craniocerebral injuries] Abderakhman SM. **Zh Vopr Neirokhir** 1984 Mar–Apr; (2):24–7 (Eng. Abstr.) **(Rus)**

METHODS

Addition processing of computed tomograms for whole view of cerebral ventricles. Ogawa F, et al. **J Comput Assist Tomogr** 1978 Jul;2(3):366–7

[Triple contrast ventriculography with air, pentopaque and Conray for localization of brain tumors—report of 33 cases] Zou CW, et al. **Chung Hua I Hsueh Tsa Chih** 1983 Sep; 63(9):536–7 (Eng. Abstr.) **(Chi)**

[Slit-ventricle. Apropos of 2 cases] Chazal J, et al. **Neurochirurgie** 1983;29(5):327–31 (Eng. Abstr.) **(Fre)**

VENTROMEDIAL HYPOTHALAMIC NUCLEUS

ANALYSIS

Circadian rhythm of adenosine-3',5'-monophosphate content in suprachiasmatic nucleus (SCN) and ventromedial hypothalamus (VMH) in the rat. Murakami N, et al. **Brain Res** 1983 Oct 16;276(2):297–304

ANATOMY & HISTOLOGY

Distribution and origins of neurotensin-containing fibers in the nucleus ventromedialis hypothalami of the rat: an experimental immunohistochemical study. Inagaki S, et al. **Brain Res** 1983 Aug 29;273(2):229–35

Brainstem projection to the hypothalamic ventromedial nucleus in the rat: a CCK-containing long ascending pathway. Záborszky L, et al. **Brain Res** 1984 Jun 15; 303(2):225–31

Sex difference in volume of the ventromedial nucleus of the hypothalamus in the rat. Matsumoto A, et al. **Endocrinol Jpn** 1983 Jun;30(3):277–80

DRUG EFFECTS

Alteration by estrogen of the nucleoli in nerve cells of the rat hypothalamus. Cohen RS, et al. **Cell Tissue Res** 1984; 235(3):485–9

Differential effects of interferon on ventromedial hypothalamus and dorsal hippocampus. Prieto-Gomez B, et al. **J Neurosci Res** 1983;10(3):273–8

Hormonal and chemical modulation of ventromedial hypothalamic neurons responsive to vaginocervical stimulation. Chan A, et al. **Neuroendocrinology** 1984 Apr; 38(4):328–36

Blockade of progesterone-activated estrous behavior in rats by intracerebral anisomycin is site specific. Glaser JH, et al. **Neuroendocrinology** 1984 May;38(5):337–43

Depression of neuronal activity in the hypothalamic ventromedial nucleus of the rat following microinjection of morphine in the amygdala or the periaqueductal gray. Lakoski JM, et al. **Neuroscience** 1984 May;12(1):255–66

Resistance of the gerbil hypothalamus to gold thioglucose lesion formation. Brown DF, et al. **Physiol Behav** 1983 Aug; 31(2):203–8

PHYSIOLOGY

Hyperinsulinemia in rats with ventromedial hypothalamic lesions: role of hyperphagia. King BM, et al. **Behav Neurosci** 1984 Feb;98(1):152–5

Does the ventromedial hypothalamic nucleus contain a self-sustained circadian oscillator associated with periodic feedings? Inouye ST. **Brain Res** 1983 Nov 21; 279(1–2):53–63

Modification by hypothalamic lesions of the release of growth hormone (GH) following stimulation of the ventromedial hypothalamic nucleus in the rat. Kato M, et al. **Brain Res** 1983 Nov 28;280(1):69–74

Excitatory effects of the suprachiasmatic nucleus on the ventromedial nucleus in the rat hypothalamic slice. Kita H, et al. **Brain Res** 1982 Mar 4;235(1):137–41

Glucoresponsive neurons in rat ventromedial hypothalamic tissue slices in vitro. Ono T, et al. **Brain Res** 1982 Jan 28; 232(2):494–9

Electrophysiological studies of the development of suprachiasmatic neuronal activity in hypothalamic slice preparations. Shibata S, et al. **Brain Res** 1984 Mar; 315(1):29–35

Hypothalamically-induced insulin release and its potentiation during oral and intravenous glucose loads. Steffens AB, et al. **Brain Res** 1984 Jun 3;301(2):351–61

Changes in insulin, somatostatin, and glucagon secretion during the development of obesity in ventromedial hypothalamic-lesioned rats. Seino Y, et al. **Endocrinology** 1984 Feb;114(2):457–61

Are the amygdaloid projections to the hypothalamic ventromedial nucleus involved in estrous rhythm regulation in the female rat? Chateau D, et al. **Exp Clin Endocrinol** 1984 May;83(3):303–9

Decreased rate of fatty acid synthesis in brown adipose tissue of hypothalamic obese rats. Saito M, et al. **FEBS Lett** 1984 Jan 23;166(1):151–4

Opiate receptors and cardiovascular control in conscious SHR and WKY rats. Feuerstein G, et al. **Hypertension** 1983 Sep–Oct;5(5):663–71

Alterations of gastrin secretion in obese rats with ventromedial hypothalamic lesions. Chikamori K, et al. **Int J Obes** 1983;7(6):563–7

Changes in food intake with electrical stimulation of the ventromedial hypothalamus in dogs. Brown FD, et al. **J Neurosurg** 1984 Jun;60(6):1253–7

Response of glucose-responsive ventromedial hypothalamic neurons to scrotal and preoptic thermal stimulation in rats. Nakayama T, et al. **Neurosci Lett** 1984 Mar 23;45(2):129–34

Changes in body weight and food-related behaviour induced by destruction of the ventral or dorsal noradrenergic bundle in the rat. Sahakian BJ, et al. **Neuroscience** 1983 Dec;10(4):1405–20

VMN lesion deficits in lordosis: partial reversal with pergolide mesylate. Mathews D, et al. **Physiol Behav** 1983 Dec;31(6):745–8

[Involvement of the anterior hypothalamus in releasing growth hormone under the stimulation of the ventromedial hypothalamus in rats] Kato M, et al. **Horumon To Rinsho** 1983 Sep;31(9):843–5 **(Jpn)**

[Effects of an anorexiant, mazindol, on metabolic abnormalities of rats with ventromedial hypothalamic lesions] Inoue S, et al. **Nippon Yakurigaku Zasshi** 1984 May; 83(5):441–9 (Eng. Abstr.) **(Jpn)**

[Sensitivity of neurons in the rabbit thalamus parafascicular complex to angiotensin II during stimulation of the ventromedial hypothalamus] Kol'dits M, et al. **Biull Eksp Biol Med** 1984 Feb;97(2):172–4 (Eng. Abstr.) **(Rus)**

[Interraction of alimentary and defensive reactions induced by stimulation of the hypothalamus] Shalkovskaia LN. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):566–8 **(Rus)**

[Coordinated activity of limbic structures in the organization of behavioral responses] Shalkovskaia LN. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):955–6 **(Rus)**

PHYSIOPATHOLOGY

[Chemical sensitivity of neurons to immobilization emotional stress in the rat] Iumatov EA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1128–34 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Distribution, origin, and fine structures of cholecystokinin-8-like immunoreactive terminals in the nucleus ventromedialis hypothalami of the rat. Inagaki S, et al. **J Neurosci** 1984 May;4(5):1289–99

Effect of acute and repeated immobilization stress on the ultrastructure of neurons of the rat hypothalamic ventromedial nucleus. Kiss A. **Z Mikrosk Anat Forsch** 1983; 97(1):49–64

VENTURICIDINS see under **LACTONES**

VENULES see under **VEINS**

VERAPAMIL

Stability of dobutamine hydrochloride and verapamil hydrochloride in 0.9% sodium chloride and 5% dextrose injections. Das Gupta V, et al. **Am J Hosp Pharm** 1984 Apr;41(4):686–9

Calcium channel blockers in emergency medicine. Young GP. **Ann Emerg Med** 1984 Sep;13(9 Pt 1):712–22 (133 ref.)

Global ischemia in the immature canine ventricle. Enhanced protective effect of verapamil and potassium. Lupinetti FM, et al. **J Thorac Cardiovasc Surg** 1984 Feb;87(2):213–9

ADMINISTRATION & DOSAGE

Double-blind randomized crossover trial of verapamil and propranolol in chronic stable angina. Bowles MJ, et al. **Am Heart J** 1983 Dec;106(6):1297–306

Long-term oral verapamil therapy in patients with rest angina. Mehta J, et al. **Am Heart J** 1983 Nov;106(5 Pt 1):1133–7

Calcium channel blockers: an intraoperative and postoperative trial in women. Hicks GL Jr, et al. **Ann Thorac Surg** 1984 Apr;37(4):319–23

Verapamil administered twice daily in stable angina pectoris. Tan AT, et al. **Chest** 1984 Jan;85(1):55–8

Long-term oral treatment with high doses of verapamil in lone atrial fibrillation. Johansson PA, et al. **Clin Cardiol** 1984 Mar;7(3):163–70

Electrophysiological effects of quinidine alone and of the combination quinidine-verapamil on AV conduction in humans. Theisen K, et al. **Clin Cardiol** 1983 Aug; 6(8):405–11

Long-term verapamil infusion in paroxysmal supraventricular tachycardia. Weber RJ, et al. **Crit Care Med** 1984 May;12(5):465–6

The use of calcium with verapamil in the management of supraventricular tachyarrhythmias. Weiss AT, et al. **Int J Cardiol** 1983 Oct;4(3):275–84

Post-ischemic myocardial function after pre-ischemic application of propranolol or verapamil. Preusse CJ, et al.

J Cardiovasc Surg (Torino) 1984 Mar–Apr;25(2):158–64
Potassium–verapamil cardioplegia for myocardial protection: an experimental evaluation through preservation and transplantation. Morishita Y, et al. **Jpn J Surg** 1983 Nov; 13(6):524–9
[Pharmacodynamic comparison of propranolol and verapamil in exertion stenocardia] Sumarokov AB, et al. **Klin Med (Mosk)** 1984 Mar;62(3):42–6 (Eng. Abstr.) **(Rus)**
[Possibilities of a differentiated approach to the treatment of patients with idiopathic hypertrophic subaortic stenosis] Fedorova IF. **Vestn Akad Med Nauk SSSR** 1984;(2):52–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Oxygen transport during hemodilution in normoxic and hypoxic dogs treated with verapamil. Scherer R, et al. **Acta Anaesthesiol Scand** 1983 Dec;27(6):495–500
The hemodynamic effects of intravenous verapamil in patients on chronic propranolol therapy. Reddy PS, et al. **Am Heart J** 1984 Jan;107(1):97–101
Accelerated junctional rhythms during oral verapamil therapy. Schwartz JB, et al. **Am Heart J** 1984 Mar; 107(3):440–3
Verapamil–digoxin interaction. Zatuchni J. **Am Heart J** 1984 Aug;108(2):412–3
Verapamil in hypertrophic cardiomyopathy [letter] **Am J Cardiol** 1984 May 15;53(10):1486–7
Effectiveness and safety of oral verapamil to control exercise-induced tachycardia in patients with atrial fibrillation receiving digitalis. Panidis IP, et al. **Am J Cardiol** 1983 Dec 1;52(10):1197–201
Hyperkalemia and cardiovascular collapse after verapamil and dantrolene administration in swine. Saltzman LS, et al. **Anesth Analg** 1984 May;63(5):473–8
Verapamil and reversal of vecuronium neuromuscular blockade. van Poorten JF, et al. **Anesth Analg** 1984 Feb; 63(2):155–7
Detrimental effects of verapamil in patients with primary pulmonary hypertension. Packer M, et al. **Br Heart J** 1984 Jul;52(1):106–11
Verapamil: a cause f sudden death in a patient with hypertrophic cardiomyopathy. Perrot B, et al. **Br Heart J** 1984 Mar;51(3):352–4
Liver damage from verapamil. Guarascio P, et al. **Br Med J [Clin Res]** 1984 Feb 4;288(6414):362–3
Parenteral–verapamil–induced sustained hypotension. Tucker RA, et al. **Drug Intell Clin Pharm** 1984 Mar;18(3):239–41
Effective treatment of verapamil intoxication with 4–aminopyridine in the cat. Agoston S, et al. **J Clin Invest** 1984 May;73(5):1291–6
Treating adverse effects of verapamil [letter] Worthley LI. **JAMA** 1984 Sep 7;252(9):1129
Verapamil/beta–blocker interaction. A review. Lander R. **Mo Med** 1983 Oct;80(10):626–9 (33 ref.)
When is a drug side effect a therapeutic effect? Pritchett EL. **NC Med J** 1984 May;45(5):331
Electromechanical dissociation after intravenous verapamil. Clark MB, et al. **NY State J Med** 1983 Oct–Nov; 83(11–12):1181–2
Verapamil in atrial fibrillation. Edson JN. **NY State J Med** 1983 Oct–Nov;83(11–12):1149
Verapamil does not alter platelet function in patients with recent myocardial infarction. Kristensen SD, et al. **Thromb Res** 1983 Nov 15;32(4):437–42
[Verapamil as a cause of palmar hyperkeratosis] Major P. **Tidsskr Nor Laegeforen** 1983 Oct 30;103(30):2061 **(Nor)**

ANALOGS & DERIVATIVES

Reduction of calcium currents in identified neurons of Helix pomatia: intracellular injection of D890. Walden J, et al. **Comp Biochem Physiol [C]** 1984;77(2):211–7

ANALYSIS

Level of verapamil in human milk [letter] Inoue H, et al. **Eur J Clin Pharmacol** 1984;26(5):657–8
pKa determination of verapamil by liquid–liquid partition. Hasegawa J, et al. **J Pharm Sci** 1984 Apr;73(4):442–5

BLOOD

Pharmacokinetics of calcium blockers in patients with renal insufficiency and in geriatric patients. Storstein L, et al. **Acta Med Scand [Suppl]** 1984;681:25–30
Plasma verapamil levels and exercise performance. Weiner DA, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):25–32
Inter– and intra–subject variation in the first–pass elimination of highly cleared drugs during chronic dosing. Studies with deuterated verapamil. Eichelbaum M, et al. **Eur J Clin Pharmacol** 1984;26(1):47–53
PQ–intervals and serum concentrations as indices of verapamil absorption following sublingual, buccal and per oral administration in man. Woodcock BG, et al. **Methods Find Exp Clin Pharmacol** 1983 Oct;5(8):537–41

DIAGNOSTIC USE

In vivo and in vitro inhibition of histamine release by calcium antagonists. Norn S, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 2):394–7

METABOLISM

Verapamil disposition and effect on PQ–intervals after buccal, oral and intravenous administration. Asthana OP, et al. **Arzneimittelforsch** 1984;34(4):498–502
[3H] verapamil binding sites in skeletal muscle transverse tubule membranes. Galizzi JP, et al. **Biochem Biophys Res Commun** 1984 Jan 13;118(1):239–45
Aspects of the clinical pharmacology of verapamil, a calcium–entry antagonist. McAllister RG Jr, et al. **Biopharm Drug Dispos** 1983 Jul–Sep;4(3):203–11 (67 ref.)
Pharmacokinetics of (+)–, (–)– and (+/–)–verapamil after intravenous administration. Eichelbaum M, et al. **Br J Clin Pharmacol** 1984 Apr;17(4):453–8
Pharmacokinetics and pharmacodynamics of verapamil in combination with atenolol, metoprolol and propranolol. Warrington SJ, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:37S–44S
Excretion of verapamil in human milk [letter] de Swiet M. **Br Med J [Clin Res]** 1984 Feb 25;288(6417):644–5
Clinical pharmacokinetics of verapamil. Hamann SR, et al. **Clin Pharmacokinet** 1984 Jan–Feb;9(1):26–41 (87 ref.)
Predictability of verapamil steady–state plasma levels from single–dose data explained. Wagner JG. **Clin Pharmacol Ther** 1984 Jul;36(1):1–4
Target size analysis and molecular properties of Ca2+ channels labelled with [3H]verapamil. Goll A, et al. **Eur J Biochem** 1984 May 15;141(1):177–86
Excretion of verapamil in human milk. Andersen HJ. **Eur J Clin Pharmacol** 1983;25(2):279–80
[3H]Verapamil binding sites in brain and skeletal muscle: regulation by calcium. Reynolds IJ, et al. **Eur J Pharmacol** 1983 Nov 25;95(3–4):319–21

PHARMACODYNAMICS

Studies on the calcium antagonistic action of tetrandrine: VI. Comparison of effects of tetrandrine, verapamil and propranolol on myocardial blood flow. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(2):65–8
Effects of verapamil in hypertensive patients. de Leeuw PW, et al. **Acta Med Scand [Suppl]** 1984;681:125–8
Serum lipoproteins after treatment with verapamil for 6 months. Faergeman O, et al. **Acta Med Scand [Suppl]** 1984; 681:49–51
Hemodynamic effects of verapamil in essential hypertension at rest and during exercise. Lund–Johansen P. **Acta Med Scand [Suppl]** 1984;681:109–15
The influence of calcium antagonists on plasma digoxin concentration. Pedersen KE. **Acta Med Scand [Suppl]** 1984; 681:31–6
Influence of verapamil on glucose tolerance. Röjdmark S, et al. **Acta Med Scand [Suppl]** 1984;681:37–42
Effects of intravenous verapamil on the haemodynamic response to exercise in patients with angina pectoris. Sadick N, et al. **Acta Med Scand [Suppl]** 1984;681:91–8
Variation of serum lipoproteins in postmyocardial infarction patients treated with verapamil or placebo. Strunge P, et al. **Acta Med Scand [Suppl]** 1984;681:53–7
Effect of verapamil on serum lipoproteins in patients with angina pectoris. Walldius G. **Acta Med Scand [Suppl]** 1984; 681:43–8
Calcium antagonist verapamil inhibits adenosine–induced renal vasoconstriction in the dog. Miklós ES, et al. **Acta Physiol Hung** 1984;63(2):161–5
Decrease in time to peak tension produced by calcium blockers and isoproterenol. Its dependence on extracellular calcium. Garay A, et al. **Acta Physiol Lat Am** 1982; 32(4):295–302
Recognition of the 'calcium paradox' and the effects of verapamil and gallopamil in human adenoidal mast cells. Eichelberg D, et al. **Agents Actions** 1984 Apr;14(3–4):410–3
Inhibition of rat mast cell degranulation by verapamil. Legrand A, et al. **Agents Actions** 1984 Feb;14(2):153–6
Contrasting effects of nifedipine and verapamil on myocardium and vascular smooth muscle at two levels of coronary occlusion in the dog. Weintraub WS, et al. **Am Heart J** 1983 Dec;106(6):1347–52
Effects of nifedipine and verapamil on isometric and dynamic exercise in normal subjects. Stein DT, et al. **Am J Cardiol** 1984 Aug 1;54(3):386–9
The effect of verapamil on the lower esophageal sphincter pressure in normal subjects and in achalasia. Becker BS, et al. **Am J Gastroenterol** 1983 Dec;78(12):773–5
Verapamil and quinidine effects on PAH transport by isolated perfused renal tubules. Dantzler WH, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):F188–200
Effects of calcium channel blockers on isolated carotid baroreceptors and baroreflex. Heesch CM, et al. **Am J Physiol** 1983 Oct;245(4):H653–61
Effects of verapamil in models of ischemic acute renal failure in the rat. Malis CD, et al. **Am J Physiol** 1983 Dec; 245(6):F735–42
Effects of verapamil on renin and aldosterone in the dog and rat. Roy MW, et al. **Am J Physiol** 1983 Oct; 245(4):E410–6
Calcium channels resistant to organic calcium entry blockers in a rabbit vein. Winquist RJ, et al. **Am J Physiol** 1983 Dec;245(6):H1024–30
Modification of allergic bronchoconstriction by a calcium antagonist: mode of action [letter] Hahn HL. **Am Rev Respir Dis** 1984 Jan;129(1):198–9
Neuromuscular transmission and verapamil [letter] Lehmann HD, et al. **Anesth Analg** 1983 Nov;62(11):1048–51
Combined effects of halothane anesthesia and verapamil on systemic hemodynamics and left ventricular myocardial contractility in patients with ischemic heart disease. Schulte–Sasse U, et al. **Anesth Analg** 1984 Sep;63(9):791–8
Potentiation of neuromuscular blockade by verapamil. Durant NN, et al. **Anesthesiology** 1984 Apr;60(4):298–303
Comparison of cardiovascular responses to verapamil during enflurane, isoflurane, or halothane anesthesia in the dog. Kapur PA, et al. **Anesthesiology** 1984 Aug;61(2):156–60
Comparative cardiovascular effects of verapamil, nifedipine, and diltiazem during halothane anesthesia in swine. Kates RA, et al. **Anesthesiology** 1984 Jul;61(1):10–8
Different, dose–dependent effects of verapamil inhalation on histamine–induced bronchoconstriction in anaesthetized dogs. Krivoy N, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):328–34
Effect of verapamil on renal vasoconstriction induced by angiotensin II, norepinephrine or renal nerve stimulation in anesthetized dogs. Ogawa N, et al. **Arch Int Pharmacodyn Ther** 1984 Mar;268(1):113–21
Different inhibitory sites of action for magnesium and verapamil in the bovine adrenal medulla. Pinto JE, et al. **Arch Int Pharmacodyn Ther** 1984 Feb;267(2):319–27
Hemodynamic effects of high dosages of verapamil and the lack of protection by 4–aminopyridine in the rabbit. Wesseling H, et al. **Arch Int Pharmacodyn Ther** 1983 Nov; 266(1):106–12
Improvement of the metabolic and energetic situation of ischemically stressed myocardium by verapamil after experimental coronary artery occlusion. Korb H, et al. **Arzneimittelforsch** 1983;33(11):1546–51
Antagonistic activity of verapamil and diltiazem against different intestinal smooth muscle stimuli. Samueli F, et al. **Arzneimittelforsch** 1984;34(2):181–4
The potential bronchodilator action of verapamil. Cade JF, et al. **Aust J Exp Biol Med Sci** 1984 Apr;62 (Pt 2):229–38
Effects of verapamil on the binding properties of rat heart muscarinic receptors: evidence for an allosteric site. Waelbroeck M, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):340–5
Effects of verapamil on lipolysis due to dibutyryl cyclic AMP. Goko H, et al. **Biochem J** 1984 May 15;220(1):321–4
The effect of verapamil and other calcium antagonists on chemotaxis of polymorphonuclear leukocytes. Elferink JG, et al. **Biochem Pharmacol** 1984 Jan 1;33(1):35–9
The inhibition of Ca uptake in cardiac membrane vesicles by verapamil. Erdreich A, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2315–23
Effects of verapamil and manganese on the vasoconstrictor responses to noradrenaline, serotonin and potassium in human and goat cerebral arteries. Salaices M, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2711–4
Inhibition of (H+ + K+)-ATPase and H+ accumulation in hog gastric membranes by trifluoperazine, verapamil and 8–(N,N–diethylamino)octyl–3,4,5–trimethoxybenzoate. Im WB, et al. **Biochim Biophys Acta** 1984 Feb 29;770(1):65–72
Calcium antagonists and endocrine status: lack of effect of oral verapamil on pituitary–testicular and pituitary–thyroid function. Semple CG, et al. **Br J Clin Pharmacol** 1984 Feb; 17(2):179–82
Antagonism of Ca2+ and other actions of verapamil in guinea–pig isolated trachealis. Foster RW, et al. **Br J Pharmacol** 1984 Mar;81(3):499–507
The calcium antagonists PY 108–068 and verapamil diminish the effects of angiotensin II: sites of interaction in the peripheral circulation of anaesthetized cats. Hof RP. **Br J Pharmacol** 1984 May;82(1):51–60
Comparative effects of verapamil and sodium nitroprusside on contraction and 45Ca uptake in the smooth muscle of rabbit aorta, rat aorta and guinea–pig taenia coli. Karaki H, et al. **Br J Pharmacol** 1984 Feb;81(2):393–400
Effects of verapamil on thermal trauma depressed cardiac output in the anaesthetized dog. Hilton JG. **Burns Incl Therm Inj** 1984 Jun;10(5):313–7
Depletion of cardiac noradrenaline stores by the calcium–channel blocker D–600. Chaudhry A, et al. **Can J Physiol Pharmacol** 1984 Jun;62(6):640–4
Actions of verapamil on the excitability of cultured neurones. MacDonald JF, et al. **Can J Physiol Pharmacol** 1983 Dec; 61(12):1467–72
Increased mortality with cardiotoxic doses of Adriamycin after verapamil pretreatment despite prevention of myocardial calcium accumulation. Rabkin SW, et al. **Can J Physiol Pharmacol** 1983 Sep;61(9):1050–6
Effects of verapamil on daunomycin cellular retention and cytotoxicity in P388 leukemic cells. Yanovich S, et al. **Cancer Res** 1984 May;44(5):1743–7
Facilitation of calcium blocking and membrane effects by intrinsic sympathomimetic activity. Smith HJ, et al. **Cardiovasc Res** 1984 Jan;18(1):30–6
Blockade by verapamil of cholinergic effects on atrial specialised tissue in the anaesthetised dog. Timour–Chah Q, et al. **Cardiovasc Res** 1983 Dec;17(12):756–61
Kinetics of acetylcholine–activated cation channel blockade by the calcium antagonist D–600 in Aplysia neurons. Slater NT, et al. **Cell Mol Neurobiol** 1983 Dec;3(4):329–44
The effects of shock energy, propranolol, and verapamil on cardiac damage caused by transthoracic countershock. Patton JN, et al. **Circulation** 1984 Feb;69(2):357–68
Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during

acute myocardial ischemia in dogs. Urquhart J, et al. **Circulation** 1984 Feb;69(2):382–90

Secretion of active and inactive renin by rabbit kidney cortex slices: effects of verapamil, flunarizine and A23187. Ginesi LM, et al. **Clin Exp Hypertens [A]** 1984;6(7):1331–43

Verapamil-induced contracture in an excised, blood-perfused skeletal muscle preparation from the dog. Sato T, et al. **Clin Exp Pharmacol Physiol** 1983 Sep–Oct;10(5):505–9

Increased serum theophylline concentrations secondary to oral verapamil. Burnakis TG, et al. **Clin Pharm** 1983 Sep–Oct;2(5):458–61

Effects of propranolol and of verapamil on heart rate and blood pressure in hyperthyroidism. Clozel JP, et al. **Clin Pharmacol Ther** 1984 Jul;36(1):64–9

Effect of coadministration of verapamil and quinidine on serum digoxin concentration. Doering W. **Eur J Clin Pharmacol** 1983;25(4):517–21

Diltiazem and verapamil: functional antagonism of exogenous noradrenaline and angiotensin II in man. Magometschnigg D, et al. **Eur J Clin Pharmacol** 1984;26(3):303–7

Influence of verapamil on the inotropism and pharmacokinetics of digoxin. Pedersen KE, et al. **Eur J Clin Pharmacol** 1983;25(2):199–206

A reserpine-like action of verapamil on cardiac sympathetic nerves. Chaudhry A, et al. **Eur J Pharmacol** 1984 Jan 13; 97(1–2):156–8

Comparison of pinaverium bromide, manganese chloride and D600 effects on electrical and mechanical activities in rat uterine smooth muscle. Mironneau J, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):99–107

Verapamil increases adrenocortical secretory reserve. Zofková I, et al. **Exp Clin Endocrinol** 1983 Jul;82(1):101–3

Effect of verapamil on reperfusion damage and calcium paradox in isolated rat heart. Alanen KA, et al. **Exp Pathol** 1984;25(3):131–8

The effect of nifedipine and verapamil on KC1-induced rhythmic contractions of guinea pig ureter in vitro. Maggi CA, et al. **Experientia** 1984 Jul 15;40(7):681–6

The cytogenetic efficiency of the antitumor agents bleomycin and peplomycin is enhanced by the heart drug verapamil (isoptin). Scheid W, et al. **Experientia** 1984 Jul 15; 40(7):746–7

Influences of extracellular calcium ions, verapamil, and calcium antagonistic cations on the positive inotropic effects mediated by alpha- and beta-adrenoceptors in the left atria of rats. Hattori Y, et al. **Gen Pharmacol** 1984; 15(2):91–7

The effect of the calcium antagonist verapamil on gastric acid secretion in humans. Sonnenberg A, et al. **Hepatogastroenterology** 1984 Apr;31(2):80–4

Calcium—verapamil interaction on the AV node [letter] Watanabe Y, et al. **Int J Cardiol** 1984 Aug;6(2):275–7

Clinical electrophysiological effects of chronic administration of verapamil: the phenomenon of overdrive excitation of junctional pacemaker. Padeletti L, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Jul;22(7):342–6

Combined actions of verapamil and contrast media on atrioventricular conduction. Influence of osmolality of the media. Peck WW, et al. **Invest Radiol** 1984 May–Jun; 19(3):202–7

Calcium-entry blockade and pressor effect of angiotensin II in normal and nephrectomized rats. Iaina A, et al. **Isr J Med Sci** 1984 Mar;20(3):207–10

Blocking effect of verapamil on conduction over a catecholamine-sensitive bypass tract in exercise-induced Wolff–Parkinson–White syndrome. Horio Y, et al. **J Am Coll Cardiol** 1984 Jul;4(1):186–91

Effects of verapamil on contraction and relaxation of cultured chick embryo ventricular cells during calcium overload. Lorell BH, et al. **J Am Coll Cardiol** 1984 Feb;3(2 Pt 1):341–8

Effect of verapamil on left ventricular function at rest and during exercise in normal men. D'Agostino HJ Jr, et al. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):812–7

Heart rate-dependent atrioventricular nodal conduction and the effects of calcium channel blocking drugs: comparison of verapamil and nifedipine. de Langen CD, et al. **J Cardiovasc Pharmacol** 1984 Mar–Apr;6(2):267–72

Interaction of external calcium concentration and verapamil on the effects of doxorubicin (adriamycin) in the isolated heart preparation. Rabkin SW. **J Cardiovasc Pharmacol** 1983 Sep–Oct;5(5):848–55

Long-term persistence of antianginal effect of oral verapamil in chronic stable angina. Zanolla L, et al. **J Cardiovasc Pharmacol** 1984 May–Jun;6(3):423–8

Verapamil enhances the toxicity of conjugates of epidermal growth factor with Pseudomonas exotoxin and antitransferrin receptor with Pseudomonas exotoxin. Akiyama S, et al. **J Cell Physiol** 1984 Sep;120(3):271–9

Inhibition by verapamil of ischemic Ca2+ uptake in the rabbit hippocampus. Hagberg H, et al. **J Cereb Blood Flow Metab** 1984 Jun;4(2):297–300

An investigation of the involvement of calcium in the control of prolactin secretion: studies with low calcium, methoxyverapamil, cobalt and manganese. Merritt JE, et al. **J Endocrinol** 1984 Jun;101(3):319–25

Cytochalasin B facilitates the inhibition of human polymorphonuclear leukocyte generation of superoxide by verapamil. Steiner RD, et al. **J Lab Clin Med** 1984 Jun; 103(6):949–58

Effects of D-600 on sodium current in squid axons. Clay JR, et al. **J Membr Biol** 1984;79(3):211–4

Verapamil protection of ischemic isolated rabbit heart: dependence on pretreatment. Bersohn MM, et al. **J Mol Cell Cardiol** 1983 Oct;15(10):659–71

An inhibitory effect of verapamil and diltiazem on the release of noradrenaline from ischaemic and reperfused hearts. Nayler WG, et al. **J Mol Cell Cardiol** 1984 Apr; 16(4):331–43

Adverse impact of a calcium entry-blocker (verapamil) on intracranial pressure in patients with brain tumors. Bedford RF, et al. **J Neurosurg** 1983 Nov;59(5):800–2

The effect on the rat isolated atria of amiodarone in the presence of either ouabain or verapamil. Bowles BJ, et al. **J Pharm Pharmacol** 1983 Dec;35(12):799–803

Differential inhibition of alpha 2-adrenoceptor-mediated pressor responses by (+)- and (–)-verapamil in pithed rats. Van Meel JC, et al. **J Pharm Pharmacol** 1983 Aug; 35(8):500–4

Differential effects of the calcium entry blocker D 600 on contractions of rat and guinea-pig aortas, elicited by various alpha-1 adrenoceptor agonists. Beckeringh JJ, et al. **J Pharmacol Exp Ther** 1984 May;229(2):515–21

Temperature-dependent modulation of [3H]nitrendipine binding by the calcium channel antagonists verapamil and diltiazem in rat brain synaptosomes. Boles RG, et al. **J Pharmacol Exp Ther** 1984 May;229(2):333–9

Influence of papaverine on spontaneous activity of isolated right atria from small mammals. Sanguinetti MC, et al. **J Pharmacol Exp Ther** 1984 Feb;228(2):500–9

Paralysis of frog skeletal muscle fibres by the calcium antagonist D-600. Eisenberg RS, et al. **J Physiol (Lond)** 1983 Aug;341:495–505

Cat ventricular muscle treated with D600: characteristics of calcium channel block and unblock. McDonald TF, et al. **J Physiol (Lond)** 1984 Jul;352:217–41

Cat ventricular muscle treated with D600: effects on calcium and potassium currents. McDonald TF, et al. **J Physiol (Lond)** 1984 Jul;352:203–16

Verapamil cardioplegia: improved myocardial preservation during global ischemia. Balderman SC, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):57–66

Effects of verapamil on preservation of renal function after ischemia: functional and ultrastructural study. Blank W, et al. **J Urol** 1984 May;131(5):992–4

Effects of EDTA and verapamil on renin release in dogs. Abe Y, et al. **Jpn J Pharmacol** 1983 Jun;33(3):627–33

Effects of local anesthetics, tetrodotoxin, aconitine and verapamil on the mechanoreceptors of isolated frog heart. Kontani H, et al. **Jpn J Pharmacol** 1983 Jun;33(3):503–13

The actions of D 600, aspaminol and papaverine on calcium-, potassium- and histamine-induced contractions of isolated rabbit basilar artery, aorta, taenia coli and tracheal smooth muscle. Ohashi M, et al. **Jpn J Pharmacol** 1983 Dec; 33(6):1135–44

Verapamil counteracts depression but not long-lasting potentiation of the hippocampal population spike. Sastry BR, et al. **Life Sci** 1984 Mar 12;34(11):1075–86

Verapamil counteracts the masking of long-lasting potentiation of hippocampal population spike produced by 2-amino-5-phosphonovalerate. Sastry BR, et al. **Life Sci** 1984 Jan 23;34(4):323–9

Verapamil: full spectrum calcium channel blocking agent: an overview. Guerrero JR, et al. **Med Res Rev** 1984 Jan–Mar;4(1):87–109 (101 ref.)

Verapamil effects on retrograde dual A-V conduction. Suárez LD, et al. **Medicina (B Aires)** 1983;43(5):541–4

Contractile responses of mammalian cerebral arteries to 15-hydroperoxyarachidonic acid vary in the presence of fusaric acid and verapamil. Asano M, et al. **Pharmacology** 1984;28(5):251–61

The influence of verapamil on calcium transport and uptake in segments of rat intestine. Pento JT, et al. **Pharmacology** 1983;27(6):343–9

Action of tetrodotoxin and verapamil on cardiac Purkinje fiber action potentials in a sodium-free, calcium-rich medium. Posner P, et al. **Pharmacology** 1983;27(4):185–91

An analysis of the postnatal development of the action potential repolarization process in the working ventricular myocardium of albino rats (effect of tea, frequency, verapamil and adrenaline). Pučelík P, et al. **Physiol Bohemoslov** 1983;32(5):419–29

Cardiovascular and renin responses to vanadate in the conscious dog: attenuation after calcium channel blockade. Sundet WD, et al. **Proc Soc Exp Biol Med** 1984 Feb; 175(2):185–90

Interaction of digoxin with verapamil, indomethacin, and other coadministered drugs: a comparative study in rat tissue. Koren G, et al. **Prog Clin Biol Res** 1983;135:417–20

Thromboxane formation during blood clotting is decreased by verapamil. Dahl ML, et al. **Prostaglandins Leukotrienes Med** 1984 Feb;13(2):217–8

Leukotriene effect in airways smooth muscle: calcium dependency and verapamil inhibition. Weiss EB, et al. **Prostaglandins Leukotrienes Med** 1983 Sep;12(1):53–66

Effects of verapamil—a calcium inhibitor—on the vasomotor response of cortical and juxtamedullary glomeruli of the human kidney. Martin-Dupont P, et al. **Renal Physiol** 1984; 7(2):72–7

Verapamil and digoxin: interactions in the rat. Kaplanski J, et al. **Res Commun Chem Pathol Pharmacol** 1983 Dec; 42(3):377–88

Characteristics of the digoxin-quinidine and digoxin-verapamil interactions in the rat kidney. Koren G, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jul; 45(1):3–18

Effect of verapamil on gastric secretion in man. Aadland E, et al. **Scand J Gastroenterol** 1983 Oct;18(7):969–71

Effects of verapamil on pulmonary haemodynamics during hypoxaemia, at rest, and during exercise in patients with chronic obstructive pulmonary disease. Brown SE, et al. **Thorax** 1983 Nov;38(11):840–4

Effects of calcium channel blockade on histamine induced bronchoconstriction in mild asthma. Walters EH, et al. **Thorax** 1984 Aug;39(8):572–5

Effect of the calcium-entry blocking agent nifedipine on activation of human platelets and comparison with verapamil. Han P, et al. **Thromb Haemost** 1983 Aug 30; 50(2):513–7

Verapamil and collagen-induced platelet reactions—evidence for a role for intracellular calcium in platelet activation. Han P, et al. **Thromb Haemost** 1983 Aug 30;50(2):537–40

Alteration in surface substructure of frog urinary bladder by calcium ionophore, verapamil and antidiuretic hormone. Mia AJ, et al. **Tissue Cell** 1983;15(5):737–48

[The effect of verapamil on the left ventricular function in hypertrophic obstructive cardiomyopathy] Guo HS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Mar; 12(1):13–6 (Eng. Abstr.) **(Chi)**

[Effect of verapamil on left ventricular function and exercise tolerance in hypertrophic cardiomyopathic patients] Zeng XH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Sep;11(3):198–201 **(Chi)**

[Effect of verapamil on left ventricular function in patients with hypertrophic cardiomyopathy] Zhao ZL. **Chung Hua Nei Ko Tsa Chih** 1983 Jul;22(7):439–41 (Eng. Abstr.) **(Chi)**

[Effect of tetrandrine and verapamil on contractility and oxygen consumption of the heart muscles] Yao WX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):97–100 (Eng. Abstr.) **(Chi)**

[Effect of verapamil, nicardipine and disodium cromoglycate on the bronchoconstrictor effects of histamine] Advenier C, et al. **J Pharmacol** 1983 Jul–Sep;14(3):273–82 (Eng. Abstr.) **(Fre)**

[Tocolysis with beta sympathomimetics alone or combined with the calcium antagonist verapamil? I. Effect of verapamil on maternal cardiovascular parameters and the course of pregnancy] Carstensen MH, et al. **Geburtshilfe Fraunheilkd** 1983 Jul;43(7):431–7 (Eng. Abstr.) **(Ger)**

[Tocolysis with beta sympathomimetics alone or combined with the calcium antagonist verapamil? Influence of verapamil on the fetus] Carstensen MH, et al. **Geburtshilfe Fraunheilkd** 1983 Aug;43(8):481–5 (Eng. Abstr.) **(Ger)**

[Effect of verapamil on chronotropic autoregulation in rabbit atria] Himmel W, et al. **Res Exp Med (Berl)** 1983; 183(3):233–6 (Eng. Abstr.) **(Ger)**

[Electrophysiological effect of verapamil on the human heart] Borbola J. **Orv Hetil** 1983 Nov 6;124(45):2745–9 (Eng. Abstr.) **(Hun)**

[The in vitro effect of verapamil on the function of mitochondria isolated from rabbit hearts perfused under conditions of aerobiosis, ischemia and reperfusion] Ferrari R, et al. **Boll Soc Ital Cardiol** 1982;27(4):351–6 **(Ita)**

[Influence of verapamil on the plasma level of digoxin in man] Merola P, et al. **Boll Soc Ital Cardiol** 1982;27(7):683–7 **(Ita)**

[Relaxation and regional myocardial stiffness in obstructive hypertrophic cardiopathy patients: effect of verapamil] Bonandi L, et al. **G Ital Cardiol** 1984 Feb;14(2):77–84 (Eng. Abstr.) **(Ita)**

[Histamine-induced contraction of the guinea pig taenia coli and its inhibition by D-600, papaverine, and benactyzine] Mukai T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):97–105 (Eng. Abstr.) **(Jpn)**

[Ba-induced contraction of the guinea pig ileal longitudinal muscle and its inhibition by D-600, benactyzine, and papaverine] Mukai T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Apr;19(2):107–114 (Eng. Abstr.) **(Jpn)**

[Prevention of functional impairments of cardiac muscle mitochondria in emotional-painful stress] Meerson FZ, et al. **Vopr Med Khim** 1984 Jan–Feb;30(1):119–21 (Eng. Abstr.) **(Rus)**

POISONING

Verapamil overdose [letter] Coaldrake LA. **Anaesth Intensive Care** 1984 May;12(2):174–5

Profound hyperglycemia and metabolic acidosis after verapamil overdose. Enyeart JJ, et al. **J Am Coll Cardiol** 1983 Dec;2(6):1228–31

Verapamil poisoning in an infant. Passal DB, et al. **Pediatrics** 1984 Apr;73(4):543–5

THERAPEUTIC USE

Orthostatic response before and after nitroglycerin in metoprolol- and verapamil-treated angina pectoris. Hyldstrup L, et al. **Acta Med Scand** 1983;214(2):131–4

The role of a slow channel inhibitor, verapamil, in the management of hypertension. Gould BA, et al. **Acta Med Scand [Suppl]** 1984;681:117–23

Antihypertensive effect of verapamil in patients with newly

discovered mild to moderate essential hypertension. Hedbäck B, et al. **Acta Med Scand [Suppl]** 1984;681:129–35

Calcium influx blockers in the treatment of essential hypertension. Hulthén UL, et al. **Acta Med Scand [Suppl]** 1984;681:101–8 (28 ref.)

Verapamil and propranolol: a comparison of two antihypertensive agents. Leonetti G, et al. **Acta Med Scand [Suppl]** 1984;681:137–41

Combined therapy with Ca-antagonists and beta-adrenergic receptor blocking agents in chronic stable angina. Lessem J. **Acta Med Scand [Suppl]** 1984;681:83–90

Verapamil or propranolol in the treatment of stable angina pectoris of effort. Sigurd B, et al. **Acta Med Scand [Suppl]** 1984;681:75–81

Evaluation of verapamil and high dose nifedipine in patients with chronic stable angina with objective methods. Subramanian VB, et al. **Acta Med Scand [Suppl]** 1984; 681:61–73

Intranasal verapamil in allergen-induced rhinitis. Secher C, et al. **Allergy** 1983 Nov;38(8):565–70

Disparate unloading efficacy of the calcium channel blockers, verapamil and nifedipine, on the failing hypertensive left ventricle. Guazzi MD, et al. **Am Heart J** 1984 Jul; 108(1):116–23

Verapamil effects in AV node reentry tachycardia with intermittent supra-Hisian AV block. Hamer AW, et al. **Am Heart J** 1984 Mar;107(3):431–9

Effects of verapamil in patients with acute myocardial infarction: hemodynamics and function of normal and ischemic left ventricular myocardium. Heikkilä J, et al. **Am Heart J** 1984 Feb;107(2):241–7

Propranolol versus verapamil for the treatment of essential hypertension. Hornung RS, et al. **Am Heart J** 1984 Sep; 108(3 Pt 1):554–60

Acute management of paroxysmal supraventricular tachycardia: verapamil, adenosine triphosphate or adenosine? Belhassen B, et al. **Am J Cardiol** 1984 Jul 1; 54(1):225–7

Electropharmacology of nonsustained ventricular tachycardia: effects of class I antiarrhythmic agents, verapamil and propranolol. Buxton AE, et al. **Am J Cardiol** 1984 Mar 1;53(6):738–44

Obstructive hypertrophic cardiomyopathy with left-sided cardiac failure: improvement after verapamil treatment. Eldar M, et al. **Am J Cardiol** 1984 Feb 1;53(4):644–5

Randomized double-blind comparison of gallopamil and propranolol in stable angina pectoris. Khurmi NS, et al. **Am J Cardiol** 1984 Mar 1;53(6):684–8

Randomized, placebo-controlled study of the effect of verapamil on exercise hemodynamics in coronary artery disease. Patton JN, et al. **Am J Cardiol** 1984 Mar 1; 53(6):674–8

Life-table methods for evaluating antiarrhythmic drug efficacy in patients with paroxysmal atrial tachycardia. Pritchett EL, et al. **Am J Cardiol** 1983 Nov 1;52(8):1007–12

Effect of verapamil on retrograde conduction in atrioventricular nodal reentrant tachycardia. Reddy CP, et al. **Am J Cardiol** 1984 Sep 1;54(6):535–43

Chronic verapamil therapy in pediatric and young adult patients with hypertrophic cardiomyopathy. Spicer RL, et al. **Am J Cardiol** 1984 Jun 1;53(11):1614–9

Combined verapamil and propranolol for supraventricular tachycardia. Yee R, et al. **Am J Cardiol** 1984 Mar 1; 53(6):757–63

Mechanism of protection by verapamil and nifedipine from anoxic injury in isolated cardiac myocytes. Cheung JY, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):C323–9

Verapamil and depression [letter] Lewis HA, et al. **Am J Psychiatry** 1984 Apr;141(4):613

Noneffectiveness of verapamil in preventing halothane-induced malignant hyperthermia in susceptible swine. McGrath CJ, et al. **Am J Vet Res** 1984 May; 45(5):935–7

Prevention and reversal of hypoxic pulmonary hypertension by calcium antagonists. Stanbrook HS, et al. **Am Rev Respir Dis** 1984 Jul;130(1):81–5

Verapamil treatment of intractable ventricular arrhythmias after cardiopulmonary bypass. Kapur PA, et al. **Anesth Analg** 1984 Apr;63(4):460–3

Tachycardia and mitral valve disease [letter] Jackson J. **Anesthesiology** 1984 Apr;60(4):389–91

Verapamil therapy in the treatment of supraventricular arrhythmias following open heart surgery. Waldo AL, et al. **Angiology** 1983 Dec;34(12):755–63

Verapamil in the treatment of asystolic and pulseless idioventricular rhythm cardiopulmonary arrests: a preliminary report. Martin GB, et al. **Ann Emerg Med** 1984 Apr;13(4):221–5

Double-blind crossover randomized trial of intravenously administered verapamil. Its use for atrial fibrillation and flutter following open heart surgery. Hwang MH, et al. **Arch Intern Med** 1984 Mar;144(3):491–4

Atrial fibrillation and flutter. Immediate control and conversion with intravenously administered verapamil. Tommaso C, et al. **Arch Intern Med** 1983 May; 143(5):877–81

Separate and combined use of verapamil, aspirin and captopril in experimental chronic pulmonary hypertension. Kentera D, et al. **Basic Res Cardiol** 1984 May–Jun; 79(3):375–8

Hypertrophic obstructive cardiomyopathy. Effects of acute and chronic verapamil treatment on left ventricular systolic and diastolic function. Anderson DM, et al. **Br Heart J** 1984 May;51(5):523–9

The effects on left ventricular performance of nifedipine and verapamil in exercise-induced angina pectoris. Silke B, et al. **Br J Clin Pharmacol** 1984 Jun;17(6):735–43

Hypoxia-induced cardiac hypertrophy in rabbits treated with verapamil and nifedipine. Dukes ID, et al. **Br J Pharmacol** 1983 Oct;80(2):241–7

Calcium antagonists in hypertension [letter] Gray HH, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):236–7

Reversal by verapamil of defect in sodium transport in leucocytes in essential hypertension. Gray HH, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):673–5

Reversal of acute experimental cerebral vasospasm by calcium antagonism with verapamil. Leblanc R, et al. **Can J Neurol Sci** 1984 Feb;11(1):42–7

The protective effects of D-600 and propranolol on reperfusion injury in the anaesthetized rabbit. Moore MM, et al. **Can J Physiol Pharmacol** 1984 Feb;62(2):212–23

The clinical and hemodynamic effects of propranolol, pindolol and verapamil in the treatment of exertional angina pectoris. Johnston DL, et al. **Can Med Assoc J** 1984 Jun 1;130(11):1449–55

Shortening of R–PP interval by verapamil in reciprocating tachycardia. Chia BL, et al. **Chest** 1983 Oct;84(4):471–2

Use of verapamil to control an inappropriate chronic sinus tachycardia. Foster MC, et al. **Chest** 1984 May;85(5):697–9

Junctional ectopic tachycardia and verapamil. Santinelli V, et al. **Chest** 1984 Jan;85(1):121–2

Verapamil pretreatment preserves mitochondrial function and tissue magnesium in the ischemic kidney. Widener LL, et al. **Circ Shock** 1984;13(1):27–37

Effects of verapamil on left ventricular systolic and diastolic function in patients with hypertrophic cardiomyopathy: pressure-volume analysis with a nonimaging scintillation probe. Bonow RO, et al. **Circulation** 1983 Nov; 68(5):1062–73

Calcium antagonists and hypothermia: the temperature dependency of the negative inotropic and anti-ischemic properties of verapamil in the isolated rat heart. Hearse DJ, et al. **Circulation** 1984 Sep;70(3 Pt 2):I54–64

Comparative effects of propranolol and verapamil alone and in combination on left ventricular function and volumes in patients with chronic exertional angina: a double-blind, placebo-controlled, randomized, crossover study with radionuclide ventriculography. Johnston DL, et al. **Circulation** 1983 Dec;68(6):1280–9

Effects of short-term administration of verapamil on left ventricular relaxation and filling dynamics measured by a combined hemodynamic-ultrasonic technique in patients with hypertrophic cardiomyopathy. TenCate FJ, et al. **Circulation** 1983 Dec;68(6):1274–9

Intravenous verapamil therapy in imminent myocardial infarction. Hasin Y, et al. **Clin Cardiol** 1983 Oct; 6(10):487–95

The effect of verapamil on myocardial exchange of free fatty acids, citrate, lactate and glucose in coronary artery disease. Bagger JP, et al. **Eur Heart J** 1983 Jun;4(6):406–14

The acute and chronic effects of verapamil on left ventricular function in patients with hypertrophic cardiomyopathy. Bonow RO, et al. **Eur Heart J** 1983 Nov;4 Suppl F:57–65

Diastolic function in hypertrophic cardiomyopathy: effects of propranolol and verapamil on diastolic stiffness. Hess OM, et al. **Eur Heart J** 1983 Nov;4 Suppl F:47–56

Long-term treatment of hypertrophic obstructive cardiomyopathy—usefulness of verapamil. Kober G, et al. **Eur Heart J** 1983 Nov;4 Suppl F:165–74

The effects of nifedipine and verapamil on antigen-induced bronchoconstriction in dogs. Malo PE, et al. **Eur J Pharmacol** 1983 Aug 19;92(1–2):69–75

In vivo effects of three calcium blockers on chickens with inherited muscular dystrophy. Hudecki MS, et al. **Exp Neurol** 1984 Jun;84(3):512–23

Calcium channel blockers and migraine [letter] Solomon GD. **Headache** 1984 Mar;24(2):117–8

What is the value of calcium antagonists for ventricular tachycardia? Wu D. **Int J Cardiol** 1984 Apr;5(4):543–7

Long-term treatment of arterial hypertension with verapamil. Wigler I, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Mar;22(3):162–6

Blood flow to infarct and surviving myocardium: implications regarding the action of verapamil on the acutely ischemic dog heart. Davenport N, et al. **J Am Coll Cardiol** 1984 Apr;3(4):956–65

Verapamil enhancement of chemotherapeutic efficacy in human bladder cancer cells. Simpson WG, et al. **J Urol** 1984 Sep;132(3):574–6

Verapamil prophylaxis of migraine. A double-blind, placebo-controlled study. Solomon GD, et al. **JAMA** 1983 Nov 11;250(18):2500–2

Flunarizine and verapamil: effects on central nervous system and peripheral consequences of cytotoxic hypoxia in rats. Dubinsky B, et al. **Life Sci** 1984 Mar 26;34(13):1299–306

Box-jellyfish cardiotoxin and i.v. verapamil [letter] Freeman SE. **Med J Aust** 1984 Jan 7;140(1):50

Verapamil in prophylactic therapy of migraine. Markley HG, et al. **Neurology (NY)** 1984 Jul;34(7):973–6

Supraventricular tachycardia in pregnancy: cardioversion with verapamil. Klein V, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):16S–18S

The effect of preventive administration of verapamil on acute ischaemic renal failure in dogs. Papadimitriou M, et al. **Proc Eur Dial Transplant Assoc** 1983;20:650–5

Myocardial preservation during anoxic arrest. Premedication with propranolol, verapamil or methylprednisolone. Vejlsted H, et al. **Scand J Thorac Cardiovasc Surg** 1983; 17(3):269–76

Reversal of adriamycin resistance by verapamil in human ovarian cancer. Rogan AM, et al. **Science** 1984 Jun 1; 224(4652):994–6

[Treatment of rhythm disorders with falicard in pulmonary resection patients in the early postoperative period] Georgiev S, et al. **Khirurgiia (Sofiia)** 1983;36(5):423–5 (Eng. Abstr.) **(Bul)**

[Use of Falicard and Sectral in patients with COPD and ischemic heart disease] Khadzhipetrov N, et al. **Vutr Boles** 1983;22(5):86–9 (Eng. Abstr.) **(Bul)**

[Treatment of paroxysmal supraventricular tachycardia and tachyarrhythmia with verapamil] Penkov N, et al. **Vutr Boles** 1984;23(1):63–9 (Eng. Abstr.) **(Bul)**

[Echocardiographic and electrocardiographic evaluation of the effects of propranolol and verapamil in obstructive hypertrophic cardiomyopathy] Crittin J, et al. **Ann Cardiol Angeiol (Paris)** 1984 Apr;33(3):185–9 (Eng. Abstr.) **(Fre)**

[Idiopathic ventricular tachycardia with right block and left axis sensitive to verapamil. An electrophysiologic electrocardiographic entity (letter)] Belhassen B, et al. **Presse Med** 1984 Apr 14;13(16):1005 **(Fre)**

[Verapamil: antiangina effects] Duchêne-Marullaz P. **Therapie** 1984 Mar–Apr;39(2):153–65 (59 ref.) (Eng. Abstr.) **(Fre)**

[Comparison of the anti-angina effectiveness of gallopamil to isosorbide dinitrate in long-term medication] Kroesen P. **Med Welt** 1983 Dec 16;34(50):1437–40 **(Ger)**

[Hypertrophic obstructive cardiomyopathy: spontaneous course in comparison to long-term therapy with propranolol and verapamil] Haberer T, et al. **Z Kardiol** 1983 Sep;72(9):487–93 (Eng. Abstr.) **(Ger)**

[Modification of hemodynamics in tachycardiac atrial fibrillation by metoprolol and verapamil] Maier WD, et al. **Z Kardiol** 1983 Aug;72(8):465–70 (Eng. Abstr.) **(Ger)**

[Regularization of ventricular intervals in atrial fibrillation—electrophysiologic findings on the underlying mechanism] Neuss H, et al. **Z Kardiol** 1984 Feb; 73(2):106–12 (Eng. Abstr.) **(Ger)**

[Acute and long-term effects of gallopamil (D 600) in stable angina pectoris—a randomized double-blind study] Rettig G, et al. **Z Kardiol** 1983 Dec;72(12):746–54 (Eng. Abstr.) **(Ger)**

[Double-blind comparison between verapamil and propranolol in the therapy of unstable angina] Capucci A, et al. **Boll Soc Ital Cardiol** 1982;27(5):447–52 **(Ita)**

[Evaluation of the efficacy of verapamil in a slow-release preparation in the treatment of stable exertion angina] Scrutinio D, et al. **Boll Soc Ital Cardiol** 1982 Oct; 27(10):963–71 (Eng. Abstr.) **(Ita)**

[Efficacy of chronic treatment with verapamil of patients with spontaneous angina] Zoni Berisso M, et al. **Boll Soc Ital Cardiol** 1983 Mar;28(3):237–44 (Eng. Abstr.) **(Ita)**

[Increased digitalis-like activity in combined administration of calcium antagonists and digitalis preparations] De Cesaris R, et al. **G Ital Cardiol** 1983 Sep;13(9):188–91 (Eng. Abstr.) **(Ita)**

[Effect of verapamil on retrograde conduction in ventricular tachycardia. Description of a case] Cavallini B, et al. **Minerva Cardioangiol** 1984 Apr;32(4):231–3 (Eng. Abstr.) **(Ita)**

[Effects of verapamil on supraventricular tachycardia—electrophysiological study] Ishinaga T, et al. **Kokyu To Junkan** 1983 Dec;31(12):1347–54 (Eng. Abstr.) **(Jpn)**

[Effects of verapamil on cardiac performance] Câmpeanu A, et al. **Rev Med Interna [Med Interna]** 1984 Jan–Feb; 36(1):87–96 **(Rum)**

[Effect of isoptin on the microcirculation of hypertension patients] Agapova EN, et al. **Kardiologiia** 1984 May; 24(5):101–2 **(Rus)**

[Changes in the physical load tolerance of stenocardia patients taking obzidan, korinfar and izoptin separately and together] Katsenovich RA, et al. **Kardiologiia** 1984 Jun; 24(6):69–73 (Eng. Abstr.) **(Rus)**

[Comparative study of the effectiveness of korinfar, izoptin and obzidan in patients with variant stenocardia combined with effort stenocardia] Shevchenko OP, et al. **Kardiologiia** 1984 Jun;24(6):64–9 (Eng. Abstr.) **(Rus)**

[Effect of isoptin on the secretory and bioelectrical activity of the stomach in duodenal ulcer] Orlikov GA. **Sov Med** 1983;(9):50–2 (Eng. Abstr.) **(Rus)**

[Structural changes in the myocardium in experimental acute coronary insufficiency and as affected by pharmacological agents] Tereshchenko VP. **Vrach Delo** 1984 Jul;(7):58–60 (Eng. Abstr.) **(Rus)**

[The effect of verapamil on latent ventricular pre-excitation] Hluchý J, et al. **Vnitr Lek** 1984 Feb;30(2):175–81 (Eng. Abstr.) **(Slo)**

[Effect of verapamil on the induction and maintenance of paroxysmal supraventricular tachycardias] García Civera R, et al. **Rev Esp Cardiol** 1983;36(4):319–28 (Eng. Abstr.) **(Spa)**

[Verapamil – an alternative in hypertension therapy] Ottander C. **Lakartidningen** 1983 Oct 5;80(40):3661–3 **(Swe)**

TOXICITY

Verapamil worsens rate of development and hemodynamic effects of acute hyperkalemia in halothane-anesthetized dogs: effects of calcium therapy. Nugent M, et al. **Anesthesiology** 1984 May;60(5):435-9

Verapamil inhibits influenza A virus replication. Nugent KM, et al. **Arch Virol** 1984;81(1-2):163-70

Potentiation of etoposide-induced DNA damage by calcium antagonists in L1210 cells in vitro. Yalowich JC, et al. **Cancer Res** 1984 Aug;44(8):3360-5

Charge movement in skeletal muscle fibers paralyzed by the calcium-entry blocker D600. Hui CS, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2582-5

[Comparative study of the effect of verapamil and tubocurarine on acetylcholinesterase of skeletal muscle sarcolemma] Diadiusha GP, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):513-6 (Eng. Abstr.) **(Rus)**

VERATRIDINE see under **VERATRINE**

VERATRINE

ANALOGS & DERIVATIVES

The effect of some drugs with purported antianoxic effect on veratridine-induced purine release from isolated rat hypothalamic synaptosomes. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):236-44

Depolarization of mouse forebrain minces with veratridine and high K+: failure to stimulate the Ca2+ independent, spontaneous release of acetylcholine from the cytoplasm due to hydrolysis of the acetylcholine stored there. Carroll PT, et al. **Brain Res** 1984 Jan 23;291(2):261-72

CNS stimulation and PGE2 release. I. Depolarizing agents. Divinetz Romero S, et al. **Brain Res** 1984 Jun 15; 303(2):375-83

Veratridine-induced release in vivo and in vitro of amino acids in the rabbit olfactory bulb. Jacobson I, et al. **Brain Res** 1984 May 7;299(1):103-12

Release of 3,4-dihydroxyphenylglycol from the rat tail artery induced by veratridine. Palatý V. **Can J Physiol Pharmacol** 1984 Jan;62(1):151-2

Veratridine and ouabain stimulate calcium-dependent prolactin release. Scammell JG, et al. **Endocrinology** 1983 Oct;113(4):1228-35

Stimulation of DOPA synthesis in the superior cervical ganglion by veratridine. Horwitz J, et al. **J Neurochem** 1984 Feb;42(2):384-9

Astrocytes in primary culture have chemically activated sodium channels. Bowman CL, et al. **J Neurosci** 1984 Jun; 4(6):1527-34

Release of [3H]gamma-aminobutyric acid from glial (Müller) cells of the rat retina: effects of K+, veratridine, and ethylenediamine. Sarthy PV. **J Neurosci** 1983 Dec; 3(12):2494-503

Ethanol inhibits veratridine-stimulated sodium uptake in synaptosomes. Mullin MJ, et al. **Life Sci** 1984 Jan 16; 34(3):287-92

Tetrodotoxin-sensitive and -resistant effects of veratridine on the noradrenergic neurone of the rat vas deferens. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1983 Dec; 324(4):264-70

Anion dependent swelling of crab nerve fibers during potassium- and veratridine depolarization. Iwasa K. **Physiol Chem Phys** 1982;14(6):503-12

ISOLATION & PURIFICATION

[Comparative evaluation of the general methods of isolating veratrine from cadaveric material] Mironova TV. **Sud Med Ekspert** 1984 Apr-Jun;27(2):47-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of aconitine and veratrine on the isolated perfused heart of the common eel (Anguilla anguilla L.). Pennec JP, et al. **Comp Biochem Physiol [C]** 1984;77(2):367-9

Action and mechanism of action of veratrine on renin secretion from rat kidney slices. Churchill PC, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):27-31

[Interaction of tetrodotoxin-sensitive structures of soluble cardiac muscle proteins with liposomes] Gimmel'reikh NG, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):548-51 (Eng. Abstr.) **(Rus)**

VERATRUM ALKALOIDS

PHARMACODYNAMICS

Muscarinic acetylcholine receptors in neuroblastoma cells: lack of effect of Veratrum alkaloids on receptor number. Milligan G, et al. **J Neurochem** 1984 Jul;43(1):33-41

Lack of cross-tolerance between disodium cromoglycate and veratrum alkaloids. Watkins RW, et al. **Pharmacol Res Commun** 1984 May;16(5):447-50

VERBAL BEHAVIOR

see related
LANGUAGE DISORDERS
SPEECH DISORDERS

The development of verbal communicative skills in children. Schmidt CR, et al. **Adv Child Dev Behav** 1984;18:1-47

Effects of sex and label on performance ratings, children's test scores, and examiners' verbal behavior. Burdg NB, et al. **Am J Ment Defic** 1984 Jan;88(4):422-7

Efficacy of a verbal training sequence on the sorting performance of moderately and severely mentally retarded adolescents. Wacker DP, et al. **Am J Ment Defic** 1984 May; 88(6):653-60

Development of hand-eye dominance in relation to verbal self-regulation of motor behavior. Nagae S. **Am J Psychol** 1983 Winter;96(4):539-52

Development of intraverbal behavior in mentally retarded individuals through transfer of stimulus control procedures: classification of verbal responses. Braam SJ, et al. **Appl Res Ment Retard** 1983;4(4):279-302

Discriminant analysis of depressive interactions. Linden M, et al. **Behav Modif** 1983 Jul;7(3):403-22

Correlates of changes in personal construing of members of two psychotherapy groups: changes in affective expression. Koch HC. **Br J Med Psychol** 1983 Dec;56 (Pt 4):323-7

Interactional correlates of expressed emotion in the families of schizophrenics. Miklowitz DJ, et al. **Br J Psychiatry** 1984 May;144:482-7

Improving medical meetings. I--Educate speakers and chairmen of sessions in advance. Richmond DE. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1201-2

Reconstructive retrieval deficits in Broca's aphasia. Cermak LS, et al. **Brain Lang** 1984 Jan;21(1):95-104

The past as resource. A conversational analysis of elderly talk. Boden D, et al. **Hum Dev** 1983;26(6):308-19

Speech competence in manic and schizophrenic psychoses: the association between clinically rated thought disorder and cohesion and reference performance. Harvey PD. **J Abnorm Psychol** 1983 Aug;92(3):368-77

Remarks made by old people during venipuncture. Mulley GP, et al. **J Am Geriatr Soc** 1984 Feb;32(2):160-1

Why do autistic children talk so literally? [letter] Eshkevari HS. **J Autism Dev Disord** 1983 Sep;13(3):333

Generality in the verbal tacting of autistic children as a function of 'naturalness' in antecedent control. Woods TS. **J Behav Ther Exp Psychiatry** 1984 Mar;15(1):27-32

Group modification of affective verbalizations: reinforcement and therapist style effects. Fromme DK, et al. **J Clin Psychol** 1983 Nov;39(6):893-900

Mother-child dialogues: a comparison of normal and language impaired children. Conti-Ramsden G, et al. **J Commun Disord** 1984 Feb;17(1):19-35

Teaching clinic conference participant interaction. Dowling S. **J Commun Disord** 1983 Sep;16(5):385-97

Child variables influencing maternal speech style. Deaf and hearing children. Nienhuys TG, et al. **J Commun Disord** 1984 Jun;17(3):189-207

Speaking to and about patients: predicting therapists' tone of voice. Rosenthal R, et al. **J Consult Clin Psychol** 1984 Aug;52(4):679-86

Verbal and visuospatial performance in male alcoholics: a test of the premature-aging hypothesis. Shelton MD, et al. **J Consult Clin Psychol** 1984 Apr;52(2):200-6

Operant theory and methodology in infant vocal conditioning. Poulson CL. **J Exp Child Psychol** 1984 Aug; 38(1):103-13

Differential reinforcement of other-than-vocalization as a control procedure in the conditioning of infant vocalization rate. Poulson CL. **J Exp Child Psychol** 1983 Dec; 36(3):471-89

Effects of mutual invisibility and topical intimacy on verbal fluency in dyadic communication. Siegman AW, et al. **J Psycholinguist Res** 1983 Sep;12(5):443-55

Paired gestural and vocal behavior in one-year-old cleft lip and palate children. Long NV, et al. **J Speech Hear Disord** 1982 Nov;47(4):403-6

'Can you give me that one?': The comprehension, production and judgment of directives in language-impaired children. Prinz PM, et al. **J Speech Hear Disord** 1983 Feb;48(1):44-54

Some observations concerning premeaningful vocalizations of hearing--impaired infants [letter] Smith BL. **J Speech Hear Disord** 1982 Nov;47(4):439-41

The use of threats in children's discourse. Benoit PJ. **Lang Speech** 1983 Oct-Dec;26 (Pt 4):305-29

Speech etiquette in a sheltered workshop. Turner JL, et al. **Monogr Am Assoc Ment Defic** 1984;(6):43-71

The effect of verbal mediators on the pictorial memory of brain-damaged patients. Butters N, et al. **Neuropsychologia** 1983;21(4):307-23

Lateralized interference of repetitive finger tapping: influence of familial handedness, cognitive load and verbal production. Kee DW, et al. **Neuropsychologia** 1983; 21(6):617-24

Evoked potential correlates of recovery from aphasia after focal left hemisphere injury in adults. Papanicolaou AC, et al. **Neurosurgery** 1984 Apr;14(4):412-5

Varix of the vocal cord in the professional voice user. Feder RJ. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):435-6

Description of pain and the degree to which the complaints fit the organic diagnosis of low back pain. Oostdam EM, et al. **Pain** 1984 Jan;18(1):71-82

Analysis of adult-neonate synchrony during speech and nonspeech. Austin AM, et al. **Percept Mot Skills** 1983 Oct; 57(2):455-9

Some data concerning a sensorimotor versus semiotic processing in a form-recognition task. Benoit-Dubrocard S, et al. **Percept Mot Skills** 1984 Jun;58(3):999-1006

Differentiation of malicious and non-malicious fire-alarm calls using multidimensional scaling. Comber M, et al. **Percept Mot Skills** 1983 Oct;57(2):460-2

Overt and covert verbalization in normal and learning disabled children's problem solving. Wilder L, et al. **Percept Mot Skills** 1984 Jun;58(3):976-8

Children's photograph selections and verbal reports in a spatial task. Calam RM. **Perception** 1983;12(5):599-606

The analyst's words: empathy and countertransference. Poland WS. **Psychoanal Q** 1984 Jul;53(3):421-4

Analysis of verbal interactions of A-B type therapists during therapy. Stoltenberg CD, et al. **Psychol Rep** 1983 Aug; 53(1):115-20

Use of the Gottschalk-Gleser Verbal Content Analysis Scales with medically ill patients. Lebovits AH, et al. **Psychosom Med** 1983 Aug;45(4):305-20 (68 ref.)

Hyperactive children: a study of the content analysis of their speech. Gottschalk LA, et al. **Psychother Psychosom** 1984; 41(3):125-35

Encouraging linguistic interactions between severely mentally handicapped children and teachers in special schools. Harris J. **Spec Educ Forward Trends** 1984 Jun; 11(2):17-24

[Capacities for referential communication in mentally handicapped speakers] Lambert JL, et al. **Neuropsychiatr Enfance Adolesc** 1983 Jul;31(7):323-7 (Eng. Abstr.) **(Fre)**

[Do vocal stress and vocal habits modify the conclusion of voice change?] Ackermann R. **Folia Phoniatr (Basel)** 1984; 36(3):119-21 (Eng. Abstr.) **(Ger)**

[Auditive analysis (a new method in group psychotherapy research] Kornjeva TV, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Nov; 35(11):661-5 (Eng. Abstr.) **(Ger)**

[Analysis of the verbal reaction behavior of parents in parent-child interactions as a method of diagnosing change in parent training using the Rorschach test] Mladek G. **Psychiatr Neurol Med Psychol (Leipz)** 1983 Oct; 35(10):611-7 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of alcohol on a sentence-picture verification task. Hartley L, et al. **Ergonomics** 1984 Feb;27(2):195-203

Verbal responding under a fixed-interval schedule: effects of D-amphetamine. Stitzer ML. **Pharmacol Biochem Behav** 1984 Jul;21(1):67-72

Neuropsychological deficit in chronic alcoholism: early detection and prediction by analysis of verbal behavior. Gottschalk LA, et al. **Subst Alcohol Actions Misuse** 1983; 4(1):45-58

PHYSIOLOGY

Do concurrent verbal memory loads influence the verbal laterality pattern in the bilateral task? Duda PD. **Brain Lang** 1983 Sep;20(1):65-78

Comments on the interpretation of lateral asymmetries in the naming of words and line drawings. Young AW, et al. **Brain Lang** 1983 Sep;20(1):166-71

Hand movement asymmetries during verbal and nonverbal tasks. Hampson E, et al. **Can J Psychol** 1984 Mar; 38(1):102-25

Interhemispheric transmission of information in manual and verbal reaction-time tasks. Tassinari G, et al. **Hum Neurobiol** 1983;2(2):77-85

Stylus-maze performance in patients with frontal-lobe lesions: effects of signal valency and relationship to verbal and spatial abilities. Canavan AG. **Neuropsychologia** 1983; 21(4):375-82

Vocal responses to left visual stimuli following forebrain commissurotomy. Johnson LE. **Neuropsychologia** 1984; 22(2):153-66

Bilateral visual cross-integration by human forebrain commissurotomy subjects. Johnson LE. **Neuropsychologia** 1984;22(2):167-75

Interhemispheric functional relations during conditioning in man. Kostandov EA, et al. **Neurosci Behav Physiol** 1983 May-Jun;13(3):151-7

Is verbal behavior confined to the speech apparatus? [editorial] McGuigan FJ. **Pavlov J Biol Sci** 1983 Oct-Dec; 18(4):216-7

[Internal verbalization and recognition performance in patients with unilateral cortical lesions] Guth U, et al. **Nervenarzt** 1984 Jun;55(6):312-6 **(Ger)**

[Relationship between verbal information processing and CNV pattern: effects of the numbers of letter and word upon CNV components] Kakigi S, et al. **Shinrigaku Kenkyu** 1983 Aug;54(3):196-9 (Eng. Abstr.) **(Jpn)**

[Characteristics of the latent states of short-term verbal memory in patients with sequelae of cerebral circulatory disorders] Lebedev AA, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1318-22 (Eng. Abstr.) **(Rus)**

[Elaboration of a conditioned reflex in chronic alcoholics using an unrecognizable motivationally significant word] Genkina OA, et al. **Zh Vyssh Nerv Deiat** 1983 Nov-Dec; 33(6):1010-8 (Eng. Abstr.) **(Rus)**

[EEG study of the functional organization of the right and left hemisphere during solution of verbal and spatial problems] Goman RI, et al. **Zh Vyssh Nerv Deiat** 1984 May-Jun;34(3):412-20 (Eng. Abstr.) **(Rus)**

VERBAL LEARNING

see related
LANGUAGE DISORDERS

The effect of noise on learning and retention. Krýsa I. **Act Nerv Super (Praha)** 1983 Dec;25(4):299–303

Residual verbal learning capability: two patients with amnesia caused by a left occipital lesion. Grossi D, et al. **Acta Neurol (Napoli)** 1984 Jun;6(3):215–21

The distance between repeated demonstrations of a stimulus and its effect on verbal learning. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:117–46

The effect of similarity structure in the set of responses on verbal learning. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1976;80:91–115

Categorical list differentiation by mentally retarded adolescents as a function of transfer list composition and response mode. Evans RA. **Am J Ment Defic** 1983 Sep; 88(2):187–93

Generalized action–object verbal instruction–following by profoundly mentally retarded adults. McCuller WR, et al. **Am J Ment Defic** 1984 Jan;88(4):442–5

Dissociations between skill learning and verbal recognition in amnesia and dementia. Martone M, et al. **Arch Neurol** 1984 Sep;41(9):965–70

Verbal fluency as a function of a measure of verbal intelligence and in relation to different types of cerebral pathology. Miller E. **Br J Clin Psychol** 1984 Feb;23 (Pt 1):53–7

Spelling errors in context. Sterling CM. **Br J Psychol** 1983 Aug;74 (Pt 3):353–64

Immediate memory span, recognition memory for subspan series of words, and serial position effects in recognition memory for supraspan series of verbal and nonverbal items in Broca's and Wernicke's aphasia. Ostergaard AL, et al. **Brain Lang** 1984 May;22(1):1–13

Contextual cues and release from proactive inhibition in young and old people. Moscovitch M, et al. **Can J Psychol** 1983 Sep;37(3):331–44

Nonlinguistic memory in aphasia. Grober E. **Cortex** 1984 Mar;20(1):67–73

Interhemispheric effects in short–term recognition memory for single words. Leiber L. **Cortex** 1982 Apr;18(1):113–24

Verbal Concept Attainment Test: cross–validation and validation of a booklet form. Bornstein RA. **J Clin Psychol** 1983 Sep;39(5):743–5

Rey Auditory–Verbal Learning Test performance of patients with and without memory impairment. Rosenberg SJ, et al. **J Clin Psychol** 1984 May;40(3):785–7

Percentage of WAIS–R standardization sample obtaining Verbal–Performance discrepancies. Grossman FM. **J Consult Clin Psychol** 1983 Aug;51(4):641–2

Information processing in reading–disabled and nondisabled children. Bauer RH, et al. **J Exp Child Psychol** 1984 Apr; 37(2):271–81

Semantic processing can facilitate free recall in mildly retarded adolescents. Glidden LM, et al. **J Exp Child Psychol** 1983 Dec;36(3):510–32

Locus of control and depth of processing in children. Thal JS, et al. **J Gen Psychol** 1983 Jul;109(1st Half):31–42

Selective visual interference with right hemisphere performance in verbal recall. A divided field study. Spinnler H, et al. **Neuropsychologia** 1984;22(3):353–61

Relationship between grammatical errors on Rotter's scale and performance on educational tests for students suspected of having learning problems. Eno L, et al. **Percept Mot Skills** 1984 Feb;58(1):75–8

Short–term memory for colors and color names. Allen CK. **Psychol Rep** 1983 Oct;53(2):579–82

The effect of sleep before or after learning on memory. Grosvenor A, et al. **Sleep** 1984;7(2):155–67

[Factor analyses of evoked potentials in stimulus processing and memory search] Korte W, et al. **Z Exp Angew Psychol** 1984;31(2):232–45 (Eng. Abstr.) **(Ger)**

[Subclinical deficit in the memory of chronic alcoholics. Comparison between 2 learning tests] Nichelli P, et al. **Riv Patol Nerv Ment** 1983 May–Jun;103(3):133–45 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Effects of two doses of methylphenidate on verbal information processing in hyperactive children. Peeke S, et al. **J Clin Psychopharmacol** 1984 Apr;4(2):82–8

PHYSIOLOGY

The brain–trigger design. A powerful tool to investigate brain–behavior relations. Guttmann G, et al. **Ann NY Acad Sci** 1984;425:671–5

Event–related potentials during naming. Stuss DT, et al. **Ann NY Acad Sci** 1984;425:278–82

Adult age differences in the use of story structure in delayed free recall. Smith SW, et al. **Exp Aging Res** 1983 Fall; 9(3):191–5

Evoked potential correlates of left hemisphere dominance in covert articulation. Papanicolaou AC, et al. **Int J Neurosci** 1983 Sep;20(3–4):289–93

VERMIFUGES see **ANTHELMINTICS**

VERNAMYCINS see **VIRGINIAMYCINS**

VERRUCA see **WARTS**

VERSION, FETAL see under **DELIVERY**

VERTEBRAL ARTERY

Vertebral artery embolization for control of massive hemorrhage. Bergsjordet B, et al. **AJNR** 1984 Mar–Apr; 5(2):201–3

Vertebrovertebral arteriovenous fistula. A complication of internal jugular catheterisation. Robinson PN, et al. **Anaesthesia** 1984 Jan;39(1):46–7

Vertebro–basilar arterial occlusion in childhood—report of a case and review of the literature. Echenne B, et al. **Brain Dev** 1983;5(6):577–81

Fibromuscular dysplasia of cephalic and renal arteries. Swamy HS, et al. **Clin Neurol Neurosurg** 1983;85(3):169–74

Dissecting aneurysm of intracranial vertebral artery: case report and review of literature. Manz HJ, et al. **J Neurol** 1983;230(1):25–35

Spontaneous vertebral arterio–venous fistula associated with fibro–muscular dysplasia. Report of two cases. Bahar S, et al. **Neuroradiology** 1984;26(1):45–9

Acute traumatic vertebral arteriovenous fistula: balloon occlusion with the use of a contralateral approach. Miller RE, et al. **Neurosurgery** 1984 Feb;14(2):225–9

Medial medullary infarction from fibrocartilaginous embolism to the anterior spinal artery. Kase CS, et al. **Stroke** 1983 May–Jun;14(3):413–8

Vertebral–basilar posterior cerebral territory stroke—delineation by proton nuclear magnetic resonance imaging. Kistler JP, et al. **Stroke** 1984 May–Jun; 15(3):417–26

Vertebral artery stenosis: long–term follow–up. Moufarrij NA, et al. **Stroke** 1984 Mar–Apr;15(2):260–3

Cerebral blood flow in the four–vessel occlusion rat model [letter] Pulsinelli WA, et al. **Stroke** 1983 Sep–Oct; 14(5):832–4

Moyamoya disease associated with bilateral occlusion of the vertebral artery. Miyamoto S, et al. **Surg Neurol** 1984 Jul; 22(1):21–8

A dissecting aneurysm of the vertebral artery. Miyazaki S, et al. **Surg Neurol** 1984 Feb;21(2):171–4

A new approach to the treatment of vertebral arteriovenous fistulas. Fairman RM, et al. **Surgery** 1984 Jan;95(1):112–5

A tumor–simulating giant aneurysm of the vertebral artery. Case report. Dolenc V. **Zentralbl Neurochir** 1983; 44(3):215–20

Arteriovenous fistula of the vertebral artery. Case report. Vorkapić P, et al. **Zentralbl Neurochir** 1984;45(1):63–8

[Vertebral–basilar aneurysm] Huang S. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Jun; 16(3):184–9 **(Chi)**

[Dissecting aneurysms of the internal carotid, vertebral and cerebral arteries] Drábek P. **Cesk Neurol Neurochir** 1983 Nov;46(6):413–23 (Eng. Abstr.) **(Cze)**

[Prevention of vascular spasm during hyperselective carotid–vertebral catheterization] Bigot A, et al. **Agressologie** 1983 May;24(6):269–70 **(Fre)**

[Contribution of real time echotomography to evaluation of cervico–encephalic atheromatous disease] Baud JM, et al. **J Mal Vasc** 1983;8(3):239–44 (Eng. Abstr.) **(Fre)**

[Doppler ultrasonography of the vertebral arteries of young persons: definition of normal parameters] Paludetti G, et al. **G Clin Med** 1983 May–Jun;64(5–6):167–81 (Eng. Abstr.) **(Ita)**

[Transitory protracted blindness in hemicrania as a result of vasospasm caused by vertebral angiography] Castorina G, et al. **Riv Neurol** 1984 May–Jun;54(3):169–78 (Eng. Abstr.) **(Ita)**

[Dissecting aneurysm of the vertebro–basilar artery. Case report] Yokoyama M, et al. **Neurol Med Chir (Tokyo)** 1984 May;24(5):343–8 (Eng. Abstr.) **(Jpn)**

[Extrathoracic reconstructive surgery in the brachiocephalic zone] Izmukhanov AK, et al. **Klin Khir** 1983 Jul;(7):4–6 (Eng. Abstr.) **(Rus)**

[Problems in the diagnosis of circulatory disorders in the vertebrobasilar system] Vereshchagin NV. **Klin Med (Mosk)** 1983 Sep;61(9):3–9 (11 ref.) (Eng. Abstr.) **(Rus)**

[Surgery of extracranial aneurysms of the carotid and vertebral arteries] Kniazev MD, et al. **Vestn Khir** 1983 Sep; 131(9):9–13 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The association of a retroesophageal right subclavian artery, a right–sided terminating thoracic duct, and a left vertebral artery of aortic origin: anatomical and clinical considerations. Nathan H, et al. **Acta Anat (Basel)** 1983; 117(4):362–73

Clinical–angiographic correlations in 132 patients with megadolichovertebrobasilar anomaly. Resta M, et al. **Neuroradiology** 1984;26(3):213–6

Cerebral infarction related to neck position [letter] Zimmerman AW. **Pediatrics** 1984 Apr;73(4):573

[Thrombosis of the common carotid artery with an anastomosis between the carotid and vertebral artery. Clinical and angiographic study] Koranda I. **Cesk Radiol** 1984 May;38(3):184–90 (Eng. Abstr.) **(Cze)**

[Peroperative embolization of arteriovenous malformations arising from the vertebral artery] George B, et al. **Neurochirurgie** 1984;30(4):269–72 (Eng. Abstr.) **(Fre)**

[Cervical aortic arch. Apropos of a case] Lecomte J, et al. **Poumon Coeur** 1983;39(6):315–9 (Eng. Abstr.) **(Fre)**

[Surgical experience in 49 cases of arteriovenous malformations of the vertebrobasilar system] Cigliano A, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):459–69 (Eng. Abstr.) **(Ita)**

[Epilepsy caused by vascular insufficiency as a result of a malformation in a child] Maiuri F, et al. **Riv Neurol** 1983 May–Jun;53(3):186–92 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Distribution of the blood flow supplied by the vertebral artery in humans as assessed by emission CT. Taki W, et al. **Stroke** 1984 May–Jun;15(3):469–74

INJURIES

The 'Locked–In' syndrome following chiropractic manipulation of the cervical spine. Horn SW 2d. **Ann Emerg Med** 1983 Oct;12(10):648–50

Traumatic false aneurysm of the vertebral artery. Wiener I, et al. **J Trauma** 1984 Apr;24(4):346–9

Dormant foramen magnum meningioma 'activated' by chiropractic manipulation [letter] Weintraub MI. **NY State J Med** 1983 Jul–Sep;83(8–10):1039–40

Brain stem infarction due to chiropractic manipulation of the cervical spine. Braun IF, et al. **South Med J** 1983 Dec; 76(12):1507–10 (14 ref.)

Posttraumatic vertebral artery aneurysm and arteriovenous fistula: a case report. Roper PR, et al. **Surgery** 1984 Sep; 96(3):556–9

[Surgical tactics in injuries of the major cervical blood vessels] Avgust VK, et al. **Vestn Khir** 1984 Jan;132(1):81–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Electron microscopy findings in the large cerebral arteries in death caused by hemorrhage] Krauland W, et al. **Beitr Gerichtl Med** 1984;42:57–63 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Delayed reversal of vertebral artery blood flow following percutaneous transluminal angioplasty for subclavian steal syndrome. Ringelstein EB, et al. **Neuroradiology** 1984; 26(3):189–98

[Condition of the internal arterial and microcirculatory bed of the neck muscles of the dog after simultaneous ligation of the common carotid and vertebral arteries] Dyskin EA, et al. **Arkh Anat Gistol Embriol** 1984 May;86(5):31–43 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Carotid–vertebral digital subtraction angiography—a neurologist's view. Dawson DM. **Cardiovasc Intervent Radiol** 1983;6(4–6):201–2

Carotid–vertebral digital subtraction angiography—a surgeon's view. Strandness DE Jr. **Cardiovasc Intervent Radiol** 1983;6(4–6):203–4

Intravenous digital subtraction angiography (DSA) of the extracranial and intracranial carotid and vertebral artery circulations. Bharucha NE, et al. **J Assoc Physicians India** 1983 Apr;31(4):243–4

[Trial of iopamidol in internal and external carotid and vertebral arteriography] Doyon D, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):735–6 (Eng. Abstr.) **(Fre)**

[Angiographic study of the supra–aortic trunks using iopamidol. Apropos of 30 cases] Drouillard J, et al. **Ann Radiol (Paris)** 1983 Dec;26(8 Pt 2):729–34 (Eng. Abstr.) **(Fre)**

[Dissection of the vertebral arteries after manipulation of the cervical spine. Apropos of a case] Cellerier P, et al. **J Radiol** 1984 Mar;65(3):191–6 (Eng. Abstr.) **(Fre)**

[Widening of a cervical intervertebral foramen by a vertebral megadolichoartery (letter)] Gatti JM, et al. **Presse Med** 1983 Sep 24;12(33):2056 **(Fre)**

[Study on the vertebro–basilar system in 'moyamoya' disease] Miyamoto S, et al. **No To Shinkei** 1984 May;36(5):491–9 (Eng. Abstr.) **(Jpn)**

[Vertebral angiography in cases of severe vertigo and dizziness] Morimoto T, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):731–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical repair of vertebral artery stenoses. Thevenet A, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):101–10

Carotid to distal vertebral artery bypass for vertebrobasilar ischemia. Case report. Camp PE. **J Neurosurg** 1984 Jan; 60(1):187–9

Vertebrobasilar occlusion therapy of giant aneurysms. Significance of angiographic morphology of the posterior communicating arteries. Pelz DM, et al. **J Neurosurg** 1984 Mar;60(3):560–5

Anastomosis of the superior thyroid artery to the vertebral artery for vertebrobasilar insufficiency. Kojima T, et al. **Surg Neurol** 1983 Dec;20(6):481–6

Vascular transposition for vertebral basilar insufficiency. Pfeiffer RB Jr, et al. **Va Med** 1984 Apr;111(4):212–4

[Revascularization of the distal vertebral artery (3d segment). Indications in the treatment of vertebrobasilar insufficiency] Laurian C, et al. **Sem Hop Paris** 1984 Feb

16;60(8):547–52 (Eng. Abstr.) (Fre)
[Surgery of the vertebral arteries] Agrifoglio G. **Minerva Cardioangiol** 1984 Jan–Feb;32(1–2):1–4 (Ita)
[Ligation of the 3d portion of the vertebral artery] Kalimullin KhA, et al. **Vestn Khir** 1983 Nov;131(11):71–2 (Rus)
[Reconstructive surgery in lesions of the vertebral artery] Pokrovskiĭ AV, et al. **Vestn Khir** 1983 Nov;131(11):5–10 (Eng. Abstr.) (Rus)

VERTEBRAL ARTERY INSUFFICIENCY see **VERTEBROBASILAR INSUFFICIENCY**

VERTEBRATE VIRUSES

General information on the vertebrate virus data bank 'DAISY': first report. Bachmann PA, et al. **Intervirology** 1984;21(4):229–31
Is there an indigenous viral flora in man? Michalski FJ. **J Med Soc NJ** 1984 Feb;81(2):121–3
Abstracts of papers presented at the 7th workshop of the Virology Section of the Deutsche Gesellschaft für Hygiene und Mikrobiologie, Mainz, Sept.30–Oct.2, 1982. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Apr; 254(2):147–86
Abstracts of papers presented at the 8th workshop of the Virology Section of the Deutsche Gesellschaft für Hygiene und Mikro–biologie, Würzburg, March 17–19, 1983. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):157–95
[Viruses in sewage sludge: epidemiological factors and practical conditions for effective hygienization] Siegl G. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):661–6 (Ger)

CLASSIFICATION

Recent advances in classification of viruses of vertebrates. Nász I, et al. **Ther Hung** 1981;29(1):5–14 (9 ref.)
[Comparative study of animal viruses and a model design of their evolutionary relations] Ageeva ON, et al. **Vopr Virusol** 1983 Nov–Dec;28(6):728–33 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Antiviral effects of bovine interferons on bovine respiratory tract viruses. Fulton RW, et al. **J Clin Microbiol** 1984 Apr; 19(4):492–7

IMMUNOLOGY

Mechanisms of neutralization of animal viruses. Dimmock NJ. **J Gen Virol** 1984 Jun;65 (Pt 6):1015–22 (46 ref.)
Serologic survey for selected microbial pathogens in Alaskan wildlife. Zarnke RL. **J Wildl Dis** 1983 Oct;19(4):324–9
Prevalence of antibodies against respiratory viruses in children of Koulikoro (Mali). Ehrengut W, et al. **Tropenmed Parasitol** 1984 Jun;35(2):119–22
[Interference between human hepatitis A virus and an attenuated avian virus non–pathogenic to man] László KC, et al. **Orv Hetil** 1984 Jun 10;125(24):1439–42 (Eng. Abstr.) (Hun)

ISOLATION & PURIFICATION

Virus isolations from pet birds submitted for importation into the United States. Senne DA, et al. **Avian Dis** 1983 Jul–Sep; 27(3):731–44
Viruses associated with acute respiratory infections in children admitted to hospital in Naples, 1979–82. Montanaro D, et al. **Bull WHO** 1983;61(6):981–6

PATHOGENICITY

New concepts of pathogens, and pathogenesis. Beam TR Jr. **J Med** 1983;14(4):241–52 (22 ref.)

PHYSIOLOGY

[Resistance of pathogenic viruses—survey of literature] von Sprockhoff H, et al. **DTW** 1984 Jun 8;91(6):215–8 (34 ref.) (Eng. Abstr.) (Ger)

VERTEBRATE VIRUSES, UNCLASSIFIED

Stages in development of mink cell focus–inducing (MCF) virus–accelerated leukemia in AKR mice. O'Donnell PV, et al. **J Exp Med** 1984 Sep 1;160(3):914–34

DRUG EFFECTS

Sodium hydroxide decontamination of Creutzfeldt–Jakob disease virus [letter] Brown P, et al. **N Engl J Med** 1984 Mar 15;310(11):727

GENETICS

Molecular cloning of the Aleutian disease virus genome: expression of Aleutian disease virus antigens by a recombinant plasmid. Mayer LW, et al. **J Virol** 1983 Dec; 48(3):573–9

GROWTH & DEVELOPMENT

Propagation of Aleutian disease parvovirus in cell line CCC clone 81. van Dawen S, et al. **Arch Virol** 1983;77(1):39–50

IMMUNOLOGY

Serological analyses of different mink Aleutian disease virus strains. Aasted B, et al. **Arch Virol** 1984;80(1):11–22
Immunoglobulin classes of Aleutian disease virus antibody. Porter DD, et al. **Infect Immun** 1984 Feb;43(2):463–6
Sensitive radioimmune assay for measuring Aleutian disease virus antigen and antibody. Aasted B, et al. **J Clin Microbiol** 1983 Sep;18(3):637–44
Mink with Aleutian disease have high–affinity antiviral antibodies. Aasted B, et al. **Scand J Immunol** 1984 May; 19(5):411–8
Analysis of the quantity of antiviral antibodies from mink infected with different Aleutian disease virus strains. Aasted B, et al. **Scand J Immunol** 1984 May;19(5):395–402
Immune complexes in Aleutian disease: demonstration of antibody on isolated virus. Hahn EC. **Vet Immunol Immunopathol** 1984 Mar;5(4):313–21
[Detection of surface antigens in Borna virus–infected cells] Ludwig H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Feb 1;97(2):47–51 (Eng. Abstr.) (Ger)

ISOLATION & PURIFICATION

Characterization of a calici–like virus (Newbury agent) found in association with astrovirus in bovine diarrhea. Bridger JC, et al. **Infect Immun** 1984 Jan;43(1):133–8
Astrovirus and Breda virus infections of dome cell epithelium of bovine ileum. Woode GN, et al. **J Clin Microbiol** 1984 May;19(5):623–30
Astrovirus–like particles associated with hepatitis in ducklings [letter] Gough RE, et al. **Vet Rec** 1984 Mar 17; 114(11):279

METABOLISM

Aleutian disease virus, a parvovirus, is proteolytically degraded during in vivo infection in mink. Aasted B, et al. **J Virol** 1984 Jul;51(1):7–13

PATHOGENICITY

Royal pastel mink respond variously to inoculation with Aleutian disease virus of low virulence. Hadlow WJ, et al. **J Virol** 1984 Apr;50(1):38–41

VERTEBRATES

The renin–angiotensin system in non–mammalian vertebrates. Wilson JX. **Endocr Rev** 1984 Winter;5(1):45–61 (226 ref.)

ANATOMY & HISTOLOGY

Development mechanisms underlying the formation of atavisms. Hall BK. **Biol Rev** 1984 Feb;59(1):89–124 (85 ref.)
Comparative and scaling aspects of heart and body weights with reference to blood supply of cardiac fibers. Poupa O, et al. **Comp Biochem Physiol [A]** 1983;76(3):413–21
Distribution of desmosomal components in the tissues of vertebrates, studied by fluorescent antibody staining. Cowin P, et al. **J Cell Sci** 1984 Mar;66:119–32
Developmental constraints and the evolution of vertebrate digit patterns. Holder N. **J Theor Biol** 1983 Oct 7; 104(3):451–71
[Outer segments of the retinal photoreceptors of vertebrates: the ultrastructure, development and renewal of the disks] Baburina EA, et al. **Ontogenez** 1983 Sep–Oct;14(5):453–76 (120 ref.) (Eng. Abstr.) (Rus)

BLOOD

Cytofluorometric study of the erythrocyte glycoconjugates content in different species of vertebrates. Barni S, et al. **Acta Histochem (Jena)** 1983;73(2):251–7
A comparison of beta–endorphin levels in regenerating and nonregenerating vertebrates. Vethamany–Globus S, et al. **J Exp Zool** 1983 Sep;227(3):475–9

EMBRYOLOGY

Vertebrate embryos: diversity in developmental strategies [news] Cooke J, et al. **Nature** 1983 Dec 1–7;306(5942):423–4
On the origin of the body pattern in vertebrate embryogenesis. Cooke J. **Riv Biol** 1983 Winter;76(4):603–38 (28 ref.) (Eng, Ita)

GENETICS

Nucleotype and cell size in vertebrates: a review. Olmo E. **Basic Appl Histochem** 1983;27(4):227–56 (115 ref.)
[Evolutionary interrelationship of histones H1 and H5 in vertebrates] Svinarchuk FP, et al. **Mol Biol (Mosk)** 1983 Jul–Aug;17(4):793–802 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

A distinction must be made between the ontogeny and the phylogeny of metabolism in order to understand the mass exponent of energy metabolism. Wieser W. **Respir Physiol** 1984 Jan;55(1):1–9

IMMUNOLOGY

Proceedings of ISDCI Invertebrate Immunity Conference, Swansea, Wales, August 31st–September 3rd, 1982 and Symposium: Developmental and comparative immunology of vertebrates, Masserberg, G.D.R., November 8–12, 1982. **Dev Comp Immunol** 1983 Fall;7(4):599–793
[Immunofluorescent study of the hematopoietic cell antigens in a number of vertebrates] Khrushchov NG, et al. **Dokl Akad Nauk SSSR** 1984 Jan–Feb;274(1):193–6 (Rus)

METABOLISM

Blood–brain interfaces in vertebrates: a comparative approach. Cserr HF, et al. **Am J Physiol** 1984 Mar;246(3 Pt 2):R277–88 (95 ref.)
Comparative aspects of adrenergic receptors in the hearts of lower vertebrates. Ask JA. **Comp Biochem Physiol [A]** 1983;76(3):543–52
The anaerobic molluscan heart: adaptation to environmental anoxia. Comparison with energy metabolism in vertebrate hearts. Gäde G, et al. **Comp Biochem Physiol [A]** 1983; 76(3):615–20
Comparative studies of contractile proteins from the skeletal and cardiac muscles of lower vertebrates. Johnston IA. **Comp Biochem Physiol [A]** 1983;76(3):439–45
Environmental adaptation of proteins: strategies for the conservation of critical functional and structural traits. Somero GN. **Comp Biochem Physiol [A]** 1983;76(3):621–33 (44 ref.)
Pharmacology and physiology of monoamine oxidase activity in vertebrates—a comparative study. Hall TR, et al. **Comp Biochem Physiol [B]** 1983;76(3):393–7 (50 ref.)
Structure related phylogenetic variations in brain gangliosides of vertebrates. Hilbig R. **Comp Biochem Physiol [B]** 1984;77(1):151–60
Comparative study on vertebrate liver AMP deaminases. Spychaia J. **Comp Biochem Physiol [B]** 1984;78(4):881–4
Comparative studies on superoxide dismutase and catalase activities in livers of fish and other Antarctic vertebrates. Witas H, et al. **Comp Biochem Physiol [C]** 1984;77(2):409–11
An immunological study of rat acetylcholinesterase: comparison with acetylcholinesterases from other vertebrates. Marsh D, et al. **J Neurochem** 1984 Jul; 43(1):204–13
Neurochemistry of the vertebrate olfactory bulb. Halász N, et al. **Neuroscience** 1983 Nov;10(3):579–619 (321 ref.)
Unmetabolisable polyhalogenated compounds: implications for mammalian and other vertebrate species. Jondorf WR. **Vet Res Commun** 1983 Dec;7(1–4):277–83 (57 ref.)
[Light and electron microscope immunocytochemical demonstration of neuropeptides with pre– and postembedding technics as well as protein A–gold labeling] Petter H, et al. **Acta Histochem [Suppl] (Jena)** 1984; 30:301–10 (Ger)
[Brain proteolipids in representatives of different vertebrate classes] Zabelinskiĭ SA, et al. **Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):239–45 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Brain gangliosides and thermal adaptation in vertebrates. Rahmann H, et al. **Adv Exp Med Biol** 1984;174:395–404
Magnetic guidance of organisms. Frankel RB. **Annu Rev Biophys Bioeng** 1984;13:85–103 (76 ref.)
Physiology of neuroactive peptides in vertebrate retina. Djamgoz MB, et al. **Biochem Soc Trans** 1983 Dec; 11(6):686–9
PGP 9.5—a new marker for vertebrate neurons and neuroendocrine cells. Thompson RJ, et al. **Brain Res** 1983 Nov 14;278(1–2):224–8
Comparative cardiac function in lower vertebrates. Proceedings of a symposium held at the Zoological Station of Naples, Italy, June 1982. **Comp Biochem Physiol [A]** 1983;76(3):401–636
Acidosis and cardiac muscle contractility: comparative aspects. Gesser H, et al. **Comp Biochem Physiol [A]** 1983; 76(3):559–66 (26 ref.)
Retinal carbonic anhydrase: a comparative study. Trachtenberg MC, et al. **Curr Eye Res** 1984 Apr; 3(4):599–604
Colour vision in animals. Jacobs GH. **Endeavour** 1983; 7(3):137–40
Scaling of respiratory areas in relation to oxygen consumption of vertebrates. Hughes GM. **Experientia** 1984 Jun 15;40(6):519–24 (58 ref.)
Control of prolactin secretion in the vertebrates—a comparative survey. Hall TR. **Gen Pharmacol** 1984; 15(3):189–95 (61 ref.)
Evolution of control of epithelial transport in vertebrates. Pang PK. **J Exp Biol** 1983 Sep;106:283–99 (79 ref.)
Multi modal hearing, the fundamental importance of the kinociliary servo system and the folly of psychoacoustics. Part I. The struggle for power and the anthropocentric obsession. Tumarkin A. **J Laryngol Otol** 1984 Jun; 98(6):557–66
Optical monitoring of activity from many areas of the in vitro and in vivo salamander olfactory bulb: a new method for studying functional organization in the vertebrate central nervous system. Orbach HS, et al. **J Neurosci** 1983 Nov;3(11):2251–62
Vertebrate slow muscle: its structure, pattern of innervation, and mechanical properties. Morgan DL, et al. **Physiol Rev** 1984 Jan;64(1):103–69 (285 ref.)
The vertebrate scratch reflex. Stein PS. **Symp Soc Exp Biol** 1983;37:383–403
Biological effects of electromagnetic fields on vertebrates. A review. Algers B, et al. **Vet Res Commun** 1983 Sep; 6(4):265–79 (54 ref.)
[Nature of the improvement in the modulating influences of

the forebrain on cardiac reflexes in a number of vertebrates] Samonina GE. **Biol Nauki** 1983;(11):42–4 (Eng. Abstr.) **(Rus)**

[Hypothalamo–hypophyseal interaction in the evolution of vertebrates] Barannikova IA. **Nerv Sist** 1983;24:10–22 (72 ref.) **(Rus)**

[Principle of brain function displacement in an ascending series of vertebrates] Sollertinskaia TN. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):433–45 **(Rus)**

[Functional analysis of the 1st synapse of the visual pathway in tetrapods] Gallego Fernández A. **An R Acad Nac Med (Madr)** 1983;100(2):305–32 **(Spa)**

VERTEBROBASILAR INSUFFICIENCY

COMPLICATIONS

[Transient symptoms of cerebral ischemia in unilateral stenosis of the vertebral artery] Kwolek W, et al. **Pol Tyg Lek** 1984 Jan 30;39(5):147–9 (Eng. Abstr.) **(Pol)**

[Extrathoracic methods of correcting combined lesions of the subclavian artery and bifurcation of the carotid artery] Pokrovskiĭ AV, et al. **Khirurgiia (Mosk)** 1984 May;(5):18–24 (Eng. Abstr.) **(Rus)**

[Various indices of mental deficiencies in patients with chronic circulatory disorders in the vertebrobasilar system] Bacherikov NE, et al. **Zh Nevropatol Psikhiatr** 1983; 83(8):1218–22 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Brain stem auditory–evoked potentials in the assessment of the transient ischemic attacks of the arterial vertebrobasilar system. Baldy–Moulinier M, et al. **Monogr Neural Sci** 1984; 11:216–21

Clinical significance of transient visual phenomena in the elderly. Cohen GR, et al. **Ophthalmology** 1984 May; 91(5):436–42

[Circadian frequency distribution of cerebral ischemic attacks] Kaps M, et al. **Nervenarzt** 1983 Dec;54(12):655–7 **(Ger)**

[Doppler sonography of the extracranial cerebral arteries: primarily a didactic problem] Ringelstein EB, et al. **Ultraschall Med** 1983 Sep;4(3):182–7 (Eng. Abstr.) **(Ger)**

[Vertebro–basilar deprivation nystagmus and vertebral Doppler sonography (Contribution to the early diagnosis of vertebro–basilar insufficiency)] Vicini C, et al. **Acta Otorhinolaryngol Ital** 1983 Sep–Oct;3(5):503–11 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography of the vertebral arteries of young persons: definition of normal parameters] Paludetti G, et al. **G Clin Med** 1983 May–Jun;64(5–6):167–81 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Use of redergin in patients with vertebrobasilar syndrome] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1983 Dec; (12):25–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vertebrobasilar ischemia after total repair of tetralogy of Fallot: significance of subclavian steal created by Blalock–Taussig anastomosis. Vertebrobasilar ischemia after correction of tetralogy of Fallot. Kurlan R, et al. **Stroke** 1984 Mar–Apr;15(2):359–62

[Edematous cerebellar infarction in the young subject] Derlon JM, et al. **Neurochirurgie** 1983;29(6):423–8 (Eng. Abstr.) **(Fre)**

[Clinical and therapeutic considerations in cervical spondylosis] Saginario M, et al. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:63–75 (84 ref.) **(Ita)**

[Basilar impression and vertebrobasilar insufficiency. Report on 2 patients] Dimitrijević J, et al. **Srp Arh Celok Lek** 1983 Jan;111(1):79–86 (Eng. Abstr.) **(Scc)**

PHYSIOPATHOLOGY

Somatic brain–stem reflexes in vertebral–basilar insufficiency: an electrophysiological study. Ronchi O, et al. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):577–85

Electrophysiological investigations of the brainstem in the vertebrobasilar reversible attacks. Rossi L, et al. **Eur Neurol** 1983;22(5):371–9

Posterior circulation ischemia: assessment and treatment. Fode NC, et al. **J Neurosurg Nurs** 1984 Apr;16(2):63–7

[Vertebrobasilar insufficiency and carotid artery occlusions: hemodynamic or embolic phenomenon?] Bogousslavsky J, et al. **Ann Med Interne (Paris)** 1984;135(4):283–6 (Eng. Abstr.) **(Fre)**

[Auditory evoked brain stem potentials and ischemic pathology of the vertebrobasilar system] Baldy–Moulinier M, et al. **Presse Med** 1983 Dec 29;12(48):3098–101 (Eng. Abstr.) **(Fre)**

[Cerebral hemodynamics as affected by an alternating magnetic field in patients with vascular failure of the vertebrobasilar system] Durdyeva TM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun;(3):59 **(Rus)**

[Changes in cerebral hemodynamics in chronic vertebro–basilar insufficiency] Daniliuk VP, et al. **Zh Nevropatol Psikhiatr** 1984;84(4):516–9 (Eng. Abstr.) **(Rus)**

[Contribution of electrical response audiometry to the study of vertebrobasilar insufficiency] Schneider M, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):415–22 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Intravenous digital subtraction angiography of arteriosclerotic vertebrobasilar disease. Hesselink JR, et al. **AJR** 1984 Feb;142(2):255–60

Computed tomographic diagnosis of basilar artery ectasia. Mendelsohn DB, et al. **S Afr Med J** 1983 Nov 19; 64(22):867–9

[Basilar trunk obstruction: report of 3 cases] Pou–Serradel A, et al. **Arq Neurospiquiatr** 1984 Jun;42(2):152–7 (Eng. Abstr.) **(Por)**

SURGERY

Posterior communicating artery visualization in predicting results of carotid endarterectomy for vertebrobasilar insufficiency. Harward TR, et al. **Am J Surg** 1984 Jul; 148(1):43–50

Surgical repair of vertebral artery stenoses. Thevenet A, et al. **J Cardiovasc Surg (Torino)** 1984 Mar–Apr;25(2):101–10

Carotid to distal vertebral artery bypass for vertebrobasilar ischemia. Case report. Camp PE. **J Neurosurg** 1984 Jan; 60(1):187–9

Microsurgical reconstruction of the posterior circulation. Ausman JI, et al. **Otolaryngol Head Neck Surg** 1984 Feb; 92(1):102–8

Anastomosis of the superior thyroid artery to the vertebral artery for vertebrobasilar insufficiency. Kojima T, et al. **Surg Neurol** 1983 Dec;20(6):481–6

Vascular transposition for vertebral basilar insufficiency. Pfeiffer RB Jr, et al. **Va Med** 1984 Apr;111(4):212–4

[Revascularization of the distal vertebral artery (3d segment). Indications in the treatment of vertebrobasilar insufficiency] Laurian C, et al. **Sem Hop Paris** 1984 Feb 16;60(8):547–52 (Eng. Abstr.) **(Fre)**

[Microsurgical reconstruction of the posterior circulation] Ausman JI, et al. **Univ Med Can** 1984 Apr;113(4):275–9, 282 (Eng. Abstr.) **(Fre)**

[Reconstructive surgery in lesions of the vertebral artery] Pokrovskiĭ AV, et al. **Vestn Khir** 1983 Nov;131(11):5–10 (Eng. Abstr.) **(Rus)**

[Surgical treatment of combined lesions of the proximal aortic arch using extrathoracic methods] Pokrovskiĭ AV, et al. **Vestn Khir** 1984 Jul;132(7):3–10 (Eng. Abstr.) **(Rus)**

THERAPY

Angioplasty of subclavian artery stenosis proximal to the vertebral origin. Damuth HD Jr, et al. **AJNR** 1983 Nov–Dec;4(6):1239–42

The correction of cerebrovascular insufficiency by transluminal dilatation: a preliminary report. Lowman BG, et al. **Am Surg** 1983 Nov;49(11):621–4

VERTICAL DIMENSION

The effect of a partial bite–raising splint on the inclination of upper and lower front teeth. Dahl BL, et al. **Acta Odontol Scand** 1983 Oct;41(5):311–4

Question use of oral reconstruction instrument [letter] **J Am Dent Assoc** 1983 Dec;107(6):908, 910

Oral reconstruction: an instrument to establish vertical and physiologic occlusion. Medwedeff FM. **J Am Dent Assoc** 1983 Sep;107(3):443–5

An investigation into the effect of tongue–space encroachment on the rest position of the mandible. Clifford T, et al. **J Dent** 1984 Mar;12(1):71–9

Relationship of the preferred vertical dimension of occlusion to the height of the complete dentures in use. Broekhuijsen ML, et al. **J Oral Rehabil** 1984 Mar;11(2):129–38

Histologic changes in rat masticatory muscles subsequent to experimental increase of the occlusal vertical dimension. Akagawa Y, et al. **J Prosthet Dent** 1983 Nov;50(5):725–32

Relationship of head posture and the rest position of the mandible. Darling DW, et al. **J Prosthet Dent** 1984 Jul; 52(1):111–5

The influence of prostheses on mandibular posture in edentulous patients. Heath MR, et al. **J Prosthet Dent** 1984 May;51(5):602–4

Influence of the vertical dimension in the treatment of myofascial pain–dysfunction syndrome. Manns A, et al. **J Prosthet Dent** 1983 Nov;50(5):700–9

[Effect of the cranial radius on the vertical occlusion dimension] Matysiak M. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Apr; 27(2):133–53 (Eng. Abstr.) **(Fre)**

[Relationship between the mandibular rotation pattern and the position of the upper (6th–year molar (a teleradiographic longitudinal study of Angle class II cases)] Falck F. **Zahn Mund Kieferheilkd** 1983;71(7):709–17 (Eng. Abstr.) **(Ger)**

[Measuring device for mandibular vertical dimension] Prayer Galletti F, et al. **Minerva Stomatol** 1984 May–Jun; 33(3):491–4 (Eng. Abstr.) **(Ita)**

VERTICILLIUM see under **MONILIALES**

VERTIGO

[Vestibular vertigo] Henn V. **Schweiz Rundsch Med Prax** 1984 Mar 6;73(10):315–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Correlation among quantitative parameters of nystagmus in peripheral vertigos] Capellá Bujosa G, et al. **An Otorrinolaringol Ibero Am** 1984;11(1):7–18 (Eng. Abstr.) **(Spa)**

[Positional nystagmus in patients with the vertigo syndrome] Vela Colina M. **An Otorrinolaringol Ibero Am** 1984; 11(1):39–47 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Benign paroxysmal vertigo in childhood. Diagnostic significance of vestibular examination and headache provocation tests. Mira E, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:271–4

The otologist's approach to vertigo. House JL. **Indiana Med** 1984 Jul;77(7):536–7

Diagnosis of benign paroxysmal positional vertigo. Spector M. **Laryngoscope** 1984 Apr;94(4):557

Positional vertigo [editorial] Snow JB Jr. **N Engl J Med** 1984 Jun 28;310(26):1740–1

Benign paroxysmal vertigo in childhood: a migraine equivalent. Mira E, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(2):97–104

Present status of electronystagmography. Spector M. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):53–4

DRUG THERAPY

Transdermal scopolamine in the treatment of acute vertigo. Babin RW, et al. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb; 93(1 Pt 1):25–7

Antivertigo agents. I. Structure–activity relationships of 2–(2–aminoethyl)pyridines. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1984 Feb;32(2):553–63

Antivertigo agents. II. Structure–activity relationships of 6–substituted 5,6,7,8–tetrahydro–1,6–naphthyridines. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1984 Mar; 32(3):995–1005

Betahistine dihydrochloride in the treatment of vertigo of peripheral vestibular origin. A double–blind placebo–controlled study. Oosterveld WJ. **J Laryngol Otol** 1984 Jan;98(1):37–41

Droperidol in the treatment of vertigo. Baldwin RL. **South Med J** 1983 Oct;76(10):1271–2

[Dogmatil and vertigo in the aged subject. Apropos of 10 years' prescribing] Lebon P. **Sem Hop Paris** 1983 Nov 24; 59(43):3015–7 (Eng. Abstr.) **(Fre)**

[Betahistinedimesilate in the therapy of vertigo states in multiple sclerosis] Jügelt E. **Med Welt** 1983 Sep 9; 34(36):980–3 **(Ger)**

ETIOLOGY

Doctors' discussion. **Am J Otol** 1983 Oct;5(2):159–60

Vascular loop as a cause of vertigo. McCabe BF, et al. **Ann Otol Rhinol Laryngol** 1983 Nov–Dec;92(6 Pt 1):542–3

Vertigo in children: two cases of 'scarlet face'. Authentic case histories from Australian general practice illustrating pitfalls in diagnosis and management. Joseph E. **Aust Fam Physician** 1983 Jul;12(7):516

Vertigo in divers [letter] McNicoll WD. **Br J Sports Med** 1983 Sep;17(3):210–1

Vertigo in divers [letter] Roydhouse N. **Br J Sports Med** 1983 Sep;17(3):209

Dizziness and vertigo. Towler HM. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1739–43

A study of vertigo and dizziness in the premenstrual period. Abdel Nabi EA, et al. **J Laryngol Otol** 1984 Mar; 98(3):273–5

Otologic involvement in late syphilis. Steckelberg JM, et al. **Laryngoscope** 1984 Jun;94(6):753–7

Disabling positional vertigo. Jannetta PJ, et al. **N Engl J Med** 1984 Jun 28;310(26):1700–5

Positional vertigo and the cerebellar vermis. Kattah JC, et al. **Neurology (NY)** 1984 Apr;34(4):527–9

Perilymphatic fistula—a definitive and curable cause of vertigo following head trauma. Lehrer JF, et al. **West J Med** 1984 Jul;141(1):57–60

[Severe vertigo due to cerebellar hematoma — report of 2 cases] Liu DK. **Chung Hua I Hsueh Tsa Chih** 1983 Aug; 63(8):509–10 **(Chi)**

[Equilibrium disorders, vertigo and nystagmus induced by maximal deviation of gaze. Role of extra–ocular proprioception] Eber AM, et al. **Rev Neurol (Paris)** 1984; 140(2):131–7 (Eng. Abstr.) **(Fre)**

[Peripheral vertigo] Dionne J, et al. **Union Med Can** 1983 Sep;112(9):817–20 (Eng. Abstr.) **(Fre)**

[Vertiginous and pseudo–vertiginous manifestations] De Risio C. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:27–9 **(Ita)**

[Vertigo in the pathology of the cervical spine] Maffei G. **Acta Biomed Ateneo Parmense** 1983;54 Suppl 1:21–6 **(Ita)**

[Case of tinnitus, vertigo, and a loss of caloric response due to neurovascular compression] Yasuoka S, et al. **No To Shinkei** 1983 Nov;35(11):1097–101 (Eng. Abstr.) **(Jpn)**

[Nature, classification and diagnosis of vertigo] Kanios K. **Wiad Lek** 1983 May 15;36(10):853–7 (21 ref.) (Eng. Abstr.) **(Pol)**

['Vertiginous disease' as an occupational problem and its industrial repercussions] Capellá Bujosa G. **An Otorrinolaringol Ibero Am** 1984;11(3):237–52 (Eng. Abstr.) **(Spa)**

[Vertigo in children. General considerations and study of 37 cases] Calderón-González R, et al. **Bol Med Hosp Infant Mex** 1983 Nov;40(11):638–44 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Incidence of vertigo, falls and cardiac symptoms in geriatric patients. A cross-sectional study of 150 geriatric patients] Ingerslev J. **Ugeskr Laeger** 1983 Sep 19;145(38):2923–6 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Central positional vertigo—clinico-anatomic study. Goto N, et al. **Neurol Med Chir (Tokyo)** 1983 Jul;23(7):534–40

PHYSIOPATHOLOGY

Vestibulo-spinal control differs in patients with reduced versus distorted vestibular function. Black FO, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:110–4

Quantitative analysis of the visual vestibulo-ocular reflex using sinusoidal rotation in patients with peripheral vestibular disorders. Mizukoshi K, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:178–81

Clinical significance of head movement while stepping. Taguchi K, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:125–8

Rectus abdominis as a source of myopotentials inhibiting demand pacemakers. Gialafos J, et al. **PACE** 1983 Sep;6(5 Pt 1):887–91

PSYCHOLOGY

[Psychological aspects of vertigo] Chamorro García L. **Actas Luso Esp Neurol Psiquiatr** 1984 Jan–Feb;12(1):43–52 **(Spa)**

RADIOGRAPHY

[Vertebral angiography in cases of severe vertigo and dizziness] Morimoto T, et al. **Rinsho Hoshasen** 1983 Jul; 28(7):731–8 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Vestibular compensation: experimental data] Azzena GB. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):271–4 (Eng. Abstr.) **(Ita)**

[Rehabilitation of the vertigo patient] Boccardi S. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):253–9 (Eng. Abstr.) **(Ita)**

[Rehabilitation of the vertigo patient] Clerici E. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):209–13 **(Ita)**

[Findings and case studies in the literature: comparison of rehabilitation technics, evaluation criteria and results] Cusaro G. **Acta Otorhinolaryngol Ital** 1983 May–Jun; 3(3):233–44 (Eng. Abstr.) **(Ita)**

[Rehabilitative treatment in cases of: peripheral vestibular syndrome, cranial trauma, surgery for neurinoma of the acoustic nerve] Cusaro G, et al. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):261–70 (Eng. Abstr.) **(Ita)**

[Screening method and rehabilitation technics for the vertigo patient: clinico-functional study] Dufour A. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):245–52 (Eng. Abstr.) **(Ita)**

SURGERY

Cupulolithiasis and posterior ampullary nerve transection. Gacek RR. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:25–30

Surgical treatment of vertigo. Daspit CP. **Ariz Med** 1983 Aug;40(8):561–2

Analysis of surgical procedures in patients with vertigo. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1984 Apr; 92(2):225–8

THERAPY

Medical treatment of vertigo. How to evaluate its effect? **Adv Otorhinolaryngol** 1983;30:345–69

[Vertigo therapy during vestibular training] Pallestrini EA, et al. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):289–94 (Eng. Abstr.) **(Ita)**

[Carotid sinus syndrome. Electrostimulation treatment. Apropos of a case] Goicolea FJ, et al. **Rev Esp Cardiol** 1983;36(6):513–6 (Eng. Abstr.) **(Spa)**

VERTIGO, AURAL see **MENIERE'S DISEASE**

VERY LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, VLDL**

VESICAL FISTULA see **BLADDER FISTULA**

VESICANTS see **IRRITANTS**

VESICATION see **BLISTER**

VESICO-URETERAL REFLUX

Reflux nephropathy update:1983. **Contrib Nephrol** 1984; 39:1–388

[Vesico-ureteral reflux] Jørgensen TM, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3330–4 (Eng. Abstr.) **(Dan)**

BLOOD

Peripheral plasma renin activity, hypertension and renal scarring in children. Dillon MJ, et al. **Contrib Nephrol** 1984; 39:68–80

COMPLICATIONS

Vesicoureteral reflux and reflux nephropathy. Senekjian HO, et al. **Am J Nephrol** 1982;2(5):245–50 (68 ref.)

Intraureteric eversion and reflux into a simple ureterocele. Chapman S, et al. **Br J Radiol** 1984 Apr;57(676):333–4

Vesicoureteric reflux in patients with bladder tumours. Amar AD, et al. **Br J Urol** 1983 Oct;55(5):483–7

End-stage reflux nephropathy. Bailey RR, et al. **Contrib Nephrol** 1984;39:102–10

Glomerular lesions in the 'normal' kidney in patients with unilateral reflux nephropathy. Bailey RR, et al. **Contrib Nephrol** 1984;39:126–31

Unilateral reflux nephropathy and hypertension. Bailey RR, et al. **Contrib Nephrol** 1984;39:116–25

The time factor in the development of sterile renal scarring following high-pressure vesicoureteral reflux. Hodson CJ, et al. **Contrib Nephrol** 1984;39:358–69

Initiation of clinical pyelonephritis—the role of P-fimbriae-mediated bacterial adhesion. Svenson SB, et al. **Contrib Nephrol** 1984;39:252–72

Reflux nephropathy complicated by acute post-streptococcal glomerulonephritis. Sheridan RJ, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):119–21

Ureteral triplication and duplicated opposite kidney with refluxing ureterocele. Miguelez Lago C, et al. **J Pediatr Surg** 1983 Oct;18(5):614–6

Effect of bacterial immunization on experimental reflux nephropathy. Torres VE, et al. **J Urol** 1984 Apr; 131(4):772–6

Vesicoureteric reflux: more puzzles [editorial] **Lancet** 1983 Dec 24–31;2(8365–66):1467–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 18–1984. A 32-year-old woman with proteinuria and impaired renal function. **N Engl J Med** 1984 May 3;310(18):1176–81

Reflux nephropathy revisited. Bailey RR. **NZ Med J** 1983 Dec 14;96(745):1008–9

Pseudotumour of the kidney secondary to posterior urethral valves: the role of renal backflow and perirenal extravasation. Eklöf O, et al. **Pediatr Radiol** 1984; 14(4):215–9

Pelviureteric junction obstruction in association with severe vesicoureteric reflux: a diagnostic dilemma. Rickard M, et al. **Urol Radiol** 1984;6(1):1–6

Vesicoureteral reflux in the monkey: a review. Roberts JA. **Urol Radiol** 1983;5(3):211–7, 219

Subcapsular urinoma: unusual form of 'page kidney' in newborn. Patel MR, et al. **Urology** 1984 Jun;23(6):585–7

[Reflux nephropathy] Thomsen HS, et al. **Ugeskr Laeger** 1983 Oct 24;145(43):3339–40 (Eng. Abstr.) **(Dan)**

[Reflux nephropathy caused by vesico-ureteral reflux] Thomsen HS. **Ugeskr Laeger** 1983 Oct 24;145(43):3334–8 (Eng. Abstr.) **(Dan)**

[Impact of reflux on the kidney] Mollard P, et al. **J Genet Hum** 1984 Mar;32(1):55–61 (Eng. Abstr.) **(Fre)**

[Kidney damage and vesicoureteral reflux in children with myelodysplasia] Pfestorf B. **Kinderarztl Prax** 1984 Jan; 52(1):51–5 (Eng. Abstr.) **(Ger)**

[A case of ureteral triplication associated with renal dysmorphy, bilateral reflux, ureterocele and Ask-Upmark kidney] Wilhelm E. **Urologe [Ausg A]** 1983 Sep;22(5):267–9 (Eng. Abstr.) **(Ger)**

[Problems of fever after surgery of the bladder neck. How to classify the causal efficiency of reflux mechanisms] Zepnick H, et al. **Z Urol Nephrol** 1983 Aug;76(8):519–25 (Eng. Abstr.) **(Ger)**

[Congenital posterior urethral valve associated with paraureteral diverticulum and dysplastic kidney. A case report] Harada T, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Apr;74(4):655–61 (Eng. Abstr.) **(Jpn)**

[Urinary infections and uropathies] Vallo A, et al. **An Esp Pediatr** 1983 Sep;19 Suppl 19:31–3 **(Spa)**

[Vesico-ureteral reflux and reflux nephropathy] Solar E, et al. **Rev Chil Pediatr** 1983 Nov–Dec;54(6):435–9 (Eng. Abstr.) **(Spa)**

CONGENITAL

Persistent incompetence of the cervix in female infants with congenital abnormalities of the pelvic viscera and perineum. Feins NR, et al. **J Pediatr Surg** 1983 Aug; 18(4):457–61

[Crossed kidney ectopia with reflux hydronephrosis of the ectopic kidney] Meinhard F, et al. **Padiatr Grenzgeb** 1984; 23(1):41–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The sonographic visualization of the vesico-ureteral junction. Marchal GJ, et al. **Computertomographie** 1982 Jun;2(2):62–7

Long-term follow-up of infants with gross vesico-ureteric reflux. Bailey RR. **Contrib Nephrol** 1984;39:146–51

Reflux nephropathy in the adult. Kincaid-Smith PS, et al. **Contrib Nephrol** 1984;39:94–101

Ureterovesical reflux in an adolescent and adult population. Hawtrey CE, et al. **J Urol** 1983 Dec;130(6):1067–9

Vesico-ureteric reflux in urinary bilharziasis (observation in Zambia). Elem B. **Med J Zambia** 1983 Jul;17(3):83–5

Children with vesicoureteric reflux. Presentation and investigation. Curran HJ, et al. **Practitioner** 1984 Aug; 228(1394):746–7

[Vesico-ureteral reflux] de Leval J. **Rev Med Liege** 1983 Oct 1;38(19):711–21 **(Fre)**

[Vesico-ureteral reflux in children] Grinbaum NB, et al. **Pediatriia** 1984 Apr;(4):61–3 (29 ref.) **(Rus)**

[Vesico-ureteral reflux in adults] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1984 Jan–Feb;(1):9–13 (Eng. Abstr.) **(Rus)**

ETIOLOGY

High pressure sterile vesicoureteral reflux and renal scarring: an experimental study in the pig and minipig. Ransley PG, et al. **Contrib Nephrol** 1984;39:320–43

Vesico-ureteral reflux in children with spina bifida and detrusor-sphincter dyssynergia. van Gool JD. **Contrib Nephrol** 1984;39:221–37

Spontaneous resolution of vesicoureteral reflux in a renal transplant recipient. Bradsher RW, et al. **Nephron** 1984; 36(2):128–30

Pathogenetic factors in vesico-ureteral reflux. A longitudinal cystometrographic study in pigs. Jørgensen TM, et al. **Scand J Urol Nephrol** 1984;18(1):43–8

Reflux and clean intermittent self-catheterization [letter] Kass EJ. **Urology** 1984 May;23(5):529

Reflux and voiding abnormalities in children. Nasrallah PF, et al. **Urology** 1984 Sep;24(3):243–5

[Vesical instability and reflux: frequent pathogenic association] Aubert D. **Chir Pediatr** 1984;25(2):114–6 (Eng. Abstr.) **(Fre)**

[Vesico-ureteral reflux] Siciński A. **Pol Arch Med Wewn** 1983 Jul–Aug;70(1–2):61–7 **(Pol)**

FAMILIAL & GENETIC

Familial and genetic data in reflux nephropathy. Bailey RR, et al. **Contrib Nephrol** 1984;39:40–51

Vesicoureteral reflux in triplets. Hayden LJ, et al. **J Urol** 1984 Sep;132(3):516–7

[Familial study of vesico-ureteral reflux] Addor MC, et al. **J Genet Hum** 1984 Jun;32(2):91–100 (Eng. Abstr.) **(Fre)**

[Familial vesicoureteral reflux] Pak K, et al. **Hinyokika Kiyo** 1983 Nov;29(11):1507–12 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Antibodies to Tamm-Horsfall urinary glycoprotein in patients with urinary tract infection, reflux nephropathy, urinary obstruction and paraplegia. Lynn KL, et al. **Contrib Nephrol** 1984;39:296–304

OCCURRENCE

[Ureteral diseases in children, with special reference to vesico-ureteral reflux] Azuma Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):894–5 **(Jpn)**

PATHOLOGY

Pathology of sterile reflux in the pig. Heptinstall RH, et al. **Contrib Nephrol** 1984;39:344–57

Diffuse parenchymal lesions in reflux nephropathy and the possibility of making a renal biopsy diagnosis in reflux nephropathy. Kincaid-Smith PS. **Contrib Nephrol** 1984; 39:111–5

Renal morphology in experimental vesico-ureteral reflux in pigs. Jørgensen TM, et al. **Scand J Urol Nephrol** 1984; 18(1):49–58

PHYSIOPATHOLOGY

Unstable bladder activity and the rate of resolution of vesico-ureteric reflux. Taylor CM. **Contrib Nephrol** 1984; 39:238–46

Bladder-sphincter dysfunction, urinary infection and vesico-ureteral reflux with special reference to cognitive bladder training. van Gool JD, et al. **Contrib Nephrol** 1984; 39:190–210

Renal functional changes in schoolgirls with covert asymptomatic bacteriuria. Verrier Jones K, et al. **Contrib Nephrol** 1984;39:152–63

Lower urinary tract dysfunction in vesicoureteral reflux. Nielsen JB, et al. **Urol Int** 1984;39(1):29–31

Ileal segment replacement of ureter. II. Dynamic characteristics of refluxing, nonrefluxing, and totally tapered ileal ureter. Vatandaslar F, et al. **Urology** 1984 Jun; 23(6):559–64

Ileal segment replacement of ureter. I. Effects on kidney of refluxing vs nonrefluxing ileovesical anastomosis. Vatandaslar F, et al. **Urology** 1984 Jun;23(6):549–58

[Postoperative evaluation of renal function from the aspect

of urinary concentration of cefmetazole in infants and children with vesicoureteral reflux and hydronephrosis. I] Miyano T, et al. **Jpn J Antibiot** 1984 Feb;37(2):237–42 (Eng. Abstr.) **(Jpn)**

[Studies on reflux nephropathy, I. Evaluation of renal function by urinary excretion of beta 2-microglobulin] Konda R, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Feb; 75(2):245–54 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

The uninhibited bladder in children: effect of treatment on recurrence of urinary infection and on vesicoureteral reflux resolution. Koff SA, et al. **J Urol** 1983 Dec;130(6):1138–41

[Is antireflux management of a ureteral lesion occurring during gynecologic surgery absolutely necessary?] Becht E, et al. **Geburtshilfe Frauenheilkd** 1984 Jun;44(6):359–62 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Micturition cystourethrography using X-ray or scintigraphy in children with reflux. Brendstrup L, et al. **Acta Paediatr Scand** 1983 Jul;72(4):559–62

Influence of diuresis on the degree of vesicoureteral reflux. An experimental investigation in rats. Hannerz L, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):395–9

Case profile: bladder herniation and bilateral vesicoureteral reflux. Gaffney CM. **Urology** 1983 Nov;22(5):549–50

[Panurography — a new method of combination excretory and micturitional urography] Melchior H, et al. **Urologe [Ausg A]** 1984 Jan;23(1):55–60 (Eng. Abstr.) **(Ger)**

[Roentgenologic findings in the urinary tract of children with spina bifida and meningomyelocele] Winnicki S, et al. **Probl Med Wieku Rozwoj** 1983;12:118–30 (Eng. Abstr.) **(Pol)**

[Urography findings in adult patients with vesico-ureteral reflux] Goldner B. **Srp Arh Celok Lek** 1983 Jun; 111(6):779–88 (Eng. Abstr.) **(Scc)**

RADIONUCLIDE IMAGING

Radionuclide cystography. Conway JJ. **Contrib Nephrol** 1984;39:1–19 (42 ref.)

Reflux nephropathy: the clinical picture in South Brazilian children. Goldraich NP, et al. **Contrib Nephrol** 1984; 39:52–67

Grading of vesicoureteral reflux by radionuclide cystography. Fretzayas A, et al. **Pediatr Radiol** 1984; 14(3):148–50

Radionuclide voiding cystography. Willi U, et al. **Urol Radiol** 1983;5(3):161–73, 175

SURGERY

Surgical management of vesicoureteral reflux in children. Remzi D, et al. **Int Urol Nephrol** 1983;15(4):323–6

The megacystis–megaureter syndrome. Burbige KA, et al. **J Urol** 1984 Jun;131(6):1133–6

A new technique for surgical correction of vesicoureteral reflux. Gil-Vernet JM. **J Urol** 1984 Mar;131(3):456–8

The management of children with vesicoureteral reflux and ureteropelvic junction obstruction. Maizels M, et al. **J Urol** 1984 Apr;131(4):722–7

Vesicoureteral reflux in the adult. III. Surgical correction: risks and benefits. Malek RS, et al. **J Urol** 1983 Nov; 130(5):882–6

Complications of antireflux surgery. Gibbons MD, et al. **Urol Clin North Am** 1983 Aug;10(3):489–501

Renal growth after antireflux surgery in infants. Hagberg S, et al. **Z Kinderchir** 1984 Feb;39(1):52–4

[Incidence of associated malformations in 141 children operated on for vesico-ureteral reflux] Ginalski JM, et al. **J Genet Hum** 1984 Mar;32(1):69–72 (Eng. Abstr.) **(Fre)**

[Computerized retrospective study of 141 children operated on for vesico-ureteral reflux] Ginalski JM, et al. **J Genet Hum** 1984 Mar;32(1):63–8 (Eng. Abstr.) **(Fre)**

[Results of ureter translocation in infancy] Reifferscheid P, et al. **Monatsschr Kinderheilkd** 1984 Jun;132(6):420–4 **(Ger)**

[Has the therapeutic concept of urologic reflux in childhood become clearer?] Leng M, et al. **Padiatr Grenzgeb** 1983; 22(5):355–65 (Eng. Abstr.) **(Ger)**

[Our experiences with Glenn-Anderson's and Cohen's antireflux plastic surgery in vesico-ureteral reflux] Albescu IV, et al. **Urologe [Ausg A]** 1983 Nov;22(6):443–5 (Eng. Abstr.) **(Ger)**

[Surgical therapy of vesicoureterorenal reflux in children] Ringert RH. **Urologe [Ausg A]** 1983 Nov;22(6):410–3 (Eng. Abstr.) **(Ger)**

[Retrograde catheterization of the ureter and pyelography using bladder puncture with a special trocar following Cohen's procedure for anti-reflux surgery] Lamesch A. **Z Kinderchir** 1983 Aug;38(4):272–3 (Eng. Abstr.) **(Ger)**

[Results of operative treatment of vesico-ureteral reflux and megaureter in childhood] Minkov N, et al. **Z Urol Nephrol** 1984 Feb;77(2):75–86 (Eng. Abstr.) **(Ger)**

[Transverse ureteral advancement for vesico-ureteral reflux] Katz Z, et al. **Harefuah** 1983 May 15;104(10):444–5 (Eng. Abstr.) **(Heb)**

[A case of inflammatory dilatation of the upper urinary tract in a child as a late complication of the surgical treatment of vesico-ureteral reflux] Gruchalski J, et al. **Wiad Lek** 1983 Nov 15;36(22):1895–8 (Eng. Abstr.) **(Pol)**

[Various problems in pediatric urology] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1983 Nov-Dec;(6):6–10 (Eng. Abstr.) **(Rus)**

[Deficiency of coagulation factors V and VIII in a patient surgically treated for reflux: modality of the pre- and post-operative therapy] Giannotti P, et al. **Actas Urol Esp** 1983 Jul-Aug;7(4):319–20 (Eng. Abstr.) **(Spa)**

[Unilateral antireflux reimplantation. Incidence of post-operative contralateral reflux] Miguélez Lago C, et al. **Actas Urol Esp** 1983 Jul-Aug;7(4):265–8 (Eng. Abstr.) **(Spa)**

[Treatment of vesico-ureteral reflux in the 1st year of life] Castello Girona F. **An Esp Pediatr** 1983 Sep;19 Suppl 19:41–4 **(Spa)**

[Contralateral reflux after unilateral antireflux surgery] Miguélez Lago C, et al. **An Esp Pediatr** 1984 Apr 15; 20(6):615–8 (Eng. Abstr.) **(Spa)**

THERAPY

Treatment of vesicoureteric reflux by endoscopic injection of Teflon. O'Donnell B, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):7–9

Correction of experimentally produced vesicoureteric reflux in the piglet by intravesical injection of Teflon. Puri P, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):5–7

A prospective trial of operative versus non-operative treatment of severe vesico-ureteric reflux: 2 years' observation in 96 children. The Birmingham Reflux Study Group. **Contrib Nephrol** 1984;39:169–85

Vesicoureteral reflux: a comparison of non-surgical and surgical management. Bellinger MF, et al. **Contrib Nephrol** 1984;39:81–93

The uninhibited bladder in children: effect of treatment on vesicoureteral reflux resolution. Koff SA, et al. **Contrib Nephrol** 1984;39:211–20

[Diagnosis and results of treatment of vesico-ureteral reflux in girls] Hladík M. **Cesk Pediatr** 1984 Jan;39(1):28–31 (Eng. Abstr.) **(Cze)**

[Therapy of vesicorenal reflux in childhood] Riedmiller H, et al. **Dtsch Med Wochenschr** 1983 Oct 7;108(40):1522–4 **(Ger)**

[Treatment of vesico-ureteral reflux. An important preventive medical task for the pediatrician] Egli F. **Praxis** 1983 Oct 4;72(40):1259–60 **(Ger)**

[Conservative and surgical therapy of vesicoureterorenal reflux] Schrott KM. **Urologe [Ausg A]** 1983 Nov; 22(6):401–9 (Eng. Abstr.) **(Ger)**

[Changes in renal functions in vesico-ureteral reflux—limitations of conservative therapy and the surgical procedure to prevent reflux] Kunikata S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Mar;74(3):330–8 (Eng. Abstr.) **(Jpn)**

[Conservative treatment of vesicorenal reflux in children] Cheskis AL, et al. **Pediatriia** 1984 Jun;(6):37–41 (Eng. Abstr.) **(Rus)**

VETERINARY

Maximum-distention retrograde urethrocystography in healthy male dogs: occurrence of vesicoureteral reflux. Feeney DA, et al. **Am J Vet Res** 1984 May;45(5):953–4

VESICOVAGINAL FISTULA

COMPLICATIONS

Urinary calculus in Zambia: its incidence and relationship to Schistosoma haematobium infection and vesicovaginal fistula. Elem B. **Br J Urol** 1984 Feb;56(1):44–7

ETIOLOGY

The management of large vesico-vaginal fistulae following total abdominal hysterectomy. Martinek JB. **Int Surg** 1983 Oct-Dec;68(4):369–72

[Malignant tumorous urogenital fistula. Apropos of 19 cases] Filimon C, et al. **J Urol (Paris)** 1983;89(8):573–9 (Eng. Abstr.) **(Fre)**

[Vesicovaginal fistulas] Vennesland O, et al. **Tidsskr Nor Laegeforen** 1984 May 10;104(13):870–1 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Radiology of obstetric vesicovaginal fistula. Akamaguna AI, et al. **Urol Radiol** 1983;5(4):247–50

SURGERY

Fistulae involving rectum and urethra: the place of Parks's operations. Tiptaft RC, et al. **Br J Urol** 1983 Dec; 55(6):711–5

Techniques for surgical repair of vesicovaginal fistulae. Frang D, et al. **Int Urol Nephrol** 1983;15(2):161–9

Management of giant vesicovaginal and vesicourethrovaginal fistulas. Bissada NK, et al. **J Urol** 1983 Dec;130(6):1073–5

Ventrodorsal vesical repair of complicated vesicovaginal and vesicorectal fistulas. Coolsaet BL. **J Urol** 1984 Jan; 131(1):116–7

Repair of urinary tract fistulas with bulbocavernosus myocutaneous flaps. Hoskins WJ, et al. **Obstet Gynecol** 1984 Apr;63(4):588–93

[Flap method in the repair of urinary fistula—an analysis of 29 cases] Su YK. **Chung Hua Fu Chan Ko Tsa Chih** 1983 Oct;18(4):226–8 (Eng. Abstr.) **(Chi)**

[Vesicovaginal fistulas] Hajek J. **Acta Urol Belg** 1983; 51(3):293–9 (Eng. Abstr.) **(Fre)**

[Experience with spinal anesthesia using pethidine in the surgery of vesicovaginal fistula in African women (30 cases)] Saissy JM. **Med Trop (Mars)** 1984 Jan-Mar; 44(1):61–4 (Eng. Abstr.) **(Fre)**

[Vaginal or abdominal closure of vesicovaginal fistula?] Petri E, et al. **Gynakologe** 1983 Dec;16(4):231–7 **(Ger)**

[Technical illustration of the repair of vesicovaginal fistulas through the vagina] Petraroia F, et al. **Arch Ostet Ginecol** 1982 Sep-Dec;87(5–6):255–60 (Eng. Abstr.) **(Ita)**

[Simultaneous operations in radiation-induced vesicovaginal and rectovaginal fistulas] Borkowski A, et al. **Ginekol Pol** 1983 Oct;54(10):659–64 (Eng. Abstr.) **(Pol)**

[Surgical treatment of vesicovaginal fistulas] Svidler Alu, et al. **Urol Nefrol (Mosk)** 1983 Nov-Dec;(6):21–3 (Eng. Abstr.) **(Rus)**

THERAPY

Enteric fistulas encountered on a gynecologic oncology service from 1969 through 1980. Smith DH, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):71–5

VESICULAR STOMATITIS VIRUS

ANALYSIS

Preparation and analysis of the nucleocapsid proteins of vesicular stomatitis virus and sendai virus, and analysis of the sendai virus leader-NP gene region. Blumberg BM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):769–79

Comparison of the primary sequence of spring viremia of carp virus M protein with that of vesicular stomatitis virus. Kiuchi A, et al. **Virology** 1984 Apr 15;134(1):238–43

CLASSIFICATION

Role of fatty acid acylation of membrane glycoproteins. Absence of palmitic acid in glycoproteins of two serotypes of vesicular stomatitis virus. Kotwal GJ, et al. **J Biol Chem** 1984 Apr 25;259(8):4699–701

DRUG EFFECTS

Prostaglandin A inhibits the replication of vesicular stomatitis virus: effect on virus glycoprotein. Santoro MG, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2797–801

Antiviral activity of interferon in rats and the effect of immune suppression. Schellekens H, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):391–6

Quantification of the antiviral effect of interferon by immunoassay of vesicular stomatitis virus proteins. Wallach D. **J Gen Virol** 1983 Oct;64 (Pt 10):2221–7

Differential effect of interferon on glycoprotein and membrane protein of vesicular stomatitis virus released from murine and simian cells. Drebot MA, et al. **J Interferon Res** 1984 Spring;4(2):167–72

Antiviral and protein-inducing activities of recombinant human leukocyte interferons and their hybrids. Sen GC, et al. **J Virol** 1984 May;50(2):445–50

ENZYMOLOGY

The major ribonucleoprotein-associated protein kinase of vesicular stomatitis virus is a host cell protein. Harmon SA, et al. **J Biol Chem** 1983 Dec 25;258(24):15283–90

Tyrosyl kinases acquired from anchorage-independent cells by a membrane-enveloped virus. Clinton GM, et al. **J Cell Biol** 1984 Sep;99(3):788–95

Protein kinase activity associated with immunoprecipitates of the vesicular stomatitis virus phosphoprotein NS. Bell JC, et al. **Virology** 1984 Jan 30;132(2):229–38

GENETICS

Unusual heterogeneity in the glycosylation of the G protein of the hazelhurst strain of vesicular stomatitis virus. Hunt LA, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):347–56

Low infectivity of vesicular stomatitis virus (VSV) particles released from interferon-treated cells is related to glycoprotein deficiency. Maheshwari RK, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):161–8

Microinjection of vesicular stomatitis virus ribonucleoprotein into animal cells yields infectious virus. Thornton GB, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):1160–7

Effect of human fibroblast interferon on the antiviral activity of mammalian cells treated with bleomycin, vincristine, or mitomycin C. Suhadolnik RJ, et al. **Cancer Res** 1983 Nov; 43(11):5462–6

Microinjection of mRNA coding for an anti-Golgi antibody inhibits intracellular transport of a viral membrane protein. Burke B, et al. **Cell** 1984 Apr;36(4):847–56

Nucleotide sequence and secondary structure of VSV leader RNA and homologous DNA involved in inhibition of DNA-dependent transcription. Grinnell BW, et al. **Cell** 1984 Feb;36(2):533–43

The leader RNA of vesicular stomatitis virus is bound by a cellular protein reactive with anti-La lupus antibodies.

Kurilla MG, et al. **Cell** 1983 Oct;34(3):837–45

Vesicular stomatitis virus defective interfering particles can contain extensive genomic sequence rearrangements and base substitutions. O'Hara PJ, et al. **Cell** 1984 Apr; 36(4):915–24

RNP template of vesicular stomatitis virus regulates transcription and replication functions. Perrault J, et al. **Cell** 1983 Nov;35(1):175–85

Mechanism of interferon action: inhibition of vesicular stomatitis virus replication in human amnion U cells by cloned human leukocyte interferon. I. Effect on early and late stages of the viral multiplication cycle. Masters PS, et al. **J Biol Chem** 1983 Oct 10;258(19):12019–25

Mechanism of interferon action: inhibition of vesicular stomatitis virus replication in human amnion U cells by cloned human leukocyte interferon. II. Effect on viral macromolecular synthesis. Masters PS, et al. **J Biol Chem** 1983 Oct 10;258(19):12026–33

Co-translational excision of alpha-glucose and alpha-mannose in nascent vesicular stomatitis virus G protein. Atkinson PH, et al. **J Cell Biol** 1984 Jun; 98(6):2245–9

Viral glycoproteins destined for apical or basolateral plasma membrane domains traverse the same Golgi apparatus during their intracellular transport in doubly infected Madin–Darby canine kidney cells. Rindler MJ, et al. **J Cell Biol** 1984 Apr;98(4):1304–19

Effect of microtubule assembly status on the intracellular processing and surface expression of an integral protein of the plasma membrane. Rogalski AA, et al. **J Cell Biol** 1984 Sep;99(3):1101–9

Reconstruction experiments demonstrating selective effects of defective interfering particles on mixed populations of vesicular stomatitis virus. Horodyski FM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):819–23

Detection of vesicular stomatitis virus RNA and its defective-interfering particles in individual mouse brains. Cave DR, et al. **J Virol** 1984 Apr;50(1):86–91

Specific interactions of vesicular stomatitis virus L and NS proteins with heterologous genome ribonucleoprotein template lead to mRNA synthesis in vitro. De BP, et al. **J Virol** 1984 Sep;51(3):628–34

Nucleotide sequence of an aberrant glycoprotein mRNA synthesized by the internal deletion mutant of vesicular stomatitis virus. Herman RC. **J Virol** 1984 May;50(2):524–8

Sites of copy choice replication involved in generation of vesicular stomatitis virus defective-interfering particle RNAs. Meier E, et al. **J Virol** 1984 Aug;51(2):515–21

Vesicular stomatitis virus mutants resistant to defective-interfering particles accumulate stable 5'-terminal and fewer 3'-terminal mutations in a stepwise manner. O'Hara PJ, et al. **J Virol** 1984 Mar;49(3):793–8

N protein alone satisfies the requirement for protein synthesis during RNA replication of vesicular stomatitis virus. Patton JT, et al. **J Virol** 1984 Feb;49(2):303–9

ATP dependence of vesicular stomatitis virus transcription initiation and modulation by mutation in the nucleocapsid protein. Perrault J, et al. **J Virol** 1984 Sep;51(3):635–42

Primary structure of the vesicular stomatitis virus polymerase (L) gene: evidence for a high frequency of mutations. Schubert M, et al. **J Virol** 1984 Aug;51(2):505–14

Vesicular stomatitis virus induced membrane changes: a spin label study. Gutierrez PL, et al. **Life Sci** 1984 Aug 13; 35(7):747–52

Complete sequences of the intergenic and mRNA start signals in the Sendai virus genome: homologies with the genome of vesicular stomatitis virus. Gupta KC, et al. **Nucleic Acids Res** 1984 May 11;12(9):3829–41

Structure and origin of a novel class of defective interfering particle of vesicular stomatitis virus. Nichol ST, et al. **Nucleic Acids Res** 1984 Mar 26;12(6):2775–90

Initiation of RNA synthesis in vitro by vesicular stomatitis virus: single internal initiation in the presence of aurintricarboxylic acid and vanadyl ribonucleoside complexes. Talib S, et al. **Nucleic Acids Res** 1983 Oct 25; 11(20):7031–42

Lymphocytic choriomeningitis virus. VIII. Reciprocal formation of pseudotypes with vesicular stomatitis virus. Bruns M, et al. **Virology** 1984 Aug;137(1):49–57

The effect of poliovirus infection on the translation in vitro of VSV messenger ribonucleoprotein particles. Jones CL, et al. **Virology** 1983 Sep;129(2):415–30

Structural and functional characterization of the RNA-positive complementation groups, C and D, of the New Jersey serotype of vesicular stomatitis virus: assignment of the M gene to the C complementation group. Kennedy-Morrow J, et al. **Virology** 1984 Jan 15; 132(1):38–52

Intracellular events following the infection of different cell types with vesicular stomatitis subviral particles. Martinet-Edelist C, et al. **Virology** 1984 May;135(1):266–78

Vaccinia rescue of VSV from interferon-induced resistance: reversal of translation block and inhibition of protein kinase activity. Whitaker-Dowling P, et al. **Virology** 1983 Nov; 131(1):128–36

Superinfection exclusion by vesicular stomatitis virus. Whitaker-Dowling P, et al. **Virology** 1983 Nov; 131(1):137–43

Interactions of plus and minus strand leader RNAs of the New Jersey serotype of vesicular stomatitis virus with the cellular La protein. Wilusz J, et al. **Virology** 1984 May; 135(1):65–73

GROWTH & DEVELOPMENT

The formation of vesicular stomatitis virus (San Juan strain) becomes temperature-sensitive when glucose residues are retained on the oligosaccharides of the glycoprotein. Schlesinger S, et al. **J Biol Chem** 1984 Jun 25; 259(12):7597–601

Mx gene control of interferon action: different kinetics of the antiviral state against influenza virus and vesicular stomatitis virus. Arnheiter H, et al. **J Virol** 1983 Sep; 47(3):626–30

Injection of mice with antibody to interferon renders peritoneal macrophages permissive for vesicular stomatitis virus and encephalomyocarditis virus. Belardelli F, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):602–6

Pleiotropic activities of human interferons are mediated by multiple response pathways. Forti RL, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):170–4

Reversible restriction of vesicular stomatitis virus in permissive cells treated with inhibitors of prostaglandin biosynthesis. Mukherjee PK, et al. **Virology** 1984 Jun; 135(2):345–55

Mechanism of interferon action: human leukocyte and immune interferons regulate the expression of different genes and induce different antiviral states in human amnion U cells. Samuel CE, et al. **Virology** 1983 Oct 30; 130(2):474–84

IMMUNOLOGY

Development of an immunoelectroosmophoresis test for the detection and typing of antibodies to vesicular stomatitis viruses. Wilks CR, et al. **Can J Comp Med** 1984 Apr; 48(2):179–83

[Receptor structural study of BHK 21 cells interacting with the vesicular stomatitis virus] Seganti L, et al. **Ann Ist Super Sanita** 1982;18(3):385–8 (Eng. Abstr.) **(Ita)**

[Antiviral action of monoclonal antibodies] Novokhatskiĭ AS, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):567–70 (Eng. Abstr.) **(Rus)**

METABOLISM

1H NMR spectroscopy of carbohydrates from the G glycoprotein of vesicular stomatitis virus grown in parental and Lec4 Chinese hamster ovary cells. Stanley P, et al. **Arch Biochem Biophys** 1984 Apr;230(1):363–74

Influence of the membrane glycoprotein and cholesterol of vesicular stomatitis virus on the dynamics of viral and model membranes: fluorescence studies. Pal R, et al. **Biochemistry** 1983 Jul 19;22(15):3624–30

Release of fatty acids from virus glycoproteins by hydroxylamine. Magee AI, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):156–66

Intracellular appearance of a glycoprotein in VSV-infected BHK cells lacking the membrane-anchoring oligopeptide of the viral G-protein. Garreis-Wabnitz C, et al. **EMBO J** 1984 Jul;3(7):1469–76

Transcytosis of the G protein of vesicular stomatitis virus after implantation into the apical plasma membrane of Madin–Darby canine kidney cells. I. Involvement of endosomes and lysosomes. Pesonen M, et al. **J Cell Biol** 1984 Sep;99(3):796–82

Transcytosis of the G protein of vesicular stomatitis virus after implantation into the apical membrane of Madin–Darby canine kidney cells. II. Involvement of the Golgi complex. Pesonen M, et al. **J Cell Biol** 1984 Sep; 99(3):803–9

Vesicular stomatitis virus glycoprotein, albumin, and transferrin are transported to the cell surface via the same Golgi vesicles. Strous GJ, et al. **J Cell Biol** 1983 Dec; 97(6):1815–22

Interaction of L and NS proteins of vesicular stomatitis virus with its template ribonucleoprotein during RNA synthesis in vitro. Thornton GB, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):663–8

Effect of the beta-gamma phosphate bond of ATP on synthesis of leader RNA and mRNAs of vesicular stomatitis virus. Green TL, et al. **J Virol** 1984 Apr;50(1):255–7

Protein synthesis in VSV infected CNS, neuroblastoma and BHK cell lines. Marcovistz R, et al. **Microbiologica** 1983 Oct;6(4):293–304

Antibody-induced modulation of proteins in vesicular stomatitis virus-infected fibroblasts. O'Rourke EJ, et al. **Mol Cell Biol** 1983 Sep;3(9):1580–8

Construction and expression of a recombinant DNA gene encoding a polyomavirus middle-size tumor antigen with the carboxyl terminus of the vesicular stomatitis virus glycoprotein G. Templeton D, et al. **Mol Cell Biol** 1984 Feb;4(2):282–9

The presence of cysteine in the cytoplasmic domain of the vesicular stomatitis virus glycoprotein is required for palmitate addition. Rose JK, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2050–4

A cell line expressing vesicular stomatitis virus glycoprotein fuses at low pH. Florkiewicz RZ, et al. **Science** 1984 Aug 17;225(4663):721–3

Further studies of the RNA synthesis phenotype selected during persistent infection with vesicular stomatitis virus. Frey TK, et al. **Virology** 1984 Jul 15;136(1):211–20

Identification of a new protein present in vesicular stomatitis virus-infected Chinese hamster ovary cells as a degradation product of viral M protein. Rosen CA, et al. **Virology** 1983 Oct 30;130(2):331–41

PATHOGENICITY

Effects of DEAE-dextran on infection and hemolysis by VSV. Evidence that nonspecific electrostatic interactions mediate effective binding of VSV to cells. Bailey CA, et al. **Virology** 1984 Feb;133(1):111–8

PHYSIOLOGY

Mechanism of interferon action. Inhibition of vesicular stomatitis virus in human amnion U cells by cloned human leukocyte interferon. Masters PS, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):326–34

Vesicular stomatitis virus infects and matures only through the basolateral surface of the polarized epithelial cell line, MDCK. Fuller S, et al. **Cell** 1984 Aug;38(1):65–77

Cell surface expression of fusogenic vesicular stomatitis virus G protein from cloned cDNA. Riedel H, et al. **EMBO J** 1984 Jul;3(7):1477–83

Viruses budding from either the apical or the basolateral plasma membrane domain of MDCK cells have unique phospholipid compositions. van Meer G, et al. **EMBO J** 1982;1(7):847–52

pH-dependent fusion induced by vesicular stomatitis virus glycoprotein reconstituted into phospholipid vesicles. Eidelman O, et al. **J Biol Chem** 1984 Apr 10;259(7):4622–8

A synthetic peptide corresponding to the NH2 terminus of vesicular stomatitis virus glycoprotein is a pH-dependent hemolysin. Schlegel R, et al. **J Biol Chem** 1984 Apr 25; 259(8):4691–4

Cell cycle requisite for vesicular stomatitis virus replication in T lymphocytes activated with concanavalin A. Fujisawa H, et al. **J Clin Lab Immunol** 1984 Jan;13(1):41–6

Scanning electron microscope examination of epithelial cells infected with enveloped viruses. Apelian Z, et al. **J Virol Methods** 1984 Feb;8(1–2):147–54

Polarized assembly of enveloped viruses from cultured epithelial cells. Rodriguez-Boulan E. **Methods Enzymol** 1983;98:486–501

Induction of stress proteins in Sindbis virus- and vesicular stomatitis virus-infected cells. Garry RF, et al. **Virology** 1983 Sep;129(2):319–32

ULTRASTRUCTURE

Immunoelectron microscopic studies of the intracellular transport of the membrane glycoprotein (G) of vesicular stomatitis virus in infected Chinese hamster ovary cells. Bergmann JE, et al. **J Cell Biol** 1983 Dec;97(6):1777–87

VESTIBULAR APPARATUS

Analysis of slow phase eye velocity during the course of an acute vestibulopathy. Hess K, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:227–30

Vestibuloneurological disorders due to lasting influence of noise and vibrations. Krejčová H, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:242–4

'The way to the discovery on the rotation of the universe by the Austrian Extraterrestrial vestibular research (ExTV)'. Pichler HJ. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:282–7

Neurophysiological and clinical aspects of vestibular disorders. 8th Extraordinary meeting of the Bárány Society, Basel, June 22–25, 1982. **Adv Otorhinolaryngol** 1983; 30:1–369

The efficacy of vestibular stimulation as a form of specific sensory enrichment. Quantitative review of the literature. Ottenbacher KJ, et al. **Clin Pediatr (Phila)** 1984 Aug; 23(8):428–33

Discrimination of peripheral and central vestibular disorders by means of a quantitative statistical method. Imoto T, et al. **J Biomed Eng** 1984 Jan;6(1):40–4

Vestibular dysfunction presenting as syncope. Chisholm JC Jr. **J Natl Med Assoc** 1983 Nov;75(11):1101–2

Caloric and oculomotor tests in neuroaudiological diagnosis. Bergenius J. **Scand Audiol [Suppl]** 1984;20:1–35

A vestibular syndrome associated with Cryptococcus neoformans in a horse. Teuscher E, et al. **Zentralbl Veterinarmed [A]** 1984 Mar;31(2):132–9

[The vestibular apparatus and its diseases] Kronenberg J, et al. **Harefuah** 1983 Apr 1;104(7):291–3 **(Heb)**

[Vestibular rehabilitation] Mira E. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):275–9 (Eng. Abstr.) **(Ita)**

[Rehabilitation and vertigo syndromes] Serra A, et al. **Acta Otorhinolaryngol Ital** 1983 May–Jun;3(3):281–7 (Eng. Abstr.) **(Ita)**

[Vestibular function in female transport workers with cervical osteochondrosis] Sanov A, et al. **Probl Khig** 1983; 8:94–101 (Eng. Abstr.) **(Rus)**

[Cochleovestibular disorders in chronic alcoholics] Zuev VA. **Zh Nevropatol Psikhiatr** 1984;84(2):238–40 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

'Spinner' cephalopods: defects of statocyst suprastructures in an invertebrate analogue of the vestibular apparatus. Colmers WF, et al. **Cell Tissue Res** 1984;236(3):505–15

ANATOMY & HISTOLOGY

Dimensional analysis and dynamic response characterization of mammalian peripheral vestibular structures. Ramprashad F, et al. **Am J Anat** 1984 Mar;169(3):295–313

Relationship of the vestibular hair cells to magnetic particles in the otolith of the guitarfish sacculus. Vilches-Troya J, et al. **J Comp Neurol** 1984 Jul 10;226(4):489–94

A quantitative analysis of the spatial organization of the vestibulo-ocular reflexes in lateral- and frontal-eyed animals—I. Orientation of semicircular canals and extraocular muscles. Ezure K, et al. **Neuroscience** 1984 May;12(1):85–93

A quantitative analysis of the spatial organization of the vestibulo-ocular reflexes in lateral- and frontal-eyed animals—II. Neuronal networks underlying vestibulo-oculomotor coordination. Ezure K, et al. **Neuroscience** 1984 May;12(1):95–109

The vestibular and cochlear aqueduct. Wilbrand HF. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(2):101–9

DRUG EFFECTS

Chlorphentermine-induced changes of the peripheral vestibular sense organ of the rat. Bichler E, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5–6):421–8

The effects of ethyl alcohol on visual pursuit and suppression of the vestibulo-ocular reflex. Barnes GR. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:161–6

A reduction of vestibulo-visual integration during transdermally administered scopolamine and dimenhydrinate. A presentation of gain control theory in motion sickness. Pyykkö I, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:167–73

Vestibulo-ocular disturbances in rats exposed to organic solvents. Tham R, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):58–63

A possible method to study transient effects of ototoxic agents on the vestibular system. Wit HP, et al. **Arch Otorhinolaryngol** 1983;238(2):175–8

Influence of vestibular and cerebellar dysfunction on the performance of alcoholics on the Rod-and-Frame Test. Holm L, et al. **J Stud Alcohol** 1983 Sep;44(5):780–6

Vestibulo-oculomotor disturbances caused by industrial solvents. Odkvist L, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):537–9

[Current advances in vestibular neuropharmacology. A critical analysis of recent findings on neurotransmitters] Garaventa G, et al. **Acta Otorhinolaryngol Ital** 1983 Nov-Dec;3(6):669–78 (Eng. Abstr.) **(Ita)**

[Doxycycline and vestibular toxicity (letter)] Rodrigo C, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):649 **(Spa)**

EMBRYOLOGY

Embryonic development of the specific vestibular hair cell pathology in a strain of the waltzing guinea pig. Sobin A, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec; 96(5–6):397–405

Development of intercellular junctions in the vestibular end-organ. A freeze-fracture study in the mouse. Bagger-Sjöbäck D, et al. **Ann Otol Rhinol Laryngol** 1984 Jan-Feb;93(1 Pt 1):89–95

Principles in embryonic development and differentiation of vestibular hair cells. Anniko M, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):540–9

IMMUNOLOGY

Immunohistochemical identification and localization of actin and fimbrin in vestibular hair cells in the normal guinea pig and in a strain of the waltzing guinea pig. Sobin A, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec; 96(5–6):407–12

INJURIES

Curare and the efferent vestibular system. An electrophysiological study in the frog. Caston J, et al. **Acta Otolaryngol (Stockh)** 1984 Jan-Feb;97(1–2):19–26

Labyrinthine membrane rupture caused by elevated intratympanic pressure during general anesthesia. Segal S, et al. **Am J Otol** 1984 Apr;5(4):308–10

Traumatic perilymph fistulae of the round and oval windows. Grewal DS, et al. **J Laryngol Otol** 1983 Dec;97(12):1149–55

INNERVATION

Postnatal development of the vestibular sensory epithelium in the mouse. Nordemar H. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5–6):447–56

Efferent innervation of vestibular receptors in the cat: a radioautographic visualization. Raymond J, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5–6):413–9

Is substance P the neurotransmitter in the vestibular end organs? Ylikoski J, et al. **Acta Otolaryngol (Stockh)** 1984 May-Jun;97(5–6):523–8

Dynamic characteristics of vestibular and visual control of rapid postural adjustments. Lacour M, et al. **Adv Neurol** 1983;39:589–605

Synaptic structures of the human vestibular ganglion. Kitamura K, et al. **Adv Otorhinolaryngol** 1983;31:118–34

Initial, rapid phase of recovery from unilateral vestibular lesion in rat not dependent on survival of central portion of vestibular nerve. Sirkin DW, et al. **Brain Res** 1984 Jun 8;302(2):245–56

Visual influence on postural control in the cat. Clément G, et al. **Exp Brain Res** 1983;52(3):429–38

A bilateral model for central neural pathways in vestibuloocular reflex. Galiana HL, et al. **J Neurophysiol** 1984 Feb;51(2):210–41

Evidence for an organized lattice in the intercellular space of vestibular sensory cat epithelia. Favre D, et al. **J Neurosci Res** 1984;11(3):293–301

The efferent vestibular system in the cat: a horseradish peroxidase and fluorescent retrograde tracers study. Dechesne C, et al. **Neuroscience** 1984 Apr;11(4):893–901

PATHOLOGY

The vestibular aqueduct in patients with Meniere's disease. A temporal bone histopathological investigation. Sando I, et al. **Acta Otolaryngol (Stockh)** 1984 May-Jun; 97(5–6):558–70

PHYSIOLOGY

Voluntary control of the human vestibulo-ocular reflex. Baloh RW, et al. **Acta Otolaryngol (Stockh)** 1984 Jan-Feb; 97(1–2):1–6

Gain and phase characteristics of compensatory eye movements in light and darkness. A study with a broad frequency-band rotatory test. Larsby B, et al. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr;97(3–4):223–32

The vestibular system. Fundamental and clinical observations. Proceedings of the Bárány Society meeting. Uppsala, June 1–3, 1983. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:1–287

Intersubject variability in VOR responses to 0.005–1.0 Hz sinusoidal rotations. Wall C 3d, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:194–8

Evaluation of the vestibulospinal reflex by posturography. New perspectives in the otoneurology. Norré ME, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):679–86

Effects of board and tower diving on the auditory and vestibular analyzer. Novotný Z, et al. **Acta Univ Carol [Med] (Praha)** 1982;28(7–8):473–7

Neurophysiological and clinical aspects of vestibular compensation. **Adv Otorhinolaryngol** 1983;30:319–44

Visual-vestibular interaction. **Adv Otorhinolaryngol** 1983; 30:217–41

Neurophysiological and clinical aspects of the vestibulo-ocular and the optokinetic reflex. **Adv Otorhinolaryngol** 1983;30:1–130

Cochlear implant versus vestibular stimulation. Communication. Bleeker JD, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):192–3

Short latency vestibular evoked response to acceleration stimuli recorded by skin electrodes. Elidan J, et al. **Ann Otol Rhinol Laryngol** 1984 May-Jun;93(3 Pt 1):257–61

Recovery of vestibulo-ocular reflex and gaze disturbance in patients with unilateral loss of labyrinthine function. Takahashi M, et al. **Ann Otol Rhinol Laryngol** 1984 Mar-Apr;93(2 Pt 1):170–5

Barany's History of Vestibular Physiology. Translation and commentary. Pappas DG. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Mar-Apr;110:1–16

Recovery of the vertical vestibulo-ocular reflex gain in rabbits submitted to bilateral and unilateral visual deprivation from birth. Favilla M, et al. **Arch Ital Biol** 1984 Jun;122(2):121–8

Inhibition of vestibular and neck reflexes in forelimb extensor muscles during the episodes of postural atonia induced by an anticholinesterase in decerebrate cat. Manzoni D, et al. **Arch Ital Biol** 1983 Dec;121(4):267–83

High-frequency vestibulo-ocular reflex activation through forced head rotation in man. Gauthier GB, et al. **Aviat Space Environ Med** 1984 Jan;55(1):1–7

Mechanisms of activation and control in labyrinthine organs. Valli P, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:47–51

Reliability of the vestibulo-ocular reflex as an index of the effects of hypnotic drugs on the central nervous system. Cerchiari EL, et al. **Br J Anaesth** 1984 Apr;56(4):325–31

Interaction between signals from vestibular and forelimb receptors in Purkinje cells of the frog vestibulocerebellum. Amat J. **Brain Res** 1983 Nov 14;278(1–2):287–90

Increased binding of GABA to its post-synaptic carrier sites on the plasma membrane of Deiters' neurons after a learning experiment in rats. Hydén H, et al. **Brain Res** 1984 Feb 27;294(1):37–45

Neuronal events correlated with long-term adaptation of the horizontal vestibulo-ocular reflex in the primate flocculus. Watanabe E. **Brain Res** 1984 Apr 9;297(1):169–74

Non-linear effects in visual suppression of vestibular nystagmus. Barnes GR, et al. **Exp Brain Res** 1983; 52(1):9–19

The effects of strobe rate of head-fixed visual targets on suppression of vestibular nystagmus. Barnes GR, et al. **Exp Brain Res** 1983;50(2–3):228–36

Responses of units in the rat cerebellar flocculus during optokinetic and vestibular stimulation. Blanks RH, et al. **Exp Brain Res** 1983;53(1):1–15

The effect of central retinal lesions on optokinetic nystagmus in the monkey. Büttner U, et al. **Exp Brain Res** 1983; 52(2):248–56

Interaction of tonic neck and vestibular reflexes in the forelimb of the decerebrate cat. Ezure K, et al. **Exp Brain Res** 1984;54(2):289–92

Modification of per- and postrotational responses by voluntary motor activity of the limbs. Guedry FE, et al. **Exp Brain Res** 1983;52(2):190–8

Adaptive modification of the vestibulo-ocular reflex by mental effort in darkness. Jones GM, et al. **Exp Brain Res** 1984;56(1):149–53

Visual and vestibular contributions to prelanding EMG during jump-downs in cats. McKinley PA, et al. **Exp Brain Res** 1983;52(3):439–48

Effects of vestibulocerebellar lesions upon dynamic characteristics and adaptation of vestibulo-ocular and optokinetic responses in pigmented rabbits. Nagao S. **Exp Brain Res** 1983;53(1):36–46

Influence of vestibulo-ocular reflex gain on human optokinetic responses. Zasorin NL, et al. **Exp Brain Res** 1983;51(2):271–4

Neural correlates of compensation after hemilabyrinthectomy. Yagi T, et al. **Exp Neurol** 1984 Apr; 84(1):98–108

Dependence of characteristics of the slow phases of galvanic nystagmus on parameters of electrical stimulation. Dormashev YuB, et al. **Hum Physiol** 1983 Jul-Aug; 9(4):260–7

Effects of deuterium oxide and galvanic vestibular stimulation on visual cortical cell function. Reinis S, et al. **J Neurophysiol** 1984 Mar;51(3):481–99

Tonic neck reflex of the decerebrate cat: response of spinal interneurons to natural stimulation of neck and vestibular receptors. Wilson VJ, et al. **J Neurophysiol** 1984 Mar; 51(3):567–77

Contribution of cerebellar intracortical inhibition to Purkinje cell response during vestibulo-ocular reflex of alert rabbits. Miyashita Y, et al. **J Physiol (Lond)** 1984 Jun;351:251–62

Physiology of visuo-vestibular interactions: discussion paper. Barnes GR. **J R Soc Med** 1983 Sep;76(9):747–54

Vestibular function in microgravity [editorial] **Lancet** 1984 Sep 8;2(8402):561

Ocular counterrolling as an indicator of vestibular otolith function. Diamond SG, et al. **Neurology (NY)** 1983 Nov; 33(11):1460–9

The saccadic system and the vestibulo-ocular reflex in the cat do not share the same integrator. Godaux E, et al. **Neurosci Lett** 1983 Aug 8;38(3):263–8

Visual (optokinetic), somesthetic and vestibular inputs to the frog cerebellum. Amat J, et al. **Neuroscience** 1984 Apr; 11(4):877–84

Convergence and interaction of neck and macular vestibular inputs on reticulospinal neurons. Pompeiano O, et al. **Neuroscience** 1984 May;12(1):111–28

Vestibular neurophysiology. Barber HO. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):55–8

Crossed vestibulo-vestibular interneurons in teleost fish: morphological basis for a near simultaneous inhibition of target cells on both sides of the brainstem. Triller A, et al. **Prog Brain Res** 1983;58:175–81

The latency of pathways containing the site of motor learning in the monkey vestibulo-ocular reflex. Lisberger SG. **Science** 1984 Jul 6;225(4657):74–6

Effects of rectilinear acceleration and optokinetic and caloric stimulations in space. von Baumgarten R, et al. **Science** 1984 Jul 13;225(4658):208–12

[Vestibular compensation] Albano V. **Acta Otorhinolaryngol Ital** 1983 May-Jun;3(3):225–32 (Eng. Abstr.) **(Ita)**

[Vestibular compensation: experimental data] Azzena GB. **Acta Otorhinolaryngol Ital** 1983 May-Jun;3(3):271–4 (Eng. Abstr.) **(Ita)**

[The effect of vestibular excitation on the behavior of critical fusion frequency of light stimuli in normal subjects] Rizzo P, et al. **Riv Med Aeronaut Spaz** 1982 Jan-Dec; 47(1–4):175–88 (Eng. Abstr.) **(Ita)**

[Effect of antihistaminic agents on the blood supply to the brain in stimulation of the vestibular apparatus] Beketov AI, et al. **Farmakol Toksikol** 1983 Jul-Aug;46(4):29–33 (Eng. Abstr.) **(Rus)**

[Functioning of the vestibular apparatus as a gyroscopic system in biplane rotation] Vorob'ev OA. **Izv Akad Nauk SSSR [Biol]** 1984 Mar-Apr;(2):259–65 (Eng. Abstr.) **(Rus)**

[Function of the auditory and vestibular analyzers during exposure to factors involved in aerospace flight] Lapaev EV, et al. **Probl Kosm Biol** 1983;47:1–240 (326 ref.) **(Rus)**

[Physiological vestibular nystagmus] Grinchuk VI. **Vestn Otorinolaringol** 1984 Jul-Aug;(4):18–23 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of the vestibular reaction based on cupulometric data] Luchikhin LA, et al. **Vestn Otorinolaringol** 1983 Jul-Aug;(4):32–8 (Eng. Abstr.) **(Rus)**

[The state of equilibrium in persons of various age groups based on stabilographic data] Luchikhin LA, et al. **Vestn Otorinolaringol** 1983 Sep-Oct;(5):29–34 (Eng. Abstr.) **(Rus)**

[Effect of hyperstimulation of the vestibular analyzer on the adrenocorticotropic function of the hypophysis and adrenal cortex] Revskoĭ IuK, et al. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):29–32 (Eng. Abstr.) **(Rus)**

[Bioelectric activity of the human brain registered in response to adequate vestibular stimulation] Trinus KF. **Vrach Delo** 1984 Mar;(3):83–4 **(Rus)**

PHYSIOPATHOLOGY

Somatosensory compensation for loss of labyrinthine function. Bles W, et al. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr;97(3-4):213-21

Quantification of slow compensatory eye movements in patients with bilateral vestibular loss. A study with a broad frequency-band rotatory test. Hydén D, et al. **Acta Otolaryngol (Stockh)** 1983 Sep-Oct;96(3-4):199-206

Quantification and localization of vestibular loss in unilaterally labyrinthectomized patients using a precise rotatory test. Istl YE, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5-6):437-45

Low and high frequency sinusoidal rotational testing in patients with peripheral vestibular lesions. Baloh RW, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:189-93

Vestibulo-spinal control differs in patients with reduced versus distorted vestibular function. Black FO, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:110-4

The vestibular index of patients with cochleo-vestibular insufficiency after neurolysis of the eighth cranial nerve. Haid T, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:275-7

Quantitative analysis of the visual vestibulo-ocular reflex using sinusoidal rotation in patients with peripheral vestibular disorders. Mizukoshi K, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:178-81

Visuo-vestibular interaction in the otoneurological semiology. Norré ME, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):687-96

Vestibular functioning--an indepth review. Gorman DR. **Am Correct Ther J** 1983 Nov-Dec;37(6):166-74 (31 ref.)

Vestibular-induced vomiting after vestibulocerebellar lesions. Miller AD, et al. **Brain Behav Evol** 1983;23(1-2):26-31

Vestibulo-ocular and optokinetic deficits in albinos with congenital nystagmus. Demer JL, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):739-45

Influence of peripheral vision upon vestibulo-ocular reflex suppression. Hood JD, et al. **J Neurol Sci** 1984 Jan; 63(1):27-44

Diagnostic accuracy of rotation testing vs. standard vestibular test battery--a long-term study. LeLiever WC, et al. **Laryngoscope** 1984 Jul;94(7):896-900

Vestibular stimulation and eye contact in autistic children. Slavik BA, et al. **Neuropediatrics** 1984 Feb;15(1):33-6

Counterdrifting of the eyes: additional findings and hypothesis. Hess K, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(1):1-6

Differential diagnosis of central vestibular disorders by combined tests with perrotatory ocular fixation and auditory brain stem response. Kanzaki J, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):306-14

Vestibular dysfunction and psychopathology. Levy DL, et al. **Schizophr Bull** 1983;9(3):383-438 (310 ref.)

[Experimental stimulation of the vestibular apparatus with warm air] Hložek Z, et al. **Cesk Otolaryngol** 1984 Apr; 33(2):79-83 (Eng. Abstr.) **(Cze)**

[Cochleo-vestibular function in Ménière's disease : correlations between audiometric and electronystagmographic data] Rosignoli M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(5):423-9 (Eng. Abstr.) **(Fre)**

[Correlation between the maximal velocity of the slow phase and the duration of caloric nystagmus in the normal and pathologic subject] Dejonckére P. **Rev Otoneuroophtalmol** 1984 Jan-Feb;56(1):71-8 (Eng. Abstr.) **(Fre)**

[Primary component analysis as a means of static and developmental study of cochleovestibular pathology. Apropos of 337 cases] Perrin P, et al. **Rev Otoneuroophtalmol** 1984 Jan-Feb;56(1):35-55 (Eng. Abstr.) **(Fre)**

[Monosymptomatic onset of Menière's disease] Baumgarten D, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Nov; 62(11):505-7 (Eng. Abstr.) **(Ger)**

[Combined computer-assisted neuro-otologic diagnosis of inner ear function in children] Claussen CF, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Mar;63(3):151-5 (Eng. Abstr.) **(Ger)**

[Vestibular vertigo] Henn V. **Schweiz Rundsch Med Prax** 1984 Mar 6;73(10):315-8 (Eng. Abstr.) **(Ger)**

[Caloric tests, their current variants, merits and faults] Blagoveshchenskaia NS. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):6-13 (Eng. Abstr.) **(Rus)**

[Vestibular symptoms in unilateral deafness caused by neurinoma of the 8th pair of cranio-cerebral nerves] Petrova EI, et al. **Vestn Otorinolaringol** 1984 Jan-Feb; (1):18-21 (Eng. Abstr.) **(Rus)**

[Vestibular dysfunction study by electronystagmography of hypertension patients who have undergone treatment in the biotron] Mostovais TS, et al. **Vrach Delo** 1984 Jul; (7):70-2 (Eng. Abstr.) **(Rus)**

[Focal cerebral ischemia. III. Reactivity of the vestibular apparatus in relation to the site of the ischemic lesion] Modravý V, et al. **Cesk Neurol Neurochir** 1984 Jan; 47(1):33-7 (Eng. Abstr.) **(Slo)**

[Focal cerebral ischemia. II. Reactivity of the vestibular apparatus in relation to the course of the disease and the extent of the ischemic lesion] Modravý V, et al. **Cesk Neurol Neurochir** 1983 Nov;46(6):358-65 (Eng. Abstr.) **(Slo)**

RADIATION EFFECTS

Malformations of vestibular organs following low dose gamma irradiation during embryonic development. Hultcrantz M, et al. **Acta Otolaryngol (Stockh)** 1984 Jan-Feb;97(1-2):7-17

RADIOGRAPHY

Polytomography of the vestibular aqueduct in patients with Menière's disease. Emery PJ, et al. **J Laryngol Otol** 1983 Nov;97(11):1007-12

Significance of tomography in Meniere's disease: periaqueductal pneumatization. Hall SF, et al. **Laryngoscope** 1983 Dec;93(12):1551-3

Significance of tomography in Meniere's disease: visualization and morphology of the vestibular aqueduct. Hall SF, et al. **Laryngoscope** 1983 Dec;93(12):1546-50

The vestibular aqueduct in congenital deafness: evaluation by the axial projection. Becker TS, et al. **Radiology** 1983 Dec;149(3):741-4

SURGERY

Common complications following removal of vestibular schwannoma. Montgomery WW. **Adv Otorhinolaryngol** 1983;31:228-39

Cochlear pathology following experimental ablation of the vestibular labyrinth. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul-Aug;112:52-8

ULTRASTRUCTURE

Freeze-fracturing of vestibular sensory epithelia in a strain of the waltzing guinea pig. Sobin A, et al. **Acta Otolaryngol (Stockh)** 1983 Sep-Oct;96(3-4):207-14

A morphological study on vestibular sensory epithelia in a strain of the waltzing guinea pig. Sobin A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1983;396:1-32

VESTIBULAR AQUEDUCT see under **VESTIBULAR APPARATUS**

VESTIBULAR FUNCTION TESTS

Audio-vestibular findings in patients with vestibular neuritis. Bergenius J, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5-6):389-95

Quantification and localization of vestibular loss in unilaterally labyrinthectomized patients using a precise rotatory test. Istl YE, et al. **Acta Otolaryngol (Stockh)** 1983 Nov-Dec;96(5-6):437-45

The pseudorandom sinusoidal (PRSS) stimulus profile. Vesterhauge S, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:199-202

Vestibular tests and diagnosis of intracranial pathology by neuro-otological approaches. **Adv Otorhinolaryngol** 1983; 30:131-216

The air caloric test and its normal values. Gao YZ, et al. **Adv Otorhinolaryngol** 1983;31:191-7

Standardization of the prone extension postural test on children ages 4 through 8. Gregory-Flock JL, et al. **Am J Occup Ther** 1984 Mar;38(3):187-94

Reliability of the Southern California Postrotary Nystagmus Test with learning-disabled children. Morrison D, et al. **Am J Occup Ther** 1983 Oct;37(10):694-8

Vestibular caloric test and local anaesthesia: a nystagmographical study on pigeons. Gursel AO, et al. **Clin Otolaryngol** 1983 Oct;8(5):313-6

Neuro-otological abnormalities in Friedreich's ataxia. Ell J, et al. **J Neurol Neurosurg Psychiatry** 1984 Jan;47(1):26-32

Vestibular studies in Pelizaeus-Merzbacher disease. Mallinson AI, et al. **J Otolaryngol** 1983 Dec;12(6):361-4

Diagnostic accuracy of rotation testing vs. standard vestibular test battery--a long-term study. LeLiever WC, et al. **Laryngoscope** 1984 Jul;94(7):896-900

Caloric stimulation-induced augmentation of H-reflexes in normal subjects, but not in spinal cord-injured patients. Raffensperger M, et al. **Neurosurgery** 1984 May;14(5):562-6

Internal and external vestibular caloric tests in pigeons. A nystagmographic study. Gursel AO, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(5):270-8

Impairment of visuo-vestibular interaction in humans exposed to toluene. Hydén D, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(5):262-9

Characteristics of vestibular function and static balance skills in deaf children. Potter CN, et al. **Phys Ther** 1984 Jul; 64(7):1071-5

Caloric and oculomotor tests in neuroaudiological diagnosis. Bergenius J. **Scand Audiol [Suppl]** 1984;20:1-35

Effects of rectilinear acceleration and optokinetic and caloric stimulations in space. von Baumgarten R, et al. **Science** 1984 Jul 13;225(4658):208-12

[Correlation between the maximal velocity of the slow phase and the duration of caloric nystagmus in the normal and pathologic subject] Dejonckére P. **Rev Otoneuroophtalmol** 1984 Jan-Feb;56(1):71-8 (Eng. Abstr.) **(Fre)**

[Modification of vestibular tests by alcohol] Scherer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Dec;62(12):558-60 (Eng. Abstr.) **(Ger)**

[Simultaneous pendular and caloric stimulation in normal subjects. Preliminary notes] Bacciu S, et al. **Acta Otorhinolaryngol Ital** 1983 Nov-Dec;3(6):659-68 (Eng. Abstr.) **(Ita)**

[Early acoustic neuromas. Relation between the origin of the tumor and caloric testings] Fukaya T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Dec;86(12):1461-4 (Eng. Abstr.) **(Jpn)**

[Serum catecholamines and blood pressure in caloric test] Okada M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Sep; 86(9):1005-9 (Eng. Abstr.) **(Jpn)**

[Evaluation of the Torok technic in the topolesional diagnosis of vestibular syndromes] Morera C, et al. **An Otorrinolaringol Ibero Am** 1983;10(5):489-95 (Eng. Abstr.) **(Spa)**

METHODS

Harmonic acceleration as a measure of vestibular compensation. Rubin W. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:137-9

A new computer analysis of the caloric test. Wortmann A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:174-7

Evaluation of the vestibulospinal reflex by posturography. New perspectives in the otoneurology. Norré ME, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):679-86

Visuo-vestibular interaction in the otoneurological semiology. Norré ME, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):687-96

A simple and time saving cold mini caloric test. Weinberg J, et al. **J Laryngol Otol** 1984 Jul;98(7):701-5

Differential diagnosis of central vestibular disorders by combined tests with perrotatory ocular fixation and auditory brain stem response. Kanzaki J, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(6):306-14

Caloric testing with small temperature gradients. Caloric zero. Vesterhauge S, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(2):105-10

Quantitative vestibular testing. Baloh RW, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):145-50

[Experimental stimulation of the vestibular apparatus with warm air] Hložek Z, et al. **Cesk Otolaryngol** 1984 Apr; 33(2):79-83 (Eng. Abstr.) **(Cze)**

[The air caloric test] Tománek Z. **Cesk Otolaryngol** 1984 Apr; 33(2):76-8 (Eng. Abstr.) **(Cze)**

[Are the parameters of the Fukuda's stepping test valid?] Gagey PM, et al. **Agressologie** 1983 Jun;24(7):331-6 (Eng. Abstr.) **(Fre)**

[Comparative survey concerning methods of vestibular exploration used in 10 Western European countries] Klein M. **Ann Otolaryngol Chir Cervicofac** 1983;100(6):447-50 (Eng. Abstr.) **(Fre)**

[Caloric tests, their current variants, merits and faults] Blagoveshchenskaia NS. **Vestn Otorinolaringol** 1984 Jan-Feb;(1):6-13 (Eng. Abstr.) **(Rus)**

[Nystagmus reaction in patients with chronic suppurative otitis media from the data of an aerocaloric test] Dainiak AA. **Vestn Otorinolaringol** 1983 Nov-Dec;(6):25-9 (Eng. Abstr.) **(Rus)**

VESTIBULAR NERVE

Clinical significance of head movement while stepping. Taguchi K, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:125-8

Facial and vestibulocochlear nerve disease in six horses. Power HT, et al. **J Am Vet Med Assoc** 1983 Nov 15; 183(10):1076-80

Disabling positional vertigo. Jannetta PJ, et al. **N Engl J Med** 1984 Jun 28;310(26):1700-5

[Jean Bourgeois and Mount Everest. December 1982] Lecomte J, et al. **Rev Med Liege** 1983 Oct 15;38(20):781-3 **(Fre)**

[A case of paroxysmal tinnitus and nystagmus accompanied by facial spasm] Isu T, et al. **No To Shinkei** 1984 Mar; 36(3):237-40 (Eng. Abstr.) **(Jpn)**

[Vestibular neuronitis] Vega Paredes J, et al. **An Otorrinolaringol Ibero Am** 1984;11(1):63-70 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Brainstem projections of different branches of the vestibular nerve. An experimental study by transganglionic transport of horseradish peroxidase in the cat. I. The horizontal ampullar and utricular nerves. Siegborn J, et al. **Arch Ital Biol** 1983 Dec;121(4):237-48

Selective retrograde labeling of neurons of the cat vestibular ganglion with [3H]D-aspartate. Dememes D, et al. **Brain Res** 1984 Jun 18;304(1):188-91

Vestibular nerve input to neck and shoulder regions of lateral cuneate nucleus. Jensen DW, et al. **Brain Res** 1983 Dec 5;280(2):335-8

Thalamic projections to the anterior suprasylvian and posterior sigmoid cortex: an HRP study of the 'vestibular areas' of the cerebral cortex in the cat. Ramírez-Camacho R, et al. **Brain Res Bull** 1984 Mar;12(3):245-52

Cochlear ganglion cells in the alligator lizard. Mulroy MJ. **Hear Res** 1983 Oct;12(1):121-37

Central projections of vestibular afferents from the horizontal semicircular canal in the carpet shark Cephaloscyllium isabella. Housley GD, et al. **J Comp Neurol** 1983 Dec 1; 221(2):154-62

Anatomical characteristics of the anterior vestibular nerve of the bullfrog. Honrubia V, et al. **Laryngoscope** 1984 Apr; 94(4):464-74

Cochlear and vestibular gross and histologic anatomy (as seen

from postauricular approach). Silverstein H. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):207–11

CYTOLOGY

Comparison of vestibular and abducens internuclear projections to the medial rectus subdivision of the oculomotor nucleus in the monkey. Carpenter MB, et al. **Brain Res** 1983 Sep 5;274(1):144–9

DRUG EFFECTS

Effects of trichloroethylene exposure on hearing. An investigation of cochlear microphonics and action potential of the guinea pig. Yamamura K, et al. **Eur J Applied Physiol** 1983;52(1):47–50

PATHOLOGY

Dendritic growth following labyrinthectomy in the squirrel monkey. Light and electron microscopic studies. Fermin CD, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr; 97(3–4):203–12

Submicroscopical changes in the cat Scarpa's ganglion after labyrinthectomy. Richter E. **ORL J Otorhinolaryngol Relat Spec** 1984;46(4):217–22

PHYSIOLOGY

Local mechanisms in vestibular receptor control. Effects of curare on the EPSPs and spike discharge recorded from single afferent fibres of the posterior canal nerve of the frog. Valli P, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):611–8

Influence of bilateral and acute unilateral peripheral vestibular deficits on early sway stabilizing responses in human tibialis anterior muscles. Allum JH, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:115–9

Non-linear characteristics of visual–vestibular interaction. Barnes GR, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:218–23

Vestibulo-spinal control differs in patients with reduced versus distorted vestibular function. Black FO, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:110–4

An approach to quantify central vestibular compensation. Hamid MA, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:87–90

Bechterew's phenomenon in humans. A new explanation. Katsarkas A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:95–100

Brainstem changes in vestibular compensation. Markham CH, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:83–6

Vestibular compensation after sudden loss of inner ear or vestibular nerve functions. Takemori S, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:91–4

Dynamic characteristics of vestibular and visual control of rapid postural adjustments. Lacour M, et al. **Adv Neurol** 1983;39:589–605

Neuronal organization of the premotor system controlling horizontal conjugate eye movements and vestibular nystagmus. Shimazu H. **Adv Neurol** 1983;39:565–88

Second-order neural responses after contralateral vestibular nerve sectioning. Babin RW, et al. **Am J Otolaryngol** 1983 Mar–Apr;4(2):101–6

Responses to somatosensory input by afferent and efferent neurons in the vestibular nerve of the frog. Caston J, et al. **Brain Behav Evol** 1984;24(2–3):135–43

Horizontal and vertical vestibulo-ocular and cervico-ocular reflexes in the monkey during high frequency rotation. Böhmer A, et al. **Brain Res** 1983 Oct 31;277(2):241–8

EMG responses of the vertical eye muscles to dynamic and static natural vestibular stimulation about different axes in alert rabbits. Favilla M, et al. **Brain Res** 1983 Dec 5; 280(2):277–86

Vestibular–oculomotor interaction in cat eye–head movements. Fuller JH, et al. **Brain Res** 1983 Jul 25; 271(2):241–50

Vestibular afferent inputs to lobules I and II of the cerebellar anterior lobe vermis in the cat. Hirai N. **Brain Res** 1983 Oct 24;277(1):145–9

Survival of function in the deafferentated vestibular nerve. Jensen DW. **Brain Res** 1983 Aug 22;273(1):175–8

Responses of semicircular canal and otolith afferents to small angle static head tilts in the gerbil. Perachio AA, et al. **Brain Res** 1983 Dec 5;280(2):287–98

Initial, rapid phase of recovery from unilateral vestibular lesion in rat not dependent on survival of central portion of vestibular nerve. Sirkin DW, et al. **Brain Res** 1984 Jun 8;302(2):245–56

A projection from nucleus reticularis tegmenti pontis of Bechterew to the medial vestibular nucleus in rabbits. Balaban CD. **Exp Brain Res** 1983;51(2):304–9

Pharmacology of the isolated semicircular canal: effect of GABA and picrotoxin. Guth SL, et al. **Exp Brain Res** 1984; 56(1):72–8

Morphophysiological study on the divergent projection of axon collaterals of medial vestibular nucleus neurons in the cat. Isu N, et al. **Exp Brain Res** 1983;53(1):151–62

Possible visual pathways to the cat vestibular nuclei involving the nucleus prepositus hypoglossi. Magnin M, et al. **Exp Brain Res** 1983;51(2):298–303

Short- and long-term modifications of vestibulo-ocular response dynamics following unilateral vestibular nerve lesions in the cat. Maioli C, et al. **Exp Brain Res** 1983; 50(2–3):259–74

Differences between cats in response properties of horizontal semicircular canal primary afferents. Peterka RJ, et al. **Exp Brain Res** 1984;56(1):162–6

The vestibulo-ocular reflex arc in the newborn kitten. An electrophysiologic investigation. Uchino Y, et al. **Exp Brain Res** 1983;53(1):29–35

Responses of pigeon vestibular nerve fibers to sound and vibration with audiofrequencies. Wit HP, et al. **J Acoust Soc Am** 1984 Jan;75(1):202–8

Spastic mutant axolotl: identification of a phenocopy pathway with implications for the control of axolotl swimming by the vestibulocerebellum. Elbert OE, et al. **J Comp Neurol** 1983 Oct 10;220(1):97–105

Relation between discharge regularity and responses to externally applied galvanic currents in vestibular nerve afferents of the squirrel monkey. Goldberg JM, et al. **J Neurophysiol** 1984 Jun;51(6):1236–56

Central compensation of vestibular deficits. II. Influences of roll tilt on different-size lateral vestibular neurons after ipsilateral labyrinth deafferentation. Pompeiano O, et al. **J Neurophysiol** 1984 Jul;52(1):18–38

[Method for in vitro recording of vestibular neurons of the inner ear during postnatal development in the mouse] Desmadryl G, et al. **C R Seances Acad Sci [III]** 1984; 298(8):223–8 (Eng. Abstr.) **(Fre)**

[Method of chronic electrode insertion into the vestibular nerve of the cat] Abakarov AT, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):586–9 **(Rus)**

PHYSIOPATHOLOGY

Audio-vestibular findings in patients with vestibular neuritis. Bergenius J, et al. **Acta Otolaryngol (Stockh)** 1983 Nov–Dec;96(5–6):389–95

Vestibular compensation and nystagmus. Dayal VS, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:105–9

Evoked potentials to rotatory stimulation. Preliminary results. Hofferberth B. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:134–6

Physiological abnormalities in experimental allergic encephalomyelitis (EAE). I. Vestibular hyperreactivity (VH) in rats with EAE. Huygen PL, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:154–60

Vestibulo-oculomotor characteristics in surgically treated patients with cerebellar haemangioblastoma (Lindau tumor). Zangemeister WH, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:182–8

Changes in the human vestibulo-ocular reflex after loss of peripheral sensitivity. Baloh RW, et al. **Ann Neurol** 1984 Aug;16(2):222–8

RADIOGRAPHY

CT in the evaluation of the vestibulocochlear nerves and their central pathways. Evaluation of neurotologic disorders. Mafee MF, et al. **Radiol Clin North Am** 1984 Mar;22(1):45–66

SURGERY

Cupulolithiasis and posterior ampullary nerve transection. Gacek RR. **Ann Otol Rhinol Laryngol [Suppl]** 1984 Jul–Aug;112:25–30

Middle fossa vestibular neurectomy: an update. Glasscock ME 3d, et al. **Otolaryngol Head Neck Surg** 1984 Apr; 92(2):216–20

Retrolabyrinthine section of the vestibular nerve. House JW, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):212–5

Retrolabyrinthine vestibular nerve section: a viable alternative to the middle fossa approach. McElveen JT Jr, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):136–40

Analysis of surgical procedures in patients with vertigo. Silverstein H, et al. **Otolaryngol Head Neck Surg** 1984 Apr; 92(2):225–8

[Vestibular neurotomy by the posterior retrosinus approach. Technics, results and indications] Brémond G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(2):103–7 (Eng. Abstr.) **(Fre)**

[Relearning and critical postoperative period in the restoration of nerve function. Example of vestibular compensation and clinical implications] Lacour M. **Ann Otolaryngol Chir Cervicofac** 1984;101(3):177–87 (Eng. Abstr.) **(Fre)**

[Results of transtemporal vestibular neurectomy in the treatment of Ménière's disease] Schwerdtfeger P, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul;62(7):306–11 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Observations on the ultrastructure of the axon hillock and initial axon segments of vestibular ganglion cells in the cat. Spassova I. **J Hirnforsch** 1984;25(2):141–52

VESTIBULAR NUCLEI

ANATOMY & HISTOLOGY

Internuclear fiber connections of vestibular nuclear complex. A horseradish peroxidase study. Ito J, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:251–5

Selective retrograde labeling of neurons of the cat vestibular ganglion with [3H]D-aspartate. Dememes D, et al. **Brain Res** 1984 Jun 18;304(1):188–91

Increased projection of ascending dorsal root fibers to vestibular nuclei after hemilabyrinthectomy in the frog. Dieringer N, et al. **Exp Brain Res** 1984;55(3):574–8

Some afferent and efferent connections of the vestibular nuclear complex in the red-eared turtle Pseudemys scripta elegans. Bangma GC, et al. **J Comp Neurol** 1983 Nov 10; 220(4):453–64

The vestibular nuclei in the macaque monkey. Brodal A. **J Comp Neurol** 1984 Aug 1;227(2):252–66

Central projections of vestibular afferents from the horizontal semicircular canal in the carpet shark Cephaloscyllium isabella. Housley GD, et al. **J Comp Neurol** 1983 Dec 1; 221(2):154–62

CYTOLOGY

The effect of GABA on the terminations of vestibulospinal neurons in the cat spinal cord. Curtis DR, et al. **Brain Res** 1984 Mar 19;295(2):372–5

Morphology of posterior canal related secondary vestibular neurons in rabbit and cat. Graf W, et al. **Exp Brain Res** 1983;52(1):125–38

ENZYMOLOGY

Immunocytochemical localization of glutamic acid decarboxylase in the dorsal lateral vestibular nucleus: evidence for an intrinsic and extrinsic GABAergic innervation. Houser CR, et al. **Neurosci Lett** 1984 Jun 29; 47(3):213–20

METABOLISM

Increased binding of GABA to its post-synaptic carrier sites on the plasma membrane of Deiters' neurons after a learning experiment in rats. Hydén H, et al. **Brain Res** 1984 Feb 27;294(1):37–45

Inhibition by sodium valproate of the transport of GABA through the Deiters' neurone plasma membrane. Hyden H, et al. **Neuropharmacology** 1984 Mar;23(3):319–21

PHYSIOLOGY

Eye movements during active head turning with different vestibular and cervical input. Doerr M, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):14–20

Vestibular nuclear neuron activity in chronically hemilabyrinthectomized cats. Ried S, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug;98(1–2):1–13

The effect of tilt on the response of vestibular nucleus neurones to horizontal angular acceleration in the rat. Harris LR. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:149–53

Vestibular compensation. An overview. Igarashi M. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:78–82 (14 ref.)

Bechterew's phenomenon in humans. A new explanation. Katsarkas A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 406:95–100

Excitatory and inhibitory influences on the spinal cord during vestibular and neck reflexes. Pompeiano O. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:5–9 (23 ref.)

Circling behavior depending on striopallidal and vestibular functions. Shima F. **Adv Neurol** 1984;40:47–54

Second-order neural responses after contralateral vestibular nerve sectioning. Babin RW, et al. **Am J Otolaryngol** 1983 Mar–Apr;4(2):101–6

The fasciculus longitudinalis medialis in the lizard Varanus exanthematicus. 1. Interstitiospinal, reticulospinal and vestibulospinal components. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1984;169(2):177–84

Influence of stimulation of auditory and somatosensory systems on the activity of vestibular nuclear neurons in the frog. Bricout-Berthout A, et al. **Brain Behav Evol** 1984; 24(1):21–34

Electrophysiological analysis of cerebellar corticovestibular and fastigiovestibular projections to the lateral vestibular nucleus in the cat. Akaike T. **Brain Res** 1983 Aug 8; 272(2):223–35

Spatial and temporal response properties of secondary neurons that receive convergent input in vestibular nuclei of alert cats. Baker J, et al. **Brain Res** 1984 Feb 27; 294(1):138–43

Optimal response planes and canal convergence in secondary neurons in vestibular nuclei of alert cats. Baker J, et al. **Brain Res** 1984 Feb 27;294(1):133–7

Horizontal and vertical vestibulo-ocular and cervico-ocular reflexes in the monkey during high frequency rotation. Böhmer A, et al. **Brain Res** 1983 Oct 31;277(2):241–8

Chlorpromazine methiodide acts at the vestibular nuclear complex to induce barrel rotation in the rat. Burke RE, et al. **Brain Res** 1983 Dec 12;288(1–2):273–81

Afferent and efferent connections of the medial, inferior and lateral vestibular nuclei in the cat and monkey. Carleton SC, et al. **Brain Res** 1983 Nov 14;278(1–2):29–51

A study of some of the ascending and descending vestibular pathways in the pigeon (Columba livia) using anterograde transneuronal autoradiography. Correia MJ, et al. **Brain Res** 1983 Nov 14;278(1–2):53–61

Vestibular afferent inputs to lobules I and II of the cerebellar anterior lobe vermis in the cat. Hirai N. **Brain Res** 1983 Oct 24;277(1):145–9

Responses of prepositus hypoglossi neurons to optokinetic and vestibular stimulations in the rat. Lannou J, et al. **Brain Res** 1984 May 28;301(1):39–45

Postnatal development of pretectal and NRTP neuron responses to optokinetic stimulation in the rat. Reber-Pelle A. **Brain Res** 1984 Jan;314(1):111-20
Neuronal pathway from flocculur caudal zone contributing to vertical eye movements in cats--role of group y nucleus of vestibular nuclei. Sato Y, et al. **Brain Res** 1984 Mar 5;294(2):375-80
Input from proprioceptors in the extrinsic ocular muscles to the vestibular nuclei in the giant toad, bufo marinus. Ashton JA, et al. **Exp Brain Res** 1984;53(2):409-19
Purkinje cell activity in the primate flocculus during optokinetic stimulation, smooth pursuit eye movements and VOR-suppression. Büttner U, et al. **Exp Brain Res** 1984; 55(1):97-104
An electrophysiological study of pathways mediating optokinetic responses to the vestibular nucleus in the rat. Cazin L, et al. **Exp Brain Res** 1984;54(2):337-48
Effects of accessory optic system lesions on vestibulo-ocular and optokinetic reflexes in the cat. Clément G, et al. **Exp Brain Res** 1984;55(1):49-59
Alterations in response properties in the lateral and dorsal terminal nuclei of the cat accessory optic system following visual cortex lesions. Grasse KL, et al. **Exp Brain Res** 1984; 55(1):69-80
The sleep-wake transition in the oculomotor system. Henn V, et al. **Exp Brain Res** 1984;54(1):166-76
Visual modulation of neuronal activity within the rat vestibular nuclei. Horn KM, et al. **Exp Brain Res** 1983; 52(2):311-3
Role of the flocculus and paraflocculus in optokinetic nystagmus and visual-vestibular interactions: effects of lesions. Waespe W, et al. **Exp Brain Res** 1983;50(1):9-33
Responses to corneal stimulation in vestibulospinal units of nucleus Deiters. Mackert A, et al. **Exp Neurol** 1984 Jan; 83(1):24-32
A reevaluation of intervestibular nuclear coupling: its role in vestibular compensation. Galiana HL, et al. **J Neurophysiol** 1984 Feb;51(2):242-59
Central compensation of vestibular deficits. II. Influences of roll tilt on different-size lateral vestibular neurons after ipsilateral labyrinth deafferentation. Pompeiano O, et al. **J Neurophysiol** 1984 Jul;52(1):18-38
Responses to head tilt in cat central vestibular neurons. I. Direction of maximum sensitivity. Schor RH, et al. **J Neurophysiol** 1984 Jan;51(1):136-46
Direct projections from vestibular nuclei to facial nucleus in cats. Shaw MD, et al. **J Neurophysiol** 1983 Dec; 50(6):1265-80
Signals in vestibular nucleus mediating vertical eye movements in the monkey. Tomlinson RD, et al. **J Neurophysiol** 1984 Jun;51(6):1171-36
Time and intensity cues are processed independently in the auditory system of the owl. Takahashi T, et al. **J Neurosci** 1984 Jul;4(7):1781-6
Vestibulo-ocular reflex, optokinetic response and their interactions in the cerebellectomized cat. Godaux E, et al. **J Physiol (Lond)** 1984 Jan;346:155-70
Physiology of visuo-vestibular interactions: discussion paper. Barnes GR. **J R Soc Med** 1983 Sep;76(9):747-54
Effects of diphenhydramine iontophoretically applied onto neurons in the medial and lateral vestibular nuclei. Takatani T, et al. **Jpn J Pharmacol** 1983 Jun;33(3):557-61
Olivo-vestibular and cerebello-vestibular connections in albino rabbits. Balaban CD. **Neuroscience** 1984 May; 12(1):129-49
[Effect of the vestibular nuclei of the medulla oblongata on the serotoninergic system function of the brain and small intestine in the rat] Tropnikova GK. **Fiziol Zh SSSR** 1984 Mar;70(3):284-90 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Changes in the human vestibulo-ocular reflex after loss of peripheral sensitivity. Baloh RW, et al. **Ann Neurol** 1984 Aug;16(2):222-8
Looking with a paralysed eye: adaptive plasticity of the vestibulo-ocular reflex. Estañol B, et al. **J Neurol Neurosurg Psychiatry** 1984 Aug;47(8):799-805
Caloric stimulation-induced augmentation of H-reflexes in normal subjects, but not in spinal cord-injured patients. Raffensperger M, et al. **Neurosurgery** 1984 May;14(5):562-6

VESTIBULOPLASTY

ADVERSE EFFECTS

Complications associated with skin graft vestibuloplasty. Experiences with 100 cases. Samit A, et al. **Oral Surg** 1983 Dec;56(6):586-92

METHODS

Autogenous dermal graft coverage of submerged roots in the dog. Lambert PM, et al. **J Oral Maxillofac Surg** 1984 Sep;42(9):595-9
Mandibular vestibuloplasty with full-thickness skin graft of the prepuce. Perino KE, et al. **J Oral Maxillofac Surg** 1983 Oct;41(10):664-6
[A plea against the Edlan-Mejchar method of surgical vestibular deepening] Reychler H. **Acta Stomatol Belg** 1983 Dec;80(4):299-304 **(Fre)**
[Vestibuloplasty of the maxilla with palatal split mucous membrane transplants. Technic and results] Hardt N, et al. **Dtsch Zahnarztl Z** 1983 Aug;38(8):785-9 (Eng. Abstr.) **(Ger)**
[Biological aspects of different mucogingival surgical procedures and clinical consequences] Lange DE. **Dtsch Zahnarztl Z** 1983 Sep;38(9):847-54 (52 ref.) **(Ger)**
[Horseshoe sandwich osteotomy of the edentulous maxilla with simultaneous submucosal vestibuloplasty. A method for the advancement and deepening of the edentulous maxillary alveolar process with simultaneous elevation of the palatal arch] Obwegeser HL, et al. **Schweiz Monatsschr Zahnmed** 1984 May;94(5):390-8 (Eng. Abstr.) **(Ger)**
[Long-term experiences with autologous mucosal transplants in vestibuloplasty on the maxilla] Hardt N, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Dec; 93(12):1129-35 (Eng. Abstr.) **(Ger)**
[Plastic repair in the case of a shallow vestibulum oris in the combined treatment of focal periodontal lesions] Kruchinskiĭ GV, et al. **Stomatologiia (Mosk)** 1984 Jul-Aug; 63(4):44-5 (Eng. Abstr.) **(Rus)**
[Variants in attaching the gingiva to the alveolar process of the jaw in children] Udovitskaia EV, et al. **Stomatologiia (Mosk)** 1984 May-Jun;63(3):75-7 (Eng. Abstr.) **(Rus)**

VETERANS

Polypsychopharmacy in Puerto Rican veterans outpatients. Holt RJ, et al. **Bol Asoc Med PR** 1984 Apr;76(4):151-6
2,3,7,8-Tetrachlorodibenzo-p-dioxin levels in adipose tissue of Vietnam veterans. Gross ML, et al. **Environ Res** 1984 Feb;33(1):261-8
Aging veterans: will they overwhelm the VA medical care system? Horgan C, et al. **Health Aff (Millwood)** 1983 Fall; 2(3):77-86
A demographic study of spinal cord injured veterans. Stripling T, et al. **J Am Paraplegia Soc** 1983 Jul;6(3):62-6
The impact of combat on later alcohol use by Vietnam veterans. Helzer JE. **J Psychoactive Drugs** 1984 Apr-Jun; 16(2):183-91
Vietnam and birth defects [editorial] Dan BB. **JAMA** 1984 Aug 17;252(7):936-7
Vietnam veterans' risks for fathering babies with birth defects. Erickson JD, et al. **JAMA** 1984 Aug 17; 252(7):903-12
Birth defects and Vietnam service [editorial] Armstrong BK, et al. **Med J Aust** 1984 Mar 31;140(7):388-9
Vietnam service and the risk of congenital anomalies. A case-control study. Donovan JW, et al. **Med J Aust** 1984 Mar 31;140(7):394-7
Confidentiality of medical reports on veterans [letter] Kehoe MM. **Med J Aust** 1983 Nov 12;2(10):480-1
The prevalence of alcoholism in a Veterans Administration medical center. Remer SG. **Milit Med** 1983 Sep; 148(9):735-9
Vietnam veterans' risks for fathering babies with birth defects. **MMWR** 1984 Aug 17;33(32):457-9
Agent Orange: veterans' case come to court [news] David P. **Nature** 1984 May 3-9;309(5963):5
VA to study twins [news] Holden C. **Science** 1984 Mar 16; 223(4641):1157
OTA member critical of NRC cancer study [news] Holden C. **Science** 1984 Jan 6;223(4631):34-5

PSYCHOLOGY

Correlates of self-reported and objectively determined exposure to Agent Orange. Korgeski GP, et al. **Am J Psychiatry** 1983 Nov;140(11):1443-9
Posttraumatic stress disorder. Emerging from the rhetoric. Van Putten T, et al. **Arch Gen Psychiatry** 1984 Apr; 41(4):411-3
Some problems associated with war experience in men of the Vietnam generation. Yager T, et al. **Arch Gen Psychiatry** 1984 Apr;41(4):327-33
Serial personality evaluations of repatriated U.S. Air Force Southeast Asia POWs. Wheatley RD, et al. **Aviat Space Environ Med** 1982 Mar;53(3):251-7
The reliving experience in Vietnam veterans with posttraumatic stress disorder. Hendin H, et al. **Compr Psychiatry** 1984 Mar-Apr;25(2):165-73
The psychological effects of ionizing radiation. Vyner HM. **Cult Med Psychiatry** 1983 Sep;7(3):241-61
An assessment of the treatment needs of Vietnam-era veterans. Blum MD, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):691-6
Blacks in Vietnam [letter] Carter JH. **Hosp Community Psychiatry** 1983 Oct;34(10):968
VA services [letter] Eilers R. **Hosp Community Psychiatry** 1983 Dec;34(12):1163-4
Factitious posttraumatic stress disorder: the veteran who never got to Vietnam. Lynn EJ, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):697-701
Factor-analytic support for DSM-III's post-traumatic stress disorder for Vietnam veterans. Silver SM, et al. **J Clin Psychol** 1984 Jan;40(1):5-14
Etiology of posttraumatic stress disorder in Vietnam veterans: analysis of premilitary, military, and combat exposure influences. Foy DW, et al. **J Consult Clin Psychol** 1984 Feb;52(1):79-87
Validation of a multimethod assessment of posttraumatic stress disorders in Vietnam veterans. Malloy PF, et al. **J Consult Clin Psychol** 1983 Aug;51(4):488-94
War stress and trauma: the Vietnam veteran experience. Laufer RS, et al. **J Health Soc Behav** 1984 Mar;25(1):65-85
Factor structure and discriminant validity of the SCL-90 in a veteran psychiatric population. Clark A, et al. **J Pers Assess** 1983 Aug;47(4):396-404
Comment on Roy's 'Alcohol misuse and posttraumatic stress disorder (delayed): an alternative interpretation of the data'. Lacoursiere RB, et al. **J Stud Alcohol** 1984 May;45(3):283-4
Correspondence of clinicians' judgments with the Michigan Alcoholism Screening Test in determining alcoholism in Veterans Administration outpatients. Magruder-Habib K, et al. **J Stud Alcohol** 1983 Sep;44(5):872-84
Alcohol misuse and posttraumatic stress disorder: a response to Lacoursiere and Coyne. Roy RE. **J Stud Alcohol** 1984 May;45(3):285-7
Chronic post-traumatic stress disorders among active duty Vietnam veterans: case reports. Kleiger JH. **Milit Med** 1984 Mar;149(3):159-61
For the Viet Nam veteran the war goes on. Keltner NL, et al. **Perspect Psychiatr Care** 1983 Jul-Sep;21(3):108-13
A psychophysiological study of post traumatic stress disorder in Vietnam veterans. Blanchard EB, et al. **Psychiatr Q** 1982 Winter;54(4):220-9
Public health legacy of the Vietnam War: post-traumatic stress disorder and implications for Appalachians. Sumrok D, et al. **W Va Med J** 1983 Sep;79(9):191-8
[Post-traumatic stress disorders in veterans of the Vietnam War] García-Palmieri R. **Bol Asoc Med PR** 1984 Jun; 76(6):252-5 (Eng. Abstr.) **(Spa)**

VETERANS ADMINISTRATION (U.S.) see **UNITED STATES VETERANS ADMINISTRATION**

VETERANS DISABILITY CLAIMS

see related
DISABILITY EVALUATION

Diagnosis of posttraumatic stress disorder in Viet Nam veterans: preliminary findings. Atkinson RM, et al. **Am J Psychiatry** 1984 May;141(5):694-6
Myeloma and atomic veterans [letter] **Science** 1983 Oct 14; 222(4620):118-20

VETERANS HOSPITALS see **HOSPITALS, VETERANS**

VETERINARY MEDICINE

see related
ANIMAL DISEASES

Research needs and priorities for ruminant internal parasites in the United States. **Am J Vet Res** 1983 Oct;44(10):1836-47 (60 ref.)
Proposal for the abbreviations of some commonly used NAV technical terms. Fehér G. **Anat Histol Embryol** 1983 Dec; 12(4):371-4
The contribution of veterinary toxicology to environmental health. Egyed MN, et al. **Arch Toxicol [Suppl]** 1983;6:271-4
Animal welfare and the Australian veterinarian. Smith JB. **Aust Vet J** 1983 Oct;60(10):299-302
Mortality among British veterinary surgeons. Kinlen LJ. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1017-9
Miscellany. **Br Vet J** 1983 Nov-Dec;139(6):560-2
A comparison of disease in calves. I. A method of disease recording and its use under different systems of feeding. Andrews AH, et al. **Br Vet J** 1983 Sep-Oct;139(5):423-30
A comparison of disease in calves. II. Effect of different management and feeding systems on one farm. Andrews AH, et al. **Br Vet J** 1983 Sep-Oct;139(5):431-9
The selection process for veterinary books in the general medical school library. Roy DE. **Bull Med Libr Assoc** 1984 Jul;72(3):314-5
Anesthetic waste gases in veterinary medicine: analysis of the problem and suggested guidelines for reducing personnel exposures. Short CE, et al. **Cornell Vet** 1983 Oct; 73(4):363-74
Ethical problems for veterinary surgeons at equestrian events. Gerber H. **Equine Vet J** 1984 Jan;16(1):25-7
Automobile accidents in Illinois veterinarians. Martin RJ, et al. **Int J Zoonoses** 1983 Dec;10(2):138-45
Role of veterinary public health in the environmental pollution in Nigeria. Nawathe DR, et al. **Int J Zoonoses** 1983 Dec;10(2):159-63
Veterinary health care market for dogs. **J Am Vet Med Assoc** 1984 Jan 15;184(2):207-8
Academy of Surgical Research [letter] Butterfield AB. **J Am Vet Med Assoc** 1983 Aug 15;183(4):410
The legal significance of communicating. Hannah HW. **J Am Vet Med Assoc** 1984 Mar 1;184(5):536
The Uniform Commercial Code, health certificates, and livestock sales. Hannah HW. **J Am Vet Med Assoc** 1984 Apr 1;184(7):790
Burnout. Koski WS. **J Am Vet Med Assoc** 1983 Oct 1; 183(7):756-8
Monitoring oxygen concentrating devices [letter] Steffey EP, et al. **J Am Vet Med Assoc** 1984 Mar 15;184(6):626, 638
Personal computer word processing for veterinary article writing: personal computers and printers. Stogdale L. **J Am Vet Med Assoc** 1984 Aug 15;185(4):400-4
Abstracts: annual meetings of the American Society of Animal Science. **J Anim Sci** 1984;59 Suppl 1:1-526
Calving date versus calving interval as a reproductive measure in beef cattle. Bourdon RM, et al. **J Anim Sci**

1983 Dec;57(6):1412–7
Partnership prophylaxis. Adams JW. **J S Afr Vet Assoc** 1983 Mar;54(1):17–9
Physico-chemical and formulation-induced veterinary drug-product bioinequivalencies. Pope DG. **J Vet Pharmacol Ther** 1984 Jun;7(2):85–112 (345 ref.)
Leads from the MMWR. Plague pneumonia—California. **JAMA** 1984 Sep 21;252(11):1399–400
Plague pneumonia—California. **MMWR** 1984 Aug 31; 33(34):481–3
Setting up a group practice. **Mod Vet Pract** 1984 Jan; 65(1):42–6
The useless DVM. Antelyes J. **Mod Vet Pract** 1982 May; 63(5):426–30
Listening as fun: technics. Antelyes J. **Mod Vet Pract** 1982 Sep;63(9):755–8
Veterinary medicine's 1 enemy: DVMs? Antelyes J. **Mod Vet Pract** 1984 Mar;65(3):233–5
Putting a spouse on the payroll can save taxes. Block J. **Mod Vet Pract** 1982 May;63(5):366, 368
Another increase in social security taxes. Block J. **Mod Vet Pract** 1984 Feb;65(2):144–5
Audit odds. Block J. **Mod Vet Pract** 1982 Sep;63(9):753–4
Confessions of a hardened herpetologist. Frye FL. **Mod Vet Pract** 1984 Mar;65(3):187–9
Maternity leave, and how to handle it. Hostetler PK. **Mod Vet Pract** 1984 Apr;65(4):315–6
New grads. Johnston BA. **Mod Vet Pract** 1982 Sep; 63(9):696–9
The problem with emergency clinics. Wolff A. **Mod Vet Pract** 1982 May;63(5):355, 358
Assessment of the economic value of orthopedic surgery in thoroughbred racehorses. Speirs VC. **Vet Clin North Am [Large Anim Pract]** 1983 Jul; 5(2):391–401
Preoperative considerations. Turner AS. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):213–9
Symposium on practice management. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):659–809
Hospitalization of the avian patient. Harrison GJ. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):147–64
New aspects of avian surgery. Harrison GJ. **Vet Clin North Am [Small Anim Pract]** 1984 Mar; 14(2):363–80
Marketing veterinary medicine. Mahan HD. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):737–44
The problem-oriented medical system. Improved knowledge, wisdom, and understanding of patient care. Osborne CA. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):745–90
Computers in veterinary practice management. Taylor DH. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):675–84
VAMPP: a veterinary automated management and production control programme for dairy farms (the application of MUMPS for data processing). Noordhuizen JP, et al. **Vet Q** 1984 Apr;6(2):66–72
Job prospects good for veterinary graduates: results of employment survey. **Vet Rec** 1983 Aug 20;113(8):172–3
A common code of practice for the control of contagious equine metritis and other equine reproductive diseases for the 1984 covering season in France, Ireland and the United Kingdom. **Vet Rec** 1983 Nov 26;113(22):512–5
Small animal practice: helping the profession to help itself. Bedford P. **Vet Rec** 1984 Apr 7;114(14):332–3
POM products and farmers [letter] Bostelmann RW. **Vet Rec** 1984 Feb 18;114(7):174–5
Veterinarians as ATB livestock trainers. Gleave P. **Vet Rec** 1984 May 12;114(19):465
BVA and the Third World [letter] Guilbride PD. **Vet Rec** 1984 Apr 7;114(14):363
An employee's ill health. Hadley J. **Vet Rec** 1983 Oct 15; 113(16):360
Distribution of animal health products by veterinary practices. Hopwood D. **Vet Rec** 1984 May 12;114(19):464–5
Use of COSREEL clinical codes in large animal veterinary practice. Rowlands GJ, et al. **Vet Rec** 1983 Oct 8; 113(15):336–9
The need for nurses. Turner T. **Vet Rec** 1984 Mar 10; 114(10):233
Proceedings of an International Conference on Veterinary Pharmacology, Toxicology and Therapeutics. Cambridge, Great Britain, 28 July to 1 August 1980. **Vet Res Commun** 1983 Dec;7(1–4):1–439
Problems concerned with the development of new drugs for the livestock industry. Brander GC. **Vet Res Commun** 1983 Dec;7(1–4):391–7
Some aspects of the teratogenicity of veterinary drugs. Delatour P. **Vet Res Commun** 1983 Dec;7(1–4):125–31
The veterinary problems of pesticide monitoring and analysis. Juszkiewicz T. **Vet Res Commun** 1983 Dec;7(1–4):113–8
The Swann report in the 1980s. Lloyd-Evans LP. **Vet Res Commun** 1983 Dec;7(1–4):101–5
Legislation on veterinary drugs in France – its practical implementation, prospect for the future. Lobry M. **Vet Res Commun** 1983 Dec;7(1–4):385–90
Current techniques and recent advances in veterinary drug analysis with special reference to anthelmintics and tranquilizers. Milhaud G, et al. **Vet Res Commun** 1983 Dec; 7(1–4):107–12
Nonsteroidal anti-inflammatory agents: species differences in pharmacodynamics. Ruckebusch Y, et al. **Vet Res Commun** 1983 Dec;7(1–4):359–68 (30 ref.)
Monitoring of adverse reactions and interactions involving veterinary drugs in the U.S.A. Teske RH. **Vet Res Commun** 1983 Dec;7(1–4):215–20
[Female veterinary surgeons: a follow up study] Nicol J. **J S Afr Vet Assoc** 1983 Mar;54(1):3–10 (Eng. Abstr.) (Afr)
[The laws and categories of epizootiology] Bakulov IA. **Vet Med Nauki** 1984;21(2):101–7 (Bul)
[Toward higher quality and more intensity in research activities] Bratanov K. **Vet Med Nauki** 1983;20(10):3–6 (Bul)
[The role of the practicing veterinarian in the integrated monitoring of the meat production chain] Brand A, et al. **Tijdschr Diergeneeskd** 1984 Apr 1;109(7):278–82 (Eng. Abstr.) (Dut)
[The pharmacy in small animal practice] Goedhart PJ. **Tijdschr Diergeneeskd** 1984 Jan 1;109(1):20–4 (Eng. Abstr.) (Dut)
[The role of the practicing veterinarian with regard to the central theme: drugs in veterinary practice] Hennis C. **Tijdschr Diergeneeskd** 1984 Feb 1;109(3):76–80 (Eng. Abstr.) (Dut)
[Establishment and development of the Code for Veterinarians in the Netherlands] Moons MA. **Tijdschr Diergeneeskd** 1983 Oct 1;108(19):766–72 (Eng. Abstr.) (Dut)
[The farm calendar, an aid in veterinary-zootechnical production and health policy of dairy farms] Noordhuizen JP, et al. **Tijdschr Diergeneeskd** 1983 Dec 1;108(23):895–903 (Eng. Abstr.) (Dut)
[Academic practitioner: to be or not to be (letter)] Osborne CA. **Tijdschr Diergeneeskd** 1983 Nov 15;108(22):875–6 (Dut)
[Treatment methods: traditional and alternative] Rijnberk A. **Tijdschr Diergeneeskd** 1984 Jan 1;109(1):25–34 (Eng. Abstr.) (Dut)
[Professional responsibility: multiple loyalty] Terborgh-Dupuis H. **Tijdschr Diergeneeskd** 1983 Oct 1; 108(19):773–6 (Eng. Abstr.) (Dut)
[Malpractice liability of veterinarians. A review of recent Supreme Court decisions] Fellmer E. **Berl Munch Tierarztl Wochenschr** 1984 May 1;97(5):153–5 (Eng. Abstr.) (Ger)
[Drug legislation: preventive measures for man, animals and the environment] Schulze H. **Berl Munch Tierarztl Wochenschr** 1983 Aug 1;96(8):253–61 (Eng. Abstr.) (Ger)
[Problems and conditions affecting the development of veterinary service in Somalia. The Kismayo veterinary laboratory as an example of Somali-German cooperation] Zschekel W. **Berl Munch Tierarztl Wochenschr** 1984 Apr 1;97(4):140–5 (Eng. Abstr.) (Ger)
[Technical performance of embryo transfer service programs of the Neustadt Insemination Association] Görlach A, et al. **DTW** 1983 Oct 6;90(10):425–7 (Eng. Abstr.) (Ger)
[Chiron. A further collection and interpretation of testimonies] Hausmann W. **DTW** 1984 Jan 9;91(1):24–6 (Eng. Abstr.) (Ger)
[Critical remarks on trimethoprim/sulfonamide combinations in veterinary medicine] Löscher W. **DTW** 1984 Apr 9; 91(4):135–9 (Eng. Abstr.) (Ger)
[Distribution of Coxiella burnetti: a seroepidemiological study of domestic animals and veterinarians] Metzler AE, et al. **Schweiz Arch Tierheilkd** 1983 Sep;125(9):507–17 (Eng. Abstr.) (Ger)
[Veterinary dispensary law and legal regulations for narcotics] Gessler M. **Tierarztl Prax** 1983;11(3):281–6 (Ger)
[The veterinarian as expert] Köhler H. **Tierarztl Prax** 1983; 11(3):287–92 (Ger)
[The most important practical problems and basic needs of Polish veterinary dermatology] Pomorski Z. **Przegl Dermatol** 1983 Sep-Dec;70(5–6):569–74 (Pol)
[Soviet pharmacologists—active participants in the implementation of the USSR food program] Mozgov IE. **Farmakol Toksikol** 1983 Sep-Oct;46(5):5–10 (Rus)
[Animal health and primary health care] Moro M. **Educ Med Salud** 1983;17(3):263–74 (Eng. Abstr.) (Spa)

ECONOMICS

Economics for veterinary farm practice. Erb H. **In Pract** 1984 Mar;6(2):33–7
Collecting and distributing price and cost information. Hannah HW. **J Am Vet Med Assoc** 1984 Jun 1;184(11):1342
Economic benefits derived from animal health care expenditures. Kliebenstein JB, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):449–50
Veterinary health care market for cats. Wise JK. **J Am Vet Med Assoc** 1984 Feb 15;184(4):481–2
Veterinary health care market for horses. Wise JK. **J Am Vet Med Assoc** 1984 Apr 15;184(8):993–4
Gross practice income attributable to type of animal. Wise JK. **J Am Vet Med Assoc** 1983 Aug 15;183(4):468
Financial awareness for veterinary practitioners. Adams JW. **J S Afr Vet Assoc** 1983 Dec;54(4):219–22
Goodwill—fact or fiction. Adams JW. **J S Afr Vet Assoc** 1983 Mar;54(1):11–3
The continuing threat of tax-exempt competition. Berger AF, et al. **Mod Vet Pract** 1982 May;63(5):421–2
Deferred compensation plans for the professional corporation. Gerson MS. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):685–96
Selecting your accountant—an important decision. Gibbs CA. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):697–9
Tax shelters. Haskins JF Jr. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):701–9
Establishing fees. Lippincott CL. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):723–35
Pet health insurance. Swiecki TL. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):711–21
Sales of veterinary medicines. Gripper J. **Vet Rec** 1982 Jan 30;110(5):95
[Veterinary medical science with reference to the new economic approach and its mechanism] Iliev I. **Vet Med Nauki** 1983;20(8):3–7 (Bul)

HISTORY

The origin and early history of the Mules operation. Beveridge WI. **Aust Vet J** 1984 May;61(5):161–3
International (World) Veterinary Congress. Francis J. **Aust Vet J** 1983 Aug;60(8):249–50
Petition for a Federal Veterinary Sanitary Bureau. Miller EB. **J Am Vet Med Assoc** 1984 May 15;184(10):1224–5
Contributions of the Bureau of Animal Industry to the veterinary profession. Stalheim OH. **J Am Vet Med Assoc** 1984 May 15;184(10):1222–4
The conquest of tuberculosis. A contribution of American veterinary medicine to human welfare. Faler K. **Mod Vet Pract** 1984 Jan;65(1):51–3
The Royal Counties Veterinary Association 1883–1983. Duncan A. **Vet Rec** 1983 Dec 10;113(24):552–3
Veterinary drugs: the beginnings of legislative control in the U.K. Penn RG. **Vet Res Commun** 1983 Dec;7(1–4):377–81
[Animal experiment control—an historical study of the animal experiments of G.F. Fordyce] Heinecke H. **Z Versuchstierkd** 1983;25(4):223–6 (Eng. Abstr.) (Ger)
[History of the control of tuberculosis in farm animals] Goregliad KhS, et al. **Probl Tuberk** 1983 Nov;(11):71–3 (Rus)

INSTRUMENTATION

A computer based system for collection, storage, retrieval and reporting accession information in a veterinary medical diagnostic laboratory. Wagner JE, et al. **Comput Biol Med** 1984;14(3):325–44
Large animal surgery table designed to match the needs of modern surgery. Cady JW. **Mod Vet Pract** 1982 Sep; 63(9):751–2
[Modifications to a closed circle anesthetic machine for use with dogs and cats having a body mass of less than 10 kg] Stegmann GF. **J S Afr Vet Assoc** 1983 Jun;54(2):127–8 (Eng. Abstr.) (Afr)

MANPOWER

Too many veterinarians for what? Schwabe CW. **Mod Vet Pract** 1984 Mar;65(3):171–4
Animal technicians. Childers HE. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):661–73 (15 ref.)
Effect on the veterinary profession of the increasing numbers of women graduates. Wells BT. **Vet Rec** 1984 May 19; 114(20):488–90
[Labor expenditure from the viewpoint of work standardization and planning for veterinary specialists in meat-packing combines] Iliev I, et al. **Vet Med Nauki** 1983; 20(9):106–12 (Eng. Abstr.) (Bul)
[Role of veterinary medical personnel in managing the quality of agricultural production] Tsanov Ts. **Vet Med Nauki** 1984;21(3):104–13 (Eng. Abstr.) (Bul)

METHODS

Surgery of the hock, stifle, and shoulder. McIlwraith CW. **Vet Clin North Am [Large Anim Pract]** 1983 Jul;5(2):333–62 (34 ref.)
Principles of gastrointestinal surgery. Henderson RA, et al. **Vet Clin North Am [Small Anim Pract]** 1983 Aug; 13(3):485–502
[Udder health care as part of a veterinary care program for dairy farms. II. Methodology during the control phase] Noordhuizen JP. **Tijdschr Diergeneeskd** 1983 Aug 15; 108(15–16):592–600 (Eng. Abstr.) (Dut)
[Udder health care as part of a veterinary care program for dairy farms. III. Evaluation and analysis] Noordhuizen JP. **Tijdschr Diergeneeskd** 1983 Aug 15;108(15–16):601–7 (Eng. Abstr.) (Dut)
[Udder health care as part of a veterinary care program for dairy farms. I. Objectives and materials and methodology in the introductory phase] Noordhuizen JP. **Tijdschr Diergeneeskd** 1983 Aug 15;108(15–16):587–92 (Eng. Abstr.) (Dut)

STANDARDS

The right to use nonstandard materials or methods. Hannah

HW. **J Am Vet Med Assoc** 1984 Jan 1;184(1):29
Comparative negligence and the veterinarian. Hannah HW. **J Am Vet Med Assoc** 1984 Feb 1;184(3):259
Ethics involved in concealment of genetic defects. Amstutz HE. **Mod Vet Pract** 1982 May;63(5):417–9
RCVS Disciplinary Committee [letter] Cronin PM. **Vet Rec** 1983 Oct 15;113(16):381–2
Towards a philosophy of veterinary medicine. Fox MW. **Vet Rec** 1984 Jul 7;115(1):12–3
Collecting debts. Hadley J. **Vet Rec** 1983 Sep 17;113(12):277
The philosophy of a code of ethics. Porter AR. **Vet Rec** 1984 Jan 28;114(4):91–2
[Drug residues: consequences for stock owners] Meijer GA. **Tijdschr Diergeneeskd** 1984 Feb 1;109(3):90–3 (Eng. Abstr.) (Dut)
[Veterinary production and health policy on dairy farms: a model for the analysis of fluctuations in the Herd Standard Cow] Noordhuizen JP, et al. **Tijdschr Diergeneeskd** 1983 Dec 15;108(24):941–53 (Eng. Abstr.) (Dut)
[Veterinary medicine—the art of veterinary practice] Verwer MA. **Tijdschr Diergeneeskd** 1983 Dec 15;108(24):964–9 (Eng. Abstr.) (Dut)

TRENDS

Group practice—trend for the future. Furumoto HH. **Vet Clin North Am [Small Anim Pract]** 1983 Nov; 13(4):791–809
[Current trends in research and implementation activity in the field of veterinary medicine] Belev N. **Vet Med Nauki** 1983;20(10):7–12 (Bul)
[Problems and prospects of veterinary virology] Kharalambiev KhE, et al. **Vet Med Nauki** 1983; 20(10):23–31 (Bul)
[Development of the production of veterinary medicine preparations and nutrient agents in capitalist and socialist countries] Mikhallova N, et al. **Vet Med Nauki** 1983; 20(3–4):120–4 (Bul)
[Prospects for the development and dissemination of invention and innovation in the field of veterinary medicine] Stoianov A. **Vet Med Nauki** 1983;20(10):60–5 (Bul)
[The declining veterinarian. 2 (letter)] van den Born JM. **Tijdschr Diergeneeskd** 1984 Jun 15;109(12):521 (Dut)
[Veterinary homeopathy 1984 (letter)] Westerhuis AH. **Tijdschr Diergeneeskd** 1984 May 15;109(10):420–3 (Dut)

VETERINARY SERVICE, MILITARY

The canine ehrlichiosis (tropical canine pancytopenia) epizootic in Vietnam and its implications for the veterinary care of military working dogs. Kelch WJ. **Milit Med** 1984 Jun;149(6):327–31

VIBRATION

Study of the mechanism of vocal fold vibration during phonation. Meyer B, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):407–14
Frequency following response evoked by vibratory stimuli in profoundly deaf subjects. Ribarić K, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):467–71
Effect of vibration on the activity of the plasma kallikrein–kinin system in the rat. Gáti T, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):213–8
Electrovibration, cutaneous sensation of microampere current. Grimnes S. **Acta Physiol Scand** 1983 May; 118(1):19–25
Vibrotactile thresholds in mechanoreceptive afferents innervating the foot pad of the cat. The importance of stimulus frequency and duration. Hämäläinen H, et al. **Acta Physiol Scand** 1984 Mar;120(3):321–7
Vibratory stimulation for the alleviation of chronic pain. Lundeberg TC. **Acta Physiol Scand [Suppl]** 1983;523:1–51
Mechanisms of vibration–induced inhibition or potentiation: tonic vibration reflex and vibration paradox in man. Desmedt JE. **Adv Neurol** 1983;39:671–83
Mechanical vibration and sound levels experienced in neonatal transport. Campbell AN, et al. **Am J Dis Child** 1984 Oct;138(10):967–70
The effect of mechanical vibration and industrial noise on the behaviour of blood serum immunoglobulins and on the lymphocyte blastic transformation. Sroczyński J, et al. **Arch Immunol Ther Exp (Warsz)** 1983;31(4):497–504
Modification of human dental pain thresholds by conditioning vibrotactile stimulation at high frequency. Kemppainen P. **Arch Oral Biol** 1983;28(10):959–62
Fracture fixation by using vibration absorbers. Wosk J, et al. **Biomed Sci Instrum** 1984;20:101–8
Biological functions of low–frequency vibrations (phonons). III. Helical structures and microenvironment. Chou KC. **Biophys J** 1984 May;45(5):881–9
Use of a biothesiometer to measure individual vibration thresholds and their variation in 519 non–diabetic subjects. Bloom S, et al. **Br Med J [Clin Res]** 1984 Jun 16; 288(6433):1793–5
Regional differences and interindividual variability in sensitivity to vibration in the glabrous skin of the human hand. Löfvenberg J, et al. **Brain Res** 1984 May 28; 301(1):65–72
Hyperglycaemia is one correlate of deterioration in vibration sense during the 5 years after diagnosis of type 2 (non–insulin–dependent) diabetes. Hillson RM, et al. **Diabetologia** 1984 Feb;26(2):122–6
Blink reflex influenced by tonic vibration reflex (TVR) some observations upon the patients with neurological deficit. Ioku M, et al. **Electromyogr Clin Neurophysiol** 1983 Sep–Oct;23(6):513–22
Vibration–induced changes in movement–related EMG activity in humans. Capaday C, et al. **Exp Brain Res** 1983; 52(1):139–46
Sensory modality interdependence in the octaval system of an elasmobranch. Plassmann W. **Exp Brain Res** 1983; 50(2–3):283–92
Changes in fusimotor outflow during vibration–induced contraction of triceps surae muscles in decerebrate cats. Anastasijević R, et al. **Exp Neurol** 1984 Sep;85(3):523–32
Directional hearing in the grass frog (Rana temporaria L.): I. Mechanical vibrations of tympanic membrane. Vlaming MS, et al. **Hear Res** 1984 May;14(2):191–201
A fiber fizeau interferometer for measuring minute biological displacements. Drake AD, et al. **IEEE Trans Biomed Eng** 1984 Jul;31(7):507–11
A literature review of vibrational analysis of human limbs. Nokes LD, et al. **IEEE Trans Biomed Eng** 1984 Feb; 31(2):187–92 (38 ref.)
Comparison of five methods for measurement of vibratory perception. Sallé HJ, et al. **Int Arch Occup Environ Health** 1984;53(4):303–9
Vibrotactile forward masking: evidence for channel independence. Gescheider GA, et al. **J Acoust Soc Am** 1983 Aug;74(2):474–85
Histological evaluation of damage in cat cochleas used for measurement of basilar membrane mechanics. Leonard DG, et al. **J Acoust Soc Am** 1984 Feb;75(2):515–27
Gate mechanism in breathlessness caused by chest wall vibration in humans. Homma I, et al. **J Appl Physiol** 1984 Jan;56(1):8–11
The effect of training on discrimination of vibrotactual speech stimuli. Hurley RM. **J Aud Res** 1982 Jan;22(1):45–50
Local vibrations—mechanical impedance of the human hand's glabrous skin. Lundström R. **J Biomech** 1984; 17(2):137–44
Identification of in–vivo vibration modes of human tibiae by modal analysis. Van der Perre G, et al. **J Biomech Eng** 1983 Aug;105(3):244–8
Vibrating Reed method [letter] Laura PA. **J Biomed Eng** 1984 Jul;6(3):242–3
Direct and indirect determination of tibial natural frequency—a comparison of frequency domain analysis and fast Fourier transform. Nokes L, et al. **J Biomed Eng** 1984 Jan;6(1):45–8
Natural frequency of fracture fragments in the assessment of tibial fracture healing. Nokes LD, et al. **J Biomed Eng** 1984 Jul;6(3):227–9
Vibratory sensory testing in acute peripheral nerve compression. Szabo RM, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):104–9
Vibration disease of the capitate. James ET, et al. **J Hand Surg [Br]** 1984 Jun;9(2):169–70
Fetal response to external mechanical stimuli. Issel EP. **J Perinat Med** 1983;11(5):232–42
Relationship between sine random vibrations, resonance and drug content uniformity. Staniforth JN. **J Pharm Pharmacol** 1984 Apr;36(4):258–60
Segregation of vibrated powder mixes containing different concentrations of fine potassium chloride and tablet excipients. Staniforth JN, et al. **J Pharm Pharmacol** 1983 Sep;35(9):549–54
Effects of vibration, noise and restraint on heart rate, blood pressure and renal blood flow in the pig. Stephens DB, et al. **J R Soc Med** 1983 Oct;76(10):841–7
The recording of heart vibrations: a problem of vibration measurement on soft tissue. Vermarien H, et al. **Med Biol Eng Comput** 1984 Mar;22(2):168–78
The effect of vibration on vision during microsurgery. Kagan J, et al. **Microsurgery** 1983;4(4):209–14
Vibrotactile subjective magnitude as a function of hand preference. Verrillo RT. **Neuropsychologia** 1983; 21(4):383–95
Cutaneous temporal resolution values for 'sophisticated' and 'naive' subjects. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):831–4
Stability of magnitude production scales for oral and nonoral vibrotactile mechanoreceptive systems. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):691–7
Sensation magnitude scales for vibrotactile stimulation of the tongue and thenar eminence. Fucci D, et al. **Percept Mot Skills** 1984 Jun;58(3):843–8
[The time required for rewarming of fingers after provocation with cold. Comparison between crane drivers exposed to vibration and a control group] Vestbo J, et al. **Ugeskr Laeger** 1983 Sep 26;145(39):3047–50 (Eng. Abstr.) (Dan)
[Cardiovascular reflexes, vibration thresholds and electroneurography parameters of the peroneal and sural nerves in type I diabetics] Mayr N, et al. **Wien Klin Wochenschr** 1984 May 11;96(10):393–8 (Eng. Abstr.) (Ger)
[Value of the determination of vibration sensitivity in diabetics (type I and II)] Kroetlinger M. **Wien Med Wochenschr** 1983 Nov 15;133(21):539–42 (Eng. Abstr.) (Ger)
[Measurement and evaluation of ship vibrations and their effect on humans] Majumder D, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Nov;33(11):338–45 (Ger)
[Measurement of the level of vibration on the human body. Transmission of train vibration to the human head in residential buildings] Nakagawa T, et al. **Nippon Eiseigaku Zasshi** 1984 Feb;38(6):909–13 (Eng. Abstr.) (Jpn)
[Studies on perinatal assessment of fetal well–being by vibratory stimuli] Kameyama N. **Nippon Ika Daigaku Zasshi** 1983 Aug;50(4):468–79 (Eng. Abstr.) (Jpn)
[Tonic vibration reflex and acupuncture] Homma I. **Rinsho Byori** 1983 Oct;Spec No 57:136–45 (Jpn)
[Delayed perception of vibration in multiple sclerosis] Cendrowski W. **Wiad Lek** 1983 Aug 1;36(15):1265–7 (Eng. Abstr.) (Pol)
[Enzyme inactivation after exposure to mechanical factors] Iakusheva LD, et al. **Biofizika** 1984 Mar–Apr;29(2):190–3 (Eng. Abstr.) (Rus)
[Hygienic evaluation of noise and vibration in passenger cars of long–distance trains] Tsysar' AI, et al. **Gig Sanit** 1984 Jan;(1):64–6 (Rus)
[Effect of vibration on the immune response induced by thymus–dependent and thymus–independent antigens] Iudina LE, et al. **Gig Tr Prof Zabol** 1983 Jul;(7):44–5 (Rus)
[Histochemical study of changes in the skin of rat hindlimbs during exposure to local vibration] Shnaidman IM, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):51–2 (Rus)
[Standardization of combined effects of local vibration and noise] Vyshchipan VF, et al. **Gig Tr Prof Zabol** 1984 Mar; (3):1–4 (Eng. Abstr.) (Rus)
[Resonance frequencies of vibration in rats] Ushakov IB, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):65–8 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Vestibuloneurological disorders due to lasting influence of noise and vibrations. Krejčová H, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;406:242–4
Motor dyscontrol as a hazard in massive body vibration in man. Gauthier GM, et al. **Adv Neurol** 1983;39:685–97
Whole body vibration—a critical review. Helmkamp JC, et al. **Am Ind Hyg Assoc J** 1984 Mar;45(3):162–7 (18 ref.)
Whole body vibration [letter] von Gierke HE. **Am Ind Hyg Assoc J** 1984 Jul;45(7):B14, B16
Lytic spondylolisthesis in helicopter pilots. Froom P, et al. **Aviat Space Environ Med** 1984 Jun;55(6):556–7
Spinal reflex alterations as a function of intensity and frequency of vibration applied to the feet of seated subjects. Martin BJ, et al. **Aviat Space Environ Med** 1984 Jan; 55(1):8–12
Subjective effects of combined–axis vibration: comparison of Y–axis and Y–plus–roll vibrations. Shoenberger RW. **Aviat Space Environ Med** 1984 May;55(5):387–90
Benefits of helmet–mounted display image stabilisation under whole–body vibration. Wells MJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):13–8
Blood pressure, flow, and peripheral resistance of digital arteries in vibration syndrome. Futatsuka M, et al. **Br J Ind Med** 1983 Nov;40(4):434–41
Symptoms of vibration syndrome and radiographic findings in the wrists of lumberjacks. Härkönen H, et al. **Br J Ind Med** 1984 Feb;41(1):133–6
Vibration syndrome and vibration in pedestal grinding. Starck J, et al. **Br J Ind Med** 1983 Nov;40(4):426–33
Effect of the air hammer on the hands of stonecutters. The limestone quarries of Bedford, Indiana, revisited. Taylor W, et al. **Br J Ind Med** 1984 Aug;41(3):289–95
X ray anomalies occurring in workers exposed to vibration caused by light tools. Van den Bossche J, et al. **Br J Ind Med** 1984 Feb;41(1):137–41
Evaluation of hearing in sailors of the inland shipping company exposed to noise and vibration. Pośpiech L, et al. **Bull Inst Marit Trop Med Gdynia** 1982;33(1–2):35–47
Electrocardiographic observation of subjects exposed to vibration. Tomaszewski R, et al. **Bull Inst Marit Trop Med Gdynia** 1982;33(3–4):129–32
Effect of whole body vibration on the rat brain content of serotonin and plasma corticosterone. Ariizumi M, et al. **Eur J Applied Physiol** 1983;52(1):15–9
Changes in cerebral norepinephrine induced by vibration or noise stress. Okada A, et al. **Eur J Applied Physiol** 1983; 52(1):94–7
Original construction of thermo–esthesiometer and its application to vibration disease. Hirosawa I. **Int Arch Occup Environ Health** 1983;52(3):209–14
Availability of temperature sense indices for diagnosis of vibration disease. Hirosawa I, et al. **Int Arch Occup Environ Health** 1983;52(3):215–22
Application of a multistage classifier to the diagnosis of some occupational disease groups. Knapikowa D, et al. **Int Arch Occup Environ Health** 1983;53(2):149–55
Hearing threshold and heart rate in men after repeated exposure to dynamic muscle work, sinusoidal vs stochastic whole body vibration and stable broadband noise. Manninen O. **Int Arch Occup Environ Health** 1984; 54(1):19–32
Single and joint actions of noise and sinusoidal whole body vibration on TTS2 values and low frequency upright posture sway in men. Manninen O, et al. **Int Arch Occup Environ Health** 1984;54(1):1–17

Spontaneous pneumomediastinum associated with vibration injury. Zoltie N, et al. **J R Coll Surg Edinb** 1984 May; 29(3):189

Some hazards associated with spring correction. Dornan JD. **J Soc Occup Med** 1984 Feb;34(1):33–4

The importance of infrathermographic examination of the face and lower limbs in the differential–diagnosis of Raynaud's phenomenon caused by vibration and systemic disease. Kákosy T, et al. **Med Lav** 1983 Nov–Dec; 74(6):499–502

A rheoencephalographic study of the cerebral blood flow in patients with the vibration disease. Itoh F. **Sangyo Igaku** 1983 Jul;25(4):227–34

Platelet function and clotting parameters of vibration–exposed foundry workers. Bovenzi M, et al. **Scand J Work Environ Health** 1983 Aug;9(4):347–52

High impulse acceleration levels in hand–held vibratory tools. An additional factor in the hazards associated with the hand–arm vibration syndrome. Starck J. **Scand J Work Environ Health** 1984 Jun;10(3):171–8

On the health status of workers using vibrating tools in anthracite mines. Moon YH, et al. **Yonsei Med J** 1983; 24(1):46–53

[Experimental study on the effect of local vibration in rabbits] Chen L, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep;17(5):270–4 (Eng. Abstr.) **(Chi)**

[Comparative studies for the objectivation of vibration–induced circulatory disorders] Gericke E, et al. **Z Gesamte Hyg** 1984 Jun;30(6):323–5 (Eng. Abstr.) **(Ger)**

[Effect of pure sound and vibration on the embryonic development of the mouse] Briese V, et al. **Zentralbl Gynakol** 1984;106(6):379–88 (Eng. Abstr.) **(Ger)**

[Erythrocyte deformability in subjects with microangiopathy caused by vibrating tools] Pennarola R, et al. **Ric Clin Lab** 1983;13 Suppl 3:487–91 (Eng. Abstr.) **(Ita)**

[Combined instrumental evaluation of microangiopathy caused by vibrating tools] Pennarola R, et al. **Ric Clin Lab** 1983;13 Suppl 3:493–8 (Eng. Abstr.) **(Ita)**

[Seasonal variation of circulatory and sensory functions during immersion test in cold water] Harada N, et al. **Sangyo Igaku** 1983 Sep;25(5):422–31 (Eng. Abstr.) **(Jpn)**

[Studies on the serum aldolase activity in workers with muscle disorders caused by vibration work] Kasamatsu T. **Sangyo Igaku** 1983 Nov;25(6):493–502 (Eng. Abstr.) **(Jpn)**

[A study on the development of symptoms and their relationship to the total chain–saw operating time] Miyashita K. **Sangyo Igaku** 1983 Nov;25(6):483–92 (Eng. Abstr.) **(Jpn)**

[Vibration syndrome among forestry workers. Subjective symptoms and diagnostic norm] Suzuki H, et al. **Sangyo Igaku** 1983 Sep;25(5):387–98 (Eng. Abstr.) **(Jpn)**

[Use of impedance rheography in the diagnosis of the vibration syndrome] Nowak H, et al. **Med Pr** 1983; 34(4):307–11 (Eng. Abstr.) **(Pol)**

[Vibration–induced morphological changes in the brain stem and spinal cord of the guinea pig] Sopek M, et al. **Med Pr** 1983;34(5–6):361–7 (Eng. Abstr.) **(Pol)**

[Health–resort treatment of the vascular form of vibration syndrome] Langauer–Lewowicka H, et al. **Pol Tyg Lek** 1984 Jan 23;39(4):111–4 (Eng. Abstr.) **(Pol)**

[Experimental study of the effect of vibration on reproductive function] Balichieva DV, et al. **Gig Tr Prof Zabol** 1984 May;(5):32–4 (Eng. Abstr.) **(Rus)**

[Work capacity and health status characteristics of young workers exposed to industrial noise and vibration] Borisenko NF, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):5–7 (Eng. Abstr.) **(Rus)**

[Social health study of vibration disease among workers in the machine industry] Ellanskii IuG, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):6–8 (Eng. Abstr.) **(Rus)**

[Roentgenological evaluation of bone changes in the hand caused by local low–frequency vibration in car body grinders] Grigorian EA, et al. **Gig Tr Prof Zabol** 1984 Apr; (4):40–2 (Eng. Abstr.) **(Rus)**

[Clinical and diagnostic value of studying cyclic nucleotides and prostaglandin F2alpha in vibration disease] Khadzhiev AK. **Gig Tr Prof Zabol** 1984 Feb;(2):46–8 **(Rus)**

[Study of the etiology of fatigue during physical work with exposure to local vibration] Moĭkin IuV, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):9–13 (Eng. Abstr.) **(Rus)**

[Regulation of the level of toxic substances in the air of the work zone when combined with general vibration and accompanying noise] Shterengard RIa. **Gig Tr Prof Zabol** 1984 May;(5):40–2 **(Rus)**

[Clinical course of vibration– and noise–induced damage in miners of the Donets Basin] Vel'skaia ML, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):46–7 **(Rus)**

[Selection of the psychophysiological criterion for evaluating whole–body low–frequency vibration] Kamenskiĭ IuN. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):47–50 (Eng. Abstr.) **(Rus)**

[Use of rheography in evaluation of the state of peripheral circulation during exposure to noise and vibration] Plakhov NN. **Voen Med Zh** 1983 Jul;(7):51 **(Rus)**

[Work capacity evaluation in vibration disease combined with cardiovascular diseases] Naumenko BS, et al. **Vrach Delo** 1983 Sep;(9):104–5 (Eng. Abstr.) **(Rus)**

[Dynamics of neurovascular indices among miners with vibration disease upon cessation of contact with vibrating tools] Vel'skaia ML, et al. **Vrach Delo** 1983 Oct;(10):89–91 (1 ref.) (Eng. Abstr.) **(Rus)**

[Analysis of local vibration and the use of peripheral rheography in studying blood circulation in operators of construction machinery] Petrović D, et al. **Vojnosanit Pregl** 1983 May–Jun;40(3):179–81, 193 (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

Clonazepam and vibration in restless legs syndrome. Montagna P, et al. **Acta Neurol Scand** 1984 Jun; 69(6):428–30

Effect of chest wall vibrations on pulmonary function in chronic bronchitis. Rivington–Law BA, et al. **Chest** 1984 Mar;85(3):378–81

Analgesic effect of vibration and cooling on pain induced by intraneural electrical stimulation. Bini G, et al. **Pain** 1984 Mar;18(3):239–48

Vibration 'therapy' [letter] Black CS. **Spec Educ Forward Trends** 1984 Mar;11(1):38

[Canal obturation by means of ultrasonic systems. A new concept: combined ultrasonics thermomechanical and ultrasonic sound vibration technics of obturation] Lauricheese JM. **Actual Odontostomatol (Paris)** 1984 Jun; 146:233–44 (Eng. Abstr.) **(Fre)**

[Effect of vibration massage on the immunologic reactivity of gynecologic patients] Mikhallov VD, et al. **Akush Ginekol (Mosk)** 1983 Sep;(9):58–61 (5 ref.) (Eng. Abstr.) **(Rus)**

[Vibration massage as a means of accelerating uterine involution following labor] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):55–7 (Eng. Abstr.) **(Rus)**

[Local (vital–point) vibration massage in the treatment of patients with neurological manifestations of cervical osteochondrosis] Golosova LO. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):14–7 (Eng. Abstr.) **(Rus)**

[Vibration massage of pain points on the skin in treating chronic adnexal inflammation] Iudinskikh SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):41–3 (Eng. Abstr.) **(Rus)**

VIBRIO

Vibrio anguillarum: a comparative study of fish pathogenic, environmental, and reference strains. Larsen JL. **Acta Vet Scand** 1983;24(4):456–76

ANALYSIS

The relationship between three potential pathogens and pollution indicator organisms in Nova Scotian coastal waters. Robertson WJ, et al. **Can J Microbiol** 1983 Oct; 29(10):1261–9

Purification of enterotoxins from Vibrio mimicus that appear to be identical to cholera toxin. Spira WM, et al. **Infect Immun** 1984 Sep;45(3):679–84

The ribonucleotide sequence of 5s rRNA from two strains of deep–sea barophilic bacteria. Deming JW, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):1911–20

Cellular sugar pattern of Vibrio anguillarum. Yanagihara Y, et al. **Microbiol Immunol** 1984;28(4):499–502

[DNA content in bacteria of the genera Bacillus, Pseudomonas, Proteus and Vibrio] Korotiaev AI, et al. **Biol Nauki** 1983;(9):26–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Evolutionary relationships in vibrio and Photobacterium: a basis for a natural classification. Baumann P, et al. **Annu Rev Microbiol** 1983;37:369–98 (135 ref.)

A numerical taxonomic study of species of Vibrio isolated from the aquatic environment and birds in Kent, England. West PA, et al. **J Appl Bacteriol** 1983 Oct;55(2):263–82

Presumptive identification of Vibrio species with H antiserum. Tassin MG, et al. **J Clin Microbiol** 1983 Aug; 18(2):400–7

Serological studies on Vibrio fluvialis. Shimada T, et al. **Jpn J Med Sci Biol** 1983 Dec;36(6):315–23

[Phage typing of nonagglutinating vibrios isolated in the territory of the USSR] Ganin VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):89–92 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Metabolic and ultrastructural response to glucose of two eurytrophic bacteria isolated from seawater at different enriching concentrations. Baxter M, et al. **Appl Environ Microbiol** 1984 Jan;47(1):31–8

Drug resistance and R plasmids in Vibrio anguillarum isolated in cultured ayu (Plecoglossus altivelis). Aoki T, et al. **Microbiol Immunol** 1984;28(1):1–9

ENZYMOLOGY

Studies on the induction of histidase in Vibrio el tor under nitrofurantoin resistant conditions. Haldar S, et al. **Acta Microbiol Pol** 1983;32(2):147–52

Structural properties of the proteoliposomes catalyzing electron transport from formate to fumarate. Unden G, et al. **Biochim Biophys Acta** 1983 Oct 31;725(1):41–8

Low–potential cytochrome b as an essential electron–transport component of menaquinone reduction by formate in Vibrio succinogenes. Unden G, et al. **Biochim Biophys Acta** 1983 Nov 30;725(2):325–31

Extracellular phospholipase A2 and lysophospholipase produced by Vibrio vulnificus. Testa J, et al. **Infect Immun** 1984 Aug;45(2):458–63

Vibrio harveyi aldehyde dehydrogenase. Partial reversal of aldehyde oxidation and its possible role in the reduction of fatty acids for the bioluminescence reaction. Byers D, et al. **J Biol Chem** 1984 Jun 10;259(11):7109–14

Affinity labeling of the aldehyde site of bacterial luciferase. Fried A, et al. **J Biol Chem** 1984 Sep 10;259(17):10754–9

Na+ is translocated at NADH:quinone oxidoreductase segment in the respiratory chain of Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1984 Jun 25;259(12):7785–90

[A modified Moeller medium for determination of decarboxylase activity of bacteria of the Vibrio genus] Onatskiĭ II, et al. **Lab Delo** 1983;(7):60–1 **(Rus)**

GENETICS

Transmissible antibiotic resistance in halophilic vibrios. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):141–5

Transposon mutagenesis of marine Vibrio spp. Belas R, et al. **J Bacteriol** 1984 Jun;158(3):890–6

Iron uptake system medicated by Vibrio anguillarum plasmid pJM1. Walter MA, et al. **J Bacteriol** 1983 Nov;156(2):880–7

Absence of nucleotide sequence homology between genes for Vibrio cholerae toxin and Vibrio fluvalis [letter] Suthienkul O, et al. **J Infect Dis** 1983 Dec;148(6):1166

Identification of genes and gene products necessary for bacterial bioluminescence. Engebrecht J, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4154–8

GROWTH & DEVELOPMENT

Production of cholera toxin–like toxin by Vibrio mimicus and non–O1 Vibrio cholerae: batch culture conditions for optimum yields and isolation of hypertoxigenic lincomycin–resistant mutants. Spira WM, et al. **Infect Immun** 1983 Nov;42(2):501–9

Proton motive force and Na+/H+ antiport in a moderate halophile. Hamaide F, et al. **J Bacteriol** 1983 Nov; 156(2):537–44

Growth of a marine Vibrio alginolyticus and moderately halophilic V. costicola becomes uncoupler resistant when the respiration–dependent Na+ pump functions. Tokuda H, et al. **J Bacteriol** 1983 Nov;156(2):636–43

IMMUNOLOGY

Characterization of the surface antigens of the marine fish pathogens Vibrio anguillarum and Vibrio ordalii. Chart H, et al. **Can J Microbiol** 1984 May;30(5):703–10

Differential complement activation and susceptibility to human serum bactericidal action by Vibrio species. Tamplin ML, et al. **Infect Immun** 1983 Dec;42(3):1187–90

Vaccine for the control of vibriosis in eels. Austin B. **Vet Rec** 1983 Oct 22;113(17):394–5

[Study of various application methods for active immunization of fishes with Aeromonas salmonicida, Aeromonas punctata and Vibrio anguillarum. 1. Immunization with Aeromonas salmonicida strain 314] Jung B, et al. **DTW** 1983 Jul 6;90(7):286–91 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Vibrios on the half shell: what the walrus and the carpenter didn't know. Blake PA. **Ann Intern Med** 1983 Oct; 99(4):558–9

Broth medium for enrichment of Vibrio fluvialis from the environment. Nishibuchi M, et al. **Appl Environ Microbiol** 1983 Aug;46(2):425–9

Halophilic Vibrio species from seafish in Senegal. Schandevyl P, et al. **Appl Environ Microbiol** 1984 Jul;48(1):236–8

Vibrio furnissii (formerly aerogenic biogroup of Vibrio fluvialis), a new species isolated from human feces and the environment. Brenner DJ, et al. **J Clin Microbiol** 1983 Oct; 18(4):816–24

Vibrio fluvialis and Vibrio furnissii isolated from a stool sample of one patient. Hickman–Brenner FW, et al. **J Clin Microbiol** 1984 Jul;20(1):125–7

Curved anaerobic bacteria in bacterial (nonspecific) vaginosis and their response to antimicrobial therapy. Spiegel CA, et al. **J Infect Dis** 1983 Nov;148(5):817–22

Fatal penetrating skin ulcers in laboratory–reared octopuses. Hanlon RT, et al. **J Invertebr Pathol** 1984 Jul;44(1):67–83

Highly invasive new bacterium isolated from US east coast waters. **JAMA** 1984 Jan 20;251(3):323–5

[Characteristics of Vibrio metschnikovii isolated in Tunisia] Khemiri F, et al. **Arch Inst Pasteur Tunis** 1983 Mar–Sep; 60(1–2):13–9 (Eng. Abstr.) **(Fre)**

[Case of bacteremic phlegmon due to Vibrio vulnificus] Kaseda M, et al. **Kansenshogaku Zasshi** 1983 Aug; 57(8):750–4 (Eng. Abstr.) **(Jpn)**

[Disc agglutination reactions for accumulation, isolation and identification of Vibrio cholerae and vibrios not agglutinated by 01–serum] Andrusenko IT, et al. **Lab Delo** 1983;(10):45–8 (Eng. Abstr.) **(Rus)**

[Semiliquid elective–differential medium for isolation of pure cultures of vibrios] Golkovskiĭ GM, et al. **Lab Delo** 1984;

(4):244–7 (Eng. Abstr.) (Rus)
[Improvement in methods for studying Vibrio flora] Shikulov VA, et al. **Lab Delo** 1984;(3):173–5 (Eng. Abstr.) (Rus)
[Serovars of nonagglutinating vibrios isolated on the territory of the Uzbek SSR and their role in the development of acute intestinal diseases] Ziiaev ShI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Aug;(8):45–6 (Eng. Abstr.) (Rus)

METABOLISM

Enterotoxin production by Vibrio cholerae and Vibrio mimicus grown in continuous culture with microbial cell rec cle. Spira WM, et al. **Appl Environ Microbiol** 1983 Sep; 46(3):704–9
Energetics of sodium-dependent alpha-aminoisobutyric acid transport in the moderate halophile Vibrio costicola. Hamaide F, et al. **Biochim Biophys Acta** 1984 Jul 27; 766(1):77–87
In vivo and in vitro acylation of polypeptides in Vibrio harveyi: identification of proteins involved in aldehyde production for bioluminescence. Wall LA, et al.
J Bacteriol 1984 Aug;159(2):720–4
Comparative studies and laboratory diagnosis of Vibrio vulnificus, an invasive Vibrio sp. Desmond EP, et al.
J Clin Microbiol 1984 Feb;19(2):122–5
[Antitumor activity and immunostimulating effect of culture filtrate of a marine bacterium, Vibrio anguillarum, in mice] Shimizu T, et al. **Yakugaku Zasshi** 1983 Jul;103(7):761–5 (Eng. Abstr.) (Jpn)

PATHOGENICITY

Role of heme compounds and haptoglobin in Vibrio vulnificus pathogenicity. Helms SD, et al. **Infect Immun** 1984 Aug;45(2):345–9
Cytolytic activity and virulence of Vibrio damsela. Kreger AS. **Infect Immun** 1984 May;44(2):326–31
Lack of homology between the iron transport regions of two virulence-linked bacterial plasmids. Walter MA, et al.
Infect Immun 1984 Feb;43(2):765–7
[Food poisoning caused by Heiberg's group II Vibrio] Xie ZP. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jan; 18(1):35–6 (Eng. Abstr.) (Chi)
[Acute gastroenteritis probably caused by Vibrio fluvialis and enteropathogenicity of the organism] Kobayashi K, et al.
Kansenshogaku Zasshi 1983 May;57(5):375–82 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Mechanism of poliovirus inactivation by cell-free filtrates of marine bacteria. Toranzo AE, et al. **Can J Microbiol** 1983 Nov;29(11):1481–6
Growth and luminescence of luminous bacteria on modified Haneda's medium. Fukasawa S, et al.
Microbiol Immunol 1984;28(1):117–21
The newly described pathogenic species Vibrio mimicus isolated from human diarrhoeal stools and from a sea water sample. Ciufecu C, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Mar; 254(1):89–94

ULTRASTRUCTURE

Multiflagellate variants of Vibrio anguillarum. Chart H.
J Gen Microbiol 1983 Jul;129 (Pt 7):2193–7
Isolation and characterization of a filamentous phage, Vf33, specific for Vibrio parahaemolyticus. Taniguchi H, et al.
Microbiol Immunol 1984;28(3):327–37

VIBRIO CHOLERAE

see related

CHOLERA TOXIN

Robert Koch and the cholera vibrio: a centenary. Howard-Jones N. **Br Med J [Clin Res]** 1984 Feb 4; 288(6414):379–81
Characterization of monoclonal antibodies that react with unique and cross-reacting determinants of cholera enterotoxin and its subunits. Holmes RK, et al.
Infect Immun 1983 Dec;42(3):914–23
Centenary of discovery of cholera vibrio. Seal SC.
J Indian Med Assoc 1983 Dec;81(11–12):210–2
From the National Institute of Allergy and Infectious Diseases. Summary of the 19th United States-Japan Joint Cholera Conference. Edelman R, et al. **J Infect Dis** 1984 Jun;149(6):1014–7
Vibrio cholerae bacteriophage CP-T1: characterization of bacteriophage DNA and restriction analysis. Guidolin A, et al. **J Virol** 1984 Jul;51(1):163–9
[Antitoxic system of the small intestine and liver in rats exposed to cholera enterotoxin] Iurkiv VA, et al.
Biull Eksp Biol Med 1984 Aug;97(8):190–2 (Eng. Abstr.) (Rus)
[Determination of cholera enterotoxin in supernatants of homogenates from the wall of the small intestine in rabbits in the passive immune hemolysis reaction] Gallonskaia IN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb; (2):97–9 (Eng. Abstr.) (Rus)
[Reactogenicity and immunological effectiveness of a chemical sorbed typhoid vaccine in combination with choleragen-anatoxin administered subcutaneously by jet injector] Gapochko KG, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):95–7 (Eng. Abstr.) (Rus)
[Effect of gamma radiation on the immunobiological and immunochemical properties of cholera exotoxin. I. Change in the biological activity of nonpurified cholera exotoxin as affected by ionizing radiation] Nedugova GI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):47–51 (Eng. Abstr.) (Rus)
[Modification of a method of passive immune hemolysis on a solid medium for detecting the production of thermolabile enterotoxins by Vibrio cholerae and Escherichia coli strains] Shaginian IA, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Jul;(7):92–7 (Eng. Abstr.) (Rus)

ANALYSIS

Identical 5S rRNA nucleotide sequence of Vibrio cholerae strains representing temporal, geographical, and ecological diversity. MacDonell MT, et al. **Appl Environ Microbiol** 1984 Jul;48(1):119–21
Biological and biochemical characteristics of vibriocins. Dastidar SG, et al. **Indian J Exp Biol** 1984 Jan;22(1):25–31
Vibriobactin, a siderophore from Vibrio cholerae. Griffiths GL, et al. **J Biol Chem** 1984 Jan 10;259(1):383–5
Studies on heterogeneous lipopolysaccharide fractions of Vibrio cholerae 569B. Chakrabarti D, et al.
J Gen Microbiol 1984 Aug;130 (Pt 8):2023–6
[Diagnosis of Vibrio cholerae in the laboratory] Dodin A, et al. **Bull Soc Pathol Exot Filiales** 1983 Nov;76(5):644–51 (Eng. Abstr.) (Fre)

CLASSIFICATION

The suitability of coagglutination for the rapid bacteriological diagnosis of Vibrio cholerae 0:1. Ciufecu C, et al.
Arch Roum Pathol Exp Microbiol 1983 Oct–Dec; 42(4):271–82
Study of Vibrio cholerae non-01 (non agglutinable vibrios). Palasuntheram C. **Ceylon Med J** 1983 Jun;28(2):88–92
Production of Vibrio cholerae O1 and non-O1 typing sera in rabbits immunized with polysaccharide-protein carrier conjugates. Adams LB, et al. **J Clin Microbiol** 1984 Feb; 19(2):181–6
Isolation of nontoxigenic Vibrio cholerae O group 1 from a patient with severe gastrointestinal disease. Morris JG Jr, et al. **J Clin Microbiol** 1984 Feb;19(2):296–7
Phage types of Vibrio cholerae O1 biotype El Tor isolated from patients and family contacts in Bangladesh: epidemiologic implications. Glass RI, et al. **J Infect Dis** 1983 Dec;148(6):998–1004
Vibrio cholerae non-O1 isolated from five people with diarrhoea in Lima [letter] Kay BA, et al. **Lancet** 1984 Jan 28;1(8370):218
Vibrio cholerae in South America [letter] Preston NW.
Lancet 1984 Mar 17;1(8377):624–5
[Various features of the serotyping of Vibrio cholerae El Tor serologic variant Inaba] Kozhukhov IG, et al.
Lab Delo 1983;(8):62 (Rus)

DRUG EFFECTS

Effect of carbohydrates on adherence of Vibrio cholerae to rabbit intestine & haemagglutination of sheep erythrocytes. Sinha VB. **Indian J Med Res** 1984 Feb;79:159–62
Transferable plasmid-mediated drug resistance among non-O1 Vibrio cholerae and rough strains of Vibrio cholerae from Tamilnadu, India. Sundaram S, et al.
J Hyg (Lond) 1984 Feb;92(1):59–65
B-galactosidase activity in different toxigenic and nontoxigenic strains of Vibrio cholerae: effect of glucose. Chakrabarti MK, et al. **Microbiologica** 1984 Jan;7(1):11–9
[The antibacterial effect of niridazole on Vibrio cholerae strains] Füzi M. **Orv Hetil** 1983 Sep 18;124(38):2293–5 (Eng. Abstr.) (Hun)
[Responses of E1 Tor cholera Vibrio to antibiotics in relation to intestinal flora: antibiotic sensitivity and behaviors in mixed culture with resistant E. coli] Kino I.
Nippon Ika Daigaku Zasshi 1983 Oct;50(5):702–15 (Eng. Abstr.) (Jpn)
[Resistance to antibiotics of Vibrio cholerae and its possible prognostic significance] Ved'mina EA, et al. **Antibiotiki** 1984 Apr;29(4):260–3 (Eng. Abstr.) (Rus)
[Chemotaxis of cholera vibrios: a study method and the relation to different substances] Dimitrova NI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Sep;(9):24–8 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Vibrio cholerae hemagglutinin/protease nicks cholera enterotoxin. Booth BA, et al. **Infect Immun** 1984 Sep; 45(3):558–60
Neuraminidase production by Vibrio cholerae O1 and other diarrheagenic bacteria. Kabir S, et al. **Infect Immun** 1984 Jun;44(3):747–9
A rapid and sensitive assay for neuraminidase using peanut lectin hemagglutination: application to Vibrio cholera and Trypanosoma cruzi. Pereira ME. **J Immunol Methods** 1983 Sep 30;63(1):25–34

GENETICS

Duplication and amplification of toxin genes in Vibrio cholerae. Mekalanos JJ. **Cell** 1983 Nov;35(1):253–63
Effect of berberine chloride binding on the structure of cholera phage phi 2 DNA. Chaudhuri K, et al.
Indian J Biochem Biophys 1983 Aug;20(4):188–92
Persistence of plasmids, cholera toxin genes, and prophage DNA in classical Vibrio cholerae O1. Cook WL, et al.
Infect Immun 1984 Jul;45(1):222–6
Molecular epidemiological studies of United States Gulf Coast Vibrio cholerae strains: integration site of mutator vibriophage VcA-3. Goldberg S, et al. **Infect Immun** 1983 Oct;42(1):224–30
Mapping of chromosomal genes that determine the El Tor biotype in Vibrio cholerae. Green BA, et al.
Infect Immun 1983 Dec;42(3):924–9
Transposon-mediated mutagenesis and recombination in Vibrio cholerae. Newland JW, et al. **Infect Immun** 1984 Aug;45(2):428–32
Evidence indicating that the cholera toxin structural genes of Vibrio cholerae RJ1 and 3083-2 are between met and trp. Saunders DW, et al. **Infect Immun** 1983 Oct; 42(1):427–30
Genetic mapping of Vibrio cholerae enterotoxin structural genes. Sporecke I, et al. **J Bacteriol** 1984 Jan;157(1):253–61
Nucleotide sequence analysis of the A2 and B subunits of Vibrio cholerae enterotoxin. Lockman H, et al.
J Biol Chem 1983 Nov 25;258(22):13722–6
Recombinant nontoxinogenic Vibrio cholerae strains as attenuated cholera vaccine candidates. Kaper JB, et al.
Nature 1984 Apr 12–18;308(5960):655–8
Synthesis of cholera toxin is positively regulated at the transcriptional level by toxR. Miller VL, et al.
Proc Natl Acad Sci USA 1984 Jun;81(11):3471–5

GROWTH & DEVELOPMENT

Effects of nutrient deprivation on Vibrio cholerae. Baker RM, et al. **Appl Environ Microbiol** 1983 Oct;46(4):930–40
Production of cholera toxin-like toxin by Vibrio mimicus and non-O1 Vibrio cholerae: batch culture conditions for optimum yields and isolation of hypertoxigenic lincomycin-resistant mutants. Spira WM, et al.
Infect Immun 1983 Nov;42(2):501–9
Determination of serum bactericidal activity with the aid of luminous bacteria. Barak M, et al. **J Clin Microbiol** 1983 Aug;18(2):248–53
[Behavior of El Tor cholera Vibrio in various environments, especially in foodstuffs and live shellfish] Kumita G.
Nippon Ika Daigaku Zasshi 1983 Dec;50(6):804–10 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Modulation of antibody responses to Vibrio cholerae in mice by adoptive transfer of Peyer's patch lymphocytes from orally immunised donors. Ahmed A, et al.
Aust J Exp Biol Med Sci 1983 Dec;61 (Pt 6):705–11
Enzyme-linked immunoassays for antibodies against Vibrio cholerae. Cooper GN, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):713–25
Studies on the partial structure of the O-antigen of Vibrio cholera Ogawa G-2102. Majumder M, et al.
Carbohydr Res 1983 Oct 28;122(2):209–16
Vibrio cholerae soluble hemagglutinin/protease is a metalloenzyme. Booth BA, et al. **Infect Immun** 1983 Nov; 42(2):639–44
Evaluation in humans of attenuated Vibrio cholerae El Tor Ogawa strain Texas Star-SR as a live oral vaccine. Levine MM, et al. **Infect Immun** 1984 Feb;43(2):515–22
Evaluation of the human immune response to outer membrane proteins of Vibrio cholerae. Sears SD, et al.
Infect Immun 1984 May;44(2):439–44
Weak serum and intestinal antibody responses to Vibrio cholerae soluble hemagglutinin in cholera patients. Svennerholm AM, et al. **Infect Immun** 1984 Sep;45(3):792–4
Compared colonizing and immunizing efficiency of toxinogenic (A+ B+) Vibrio cholerae and an A- B+ mutant (Texas Star-SR) studied in adult rabbits. Tokunaga E, et al. **Infect Immun** 1984 May;44(2):364–9
Non-O1 Vibrio cholerae hemolysin: purification, partial characterization, and immunological relatedness to El Tor hemolysin. Yamamoto K, et al. **Infect Immun** 1984 Jul; 45(1):192–6
Monoclonal antibodies against group- and type-specific lipopolysaccharide antigens of Vibrio cholerae O:1. Gustafsson B, et al. **J Clin Microbiol** 1983 Sep;18(3):480–5
Rapid screening of fecal samples for Vibrio cholerae by a coagglutination technique. Jesudason MV, et al.
J Clin Microbiol 1984 May;19(5):712–3
The serological properties of the cell surface proteins of Vibrio cholerae. Kabir S. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2199–206
Investigation of populations heterogeneous according to O-antigen in Vibrio cholerae cultures. Andrusenko IT, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):177–84
Prophylactic significance of the nonlipopolysaccharide antigens of Vibrio cholerae. Attridge SR, et al.
J Infect Dis 1983 Nov;148(5):931–9
Mucosal antitoxic and antibacterial immunity after cholera disease and after immunization with a combined B subunit-whole cell vaccine. Svennerholm AM, et al.
J Infect Dis 1984 Jun;149(6):884–93
Elucidation of the phagocytosis mechanism with the aid of luminous bacteria. Barak M, et al. **J Med Microbiol** 1984 Aug;18(1):65–72

Immunogenicity of soluble haemagglutinin–lipopolysaccharide complex of classical vibrio cholerae. Chaicumpa W, et al. **Southeast Asian J Trop Med Public Health** 1983 Dec; 14(4):548–58

Improved method, using staphylococcal beta-hemolysin, for detection of hemolysin(s) produced by Vibrio cholerae biotype El Tor. Rockhill RC, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):181–5

[Choleragen–anatoxin chemical cholera vaccine enriched with Ogawa O-antigen] Dzhaparidze MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):70–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Seasonal variations of Vibrio cholerae (non–O1) isolated from California coastal waters. Kenyon JE, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1243–5

Vibrio cholerae (non–O1) isolated from California coastal waters. Kenyon JE, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1232–3

Toxigenic Vibrio cholerae O1 strain from Mexico identical to United States isolates [letter] Blake PA, et al. **Lancet** 1983 Oct 15;2(8355):912

Ecology of non–O 1 Vibrio cholerae in Toyama Prefecture. Kodama H, et al. **Microbiol Immunol** 1984;28(3):311–25

[Microbiological and chemical studies of the water from Lake Varese: isolation of Vibrio cholerae non 0–1] Bossi Conti G, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec; 75(7–12):361–8 (Eng. Abstr.) **(Ita)**

[Isolation and significance of Vibrio cholera NAG] Piantieri G, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun; 75(1–6):128–34 (Eng. Abstr.) **(Ita)**

[Use of R plasmids for isolating Vibrio cholerae donor strains] Smirnova NI, et al. **Genetika (Moskva)** 1984 Jul; 20(7):1071–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Vibrio cholerae expresses iron-regulated outer membrane proteins in vivo. Sciortino CV, et al. **Infect Immun** 1983 Dec;42(3):990–6

Environmental and human isolates of Vibrio cholerae and Vibrio parahaemolyticus produce a Shigella dysenteriae 1 (Shiga)–like cytotoxin. O'Brien AD, et al. **Lancet** 1984 Jan 14;1(8368):77–8

Studies on bacteriocin production by NAG–strains of Vibrio cholerae as a possible epidemiological marker. Israil AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Sep; 255(2–3):285–93

PATHOGENICITY

[The pathogenicity of Ubol type El Tor vibrio] Shigeno H, et al. **Kansenshogaku Zasshi** 1983 Mar;57(3):240–51 (Eng. Abstr.) **(Jpn)**

[Adhesive properties of Vibrio cholerae strains and mutants with varying biological characteristics] Uraleva VS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):51–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lysis of Vibrio cholerae cells: direct isolation of the outer membrane from whole cells by treatment with urea. Lohia A, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2027–33

The use of luminous bacteria for determination of phagocytosis. Barak M, et al. **J Immunol Methods** 1983 Nov 25;64(3):353–63

Characterization and distribution of the cell–bound haemagglutinins produced by Vibrio cholerae. Bandhaya MS, et al. **Southeast Asian J Trop Med Public Health** 1984 Mar;15(1):68–73

[Various characteristics of NAG–Vibrio isolated during the cold season] Kozhukhov IG, et al. **Lab Delo** 1984;(1):30–1 (Eng. Abstr.) **(Rus)**

[Quantitative parameters of the length of time of Vibrio eltor survival on household objects] Novikov DN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):53–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photodynamic damage and its repair in Vibrio cholerae. Sil K, et al. **Photochem Photobiol** 1983 Aug;38(2):185–92

[Gamma-radiation sensitivity of bacterial intergeneric conjugants Vibrio cholerae biotype Proteus X Serratia marcescens] Sokurova EN, et al. **Radiobiologiia** 1984 Mar–Apr;24(2):246–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structure and cell envelope associations of flagellar basal complexes of Vibrio cholerae and Campylobacter fetus. Ferris FG, et al. **Can J Microbiol** 1984 Mar;30(3):322–33

Nature of interaction of different wild type Vibrio cholerae with intestinal mucosa. Guentzel MN, et al. **Scan Electron Microsc** 1983;(Pt 1):263–70

Application of scanning electron microscopy to the study of microorganisms in gastrointestinal pathobiology. Guentzel MN. **Scan Electron Microsc** 1983;(Pt 1):279–92

[Effect of the culture medium on the morphology of Vibrio cholerae non-01] Strýčková T, et al. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul;32(4):235–40 (Eng. Abstr.) **(Slo)**

VIBRIO COMMA see **VIBRIO CHOLERAE**

VIBRIO FETUS see **CAMPYLOBACTER FETUS**

VIBRIO INFECTIONS

Vibrio parahaemolyticus pneumonia [letter] Yu SL, et al. **Ann Intern Med** 1984 Feb;100(2):320

[Vibrio vulnificus] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1983 Jan–Mar;28(1):75–82 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

A cholera–like illness in a traveller due to a mixed infection with enterotoxigenic Escherichia coli, Vibrio parahaemolyticus and Pseudomonas aeruginosa. Bockemühl J, et al. **Infection** 1983 Sep–Oct;11(5):272–4

DIAGNOSIS

Hemorrhagic bullae after a day's saltwater fishing. Newell GC. **Hosp Pract [Off]** 1984 Jan;19(1):236–7

Comparative studies and laboratory diagnosis of Vibrio vulnificus, an invasive Vibrio sp. Desmond EP, et al. **J Clin Microbiol** 1984 Feb;19(2):122–5

Vibrio sepsis in South Carolina. Ervin FR, et al. **J SC Med Assoc** 1984 Jan;80(1):19–21

Highly invasive new bacterium isolated from US east coast waters. **JAMA** 1984 Jan 20;251(3):323–5

Vibrio vulnificus septicaemia. Brady LM, et al. **Med J Aust** 1984 Jan 7;140(1):22–3

Marine Vibrio sepsis manifesting as necrotizing fasciitis. Fondé EC, et al. **South Med J** 1984 Jul;77(7):933–4

DRUG THERAPY

[A case report of Vibrio vulnificus infection with successful treatment] Watanabe K, et al. **Kansenshogaku Zasshi** 1984 Mar;58(3):239–45 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Vibrios on the half shell: what the walrus and the carpenter didn't know. Blake PA. **Ann Intern Med** 1983 Oct; 99(4):558–9

Spectrum of Vibrio infections in a Gulf Coast community. Bonner JR, et al. **Ann Intern Med** 1983 Oct;99(4):464–9

Food microbiology update. Emerging foodborne pathogens. Bryant RG. **Appl Biochem Biotechnol** 1983 Oct;8(5):437–54 (60 ref.)

Vibrio parahaemolyticus gastroenteritis. An outbreak associated with raw oysters in the Pacific northwest. Nolan CM, et al. **Diagn Microbiol Infect Dis** 1984 Apr;2(2):119–28

Clinical features and an epidemiological study of Vibrio vulnificus infections. Tacket CO, et al. **J Infect Dis** 1984 Apr;149(4):558–61

[Serovars of nonagglutinating vibrios isolated on the territory of the Uzbek SSR and their role in the development of acute intestinal diseases] Ziiaev ShI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):45–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Role of heme compounds and haptoglobin in Vibrio vulnificus pathogenicity. Helms SD, et al. **Infect Immun** 1984 Aug;45(2):345–9

MICROBIOLOGY

Cellulitis caused by Vibrio alginolyticus. Aelvoet G, et al. **Acta Derm Venereol (Stockh)** 1983;63(6):559–60

Wound infections caused by Vibrio vulnificus, a marine vibrio, in inland areas of the United States. Tacket CO, et al. **J Clin Microbiol** 1984 Feb;19(2):197–9

Curved anaerobic bacteria in bacterial (nonspecific) vaginosis and their response to antimicrobial therapy. Spiegel CA, et al. **J Infect Dis** 1983 Nov;148(5):817–22

Plasmids in Vibrio parahemolyticus strains isolated in Japan and Bangladesh with special reference to different distributions. Arai T, et al. **Microbiol Immunol** 1983; 27(12):1021–9

Vibrio vulnificus septicemia in a patient with liver cirrhosis. Chong Y, et al. **Yonsei Med J** 1982;23(2):146–52

[The enteropathogenic role of Vibrio parahaemolyticus in the coastal zone of the Ivory Coast] Dosso M, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):135–42 (Eng. Abstr.) **(Fre)**

[Case of bacteremic phlegmon due to Vibrio vulnificus] Kaseda M, et al. **Kansenshogaku Zasshi** 1983 Aug; 57(8):750–4 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

An outbreak of gastroenteritis due to Vibrio parahaemolyticus in Vellore. Lalitha MK, et al. **Indian J Med Res** 1983 Nov;78:611–5

PATHOLOGY

Enteroinvasive model of Vibrio parahaemolyticus. Chatterjee BD, et al. **Indian J Med Res** 1984 Feb;79:151–8

PREVENTION & CONTROL

Protection of mice against Vibrio vulnificus disease by vaccination with surface antigen preparations and anti–surface antigen antisera. Kreger AS, et al. **Infect Immun** 1984 Sep;45(3):537–43

TRANSMISSION

Public health aspects of halophilic Vibrios in Jamaica. Tamplin ML, et al. **West Indian Med J** 1983 Sep; 32(3):147–51

VETERINARY

Susceptibility and immunity to Vibrio anguillarum in post–hatching rainbow trout fry, Salmo gairdneri Richardson 1836. Tatner MF, et al. **Dev Comp Immunol** 1983 Summer;7(3):465–72

Vaccine for the control of vibriosis in eels. Austin B. **Vet Rec** 1983 Oct 22;113(17):394–5

VIBRIO PARAHAEMOLYTICUS

ANALYSIS

Isolation and characterization of the outer membrane from Vibrio parahaemolyticus. Koga T, et al. **J Gen Microbiol** 1983 Oct;129 (Pt 10):3185–96

Production of increased vascular permeability in rabbits by purified thermostable direct hemolysin from Vibrio parahaemolyticus. Yamamoto K, et al. **J Infect Dis** 1983 Dec;148(6):1129

Isolation and partial properties of a porin–like protein from Vibrio parahaemolyticus cell envelope. Koga T, et al. **Microbiol Immunol** 1983;27(10):861–7

CLASSIFICATION

[Serological classification of Vibrio parahaemolyticus] Chen SZ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Feb; 5(1):50–1 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Salt dependent beta–lactam antibiotic susceptibility of Vibrio parahaemolyticus. Arai T, et al. **Kitasato Arch Exp Med** 1983 Sep;56(3):89–97

GENETICS

Transmissible antibiotic resistance in halophilic vibrios. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):141–5

Cloning of the thermostable direct or Kanagawa phenomenon–associated hemolysin of Vibrio parahaemolyticus. Kaper JB, et al. **Infect Immun** 1984 Jul; 45(1):290–2

Plasmids in Vibrio parahemolyticus strains isolated in Japan and Bangladesh with special reference to different distributions. Arai T, et al. **Microbiol Immunol** 1983; 27(12):1021–9

ISOLATION & PURIFICATION

Optimal enrichment time for isolation of Vibrio parahaemolyticus from seafood. Dupray E, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1234–5

Levels of Vibrio parahaemolyticus in Indian shrimp undergoing processing for export. Karunasagar I, et al. **Can J Microbiol** 1984 May;30(5):713–5

Isolation of mucoid Vibrio parahaemolyticus strains. Lam S, et al. **J Clin Microbiol** 1984 Jan;19(1):87–8

Does El Niño also cause diarrhea [letter] Fieber L. **West J Med** 1984 Jan;140(1):104

An evaluation of the efficiency of enrichment media in the isolation process for Vibrio parahaemolyticus. Hofer E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):456–65

[Vibrio parahaemolyticus in mollusks] Berzero R, et al. **G Batteriol Virol Immunol** 1982 Jul–Dec;75(7–12):264–72 (Eng. Abstr.) **(Ita)**

[Vibrio parahaemolyticus isolated from blood in patients with septicemia] Nishiyama Y, et al. **Rinsho Byori** 1983 Apr; 31(4):440–6 **(Jpn)**

METABOLISM

Environmental and human isolates of Vibrio cholerae and Vibrio parahaemolyticus produce a Shigella dysenteriae 1 (Shiga)–like cytotoxin. O'Brien AD, et al. **Lancet** 1984 Jan 14;1(8368):77–8

PHYSIOLOGY

In vitro and in vivo pathologic effects of Vibrio parahaemolyticus on human epithelial cells. Merrell BR, et al. **Can J Microbiol** 1984 Mar;30(3):381–8

Comparative studies on nutritional and physiological characteristics of Vibrio parahaemolyticus originating from Germany, Togo and Peru. Heinemeyer EA. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):443–55

RADIATION EFFECTS

Photoreactivation of UV–killing in Vibrio parahaemolyticus WP28. Okaichi K, et al. **Photochem Photobiol** 1984 Jun;

39(6):771–3

VIBRIONACEAE

CLASSIFICATION

Allomonads – a new group of microorganisms of the Vibrionaceae family. Kalina GP, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):271–9

DRUG EFFECTS

[Antibiotic sensitivity of bacteria of the family Vibrionaceae isolated from the intestines of swine] Andrusenko IT, et al. **Antibiotiki** 1983 Aug;28(8):592–5 (Eng. Abstr.) **(Rus)**

[Quenching of the luminescence of phosphorescent bacteria as a test for assessing the toxicity of the phenol components of sewage] Gil' TA, et al. **Mikrobiologiia** 1983 Nov–Dec; 52(6):1014–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Hydrolytic release, and identification by g.l.c.–m.s., of 3–deoxy–D–manno–2–octulosonic acid in the lipopolysaccharides isolated from bacteria of the Vibrionaceae. Banoub JH, et al. **Carbohydr Res** 1983 Nov 11;123(1):117–22

ISOLATION & PURIFICATION

Microbiological & clinical studies in diarrhoea due to Plesiomonas shigelloides. Huq MI, et al. **Indian J Med Res** 1983 Jun;77:793–7

Methods for the isolation of Aeromonas hydrophila and Plesiomonas shigelloides from faeces. Millership SE, et al. **J Hyg (Lond)** 1984 Apr;92(2):145–52

A case of diarrhoea associated with Plesiomonas shigelloides [letter] Downey DJ, et al. **NZ Med J** 1984 Feb 8; 97(749):92–3

[Rapid method of carrying out the Voges–Proskauer and methyl red reactions using paper indicator systems] Nosov NN. **Lab Delo** 1984;(6):371–2 **(Rus)**

[Modification of methods for conducting the Voges–Proskauer reaction with vibrios] Savel'ev VN, et al. **Lab Delo** 1984;(6):372–4 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Further studies on enteropathogenicity of Plesiomonas shigelloides. Saraswathi B, et al. **Indian J Med Res** 1983 Jul;78:12–8

PHYSIOLOGY

Plesiomonas: biology of the organism and diseases in children. McNeeley D, et al. **Pediatr Infect Dis** 1984 Mar–Apr; 3(2):176–81 (51 ref.)

ULTRASTRUCTURE

Inclusion bodies in Plesiomonas shigelloides. Pastian MR, et al. **Appl Environ Microbiol** 1984 Jan;47(1):216–8

VIBROCARDIOGRAPHY see **KINETOCARDIOGRAPHY**

VIDARABINE

Formulation of a stable vidarabine phosphate injection. Kwee MS, et al. **Pharm Weekbl [Sci]** 1984 Jun 22;6(3):101–4

ADMINISTRATION & DOSAGE

Neonatal herpes simplex virus infection: follow–up evaluation of vidarabine therapy. Whitley RJ, et al. **Pediatrics** 1983 Dec;72(6):778–85

ADVERSE EFFECTS

Neurological toxicity associated with vidarabine (adenine arabinoside) therapy. Collignon PJ, et al. **Aust NZ J Med** 1983 Dec;13(6):627–9

Hematologic abnormalities associated with vidarabine. Lyon RA, et al. **Drug Intell Clin Pharm** 1984 Jan;18(1):72–3

[Vidarabine and varioliform gastritis (letter)] Dubois A, et al. **Gastroenterol Clin Biol** 1984 Jan;8(1):87 **(Fre)**

[Cutaneous hyperpigmentation and vidarabine (letter)] Cirera L, et al. **Med Clin (Barc)** 1983 Nov 12;81(15):693 **(Spa)**

ANALOGS & DERIVATIVES

Comparison of the efficacy of vidarabine, its carbocyclic analog (cyclaradine), and cyclaradine–5'–methoxyacetate in the treatment of herpes simplex virus type 1 encephalitis in mice. Shannon WM, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):538–43

Evaluation of prodrugs of 9–beta–D–arabinofuranosyladenine for therapeutic efficacy in the topical treatment of genital herpesvirus infections in guinea pigs. Shannon WM, et al. **Antimicrob Agents Chemother** 1983 Nov;24(5):706–12

Synergistic inhibition of leukemia L1210 cell growth in vitro by combinations of 2–fluoroadenine nucleosides and hydroxyurea or 2,3–dihydro–1H–pyrazole[2,3–a]imidazole. Sato A, et al. **Cancer Res** 1984 Aug;44(8):3286–90

Synthesis and evaluation of a series of 2'–O–acyl derivatives of 9–beta–D–arabinofuranosyladenine as antiherpes agents. Baker DC, et al. **J Med Chem** 1984 Mar;27(3):270–4

An evaluation of certain chain–extended analogues of 9–beta–D–arabinofuranosyladenine for antiviral and cardiovascular activity. Baker DC, et al. **J Med Chem** 1983 Oct;26(10):1530–4

Nucleoside conjugates V: Synthesis and biological activity of 9–(beta–D–arabinofuranosyl)adenine conjugates of corticosteroids. Hong CI, et al. **J Pharm Sci** 1984 Feb; 73(2):278–80

[Antiviral effects of 9–beta–D–arabinofuranosyl–2,6–diaminopurine against experimental herpetic keratitis] Yamane S. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):586–94 (Eng. Abstr.) **(Jpn)**

BLOOD

Modulation of arabinosyladenine metabolism by 2'–deoxycoformycin in the therapy of human acute leukemia. Plunkett W, et al. **Adv Exp Med Biol** 1984;165 Pt B:345–50

ISOLATION & PURIFICATION

Alkali lability of deoxyribonucleic acid that contains adenine arabinoside. Egan EM, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3849–52

METABOLISM

Neuritic uptake and transport of antiviral drugs modifying herpes simplex virus infection of rat sensory neurons. Svennerholm B, et al. **Arch Virol** 1984;81(3–4):213–22

Metabolism of arabinosyladenine in herpes simplex virus–infected and uninfected cells. Correlation with inhibition of DNA synthesis and role in antiviral selectivity. Schwartz PM, et al. **Biochem Pharmacol** 1984 Aug 1; 33(15):2431–8

Pharmacokinetics of vidarabine in the treatment of infants and children with infections due to herpesviruses. Shope TC, et al. **J Infect Dis** 1983 Oct;148(4):721–5

PHARMACODYNAMICS

Possible interaction between vidarabine and theophylline [letter] Gannon R, et al. **Ann Intern Med** 1984 Jul; 101(1):148–9

Establishment of a murine cell line resistant to arabinosyladenine and devoid of adenosine deaminase activity. Shipman C Jr, et al. **Antimicrob Agents Chemother** 1983 Dec;24(6):947–9

Effects of 9–beta–D–arabinofuranosyladenine and 1–beta–D–arabinofuranosylcytosine on levels of deoxyribonucleic acid precursors in uninfected and herpes simplex virus–infected cells. North TW. **Biochem Pharmacol** 1983 Dec 15;32(24):3862–4

Effects of ara A and fresh medium on chromosome damage and DNA double–strand break repair in X–irradiated stationary cells. Bryant PE. **Br J Cancer [Suppl]** 1984;6:61–5

[Effects of 9–beta–arabinofuranosyladenine on the functions of polymorphonuclear leukocytes in vitro] Braito A, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):55–7 (Eng. Abstr.) **(Ita)**

[Future of antifungal and antiviral agents. 2. Antiviral agents. a. Anti–herpes agents] Ohtani S. **Nippon Rinsho** 1984 Mar; 42(3):638–44 (27 ref.) **(Jpn)**

THERAPEUTIC USE

Therapeutic activities of 1–(2–fluoro–2–deoxy–beta–D–arabinofuranosyl)–5–iodocyt and –thymine alone and in combination with acyclovir and vidarabine in mice infected intracerebrally with herpes simplex virus. Schinazi RF, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):95–103

Comparison of the efficacy of vidarabine, its carbocyclic analog (cyclaradine), and cyclaradine–5'–methoxyacetate in the treatment of herpes simplex virus type 1 encephalitis in mice. Shannon WM, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):538–43

Therapeutic approaches to the control of cytomegalovirus infections. Dworsky M, et al. **Birth Defects** 1984; 20(1):345–52 (24 ref.)

Treatment of herpes simplex keratitis: comparison of acyclovir and vidarabine. Jackson WB, et al. **Can J Ophthalmol** 1984 Apr;19(3):107–11

Interim summary of mortality in herpes simplex encephalitis and neonatal herpes simplex virus infections: vidarabine versus acyclovir. Whitley RJ. **J Antimicrob Chemother** 1983 Sep;12 Suppl B:105–12 (8 ref.)

Effect of combined acyclovir and vidarabine on infection with herpes simplex virus in vitro and in vivo. Park NH, et al. **J Infect Dis** 1984 May;149(5):757–62

Vidarabine therapy for mucocutaneous herpes simplex virus infections in the immunocompromised host. Whitley RJ, et al. **J Infect Dis** 1984 Jan;149(1):1–8

Comparative use of adenine arabinoside and adenine arabinoside monophosphate in varicella and disseminated zoster in immunosuppressed patients. Vilde JL, et al. **J Med Virol** 1983;12(2):149–53

Management of infections due to herpes simplex virus. Gershon AA. **Pediatr Infect Dis** 1984 May–Jun;3(3 Suppl):S24–5

Prophylactic or anticipatory antiviral therapy for newborns exposed to herpes simplex infection. Overall JC Jr, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):193–5

Radiculomyelopathy associated with herpes simplex genitalis treated with adenosine arabinoside. Handler CE, et al. **Postgrad Med J** 1983 Jun;59(692):388–9

[Effects of arabinoside adenine in chronic HBsAg–positive hepatitis] Pofi E, et al. **Clin Ter** 1983 Oct 31;107(2):147–50 (Eng. Abstr.) **(Ita)**

[Effect of ara–A on the experimental herpes simplex virus encephalitis—pathology and fluctuation of the cerebrospinal fluid and serum antibody levels] Kurata T, et al. **No To Shinkei** 1983 Sep;35(9):913–20 (Eng. Abstr.) **(Jpn)**

[A case of herpes simplex type 2 meningo–encephalitis. Rapid diagnosis by immunofluorescent examination of the CSF for viral antigens and viderabine therapy] Kurihara T, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):230–4 (Eng. Abstr.) **(Jpn)**

[Hemorrhagic varicella (letter)] da Costa MT, et al. **Rev Paul Med** 1983 Sep–Oct;101(5):208 **(Por)**

TOXICITY

Selection of 9–beta–D–arabinofuranosyladenine–resistant human T–lymphoblasts with altered ribonucleotide reductase activity. Fridland A. **Cancer Res** 1984 Oct; 44(10):4328–32

Incorporation of 1–beta–D–arabinofuranosylcytosine into DNA from herpes simplex virus resistant to 9–beta–D–arabinofuranosyladenine. Kufe D, et al. **Cancer Res** 1984 Jan;44(1):69–73

VIDEO GAMES see **PLAY AND PLAYTHINGS**

VIDEO RECORDING

Reliability of optic disk topographic measurements recorded with a video–ophthalmograph. Mikelberg FS, et al. **Am J Ophthalmol** 1984 Jul 15;98(1):98–102

Assessing the consultation: methods of observing trainees in general practice. Pringle M, et al. **Br Med J [Clin Res]** 1984 Jun 2;288(6431):1659–60

Video simulations: learning the art of interviewing. Moulton–Barrett D. **Can Med Assoc J** 1984 Sep 1; 131(5):475–6

Interactive videodiscs. Gilson CC. **J Audiov Media Med** 1983 Oct;6(4):151

The use of touch–sensitive screen in interactive morphometry. Silage DA, et al. **J Microsc** 1984 Jun;134 (Pt 3):315–21

Methods in laboratory investigation. Digital reversal and enhancement of negatives in video–based interactive morphometry. Silage DA, et al. **Lab Invest** 1984 Jul; 51(1):112–6

Videoendoscopic determination of the mechanism of obstruction in obstructive sleep apnea. Rojewski TE, et al. **Otolaryngol Head Neck Surg** 1984 Apr;92(2):127–31

A modified video camera for measuring body image distortion: technical description and reliability. Freeman RJ, et al. **Psychol Med** 1984 May;14(2):411–6

[Immediate automatic morphometry of video–recorded specular endothelial images] Hartmann C, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:174–7 **(Fre)**

[Application of the video–system in urological endoscopy] Aso Y, et al. **Hinyokika Kiyo** 1984 Jan;30(1):13–5 (Eng. Abstr.) **(Jpn)**

[Dynamic structures of DNA, chromatin and chromosomes studied by video fluorescence microscopy] Yanagida M, et al. **Tanpakushitsu Kakusan Koso** 1984 May;29(5):329–43 **(Jpn)**

INSTRUMENTATION

Measurement of ciliary beat frequency using high–speed video microscopy. Dresdner RD, et al. **Biomed Sci Instrum** 1984;20:37–46

Videolaryngoscopy using a low cost home video system color camera. Yanagisawa E. **J Biol Photogr** 1984 Apr; 52(2):9–14

[Designing and application of an image–display type vascular diameter gauge] Sakaguchi M, et al. **Kokyu To Junkan** 1983 Jul;31(7):751–4 **(Jpn)**

METHODS

The use of natural language entry and laser videodisk technology in CAI. Abdulla AM, et al. **J Med Educ** 1984 Sep;59(9):739–45

Electroencephalographic/polygraphic/video monitoring in childhood epilepsy. Mizrahi EM. **J Pediatr** 1984 Jul; 105(1):1–9

[Modified video–pupillography: indications and 1st experiences] Gruber H, et al. **Wien Med Wochenschr** 1983 Nov 15;133(21):543–4 (Eng. Abstr.) **(Ger)**

STANDARDS

Some implications of audiovisual recordings of patients. Hart A. **J Audiov Media Med** 1984 Apr;7(2):48–50

VIDEODISC RECORDING see under **VIDEO RECORDING**

VIDEOTAPE RECORDING

The cricopharyngeal muscle: a videorecording review. Curtis DJ, et al. **AJR** 1984 Mar;142(3):497–500

Videotaped patient medication instruction program using

closed-circuit television. Burkle WS, et al. **Am J Hosp Pharm** 1984 Jan;41(1):105-7

Video as a medium in occupational therapy. Holm MB. **Am J Occup Ther** 1983 Aug;37(8):531-4

A texture analysis model for the classification of video images of B and T cells and the formation of subcategories. von Hagen V, et al. **Anal Quant Cytol** 1983 Dec;5(4):291-301

Videotape production: an inexpensive way to teach nursing skills. Rollant PD, et al. **AORN J** 1984 Jun;39(7):1136, 1138, 1140

Single-case analysis (time-series analysis) for the evaluation of documents. Petermann F. **Arch Psychol (Frankf)** 1983; 135(3):257-67

Distraction and contingent reinforcement with pediatric dental patients. Ingersoll BD, et al. **ASDC J Dent Child** 1984 May-Jun;51(3):203-7

Video urodynamic studies and clinical outcome. Barton EJ, et al. **Br J Radiol** 1983 Nov;56(671):805-7

Video as a teaching aid [letter] **Br Med J [Clin Res]** 1984 Jul 28;289(6439):250

Comparison between videotape and personal teaching as methods of communicating clinical skills to medical students. Mir MA, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):31-4

Clinical evaluation and application of cardiac laboratory high-definition video systems. Holmes DR Jr, et al. **Cathet Cardiovasc Diagn** 1984;10(1):63-71

Long term storage of video tape. Jenkinson B. **J Audiov Media Med** 1984 Jan;7(1):10-2

Tutored videotape-instruction in clinical decision-making. Sox HC Jr, et al. **J Med Educ** 1984 Mar;59(3):188-95

The video connection: group dynamics on screen. Hardin SB, et al. **J Psychosoc Nurs Ment Health Serv** 1983 Nov; 21(11):12-7, 20-1

Observed differences between direct, indirect, and direct/indirect videotaped supervisory conferences. Brasseur JA, et al. **J Speech Hear Res** 1983 Sep; 26(3):349-55

Assessment of clinical psychiatric skills in final-year medical students: the use of videotape. Fenton GW, et al. **Med Educ** 1984 Sep;18(5):355-9

Statistical image modulation, detection and analysis of dynamic video-digitizations of hepatic microvasculature. Brailer DJ, et al. **W Va Med J** 1983 Dec;79(12):270-1

[Video technics as teaching aid in forensic medicine classes] Böhm E, et al. **Beitr Gerichtl Med** 1983;41:19-22 (Eng. Abstr.) **(Ger)**

[Study of reflection of the structure of the environment in the activity of the cerebral cortex in the hungry rabbit by the videotape recording method] Shvyrkova NA. **Zh Vyssh Nerv Deiat** 1983 Nov-Dec;33(6):1163-6 **(Rus)**

INSTRUMENTATION

Technical considerations for cardiac laboratory high-definition video systems. Gray JE, et al. **Cathet Cardiovasc Diagn** 1984;10(1):73-86

Freeze-frame videorecording systems for fluoroscopy. Curtis DJ, et al. **Milit Med** 1984 Aug;149(8):476-8

Video-photo slit lamp. Brown AC, et al. **Ophthalmology (Rochester)** 1983 Sep;Suppl:139-42

METHODS

Measurement of left ventricular ejection fraction by videodensitometric analysis of digital subtraction angiograms. Tobis J, et al. **Am J Cardiol** 1983 Oct 1; 52(7):871-5

Kinelaryngoscopy for documentation of laryngeal pathophysiology. Selkin SG. **Laryngoscope** 1984 Jan; 94(1):58-62

UTILIZATION

The use of videotape programs to teach interpersonal skills. Schoonover SC, et al. **J Med Educ** 1983 Oct;58(10):804-10

VIDINE see **CHOLINE**

VIGILANCE, CORTICAL see **AROUSAL**

VILLAGE HEALTH WORKER see **COMMUNITY HEALTH AIDES**

VILOXAZINE see under **MORPHOLINES**

VIMINOL see under **ETHANOLAMINES**

VINBLASTINE

ADMINISTRATION & DOSAGE

Evaluation of vinblastine administered by 5-day continuous infusion in women with advanced breast cancer. Ingle JN, et al. **Cancer Treat Rep** 1984 May;68(5):803-4

Phase II study of continuous 5-day vinblastine infusion in renal adenocarcinoma. Kuebler JP, et al. **Cancer Treat Rep** 1984 Jun;68(6):925-6

Treatment of advanced breast cancer with mitomycin C combined with vinblastine or vindesine. Garewal HS, et al. **J Clin Oncol** 1983 Dec;1(12):772-5

Vinca-loaded platelets [letter] **N Engl J Med** 1984 Aug 30; 311(9):599-601

[Vinblastine-loaded platelet therapy in adult patients with chronic idiopathic thrombocytopenic purpura] Ohsaka A, et al. **Rinsho Ketsueki** 1984 Feb;25(2):135-42 (Eng. Abstr.) **(Jpn)**

[Cryodestruction in cancer of the penis] Matveev BP, et al. **Urol Nefrol (Mosk)** 1983 Jul-Aug;(4):38-42 (Eng. Abstr.) **(Rus)**

[Platelets loaded with vinblastine or vincristine in idiopathic thrombocytopenic purpura. Prognostic factors] Ambriz Fernández R, et al. **Rev Invest Clin** 1983 Jul-Sep; 35(3):213-9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The syndrome of inappropriate ADH secretion secondary to vinblastine-bleomycin therapy. Ravikumar TS, et al. **J Surg Oncol** 1983 Nov;24(3):242-5

ANALOGS & DERIVATIVES

Phase II trial of vindesine in patients with squamous cell cancer of the head and neck. Sledge GW Jr, et al. **Am J Clin Oncol** 1984 Jun;7(3):209-11

The action of two Vinca alkaloids on B16 melanoma in vitro. Donoso JA, et al. **Cancer Biochem Biophys** 1984 Jun; 7(2):133-45

Pharmacokinetics of vindesine bolus and infusion. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1984;13(2):114-9

Methotrexate-vindesine association in the treatment of head and neck cancer influence of vindesine on methotrexate's pharmacokinetic behavior. Lena N, et al. **Cancer Chemother Pharmacol** 1984;12(2):120-4

Pharmacokinetics of vincristine, vinblastine, and vindesine in rhesus monkeys. Sethi VS, et al. **Cancer Chemother Pharmacol** 1984;12(1):31-5

Experimental antitumor activity of 5'-nor-anhydrovinblastine navelbine. Maral R, et al. **Cancer Lett** 1984 Feb;22(1):49-54

Phase II evaluation of vindesine in the treatment of malignant glioma. Alavi JB, et al. **Cancer Treat Rep** 1984 May; 68(5):807-8

Treatment of esophageal cancer with vindesine: an open trial. Bezwoda WR, et al. **Cancer Treat Rep** 1984 May; 68(5):783-5

Vindesine in the treatment of advanced colorectal cancer: a phase II study. Diaz-Rubio E, et al. **Cancer Treat Rep** 1984 Mar;68(3):555-6

Effect of temperature on the cytotoxicity of vindesine, amsacrine, and mitoxantrone. Herman TS. **Cancer Treat Rep** 1983 Nov;67(11):1019-22

Phase II evaluation of vindesine in non-small cell bronchogenic carcinoma. Hutcheon AW, et al. **Cancer Treat Rep** 1983 Nov;67(11):1041-2

Comparison of vincristine and vindesine in the treatment of inoperable non-small cell bronchial carcinoma. Jewkes J, et al. **Cancer Treat Rep** 1983 Dec;67(12):1119-21

Phase II trial of vindesine in advanced gastric cancer. Kenny JB, et al. **Cancer Treat Rep** 1983 Jan;67(1):89-90

Phase II trial of vindesine in adenocarcinoma of the lung. Sledge GW Jr, et al. **Cancer Treat Rep** 1984 Mar; 68(3):557-8

Phase II trial of vindesine in advanced squamous cell cancer of the head and neck. Vogl SE, et al. **Cancer Treat Rep** 1984 Mar;68(3):559-60

Vindesine and cisplatin combination chemotherapy compared with vindesine as a single agent in the management of non-small cell lung cancer: a randomized study. Elliott JA, et al. **Eur J Cancer Clin Oncol** 1984 Aug;20(8):1025-32

EORTC phase II trial of vindesine in advanced melanoma. Rümke P, et al. **Eur J Cancer Clin Oncol** 1983 Aug; 19(8):1173-4

Inhibition of murine CFU-C by vindesine: restoration of colony growth by colony stimulating factor. Pigoli G, et al. **Int J Cell Cloning** 1983 Jul;1(3):142-50

Investigation of the in vivo anti-invasive and anti-metastatic effect of desacetyl vinblastine amide sulphate or vindesine. Atassi G, et al. **Invasion Metastasis** 1982;2(4):217-31

Vindesine in head and neck cancer. A Southwest Oncology Group Phase II pilot study. Haas CD, et al. **Invest New Drugs** 1983;1(4):339-40

Treatment of advanced breast cancer with mitomycin C combined with vinblastine or vindesine. Garewal HS, et al. **J Clin Oncol** 1983 Dec;1(12):772-5

Vindesine in patients with metastatic malignant melanoma: a Southwest Oncology Group study. Quagliana JM, et al. **J Clin Oncol** 1984 Apr;2(4):316-9

Navelbine: an ultrastructural study of its effects. Paintrand MR, et al. **J Electron Microsc (Tokyo)** 1983;32(2):115-24

Formation of a reactive iminium derivative by enzymatic and chemical oxidations of 16-O-acetylvindoline. Sariaslani FS, et al. **J Med Chem** 1984 Jun;27(6):749-54

Pharmacology, clinical efficacy and adverse effects of vindesine sulfate, a new vinca alkaloid. Cersosimo RJ, et al. **Pharmacotherapy** 1983 Sep-Oct;3(5):259-74 (125 ref.)

Monoclonal antibody 791T/36 for tumor detection and therapy for metastases. Baldwin RW, et al. **Symp Fundam Cancer Res** 1983;36:437-55 (31 ref.)

[Chemotherapy of carcinoma of the respiratory and digestive tracts with vindesine sulfate. Phase II clinical trial] Domenge C, et al. **Ann Otolaryngol Chir Cervicofac** 1984; 101(2):119-21 (Eng. Abstr.) **(Fre)**

[Use of vindesine in lymphangitic-type cutaneous recurrence of breast cancer (letter)] Palangie T, et al. **Bull Cancer (Paris)** 1983;70(5):437-8 **(Fre)**

[A randomized controlled study on vindesine and vincristine in combination with prednisolone in the treatment of adult acute lymphocytic leukemia and blastic crisis of chronic myeloid leukemia] **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2500-8 (Eng. Abstr.) **(Jpn)**

[Phase II study of vindesine in hematological malignancies] **Gan To Kagaku Ryoho** 1983 Dec;10(12):2509-15 (Eng. Abstr.) **(Jpn)**

[Effect of cis-diammine dichloroplatinum, vindesine sulfate combination chemotherapy for advanced esophageal carcinoma] Akazawa S, et al. **Gan To Kagaku Ryoho** 1984 May;11(5):1018-23 (Eng. Abstr.) **(Jpn)**

[A presumed transient hemolytic reaction following vinca alkaloids administration in patients with hematological malignancies] Iwata N, et al. **Rinsho Ketsueki** 1984 May; 25(5):649-54 (Eng. Abstr.) **(Jpn)**

BLOOD

Vinblastine pharmacokinetics measured by a sensitive enzyme-linked immunosorbent assay. Hacker MP, et al. **Cancer Res** 1984 Feb;44(2):478-81

METABOLISM

Effects of ruthenium red on accumulation and cytotoxicity of m-AMSA, vinblastine and daunorubicin in leukemia cells. Wilberding C, et al. **Biochem Pharmacol** 1984 Aug 15;33(16):2559-62

Penetration and binding of vinblastine and 5-fluorouracil in cellular spheroids. Nederman T, et al. **Cancer Chemother Pharmacol** 1984;13(2):131-5

Pharmacokinetics of vincristine, vinblastine, and vindesine in rhesus monkeys. Sethi VS, et al. **Cancer Chemother Pharmacol** 1984;12(1):31-5

Concentration of vinblastine in human intracerebral tumor and other tissues. Stewart DJ, et al. **J Neurooncol** 1983; 1(2):139-44

PHARMACODYNAMICS

Functional impairment of the primary nociceptive analyser in the course of transganglionic degenerative atrophy. Szücs A, et al. **Acta Biol Hung** 1983;34(2-3):267-73

Influence of colchicine and vinblastine on the intracellular migration of secretory and membrane glycoproteins: III. Inhibition of intracellular migration of membrane glycoproteins in rat intestinal columnar cells and hepatocytes as visualized by light and electron-microscope radioautography after 3H-fucose injection. Bennett G, et al. **Am J Anat** 1984 Aug;170(4):545-66

Influence of colchicine and vinblastine on the intracellular migration of secretory and membrane glycoproteins: I. Inhibition of glycoprotein migration in various rat cell types as shown by light microscope radioautography after injection of 3H-fucose. Bennett G, et al. **Am J Anat** 1984 Aug;170(4):521-30

Influence of colchicine and vinblastine on the intracellular migration of secretory and membrane glycoproteins: II. Inhibition of secretion of thyroglobulin in rat thyroid follicular cells as visualized by radioautography after 3H-fucose injection. Wild G, et al. **Am J Anat** 1984 Aug; 170(4):531-43

Differential effects of microtubule-altering agents on beta-cells during development. Hill RS, et al. **Am J Physiol** 1983 Oct;245(4):E391-400

Modulation of passive permeability by external ATP and cytoskeleton-attacking agents in cultured mammalian cells. Kitagawa T, et al. **Biochim Biophys Acta** 1983 Sep 21; 734(1):25-32

Microtubule-depolymerizing agents inhibit asialo-orosomucoid delivery to lysosomes but not its endocytosis or degradation in isolated rat hepatocytes. Oka JA, et al. **Biochim Biophys Acta** 1983 Dec 19;763(4):368-76

Sickling and Vinblastine. Ricci G, et al. **Biomed Pharmacother** 1983;37(2):85-7

Enhancement of doxorubicin and vinblastine sensitivity in anthracycline-resistant P388 cells. Ramu A, et al. **Cancer Treat Rep** 1983 Oct;67(10):895-9 (14 ref.)

Yields of tubulin paracrystals, vinblastine-crystals, induced in unfertilized and fertilized sea urchin eggs in the presence of D2O. Takahashi TC, et al. **Cell Struct Funct** 1984 Mar; 9(1):45-52

The effects of colchicine, vinblastine and cytochalasins on the corticotropic responsiveness and ultrastructure of inner zone adrenocortical tissue in the Pekin duck. Cronshaw J, et al. **Cell Tissue Res** 1984;236(2):333-8

Factors involved in the sensitivity of Stentor to colchicine, lumicolchicine, and vinblastine sulfate. Burchill BR, et al. **Eur J Cell Biol** 1983 Sep;31(2):205-11

Primary cultures of rat hepatocytes as a model system of canalicular development, biliary secretion, and intrahepatic cholestasis. IV. Disintegration of bile canaliculi and disturbance of tight junction formation caused by vinblastine. Robenek H, et al. **Eur J Cell Biol** 1983 Sep; 31(2):283-9

Different effects of neonatal vinblastine on peripheral and central noradrenaline neurons. Zieher LM, et al. **Eur J Pharmacol** 1983 Sep 16;93(1-2):101-6

Nuclear elongation of dissociated newt spermatids in vitro and their nuclear shortening by antimicrotubule agents. Abé S, et al. **Exp Cell Res** 1984 Sep;154(1):243-55

Effects of colchicine, vinblastine and nocodazole on polarity, motility, chemotaxis and cAMP levels of human

polymorphonuclear leukocytes. Keller HU, et al. **Exp Cell Res** 1984 Jul;153(1):173–85

Vinblastine paracrystals from cultured cells are calcium-stable. Manfredi JJ, et al. **Exp Cell Res** 1984 Jan; 150(1):205–12

Extrusion of nuclei of murine suspension culture cells with microtubule poisons. Mori Y, et al. **Exp Cell Res** 1984 Aug; 153(2):574–80

Vinblastine-induced autophagocytosis: the effect of disorganization of microfilaments by cytochalasin B. Hirsimäki Y, et al. **Exp Mol Pathol** 1984 Feb;40(1):61–9

Effects of vinblastine in the frog neuromuscular junction during repetitive stimulation. Ruzzier F, et al. **Exp Neurol** 1984 Jun;84(3):671–80

Fluorescence microscopy study of the effect of vinblastine and cycloheximide on adrenergic neurons in the cat autonomic ganglion. Mentel J, et al. **Folia Morphol (Praha)** 1984;32(2):146–8

Ultrastructural changes induced by vinblastine in vitro in the cells of the inferior mesentric ganglion of the cat. Polónyi J, et al. **Folia Morphol (Praha)** 1983;31(4):369–72

Reduced effect of microtubule inhibitors on hepatic protein secretion in the fetal rat. Kaufman SS, et al. **Gastroenterology** 1984 Feb;86(2):236–42

Studies on vinblastine-induced autophagocytosis in mouse liver. IV. Origin of membranes. Reunanen H, et al. **Histochemistry** 1983;79(1):59–67

Vinblastine and vincristine—growth-inhibitory effects correlate with their retention by cultured Nb 2 node lymphoma cells. Gout PW, et al. **Int J Cancer** 1984 Aug 15;34(2):245–8

Antitumor activity of vinzolidine in the human tumor clonogenic assay and comparison with vinblastine. Takasugi BJ, et al. **Invest New Drugs** 1984;2(1):49–53

Effects of prolonged antitubulin culture on annulate lamellae in mouse alpha L929 fibroblasts. Kessel RG, et al. **J Morphol** 1984 Mar;179(3):291–304

Effects of prolonged antitubulin culture on the ultrastructure of anterior limb bud cells of the chick embryo. Kessel RG, et al. **J Morphol** 1984 Mar;179(3):263–71

Effects of c-AMP, caffeine, theophylline, and vinblastine on spontaneous transmitter release at locust nerve-muscle junctions. Fahim MA, et al. **J Neurobiol** 1983 Sep; 14(5):391–7

Alterations in the structure, function, and chemistry of C fibers following local application of vinblastine to the sciatic nerve of the rat. Fitzgerald M, et al. **J Neurosci** 1984 Feb;4(2):430–41

Vinblastine-induced crystals in Toxoplasma. Porchet E. **J Parasitol** 1984 Feb;70(1):158–60

Role of the cytoskeleton in secretory processes: lacrimal and salivary glands. Rossignol B, et al. **Methods Enzymol** 1983; 98:175–82

Membrane protein phosphorylation in vinblastine-treated intact human red cells with stomatocytosis and increased sodium influx. Miyashima K, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Feb;47(1):1–10

THERAPEUTIC USE

Determinants of intrinsic sensitivity to Vinca alkaloids in xenografts of pediatric rhabdomyosarcomas. Houghton JA, et al. **Cancer Res** 1984 Feb;44(2):582–90

Chemotherapy for multifocal eosinophilic granuloma of bone. Marshall ME. **J Ky Med Assoc** 1983 Aug;81(8):617–20

Transplantation of human renal cell carcinoma into NMRI nu/nu mice. II. Evaluation of response to vinblastine sulfate monotherapy. Otto U, et al. **J Urol** 1984 Jan;131(1):134–8

In vitro assessment of cytotoxic agents in murine cancers: comparison between antiproliferative and antimetabolic assays. Roobol C, et al. **JNCI** 1984 Mar;72(3):661–6

TOXICITY

Pharmacokinetics and toxicity of 5-day continuous infusion of vinblastine. Young JA, et al. **Cancer Chemother Pharmacol** 1984;12(1):43–5

Differential activity of vincristine and vinblastine against cultured cells. Ferguson PJ, et al. **Cancer Res** 1984 Aug; 44(8):3307–12

Effects of vinblastine and 5-fluorouracil on human glioma and thyroid cancer cell monolayers and spheroids. Nederman T. **Cancer Res** 1984 Jan;44(1):254–8

A fine structural study of the formation of temporary swellings (Herring bodies) and reversible degeneration of neurosecretory axons following microiontophoretic ejection of vinblastine into the hypothalamo-neurohypophysial tract of the frog (Rana pipiens). Chang AC, et al. **Exp Brain Res** 1984;53(2):357–69

Immunological detection of microtubule poison-induced conformational changes in tubulin. Morgan JL, et al. **J Biol Chem** 1983 Nov 10;258(21):13127–33

Imbalance of total cellular nucleotide pools and mechanism of the colchicine-induced cell activation. Chou IN, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2401–5

Experimental induction of two inner cell masses in mouse embryos by vinblastine treatment in vitro. Naruse I, et al. **Teratology** 1983 Oct;28(2):215–8

Effect of an anticancer agent, vinblastine, on mouse skin. Fujita J, et al. **Toxicol Lett** 1984 Aug;22(2):261–6

VINCA ALKALOIDS

ADMINISTRATION & DOSAGE

Potentiation of the anticonvulsant effects of antiepileptic drugs by 'nootropics'; a potential new therapeutic approach. Mondadori C, et al. **Acta Neurol Scand [Suppl]** 1984;99:131–2

Slow infusion of vinca alkaloids in the treatment of idiopathic thrombocytopenic purpura. Ahn YS, et al. **Ann Intern Med** 1984 Feb;100(2):192–6

Whatever happened to vinca-loaded platelets? Rosse WF. **N Engl J Med** 1984 Apr 19;310(16):1051–2

[Comparative study of the in vitro availability of vincamine from delayed-release forms. 1.] Rolland A, et al. **J Pharm Belg** 1984 Mar-Apr;39(2):93–9 (Eng. Abstr.) **(Fre)**

[Combination therapy of vinca alkaloids and nicardipine in non-Hodgkin's lymphoma with resistant to various antineoplastic agents] Honda T, et al. **Gan To Kagaku Ryoho** 1983 Nov;10(11):2330–4 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Acute bronchospasm after a vinca alkaloid in patients previously treated with mitomycin [letter] Dyke RW. **N Engl J Med** 1984 Feb 9;310(6):389

[The effect of Cavinton on patients susceptible to arrhythmia studied by ECG monitoring] Perényi T, et al. **Orv Hetil** 1983 Nov 20;124(47):2875–6 (Eng. Abstr.) **(Hun)**

ANALYSIS

Determination of vincamine by high-performance liquid chromatography with dual-wavelength ultraviolet detection. Amato A, et al. **J Chromatogr** 1983 Nov 18; 270:387–91

[Determination of vincamine in Vinca minor] He LY, et al. **Yao Hsueh Hsueh Pao** 1983 Dec;18(12):925–8 (Eng. Abstr.) **(Chi)**

CHEMICAL SYNTHESIS

[Synthesis of 1-ethyl-1,2,3,4,6,7-hexahydroindolo-[2,3a]-quinolizinium perchlorate, a key intermediate of vincamine] Chen GX, et al. **Yao Hsueh Hsueh Pao** 1983 Jul;18(7):507–13 (Eng. Abstr.) **(Chi)**

METABOLISM

Chromatographic analysis of Vinca alkaloids in human neoplastic tissues and host (mouse) tissues after injection in vivo or after incubation in vitro. Houghton JA, et al. **Anal Biochem** 1983 Oct 15;134(2):450–4

Pharmacokinetics of vinpocetine and apovincaminic acid in patients with impaired renal function. Miskolczi P, et al. **Eur J Drug Metab Pharmacokinet** 1984 Apr-Jun; 9(2):169–75

Pharmacokinetic study of two pharmaceutical preparations containing alkaloid vincamine administered orally to human subjects. Millart H, et al. **Int J Clin Pharmacol Ther Toxicol** 1983 Nov;21(11):581–6

Energy-dependent reduced drug binding as a mechanism of Vinca alkaloid resistance in human leukemic lymphoblasts. Beck WT, et al. **Mol Pharmacol** 1983 Nov;24(3):485–92

PHARMACODYNAMICS

Functional impairment of the primary nociceptive analyser in the course of transganglionic degenerative atrophy. Szücs A, et al. **Acta Biol Hung** 1983;34(2–3):267–73

Cellular pharmacology of Vinca alkaloid resistance and its circumvention. Beck WT. **Adv Enzyme Regul** 1984; 22:207–27

Vinca alkaloids and platelet function [letter] Steinherz P. **Ann Intern Med** 1984 Oct;101(4):570

Cerebral circulatory and cardiac effects of vinpocetine and its metabolite, apovincaminic acid, in anesthetized dogs. Imamoto T, et al. **Arzneimittelforsch** 1984;34(2):161–9

Effects of vinpocetine on cyclic nucleotide metabolism in vascular smooth muscle. Hagiwara M, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):453–7

The effect of vinca alkaloids in enhancing the sensitivity of a methotrexate-resistant (L1210/R7A) line, studied by flow cytometric and chromosome number analysis. McGown AT, et al. **Cancer Chemother Pharmacol** 1984;13(1):47–53

Collateral sensitivity of a methotrexate-resistant L1210 cell line to the vinca alkaloids. Poppitt DG, et al. **Cancer Chemother Pharmacol** 1984;13(1):43–6

The use of a fluorescent methotrexate probe to monitor the effects of three vinca alkaloids on a mixed population of parental L1210 and gene-amplified methotrexate-resistant cells by flow cytometry. Poppitt DG, et al. **Cancer Chemother Pharmacol** 1984;13(1):54–7

Vinca alkaloid-resistant phenotype in cultured human leukemic lymphoblasts. Beck WT. **Cancer Treat Rep** 1983 Oct;67(10):875–82 (58 ref.)

Increase of serum iron concentrations in rhesus monkeys and humans on administration of vincristine, vinblastine, or vindesine [letter] Sethi VS, et al. **Cancer Treat Rep** 1984 Jun;68(6):933–6

Reversal of acquired resistance to vinca alkaloids and anthracycline antibiotics. Tsuruo T. **Cancer Treat Rep** 1983 Oct;67(10):889–94 (15 ref.)

The effect of N-formylleurosine on DNA synthesis of Ehrlich ascites tumor. Pokorny E, et al. **Eur J Cancer Clin Oncol** 1983 Aug;19(8):1113–9

Calcium antagonistic action involved in vasodilation by brovincamine. Katsuragi T, et al. **Gen Pharmacol** 1984; 15(1):43–5

Antitumor activity of vinzolidine in the human tumor clonogenic assay and comparison with vinblastine. Takasugi BJ, et al. **Invest New Drugs** 1984;2(1):49–53

Catharanthus alkaloids, XXXVIII. Confirming structural evidence and antineoplastic activity of the bisindole alkaloids leurosine-N'b-oxide (pleurosine), roseadine and vindolicine from Catharanthus roseus. El-Sayed A, et al. **J Nat Prod** 1983 Jul-Aug;46(4):517–27

Effects of brovincamine on the autonomic nervous function in the dog and rat. Kushiku K, et al. **J Pharmacobiodyn** 1984 Mar;7(3):177–85

Mechanism of resistance to anthracyclines and vinca alkaloids. Danø K, et al. **Prog Clin Biol Res** 1983; 132C:231–46

The effect of Cavinton on cerebrovascular resistance and its use in ophthalmological patients. A double-blind trial. Imre G, et al. **Ther Hung** 1981;29(3):120–3

[Reversal of acquired resistance to vinca alkaloids and anthracycline antibiotics by calcium channel blockers and calmodulin inhibitors] Tsuruo T. **Gan To Kagaku Ryoho** 1984 Mar;11(3 Pt 2):750–9 (Eng. Abstr.) **(Jpn)**

[Mechanism of the vasodilator action of kavinton on the cerebral vessels] Plotnikov MB, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):36–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Vinca alkaloids for idiopathic thrombocytopenic purpura [letter] Pillai MV, et al. **Ann Intern Med** 1984 Jul; 101(1):149–50

Experimental assessment of selected antimotion drugs. Matsnev EI, et al. **Aviat Space Environ Med** 1984 Apr; 55(4):281–6

Phase I trial of vinzolidine. Budman DR, et al. **Cancer Treat Rep** 1984 Jul-Aug;68(7-8):979–82

Chemosensitizers counteracting acquired resistance to anthracyclines and vinca alkaloids in vivo. A new treatment principle. Skovsgaard T, et al. **Cancer Treat Rev** 1984 Mar; 11 Suppl A:63–72 (87 ref.)

The effects of vincamine on experimental cerebral infarction in Mongolian gerbils: a pilot study. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1984 Mar;6(3):131–4

Treatment of terminal pain in cancer patients by means of iontophoresis of vinca alkaloids. Szücs A, et al. **Recent Results Cancer Res** 1984;89:185–9

[Study of 2 antianoxic agents by a method of decreased barometric pressure: demonstration of a different rate of action] Truchaud M. **Ann Pharm Fr** 1983;41(4):321–6 (Eng. Abstr.) **(Fre)**

[Treatment of cerebrovascular deficiencies. Therapeutic evaluation from 129 cases using the double-blind method against placebo] Bargheon J, et al. **Sem Hop Paris** 1984 Jan 26;60(3):169–74 (Eng. Abstr.) **(Fre)**

[Controlled multicenter clinical studies on the effect of (-)eburnamonine versus placebo in patients with chronic senile cerebral insufficiency of medium significance] Aveni-Casucci MA, et al. **G Clin Med** 1983 Sep-Oct; 64(9–10):372–94 (Eng. Abstr.) **(Ita)**

[Role of psychophysiologic characteristics of patients in the efficacy of treatment with cavinton] Lil'in ET, et al. **Sov Med** 1983;(10):111–3 **(Rus)**

VINCALEUKOBLASTINE see **VINBLASTINE**

VINCAMINE see under **VINCA ALKALOIDS**

VINCENT'S INFECTION see **GINGIVITIS, NECROTIZING ULCERATIVE**

VINCRISTINE

ADMINISTRATION & DOSAGE

Slow infusion of vinca alkaloids in idiopathic thrombocytopenic purpura [letter] Manoharan A. **Ann Intern Med** 1984 Jun;100(6):921

Preirradiation chemotherapy for advanced head and neck carcinomas. Kukla LJ, et al. **Arch Otolaryngol** 1984 Feb; 110(2):78–81

Hepatic intra-arterial infusion of vincristine. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1984;13(2):120–2

Vincristine-loaded platelet therapy for idiopathic thrombocytopenia in a dog. Helfand SC, et al. **J Am Vet Med Assoc** 1984 Jul 15;185(2):224–6

Vinca-loaded platelets [letter] **N Engl J Med** 1984 Aug 30; 311(9):599–601

A case of terminal deoxynucleotidyl transferase- and Philadelphia chromosome-positive acute leukemia with heterogenous blasts, which responded poorly to vincristine and prednisolone therapy. Ohyashiki K, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Jul;46(4):900–6

[Primary chemotherapy combining vincristine, bleomycin, methotrexate and cisplatin systemically or intra-arterially in cancers of the upper respiratory and digestive tracts]

Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(8):567–75 (Eng. Abstr.) **(Fre)**

[A randomized controlled study on vindesine and vincristine in combination with prednisolone in the treatment of adult acute lymphocytic leukemia and blastic crisis of chronic myeloid leukemia] **Gan To Kagaku Ryoho** 1983 Dec; 10(12):2500–8 (Eng. Abstr.) **(Jpn)**

[Experimental combination chemotherapy with vincristine and carboquone in human ovarian cancer transplanted into nude mice] Nakata H.
Nippon Sanka Fujinka Gakkai Zasshi 1983 Nov; 35(11):1991–8 (Eng. Abstr.) **(Jpn)**

[Effect of vincristine, administered to rats in the second half of pregnancy, on myelination of the corpus callosum] Godlewski A. **Neuropatol Pol** 1983;21(2):231–9 (Eng. Abstr.) **(Pol)**

[2 cases of successful treatment of gastric lymphoma by means of polychemotherapy] Borisov VI, et al.
Sov Med 1984;(3):118–9 **(Rus)**

[Platelets loaded with vinblastine or vincristine in idiopathic thrombocytopenic purpura. Prognostic factors] Ambriz Fernández R, et al. **Rev Invest Clin** 1983 Jul–Sep; 35(3):213–9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Functional abnormalities in vincristine-induced night blindness. Ripps H, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):787–94

Unilateral seizures following vincristine intravenous injection. Dallera F, et al. **Tumori** 1984 Jun 30;70(3):243–4

[Severe neurological toxicity (coma, convulsions, distal motor neuropathy) secondary to the association of accidental poisoning by isoniazid and a protocol containing high doses of vincristine] Frappaz D, et al. **Pediatrie** 1984 Mar;39(2):133–40 (Eng. Abstr.) **(Fre)**

[A presumed transient hemolytic reaction following vinca alkaloids administration in patients with hematological malignancies] Iwata N, et al. **Rinsho Ketsueki** 1984 May; 25(5):649–54 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pharmacokinetics of vincristine, vinblastine, and vindesine in rhesus monkeys. Sethi VS, et al.
Cancer Chemother Pharmacol 1984;12(1):31–5

PHARMACODYNAMICS

Functional impairment of the primary nociceptive analyser in the course of transganglionic degenerative atrophy. Szücs A, et al. **Acta Biol Hung** 1983;34(2–3):267–73

The effects of low-dose vincristine on megakaryocyte colony-forming cells and megakaryocyte ploidy. Harris RA, et al. **Br J Haematol** 1984 May;57(1):37–48

The action of two Vinca alkaloids on B16 melanoma in vitro. Donoso JA, et al. **Cancer Biochem Biophys** 1984 Jun; 7(2):133–45

Effect of human fibroblast interferon on the antiviral activity of mammalian cells treated with bleomycin, vincristine, or mitomycin C. Suhadolnik RJ, et al. **Cancer Res** 1983 Nov; 43(11):5462–6

Acquisition of multiple drug resistance by CCRF-CEM cells selected for different degrees of resistance to vincristine. Conter V, et al. **Cancer Treat Rep** 1984 Jun;68(6):831–9

Reproductive potential of vincristine-treated multinucleate carcinoma cells. Tennyson GS, et al. **Cancer Treat Rep** 1983 Dec;67(12):1113–4

The metaphase-arrest technique applied to human cervical epithelium. I. Technique and dose-response studies. Ireland D, et al. **Cell Tissue Kinet** 1984 Sep;17(5):509–14

Resistance to actinomycin D and to vincristine induced in a SEWA mouse tumor cell line with concomitant appearance of double minutes and a low molecular weight protein. Dahllöf B, et al. **Exp Cell Res** 1984 Jun; 152(2):415–26

Effects of vincristine sulfate on touch dome function in the rat. Leon J, et al. **Exp Neurol** 1984 May;84(2):283–91

Inhibitory influence of methotrexate and vincristine on the release of cobalophilins from polymorphonuclear granulocytes. Hansz J, et al. **Folia Haematol (Leipz)** 1984; 111(1):20–6

The effect of vincristine on enzymatic activity in the brain. Kozik MB, et al. **Folia Histochem Cytochem (Krakow)** 1983; 21(3–4):187–94

Enhancement of antiproliferation activity of vincristine and adriamycin by interferon. Kataoka T, et al. **Gann** 1984 Jun; 75(6):548–56

Vincristine-resistant P388 leukemia cells contain a large amount of calcium. Tsuruo T, et al. **Gann** 1983 Oct; 74(5):619–21

Establishment and properties of vincristine-resistant human myelogenous leukemia K562. Tsuruo T, et al. **Gann** 1983 Oct;74(5):751–8

Vinblastine and vincristine—growth-inhibitory effects correlate with their retention by cultured Nb 2 node lymphoma cells. Gout PW, et al. **Int J Cancer** 1984 Aug 15;34(2):245–8

Comparative investigations on the effect of the phase-specific drug vincristine (VCR) on the proliferation kinetics of a solid experimental tumor. Féaux de Lacroix W, et al.
J Cancer Res Clin Oncol 1983;106(3):187–91

Ultrastructural changes in the cementoblasts of rat molars after injection of vincristine. Takuma S, et al.
J Dent Res 1984 Sep;63(9):1108–15

Immediate and delayed effects of vincristine administered during early postimplantation stages of murine embryogenesis. Wan YJ, et al. **J Exp Zool** 1983 Jul; 227(1):49–55

Inhibition of interferon yield by vincristine. Gorse GJ, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):309–13

[Activating effect of adrenaline, prednisolone and vincristine in the late periods of tick-borne encephalitis virus persistence] Frolova TV, et al. **Vopr Virusol** 1984 Jan–Feb; 29(1):103–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Response to vincristine treatment in a case of idiopathic hypereosinophilic syndrome with multiple clinical manifestations. Cofrancesco E, et al.
Acta Haematol (Basel) 1984;72(1):21–5

Treatment of advanced non-Hodgkin's lymphoma with vincristine infusion. Jackson DV Jr, et al. **Cancer** 1984 Jun 15;53(12):2601–6

Determinants of intrinsic sensitivity to Vinca alkaloids in xenografts of pediatric rhabdomyosarcomas. Houghton JA, et al. **Cancer Res** 1984 Feb;44(2):582–90

Phase II chemotherapy trials of 5-FU, cyclophosphamide, ifosfamide, and vincristine in carcinoma of the bilharzial bladder. Gad-el-Mawla N, et al. **Cancer Treat Rep** 1984 Feb;68(2):419–21

Comparison of vincristine and vindesine in the treatment of inoperable non-small cell bronchial carcinoma. Jewkes J, et al. **Cancer Treat Rep** 1983 Dec;67(12):1119–21

Identification of differential drug responses and mechanism(s) of resistance in vincristine-resistant cell lines developed either by exposure to the drug or to fractionated radiation. Hill BT, et al. **Cancer Treat Rev** 1984 Mar;11 Suppl A:73–9

Cross-resistance of vincristine-resistant sublines of P388 leukemia to mitoxantrone with special emphasis on the relationship between in vitro and in vivo cross-resistance. Inaba M, et al. **Gann** 1984 Jul;75(7):625–30

Studies on the use of antimitotic drugs entrapped within liposomes and of their action on a human glioma cell line. Firth G, et al. **J Neurol Sci** 1984 Feb;63(2):153–65

Treatment of unresectable pancreatic carcinoma with 5-fluorouracil, vincristine, and CCNU. Andrén-Sandberg A, et al. **Scand J Gastroenterol** 1983 Jul;18(5):609–12

Management of unresectable Wilms tumor. Broecker BH, et al. **Urology** 1984 Aug;24(2):170–4

[Diffuse superficial nephroblastomatosis. Chemotherapy. 1 case] Lutz P, et al. **Presse Med** 1983 Oct 1;12(34):2097–100 (Eng. Abstr.) **(Fre)**

[Effect of thioctic acid (alpha-limpoic acid) on the chemotherapeutic efficacy of cyclophosphamide and vincristine sulfate] Berger M, et al. **Arzneimittelforsch** 1983; 33(9):1286–8 (Eng. Abstr.) **(Ger)**

[Comparative studies on the immunostimulation by whole-body irradiation or vincristine sulphate] Dietz R, et al. **Strahlentherapie** 1983 Oct;159(10):629–32 (Eng. Abstr.) **(Ger)**

[Platelet immunoglobulins in immune thrombopenic purpura (letter)] Muñoz Sanz A, et al. **Med Clin (Barc)** 1984 May 19;82(19):869 **(Spa)**

TOXICITY

Ultrastructural observations on the vincristine-induced neuronal crystalloid inclusion in young rats. Sato M, et al. **Acta Neuropathol (Berl)** 1984;63(2):150–9

Decreased cell kill of vincristine and methotrexate against 9L rat brain tumor cells in vitro caused by alpha-difluoromethylornithine-induced polyamine depletion. Alhonen-Hongisto L, et al. **Cancer Res** 1984 Oct; 44(10):4440–2

Differential activity of vincristine and vinblastine against cultured cells. Ferguson PJ, et al. **Cancer Res** 1984 Aug; 44(8):3307–12

Effects of quinidine and related compounds on cytotoxicity and cellular accumulation of vincristine and adriamycin in drug-resistant tumor cells. Tsuruo T, et al.
Cancer Res 1984 Oct;44(10):4303–7

Histoenzymatic and morphometric changes occurring in nerve cells of gyrus cinguli following treatment of young rats with vincristine. Kozik MB, et al. **Exp Pathol** 1983; 24(4):243–52

Morphological and histochemical changes in rats brain induced by vincristine administered in early periods of postnatal development. Kozik MB, et al.
Folia Morphol (Warsz) 1983;42(3):199–216

Chemotherapeutic susceptibility of human bone marrow progenitor cells and human myelogenous leukemia cells (HL-60) in co-culture: preliminary report. Himori T, et al. **Int J Cell Cloning** 1984 Jul;2(4):254–62

Neurotoxicity of vincristine after the osmotic opening of the blood-brain barrier. Tomiwa K, et al.
Neuropathol Appl Neurobiol 1983 Sep–Oct;9(5):345–54

[Effect of vincristine on the myelination of the corpus callosum in postnatal development] Maziarz LJ.
Neuropatol Pol 1983;21(4):475–85 (Eng. Abstr.) **(Pol)**

VINYL CHLORIDE see under **VINYL COMPOUNDS**

VINYL COMPOUNDS

Cel vinyls: materials and methods. Harrison SJ.
J Biocommun 1983 Dec;10(4):24–32

Soft surgical vinyl resin obturator. Taicher S, et al.
J Prosthet Dent 1984 Jul;52(1):140

[Use of a vinyl glue in urinary cytology] Bertrand G, et al.
Arch Anat Cytol Pathol 1984;32(1):42–4 (Eng. Abstr.) **(Fre)**

[Pollution of the industrial environment by lead and cadmium compounds during production of 'viniliskozhi' products] Fedorova LI. **Gig Tr Prof Zabol** 1983 Oct;(10):51–2 **(Rus)**

ADVERSE EFFECTS

Incidence of cancer among vinyl chloride and polyvinyl chloride workers. Heldaas SS, et al. **Br J Ind Med** 1984 Feb;41(1):25–30

Vinylchloride induced hepatic angiosarcoma. Louagie YA, et al. **Br J Surg** 1984 Apr;71(4):322–3

Toxicity of vinyl chloride and poly(vinyl chloride): a critical review. Wagoner JK. **Environ Health Perspect** 1983 Oct; 52:61–6 (41 ref.)

Vinyl chloride disease-neurological disturbances. Langauer-Lewowicka H, et al.
Int Arch Occup Environ Health 1983;52(2):151–7

Vinyl chloride-induced hepatic coproporphyrinuria with transition to chronic hepatic porphyria. Doss M, et al.
Klin Wochenschr 1984 Feb 15;62(4):175–8

Relationship of vinyl monomers and liver cancers: angiosarcoma and hepatocellular carcinoma. Tamburro CH. **Semin Liver Dis** 1984 May;4(2):158–69 (53 ref.)

[Mortality caused by cancer in a residential community near a factory for the polymerization of vinyl chloride] Thériault G, et al. **Geogr Med** 1983;13:35–46 **(Fre)**

[Malformations in a residential community near a vinyl chloride factory] Thériault GP, et al. **Geogr Med** 1983; 13:25–34 **(Fre)**

ANALYSIS

[Migration of vinyl chloride monomer from polyvinylchloride materials and its regulation] Stankevich VV, et al. **Gig Sanit** 1984 Jan;(1):55–7 **(Rus)**

METABOLISM

Covalent protein binding of vinyl chloride metabolites during co-incubation of freshly isolated hepatocytes and hepatic sinusoidal cells of rats. Ottenwälder H, et al.
Arch Toxicol [Suppl] 1983;6:266–70

Evidence of chloroethylene oxide being the reactive metabolite of vinyl chloride towards DNA: comparative studies with 2,2'-dichlorodiethylether. Gwinner LM, et al.
Carcinogenesis 1983 Nov;4(11):1483–6

Thiodiglycollic acid in neonatal urine: an indication of novel metabolism, not toxic exposure to vinyl chloride [letter] Pettit BR, et al. **Lancet** 1984 Aug 11;2(8398):359

Mechanisms of formation and reactions of electrophilic intermediates of halogenated olefins. Henschler D, et al.
Prog Clin Biol Res 1983;132B:175–83

POISONING

Early hepatic histologic alterations among chemical (vinyl monomer) workers. Tamburro CH, et al. **Hepatology** 1984 May-Jun;4(3):413–8

Toxic oil syndrome (Spanish oil disease) and chemically induced scleroderma-like conditions [editorial] Rush PJ, et al. **J Rheumatol** 1984 Jun;11(3):262–4

Value of some leukocyte cytoenzymochemical investigations in detecting the noxious effects of the vinyl chloride monomer or polymer. Chircu V, et al. **Med Interne** 1983 Jul–Sep;21(3):225–9

Occupational hazards in the VC-PVC industry. Nicholson WJ, et al. **Prog Clin Biol Res** 1984;141:155–75

[Evolution of the capillaroscopic picture of capillaries of the nail bed in persons chronically exposed to vinyl chloride] Langauer-Lewowicka H, et al. **Pol Tyg Lek** 1984 Mar 19; 39(12):389–92 (Eng. Abstr.) **(Pol)**

[Characteristics of night sleep of patients with chronic occupational vinyl chloride poisoning studied by correlation analysis of electroencephalograms] Gnesina EA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):34–6 **(Rus)**

[Sexual disorders in women chronically exposed to methylmethacrylate and vinyl chloride] Makarov IA, et al. **Gig Tr Prof Zabol** 1984 Mar;(3):22–7 (Eng. Abstr.) **(Rus)**

[Sexual disorders in male workers occupationally exposed to methylmethacrylate and vinyl chloride] Makarov IA. **Gig Tr Prof Zabol** 1984 Jun;(6):19–23 (Eng. Abstr.) **(Rus)**

TOXICITY

Neoplastic effect of vinyl chloride in mouse lung—lower doses and short-term exposure. Suzuki Y. **Environ Res** 1983 Oct;32(1):91–103

Sensitive flame-photometric-detector analysis of thiodiglycolic acid in urine as a biological monitor of vinyl chloride. Chen ZY, et al.
Int Arch Occup Environ Health 1983;52(3):281–4

Activity of vinyl chloride monomer in the mouse micronucleus assay. Richardson CR, et al. **Mutat Res** 1983 Nov;122(2):139–42

Carcinogenicity and epidemiological profile analysis of vinyl chloride and polyvinyl chloride. Kalmaz EE, et al.

Regul Toxicol Pharmacol 1984 Mar;4(1):13–27 (81 ref.)
[Evaluation of the liver function in workers of the vinyl resin plant] Kalemba K. **Med Pr** 1983;34(3):211–7 (Eng. Abstr.) **(Pol)**
[Immune complexes in the serum of persons occupationally exposed to vinyl chloride] Bogdanikowa B, et al. **Przegl Lek** 1984;41(3):253–7 (Eng. Abstr.) **(Pol)**
[Effect of vinyl acetate on the microsomal enzyme activity of the liver of rats] Holub I. **Przegl Lek** 1983;40(6):515–6 (Eng. Abstr.) **(Pol)**

VIOLENCE

see related
RIOTS

The academia, the pseudo-community, and the army in the development of identity. Rothstein DA.
Adolesc Psychiatry 1983;11:35–63
Maltreatment of adolescents: the relationship to a predisposition toward violent behavior and delinquency. Paperny DM, et al. **Adolescence** 1983 Fall;18(71):499–506 (30 ref.)
Coping with domestic violence: social support and psychological health among battered women. Mitchell RE, et al. **Am J Community Psychol** 1983 Dec;11(6):629–54
Risk factors for victimization during the 1980 riot at the Penitentiary of New Mexico. Lapham SC, et al.
Am J Epidemiol 1984 Feb;119(2):218–26
The paradoxical impact of a commitment statute on prediction of dangerousness. Beigel A, et al.
Am J Psychiatry 1984 Mar;141(3):373–7
Victims of violence and psychiatric illness. Carmen EH, et al. **Am J Psychiatry** 1984 Mar;141(3):378–83
The prediction of violent behavior: toward a second generation of theory and policy. Monahan J.
Am J Psychiatry 1984 Jan;141(1):10–5
Psychiatrists' judgments of dangerousness in patients on an acute care unit. Werner PD, et al. **Am J Psychiatry** 1984 Feb;141(2):263–6
Propranolol in the treatment of rage and violent behavior associated with Korsakoff's psychosis. Yudofsky SC, et al. **Am J Psychiatry** 1984 Jan;141(1):114–5
Violence in the family as a disorder of the attachment and caregiving systems. Bowlby J. **Am J Psychoanal** 1984 Spring;44(1):9–27, 29–31
Presidential address. Crime and violence in America. The victims. Siegel M. **Am Psychol** 1983 Dec;38(12):1267–73
Domestic violence: a new priority for emergency medicine [editorial] Knopp RK. **Ann Emerg Med** 1984 Aug;13(8):636
Mental disorder and dangerousness. Mullen PE.
Aust NZ J Psychiatry 1984 Mar;18(1):8–17 (65 ref.)
The reliability of dangerousness assessments. A decision making exercise. Montandon C, et al. **Br J Psychiatry** 1984 Feb;144:149–55
Relationships between measures of direct and indirect hostility and self-destructive behaviour by hospitalized schizophrenics. Yesavage JA. **Br J Psychiatry** 1983 Aug; 143:173–6
Bipolar illness: correlates of dangerous inpatient behaviour. Yesavage JA. **Br J Psychiatry** 1983 Dec;143:554–7
Perceptions of television violence: effects of programme genre and type of violence on viewers' judgements of violent portrayals. Gunter B, et al. **Br J Soc Psychol** 1984 Jun;23 (Pt 2):155–64
Violence and psychosis. II—Effect of psychiatric diagnosis on conviction and sentencing of offenders. Taylor PJ, et al. **Br Med J [Clin Res]** 1984 Jul 7;289(6436):9–12
Violence and psychosis. I. Risk of violence among psychotic men. Taylor PJ, et al. **Br Med J [Clin Res]** 1984 Jun 30; 288(6435):1945–9
Violence and mental illness [editorial] Weller M.
Br Med J [Clin Res] 1984 Jul 7;289(6436):2–3
Plasma androgens in violent and nonviolent sex offenders. Rada RT, et al. **Bull Am Acad Psychiatry Law** 1983; 11(2):149–58
Clinical predictions of dangerousness: two-year follow-up of 408 pre-trial forensic cases. Sepejak D, et al.
Bull Am Acad Psychiatry Law 1983;11(2):171–81
A survey of drugs used in the management of assaultive inpatients. Tardiff K. **Bull Am Acad Psychiatry Law** 1983; 11(3):215–22
The reliability and validity of dangerous behavior predictions. Webster CD, et al.
Bull Am Acad Psychiatry Law 1984;12(1):41–50
How Alberta psychiatrists view commitment criteria and the problem of predicting dangerousness. Arboleda-Florez J, et al. **Can J Psychiatry** 1984 Feb;29(1):38–41
Sexual offenders, violence and testosterone: a clinical study. Bradford JM, et al. **Can J Psychiatry** 1984 Jun;29(4):335–43
Presidential address. Family violence—myths, measures and mandates. Rae-Grant Q. **Can J Psychiatry** 1983 Nov; 28(7):505–12
Sleep and violence. Raschka LB. **Can J Psychiatry** 1984 Mar; 29(2):132–4
Psychiatrists look at violence. Gilmore A.
Can Med Assoc J 1983 Nov 15;129(10):1135–8
The pattern of injuries at the University Teaching Hospital (U.T.H.) Casualty Department. Ngulube TJ.
Cent Afr J Med 1984 Mar;30(3):294–7
Adolescents in residential treatment, Hawaii, 1973–1978. Brandon V. **Hawaii Med J** 1983 Nov;42(11):372–6
The expansion of liability for patients' violent acts. Appelbaum PS. **Hosp Community Psychiatry** 1984 Jan; 35(1):13–4
Treatment planning. Dealing with the potentially violent patient who seeks help, yet refuses hospitalization. Frances A, et al. **Hosp Community Psychiatry** 1983 Aug; 34(8):679–80
A near-fatal assault on a psychiatric unit. LaBrash L, et al. **Hosp Community Psychiatry** 1984 Feb;35(2):168–9
A follow-up study of nurses' reactions to physical assault. Lanza ML. **Hosp Community Psychiatry** 1984 May; 35(5):492–4
Survey shows therapists misunderstand Tarasoff rule. Runck B. **Hosp Community Psychiatry** 1984 May;35(5):429–30
Assaultive behavior in brain-damaged men [letter] Schuster DB, et al. **Hosp Community Psychiatry** 1984 Jul;35(7):731
Liability for mental patients' crimes is increasing. Bernstein AH. **Hospitals** 1984 Feb 1;58(3):80
Hospital staff taught how to handle disruptive patients. Kribel DM, et al. **Hospitals** 1983 Nov 1;57(21):54
Human garbage and physical garbage: a sociological case example of institutional violence. Ben-Yehuda N, et al.
Int J Addict 1984 Feb;19(1):1–23
Dangerousness at Karsudden. Ertmann B, et al.
Int J Law Psychiatry 1983;6(1):125–9
Violent youth: the impact of mental health treatment. Hartstone E, et al. **Int J Law Psychiatry** 1983;6(2):207–24
The fine edge of violence. Lefer L.
J Am Acad Psychoanal 1984 Apr;12(2):253–68
Self-reported incidence of physical violence in college students. Miller KA, et al. **J Am Coll Health** 1983 Oct; 32(2):63–5
Self-defense. Helfman L. **J Am Med Wom Assoc** 1983 Sep-Oct;38(5):125, 135
Bony lacerations caused by assault. Rymaszewski LA, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):89–92
Race, violence, and psychopathology. Lawson WB, et al. **J Clin Psychiatry** 1984 Jul;45(7):294–7
An evaluation of primary alcoholics with histories of violence. Schuckit MA, et al. **J Clin Psychiatry** 1984 Jan; 45(1):3–6
Differentiating violent and nonviolent opiate-addicted reformatory inmates with the MMPI. Chick GE, et al.
J Clin Psychol 1984 Mar;40(2):619–23
View from the nation's courts. Therapist's duty to protect: how far does it go? Freishtat HW.
J Clin Psychopharmacol 1984 Apr;4(2):111–2
Neuropsychological deficits, learning disability, and violent behavior. Bryant ET, et al. **J Consult Clin Psychol** 1984 Apr;52(2):323–4
Sexual arousal to nonsexual violence and sadomasochistic themes among rapists and non sex-offenders. Quinsey VL, et al. **J Consult Clin Psychol** 1984 Aug;52(4):651–7
Reliability, accuracy, and decision-making strategy in clinical predictions of imminent dangerousness. Werner PD, et al. **J Consult Clin Psychol** 1983 Dec;51(6):815–25
Family violence. Tanay E. **J Forensic Sci** 1984 Jul; 29(3):820–4
The association between psychosis and violent crime: a study of offenders evaluated at a court psychiatric clinic. Heller MS, et al. **J Gen Psychol** 1984 Apr;110(2d Half):263–6
The relationship between the performance greater than verbal (P greater than V) sign and violent behavior in a sample of mentally retarded subjects. Roszkowski MJ.
J Genet Psychol 1983 Dec;143(2d Half):279–80
Survey of the demographic characteristics of patients requiring restraints in a psychiatric emergency service. Bell CC, et al. **J Natl Med Assoc** 1983 Oct;75(10):981–7
Ethnicity, criminality, and the Buss-Durkee Hostility Inventory. Holland TR, et al. **J Pers Assess** 1983 Aug; 47(4):375–9
Screening for disruptive behavior of institutionalized juvenile offenders. Hooper FA, et al. **J Pers Assess** 1984 Apr; 48(2):159–61
Ambient temperature and violent crime: tests of the linear and curvilinear hypotheses. Anderson CA, et al.
J Pers Soc Psychol 1984 Jan;46(1):91–7
Violent deaths among alcoholics. A descriptive study. Combs-Orme T, et al. **J Stud Alcohol** 1983 Nov; 44(6):938–49
Casualties from terrorist bombings. Cooper GJ, et al.
J Trauma 1983 Nov;23(11):955–67
Leads from the MMWR. Alcohol and violent death—Erie County, New York, 1973 to 1983. **JAMA** 1984 May 25; 251(20):2641–2
Leads from the MMWR. Violent deaths among persons 15 to 24 years of age—United States. **JAMA** 1983 Dec 16; 250(23):3147–8
Domestic violence victims in the emergency department. New findings. Goldberg WG, et al. **JAMA** 1984 Jun 22–29; 251(24):3259–64
Study of 'victimization' gains impetus worldwide [news] Ziporyn T. **JAMA** 1983 Dec 9;250(22):3019, 3023
Epilepsy and the law. Brahams D. **Lancet** 1984 Jun 30; 1(8392):1481
Increased urinary excretion of bufotenin by violent offenders with paranoid symptoms and family violence [letter] Räisänen MJ, et al. **Lancet** 1984 Sep 22;2(8404):700–1
Low cerebrospinal fluid 5-hydroxyindoleacetic acid concentration differentiates impulsive from nonimpulsive violent behavior. Linnoila M, et al. **Life Sci** 1983 Dec 26; 33(26):2609–14
Problems with the assessment of dangerousness in England and Wales. Crawford DA. **Med Law** 1984;3(2):141–50
Toward two models of psychopathic violence. Heilbrun AB Jr. **Med Law** 1984;3(2):119–25
The assessment of dangerous sexual behavior in males. Laws DR. **Med Law** 1984;3(2):127–40
Treatment of the violent offender. Saad AF. **Med Law** 1983; 2(3):231–8 (15 ref.)
Assaults on staff in a locked ward: prediction and consequences. Aiken GJ. **Med Sci Law** 1984 Jul; 24(3):199–207
Shaking as a culpable cause of subdural haemorrhage in infants. Benstead JG. **Med Sci Law** 1983 Oct;23(4):242–4
The decision process of the mental health review tribunal—2. Analysis of research findings. Hepworth D.
Med Sci Law 1983 Jul;23(3):171–82
The English special hospital—a 12–17 year follow-up study: a comparison of violent and non-violent re-offenders and non-offenders. Tennent G, et al. **Med Sci Law** 1984 Apr; 24(2):81–91
Urban violence in the USA. Thomson WA.
Med Sci Law 1984 Jan;24(1):68–9
The covert use of chemical and biological warfare against United States Strategic Forces. Hooper RR. **Milit Med** 1983 Dec;148(12):901–2
Alcohol and violent death—Erie County, New York, 1973–1983. **MMWR** 1984 May 4;33(17):226–7
Law-medicine notes. Uncertainty in prognosis of violent conduct: the Supreme Court lays down the law. Curran WJ. **N Engl J Med** 1984 Jun 21;310(25):1651–2
Epilepsy in prison: elevated prevalence and no relationship to violence. Whitman S, et al. **Neurology (NY)** 1984 Jun; 34(6):775–82
Serum cholesterol levels in homicidal offenders. A low cholesterol level is connected with a habitually violent tendency under the influence of alcohol. Virkkunen M.
Neuropsychobiology 1983;10(2–3):65–9
The innocent bystander: the child as unintended victim of domestic violence involving deadly weapons. Nelson KG.
Pediatrics 1984 Feb;73(2):251–2
The angry elderly patient. An approach to understanding. Morrant JC, et al. **Postgrad Med** 1983 Dec;74(6):93–5, 98–100, 102
Neuropsychiatric vulnerabilities and violent juvenile delinquency. Lewis DO. **Psychiatr Clin North Am** 1983 Dec;6(4):707–14
Hazards to the therapist in the treatment of multiple personalities. Watkins JG, et al.
Psychiatr Clin North Am 1984 Mar;7(1):111–9
Approaches to the management of the acutely psychotic patient. Ban TA, et al. **Psychiatr J Univ Ottawa** 1984 Mar; 9(1):36–41
Serum creatine phosphokinase levels and assaultive behaviour of psychotic patients. Isaacs JS, et al. **Psychol Med** 1984 Feb;14(1):229–31
Personality in assaultive and non-assaultive juvenile male offenders. Berman T, et al. **Psychol Rep** 1984 Apr; 54(2):527–30
Profile of dangerous and non-dangerous offenders referred for pre-trial psychiatric assessment. Valliant PM, et al.
Psychol Rep 1984 Apr;54(2):411–8
Movie-inspired violence. Wilson W, et al. **Psychol Rep** 1983 Oct;53(2):435–41
The motivation for violence among adolescents. Hemming J. **Public Health** 1983 Nov;97(6):324–9
'Mobbing': a symposium organized by the Medical Officers of Schools Association and held at 11 Chandos Street, London W1 on 20 May 1982. Orton WT. **Public Health** 1983 Nov;97(6):314–5
Mobbing in an independent secondary boarding school and the reaction of the staff to it. Sparks JP. **Public Health** 1983 Nov;97(6):316–9
Brutalization or failure to tame. Williams AH.
Public Health 1983 Nov;97(6):320–3
Health promotion: Control of stress and violent behavior. **Public Health Rep** 1983 Sep-Oct;Suppl:167–76
The 1990 objectives for the nation for control of stress and violent behavior: progress report. Silver BJ, et al.
Public Health Rep 1984 Jul-Aug;99(4):374–84
Aggression and violence between siblings. Felson RB.
Soc Psychol Q 1983 Dec;46(4):271–85
Public health and cost implications of suicide, homicide, and criminal violence. Houk VW. **Tex Med** 1983 Sep;79(9):6–7
Family violence. Justice B. **Tex Med** 1983 Aug;79(8):43–7
Health, medicine, and violence on TV. Gerbner G.
Trans Stud Coll Physicians Phila 1984 Mar;6(1):33–40
Ocular injuries following assault in Lesotho. Gordon YJ, et al. **Trop Doct** 1984 Jan;14(1):30–1
Violence in medical settings. Alverno L. **Wis Med J** 1984 Apr;83(4):30–3
[Accidents due to violence in Arhus over the period of a year. II. Violence and women] Charles AV, et al.
Ugeskr Laeger 1983 Dec 12;145(50):3934–8 (Eng. Abstr.) **(Dan)**
[Accidents due to violence in Arhus over a period of a year. IV. Injuries caused by violence] Grymer F, et al.
Ugeskr Laeger 1984 Feb 20;146(8):613–6 (Eng. Abstr.) **(Dan)**
[Violence in Narssaq, South Greenland] Hovesen J, et al.
Ugeskr Laeger 1983 Aug 8;145(32):2460–2 (Eng. Abstr.) **(Dan)**
[Accidents due to violence in Arhus over a pereiod of a year. III. Violence and alcohol] Møller-Madsen B, et al.

Ugeskr Laeger 1984 Feb 20;146(8):608–12 (Eng. Abstr.) (Dan)
[Accidents due to violence in Arhus over the period of a year. I. Review and extent of violence] Nielsen J, et al. Ugeskr Laeger 1983 Dec 12;145(50):3929–34 (Eng. Abstr.) (Dan)
[Self-defense. Legitimate defense or legitimized violence] Debaisieux T, et al. Ann Med Psychol (Paris) 1983 Jul–Aug; 141(7):777–83 (Fre)
[The psychiatrist and terrorism] Jarret R, et al. Ann Med Psychol (Paris) 1984 Feb;142(2):248–54 (Fre)
[Chronic depressive state caused by decompensation after an airplane hijacking] Vidart L, et al. Ann Med Psychol (Paris) 1984 Feb;142(2):274–7 (Fre)
[Epidemiology of violent deaths in Switzerland over a period of 10 years. A worrisome development among adolescents and young adults] Michaud PA. Schweiz Med Wochenschr 1984 Feb 4;114(5):172–7 (Eng. Abstr.) (Fre)
[The problem of violence in adolescence] Barker M, et al. Union Med Can 1983 Aug;112(8):675–8, 680 (Eng. Abstr.) (Fre)
[Violence in the relations between the sexes] Schorsch E. Beitr Sexualforsch 1984;59:108–12 (Ger)
[Crimes of affect] Sass H. Nervenarzt 1983 Nov;54(11):557–72 (Ger)
[A new educational theme in social medicine: Can knowledge prevent violence in the family?] Hydle I, et al. Nord Med 1984;99(2):56–9 (Nor)
[Disease and violence: social behavior disorders as a response to communicable disease] da Cruz Tiriba A. Rev Paul Med 1983 Nov–Dec;101(6):245–7 (Por)

PSYCHOLOGY

Violence. Creps JR. Henry Ford Hosp Med J 1983; 31(3):162–6

VIOLOGENS see under **PYRIDINIUM COMPOUNDS**

VIOMYCINS

TOXICITY

Antibacterial activity of palmitoyltuberactinamine N and di-beta-lysylcapreomycin IIA. Yamada T, et al. J Antibiot (Tokyo) 1983 Dec;36(12):1729–34

VIPER VENOMS

[Serum therapy after viper bites] Persson H, et al. Lakartidningen 1984 Jul 25;81(30–31):2752 (Swe)

ANALYSIS

A potent platelet aggregation inducer from Trimeresurus gramineus snake venom. Ouyang C, et al. Biochim Biophys Acta 1983 Dec 13;761(2):126–34
The primary structure of Vipera ammodytes venom trypsin inhibitor I. Ritonja A, et al. Biochim Biophys Acta 1983 Nov 14;748(3):429–35
Biphasic effect on platelet aggregation by phospholipase a purified from Vipera russellii snake venom. Teng CM, et al. Biochim Biophys Acta 1984 May 30;772(3):393–402
Purification and properties of the main coagulant and anticoagulant principles of Vipera russellii snake venom. Teng CM, et al. Biochim Biophys Acta 1984 May 17; 786(3):204–12
Deviation from Michaelis-Menten kinetics for esterase E-II from the venom of Bitis gabonica, using synthetic arginine amides as substrates. Cloete F, et al. Toxicon 1983; 21(6):857–69
Isolation and pharmacological properties of phospholipases A2 from Vipera russelli (Russell's viper) snake venom. Huang HC, et al. Toxicon 1984;22(2):207–17

BLOOD

Russell's viper venom levels in serum of snake bite victims in Burma. Khin Ohn Lwin, et al. Trans R Soc Trop Med Hyg 1984;78(2):165–8

IMMUNOLOGY

Immunization against snake venoms [letter] New RR, et al. N Engl J Med 1984 Jul 5;311(1):56–7

ISOLATION & PURIFICATION

Snake Venoms. Purification, some properties of two phospholipases A2 (CM-I and CM-II) and the amino-acid sequence of CM-II and Bitis nasicornis (horned adder) venom. Joubert FJ, et al. Hoppe Seylers Z Physiol Chem 1983 Dec;364(12):1717–26

PHARMACODYNAMICS

Mode of neuromuscular blocking action of toxic phospholipases A2 from Vipera ammodytes venom. Lee CY, et al. Arch Int Pharmacodyn Ther 1984 Apr; 268(2):313–24
Cardiac performance in the rabbit as affected by the venom of bitis gabonica. (A preliminary report). Cevese A, et al. Boll Soc Ital Biol Sper 1983 Dec 30;59(12):1801–6
Vipoxin both activates and antagonizes three types of acetylcholine response in Aplysia neurons. Slater NT, et al. Brain Res 1983 Nov 14;278(1–2):266–70
The effect of gaboon viper (Bitis gabonica) venom on cardiac stroke work in the anaesthetized rabbit. Cevese A, et al. Life Sci 1984 Apr 2;34(14):1389–93
The action of Echis carinatus venom on the blood coagulation system. Demonstration of an activator of factor X. Hemker HC, et al. Thromb Res 1984 Jul 1;35(1):1–9
Effects of phospholipases A2 from Vipera russelli snake venom on blood pressure, plasma prostacyclin level and renin activity in rats. Huang HC. Toxicon 1984;22(2):253–64
Release of slow reacting substance from the guinea-pig lung by phospholipases A2 of Vipera russelli snake venom. Huang HC. Toxicon 1984;22(3):359–72
Influence of calcium on the action of Vipera ammodytes ammodytes snake venom on the myocardium. Petković D, et al. Toxicon 1983;21(6):887–92
Mode of neuromuscular blocking action of a toxic phospholipase A2 from Pseudocerastes fieldi (Field's horned viper) snake venom. Tsai MC, et al. Toxicon 1983; 21(4):527–34

POISONING

Effects of prolonged poisoning by Russell's viper venom on blood coagulation, platelets and fibrinolysis. Rehman A, et al. Jpn J Med Sci Biol 1984 Feb;37(1):1–7
[Intensive therapy with the use of hemosorption after snake bites in children] Zhdanov GG, et al. Anesteziol Reanimatol 1983 Jul–Aug;(4):61–2 (Eng. Abstr.) (Rus)

TOXICITY

Histopathological changes in rat myocardium caused by Vipera ammodytes ammodytes (European viper) snake venom. Unković-Cvetković N, et al. Toxicon 1983; 21(3):429–32
Lethal potencies and immunoelectrophoretic profiles of venoms and Vipera bornmulleri and Vipera latifii. Weinstein SA, et al. Toxicon 1984;22(4):625–9

VIPRYNIUM see **PYRVINIUM COMPOUNDS**

VIQUIDIL see under **QUINOLINES**

VIRAL ANTIBODIES see **ANTIBODIES, VIRAL**

VIRAL ANTIGENS see **ANTIGENS, VIRAL**

VIRAL ENVELOPE PROTEINS

Localization of viral-envelope-glycoprotein-binding sites in fibronectin. Julkunen I, et al. Biochem J 1984 Apr 15; 219(2):425–8
Selection of particles and proteins for use as human cytomegalovirus subunit vaccines. Gibson W, et al. Birth Defects 1984;20(1):305–24 (37 ref.)
Low resolution structure of the influenza C glycoprotein determined by electron microscopy. Hewat EA, et al. J Mol Biol 1984 May 15;175(2):175–93

ANALYSIS

Characterization of the major structural proteins of purified bovine viral diarrhea virus. Coria MF, et al. Arch Virol 1983;76(4):335–9
Characterization of monoclonal antibodies directed against the envelope proteins of feline leukemia virus. Youngren SD, et al. Cancer Res 1984 Aug;44(8):3512–7
Identification of envelope glycoprotein encoded by env gene of human T-cell leukemia virus. Hattori S, et al. Gann 1983 Dec;74(6):790–3
Recognition of host-membrane antigens in the envelope of measles virions. Armstrong MA, et al. Intervirology 1984; 21(4):210–20
Amphiphilic properties of the avian myeloblastosis virus major glycoprotein, gp 80. Marciani DJ. J Cell Biochem 1983;22(4):209–17
Identification of a unique erythroleukemia-associated retroviral gp70 expressed during early stages of normal erythroid differentiation. Britt WJ, et al. J Exp Med 1984 Jun 1;159(6):1591–603
Lymphocytic choriomeningitis virus. V. Proposed structural arrangement of proteins in the virion. Bruns M, et al. J Gen Virol 1983 Oct;64 (Pt 10):2157–67
Pleomorphism among murine tissue-associated gp70s. Butler GH, et al. J Gen Virol 1984 Jan;65 (Pt 1):141–51
Coronavirus IBV: structural characterization of the spike protein. Cavanagh D. J Gen Virol 1983 Dec;64 (Pt 12):2577–83
Structural differences in envelope glycoproteins associated with rat leukaemia virus produced by Novikoff hepatocellular carcinoma and spontaneously transformed Wistar rat embryo cells. Hixson DC, et al. J Gen Virol 1984 Apr;65 (Pt 4):743–60
Characterization of three highly purified influenza virus strains by electron microscopy. Ruigrok RW, et al. J Gen Virol 1984 Apr;65 (Pt 4):799–802
Immunological characterisation of rubella virion polypeptides. Ho-Terry L, et al. J Med Microbiol 1984 Feb;17(1):105–9
Identification of immunologically cross-reactive proteins of Sindbis virus: evidence for unique conformation of E1 glycoprotein from infected cells. Wolcott JA, et al. J Virol 1984 Feb;49(2):379–85
Epitopes of bovine leukemia virus glycoprotein gp51 recognized by sera of infected cattle and sheep. Bruck C, et al. Leuk Res 1984;8(3):315–21
Properties of retrovirus-like particles produced by a human breast carcinoma cell line: immunological relationship with mouse mammary tumor virus proteins. Keydar I, et al. Proc Natl Acad Sci USA 1984 Jul;81(13):4188–92
Neutralizing antibodies detect a disulfide-linked glycoprotein complex within the envelope of human cytomegalovirus. Britt WJ. Virology 1984 Jun;135(2):369–78
Respiratory syncytial virus glycoproteins. Lambert DM, et al. Virology 1983 Oct 15;130(1):204–14
Antigenic reactivity of the major glycoprotein of equine infectious anemia virus, a retrovirus. Montelaro RC, et al. Virology 1984 Jul 30;136(2):368–74
Interactions of monoclonal antibodies and bovine herpesvirus type 1 (BHV-1) glycoproteins: characterization of their biochemical and immunological properties. van Drunen Littel-van den Hurk S, et al. Virology 1984 Jun; 135(2):466–79
[Dynamic state and fate of HVJ glycoproteins integrated into the cell membrane during the cell fusion reaction] Kim J. Tanpakushitsu Kakusan Koso 1983 Apr;28(5):369–83 (22 ref.) (Jpn)

BIOSYNTHESIS

In vitro assembly of the murine coronavirus membrane protein E1. Rottier P, et al. Adv Exp Med Biol 1984; 173:53–64
Envelope proteins of Semliki Forest virus synthesized in Xenopus oocytes are transported to the cell surface. Huth A, et al. EMBO J 1984 Apr;3(4):767–71
Density of newly synthesized plasma membrane proteins in intracellular membranes. I. Stereological studies. Griffiths G, et al. J Cell Biol 1984 Jun;98(6):2133–41
Density of newly synthesized plasma membrane proteins in intracellular membranes II. Biochemical studies. Quinn P, et al. J Cell Biol 1984 Jun;98(6):2142–7
Differential effect of interferon on glycoprotein and membrane protein of vesicular stomatitis virus released from murine and simian cells. Drebot MA, et al. J Interferon Res 1984 Spring;4(2):167–72

GENETICS

Cloning and sequencing the nucleocapsid and E1 genes of coronavirus. Armstrong J, et al. Adv Exp Med Biol 1984; 173:155–62
Glycoprotein E1 of MHV-A59: structure of the O-linked carbohydrates and construction of full length recombinant cDNA clones. Niemann H, et al. Adv Exp Med Biol 1984; 173:201–13
Post-translational glycosylation of coronavirus glycoprotein E1: inhibition by monensin. Niemann H, et al. EMBO J 1982;1(12):1499–504
Sequence analysis of Gardner-Arnstein feline leukaemia virus envelope gene reveals common structural properties of mammalian retroviral envelope genes. Wünsch M, et al. EMBO J 1983;2(12):2239–46
Alterations in the transport and processing of Rous sarcoma virus envelope glycoproteins mutated in the signal and anchor regions. Wills JW, et al. J Cell Biochem 1983; 23(1–4):81–94
Heterogeneity of Sindbis virus glycoprotein E1 and its modification by host cell transformation. Miki T. J Gen Virol 1984 Feb;65 (Pt 2):343–54
Ultrastructural and biochemical evidence that the L929 cell retrovirus lacks the env gene translation product. Radaelli A, et al. J Gen Virol 1984 Feb;65 (Pt 2):295–307
Friend erythroleukaemia cell mutants defective in viral gene expression. Yokota J, et al. J Gen Virol 1984 Feb;65 (Pt 2):429–35
Increased endogenous retroviral gene expression is a consequence of lymphocyte activation. Ewert DL, et al. J Immunol 1983 Dec;131(6):3036–41
Characterization of the env gene and long terminal repeat of molecularly cloned Friend mink cell focus-inducing virus DNA. Adachi A, et al. J Virol 1984 Jun;50(3):813–21
Primary structure of the neutralization antigen of simian rotavirus SA11 as deduced from cDNA sequence. Arias CF, et al. J Virol 1984 May;50(2):657–61
Molecular cloning of biologically active Rauscher spleen focus-forming virus and the sequences of its env gene and long terminal repeat. Bestwick RK, et al. J Virol 1984 Sep; 51(3):695–705
Virus-specific glycoproteins associated with the nuclear fraction of herpes simplex virus type 1-infected cells. Compton T, et al. J Virol 1984 Feb;49(2):594–7
Nucleotide sequence of an mRNA transcribed in latent growth-transforming virus infection indicates that it may encode a membrane protein. Fennewald S, et al. J Virol 1984 Aug;51(2):411–9
A fps gene without gag gene sequences transforms cells in culture and induces tumors in chickens. Foster DA, et al. J Virol 1983 Dec;48(3):744–51
Insertion mutants of herpes simplex virus have a duplication of the glycoprotein D gene and express two different forms of glycoprotein D. Gibson MG, et al. J Virol 1983 Nov; 48(2):396–404
An Epstein-Barr virus DNA fragment encodes messages for the two major envelope glycoproteins (gp350/300 and

gp220/200). Hummel M, et al. J Virol 1984 Feb;49(2):413–7
Nucleotide sequence analysis establishes the role of endogenous murine leukemia virus DNA segments in formation of recombinant mink cell focus-forming murine leukemia viruses. Khan AS. J Virol 1984 Jun;50(3):864–71
Molecular analysis of the envelope gene and long terminal repeat of Friend mink cell focus-inducing virus: implications for the functions of these sequences. Koch W, et al. J Virol 1984 Mar;49(3):828–40
Posttranslational processing of Uukuniemi virus glycoproteins G1 and G2. Kuismanen E. J Virol 1984 Sep; 51(3):806–12
Expression of xenotropic-like env RNA sequences in normal DBA/2 and NZB mouse tissues. Lee EJ, et al. J Virol 1984 Jul;51(1):247–50
Reduced leukemogenicity caused by mutations in the membrane glycoprotein gene of Rauscher spleen focus-forming virus. Machida CA, et al. J Virol 1984 Feb; 49(2):394–402
Nucleotide sequencing of an apparent proviral copy of env mRNA defines determinants of expression of the mouse mammary tumor virus env gene. Majors JE, et al. J Virol 1983 Sep;47(3):495–504
Envelope gene sequence of two in vitro-generated mink cell focus-forming murine leukemia viruses which contain the entire gp70 sequence of the endogenous nonecotropic parent. Mark GE, et al. J Virol 1984 Feb;49(2):530–9
Nucleotide sequences of the envelope genes of two isolates of feline leukemia virus subgroup B. Nunberg JH, et al. J Virol 1984 Feb;49(2):629–32
The envelope gene and long terminal repeat sequences contribute to the pathogenic phenotype of helper-independent Friend viruses. Oliff A, et al. J Virol 1984 Sep;51(3):788–94
Characterization of structural and immunological properties of specific domains of Friend ecotropic and dual-tropic murine leukemia virus gp70s. Pinter A, et al. J Virol 1984 Feb;49(2):452–8
Dexamethasone-stimulated expression of a proviral copy of mouse mammary tumor virus env mRNA. Robertson DL. J Virol 1984 May;50(2):632–5
Biosynthesis of Sindbis virus membrane glycoproteins in vitro. Bonatti S. Methods Enzymol 1983;96:512–9
No real homology of human T-cell leukaemia virus envelope with class I HLA [letter] Jennings PA, et al. Nature 1984 Mar 1–7;308(5954):85
Sequence homology between human and animal rotavirus serotype-specific glycoproteins. Dyall-Smith ML, et al. Nucleic Acids Res 1984 May 11;12(9):3973–82
Chromosomal mapping of the mink cell focus-inducing and xenotropic env gene family in the mouse. Blatt C, et al. Proc Natl Acad Sci USA 1983 Oct;80(20):6298–302
Avian sarcoma virus gag and env gene structural protein precursors contain a common amino-terminal sequence. Ficht TA, et al. Proc Natl Acad Sci USA 1984 Jan; 81(2):362–6
The membrane glycoprotein encoded by the retroviral oncogene v-erb-B is structurally related to tyrosine-specific protein kinases. Privalsky ML, et al. Proc Natl Acad Sci USA 1984 Feb;81(3):704–7
Major coat protein and single-stranded DNA-binding protein of filamentous virus Pf3. Putterman DG, et al. Proc Natl Acad Sci USA 1984 Feb;81(3):699–703
Sequence of the envelope glycoprotein gene of type II human T lymphotropic virus. Sodroski J, et al. Science 1984 Jul 27;225(4660):421–4
A mutant of sindbis virus with a host-dependent defect in maturation associated with hyperglycosylation of E2. Durbin RK, et al. Virology 1984 Jun;135(2):331–44
Individual ev loci determine characteristic patterns of endogenous retroviral envelope antigen expression during lymphocyte maturation. Ewert DL, et al. Virology 1984 Feb;133(1):128–36
A cell membrane 'gp70' associated with Fv-4 gene: immunological characterization, and tissue and strain distribution. Ikeda H, et al. Virology 1984 Feb;133(1):65–76
env-Related leukemogenic genes (gp55 genes) of two closely related polycythemic strains of Friend spleen focus-forming virus possess different recombination points with an endogenous mink cell focus-forming virus env gene. Obata M, et al. Virology 1984 Jul 30;136(2):435–8
Translational order of bovine leukemia virus gag and env gene-coded proteins. Uckert W, et al. Virology 1984 May; 135(1):288–92
Structural analysis of the spleen focus-forming virus envelope gene product. Wolff L, et al. Virology 1984 Mar; 133(2):376–85
Inhibition of host cellular ribonucleic acid synthesis by glycoprotein of mumps virus. Yamada A, et al. Virology 1984 Jun;135(2):299–307
[Directed fragmentation of tobacco mosaic virus RNA: excision of 3' terminal sections, containing coat protein genes of tobacco mosaic virus] Rodionova NP, et al. Mol Biol (Mosk) 1983 Jul–Aug;17(4):809–17 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Studies on the specificity of human antibodies reacting with GP70 and P15 antigens of baboon endogenous (BaEV) and gibbon ape leukaemia (GaLV) viruses. Tóth FD, et al. Acta Virol (Praha) 1984 May;28(3):191–7
Biological functions of monospecific antibodies to envelope glycoproteins of Newcastle disease virus. Umino Y, et al. Arch Virol 1984;81(1–2):53–65
The specificity of H-2-restricted cytotoxic T lymphocytes directed to AKR/Gross leukemia virus-induced tumors. II. Altered gp70 display and production of noninfectious virus particles by an insusceptible variant tumor. Green WR, et al. Eur J Immunol 1983 Nov;13(11):871–7
Glycoprotein D protects mice against lethal challenge with herpes simplex virus types 1 and 2. Long D, et al. Infect Immun 1984 Feb;43(2):761–4
Multiple antigens related to the major envelope glycoprotein of murine leukemia virus expressed on B16 melanoma cells as targets of host immune response. Stackpole CW, et al. Invasion Metastasis 1984;4(1):28–46
In vitro growth inhibition of murine leukemia cells by antibody specific for the major envelope glycoprotein (gp71) of Friend leukemia virus. Genovesi EV, et al. J Cell Physiol 1983 Nov;117(2):215–29
Human malignant and mitogen-transformed cells contain retroviral P15E-related antigen. Cianciolo GJ, et al. J Exp Med 1984 Mar 1;159(3):964–9
Antibody directed to determinants of a Moloney virus derived MCF GP70 recognizes a thymic differentiation antigen. Johnson DA, et al. J Exp Med 1983 Nov 1; 158(5):1751–6
B cell repertoire diversification precedes immunoglobulin receptor expression. Riley RL, et al. J Exp Med 1983 Nov 1;158(5):1733–8
The mechanism of retrovirus suppression of human T cell proliferation in vitro. Copelan EA, et al. J Immunol 1983 Oct;131(4):2017–20
Feline leukemia virus envelope gp70 of subgroups B and C defined by monoclonal antibodies with cytotoxic and neutralizing functions. Grant CK, et al. J Immunol 1983 Dec;131(6):3042–8
Elucidation of the topography and determination of the protective epitopes on the E glycoprotein of Saint Louis encephalitis virus by passive transfer with monoclonal antibodies. Mathews JH, et al. J Immunol 1984 Mar; 132(3):1533–7
Clearance of feline leukemia virus from persistently infected pet cats treated by extracorporeal immunoadsorption is correlated with an enhanced antibody response to FeLV gp 70. Snyder HW Jr, et al. J Immunol 1984 Mar; 132(3):1538–43
Identification of a glycoprotein, gp21, of adult T cell leukemia virus by monoclonal antibody. Sugamura K, et al. J Immunol 1984 Jun;132(6):3180–4
Cell-mediated cytotoxicity against targets bearing Sendai virus glycoproteins in the absence of viral infection. Abidi TF, et al. J Virol 1984 May;50(2):380–6
Antigenic relationships among proteins of bovine coronavirus, human respiratory coronavirus OC43, and mouse hepatitis coronavirus A59. Hogue BG, et al. J Virol 1984 Aug;51(2):384–8
A viral coat glycoprotein (gp52MuMTV) has detergent-sensitive and detergent-resistant epitopes in the same molecule. Manson LA, et al. Mol Immunol 1983 Nov; 20(11):1237–9
Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses. Morein B, et al. Nature 1984 Mar 29–Apr 4;308(5958):457–60
Appearance of cytotoxic antibody to viral gp70 on feline lymphoma cells (FL-74) in cats during ex vivo immunoadsorption therapy: quantitation, characterization, and association with remission of disease and disappearance of viremia. Liu WT, et al. Proc Natl Acad Sci USA 1984 Jun;81(11):3516–20
Method to map antigenic determinants recognized by monoclonal antibodies: localization of a determinant of virus neutralization on the feline leukemia virus envelope protein gp70. Nunberg JH, et al. Proc Natl Acad Sci USA 1984 Jun;81(12):3675–9
HCMV envelope antigens induce both humoral and cellular immunity in guinea pigs. Furukawa T, et al. Proc Soc Exp Biol Med 1984 Feb;175(2):243–50
Biologically active epitopes of bovine leukemia virus glycoprotein gp51: their dependence on protein glycosylation and genetic variability. Bruck C, et al. Virology 1984 Jul 15;136(1):20–31
Biological activities of monoclonal antibodies reactive with antigenic sites mapped on the G1 glycoprotein of La Crosse virus. Kingsford L, et al. Virology 1983 Sep;129(2):443–55
Protective monoclonal antibodies define maturational and pH-dependent antigenic changes in Sindbis virus E1 glycoprotein. Schmaljohn AL, et al. Virology 1983 Oct 15; 130(1):144–54
Sera from adult T-cell leukemia patients react with envelope and core polypeptides of adult T-cell leukemia virus. Schneider J, et al. Virology 1984 Jan 15;132(1):1–11
[Antibody formation and preservation against the envelope antigens of influenza virus subtype A(H3N2) after infection and vaccination] Stumpa A, et al. Tr Inst Pastera 1982; 59:23–8 (Rus)
[Subvirion influenza vaccines: a subunit (glycoprotein) trivalent preparation Grippovac SE-AZh for immunization against influenza in children and persons with chronic pathology] Chumakov MP, et al. Vestn Akad Med Nauk SSSR 1983;(12):21–9 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Isolation of virus-like particles in urine from a psoriatic patient. Iversen OJ. Acta Pathol Microbiol Immunol Scand [B] 1983 Dec; 91(6):407–12
Proteolytic cleavage of peplomeric glycoprotein E2 of MHV yields two 90K subunits and activates cell fusion. Sturman LS, et al. Adv Exp Med Biol 1984;173:25–35
Presence of a novel spleen focus-forming virus-specific glycoprotein (gp51) in a Friend leukemia cell line and its decrease during erythrodifferentiation. Matsugi T, et al. Gann 1983 Aug;74(4):509–16
A structural investigation of the Epstein-Barr (EB) virus membrane antigen glycoprotein, gp340. Morgan AJ, et al. J Gen Virol 1984 Feb;65 (Pt 2):397–404
Purification, morphology and antigenic characterization of measles virus envelope components. Varsanyi TM, et al. J Gen Virol 1984 Feb;65 (Pt 2):355–66
Purification and characterization of GP90, one of the envelope glycoproteins of respiratory syncytial virus. Walsh EE, et al. J Gen Virol 1984 Apr;65 (Pt 4):761–7
The envelope proteins of bovine leukemia virus: purification and sequence analysis. Schultz AM, et al. Virology 1984 Jun;135(2):417–27

METABOLISM

Requirements for transport of HSV-1 glycoproteins to the cell surface membrane of human fibroblasts and Vero cells. Norrild B, et al. Arch Virol 1983;77(2–4):155–66
The use of specific antibodies to mediate fusion between Sendai virus envelopes and living cells. Loyter A, et al. Ciba Found Symp 1984;103:163–80
Failure of translational repression in the phage f2 op3 mutant is not due to an altered coat protein-RNA interaction. Carey J, et al. J Biol Chem 1984 Jan 10;259(1):20–2
The effect of proteolytic cleavage of La Crosse virus G1 glycoprotein on antibody neutralization. Kingsford L, et al. J Gen Virol 1983 Oct;64 (Pt 10):2147–56
Rous sarcoma virus p19 and gp35 can be chemically crosslinked to high molecular weight complexes. An insight into virus assembly. Gebhardt A, et al. J Mol Biol 1984 Apr 5;174(2):297–317
Synthesis and processing of glycoprotein D of herpes simplex virus types 1 and 2 in an in vitro system. Matthews JT, et al. J Virol 1983 Nov;48(2):521–33
Mutation in the matrix protein of Newcastle disease virus can result in decreased fusion glycoprotein incorporation into particles and decreased infectivity. Peeples ME, et al. J Virol 1984 Jul;51(1):81–90
Studies with inhibitors of oligosaccharide processing indicate a functional role for complex sugars in the transport and proteolysis of Friend mink cell focus-inducing murine leukemia virus envelope proteins. Pinter A, et al. Virology 1984 Jul 15;136(1):196–210

PHARMACODYNAMICS

Characterization of a glycoprotein fusogen isolated from Sendai virus. Kruse CA, et al. Biochim Biophys Acta 1984 Jan 24;797(1):40–50

PHYSIOLOGY

A new method for reconstitution of highly fusogenic Sendai virus envelopes. Vainstein A, et al. Biochim Biophys Acta 1984 Jun 27;773(2):181–8
Construction of fusogenic vesicles bearing specific antibodies. Targeting of reconstituted Sendai virus envelopes towards neuraminidase-treated human erythrocytes. Gitman AG, et al. J Biol Chem 1984 Aug 10;259(15):9813–20
Steps in the stabilization of newly packaged DNA during phage P22 morphogenesis. Strauss H, et al. J Mol Biol 1984 Feb 5;172(4):523–43
Enhanced neutralization of La Crosse virus by the binding of specific pairs of monoclonal antibodies to the G1 glycoprotein. Kingsford L. Virology 1984 Jul 30; 136(2):265–73
[Infectious cell entry mechanism of enveloped viruses] Ohnishi S, et al. Uirusu 1984 Jun;34(1):11–24 (105 ref.) (Jpn)

TOXICITY

Inhibition of erythroid colony-forming cells by a Mr 15,000 protein of feline leukemia virus. Wellman ML, et al. Cancer Res 1984 Apr;44(4):1527–9

VIRAL GENES see GENES, VIRAL

VIRAL GENOMES see GENES, VIRAL

VIRAL INTERFERENCE

Interference between human hepatitis A virus and an attenuated apathogenic avian virus. Csatary LK, et al. Acta Microbiol Hung 1984;31(2):153–8
The process of virus assembly in insect virus mixed infections. Tchukhriy MG. Acta Virol (Praha) 1983 Sep;27(5):412–7
Properties of lymphocytic choriomeningitis virus interfering particles. Martínez Peralta L, et al. Arch Virol 1983; 77(1):61–9
Persistent infection of cultivated cells with lymphocytic choriomeningitis virus: regulation of virus replication. Brief

report. Weber C, et al. **Arch Virol** 1983;77(2–4):271–6
Studies on viral interference induced by rinderpest virus: 3. Interferon induction by attenuated and virulent strains of rinderpest virus in tissue culture. Hussain SF, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):1–6
Studies on viral interference induced by rinderpest virus: 4. Induction of circulating interferon and antibodies in buffaloes following inoculation with tissue culture rinderpest vaccine (TCRV) virus. Hussain SF, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):7–10
The mechanism of action of interferon. Lewis JA. **Horiz Biochem Biophys** 1982;6:357–84 (164 ref.)
Autointerference of Marituba Virus (Bunyaviridae) in mouse L cells by defective interfering particles. Volkmer N, et al. **Intervirology** 1983;20(2–3):108–13
Mechanism of interference between influenza A/WSN and B/Kanagawa viruses. Aoki H, et al. **J Gen Virol** 1984 Aug; 65 (Pt 8):1385–93
Variation in homotypic and heterotypic interference by defective interfering viruses derived from different strains of Semliki Forest virus and from Sindbis virus. Barrett AD, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1119–22
Defective interfering Semliki Forest virus populations are biologically and physically heterogeneous. Barrett AD, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1273–83
Reconstruction experiments demonstrating selective effects of defective interfering particles on mixed populations of vesicular stomatitis virus. Horodyski FM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):819–23
Studies on heterotypic interference between influenza A and B viruses: a differential inhibition of the synthesis of viral proteins and RNAs. Kaverin NV, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2139–46
A study of interfering herpes simplex virus DNA preparations containing defective genomes of either class I or II and the identification of minimal requirements for interference. Schröder CH, et al. **J Gen Virol** 1984 Mar; 65 (Pt 3):493–506
Modulation of Semliki Forest virus–induced infection of mice by defective-interfering virus. Barrett AD, et al. **J Infect Dis** 1984 Jul;150(1):98–104
The p lambda CM system: phage immunity–specific incompatibility with IncP–1 plasmids. Burck C, et al. **MGG** 1984;194(1–2):340–2
Different antiviral spectra of human macrophage interferon activities. Bell DM, et al. **Nature** 1983 Sep 22–28; 305(5932):319–21
Response of cells persistently infected with arenaviruses to superinfection with homotypic and heterotypic viruses. Damonte EB, et al. **Virology** 1983 Sep;129(2):474–8
Defective interfering particles of Sendai virus modulate HN expression at the surface of infected BHK cells. Roux L, et al. **Virology** 1983 Oct 15;130(1):91–104

VIRAL PROTEINS

Physical properties of a soluble form of the glycoprotein of vesicular stomatitis virus at neutral and acidic pH. Crimmins DL, et al. **Biochemistry** 1983 Dec 6;22(25):5790–6
Pf1 bacteriophage replication--assembly complex. X-ray fibre diffraction of the high humidity form. Kneale GG, et al. **J Mol Biol** 1983 Dec 5;171(2):229–32
Structure of tomato busy stunt virus IV. The virus particle at 2.9 A resolution. Olson AJ, et al. **J Mol Biol** 1983 Nov 25;171(1):61–93
Domain structure and quaternary organization of the bacteriophage P22 Erf protein. Poteete AR, et al. **J Mol Biol** 1983 Dec 25;171(4):401–18
Amino-terminal sequence of glycoprotein D of herpes simplex virus types 1 and 2. Eisenberg RJ, et al. **J Virol** 1984 Jan;49(1):265–8
Predicted secondary structure similarity in the absence of primary amino acid sequence homology: hepatitis B virus open reading frames. Schaeffer E, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2902–6
Comparison of the primary sequence of spring viremia of carp virus M protein with that of vesicular stomatitis virus. Kiuchi A, et al. **Virology** 1984 Apr 15;134(1):238–43
Determination of measles virus protein molecular weights on high percentage, highly cross-linked SDS polyacrylamide gels. Carter MJ, et al. **Z Naturforsch [C]** 1983 Sep–Oct;38(9–10):887–9

ANALYSIS

Comparative studies on influenza B virus. I. Biological properties and polypeptide composition of strains isolated in different years. Korchanova NL, et al. **Acta Virol (Praha)** 1983 Sep;27(5):377–84
Comparative studies on influenza B virus. II. The effect of host cells on biological properties and polypeptide composition. Simanovskaya VK, et al. **Acta Virol (Praha)** 1983 Sep;27(5):385–92
Plaque assay, polypeptide composition and immunochemistry of feline infectious peritonitis virus and feline enteric coronavirus isolates. Boyle JF, et al. **Adv Exp Med Biol** 1984;173:133–47
Antigenic and polypeptide structure of bovine enteric coronavirus as defined by monoclonal antibodies. Vautherot JF, et al. **Adv Exp Med Biol** 1984;173:117–32
Avian paramyxoviruses possessing antigenically related HN but distinct M proteins. Brief report. Abenes GB, et al. **Arch Virol** 1983;77(1):71–6
Molecular homology among the structural proteins of densonucleosis virus from silkworm, Bombyx mori. Bando H, et al. **Arch Virol** 1984;80(2–3):209–18
Biochemical study of the Feline Herpesvirus 1. Identification of glycoproteins by affinity. Fargeaud D, et al. **Arch Virol** 1984;80(2–3):69–82
Hamster endogenous retrovirus (HaER)--distinct properties of structural proteins and DNA polymerase. Goldschmied-Reouven A, et al. **Arch Virol** 1983; 78(3–4):245–53
Characterization of African swine fever virus antigenic proteins by immunoprecipitation. Letchworth GJ, et al. **Arch Virol** 1984;80(4):265–74
Proteins specified by African Swine Fever virus. IV. Glycoproteins and phosphoproteins. Tabarés E, et al. **Arch Virol** 1983;77(2–4):167–80
The polypeptide of a human calicivirus. Terashima H, et al. **Arch Virol** 1983;78(1–2):1–7
Glycopolypeptides of rubella virus. Brief report. Toivonen V, et al. **Arch Virol** 1983;77(1):91–5
Comparisons by peptide mapping of proteins specified by Kunjin, West Nile and Murray Valley encephalitis viruses. Wright PJ, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):641–53
Purification and molecular anatomy of the varicella–zoster virion. Grose C, et al. **Biken J** 1983 Mar;26(1):1–15
Equine cytomegalovirus: genomic structure, protein composition and role in oncogenic transformation and persistent infection. Staczek J, et al. **Birth Defects** 1984; 20(1):213–31 (34 ref.)
Proteins encoded by v-myc and c-myc oncogenes: identification and localization in acute leukemia virus transformants and bursal lymphoma cell lines. Hann SR, et al. **Cell** 1983 Oct;34(3):789–98
A protease-resistant protein is a structural component of the scrapie prion. McKinley MP, et al. **Cell** 1983 Nov; 35(1):57–62
Proteins encoded by mouse mammary tumour virus. Dickson C, et al. **Curr Top Microbiol Immunol** 1983;106:1–34 (129 ref.)
pp60c-src Kinase is in chick and human embryonic tissues. Levy BT, et al. **Dev Biol** 1984 Jul;104(1):9–17
Specificity of antibodies elicited by a synthetic peptide having a sequence in common with a fragment of a virus protein--the hepatitis B surface antigen. Neurath AR, et al. **Dev Biol Stand** 1983;54:103–12
Characterization of pre-s gene products in hepatitis B surface antigen. Stibbe W, et al. **Dev Biol Stand** 1983;54:33–43
The molecular basis of the antigenic variation of foot-and-mouth disease virus. Beck E, et al. **EMBO J** 1983; 2(4):555–9
The carbohydrates of mouse hepatitis virus (MHV) A59: structures of the O-glycosidically linked oligosaccharides of glycoprotein E1. Niemann H, et al. **EMBO J** 1984 Mar; 3(3):665–70
Immunocytochemical localization in normal and transformed human cells in tissue culture using a monoclonal antibody to the src protein of the Harvey strain of murine sarcoma virus. Willingham MC, et al. **Exp Cell Res** 1983 Nov; 149(1):141–9
Molecular cloning and restriction mapping of a simian virus 40 deletion mutant derived from simian transformants expressing a non-karyophilic T antigen. Fantuzzi LF, et al. **FEBS Lett** 1984 May 7;170(1):125–30
Comparison of p30 and acid phosphatase levels in post-coital vaginal swabs from donor and casework studies. Poyntz FM, et al. **Forensic Sci Int** 1984 Jan;24(1):17–25
Papillomavirus infection of the cervix. III: Relationship of the presence of viral structural proteins to the expression of involucrin. Warhol MJ, et al. **Int J Gynecol Pathol** 1984; 3(1):71–81
Structural proteins of Marituba virus (Bunyaviridae). Frugulhetti IC, et al. **Intervirology** 1983;20(2–3):143–8
Characterization of a cytoplasmic polyhedrosis virus infecting Manduca sexta. Galinski MS, et al. **Intervirology** 1984;21(3):167–73
Role of fatty acid acylation of membrane glycoproteins. Absence of palmitic acid in glycoproteins of two serotypes of vesicular stomatitis virus. Kotwal GJ, et al. **J Biol Chem** 1984 Apr 25;259(8):4699–701
A simian virus 40–encoded protein of Mr 74,000 daltons is structurally related to the capsid proteins of the virus. Krippl B, et al. **J Cell Biochem** 1983;22(4):197–207
Herpes simplex virus non-structural proteins. IV. Purification of the virus-induced deoxyribonuclease and characterization of the enzyme using monoclonal antibodies. Banks L, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2249–60
DNA-binding proteins specified by herpesvirus saimiri. Blair ED, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2697–715
Rubella virus: structural and non-structural proteins. Bowden DS, et al. **J Gen Virol** 1984 May;65 (Pt 5):933–43
Characterization of human parainfluenza viruses. I. The structural proteins of parainfluenza virus 2 and their synthesis in infected cells. Cowley JA, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2117–25
Localization of a neutralization epitope of foot-and-mouth disease virus using neutralizing monoclonal antibodies. Duchesne M, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1559–66
Hantaan virus: identification of virion proteins. Elliott LH, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1285–93
Monoclonal antibodies recognizing structural components of murine retroviruses including an FMR antigen on protein p12. Gambke C, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1507–17
Murine leukaemia virus p30 heterogeneity as revealed by two-dimensional gel electrophoresis is not an artefact of the technique. Katoh I, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):733–41
Comparison of bovine, simian and human rotavirus structural glycoproteins. Kouvelos K, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1211–4
Oligosaccharide composition of calf rotavirus. Kouvelos K, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1159–64
Rat cytomegalovirus: studies on the viral genome and the proteins of virions and nucleocapsids. Meijer H, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):681–95
Glycoprotein C of herpes simplex virus type 1: characterization of O-linked oligosaccharides. Olofsson S, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2735–47
The DNA polymerase activity of vaccinia virus 'virosomes': solubilization and properties. Tomley FM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):825–9
Quantification of the antiviral effect of interferon by immunoassay of vesicular stomatitis virus proteins. Wallach D. **J Gen Virol** 1983 Oct;64 (Pt 10):2221–7
Microtiter radioimmunoprecipitation assay of HSV-1 polypeptides with recovery and SDS-PAGE analysis of precipitated proteins: usefulness as screening test for large numbers of specimens including hybridoma supernates. McKendall RR, et al. **J Immunol Methods** 1984 Sep 4; 72(2):461–9
Identification of a protein bound to the termini of bacteriophage PRD1 DNA. Bamford D, et al. **J Virol** 1983 Aug;47(2):311–6
Characterization of post-translational products of herpes simplex virus gene 35 proteins binding to the surfaces of full capsids but not empty capsids. Braun DK, et al. **J Virol** 1984 Jan;49(1):142–53
Sequence homology between the structural proteins of Kilham rat virus. Brown DD, et al. **J Virol** 1984 Mar; 49(3):1018–20
Peptide maps and N-terminal sequences of polypeptides from early region 1A of human adenovirus 5. Downey JF, et al. **J Virol** 1984 Apr;50(1):30–7
Ionic and nonionic interactions in adenoviral nucleoprotein complexes. Fedor MJ, et al. **J Virol** 1983 Aug;47(2):370–5
Increased concentration of an indigenous proviral mouse mammary tumor virus long terminal repeat-containing transcript is associated with neoplastic transformation of mammary epithelium in C3H/Sm mice. Graham DE, et al. **J Virol** 1984 Mar;49(3):819–27
Location of DNA-binding proteins and disulfide-linked proteins in vaccinia virus structural elements. Ichihashi Y, et al. **J Virol** 1984 Jun;50(3):929–38
Identification with monoclonal antibodies of glycoproteins of Marek's disease virus and herpesvirus of turkeys related to virus neutralization. Ikuta K, et al. **J Virol** 1984 Mar; 49(3):1014–7
Structural proteins of Herpesvirus saimiri. Keil G, et al. **J Virol** 1983 Sep;47(3):463–70
Characterization of proteins induced by mitomycin C treatment of Bacillus subtilis. Mauël C, et al. **J Virol** 1984 Mar;49(3):806–12
Monoclonal antibody to simian virus 40 small t. Montano X, et al. **J Virol** 1984 Sep;51(3):760–7
Protein processing map of poliovirus. Pallansch MA, et al. **J Virol** 1984 Mar;49(3):873–80
Immunoprecipitation of some forms of simian virus 40 large-T antigen by antibodies to synthetic peptides. Paucha E, et al. **J Virol** 1984 Sep;51(3):670–81
Antigenic structure of simian virus 40 large tumor antigen and association with cellular protein p53 on the surfaces of simian virus 40–infected and –transformed cells. Santos M, et al. **J Virol** 1984 Aug;51(2):376–83
Adenovirus early region 1B 58,000-dalton tumor antigen is physically associated with an early region 4 25,000-dalton protein in productively infected cells. Sarnow P, et al. **J Virol** 1984 Mar;49(3):692–700
Structural proteins of Chikungunya virus. Simizu B, et al. **J Virol** 1984 Jul;51(1):254–8
Isolation of the prohead core of bacteriophage T4 after cross-linking and determination of protein composition. Traub F, et al. **J Virol** 1984 Mar;49(3):902–8
Characterization of a herpes simplex virus type 2 75,000-molecular-weight glycoprotein antigenically related to herpes simplex virus type 1 glycoprotein C. Zezulak KM, et al. **J Virol** 1983 Sep;47(3):553–62
Antibodies to a synthetic oligopeptide that react with herpes simplex virus type 1 and 2 glycoprotein C. Zweig M, et al. **J Virol** 1984 Aug;51(2):430–6
A simple procedure for the analysis of the structural proteins of influenza and parainfluenza viruses involving adsorption to erythrocytes. Cowley JA, et al. **J Virol Methods** 1984 Feb;8(1–2):9–18
Spectrophotometric quantitation of peroxidase-stained protein bands following gel electrophoresis and the western blot transfer technique with respiratory syncytial virus. Hierholzer JC, et al. **J Virol Methods** 1984 May;8(3):265–8
Modified immunoprecipitation procedure for the identification of human respiratory syncytial virus polypeptides. Trépanier P, et al. **J Virol Methods** 1983 Sep; 7(3):149–54
DNA-protein complex from hepatitis B virus. Yamashita T,

et al. **Jpn J Med Sci Biol** 1984 Feb;37(1):19–26
Early protein marker for Towne cytomegalovirus vaccine [letter] Stevens RJ, et al. **Lancet** 1984 Apr 14;1(8381):849
Characterization of small plaque mutants of mouse hepatitis virus, JHM strain. Makino S, et al. **Microbiol Immunol** 1983; 27(5):445–54
Some speculations about prions, amyloid, and Alzheimer's disease. Prusiner SB. **N Engl J Med** 1984 Mar 8; 310(10):661–3
Viral pathogenesis: mechanism of acute and persistent infections with paramyxoviruses. Nagai Y, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):1–17 (66 ref.)
Avian myeloblastosis virus and E26 virus oncogene products are nuclear proteins. Boyle WJ, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4265–9
Simultaneous in situ detection of viral RNA and antigens. Brahic M, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5445–8
Striking similarities in amino acid sequence among nonstructural proteins encoded by RNA viruses that have dissimilar genomic organization. Haseloff J, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4358–62
Transformation-associated proteins in murine B-cell lymphomas that are distinct from Abelson virus gene products. Pillemer E, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4434–8
Comparison of the viral proteins of canine parvovirus–2, mink enteritis virus and feline panleukopenia virus. Carman PS, et al. **Vet Microbiol** 1983 Oct;8(5):423–35
Protein kinase activity associated with immunoprecipitates of the vesicular stomatitis virus phosphoprotein NS. Bell JC, et al. **Virology** 1984 Jan 30;132(2):229–38
Equine cytomegalovirus: structural proteins of virions and nucleocapsids. Caughman GB, et al. **Virology** 1984 Apr 15;134(1):184–95
Localization of frog virus 3 proteins using monoclonal antibodies. Chinchar VG, et al. **Virology** 1984 Aug; 137(1):211–6
Gene-III protein of filamentous phages: evidence for a carboxyl-terminal domain with a role in morphogenesis. Crissman JW, et al. **Virology** 1984 Jan 30;132(2):445–55
Infection of a restrictive cell line (XC cells) by intratypic recombinants of HSV–1: relationship between penetration of the virus and relative amounts of glycoprotein C. Epstein AL, et al. **Virology** 1984 Jan 30;132(2):315–24
Antigenic and structural studies on the transforming proteins of Rous sarcoma virus and Yamaguchi 73 avian sarcoma virus. Erikson E, et al. **Virology** 1983 Oct 15;130(1):221–6
A time-course study of MuLV env gene expression in the AKR thymus: qualitative and quantitative analysis of ecotropic and recombinant virus gene products. Famulari NG, et al. **Virology** 1984 Jan 30;132(2):282–91
Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus. Georg-Fries B, et al. **Virology** 1984 Apr 15;134(1):64–71
Varicella–zoster virus–specific gp140: a highly immunogenic and disulfide–linked structural glycoprotein. Grose C, et al. **Virology** 1984 Jan 15;132(1):138–46
Identification and preliminary mapping with monoclonal antibodies of a herpes simplex virus 2 glycoprotein lacking a known type 1 counterpart. Roizman B, et al. **Virology** 1984 Feb;133(1):242–7
Structural proteins and lipids in a virus, PBCV–1, which replicates in a Chlorella–like alga. Skrdla MP, et al. **Virology** 1984 Jun;135(2):308–15
Monoclonal antibodies specific for the avian sarcoma virus transforming protein pp60src. Tanaka T, et al. **Virology** 1984 Feb;133(1):202–10
Partial characterization of a transformation–specific glycopeptide in SSV–NP cells. Thiel HJ, et al. **Virology** 1984 Apr 15;134(1):138–47
Simian sarcoma virus transformation–specific glycopeptide: immunological relationship to human platelet–derived growth factor. Thiel HJ, et al. **Virology** 1984 Jul 30; 136(2):414–24
Bovine leukemia virus (BLV)—a structural model based on chemical crosslinking studies. Uckert W, et al. **Virology** 1984 Mar;133(2):386–92
[Analysis of virus induced cell fusion] Asano A, et al. **Seikagaku** 1983;55(6):384–7 **(Jpn)**
[Measles virus—antigenic structure] Ciufecu E. **Rev Ig [Bacteriol]** 1983 Oct–Dec;28(4):311–41 (153 ref.) **(Rum)**
[Molecular composition of phenotypically mixed virions formed during mixed infection with influenza viruses A and B] Amvros'eva TV, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):390–6 (Eng. Abstr.) **(Rus)**
[Virus–specific informosomes in tobacco cells infected with tobacco mosaic virus] Dorokhov IuL, et al. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):83–91 (Eng. Abstr.) **(Rus)**
[Topology of the structural proteins of long tail fibers of phages T4D, DDVIh+ and DDVIh] Kretova AF, et al. **Mol Biol (Mosk)** 1983 Sep–Oct;17(5):1103–7 (Eng. Abstr.) **(Rus)**
[Proteolytic cleavage of influenza virus matrix protein and nucleoprotein in an in vitro system] Iaroslavtseva NG, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):549–56 (Eng. Abstr.) **(Rus)**
[Comparative characteristics of the biophysical properties of influenza A, B and C proteins] Ivanova VT, et al. **Vopr Virusol** 1984 May–Jun;29(3):276–82 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the virus–specific proteins of cells infected with untypable herpes simplex virus strains] Rusavskaia EA, et al. **Vopr Virusol** 1983 Sep–Oct; 28(5):611–5 (Eng. Abstr.) **(Rus)**
[Oligopeptide maps of the matrix protein of a temperature–sensitive mutant (TS 303) of the fowl plague virus] Sokolov BP, et al. **Vopr Virusol** 1984 Jan–Feb; 29(1):66–9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The effect of quercetin on the phosphorylation activity of the Rous sarcoma virus transforming gene product in vitro and in vivo. Graziani Y, et al. **Eur J Biochem** 1983 Oct 3;135(3):583–9
Studies on heterotypic interference between influenza A and B viruses: a differential inhibition of the synthesis of viral proteins and RNAs. Kaverin NV, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2139–46
Differential inhibition of cellular and viral pp60src kinase by P1,P4–di(adenosine–5')tetraphosphate. Levy BT, et al. **Mol Cell Biol** 1983 Oct;3(10):1718–23
Differential sensitivity of human, avian, and equine influenza A viruses to a glycoprotein inhibitor of infection: selection of receptor specific variants. Rogers GN, et al. **Virology** 1983 Dec;131(2):394–408
N–methyl–1–deoxynojirimycin, a novel inhibitor of glycoprotein processing, and its effect on fowl plague virus maturation. Romero PA, et al. **Virology** 1983 Oct 15; 130(1):238–42

BIOSYNTHESIS

Enrichment of early HSV–induced proteins in phosphonoformate–treated cells. Lehtinen MO, et al. **Acta Virol (Praha)** 1984 Jan;28(1):11–8
Protein synthesis in cells infected by murine hepatitis viruses JHM and A59: tryptic peptide analysis. Bond CW, et al. **Arch Virol** 1984;80(4):333–47
On the role of oligosaccharide trimming in the maturation of Sindbis and influenza virus. Datema R, et al. **Arch Virol** 1984;81(1–2):25–39
Biological and macromolecular properties of murine cells persistently infected with MHV–JHM. Leibowitz JL, et al. **Arch Virol** 1984;80(4):315–32
Immunofluorescent sites in vero cells infected with the flavivirus Kunjin. Ng ML, et al. **Arch Virol** 1983; 78(3–4):177–90
5'–Conformation of capped alfalfa mosaic virus ribonucleic acid 4 may reflect its independence of the cap structure or of cap–binding protein for efficient translation. Gehrke L, et al. **Biochemistry** 1983 Oct 25;22(22):5157–64
Narcissus mosaic virus: a potexvirus with an encapsidated subgenomic messenger RNA for coat protein. Short MN, et al. **Biosci Rep** 1983 Sep;3(9):837–46
The proteins of human cytomegalovirus. Stinski MF. **Birth Defects** 1984;20(1):49–62 (49 ref.)
Translation of HTLV (human T–cell leukemia virus) RNA in a nuclease–treated rabbit reticulocyte system. Kobayashi N, et al. **EMBO J** 1984 Feb;3(2):321–5
Identification and biosynthesis of the bacteriophage T4 mot regulatory protein. Uzan M, et al. **EMBO J** 1983; 2(7):1207–12
Role of signal recognition particle in the membrane assembly of Sindbis viral glycoproteins. Bonatti S, et al. **Eur J Biochem** 1984 May 2;140(3):499–502
Study of pp60v–src protein kinase activity in synchronized chicken embryo fibroblasts infected with Rous sarcoma virus. Hartmann C, et al. **Exp Cell Res** 1984 Jan; 150(1):242–9
OK10–transformed cell lines: viral component generation and tumorigenicity. Pfeifer–Ohlsson S. **Intervirology** 1984; 21(3):121–33
Cell–free translation of adenovirus 2 E1a– and E1b–specific mRNAs and evidence that E1a–relate[illegible] polypeptides are produced from E1a–E1b overlapping mRNA. Hashimoto S, et al. **J Biol Chem** 1984 Jun 10;259(11):7016–23
Synthesis of herpes simplex virus proteins in interferon–treated human cells. Gloger I, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1107–11
The effect of monensin on virion production and protein secretion in pseudorabies virus–infected cells. Kerr CL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1033–41
Theiler's virus–specified polypeptides made in BHK–21 cells. Lipton HL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1095–100
Synthesis of M protein of HVJ (Sendai virus) in rat glial cells is selectively restricted at a non–permissive temperature. Ogura H, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):639–43
The kinetics of synthesis of early viral proteins in KB cells infected with wild–type and transformation–defective host–range mutants of human adenovirus type 5. Rowe DT, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):585–97
Prostaglandin A inhibits the replication of vesicular stomatitis virus: effect on virus glycoprotein. Santoro MG, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2797–801
Differential effect of interferon on glycoprotein and membrane protein of vesicular stomatitis virus released from murine and simian cells. Drebot MA, et al. **J Interferon Res** 1984 Spring;4(2):167–72
Characterization of temperature–sensitive mutants of simian rotavirus SA11: protein synthesis and morphogenesis. Ramig RF, et al. **J Virol** 1984 Mar;49(3):665–73
Isolation and some properties of bacteriophage alpha3 gene J mutant. Kodaira K, et al. **MGG** 1984;195(3):541–3
Effect of high salt treatment on influenza B viral protein synthesis in MDCK cells. Tsurumi T, et al. **Microbiol Immunol** 1983;27(6):519–29
Protein synthesis in VSV infected CNS, neuroblastoma and BHK cell lines. Marcovistz R, et al. **Microbiologica** 1983 Oct;6(4):293–304
Reduced synthesis of pp60src and expression of the transformation–related phenotype in interferon–treated Rous sarcoma virus–transformed rat cells. Lin SL, et al. **Mol Cell Biol** 1983 Sep;3(9):1656–64
Processing of gPr92env, the precursor to the glycoproteins of Rous sarcoma virus: use of inhibitors of oligosaccharide trimming and glycoprotein transport. Bosch JV, et al. **Virology** 1984 Jan 15;132(1):95–109
Effect of interferon on integrity of vaccinia virus and ribosomal RNA in infected cells. Esteban M, et al. **Virology** 1984 Apr 15;134(1):40–51
The expression of the env gene–related gp66 in mouse cells infected with the helper independent Friend leukemia virus is restricted to the myelomonocytic and mastocytic lineages. Mathieu–Mahul D, et al. **Virology** 1984 Jan 30; 132(2):292–302
Biosynthesis of reovirus–specified polypeptides. Multiplication rate but not yield of reovirus serotypes 1 and 3 correlates with the level of virus–mediated inhibition of cellular protein synthesis. Munemitsu SM, et al. **Virology** 1984 Jul 15;136(1):133–43
Phosphate repression of phage protein synthesis during infection by choleraphage phi 149. Ray P, et al. **Virology** 1984 Jul 15;136(1):110–24
Protein synthesis in Rift Valley fever virus–infected cells. Struthers JK, et al. **Virology** 1984 Apr 15;134(1):118–24
The synthesis of polypeptides in influenza C virus–infected cells. Yokota M, et al. **Virology** 1983 Oct 15;130(1):105–17
Effect of N–phenyl–N'–3–hydroxyphenylthiourea (PTU–23) on the protein synthesis in Krebs–II cells infected with encephalomyocarditis virus. Galabov AS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):306–17
[Alphaviruses, with special reference to their structural proteins] Simizu B. **Uirusu** 1983 Dec;33(2):87–101 (152 ref.) **(Jpn)**
[Prospects and achievements of genetic engineering in development of antiviral vaccines] Tikhonenko TI. **Mol Biol (Mosk)** 1984 Jan–Feb;18(1):176–88 (Eng. Abstr.) **(Rus)**
[Synthesis of virus–specific proteins in a mixed infection caused by various strains of influenza virus A and B] Amvros'eva TV, et al. **Vopr Virusol** 1983 Jul–Aug; 28(4):90–6 (Eng. Abstr.) **(Rus)**
[Virion protein synthesis in the lungs in experimental influenzal infection in animals] Prokudina EN, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):14–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

A synthetic peptide corresponding to the NH2 terminus of vesicular stomatitis virus glycoprotein is a pH–dependent hemolysin. Schlegel R, et al. **J Biol Chem** 1984 Apr 25; 259(8):4691–4

CLASSIFICATION

Comparative study and grouping of nonstructural (NS1) proteins of influenza A viruses by the method of oligopeptide mapping. Sokolov BP, et al. **Arch Virol** 1983; 78(3–4):221–31
Systematic nomenclature of picornavirus proteins. Rueckert RR, et al. **J Virol** 1984 Jun;50(3):957–9
[Comparison of the 35S–methionine oligopeptide maps of influenza A virus NP proteins] Sokolov BP, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):539–42 (Eng. Abstr.) **(Rus)**

GENETICS

High reproduction capacity of recombinants between H3N2 human influenza and fowl plague viruses is due to the gene coding for M proteins. Klimov A, et al. **Acta Virol (Praha)** 1983 Sep;27(5):434–8
Biochemistry of coronaviruses 1983. Mahy BW. **Adv Exp Med Biol** 1984;173:1–10
Using genetically engineered bacteria for vaccine production. Kleid DG. **Ann NY Acad Sci** 1983;413:23–30
Unusual heterogeneity in the glycosylation of the G protein of the hazelhurst strain of vesicular stomatitis virus. Hunt LA, et al. **Arch Biochem Biophys** 1983 Oct 1;226(1):347–56
Unexpected relationships between bacteriophage lambda hypothetical proteins and bacteriophage T4 tail–fiber proteins. George DG, et al. **Biochem Biophys Res Commun** 1983 Sep 30;115(3):1061–8
Low infectivity of vesicular stomatitis virus (VSV) particles released from interferon–treated cells is related to glycoprotein deficiency. Maheshwari RK, et al. **Biochem Biophys Res Commun** 1983 Nov 30;117(1):161–8
Identification of bacteriophage T4D gene 29 product, a baseplate hub component, as a folylpolyglutamate synthetase. Sadewasser DA, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1119–24
Avian retrovirus pp32 DNA binding protein. Preferential binding to the promoter region of long terminal repeat

DNA. Knaus RJ, et al. **Biochemistry** 1984 Jan 17; 23(2):350–9

The differential expression of the cellular src-gene product pp60src and its phosphokinase activity in normal chicken cells and tissues. Barnekow A, et al. **Biochim Biophys Acta** 1984 May 15;782(1):94–102

The polyoma virus oncogenes. Coordinated functions of three distinct proteins in the transformation of rodent cells in culture. Cuzin F. **Biochim Biophys Acta** 1984 Apr 5; 781(3):193–204

Incorporation of modified amino acids into proteins in vivo. Wilson MJ, et al. **Biochim Biophys Acta** 1984 Apr 5; 781(3):205–15 (168 ref.)

Oncogenes and cancer: the p21 ras genes. Shih TY, et al. **Cancer Invest** 1984;2(2):109–23 (88 ref.)

Expression of mammary tumor virus proteins in preneoplastic outgrowth lines and mammary tumors of BALB/cV mice. Slagle BL, et al. **Cancer Res** 1984 May;44(5):2155–62

Temperature-sensitive mutants of avian erythroblastosis virus: surface expression of the erbB product correlates with transformation. Beug H, et al. **Cell** 1984 Apr; 36(4):963–72

Molecular model of a eucaryotic transcription complex: functions and movements of influenza P proteins during capped RNA-primed transcription. Braam J, et al. **Cell** 1983 Sep;34(2):609–18

Transgenic mice harboring SV40 T-antigen genes develop characteristic brain tumors. Brinster RL, et al. **Cell** 1984 Jun;37(2):367–79

Microinjection of mRNA coding for an anti-Golgi antibody inhibits intracellular transport of a viral membrane protein. Burke B, et al. **Cell** 1984 Apr;36(4):847–56

Viral and cellular fos proteins: a comparative analysis. Curran T, et al. **Cell** 1984 Feb;36(2):259–68

Transcription antitermination in vitro by lambda N gene product: requirement for a phage nut site and the products of host nusA, nusB, and nusE genes. Das A, et al. **Cell** 1984 Aug;38(1):165–73

Expression of the PDGF-related transforming protein of simian sarcoma virus in E. coli. Devare SG, et al. **Cell** 1984 Jan;36(1):43–9

Sendai virus contains overlapping genes expressed from a single mRNA. Giorgi C, et al. **Cell** 1983 Dec;35(3 Pt 2):829–36

Expression of a cloned gene segment of poliovirus in E. coli: evidence for autocatalytic production of the viral proteinase. Hanecak R, et al. **Cell** 1984 Jul;37(3):1063–73

The alpha promoter regulator-ovalbumin chimeric gene resident in human cells is regulated like the authentic alpha 4 gene after infection with herpes simplex virus 1 mutants in alpha 4 gene. Herz C, et al. **Cell** 1983 May;33(1):145–51

Nuclear-cytoplasmic transport and VAI RNA-independent translation of influenza viral messenger RNAs in late adenovirus-infected cells. Katze MG, et al. **Cell** 1984 Jun; 37(2):483–90

Subcellular localization of proteins encoded by oncogenes of avian myeloblastosis virus and avian leukemia virus E26 and by chicken c-myb gene. Klempnauer KH, et al. **Cell** 1984 Jun;37(2):537–47

c-fos protein can induce cellular transformation: a novel mechanism of activation of a cellular oncogene. Miller AD, et al. **Cell** 1984 Jan;36(1):51–60

Complete transformation by adenovirus 2 requires both E1A proteins. Montell C, et al. **Cell** 1984 Apr;36(4):951–61

Expression of v-src and chicken c-src in rat cells demonstrates qualitative differences between pp60v-src and pp60c-src. Parker RC, et al. **Cell** 1984 May;37(1):131–9

Identification of functional regions in the transforming protein of Fujinami sarcoma virus by in-phase insertion mutagenesis. Stone JC, et al. **Cell** 1984 Jun;37(2):549–58

Mutagenesis of Fujinami sarcoma virus: evidence that tyrosine phosphorylation of P130gag-fps modulates its biological activity. Weinmaster G, et al. **Cell** 1984 Jun; 37(2):559–68

The erbB gene of avian erythroblastosis virus is a member of the src gene family. Yamamoto T, et al. **Cell** 1983 Nov; 35(1):71–8

A new mechanism for the initiation of replication of phi 29 and adenovirus DNA: priming by the terminal protein. Salas M. **Curr Top Microbiol Immunol** 1984;109:89–106

DNA sequence analysis of the type-common glycoprotein-D genes of herpes simplex virus types 1 and 2. Lasky LA, et al. **DNA** 1984;3(1):23–9

Myeloblasts transformed by the avian acute leukemia virus E26 are hormone-dependent for growth and for the expression of a putative myb-containing protein, p135 E26. Beug H, et al. **EMBO J** 1982;1(9):1069–73

Virus-specific phosphoproteins in simian sarcoma virus-transformed primate cells. Born M, et al. **EMBO J** 1982;1(9):1029–33

Biochemical and genetical characterization of a fiber-defective temperature-sensitive mutant of type 2 adenovirus. Boudin ML, et al. **EMBO J** 1983;2(11):1921–7

Association of gag-myc proteins from avian myelocytomatosis virus wild-type and mutants with chromatin. Bunte T, et al. **EMBO J** 1982;1(8):919–27

Adenovirus E1A protein activation of an integrated viral gene. Curtois G, et al. **EMBO J** 1984 May;3(5):1145–9

Subclasses of simian virus 40 large T antigen: differential binding of two subclasses of T antigen from productively infected cells to viral and cellular DNA. Fanning E, et al. **EMBO J** 1982;1(9):1023–8

Identity of p36K phosphorylated upon Rous sarcoma virus transformation with a protein purified from brush borders; calcium-dependent binding to non-erythroid spectrin and F-actin. Gerke V, et al. **EMBO J** 1984 Jan;3(1):227–33

Simian virus 40 cRNA is processed into functional mRNA in microinjected monkey cells. Graessmann M, et al. **EMBO J** 1982;1(9):1081–8

Localization of T-antigen on simian virus 40 minichromosomes by immunoelectron microscopy. Harper F, et al. **EMBO J** 1984 Jun;3(6):1235–41

A novel mRNA and a low molecular weight polypeptide encoded in the transforming region of adenovirus DNA. Katze MG, et al. **EMBO J** 1982;1(7):783–9

Phosphorylation of specific sites in the gag-myc polyproteins encoded by MC29-type viruses correlates with their transforming ability. Ramsay G, et al. **EMBO J** 1982; 1(9):1111–6

Sequence and cloning of bacteriophage T4 gene 63 encoding RNA ligase and tail fibre attachment activities. Rand KN, et al. **EMBO J** 1984 Feb;3(2):397–402

The immediate-early mRNA that encodes the regulatory polypeptide Vmw 175 of herpes simplex virus type 1 is unspliced. Rixon FJ, et al. **EMBO J** 1982;1(10):1273–7

The head protein D of bacterial virus lambda is related to eukaryotic chromosomal proteins. Witkiewicz H, et al. **EMBO J** 1982;1(12):1559–64

Nucleotide sequence of cucumber-mosaic-virus RNA 2 reveals a translation product significantly homologous to corresponding proteins of other viruses. Rezaian MA, et al. **Eur J Biochem** 1984 Sep 3;143(2):277–84

Partial N-terminal amino acid sequences of polypeptides p14 and p12 of encephalomyocarditis virus are identical and correspond to the N-terminus of the viral polyprotein. Ugarova TYu, et al. **FEBS Lett** 1984 May 21;170(2):339–42

Expression in E. coli of a fusion protein encoded by parts of the SV40 and EBV genomes. Arrand JR. **Folia Biol (Praha)** 1984;30 Spec No:18–28

Expression of a herpes simplex virus glycoprotein in two clonal lines of hamster cells transformed by herpes simplex virus type 2. Kimura S, et al. **Gann** 1984 Apr;75(4):317–24

Expression of the gin and mom genes of bacteriophage Mu. Adley CC, et al. **Gene** 1984 Apr;28(1):17–28

Structure of the bacteriophage lambda cohesive end site: location of the sites of terminase binding (cosB) and nicking (cosN). Feiss M, et al. **Gene** 1983 Oct;24(2–3):207–18

The 19-kDal protein encoded by early region 1b of adenovirus type 12 is synthesized efficiently in Escherichia coli only as a fused protein. Fukui Y, et al. **Gene** 1983 Jul;23(1):1–13

Effect of the sequences upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein. Kastelein RA, et al. **Gene** 1983 Sep; 23(3):245–54

High-level expression in Escherichia coli of the carboxy-terminal sequences of the avian myelocytomatosis virus (MC29) v-myc protein. Lautenberger JA, et al. **Gene** 1983 Jul;23(1):75–84

Expression of poliovirus capsid polypeptide VP1 in Escherichia coli. van der Werf S, et al. **Gene** 1983 Jul; 23(1):85–93

Molecular cloning of cDNA from foot-and-mouth disease virus C1-Santa Pau (C-S8). Sequence of protein-VP1-coding segment. Villanueva N, et al. **Gene** 1983 Aug;23(2):185–94

DNA sequence of the Herpes simplex virus type 2 glycoprotein D gene. Watson RJ. **Gene** 1983 Dec; 26(2–3):307–12

Aphid transmission and a polypeptide are specified by a defined region of the cauliflower mosaic virus genome. Woolston CJ, et al. **Gene** 1983 Jul;23(1):15–23

Expression of the phage lambda recombination genes exo and bet under lacPO control on a multi-copy plasmid. Zagursky RJ, et al. **Gene** 1983 Sep;23(3):277–92

Lambda placMu: a transposable derivative of bacteriophage lambda for creating lacZ protein fusions in a single step. Bremer E, et al. **J Bacteriol** 1984 Jun;158(3):1084–93

Synergistic effect of himA and gyrB mutations: evidence that him functions control expression of ilv and xyl genes. Friedman DI, et al. **J Bacteriol** 1984 Feb;157(2):484–9

Control of bacteriophage lambda CII activity by bacteriophage and host functions. Rattray A, et al. **J Bacteriol** 1984 Jul;159(1):238–42

Instability of bacteriophage lambda initiator O and P proteins in DNA replication. Miwa T, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):331–8

Bacteriophage P1 site-specific recombination. Purification and properties of the Cre recombinase protein. Abremski K, et al. **J Biol Chem** 1984 Feb 10;259(3):1509–14

Mistranslation of the mRNA encoding bacteriophage T7 0.3 protein. Rice JB, et al. **J Biol Chem** 1984 May 25; 259(10):6505–10

Energy requirement for specific transcription initiation by the human RNA polymerase II system. Sawadogo M, et al. **J Biol Chem** 1984 Apr 25;259(8):5321–6

Co-translational excision of alpha-glucose and alpha-mannose in nascent vesicular stomatitis virus G protein. Atkinson PH, et al. **J Cell Biol** 1984 Jun; 98(6):2245–9

Effect of microtubule assembly status on the intracellular processing and surface expression of an integral protein of the plasma membrane. Rogalski AA, et al. **J Cell Biol** 1984 Sep;99(3):1101–9

The influenza A virus nucleoprotein gene controls the induction of both subtype specific and cross-reactive cytotoxic T cells. Townsend AR, et al. **J Exp Med** 1984 Aug 1;160(2):552–63

Determination of the sequence alteration in the DNA of the herpes simplex virus type 1 temperature-sensitive mutant ts K. Davison MJ, et al. **J Gen Virol** 1984 May;65 (Pt 5):859–63

Synthesis of alpha (immediate-early) proteins in Vero cells infected with pseudorabies virus. Fenwick ML, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1449–56

A temperature-sensitive mutant of Newcastle disease virus which is affected in both haemagglutinin-neuraminidase and matrix proteins. Harper DR, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2781–4

Expression of immediate-early genes in herpes simplex virus type 1-infected XC cells: lack of ICP22 (68K) polypeptide. Jacquemont B, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1331–40

Three genes code for rubella virus structural proteins E1, E2a, E2b and C. Kalkkinen N, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1549–57

A single major immediate-early virus gene product is synthesized in cells productively infected with herpesvirus saimiri. Randall RE, et al. **J Gen Virol** 1984 Jul;65 (Pt 7):1215–9

P85gag-mos encoded by ts110 Moloney murine sarcoma virus: rapid at the restrictive temperature. Stanker LH, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2203–11

Friend erythroleukaemia cell mutants defective in viral gene expression. Yokota J, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):429–35

Reduced expression of the isoleucine and valine enzymes in integration host factor mutants of Escherichia coli. Friden P, et al. **J Mol Biol** 1984 Feb 5;172(4):573–9

The complex of T4 bacteriophage gene 44 and 62 replication proteins forms an ATPase that is stimulated by DNA and by T4 gene 45 protein. Mace DC, et al. **J Mol Biol** 1984 Aug 5;177(2):279–93

Role of cII protein in stimulating transcription initiation at the lambda PRE promoter. Enhanced formation and stabilization of open complexes. Shih MC, et al. **J Mol Biol** 1984 Feb 5;172(4):489–506

Attachment of tail fibers in bacteriophage T4 assembly. Identification of the baseplate protein to which tail fibers attach. Urig MA, et al. **J Mol Biol** 1983 Sep 15; 169(2):427–37

Homologous proteins encoded by yeast mitochondrial introns and by a group of RNA viruses from plants. Zimmern D. **J Mol Biol** 1983 Dec 15;171(3):345–52

Expression of defective-interfering influenza virus-specific transcripts and polypeptides in infected cells. Akkina RK, et al. **J Virol** 1984 Aug;51(2):395–403

Early region 1B of adenovirus 2 encodes two coterminal proteins of 495 and 155 amino acid residues. Anderson CW, et al. **J Virol** 1984 May;50(2):387–96

Subcellular localization of glycoproteins encoded by the viral oncogene v-fms. Anderson SJ, et al. **J Virol** 1984 Sep; 51(3):730–41

Guanidine-resistant poliovirus mutants produce modified 37-kilodalton proteins. Anderson-Sillman K, et al. **J Virol** 1984 Jun;50(3):922–8

Immunological characterization of herpes simplex virus type 1 and 2 polypeptide(s) involved in viral ribonucleotide reductase activity. Bacchetti S, et al. **J Virol** 1984 Feb; 49(2):591–3

Positive identification of a measles virus cDNA clone encoding a region of the phosphoprotein. Bellini WJ, et al. **J Virol** 1984 Jun;50(3):939–42

Nucleotide sequence of noncoding regions in Rous-associated virus-2: comparisons delineate conserved regions important in replication and oncogenesis. Bizub D, et al. **J Virol** 1984 Feb;49(2):557–65

Bacteriophage phi 29 proteins required for in vitro DNA-gp3 packaging. Bjornsti MA, et al. **J Virol** 1984 Jun; 50(3):766–72

Coding assignment and nucleotide sequence of simian rotavirus SA11 gene segment 10: location of glycosylation sites suggests that the signal peptide is not cleaved. Both GW, et al. **J Virol** 1983 Nov;48(2):335–9

A transcript from the S segment of the Germiston bunyavirus is uncapped and codes for the nucleoprotein and a nonstructural protein. Bouloy M, et al. **J Virol** 1984 Mar; 49(3):717–23

Nucleotide sequence of the transforming gene of m1 murine sarcoma virus. Brow MA, et al. **J Virol** 1984 Feb; 49(2):579–82

Identification of a tenth mRNA of respiratory syncytial virus and assignment of polypeptides to the 10 viral genes. Collins PL, et al. **J Virol** 1984 Feb;49(2):572–8

Mutations in gag proteins P12 and P15 of Moloney murine leukemia virus block early stages of infection. Crawford S, et al. **J Virol** 1984 Mar;49(3):909–17

Specific interactions of vesicular stomatitis virus L and NS proteins with heterologous genome ribonucleoprotein template lead to mRNA synthesis in vitro. De BP, et al. **J Virol** 1984 Sep;51(3):628–34

Molecular basis of the glycoprotein-C-negative phenotype of herpes simplex virus type 1 macroplaque strain. Draper KG, et al. **J Virol** 1984 Sep;51(3):578–85

Localization of the simian virus 40 small t antigen in the nucleus and cytoplasm of monkey and mouse cells. Ellman

M, et al. J Virol 1984 May;50(2):623–8
A fps gene without gag gene sequences transforms cells in culture and induces tumors in chickens. Foster DA, et al. J Virol 1983 Dec;48(3):744–51
mlt Mutation in the polyomavirus genome impairing a function of the middle T protein. Gelinas C, et al. J Virol 1984 Jul;51(1):242–6
Common features of the yes and src gene products defined by peptide-specific antibodies. Gentry LE, et al. J Virol 1984 Aug;51(2):539–46
Mutations in the major DNA-binding protein gene of herpes simplex virus type 1 result in increased levels of viral gene expression. Godowski PJ, et al. J Virol 1983 Sep; 47(3):478–86
Transcriptional and translational analysis of a strongly expressed early region of the vaccinia virus genome. Golini F, et al. J Virol 1984 Feb;49(2):459–70
Biochemical map of polypeptides specified by foot-and-mouth disease virus. Grubman MJ, et al. J Virol 1984 May;50(2):579–86
O antigen-dependent mutant of bacteriophage T5. Heller KJ, et al. J Virol 1984 Jan;49(1):20–5
Monoclonal antibodies to the transforming protein of Fujinami avian sarcoma virus discriminate between different fps-encoded proteins. Ingman-Baker J, et al. J Virol 1984 May;50(2):572–8
Evidence for translational regulation of herpes simplex virus type 1 gD expression. Johnson DC, et al. J Virol 1984 Aug;51(2):389–94
Neoplastic transformation by E26 leukemia virus is mediated by a single protein containing domains of gag and myb genes. Klempnauer KH, et al. J Virol 1984 Apr;50(1):280–3
Nucleotide sequence of the gag gene and gag-pol junction of feline leukemia virus. Laprevotte I, et al. J Virol 1984 Jun;50(3):884–94
Virally coded noncapsid protein associated with bovine parvovirus infection. Lederman M, et al. J Virol 1984 Feb; 49(2):315–8
Binding of simian virus 40 a protein to DNA with deletions at the origin of replication. Lewton BA, et al. J Virol 1984 Jan;49(1):9–13
Subcellular distribution of viral structural proteins during simian virus 40 infection. Lin W, et al. J Virol 1984 May; 50(2):363–71
Complete nucleotide sequence of the nucleoprotein gene of influenza B virus. Londo DR, et al. J Virol 1983 Sep; 47(3):642–8
Suppression of a VP1 mutant of simian virus 40 by missense mutations in serine codons of the viral agnogene. Margolskee RF, et al. J Virol 1983 Nov;48(2):405–9
Two base changes restore infectivity to a noninfectious molecular clone of Moloney murine leukemia virus (pMLV-1). Miller AD, et al. J Virol 1984 Jan;49(1):214–22
Polypeptide synthesis directed by bacteriophage phi W-14 and by mutants defective in DNA synthesis. Miller PB, et al. J Virol 1984 May;50(2):529–32
Oligomerization of simian virus 40 large T antigen is not necessarily repressed by temperature-sensitive A gene lesions. Montenarh M, et al. J Virol 1984 Mar;49(3):658–64
ATP is required for initiation of poliovirus RNA synthesis in vitro: demonstration of tyrosine-phosphate linkage between in vitro-synthesized RNA and genome-linked protein. Morrow CD, et al. J Virol 1984 May;50(2):515–23
Activities of polyomavirus large-T-antigen proteins expressed by mutant genes. Nilsson SV, et al. J Virol 1984 Sep;51(3):768–75
Nucleotide sequence of human rotavirus genome segment 10, an RNA encoding a glycosylated virus protein. Okada Y, et al. J Virol 1984 Sep;51(3):856–9
The gene order for rubella virus structural proteins is NH2-C-E2-E1-COOH. Oker-Blom C. J Virol 1984 Aug; 51(2):354–8
Rubella virus 40S genome RNA specifies a 24S subgenomic mRNA that codes for a precursor to structural proteins. Oker-Blom C, et al. J Virol 1984 Feb;49(2):403–8
Nucleotide sequences of gag-pol regions that determine the Fv-1 host range property of BALB/c N-tropic and B-tropic murine leukemia viruses. Ou CY, et al. J Virol 1983 Dec;48(3):779–84
N protein alone satisfies the requirement for protein synthesis during RNA replication of vesicular stomatitis virus. Patton JT, et al. J Virol 1984 Feb;49(2):303–9
Mutation in the matrix protein of Newcastle disease virus can result in decreased fusion glycoprotein incorporation into particles and decreased infectivity. Peeples ME, et al. J Virol 1984 Jul;51(1):81–90
ATP dependence of vesicular stomatitis virus transcription initiation and modulation by mutation in the nucleocapsid protein. Perrault J, et al. J Virol 1984 Sep;51(3):635–42
Role of the mitogenic property and kinase activity of p60src in tumor formation by Rous sarcoma virus. Poirier F, et al. J Virol 1984 Feb;49(2):325–32
Genetic variation among lentiviruses: homology between visna virus and caprine arthritis-encephalitis virus is confined to the 5' gag-pol region and a small portion of the env gene. Pyper JM, et al. J Virol 1984 Sep; 51(3):713–21
Proteins encoded by the long terminal repeat region of mouse mammary tumor virus: identification by hybrid-selected translation. Racevskis J, et al. J Virol 1984 Sep;51(3):604–10
Characterization of the major mRNAs transcribed from the genes for glycoprotein B and DNA-binding protein ICP8 of herpes simplex virus type 1. Rafield LF, et al. J Virol 1984 Mar;49(3):960–9
A 61,000-dalton truncated large T-antigen is uniformly expressed in hamster cells transformed by polyomavirus. Rey-Bellet V, et al. J Virol 1984 May;50(2):587–97
Nucleotide sequence of the gene encoding the serotype-specific antigen of human (Wa) rotavirus: comparison with the homologous genes from simian SA11 and UK bovine rotaviruses. Richardson MA, et al. J Virol 1984 Sep;51(3):860–2
Detection of the v-abl gene product at cell-substratum contact sites in Abelson murine leukemia virus-transformed fibroblasts. Rohrschneider LR, et al. J Virol 1984 Aug; 51(2):547–52
Comparison of the DNA sequence of the Crawford small-plaque variant of polyomavirus with those of polyomaviruses A2 and strain 3. Rothwell VM, et al. J Virol 1983 Nov;48(2):472–80
Nucleotide sequence of the gene encoding respiratory syncytial virus matrix protein. Satake M, et al. J Virol 1984 Apr;50(1):92–9
Differential phosphorylation of cytoplasmic and nuclear variants of simian virus 40 large T antigen encoded by simian virus 40-adenovirus 7 hybrid viruses. Scheidtmann KH, et al. J Virol 1984 May;50(2):636–40
Mutations in the gag gene of Moloney murine leukemia virus: effects on production of virions and reverse transcriptase. Schwartzberg P, et al. J Virol 1984 Mar;49(3):918–24
Nucleotide sequence of an infectious molecularly cloned genome of ground squirrel hepatitis virus. Seeger C, et al. J Virol 1984 Aug;51(2):367–75
Processing of N-linked oligosaccharides from precursor- to mature-form herpes simplex virus type 1 glycoprotein gC. Serafini-Cessi F, et al. J Virol 1984 Sep;51(3):838–44
Bacteriophage T4 bypass31 mutations that make gene 31 nonessential for bacteriophage T4 replication: isolation and characterization. Simon LD, et al. J Virol 1984 Aug; 51(2):321–8
Photoaffinity labeling with GTP of viral p21 ras protein expressed in Escherichia coli. Stein RB, et al. J Virol 1984 May;50(2):343–51
Structural analysis of the major immediate early gene of human cytomegalovirus. Stenberg RM, et al. J Virol 1984 Jan;49(1):190–9
Coronavirus multiplication: locations of genes for virion proteins on the avian infectious bronchitis virus genome. Stern DF, et al. J Virol 1984 Apr;50(1):22–9
A membrane-associated, carbohydrate-modified form of the v-abl protein that cannot be phosphorylated in vivo or in vitro. Watanabe SM, et al. J Virol 1984 Sep;51(3):620–7
Isolation, characterization, and physical mapping of a pseudorabies virus mutant containing antigenically altered gp50. Wathen MW, et al. J Virol 1984 Jul;51(1):57–62
Further genetic localization of the transforming sequences of the p21 v-ras gene of Harvey murine sarcoma virus. Willumsen BM, et al. J Virol 1984 Feb;49(2):601–3
Mapping of a gene coding for a major late structural polypeptide on the vaccinia virus genome. Wittek R, et al. J Virol 1984 Feb;49(2):371–8
Variation in p30-related proteins in gross virus-induced tumor cell lines derived from H-2 congenic mice. Wolfe JH, et al. J Virol 1984 Jan;49(1):14–9
Mapping of the structural gene for the herpes simplex virus type 2 counterpart of herpes simplex virus type 1 glycoprotein C and identification of a type 2 mutant which does not express this glycoprotein. Zezulak KM, et al. J Virol 1984 Mar;49(3):741–7
Construction and functional characterization of polyomavirus genomes that separately encode the three early proteins. Zhu ZY, et al. J Virol 1984 Jul;51(1):170–80
Biosynthesis of myxovirus glycoproteins with special emphasis on mutants defective in glycoprotein processing. Klenk HD. Methods Enzymol 1983;96:434–43
Expression of viral membrane proteins from cloned cDNA by microinjection into eukaryotic cell nuclei. Timm B, et al. Methods Enzymol 1983;96:496–511
Structure and function of mutants in the P gene of bacteriophage lambda leading to the pi phenotype. Reiser W, et al. MGG 1983;192(3):430–5
Evidence that the cro repressor inhibits expression of the bacteriophage lambda P gene at high multiplicities of infection. Zambetti GP, et al. MGG 1984;193(2):322–6
Control of Herpes simplex virus thymidine kinase gene expression in Saccharomyces cerevisiae by a yeast promoter sequence. Zhu XL, et al. MGG 1984; 194(1–2):31–41
Cellular src gene product detected in the freshwater sponge Spongilla lacustris. Barnekow A, et al. Mol Cell Biol 1984 Jun;4(6):1179–81
Amino acid alterations within a highly conserved region of the Rous sarcoma virus src gene product pp60src inactivate tyrosine protein kinase activity. Bryant DL, et al. Mol Cell Biol 1984 May;4(5):862–6
Size-variant pp60src proteins of recovered avian sarcoma viruses interact with adhesion plaques as peripheral membrane proteins: effects on cell transformation. Krueger JG, et al. Mol Cell Biol 1984 Mar;4(3):454–67
Simian virus 40 large T-antigen point mutants that are defective in viral DNA replication but competent in oncogenic transformation. Manos MM, et al. Mol Cell Biol 1984 Jun;4(6):1125–33
Conversion through homologous recombination of the gene encoding Simian virus 40 115,000-molecular-weight super T antigen to a gene encoding a normal-size large T antigen variant. May P, et al. Mol Cell Biol 1984 Jun;4(6):1141–51
Rous sarcoma virus contains sequences which permit expression of the gag gene in Escherichia coli. Mermer B, et al. Mol Cell Biol 1983 Oct;3(10):1746–58
Expression of herpes simplex virus beta and gamma genes integrated in mammalian cells and their induction by an alpha gene product. Sandri-Goldin RM, et al. Mol Cell Biol 1983 Nov;3(11):2028–44
Construction and expression of a recombinant DNA gene encoding a polyomavirus middle-size tumor antigen with the carboxyl terminus of the vesicular stomatitis virus glycoprotein G. Templeton D, et al. Mol Cell Biol 1984 Feb;4(2):282–9
Sequence and topology of a model intracellular membrane protein, E1 glycoprotein, from a coronavirus. Armstrong J, et al. Nature 1984 Apr 19–25;308(5961):751–2
Transmission of the polyoma virus middle T gene as the oncogene of a murine retrovirus. Donoghue DJ, et al. Nature 1984 Apr 19–25;308(5961):748–50
Sequence requirements for nuclear location of simian virus 40 large-T antigen. Kalderon D, et al. Nature 1984 Sep 6–11;311(5981):33–8
Sequence similarity between putative gene products of geminiviral DNAs [letter] Kikuno R, et al. Nature 1984 Apr 5–11;308(5959):562
Structural and immunological similarities between simian sarcoma virus gene product(s) and human platelet-derived growth factor. Robbins KC, et al. Nature 1983 Oct 13–19; 305(5935):605–8
Structure of the FMDV translation initiation site and of the structural proteins. Beck E, et al. Nucleic Acids Res 1983 Nov 25;11(22):7873–85
Nucleotide sequence of the dsRNA genomic segment 7 of Simian 11 rotavirus. Both GW, et al. Nucleic Acids Res 1984 Feb 10;12(3):1621–6
Cloning and nucleotide sequence of the simian rotavirus gene 6 that codes for the major inner capsid protein. Estes MK, et al. Nucleic Acids Res 1984 Feb 24;12(4):1875–87
A detailed analysis of an HSV-1 early promoter: sequences involved in trans-activation by viral immediate-early gene products are not early-gene specific. Everett RD. Nucleic Acids Res 1984 Apr 11;12(7):3037–56
DNA sequence elements required for regulated expression of the HSV-1 glycoprotein D gene lie within 83 bp of the RNA capsites. Everett RD. Nucleic Acids Res 1983 Oct 11;11(19):6647–66
Nucleotide sequence of the 5' noncoding region and part of the gag gene of mouse mammary tumor virus; identification of the 5' splicing site for subgenomic mRNAs. Fasel N, et al. Nucleic Acids Res 1983 Oct 25; 11(20):6943–55
Gene A protein cleavage of recombinant plasmids containing the phi X174 replication origin. Fluit AC, et al. Nucleic Acids Res 1984 Aug 24;12(16):6443–54
Homology between two EBV early genes and HSV ribonucleotide reductase and 38K genes. Gibson T, et al. Nucleic Acids Res 1984 Jun 25;12(12):5087–99
Nucleotide sequence of the Agrobacterium tumefaciens octopine Ti plasmid-encoded tmr gene. Heidekamp F, et al. Nucleic Acids Res 1983 Sep 24;11(18):6211–23
Overproduction and purification of the connector protein of Bacillus subtilis phage phi 29. Ibáñez C, et al. Nucleic Acids Res 1984 Mar 12;12(5):2351–65
The bacteriophage lambda O and P protein initiators promote the replication of single-stranded DNA. LeBowitz JH, et al. Nucleic Acids Res 1984 Apr 11;12(7):3069–88
Initiation of phage phi 29 DNA replication by the terminal protein modified at the carboxyl end. Mellado RP, et al. Nucleic Acids Res 1983 Nov 11;11(21):7397–407
The nucleotide and deduced amino acid sequences of the encephalomyocarditis viral polyprotein coding region. Palmenberg AC, et al. Nucleic Acids Res 1984 Mar 26; 12(6):2969–85
Nucleotide sequence of reovirus genome segment S3, encoding non-structural protein sigma NS. Richardson MA, et al. Nucleic Acids Res 1983 Sep 24;11(18):6399–408
Specific binding of the adenovirus terminal protein precursor-DNA polymerase complex to the origin of DNA replication. Rijnders AW, et al. Nucleic Acids Res 1983 Dec 20;11(24):8777–89
Sequence of 3,687 nucleotides from the 3' end of Sendai virus genome RNA and the predicted amino acid sequences of viral NP, P and C proteins. Shioda T, et al. Nucleic Acids Res 1983 Nov 11;11(21):7317–30
Mapping of the genes coding for the two major vaccinia virus core polypeptides. Wittek R, et al. Nucleic Acids Res 1984 Jun 25;12(12):4835–48
Altered mRNA splicing in monkey cells abortively infected with human adenovirus may be responsible for inefficient synthesis of the virion fiber polypeptide. Anderson KP, et al. Proc Natl Acad Sci USA 1984 Jul;81(13):4023–7
An evolutionary tree relating eight alphaviruses, based on amino-terminal sequences of their glycoproteins. Bell JR, et al. Proc Natl Acad Sci USA 1984 Aug;81(15):4702–6
Stimulation of simian virus 40 late gene expression by simian virus 40 tumor antigen. Brady J, et al. Proc Natl Acad Sci USA 1984 Apr;81(7):2040–4
Transformation by polyoma virus is drastically reduced by substitution of phenylalanine for tyrosine at residue 315 of middle-sized tumor antigen. Carmichael G, et al.

Proc Natl Acad Sci USA 1984 Feb;81(3):679–83

Identification and mapping of polypeptides encoded by the P3HR–1 strain of Epstein–Barr virus. Cohen LK, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(13):4183–7

Genome–linked protein VPg of poliovirus is present as free VPg and VPg–pUpU in poliovirus–infected cells. Crawford NM, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7452–5

Nature and origin of the RNA associated with simian virus 40 large tumor antigen. Darlix JL, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5425–9

Avian sarcoma virus gag and env gene structural protein precursors contain a common amino–terminal sequence. Ficht TA, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(2):362–6

Template requirements for initiation of phage phi 29 DNA replication in vitro. García JA, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):80–4

Genetic analysis of the folding pathway for the tail spike protein of phage P22. Goldenberg DP, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(23):7060–4

ob17 cells transformed by the middle–T–only gene of polyoma virus differentiate in vitro and in vivo into adipose cells. Grimaldi P, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(17):5440–4

Defining a bacteriophage T4 late promoter: bacteriophage T4 gene 55 protein suffices for directing late promoter recognition. Kassavetis GA, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(16):5101–5

Possible DNA–RNA tumor virus interaction in human lymphomas: expression of retroviral proteins in Ramos lymphoma lines is enhanced after conversion with Epstein–Barr virus. Lasky RD, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):33–7

Cloning and physical mapping of a gene fragment coding for a 64–kilodalton major late antigen of human cytomegalovirus. Pande H, et al. **Proc Natl Acad Sci USA** 1984 Aug;81(15):4965–9

Construction of live vaccines using genetically engineered poxviruses: biological activity of vaccinia virus recombinants expressing the hepatitis B virus surface antigen and the herpes simplex virus glycoprotein D. Paoletti E, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(1):193–7

A genetic switch in vitro: DNA inversion by Gin protein of phage Mu. Plasterk RH, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2689–92

The presence of cysteine in the cytoplasmic domain of the vesicular stomatitis virus glycoprotein is required for palmitate addition. Rose JK, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2050–4

Assembly in vitro of a spanning membrane protein of the endoplasmic reticulum: the E1 glycoprotein of coronavirus mouse hepatitis virus A59. Rottier P, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1421–5

Evidence that the Rous sarcoma virus transforming gene product phosphorylates phosphatidylinositol and diacylglycerol. Sugimoto Y, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2117–21

Membrane–dependent uridylylation of the genome–linked protein VPg of poliovirus. Takegami T, et al. **Proc Natl Acad Sci USA** 1983 Dec;80(24):7447–51

Role of polyoma T antigens in malignant cell transformation. Eckhart W. **Prog Nucleic Acid Res Mol Biol** 1983;29:119–25

Comparative tryptic peptide analysis of P85gag–mos of Mo–MuSV ts–110 and the P38–P23 mos–related products of wild–type virus. Murphy EC Jr, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:141–4

Molecular interaction of the src gene product with cellular adhesion plaques. Rohrschneider LR, et al. **Prog Nucleic Acid Res Mol Biol** 1983;29:233–44

Identification of the RNA segments encoding some structural polypeptides of Nebraska Calf Diarrhea virus. Arias C, et al. **Rev Latinoam Microbiol** 1982 Jan–Mar;24(1):47–54

Detection of antibodies to herpes simplex virus with a continuous cell line expressing cloned glycoprotein D. Berman PW, et al. **Science** 1983 Nov 4;222(4623):524–7

Antigens encoded by the 3'–terminal region of human T–cell leukemia virus: evidence for a functional gene. Lee TH, et al. **Science** 1984 Oct 5;226(4670):57–61

Primary structure of v–raf: relatedness to the src family of oncogenes. Mark GE, et al. **Science** 1984 Apr 20; 224(4646):285–9

Gene product of v–fgr onc: hybrid protein containing a portion of actin and a tyrosine–specific protein kinase. Naharro G, et al. **Science** 1984 Jan 6;223(4631):63–6

The sequences of the N protein gene and intergenic region of the S RNA of pichinde arenavirus. Auperin DD, et al. **Virology** 1984 Apr 15;134(1):208–19

Intracellular distribution of poliovirus proteins and the induction of virus–specific cytoplasmic structures. Bienz K, et al. **Virology** 1983 Nov;131(1):39–48

Nucleotide sequence of a region of the herpes simplex virus type 1 gB glycoprotein gene: mutations affecting rate of virus entry and cell fusion. Bzik DJ, et al. **Virology** 1984 Aug;137(1):185–90

The avian sarcoma virus PRCII lacks 1020 nucleotides of the fps transforming gene. Carlberg K, et al. **Virology** 1984 May;135(1):157–67

Early proteins are required for the formation of frog virus 3 assembly sites. Chinchar VG, et al. **Virology** 1984 May; 135(1):148–56

Complete amino acid sequence of the basic nucleic acid binding protein of feline leukemia virus. Copeland TD, et al. **Virology** 1984 Feb;133(1):137–45

The autonomous parvovirus MVM encodes two nonstructural proteins in addition to its capsid polypeptides. Cotmore SF, et al. **Virology** ,983 Sep;129(2):333–43

FBR murine osteosarcoma virus. I. Molecular analysis and characterization of a 75,000–Da gag–fos fusion product. Curran T, et al. **Virology** 1984 May;135(1):218–28

Cell lines derived from tumors induced in syngeneic rats by FR 3T3 SV40 transformants no longer synthesize the early viral proteins. de Lapeyriere O, et al. **Virology** 1984 May; 135(1):74–86

Recombinants of Mahoney and Sabin strain poliovirus type 1: analysis of in vitro phenotypic markers and evidence that resistance to guanidine maps in the nonstructural proteins. Emini EA, et al. **Virology** 1984 Aug;137(1):74–85

Minor protein content of the gene V protein/phage single–stranded DNA complex of the filamentous bacteriophage f1. Grant RA, et al. **Virology** 1984 Mar; 133(2):315–28

The bacteriophage f1 morphogenetic signal and the gene V protein/phage single–stranded DNA complex. Grant RA, et al. **Virology** 1984 Mar;133(2):329–40

Identification of gag and env gene products of human T–cell leukemia virus (HTLV). Hattori S, et al. **Virology** 1984 Jul 30;136(2):338–47

SV40 deletion mutant (d1861) with agnoprotein shortened by four amino acids. Hay N, et al. **Virology** 1984 Aug; 137(1):160–70

Early intermediates in bacteriophage lambda prohead assembly. II. Identification of biologically active intermediates. Kochan J, et al. **Virology** 1983 Nov; 131(1):100–15

Expression of unspliced NS1 mRNA, spliced NS2 mRNA, and a spliced chimera mRNA from cloned influenza virus NS DNA in an SV40 vector. Lamb RA, et al. **Virology** 1984 May;135(1):139–47

Characterization of an influenza A host range mutant. Maassab HF, et al. **Virology** 1983 Oct 30;130(2):342–50

JC virus–induced owl monkey glioblastoma cells in culture: biological properties associated with the viral early gene product. Major EO, et al. **Virology** 1984 Jul 30; 136(2):359–67

Assignment of the genome segments of bluetongue virus type 1 to the proteins which they encode. Mertens PP, et al. **Virology** 1984 May;135(1):207–17

Physical mapping of human cytomegalovirus genes: identification of DNA sequences coding for a virion phosphoprotein of 71 kDa and a viral 65–kDa polypeptide. Nowak B, et al. **Virology** 1984 Apr 15;134(1):91–102

Immunological analysis of v–myc gene products using antibodies against a myc–specific synthetic peptide. Patschinsky T, et al. **Virology** 1984 Jul 30;136(2):348–58

Fine mapping of mutations in the fusion–inducing MP strain of herpes simplex virus type 1. Pogue–Geile KL, et al. **Virology** 1984 Jul 15;136(1):100–9

Subcellular localization of the v–erb–B protein, the product of a transforming gene of avian erythroblastosis virus. Privalsky ML, et al. **Virology** 1984 Jun;135(2):356–68

Two forms of poliovirus VPg result from amino acid modification of a single viral protein. Richards OC, et al. **Virology** 1984 Jul 30;136(2):453–6

Impaired cleavage of the joint gag–pol polyprotein precursor and virion assembly in a temperature–sensitive mutant of Rous sarcoma virus. Ro JH, et al. **Virology** 1984 Jun; 135(2):489–502

Myristylation of gag–onc fusion proteins in mammalian transforming retroviruses. Schultz A, et al. **Virology** 1984 Mar;133(2):431–7

Processing of herpes simplex virus–1 glycans in cells defective in glycosyl transferases of the Golgi system: relationship to cell fusion and virion egress. Serafini–Cessi F, et al. **Virology** 1983 Nov;131(1):59–70

Antibodies specific for the phi 29 terminal protein inhibit the initiation of DNA replication in vitro. Shih MF, et al. **Virology** 1984 Feb;133(1):56–64

A mutation at the major phosphotyrosine in pp60v–src alters oncogenic potential. Snyder MA, et al. **Virology** 1984 Jul 30;136(2):375–86

Differences between translation products of tick–borne encephalitis virus RNA in cell–free systems from Krebs–2 cells and rabbit reticulocytes: involvement of membranes in the processing of nascent precursors of flavivirus structural proteins. Svitkin YV, et al. **Virology** 1984 Jun; 135(2):536–41

Simian virus 40 specific cytotoxic lymphocyte clones localize two distinct TSTA sites on cells synthesizing a 48 kD SV40 T antigen. Tevethia SS, et al. **Virology** 1984 Mar; 133(2):443–7

Translational order of bovine leukemia virus gag and env gene–coded proteins. Uckert W, et al. **Virology** 1984 May; 135(1):288–92

Morphological transformation of human adenoviruses is determined to a large extent by gene products of region E1a. van den Elsen PJ, et al. **Virology** 1983 Nov; 131(1):242–6

Nucleotide sequence of gene segment 9 encoding a nonstructural protein of UK bovine rotavirus. Ward CW, et al. **Virology** 1984 Apr 15;134(1):249–53

Transforming proteins of fujinami and PRCII avian sarcoma viruses have different subcellular locations. Woolford J, et al. **Virology** 1984 May;135(1):168–80

[Possible mechanism of specific protein–nucleic acid interaction] Permogorov VI, et al. **Mol Biol (Mosk)** 1984 May–Jun;18(3):676–80 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Structural proteins of equine infectious anemia virus and their antigenic activity. Nishimura M, et al. **Am J Vet Res** 1984 Jan;45(1):5–10

Enzyme–linked immunosorbent assay for detection of equine infectious anemia antibody to purified P26 viral protein. Shen DT, et al. **Am J Vet Res** 1984 Aug;45(8):1542–3

The distribution of large T antigen in simian virus 40 nucleoprotein complexes. Milthorp P, et al. **Can J Microbiol** 1984 May;30(5):622–31

The leader RNA of vesicular stomatitis virus is bound by a cellular protein reactive with anti–La lupus antibodies. Kurilla MG, et al. **Cell** 1983 Oct;34(3):837–45

Antibodies against synthetic peptides as a tool for functional analysis of the transforming protein pp60src. Tamura T, et al. **Cell** 1983 Sep;34(2):587–96

Antigenicity and immunogenicity of poliovirus capsid proteins. van Wezel AL, et al. **Dev Biol Stand** 1983; 55:209–15

An antibody to a synthetic peptide that recognises SV40 small–t antigen. Harvey R, et al. **EMBO J** 1982;1(4):473–7

A poliovirus type 1 neutralization epitope is located within amino acid residues 93 to 104 of viral capsid polypeptide VP1. Wychowski C, et al. **EMBO J** 1983;2(11):2019–24

Binding sites for monoclonal antibodies and for mRNPs on SV40 large T–antigen determined with a cleavage map. Schwyzer M, et al. **Eur J Biochem** 1983 Dec 1; 137(1–2):303–9

A monoclonal antibody that defines p24, a core protein of adult T–cell leukemia virus, and its precursor. Fujii M, et al. **Gann** 1984 Jul;75(7):595–602

Monoclonal antibodies specific for the virion polypeptide, p27, of avian retroviruses. Parsons SJ, et al. **Hybridoma** 1984;3(1):25–31

Antibodies against three purified structural proteins of the human type–C retrovirus, HTLV, in Japanese adult T–cell leukemia patients, healthy family members, and unrelated normals. Schüpbach J, et al. **Int J Cancer** 1983 Nov 15; 32(5):583–90

Effect of acyclovir treatment of primary genital herpes on the antibody response to herpes simplex virus. Ashley RL, et al. **J Clin Invest** 1984 Mar;73(3):681–8

Use of the biotin–avidin system to study the specificity of antibodies against respiratory syncytial virus. Anderson LJ, et al. **J Clin Microbiol** 1984 Jun;19(6):934–6

Respiratory syncytial virus detection by immunofluorescence in nasal secretions with monoclonal antibodies against selected surface and internal proteins. Kim HW, et al. **J Clin Microbiol** 1983 Dec;18(6):1399–404

Production and characterization of monoclonal antibodies specific for a glycosylated polypeptide of human cytomegalovirus. Kim KS, et al. **J Clin Microbiol** 1983 Aug;18(2):331–43

Reaction pattern of immunoglobulin M and G antibodies to echovirus 11 structural proteins. Reigel F, et al. **J Clin Microbiol** 1984 Jun;19(6):870–4

Monoclonal antibodies against human T cell leukemia–lymphoma virus (HTLV) p24 internal core protein. Use as diagnostic probes and cellular localization of HTLV. Palker TJ, et al. **J Exp Med** 1984 Apr 1; 159(4):1117–31

Monoclonal antibodies to human respiratory syncytial virus and their use in comparison of different virus isolates. Gimenez HB, et al. **J Gen Virol** 1984 May;65 (Pt 5):963–71

Four independent antigenic determinants on the capsid polypeptides of aphthovirus. Haresnape JM, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2345–55

Location of an immunizing determinant within polypeptide VP1 of type O aphthovirus. Haresnape JM, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2357–65

Monoclonal antibodies reactive with the surface and secreted glycoproteins of Marek's disease virus and herpesvirus of turkeys. Ikuta K, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2597–610

Successful use of oligopeptides as immunogens in the preparation of antisera to immediate–early gene products of herpes simplex virus type 1. Palfreyman JW, et al. **J Gen Virol** 1984 May;65 (Pt 5):865–74

Antigenic variation of HVJ (Sendai virus) HN glycoprotein detectable by monoclonal antibodies during persistent infection. Sato H, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):185–9

Sheep pulmonary adenomatosis: demonstration of a protein which cross–reacts with the major core proteins of Mason–Pfizer monkey virus and mouse mammary tumour virus. Sharp JM, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2323–7

Cross–reactivity between enteric adenoviruses and adenovirus type 4: analysis of epitopes by solid–phase immune electron microscopy. Svensson L, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2517–20

Human natural killer cell recognition of herpes simplex virus type 1 glycoproteins: specificity analysis with the use of monoclonal antibodies and antigenic variants. Bishop GA, et al. **J Immunol** 1984 Oct;133(4):2206–14

Monoclonal antibodies as functional probes of the HN glycoprotein of Newcastle disease virus: antigenic

separation of the hemagglutinating and neuraminidase sites. Iorio RM, et al. **J Immunol** 1984 Oct;133(4):2215–9
Cloned cytotoxic T lymphocytes recognize cells expressing discrete fragments of the SV40 tumor antigen. O'Connell KA, et al. **J Immunol** 1984 Feb;132(2):953–8
The reactions of monoclonal antibodies with structural proteins of mumps virus. Orvell C. **J Immunol** 1984 May; 132(5):2622–9
Humoral antibody response to individual viral proteins after murine cytomegalovirus infection. Selgrade MK, et al. **J Immunol** 1983 Dec;131(6):3032–5
A simple method for immune analysis of proteins following sodium dodecyl sulph... polyacrylamide gel electrophoresis. Cleator GM, et al. **J Immunol Methods** 1984 Mar 16;67(2):347–51
Electrophoretic protein transfer applied to immunoelectrophoresis. Lum MA, et al. **J Immunol Methods** 1983 Nov 25;64(3):377–82
Relative titers of antibodies to individual polypeptide antigens of herpes simplex virus type 1 in human sera. Eberle R, et al. **J Infect Dis** 1983 Sep;148(3):436–44
Herpes simplex virus type-2 glycoprotein-subunit vaccine: tolerance and humoral and cellular responses in humans. Mertz GJ, et al. **J Infect Dis** 1984 Aug;150(2):242–9
Monoclonal antibodies to herpes simplex virus type 1 glycoproteins show that epitope location influences virus neutralization. La Thangue NB, et al. **J Med Virol** 1984; 13(3):227–42
Mumps virus infection of the developing mouse brain—appearance of structural virus proteins demonstrated with monoclonal antibodies. Kristensson K, et al. **J Neuropathol Exp Neurol** 1984 Mar;43(2):131–40
Comparison of the major antigenic determinants of different serotypes of foot-and-mouth disease virus. Cheung A, et al. **J Virol** 1983 Nov;48(2):451–9
Localization and synthesis of an antigenic determinant of herpes simplex virus glycoprotein D that stimulates the production of neutralizing antibody. Cohen GH, et al. **J Virol** 1984 Jan;49(1):102–8
Immunogenicity of herpes simplex virus glycoproteins gC and gB and their role in protective immunity. Glorioso J, et al. **J Virol** 1984 Jun;50(3):805–12
Production and preliminary characterization of monoclonal antibodies directed at two surface proteins of rhesus rotavirus. Greenberg HB, et al. **J Virol** 1983 Aug; 47(2):267–75
Monoclonal antibodies to newcastle disease virus: delineation of four epitopes on the HN glycoprotein. Iorio RM, et al. **J Virol** 1983 Nov;48(2):440–50
Only site-directed antibodies reactive with the highly conserved src-homologous region of the v-abl protein neutralize kinase activity. Konopka JB, et al. **J Virol** 1984 Jul;51(1):223–32
Uukuniemi virus maturation: immunofluorescence microscopy with monoclonal glycoprotein-specific antibodies. Kuismanen E, et al. **J Virol** 1984 Jul; 51(1):137–46
Protection against lethal viral infection by neutralizing and nonneutralizing monoclonal antibodies: distinct mechanisms of action in vivo. Lefrancois L. **J Virol** 1984 Jul;51(1):208–14
An oligomeric form of simian virus 40 large T-antigen is immunologically related to the cellular tumor antigen p53. Leppard KN, et al. **J Virol** 1984 May;50(2):457–64
Isolation of monoclonal antibodies that recognize the transforming proteins of avian sarcoma viruses. Lipsich LA, et al. **J Virol** 1983 Nov;48(2):352–60
Immunogenic proteins of feline rhinotracheitis virus. Maes RK, et al. **J Virol** 1984 Jul;51(1):259–62
Localization of a type-specific antigenic site on herpes simplex virus type 2 glycoprotein D. Rawls WE, et al. **J Virol** 1984 Jul;51(1):263–5
Anti-idiotypic antibodies induce neutralizing antibodies to rabies virus glycoprotein. Reagan KJ, et al. **J Virol** 1983 Dec;48(3):660–6
Human cellular immune response to measles virus polypeptides. Rose JW, et al. **J Virol** 1984 Mar;49(3):988–91
Analysis of adenovirus transforming proteins from early regions 1A and 1B with antisera to inducible fusion antigens produced in Escherichia coli. Spindler KR, et al. **J Virol** 1984 Jan;49(1):132–41
Type-specific and cross-reactive antigenicity of capsid proteins VP1 and VP2 of echovirus type 7. Hasegawa A, et al. **Microbiol Immunol** 1983;27(10):869–76
Protein kinase activities in immune complexes of simian virus 40 large T-antigen and transformation-associated cellular p53 protein. Van Roy F, et al. **Mol Cell Biol** 1984 Feb; 4(2):232–9
The antibody response to a single antigenic determinant of the tobacco mosaic virus protein: analysis using monoclonal antibodies, mutant proteins and synthetic peptides. Morrow PR, et al. **Mol Immunol** 1984 Apr;21(4):301–9
Antibodies to a scrapie prion protein. Bendheim PE, et al. **Nature** 1984 Aug 2–8;310(5976):418–21
Glycoprotein C of herpes simplex virus 1 acts as a receptor for the C3b complement component on infected cells. Friedman HM, et al. **Nature** 1984 Jun 14–20; 309(5969):633–5
Poliovirus antigenic sites and vaccines [letter] Wimmer E, et al. **Nature** 1984 Mar 1–7;308(5954):19
Use of monoclonal antibodies against avian retroviral protein p19 for competitive radioimmunoassay and immunodiffusion. Poláková K, et al. **Neoplasma** 1983; 30(6):637–41
Human T-cell leukemia virus-associated membrane antigens: identity of the major antigens recognized after virus infection. Lee TH, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3856–60
The study of molecular functions of the transforming protein PP60SRC of Rous sarcoma virus by the use of monospecific antibodies. Bauer H, et al. **Prog Clin Biol Res** 1983;132B:19–33
Peptide priming of a poliovirus neutralizing antibody response. Wimmer E, et al. **Rev Infect Dis** 1984 May–Jun; 6 Suppl 2:S505–9
Antibodies to the core protein of lymphadenopathy-associated virus (LAV) in patients with AIDS. Kalyanaraman VS, et al. **Science** 1984 Jul 20; 225(4659):321–3
Antigens on HTLV-infected cells recognized by leukemia and AIDS sera are related to HTLV viral glycoprotein. Schüpbach J, et al. **Science** 1984 May 11;224(4649):607–10
Antigenic variation in the influenza A virus nonstructural protein, NS1. Brown LE, et al. **Virology** 1983 Oct 15; 130(1):134–43
Antibodies against a synthetic peptide of the avian retrovirus pp32 protein and the beta DNA polymerase subunit. Grandgenett DP, et al. **Virology** 1983 Oct 15;130(1):257–62
Antibody-induced conformational changes result in enhanced avidity of antibodies to different antigenic sites on the tick-borne encephalitis virus glycoprotein. Heinz FX, et al. **Virology** 1984 Feb;133(1):25–34
Location of immunodominant antigenic determinants on fragments of the tick-borne encephalitis virus glycoprotein: evidence for two different mechanisms by which antibodies mediate neutralization and hemagglutination inhibition. Heinz FX, et al. **Virology** 1983 Oct 30;130(2):485–501
Immunological characterization of the low molecular weight gag gene proteins p19 and p15 of human T-cell leukemia-lymphoma virus (HTLV) and demonstration of human natural antibodies to them. Kalyanaraman VS, et al. **Virology** 1984 Jan 15;132(1):61–70
Cytolytic T-cell mediated lysis of reovirus-infected cells: requirements for infectious virus, viral particles, and viral proteins in infected target cells. Kauffman RS, et al. **Virology** 1983 Dec;131(2):265–73
Antibody directed to a synthetic peptide encoding the NH2-terminal 16 amino acids of the adenovirus type 2 E1B-53K tumor antigen recognizes the E1B-20K tumor antigen. Lucher LA, et al. **Virology** 1984 Jan 15; 132(1):217–21
Monoclonal antibodies to the HN glycoprotein of Newcastle disease virus. Biological characterization and use for strain comparisons. Nishikawa K, et al. **Virology** 1983 Oct 30; 130(2):318–30
Characterization of monoclonal antibodies and polyclonal immune sera directed against human cytomegalovirus virion proteins. Nowak B, et al. **Virology** 1984 Jan 30; 132(2):325–38
Immunological characterization of the role of adenovirus terminal protein in viral DNA replication. Rijnders AW, et al. **Virology** 1983 Dec;131(2):287–95
Sera from adult T-cell leukemia patients react with envelope and core polypeptides of adult T-cell leukemia virus. Schneider J, et al. **Virology** 1984 Jan 15;132(1):1–11
[Inhibition of NDV reproduction with antibodies against its F protein] Vasileva L, et al. **Vet Med Nauki** 1983;20(7):9–16 (Eng. Abstr.) **(Bul)**
[Humoral antibodies to the antigens related to the structural protein antigens of the mammary cancer virus (MTV) in breast cancer patients and in healthy donors] Litvinov SV, et al. **Biull Eksp Biol Med** 1984 May;97(5):600–3 (Eng. Abstr.) **(Rus)**
[Production of hyperimmune sera and immune ascitic fluids to influenza virus protein M by immunization with a protein-polyelectrolyte conjugate] Petrov RV, et al. **Vopr Virusol** 1984 May–Jun;29(3):271–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Structural characterization of IBV glycoproteins. Cavanagh D. **Adv Exp Med Biol** 1984;173:95–108
Characterization of viral proteins synthesized in 229E infected cells and effect(s) of inhibition of glycosylation and glycoprotein transport. Kemp MC, et al. **Adv Exp Med Biol** 1984;173:65–77
Purification and partial characterization of the major 'pathogenesis-related' tomato leaf protein P14 from potato spindle tuber viroid (PSTV)-infected tomato leaves. Camacho Henriquez A, et al. **Arch Virol** 1984; 81(3–4):263–84
Separation and sugar component analysis of the oligosaccharides in the surface glycoproteins of Newcastle disease virus. Diabaté S, et al. **Arch Virol** 1983;76(4):321–34
Further evidence from tryptic peptide analysis for heterogeneity among type D retroviruses. Uckert W, et al. **Arch Virol** 1984;81(1–2):123–38
Isolation of proteins with kinase activity and related to pp60 src from human cells. Pavloff N, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):779–87
Characterization of the RNA dependent DNA polymerase of a new human I lymphotropic retrovirus (lymphadenopathy associated virus). Rey MA, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):126–33
In vivo proteins of defective interfering particles of poliovirus. Tershak DR. **Can J Microbiol** 1984 Apr; 30(4):461–9
Purification and structural studies of a major scrapie prion protein. Prusiner SB, et al. **Cell** 1984 Aug;38(1):127–34
Structure of the major oligosaccharides in the fusion glycoprotein of Newcastle disease virus. Diabaté S, et al. **Eur J Biochem** 1984 Mar 1;139(2):329–36
Complete amino acid sequence of human T-cell leukemia virus structural protein p15. Copeland TD, et al. **FEBS Lett** 1983 Oct 17;162(2):390–5
An antibody which precipitates Dane particles in acute hepatitis type B: relation to receptor sites which bind polymerized human serum albumin on virus particles. Alberti A, et al. **Hepatology** 1984 Mar–Apr;4(2):220–6
Crystallization of the gene 45 protein from the DNA replication fork of bacteriophage T4. Thaller C, et al. **J Biol Chem** 1984 Feb 25;259(4):2568–9
Bovine viral diarrhea virus: purification of surface proteins in detergent-containing buffers by fast protein liquid chromatography. Kärsnäs P, et al. **J Chromatogr** 1983 Aug 26;266:643–9
Gradient optimization principles in reversed-phase high-performance liquid chromatography and the separation of influenza virus components. Phelan MA, et al. **J Chromatogr** 1983 Aug 26;266:55–66
Purification of detergent-extracted Sendai virus proteins by reversed-phase high-performance liquid chromatography. van der Zee R, et al. **J Chromatogr** 1983 Aug 26;266:577–84
Isolation of Sendai virus F protein by anion-exchange high-performance liquid chromatography in the presence of Triton X-100. Welling GW, et al. **J Chromatogr** 1983 Aug 26;266:629–32
Identification of a 36,000-molecular weight, gag-related phosphoprotein in lymphoma cells transformed by radiation leukemia virus. Bach RG, et al. **J Exp Med** 1984 Jul 1; 160(1):270–85
Preparation and analysis of the nucleocapsid proteins of vesicular stomatitis virus and sendai virus, and analysis of the sendai virus leader-NP gene region. Blumberg BM, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):769–79
Identification of a phosphorylated non-structural form of the P protein of Newcastle disease virus and analysis of P multimers. Hightower LE, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1631–6
Purification of a glycoprotein bearing a tumor transplantation antigen specific for Friend, Moloney, and Rauscher MuLV-induced tumors. Rogers MJ, et al. **J Immunol** 1984 Jun;132(6):3211–7
Bacteriophage lambda preconnectors. Purification and structure. Kochan J, et al. **J Mol Biol** 1984 Apr 15; 174(3):433–47
Isolation and characterization of precursors in bacteriophage T4 baseplate assembly. II. Purification of the protein products of genes 10 and 11 and the in vitro formation of the P(10/11) complex. Plishker MF, et al. **J Mol Biol** 1983 Oct 15;170(1):119–35
Isolation and partial chemical characterization of a 64,000-dalton glycoprotein of human cytomegalovirus. Clark BR, et al. **J Virol** 1984 Jan;49(1):279–82
Replication of simian herpesvirus SA8 and identification of viral polypeptides in infected cells. Eberle R, et al. **J Virol** 1984 May;50(2):316–24
Glycoprotein gp118 of varicella-zoster virus: purification by serial affinity chromatography. Friedrichs WE, et al. **J Virol** 1984 Mar;49(3):992–6
Characterization of bovine viral diarrhea virus proteins. Purchio AF, et al. **J Virol** 1984 May;50(2):666–9
Resolution of two surface glycoproteins from human parainfluenza-3 virus by crossed immunoelectrophoresis. Holling RA, et al. **J Virol Methods** 1984 Jul;8(4):309–19
The cultivation of human rotavirus, strain 'Wa', to high titer in cell culture and characterization of the viral structural polypeptides. Offit PA, et al. **J Virol Methods** 1983 Jul; 7(1):29–40
A rapid procedure for the enrichment of undenaturated, antigenically active herpes simplex virus glycoproteins. Respess RA, et al. **J Virol Methods** 1984 Feb;8(1–2):27–45
Analysis of the phiX174 gene A protein using in vitro DNA replication systems. Brown DR, et al. **Methods Enzymol** 1983;100:217–39
Purification and properties of the bacteriophage lambda Int protein. Nash HA. **Methods Enzymol** 1983;100:210–6
The bacteriophage lambda O replication protein: isolation and characterization of the amplified initiator. Roberts JD, et al. **Nucleic Acids Res** 1983 Nov 11;11(21):7435–52
Purification in a functional form of the terminal protein of Bacillus subtilis phage phi 29. Prieto I, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1639–43
Evidence that polyoma polypeptide VP1 is a serine protease. Bowen JH, et al. **Virology** 1984 Jun;135(2):551–4
Lymphocytic choriomeningitis virus. VI. Isolation of a glycoprotein mediating neutralization. Bruns M, et al. **Virology** 1983 Oct 15;130(1):247–51
Isolation and characterization of polyoma nucleoprotein complexes. Garcea RL, et al. **Virology** 1983 Oct 15; 130(1):65–75
Identification and characterization of deoxyribonucleoprotein complexes containing the major DNA-binding protein of herpes simplex virus type 1. Leinbach SS, et al. **Virology** 1983 Dec;131(2):274–86
Monoclonal antibody-mediated immunoprecipitation of

proteins from cells infected with Marek's disease virus or turkey herpesvirus. Silva RF, et al. **Virology** 1984 Jul 30; 136(2):307–20

Protein composition of adenovirus nucleoprotein complexes extracted from infected cells. Weber J, et al. **Virology** 1984 Jul 30;136(2):321–7

[Virion or prion? Reflections on the physicochemical structure of the scrapie agent] Liberski PP. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):51–6 (21 ref.) **(Pol)**

[Detection of a protein firmly bound to the RNA of radish mosaic virus] Sapotskii MV, et al. **Biokhimiia** 1983 Nov; 48(11):1838–41 (Eng. Abstr.) **(Rus)**

[Use of agarose for isolating influenza virus proteins retaining a high immunogenicity] Ivanova VT, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):32–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Semliki Forest virus: a probe for membrane traffic in the animal cell. Simons K, et al. **Adv Protein Chem** 1984; 36:79–132 (285 ref.)

1H NMR spectroscopy of carbohydrates from the G glycoprotein of vesicular stomatitis virus grown in parental and Lec4 Chinese hamster ovary cells. Stanley P, et al. **Arch Biochem Biophys** 1984 Apr;230(1):363–74

Immunological study of a cellular 35K phosphorylated polypeptide detected in Rous sarcoma virus transformed cells. Lee SY, et al. **Arch Virol** 1983;77(2–4):195–208

Enzymatic cleavage of a glycoprotein of respiratory syncytial virus. Spring SB, et al. **Arch Virol** 1983;76(4):359–63

Mechanism of DNA binding to the gene 5 protein of bacteriophage fd. Brayer GD, et al. **Biochemistry** 1984 Jan 17;23(2):340–9

Influence of the membrane glycoprotein and cholesterol of vesicular stomatitis virus on the dynamics of viral and model membranes: fluorescence studies. Pal R, et al. **Biochemistry** 1983 Jul 19;22(15):3624–30

Cooperative, excluded-site binding and its dynamics for the interaction of gene 5 protein with polynucleotides. Pörschke D, et al. **Biochemistry** 1983 Sep 27;22(20):4737–45

1H NMR (500 MHz) of gene 32 protein—oligonucleotide complexes. Prigodich RV, et al. **Biochemistry** 1984 Jan 31; 23(3):522–9

Mechanism and role of cooperative binding of bacteriophage fd gene 5 protein to single-stranded deoxyribonucleic acid. Shimamoto N, et al. **Biochemistry** 1983 Dec 6; 22(25):5869–78

Release of fatty acids from virus glycoproteins by hydroxylamine. Magee AI, et al. **Biochim Biophys Acta** 1984 Apr 10;798(2):156–66

Expression and cellular compartmentalization of a herpes simplex virus type 2 protein (ICP 10) in productively infected and cervical tumor cells. Aurelian L, et al. **Cancer Invest** 1983;1(4):301–13

Local mutagenesis of Rous sarcoma virus: the major site of tyrosine and serine phosphorylation of pp60src are dispensable for transformation. Cross FR, et al. **Cell** 1983 Sep;34(2):597–607

Conversion of a secretory protein into a transmembrane protein results in its transport to the Golgi complex but not to the cell surface. Guan JL, et al. **Cell** 1984 Jul; 37(3):779–87

Stoichiometric use of the transposase of bacteriophage Mu. Pato ML, et al. **Cell** 1984 Jan;36(1):197–202

Altered cytoplasmic domains affect intracellular transport of the vesicular stomatitis virus glycoprotein. Rose JK, et al. **Cell** 1983 Sep;34(2):513–24

Pre- and post-Golgi vacuoles operate in the transport of Semliki Forest virus membrane glycoproteins to the cell surface. Saraste J, et al. **Cell** 1984 Sep;38(2):535–49

The replication of adenovirus DNA with purified proteins. Stillman BW. **Cell** 1983 Nov;35(1):7–9 (20 ref.)

Identification of acyl donors and acceptor proteins for fatty acid acylation in BHK cells infected with Semliki Forest virus. Berger M, et al. **EMBO J** 1984 Apr;3(4):713–9

The transforming protein of the MC29-related virus CMII is a nuclear DNA-binding protein whereas MH2 codes for a cytoplasmic RNA-DNA binding polyprotein. Bunte T, et al. **EMBO J** 1983;2(7):1087–92

Salt-stable binding of the large T protein to DNA in polyoma virus chromatin. Clertant P, et al. **EMBO J** 1984 Feb; 3(2):303–7

The complex of polyoma virus middle-T antigen and pp60c-src. Courtneidge SA, et al. **EMBO J** 1984 Mar; 3(3):585–91

Protein kinase activities associated with distinct antigenic forms of polyoma virus middle T-antigen. Dilworth SM. **EMBO J** 1982;1(11):1319–28

Intracellular appearance of a glycoprotein in VSV-infected BHK cells lacking the membrane-anchoring oligopeptide of the viral G-protein. Garreis-Wabnitz C, et al. **EMBO J** 1984 Jul;3(7):1469–76

Polyoma middle-sized T antigen can be phosphorylated on tyrosine at multiple sites in vitro. Hunter T, et al. **EMBO J** 1984 Jan;3(1):73–9

Intracellular vesicles involved in the transport of Semliki Forest virus membrane proteins to the cell surface. Saraste J, et al. **EMBO J** 1983;2(11):2001–6

Monoclonal antibody against the carboxy terminal peptide of pp60src of Rous sarcoma virus reacts with native pp60src. Tamura T, et al. **EMBO J** 1982;1(12):1479–85

Recognition of chemically damaged DNA by the gene 32 protein from bacteriophage T4. Toulmé JJ, et al. **EMBO J** 1983;2(4):505–10

Temperature-dependent internalization of virus glycoproteins in cells infected with a mutant of Semliki Forest virus. Ukkonen P, et al. **EMBO J** 1982;1(2):191–6

The bond in the bacteriophage phi X174 gene A protein—DNA complex is a tyrosyl-5'-phosphate ester. van Mansfeld AD, et al. **FEBS Lett** 1984 Aug 6; 173(2):351–6

Binding of gene 32 protein from phage T4 and recA gene product from E. coli to fluorescent single-stranded polynucleotides. Toulmé JJ, et al. **Folia Biol (Praha)** 1984; 30 Spec No:119–28

The 53,000-dalton cellular protein and its role in transformation. Crawford L. **Int Rev Exp Pathol** 1983; 25:1–50 (133 ref.)

Accumulation of poliovirus proteins in uninfected isolated HEp-2 cell nuclei in vitro. Bossart W, et al. **Intervirology** 1984;21(3):150–8

A study of measles virus antigens in acutely and persistently infected cells using monoclonal antibodies: differences in the accumulation of certain viral proteins. Giraudon P, et al. **Intervirology** 1984;21(2):110–20

Proteinase sensitivity of bacteriophage lambda tail proteins gpJ and pH in complexes with the lambda receptor. Roessner CA, et al. **J Bacteriol** 1984 Jan;157(1):165–70

Analysis of the interaction between DNA and major core protein in adenovirus chromatin by circular dichroism and ultraviolet light induced cross-linking. Sato K, et al. **J Biochem (Tokyo)** 1984 Apr;95(4):1031–9

Cell-free fatty acid acylation of Semliki Forest viral polypeptides with microsomal membranes from eukaryotic cells. Berger M, et al. **J Biol Chem** 1984 Jun 10; 259(11):7245–52

Nucleic acid binding affinity of fd gene 5 protein in the cooperative binding mode. Bobst AM, et al. **J Biol Chem** 1984 Feb 25;259(4):2130–4

Inhibition of polyoma virus middle T antigen-associated tyrosyl kinase activity by N-ethylmaleimide. Bolen JB, et al. **J Biol Chem** 1983 Dec 25;258(24):15135–40

The stimulation of pp60v-src kinase activity by vanadate in intact cells accompanies a new phosphorylation state of the enzyme. Brown DJ, et al. **J Biol Chem** 1984 Aug 10; 259(15):9580–6

Analysis of bacteriophage phi X174 gene A protein-mediated termination and reinitiation of phi X DNA synthesis. I. Characterization of the termination and reinitiation reactions. Brown DR, et al. **J Biol Chem** 1984 Aug 25; 259(16):10545–55

Analysis of the catalytic domain of phosphotransferase activity of two avian sarcoma virus-transforming proteins. Brugge JS, et al. **J Biol Chem** 1984 Apr 10;259(7):4550–7

pH-dependent fusion induced by vesicular stomatitis virus glycoprotein reconstituted into phospholipid vesicles. Eidelman O, et al. **J Biol Chem** 1984 Apr 10;259(7):4622–8

4-Deoxy-4-fluoro-D-mannose inhibits the glycosylation of the G protein of vesicular stomatitis virus. Grier TJ, et al. **J Biol Chem** 1984 Jan 25;259(2):1027–30

Vinculin phosphorylation by the src kinase. Interaction of vinculin with phospholipid vesicles. Ito S, et al. **J Biol Chem** 1983 Dec 10;258(23):14626–31

28,000-dalton polypeptide (p28) of adult T-cell leukemia-associated antigen encoded by 24 S mRNA of human T-cell leukemia virus has an associated protein kinase activity. Kobayashi N, et al. **J Biol Chem** 1984 Sep 25;259(18):11162–4

Effects of phosphorylation of avian retrovirus nucleocapsid protein pp12 on binding of viral RNA. Leis J, et al. **J Biol Chem** 1984 Jun 25;259(12):7726–32

DNA-dependent nucleoside 5'-triphosphatase activity of the gene 4 protein of bacteriophage T7. Matson SW, et al. **J Biol Chem** 1983 Nov 25;258(22):14009–16

The gene 4 protein of bacteriophage T7. Characterization of helicase activity. Matson SW, et al. **J Biol Chem** 1983 Nov 25;258(22):14017–24

Analysis of bacteriophage phi X174 gene A protein-mediated termination and reinitiation of phi X DNA synthesis. II. Structural characterization of the covalent phi X A protein-DNA complex. Roth MJ, et al. **J Biol Chem** 1984 Aug 25;259(16):10556–68

The formation of vesicular stomatitis virus (San Juan strain) becomes temperature-sensitive when glucose residues are retained on the oligosaccharides of the glycoprotein. Schlesinger S, et al. **J Biol Chem** 1984 Jun 25; 259(12):7597–601

Stepwise phosphorylation of the NH2-terminal region of the simian virus 40 large T antigen. Simmons DT. **J Biol Chem** 1984 Jul 10;259(13):8633–40

Membrane association and defective transport of spleen focus-forming virus glycoproteins. Srinivas RV, et al. **J Biol Chem** 1983 Dec 10;258(23):14718–24

Kinetics and mechanism of angiotensin phosphorylation by the transforming gene product of Rous sarcoma virus. Wong TW, et al. **J Biol Chem** 1984 Mar 10;259(5):3127–31

Immunoelectron microscopic studies of the intracellular transport of the membrane glycoprotein (G) of vesicular stomatitis virus in infected Chinese hamster ovary cells. Bergmann JE, et al. **J Cell Biol** 1983 Dec;97(6):1777–87

Transcytosis of the G protein of vesicular stomatitis virus after implantation into the apical membrane of Madin-Darby canine kidney cells. II. Involvement of the Golgi complex. Pesonen M, et al. **J Cell Biol** 1984 Sep; 99(3):803–9

Transcytosis of the G protein of vesicular stomatitis virus after implantation into the apical plasma membrane of Madin-Darby canine kidney cells. I. Involvement of endosomes and lysosomes. Pesonen M, et al. **J Cell Biol** 1984 Sep;99(3):796–82

Viral glycoproteins destined for apical or basolateral plasma membrane domains traverse the same Golgi apparatus during their intracellular transport in doubly infected Madin-Darby canine kidney cells. Rindler MJ, et al. **J Cell Biol** 1984 Apr;98(4):1304–19

Intracellular transport of influenza virus hemagglutinin to the apical surface of Madin-Darby canine kidney cells. Rodriguez-Boulan E, et al. **J Cell Biol** 1984 Jan; 98(1):308–19

Transport of protein between cytoplasmic membranes of fused cells: correspondence to processes reconstituted in a cell-free system. Rothman JE, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):248–59

Vesicular stomatitis virus glycoprotein, albumin, and transferrin are transported to the cell surface via the same Golgi vesicles. Strous GJ, et al. **J Cell Biol** 1983 Dec; 97(6):1815–22

Newly synthesized G protein of vesicular stomatitis virus is not transported to the cell surface during mitosis. Warren G, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1623–8

Baculovirus replication: phosphorylation of polypeptides synthesized in Trichoplusia ni nuclear polyhedrosis virus-infected cells. Kelly DC, et al. **J Gen Virol** 1984 Jul; 65 (Pt 7):1183–91

Bovine lymphosarcoma: processing of bovine leukaemia virus-coded proteins. Mamoun RZ, et al. **J Gen Virol** 1983 Dec;64 (Pt 12):2791–5

Fate of frog virus 3 DNA replicated in the nucleus of arginine-deprived CHO cells. Martin JP, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):721–32

Accumulation of herpes simplex virus type 1 glycoprotein D in adhesion areas of infected cells. Norrild B, et al. **J Gen Virol** 1983 Nov;64 (Pt 11):2499–503

Interaction of L and NS proteins of vesicular stomatitis virus with its template ribonucleoprotein during RNA synthesis in vitro. Thornton GB, et al. **J Gen Virol** 1984 Mar;65 (Pt 3):663–8

Nucleoproteins of animal influenza viruses, in contrast to those of human strains, are not cleaved in infected cells. Zhirnov O, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1127–34

Antigenic modulation induced by monoclonal antibodies: antibodies to measles virus hemagglutinin alters expression of other viral polypeptides in infected cells. Fujinami RS, et al. **J Immunol** 1984 May;132(5):2618–21

Calcium ion binding by isolated tobacco mosaic virus coat protein. Gallagher WH, et al. **J Mol Biol** 1983 Nov 15; 170(4):921–9

Rous sarcoma virus p19 and gp35 can be chemically crosslinked to high molecular weight complexes. An insight into virus assembly. Gebhardt A, et al. **J Mol Biol** 1984 Apr 5;174(2):297–317

Complex of fd gene 5 protein and double-stranded RNA. Gray CW, et al. **J Mol Biol** 1984 Jun 5;175(4):553–9

Characterization of the stimulatory effect of T4 gene 45 protein and the gene 44/62 protein complex on DNA synthesis by T4 DNA polymerase. Mace DC, et al. **J Mol Biol** 1984 Aug 5;177(2):313–27

It is Rous sarcoma virus protein P12 and not P19 that binds tightly to Rous sarcoma virus RNA. Méric C, et al. **J Mol Biol** 1984 Mar 15;173(4):531–8

Large-T-antigen-p53 complex formation is not cold sensitive in a cold-sensitive transformant induced by simian virus 40 mutant tsA1499. Bouck N, et al. **J Virol** 1984 Mar; 49(3):997–1001

DNA binding properties of a mutant T antigen from the simian virus 40-transformed human cell line simian virus 80. Gruss C, et al. **J Virol** 1984 Jun;50(3):943–6

Posttranslational modification and intracellular transport of mumps virus glycoproteins. Herrler G, et al. **J Virol** 1983 Aug;47(2):354–62

Nonstructural proteins of Semliki Forest virus: synthesis, processing, and stability in infected cells. Keränen S, et al. **J Virol** 1983 Sep;47(3):505–15

Characteristics and regulation of interaction of avian retrovirus pp12 protein with viral RNA. Leis J, et al. **J Virol** 1983 Nov;48(2):361–9

Genetic and phenotypic analysis of herpes simplex virus type 1 mutants conditionally resistant to immune cytolysis. Pancake BA, et al. **J Virol** 1983 Sep;47(3):568–85

Monoclonal antibodies to Rous sarcoma virus pp60src react with enzymatically active cellular pp60src of avian and mammalian origin. Parsons SJ, et al. **J Virol** 1984 Aug; 51(2):272–82

Polyomavirus and simian virus 40 large T antigens bind to common DNA sequences. Pomerantz BJ, et al. **J Virol** 1984 Mar;49(3):925–37

Dynamic nature of the association of large tumor antigen and p53 cellular protein with the surfaces of simian virus 40-transformed cells. Santos M, et al. **J Virol** 1984 Jan; 49(1):50–6

Limited proteolysis of herpes simplex virus glycoproteins that occurs during their extraction from vero cells. Zezulak KM, et al. **J Virol** 1984 Apr;50(1):258–62

Immunoelectron microscopy using thin, frozen sections: application to studies of the intracellular transport of

Semliki Forest virus spike glycoproteins. Griffiths G, et al. **Methods Enzymol** 1983;96:466–85

Transport of virus membrane glycoproteins, use of temperature-sensitive mutants and organelle-specific lectins. Kääriäinen L, et al. **Methods Enzymol** 1983; 96:453–65

Tyrosyl and cyclic AMP-dependent protein kinase activities in BHK cells that express viral pp60src. Clinton GM, et al. **Mol Cell Biol** 1984 May;4(5):973–7

Biochemical characterization of a 34-kilodalton normal cellular substrate of pp60v-src and an associated 6-kilodalton protein. Erikson E, et al. **Mol Cell Biol** 1984 Jan;4(1):77–85

Correlation between phosphorylation of a 34,000-molecular-weight protein, pp60src-associated kinase activity, and tumorigenicity in transformed and revertant vole cells. Nawrocki JF, et al. **Mol Cell Biol** 1984 Jan;4(1):212–5

Antibody-induced modulation of proteins in vesicular stomatitis virus-infected fibroblasts. O'Rourke EJ, et al. **Mol Cell Biol** 1983 Sep;3(9):1580–8

Increase in the phosphotransferase specific activity of purified Rous sarcoma virus pp60v-src protein after incubation with ATP plus Mg2+. Purchio AF, et al. **Mol Cell Biol** 1983 Sep;3(9):1589–97

DNA binding activity of polyoma virus large tumor antigen. Dilworth SM, et al. **Proc Natl Acad Sci USA** 1984 Apr; 81(7):1941–5

Interaction of the bacteriophage P1 recombinase Cre with the recombining site loxP. Hoess RH, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1026–9

Chimeric influenza virus hemagglutinin containing either the NH2 terminus or the COOH terminus of G protein of vesicular stomatitis virus is defective in transport to the cell surface. McQueen NL, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):395–9

Replication of bacteriophage phi 29 DNA in vitro: the roles of terminal protein and DNA polymerase. Watabe K, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(17):5374–8

A cell line expressing vesicular stomatitis virus glycoprotein fuses at low pH. Florkiewicz RZ, et al. **Science** 1984 Aug 17;225(4663):721–3

Membrane proteins and virus virulence. Choppin PW. **Trans Am Clin Climatol Assoc** 1983;95:138–56

Herpes simplex virus and protein transport are associated with the cytoskeletal framework and the nuclear matrix in infected BSC-1 cells. Ben-Ze'ev A, et al. **Virology** 1983 Sep;129(2):501–7

Cytoskeleton-associated Pr65gag and retrovirus assembly. Edbauer CA, et al. **Virology** 1983 Oct 30;130(2):415–26

Incorporation of lipids into variants of Moloney sarcoma virus which produce gag-mos fusion proteins. Gallick GE, et al. **Virology** 1984 Feb;133(1):228–32

Cell surface binding simian virus 40 large T antigen becomes anchored and stably linked to lipid of the target cells. Lange-Mutschler J, et al. **Virology** 1984 Jul 30; 136(2):404–13

Conversion of nonfusing mumps virus infections to fusing infections by selective proteolysis of the HN glycoprotein. Merz DC, et al. **Virology** 1983 Dec;131(2):328–40

Morphogenesis of human adenovirus type 2: sequence of entry of proteins into previral and viral particles. Morin N, et al. **Virology** 1984 Jul 15;136(1):153–67

Synthesis and processing of glycoproteins of Varicella-Zoster virus (VZV) as studied with monoclonal antibodies to VZV antigens. Okuno T, et al. **Virology** 1983 Sep;129(2):357–68

Poly(ADP-ribosyl)ation of a herpes simplex virus immediate early polypeptide. Preston CM, et al. **Virology** 1983 Dec; 131(2):492–501

Identification of a new protein present in vesicular stomatitis virus-infected Chinese hamster ovary cells as a degradation product of viral M protein. Rosen CA, et al. **Virology** 1983 Oct 30;130(2):331–41

Constraints on the assembly of spherical virus particles. Rossmann MG. **Virology** 1984 Apr 15;134(1):1–11

Defective interfering particles of Sendai virus modulate HN expression at the surface of infected BHK cells. Roux L, et al. **Virology** 1983 Oct 15;130(1):91–104

Isolation and characterization of a Mo-MuSV-transformed TB cell line that produces noninfectious MuSV particles with uncleaved gag protein which is processed in the presence of Mo-MuLV. Soong MM, et al. **Virology** 1984 Jan 30;132(2):390–400

Establishment and analysis of a system which allows assembly and disassembly of alphavirus core-like particles under physiological conditions in vitro. Wengler G, et al. **Virology** 1984 Jan 30;132(2):401–12

Murine retrovirus Pr65gag forms a 130K dimer in the absence of disulfide reducing agents. Yoshinaka Y, et al. **Virology** 1984 Jul 30;136(2):274–81

[DNA methylation in T3 and T7 phages by DNA-adenine methylases of various types and methylase EcoK ocR+ by protein] Bogdarina IG, et al. **Dokl Akad Nauk SSSR** 1983 Nov-Dec;273(1):234–7 **(Rus)**

[Binding of phage lambda cro repressor with an operator fragment] Kurochkin AV, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1213–6 **(Rus)**

[Determination and identification of the nucleoside phosphate bound to bacteriophage T4 cap protein] Serysheva II, et al. **Dokl Akad Nauk SSSR** 1984;275(5):1224–6 **(Rus)**

[Interaction of oligoadenylic acids with repolymerized protein of tobacco mosaic virus] Tamm IuV. **Mol Biol (Mosk)** 1984 May-Jun;18(3):620–31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

HN glycoprotein of HVJ (Sendai virus) enhances the selective cytotoxicity of diphtheria toxin fragment A-containing liposomes on subacute sclerosing panencephalitis virus-infected cells. Uchida T, et al. **Exp Cell Res** 1984 Jun;152(2):313–21

A v-sis oncogene protein produced in bacteria competes for platelet-derived growth factor binding to its receptor. Wang JY, et al. **J Biol Chem** 1984 Sep 10;259(17):10645–8

Partial characterization of the mitogenic action of pp60v-src, the oncogenic protein product of the src gene of avian sarcoma virus. Durkin JP, et al. **J Cell Physiol** 1984 Aug; 120(2):135–45

Immunosuppressive properties of a feline retrovirus 15,000 dalton protein. Olsen RG, et al. **Prog Clin Biol Res** 1983; 132B:3–7

PHYSIOLOGY

Functional studies on the Rous sarcoma virus transforming gene product. Erikson RL. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 17:457–8

The role of glycosylation on haemagglutination and immunological reactivity of rubella virus. Ho-Terry L, et al. **Arch Virol** 1984;79(3-4):139–46

Transcriptional activation of cloned human beta-globin genes by viral immediate-early gene products. Green MR, et al. **Cell** 1983 Nov;35(1):137–48

Antibodies to synthetic peptides targeted to the transforming genes of human adenoviruses: an approach to understanding early viral gene function. Green M, et al. **Curr Top Microbiol Immunol** 1984;109:167–92

Cell surface expression of fusogenic vesicular stomatitis virus G protein from cloned cDNA. Riedel H, et al. **EMBO J** 1984 Jul;3(7):1477–83

Association of ganglioside-protein conjugates into cell and Sendai virus. Requirement for the HN subunit in viral fusion. Heath TD, et al. **Exp Cell Res** 1983 Nov; 149(1):163–75

Facile and gentle method for quantitative lysis of Escherichia coli and Salmonella typhimurium. Crabtree S, et al. **J Bacteriol** 1984 Apr;158(1):354–6

Coevolution of directly contacting proteins in phage-bacterium ecosystem: possibility or fiction? Ratner VA, et al. **J Theor Biol** 1984 Jun 7;108(3):405–11

Adenovirus type 5 early region 1b gene product is required for efficient shutoff of host protein synthesis. Babiss LE, et al. **J Virol** 1984 Apr;50(1):202–12

Epitopes on foot-and-mouth disease virus outer capsid protein VP1 involved in neutralization and cell attachment. Baxt B, et al. **J Virol** 1984 Aug;51(2):298–305

Characterization of a host range mutant of human adenovirus 12 defective in early region 1B. Fukui Y, et al. **J Virol** 1984 Apr;50(1):132–6

Stabilization of the large T protein in temperature-independent (type A) FR 3T3 rat cells transformed with the simian virus 40 tsA30 mutant. Imbert J, et al. **J Virol** 1983 Sep;47(3):442–51

RNA polymerase interaction with dnaB protein and lambda P protein during lambda replication. McKinney MD, et al. **J Virol** 1983 Nov;48(2):551–4

Antibody to a synthetic nonapeptide corresponding to the NH2 terminus of poliovirus genome-linked protein VPg reacts with native VPg and inhibits in vitro replication of poliovirus RNA. Morrow CD, et al. **J Virol** 1983 Nov; 48(2):429–39

The function(s) provided by the adenovirus-specified, DNA-binding protein required for viral late gene expression is independent of the role of the protein in viral DNA replication. Rice SA, et al. **J Virol** 1984 Jan; 49(1):35–49

Host range mutants of human rhinovirus in which nonstructural proteins are altered. Yin FH, et al. **J Virol** 1983 Nov;48(2):410–8

Mu DNA replication in vitro: criteria for initiation. Higgins NP, et al. **MGG** 1984;194(1-2):60–4

Role of the three polyoma virus early proteins in tumorigenesis. Asselin C, et al. **Mol Cell Biol** 1983 Aug; 3(8):1451–9

N-terminal amino acid sequences of the polyoma middle-size T antigen are important for protein kinase activity and cell transformation. Templeton D, et al. **Mol Cell Biol** 1984 May;4(5):817–21

Membrane fusion proteins of enveloped animal viruses. White J, et al. **Q Rev Biophys** 1983 May;16(2):151–95 (169 ref.)

Viruses yield clues to gene regulation [news] Marx JL. **Science** 1984 Sep 7;225(4666):1008–9

Identification of the putative transforming protein of the human T-cell leukemia viruses HTLV-I and HTLV-II. Slamon DJ, et al. **Science** 1984 Oct 5;226(4670):61–5

A temperature-sensitive (TS) mutant of frog virus 3 (FV3) is defective in second-stage DNA replication. Goorha R, et al. **Virology** 1984 Jul 15;136(1):186–95

SECRETION

Isolation of stable mouse cell lines that express cell surface and secreted forms of the vesicular stomatitis virus glycoprotein. Florkiewicz RZ, et al. **J Cell Biol** 1983 Nov; 97(5 Pt 1):1381–8

Somatostatin discriminates between the intracellular pathways of secretory and membrane proteins. Green R, et al. **J Cell Biol** 1984 Jul;99(1 Pt 1):97–104

TOXICITY

Inhibition of erythroid colony-forming cells by a Mr 15,000 protein of feline leukemia virus. Wellman ML, et al. **Cancer Res** 1984 Apr;44(4):1527–9

VIRAL TUMOR ANTIGENS see **ANTIGENS, VIRAL, TUMOR**

VIRAL VACCINES

Immunization experiments with an inactivated parainfluenza-3 virus. Köves B, et al. **Acta Vet Acad Sci Hung** 1982;30(1-3):51–8

Acceptance of hepatitis B vaccine among high-risk health care workers. Anderson AC, et al. **Am J Infect Control** 1983 Dec;11(6):207–11

Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. IV. Characterization of a vaccine candidate in fetal rhesus lung cells. Halstead SB, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):679–83

Hepatitis B vaccination of high-risk hospital personnel. Oxman MN. **Anesthesiology** 1984 Jan;60(1):1–3

Hepatitis B vaccine. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1984 Jan; 100(1):149–50

Yellow fever vaccine and avian leukosis virus [letter] Nottebart HC Jr. **Ann Intern Med** 1984 Jul;101(1):148

Development of calf diarrhoea vaccines. Snodgrass DR. **Ann Rech Vet** 1983;14(4):519–21

Susceptibility of vaccine strains of varicella-zoster virus to antiviral compounds. Preblud SR, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):417–21

Field trials with a bivalent vaccine (HVT and SB-1) against Marek's disease. Calnek BW, et al. **Avian Dis** 1983 Jul-Sep; 27(3):844–9

Adventures in vaccine research. Beale AJ. **Birth Defects** 1984;20(1):1–6

Selection of particles and proteins for use as human cytomegalovirus subunit vaccines. Gibson W, et al. **Birth Defects** 1984;20(1):305–24 (37 ref.)

Herpes vaccine [letter] Mindel A. **Br J Vener Dis** 1984 Jun; 60(3):204–5

Report of a hepatitis immunization program. White FZ. **IMJ** 1984 Feb;165(2):102–3

Pathogenicity of an attenuated strain (XJCl3) of Junin virus. Morphological and virological studies in experimentally infected guinea pigs. Laguens RM, et al. **Intervirology** 1983; 20(4):195–201

Varicella vaccine. Gershon AA. **Isr J Med Sci** 1983 Nov; 19(11):1024–5

Present and future use of viral vaccines in Israel. Swartz TA. **Isr J Med Sci** 1983 Nov;19(11):1016–20

The cost-effectiveness of hepatitis B vaccine. Dienstag JL, et al. **J Infect** 1983 Jul;7 Suppl 1:81–4

Cost benefit of vaccination for hepatitis B in hemodialysis centers [letter] Alter MJ, et al. **J Infect Dis** 1983 Oct; 148(4):770–1

Vaccination against transplacental cytomegalovirus transmission: vaccine reactivation and efficacy in guinea pigs. Bia FJ, et al. **J Infect Dis** 1984 Mar;149(3):355–62

Biologic and biophysical markers of a live varicella vaccine strain (Oka): identification of clinical isolates from vaccine recipients. Hayakawa Y, et al. **J Infect Dis** 1984 Jun; 149(6):956–63

Prevention of rotavirus-induced diarrhea in neonatal mice born to dams immunized with empty capsids of simian rotavirus SA-11. Sheridan JF, et al. **J Infect Dis** 1984 Mar; 149(3):434–8

Susceptibility to acyclovir of Oka-strain varicella vaccine and vaccine-derived viruses isolated from immunocompromised patients [letter] Shiraki K, et al. **J Infect Dis** 1984 Aug;150(2):306–7

Leads from the MMWR. Yellow fever vaccine. **JAMA** 1984 Jan 27;251(4):442–3

Live attenuated varicella vaccine. Efficacy for children with leukemia in remission. Gershon AA, et al. **JAMA** 1984 Jul 20;252(3):355–62

Crossing 'threshold' of hepatitis B control awaits greater vaccine use [news] Goldsmith MF. **JAMA** 1984 Jun 1; 251(21):2765–7, 2771–2

Hepatitis B virus vaccine. An analysis of its potential use in medical workers. Hamilton JD. **JAMA** 1983 Oct 28; 250(16):2145–50

Prevention of perinatally transmitted hepatitis B virus infections with hepatitis B virus infections with hepatitis B immune globulin and hepatitis B vaccine. Beasley RP, et al. **Lancet** 1983 Nov 12;2(8359):1099–102

The cost of hepatitis B vaccine [letter] Petersen CS, et al. **Lancet** 1984 Jun 30;1(8392):1470–1

Towne-vaccine-induced prevention of cytomegalovirus disease after renal transplants. Plotkin SA, et al. **Lancet** 1984 Mar 10;1(8376):528–30

Mechanism of protection against hepatitis B infection by immunisation with hepatitis B virus cores [letter] Prince AM. **Lancet** 1984 Mar 3;1(8375):512

Fetal rhesus kidney cells used for hepatitis A viral vaccine development are free from polyomavirus [letter] Provost PJ, et al. **Lancet** 1984 Feb 18;1(8373):395

Thymopentin as adjuvant in non-responders or hyporesponders to hepatitis B vaccination [letter] Záruba K, et al. **Lancet** 1983 Nov 26;2(8361):1245

Viral vaccines. Kit M, et al. **Med Clin North Am** 1983 Sep; 67(5):1129-45 (20 ref.)

Hepatitis B vaccine [letter] **Med J Aust** 1983 Nov 12; 2(10):473-4

Hepatitis B reservoirs and attack rates in an Australian community. A basis for vaccination and crossinfection policies. Burrell CJ, et al. **Med J Aust** 1983 Nov 12; 2(10):492-6

Immunization against hepatitis B [editorial] Gust ID. **Med J Aust** 1983 Nov 12;2(10):468-9

Inconsistency with parvovirus study [letter] Walsh JA. **Mod Vet Pract** 1984 May;65(5):333

Keeping health-care workers healthy. Legal aspects of hepatitis B immunization programs. Baker CH, et al. **N Engl J Med** 1984 Sep 6;311(10):684-8

Hepatitis B vaccine in patients receiving hemodialysis. Immunogenicity and efficacy. Stevens CE, et al. **N Engl J Med** 1984 Aug 23;311(8):496-501

Hepatitis B virus vaccine. Williams A. **Nurse Pract** 1983 Oct; 8(9):30-2

Hepatitis B vaccine. Key to the era of preventive control. Gregory DH 2d. **Postgrad Med** 1984 Jan;75(1):199-204, 209-11

Construction of live vaccines using genetically engineered poxviruses: biological activity of vaccinia virus recombinants expressing the hepatitis B virus surface antigen and the herpes simplex virus glycoprotein D. Paoletti E, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(1):193-7

The Leeuwenhoek lecture, 1983. A prototype vaccine to prevent Epstein-Barr virus-associated tumours. Epstein MA. **Proc R Soc Lond [Biol]** 1984 Mar 22;221(1222):1-20 (133 ref.)

Possible approaches to a vaccine against Lassa fever. Clegg JC. **Trans R Soc Trop Med Hyg** 1984;78(3):307-10

Newcastle disease in a vaccinated flock which had experienced subclinical infectious bursal disease. Okoye JO, et al. **Trop Anim Health Prod** 1983 Nov;15(4):221-5

Canine parvovirus vaccination [letter] **Vet Rec** 1984 Feb 25; 114(8):203

Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 1 virus. Burrows R, et al. **Vet Rec** 1984 Apr 14;114(15):369-74

Influence of vaccination on Aujeszky's disease virus and disease transmission. Donaldson AI, et al. **Vet Rec** 1984 Aug 11;115(6):121-4

Trials of an inactivated equid herpesvirus 1 vaccine: challenge with a subtype 2 virus. Mumford JA, et al. **Vet Rec** 1984 Apr 14;114(15):375-81

Viral vaccines and antiviral drugs. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1983;693:1-72

Studies on transplacental transmissibility of a Bovine Virus Diarrhoea (BVD) vaccine virus. I. Inoculation of pregnant cows 15 to 90 days before parturition (190th to 265th day of gestation). Orban S, et al. **Zentralbl Veterinarmed [B]** 1983 Sep;30(8):619-34

[Comparative infectivity of Japanese encephalitis vaccine strain (2-8) and its parent strain (SA14) viruses in Culex tritaeniorhynchus mosquitoes] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):398-400 (Eng. Abstr.) **(Chi)**

[Vaccination against tick-borne encephalitis using an inactivated vaccine] Duniewicz M, et al. **Cas Lek Cesk** 1983 Aug 19;122(32-33):1000-2 (Eng. Abstr.) **(Cze)**

[Vaccine against hepatitis B] Hořejší J. **Cas Lek Cesk** 1983 Sep 23;122(38):1153-5 **(Cze)**

[Protecting chickens against Marek's disease under laboratory conditions by the administration of Marvak, a Czechoslovak produced vaccine and vaccine imported from East Germany] Jurajda V, et al. **Vet Med (Praha)** 1984 Mar;29(3):171-80 (Eng. Abstr.) **(Cze)**

[Prevention of viral hepatitis B in early infancy--hepatitis B vaccine (HBVac)] Tanabe M, et al. **Nagoya J Med Sci** 1984 Mar;46(1-4):49-54 (Eng. Abstr.) **(Fre)**

[Infectiousness of a 4-year-old hepatitis B virus carrier and and active immunization of his playmates] Kätzner K, et al. **Infection** 1983 Sep-Oct;11(5):269-71 (Eng. Abstr.) **(Ger)**

[Hepatitis B vaccination] Descoeudres C. **Schweiz Med Wochenschr** 1984 Apr 14;114(15):498-505 (Eng. Abstr.) **(Ger)**

[Hepatitis B vaccination: the danger of AIDS transmission] Scheier R. **Z Hautkr** 1984 Apr 15;59(8):502-6 (Eng. Abstr.) **(Ger)**

[Active immunoprophylaxis of type B viral hepatitis] Spiga L, et al. **G Clin Med** 1984 May-Jun;65(5-6):237-49 (30 ref.) (Eng. Abstr.) **(Ita)**

[Production of hepatitis B vaccine by applying genetic engineering technology] Miyanohara A, et al. **Nippon Rinsho** 1983 May;41(5):1120-34 (58 ref.) **(Jpn)**

[Varicella vaccine] Takahashi M. **Uirusu** 1983 Jun;33(1):1-11 (31 ref.) **(Jpn)**

[Prospects and achievements of genetic engineering in development of antiviral vaccines] Tikhonenko TI. **Mol Biol (Mosk)** 1984 Jan-Feb;18(1):176-88 (Eng. Abstr.) **(Rus)**

[Vaccination against viral hepatitis type B] Drndarević D, et al. **Vojnosanit Pregl** 1983 Nov-Dec;40(6):432-5 **(Scr)**

[Experience with vaccination of humans against Q fever in Czechoslovakia] Kazár J, et al. **Bratisl Lek Listy** 1983 Jul; 80(1):31-40 (Eng. Abstr.) **(Slo)**

[Active and passive immunoprophylaxis for Hepatitis B (editorial)] Vicéns M. **Bol Asoc Med PR** 1984 Apr; 76(4):135-6 **(Spa)**

[Vaccine against hepatitis B] Garassini M. **GEN** 1982 Apr-Sep;36(2-3):193-8 **(Spa)**

ADMINISTRATION & DOSAGE

Immunization against hepatitis B. Gocke DJ. **Adv Intern Med** 1984;29:1-23 (58 ref.)

Postexposure prophylaxis of hepatitis B. Recommendations of the Immunization Practices Advisory Committee. **Ann Intern Med** 1984 Sep;101(3):351-4

Duration of excretion of virulent Newcastle disease virus following challenge of chickens with different titres of serum antibody to the virus. Westbury HA, et al. **Aust Vet J** 1984 Feb;61(2):44-6

Efficacy and safety of a cell-culture live virus vaccine for hemorrhagic enteritis of turkeys: laboratory studies. Fadly AM, et al. **Avian Dis** 1984 Jan-Mar;28(1):183-96

Field trials to test the efficacy of polyvalent Marek's disease vaccines in broilers. Witter RL, et al. **Avian Dis** 1984 Jan-Mar;28(1):44-60

Cytomegalovirus vaccine in renal transplant candidates: progress report of a randomized, placebo-controlled, double-blind trial. Balfour HH Jr, et al. **Birth Defects** 1984; 20(1):289-304

Prevention of cytomegalovirus disease by Towne strain live attenuated vaccine. Plotkin SA, et al. **Birth Defects** 1984; 20(1):271-87

Live cytomegalovirus vaccination of healthy volunteers: eight-year follow-up studies. Stern H. **Birth Defects** 1984; 20(1):263-9

Use of a viral lysate of melanoma cells in patients with metastatic melanoma to lymph nodes [letter] Zehngebot LM. **Cancer** 1984 May 15;53(10):17A

Hepatitis B vaccine: randomized trial of immunogenicity in hemodialysis patients. Benhamou E, et al. **Clin Nephrol** 1984 Mar;21(3):143-7

Efficacy of aerosol, intranasal and intramuscular vaccination against selected bovine viral diseases. Mann DD, et al. **Cornell Vet** 1983 Oct;73(4):375-9

Safety and immunogenicity of a further reduced dose (10 mcg) of the hepatitis B vaccine. Papaevangelou G, et al. **Dev Biol Stand** 1983;54:209-15

Passive and active immunoprophylaxis of hepatitis B. Seeff LB, et al. **Gastroenterology** 1984 May;86(5 Pt 1):958-81 (142 ref.)

Encephalitis vaccination of pheasants [letter] Sussman O. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1375

Hepatitis B vaccine for health care personnel. Morgan-Capner P, et al. **J Hosp Infect** 1983 Sep;4(3):221-7

Immune responses to active and passive-active vaccination against hepatitis B. Deinhardt F, et al. **J Infect** 1983 Jul; 7 Suppl 1:21-5

An account of a pilot hepatitis B vaccination programme for high-risk individuals in Zürich. Grob PJ, et al. **J Infect** 1983 Jul;7 Suppl 1:85-92

Summary of worldwide clinical experience with H-B-Vax (B, MSD). McLean AA, et al. **J Infect** 1983 Jul;7 Suppl 1:95-104

Post-exposure hepatitis B vaccination of sexual partners of acute viral hepatitis patients. Papaevangelou G, et al. **J Infect** 1983 Jul;7 Suppl 1:63-7

Reduction of the dose of hepatitis B vaccine. Papaevangelou G, et al. **J Infect** 1983 Jul;7 Suppl 1:69-70

Subcutaneous administration of inactivated hepatitis B vaccine by automatic jet injection. Lemon SM, et al. **J Med Virol** 1983;12(2):129-36

Evaluation of a reduced dose of hepatitis B vaccine administered intradermally. Zoulek G, et al. **J Med Virol** 1984;14(1):27-32

Occupational exposure to hepatitis B virus. Analysis of indications for hepatitis B vaccine. Lohiya G, et al. **J Occup Med** 1984 Mar;26(3):189-96

Leads from the MMWR. Postexposure prophylaxis of hepatitis B. **JAMA** 1984 Jun 22-29;251(24):3210-1, 3215

Intradermal vaccination [editorial] **Lancet** 1983 Dec 24-31; 2(8365-66):1464-5

Simultaneous administration of hepatitis B and diphtheria/tetanus/polio vaccines [letter] Chiron JP, et al. **Lancet** 1984 Mar 17;1(8377):623-4

Efficacy of heat-inactivated hepatitis B vaccine in haemodialysis patients and staff. Double-blind placebo-controlled trial. Desmyter J, et al. **Lancet** 1983 Dec 10;2(8363):1323-8

Immunogenicity and safety of live oral attenuated bovine rotavirus vaccine strain RIT 4237 in adults and young children. Vesikari T, et al. **Lancet** 1983 Oct 8; 2(8354):807-11

Antibody responses and skin reactivity after intradermal hepatitis B virus vaccine [letter] Zoulek G, et al. **Lancet** 1984 Mar 10;1(8376):568

Immune response to single dose, multisite, intradermal and to intramuscular administration of vaccine against tick-borne encephalitis virus [letter] Zoulek G, et al. **Lancet** 1984 Sep 8;2(8402):584

Immunization against hepatitis B [letter] Christopher P. **Med J Aust** 1984 Jan 21;140(2):118

Postexposure prophylaxis of hepatitis B. **MMWR** 1984 Jun 1;33(21):285-90

Yellow fever vaccine. **MMWR** 1984 Jan 6;32(52):679-82, 687-8

Prevention of hepatitis B virus infection. Gershon AA. **Pediatr Infect Dis** 1984 May-Jun;3(3 Suppl):S8-10

Immunologic prevention of human hepatitis. Hilleman MR. **Perspect Biol Med** 1984 Summer;27(4):543-57

Effect of vaccination schedule and dialysis on hepatitis B vaccination response in uraemic patients. Bommer J, et al. **Proc Eur Dial Transplant Assoc** 1983;20:161-8

The task of epidemiology in designing strategies for the use of hepatitis B virus vaccine. Kane MA. **Public Health Rep** 1984 May-Jun;99(3):264-6

Biodegradable serum albumin polymers for the sustained release of virus antigens in vaccines. A preliminary report. Dewar JB, et al. **S Afr Med J** 1984 Apr 7;65(14):564-5

Use of HBV vaccine in hemophiliacs. Gazengel C, et al. **Scand J Haematol [Suppl]** 1984;40:323-8

Immunization of haemophiliacs against hepatitis B. A joint study between the haemophilia centers in Leuven, Belgium and Malmö, Sweden. Hedner U, et al. **Scand J Haematol [Suppl]** 1984;40:317-21

Parvovirus vaccination [letter] **Vet Rec** 1983 Oct 29; 113(18):429-30

Efficacy of early (48 and 96 hour) protection against feline viral rhinotracheitis following intranasal vaccination with a live temperature sensitive mutant. Cocker FM, et al. **Vet Rec** 1984 Apr 7;114(14):353-4

Immunity to canine adenovirus respiratory disease: effect of vaccination with an inactivated vaccine. Cornwell HJ, et al. **Vet Rec** 1983 Nov 26;113(22):509-12

[Pathomorphological changes after the single aerosol vaccination of broilers against Newcastle disease] Diakov L, et al. **Vet Med Nauki** 1984;21(5):41-6 (Eng. Abstr.) **(Bul)**

[Recent vaccines. Their current value in pediatrics] Lambert R. **Ann Pediatr (Paris)** 1984 Jun;31(6):515-6 **(Fre)**

[Active immunization against hepatitis B] Wildgrube HJ, et al. **Dtsch Med Wochenschr** 1984 Feb 17;109(7):246-50 (Eng. Abstr.) **(Ger)**

[Vaccination against hepatitis B: results of a clinical trial and a 1-year use] Frösner GG. **Monatsschr Kinderheilkd** 1984 Jun;132(6):495-8 **(Ger)**

[Combined use of a specific vaccine and interferon inducers for preventing and treating experimental tick-borne encephalitis] Barinskiĭ IF, et al. **Vopr Virusol** 1984 Mar-Apr;29(2):214-7 (Eng. Abstr.) **(Rus)**

[Donor immunization with an inactivated concentrated purified vaccine against tick-borne encephalitis to obtain immune blood preparations] El'bert LB, et al. **Vopr Virusol** 1984 Jan-Feb;29(1):56-9 (Eng. Abstr.) **(Rus)**

[Immunity indices of mice immunized with different vaccines against Japanese encephalitis] Pervikov IuV, et al. **Vopr Virusol** 1984 May-Jun;29(3):337-42 (Eng. Abstr.) **(Rus)**

[Dynamics of the lymphocyte population ratio of the peripheral blood in persons immunized with different vaccines against tick-borne encephalitis] Bukovskaia SN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul; (7):77-81 (Eng. Abstr.) **(Rus)**

[Determination of the optimal dose of a cultured inactivated vaccine for preventing Japanese encephalitis] Grachev VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan; (1):98-103 (Eng. Abstr.) **(Rus)**

[In vitro study of macrophage barrier function in mice vaccinated against tick-borne encephalitis and infection with flaviviruses of varying virulence] Karaseva PS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Dec;(12):57-60 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The question of possible relationship between hepatitis B vaccine and AIDS [letter] Taubman LB, et al. **Am J Med** 1984 Apr;76(4):A59

Reaction to hepatitis B virus vaccine [letter] Feldshon SD, et al. **Ann Intern Med** 1984 Jan;100(1):156-7

Hepatitis vaccine and the acquired immunodeficiency syndrome [letter] Schwartz AM, et al. **Ann Intern Med** 1983 Oct;99(4):567-8

Corneal oedema after vaccination of dogs with canine adenovirus 2. Blogg JR. **Aust Vet J** 1983 Sep;60(9):284-5

Corneal oedema after vaccination of dogs with canine adenovirus vaccines. Watson AD, et al. **Aust Vet J** 1983 Dec;60(12):384

Vaccine-induced pseudorabies in lambs. Van Alstine WG, et al. **J Am Vet Med Assoc** 1984 Aug 15;185(4):409-10

Efficacy of herpes vaccine in a rabbit model following intraocular inoculation of herpes simplex virus. Narang rIK. **J Infect Dis** 1984 Jun;149(6):973-9

Hepatitis B vaccine: clinical experience and safety [letter] Nutini MT, et al. **Lancet** 1983 Dec 3;2(8362):1301

A possible cause of acquired immune deficiency syndrome (AIDS) and other new diseases. de Long R. **Med Hypotheses** 1984 Apr;13(4):395-7

Hepatitis B vaccine [letter] Kreider SD, et al. **N Engl J Med** 1984 Feb 16;310(7):466

Failure to induce stress reactions following vaccination against Marek's disease or Newcastle disease. Freeman BM,

et al. **Res Vet Sci** 1984 Mar;36(2):247–50
Mortality associated with vaccination of pigeons against paramyxovirus type 1 [letter] Wallis AS. **Vet Rec** 1984 Jan 14;114(2):51–2
[Associated live vaccine against influenza, adenovirus type 4 and Mycoplasma pneumoniae] Smorodintsev AA, et al. **Tr Inst Pastera** 1982;58:3–13 **(Rus)**
[Reactogenicity and immunological effectiveness of a concentrated, purified vaccine against tick-borne encephalitis] Vorob'eva MS, et al. **Vopr Virusol** 1983 Sep-Oct;28(5):622–6 (Eng. Abstr.) **(Rus)**
[Comparative study of the reactogenicity and immunogenicity of new Soviet and commercial vaccines for preventing Japanese encephalitis] Sumarovkov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):74–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of blood group A-like substance in bacterial and viral vaccines by countercurrent immunoelectrophoresis using Helix pomatia lectin. Oravec LS, et al. **J Biol Stand** 1984;12(2):159–66
The use of reference preparations in virus content testing of vaccines. Thornton DH, et al. **J Biol Stand** 1984 Jan; 12(1):131–6
Deletions in the genomes of pseudorabies virus vaccine strains and existence of four isomers of the genomes. Lomniczi B, et al. **J Virol** 1984 Mar;49(3):970–9
Early protein marker for Towne cytomegalovirus vaccine [letter] Stevens RJ, et al. **Lancet** 1984 Apr 14;1(8381):849
Immunochemical structure of the hepatitis B surface antigen vaccine—I. Treatment of immobilized HBsAg by dissociation agents with or without enzymatic digestion and identification of polypeptides by protein blotting. Pillot J, et al. **Mol Immunol** 1984 Jan;21(1):53–60

IMMUNOLOGY

Study of the duration of immunity of sheep vaccinated against sheep pox with a live virus vaccine. Perenlei L, et al. **Acta Vet Hung** 1983;31(4):131–4
Varicella vaccine trials in healthy children. A summary of comparative and follow-up studies. Arbeter AM, et al. **Am J Dis Child** 1984 May;138(5):434–8
Re: 'Impact of viral respiratory diseases on infants and young children in a rural and urban area of southern West Virginia' [letter] Doege TC. **Am J Epidemiol** 1984 Apr; 119(4):651
Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. V. Human response to immunization with a candidate vaccine prepared in fetal rhesus lung cells. Eckels KH, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):684–9
Contagious ecthyma virus–vaccination failures. Buddle BM, et al. **Am J Vet Res** 1984 Feb;45(2):263–6
Systemic and local intestinal antibody response in dogs given both infective and inactivated canine parvovirus. Nara PL, et al. **Am J Vet Res** 1983 Nov;44(11):1989–95
Immune response of pregnant cows to bovine rotavirus immunization. Saif LJ, et al. **Am J Vet Res** 1984 Jan; 45(1):49–58
Hepatitis B vaccine in health care personnel: safety, immunogenicity, and indicators of efficacy. Dienstag JL, et al. **Ann Intern Med** 1984 Jul;101(1):34–40
Comparative virulence and immunogenicity of the Towne strain and a nonattenuated strain of cytomegalovirus. Quinnan GV Jr, et al. **Ann Intern Med** 1984 Oct; 101(4):478–83
Seroconversion rates with hepatitis B vaccine [letter] Strickler AC, et al. **Ann Intern Med** 1984 Oct;101(4):564
A viral subunit immunogen for porcine transmissible gastroenteritis. Gough PM, et al. **Antiviral Res** 1983 Sep; 3(3):211–21
Formaldehyde inactivation of foot-and-mouth disease virus. Conditions for the preparation of safe vaccine. Barteling SJ, et al. **Arch Virol** 1984;80(2–3):103–17
Effect of environmental temperature on the mortality in vaccinated chickens after challenge with Australian infectious bronchitis virus. Ratanasethakul C, et al. **Aust Vet J** 1983 Aug;60(8):255–6
Immune response of chickens to various routes of administration of Australian infectious bronchitis vaccine. Ratanasethakul C, et al. **Aust Vet J** 1983 Jul;60(7):214–6
Comparison of the residual virulence of Newcastle disease vaccine strains V4, Hitchner B1 and La Sota. Westbury HA, et al. **Aust Vet J** 1984 Feb;61(2):47–9
The effect of oil-emulsion vaccines on the occurrence of nonspecific plate agglutination reactions for Mycoplasma gallisepticum and M. synoviae. Glisson JR, et al. **Avian Dis** 1984 Apr-Jun;28(2):397–405
Studies on the live-virus vaccine against infectious laryngotracheitis of chickens. II. Evaluation of the tissue-culture-modified strain C7 in laboratory and field trials. Izuchi T, et al. **Avian Dis** 1984 Apr-Jun;28(2):323–30
Studies on a live virus vaccine against infectious laryngotracheitis of chickens. I. Biological properties of attenuated strain C7. Izuchi T, et al. **Avian Dis** 1983 Oct-Dec;27(4):918–26
Maternal antibody and its effect on infectious bursal disease immunization. Naqi SA, et al. **Avian Dis** 1983 Jul-Sep; 27(3):623–31
Immunization against Marek's disease transplantable cell lines. Nazerian K, et al. **Avian Dis** 1984 Jan-Mar; 28(1):160–7
Influence of formulation on the efficacy of experimental oil–emulsion Newcastle disease vaccines. Stone HD, et al. **Avian Dis** 1983 Jul-Sep;27(3):688–97
Development of an attenuated apathogenic reovirus vaccine against viral arthritis/tenosynovitis. van der Heide L, et al. **Avian Dis** 1983 Jul-Sep;27(3):698–706
Neutralizing antibody responses to Japanese encephalitis vaccine in children. Juang RF, et al. **Biken J** 1983 Mar; 26(1):25–34
Antibody responses elicited by a polyvalent vaccine containing synthetic diphtheric, streptococcal and hepatitis peptides coupled to the same carrier. Chedid L, et al. **Biochem Biophys Res Commun** 1983 Dec 28;117(3):908–15
Studies on viral interference induced by rinderpest virus: 3. Interferon induction by attenuated and virulent strains of rinderpest virus in tissue culture. Hussain SF, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):1–6
Studies on viral interference induced by rinderpest virus: 4. Induction of circulating interferon and antibodies in buffaloes following inoculation with tissue culture rinderpest vaccine (TCRV) virus. Hussain SF, et al. **Bull Anim Health Prod Afr** 1982 Mar;30(1):7–10
Immune responses to viral antigens in man and their relevance to vaccine development: memorandum from a WHO meeting. **Bull WHO** 1983;61(6):935–40
The effects of challenge on the humoral and cellular immune responses in pseudorabies vaccinated swine. Alva-Valdes R, et al. **Can J Comp Med** 1983 Oct;47(4):451–5
Activation of human peripheral blood B cells following immunization with hepatitis B surface antigen vaccine. Cupps TR, et al. **Cell Immunol** 1984 Jun;86(1):145–54
Swine fever. Immunisation of piglets. Precausta P, et al. **Comp Immunol Microbiol Infect Dis** 1983;6(4):281–9
The use of hepatitis B vaccine as booster for donors immune to HBV for the production of hepatitis B immunoglobulin (HBIG). Couroucé AM, et al. **Dev Biol Stand** 1983; 54:333–40
Hepatitis B vaccine: immunization of children and newborns in an endemic area (Senegal). Coursaget P, et al. **Dev Biol Stand** 1983;54:245–57
Efficacy trial of heat-inactivated hepatitis B vaccine (CLB) in male homosexuals in the Netherlands. Coutinho RA, et al. **Dev Biol Stand** 1983;54:287–92
Live attenuated vaccine for hepatitis A. Feinstone SM, et al. **Dev Biol Stand** 1983;54:429–32
Preliminary results of immune response to hepatitis B (HB) vaccine (Pasteur) in adults. Giunchi G, et al. **Dev Biol Stand** 1983;54:153–9
Prevention of hepatitis B virus infection in children born to HBsAg positive/HBeAg positive mothers. Preliminary results of active and passive-active immunization. Goudeau A, et al. **Dev Biol Stand** 1983;54:399–404
Hepatitis B vaccine: clinical trials in high-risk settings in France. (September 1975–September 1982). Goudeau A, et al. **Dev Biol Stand** 1983;54:267–84
Hepatitis B vaccine: simultaneous passive and active immunization. Indications in pre- and post-exposure. Goudeau A, et al. **Dev Biol Stand** 1983;54:259–66
Progress toward a live attenuated human hepatitis A virus vaccine. Hilleman MR, et al. **Dev Biol Stand** 1983;54:433–40
Correlation between immunogenetic markers and 'in vivo' response to the german hepatitis B vaccine. Höher PG, et al. **Dev Biol Stand** 1983;54:171–8
Synthetic peptide vaccine for hepatitis B. Hollinger FB, et al. **Dev Biol Stand** 1983;54:113–6
Kinetics, subtype specificity and immunoglobulin class of anti-HBs induced by hepatitis B vaccine. Legler K, et al. **Dev Biol Stand** 1983;54:179–89
Global strategies for the prevention of hepatitis B through use of vaccine. Maynard JE. **Dev Biol Stand** 1983;54:313–7
Association of hepatitis B vaccine with other vaccines—laboratory animals study. Mazert MC, et al. **Dev Biol Stand** 1983;54:53–62
A contribution of the immunogenicity of hepatitis B vaccines. Müller R, et al. **Dev Biol Stand** 1983;54:191–5
A new hepatitis B vaccine containing HBeAg in addition to HBsAg. Prince AM, et al. **Dev Biol Stand** 1983;54:13–22
Immunogenicity and safety of heat-inactivated hepatitis B vaccine (CLB) in low risk human volunteers and in patients treated with chronic haemodialysis in the Netherlands. Reerink-Brongers EE, et al. **Dev Biol Stand** 1983; 54:197–203
Safety and potency aspects in the preparation of an experimental HBsAg vaccine. Thomssen R, et al. **Dev Biol Stand** 1983;54:23–31
Serial transmission of hepatitis B like non-A, non-B hepatitis and associated markers to chimpanzees successfully immunized against HBV. Trepo C, et al. **Dev Biol Stand** 1983;54:443–9
Preliminary results of hepatitis B vaccination (HEVAC B) in healthy subjects and haemodialysis patients. van Beers D, et al. **Dev Biol Stand** 1983;54:163–9
Immunogenicity of HBeAg in the New York Blood Center hepatitis B vaccine. Vnek J, et al. **Dev Biol Stand** 1983; 54:217–21
Potency tests for hepatitis B virus vaccines in laboratory animals. Vranckx RP. **Dev Biol Stand** 1983;54:63–70
Appraisal and prospects of a dimeric synthetic peptide coupled with tetanus toxoid for a bifunctional vaccine against hepatitis B virus infection. Vyas GN, et al. **Dev Biol Stand** 1983;54:93–102
Hepatitis B virus antigens made in microbial cells immunise against viral infection. Murray K, et al. **EMBO J** 1984 Mar;3(3):645–50
Interferon as an adjuvant for hepatitis B vaccination in non- and low-responder populations. Grob PJ, et al. **Eur J Clin Microbiol** 1984 Jun;3(3):195–8
Immunosuppression with combined vaccines [letter] Beckenhauer WH, et al. **J Am Vet Med Assoc** 1983 Aug 15;183(4):389–90
Clinical trials with canine distemper vaccines in exotic carnivores. Montali RJ, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1163–7
The relationship between the 140S antigen dose in aqueous foot-and-mouth disease vaccines and the serum antibody response of cattle. Rweyemamu MM, et al. **J Biol Stand** 1984 Jan;12(1):111–20
Protective efficacies of live attenuated and formaldehyde-inactivated Venezuelan equine encephalitis virus vaccines against aerosol challenge in hamsters. Jahrling PB, et al. **J Clin Microbiol** 1984 Mar;19(3):429–31
Antibody response to dengue-2 vaccine measured by two different radioimmunoassay methods. Summers PL, et al. **J Clin Microbiol** 1984 May;19(5):651–9
Revaccination response of cattle as a function of the 140S foot and mouth disease antigen dose. Black L, et al. **J Comp Pathol** 1984 Jul;94(3):417–24
The effect of vaccination regimen on the transfer of foot and mouth disease antibodies from the sow to her piglets. Francis MJ, et al. **J Hyg (Lond)** 1984 Aug;93(1):123–31
The effect of maternally derived antibodies on the response of calves to vaccination against foot and mouth disease. Nicholls MJ, et al. **J Hyg (Lond)** 1984 Feb;92(1):105–16
The duration of immunity in cattle following inoculation of rinderpest cell culture vaccine. Plowright W. **J Hyg (Lond)** 1984 Jun;92(3):285–96
Dengue virus type 2 vaccine: reactogenicity and immunogenicity in soldiers. Bancroft WH, et al. **J Infect Dis** 1984 Jun;149(6):1005–10
Enhancement of varicella-zoster-specific immune responses in the elderly by boosting with varicella vaccine. Berger R, et al. **J Infect Dis** 1984 Apr;149(4):647
Hepatitis-B vaccination in the elderly. Denis F, et al. **J Infect Dis** 1984 Jun;149(6):1019
Immunogenicity of hepatitis B virus vaccine in healthy Chinese neonates. Lee GC, et al. **J Infect Dis** 1983 Sep; 148(3):526–9
Herpes simplex virus type-2 glycoprotein-subunit vaccine: tolerance and humoral and cellular responses in humans. Mertz GJ, et al. **J Infect Dis** 1984 Aug;150(2):242–9
Dengue 2 vaccine: dose response in volunteers in relation to yellow fever immune status. Scott RM, et al. **J Infect Dis** 1983 Dec;148(6):1055–60
Passive/active immunization against hepatitis B. Zachoval R, et al. **J Infect Dis** 1984 Jul;150(1):112–7
Protection studies in colostrum-deprived piglets of a bovine rotavirus vaccine candidate using human rotavirus strains for challenge. Zissis G, et al. **J Infect Dis** 1983 Dec; 148(6):1061–8
The immune response of healthy Nigerian adults to small doses of hepatitis B vaccine: comparison of 10- and 20-micrograms doses. Ayoola EA. **J Med Virol** 1984; 13(3):223–5
Hepatitis B surface antigen (HBsAg) subtype-specific antibodies in persons vaccinated against hepatitis B. Jilg W, et al. **J Med Virol** 1984;13(2):171–8
Comparative immunogenicity studies on Epstein-Barr virus membrane antigen (MA) gp340 with novel adjuvants in mice, rabbits, and cotton-top tamarins. Morgan AJ, et al. **J Med Virol** 1984;13(3):281–92
Analysis of adenovirus transforming proteins from early regions 1A and 1B with antisera to inducible fusion antigens produced in Escherichia coli. Spindler KR, et al. **J Virol** 1984 Jan;49(1):132–41
Serologic response of captive coyotes (Canis latrans Say) to canine parvovirus and accompanying profiles of canine coronavirus titers. Green JS, et al. **J Wildl Dis** 1984 Jan; 20(1):6–11
Test results encouraging for potential varicella vaccine [news] Marwick C. **JAMA** 1983 Oct 28;250(16):2095–6
Clinical evaluation in healthy adults of a hepatitis B vaccine made by recombinant DNA. Scolnick EM, et al. **JAMA** 1984 Jun 1;251(21):2812–5
Studies on the in vitro antigenicity test of the hepatitis B surface antigen preparation and its relationship to the in vivo potency estimate. Saito H, et al. **Jpn J Med Sci Biol** 1983 Oct;36(5):273–80
Affinity of antibody responses in man to hepatitis B vaccine determined with synthetic peptides. Brown SE, et al. **Lancet** 1984 Jul 28;2(8396):184–7
Hepatitis b vaccine: a diagnostic test for previous hepatitis B virus infection? [letter] Chaput JC, et al. **Lancet** 1984 Apr 21;1(8382):916–7
Hepatitis B vaccination and alcoholic cirrhosis [letter] Degos F, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1498
Hepatitis B vaccination: how long does protection last? [letter] Jilg W, et al. **Lancet** 1984 Aug 25;2(8400):458
Intradermal hepatitis B virus vaccine: immunogenicity and side-effects in adults. Miller KD, et al. **Lancet** 1983 Dec 24–31;2(8365–66):1454–6
Vaccine protection against the neonatal HBsAg carrier state [letter] Reddy DN, et al. **Lancet** 1984 Jan 21;1(8369):168

Hepatitis B vaccination for a wider diagnostic purpose? [letter] **Taliani G, et al. Lancet** 1984 Jul 21;2(8395):173
Protection of infants against rotavirus diarrhoea by RIT 4237 attenuated bovine rotavirus strain vaccine. Vesikari T, et al. **Lancet** 1984 May 5;1(8384):977–81
Increased 'take' rate of oral rotavirus vaccine in infants after milk feeding [letter] Vesikari T, et al. **Lancet** 1984 Sep 22; 2(8404):700
Immunization against hepatitis B [letter] McKenzie LB. **Med J Aust** 1984 Mar 31;140(7):441–2
Development of skin reaction to hepatitis B vaccines in man. Nagafuchi S, et al. **Microbiol Immunol** 1984;28(2):257–9
Japanese encephalitis: report of a World Health Organization Working Group. **MMWR** 1984 Mar 9;33(9):119–20, 125
Response of puppies to canine-origin parvovirus vaccines. Carmichael LE, et al. **Mod Vet Pract** 1984 Feb;65(2):99–102
Varicella vaccine: decisions a little nearer [editorial] McIntosh K. N **Engl J Med** 1984 May 31;310(22):1456–7
Response to hepatitis B virus vaccine in subjects with low levels of antibody to hepatitis B surface antigen [letter] Perrillo RP, et al. N **Engl J Med** 1984 May 31;310(22):1463
Live attenuated varicella virus vaccine. Efficacy trial in healthy children. Weibel RE, et al. N **Engl J Med** 1984 May 31;310(22):1409–15
Human hepatitis B vaccine from recombinant yeast. McAleer WJ, et al. **Nature** 1984 Jan 12–18;307(5947):178–80
Building new vaccines [news] Williams N. **Nature** 1983 Dec 1–7;306(5942):427
Vaccination against Marek's disease and infectious bursal disease. I. Development of a bivalent live vaccine by co-cultivating turkey herpesvirus and infectious bursal disease vaccine viruses in chicken embryo fibroblast monolayers. Chang JD, et al. **Poult Sci** 1983 Dec; 62(12):2326–35
Simultaneous vaccination of one-day-old broiler chickens with tenosynovitis virus and turkey herpesvirus. Eidson CS, et al. **Poult Sci** 1983 Jul;62(7):1177–88
Multivalent inactivated virus oil emulsion vaccines in broiler breeder chickens. I. Newcastle disease virus and infectious bursal disease virus bivalent vaccines. Thayer SG, et al. **Poult Sci** 1983 Oct;62(10):1978–83
Multivalent inactivated virus oil emulsion vaccines in broiler breeder chickens. II. Trivalent vaccines in breeders not previously vaccinated with live Newcastle disease, infectious bursal disease, and tenosynovitis vaccines. Thayer SG, et al. **Poult Sci** 1983 Oct;62(10):1984–90
Multivalent inactivated virus oil emulsion vaccines in broiler breeder chickens. III. Trivalent Newcastle disease, infectious bursal disease, and arthritis/tenosynovitis viruses vaccine in primed breeders. Thayer SG, et al. **Poult Sci** 1983 Oct;62(10):1991–7
Vaccination of chickens with newcastle disease and infectious bronchitis vaccines administered singly and in combination. Winterfield RW. **Poult Sci** 1984 Jan;63(1):182–4
Effects of subtype variations in the Holland strain of infectious bronchitis virus when applied as a vaccine. Winterfield RW, et al. **Poult Sci** 1984 Feb;63(2):246–50
Vaccine against human hepatitis B virus prepared from antigen derived from human hepatoma cells in culture. McAleer WJ, et al. **Proc Soc Exp Biol Med** 1984 Mar; 175(3):314–9
New approaches to hepatitis B vaccines. Gerin JL, et al. **Prog Clin Biol Res** 1983;143:369–77
Prophylaxis of viral hepatitis: transfusion transmitted disease and the hepatitis B vaccine. Holland PV. **Prog Clin Biol Res** 1983;143:357–67
Development of vaccines against rotavirus disease. Wyatt RG, et al. **Prog Food Nutr Sci** 1983;7(3–4):189–92
Antibody response in bovine pharyngeal fluid following foot-and-mouth disease vaccination and, or, exposure to live virus. Francis MJ, et al. **Res Vet Sci** 1983 Sep; 35(2):206–10
Use of inactivated oil emulsion infectious bursal disease vaccines in breeder chickens to prevent immunosuppression in progeny chicks. Wood GW, et al. **Res Vet Sci** 1983 Jul; 35(1):114–5
An inactivated, oil-emulsion vaccine for the prevention of porcine parvovirus-induced reproductive failure. Wrathall AE, et al. **Re. Vet Sci** 1984 Mar;36(2):136–43
Investigation of a sub-unit vaccine using an animal model of herpes simplex keratitis. Harney BA, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):342–6
Antibody responses of guinea-pigs, rabbits and pigs to inactivated porcine parvovirus vaccines. Joo HS, et al. **Vet Microbiol** 1984 Feb;9(1):27–33
The evaluation of a lectin-agarose based subunit vaccine and complementary diagnostic antigen for Aujeszky's disease (pseudorabies) in the pig. Platt KB. **Vet Microbiol** 1984 Feb;9(1):35–51
Bovine virus diarrhoea-mucosal disease virus-induced fetopathy in cattle: Efficacy of prophylactic maternal pre-exposure. Duffell SJ, et al. **Vet Rec** 1984 Jun 9; 114(23):558–61
Immunogenicity of hepatitis B virus vaccine (Heptavax-B)—response of healthy adults. Beasley RP, et al. **West J Med** 1984 May;140(5):731–4
Evaluation of the attenuated vaccine Para-Ribovac. Kita J, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):502–11
[Comparative testing of the quality of foot-and-mouth disease vaccines prepared with different virus inactivators] Dilovski M, et al. **Vet Med Nauki** 1983;20(5–6):41–5 (Eng. Abstr.) **(Bul)**
[Immunogenic properties of foot-and-mouth vaccines] Tekerlekov P, et al. **Vet Med Nauki** 1983;20(5–6):46–51 (Eng. Abstr.) **(Bul)**
[Studies on immune response of attenuated Japanese encephalitis vaccine virus strain] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Dec; 5(6):378–81 (Eng. Abstr.) **(Chi)**
[Immunizing properties of 3 vaccines against Aujeszky's disease] Zuffa A, et al. **Arch Exp Veterinarmed** 1984 Mar; 38(2):258–67 (Eng. Abstr.) **(Ger)**
[Testing of 2 vaccines against infectious bovine rhinotracheitis] Lazarowicz M, et al. **Schweiz Arch Tierheilkd** 1983 Nov;125(11):797–808 (Eng. Abstr.) **(Ger)**
[Serological immune response following vaccination with inactivated parvovirus vaccines in the dog] Murisier N, et al. **Schweiz Arch Tierheilkd** 1983 Dec;125(12):851–60 (Eng. Abstr.) **(Ger)**
[Vaccination against viral hepatitis] Grob PJ, et al. **ZFA (Stuttgart)** 1984 Jan 10;60(1):4–9 **(Ger)**
[Clinical trial of hepatitis B vaccine in a high-risk population] Arakawa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Apr;80(4):974–82 (Eng. Abstr.) **(Jpn)**
[Immunological changes in the blood of children inoculated with a live parainfluenza vaccine] Boldasov VK. **Tr Inst Pastera** 1982;58:16–9 **(Rus)**
[Etiology, diagnosis and the prospects for vaccinal prevention hepatitis B] Anan'ev VA. **Vestn Akad Med Nauk SSSR** 1983;(12):37–40 (Eng. Abstr.) **(Rus)**
[Etiology, diagnosis and the prospects for vaccinal prevention of hepatitis A] Balaian MS. **Vestn Akad Med Nauk SSSR** 1983;(12):30–7 (Eng. Abstr.) **(Rus)**
[Quantitative indices of the immune status of persons inoculated with different vaccines against tick-borne encephalitis] Bukovskaia SN, et al. **Vopr Virusol** 1983 Jul-Aug;28(4):100–3 (Eng. Abstr.) **(Rus)**
[Approaches to the design of antiviral vaccines (a theoretical review)] Dzagurov SG, et al. **Vopr Virusol** 1984 Mar-Apr; 29(2):137–40 (18 ref.) **(Rus)**
[Vaccinating properties of the Kekava 55 strain of attenuated Marek's disease virus] Iakovleva LS, et al. **Vopr Virusol** 1983 Nov-Dec;28(6):689–93 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Production of a feline parvovirusvaccine using monolayer cell systems in roller flasks and microcarriers. Bergman R, et al. **Dev Biol Stand** 1983;55:77–8
Alternative sources of hepatitis B vaccine. Gerin JL, et al. **Dev Biol Stand** 1983;54:135–7
The preparation and safety of hepatitis B vaccine. Hilleman MR, et al. **J Infect** 1983 Jul;7 Suppl 1:3–8
One approach to vaccine need—'home production' [news] Goldsmith MF. **JAMA** 1984 Jun 1;251(21):2766–7
The development of a vaccine against hepatitis B. Krugman S. **Scand J Infect Dis [Suppl]** 1983;38:9–12

PHARMACODYNAMICS

Suppression of neutrophil and lymphocyte function induced by a vaccinal strain of bovine viral diarrhea virus with and without the administration of ACTH. Roth JA, et al. **Am J Vet Res** 1983 Dec;44(12):2366–72
A field trial, of preshipment vaccination, with intranasal infectious bovine rhinotracheitis-parainfluenza-3 vaccines. Martin W, et al. **Can J Comp Med** 1983 Jul;47(3):245–9
The effect on egg production of layers after vaccination with an inactivated infectious bronchitis (IB) oil emulsion vaccine on a multi-age layer farm in Papua New Guinea. Wernery U, et al. **DTW** 1984 Apr 9;91(4):158–9
Immunosuppression by parvovirus [letter] Henry SC. **J Am Vet Med Assoc** 1983 Sep 1;183(5):492–3
[Stability of Aujezky's disease virus strain MK25 in an aerosol] Naneva G, et al. **Vet Med Nauki** 1983;20(9):25–9 (Eng. Abstr.) **(Bul)**
[Effect of vaccination against Aujeszky's disease on the physical development and fertility of boars] Weitze KF, et al. **DTW** 1983 Oct 6;90(10):434–7 (Eng. Abstr.) **(Ger)**

STANDARDS

Viral hepatitis: standardization in immunoprophylaxis of infections by hepatitis viruses. Proceedings of a symposium, Athens, Greece, November 15–18, 1982. **Dev Biol Stand** 1983;54:1–585
Constituents of HBs particle: characterization and purity of HBsAg in 'HEVAC B'. Gerfaux G, et al. **Dev Biol Stand** 1983;54:45–52
Quality and safety of human hepatitis B vaccine. Hilleman MR, et al. **Dev Biol Stand** 1983;54:3–12
Hepatitis B vaccine: safety study in anti-HBs seronegative human volunteers. Kaufmann R, et al. **Dev Biol Stand** 1983; 54:229–35
Hepatitis B vaccine: safety study in anti-HBs seropositive human volunteers. Kaufmann R, et al. **Dev Biol Stand** 1983; 54:223–7
Innocuity testing of foot-and-mouth disease vaccines. II. Aziridine-inactivated antigen produced in baby hamster kidney cells. Barteling SJ. **J Biol Stand** 1983 Oct; 11(4):305–12
Innocuity testing of foot-and-mouth disease vaccines. I. Formaldehyde-inactivated alhydrogel vaccines. Barteling SJ, et al. **J Biol Stand** 1983 Oct;11(4):297–304
Hepatitis B vaccine in haemodialysis patients [letter] Hadziyannis SJ, et al. **Lancet** 1984 Feb 4;1(8371):281
Non-A, non-B hepatitis from intravenous immunoglobulin [letter] Welch AG, et al. **Lancet** 1983 Nov 19; 2(8360):1198–9

SUPPLY & DISTRIBUTION

Hepatitis B vaccine to be available in Southeast Asia [news] Marwick C. **JAMA** 1983 Dec 9;250(22):3025

THERAPEUTIC USE

Hepatitis B vaccine. **Aust Dent J** 1983 Aug;28(4):245–7
Prevention of hepatocellular carcinoma by immunization. A WHO meeting. **Bull WHO** 1983;61(5):731–44
Hepatitis B vaccination in Down's syndrome and other mentally retarded patients. Heijtink RA, et al. **Hepatology** 1984 Jul-Aug;4(4):611–4
Hepatitis B immunization 1983 to 1984 [letter] Santimaw JE. **Infect Control** 1984 Jun;5(6):266–7
A vaccine for type B hepatitis and its implications for dentistry. Mitchell EW. **Int Dent J** 1984 Jun;34(2):127–9
Immune response to hepatitis B vaccine in staff and patients in renal dialysis units. Bergamini F, et al. **J Infect** 1983 Jul;7 Suppl 1:35–40
Hepatitis B vaccination strategy for health-care workers in a country of intermediate hepatitis B endemicity. Hadziyannis S, et al. **J Infect** 1983 Jul;7 Suppl 1:93–4
Worldwide strategy to control hepatitis B. Krugman S. **J Infect** 1983 Jul;7 Suppl 1:105–6
Hepatitis B and the dental profession: response to hepatitis B vaccine in Canadian dental personnel. A study by the Canadian Red Cross Collaborative Group. Larke RP, et al. **J Infect** 1983 Jul;7 Suppl 1:27–33
Immunogenicity and efficacy of hepatitis B vaccine in normal children and in patients with thalassaemia. Matsaniotis N, et al. **J Infect** 1983 Jul;7 Suppl 1:57–61
Immune response to hepatitis B vaccine in newborns. Prozesky OW, et al. **J Infect** 1983 Jul;7 Suppl 1:53–5
Immune response to hepatitis B vaccine in drug addicts. Schalm SW, et al. **J Infect** 1983 Jul;7 Suppl 1:41–5
Immune responses to hepatitis B vaccine in the mentally retarded. Wahl M, et al. **J Infect** 1983 Jul;7 Suppl 1:47–51
Hepatitis B virus vaccine. An opportunity for control [editorial] Francis DP. **JAMA** 1983 Oct 14;250(14):1891–2
Protection of infants against rotavirus diarrhoea by RIT 4237 attenuated bovine rotavirus strain vaccine. Vesikari T, et al. **Lancet** 1984 May 5;1(8384):977–81
Prevention of the HBsAg carrier state in newborn infants of mothers who are chronic carriers of HBsAg and HBeAg by administration of hepatitis-B vaccine and hepatitis-B immunoglobulin. Double-blind randomised placebo-controlled study. Wong VC, et al. **Lancet** 1984 Apr 28;1(8383):921–6
Hepatitis B vaccine: priority for use [letter] Milne A. **NZ Med J** 1983 Oct 26;96(742):810–1
Hepatitis B vaccine—what to expect. Martin CM. **Oral Surg** 1983 Oct;56(4):455–9
Vaccine control of malignancies induced by lymphotropic herpesviruses. Epstein MA, et al. **Prog Clin Biol Res** 1983; 132B:61–70
Baseline epidemiological studies for a hepatitis B vaccine trial in Kangwane. Prozesky OW, et al. **S Afr Med J** 1983 Nov 26;64(23):891–3
Vaccination of children with malignant diseases with alum-absorbed hepatitis B vaccine—Immunogenicity studies. Arnold W, et al. **Scand J Infect Dis [Suppl]** 1983; 38:33–6
Aspects of vaccination against hepatitis B; passive-active immunization schedules and vaccination responses in different age groups. Deinhardt F. **Scand J Infect Dis [Suppl]** 1983;38:17–23
Hepatitis B vaccination of hemophiliacs. Desmyter J, et al. **Scand J Infect Dis [Suppl]** 1983;38:42–5
Hepatitis B vaccination of renal transplant and hemodialysis patients. Grob P. **Scand J Infect Dis [Suppl]** 1983;38:28–32
Vaccination against hepatitis B sexual contacts of contagious patients. Papaevangelou G. **Scand J Infect Dis [Suppl]** 1983; 38:37–41
Different hepatitis B vaccines. Sherlock S. **Scand J Infect Dis [Suppl]** 1983;38:13–6
Immune response to hepatitis B vaccination in the mentally retarded. Wahl M, et al. **Scand J Infect Dis [Suppl]** 1983; 38:24–7
[Short-term therapeutic effect of an inactivated herpes simplex virus type 1 vaccine on herpes simplex keratitis] Zhang YQ. **Chung Hua Yen Ko Tsa Chih** 1983 Nov; 19(6):339–42 **(Chi)**
[2 field trials for the study of the possible effects of avian leukosis control measures on production characteristics] Goosen H, et al. **Tijdschr Diergeneeskd** 1983 Nov 15; 108(22):855–63 (Eng. Abstr.) **(Dut)**
[Enhancement of the immune response by aspecific action of vaccine additives in the aerogenic immunization of swine against swine plague] Kaden V. **Arch Exp Veterinarmed** 1983 Sep;37(5):693–701 (83 ref.) (Eng. Abstr.) **(Ger)**
[Limited success of hepatitis B vaccination?] Brune D, et al. **Dtsch Med Wochenschr** 1984 Jul 13;109(28–29): 1136 **(Ger)**
[Immunoprevention of hepatitis B in children] Kätzner K, et al. **Monatsschr Kinderheilkd** 1984 Feb;132(2):124–5 (Eng.

Abstr.) (Ger)
[Efficacy and tolerance of hepatitis B vaccination in medical personnel and hemodialysis patients] Horak W, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):161–5 (Eng. Abstr.) (Ger)
[Experiences with vaccination against hepatitis B] Kunz C, et al. **Wien Klin Wochenschr** 1984 Feb 17;96(4):158–61 (Eng. Abstr.) (Ger)
[Recommendations of the Hadassah University Hospital Committee for active immunization against hepatitis B virus infection] Eliakim M, et al. **Harefuah** 1983 Sep; 105(5–6):130–2 (Heb)
[Vaccines for prevention of virus B hepatitis (editorial)] Golik A, et al. **Harefuah** 1983 Sep;105(5–6):133–5 (Heb)
[Preliminary results in the use of anti-HBV vaccine, French type, in thalassemia patients] Corvaglia E, et al. **Minerva Pediatr** 1984 Apr 30;36(8):393–6 (Eng. Abstr.) (Ita)
[Vaccination against varicella in children with malignant diseases] Austgulen R. **Tidsskr Nor Laegeforen** 1984 Apr 30;104(12):791–2 (Eng. Abstr.) (Nor)
[Perspectives of the prevention of hepatitis B] Polz MA. **Pol Tyg Lek** 1983 Sep 5;38(36):1111–3 (26 ref.) (Pol)
[Specific immunotherapy of recurrent genital herpes] Grebeniuk VN. **Vestn Dermatol Venerol** 1983 Nov; (11):12–4 (Eng. Abstr.) (Rus)

VIREMIA

COMPLICATIONS

Biological behavior of tumors and associated retroviremia in cats inoculated with Snyder–Theilen fibrosarcoma virus and the phenomenon of tumor recurrence after primary regression. Pedersen NC, et al. **Infect Immun** 1984 Feb; 43(2):631–6

DIAGNOSIS

Cytomegalovirus viremia detected by molecular hybridization and electron microscopy. Martin DC, et al. **Ann Intern Med** 1984 Feb;100(2):222–5
[Detection of viremia by an immunofluorescence method in children with acute herpetic stomatitis] Mikhailovskaia VP, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):21–2 (Eng. Abstr.) (Rus)
[Detection of viremia in children with manifestations of an oral herpes infection] Mel'nichenko EM, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):63–5 (Eng. Abstr.) (Rus)

ETIOLOGY

Prolonged arthritis, viraemia, hypogammaglobulinaemia, and failed seroconversion following rubella immunisation [letter] Tingle AJ, et al. **Lancet** 1984 Jun 30;1(8392):1475–6
Prolonged human cytomegalovirus viremia following bone marrow transplantation. Zaia JA, et al. **Transplantation** 1984 Mar;37(3):315–7

IMMUNOLOGY

Clearance of feline leukemia virus from persistently infected pet cats treated by extracorporeal immunoadsorption is correlated with an enhanced antibody response to FeLV gp 70. Snyder HW Jr, et al. **J Immunol** 1984 Mar; 132(3):1538–43
Avian leukosis virus infection: analysis of viremia and DNA integration in susceptible and resistant chicken lines. Baba TW, et al. **J Virol** 1984 Jul;51(1):123–30

MICROBIOLOGY

Viremia, virus excretion, and antibody responses after challenge in volunteers with low levels of antibody to rubella virus. O'Shea S, et al. **J Infect Dis** 1983 Oct; 148(4):639–47
Viremic phase in nonimmunocompromised children with varicella. Ozaki T, et al. **J Pediatr** 1984 Jan;104(1):85–7

VETERINARY

Primary viraemia responses of herons to experimental infection with Murray Valley encephalitis, Kunjin and Japanese encephalitis viruses. Boyle DB, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):655–64
Comparison of some storage and isolation methods to recover bluetongue virus from bovine blood. Thomas FC. **Can J Comp Med** 1984 Jan;48(1):108–10
Viraemia and antibody response of the mallard (Anas platyrhynchos) to infection with tick-borne encephalitis virus. van Tongeren HA. **J Comp Pathol** 1983 Oct; 93(4):521–30

VIRGIMYCINE see **VIRGINIAMYCINS**

VIRGINIAMYCINS

ADMINISTRATION & DOSAGE

Effect of virginiamycin on carbohydrate and protein metabolism in the rumen in vitro. Van Nevel CJ, et al. **Arch Tierernahr** 1984 Feb;34(2):149–55

ANALYSIS

Pad-plate diffusion assay for virginiamycin in mash-type feeds. Katz SE, et al. **J Assoc Off Anal Chem** 1984 May-Jun;67(3):569–72

METABOLISM

Fluorescence stopped flow analysis of the interaction of virginiamycin components and erythromycin with bacterial ribosomes. Moureau P, et al. **J Biol Chem** 1983 Dec 10; 258(23):14233–8

PHARMACODYNAMICS

Inhibitory action of virginiamycin components on cell-free systems for polypeptide formation from Bacillus subtilis. Cocito C, et al. **Arch Microbiol** 1983 Aug;135(1):8–11
Translational attenuation: the regulation of bacterial resistance to the macrolide–lincosamide–streptogramin B antibiotics. Dubnau D. **CRC Crit Rev Biochem** 1984; 16(2):103–32 (142 ref.)
Comparison of virginiamycin and salinomycin as growth promoters in growing-fattening pigs. De Wilde RO. **DTW** 1984 Jan 9;91(1):22–4
Effect of feeding chlortetracycline or virginiamycin on shedding of salmonellae from experimentally-infected swine. Jones FT, et al. **J Anim Sci** 1983 Aug;57(2):279–85
The action of virginiamycin M on the acceptor, donor, and catalytic sites of peptidyltransferase. Chinali G, et al. **J Biol Chem** 1984 Aug 10;259(15):9563–8
Analysis of fluorescence quenching of ribosome-bound virginiamycin S. Di Giambattista M, et al. **J Biol Chem** 1984 May 25;259(10):6334–9
The response of turkey poults to virginiamycin in diets containing various levels of supplemental methionine. Harms RH, et al. **Poult Sci** 1983 Sep;62(9):1896–8
Virginiamycin and broiler performance. Miles RD, et al. **Poult Sci** 1984 Jun;63(6):1218–21
[Action of pristinamycin on Chlamydia] Orfila J, et al. **Pathol Biol (Paris)** 1984 May;32(5):443–5 (Eng. Abstr.) (Fre)
[Resistance to pristinamycin (or virginiamycin) of strains of Staphylococcus aureus] El Solh N, et al. **Pathol Biol (Paris)** 1984 May;32(5):362–8 (Eng. Abstr.) (Fre)

THERAPEUTIC USE

[Staphylococcus aureus septicemia. Use of pristinamycin as initial treatment (letter)] Mattei M, et al. **Presse Med** 1984 Jul 14–21;13(29):1789–90 (Fre)

TOXICITY

Resistance to macrolide antibiotics in Staphylococcus aureus susceptible to lincomycin and mikamycin B. Nakajima Y, et al. **J Antibiot (Tokyo)** 1984 Jun;37(6):675–9

VIRILISM

see related
ADRENAL HYPERPLASIA, CONGENITAL

Pregnancy in a patient with virilizing arrhenoblastoma. Barkan A, et al. **Am J Obstet Gynecol** 1984 Aug 15; 149(8):909–10

BLOOD

Virilizing congenital adrenal hyperplasia with normal dehydroepiandrosterone sulfate. Check JH, et al. **Am J Obstet Gynecol** 1983 Dec 15;147(8):972–3
[Transitory functional hyperprolactinemia in 2 patients with a virilizing adrenal neoplasm] Ragucci N, et al. **Arch Ostet Ginecol** 1982 Sep–Dec;87(5–6):215–24 (Eng. Abstr.) (Ita)

CHEMICALLY INDUCED

Virilization of the female fetus with maternal danazol exposure. Rosa FW. **Am J Obstet Gynecol** 1984 May 1; 149(1):99–100
Virilization syndrome in a young woman due to an androgen-secreting adenoma. Faggiano M, et al. **J Endocrinol Invest** 1984 Feb;7(1):41–5

ENZYMOLOGY

Virilization without adrenal hyperplasia in 21-hydroxylase deficiency during fetal life. Kuhnle U, et al. **J Clin Endocrinol Metab** 1984 Mar;58(3):574–7

ETIOLOGY

Testosterone-secreting adrenal ganglioneuroma containing Leydig cells. Aguirre P, et al. **Am J Surg Pathol** 1983 Oct; 7(7):699–705
Successful pregnancy following surgery for a masculinizing adrenocortical carcinoma. Kasperlik-Załuska AA, et al. **Eur J Obstet Gynecol Reprod Biol** 1983 Oct;16(2):107–11
Virilizing malignant lipid cell tumor producing erythropoietin. Montag TW, et al. **Gynecol Oncol** 1984 Sep; 19(1):98–103
Ovarian leiomyoma with hilus cell hyperplasia that caused virilization. Parish JM, et al. **Mayo Clin Proc** 1984 Apr; 59(4):275–7
Steroid and gonadotropin secretion in a patient with a 30-year history of virilization due to lipoid-cell ovarian tumor. Barkan AL, et al. **Obstet Gynecol** 1984 Aug; 64(2):287–95
Virilizing hilus (Leydig) cell tumor of the ovary: the challenge of an accurate preoperative diagnosis. Raaf JH, et al. **Surgery** 1983 Dec;94(6):951–4
[A repressed cosmetic complaint] Olsen PR, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3912 (Eng. Abstr.) (Dan)
[Acquired adrenal hyperandrogenism in women] Buvat J. **LARC Med** 1983 Aug–Sep;3(7):496–503 (Fre)
[Virilizing luteoma of pregnancy. Relation to polycystic ovaries] Guilmot JL, et al. **Sem Hop Paris** 1983 Dec 1; 59(44):3053–7 (Eng. Abstr.) (Fre)

METABOLISM

Incomplete androgen insensitivity syndrome: partially masculinized genitalia in two patients with absence of androgen receptor in cultured fibroblasts. Sultan C, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):565–74

SURGERY

Results after operative correction of virilized female genitalia in children with congenital adrenal hyperplasia (CAH). Borgwardt G, et al. **Z Kinderchir** 1984 Feb;39(1):55–8

VIRION

Selection of particles and proteins for use as human cytomegalovirus subunit vaccines. Gibson W, et al. **Birth Defects** 1984;20(1):305–24 (37 ref.)

ANALYSIS

Characterization of virus-like particles from a psoriatic patient with respect to the possible presence of particle-associated RNA and RNA-directed DNA polymerase. Iversen OJ, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):413–7
Lymphocytic choriomeningitis virus. V. Proposed structural arrangement of proteins in the virion. Bruns M, et al. **J Gen Virol** 1983 Oct;64 (Pt 10):2157–67
Evidence for secondary structure within the virion RNA of echovirus 22. Seal LA, et al. **J Virol** 1984 May; 50(2):641–4
Equine cytomegalovirus: structural proteins of virions and nucleocapsids. Caughman GB, et al. **Virology** 1984 Apr 15;134(1):184–95
Localization of frog virus 3 proteins using monoclonal antibodies. Chinchar VG, et al. **Virology** 1984 Aug; 137(1):211–6
SV40 virus particles lack a psoralen-accessible origin and contain an altered nucleoprotein structure. Kondoleon SK, et al. **Virology** 1983 Sep;129(2):261–73
[Virion or prion? Reflections on the physicochemical structure of the scrapie agent] Liberski PP. **Neurol Neurochir Pol** 1984 Jan–Feb;18(1):51–6 (21 ref.) (Pol)
[Molecular composition of phenotypically mixed virions formed during mixed infection with influenza viruses A and B] Amvros'eva TV, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):390–6 (Eng. Abstr.) (Rus)
[Sedimentation analysis of the virion RNA of Machupo virus] Lukashevich IS, et al. **Vopr Virusol** 1983 Jul–Aug; 28(4):69–74 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Comparative study of infectious and formaldehyde-inactivated tick-borne encephalitis virus particles. Krasilnikov IV, et al. **Arch Virol** 1984; 79(3–4):241–53
The effect of monensin on virion production and protein secretion in pseudorabies virus-infected cells. Kerr CL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1033–41
Formation of non-infective herpesvirus particles in cultured cells treated with human interferon. Muñoz A, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1069–78

ENZYMOLOGY

Protein kinase activity in purified poliovirus particles and empty viral capsid preparations. Schärli CE, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):129–39
Characterization of hepatitis B virus DNA polymerase. Goto Y, et al. **Jpn J Med Sci Biol** 1984 Feb;37(1):9–18
[Virion-associated enzymes of the iridovirus in the mosquito Aedes cantans] Buchatskiĭ LP, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):59–61 (Eng. Abstr.) (Rus)

GENETICS

Chemical modification of the coat protein in bacteriophage fd and orientation of the virion during assembly and disassembly. Armstrong J, et al. **EMBO J** 1983; 2(10):1641–6
Physical mapping of the virion and the prophage DNAs of a temperate Lactobacillus phage phi FSW. Shimizu-Kadota M, et al. **J Gen Microbiol** 1984 Feb;130 (Pt 2):423–30
Temperature-sensitive BC mutants of simian virus 40: block in virion assembly and accumulation of capsid-chromatin complexes. Ng SC, et al. **J Virol** 1984 May;50(2):471–7

Early proteins are required for the formation of frog virus 3 assembly sites. Chinchar VG, et al. **Virology** 1984 May; 135(1):148–56

Impaired cleavage of the joint gag–pol polyprotein precursor and virion assembly in a temperature-sensitive mutant of Rous sarcoma virus. Ro JH, et al. **Virology** 1984 Jun; 135(2):489–502

Superinfection exclusion by vesicular stomatitis virus. Whitaker-Dowling P, et al. **Virology** 1983 Nov; 131(1):137–43

[Structural changes in influenza virus RNA during its attenuation] Zhilinskaia NN, et al. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1171–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the gene transcription of the intracisternal A-particles] Bukrinskil MI, et al. **Vopr Virusol** 1984 May–Jun;29(3):345–50 (Eng. Abstr.) **(Rus)**

[Variability of attenuated alphavirus strains in virion aggregate infection] Tsilinskii Ialа, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):601–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Activation of a type C virus particle in cells from the inbred mouse strain 129/J: antigenic relationship with the horizontally transmitted type C viruses of primates. Brief report. Rapp UR, et al. **Arch Virol** 1983;76(4):373–9

Replication of coronavirus MHV-A59 in sac– cells: determination of the first site of budding of progeny virions. Tooze J, et al. **Eur J Cell Biol** 1984 Mar;33(2):281–93

RNA tumor virus-like particles in human fetal thymus cells stimulated by human B-cells. Ono A, et al. **Gann** 1983 Dec; 74(6):802–5

IMMUNOLOGY

Cellular immunity to the hepatitis B virion in acute hepatitis type B. Fattovich G, et al. **Clin Exp Immunol** 1983 Sep; 53(3):645–50

Location of human T-cell leukemia virus (HTLV) p19 antigen on virus-producing cells. Aoki T, et al. **Int J Cancer** 1984 Feb 15;33(2):161–5

Neutralization epitopes on poliovirus type 3 particles: an analysis using monoclonal antibodies. Ferguson M, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):197–201

Dopamine receptors and monoamine oxidase as virion receptors. Shaskan EG, et al. **Perspect Biol Med** 1984 Winter;27(2):239–50

Characterization of monoclonal antibodies and polyclonal immune sera directed against human cytomegalovirus virion proteins. Nowak B, et al. **Virology** 1984 Jan 30; 132(2):325–38

[Subvirion influenza vaccines: a subunit (glycoprotein) trivalent preparation Grippovac SE–AZh for immunization against influenza in children and persons with chronic pathology] Chumakov MP, et al. **Vestn Akad Med Nauk SSSR** 1983;(12):21–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Type C virus particles produced in human T-cell lines derived from acute lymphoblastic leukemia and a leukemic T-lymphoid malignancy. Oda T, et al. **Acta Med Okayama** 1983 Dec;37(6):529–33

Polypeptides and immunoreactivity of empty adenovirus type 1 particles. Berencsi G, et al. **Acta Microbiol Hung** 1983; 30(3–4):189–97

Isolation of virus-like particles in urine from a psoriatic patient. Iversen OJ. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Dec; 91(6):407–12

Unidentified virus-like particles in the intestine of patients with the acquired immunodeficiency syndrome. Chandler FW, et al. **Ann Intern Med** 1984 Jun;100(6):851–3

Experimental studies of a coronavirus and coronavirus-like agent in a barrier-maintained feline breeding colony. Stoddart CA, et al. **Arch Virol** 1984;79(1–2):85–94

Purification and molecular anatomy of the varicella-zoster virion. Grose C, et al. **Biken J** 1983 Mar;26(1):1–15

Chromosomal aberrations and retrovirus-like particles produced by in vivo transplantation in neoplastic brain cells of a Drosophila mutant strain. Ryo H, et al. **Gann** 1984 Jan;75(1):22–8

Demonstration of virus particles within immune complexes by electron microscopy. Lee FK, et al. **J Virol Methods** 1983 Sep;7(3):167–81

Isolation and characterization of a noninfectious virion-like particle released from cells infected with human strains of cytomegalovirus. Irmiere A, et al. **Virology** 1983 Oct 15; 130(1):118–33

Isolation and characterization of a Mo-MuSV-transformed TB cell line that produces noninfectious MuSV particles with uncleaved gag protein which is processed in the presence of Mo-MuLV. Soong MM, et al. **Virology** 1984 Jan 30;132(2):390–400

[Isolation of individual macromolecules from influenza virions] Kharitonenkov IG, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):530–9 (115 ref.) **(Rus)**

[Isolation of virion and low-molecular nonvirion ('soluble') antigens of the tick-borne encephalitis virus by fractional precipitation with polyethylene glycol] Liapustin VN, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):122–4 **(Rus)**

METABOLISM

SV40 virions and viral RNA metabolism are associated with cellular substructures. Ben-Ze'ev A, et al. **EMBO J** 1982; 1(10):1225–31

Autointerference of Marituba Virus (Bunyaviridae) in mouse L cells by defective interfering particles. Volkmer N, et al. **Intervirology** 1983;20(2–3):108–13

Attachment of Sendai virus particles to cell membranes: dissociation of adsorbed virus particles with dithiothreitol. Chejanovsky N, et al. **J Virol** 1984 Mar;49(3):1009–13

Mutation in the matrix protein of Newcastle disease virus can result in decreased fusion glycoprotein incorporation into particles and decreased infectivity. Peeples ME, et al. **J Virol** 1984 Jul;51(1):81–90

Mutations in the gag gene of Moloney murine leukemia virus: effects on production of virions and reverse transcriptase. Schwartzberg P, et al. **J Virol** 1984 Mar;49(3):918–24

Morphogenesis of human adenovirus type 2: sequence of entry of proteins into previral and viral particles. Morin N, et al. **Virology** 1984 Jul 15;136(1):153–67

[Virion protein synthesis in the lungs in experimental influenzal infection in animals] Prokudina EN, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):14–9 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Cytolytic T-cell mediated lysis of reovirus-infected cells: requirements for infectious virus, viral particles, and viral proteins in infected target cells. Kauffman RS, et al. **Virology** 1983 Dec;131(2):265–73

PHYSIOLOGY

Properties of lymphocytic choriomeningitis virus interfering particles. Martínez Peralta L, et al. **Arch Virol** 1983; 77(1):61–9

Recombination between simian virus 40 and adeno-associated virus: virion coinfection compared to DNA cotransfection. Grossman Z, et al. **Virology** 1984 Apr 15;134(1):125–37

ULTRASTRUCTURE

Linking components between capsomers in the adenovirus capsid. Adám E, et al. **Acta Microbiol Hung** 1984; 31(1):69–74

Prostatic leiomyosarcoma revealing cytoplasmic virus-like particles and intranuclear paracrystalline structures. Ohmori T, et al. **Acta Pathol Jpn** 1984 May;34(3):631–8

A virus-like particle associated with psoriasis. Dalen AB, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):221–9

Morphology of bovine viral diarrhea virus. Chu HJ, et al. **Am J Vet Res** 1984 May;45(5):845–50

BK virus-like particles in the urine of a patient with nephrotic syndrome—an electron microscopic observation. Nagao S, et al. **Fukushima J Med Sci** 1982 Dec;29(1–2):45–9

Production of virions with retrovirus morphology by human embryonal carcinoma cells in vitro. Bronson DL, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1043–51

A regular subunit pattern seen on non-infectious Newcastle disease virus particles. Russell PH, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1023–31

Virion orientation in cubic crystals of the human common cold virus HRV14. Arnold E, et al. **J Mol Biol** 1984 Aug 15;177(3):417–30

Structure of the Top a–t component of alfalfa mosaic virus. A non-icosahedral virion. Cusack S, et al. **J Mol Biol** 1983 Dec 5;171(2):139–55

Cytoplasmic inclusions in virus-infected salivary gland cells of Triatoma infestans Klug. Mello ML. **Rev Bras Biol** 1983 Aug;43(3):251–6

General morphology and capsid fine structure of African swine fever virus particles. Carrascosa JL, et al. **Virology** 1984 Jan 15;132(1):160–72

Establishment and analysis of a system which allows assembly and disassembly of alphavirus core-like particles under physiological conditions in vitro. Wengler G, et al. **Virology** 1984 Jan 30;132(2):401–12

Viruses of Spiroplasma citri and their possible effects on pathogenicity. Townsend R. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):771–6 (13 ref.)

[Case of isolated epidermolytic acanthoma—special reference to electron microscopic observation of virus like particles] Tomoda T, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Dec; 93(14):1527–32 **(Jpn)**

[Structural study of influenza A virus virions using cryogenic methods] Grigor'ev VB, et al. **Vopr Virusol** 1983 Nov–Dec; 28(6):723–6 (Eng. Abstr.) **(Rus)**

VIROIDS

Viroids. Diener TO. **Adv Virus Res** 1983;28:241–83 (155 ref.)

Portraits of viruses: the viroid. Diener TO. **Intervirology** 1984;22(1):1–16 (104 ref.)

ANALYSIS

Purification and partial characterization of the major 'pathogenesis-related' tomato leaf protein P14 from potato spindle tuber viroid (PSTV)-infected tomato leaves. Camacho Henriquez A, et al. **Arch Virol** 1984; 81(3–4):263–84

GENETICS

Fractionation with ethanol of nucleic acids from viroid-infected plants. Granell A, et al. **Anal Biochem** 1983 Oct 15;134(2):479–82

Oligomeric forms of potato spindle tuber viroid (PSTV) and of its complementary RNA are present in nuclei isolated from viroid-infected potato cells. Spiesmacher E, et al. **Biosci Rep** 1983 Aug;3(8):767–74

Sequence homology between potato spindle tuber viroid and U3B snRNA. Kiss T, et al. **FEBS Lett** 1983 Nov 14; 163(2):217–20

Double-stranded cDNAs of hop stunt viroid are infectious. Meshi T, et al. **J Biochem (Tokyo)** 1984 May;95(5):1521–4

Construction of infectious potato spindle tuber viroid cDNA clones. Cress DE, et al. **Nucleic Acids Res** 1983 Oct 11; 11(19):6821–35

Viroid replication: equilibrium association constant and comparative activity measurements for the viroid–polymerase interaction. Goodman TC, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6231–46

Hop stunt viroid: molecular cloning and nucleotide sequence of the complete cDNA copy. Ohno T, et al. **Nucleic Acids Res** 1983 Sep 24;11(18):6185–97

Structural similarities between viroids and transposable genetic elements. Kiefer MC, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6234–8

Viroid origin in jumping genes? [news] Lewin R. **Science** 1983 Nov 25;222(4626):915

ISOLATION & PURIFICATION

A two-dimensional electrophoretic technique for the detection of circular viroids and virusoids. Schumacher J, et al. **Anal Biochem** 1983 Dec;135(2):288–95

PHYSIOLOGY

A replication cycle for viroids and other small infectious RNA's. Branch AD, et al. **Science** 1984 Feb 3; 223(4635):450–5 (65 ref.)

[Plant viroids: their properties and replication mechanism] Takahashi T. **Uirusu** 1983 Dec;33(2):115–22 (68 ref.) **(Jpn)**

VIROLOGY

The virology laboratory services in Malaysia. Lam SK. **Malays J Pathol** 1982 Aug;5:19–22

[Organization of the equipment and public health measures in virological laboratories of epidemiological health stations] Derkach IuS, et al. **Lab Delo** 1984;(6):374–7 (Eng. Abstr.) **(Rus)**

[Organization of a centralized supply of cultured cells to virological laboratories] Golubchik IS, et al. **Lab Delo** 1984; (1):50–2 (Eng. Abstr.) **(Rus)**

[Problems of virology in Siberia and the Far North] Dubov AV. **Vestn Akad Med Nauk SSSR** 1983;(12):87–90 **(Rus)**

[Virological research in the eastern USSR] Somov GP. **Vestn Akad Med Nauk SSSR** 1983;(12):82–7 (Eng. Abstr.) **(Rus)**

EDUCATION

Perspectives on teaching medical and experimental virology in China. Bia FJ. **Conn Med** 1983 Nov;47(11):671–5

HISTORY

The virus verified [news] Darius J. **Nature** 1984 Feb 16–22; 307(5952):595

On the 35th anniversary of our journal. **Virologie** 1984 Jan–Mar;35(1):3–4

[Koch's postulates and virology] Döhrer L. **Z Erkr Atmungsorgane** 1983;161(1):21–4 (Eng. Abstr.) **(Ger)**

[Scientific activities of the A. B. Aleksanian Armenian Research Institute of Epidemiology, Virology and Medical Parasitology of the Order of the Red Banner of Labor (on the 60th anniversary of the founding of the Institute)] Dekhtsunian KM. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):114–7 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Contributions to the development of laboratory equipment. Hörer OL. **Virologie** 1983 Jul–Sep;34(3):213–22 (46 ref.)

METHODS

Survival of enteric viruses adsorbed on electropositive filters. Keswick BH. **Appl Environ Microbiol** 1983 Aug;46(2):501–2

Evaluation of immunofluorescence and cell culture techniques for detecting La Crosse virus infection in individual Aedes triseriatus (Diptera: Culicidae). Grimstad PR, et al. **J Med Entomol** 1983 Jul 21;20(4):458–60

First look inside adenoviruses [news] Maugh TH 2d. **Science** 1984 Feb 3;223(4635):473

[Modeling in virology] Ageeva ON, et al. **Dokl Akad Nauk SSSR** 1984;274(5):1214–7 **(Rus)**

[Use of monoclonal antibodies in virology] Lashkevich VA. **Vopr Virusol** 1983 Nov–Dec;28(6):648–54 (99 ref.) **(Rus)**

TRENDS

[Problems and prospects of veterinary virology] Kharalambiev KhE, et al. **Vet Med Nauki** 1983;

20(10):23-31 (Bul)

VIRULENCE

Relationship of cytotoxins of axenically cultivated Entamoeba histolytica to virulence. Lushbaugh WB, et al. **Gastroenterology** 1984 Jun;86(6):1488–95

[Biochemical aspects of the pathogenicity of Shigella. Protein components of aqueous extracts of virulent and non-virulent strains of Shigella flexneri] Stypułkowska-Misiurewicz H, et al. **Med Dosw Mikrobiol** 1983;35(1):33–41 (Eng. Abstr.) (Pol)

VIRUS ACTIVATION

In vivo and in vitro reactivation of latent pseudorabies virus in pigs born to vaccinated sows. van Oirschot JT, et al. **Am J Vet Res** 1984 Mar;45(3):567–71

Reactivation of type 2 herpes simplex virus by thoracolumbar neurosurgery. Haverkos HW, et al. **Ann Intern Med** 1984 Oct;101(4):503–4

Enhancement of endogenous xenotropic murine retrovirus expression by tuftsin. Suk WA, et al. **Ann NY Acad Sci** 1983;419:75–86

Indirect induction of SOS functions in Salmonella typhimurium. Barbé J, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):471–84

Activation of a type C virus particle in cells from the inbred mouse strain 129/J: antigenic relationship with the horizontally transmitted type C viruses of primates. Brief report. Rapp UR, et al. **Arch Virol** 1983;76(4):373–9

Evidence of proteolytic activation of Sendai virus in mouse lung. Tashiro M, et al. **Arch Virol** 1983;77(2–4):127–37

Hyperthermia enhances the reactivation of irradiated adenovirus in HeLa cells. Piperakis SM, et al. **Br J Cancer** 1984 Feb;49(2):199–205

Epstein–Barr virus–activating principle in human semen. Ito Y, et al. **Cancer Lett** 1984 Jun;23(2):129–34

Heat durability of Epstein–Barr virus–activating substances of plant origin: 12-O-tetradecanoylphorbol-13-acetate, 12-O-hexadecanoyl-16-hydrophorbol-13-acetate, croton oil, tung oil and Croton megalocarpus extract. Yanase S, et al. **Cancer Lett** 1984 Mar;22(2):183–6

Herpes simplex virus reactivation in surgical patients. Porteous C, et al. **Crit Care Med** 1984 Aug;12(8):626–8

RNA tumor virus–like particles in human fetal thymus cells stimulated by human B-cells. Ono A, et al. **Gann** 1983 Dec; 74(6):802–5

Cross-linking of cell surface immunoglobulins induces Epstein–Barr virus in Burkitt lymphoma lines. Takada K. **Int J Cancer** 1984 Jan 15;33(1):27–32

Inducible reactivation of bacteriophage T7 damaged by methyl methanesulfonate or UV light. Dodson LA, et al. **J Bacteriol** 1983 Oct;156(1):13–8

Induction of bacteriophage from members of the Mycobacterium avium, Mycobacterium intracellulare, Mycobacterium scrofulaceum serocomplex. Timme TL, et al. **J Gen Microbiol** 1984 Aug;130 (Pt 8):2059–66

Modulation by the polyoxotungstate HPA-23 of Epstein–Barr virus early antigen expression in Raji cells treated with iododeoxyuridine. Souyri-Caporale M, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):831–5

Interferon and natural killing of human lymphoma cell lines after induction of the Epstein Barr viral cycle by superinfection. Blazar BA, et al. **J Immunol** 1984 Feb; 132(2):816–20

Epstein–Barr virus with heterogeneous DNA disrupts latency. Miller G, et al. **J Virol** 1984 Apr;50(1):174–82

Encephalitis resulting from reactivation of latent herpes simplex virus in mice. Sekizawa T, et al. **J Virol** 1984 Apr; 50(1):263–6

Prophage induction in thermosensitive DNA mutants of Bacillus subtilis. Mauël C, et al. **MGG** 1984;194(3):451–6

Replication-control functions block the induction of an SOS response by a damaged P1 bacteriophage. Yarmolinsky MB, et al. **MGG** 1983;192(1–2):140–8

Prophage induction in Haemophilus influenzae and its relationship to mutation by chemical and physical agents. Balganesh M, et al. **Mutat Res** 1984 Jan;125(1):15–22

Trans-acting transcriptional activation of the long terminal repeat of human T lymphotropic viruses in infected cells. Sodroski JG, et al. **Science** 1984 Jul 27;225(4660):381–5

Attempted reactivation of latent bovine herpesvirus 1 infection in calves by infection with ruminant pestiviruses. Edwards S, et al. **Vet Microbiol** 1983 Nov;8(6):563–9

The activation of vaccinia virus infectivity by the transfer of phosphatidylserine from the plasma membrane. Ichihashi Y, et al. **Virology** 1983 Oct 30;130(2):306–17

DRUG EFFECTS

Effects of insulin, dexamethasone and phorbol ester on virus production in cultivated DBA/2 mouse leukemia (MLA) cells. Tamura A, et al. **Acta Virol (Praha)** 1983 Nov; 27(6):457–62

Effect of discontinuous acyclovir treatment on in vitro reactivation of herpes simplex virus from latently infected trigeminal ganglia. Klein RJ, et al. **Antimicrob Agents Chemother** 1983 Jul;24(1):129–31

Epstein–Barr virus activation in Raji cells with ether extracts of soil from different areas in China. Zeng Y, et al. **Cancer Lett** 1984 May;23(1):53–9

Platinum complexes with anticancer potential and their evaluation by a colorimetric lambda prophage induction assay. Das Sarma B, et al. **Chem Biol Interact** 1983 Sep 1;46(2):219–32

Reactivation of Bovid herpesvirus 1 and 2 and parainfluenza-3 virus in calves latently infected. Castrucci G, et al. **Comp Immunol Microbiol Infect Dis** 1983; 6(3):193–9

The genetic toxicology of metal compounds: I. Induction of lambda prophage in E coli WP2s(lambda). Rossman TG, et al. **Environ Mutagen** 1984;6(1):59–69

Differential inhibitory effects of retinoic acid on Epstein–Barr virus induction in producer and nonproducer cell lines. Morigaki T, et al. **Intervirology** 1984;22(1):56–60

Reactivation of murine latent HSV infection by epinephrine iontophoresis. Willey DE, et al. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):945–50

The tail fibre of bacteriophage T4 is sensitive to proteases at elevated temperatures. Granboulan P. **J Gen Microbiol** 1983 Jul;129 (Pt 7):2217–28

Interferon induced by UV-irradiated murine cytomegalovirus decreases type C virus expression in BALB/c cells treated by 5-iodo-deoxyuridine or cycloheximide. Sergiescu D. **J Interferon Res** 1983; 3(4):451–60

5-bromodeoxyuridine induction of hematopoietic neoplasia and retrovirus activation in the soft-shell clam, Mya arenaria. Oprandy JJ, et al. **J Invertebr Pathol** 1983 Sep; 42(2):196–206

Activation of antitumor agent gilvocarcins by visible light. Elespuru RK, et al. **Science** 1984 Jan 6;223(4631):69–71

Inactivation of hepatitis B and non-A, non-B viruses by combined use of Tween 80, beta-propiolactone, and ultraviolet irradiation. Prince AM, et al. **Thromb Haemost** 1983 Aug 30;50(2):534–6

Beta-propiolactone for the inactivation of non-A/non-B type 1 hepatitis virus capable of inducing cytoplasmic tubular ultrastructures in chimpanzees. Yoshizawa H, et al. **Vox Sang** 1984;46(2):86–91

[Mutagenic action of alkylating agents on prophage lambda] Bresler SE, et al. **Genetika (Moskva)** 1984 Jun;20(6):933–42 (Eng. Abstr.) (Rus)

[Inactivating properties of monoperphthalic acid in a model of the influenza virus] Zheleznova NV, et al. **Tr Inst Pastera** 1982;59:117–21 (Rus)

[Activating effect of adrenaline, prednisolone and vincristine in the late periods of tick-borne encephalitis virus persistence] Frolova TV, et al. **Vopr Virusol** 1984 Jan–Feb; 29(1):103–8 (Eng. Abstr.) (Rus)

[Streptomycin—an activator of persisting tick-borne encephalitis virus] Mzlenko GV, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):217–23 (Eng. Abstr.) (Rus)

[The phenomenon of proteolytic activation of myxoviruses and a new strategy for treating viral diseases] Zhirnov OP. **Vopr Virusol** 1983 Jul–Aug;28(4):9–21 (229 ref.) (Rus)

RADIATION EFFECTS

The induction of prophage expression in different Salmonella typhimurium strains by DNA cross-linking and monoadduct forming psoralens and longwave ultraviolet radiation. Connor MJ, et al. **Carcinogenesis** 1983 Nov; 4(11):1451–4

Lack of enhanced reactivation of simian virus 40 irradiated with van de Graaff electrons in U.V.-irradiated CV-1 monkey cells. Takimoto K. **Int J Radiat Biol** 1983 Dec; 44(6):653–7

Photobiological activity of 4-methylpsoralen and 4-methyl-4',5'-dihydropsoralen with respect to lethal and mutagenic effects on E. coli, and prophage induction. Fujita H. **Photochem Photobiol** 1984 Jun;39(6):835–9

[Method of influenza virus UV inactivation applied to the manufacture of an inactivated chromatographic influenza vaccine] Zheleznova NV. **Tr Inst Pastera** 1982;59:81–8 (Rus)

VIRUS CULTIVATION

see related
TISSUE CULTURE

Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. III. Reversion to virulence by passage of cloned virus in fetal rhesus lung cells. Halstead SB, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):672–8

Interaction of Autographa californica nuclear polyhedrosis virus with two nonpermissive cell lines. Gröner A, et al. **Intervirology** 1984;21(4):203–9

Cultivation of human rotaviruses in cell culture. Albert MJ, et al. **J Med Virol** 1984;13(4):377–83

A continuous cell line, GK, derived from the kidney tissue of Mongolian gerbil (Meriones unguiculatus) and its virological application. Nawa M. **Jpn J Med Sci Biol** 1983 Aug;36(4):215–8

Generation of new transforming viruses from SIRC cells 'phenotypically transformed' in the medium with low concentrations of serum or calcium ions. Pavlish OA, et al. **Neoplasma** 1984;31(1):15–20

The isolation, propagation and characterization of tissue-cultured equine rotaviruses. Gillespie J, et al. **Vet Microbiol** 1984 Feb;9(1):1–14

[Demonstration of an experimentally induced antigenic drift in rotaviruses] Heinrich HW. **Arch Exp Veterinarmed** 1983 Sep;37(5):667–70 (17 ref.) (Eng. Abstr.) (Ger)

METHODS

A comparison of avian and mammalian cell cultures for the propagation of avian reovirus WVU 2937. Barta V, et al. **Avian Dis** 1984 Jan–Mar;28(1):216–23

Improved focus assay of reticuloendotheliosis virus in a quail fibroblast cell line (QT35). Cho BR. **Avian Dis** 1984 Jan–Mar;28(1):261–5

Comparison of some storage and isolation methods to recover bluetongue virus from bovine blood. Thomas FC. **Can J Comp Med** 1984 Jan;48(1):108–10

Improved technic for dengue virus micro cell culture. Zhu GF, et al. **Chin Med J [Engl]** 1984 Jan;97(1):73–4

Cultivation of a porcine adenovirus in porcine thyroid cell cultures. Dea S, et al. **Cornell Vet** 1984 Jul;74(3):208–17

Production of a feline parvovirusvaccine using monolayer cell systems in roller flasks and microcarriers. Bergman R, et al. **Dev Biol Stand** 1983;55:77–8

Thousand litre scale microcarrier culture of Vero cells for killed polio virus vaccine. Promising results. Montagnon B, et al. **Dev Biol Stand** 1983;55:37–42

Efficiency of human rotavirus propagation in cell culture. Ward RL, et al. **J Clin Microbiol** 1984 Jun;19(6):748–53

The cultivation of human rotavirus, strain 'Wa', to high titer in cell culture and characterization of the viral structural polypeptides. Offit PA, et al. **J Virol Methods** 1983 Jul; 7(1):29–40

Large scale preparation of Rhizobium meliloti bacteriophages by fermenter culture. Werquin M, et al. **J Virol Methods** 1984 Feb;8(1–2):155–60

A microcarrier cell culture system for large scale production of hepatitis A virus. Widell A, et al. **J Virol Methods** 1984 Feb;8(1–2):63–71

[Comparison of methods for the large-scale culture of cells and viruses] Grachev VP, et al. **Vopr Virusol** 1983 Jul–Aug; 28(4):44–9 (Eng. Abstr.) (Rus)

VIRUS DISEASES

Viral infections of the inner ear: clinical, virologic, and pathologic studies in humans and animals. Davis LE, et al. **Am J Otolaryngol** 1983 Sep–Oct;4(5):347–62 (124 ref.)

Viral etiology of acute respiratory diseases in Rio de Janeiro: first two years of a longitudinal study. Sutmoller F, et al. **Bull WHO** 1983;61(5):845–52

The biology of virus diseases, their diagnosis and management. Mehta VR. **Indian J Pediatr** 1983 Sep–Oct; 50(406):547–51

The viral aetiology of rheumatoid arthritis [editorial] **Lancet** 1984 Apr 7;1(8380):772–4

Symposium on medical virology. **Med Clin North Am** 1983 Sep;67(5):933–1175

Ocular viral infections. Matoba A. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):358–68 (116 ref.)

A virological perspective on bone marrow failure. Mortimer PP. **Prog Clin Biol Res** 1984;148:121–7

Multiple viruses in diabetes mellitus. Jenson AB, et al. **Prog Med Virol** 1984;29:197–217 (69 ref.)

[Viral infection and cervix carcinoma] Schneweis KE. **Gynakologe** 1984 Jun;17(2):84–7 (34 ref.) (Ger)

BLOOD

Value of leukocyte alkaline phosphatase and other leukocyte parameters in diagnosis of neonatal infection. Paul RS, et al. **Biol Neonate** 1984;45(6):275–9

Circadian growth hormone and prolactin blood concentration during a self-limited viral infection and artificial hyperthermia in man. Bunner DL, et al. **Metabolism** 1984 Apr;33(4):337–41

CEREBROSPINAL FLUID

Immunoglobulin levels in serum and cerebrospinal fluid in certain viral infections of the central nervous system. Prasad R. **J Infect Dis** 1983 Sep;148(3):607

COMPLICATIONS

Viral infections predisposing to bacterial infections. Mills EL. **Annu Rev Med** 1984;35:469–79 (60 ref.)

Respiratory virus infections and aeroallergens in acute bronchial asthma. Carlsen KH, et al. **Arch Dis Child** 1984 Apr;59(4):310–15

Fatal outcome of acute thrombocytopenic purpura associated with a viral infection in an 11-year-old child. Küenzlen E, et al. **Blut** 1984 Jun;48(6):363–7

Postviral neurological syndromes [editorial] Behan PO. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):853–4

Viral and immune mechanisms of demyelination. Salazar AM, et al. **Bull Soc Belge Ophtalmol** 1983 Nov;208:113–20

Role of viral infections in asthma and allergy. Frick OL. **Clin Rev Allergy** 1983 Mar;1(1):5–17 (51 ref.)

Infectious diarrhea: an update. Kluge RM. **Compr Ther** 1983 Nov;9(11):26–30 (18 ref.)

Viruses in the pathogenesis of type I diabetes. Yoon JW. **Curr Probl Clin Biochem** 1983;12:11–44 (89 ref.)

Bronchopulmonary obstruction in children with respiratory virus infections. Carlsen KH, et al. **Eur J Respir Dis** 1984 Feb;65(2):92–8

Changes in beta-adrenergic responses as a consequence of infection with micro-organisms. Terpstra GK, et al. **Eur J Respir Dis [Suppl]** 1984;135:34–46 (92 ref.)

Complication of epidemic viral conjunctivitis. Billore OP, et al. **Indian J Ophthalmol** 1983 Jul;31(4):395–6

Acute transient myositis of childhood. O'Reilly C, et al. **Ir J Med Sci** 1983 Oct;152(10):387–9
Chronic active hepatitis in intravenous drug abusers may be delta agent infection associated. Shattock AG, et al. **Ir J Med Sci** 1984 Jan;153(1):17–9
Acute viral encephalitis complicating a first manic episode. Myers K, et al. **J Fam Pract** 1984 Mar;18(3):403–7
Viral and immunopathology in multiple sclerosis. Lewis SM. **J Neurosurg Nurs** 1983 Dec;15(6):346–9
Viral infection may lead to vessel wall problems [news] Gunby P. **JAMA** 1984 Mar 2;251(9):1131–2
Muscle acidosis in post-viral fatigue [letter] **Lancet** 1984 Aug 4;2(8397):293
Excessive intracellular acidosis of skeletal muscle on exercise in a patient with a post-viral exhaustion/fatigue syndrome. A 31P nuclear magnetic resonance study. Arnold DL, et al. **Lancet** 1984 Jun 23;1(8391):1367–9
Viruses and schizophrenia [letter] Kaufmann CA, et al. **Lancet** 1983 Nov 12;2(8359):1136–7
The combined effect of viruses and drugs in drug-induced diseases. Levy M. **Med Hypotheses** 1984 Jul;14(3):293–6
Immune mechanisms in the pathogenesis of chronic active hepatitis. Voiosu R, et al. **Med Interne** 1984 Apr–Jun; 22(2):87–98
Viral and epidemiologic studies of idiopathic sudden hearing loss. Wilson WR, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):653–8
Viral infections and obstructive airway disease in early life. Welliver RC. **Pediatr Clin North Am** 1983 Oct;30(5):819–28 (49 ref.)
Bacterial tracheitis and viral croup [letter] Naqvi SH, et al. **Pediatr Infect Dis** 1984 May–Jun;3(3):282–3
A review of the oral manifestations of infections in pediatric patients. Wright JM, et al. **Pediatr Infect Dis** 1984 Jan–Feb; 3(1):80–8 (35 ref.)
The acquired immune deficiency syndrome: viral infections and etiology. Armstrong D. **Prog Med Virol** 1984;30:1–13 (18 ref.)
The viral hypothesis of schizophrenia: smoke—but is there fire? van Kammen DP, et al. **Psychopharmacol Bull** 1984 Summer;20(3):523–5
Viral infections in clinical pertussis. Wesley AG, et al. **S Afr Med J** 1983 Oct 1;64(15):577–8
Opportunistic infections and impaired cell-mediated immune responses in patients with the acquired immune deficiency syndrome. Roberts RB, et al. **Trans Am Clin Climatol Assoc** 1983;95:40–51
Contributions to the study of the etiology of serofibrinous pleurisy in Romania, under the present epidemiological conditions. Evaluation of the etiological role of viruses. Bungetianu G, et al. **Virologie** 1984 Jan–Mar;35(1):11–9
Evaluation of the prematurity risk on the ground of severity scores reflecting the action of different factors, maternal virus infection included. Cristea A, et al. **Virologie** 1984 Jan–Mar;35(1):21–30
Clinical complications of Mycoplasma pneumoniae disease—other organs. Suzuyama Y, et al. **Yale J Biol Med** 1983 Sep–Dec;56(5–6):487–91
[Viral myocarditis associated with complete heart block and Adams–Stokes attacks] Cui GG. **Chung Hua Nei Ko Tsa Chih** 1983 Jun;22(6):348–51 (Eng. Abstr.) **(Chi)**
[The viral hypothesis of schizophrenia. Results of virological research] Libíková H, et al. **Cesk Psychiatr** 1983 Dec; 79(6):361–75 **(Cze)**
[Respiratory tract infections and CARA. I. Virus infections] Kreukniet J, et al. **Ned Tijdschr Geneeskd** 1984 May 19; 128(20):954–7 **(Dut)**
[Viruses and juvenile diabetes mellitus] Wattre P. **Sem Hop Paris** 1984 Apr 12;60(16):1153–61 (112 ref.) (Eng. Abstr.) **(Fre)**
[Viral heart disease: practical consequences] Kaltenbach M, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:167–72 **(Ger)**
[The significance of rare viral infections and the etiology of fetal damage] Krech U. **Zentralbl Gynakol** 1983; 105(21):1345–54 (Eng. Abstr.) **(Ger)**
[A case of selective IgA deficiency (acquired type) with necrotizing lymphadenitis and other manifold clinical features] Murakami Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Apr;73(4):533–7 **(Jpn)**
[Etiology of diabetes mellitus—is diabetes of a viral origin?] Minakami H, et al. **Rinsho Byori** 1984 Mar;32(3):248–54 (41 ref.) **(Jpn)**
[Disease and violence: social behavior disorders as a response to communicable disease] da Cruz Tiriba A. **Rev Paul Med** 1983 Nov–Dec;101(6):245–7 **(Por)**
[Neurotropic viral infection and optic neuritis (Considerations on diagnosis and treatment)] Cinciu G, et al. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):139–42 (Eng. Abstr.) **(Rum)**
[Viral infections in hemoblastoses] Loginskiĭ VE, et al. **Klin Med (Mosk)** 1983 Nov;61(11):116–21 (Eng. Abstr.) **(Rus)**
[Viruses as a cause of secondary immunodeficiencies in animals] Makarov VV, et al. **Vopr Virusol** 1984 Mar–Apr; 29(2):148–52 (33 ref.) **(Rus)**
[Papilledema as a result of a past neuroinfection] Abramova AF, et al. **Vrach Delo** 1983 Oct;(10):110–2 **(Rus)**
[Disorders of lipid metabolism indices and various aspects of their correction in infectious-toxic lesions of the nervous system in young children] Il'chuk IT. **Zh Nevropatol Psikhiatr** 1983;83(10):1472–8 (Eng. Abstr.) **(Rus)**
[Viruses, viral immunity and mental disorders (review)] Libikova G, et al. **Zh Nevropatol Psikhiatr** 1984; 84(1):115–22 (58 ref.) **(Rus)**
[Viral infections in children with asthma as provoking factors in asthma crises. Anamnesis and clinical aspects] Radivojević S, et al. **Srp Arh Celok Lek** 1983 Mar; 111(3):297–303 (Eng. Abstr.) **(See)**
[Membranous laryngotracheobronchitis] Labay Matías MV, et al. **An Esp Pediatr** 1984 Jan;20(1):33–40 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Quantitative C-reactive protein (CRP) determined by an immunoturbidimetric method in rapid differential diagnosis of acute bacterial and viral diseases of children. Peltola H, et al. **Acta Paediatr Scand** 1984 Mar;73(2):273–4
Laboratory diagnosis of viral infections. Dembert ML, et al. **Am Fam Physician** 1983 Oct;28(4):125–39
Analysis of the differential diagnosis and assessment of pleuritic chest pain in young adults. Branch WT Jr, et al. **Am J Med** 1983 Oct;75(4):671–9
Viral gastroenteritis and laboratory detection of rotavirus. Bowdre JH. **Am J Med Technol** 1983 Sep;49(9):665–8
Febrile illness in Malaysia—an analysis of 1,629 hospitalized patients. Brown GW, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):311–5
Immunofluorescence in diagnostic virology. McIntosh K. **Ann NY Acad Sci** 1983;420:376–80
Negative staining and immune electron microscopy as techniques for rapid diagnosis of viral agents. Riepenhoff-Talty M, et al. **Ann NY Acad Sci** 1983; 420:391–400
Enzyme immunoassays for the diagnosis of viral infections. Yolken RH, et al. **Ann NY Acad Sci** 1983;420:381–90
Interferon assay in patients suspected of viral infections as a tool for rapid diagnosis. Brief report. Negreanu J, et al. **Arch Virol** 1983;78(1–2):103–7
Idiosyncratic reactions to carbamazepine mimicking viral infection in children. Brain C, et al. **Br Med J [Clin Res]** 1984 Aug 11;289(6441):354
Fulminant human T cell leukaemia lymphoma masquerading as acute viral infection of the nervous system. Shanson DC, et al. **Br Med J [Clin Res]** 1983 Dec 10;287(6407):1764–5
Diagnosis and management of viral infections. Turner PA, et al. **Compr Ther** 1984 Jun;10(6):20–9 (13 ref.)
Viral arthritis. Yonker RA, et al. **Compr Ther** 1983 Sep; 9(9):38–46
Respiratory virus infection in hospitalized children in Austria 1979–1982. Diagnosis by immunofluorescence. Popow-Kraupp T, et al. **Infection** 1984 May–Jun; 12(3):185–9
Rapid viral diagnosis: a review. Gershon AA. **Isr J Med Sci** 1983 Oct;19(10):874–5
Serological markers as an aid in the diagnosis of viral infections. Morag A. **Isr J Med Sci** 1983 Oct;19(10):876–80
Rapid viral diagnosis. Richman DD, et al. **J Infect Dis** 1984 Mar;149(3):298–310 (54 ref.)
Haemolytic uraemic syndrome: evidence of multiple viral infections in a cluster of ten cases. Larke RP, et al. **J Med Virol** 1983;12(1):51–9
Viral infections of the nervous system. Weiner LP, et al. **J Neurosurg** 1984 Aug;61(2):207–24 (145 ref.)
Ventriculographic findings in the convalescent stage in eleven cases with acute myocarditis. Hasumi M, et al. **Jpn Circ J** 1983 Nov;47(11):1310–6
A long-term follow-up study of acute viral and idiopathic myocarditis. Hayakawa M, et al. **Jpn Circ J** 1983 Nov; 47(11):1304–9
Immunological techniques in the diagnosis of viral infections. Rubin SJ. **Lab Res Methods Biol Med** 1983;8:173–82
Viral respiratory illnesses. Anderson LJ, et al. **Med Clin North Am** 1983 Sep;67(5):1009–30 (207 ref.)
Viral gastroenteritis. Barnett B. **Med Clin North Am** 1983 Sep;67(5):1031–58 (225 ref.)
Rapid viral diagnosis. Schmidt NJ. **Med Clin North Am** 1983 Sep;67(5):953–72 (98 ref.)
Clinical uses of the diagnostic virology laboratory. Smith TF. **Med Clin North Am** 1983 Sep;67(5):935–51 (40 ref.)
Diagnostic virology in the community hospital. Extent and options. Smith TF. **Postgrad Med** 1984 Jan;75(1):215–23
Infectious arthritis and osteomyelitis. Schmid FR. **Primary Care** 1984 Jun;11(2):295–306
A molecular approach to the diagnosis of virus infections. Brown F. **Prog Brain Res** 1983;59:1–10
Rapid diagnosis of viral infections in the central nervous system. Grandien M, et al. **Scand J Infect Dis** 1984; 16(1):1–8 (27 ref.)
Rapid detection by immunofluorescence of multiple viral infections in patients with keratitis. Athanasi P, et al. **Virologie** 1984 Apr–Jun;35(2):83–8
[Contribution of electron microscopy to virological diagnosis] Rýc M. **Bratisl Lek Listy** 1983 Jul;80(1):106–16 **(Cze)**
[Nucleic acid hybridization—a new method of diagnosing microbial infections] Virtanen M, et al. **Duodecim** 1983; 99(19):1416–22 **(Fin)**
[Virus diseases in the ENT area] Wilmes E, et al. **Arch Otorhinolaryngol [Suppl]** 1983;1:1–112 (Eng. Abstr.) **(Ger)**
[Prenatal and perinatal virus infections from gynecologic and obstetrical viewpoints] Knörr K. **Geburtshilfe Frauenheilkd** 1983 Nov;43(11):701–9 (Eng. Abstr.) **(Ger)**
[Viral myocarditis] Brettel HF, et al. **Lebensversicherungsmedizin** 1983 Oct 6;35(8):185–9 (Eng. Abstr.) **(Ger)**
[Infections of the respiratory tract. Early virological diagnosis] Gerth HJ. **MMW** 1983 Nov 18;125(46):1057–8 **(Ger)**
[Pathogen diagnosis in transition] Marget W. **MMW** 1983 Sep 30;125(39):831–3 **(Ger)**
[Rapid diagnosis in virus diseases (editorial)] Meier-Ewert H. **MMW** 1983 Nov 18;125(46):1053–4 **(Ger)**
[Viral myocarditis: symptomatology, clinical diagnosis and hemodynamics] Bolte HD, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983;49:131–40 **(Ger)**
[Virus and other infections in pregnancy: diagnosis and prevention. 2] Enders G. **Z Geburtshilfe Perinatol** 1983 Jul–Aug;187(4):155–67 (Eng. Abstr.) **(Ger)**
[Year-long observation of 100 cases of viral myocarditis] Goch JH, et al. **Pol Arch Med Wewn** 1983 Mar;69(3):185–90 (Eng. Abstr.) **(Pol)**
[Diagnostic procedures in suspected diseases of viral etiology] Malkowska E. **Pol Tyg Lek** 1983 Mar 14;38(11):345–9 (11 ref.) **(Pol)**
[Staphylococcal protein A in microbiological laboratory practice. II.] Negut M, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):1–26 (132 ref.) **(Rum)**
[Viral lesions of the heart] Variasin VV. **Arkh Patol** 1984; 46(6):86–9 (50 ref.) **(Rus)**
[Chronic viral infections] Boriskon IuS, et al. **Klin Med (Mosk)** 1984 Apr;62(4):28–34 (37 ref.) **(Rus)**
[Use of the indirect hemagglutination test for diagnosing viral infections] Chaĭka NA. **Tr Inst Pastera** 1981;56:98–105 (20 ref.) **(Rus)**
[Uniqueness of the inflammatory processes in virus infections] Avtsyn AP, et al. **Vestn Akad Med Nauk SSSR** 1983; (11):3–10 (44 ref.) (Eng. Abstr.) **(Rus)**
[Viral infections of laboratory mice and their incidence] Maĭboroda AD. **Vopr Virusol** 1984 Jan–Feb;29(1):8–14 (58 ref.) **(Rus)**
[Exanthematous viral diseases and measles: serology] Pérez-Chóliz V, et al. **An Esp Pediatr** 1984 Jan;20(1):8–17 (Eng. Abstr.) **(Spa)**
[Rapid viral diagnosis—a modern technic for the early diagnosis of virus infections] Grandien M, et al. **Lakartidningen** 1984 Mar 28;81(13):1277–84 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Investigations on the activity of p-chlorophenylamide of 3-methyl-5-benzoylaminoisothiazole-4-carboxylic acid (ITCL) in the experimental keratitis. Gieldanowski J. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):621–9
Infectious disease: new organisms, new diseases and expanding new antimicrobial agents. Petersen EA, et al. **Ariz Med** 1984 Jun;41(6):385–9 (33 ref.)
Ribavirin. Conner CS. **Drug Intell Clin Pharm** 1984 Feb; 18(2):137–8
The clinical use of intravenous acyclovir. Hopefl AW. **Drug Intell Clin Pharm** 1983 Sep;17(9):623–8 (56 ref.)
An open trial with acyclovir for the treatment of viral infections in marrow graft recipients. Van Lint MT, et al. **Haematologica (Pavia)** 1983 Nov–Dec;68(6):812–6
The immunomodulatory action of inosiplex in relation to its effects in experimental viral infections. Ohnishi H, et al. **Int J Immunopharmacol** 1983;5(3):181–96
Cytotoxic chemotherapy and viral infections: the role of acyclovir. Anderson H, et al. **J R Coll Physicians Lond** 1984 Jan;18(1):51–5
The use of acyclovir in children. Bryson YJ. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):345–8
New data on concentrated interferon in the treatment of viral eye diseases. Maichuk YF, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):71–6 **(Eng, Fre)**
Advances in the prophylaxis and treatment of infections in immunocompromised patients (a symposium). Lausanne, 11. 3. 1983. **Schweiz Med Wochenschr [Suppl]** 1983;14:1–75
Cyclosporine. Effects in autoimmunity, viral and fungal infections. **Transplant Proc** 1983 Dec;15(4 Suppl 1–2):2897–930
[Treatment of virus diseases with emetine] Synek P. **Cas Lek Cesk** 1984 May 25;123(21):649–50 (Eng. Abstr.) **(Cze)**
[A survey of views on the mechanism of the therapeutic effect of emetine in microbial and viral diseases] Synek P. **Cas Lek Cesk** 1984 May 4;123(18):547–8 (Eng. Abstr.) **(Cze)**
[Polyvinylpyrrolidone iodine collyrium] Coppens A, et al. **Bull Soc Belge Ophtalmol** 1983;206:85–90 (Eng. Abstr.) **(Fre)**
[Viral diseases of ORL region] Wilmes AE, et al. **Arch Otorhinolaryngol [Suppl]** 1983;2:1–9 **(Ger)**
[Chemotherapy of virus diseases] Mertens T, et al. **Internist (Berlin)** 1983 Nov;24(11):619–26 (23 ref.) **(Ger)**
[Diagnosis, prevention and treatment of infections of bacterial, fungal and viral origin in immunocompromised patients] Kurrle E, et al. **Onkologie** 1984 Feb;7 Suppl 1:37–45 (Eng. Abstr.) **(Ger)**
[Chemotherapy of viral diseases] Osterwalder B, et al.

Ther Umsch 1984 May;41(5):359–63 (Eng. Abstr.) (Ger)
[Future of antifungal and antiviral agents. 2. Antiviral agents. b. Present status of chemotherapy of viral infections of the respiratory tract] Togo Y. Nippon Rinsho 1984 Mar; 42(3):645–50 (39 ref.) (Jpn)
[Methods of immunopharmacologic treatment in infectious-allergic diseases of the eye] Malchuk IuF, et al. Oftalmol Zh 1983;38(4):217–20 (Eng. Abstr.) (Rus)
[Means and prospects for the experimental study of antibiotics in treating and preventing viral infections] Shneider MA. Tr Inst Pastera 1982;58:125–31 (Rus)
[Evaluation of the effectiveness of amantadine in various respiratory infections based on the results of a serological study] Taros LIu, et al. Tr Inst Pastera 1982;58:81–3 (Rus)
[Chemotherapy and chemoprophylaxis of viral infections] Votiakov VI, et al. Vestn Akad Med Nauk SSSR 1983; (12):62–6 (27 ref.) (Rus)
[The antiviral drug bonafton in the treatment of viral skin diseases] Pershin GN, et al. Vestn Dermatol Venerol 1983 Dec;(12):50–3 (Eng. Abstr.) (Rus)
[Use of dimexide in the treatment of acute respiratory diseases] Bondarenko IG, et al. Voen Med Zh 1984 Mar; (3):59–60 (Rus)

ENZYMOLOGY

Changes in ecto-5'-nucleotidase activity during early stages of vesicular stomatitis virus infection. Effects of concanavalin A. Daveze JL, et al. Acta Virol (Praha) 1983 Nov;27(6):518–22
Assay and the levels of 2-5A-synthetase in lymphocytes of patients with viral, bacterial and autoimmune diseases. Buffet-Janvresse C, et al. Ann Immunol (Paris) 1983 Sep-Oct;134D(2):247–58
(2'-5') Oligo A synthetase in human polymorphonuclear cells increased activity in interferon treatment and in viral infections. Schattner A, et al. Clin Exp Immunol 1984 Aug; 57(2):265–70
Application of an in vitro assay for serum thymidine kinase: results on viral disease and malignancies in humans. Gronowitz JS, et al. Int J Cancer 1984 Jan 15;33(1):5–12

ETIOLOGY

Infectious complications of gastrointestinal endoscopy. Vennes JA. Dig Dis Sci 1981 Jul;26(7 Suppl):60S–64S (25 ref.)
Effects of social and family factors on viral respiratory infection and illness in the first year of life. Gardner G, et al. J Epidemiol Community Health 1984 Mar;38(1):42–8
Viral infections in immunocompromised patients. Wong DT, et al. Med Clin North Am 1983 Sep;67(5):1075–92 (98 ref.)
[Viruses in foods and alimentary virus diseases] Emberger O. Cesk Epidemiol Mikrobiol Imunol 1983 Jul;32(4):241–6 (Eng. Abstr.) (Cze)
[AIDS and its association with human tumors and viruses. A viral and/or immunogenetic cause?] Mathé G. Biomed Pharmacother 1983;37(4):153–9 (117 ref.) (Eng. Abstr.) (Fre)
[Nosocomial epidemic of echovirus type 7 in a neonatology department] Cerny E, et al. Helv Paediatr Acta 1983 Dec; 38(5–6):457–65 (Eng. Abstr.) (Ger)
[Experimental viral carditis] Mertens T, et al. Verh Dtsch Ges Herz Kreislaufforsch 1983;49:107–9 (Ger)
[Infectious complications of leukemias and other tumors of the hematopoietic system] Ageev AK. Arkh Patol 1983; 45(7):13–20 (Eng. Abstr.) (Rus)
[Viral gastroenteritis] Drozdov SG. Vestn Akad Med Nauk SSSR 1983;(12):40–9 (46 ref.) (Eng. Abstr.) (Rus)
[Viral infections in ophthalmology] Krasnov MM, et al. Vestn Akad Med Nauk SSSR 1983;(12):50–3 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

[Model for the in vitro study of the repair processes of DNA damage: human cells chronically infected with RNA-containing viruses with an inhibited repair system] Kolonina IV, et al. Dokl Akad Nauk SSSR 1983 Sep-Oct; 272(1):211–3 (Rus)

HISTORY

[Koch's postulates and virology] Döhner L. Z Erkr Atmungsorgane 1983;161(1):21–4 (Eng. Abstr.) (Ger)
[Ancient history of viral diseases in man] Matumoto M. Uirusu 1983 Dec;33(2):79–86 (Jpn)

IMMUNOLOGY

Interference between human hepatitis A virus and an attenuated apathogenic avian virus. Csatary LK, et al. Acta Microbiol Hung 1984;31(2):153–8
Secretory immunoglobulin A antibodies to respiratory viruses in middle ear effusion of chronic otitis media with effusion. Yamaguchi T, et al. Ann Otol Rhinol Laryngol 1984 Jan-Feb;93(1 Pt 1):73–5
Viral and bacterial infectious diseases. Porterfield JS, et al. Br Med Bull 1984 Jul;40(3):283–90 (92 ref.)
Development of an immunoelectroosmophoresis test for the detection and typing of antibodies to vesicular stomatitis viruses. Wilks CR, et al. Can J Comp Med 1984 Apr; 48(2):179–83
Cell-mediated immunity and pregnancy. Lederman MM. Chest 1984 Sep;86(3 Suppl):6S–9S (35 ref.)
Chemiluminescence of whole blood. II. Application to clinical examination of phagocytic functions of whole blood from various types of disease. Tono-oka T, et al. Clin Immunol Immunopathol 1983 Dec;29(3):333–40
Protective role of natural killer cells in tumor growth and viral infection in mice. Habu S, et al. Exp Cell Biol 1984; 52(1–2):40–3
HLA-B27, a dominant restricting element in antiviral responses? Gomard E, et al. Immunogenetics 1984; 20(2):197–204
Upper respiratory infections in asthma. Welliver RC. J Allergy Clin Immunol 1983 Oct;72(4):341–6 (31 ref.)
Transient autoantibodies with elevated complement levels in common viral diseases. Niwa Y, et al. J Clin Lab Immunol 1984 Apr;13(4):183–8
The role of antibody and complement in the control of viral infections. Cooper NR, et al. J Invest Dermatol 1984 Jul; 83(1 Suppl):121s–127s (34 ref.)
The viral hypothesis in parkinsonism. Elizan TS, et al. J Neural Transm [Suppl] 1983;19:75–88
From virus infection to autoantibody formation [letter] Bernstein R, et al. Lancet 1984 Jan 7;1(8367):42
Autoantibodies are anti-idiotype antibodies to antiviral antibodies. Plotz PH. Lancet 1983 Oct 8;2(8354):824–6
Viral infections in immunosuppressed patients. Hirschman SZ. NY State J Med 1984 May;84(5):241–4 (30 ref.)
Dopamine receptors and monoamine oxidase as virion receptors. Shaskan EG, et al. Perspect Biol Med 1984 Winter;27(2):239–50
Immunological monitoring of viral infections in renal transplant recipients. Brando B, et al. Proc Eur Dial Transplant Assoc 1983;20:265–70
Immunosuppressive effects of virus infection. Denman AM. Prog Brain Res 1983;59:47–59
Immunohistological studies of immunoglobulin-containing cells and viral antigens in some inflammatory diseases of the nervous system. Esiri MM. Prog Brain Res 1983; 59:209–19
Autoimmune disease and viral infection. Fleming JO, et al. Prog Brain Res 1983;59:91–6
Age-dependent paralytic viral infection in C58 mice: possible implications in human neurologic disease. Murphy WH, et al. Prog Brain Res 1983;59:291–303
Immune response in the CSF in viral infections. Siemes H, et al. Prog Brain Res 1983;59:133–44
Viruses and immunodeficiency diseases. Webster AD. Prog Brain Res 1983;59:81–90
Schizophrenia and viral and auto immune issues. Roos BE. Psychopharmacol Bull 1984 Summer;20(3):514–8
Complement, viruses, and virus-infected cells. Cooper NR, et al. Springer Semin Immunopathol 1983;6(4):327–47 (70 ref.)
Host-damaging immune responses in virus infections. Ashman RB, et al. Surv Immunol Res 1984;3(1):11–15
Recent developments in immunovirology. Finberg R. Surv Immunol Res 1984;3(2–3):233–7
Morphopathological aspects of viral immunity. Athanasiu P. Virologie 1984 Jan-Mar;35(1):55–61 (22 ref.)
Secretory antibodies in respiratory virus infections. Petrescu A. Virologie 1984 Apr-Jun;35(2):133–8 (29 ref.)
[Is there a relation between resistance to endogenous infection in the child and virus-induced nosocomial infections in pediatric clinics?] Bruns R, et al. Kinderarztl Prax 1984 Apr;52(4):168–76 (Eng. Abstr.) (Ger)
[T-lymphocyte subpopulation and the DNCB skin test in the corticosteroid-sensitive nephrotic syndrome. Significance of coexistent viral infection] Fydryk J, et al. Pediatr Pol 1983 Dec;58(12):929–34 (Eng. Abstr.) (Pol)
[Specific and non-specific immunologic reactivity among children with uveitis] Krichevskaia GI, et al. Oftalmol Zh 1983;38(5):288–92 (Eng. Abstr.) (Rus)
[Functional activity of peripheral polymorphonuclear leukocytes in newborn infants with intrauterine viral infections] Shabalov NP, et al. Pediatriia 1983 Oct;(10):15–7 (Eng. Abstr.) (Rus)
[HLA system in young children with respiratory viral diseases accompanied by an obstructive syndrome] Vartanian RV, et al. Pediatriia 1984 May;(5):14–6 (Eng. Abstr.) (Rus)
[Immunology of viral infections] Kosiakov PN. Vestn Akad Med Nauk SSSR 1983;(12):53–8 (Rus)
[Antibodies to viruses in children with diabetes mellitus] Lozovskaia LS, et al. Vopr Virusol 1983 Jul-Aug; 28(4):103–8 (Eng. Abstr.) (Rus)
[Mechanisms of the effect of a viral infection on the development of infectious allergic diseases] Gandzha IM, et al. Vrach Delo 1983 Nov;(11):12–5 (Eng. Abstr.) (Rus)

METABOLISM

The binding of insulin to mouse leucocytes during viral infections. Shimizu F, et al. Diabetologia 1983 Dec; 25(6):521–4
Insulin receptors in acute infection: a study of factors conferring insulin resistance. Drobny EC, et al. J Clin Endocrinol Metab 1984 Apr;58(4):710–6
Na and K changes in animal virus-infected HeLa cells. Nair CN. J Gen Virol 1984 Jun;65 (Pt 6):1135–8
Possible effect of viral infections on drug metabolism [letter] Jacknowitz AI. JAMA 1984 Apr 27;251(16):2084–5
Protein synthesis in VSV infected CNS, neuroblastoma and BHK cell lines. Marcovistz R, et al. Microbiologica 1983 Oct;6(4):293–304

MICROBIOLOGY

Comparison of early splenic changes associated with replication of viruses in murine monocytic macrophages. Kenyon AJ. Am J Vet Res 1984 May;45(5):1054–8
Introduction: viral infection of the respiratory tract. Gregg I. Eur J Respir Dis [Suppl] 1983;128 (Pt 1):329–31
Provocation of airflow limitation by viral infection: implication for treatment. Gregg I. Eur J Respir Dis [Suppl] 1983;128 (Pt 1):369–79
Is there an indigenous viral flora in man? Michalski FJ. J Med Soc NJ 1984 Feb;81(2):121–3
A unified concept for microbial genetics [letter] de Long R. J Theor Biol 1983 Jul 7;103(1):163–5
Detection of vesicular stomatitis virus RNA and its defective-interfering particles in individual mouse brains. Cave DR, et al. J Virol 1984 Apr;50(1):86–91
Human viral gastroenteritis. Cukor G, et al. Microbiol Rev 1984 Jun;48(2):157–79 (349 ref.)
[Differential diagnostic demarcations of infectious and non-infectious myocardial diseases] Kuhn H. Verh Dtsch Ges Herz Kreislaufforsch 1983;49:161–6 (Ger)
[Etiopathogenesis and sequelae of viral neuroinfections in children. I. Principles, materials and methods of study] Kańtoch M, et al. Med Dosw Mikrobiol 1983; 35(3–4):235–48 (Eng. Abstr.) (Pol)
[Inbred mice and their viruses as a model in virology] Malboroda AD. Vestn Akad Med Nauk SSSR 1983; (9):68–71 (49 ref.) (Eng. Abstr.) (Rus)
[Acquired immunodeficiency syndrome—a new virus infection?] Vopr Virusol 1983 Jul-Aug;28(4):124–6 (Rus)
[Factors and mechanisms of viral persistence in cell cultures] Andzhaparidze OG, et al. Vopr Virusol 1983 Jul-Aug; 28(4):4–9 (64 ref.) (Rus)
[Viral gastroenteritis in children] Kačić M, et al. Lijec Vjesn 1984 Jun;106(6):231–4 (Eng. Abstr.) (Scr)

OCCURRENCE

A prospective study of chlamydial, mycoplasmal, and viral infections in a neonatal intensive care unit. Rudd PT, et al. Arch Dis Child 1984 Feb;59(2):120–5
Epidemic of gastroenteritis caused by oysters contaminated with small round structured viruses. Gill ON, et al. Br Med J [Clin Res] 1983 Nov 19;287(6404):1532–4
Viruses associated with acute respiratory infections in children admitted to hospital in Naples, 1979–82. Montanaro D, et al. Bull WHO 1983;61(6):981–6
Food borne infection by a Norwalk like virus (small round structured virus). Riordan T, et al. J Clin Pathol 1984 Jul; 37(7):817–20
An outbreak of food-borne gastroenteritis in two hospitals associated with a Norwalk-like virus. Pether JV, et al. J Hyg (Lond) 1983 Oct;91(2):343–50
Disease pattern in a rural area. Balusamy BA. J Indian Med Assoc 1983 Jul 1–16;81(1–2):9–10
[Contribution of direct immunofluorescence diagnosis to the epidemiology of acute viral respiratory infections in young children] Freymuth F, et al. Sem Hop Paris 1983 Nov 10; 59(41):2849–53 (Eng. Abstr.) (Fre)
[Frequency of virus diseases in a regional hospital] Vüllers R, et al. Fortschr Med 1983 Oct 20;101(39):1749–54 (Eng. Abstr.) (Ger)
[Surveillance of acute viral respiratory tract infections in Europe. (Report of a WHO symposium, Madrid, 2–6 June 1980)] Z Erkr Atmungsorgane 1984;162(2):171–221 (Ger)
[New natural-focus viral diseases of man in the USSR (a review of the literature)] L'vov DK, et al. Med Parazitol (Mosk) 1984 Mar-Apr;(2):86–92 (58 ref.) (Eng. Abstr.) (Rus)
[Patterns of the epidemiologic process in influenza and other acute respiratory diseases during a period of outbreak of influenza A (H3N2)] Mukhina LP, et al. Tr Inst Pastera 1983;61:133–7 (Eng. Abstr.) (Rus)
[Child and respiratory viral infections in Finland] Rykushin IuP, et al. Tr Inst Pastera 1982;58:72–8 (59 ref.) (Rus)
[Viral infections of the central nervous system (patients treated from 1978 to 1981)] Kostić A, et al. Vojnosanit Pregl 1983 Sep-Oct;40(5):341–4 (Eng. Abstr.) (Scr)

PATHOLOGY

Electron microscopy of cells showing viral cytopathic effects in Papanicolaou smears. Smith J, et al. Acta Cytol (Baltimore) 1983 Nov-Dec;27(6):605–13
Koilocytotic metaplasia and koilocytotic dysplasia [letter] Rubinstein E. Am J Obstet Gynecol 1984 Feb 1; 148(3):355–6
Chronic delta infection and liver biopsy changes in chronic active hepatitis B. Kanel GC, et al. Ann Intern Med 1984 Jul;101(1):51–4
Ribosome topography in baby hamster kidney cells infected with Sindbis and vesicular stomatitis viruses. McGuire RP, et al. Biochim Biophys Acta 1983 Nov 17;741(2):258–68
Viral labyrinthitis: early pathology in the human. Karmody

CS. **Laryngoscope** 1983 Dec;93(12):1527–33

Viral infections of the human cervix: colposcopic, cytologic, histopathologic study. Tomasino RM, et al. **Pathologica** 1983 Mar–Apr;75(1036):257–69

Endomyocardial biopsy and viral heart disease. Richardson PJ, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1983; 49:141–7

[Clinical and pathological study on 8 cases of viral encephalitis] Wang ZY.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1983 Dec; 16(6):352–5 (Eng. Abstr.) **(Chi)**

[Sinus histiocytosis with massive lymphadenopathy—a virus-associated disease?] Kurlemann G, et al.
Monatsschr Kinderheilkd 1984 Feb;132(2):100–4 (Eng. Abstr.) **(Ger)**

[Changes in the heart in various acute respiratory infections in children] Variasin VV, et al. **Arkh Patol** 1983;45(10):21–6 (Eng. Abstr.) **(Rus)**

[Ultrastructural signs indicative of possible viral infection in rheumatoid arthritis] Mul'diiarov Pla, et al.
Revmatologiia (Moskva) 1983 Jul–Sep;(3):11–5 (Eng. Abstr.) **(Rus)**

[Morphological basis of the clinical symptoms in meningoencephalitis] Fedotov AF, et al. **Vrach Delo** 1984 Jun;(6):116–9 (Eng. Abstr.) **(Rus)**

[Pathogenesis of lesions of the central nervous system in serous meningitis and meningoencephalitis of viral etiology (review)] Gavura VV. **Zh Nevropatol Psikhiatr** 1983; 83(7):1084–92 (146 ref.) **(Rus)**

PHYSIOPATHOLOGY

Lung functional follow-up in children after severe viral infection. Gaultier C, et al. **Eur J Respir Dis** 1984 Aug; 65(6):460–7

Effect of airway infections on bronchial reactivity. Empey DW. **Eur J Respir Dis [Suppl]** 1983;128 (Pt 1):366–8

Viruses and tissue injury [news] Fields BN. **Nature** 1984 Jan 19–25;307(5948):213–4

Permeabilization of cells during animal virus infection. Carrasco L, et al. **Pharmacol Ther** 1983;23(1):109–45 (208 ref.)

Adverse effects of interferon in virus infections, autoimmune diseases and acquired immunodeficiency. Vilček J.
Prog Med Virol 1984;30:62–77 (56 ref.)

[Criteria for the functional state of the cardiovascular system in children with acute respiratory viral infections] Ivanova VV, et al. **Pediatriia** 1983 Aug;(8):60–1 **(Rus)**

[Functional status of the liver in toxic and septic diseases in young children] Mamatkulov KhM. **Pediatriia** 1983 Sep; (9):39–41 **(Rus)**

[The role of fever in protecting the body against acute infection. The severe form of the disease] Tasovac B.
Srp Arh Celok Lek 1983 Jul;111(7):949–57 **(Scc)**

PREVENTION & CONTROL

The WHO programme for prevention and control of viral, chlamydial, and rickettsial diseases. Brief review. Assaad FA, et al. **Arch Virol** 1983;76(4):275–88

A programme for controlling acute respiratory infections in children: Memorandum from a WHO meeting.
Bull WHO 1984;62(1):47–58

Immunization against infectious disease. Olshin IJ.
Compr Ther 1984 Jun;10(6):13–9

Protective effect of anticholinergic drugs and psyllium in a nosocomial outbreak of Norwalk gastroenteritis. Gustafson TL, et al. **J Hosp Infect** 1983 Dec;4(4):367–74

Protection against lethal viral infection by neutralizing and nonneutralizing monoclonal antibodies: distinct mechanisms of action in vivo. Lefrancois L. **J Virol** 1984 Jul;51(1):208–14

Prophylaxis: a strategy to minimise antiviral resistance. Ambinder RF, et al. **Lancet** 1984 May 26;1(8387):1154–5

Rationale for antiviral prophylaxis with interferon in kidney transplantation. Kramer P, et al. **Neth J Med** 1984; 27(2):31–4

Immunization against viral infections. Successful, ongoing mode of defense. Waldman RH, et al. **Postgrad Med** 1984 Jan;75(1):170–6, 181–7

Host defenses against viral infections and the outlook for antiviral therapy. Young LS.
Schweiz Med Wochenschr [Suppl] 1983;14:20–5

Viral vaccines and antiviral drugs. Report of a WHO Scientific Group. **WHO Tech Rep Ser** 1983;693:1–72

[Analysis of the benefits and costs of vaccination] Wilczek H. **Cas Lek Cesk** 1983 Nov 25;122(47):1468–9 **(Cze)**

[Recent active and passive preventive measures against virus diseases] Enders G. **Med Welt** 1984 Feb 17;35(7):210–22 **(Ger)**

[Induction of leukocyte interferon in pregnant women and parturients] Eristavi ZA, et al. **Akush Ginekol (Mosk)** 1984 Jan;(1):38–40 (Eng. Abstr.) **(Rus)**

[Achievements and prospects of the specific prophylaxis of viral diseases] Andzhaparidze OG.
Vestn Akad Med Nauk SSSR 1983;(12):3–8 **(Rus)**

[Disinfection in the control of acute respiratory tract diseases] Gorovenko AA. **Voen Med Zh** 1983 Sep;(9):37–8 **(Rus)**

RADIOGRAPHY

[Correlation between CT findings and clinical course in viral and bacterial meningoencephalitis] Krüger H, et al.
Computertomographie 1983 Mar;3(1):32–7 (Eng. Abstr.) **(Ger)**

THERAPY

Croup. **Aust Fam Physician** 1983 Sep;12(9):696

Clinical use of interferon in viral infections. Levin S.
Isr J Med Sci 1983 Nov;19(11):955–8

Antiviral activity of interferon in rats and the effect of immune suppression. Schellekens H, et al. **J Gen Virol** 1984 Feb;65 (Pt 2):391–6

The clinical implications of human interferon. Cesario TC. **Med Clin North Am** 1983 Sep;67(5):1147–62 (123 ref.)

Current status of interferon therapy. Gatenby PA, et al.
Med J Aust 1984 Apr 14;140(8):473–4

Interferon in acute and chronic viral infections. Brigden D, et al. **Prog Brain Res** 1983;59:97–103

[Interferon in the treatment of virus diseases] Abb J.
Internist (Berlin) 1983 Nov;24(11):627–31 **(Ger)**

[Specific and nonspecific therapy of virus diseases of the central nervous system] Neu IS, et al. **Nervenarzt** 1984 Feb; 55(2):57–61 **(Ger)**

[Interferon in skin diseases] Niimura M.
Gan To Kagaku Ryoho 1984 Feb;11(2):221–6 (Eng. Abstr.) **(Jpn)**

TRANSMISSION

Norwalk gastroenteritis: a community outbreak associated with bakery product consumption. Kuritsky JN, et al.
Ann Intern Med 1984 Apr;100(4):519–21

Viruses and bathing beach quality. Payment P.
Can J Public Health 1984 Jan–Feb;75(1):43–8

Biting midges (Diptera: Ceratopogonidae) and human health. Linley JR, et al. **J Med Entomol** 1983 Jul 21;20(4):347–64 (133 ref.)

[The importance of food in the transmission of viral diseases. Review] Emberger O. **Cesk Epidemiol Mikrobiol Imunol** 1984 Mar;33(2):102–15 (97 ref.) (Eng. Abstr.) **(Cze)**

[Urbanization and directly transmitted viral infections] Rey M. **Bull Soc Pathol Exot Filiales** 1983 May–Jun; 76(3):256–62 (19 ref.) **(Fre)**

[Sexually transmitted virus diseases and genital Chlamydia infections] **Hautarzt** 1983;34 Suppl 6:159–78 **(Ger)**

[Viruses in sewage sludge: epidemiological factors and practical conditions for effective hygienization] Siegl G.
Schweiz Arch Tierheilkd 1983 Oct;125(10):661–6 **(Ger)**

VETERINARY

Viruses isolated from Panamanian sloths. Seymour C, et al.
Am J Trop Med Hyg 1983 Nov;32(6):1435–44

Avian mycoplasma infections: prototype of mixed infections with mycoplasmas, bacteria and viruses. Bradbury JM.
Ann Microbiol (Paris) 1984 Jan–Feb;135A(1):83–9

Diarrhoea treatments—fluid replacement and alternatives. Bywater RJ. **Ann Rech Vet** 1983;14(4):556–60

Infection in piglets with a porcine rotavirus-like virus. Experimental inoculation and ultrastructural examination. Askaa J, et al. **Arch Virol** 1984;80(4):291–303

Viruses and virus-like particles in the faeces of dogs with and without diarrhoea. Marshall JA, et al. **Aust Vet J** 1984 Feb;61(2):33–8

The pattern of endemic parvovirus infection in four pig herds. Pointon AM, et al. **Aust Vet J** 1983 Jun;60(6):166–71

Evaluation of a gel diffusion precipitin test for porcine parvovirus. Too HL, et al. **Aust Vet J** 1983 Jun;60(6):161–5

Characterization of a calici-like virus (Newbury agent) found in association with astrovirus in bovine diarrhea. Bridger JC, et al. **Infect Immun** 1984 Jan;43(1):133–8

Paramyxovirus-like nucleocapsids associated with encephalitis in a captive Siberian tiger. Gould DH, et al.
J Am Vet Med Assoc 1983 Dec 1;183(11):1319–22

Papilloma-like virus infection in an African gray parrot. Jacobson ER, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1307–8

Astrovirus and Breda virus infections of dome cell epithelium of bovine ileum. Woode GN, et al. **J Clin Microbiol** 1984 May;19(5):623–30

Transmission of viruses by artificial breeding techniques: a review. Sellers RF. **J R Soc Med** 1983 Sep;76(9):772–5 (23 ref.)

Lack of neutralizing antibodies to caprine arthritis-encephalitis lentivirus in persistently infected goats can be overcome by immunization with inactivated Mycobacterium tuberculosis. Narayan O, et al. **J Virol** 1984 Feb;49(2):349–55

Parasites, diseases, and health status of sympatric populations of sika deer and white-tailed deer in Maryland and Virginia. Davidson WR, et al. **J Wildl Dis** 1983 Oct; 19(4):345–8

Lymphocystis from West Indian marine fishes. Williams EH, et al. **J Wildl Dis** 1984 Jan;20(1):51–2

Viral cross contamination of rats maintained in a fabric-walled mass air flow system. Thigpen JE, et al.
Lab Anim Sci 1983 Oct;33(5):446–50

Management of acute illness in cats. Hause WR.
Mod Vet Pract 1984 Jun;65(6):461–5

Experimental egg transmission of chicken anemia agent. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):99–100

Isolation of chicken anemia agent with MDCC-MSB1 cells from chickens in the field. Yuasa N, et al.
Natl Inst Anim Health Q (Tokyo) 1983 Fall;23(3):75–7

Distribution of chicken anemia agent (CAA) and detection of neutralizing antibody in chicks experimentally inoculated with CAA. Yuasa N, et al.
Natl Inst Anim Health Q (Tokyo) 1983 Fall;23(3):78–81

Some interactions of virus and maternal/foetal immune mechanisms in border disease of sheep. Barlow RM.
Prog Brain Res 1983;59:255–68

Adsorption to fish sperm of vertically transmitted fish viruses. Mulcahy D, et al. **Science** 1984 Jul 20;225(4659):333–5

Viral diseases of the skin of the bovine teat and udder. Gibbs EP. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):187–202 (18 ref.)

Infectious skin diseases of horses. Pascoe RR.
Vet Clin North Am [Large Anim Pract] 1984 Mar;6(1):27–46 (44 ref.)

Differential diagnosis of bovine teat lesions. Sieber RL, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):313–21

Pathology of maternal genital tract, placenta, and fetus in equine viral arteritis. Coignoul FL, et al. **Vet Pathol** 1984 May;21(3):333–40

Cellular lesions in intestinal mucosa of gnotobiotic calves experimentally infected with a new unclassified bovine virus (Breda virus). Pohlenz JF, et al. **Vet Pathol** 1984 Jul; 21(4):407–17

Efficacy of early (48 and 96 hour) protection against feline viral rhinotracheitis following intranasal vaccination with a live temperature sensitive mutant. Cocker FM, et al.
Vet Rec 1984 Apr 7;114(14):353–4

[Protein studies of viral hemorrhagic septicemia in rainbow trout] Chikova V, et al. **Vet Med Nauki** 1984;21(1):29–35 (Eng. Abstr.) **(Bul)**

[The present epizootological situation in intensively bred cattle in relation to the morbidity and mortality of calves during their rearing] Menšík J, et al. **Vet Med (Praha)** 1984 Jan;29(1):47–64 (Eng. Abstr.) **(Cze)**

[Quantitative determination of spring viremia carp virus (SVCV) antigens using immunofluorescence and immunoperoxidase plaque technic] Faisal M, et al.
Zentralbl Veterinarmed [B] 1983 Jul;30(6):466–70 (Eng. Abstr.) **(Ger)**

[Early mortality syndrome in chickens following double infection with Marek's disease virus and chicken anemia agent] von Bülow V, et al. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):742–50 (Eng. Abstr.) **(Ger)**

VIRUS INDUCTION see VIRUS ACTIVATION

VIRUS INHIBITORS

ANALYSIS

Size and stability of a naturally occurring virus inhibitor. Coppenhaver DH, et al. **Antimicrob Agents Chemother** 1984 May;25(5):646–9

ANTAGONISTS & INHIBITORS

[Rapid preparation of inhibitor-resistant clones of the influenza A viruses for diagnostic purposes] Sominina AA, et al. **Tr Inst Pastera** 1982;58:79–81 **(Rus)**

IMMUNOLOGY

A nonspecific inhibitor of hemagglutination by Tahyna virus in acetone-extracted mouse sera and its removal. Juřicová Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):26–33

ISOLATION & PURIFICATION

A broadly active viral inhibitor in human and animal organ extracts and body fluids. Kumar S, et al.
Proc Soc Exp Biol Med 1984 Oct;177(1):104–11

PHYSIOLOGY

Antiviral activity released from Aedes albopictus cells persistently infected with Semliki forest virus. Newton SE, et al. **J Virol** 1983 Sep;47(3):652–5

VIRUS RECEPTORS see RECEPTORS, VIRUS

VIRUS REPLICATION

Ultrastructural studies on the pathogenesis of poliomyelitis in monkeys infected with poliovirus. Hashimoto I, et al.
Acta Neuropathol (Berl) 1984;64(1):53–60

Effects of influenza virus replication on neutral proteolytic activities in embryonated egg fluids. Ewasyshyn ME, et al. **Acta Virol (Praha)** 1983 May;27(3):193–9

High reproduction capacity of recombinants between H3N2 human influenza and fowl plague viruses is due to the gene coding for M proteins. Klimov A, et al.
Acta Virol (Praha) 1983 Sep;27(5):434–8

Replication of Rift Valley fever virus in the sand fly Lutzomyia longipalpis. Hoch AL, et al.
Am J Trop Med Hyg 1984 Mar;33(2):295–9

Replication and dissemination of Rift Valley fever virus in Culex pipiens. Turell MJ, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):176–81

Suppressed lymphocyte blastogenic responses and enhanced in vitro growth of infectious bovine rhinotracheitis virus in stressed feeder calves. Blecha F, et al.
Am J Vet Res 1983 Nov;44(11):2145–8

Effects of bovine parainfluenza-3 virus on phagocytosis and phagosome-lysosome fusion of cultured bovine alveolar macrophages. Hesse RA, et al. **Am J Vet Res** 1983 Oct;

44(10):1901–7
Comparison of early splenic changes associated with replication of viruses in murine monocytic macrophages. Kenyon AJ. **Am J Vet Res** 1984 May;45(5):1054–8
Variation of virus replication in primary bovine kidney cell cultures derived from 68 three-day-old calves. Stauber EH, et al. **Am J Vet Res** 1983 Dec;44(12):2376–8
Coronavirus replication in the intestinal and respiratory tracts during infection of calves. Reynolds DJ **Ann Rech Vet** 1983;14(4):445–6
Inhibition of feline leukemia virus replication by human leukocyte interferon. Jameson P, et al. **Antiviral Res** 1983 Aug;3(2):115–20
Early events in the replication of parvovirus LuIII. Majaniemi I, et al. **Arch Virol** 1984;81(3–4):285–302
Immunofluorescent sites in vero cells infected with the flavivirus Kunjin. Ng ML, et al. **Arch Virol** 1983; 78(3–4):177–90
Replication of thymidine kinase deficient herpes simplex virus type 1 in neuronal cell culture: infection of the PC 12 cell. Rubenstein R, et al. **Arch Virol** 1983;78(1–2):49–64
The replication of Rocio virus in brain tissue of suckling mice. Study by electron microscopy. Tanaka H, et al. **Arch Virol** 1983;78(3–4):309–14
EM study of fastidious adenovirus type 40 replication in vitro. Ujfalusi MJ, et al. **Arch Virol** 1984;79(3–4):307–9
Persistent infection of cultivated cells with lymphocytic choriomeningitis virus: regulation of virus replication. Brief report. Weber C, et al. **Arch Virol** 1983;77(2–4):271–6
Viral tissue tropisms and interferon production in white leghorn chickens infected with two avian reovirus strains. Ellis MN, et al. **Avian Dis** 1983 Jul–Sep;27(3):644–51
Studies on interferon induction and interferon sensitivity of avian reoviruses. Ellis MN, et al. **Avian Dis** 1983 Oct–Dec; 27(4):927–36
Replication of herpes simplex virus in two cell systems derived from rhesus monkeys. Yamada M. **Biken J** 1983 Mar;26(1):35–47
A helix-destabilising protein from herpes simplex virus type I infected cells which specifically stimulates the virus induced DNA polymerase activity in vitro. Bruce CB, et al. **Biochem Biophys Res Commun** 1983 Oct 14; 116(1):327–34
Initiation rate of adenovirus DNA synthesis in infected cell. D'Halluin JC, et al. **Biochim Biophys Acta** 1984 May 15; 782(1):67–75
Initiation of SV40 DNA replication after microinjection into Xenopus eggs. McTiernan CF, et al. **Biochim Biophys Acta** 1984 Jul 18;782(3):295–303
Multiplication of hepatitis B virus in fulminant hepatitis B. Brechot C, et al. **Br Med J [Clin Res]** 1984 Jan 28; 288(6413):270–1
T cell regulation of pokeweed mitogen-induced polyclonal immunoglobulin production in mice: role of virus-replicating T cells in suppression. Kina T. **Bull Chest Dis Res Inst Kyoto Univ** 1983 Mar;16(1–2):49–59
Construction of a retrovirus packaging mutant and its use to produce helper-free defective retrovirus. Mann R, et al. **Cell** 1983 May;33(1):153–9
Stoichiometric use of the transposase of bacteriophage Mu. Pato ML, et al. **Cell** 1984 Jan;36(1):197–202
Rescue of adeno-associated virus from recombinant plasmids: gene correction within the terminal repeats of AAV. Samulski RJ, et al. **Cell** 1983 May;33(1):135–43
Construction and analysis of deletion mutations in the pol gene of Moloney murine leukemia virus: a new viral function required for productive infection. Schwartzberg P, et al. **Cell** 1984 Jul;37(3):1043–52
The replication of adenovirus DNA with purified proteins. Stillman BW. **Cell** 1983 Nov;35(1):7–9 (20 ref.)
Structure and assembly of adenoviruses. Philipson L. **Curr Top Microbiol Immunol** 1984;109:1–52
A new mechanism for the initiation of replication of phi 29 and adenovirus DNA: priming by the terminal protein. Salas M. **Curr Top Microbiol Immunol** 1984;109:89–106
Replication strategies of the single stranded RNA viruses of eukaryotes. Strauss EG, et al. **Curr Top Microbiol Immunol** 1983;105:1–98 (456 ref.)
The mechanism of adenovirus DNA replication and the characterization of replication proteins. Sussenbach JS, et al. **Curr Top Microbiol Immunol** 1984;109:53–73
Virus replication and liver disease in chronic hepatitis B virus infection. Alberti A, et al. **Dig Dis Sci** 1983 Nov; 28(11):961–6
Viral replication in chronic hepatitis B virus infection [editorial] Trotman BW. **Dig Dis Sci** 1983 Nov;28(11):961
Synchronization of bacteriophage Mu DNA replicative transposition: analysis of the first round after induction. Reich C, et al. **EMBO J** 1984 Jul;3(7):1507–11
Intracellular vesicles involved in the transport of Semliki Forest virus membrane proteins to the cell surface. Saraste J, et al. **EMBO J** 1983;2(11):2001–6
Replication of coronavirus MHV-A59 in sac- cells: determination of the first site of budding of progeny virions. Tooze J, et al. **Eur J Cell Biol** 1984 Mar;33(2):281–93
The cytolytic T lymphocyte response to the murine cytomegalovirus. II. Detection of virus replication stage-specific antigens by separate populations of in vivo active cytolytic T lymphocyte precursors. Reddehase MJ, et al. **Eur J Immunol** 1984 Jan;14(1):56–61
The replication and eclipse-phase of the tick-borne encephalitis virus in Dermacentor reticulatus. Nosek J, et al. **Folia Parasitol (Praha)** 1984;31(2):187–9
Structure of the bacteriophage lambda cohesive end site: location of the sites of terminase binding (cosB) and nicking (cosN). Feiss M, et al. **Gene** 1983 Oct;24(2–3):207–18
Lambda phage DNA sequences affecting the packaging process. Miwa T, et al. **Gene** 1983 Oct;24(2–3):199–206
Expression of a DNA replication gene cluster in bacteriophage T4: genetic linkage and the control of gene product interactions. Gerald WL, et al. **Genetics** 1984 Aug; 107(4):537–49
Correlation between liver histology and markers of hepatitis B virus replication in infected patients: a study by in situ hybridization. Burrell CJ, et al. **Hepatology** 1984 Jan–Feb; 4(1):20–4
The window period between hepatitis B e antigen and antibody in chronic type hepatitis. Liaw YF, et al. **Hepatology** 1984 Jul–Aug;4(4):619–21
Hepatitis B virus replication in southern Africa blacks with HBsAg-positive hepatocellular carcinoma. Song E, et al. **Hepatology** 1984 Jul–Aug;4(4):608–10
Contribution of macrophage arginase in the intrinsic restriction of herpes simplex virus replication in permissive macrophage cultures induced by gamma-interferon containing products of activated spleen cells. Sethi KK. **Immunobiology** 1983 Dec;165(5):459–74
Bone-marrow derived macrophages as targets for the replication of mouse hepatitis virus type 3. Schindler L, et al. **Immunol Lett** 1983;7(2):107–10
Interaction of Autographa californica nuclear polyhedrosis virus with two nonpermissive cell lines. Gröner A, et al. **Intervirology** 1984;21(4):203–9
Ultrastructural changes during herpes simplex virus type 2 latency and reactivation in vitro. Hung T, et al. **Intervirology** 1984;21(1):5–16
Suppression of HSV-1 infection in trigeminal ganglion cells. An in vitro model of latency. Dunkel EC, et al. **Invest Ophthalmol Vis Sci** 1984 May;25(5):525–33
Instability of bacteriophage lambda initiator O and P proteins in DNA replication. Miwa T, et al. **J Biochem (Tokyo)** 1983 Aug;94(2):331–8
Cell cycle requisite for vesicular stomatitis virus replication in T lymphocytes activated with concanavalin A. Fujisawa H, et al. **J Clin Lab Immunol** 1984 Jan;13(1):41–6
Mechanism of interference between influenza A/WSN and B/Kanagawa viruses. Aoki H, et al. **J Gen Virol** 1984 Aug; 65 (Pt 8):1385–93
Adaptation of coronavirus JHM to persistent infection of murine sac(-) cells. Baybutt HN, et al. **J Gen Virol** 1984 May;65 (Pt 5):915–24
Lymphocytic choriomeningitis virus. VII. Structural alterations of the virion by treatment with proteolytic enzymes without loss of infectivity. Bruns M, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1431–5
Propagation of human candidate calicivirus in cell culture. Cubitt WD, et al. **J Gen Virol** 1984 Jun;65 (Pt 6):1123–6
Control of mouse hepatitis virus replication in macrophages by a recessive gene on chromosome 7. Smith MS, et al. **J Immunol** 1984 Jul;133(1):428–32
Genetic stability of A/Ann Arbor/6/60 cold-mutant (temperature-sensitive) live influenza virus genes: analysis by oligonucleotide mapping of recombinant vaccine strains before and after replication in volunteers. Cox NJ, et al. **J Infect Dis** 1984 Feb;149(2):194–200
Virus replication and induction of interferon in human epidermal keratinocytes following infection with herpes simplex virus. Schnipper LE, et al. **J Invest Dermatol** 1984 Jan;82(1):94–6
The relationship of temperature to the replication and virulence of dengue viruses. Vithanomsat S, et al. **J Med Assoc Thai** 1983 Sep;66(9):530–41
Evaluation of cold-adapted and temperature-sensitive mutants of parainfluenza virus type 3 in weanling hamsters. Crookshanks FK, et al. **J Med Virol** 1984;13(3):243–9
The mechanism of replication of hepatitis B virus: evidence of asymmetric replication of the two DNA strands. Fowler MJ, et al. **J Med Virol** 1984;13(1):83–91
Nucleotide sequence of the brome mosaic virus genome and its implications for viral replication. Ahlquist P, et al. **J Mol Biol** 1984 Feb 5;172(4):369–83
The functional origin of bacteriophage f1 DNA replication. Its signals and domains. Dotto GP, et al. **J Mol Biol** 1984 Feb 5;172(4):507–21
Sequence specificity for the initiation of RNA-primed simian virus 40 DNA synthesis in vivo. Hay RT, et al. **J Mol Biol** 1984 May 15;175(2):131–57
Replication of adenovirus mini-chromosomes. Hay RT, et al. **J Mol Biol** 1984 Jun 5;175(4):493–510
Pf1 bacteriophage replication—assembly complex. X-ray fibre diffraction of the high humidity form. Kneale GG, et al. **J Mol Biol** 1983 Dec 5;171(2):229–32
Autocatalytic replication of a recombinant RNA. Miele EA, et al. **J Mol Biol** 1983 Dec 15;171(3):281–95
Fidelity of DNA replication under conditions used for oligodeoxynucleotide-directed mutagenesis. Shi JP, et al. **J Mol Biol** 1984 Aug 5;177(2):269–78
Fv-1 host cell restriction of friend leukemia virus: microinjection of unintegrated viral DNA. Chinsky J, et al. **J Virol** 1984 Apr;50(1):271–4
Critical spatial requirement within the origin of simian virus 40 DNA replication. Cohen GL, et al. **J Virol** 1984 Jul; 51(1):91–6
Characterization of a host range mutant of human adenovirus 12 defective in early region 1B. Fukui Y, et al. **J Virol** 1984 Apr;50(1):132–6
Isolation of transformation-defective, replication-nondefective early region 1B mutants of adenovirus 12. Fukui Y, et al. **J Virol** 1984 Jan;49(1):154–61
RNA polymerase interaction with dnaB protein and lambda P protein during lambda replication. McKinney MD, et al. **J Virol** 1983 Nov;48(2):551–4
Two base changes restore infectivity to a noninfectious molecular clone of Moloney murine leukemia virus (pMLV-1). Miller AD, et al. **J Virol** 1984 Jan;49(1):214–22
Epstein-Barr virus with heterogeneous DNA disrupts latency. Miller G, et al. **J Virol** 1984 Apr;50(1):174–82
Polyomavirus origin for DNA replication comprises multiple genetic elements. Muller WJ, et al. **J Virol** 1983 Sep; 47(3):586–99
2-5A accumulates to high levels in interferon-treated, vaccinia virus-infected cells in the absence of any inhibition of virus replication. Rice AP, et al. **J Virol** 1984 Apr; 50(1):220–8
Initiation of plus-strand DNA synthesis during reverse transcription of an avian retrovirus genome. Smith JK, et al. **J Virol** 1984 Jan;49(1):200–4
Dissection of HA20, a double mutant of bacteriophage SPO1. Stewart CR. **J Virol** 1984 Jan;49(1):300–1
Selective cloning of a DNA single-strand initiation determinant from phi X174 replicative-form DNA. Strathearn MD, et al. **J Virol** 1984 Jan;49(1):178–82
Nonviable mutants of simian virus 40 with deletions near the 3' end of gene A define a function for large T antigen required after onset of viral DNA replication. Tornow J, et al. **J Virol** 1983 Sep;47(3):487–94
Isolation and characterization of measles virus intracellular nucleocapsid RNA. Udem SA, et al. **J Virol** 1984 Jan; 49(1):57–65
Identification of the viral sequence required for the generation of recovered avian sarcoma viruses and characterization of a series of replication-defective recovered avian sarcoma viruses. Wang LH, et al. **J Virol** 1984 Mar;49(3):881–91
Analysis of the herpes simplex virus genome during in vitro latency in human diploid fibroblasts and rat sensory neurons. Wigdahl B, et al. **J Virol** 1984 Jan;49(1):205–13
Improvement of respiratory syncytial virus replication in actively growing HEp-2 cells. Pons MW, et al. **J Virol Methods** 1983 Oct;7(4):217–21
Thymic stroma in AKR mice: its function and virus production. Hays EF, et al. **Leuk Res** 1984;8(4):637–45
Mu DNA replication in vitro: criteria for initiation. Higgins NP, et al. **MGG** 1984;194(1–2):60–4
Incorporation of thymine-containing DNA precursors in plasmolysed cells infected by the T4 non-lethal recombination defective mutants. Melamede RJ, et al. **MGG** 1983;191(3):389–92
Incorporation of thymine-containing DNA precursors in wild-type and mutant T4-infected plasmolysed cells. Melamede RJ, et al. **MGG** 1983;191(3):387–8
Incomplete growth of varicella-zoster virus in human monocytes. Baba M, et al. **Microbiol Immunol** 1983; 27(9):767–77
Rescue of functional replication origins from embedded configurations in a plasmid carrying the adenovirus genome. Hanahan D, et al. **Mol Cell Biol** 1984 Feb; 4(2):302–9
Human embryonic kidney cells: stable transformation with an origin-defective simian virus 40 DNA and use as hosts for human papovavirus replication. Major EO, et al. **Mol Cell Biol** 1984 Feb;4(2):379–82
Replication of hog cholera virus in porcine alveolar macrophage cultures. Nakamura S, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):101–2
Mutant viral RNAs synthesized in vitro show altered aminoacylation and replicase template activities. Dreher TW, et al. **Nature** 1984 Sep 13–19;311(5982):171–5
The terminal nucleotides of retrovirus DNA are required for integration but not virus production. Panganiban AT, et al. **Nature** 1983 Nov 10–16;306(5939):155–60
Replication of Epstein-Barr virus in human epithelial cells infected in vitro. Sixbey JW, et al. **Nature** 1983 Dec 1–7; 306(5942):480–3
Poliovirus infection of cyclophosphamide-treated mice results in persistence and late paralysis: II. Virologic studies. Jubelt B, et al. **Neurology (NY)** 1984 Apr; 34(4):494–9
Asymmetric budding of viruses in ependymal and choroid plexus epithelial cells. Kristensson K. et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):209–19
The propagation of a strain of swine vesicular disease virus in one-day-old mice. Kadoi K. **Nippon Juigaku Zasshi** 1983 Dec;45(6):821–3
In vivo and in vitro infections of chicken lymphocytes with Marek's disease virus or herpesvirus of turkeys. Kirisawa R, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):727–38
Identification of the replicative intermediates in SV40 DNA replication in vitro. Ariga H. **Nucleic Acids Res** 1984 Aug 10;12(15):6053–62
Viroid replication: equilibrium association constant and comparative activity measurements for the viroid-polymerase interaction. Goodman TC, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6231–46
Synthesis of the templates for influenza virion RNA replication in vitro. Beaton AR, et al.

Proc Natl Acad Sci USA 1984 Aug;81(15):4682–6
Purification in a functional form of the terminal protein of Bacillus subtilis phage phi 29. Prieto I, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1639–43
Frequent generation of nonrescuable reorganized Moloney murine sarcoma viral genomes. Shtivelman E, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):294–8
Antibody-mediated enhancement of dengue virus infection in mouse macrophage cell lines, Mk1 and Mm1. Hotta H, et al. **Proc Soc Exp Biol Med** 1984 Mar;175(3):320–7
Frog virus 3: a DNA virus with an unusual life-style. Granoff A. **Prog Med Virol** 1984;30:187–98 (34 ref.)
Abortive infection of coliphage T7 by antibiotic resistance R-factors which confer tetracycline resistance. Gómez B, et al. **Rev Latinoam Microbiol** 1983 Apr–Jun;25(2):87–96
A replication cycle for viroids and other small infectious RNA's. Branch AD, et al. **Science** 1984 Feb 3; 223(4635):450–5 (65 ref.)
Productive infection and cell-free transmission of human T-cell leukemia virus in a nonlymphoid cell line. Clapham P, et al. **Science** 1983 Dec 9;222(4628):1125–7
Cytomegalovirus replicates in differentiated but not in undifferentiated human embryonal carcinoma cells. Gönczöl E, et al. **Science** 1984 Apr 13;224(4645):159–61
Adaptation of lymphadenopathy associated virus (LAV) to replication in EBV-transformed B lymphoblastoid cell lines. Montagnier L, et al. **Science** 1984 Jul 6;225(4657):63–6
Plaque assay of equine influenza virus. Yamagishi H, et al. **Vet Microbiol** 1984 Apr;9(2):187–92
A temperature-sensitive (TS) mutant of frog virus 3 (FV3) is defective in second-stage DNA replication. Goorha R, et al. **Virology** 1984 Jul 15;136(1):186–95
Encephalomyocarditis virus replication complexes that prefer nucleoside diphosphates as substrates for viral RNA synthesis. Koonin EV, et al. **Virology** 1983 Sep; 129(2):309–18
Restricted replication of herpes simplex virus in human monocyte cultures: role of interferon. Linnavuori K, et al. **Virology** 1983 Oct 15;130(1):1–9
High-titer SV40 replication in human fibroblast cell lines derived from patients with Wiskott-Aldrich syndrome. Miyamura T, et al. **Virology** 1983 Sep;129(2):479–83
Immunological characterization of the role of adenovirus terminal protein in viral DNA replication. Rijnders AW, et al. **Virology** 1983 Dec;131(2):287–95
Characterization of the TRS/IRS origin of DNA replication of herpes simplex virus type 1. Stow ND, et al. **Virology** 1983 Oct 30;130(2):427–38
Restriction of Moloney murine leukemia virus replication in Moloney murine sarcoma virus-infected cells. Yuen PH, et al. **Virology** 1984 Jan 30;132(2):377–89
[Cytomorphological and cytochemical studies on the multiplication of bovine reovirus type 1 in a cell culture] Tunkara A, et al. **Vet Med Nauki** 1984;21(2):40–8 (Eng. Abstr.) **(Bul)**
[Immunofluorescence and electron microscopy study of bovine reovirus multiplication in cell culture] Tunkara A, et al. **Vet Med Nauki** 1984;21(3):20–8 (Eng. Abstr.) **(Bul)**
[Inhibition of NDV reproduction with antibodies against its F protein] Vasileva L, et al. **Vet Med Nauki** 1983;20(7):9–16 (Eng. Abstr.) **(Bul)**
[Replication of the cytopathogenic and noncytopathogenic BVD virus in culture. I. Quantitative and fluorescence serological comparison] Mahnel H, et al. **Zentralbl Veterinarmed [B]** 1984 Mar;31(2):131–40 (Eng. Abstr.) **(Ger)**
[Replication of cytopathogenic and noncytopathogenic cultured BVD virus. II. Ultrahistological findings] Mahnel H. **Zentralbl Veterinarmed [B]** 1984 May;31(4):261–73 (Eng. Abstr.) **(Ger)**
[Plant viroids: their properties and replication mechanism] Takahashi T. **Uirusu** 1983 Dec;33(2):115–22 (68 ref.) **(Jpn)**
[Induction of the replicative synthesis of DNA by SV40 virus T antigen introduced into cells using liposomes] Kulikov VV, et al. **Biokhimiia** 1984 May;49(5):836–41 (Eng. Abstr.) **(Rus)**
[Characteristics of the reproductive and immunogenic activity of moderately attenuated influenza A/1977–1980 viruses] Zhilova GP, et al. **Tr Inst Pastera** 1982;58:25–30 **(Rus)**
[Morphological proof of vaccinia virus multiplication in enucleated cells] Klitsunova NV, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):84–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The inhibition of yellow fever virus multiplication by suramin: a preliminary note. Croon JJ, et al. **Acta Leiden** 1980 Dec;48:5–8
Antiviral activity of aryl-furfurane derivatives. Votyakov VI, et al. **Acta Virol (Praha)** 1984 Jan;28(1):33–8
Effect of halothane on the replication of animal viruses. Bedows E, et al. **Antimicrob Agents Chemother** 1984 Jun; 25(6):719–24
Nucleic acid hybridization for measurement of effects of antiviral compounds on human cytomegalovirus DNA replication. Gadler H. **Antimicrob Agents Chemother** 1983 Sep;24(3):370–4
Combined interferon-alpha 2, rimantadine hydrochloride, and ribavirin inhibition of influenza virus replication in vitro. Hayden FG, et al. **Antimicrob Agents Chemother** 1984 Jan;25(1):53–7
Effect of 9-(1,3-dihydroxy-2-propoxymethyl)guanine on human cytomegalovirus replication in vitro. Mar EC, et al. **Antimicrob Agents Chemother** 1983 Oct;24(4):518–21
Effects of the nucleoside analog 2'-nor-2'-deoxyguanosine on human cytomegalovirus replication. Tocci MJ, et al. **Antimicrob Agents Chemother** 1984 Feb;25(2):247–52
Virus drug-resistance: mechanisms and consequences. Larder BA, et al. **Antiviral Res** 1984 Apr;4(1–2):1–42 (283 ref.)
Suppression of interferon synthesis by the pesticide carbaryl as a mechanism for enhancement of goldfish virus-2 replication. Shea TB, et al. **Appl Environ Microbiol** 1984 Feb;47(2):250–2
Antiviral activity of Wratizolin. Inglot AD. **Arch Immunol Ther Exp (Warsz)** 1983;31(5):601–10
Effect of urea and uric acid on influenza virus type C. Brief report. Prasad AK, et al. **Arch Virol** 1984;81(3–4):313–9
Potent synergistic inhibition of herpes simplex virus-2 by 9-[(1, 3-dihydroxy-2-propoxy)methyl]guanine in combination with recombinant interferons. Eppstein DA, et al. **Biochem Biophys Res Commun** 1984 Apr 16; 120(1):66–73
Influence of thromboxane synthetase inhibitors on virus replication in human lung fibroblasts in vitro. Fitzpatrick FA, et al. **Biochem Biophys Res Commun** 1983 Oct 14; 116(1):264–71
The inhibition of both initiation and elongation of adenovirus DNA replication by actinomycin D. Pincus S, et al. **Biochem Biophys Res Commun** 1984 Jun 29;121(3):1033–41
The effects of retinoids on the replication of herpes simplex virus type 1. Taylor JL, et al. **Curr Eye Res** 1984 Mar; 3(3):481–8
Effect of interferon treatment on blockade of protein synthesis induced by poliovirus infection. Muñoz A, et al. **Eur J Biochem** 1983 Dec 15;137(3):623–9
Specificity of the actinomycin-D-sensitive function of some RNA plant viruses. Turner MS, et al. **Intervirology** 1984; 21(4):224–8
5'-dephosphorylated 2',5'-adenylate trimer and its analogs. Inhibition of tobacco mosaic virus replication in tobacco mosaic virus-infected leaf discs, protoplasts, and intact tobacco plants. Devash Y, et al. **J Biol Chem** 1984 Mar 25;259(6):3482–6
Antiviral effects of bovine interferons on bovine respiratory tract viruses. Fulton RW, et al. **J Clin Microbiol** 1984 Apr; 19(4):492–7
Dextran sulphate 500 delays and prevents mouse scrapie by impairment of agent replication in spleen. Ehlers B, et al. **J Gen Virol** 1984 Aug;65 (Pt 8):1325–30
Effects of certain nucleoside analogues on human cytomegalovirus replication in vitro. Mar EC, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):47–53
Suppression of influenza virus replication in infected mice by protease inhibitors. Zhirnov OP, et al. **J Gen Virol** 1984 Jan;65 (Pt 1):191–6
Effect of novobiocin on mycoplasma virus L2 replication. Poddar SK, et al. **J Virol** 1984 Jan;49(1):283–6
Thrice weekly lymphoblastoid interferon is effective in inhibiting hepatitis B virus replication. Lok AS, et al. **Liver** 1984 Feb;4(1):45–9
Effect of arginine deprivation on murine cytomegalovirus replication. Aono J, et al. **Microbiol Immunol** 1984; 28(1):129–33
Glycyrrhizic acid inhibits influenza virus growth in embryonated eggs. Pompei R, et al. **Microbiologica** 1983 Jul;6(3):247–50
Effect of coumermycin on influenza A virus replicative cycle. Portincasa P, et al. **Microbiologica** 1984 Apr;7(2):121–32
DNA and RNA virus species are inhibited by xanthates, a class of antiviral compounds with unique properties. Sauer G, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3263–7
Investigation of the effect of cellular and viral nucleic acids on certain virus infections. Note 2. Effect of nucleic acids on virus multiplication in cell cultures. Iliescu R, et al. **Virologie** 1983 Jul–Sep;34(3):191–6
Inhibition of measles virus budding by phenothiazines. Bohn W, et al. **Virology** 1983 Oct 15;130(1):44–55
Inhibitory effect of N-phenyl-N'-3-hydroxyphenylthiourea (PTU-23) on the reproduction of encephalomyocarditis virus in Krebs-II cells. Galabov AS, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 May; 254(3):291–305
[Antiviral action of derivatives of 1,3,4-oxadiazine on reproduction of infectious rhinotracheitis virus] Gagov I, et al. **Acta Microbiol Bulg** 1984;14:129–32 (Eng. Abstr.) **(Bul)**
[Antiviral action of derivatives of 1,3,4-oxadiazine on reproduction of type A influenza viruses in vitro] Mikhallov I, et al. **Acta Microbiol Bulg** 1984;14:120–3 (Eng. Abstr.) **(Bul)**
[Effect of antibiotic A-23187 on the reproduction of viruses in cell cultures] Pancheva S. **Acta Microbiol Bulg** 1983; 13:29–32 (Eng. Abstr.) **(Bul)**
[Virostatic effect in the treatment of pityriasis rosea irritata with moroxydine-HC1] Grobe JW. **Derm Beruf Umwelt** 1984;32(1):25 **(Ger)**
[Suppression of potato virus reproduction as affected by human interferon] Ogarkov VI, et al. **Dokl Akad Nauk SSSR** 1984;276(3):743–5 **(Rus)**
[Effect of ribavirin on bunyavirus reproduction in cell culture and in an experiment on white mice] Berezina LK, et al. **Vopr Virusol** 1983 Sep–Oct;28(5):627–9 **(Rus)**
[Use of DEAE-Sephadex A-50 microcarriers for reproduction of the mumps virus] Krasnova NI, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):51–5 (Eng. Abstr.) **(Rus)**
[Effect of ribamidil on the reproduction of the herpes simplex virus in a CV1 cell culture] Linitskaia GL, et al. **Vopr Virusol** 1983 Nov–Dec;28(6):673–5 (Eng. Abstr.) **(Rus)**
[Effect of ribavirin on the reproduction of influenza B virus] Petrova IG, et al. **Vopr Virusol** 1984 Mar–Apr;29(2):158–62 (Eng. Abstr.) **(Rus)**
[Induction of alphavirus ts-mutations by N-methyl-N-nitro-N-nitrosoguanidine added to the replicating virus] Shablinskaia LM, et al. **Vopr Virusol** 1984 Jan–Feb;29(1):86–9 (Eng. Abstr.) **(Rus)**
[Effect of actinomycin D, cycloheximide and hypertonic concentrations of NaCl on the reproduction of the tick-borne encephalitis virus] Zhankov AI, et al. **Vopr Virusol** 1983 Jul–Aug;28(4):96–100 (Eng. Abstr.) **(Rus)**
[Effect of D-glucosamine on pixuna virus replication in chick embryo cell culture] Garda H, et al. **Rev Latinoam Microbiol** 1983 Oct–Dec;25(4):221–3 (Eng. Abstr.) **(Spa)**

VIRUSES

see related

INCLUSION BODIES, VIRAL

Sucrose phosphate glutamate for combined transport of chlamydial and viral specimens. Warford AL, et al. **Am J Clin Pathol** 1984 Jun;81(6):762–4
Respiratory viruses and sudden infant death. Williams AL, et al. **Br Med J [Clin Res]** 1984 May 19;288(6429):1491–3
Localisation of enteropathogens in paraffin embedded tissue by immunoperoxidase. Parsons KR, et al. **J Clin Pathol** 1984 Jun;37(6):645–50

ANALYSIS

Evidence for sequence heterogeneity among the double-stranded RNA segments of Penicillium chrysogenum mycovirus. Edmondson SP, et al. **J Gen Virol** 1984 Sep;65 (Pt 9):1591–9

CLASSIFICATION

Classification of Inoue-Melnick virus into three antigenic types. Inoue YK, et al. **J Clin Microbiol** 1984 Jul; 20(1):118–9
[Use of numerical taxonomy methods for identifying and classifying microorganisms] Chalka NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):7–14 (79 ref.) **(Rus)**

CYTOLOGY

[Relation between the surface components of microorganisms and their pathogenicity] Ulutan F. **Mikrobiyol Bul** 1984 Jan;18(1):63–7 **(Tur)**

DRUG EFFECTS

Toxicity of nickel to microbes: environmental aspects. Babich H, et al. **Adv Appl Microbiol** 1983;29:195–265
Potentiation of antiviral activity of acyclovir by polyene macrolide antibiotics. Malewicz B, et al. **Antimicrob Agents Chemother** 1984 Jun;25(6):772–4
Broad-spectrum antiviral activity of adenosine analogues. De Clercq E, et al. **Antiviral Res** 1984 Jun;4(3):119–33
Virus drug-resistance: mechanisms and consequences. Larder BA, et al. **Antiviral Res** 1984 Apr;4(1–2):1–42 (283 ref.)
Mechanisms of antiviral action of interferon. Baglioni C, et al. **Interferon** 1983;5:23–42 (54 ref.)
Effect of sucrose phosphate and sorbitol on infectivity of enveloped viruses during storage. Howell CL, et al. **J Clin Microbiol** 1983 Sep;18(3):658–62
A rapid method for the inactivation of virus infectivity prior to assay for interferons. Barrett AD, et al. **J Virol Methods** 1984 Jul;8(4):349–51
The determination of effective antiviral doses using a computer program for sigmoid dose-response curves. Taylor JL, et al. **J Virol Methods** 1984 May;8(3):225–32
Prophylaxis: a strategy to minimise antiviral resistance. Ambinder RF, et al. **Lancet** 1984 May 26;1(8387):1154–5
Approaches to new antibacterial and antiviral antibiotics. Thrum H. **Riv Biol** 1983 Summer;76(2):349–57 (25 ref.)
Mechanism of interferon action III—significance of pppA2'p5'A2'p5'A in the antiviral action of interferon. Liu XY, et al. **Sci Sin [B]** 1983 Aug;26(8):809–17
[Effect of antibiotic A-23187 on the reproduction of viruses in cell cultures] Pancheva S. **Acta Microbiol Bulg** 1983; 13:29–32 (Eng. Abstr.) **(Bul)**
[In vitro virucidal activity of antiseptics and disinfectants. I. Draft of the AFNOR virucidal activity standard] Garrigue G. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):640–2 (Eng. Abstr.) **(Fre)**
[In vitro virucidal activity of antiseptics and disinfectants. II. Simple dilution technic] Garrigue G, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):643–6 (Eng. Abstr.) **(Fre)**
[In vitro virucidal activity of antiseptics and disinfectants. III. Dilution-ultrafiltration-reconcentration technic] Garrigue G, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt

2):647–50 (Eng. Abstr.) (Fre)
[Determination of virucidal activity. Value of the bacteriophage as a viral model] Lepage C, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):631–5 (Eng. Abstr.) (Fre)
[Determination of the virucidal activity of antiseptics by a gel filtration method] Quero AM, et al. **Pathol Biol (Paris)** 1984 Jun;32(5 Pt 2):636–9 (Eng. Abstr.) (Fre)
[Metabolic substances produced by animal cells—interferon] Kishida T, et al. **Yakugaku Zasshi** 1983 May;103(5):483–96 (31 ref.) (Eng. Abstr.) (Jpn)
[Use of statistical graph methods to analyze the effect of environmental chemical pollutants on microorganisms] Geniatulin. **Gig Sanit** 1984 Mar;(3):65–70 (Rus)

ENZYMOLOGY

Viral thymidine kinase–based transfection systems. Kit S. **Prog Clin Biol Res** 1983;132C:327–36

GENETICS

Case–by case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1982 Jun;5(2):109–12
Case–by–case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1981 Sep;4(3):138–40
Case–by–case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1982 Jun;5(3):162–5
[Viruses and gene engineering] Tikhonenko TI. **Vestn Akad Med Nauk SSSR** 1983;(12):67–75 (47 ref.) (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Differential susceptibility of newborn mouse organ cultures to virus growth [letter] Bhonde RR, et al. **Acta Virol (Praha)** 1983 Sep;27(5):451
Assessment of the potential of insecticides, emulsifiers, and solvent mixtures to enhance viral infection in cultured mammalian cells. Brookman DH, et al. **Appl Environ Microbiol** 1984 Jan;47(1):80–3
Viricidal effects of Lactobacillus and yeast fermentation. Gilbert JP, et al. **Appl Environ Microbiol** 1983 Aug; 46(2):452–8
Survival of enteric viruses adsorbed on electropositive filters. Keswick BH. **Appl Environ Microbiol** 1983 Aug;46(2):501–2
[Darwinian evolution and viruses—approach of Fred Hoyle (editorial)] De Vries A. **Harefuah** 1984 Apr 1;106(7):323–5 (Heb)
[Ethanol, viruses and interferon in experimental models in vitro and in vivo] Libíková H, et al. **Cesk Psychiatr** 1984 Apr;80(2):107–16 (Eng. Abstr.) (Slo)

IMMUNOLOGY

Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses. Morein B, et al. **Nature** 1984 Mar 29–Apr 4;308(5958):457–60
Comparative studies of United Kingdom isolates of swine vesicular disease virus. Donaldson AI, et al. **Res Vet Sci** 1983 Nov;35(3):295–300
Complement, viruses, and virus–infected cells. Cooper NR, et al. **Springer Semin Immunopathol** 1983;6(4):327–47 (70 ref.)

ISOLATION & PURIFICATION

Ultrafiltration processes in biotechnology. Tutunjian RS. **Ann NY Acad Sci** 1983;413:238–53
Comparison of microporous filters for concentration of viruses from wastewater. Rose JB, et al. **Appl Environ Microbiol** 1984 May;47(5):989–92
A multiple extraction—centrifugation method for the recovery of viruses from waste water treatment plant effluents and sludges. Lewis MA, et al. **Can J Microbiol** 1983 Dec;29(12):1661–70
Virological examination of drinking water: a Canadian collaborative study. Payment P, et al. **Can J Microbiol** 1984 Jan;30(1):105–12
Virus cultures in amyotrophic lateral sclerosis [letter] Averback P. **Can Med Assoc J** 1983 Nov 15;129(10):1070–1
Search for evidence of a viral aetiology for inflammatory bowel disease. Yoshimura HH, et al. **Gut** 1984 Apr; 25(4):347–55
Enhanced virus isolation by use of the transporter for a regional laboratory. Warford AL, et al. **J Clin Microbiol** 1984 Apr;19(4):561–2
Astrovirus and Breda virus infections of dome cell epithelium of bovine ileum. Woode GN, et al. **J Clin Microbiol** 1984 May;19(5):623–30
Failure to isolate virus from CSF of schizophrenics [letter] Mered B, et al. **Lancet** 1983 Oct 15;2(8355):919
Rapid viral diagnosis. Schmidt NJ. **Med Clin North Am** 1983 Sep;67(5):953–72 (98 ref.)
Clinical uses of the diagnostic virology laboratory. Smith TF. **Med Clin North Am** 1983 Sep;67(5):935–51 (40 ref.)
Experimental egg transmission of chicken anemia agent. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):99–100
Distribution of chicken anemia agent (CAA) and detection of neutralizing antibody in chicks experimentally inoculated with CAA. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):78–81
Isolation of chicken anemia agent with MDCC–MSB1 cells from chickens in the field. Yuasa N, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Fall;23(3):75–7
Acute tonsillitis in children: microbial pathogens in relation to age. Douglas RM, et al. **Pathology** 1984 Jan;16(1):79–82
Importance of viruses and Legionella pneumophila in respiratory exacerbations of young adults with cystic fibrosis. Efthimiou J, et al. **Thorax** 1984 Feb;39(2):150–4
Viral pollution of the Arges as compared with that of other rivers in Romania. Nestor I, et al. **Virologie** 1983 Oct–Dec; 34(4):291–3
Virological and immunological study of 20 patients with Balkan endemic nephropathy. Voiculescu C, et al. **Virologie** 1983 Jul–Sep;34(3):203–11
[Virological diagnosis of sporadic encephalitis] Zhang LB. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Oct; 16(5):318–9 (Chi)
[Viruses in foods and alimentary virus diseases] Emberger O. **Cesk Epidemiol Mikrobiol Imunol** 1983 Jul;32(4):241–6 (Eng. Abstr.) (Cze)
[Mechanisms of the contamination of foods with viruses and factors influencing their activity] Emberger O. **Cesk Epidemiol Mikrobiol Imunol** 1983 Nov;32(6):355–65 (Eng. Abstr.) (Cze)
[Indicator value of bacteriophages with reference to viral contamination of water] Bagdasar'ian GA, et al. **Gig Sanit** 1983 Sep;(9):4–7 (Eng. Abstr.) (Rus)

METABOLISM

Interferon induction by viruses: one molecule of dsRNA as the threshold for interferon induction. Marcus PI. **Interferon** 1983;5:115–80
Binding of viruses and ligands to cells: effect of receptor density. Incardona NL. **J Theor Biol** 1983 Oct 21; 104(4):693–9
The use of selective free radical probes to study active sites in enzymes and viruses. Redpath JL. **Methods Enzymol** 1984;105:491–501
Constraints on the assembly of spherical virus particles. Rossmann MG. **Virology** 1984 Apr 15;134(1):1–11

PATHOGENICITY

Microbial pathogenicity in oral soft tissue diseases. Greenspan JS, et al. **J Dent Res** 1984 Mar;63(3):431–4

PHYSIOLOGY

The entry of enveloped viruses into cells by endocytosis. Marsh M. **Biochem J** 1984 Feb 15;218(1):1–10 (125 ref.)
A new theory on the origin and the nature of viruses. Bândea CI. **J Theor Biol** 1983 Dec 21;105(4):591–602
'Trojan Horse' leukocytes in AIDS [letter] Anderson DJ, et al. **N Engl J Med** 1983 Oct 20;309(16):984–5
[Infectious cell entry mechanism of enveloped viruses] Ohnishi S, et al. **Uirusu** 1984 Jun;34(1):11–24 (105 ref.) (Jpn)
[Bacterial adsorption on cultivated mammalian cells in conditions of mixed infection] Gosteva VV, et al. **Biull Eksp Biol Med** 1983 Oct;96(10):78–80 (Eng. Abstr.) (Rus)
[Ecology of viruses] L'vov DK. **Vestn Akad Med Nauk SSSR** 1983;(12):76–82 (22 ref.) (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Virus structure: high–resolution perspectives. Harrison SC. **Adv Virus Res** 1983;28:175–240 (138 ref.)
Infection in piglets with a porcine rotavirus–like virus. Experimental inoculation and ultrastructural examination. Askaa J, et al. **Arch Virol** 1984;80(4):291–303
Neutron scattering studies of virus structure. Cusack S. **Basic Life Sci** 1984;27:173–88
The evolution and function of biological molecular assemblies: from catalase to viruses. Ninth Keilin Memorial lecture. Rossmann MG. **Biochem Soc Trans** 1984 Apr; 12(2):115–26
A new method for preparing Formvar–C supporting film for the examination of viruses with electron microscope. Chen SH. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Nov;16(4):314–7
Preliminary observations on unidentified particles in mouse 'L' cells found by electron microscopy. Ellis DS, et al. **J Med Virol** 1984;13(1):45–52
Virus–like rods in a lymphoid line from an infant with AIDS [letter] Burrage T, et al. **N Engl J Med** 1984 May 31; 310(22):1460–1
Cryo–electron microscopy of viruses. Adrian M, et al. **Nature** 1984 Mar 1–7;308(5954):32–6
Fringed virus–like particles in diarrhoeic faeces from calves and dogs. Timoney PJ, et al. **Vet Rec** 1983 Oct 1; 113(14):318–9
[Contribution of electron microscopy to virological diagnosis] Rýc M. **Bratisl Lek Listy** 1983 Jul;80(1):106–16 (Cze)

VISAMMIN see **KHELLIN**

VISCOSITY

see related
BLOOD VISCOSITY

Plasma membrane microviscosity of Lewis lung carcinoma cells derived from local growth and pulmonary metastases. Rivnay B, et al. **Invasion Metastasis** 1981;1(2):99–110
A magnetic viscometer for shear–sensitive macromolecules. Brust R, et al. **J Biochem Biophys Methods** 1984 Jul; 9(3):221–31
[Measurement of sputum viscosity with the Jenssen viscometer] Ringelhann A, et al. **Z Erkr Atmungsorgane** 1984;162(2):134–40 (Eng. Abstr.) (Ger)
[Changes in the electrical and visco–elastic properties of bilayer lipid membranes during interaction with proteins and lipoproteins] Shimane Ch, et al. **Biofizika** 1984 May–Jun;29(3):419–23 (Eng. Abstr.) (Rus)

INSTRUMENTATION

A simple electronic capillary microviscometer. Müller FJ, et al. **Anal Biochem** 1983 Nov;135(1):106–11

VISION

see related
VISUAL PERCEPTION

Minimum visual requirements in different occupations in Finland. Aine E. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:104–10
The sources of light and lighting at work. Lampi E. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:66–83
Ergophthalmology. Occupational ophthalmology and the ergonomics of vision. Tengroth B. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:13–6
Changes in postural control and vision induced by multiple sclerosis. Daley ML, et al. **Agressologie** 1983 Jun; 24(7):327–9
Comparison of two methods of marking the visual axis on the cornea during radial keratotomy. Steinberg EB, et al. **Am J Ophthalmol** 1983 Nov;96(5):605–8
American Academy of Optometry annual meeting. Houston, Texas, December 10–13, 1983. **Am J Optom Physiol Opt** 1983 Oct;60(10):5P–115P
Relation between qualitative vision and qualitative over–keratometry in hydrogel contact lens wearers. Knoll HA. **Am J Optom Physiol Opt** 1984 Jul;61(7):448–52
Wide–angle optical model of the eye. Pomerantzeff O, et al. **Am J Optom Physiol Opt** 1984 Mar;61(3):166–76
Naturalistic studies of human light exposure. Okudaira N, et al. **Am J Physiol** 1983 Oct;245(4):R613–5
Apraxia and aphasia for a visual–gestural language. Poizner H, et al. **Am J Physiol** 1984 Jun;246(6 Pt 2):R868–83
Recovery of vision following treatment of the ocular ischemic syndrome. Kiser WD, et al. **Ann Ophthalmol** 1983 Apr;15(4):305–10
Progression of pseudovitelliform macular dystrophy. Hodes BL, et al. **Arch Ophthalmol** 1984 Mar;102(3):381–3
Visual results after microsurgical removal of meningiomas involving the anterior visual system. Rosenberg LF, et al. **Arch Ophthalmol** 1984 Jul;102(7):1019–23
Eye Operated Keyboard. Ignazzi V, et al. **Australas Phys Eng Sci Med** 1984 Apr–Jun;7(2):58–62
A systems model for the pupil size effect. I. Transient data. Sun F, et al. **Biol Cybern** 1983;48(2):101–?
Deprivation–induced biochemical changes in the pigeon visual system. Bagnoli P, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:71–5
Evaluation of the macular function in cataractous eyes by means of the Blue Field Entoptoscope. Miris R, et al. **Bull Soc Belge Ophtalmol** 1982;201:121–6
Leonardo da Vinci did not invent contact lenses. Heitz R. **CLAO J** 1983 Oct–Dec;9(4):313–6
Transducin and the cyclic GMP phosphodiesterase: amplifier proteins in vision. Stryer L. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:841–52
Response of cat retinal ganglion cells to motion of visual texture. Ahmed B, et al. **Exp Brain Res** 1984;53(2):444–50
The effects of short–term occlusion therapy on reversal of the anatomical and physiological effects of monocular deprivation in the lateral geniculate nucleus and visual cortex of kittens. Crewther SG, et al. **Exp Brain Res** 1983; 51(2):206–16
Effects of early monocular deprivation on visual input to cat nucleus of the optic tract. Hoffmann KP. **Exp Brain Res** 1983;51(2):236–46
Auditory compensation of the effects of visual deprivation in the cat's superior colliculus. Rauschecker JP, et al. **Exp Brain Res** 1983;50(1):69–83
Visual signals in the dorsolateral pontine nucleus of the alert monkey: their relationship to smooth–pursuit eye movements. Suzuki DA, et al. **Exp Brain Res** 1984; 53(2):473–8
Responses of different compartments of cat's splenius muscle to optokinetic stimulation. Wilson VJ, et al. **Exp Brain Res** 1983;50(1):153–6
Influence of vision on vibration–induced illusions of limb movement. Lackner JR, et al. **Exp Neurol** 1984 Jul; 85(1):97–106
ARVO 1984. The Association for Research in Vision and Ophthalmology. Annual spring meeting, Sarasota, Florida, April 30–May 4, 1984. Abstracts. **Invest Ophthalmol Vis Sci** 1984 Mar;25(3 Suppl):1–355

Stereoblind monkeys have few binocular neurons. Crawford ML, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):779–81
Effects of enucleation of the nondeprived eye on stimulus deprivation amblyopia in monkeys. Harwerth RS, et al. **Invest Ophthalmol Vis Sci** 1984 Jan;25(1):10–8
Fire fighter vision standards. Sheedy JE. **J Am Optom Assoc** 1984 May;55(5):365–74
The relation between vision, head motion and accuracy of free–field auditory localization. Shelton BR, et al. **J Aud Res** 1982 Jan;22(1):1–7
Anatomical consequences of long–term monocular eyelid closure on lateral geniculate nucleus and striate cortex in squirrel monkey. Tigges M, et al. **J Comp Neurol** 1984 Jul 20;227(1):1–13
Evaluation and integration of visual and auditory information in speech perception. Massaro DW, et al. **J Exp Psychol [Hum Percept]** 1983 Oct;9(5):753–71
A comparison of two conditioning procedures in the use of visual reinforcement audiometry (VRA). Thompson G, et al. **J Speech Hear Disord** 1984 Aug;49(3):241–5
Clinical application of temporal modulation transfer function. Kayazawa F, et al. **Jpn J Ophthalmol** 1984;28(1):9–19
Visual feedback of intonation I: Effectiveness and induced practice behavior. de Bot K. **Lang Speech** 1983 Oct–Dec; 26 (Pt 4):331–50
The effect of vibration on vision during microsurgery. Kagan J, et al. **Microsurgery** 1983;4(4):209–14
myo–Inositol polyphosphate may be a messenger for visual excitation in Limulus photoreceptors. Brown JE, et al. **Nature** 1984 Sep 13–19;311(5982):160–3
Optical physics: generation of the shortest ever optical pulses [news] Knight P. **Nature** 1984 Jun 21–27;309(5970):667
Light–dependent calcium release from photoreceptors measured by laser micro–mass analysis. Schröder WH, et al. **Nature** 1984 May 17–23;309(5965):268–70
Vertical disparity pooling and the induced effect. Stenton SP, et al. **Nature** 1984 Jun 14–20;309(5969):622–3
The area centralis of the retina in the cat and other mammals: focal point for function and development of the visual system. Rapaport DH, et al. **Neuroscience** 1984 Feb; 11(2):289–301
The visual display terminal issue: a consideration of its physiological, psychological and clinical background. Campbell FW, et al. **Ophthalmic Physiol Opt** 1983; 3(2):175–92
Limitations of blue field entoptoscopy in evaluating macular function. Murphy GE. **Ophthalmic Surg** 1983 Dec; 14(12):1033–6
Symposium on pediatric ophthalmology. **Pediatr Clin North Am** 1983 Dec;30(6):975–1200
Visual development in infancy and childhood. Greenwald MJ. **Pediatr Clin North Am** 1983 Dec;30(6):977–93
Ophthalmic examination of infants and children by the pediatrician. Reinecke RD. **Pediatr Clin North Am** 1983 Dec;30(6):995–1002
Use of visual training for reading disabilities: a review. Metzger RL, et al. **Pediatrics** 1984 Jun;73(6):824–9 (35 ref.)
Comparison of headlamp visibility distance and stopping distance. Olson PL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1177–8
Effects of skill level and sensory information on golf putting. Wannebo M, et al. **Percept Mot Skills** 1984 Apr;58(2):611–3
Rod light response augmented by active phosphodiesterase. Shimoda Y, et al. **Proc Natl Acad Sci USA** 1984 Jan; 81(2):616–9
The gecko visual pigment: its photosensitivity and the effects of chloride and nitrate ions. Crescitelli F, et al. **Proc R Soc Lond [Biol]** 1983 Nov 22;220(12..3):69–87 (21 ref.)
Vision by man and machine. Poggio T. **Sci Am** 1984 Apr; 250(4):106–16
Image sampling properties of photoreceptors: a reply to Miller and Bernard. Yellott JI Jr. **Vision Res** 1984; 24(3):281–2
[Binocular vision in the patient with unilateral pseudophakia] Gomez F, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:44–7 **(Fre)**
[Unilateral pseudophakia and binocular vision: apropos of 150 cases] Malthieu D, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:41–3 **(Fre)**
[Experimental design for the study of adaptive properties of the visuo–manual system in subjects newly provided with optic corrections] Mandelbrojt P, et al. **J Fr Ophtalmol** 1984;7(2):157–65 (Eng. Abstr.) **(Fre)**
[The work station at the video terminal: health aspects] Giannini M, et al. **Med Lav** 1983 Nov–Dec;74(6):453–63 (Eng. Abstr.) **(Ita)**
[Spatial modulation transfer function of anisometropic amblyopia] Sawada K. **Nippon Ganka Gakkai Zasshi** 1983; 87(10):827–31 (Eng. Abstr.) **(Jpn)**
[Mathematical model of two pathways of light perception by the photoreceptor cell] Markin VS, et al. **Biofizika** 1984 Jan–Feb;29(1):167–76 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of alcohol on the visual and ocular motor systems. Wilson G, et al. **Aust J Ophthalmol** 1983 Nov;11(4):315–9
Impairment of visuo–vestibular interaction in humans exposed to toluene. Hydén D, et al. **ORL J Otorhinolaryngol Relat Spec** 1983;45(5):262–9
[Significant but transient visual recovery after methanol poisoning] Rossazza C, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):545–8 (Eng. Abstr.) **(Fre)**
[Effects of cyaninoside chloride and Heleniene on mesopic and scotopic vision in myopia and night blindness] Solé P, et al. **J Fr Ophtalmol** 1984;7(1):35–9 (Eng. Abstr.) **(Fre)**
[Mediator nature of the action of cathinone on animal behavior] Machula AI, et al. **Farmakol Toksikol** 1983 Sep–Oct;46(5):19–22 (Eng. Abstr.) **(Rus)**
[Visual motor coordination in the postanesthesia period after operative dentistry interventions in the polyclinic] Aleksandrov VN, et al. **Stomatologiia (Mosk)** 1984 Mar–Apr;63(2):46–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Development of specific binding sites for [3H]kainic acid and [3H]muscimol in the chick optic tectum: modulation by early changes in visual input. Ramírez G, et al. **Adv Biochem Psychopharmacol** 1983;37:187–98
Visual–vestibular interaction. **Adv Otorhinolaryngol** 1983; 30:217–41
Effects of pinealectomy on reproduction in the Syrian hamster mutant anophthalmic white (Wh). Hagen SC, et al. **Am J Anat** 1983 Aug;167(4):523–38
Effect of luminance, contrast, and eccentricity on visual acuity in senile macular degeneration. Brown B, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):265–70
An anticipated threshold technique for measuring contrast sensitivity. Brussell EM, et al. **Am J Optom Physiol Opt** 1984 Feb;61(2):125–8
Large–sample norms for contrast sensitivity. Ginsburg AP, et al. **Am J Optom Physiol Opt** 1984 Feb;61(2):80–4
Eyelid closure effects on the refractive error of the eye in dark– and in light–reared kittens. Yinon U, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):271–3
Temporal contrast sensitivity in optic neuritis and amblyopia. Kayazawa F, et al. **Ann Ophthalmol** 1983 Apr;15(4):331–4
Spatial vision. Westheimer G. **Annu Rev Psychol** 1984; 35:201–26 (140 ref.)
Compatibility of stereopsis with three dimensional discretization. Richard I, et al. **Arch Int Physiol Biochim** 1983 Sep;91(3):P72–6
Preliminary visual results of pediatric epikeratophakia. Morgan KS, et al. **Arch Ophthalmol** 1983 Oct; 101(10):1540–4
Prognosis for vision in amblyopia after the loss of the good eye. Vereecken EP, et al. **Arch Ophthalmol** 1984 Feb; 102(2):220–4
A review of ocular malingering and hysteria for the flight surgeon. Hesterberg RC Jr, et al. **Aviat Space Environ Med** 1983 Oct;54(10):934–6
Pilot disorientation and the use of a peripheral vision display. The 1983 Annual Harry G. Armstrong Lecture. Malcolm R. **Aviat Space Environ Med** 1984 Mar;55(3): 231–8
The effects of acceleration forces on light vision. Tipton DA, et al. **Aviat Space Environ Med** 1984 Mar;55(3):186–90
A review of vision physiology. Tipton DA. **Aviat Space Environ Med** 1984 Feb;55(2):145–9 (25 ref.)
Some recent findings on the development of human binocularity: a review. Braddick OJ, et al. **Behav Brain Res** 1983 Oct;10(1):141–50 (27 ref.)
Peripheral vision and optokinetic nystagmus in children with unilateral congenital cataract. Maurer D, et al. **Behav Brain Res** 1983 Oct;10(1):151–61
Behavioural and electrophysiological measures of visual functions in children with neurological disorders. Mohn G, et al. **Behav Brain Res** 1983 Oct;10(1):177–87
Two spatio–temporal filters in human vision. 2. Selective modification in amblyopia, albinism, and hemianopia. Grounds AR, et al. **Biol Cybern** 1983;47(3):191–201
Two spatio–temporal filters in human vision. 1. Temporal and spatial frequency response characteristics. Holliday IE, et al. **Biol Cybern** 1983;47(3):173–90
The dynamic model of binocular rivalry. Matsuoka K. **Biol Cybern** 1984;49(3):201–8
EEG–responsiveness to eye opening and closing in mildly retarded children compared to a control group. Härdle W, et al. **Biol Psychol** 1984 May;18(3):185–99
Short–term effect of slit–lamp illumination and argon laser light on visual function of diabetic and non–diabetic subjects. Ghafour IM, et al. **Br J Ophthalmol** 1984 May; 68(5):298–302
Effects of vision–restricting 'polypeepers' on the behaviour of laying hens during adaptation, feeding, on general activity, agonistic behaviour and pecking damage. Arbi A, et al. **Br Poult Sci** 1983 Jul;24(3):371–81
Identification of [3H]deoxyglucose–labelled interneurons in the fly from serial autoradiographs. Buchner E, et al. **Brain Res** 1984 Jul 9;305(2):384–8
Monocular deprivation with concurrent sagittal transection of the optic chiasm. Garraghty PE, et al. **Brain Res** 1984 Jun;316(2):292–4
Transneuronal effects of early eye removal on geniculo–cortical projection cells. Jeffery G. **Brain Res** 1984 Apr;315(2):257–63
Effect of early unilateral visual deprivation on cholinergic muscarinic receptors and acetylcholinesterase in chick optic lobe. Jerusalinsky DA, et al. **Brain Res** 1984 Jun; 316(2):279–83
Horizontal optokinetic nystagmus in the cat: effects of long–term monocular deprivation. Malach R, et al. **Brain Res** 1984 Apr;315(2):193–205
Membrane potential affects photocurrent kinetics in salamander rods and cones. Nicol GD, et al. **Brain Res** 1984 Apr 9;297(1):164–8
Retino–pretectal projections in monocularly deprived cats. Olavarria J, et al. **Brain Res** 1984 Jan;314(1):141–5
The postnatal development of synapses in the different laminae of the visual cortex in the normal kitten and in kittens with eyelid suture. Winfield DA. **Brain Res** 1983 Aug;285(2):155–69
The regulation of phosphorylation of a specific protein in synaptosomal fractions from Drosophila heads: the effects of light and two visual mutants. Kelly LE. **Cell Mol Neurobiol** 1983 Jun;3(2):127–41
Critical problems in spatial vision. Kelly DH, et al. **Crit Rev Biomed Eng** 1984;10(2):125–77 (274 ref.)
Myopia induction in animals following alteration of the visual input during development: a review. Yinon U. **Curr Eye Res** 1984 Apr;3(4):677–90
Occipital lobe epilepsy with scotosensitive seizures: the role of central vision. Lugaresi E, et al. **Epilepsia** 1984 Feb; 25(1):115–20
Pigeon pattern electroretinogram: a response unaffected by chronic section of the optic nerve. Bagnoli P, et al. **Exp Brain Res** 1984;55(2):253–62
Non–linear effects in visual suppression of vestibular nystagmus. Barnes GR, et al. **Exp Brain Res** 1983; 52(1):9–19
Development of spectral mechanisms in the ground squirrel retina following lid opening. Jacobs GH, et al. **Exp Brain Res** 1984;55(3):507–14
Nasotemporal overlap in the human retina investigated by means of simple reaction time to lateralized light flash. Lines CR, et al. **Exp Brain Res** 1983;50(2–3):166–72
Recovery of vision in fish after optic nerve crush: a behavioral and electrophysiological study. Northmore DP, et al. **Exp Neurol** 1984 Apr;84(1):109–25
Ocular dominance of cortical cells in cats dark–reared into maturity after short postnatal monocular deprivation. Yinon U, et al. **Exp Neurol** 1984 Sep;85(3):461–8
Blue field entoptoscopy. Abraham MN. **Indian J Ophthalmol** 1983 May;31(3):108–11
Blinks, negative flashes, and visual responses. Armington JC, et al. **Int J Neurosci** 1984 Aug;23(4):317–29
Spatial adaptation of the cortical visual evoked potential of the cat. Bonds AB. **Invest Ophthalmol Vis Sci** 1984 Jun; 25(6):640–6
Absolute thresholds in human infants exposed to continuous illumination. Hamer RD, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):381–8
Contrast sensitivity loss in multiple sclerosis. Selectivity by eye, orientation, and spatial frequency measured with the evoked potential. Kupersmith MJ, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):632–9
The permanence of the visual recovery that follows reverse occlusion of monocularly deprived kittens. Mitchell DE, et al. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):908–17
The assessment of evoked potential contrast thresholds using real–time retrieval. Seiple WH, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):627–31
The resistance of selected hyperacuity configurations to retinal image degradation. Williams RA, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):389–99
An operational approach to information processing strategies. Forrest EB. **J Am Optom Assoc** 1984 Feb;55(2):103–7
The blue field entoptic test with normal patients. Potter JW, et al. **J Am Optom Assoc** 1983 Dec;54(12):1075–8
Effects of monocular deprivation on geniculocortical synapses in the cat. Tieman SB. **J Comp Neurol** 1984 Jan 10;222(2):166–76
Linear and nonlinear components of human electroretinogram. Baker CL Jr, et al. **J Neurophysiol** 1984 May;51(5):952–67
Sensory, interneuronal, and motor interactions within Hermissenda visual pathway. Goh Y, et al. **J Neurophysiol** 1984 Jul;52(1):156–69
Quantitative features of synapse formation in the fly's visual system. I. The presynaptic photoreceptor terminal. Fröhlich A, et al. **J Neurosci** 1983 Nov;3(11):2336–49
Improvements in visual performance following a pulsed field of light: a test of the equivalent–background principle. Bowen RW, et al. **J Opt Soc Am** 1983 Nov;73(11):1551–6
Effects of high–contrast peripheral patterns on the detection threshold of sinusoidal targets. Ejima Y, et al. **J Opt Soc Am** 1983 Dec;73(12):1695–700
Light distribution on the retina of a wide–angle theoretical eye. Kooijman AC. **J Opt Soc Am** 1983 Nov;73(11):1544–50
Increment thresholds with various low background intensities at different locations in the peripheral retina. Lelkens AM, et al. **J Opt Soc Am** 1983 Oct;73(10):1372–8
Influence of intraocular scattered light on lightness–scaling experiments. Stiehl WA, et al. **J Opt Soc Am** 1983 Sep; 73(9):1143–8
Role of local adaptation in the fading of stabilized images. Burbeck CA, et al. **J Opt Soc Am [A]** 1984 Feb;1(2):216–20
Effects of the Seidel aberrations on visual target discrimination. Burton GJ, et al. **J Opt Soc Am [A]** 1984 Apr;1(4):373–85
Simultaneous masking between two sinusoidal gratings measured in terms of temporal sensitivity. Nagano T. **J Opt Soc Am [A]** 1984 Feb;1(2):221–5
Figure–ground segregation by motion contrast and by luminance contrast. Regan D, et al. **J Opt Soc Am [A]** 1984 May;1(5):433–42

Modified line-element theory for spatial-frequency and width discrimination. Wilson HR, et al.
J Opt Soc Am [A] 1984 Jan;1(1):124–31

Mesopic luminous-efficiency functions for various adapting levels. Yaguchi H, et al. **J Opt Soc Am [A]** 1984 Jan; 1(1):120–3

Delayed visual maturation [editorial] **Lancet** 1984 May 26; 1(8387):1158–9

An old illusion and a new theory of stereoscopic depth perception [news] Frisby JP. **Nature** 1984 Feb 16–22; 307(5952):592–3

Sensitivity for vertical retinal image differences. Westheimer G. **Nature** 1984 Feb 16–22;307(5952):632–4

Head and body space to left and right, front and rear—II. Visuotactual and kinesthetic studies and left-side underestimation. Bradshaw JL, et al. **Neuropsychologia** 1983;21(5):475–86

The importance of movement to the developing visual system. Kennedy H, et al. **Ophthalmic Physiol Opt** 1984; 4(1):67–71

Ocular and extraocular processing of visual information. Dedicated to Prof. Dr. E. Dodt in honour of his 60th birthday. Proceedings of an international symposium held in Schloss Rauisch-Holzhausen, March 24–27, 1983. **Ophthalmic Res** 1984;16(1–2):1–128

Studies on visual transduction in the retinal rods of the frog. Baumann C. **Ophthalmic Res** 1984;16(1–2):8–14

Amacrine cells in scotopic vision. Nelson R, et al. **Ophthalmic Res** 1984;16(1–2):21–6

Modulation sensitivity and functional organization of the receptive field of ganglion cells in the pigeon (Columba livia). Pak MA. **Ophthalmic Res** 1984;16(1–2):85–7

Cone response latency and log sensitivity: proportional changes with light adaptation. Drum B. **Vision Res** 1984; 24(4):323–31

Towards an understanding of the role of dopamine in the mammalian retina. Jensen RJ, et al. **Vision Res** 1983; 23(11):1293–8

Binocular contrast summation—II. Quadratic summation. Legge GE. **Vision Res** 1984;24(4):385–94

Binocular contrast summation—I. Detection and discrimination. Legge GE. **Vision Res** 1984;24(4):373–83

Reaction time measurement of receptive field properties in the human fovea. Wilson A. **Vision Res** 1984;24(4):289–92

[Measurement of equivalent veiling luminance in ophthalmology. I. Introduction] Verriest G, et al.
Bull Soc Belge Ophtalmol 1982;201:127–42 (Eng. Abstr.) **(Fre)**

[Synergy of vision and extraocular proprioception in the mechanisms of functional plasticity of the primary visual cortex in the kitten] Trotter Y, et al.
C R Seances Acad Sci [III] 1983;296(14):665–8 (Eng. Abstr.) **(Fre)**

[Functional organization of the mammalian retina—physiological and pathophysiologic aspects] Grüsser OJ. **Fortschr Ophthalmol** 1983;80(6):502–15 (45 ref.) (Eng. Abstr.) **(Ger)**

[Phosphenes in the hemianopic field] Kölmel HW.
Fortschr Ophthalmol 1983;80(2):111–2 (Eng. Abstr.) **(Ger)**

[Contrast sensitivity as an indicator of early optic nerve involvement in endocrine orbitopathy?] Lorenz B, et al.
Fortschr Ophthalmol 1983;80(2):108–10 (Eng. Abstr.) **(Ger)**

[Performance measurements of the visual system] Pittke EC.
Fortschr Ophthalmol 1983;80(2):113–6 (Eng. Abstr.) **(Ger)**

[Clinical investigation on congenital primary open-angle glaucoma. Part 2. Follow-up studies on the treatment and visual function] Imai A. **Nippon Ganka Gakkai Zasshi** 1983; 87(9):650–60 (Eng. Abstr.) **(Jpn)**

[Visual prognosis of retinitis pigmentosa] Sakaguchi E.
Nippon Ganka Gakkai Zasshi 1984 Jun;88(6):983–90 (Eng. Abstr.) **(Jpn)**

[Characteristics of contralateral suppression along the vertical meridian] Fukuda H. **Shinrigaku Kenkyu** 1983 Apr; 54(1):50–3 (Eng. Abstr.) **(Jpn)**

[Theoretical considerations on the physiology of vision] Kotania W, et al. **Klin Oczna** 1984 Apr;86(4):177–9 (Eng. Abstr.) **(Pol)**

[Commissural mechanisms of restoring visual functions] Rybitskil VN, et al. **Biull Eksp Biol Med** 1984 May; 97(5):549–51 (Eng. Abstr.) **(Rus)**

[Evaluation of the visual work capacity of students in secondary schools with an integrated lighting system] Sharova MA, et al. **Gig Sanit** 1983 Nov;(11):35–8 (Eng. Abstr.) **(Rus)**

[Efficiency and fatigue in a color-decorated environment] Beliaeva NM, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):18–21 (Eng. Abstr.) **(Rus)**

[Effect of laser therapy on visual function in primary open-angle glaucoma] Kazakova EL, et al.
Vestn Oftalmol 1983 Jul-Aug;(4):10–3 (Eng. Abstr.) **(Rus)**

[Dynamic refraction in binocular vision] Shapovalov SL, et al. **Vestn Oftalmol** 1983 Nov-Dec;(6):48–51 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Glare from outdoor high mast lighting: effects on visual acuity and contrast sensitivity in comparative studies of different floodlighting systems. Carlsson L, et al.
Acta Ophthalmol [Suppl] (Copenh) 1984;161:84–93

Changes in absolute threshold with light-induced retinal damage. Henton WW, et al. **Physiol Behav** 1983 Aug; 31(2):179–85

VISION DISORDERS

Occupational ophthalmology and ergonomics of vision. Proceedings of an Ergophthalmology Symposium. Tampere, Finland, August 6–7, 1983.
Acta Ophthalmol [Suppl] (Copenh) 1984;161:1–160

Vision disorders in public health. Kleinstein RN.
Annu Rev Public Health 1984;5:369–84 (56 ref.)

Proceedings of the 41st annual conference of All India Ophthalmological Society. Calcutta.
Indian J Ophthalmol 1983 May;31(3):105–311

ARVO 1984. The Association for Research in Vision and Ophthalmology. Annual spring meeting, Sarasota, Florida, April 30–May 4, 1984. Abstracts.
Invest Ophthalmol Vis Sci 1984 Mar;25(3 Suppl):1–355

The physician's duty to warn: a new twist. Tennenhouse DJ.
Surv Ophthalmol 1984 Jan-Feb;28(4):339–41

CHEMICALLY INDUCED

Clinical observations on ten cases of methanol poisoning with particular reference to ocular manifestations. Ingemansson SO. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):15–24

Extracardiac adverse effects of flecainide. Gentzkow GD, et al. **Am J Cardiol** 1984 Feb 27;53(5):101B–105B

Quinidine keratopathy. Zaidman GW. **Am J Ophthalmol** 1984 Feb;97(2):247–9

Management of quinine toxicity. Dickinson P, et al.
Aust J Ophthalmol 1983 Nov;11(4):265–9

Visual loss in patient on high-dose subcutaneous desferrioxamine [letter] Borgna-Pignatti C, et al. **Lancet** 1984 Mar 24;1(8378):681

Neurotoxic actions of methylmercury on the primate visual system. Merigan WH, et al. **Neurobehav Toxicol Teratol** 1983 Nov-Dec;5(6):649–58

[Persistence of the neurologic risk of clioquinol (letter)] Devoize JL, et al. **Presse Med** 1983 Nov 12;12(40):2532 **(Fre)**

[Color perception disorders in therapeutic glycoside serum concentrations] Duncker G, et al. **Fortschr Med** 1983 Nov 17;101(43):1970–3 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Classification criterion for success in the treatment of convergence insufficiency. Daum KM.
Am J Optom Physiol Opt 1984 Jan;61(1):10–5

COMPLICATIONS

Ocular findings among mentally retarded children in Finland. Tuppurainen K. **Acta Ophthalmol (Copenh)** 1983 Aug; 61(4):634–44

The etiopathogenesis of degenerative myopia.
Balacco-Gabrieli C. **Ann Ophthalmol** 1983 Apr;15(4):312–4

Visual testing with 'preferential looking' in mentally retarded children. Lennerstrand G, et al. **Behav Brain Res** 1983 Oct; 10(1):199–202

Preferential looking acuity of pediatric patients with developmental disabilities. Mayer DL, et al.
Behav Brain Res 1983 Oct;10(1):189–97

Optokinetic and spontaneous nystagmus in children with neurological disorders. Van Hof-van Duin J, et al.
Behav Brain Res 1983 Oct;10(1):163–75

Discrediting the basis of the AAO policy. Learning disabilities, dyslexia, and vision. Flax N, et al.
J Am Optom Assoc 1984 Jun;55(6):399–403

Progressive visual loss, diabetes mellitus, and associated abnormalities (DIDMOAD syndrome). Kocher GA, et al.
J Clin Neuro Ophthalmol 1982 Dec;2(4):241–4

Visual agnosia without alexia. Gomori AJ, et al.
Neurology (NY) 1984 Jul;34(7):947–50

A case of amenorrhea and decreased vision. Brosco F, et al. **RI Med J** 1984 May;67(5):241–2

DIAGNOSIS

Risk of retinal tears in patients with vitreous floaters. Boldrey EE. **Am J Ophthalmol** 1983 Dec;96(6):783–7

Glare disability in eyes with intraocular lenses. Nadler DJ, et al. **Am J Ophthalmol** 1984 Jan;97(1):43–7

Congruous and incongruous sectoral visual field defects with lesions of the lateral geniculate nucleus. Shacklett DE, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):283–90

Incidence of oculo-visual anomalies in an adult population of mentally retarded persons. Levy B.
Am J Optom Physiol Opt 1984 May;61(5):324–6

Cortical indices of impaired ocular accommodation and associated convergence mechanisms. Lovasik JV, et al.
Am J Optom Physiol Opt 1984 Mar;61(3):150–9

Optometric findings in children with cerebral palsy. Scheiman MM. **Am J Optom Physiol Opt** 1984 May; 61(5):321–3

A review of ocular malingering and hysteria for the flight surgeon. Hesterberg RC Jr, et al.
Aviat Space Environ Med 1983 Oct;54(10):934–6

Clinical applications of preferential looking measures of visual acuity. Dobson V. **Behav Brain Res** 1983 Oct; 10(1):25–38

Psychophysical assessment of visual acuity in infants with visual disorders. Mohindra I, et al. **Behav Brain Res** 1983 Oct;10(1):51–8

Identification of glaucomatous visual field defects from examination of monocular photographs of the optic disc. Hitchings RA, et al. **Br J Ophthalmol** 1983 Dec; 67(12):822–5

Loss of vision. Jamieson M. **Br Med J [Clin Res]** 1984 May 19;288(6429):1523–6

Decrease of visual acuity in patients with clear media and normal fundi. Objective screening methods for differentiation and documentation. Gruber H.
Doc Ophthalmol 1984 Feb 29;56(4):327–35

Photostress test. Lavingia B. **Indian J Ophthalmol** 1983 May; 31(3):183

Assessment of macular function in anterior segment surgery (diagnostic tests with opaque media). Raju VK, et al.
Indian J Ophthalmol 1983 May;31(3):112–4

Colpocephaly [letter] Montagna P, et al.
Ital J Neurol Sci 1984 Mar;5(1):101–3

The replacement of the chair, stand and phoropter by subjective autorefraction—a candid evaluation. Begun K.
J Am Optom Assoc 1984 Jul;55(7):523–6

A functional interpretation of the visual fields of low vision patients. Jose R, et al. **J Am Optom Assoc** 1983 Oct; 54(10):885–93

Surgical management of suprasellar meningioma. Part 2: Prognosis for visual function following craniotomy. Rosenstein J, et al. **J Neurosurg** 1984 Oct;61(4):642–8

Visual problems in children: detection and referral. Johnson AM. **J R Coll Gen Pract** 1984 Jan;34(258):32–5

The school nurse's role in vision screening for the difficult-to-test student. Johnson JL, et al.
J Sch Health 1983 Aug;53(6):345–50

Functional signs [editorial] **Lancet** 1983 Oct 15;2(8355):891–2

VDUs and bank clerks [letter] Pittar G. **Med J Aust** 1984 Jul 21;141(2):135–6

Tunnel vision [letter] Ellenberger C Jr. **Neurology (NY)** 1984 Jan;34(1):129

Vision and eye problems in seven year olds: a report from the Dunedin Multidisciplinary Health and Development Research Unit. Simpson A, et al. **NZ Med J** 1984 Jul 11; 97(759):445–9

The use of the Friedmann central field analyser in general optometric practice. Pitman CR.
Ophthalmic Physiol Opt 1983;3(2):153–66

American Academy of Pediatrics. Committee on Children with Disabilities of the AAP, and Ad Hoc Working Group of the American Association for Pediatric Ophthalmology and Strabismus and American Academy of Ophthalmology. Learning disabilities, dyslexia, and vision. **Pediatrics** 1984 Jul;74(1):150–1

The use of electroretinograms (ERG) in diagnosing retinitis pigmentosa and related visual disorders. Somers M, et al.
RI Med J 1984 May;67(5):227–32

Children with sensory defects in school. Fraser B, et al.
Spec Educ Forward Trends 1983 Dec;10(4):37–41

Cost-benefit analysis in screening. Unexplained visual loss. Trobe JD, et al. **Surv Ophthalmol** 1983 Nov-Dec; 28(3):189–93

[Work capacity evaluation problems in ophthalmology] Jeřábek J. **Cesk Oftalmol** 1984 Jan;40(1):3–5 **(Cze)**

[Problems in disability evaluation of visually handicapped children and adolescents] Rodný S, et al.
Cesk Oftalmol 1984 Jan;40(1):29–32 (Eng. Abstr.) **(Cze)**

[Vision care outside hospitals. Selected aspects] Nielsen CE, et al. **Ugeskr Laeger** 1983 Aug 1;145(31):2402–4 (Eng. Abstr.) **(Dan)**

[A system for measuring cyclophoria] Sradj N.
Bull Mem Soc Fr Ophtalmol 1983;95:481–3 **(Fre)**

[Place of VEP's and ERG in neonatal encephalopathies and impaired visual maturation in the infant and young child] Laget P, et al.
Rev Electroencephalogr Neurophysiol Clin 1984 Jun; 14(1):45–51 (Eng. Abstr.) **(Fre)**

[Palinopsia (visual preservation) and cerebral polyopia—clinical analysis and computed tomographic findings] Kömpf D, et al. **Fortschr Neurol Psychiatr** 1983 Aug;51(8):270–81 (Eng. Abstr.) **(Ger)**

[Electrophysiologic studies of the visual system] Kolder HE.
Fortschr Ophthalmol 1983;80(5):384–6 (Eng. Abstr.) **(Ger)**

[Special ophthalmologic dispensaries for school children with combined hearing and vision damage—report on 6 years' experience] Richter S, et al. **Z Arztl Fortbild (Jena)** 1983; 77(22):935–7 **(Ger)**

[Methods of diagnosing disorders of binocular vision in vertical strabismus] Kliuka IV, et al. **Oftalmol Zh** 1983; (7):439–41 **(Rus)**

[New photographic method of studying the nature of natural bifixation in free space] Kolomiets VA. **Oftalmol Zh** 1983; 38(5):276–8 (Eng. Abstr.) **(Rus)**

[Preliminary method of studying field of vision] Sergienko NM. **Oftalmol Zh** 1983;(8):499–500 **(Rus)**

[Ophthalmologic observations on work capacity evaluation in the assessment of recruits] Mezey J, et al.
Cesk Oftalmol 1984 Jan;40(1):24–8 (Eng. Abstr.) **(Slo)**

[Problems in the evaluation of ophthalmologic criteria of altered work capacity of adolescents] Urminská M, et al.
Cesk Oftalmol 1984 Jan;40(1):33–7 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Intrathecal steroid therapy for post-traumatic visual

disturbance. Sugita K, et al. **Neurochirurgia (Stuttg)** 1983 Jul;26(4):112–7

ETIOLOGY

Acute bilateral visual impairment in a drug addict. A case report. Jensen JE, et al. **Acta Ophthalmol (Copenh)** 1984 Feb;62(1):10–4

Current research in ergophthalmology. X International Ergophthalmological Symposium, Tampere, Finland, May 25–28, 1984. Abstracts. **Acta Ophthalmol [Suppl] (Copenh)** 1984;164:1–45

For visually impaired diabetics. Herget M. **Am J Nurs** 1983 Nov;83(11):1557–60

Acute monocular visual loss secondary to anterior communicating artery aneurysm in a patient with sickle cell disease. Caprioli J, et al. **Ann Ophthalmol** 1983 Sep; 15(9):873–6

Visual disturbance due to internal carotid aneurysm. Takahashi T, et al. **Ann Ophthalmol** 1983 Nov; 15(11):1014–5, 1017–24

Monocular polyopia. Hirst LW, et al. **Arch Neurol** 1983 Nov; 40(12):756–7

Mechanisms of visual loss in corneal edema. Carney LG, et al. **Arch Ophthalmol** 1984 Jul;102(7):1068–71

Another look at long–term visual effects of binocular occlusion in neonates [letter] Glass P. **Arch Ophthalmol** 1984 Jul;102(7):968–70

Reversible visual loss in pseudotumor cerebri. Gutgold–Glen H, et al. **Arch Ophthalmol** 1984 Mar;102(3):403–6

Episodic vertical oscillopsia and downbeat nystagmus in a Chiari malformation. Yee RD, et al. **Arch Ophthalmol** 1984 May;102(5):723–5

The ophthalmological significance of the basal cell naevus syndrome. Rogers PA. **Aust J Ophthalmol** 1983 Nov; 11(4):275–9

Visual field defects and reduced visual acuity during pregnancy in two patients with prolactinoma: rapid regression of symptoms under bromocriptine. Case reports. Crosignani P, et al. **Br J Obstet Gynaecol** 1984 Aug; 91(8):821–3

The visual system in myelin disorders. **Bull Soc Belge Ophtalmol** 1983 Nov;208:1–518

Balint's syndrome in a man with border–zone infarcts caused by atrial fibrillation. Hijdra A, et al. **Clin Neurol Neurosurg** 1984;86(1):51–4

Permanent inferior binasal quadrantanopsia in pseudotumor cerebri. Nichelli P, et al. **Ital J Neurol Sci** 1983 Jun; 4(2):221–4

Binasal quadrantanopsia in pseudotumor cerebri [letter] Sancesario G, et al. **Ital J Neurol Sci** 1983 Dec;4(4):513

Five cases of severe anterior chamber lens implant complications. Maynor RC Jr. **J Am Intraocul Implant Soc** 1984 Spring;10(2):223–4

Report and management of the sunrise syndrome. Smith SG, et al. **J Am Intraocul Implant Soc** 1984 Spring;10(2):218–20

Internal carotid artery disease. Bourgeois JA, et al. **J Am Optom Assoc** 1984 Jul;55(7):511–7

Vision symptoms with asteroid bodies in the vitreous. Potter JW, et al. **J Am Optom Assoc** 1984 Jun;55(6):419–22

Bilateral Toxocara optic neuropathy. Cox TA, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):267–74

Ischemic optic neuropathy following general surgical procedures. Jaben SL, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):239–44

Optic neuropathy and cerebral sarcoidosis. Slavin ML, et al. **J Clin Neuro Ophthalmol** 1983 Dec;3(4):259–62

Managing menacing meningioma. Smith JL, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):169–79

Ocular problems in mountaineering. Ghosh A, et al. **J Indian Med Assoc** 1983 Apr;80(7–8):98–100

Graves' disease presenting with bilateral acute painful proptosis, ptosis, ophthalmoplegia, and visual loss. Leonard TJ, et al. **Lancet** 1984 Aug 25;2(8400):431–3

Hyperprolactinaemia: two cases [letter] Gorman RF. **Med J Aust** 1984 Jun 9;140(12):745–6

Late reporting of sudden vision loss. Matchar DB, et al. **NC Med J** 1984 Apr;45(4):211–2

Major early complications of laser trabeculoplasty. Levene R. **Ophthalmic Surg** 1983 Nov;14(11):947–53

Clinical significance of transient visual phenomena in the elderly. Cohen GR, et al. **Ophthalmology** 1984 May; 91(5):436–42

Visual results following cobalt plaque radiotherapy for posterior uveal melanomas. Cruess AF, et al. **Ophthalmology** 1984 Feb;91(2):131–6

Posttraumatic frontal and frontoethmoid mucoceles causing reversible visual loss. Larson CH, et al. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):691–4

Ocular injuries in Africa. Adala HS. **Soc Sci Med** 1983; 17(22):1729–35

Visual disability and blindness secondary to refractive errors in Africa. Schwab L, et al. **Soc Sci Med** 1983;17(22):1751–4

The terminology of transient visual loss due to vascular insufficiency. Hedges TR. **Stroke** 1984 Sep–Oct;15(5):907–8

Natural course of nonaphakic cystoid macular edema. Coscas G, et al. **Surv Ophthalmol** 1984 May;28 Suppl:471–84

Kinetic visual disturbances with contact lenses. Keeney AH, et al. **Surv Ophthalmol** 1983 Sep–Oct;28(2):112–6

Recovery of vision following treatment of pituitary tumours: application of a new system of visual assessment. Findlay G, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 2):212–6

Visual field defects in medico–legal cases. Gale D. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):347–50

The empty sella syndrome. A review of 14 cases. McFadzean RM. **Trans Ophthalmol Soc UK** 1983;103 (Pt 5):537–42

[The effect of congenital toxoplasmosis on the visual apparatus in children] Medková L, et al. **Cesk Oftalmol** 1983 Sep;39(5):338–43 (Eng. Abstr.) **(Cze)**

[Involvement of the visual pathway in a giant aneurysm] Neetens A, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:261–7 **(Fre)**

[Visual function disorders after operation for retinal detachment] Combarre–Poutchinian Y, et al. **Bull Soc Belge Ophtalmol** 1983;204–205:121–33 (Eng. Abstr.) **(Fre)**

[Neurosensory changes following ocular contusion with an intraocular foreign body] Delplace MP, et al. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):845–50 (Eng. Abstr.) **(Fre)**

[The anterior choroidal artery syndrome (letter)] Lhermitte F. **Rev Neurol (Paris)** 1984;140(2):154–5 **(Fre)**

[Rare form of pendular nystagmus: circumduction nystagmus. Apropos of 1 case] Poullot B, et al. **Rev Otoneuroophtalmol** 1983 May–Jun;55(3):271–7 (Eng. Abstr.) **(Fre)**

[Ophthalmological findings after blunt craniocerebral injuries] Andrée G, et al. **Fortschr Ophthalmol** 1983; 80(3):179–81 (Eng. Abstr.) **(Ger)**

[The eye as a brain model] Stefani FH. **Fortschr Ophthalmol** 1983;80(5):366–8 **(Ger)**

[Visual field defect and angiographic and tomodensitometric findings: observations in a case of ischemic softening in the territory of the posterior cerebral artery] Mamoli A, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):539–45 (Eng. Abstr.) **(Ita)**

[Evaluations of vision recovery after removal of pituitary adenomas via the transsphenoidal approach] Scarda G, et al. **Riv Neurol** 1983 May–Jun;53(3):200–11 (Eng. Abstr.) **(Ita)**

[Incidence and ophthalmological problems of retinoblastoma students learning in schools] Kaneko A, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):162–6 (Eng. Abstr.) **(Jpn)**

[Transient monocular blindness attack in a young adult male] Sakuma H, et al. **Rinsho Shinkeigaku** 1984 Mar;24(3):289–92 (Eng. Abstr.) **(Jpn)**

[Causes of decreased visual acuity in patients with diabetes mellitus] Krzystolikowa Z, et al. **Klin Oczna** 1983 Apr; 85(4):149–51 (Eng. Abstr.) **(Pol)**

[Ocular disorders caused by smoking] Bogdan MM. **Rev Chir [Oftalmol]** 1983 Apr–Jun;27(2):117–9 (Eng. Abstr.) **(Rum)**

[Arteriography in a case of aortic arch syndrome (Takayasu syndrome) with 'minor' ocular manifestations] Bozac M, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):147–51 (Eng. Abstr.) **(Rum)**

[Posterior fossa syndrome in Hand–Schüller–Christian disease (letter)] Pascual ML, et al. **Med Clin (Barc)** 1984 May 19;82(19):863 **(Spa)**

FAMILIAL & GENETIC

Behr's syndrome. A family exhibiting pseudodominant inheritance. Thomas PK, et al. **J Neurol Sci** 1984 May; 64(2):137–48

HISTORY

David, Goliath, et al. [letter] **N Engl J Med** 1984 Mar 22; 310(12):790

OCCURRENCE

Large–sample norms for contrast sensitivity. Ginsburg AP, et al. **Am J Optom Physiol Opt** 1984 Feb;61(2):80–4

Assessment and prediction of visual acuity in 3– to 4–year–old children born prior to term. Sebris SL, et al. **Hum Neurobiol** 1984;3(2):87–92

Incidence and types of visual handicap in school age children in the Federal Republic of Germany: first results of a survey of 24 000 students. Drave W, et al. **Int J Rehabil Res** 1983 Dec;6(4):500–3

The NYSOA vision screening battery—a total approach. Cohen AH, et al. **J Am Optom Assoc** 1983 Nov; 54(11):979–84

AOA Sports Vision Section screening of basketball officials. Harris PA, et al. **J Am Optom Assoc** 1984 Feb;55(2):130–4, 141

Epidemiological study on visual acuity in four regions of Ethiopia. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):131–46, 163–8 **(Eng, Fre)**

[Vision screening of 7 to 11 year–old children in special schools] Nawratzki I, et al. **Harefuah** 1983 Nov 15; 105(10):326–7 (Eng. Abstr.) **(Heb)**

[Visual fatigue during work associated with increased visual loading] Koicheva V, et al. **Probl Khig** 1983;8:21–7 (Eng. Abstr.) **(Rus)**

[Problems in work capacity evaluation of ophthalmologic diseases in recruits] Némethová L, et al. **Cesk Oftalmol** 1984 Jan;40(1):18–23 (Eng. Abstr.) **(Slo)**

[Vision disorders in the municipality of Naucalpan] Baz Iglesias R, et al. **Salud Publica Mex** 1984 Jan–Feb; 26(1):17–25 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Retinal–image degradation produces ocular enlargement in chicks. Hodos W, et al. **Invest Ophthalmol Vis Sci** 1984 Jun;25(6):652–9

PHYSIOPATHOLOGY

Delayed visual maturation. Cole GF, et al. **Arch Dis Child** 1984 Feb;59(2):107–10

A comparative study of visual field defects seen in patients with low–tension glaucoma and chronic simple glaucoma. Hitchings RA, et al. **Br J Ophthalmol** 1983 Dec; 67(12):818–21

Visual processing deficits as assessed by spatial frequency contrast sensitivity and backward masking in normal ageing and Alzheimer's disease. Schlotterer G, et al. **Brain** 1984 Mar;107 (Pt 1):309–25

Diabetic ketoacidosis caused by functional blindness [letter] Manishen WJ. **Can Med Assoc J** 1983 Oct 1;129(7):682–3

Delayed visual maturation [editorial] **Lancet** 1984 May 26; 1(8387):1158–9

Visual mechanisms for the analysis of spatial pattern. Ruddock KH. **Ophthalmic Physiol Opt** 1983;3(2):93–119

Behavioral studies on the effect of abnormal early visual experience in monkeys: spatial modulation sensitivity. Harwerth RS, et al. **Vision Res** 1983;23(12):1501–10

Behavioral studies on the effect of abnormal early visual experience in monkeys: temporal modulation sensitivity. Harwerth RS, et al. **Vision Res** 1983;23(12):1511–7

[Measurement of equivalent veiling luminance in ophthalmology. I. Introduction] Verriest G, et al. **Bull Soc Belge Ophtalmol** 1982;201:127–42 (Eng. Abstr.) **(Fre)**

[Quantitative analysis of visual field deficits] Lavergne G. **J Fr Ophtalmol** 1983;6(11):933–9 **(Fre)**

[Stereoscopic vision in reduced visual acuity] Roggenkämper P. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):105–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Vision screening and the private practitioner—a status report. Harwood L. **Am J Optom Physiol Opt** 1984 Jun;61(6):364–6

A public health perspective on vision screening. Myrowitz E. **Am J Optom Physiol Opt** 1984 Jun;61(6):359–60

Symposium on optometry's obligation in vision screening. Opening remarks. Nussenblatt H. **Am J Optom Physiol Opt** 1984 Jun;61(6):357–8

The Orinda Study. Peters HB. **Am J Optom Physiol Opt** 1984 Jun;61(6):361–3

Vision screening of specialized populations. Verma S. **Am J Optom Physiol Opt** 1984 Jun;61(6):367–70

Optometric responsibility in patient education. Jacobs SE. **J Am Optom Assoc** 1984 Jun;55(6):437–44

Visual screening via television. Flocks M. **Surv Ophthalmol** 1983 Nov–Dec;28(3):184–7

Screening for visual field abnormalities with automated perimetry. Keltner JL, et al. **Surv Ophthalmol** 1983 Nov–Dec;28(3):175–83

[Importance of early skiascopy in the prevention of sensory motor disorders – preliminary study of 143 children from 8 to 13 months] Clergeau G. **Bull Soc Ophtalmol Fr** 1983 Jun–Jul;83(6–7):869–74 (Eng. Abstr.) **(Fre)**

[Evaluation of visual intensity while working with a graph–projector and measures to increase student work capacity] Silich NM, et al. **Gig Sanit** 1984 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

[Responsibility for eyesight protection in children—a concern of the pediatric service] Kovalevskiĭ EI, et al. **Pediatriia** 1984 Mar;(3):3–7 **(Rus)**

PSYCHOLOGY

Eye–pressing by visually impaired children. Jan JE, et al. **Dev Med Child Neurol** 1983 Dec;25(6):755–62

[Gnostic disturbances in the visual system] Hippius H, et al. **Fortschr Ophthalmol** 1983;80(3):202–6 (Eng. Abstr.) **(Ger)**

[Psychogenic vision disorders: a case report with psychosomatic findings] Müller P, et al. **Z Psychosom Med Psychoanal** 1984;30(2):164–78 (Eng. Abstr.) **(Ger)**

REHABILITATION

Teaching severely handicapped adolescents to follow instructions conveyed by means of three–dimensional stimulus configurations. Lancioni GE, et al. **Appl Res Ment Retard** 1984;5(1):107–23

Negative–lens field expander for patients with concentric field constriction. Kozlowski JM, et al. **Arch Ophthalmol** 1984 Aug;102(8):1182–4

Bioptic telescopic spectacle: a hazard for operating a motor vehicle [letter] Tallman CB. **Arch Ophthalmol** 1984 Aug; 102(8):1119–20

Microcomputer–based communication augmentation systems for two nonspeaking, physically handicapped persons with severe visual impairment. Beukelman DR, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):89–91

Teaching visually disabled. Lamba PA, et al. **Indian J Ophthalmol** 1983 Sep;31(5):683–8

Visual rehabilitation. Silver J. **Int Rehabil Med** 1983; 5(3):139–40

VICTORS: a model for the provision of low vision services

to the partially sighted veteran. Carty RE, et al. **J Am Optom Assoc** 1983 Oct;54(10):879–83
Part II. VICTORS: a model for the provision of low vision services to the partially sighted veteran. Maino JH, et al. **J Am Optom Assoc** 1983 Nov;54(11):991–3
Federal low vision services reimbursement mechanisms. Padula WV, et al. **J Am Optom Assoc** 1983 Oct; 54(10):901–3
Response of limited residual vision patients to working conditions with varied light and color combinations. Richterman H, et al. **J Am Optom Assoc** 1983 Oct; 54(10):895–9
A computer program to assist persons with physical or visual impairments in notetaking. Evans RL, et al. **Rehabil Lit** 1983 Nov–Dec;44(11–12):331
Problem of the use of residual vision by visually impaired disabled persons. Guberina P. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):187–94
[The functionally one-eyed professional driver] Maag F, et al. **Praxis** 1983 Oct 18;72(42):1333–7 (Eng. Abstr.) **(Ger)**
[Problems of supplying special corrective aids for outpatients with decreased vision] Usik VA, et al. **Med Tekh** 1983 Jul–Aug;(4):37–42 (Eng. Abstr.) **(Rus)**
[Optimizing the vocational activity of the visually handicapped in the manufacture of electrotechnical products from phenoplasts in enterprises of the Ukrainian Work Association of the Blind] Ferfil'fain IL, et al. **Oftalmol Zh** 1984;(2):117–8 **(Rus)**

SURGERY

Laser checks vision loss in histoplasmosis. **AORN J** 1984 Feb;39(2):258
The recurrence of neovascularization and late visual failure in senile disciform lesions. Chisholm IH. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):354–9

THERAPY

Effect of monocular occlusion on lateral phoria. Bross M. **Am J Optom Physiol Opt** 1984 Jan;61(1):31–3
Convergence insufficiency. Daum KM. **Am J Optom Physiol Opt** 1984 Jan;61(1):16–22
Eye pathology and low vision aids. Fonda G. **Ann Ophthalmol** 1984 May;16(5):438–42
The emerging field of visual rehabilitation. **Int Rehabil Med** 1983;5(3):105
Recent advances in clinical low-vision care. Bailey IL. **Int Rehabil Med** 1983;5(3):106–10 (60 ref.)
The power of visual training. Birnbaum MH. **J Am Optom Assoc** 1984 Apr;55(4):257–60
Providing for continuity of care: the referral process. Buffum VJ. **J Am Optom Assoc** 1984 Jul;55(7):519–22
The low vision aphakic patient. Cole RG. **J Am Optom Assoc** 1983 Aug;54(8):735–9
Ethical issues in optometric practice. Erde E, et al. **J Am Optom Assoc** 1984 Jul;55(7):533–6
Use of a personal microcomputer for orthoptic therapy. Somers WW, et al. **J Am Optom Assoc** 1984 Apr; 55(4):262–7
Therapeutic temporal artery biopsy [letter] Laibovitz RA. **J Clin Neuro Ophthalmol** 1984 Jun;4(2):141–2
Care of the patient with low vision. Shearin WA. **NC Med J** 1983 Oct;44(10):621–4
Significance of the appearance of the optic disc for predicting visual function following removal of pituitary adenomas. Hajda M, et al. **Neurol Med Chir (Tokyo)** 1983 Jul; 23(7):561–5
Visual problems of the elderly [editorial] **Ophthalmic Physiol Opt** 1984;4(2):113–4

VISION, ENTOPTIC see under **VISION**

VISION TESTS

A comparison of two horopter criteria. Reading RW, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):869–81
Graphic analysis of paralytic strabismus with the Lancaster red–green test. Zee DS, et al. **Am J Ophthalmol** 1984 May; 97(5):587–92
Visual imperception in brain-injured adults: multifaceted measures. Gianutsos R, et al. **Arch Phys Med Rehabil** 1983 Oct;64(10):456–61
Visual test results compared with flying performance in telemetry-tracked aircraft. Kruk R, et al. **Aviat Space Environ Med** 1983 Oct;54(10):906–11
Why do we measure contrast sensitivity? Campbell FW. **Behav Brain Res** 1983 Oct;10(1):87–97
Clinical applications of preferential looking measures of visual acuity. Dobson V. **Behav Brain Res** 1983 Oct; 10(1):25–38
Visual testing with 'preferential looking' in mentally retarded children. Lennerstrand G, et al. **Behav Brain Res** 1983 Oct; 10(1):199–202
A comparison of the Snellen chart and the S-chart for visual acuity assessment in amblyopia. Wick B, et al. **J Am Optom Assoc** 1984 May;55(5):359–61
Configuration color vision tests: the interaction between aging and the complexity of figure-ground segregation. Stanford T, et al. **J Gerontol** 1984 Sep;39(5):568–71
Vision care in New Zealand. Garner LF, et al. **NZ Med J** 1984 Apr 25;97(754):264–7
Three dB-scales for the standardized visuogram [letter] Lundh BL, et al. **Vision Res** 1984;24(8):889–90
[The function of contrast sensitivity in deprivation amblyopia] Kocher L, et al. **J Fr Ophtalmol** 1983; 6(10):843–51 (Eng. Abstr.) **(Fre)**
[Neuro-ophthalmologic control in patients following optic neuritis with inflammatory cerebrospinal fluid changes] Behrens-Baumann W, et al. **Fortschr Ophthalmol** 1983; 80(5):371–3 (Eng. Abstr.) **(Ger)**
[Photo-stress test—standardizing the parameters] Makabe R. **Fortschr Ophthalmol** 1984;81(2):191–2 (Eng. Abstr.) **(Ger)**
[Video display unit workplaces: costs and cost reduction in suitability and monitoring studies] Kühnel R, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1983 Oct;33(10):306–14 (Eng. Abstr.) **(Ger)**
[Vision screening of infants in mother and child health care centers] Tamir D, et al. **Harefuah** 1983 Nov 1;105(9):277–8 (Eng. Abstr.) **(Heb)**
[The importance of ophthalmologic examination in the practice of sport medicine] Horváth L, et al. **Orv Hetil** 1984 Mar 11;125(11):649–51 (Eng. Abstr.) **(Hun)**
[Frequency-contrast characteristics and visual acuity in ophthalmologic practice] Volkov VV, et al. **Oftalmol Zh** 1983;38(3):148–51 (Eng. Abstr.) **(Rus)**
[The importance of vision and the health status of the eye in sports and physical education] Pavišić Z. **Lijec Vjesn** 1984 Jun;106(6):264–6 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

Report on the development and utilization of an ocular screening device. Photometric detection of eye diseases in the Huntsville School System 1982–1983. Jackson CD, et al. **Ala Med** 1984 Feb;53(8):8–13
Microcomputer produced anaglyphs for evaluation and therapy of binocular anomalies. Cooper J, et al. **J Am Optom Assoc** 1983 Sep;54(9):785–8
The blue field entoptic test with normal patients. Potter JW, et al. **J Am Optom Assoc** 1983 Dec;54(12):1075–8
A clinical evaluation of the Nidek Autorefractor. Wood IC, et al. **Ophthalmic Physiol Opt** 1984;4(2):169–78
Low-contrast letter charts as a test of visual function. Regan D, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1192–200
[A system for measuring cyclophoria] Sradj N. **Bull Mem Soc Fr Ophtalmol** 1983;95:481–3 **(Fre)**
[Measurement of subjective aniseikonia—comparative study of the results of the haploscope, spacial eikonometer and polatest] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1983 May; 83(5):711–4 (Eng. Abstr.) **(Fre)**
[Portable instrument for diploptics] Silukh VA. **Oftalmol Zh** 1983;38(5):317–8 **(Rus)**

METHODS

Amblyopia screening in kindergartens with tno stereotest. Mølgaard IL, et al. **Acta Ophthalmol (Copenh)** 1984 Feb; 62(1):156–62
Predicting visual resolution from detection thresholds. Adams AJ, et al. **Am J Optom Physiol Opt** 1984 Jun; 61(6):371–6
Use of forced preferential looking for measurement of visual acuity in a population of neurologically impaired children. Duckman RH, et al. **Am J Optom Physiol Opt** 1983 Oct; 60(10):817–21
Large-sample norms for contrast sensitivity. Ginsburg AP, et al. **Am J Optom Physiol Opt** 1984 Feb;61(2):80–4
A new contrast sensitivity vision test chart. Ginsburg AP. **Am J Optom Physiol Opt** 1984 Jun;61(6):403–7
Binocular fixation misalignment measured by border enhancement: a simplified technique. Remole A. **Am J Optom Physiol Opt** 1984 Feb;61(2):118–24
Contrast sensitivity determined with the spatial bandwidth equalization technique: threshold, suprathreshold, and spatiotemporal measurements. Wiley RW, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):221–31
Spatial contrast sensitivity. Importance of controlling the patient's visibility criterion. Higgins KE, et al. **Arch Ophthalmol** 1984 Jul;102(7):1035–41
Psychophysical assessment of visual acuity in infants with visual disorders. Mohindra I, et al. **Behav Brain Res** 1983 Oct;10(1):51–8
Contrast sensitivity testing [letter] Atkin A, et al. **Br J Ophthalmol** 1984 Jan;68(1):63–4
Screening for refractive errors in 6–9 month old infants by photorefraction. Atkinson J, et al. **Br J Ophthalmol** 1984 Feb;68(2):105–12
Visual psychophysical tests in demyelinating disease. Regan D. **Bull Soc Belge Ophtalmol** 1983 Nov;208:303–21
Grating test of contrast sensitivity. Sjöstrand J. **Bull Soc Belge Ophtalmol** 1983 Nov;208:143–9
Decrease of visual acuity in patients with clear media and normal fundi. Objective screening methods for differentiation and documentation. Gruber H. **Doc Ophthalmol** 1984 Feb 29;56(4):327–35
Visual acuity development in tyrosinase negative oculocutaneous albinism. Jacobson SG, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):337–44
Assessment of acuity in human infants using face and grating stimuli. Harris SJ, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):782–6
The NYSOA vision screening battery—a total approach. Cohen AH, et al. **J Am Optom Assoc** 1983 Nov; 54(11):979–84
The dot visual acuity test—a new acuity test for children. Kirschen DG, et al. **J Am Optom Assoc** 1983 Dec; 54(12):1055–9
The validity of the Frisby stereotest as a measure of precise stereoacuity. Rosner J, et al. **J Am Optom Assoc** 1984 Jul; 55(7):505–6
The school nurse's role in vision screening for the difficult-to-test student. Johnson JL, et al. **J Sch Health** 1983 Aug;53(6):345–50
Contrast sensitivity function for vision testing in suspected demyelinating disease [letter] Pace R, et al. **Lancet** 1984 Feb 18;1(8373):405–6
VDUs and bank clerks [letter] Pittar G. **Med J Aust** 1984 Feb 18;140(4):248
Area health authorities and vision screening [letter] Bardiger M. **Ophthalmic Physiol Opt** 1983;3(2):197–9
Binocular balance validity: a comparison of five common subjective techniques. West D, et al. **Ophthalmic Physiol Opt** 1984;4(2):155–9
Visual development in infancy and childhood. Greenwald MJ. **Pediatr Clin North Am** 1983 Dec;30(6):977–93
Ophthalmic examination of infants and children by the pediatrician. Reinecke RD. **Pediatr Clin North Am** 1983 Dec;30(6):995–1002
Three dB-scales for the standardized visuogram [letter] Lundh BL, et al. **Vision Res** 1984;24(8):889–90
The effect of testing method on stereoanomaly. Patterson R, et al. **Vision Res** 1984;24(5):403–8
[Efficacy and speed of plate examination of binocular vision in children] Mawas LJ, et al. **Bull Soc Belge Ophtalmol** 1982;203:9–17 (Eng. Abstr.) **(Fre)**
[Comparative study of various tests of stereoscopic vision (Wirt, TNO, Frisby) in 67 strabismus patients] Dalens H, et al. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):603–6 (Eng. Abstr.) **(Fre)**
[Convergent strabismus and Pulfrich's phenomenon] Godde-Jolly D, et al. **Bull Soc Ophtalmol Fr** 1983 May; 83(5):647–50 (Eng. Abstr.) **(Fre)**
[A new stereotest] Lang J. **Fortschr Ophthalmol** 1983; 80(4):269–70 (Eng. Abstr.) **(Ger)**
[New procedure for the evaluation of ocular astigmatism] Reiner J. **Fortschr Ophthalmol** 1983;80(5):401–3 (Eng. Abstr.) **(Ger)**
[Objective evidence of binocular depth perception using VECP] Teping C, et al. **Fortschr Ophthalmol** 1983; 80(4):267–8 (Eng. Abstr.) **(Ger)**
[A new system of testing visual performance based on the cylindrical lens screen] Doege E, et al. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):224–8 (Eng. Abstr.) **(Ger)**
[Comparative vision tests using objective and subjective testing methods in amblyopia] Stangler-Zuschrott E, et al. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):459–63 (Eng. Abstr.) **(Ger)**
[Experimental measurement of the spatial range of stereopsis with Polaroid filter targets] Matsuda K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):727–9 (Eng. Abstr.) **(Jpn)**
[Usefulness of various binocular vision tests under ambulatory conditions] Puchalska-Niedbałowa L. **Klin Oczna** 1984 Apr;86(4):155–8 (Eng. Abstr.) **(Pol)**
[Method of testing and threshold of depth vision in preschool children with amblyopia and strabismus] Boichuk IM. **Oftalmol Zh** 1983;38(5):273–6 (Eng. Abstr.) **(Rus)**
[New photographic method of studying the nature of natural bifixation in free space] Kolomiets VA. **Oftalmol Zh** 1983; 38(5):276–8 (Eng. Abstr.) **(Rus)**
[Objective method of studying haploscopic fusion capacity] Seniakina AS. **Oftalmol Zh** 1983;38(5):269–73 (Eng. Abstr.) **(Rus)**
[Laser retinometry] Avetisov VE, et al. **Vestn Oftalmol** 1984 Mar–Apr;(2):60–3 **(Rus)**
[Method of spatial-frequency analysis and study of the frequency-contrast characteristics of the normal eye] Makashova NV. **Vestn Oftalmol** 1984 Jul–Aug;(4):70–3 (23 ref.) **(Rus)**

STANDARDS

Symposium on optometry's obligation in vision screening. Opening remarks. Nussenblatt H. **Am J Optom Physiol Opt** 1984 Jun;61(6):357–8
The Orinda Study. Peters HB. **Am J Optom Physiol Opt** 1984 Jun;61(6):361–3
Vision screening of specialized populations. Verma S. **Am J Optom Physiol Opt** 1984 Jun;61(6):367–70
Pretesting of questions in visual acuity surveys [letter] Rubenstein RS, et al. **Am J Public Health** 1983 Nov; 73(11):1331–2
Absolute threshold of stereopsis using the Frisby stereotest. Simmerman JS. **J Am Optom Assoc** 1984 Jan;55(1):50–3
An evaluation of the Arden grating test. Woo GC, et al. **J Am Optom Assoc** 1983 Nov;54(11):985–9
Vision and eye problems in seven year olds: a report from the Dunedin Multidisciplinary Health and Development Research Unit. Simpson A, et al. **NZ Med J** 1984 Jul 11; 97(759):445–9
Visual acuity norms in young children. Simons K. **Surv Ophthalmol** 1983 Sep–Oct;28(2):84–92 (69 ref.)

SUPPLY & DISTRIBUTION

Sociodemographic differences in access to vision care among adults in the United States, 1974–1975. Fleming NS. **Med Care** 1983 Nov;21(11):1076–88

VETERINARY

[A simplified method for detection of visual abnormality in rats on reproduction study: the critical intensity of illumination and the effect of dark-adaptation] Saegusa T, et al. **Jikken Dobutsu** 1984 Apr;33(2):181–5 (Eng. Abstr.) **(Jpn)**

VISITING NURSES see **COMMUNITY HEALTH NURSING**

VISITORS TO PATIENTS

Carry on, babies. Janowski MJ. **Am J Nurs** 1983 Dec; 83(12):1730

ICU visiting policies. Youngner SJ, et al. **Crit Care Med** 1984 Jul;12(7):606–8

Importance of visiting needs as perceived by family members of patients in the intensive care unit. Stillwell SB. **Heart Lung** 1984 May;13(3):238–42

A place for the family in hospital life. Eldar R, et al. **Int Nurs Rev** 1984 Mar–Apr;31(2):40–2

A prospective, controlled study of scheduled sibling visits to a newborn intensive care unit. Maloney MJ, et al. **J Am Acad Child Psychiatry** 1983 Nov;22(6):565–70

Acceptance of ostomy and the visitor role in a self-help group for ostomy patients. Trainor MA. **Nurs Res** 1982 Mar–Apr;31(2):102–6

PSYCHOLOGY

An evaluation of two visiting programs for elderly community residents. Bogat GA, et al. **Int J Aging Hum Dev** 1983;17(4):267–80

VISNA-MAEDI VIRUSES

GENETICS

Molecular cloning of unintegrated visna viral DNA and characterization of frequent deletions in the 3' terminus. Molineaux S, et al. **Gene** 1983 Aug;23(2):137–48

Genetic variation among lentiviruses: homology between visna virus and caprine arthritis-encephalitis virus is confined to the 5' gag–pol region and a small portion of the env gene. Pyper JM, et al. **J Virol** 1984 Sep; 51(3):713–21

IMMUNOLOGY

Seroepidemiological survey of maedi-visna virus infection in sheep and goat flocks in Quebec. Lamontagne L, et al. **Can J Comp Med** 1983 Jul;47(3):309–15

Lack of neutralizing antibodies to caprine arthritis-encephalitis lentivirus in persistently infected goats can be overcome by immunization with inactivated Mycobacterium tuberculosis. Narayan O, et al. **J Virol** 1984 Feb;49(2):349–55

Maedi-visna antibodies in sheep and goats in Nigeria. Belino ED, et al. **Vet Rec** 1984 Jun 9;114(23):570

PHYSIOLOGY

Role of macrophages in the immunopathogenesis of visna-maedi of sheep. Narayan O. **Prog Brain Res** 1983; 59:233–5

VISNADIN see under **BENZOPYRANS**

VISUAL ACUITY

see related
FORM PERCEPTION
REFRACTION, OCULAR

Comparative study of the visual performance of various aphakic corrections. Guillon M, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):851–9

Visual acuity testing with preferential looking in mental retardation. Lennerstrand G, et al. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):624–33

Visual recovery after treatment for pituitary adenoma. Lennerstrand G. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1104–17

Working with cathode-ray tube based visual display units. Nyman KG. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:111–4

Factors influencing final visual results in severely injured eyes. Hutton WL, et al. **Am J Ophthalmol** 1984 Jun; 97(6):715–22

Depth of strabismic amblyopia determined with neutral density filters [letter] Nardi M. **Am J Ophthalmol** 1984 Mar; 97(3):400–1

Visual field defects in idiopathic intracranial hypertension (pseudotumor cerebri). Wall M, et al. **Am J Ophthalmol** 1983 Nov;96(5):654–69

Predicting visual resolution from detection thresholds. Adams AJ, et al. **Am J Optom Physiol Opt** 1984 Jun; 61(6):371–6

Effect of luminance, contrast, and eccentricity on visual acuity in senile macular degeneration. Brown B, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):265–70

Dark adaptation and the acuity/luminance response in senile macular degeneration (SMD). Brown B, et al. **Am J Optom Physiol Opt** 1983 Aug;60(8):645–50

Use of forced preferential looking for measurement of visual acuity in a population of neurologically impaired children. Duckman RH, et al. **Am J Optom Physiol Opt** 1983 Oct; 60(10):817–21

Visual improvement in amblyopia after visual loss in the dominant eye. Rabin J. **Am J Optom Physiol Opt** 1984 May;61(5):334–7

Canine visual acuity: retinal and cortical field potentials evoked by pattern stimulation. Odom JV, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R637–41

Pretesting of questions in visual acuity surveys [letter] Rubenstein RS, et al. **Am J Public Health** 1983 Nov; 73(11):1331–2

New methods for predicting visual acuity after cataract surgery. Minkowski JS, et al. **Ann Ophthalmol** 1984 Jun; 16(6):511, 513–6

Visual acuity related to retinal distance from the fovea in macular disease. Weiter JJ, et al. **Ann Ophthalmol** 1984 Feb;16(2):174–6

Pattern visual evoked potentials and spatial vision in retrobulbar neuritis and multiple sclerosis. Neima D, et al. **Arch Neurol** 1984 Feb;41(2):198–201

Amblyopia and congenital esotropia. Visually evoked potential measurements. Hoyt CS, et al. **Arch Ophthalmol** 1984 Jan;102(1):58–61

A simple, inexpensive method to improve low visual acuity of highly hypermetropic, aphakic patients. Kozlowski JM, et al. **Arch Ophthalmol** 1984 Mar;102(3):466–7

Contrast sensitivity. The visual rehabilitation of the patient with macular degeneration. Loshin DS, et al. **Arch Ophthalmol** 1984 Sep;102(9):1303–6

Clinical applications of preferential looking measures of visual acuity. Dobson V. **Behav Brain Res** 1983 Oct; 10(1):25–38

The maturation of visual acuity in neurologically normal and abnormal newborn infants. Dubowitz LM, et al. **Behav Brain Res** 1983 Oct;10(1):39–45

The existence of a separate, brief critical period for the corpus callosum to affect visual development. Elberger AJ. **Behav Brain Res** 1984 Mar;11(3):223–31

Visual testing with 'preferential looking' in mentally retarded children. Lennerstrand G, et al. **Behav Brain Res** 1983 Oct; 10(1):199–202

Preferential looking acuity of pediatric patients with developmental disabilities. Mayer DL, et al. **Behav Brain Res** 1983 Oct;10(1):189–97

Psychophysical assessment of visual acuity in infants with visual disorders. Mohindra I, et al. **Behav Brain Res** 1983 Oct;10(1):51–8

Comparison of acuity tests and pattern evoked potential criteria: two mechanisms underly acuity maturation in man. Spekreijse H. **Behav Brain Res** 1983 Oct;10(1):107–17

Measurement of visual acuity in human and monkey infants: the interface between laboratory and clinic. Teller DY. **Behav Brain Res** 1983 Oct;10(1):15–23

Preferential looking acuity in preterm infants. Van Hof-van Duin J, et al. **Behav Brain Res** 1983 Oct;10(1):47–50

Improving visual acuity in a myopic child: assessing compliance and effectiveness. Blount RL, et al. **Behav Res Ther** 1984;22(1):53–7

An attempt to explain the differences between the upper and lower halves of the striate cortical map of the cat's field of view. Epstein LI. **Biol Cybern** 1984;49(3):175–7

Predicting acuities in patients with cataracts [letter] Faulkner HW. **Br J Ophthalmol** 1983 Nov;67(11):786–7

Preliminary results of proton beam irradiation of macular and paramacular melanomas. Gragoudas ES, et al. **Br J Ophthalmol** 1984 Jul;68(7):479–85

Demyelinating optic neuropathy. Notes on clinical examination techniques. Frisén L. **Bull Soc Belge Ophtalmol** 1983 Nov;208:359–64

Evaluation of the macular function in cataractous eyes by means of the Blue Field Entoptoscope. Miris R, et al. **Bull Soc Belge Ophtalmol** 1982;201:121–6

Grating test of contrast sensitivity. Sjöstrand J. **Bull Soc Belge Ophtalmol** 1983 Nov;208:143–9

Secondary anterior chamber lens implantation. Lindstrom RL, et al. **CLAO J** 1984 Apr–Jun;10(2):133–6

The development of vernier acuity in infants. Manny RE, et al. **Curr Eye Res** 1984 Mar;3(3):453–62

Decrease of visual acuity in patients with clear media and normal fundi. Objective screening methods for differentiation and documentation. Gruber H. **Doc Ophthalmol** 1984 Feb 29;56(4):327–35

Visual acuity development in tyrosinase negative oculocutaneous albinism. Jacobson SG, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):337–44

Oblique effects, vertical effects and meridional amblyopia in monkeys. Harwerth RS, et al. **Exp Brain Res** 1983; 53(1):142–50

Immediate and long-term effects on visual acuity of surgically induced strabismus in kittens. Mitchell DE, et al. **Exp Brain Res** 1984;55(3):420–30

Visual prognosis of eye penetrating injuries in childhood. Angi MR, et al. **Fortschr Ophthalmol** 1984;81(2):117–8

Influence of low magnetic-field-strength variations on the retina and pineal gland of quail and humans. Cremer-Bartels G, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;220(5):248–52

Visual acuity, spectacle blur and slit-lamp biomicroscopy on asymptomatic contact-lens-wearing recruits. Rouwen AJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):73–7

Development of retinal acuity in infants evaluated with pattern electroretinogram. Fiorentini A, et al. **Hum Neurobiol** 1984;3(2):93–5

Assessment and prediction of visual acuity in 3- to 4-year-old children born prior to term. Sebris SL, et al. **Hum Neurobiol** 1984;3(2):87–92

The development of peripheral visual acuity in human infants. A preliminary study. Sireteanu R, et al. **Hum Neurobiol** 1984;3(2):81–5

Mathematical models of readaptation of human vision after exposure to short flashes. Kolt anov VV, et al. **Hum Physiol** 1983 Jul–Aug;9(4):274–7

Retinal visual acuity in ametropia. Billore OP, et al. **Indian J Ophthalmol** 1983 Jul;31(4):383–7

Suggested improvement, music, and the visual acuity of myopes: a reply. Smith HV, et al. **Int J Clin Exp Hypn** 1983 Oct;31(4):241–2

Suggested improvement of visual acuity: a statistical reevaluation. Wagstaff GF. **Int J Clin Exp Hypn** 1983 Oct; 31(4):239–40

Contrast sensitivity in asymmetric glaucoma. Motolko MA, et al. **Int Ophthalmol** 1984 Jan;7(1):45–59

The effects of image degradation by cataract on vernier acuity. Essock EA, et al. **Invest Ophthalmol Vis Sci** 1984 Sep;25(9):1043–50

Assessment of acuity in human infants using face and grating stimuli. Harris SJ, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):782–6

Visual acuity and cone spatial density in retinitis pigmentosa. Sandberg MA, et al. **Invest Ophthalmol Vis Sci** 1983 Nov; 24(11):1511–3

Spatial characteristics of static and dynamic stereoacuity in strabismus. Schor C, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1572–9

Stereoacuity improvement in amblyopes after minimal occlusion treatment [letter] Simons K. **Invest Ophthalmol Vis Sci** 1984 May;25(5):621–3

Effects on stereopsis of monocular versus binocular degradation of image contrast. Simons K. **Invest Ophthalmol Vis Sci** 1984 Aug;25(8):987–9

The resistance of selected hyperacuity configurations to retinal image degradation. Williams RA, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):389–99

Predicting acuities in capsulotomy patients: interferometers and potential acuity meter. Faulkner W. **J Am Intraocul Implant Soc** 1983 Fall;9(4):434–7

The NYSOA vision screening battery—a total approach. Cohen AH, et al. **J Am Optom Assoc** 1983 Nov; 54(11):979–84

The dot visual acuity test—a new acuity test for children. Kirschen DG, et al. **J Am Optom Assoc** 1983 Dec; 54(12):1055–9

The validity of the Frisby stereotest as a measure of precise stereoacuity. Rosner J, et al. **J Am Optom Assoc** 1984 Jul; 55(7):505–6

Recommended vision standards for police officers. Sheedy JE, et al. **J Am Optom Assoc** 1983 Oct;54(10):925–8

A comparison of the Snellen chart and the S-chart for visual acuity assessment in amblyopia. Wick B, et al. **J Am Optom Assoc** 1984 May;55(5):359–61

An evaluation of the Arden grating test. Woo GC, et al. **J Am Optom Assoc** 1983 Nov;54(11):985–9

Optic nerve hypoplasia and visual function (a quantitative correlation). Acers TE. **J Okla State Med Assoc** 1983 Dec; 76(12):409–13

Physical limits of acuity and hyperacuity. Geisler WS. **J Opt Soc Am [A]** 1984 Jul;1(7):775–82

Orientation dependence of visual hyperacuity contains a component with hexagonal symmetry. Hirsch J, et al. **J Opt Soc Am [A]** 1984 Mar;1(3):300–8

Retinal inhomogeneity. I. Spatiotemporal contrast sensitivity. Kelly DH. **J Opt Soc Am [A]** 1984 Jan;1(1):107–13

Retinal inhomogeneity. II. Spatial summation. Kelly DH. **J Opt Soc Am [A]** 1984 Jan;1(1):114–9

The directional sensitivity of retinal rods. Alpern M, et al. **J Physiol (Lond)** 1983 Oct;343:577–92

Effect of 15-minute bicycle work load on static and kinetic visual acuities. Watanabe Y. **J Sports Med Phys Fitness** 1983 Dec;23(4):373–81

Contrast sensitivity of hemodialysis patients. Russell P, et al. **Metab Pediatr Syst Ophthalmol** 1983;7(4):201–6

Visual hyperacuity [news] Braddick O. **Nature** 1984 Mar 15–21;308(5956):228–9

Electrophysiological correlates of hyperacuity in the human visual cortex. Levi DM, et al. **Nature** 1983 Dec 1–7; 306(5942):468–70

Vision and eye problems in seven year olds: a report from the Dunedin Multidisciplinary Health and Development Research Unit. Simpson A, et al. **NZ Med J** 1984 Jul 11; 97(759):445–9

Meridional variations and other properties suggesting that acuity and orientation discrimination rely on different neuronal mechanisms. Orban GA, et al. **Ophthalmic Physiol Opt** 1984;4(1):89–93

Stereopsis with spatially-degraded images. Wood IC. **Ophthalmic Physiol Opt** 1983;3(3):337–40

Practical applications of the contrast sensitivity function.

Woodhouse JM. **Ophthalmic Physiol Opt** 1983;3(3):311–4
Congenital anterior polar cataract: a review of 63 cases. Jaafar MS, et al. **Ophthalmology** 1984 Mar;91(3):249–54
Visual impairment in diabetes. Klein R, et al. **Ophthalmology** 1984 Jan;91(1):1–9
Inter-observer variation in refraction and visual acuity measurement using a standardized protocol. Klein R, et al. **Ophthalmology** 1983 Nov;90(11):1357–9
Potential acuity meter using a minute aerial pinhole aperture. Minkowski JS, et al. **Ophthalmology** 1983 Nov; 90(11):1360–8
Light intensity and visual acuity following cataract surgery. Berler DK, et al. **Ophthalmology (Rochester)** 1983 Aug; 90(8):933–6
Developmental aspects in the assessment of visual function in young children. Nelson LB, et al. **Pediatrics** 1984 Mar; 73(3):375–81
Automotive headlighting: effect of foreground illumination. Olson PL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1036–8
The extent of Panum's area and the human cortical magnification factor. Hampton DR, et al. **Perception** 1983; 12(2):161–5
On the plausibility of Superman's x-ray vision. Pittenger JB. **Perception** 1983;12(5):635–9
Labile nature of the visual recovery promoted by reverse occlusion in monocularly deprived kittens. Mitchell DE, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(1):286–8
Penetrating ocular injuries in young patients. Initial injuries and visual results. Sternberg P Jr, et al. **Retina** 1984 Winter-Spring;4(1):5–8
Epidemiological study on visual acuity in four regions of Ethiopia. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(3–4):131–46, 163–8 **(Eng, Fre)**
Visual screening via television. Flocks M. **Surv Ophthalmol** 1983 Nov-Dec;28(3):184–7
Visual acuity norms in young children. Simons K. **Surv Ophthalmol** 1983 Sep-Oct;28(2):84–92 (69 ref.)
Intraocular lenses: complications and visual results. Stark WJ Jr, et al. **Trans Am Ophthalmol Soc** 1983;81:280–309
The effects of screen size and eccentricity on acuity estimates in infants using preferential looking. Atkinson J, et al. **Vision Res** 1983;23(12):1479–83
Visual acuity and its meridional variations in children aged 7–60 months. Birch EE, et al. **Vision Res** 1983; 23(10):1019–24
Anisotropic resolution in children's vision. Gwiazda J, et al. **Vision Res** 1984;24(6):527–31
The effects of exposure duration and luminance on the 3-dot hyperacuity task. Hadani I, et al. **Vision Res** 1984; 24(8):871–4
Spatiotemporal conditions which elicit or abolish the oblique effect in man: direct measurement with swept evoked potential. Nelson JI, et al. **Vision Res** 1984;24(6):579–86
Development of vernier acuity in infants. Shimojo S, et al. **Vision Res** 1984;24(7):721–8
Visual acuity in the young infant is highest in a small retinal area. Spinelli D, et al. **Vision Res** 1983;23(10):1133–6
The use of different cues in vernier acuity. Watt RJ, et al. **Vision Res** 1983;23(10):991–5
The meaning of non-monotonic psychometric functions in the assessment of infant preferential looking acuity. A reply to Banks et al. (1982) and Teller et al. (1982). Wolfe JM, et al. **Vision Res** 1983;23(9):917–20
[Comparison of a series of pupillary implants and a series of anterior chamber implants from the viewpoint of visual acuity] Massin M, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:70–2 **(Fre)**
[Peripheral visual acuity in aphakia and pseudophakia] Meur G. **Bull Soc Belge Ophtalmol** 1983;204–205:55–60 (Eng. Abstr.) **(Fre)**
[Neurosensory changes following ocular contusion with an intraocular foreign body] Delplace MP, et al. **Bull Soc Ophtalmol Fr** 1983 Jun-Jul;83(6–7):845–50 (Eng. Abstr.) **(Fre)**
[Visual acuity after 5 years of 160 nondrained retinal detachments] Jeaneau E, et al. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):389–92, 397–8 **(Fre)**
[The function of contrast sensitivity in deprivation amblyopia] Kocher L, et al. **J Fr Ophtalmol** 1983; 6(10):843–51 (Eng. Abstr.) **(Fre)**
[Age and photopic and mesopic visual acuity] Vola JL, et al. **J Fr Ophtalmol** 1983;6(5):473–9 (Eng. Abstr.) **(Fre)**
[Reduced visual acuity in simulated corneal opacities using special contact lenses—initial results of a model experiment] Alexandridis E, et al. **Fortschr Ophthalmol** 1984;81(2):178–9 (Eng. Abstr.) **(Ger)**
[The effect of weak magnetic field variations on the acuity of human night vision] Krause K, et al. **Fortschr Ophthalmol** 1984;81(2):183–5 (Eng. Abstr.) **(Ger)**
[Vernier acuity in amblyopia] Rentschler I, et al. **Fortschr Ophthalmol** 1983;80(5):395–7 (Eng. Abstr.) **(Ger)**
[How do patients assess their visual acuity after intracapsular cataract extraction and correction with eyeglasses] Mackensen G, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):84–8 (Eng. Abstr.) **(Ger)**
[Objective determination of visual acuity using electronystagmography-recent experiences] Makabe R. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):197–8 (Eng. Abstr.) **(Ger)**
[Stereoscopic vision in reduced visual acuity] Roggenkämper P. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):105–9 (Eng. Abstr.) **(Ger)**
[Visual capacity and traffic] Gramberg-Danielsen B. **Off Gesundheitswes** 1984 Aug;46(8):358–63 **(Ger)**
[Can traffic safety at the onset of twilight be improved?] Koch P, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Mar;34(3):66–70 (Eng. Abstr.) **(Ger)**
[Long-term prognosis after cataract surgery. 2. Methods of aphakic correction and practical visual acuity] Ikeda S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar;88(3):464–7 (Eng. Abstr.) **(Jpn)**
[Clinical study on visual prognosis of retinal vein occlusion] Oshikiri M, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb; 88(2):208–21 (Eng. Abstr.) **(Jpn)**
[Causes of decreased visual acuity in patients with diabetes mellitus] Krzystolikowa Z, et al. **Klin Oczna** 1983 Apr; 85(4):149–51 (Eng. Abstr.) **(Pol)**
[Visual acuity in macular degeneration] Trusiewiczowa D, et al. **Klin Oczna** 1984 Mar;86(3):121–? (Eng. Abstr.) **(Pol)**
[Model of a monitoring automatic device for mass examinations of visual acuity—technical principles and preliminary evaluation] Wysocki Z, et al. **Klin Oczna** 1983 Apr;85(4):185–7 (Eng. Abstr.) **(Pol)**
[Work capacity indices of the pupils of textile vocational and technical schools as a function of visual acuity] Savel'ev ON, et al. **Gig Sanit** 1983 Nov;(11):92–3 **(Rus)**
[Dynamic visual acuity] Iakubovskaia TV. **Oftalmol Zh** 1983; (7):429–31 (23 ref.) **(Rus)**
[Retinal visual acuity of normal eyes—use of a retinometer with a widened range of measurement] Pen'kov MA, et al. **Oftalmol Zh** 1984;(1):16–8 (Eng. Abstr.) **(Rus)**
[Evaluation of the severity of disbinocular amblyopia in children] Pospelov VI. **Oftalmol Zh** 1983;(8):480–4 (Eng. Abstr.) **(Rus)**
[Frequency-contrast characteristics and visual acuity in ophthalmologic practice] Volkov VV, et al. **Oftalmol Zh** 1983;38(3):148–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Visual evoked potentials and ibuprofen (Motrin) toxicity. Hamburger HA, et al. **Ann Ophthalmol** 1984 Apr; 16(4):328–9
The effect of alcohol on the visual and ocular motor systems. Wilson G, et al. **Aust J Ophthalmol** 1983 Nov;11(4):315–9
Dietary omega-3 fatty acid deficiency and visual loss in infant rhesus monkeys. Neuringer M, et al. **J Clin Invest** 1984 Jan;73(1):272–6
Evaluation of visual acuity during laser photoradiation therapy of cancer. Coffey JH, et al. **Lasers Surg Med** 1984; 4(1):65–71

RADIATION EFFECTS

Glare from outdoor high mast lighting: effects on visual acuity and contrast sensitivity in comparative studies of different floodlighting systems. Carlsson L, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:84–93

VISUAL AIDS see **AUDIO-VISUAL AIDS**

VISUAL CORTEX

Neurotoxic actions of methylmercury on the primate visual system. Merigan WH, et al. **Neurobehav Toxicol Teratol** 1983 Nov-Dec;5(6):649–58
Recovery of function after brain damage: differences in aged rats? LeVere ND. **Neurobiol Aging** 1983 Fall;4(3):181–5
Contributions to the study of 'blindsight'—II. The role of specific practice for saccadic localization in patients with postgeniculate visual field defects. Zihl J, et al. **Neuropsychologia** 1984;22(1):13–22
Contributions to the study of 'blindsight'—I. Can stray light account for saccadic localization in patients with postgeniculate field defects? Zihl J, et al. **Neuropsychologia** 1984;22(1):1–11
[Etiopathogenesis and clinical aspects of cortical blindness] Kanios K. **Wiad Lek** 1983 Apr 15;36(8):653–5 (Eng. Abstr.) **(Pol)**

ANALYSIS

A selective decrease of cholinergic muscarinic receptors in the visual cortex of adult rats following developmental lead exposure. Costa LG, et al. **Brain Res** 1983 Oct 16; 276(2):259–66
A combined Golgi impregnation method and transmitter labelling of the visual cortex of the albino mouse—evaluation of three transmitters, [3H]dopamine, [3H]GABA and [3H]norepinephrine. Yew DT, et al. **Cell Mol Biol** 1984;30(1):75–9

ANATOMY & HISTOLOGY

Retinotopic organization of the lateral suprasylvian area of the cat. Djavadian RL, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):251–62
Projections from the visual cortical region of the superior temporal sulcus to the striatum and claustrum in the macaque monkey. Maioli MG, et al. **Arch Ital Biol** 1983 Dec;121(4):259–66
Differences in orientation and receptive field position between supra- and infragranular cells of cat striate cortex and their possible functional implications. Bauer R. **Biol Cybern** 1983;49(2):137–48
Retinotopic organization of striate and extrastriate visual cortex in the hooded rat. Espinoza SG, et al. **Brain Res** 1983 Aug 1;272(1):137–44
Bilateral changes in soma size of geniculate relay cells and corticogeniculate cells after neonatal monocular enucleation in rats. Fukuda Y, et al. **Brain Res** 1984 May 28;301(1):13–23
The geniculostriate projection in the grey squirrel: preliminary autoradiographic data. Harting JK, et al. **Brain Res** 1983 Aug 8;272(2):341–9
Intracortical termination of the retino-geniculo-striate pathway studied with transsynaptic tracer (wheat germ agglutinin-horseradish peroxidase) and cytochrome oxidase staining in the macaque monkey. Itaya SK, et al. **Brain Res** 1984 Jun 25;304(2):303–10
The projections of single thalamic neurons onto multiple visual cortical areas in the cat. Kaufman EF, et al. **Brain Res** 1984 Apr 23;298(1):171–4
Heterotopic and homotopic callosal connections in rat visual cortex. Miller MW, et al. **Brain Res** 1984 Apr 9; 297(1):75–89
Widespread callosal connections in infragranular visual cortex of the rat. Olavarria J, et al. **Brain Res** 1983 Nov 21;279(1–2):233–7
Evidence for a laminar organization of basal forebrain afferents to the visual cortex. Rieck R, et al. **Brain Res** 1984 Apr 16;297(2):374–80
Efferent systems of primary visual cortex: a review of structure and function. Swadlow HA. **Brain Res** 1983 Aug; 287(1):1–24
Organization of the visual thalamus: corticothalamic projections from the primary visual area in the opossum. Linden R, et al. **Braz J Med Biol Res** 1983 Oct;16(3):247–60
Electrophysiological and anatomical demonstration of an overlapping striate and tectal projection to the lateral posterior-pulvinar complex of the cat. Benedek G, et al. **Exp Brain Res** 1983;52(2):157–69
Projection of the lateral geniculate nucleus onto cortical area V2 in the macaque monkey. Bullier J, et al. **Exp Brain Res** 1983;53(1):168–72
Residual neurons in the lateral geniculate nucleus of adult cats following chronic disconnection from the cortex. Madarász M, et al. **Exp Brain Res** 1983;52(3):363–74
Neonatal superior collicular lesions alter visual callosal development in hamster. Mooney RD, et al. **Exp Brain Res** 1984;55(1):9–25
Contralateral corticofugal projections to cat visual thalamus. Payne BR, et al. **Exp Brain Res** 1984;53(2):462–6
Double representation of lower visual quadrant in prelunate gyrus of rhesus monkey. Baizer JS, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1436–9
Distribution in area 17 of neurons projecting to the pontine nuclei: a quantitative study in the cat with retrograde transport of HRP-WGA. Bjaalie JG, et al. **J Comp Neurol** 1983 Dec 10;221(3):289–303
Interhemispheric connections of the visual cortex in the grey squirrel (Sciurus carolinensis). Gould HJ 3d. **J Comp Neurol** 1984 Feb 20;223(2):259–301
Acetylcholinesterase-immunoreactive axonal network in monkey visual cortex. Hedreen JC, et al. **J Comp Neurol** 1984 Jun 20;226(2):246–54
Corticotectal terminals in the superior colliculus of the rabbit: a light- and electron microscopic analysis using horseradish peroxidase (HRP)-tetramethylbenzidine (TMB). Holländer H, et al. **J Comp Neurol** 1983 Sep 1;219(1):81–7
Direct connections of rat visual cortex with sensory, motor, and association cortices. Miller MW, et al. **J Comp Neurol** 1984 Jun 20;226(2):184–202
Reconstructions of corticogeniculate axons in the cat. Robson JA. **J Comp Neurol** 1984 May 10;225(2):193–200
The lateral suprasylvian corticotectal projection in cats. Segal RL, et al. **J Comp Neurol** 1984 May 10;225(2):259–75
Anatomical consequences of long-term monocular eyelid closure on lateral geniculate nucleus and striate cortex in squirrel monkey. Tigges M, et al. **J Comp Neurol** 1984 Jul 20;227(1):1–13
A reevaluation of the functional organization and cytoarchitecture of the feline lateral posterior complex, with observations on adjoining cell groups. Updyke BV. **J Comp Neurol** 1983 Sep 10;219(2):143–81
Retinotopic patterns of connections of area 17 with visual areas V-II and MT in macaque monkeys. Weller RE, et al. **J Comp Neurol** 1983 Nov 1;220(3):253–79
The monocular and binocular subfields of the rat's primary visual cortex: a quantitative morphological approach. Zilles K, et al. **J Comp Neurol** 1984 Jul 1;226(3):391–402
Termination of geniculocortical afferents on bipolar neurons in area 17 of the albino rat: a Golgi/EM study. Schober W, et al. **J Hirnforsch** 1983;24(5):473–7
The laminar organization of the lateral geniculate body and the striate cortex in the tree shrew (Tupaia glis). Conley M, et al. **J Neurosci** 1984 Jan;4(1):171–97
Visuotopic organization of the prelunate gyrus in rhesus monkey. Maguire WM, et al. **J Neurosci** 1984 Jul; 4(7):1690–704
The connections of the middle temporal visual area (MT) and their relationship to a cortical hierarchy in the macaque monkey. Maunsell JH, et al. **J Neurosci** 1983 Dec;

3(12):2563–86

Connections of the multiple visual cortical areas with the lateral posterior–pulvinar complex and adjacent thalamic nuclei in the cat. Raczkowski D, et al. **J Neurosci** 1983 Oct;3(10):1912–42

Effect of early locomotor training on evoked potentials and structural organization of visual cortex dendrites of rats during ontogeny. Shimko IA, et al. **Neurosci Behav Physiol** 1984 May–Jun;14(3):254–9

Pupillo–motor areas in the rabbit visual cortex. Imai H, et al. **Neurosci Lett** 1984 Jul 13;48(1):13–7

An anatomical investigation of visual inputs to the cat orbital cortex. Maire E, et al. **Neurosci Lett** 1983 Dec 23;43(1):25–9

Direct projections to the prestriate cortex from the retino–recipient zone of the inferior pulvinar nucleus in the macaque monkey. Mizuno N, et al. **Neurosci Lett** 1983 Dec 30;43(2–3):155–60

Area 17 of anthropoid primates does participate in visual callosal connections. Spatz WB, et al. **Neurosci Lett** 1984 Jul 13;48(1):49–53

The section–Golgi impregnation procedure. 2. Immunocytochemical demonstration of glutamate decarboxylase in Golgi–impregnated neurons and in their afferent synaptic boutons in the visual cortex of the cat. Somogyi P, et al. **Neuroscience** 1983 Jul;9(3):475–90

Transneuronal degeneration of beta retinal ganglion cells in the cat. Payne BR, et al. **Proc R Soc Lond [Biol]** 1984 Jul 23;222(1226):15–32

An outlying visual area in the cerebral cortex of the cat. Olson CR, et al. **Prog Brain Res** 1983;58:239–45

Isotropy of cortical magnification and topography of striate cortex. Rovamo J, et al. **Vision Res** 1984;24(3):283–6

[Subcortical projections of the visual cortex in the adult albino rat and during postnatal development] Schober W, et al. **Z Mikrosk Anat Forsch** 1983;97(5):797–815 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Stimulus rate dependence of regional cerebral blood flow in human striate cortex, demonstrated by positron emission tomography. Fox PT, et al. **J Neurophysiol** 1984 May; 51(5):1109–20

CYTOLOGY

Development of visual system – comparison of monkey and man. Garey LJ. **Acta Morphol Hung** 1983;31(1–3):27–37

Ocular dominance columns in cat striate cortex and effects of monocular deprivation: a 2–deoxyglucose study. Kossut M, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):273–82

Responses of area 17 neurons in cats binocularly deprived by rearing in hoods. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):263–72

Loss of intracortical myelinated fibers: a distinctive age–related alteration in the human striate area. Lintl P, et al. **Acta Neuropathol (Berl)** 1983;61(3–4):178–82

Norepinephrine levels in developing pigeon brain: effect of monocular deprivation on the Wulst noradrenergic system. Bagnoli P, et al. **Brain Res** 1983 Nov;312(2):243–50

Sensitivity of complex cells in cat striate cortex to relative motion. Hammond P, et al. **Brain Res** 1984 Jun 3; 301(2):287–98

Short–axon neurons with two axon–like processes in the visual cortex of the cat. A Golgi study. Meyer G. **Brain Res** 1982 Jan 28;232(2):455–9

Qualitative and quantitative measures of plasticity during the normal development of the Rana pipiens retinotectal projection. Reh TA, et al. **Brain Res** 1983 Nov; 312(2):187–200

Laminar cell counts and geniculo–cortical boutons in area 17 of cat and monkey. Winfield DA, et al. **Brain Res** 1983 Oct 31;277(2):223–9

Effects of luminance gradient reversal on complex cells in cat striate cortex. Hammond P, et al. **Exp Brain Res** 1983; 49(3):453–6

Different geniculate inputs to B and C cells of cat striate cortex. Henry GH, et al. **Exp Brain Res** 1983;52(2):179–89

Physiological and morphological properties of identified basket cells in the cat's visual cortex. Martin KA, et al. **Exp Brain Res** 1983;50(2–3):193–200

Different types of 3H–GABA accumulating neurons in the visual cortex of the rat. Characterization by combined autoradiography and Golgi impregnation. Somogyi P, et al. **Exp Brain Res** 1984;54(1):45–56

Relationship between preferred orientation and receptive field position of neurons in cat striate cortex. Leventhal AG. **J Comp Neurol** 1983 Nov 10;220(4):476–83

Axonal patterns and topography of short–axon neurons in visual areas 17, 18, and 19 of the cat. Meyer G. **J Comp Neurol** 1983 Nov 10;220(4):405–38

The formation and maturation of synapses in the visual cortex of the rat. II. Quantitative analysis. Blue ME, et al. **J Neurocytol** 1983 Aug;12(4):697–712

The formation and maturation of synapses in the visual cortex of the rat. I. Qualitative analysis. Blue ME, et al. **J Neurocytol** 1983 Aug;12(4):599–616

Further evidence that Retzius–Cajal cells transform to nonpyramidal neurons in the developing rat visual cortex. Parnavelas JG, et al. **J Neurocytol** 1983 Oct;12(5):863–71

A new method for the topological analysis of neuronal tree structures. Verwer RW, et al. **J Neurosci Methods** 1983 Aug;8(4):335–51

Directional tuning interactions between moving oriented and textured stimuli in complex cells of feline striate cortex. Hammond P, et al. **J Physiol (Lond)** 1983 Sep;342:35–49

Fluorescent latex microspheres as a retrograde neuronal marker for in vivo and in vitro studies of visual cortex. Katz LC, et al. **Nature** 1984 Aug 9–15;310(5977):498–500

The effect of aging on the neuronal population within area 17 of adult rat cerebral cortex. Peters A, et al. **Neurobiol Aging** 1983 Winter;4(4):273–82

Development of GABAergic neurons in rat visual cortex as identified by glutamate decarboxylase–like immunoreactivity. Wolff JR, et al. **Neurosci Lett** 1984 Jun 29;47(3):207–12

Numbers of specific types of neuron in layer IVab of cat striate cortex. Solnick B, et al. **Proc Natl Acad Sci USA** 1984 Jun;81(12):3898–900

Large layer VI neurons of monkey striate cortex (Meynert cells) project to the superior colliculus. Fries W, et al. **Proc R Soc Lond [Biol]** 1983 Aug 22;219(1214):53–9

[Sparsely–spined neurons in the rat visual cortex] Hedlich A, et al. **J Hirnforsch** 1984;25(3):295–308 (Eng. Abstr.) **(Ger)**

[Morphological changes in the cerebral cortex of animals administered blood serum from patients with thyrotoxicosis] Gordienko VM, et al. **Vrach Delo** 1983 Sep; (9):96–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Characterization of penicillin– and bicuculline–induced epileptiform discharges during development of striate cortex in rabbits. Campbell BG, et al. **Brain Res** 1984 Jul; 317(1):125–8

Laminar interactions during neocortical epileptogenesis. Ebersole JS, et al. **Brain Res** 1984 Apr 30;298(2):253–71

Naloxone–induced augmentation of the photically evoked afterdischarge in conscious rats. Shearer DE, et al. **Brain Res Bull** 1984 Apr;12(4):437–9

The effect of norepinephrine on visual cortical neurons in kittens and adult cats. Videen TO, et al. **J Neurosci** 1984 Jun;4(6):1607–17

Chemical sensitivity of visual cortical neurons at different stages of food behavior formation. Andrianov VV. **Neurosci Behav Physiol** 1983 Sep–Oct;13(5):351–6

Carbon dioxide uncouples dye–coupled neuronal aggregates in neocortical slices. Gutnick MJ, et al. **Neurosci Lett** 1983 Dec 2;42(2):197–200

Acute effects of alcohol on photic evoked potentials of rats: lateral geniculate nucleus and reticular formation. Hetzler BE, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:483–7

[Demonstration of an effect of (3H)–L–proline on the number of dendritic spines on stellate cells of the primary visual cortex in Macaca during the critical period] Versaux–Botteri C, et al. **C R Seances Acad Sci [III]** 1984; 298(20):577–82 (Eng. Abstr.) **(Fre)**

[Effect of noradrenaline on the growth of tissues cultures of rat cerebral cortex] Chubakov AR, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):330–8 (Eng. Abstr.) **(Rus)**

[Modulation of the process of habituation by single–component solutions of agonists of opiate mu–, delta–, kappa– and sigma–receptors] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):98–106 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Geniculo–cortical connections in primates: normal and experimentally altered development. Rakic P. **Prog Brain Res** 1983;58:393–404

ENZYMOLOGY

GABA transaminase and succinic semialdehyde dehydrogenase histochemical activities in the visual and auditory cortexes of the rat: cytophotometric and statistical study. Martinez–Murillo R, et al. **Cell Mol Biol** 1984; 30(3):217–22

Quantitative light and electron microscopic analysis of cytochrome oxidase–rich zones in the striate cortex of the squirrel monkey. Carroll EW, et al. **J Comp Neurol** 1984 Jan 1;222(1):1–17

Glutamate decarboxylase–immunoreactive terminals of Golgi–impregnated axoaxonic cells and of presumed basket cells in synaptic contact with pyramidal neurons of the cat's visual cortex. Freund TF, et al. **J Comp Neurol** 1983 Dec 10;221(3):263–78

Quantitative light and electron microscopic analysis of cytochrome oxidase–rich zones in V II prestriate cortex of the squirrel monkey. Wong–Riley MT, et al. **J Comp Neurol** 1984 Jan 1;222(1):18–37

Effect of early light deprivation on acetylcholinesterase activity in the visual cortex. Busnyuk MM. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):122–5

Mapping of cytochrome oxidase patches and ocular dominance columns in human visual cortex. Horton JC, et al. **Philos Trans R Soc Lond [Biol]** 1984 Jan 17; 304(1119):255–72 (39 ref.)

GROWTH & DEVELOPMENT

Some recent findings on the development of human binocularity: a review. Braddick OJ, et al. **Behav Brain Res** 1983 Oct;10(1):141–50 (27 ref.)

Structural development of the lateral geniculate nucleus and visual cortex in monkey and man. Garey LJ, et al. **Behav Brain Res** 1983 Oct;10(1):3–13

Dendritic development in human occipital cortical neurons. Becker LE, et al. **Brain Res** 1984 Mar;315(1):117–24

The role of retinogeniculate afferents in the development of connections between visual cortex and the dorsal lateral geniculate nucleus. Brunso–Bechtold JK, et al. **Brain Res** 1983 Oct;312(1):33–9

Quantitation of synaptic vesicle antigen in rabbit superior colliculus during normal development and after neonatal visual cortical lesion. Greif KF, et al. **Brain Res** 1983 Sep 19;275(1):143–7

Bilateral transitory projection to visual areas from auditory cortex in kittens. Innocenti GM, et al. **Brain Res** 1984 May; 316(1):143–8

Transitory macrophages in the white matter of the developing visual cortex. I. Light and electron microscopic characteristics and distribution. Innocenti GM, et al. **Brain Res** 1983 Dec;313(1):39–53

Transitory macrophages in the white matter of the developing visual cortex. II. Development and relations with axonal pathways. Innocenti GM, et al. **Brain Res** 1983 Dec;313(1):55–66

Transneuronal effects of early eye removal on geniculo–cortical projection cells. Jeffery G. **Brain Res** 1984 Apr;315(2):257–63

The effects of unilateral neonatal removal of visual cortex on transmitter parameters in the adult superior colliculus and lateral geniculate body. Kvale I, et al. **Brain Res** 1983 Dec;313(2):261–6

The development of callosal projections in normal and one–eyed rats. Lund RD, et al. **Brain Res** 1984 May; 316(1):139–42

The postnatal growth of the callosal connections of primary and secondary visual cortex in the rat. Miller MW, et al. **Brain Res** 1984 Jun;316(2):304–9

Effects of bicuculline–induced epileptiform activity on development of receptive field properties in striate cortex and lateral geniculate nucleus of the rabbit. Ostrach LH, et al. **Brain Res** 1984 Jul;317(1):113–23

Ontogenesis of muscarinic acetylcholine binding sites in cat visual cortex: reversal of specific laminar distribution during the critical period. Shaw C, et al. **Brain Res** 1984 Jun;316(2):295–9

Postnatal development of corticotectal neurons in the kitten striate cortex: an electrophysiological study. Tsumoto T, et al. **Brain Res** 1983 Dec;313(1):29–38

The postnatal development of synapses in the different laminae of the visual cortex in the normal kitten and in kittens with eyelid suture. Winfield DA. **Brain Res** 1983 Aug;285(2):155–69

The effects of short–term occlusion therapy on reversal of the anatomical and physiological effects of monocular deprivation in the lateral geniculate nucleus and visual cortex of kittens. Crewther SG, et al. **Exp Brain Res** 1983; 51(2):206–16

Maturation of monoamine neurotransmitters and receptors in cat occipital cortex during postnatal critical period. Jonsson G, et al. **Exp Brain Res** 1983;50(2–3):449–58

Development of the rabbit visual cortex: a quantitative Golgi analysis. Murphy EH, et al. **Exp Brain Res** 1984; 53(2):304–14

Critical periods in development for susceptibility to the effects of stroboscopic rearing in the rabbit visual cortex. Pearson HE, et al. **Exp Brain Res** 1983;50(2–3):367–72

Ocular dominance of cortical cells in cats dark–reared into maturity after short postnatal monocular deprivation. Yinon U, et al. **Exp Neurol** 1984 Sep;85(3):461–8

The effects of environmental diversity on well fed and previously undernourished rats: neuronal and glial cell measurements in the visual cortex (area 17). Bhide PG, et al. **J Anat** 1984 May;138 (Pt 3):447–61

Geniculocortical projection to layer I of area 17 in kittens: orthograde and retrograde HRP studies. Kato N, et al. **J Comp Neurol** 1984 May 20;225(3):441–7

Neuronal composition and development in lamina 4C of monkey striate cortex. Mates SL, et al. **J Comp Neurol** 1983 Nov 20;221(1):60–90

Spine formation and maturation of type 1 synapses on spiny stellate neurons in primate visual cortex. Mates SL, et al. **J Comp Neurol** 1983 Nov 20;221(1):91–7

Developmental changes in the relationship between type 2 synapses and spiny neurons in the monkey visual cortex. Mates SL, et al. **J Comp Neurol** 1983 Nov 20;221(1):98–105

An autoradiographic study of the postnatal development of sensorimotor and visual components of the corticopontine system. Mihailoff GA, et al. **J Comp Neurol** 1984 Jan 1; 222(1):116–27

Postnatal development of corticotectal neurons in the kitten striate cortex: a quantitative study with the horseradish peroxidase technique. Tsumoto T, et al. **J Comp Neurol** 1983 Sep 1;219(1):88–99

A quantitative assessment of the development of synapses and neurons in the visual cortex of control and undernourished rats. Warren MA, et al. **J Comp Neurol** 1984 Jul 20;227(1):104–8

Development of prestriate visual projections in the monkey and human fetal cerebrum revealed by transient cholinesterase staining. Kostovic I, et al. **J Neurosci** 1984 Jan;4(1):25–42

Early post–natal development of neuronal function in the

kitten's visual cortex: a laminar analysis. Albus K, et al. **J Physiol (Lond)** 1984 Mar;348:153–85
Development of neuronal selectivity in primary visual cortex of cat. Frégnac Y, et al. **Physiol Rev** 1984 Jan;64(1):325–434 (798 ref.)
[Age alterations of monoamine oxidase activity in structures of visual analyzer as affected by light stimulation] Kerimova NK, et al. **Vopr Med Khim** 1983 Jul–Aug; 29(4):37–40 (Eng. Abstr.) **(Rus)**

INJURIES

Horizontal optokinetic nystagmus in the cat: recovery from cortical lesions. Strong NP, et al. **Brain Res** 1984 Apr; 315(2):179–92

METABOLISM

Characterization by Golgi impregnation of neurons that accumulate 3H–GABA in the visual cortex of monkey. Somogyi P, et al. **Exp Brain Res** 1984;53(2):295–303
Autoradiographic deoxyglucose study of visually activated extrastriate cortex in the primate: three–dimensional reconstruction. Herdman SJ, et al. **Exp Neurol** 1984 Aug; 85(2):383–90
Cytochrome oxidase patches: a new cytoarchitectonic feature of monkey visual cortex. Horton JC. **Philos Trans R Soc Lond [Biol]** 1984 Jan 17; 304(1119):199–253 (97 ref.)

PATHOLOGY

Alterations in connections of the corpus callosum following convergent and divergent strabismus. Berman NE, et al. **Brain Res** 1983 Sep 12;274(2):201–12
Shortage of binocular cells in area 17 of visual cortex in cats with congenital strabismus. Hoffmann KP, et al. **Exp Brain Res** 1984;55(3):470–82
A comparison of visual callosal organization in normal, bilaterally enucleated and congenitally anophthalmic mice. Rhoades RW, et al. **Exp Brain Res** 1984;56(1):92–105
Quantitative analysis of the striate cortex in the mutant microphthalmic rat. Sugita S, et al. **Exp Neurol** 1984 Sep; 85(3):584–96
The effects of a lengthy period of environmental diversity on well–fed and previously undernourished rats. I. Neurons and glial cells. Bhide PG, et al. **J Comp Neurol** 1984 Aug 1;227(2):296–304
The effects of a lengthy period of environmental diversity on well–fed and previously undernourished rats. II. Synapse–to–neuron ratios. Bhide PG, et al. **J Comp Neurol** 1984 Aug 1;227(2):305–10
[Effect of immunoglobulins from patients with complicated thyrotoxicosis on the neurons of the rabbit cerebral and cerebellar cortex] Savos'ko II, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):454–7 **(Rus)**

PHYSIOLOGY

Short–term reorganization of the cortical network? Some questions from visual psychophysics. MacKay DM. **Acta Morphol Hung** 1983;31(1–3):285–99
Neuronal mechanisms of experience–dependent self–organization of the mammalian visual cortex. Singer W. **Acta Morphol Hung** 1983;31(1–3):235–59
Crosscorrelation analysis of intracolumnar neuronal connectivity in area 17 of binocularly deprived cats. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(1):1–15
Increase of GABA receptor binding activity after short lasting monocular deprivation in kittens. Skangiel–Kramska J, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(1):33–9
Visually guided behaviour of cats in the absence of retino–geniculo–cortical pathways. Norrsell K. **Acta Ophthalmol [Suppl] (Copenh)** 1983;160:1–99
Cortical magnification factor and contrast sensitivity to luminance–modulated chromatic gratings. Rovamo J. **Acta Physiol Scand** 1983 Dec;119(4):365–71
Canine visual acuity: retinal and cortical field potentials evoked by pattern stimulation. Odom JV, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):R637–41
Development of retinal and cortical responses to pattern reversal in infants: a selective review. Fiorentini A, et al. **Behav Brain Res** 1983 Oct;10(1):99–106 (20 ref.)
Performance in the cat's visual system: a behavioural and neurophysiological analysis. Hoffmann KP, et al. **Behav Brain Res** 1984 May;12(2):101–20
Numerosity judgments in peripheral vision: limitations of the cortical magnification hypothesis. Parth P, et al. **Behav Brain Res** 1984 Mar;11(3):241–8
Effects of lateral suprasylvian visual cortex lesions on visual localization, discrimination, and attention in cats. Spear PD, et al. **Behav Brain Res** 1983 Dec;10(2–3):339–59
Retinotopy and orientation columns in the monkey: a new model. Dow BM, et al. **Biol Cybern** 1984;49(3):189–200
An attempt to explain the differences between the upper and lower halves of the striate cortical map of the cat's field of view. Epstein LI. **Biol Cybern** 1984;49(3):175–7
A functional model of the wiring of the simple cells of visual cortex. Nielsen DE. **Biol Cybern** 1983;47(3):213–22
Visual activation of neurons in the primate pulvinar depends on cortex but not colliculus. Bender DB. **Brain Res** 1983 Nov 21;279(1–2):258–61
White noise analysis of cortical directional selectivity in cat. Citron MC, et al. **Brain Res** 1983 Nov 21;279(1–2):271–7
Overlap of retinal and prestriate cortical pathways in the primate pretectum. Dineen JT, et al. **Brain Res** 1983 Nov 14;278(1–2):250–4
Binocular properties of lateral suprasylvian cortex are not affected by neonatal corpus callosum section. Elberger AJ, et al. **Brain Res** 1983 Nov 14;278(1–2):295–8
'Real–motion' cells in the primary visual cortex of macaque monkeys. Galletti C, et al. **Brain Res** 1984 May 28; 301(1):95–110
Sex differences in dendritic response to differential experience in the rat visual cortex. Juraska JM. **Brain Res** 1984 Mar 12;295(1):27–34
Enhanced binocular interaction in the visual cortex of normal kittens subjected to intracortical norepinephrine perfusion. Kuppermann BD, et al. **Brain Res** 1984 Jun 4;302(1):91–9
Horizontal optokinetic nystagmus in the cat: effects of long–term monocular deprivation. Malach R, et al. **Brain Res** 1984 Apr;315(2):193–205
Deafferentation and axotomy of neurons in cat striate cortex: time course of changes in binocularity following corpus callosum transection. Payne BR, et al. **Brain Res** 1984 Jul 30;307(1–2):201–15
Different role of opiate mu–, delta–, kappa– and sigma–receptors in modification of habituation of orthodromic evoked potential in the turtle's visual cortex. Pivovarov AS, et al. **Brain Res** 1984 May 23;300(2):257–73
Competition and orientation–dependent recovery from monocular deprivation in the kitten's striate cortex. Rauschecker JP. **Brain Res** 1983 Nov;312(2):305–8
GABAergic inhibition already operates on a group of neurons in the kitten visual cortex at the time of eye opening. Sato H, et al. **Brain Res** 1984 Feb;314(2):311–5
Cholinergic modulation of the functional organization of the cat visual cortex. Sillito AM, et al. **Brain Res** 1983 Dec 19;289(1–2):143–55
Pattern reversal visual evoked potentials in awake rats. Boyes WK, et al. **Brain Res Bull** 1983 Jun;10(6):817–23
The 11th J.A.F. Stevenson memorial lecture. Blobs and color vision. Hubel DH, et al. **Can J Physiol Pharmacol** 1983 Dec;61(12):1433–41
A surface antigen that identifies ocular dominance columns in the visual cortex and laminar features of the lateral geniculate nucleus. Hockfield S, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:877–89
Cluster analysis of visual cortical responses evoked by moving lines. Reinis S, et al. **Electroencephalogr Clin Neurophysiol** 1984 Jun; 59(3):195–203
The influence of intermittent light stimulation on potentials evoked by single flashes in photosensitive and non–photosensitive Papio papio. Silva–Barrat C, et al. **Electroencephalogr Clin Neurophysiol** 1984 May; 57(5):448–61
Subdurally recorded pattern and luminance EPs in the alert rhesus monkey. Van der Marel EH, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 57(4):354–68
Orientation shift between upper and lower layers in monkey visual cortex. Bauer R, et al. **Exp Brain Res** 1983; 50(1):133–45
Intracortical processing of visual contour information in cats. Berkley MA, et al. **Exp Brain Res** 1983;50(2–3):397–407
Corticofugal axons in the lateral geniculate nucleus of the cat. Boyapati J, et al. **Exp Brain Res** 1984;53(2):335–40
Response properties of neurons in the visual cortex of the rat. Burne RA, et al. **Exp Brain Res** 1984;53(2):374–83
Effects of luminance and flicker on ocular dominance shift in kitten visual cortex. Daniels JD, et al. **Exp Brain Res** 1984;54(1):186–90
Development of spatial frequency selectivity in striate cortex of vision–deprived cats. Derrington AM. **Exp Brain Res** 1984;55(3):431–7
Binocular responses of cortical cells and the callosal projection in the albino rat. Diao YC, et al. **Exp Brain Res** 1983;49(3):410–8
Alterations in response properties in the lateral and dorsal terminal nuclei of the cat accessory optic system following visual cortex lesions. Grasse KL, et al. **Exp Brain Res** 1984; 55(1):69–80
Contrast sensitivity and orientation selectivity in lamina IV of the striate cortex of Old World monkeys. Hawken MJ, et al. **Exp Brain Res** 1984;54(2):367–72
Spatial summation in the receptive field of simple cells in the cat striate cortex. Heggelund P, et al. **Exp Brain Res** 1983;52(1):87–98
Orientation selectivity and the spatial distribution of enhancement and suppression in receptive fields of cat striate cortex cells. Heggelund P, et al. **Exp Brain Res** 1983; 52(2):235–47
Cryogenic blockade of the visual cortico–thalamic projection in the rat. Kayama Y, et al. **Exp Brain Res** 1984; 54(1):157–65
Effects on binocular activation of cells in visual cortex of the cat following the transection of the optic tract. Lepore F, et al. **Exp Brain Res** 1983;50(2–3):392–6
Cortical and tectal control of visual orientation in the gerbil: evidence for parallel channels. Mlinar EJ, et al. **Exp Brain Res** 1984;55(1):33–48
The role of the visual cortex in response properties of lateral geniculate cells in rats. Molotchnikoff S, et al. **Exp Brain Res** 1984;53(2):223–32
Relation of callosal and striate–extrastriate cortical connections in the rat: morphological definition of extrastriate visual areas. Olavarria J, et al. **Exp Brain Res** 1984;54(2):240–52
Properties of visual cortical cells of the intact and the deafferented hemisphere of unilateral optic tract sectioned acute and chronic adult cats. Podell M, et al. **Exp Brain Res** 1984;55(1):91–6
Thalamic units firing upon refixation may be responsible for plasticity in visual cortex. Schlag J, et al. **Exp Brain Res** 1983;50(1):146–8
Synaptic reorganization in the lateral geniculate nucleus of the adult cat following chronic decortication. Somogyi J, et al. **Exp Brain Res** 1984;54(3):485–98
Role of the flocculus and paraflocculus in optokinetic nystagmus and visual–vestibular interactions: effects of lesions. Waespe W, et al. **Exp Brain Res** 1983;50(1):9–33
Deafferentation of the visual cortex: the effect on cortical cells in normal and in early monocularly deprived cats. Yinon U, et al. **Exp Neurol** 1984 Mar;83(3):486–94
The minimum extent of corpus callosum connections required for normal visual development in the cat. Elberger AJ. **Hum Neurobiol** 1984;3(2):115–20
Temporal and spatial properties of the pattern–reversal VEPs in infants below 2 months of age. Porciatti V. **Hum Neurobiol** 1984;3(2):97–102
A model of the working of a binocular visual system during depth discrimination. Krol' VM. **Hum Physiol** 1983 Jul–Aug;9(4):268–73
Spatial adaptation of the cortical visual evoked potential of the cat. Bonds AB. **Invest Ophthalmol Vis Sci** 1984 Jun; 25(6):640–6
Stereoblind monkeys have few binocular neurons. Crawford ML, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):779–81
Seeing with the visual cortex. Camarda RM. **Ital J Neurol Sci** 1984 Jun;5(2):133–53 (80 ref.)
The development of pyramidal neurons after eye opening in the visual cortex of hooded rats: a quantitative study. Juraska JM. **J Comp Neurol** 1982 Dec 1;212(2):208–13
Relationship between preferred orientation and receptive field position of neurons in extrastriate cortex (area 19) in the cat. Leventhal AG, et al. **J Comp Neurol** 1984 Jan 20;222(3):445–51
Effects of monocular deprivation on geniculocortical synapses in the cat. Tieman SB. **J Comp Neurol** 1984 Jan 10;222(2):166–76
Thalamic projections to visual areas of the middle suprasylvian sulcus in the cat. Tong L, et al. **J Comp Neurol** 1982 Dec 1;212(2):103–17
Subcortical projections of area MT in the macaque. Ungerleider LG, et al. **J Comp Neurol** 1984 Mar 1; 223(3):368–86
Columnar organization of directionally selective cells in visual area MT of the macaque. Albright TD, et al. **J Neurophysiol** 1984 Jan;51(1):16–31
Visual cortical inputs to deep layers of cat's superior colliculus. Berson DM, et al. **J Neurophysiol** 1983 Nov; 50(5):1143–55
Mechanism of directional selectivity in simple neurons of the cat's visual cortex analyzed with stationary flash sequences. Ganz L, et al. **J Neurophysiol** 1984 Feb;51(2):294–324
Effect of eye rotation on visual–field map onto superior colliculus and visual cortex. Gordon B, et al. **J Neurophysiol** 1983 Sep;50(3):618–30
Recovery from effects of brief monocular deprivation in the kitten. Malach R, et al. **J Neurophysiol** 1984 Mar; 51(3):538–51
Effects of deuterium oxide and galvanic vestibular stimulation on visual cortical cell function. Reinis S, et al. **J Neurophysiol** 1984 Mar;51(3):481–99
Receptive–field properties of transcallosal visual cortical neurons in the normal and reeler mouse. Simmons PA, et al. **J Neurophysiol** 1983 Oct;50(4):838–48
Integration of retinal and motor signals of eye movements in striate cortex cells of the alert cat. Toyama K, et al. **J Neurophysiol** 1984 Apr;51(4):649–65
Substantial reduction of cortical noradrenaline by lesions of adrenergic pathway does not prevent effects of monocular deprivation. Daw NW, et al. **J Neurosci** 1984 May; 4(5):1354–60
Anatomy and physiology of a color system in the primate visual cortex. Livingstone MS, et al. **J Neurosci** 1984 Jan; 4(1):309–56
Influence of the visual cortex on responses of retinal ganglion cells in the rat. Molotchnikoff S, et al. **J Neurosci Res** 1983; 10(4):397–409
Orientation bandwidths of spatial mechanisms measured by masking. Phillips GC, et al. **J Opt Soc Am [A]** 1984 Feb; 1(2):226–32
Spatial contrast adaptation characteristics of neurones recorded in the cat's visual cortex. Albrecht DG, et al. **J Physiol (Lond)** 1984 Feb;347:713–39
On the distinctness of simple and complex cells in the visual cortex of the cat. Dean AF, et al. **J Physiol (Lond)** 1983 Nov;344:305–25
Plasticity in the binocular correspondence of striate cortical receptive fields in kittens. Dürsteler MR, et al. **J Physiol (Lond)** 1983 Dec;345:87–105
An intracellular analysis of geniculo–cortical connectivity in area 17 of the cat. Ferster D, et al. **J Physiol (Lond)** 1983 Sep;342:181–215
Spatial summation in subregions of simple–cell receptive

fields in cat striate cortex as a function of slit length. Heggelund P, et al. **J Physiol (Lond)** 1984 Jul;352:327–37
Visual cortical input alters spatial tuning in monkey lateral geniculate nucleus cells. McClurkin JW, et al. **J Physiol (Lond)** 1984 Mar;348:135–52
Electrophysiological correlates of hyperacuity in the human visual cortex. Levi DM, et al. **Nature** 1983 Dec 1–7; 306(5942):468–70
Aging of dendrites in the cerebral cortex of the mouse. Leuba G. **Neuropathol Appl Neurobiol** 1983 Nov–Dec;9(6):467–75
Nasotemporal overlap investigated in a case of agenesis of the corpus callosum. Lines CR. **Neuropsychologia** 1984; 22(1):85–90
Influence of nonspecific thalamic nuclei on individual loci of ensemble formation in the visual brain cortex. Chebkasov SA. **Neurosci Behav Physiol** 1984 May–Jun;14(3):206–11
Rhythm binding by electrical activity in different layers of the cat's visual cortex during conditioned stimulation. Dordzhieva DB. **Neurosci Behav Physiol** 1982 Nov–Dec; 12(6):482–4
Visual and sensomotor cortical unit activity in the presence of dominant food motivation. Grebenyuk LA. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):234–6
Postnatal development of functional influences of cortical association areas on the visual cortex in rabbits. Savchenko EI, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):241–2
Effect of heteromodal stimulation on visual evoked responses in rabbits. Shostak VI. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):83–4
Unit activity in the striate cortex during behavior in response to changes in the visual environment. Shvyrkova NA. **Neurosci Behav Physiol** 1982 Nov–Dec;12(6):470–5
Plastic properties of visual cortical neurons in cats. Silakov VL. **Neurosci Behav Physiol** 1983 Sep–Oct;13(5):385–90
Interhemispheric relations in the cat visual cortex during unilateral polarization and photic stimulation of different intensities. Udalova GP, et al. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):94–101
Change in spatial synchronization of cerebral cortex in mice after development of defensive conditioned reflex. Uteshev VK, et al. **Neurosci Behav Physiol** 1983 Jul–Aug; 13(4):280–2
Participation of monoamines in the mechanisms of hypothalamic regulation of cortical trace processes in rats. Vorob'ev VV, et al. **Neurosci Behav Physiol** 1983 Nov–Dec;13(6):454–8
The visual hyperstriatal region in the chick: potentials evoked by electrical stimuli. Boxer MI, et al. **Neurosci Lett** 1984 Apr 6;45(3):323–8
Multiple sets of visual cortical neurons projecting transitorily through the corpus callosum. Innocenti GM, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):27–32
Deuterium oxide modification of neuronal characteristics in the visual cortex of the cat. Reinis S, et al. **Neurosci Lett** 1983 Aug 8;38(3):269–74
Receptive field characteristics of neurones in striate cortex of newborn lambs and adult sheep. Kennedy H, et al. **Neuroscience** 1983 Oct;10(2):295–300
Colour coding in the cerebral cortex: the responses of wavelength-selective and colour-coded cells in monkey visual cortex to changes in wavelength composition. Zeki S. **Neuroscience** 1983 Aug;9(4):767–81
Colour coding in the cerebral cortex: the reaction of cells in monkey visual cortex to wavelengths and colours. Zeki S. **Neuroscience** 1983 Aug;9(4):741–65
Macaque striate cortex: pattern, movement and colour processing. Kulikowski JJ, et al. **Ophthalmic Physiol Opt** 1984;4(1):77–81
Topical and temporal aspects of cortical responses to pattern reversal. Runge J, et al. **Ophthalmic Res** 1984;16(1–2):80–4
The extent of Panum's area and the human cortical magnification factor. Hampton DR, et al. **Perception** 1983; 12(2):161–5
Microprocessor-based system for spike and eye-movement data acquisition and storage. Battaglini PP, et al. **Pflugers Arch** 1984 Feb;400(2):194–6
The representation of contrast and other stimulus parameters by single neurons in area 17 of the cat. Li CY, et al. **Pflugers Arch** 1984 Jul;401(3):304–14
Visual evoked cortical potentials in the cat after retinal modifications induced by intraocular kainic acid. Sigüenza JA, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):79–83
Segregation of on- and off-center afferents in mink visual cortex. McConnell SK, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1590–3
Subsystems within the visual association cortex as delineated by their thalamic and transcortical affiliations. Berson DM, et al. **Prog Brain Res** 1983;58:229–38
Functional organization of the visual cortex. Gilbert CD, et al. **Prog Brain Res** 1983;58:209–18
Specification of cortical neurons by visuomotor experience. Imbert M, et al. **Prog Brain Res** 1983;58:427–36
The relationship between wavelength and color studied in single cells of monkey striate cortex. Zeki S. **Prog Brain Res** 1983;58:219–27
The Sharpey-Schafer lecture. Morphological basis of visual cortical function. Wiesel TN, et al. **Q J Exp Physiol** 1983 Oct;68(4):525–43 (53 ref.)
Illusory contours and cortical neuron responses. von der Heydt R, et al. **Science** 1984 Jun 15;224(4654):1260–2
Responses of cat visual cortical cells to continuously and stroboscopically illuminated moving light slits compared. Cremieux J, et al. **Vision Res** 1984;24(5):449–57
Functional basis for the preference for slow movement in area 17 of the cat. Duysens J, et al. **Vision Res** 1984; 24(1):17–24
Visual cortical mechanisms responsible for direction selectivity. Ganz L. **Vision Res** 1984;24(1):3–11
Direction asymmetry by moving stimuli and static receptive field plots for simple cells in cat striate cortex. Heggelund P. **Vision Res** 1984;24(1):13–6
Neural interactions of two slits in the orientation domain in the visual cortical units of the cat. Kaji S, et al. **Vision Res** 1983;23(9):883–6
Ocular refraction and visual contrast sensitivity of the rabbit, determined by the VECP. Pak MA. **Vision Res** 1984; 24(4):341–5
Use of Gabor elementary functions to probe receptive field substructure of posterior inferotemporal neurons in the owl monkey. Pollen DA, et al. **Vision Res** 1984;24(3):233–41
Length summation in simple cells of cat striate cortex. Schumer RA, et al. **Vision Res** 1984;24(6):565–71
Cortical mapping and perceptual invariance: a reply to Cavanagh. Schwartz EL. **Vision Res** 1983;23(8):831–5
Spatial mapping of monkey V1 cells with pure color and luminance stimuli. Thorell LG, et al. **Vision Res** 1984; 24(7):751–69
The statistical reliability of signals in single neurons in cat and monkey visual cortex. Tolhurst DJ, et al. **Vision Res** 1983;23(8):775–85
The visual field representation in striate cortex of the macaque monkey: asymmetries, anisotropies, and individual variability. Van Essen DC, et al. **Vision Res** 1984; 24(5):429–48
[Responsive characteristics of the cells of cortex area 18 of the adult cat after chiastomy. Postoperative development; importance of the visual experience] Milleret C, et al. **C R Seances Acad Sci [III]** 1983;297(2):75–80 (Eng. Abstr.) (Fre)
[Synergy of vision and extraocular proprioception in the mechanisms of functional plasticity of the primary visual cortex in the kitten] Trotter Y, et al. **C R Seances Acad Sci [III]** 1983;296(14):665–8 (Eng. Abstr.) (Fre)
[Neuronal activities of the visual field of the cerebral cortex modulated by reserpine-induced PGO waves] Kanamori N. **Nippon Seirigaku Zasshi** 1983;45(7):301–6 (Eng. Abstr.) (Jpn)
[Arrangement and afferent connections of the neurons in the visual cortex differing in the size of the receptive fields] Chebkasov SA. **Biol Nauki** 1984;(3):45–51 (Eng. Abstr.) (Rus)
[Spatial organization of visual cortex neurons during stimulation with light spots] Chebkasov SA. **Fiziol Zh SSSR** 1983 Aug;69(8):1099–1101 (Rus)
[Image discrimination after extirpation of the striatal or the lateral suprasylvian areas of the cerebral cortex in the cat] Prazdnikova NV, et al. **Fiziol Zh SSSR** 1984 Mar; 70(3):265–72 (Eng. Abstr.) (Rus)
[Controlled extirpation of the projection areas of the visual cortex] Shelepin IuE, et al. **Fiziol Zh SSSR** 1984 Feb; 70(2):251–4 (Rus)
[Activity of neurons of the somatosensory and visual cortex in the rabbit during visual field testing and performance of food-getting behavior] Aleksandrov IuI, et al. **Neirofiziologiia** 1984;16(2):254–62 (Eng. Abstr.) (Rus)
[Dynamic and static features of the receptive fields of neurons of the lateral suprasylvian area of the cat cortex] Dzhavadian RL, et al. **Neirofiziologiia** 1984;16(1):116–23 (Eng. Abstr.) (Rus)
[Orientational tuning of visual cortex neurons to different stimulus intensities in the cat] Lazareva NA, et al. **Neirofiziologiia** 1983;15(4):347–54 (Eng. Abstr.) (Rus)
[Characteristics of the response of rabbit visual cortex neurons to intracortical electric stimulation] Polianskiĭ VB, et al. **Neirofiziologiia** 1983;15(4):412–9 (Eng. Abstr.) (Rus)
[Correlation of topographic and spatial-frequency characteristics of the lateral suprasylvian region and the striate cortex in the cat] Shelepin IuE. **Neirofiziologiia** 1984; 16(1):35–41 (Eng. Abstr.) (Rus)
[Features of the dynamic reorganization of the receptive fields of visual neurons of the cerebral cortex and lateral geniculate body in the cat in response to changes in the parameters of photic stimulation] Shevelev IA, et al. **Neirofiziologiia** 1983;15(4):339–46 (Eng. Abstr.) (Rus)
[Double orientation tuning of visual cortex neurons in the cat] Shevelev IA, et al. **Neirofiziologiia** 1983;15(5):459–65 (Eng. Abstr.) (Rus)
[Responses of neurons of a chronically isolated strip of cat auditory cortex to intracortical stimulation during paroxysmal electrical activity] Taranenko VD, et al. **Neirofiziologiia** 1984;16(1):3–11 (Eng. Abstr.) (Rus)
[Differences in the dynamics of the visual receptive field and its summation zones in the cat] Volgushev MA, et al. **Neirofiziologiia** 1983;15(5):466–72 (Eng. Abstr.) (Rus)
[Evoked potentials to sound in the visual cortex in the cat] Babenko VV, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug; 33(4):717–22 (Eng. Abstr.) (Rus)
[Phasic reactions to a flash of light in a microvolume of the visual cortex during stimulation of the midbrain reticular formation] Iakupova LP. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):160–2 (Rus)
[Interaction of various types of opiate receptors of cortical neurons in the turtle during activation by specific agonists] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr; 34(2):317–22 (Eng. Abstr.) (Rus)
[Relation between characteristics of visual cortex neuronal responses and the strength of electrical stimulation in the rabbit] Polianskiĭ VB, et al. **Zh Vyssh Nerv Deiat** 1983 Nov–Dec;33(6):1159–62 (Rus)
[Mechanisms of visual generalization] Prazdnikova NV, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):839–46 (Eng. Abstr.) (Rus)
[Functional organization of neurons in different microportions of the visual cortex in the cat] Rapoport SSh, et al. **Zh Vyssh Nerv Deiat** 1983 Jul–Aug;33(4):732–6 (Eng. Abstr.) (Rus)
[Comparative analysis of the latent periods of adjacent neurons in microareas of the visual cortex] Sil'kis IG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):877–84 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Identification of penicillin diffusion at the onset of epileptogenesis in the cat striate cortex following differential laminar microinjection. Chatt AB, et al. **Brain Res** 1984 Jan 9;290(2):361–6
Response of the cortically blind hemifields to a moving visual scene. Pizzamiglio L, et al. **Cortex** 1984 Mar;20(1):89–99
Effects of neonatally induced strabismus on binocular responses in cat area 18. Cynader M, et al. **Exp Brain Res** 1984;53(2):384–99
Natural strabismus in non-Siamese cats: lack of binocularity in the striate cortex. von Grünau MW, et al. **Exp Brain Res** 1983;52(2):307–10
Electrophysiological detection of aniseikonia. Lovasik JV, et al. **J Am Optom Assoc** 1984 Jul;55(7):499–504
On the possible role of temporal delays of afferent processing in Parkinson's disease. Bodis-Wollner I, et al. **J Neural Transm [Suppl]** 1983;19:243–52
Interactions between cortical and subcortical visual areas: evidence from human commissurotomy patients. Holtzman JD. **Vision Res** 1984;24(8):801–13
[Statistical VEP analysis for approximate determination of latency distribution of visually evoked single cortical stimulus responses] Emskötter T, et al. **EEG EMG** 1984 Jun;15(2):82–7 (Eng. Abstr.) (Ger)
[Clinical significance of increased reaction to photostimulation in the alpha frequency range] Scheuler W. **EEG EMG** 1983 Sep;14(3):143–53 (Eng. Abstr.) (Ger)
[Phosphenes in the hemianopic field] Kölmel HW. **Fortschr Ophthalmol** 1983;80(2):111–2 (Eng. Abstr.) (Ger)
[Neurophysiologic remarks on the central nervous system principles of vision] Singer W. **Fortschr Ophthalmol** 1983; 80(5):355–9 (Eng. Abstr.) (Ger)
[Evoked potentials of the brain in patients with disseminated sclerosis] Sokolova LI. **Vrach Delo** 1984 Jun;(6):102–4 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Cortical blindness following bacterial meningitis: a case report with reassessment of prognosis and aetiology. Ackroyd RS. **Dev Med Child Neurol** 1984 Apr;26(2):227–30

RADIONUCLIDE IMAGING

Human primary visual cortex topography imaged via positron tomography. Schwartz EL, et al. **Brain Res** 1984 Mar 5;294(2):225–30

ULTRASTRUCTURE

Morphological characteristics of neocortical laminae when studied in tangential semithin sections through the visual cortex of the rabbit. Schmolke C, et al. **Anat Embryol (Berl)** 1984;169(2):125–32
Serotonin nerve fibers in the primary visual cortex of the monkey. Quantitative and immunoelectronmicroscopical analysis. Takeuchi Y, et al. **Anat Embryol (Berl)** 1984; 169(1):1–8
Synaptic connections of morphologically identified and physiologically characterized large basket cells in the striate cortex of cat. Somogyi P, et al. **Neuroscience** 1983 Oct;10(2):261–94

VISUAL EVOKED RESPONSE see **EVOKED POTENTIALS, VISUAL**

VISUAL FIELDS

see related
PERIMETRY

The visual field after trabeculectomy. A follow-up study using computerized perimetry. Holmin C, et al. **Acta Ophthalmol (Copenh)** 1984 Apr;62(2):230–4
Visual recovery after treatment for pituitary adenoma. Lennerstrand G. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1104–17
Pseudopapilloedema with and without verified optic disc drusen. A clinical analysis II: visual fields. Mustonen E. **Acta Ophthalmol (Copenh)** 1983 Dec;61(6):1057–66
Brief stimuli localization in visual periphery. Mateeff S, et al. **Acta Physiol Pharmacol Bulg** 1984;10(1):64–71

Cortical magnification factor and contrast sensitivity to luminance-modulated chromatic gratings. Rovamo J. **Acta Physiol Scand** 1983 Dec;119(4):365–71

Perception of signals presented in the periphery of the visual field. Houtmans MJ, et al. **Acta Psychol (Amst)** 1984 Mar; 55(2):143–55

Comparison of visual field defects in the low-tension glaucomas with those in the high-tension glaucomas. Caprioli J, et al. **Am J Ophthalmol** 1984 Jun;97(6):730–7

Congruous and incongruous sectoral visual field defects with lesions of the lateral geniculate nucleus. Shacklett DE, et al. **Am J Ophthalmol** 1984 Sep 15;98(3):283–90

Visual field defects in idiopathic intracranial hypertension (pseudotumor cerebri). Wall M, et al. **Am J Ophthalmol** 1983 Nov;96(5):654–69

Variation in visual field measurements with an automated perimeter. Wilensky JT, et al. **Am J Ophthalmol** 1984 Mar; 97(3):328–31

Does reduction of intraocular pressure (IOP) prevent visual field loss in glaucoma? Cockburn DM. **Am J Optom Physiol Opt** 1983 Aug;60(8):705–11

Horopter shifts due to a magnification change. Reading RW. **Am J Optom Physiol Opt** 1984 May;61(5):310–7

Effect of luminance on scotomas. Woo GC, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):284–8

Visual disturbance due to internal carotid aneurysm. Takahashi T, et al. **Ann Ophthalmol** 1983 Nov; 15(11):1014–5, 1017–24

Right hemifield alexia without hemianopia. Castro-Caldas A, et al. **Arch Neurol** 1984 Jan;41(1):84–7

Computerized video screen perimetry. Accornero N, et al. **Arch Ophthalmol** 1984 Jan;102(1):40–1

Early foveal involvement and generalized depression of the visual field in glaucoma. Anctil JL, et al. **Arch Ophthalmol** 1984 Mar;102(3):363–70

Retinal boundaries and visual function in gyrate atrophy. Enoch JM, et al. **Arch Ophthalmol** 1984 Sep;102(9):1314–6

Negative-lens field expander for patients with concentric field constriction. Kozlowski JM, et al. **Arch Ophthalmol** 1984 Aug;102(8):1182–4

Visual field defects in ocular hypertension and glaucoma. Neima D, et al. **Arch Ophthalmol** 1984 Jul;102(7):1042–5

Neurophysiologic basis of color perimetry [letter] Paulus WM. **Arch Ophthalmol** 1984 Apr;102(4):508

Variability of visual field measurements in normal subjects and patients with retinitis pigmentosa. Ross DF, et al. **Arch Ophthalmol** 1984 Jul;102(7):1004–10

Personal organization of the visual field: a study of ambient to focal reports of threatening stimuli. Westerlundh B. **Arch Psychol (Frankf)** 1983;135(1):17–35

Pilot disorientation and the use of a peripheral vision display. The 1983 Annual Harry G. Armstrong Lecture. Malcolm R. **Aviat Space Environ Med** 1984 Mar;55(3): 231–8

Upper visual space neglect and motor deficits after section of the midbrain commissures in the cat. Matelli M, et al. **Behav Brain Res** 1983 Dec;10(2–3):263–85

Numerosity judgments in peripheral vision: limitations of the cortical magnification hypothesis. Parth P, et al. **Behav Brain Res** 1984 Mar;11(3):241–8

An attempt to explain the differences between the upper and lower halves of the striate cortical map of the cat's field of view. Epstein LI. **Biol Cybern** 1984;49(3):175–7

Peripheral vision and perceived visual direction. Mateeff S, et al. **Biol Cybern** 1983;49(2):111–8

Evaluation of the Friedmann Visual Field Analyser Mark II. Part 1. Results from a normal population. Henson DB, et al. **Br J Ophthalmol** 1984 Jul;68(7):458–62

Evaluation of the Friedmann Visual Field Analyser Mark II. Part 2. Results from a population with induced visual field defects. Henson DB, et al. **Br J Ophthalmol** 1984 Jul; 68(7):463–7

Identification of glaucomatous visual field defects from examination of monocular photographs of the optic disc. Hitchings RA, et al. **Br J Ophthalmol** 1983 Dec; 67(12):822–5

A comparative study of visual field defects seen in patients with low-tension glaucoma and chronic simple glaucoma. Hitchings RA, et al. **Br J Ophthalmol** 1983 Dec; 67(12):818–21

Suppression in strabismus--an update. Pratt-Johnson JA, et al. **Br J Ophthalmol** 1984 Mar;68(3):174–8

Balance between pattern and flicker sensitivities in the visual fields of ophthalmological patients. Regan D, et al. **Br J Ophthalmol** 1984 May;68(5):310–5

The visual field in alternating hyperphoria. Fusco R, et al. **Bull Soc Belge Ophtalmol** 1982;203:123–8

Relationship between baring of circumlinear vessels of the optic disc and glaucomatous visual field loss. Balazsi G, et al. **Can J Ophthalmol** 1983 Dec;18(7):333–6

The Peritest automatic perimeter in screening for glaucomatous visual field defects. Douglas GR. **Can J Ophthalmol** 1983 Dec;18(7):318–20

The effects of sensory limitations on hemispheric processing. Sergent J. **Can J Psychol** 1983 Sep;37(3):345–66

Position response bias in visual field recognition. Hines D. **Cortex** 1984 Jun;20(2):303–6

Visual field, exposure duration, and sex as factors in the perception of emotional facial expressions. Thompson IK. **Cortex** 1983 Sep;19(3):293–308

Directional scanning or reporting preferences are not the cause of visual hemifield x report interactions. Young AW, et al. **Cortex** 1983 Dec;19(4):475–80

Perimetry, today and tomorrow. Enoch JM. **Doc Ophthalmol** 1983 Sep 30;55(4):307–22

Examination of the peripheral field of vision with the waterfall phenomenon (motion stop reverse illusion). Rempt F, et al. **Doc Ophthalmol** 1983 Sep 30;55(4):351–60

Lateral hemifield flickering pattern stimulation in a patient with pattern-sensitive epilepsy. Takahashi T. **Epilepsia** 1983 Oct;24(5):548–56

Representation of the binocular visual field in the superior colliculus of the albino rat. Diao YC, et al. **Exp Brain Res** 1983;52(1):67–72

Suppressive regions in the visual receptive fields of single cells of the pigeon's optic tectum. Leresche N, et al. **Exp Brain Res** 1984;53(2):327–34

Source-density mapping of human visual receptive fields using scalp electrodes. MacKay DM. **Exp Brain Res** 1984; 54(3):579–81

Adaptive sensitivity of the surround mechanism of cat retinal ganglion cells. Robertson TW, et al. **Exp Brain Res** 1983; 52(3):449–54

Disc changes and field changes in glaucoma (a correlative study). Khandekar R, et al. **Indian J Ophthalmol** 1983 Sep; 31(5):607–8

Selective inhibition of vocal reaction time to aversive words in the left visual field. Martin DG, et al. **Int J Neurosci** 1984 Jun;23(3):177–85

Color contrast perimetry. Hart WM Jr, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):400–13

Automated perimetry--what is it? Who needs it? Elman JW. **J Am Optom Assoc** 1984 Feb;55(2):119–21

A functional interpretation of the visual fields of low vision patients. Jose R, et al. **J Am Optom Assoc** 1983 Oct; 54(10):885–93

An inexpensive projectorlite for visual fields. Mitchell JM. **J Clin Neuro Ophthalmol** 1984 Mar;4(1):57–8

The representation of the visual field in parvicellular and magnocellular layers of the lateral geniculate nucleus in the macaque monkey. Connolly M, et al. **J Comp Neurol** 1984 Jul 10;226(4):544–64

Relationship between preferred orientation and receptive field position of neurons in extrastriate cortex (area 19) in the cat. Leventhal AG, et al. **J Comp Neurol** 1984 Jan 20;222(3):445–51

The visual field representation of the rat ventral lateral geniculate nucleus. Nagata T, et al. **J Comp Neurol** 1984 Aug 20;227(4):582–8

Axons connecting somata and axon terminals of luminosity-type horizontal cells in the turtle retina: receptive field studies and intracellular injections of HRP. Ohtsuka T. **J Comp Neurol** 1983 Oct 20;220(2):191–8

Sources of visual field interference in children and adults. Miller LK. **J Exp Child Psychol** 1984 Feb;37(1):141–57

Parafoveal identification asymmetry in a lateral masking effect. Chastain G. **J Gen Psychol** 1983 Jul;109(1st Half):77–81

Posterior cerebral artery occlusion without hemianopia. John K, et al. **J Natl Med Assoc** 1984 May;76(5):509, 514–5

Receptive-field properties of transcallosal visual cortical neurons in the normal and reeler mouse. Simmons PA, et al. **J Neurophysiol** 1983 Oct;50(4):838–48

Contribution of the cortico-claustral loop to receptive field properties in area 17 of the cat. Sherk H, et al. **J Neurosci** 1983 Nov;3(11):2121–7

Increment thresholds with various low background intensities at different locations in the peripheral retina. Lelkens AM, et al. **J Opt Soc Am** 1983 Oct;73(10):1372–8

Detection of coherent movement in peripherally viewed random-dot patterns. van de Grind WA, et al. **J Opt Soc Am** 1983 Dec;73(12):1674–83

Spectral sensitivity and wavelength discrimination of the human peripheral visual field. van Esch JA, et al. **J Opt Soc Am [A]** 1984 May;1(5):443–50

Detection of light and flicker at low luminance levels in the human peripheral visual system. I. Psychophysical experiments. Zuidema P, et al. **J Opt Soc Am [A]** 1984 Jul;1(7):764–74

The structural correlate of the receptive field centre of alpha ganglion cells in the cat retina. Peichl L, et al. **J Physiol (Lond)** 1983 Aug;341:309–24

Colobomatous dysplasia of optic disk with homonymous field defect and epilepsy. Singh J, et al. **Jpn J Ophthalmol** 1984; 28(1):31–5

Functional signs [editorial] **Lancet** 1983 Oct 15;2(8355):891–2

Tunnel vision [letter] Ellenberger C Jr. **Neurology (NY)** 1984 Jan;34(1):129

Pigeon's eyes converge during feeding: evidence for frontal binocular fixation in a lateral-eyed bird. Martinoya C, et al. **Neurosci Lett** 1984 Apr 6;45(3):335–9

Receptive field characteristics of neurones in striate cortex of newborn lambs and adult sheep. Kennedy H, et al. **Neuroscience** 1983 Oct;10(2):295–300

Visual field data [editorial] **Ophthalmic Physiol Opt** 1983; 3(2):89–91

The perceived size of targets in the peripheral and central visual fields. Bedell HE, et al. **Ophthalmic Physiol Opt** 1984; 4(2):123–31

Information concerning colour derived from a single boundary. Ditchburn RW, et al. **Ophthalmic Physiol Opt** 1983;3(3):233–8

The use of the Friedmann central field analyser in general optometric practice. Pitman CR. **Ophthalmic Physiol Opt** 1983;3(2):153–66

Equipotential maps of pattern-evoked potentials in man. Adachi-Usami E. **Ophthalmic Res** 1984;16(1–2):73–9

A comparison of visual field loss in primary open-angle glaucoma and the secondary glaucomas. Lewis RA, et al. **Ophthalmologica** 1984;189(1–2):41–8

Pituitary tumors and the ophthalmologist. Anderson D, et al. **Ophthalmology** 1983 Nov;90(11):1265–70

Color perimetry of glaucomatous visual field defects. Hart WM Jr, et al. **Ophthalmology** 1984 Apr;91(4):338–46

A comparison of Goldmann, Fieldmaster 200, and Dicon AP2000 perimeters used in a screening mode. Mills RP. **Ophthalmology** 1984 Apr;91(4):347–54

How effective is perimetry in current practice? Trobe JD. **Ophthalmology** 1983 Nov;90(11):1380–3

Three-dimensional topography of the central visual field. Sparing of foveal sensitivity in macular disease. Hart WM Jr, et al. **Ophthalmology (Rochester)** 1983 Aug; 90(8):1028–38

Effects of laterality and visual angle on time judgments: a phenomenological investigation of time durations. Mandes E. **Percept Mot Skills** 1984 Feb;58(1):307–10

Effects of type of center fixation stimulus on visual-field preferences: a preliminary study. Moore WH Jr, et al. **Percept Mot Skills** 1983 Oct;57(2):363–6

Individual variation in directional bias in visual perception. Annett M. **Perception** 1983;12(1):71–84

Effects of brightness, hue, and saturation on perceived depth between adjacent regions in the visual field. Egusa H. **Perception** 1983;12(2):167–75

The extent of Panum's area and the human cortical magnification factor. Hampton DR, et al. **Perception** 1983; 12(2):161–5

Position in the visual field and spatial expansion. Hotopf WH, et al. **Perception** 1983;12(4):469–76

Orientation sensitivity in the peripheral visual field. Spinelli D, et al. **Perception** 1984;13(1):41–7

Parafoveal words are effective in both hemifields: preattentive processing of semantic and phonological codes. Underwood G, et al. **Perception** 1983;12(2):213–21

Task and contrast effects on performance with parafoval stimulus pairs. Chastain G. **Psychol Res** 1983;45(2):147–56

Outline and description of an electronic system for lateralization of visual stimuli in studies of hemispheric asymmetry. Larsson LE, et al. **Scand J Psychol** 1983; 24(4):267–75

Visual screening via television. Flocks M. **Surv Ophthalmol** 1983 Nov-Dec;28(3):184–7

Screening for visual field abnormalities with automated perimetry. Keltner JL, et al. **Surv Ophthalmol** 1983 Nov-Dec;28(3):175–83

Cost-benefit analysis in screening. Unexplained visual loss. Trobe JD, et al. **Surv Ophthalmol** 1983 Nov-Dec; 28(3):189–93

Visual fields in posterior chiasmal angle lesions. Suckling RD. **Trans Ophthalmol Soc NZ** 1984;36:23–4

The receptive field organization of X-cells in the cat: spatiotemporal coupling and asymmetry. Dawis S, et al. **Vision Res** 1984;24(6):549–64

Interactions between cortical and subcortical visual areas: evidence from human commissurotomy patients. Holtzman JD. **Vision Res** 1984;24(8):801–13

The detection of motion in the peripheral visual field. McKee SP, et al. **Vision Res** 1984;24(1):25–32

The retinal binocular field of the pigeon (Columba livia: English racing homer). Martin GR, et al. **Vision Res** 1983; 23(9):911–5

The visual field representation in striate cortex of the macaque monkey: asymmetries, anisotropies, and individual variability. Van Essen DC, et al. **Vision Res** 1984; 24(5):429–48

Spatiotemporal contrast sensitivity and visual field locus. Wright MJ, et al. **Vision Res** 1983;23(10):983–9

[Optico-chiasma conflict of anterior polygonal origin (campimetric changes and attempt at physiopathogenic explanation] Auch-Roy-Mainguy S, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:241–9 **(Fre)**

[Study of peripheral visual fields in the patient with an intraocular lens] Bec P, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:50–1 **(Fre)**

[Quantitative study of changes in the central static visual field] Matsuo H, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:225–30 **(Fre)**

[Automatic topography of the central visual field (between 20) of glaucoma patients] Taverniti L, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:571–3 **(Fre)**

[Modern perimetry: automatic or manual?] Etienne R, et al. **J Fr Ophtalmol** 1983;6(11):927–32 (Eng. Abstr.) **(Fre)**

[Quantitative analysis of visual field deficits] Lavergne G. **J Fr Ophtalmol** 1983;6(11):933–9 **(Fre)**

[Dissociation of visual evoked responses to hemi-field or full-field flash-checkerboard stimulation] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Jun;14(1):39–43 (Eng. Abstr.) **(Fre)**

[Visual field examination using the Delta program of the Octopus computer perimeter] Faschinger C. **Fortschr Ophthalmol** 1984;81(2):189–90 (Eng. Abstr.) **(Ger)**

[Psychophysical studies of visual function] Rentschler I. **Fortschr Ophthalmol** 1983;80(5):409–14 (Eng. Abstr.) **(Ger)**

[Residual binocularity in the peripheral visual field of amblyopes and alternators: a psychophysical study]

Sireteanu R, et al. **Fortschr Ophthalmol** 1983;80(4):271–4 (Eng. Abstr.) **(Ger)**

[What new knowledge has automated perimetry with the Octopus brought on glaucomatous visual field changes?] Gloor B, et al. **Klin Monatsbl Augenheilkd** 1984 Apr; 184(4):249–53 (Eng. Abstr.) **(Ger)**

[Correspondence of foveal and peripheral areas in subjects with intact binocular vision and patients with strabismus] Haase W, et al. **Klin Monatsbl Augenheilkd** 1984 Jan; 184(1):32–6 (Eng. Abstr.) **(Ger)**

[What do glaucomatous visual fields really look like?] Stürmer J, et al. **Klin Monatsbl Augenheilkd** 1984 May; 184(5):390–3 (Eng. Abstr.) **(Ger)**

[The functionally one-eyed professional driver] Maag F, et al. **Praxis** 1983 Oct 18;72(42):1333–7 (Eng. Abstr.) **(Ger)**

[Sequential observation of visual fields in glaucoma with Friedmann analyser 2] Hamano H, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1480–8 (Eng. Abstr.) **(Jpn)**

[Correlation between glaucomatous optic disc and visual field defects. II. Quantitative evaluation] Okubo K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Feb;88(2):332–7 (Eng. Abstr.) **(Jpn)**

[Abnormality of visual field in pathological myopia] Sato Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jun; 88(6):977–82 (Eng. Abstr.) **(Jpn)**

[Visual field differences in a letter classification task in unilateral and bilateral presentation conditions] Ohtani Y. **Shinrigaku Kenkyu** 1984 Apr;55(1):55–9 (Eng. Abstr.) **(Jpn)**

[Effect of surgical treatment on the visual field in advanced glaucoma] Kałużny J, et al. **Klin Oczna** 1983 Oct; 85(10):349–51 (Eng. Abstr.) **(Pol)**

[Prognosis of simple chronic glaucoma with a tubular field] Radian AB, et al. **Rev Chir [Oftalmol]** 1984 Jan–Mar; 28(1):17–20 (Eng. Abstr.) **(Rum)**

[Effect of train work on the status of the peripheral color visual fields of locomotive brigade workers] Sosnova TL. **Gig Tr Prof Zabol** 1983 Aug;(8):51–2 **(Rus)**

[Activity of neurons of the somatosensory and visual cortex in the rabbit during visual field testing and performance of food-getting behavior] Aleksandrov IuI, et al. **Neirofiziologiia** 1984;16(2):254–62 (Eng. Abstr.) **(Rus)**

[Preliminary method of studying field of vision] Sergienko NM. **Oftalmol Zh** 1983;(8):499–500 **(Rus)**

DRUG EFFECTS

Static perimetry in chloroquine retinopathy. Perifoveal patterns of visual field depression. Hart WM Jr, et al. **Arch Ophthalmol** 1984 Mar;102(3):377–80

Effect of the antihypoxant–sodium hydroxybutyrate on visual functions and oxidative processes in glaucoma patients. Zaretskaya RB, et al. **Metab Pediatr Syst Ophthalmol** 1983; 7(4):189–94

VISUAL MOTOR COORDINATION see **PSYCHOMOTOR PERFORMANCE**

VISUAL PATHWAYS

Involvement of the optic chiasm, optic tract and geniculo-calcarine visual system in multiple sclerosis. Beck RW, et al. **Bull Soc Belge Ophtalmol** 1983 Nov;208:159–91

Visual response properties in the tectorecipient zone of the cat's lateral posterior–pulvinar complex: a comparison with the superior colliculus. Chalupa LM, et al. **J Neurosci** 1983 Dec;3(12):2587–96

The connections of the middle temporal visual area (MT) and their relationship to a cortical hierarchy in the macaque monkey. Maunsell JH, et al. **J Neurosci** 1983 Dec; 3(12):2563–86

Retinotectal pathways in rodents: particularly from the retinal ganglion cells to the inferior colliculus. Zhang AB. **Taiwan I Hsueh Hui Tsa Chih** 1984 [illegible];83(1):1–8

[Dissociation of visual evoked responses to hemi-field or full-field flash-checkerboard stimulation] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Jun;14(1):39–43 (Eng. Abstr.) **(Fre)**

ANALYSIS

Visual and auditory pathways contain cholecystokinin: evidence from immunofluorescence and retrograde tracing. Fallon JH, et al. **Neurosci Lett** 1984 Mar 9;45(1):81–7

ANATOMY & HISTOLOGY

Retinal projections of the pigmented guinea pig. Lázár G. **Acta Biol Hung** 1983;34(2–3):207–13

Retinotopic organization of the lateral suprasylvian area of the cat. Djavadian RL, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):251–62

A whole-mount horseradish peroxidase study of the retinal central projection in normal and monocular rats. Murabe Y, et al. **Anat Embryol (Berl)** 1983;168(2):151–8

Reticulospinal and vestibulospinal pathways in the snake Python regius. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1983;168(2):277–89

Some neural connections subserving binocular vision in ungulates. Pettigrew JD, et al. **Brain Behav Evol** 1984; 24(2–3):65–93

Evidence for a laminar organization of basal forebrain afferents to the visual cortex. Rieck R, et al. **Brain Res** 1984 Apr 16;297(2):374–80

Fiber connections and synaptic organization of the preoptic retinopetal nucleus in the filefish (Balistidae, Teleostei). Uchiyama H, et al. **Brain Res** 1984 Apr 23;298(1):11–24

Morphological aspects of the teleostean visual system: a review. Vanegas H, et al. **Brain Res** 1983 Oct;287(2):117–37 (100 ref.)

Organization of the visual thalamus: corticothalamic projections from the primary visual area in the opossum. Linden R, et al. **Braz J Med Biol Res** 1983 Oct;16(3):247–60

Mapping of functional activity in the falcon visual system with [14C] 2-deoxyglucose. Bagnoli P, et al. **Exp Brain Res** 1984;53(2):217–22

Contralateral corticofugal projections to cat visual thalamus. Payne BR, et al. **Exp Brain Res** 1984;53(2):462–6

Relation of the parabigeminal nucleus to the superior colliculus and dorsal lateral geniculate nucleus in the hooded rat. Sefton AJ, et al. **Exp Brain Res** 1984; 56(1):144–8

Pretectal and brain stem projections of the medial terminal nucleus of the accessory optic system of the rabbit and rat as studied by anterograde and retrograde neuronal tracing methods. Giolli RA, et al. **J Comp Neurol** 1984 Aug 1;227(2):228–51

Abnormal central visual pathways in the brain of an albino green monkey (Cercopithecus aethiops). Guillery RW, et al. **J Comp Neurol** 1984 Jun 20;226(2):165–83

The accessory optic system of rodents: a whole-mount HRP study. Terubayashi H, et al. **J Comp Neurol** 1984 Aug 1; 227(2):285–95

Retinotopic patterns of connections of area 17 with visual areas V–II and MT in macaque monkeys. Weller RE, et al. **J Comp Neurol** 1983 Nov 1;220(3):253–79

Connections of the multiple visual cortical areas with the lateral posterior–pulvinar complex and adjacent thalamic nuclei in the cat. Raczkowski D, et al. **J Neurosci** 1983 Oct;3(10):1912–42

A pretectal projection upon the accessory optic nucleus in the pigeon: an anatomical and electrophysiological study. Azevedo TA, et al. **Neurosci Lett** 1983 Dec 23;43(1):13–8

Ipsilateral projections to the terminal nuclei of the accessory optic system in the albino rat. Wree A, et al. **Neurosci Lett** 1983 Dec 23;43(1):19–24

[Subcortical projections of the visual cortex in the adult albino rat and during postnatal development] Schober W, et al. **Z Mikrosk Anat Forsch** 1983;97(5):797–815 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Visual field defect and angiographic and tomodensitometric findings: observations in a case of ischemic softening in the territory of the posterior cerebral artery] Mamoli A, et al. **Riv Neurobiol** 1983 Oct–Dec;29(4):539–45 (Eng. Abstr.) **(Ita)**

CYTOLOGY

A functional model of the wiring of the simple cells of visual cortex. Nielsen DE. **Biol Cybern** 1983;47(3):213–22

A quantitative correlation of contour sensitivity with dendritic density in an identified visual neuron. Kirk MD, et al. **Brain Res** 1983 Sep 12;274(2):231–7

Dorsotemporal retinal ganglion cell axons of goldfish are located in the dorsal rather than ventral optic tract. Springer AD, et al. **Brain Res** 1983 Aug 22;273(1):152–5

Retinal projections to the lateral hypothalamus and lateroposterior pulvinar nuclear complex in the rat. Shen CL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Nov; 82(11):1093–8

EMBRYOLOGY

Prenatal development of functional connections in the cat's retinogeniculate pathway. Shatz CJ, et al. **J Neurosci** 1984 May;4(5):1378–97

The topography of the initial retinotectal projection. Holt CE. **Prog Brain Res** 1983;58:339–45

Structural analysis of fiber organization during development. Rager G. **Prog Brain Res** 1983;58:313–9

GROWTH & DEVELOPMENT

The development of callosal projections in normal and one-eyed rats. Lund RD, et al. **Brain Res** 1984 May; 316(1):139–42

The development and restriction of the ipsilateral retinofugal projection in the chick. O'Leary DM, et al. **Brain Res** 1983 Oct;312(1):93–109

Human visual development over the first 6 months of life. A review and a hypothesis. Atkinson J. **Hum Neurobiol** 1984;3(2):61–74 (186 ref.)

Visual development. Fiorentini A. **Hum Neurobiol** 1984; 3(2):59–60

Structural development of the visual system of man. Garey LJ. **Hum Neurobiol** 1984;3(2):75–80 (61 ref.)

Neuronal mechanisms of developmental plasticity in the cat's visual system. Rauschecker JP. **Hum Neurobiol** 1984; 3(2):109–14

Induction of the ipsilateral retinothalamic projection in Xenopus laevis by thyroxine. Hoskins SG, et al. **Nature** 1984 Feb 23–29;307(5953):730–3

Ganglion cell death during development of ipsilateral retino-collicular projection in golden hamster. Insausti R, et al. **Nature** 1984 Mar 22–28;308(5957):362–5

Fiber–fiber interaction and tectal cues influence the development of the chicken retinotectal projection. Thanos S, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(6):1906–10

IMMUNOLOGY

Monoclonal antibody that identifies subsets of neurones in the central visual system of monkey and cat. Hendry SH, et al. **Nature** 1984 Jan 19–25;307(5948):267–9

METABOLISM

[14C]deoxyglucose uptake of the rat visual centres under monocular optokinetic stimulation. Biral G, et al. **Behav Brain Res** 1984 Mar;11(3):271–5

Effect of early unilateral visual deprivation on cholinergic muscarinic receptors and acetylcholinesterase in chick optic lobe. Jerusalinsky DA, et al. **Brain Res** 1984 Jun; 316(2):279–83

Orthograde axonal and transcellular transport of different fluorescent tracers in the primary visual system of the rat. Weidner C, et al. **Brain Res** 1983 Aug 1;272(1):129–36

The transneuronal transport of proline within the mouse visual system: some characteristics of the [3H]-proline containing material. Reinis S, et al. **Brain Res Bull** 1984 Mar;12(3):339–42

Effect of impulse blockage on cytochrome oxidase activity in monkey visual system. Wong-Riley M, et al. **Nature** 1984 Jan 19–25;307(5948):262–4

PHYSIOLOGY

Visually guided behaviour of cats in the absence of retino-geniculo-cortical pathways. Norrsell K. **Acta Ophthalmol [Suppl] (Copenh)** 1983;160:1–99

Maintained binocular connexions to perigeniculate neurones in visually deprived cats. Ahlsén G, et al. **Acta Physiol Scand** 1983 Sep;119(1):109–12

Visually guided switching of forelimb target reaching in cats. Alstermark B, et al. **Acta Physiol Scand** 1984 Jan; 120(1):151–3

The accessory optic system. Simpson JI. **Annu Rev Neurosci** 1984;7:13–41 (136 ref.)

Why do we measure contrast sensitivity? Campbell FW. **Behav Brain Res** 1983 Oct;10(1):87–97

Flicker sensitivity changes after subcortical visual system lesions in the rat. Legg CR, et al. **Behav Brain Res** 1983 Dec;10(2–3):311–24

Comparison of acuity tests and pattern evoked potential criteria: two mechanisms underly acuity maturation in man. Spekreijse H. **Behav Brain Res** 1983 Oct;10(1):107–17

Overlap of retinal and prestriate cortical pathways in the primate pretectum. Dineen JT, et al. **Brain Res** 1983 Nov 14;278(1–2):250–4

Organization of projections from the superior colliculus to the thalamic lateral posterior nucleus in the rat. Donnelly JF, et al. **Brain Res** 1983 Dec 12;288(1–2):315–9

Opponent-color responses in macaque extrageniculate visual pathways: the lateral pulvinar. Felsten G, et al. **Brain Res** 1983 Dec 12;288(1–2):363–7

Target regulation of protein biosynthesis in retinal ganglion cells during regeneration of the goldfish visual system. Giulian D. **Brain Res** 1984 Mar 26;296(1):198–201

Anterograde axoplasmic transport of peroxidase in the rat visual system after intraocular neurotoxin injection. Gomez-Ramos P, et al. **Brain Res** 1984 Jan 9;290(2):211–8

Light responsiveness of the suprachiasmatic nucleus within the island with the retino-hypothalamic tract spared. Inouye ST. **Brain Res** 1984 Mar 5;294(2):263–8

Visual receptive thalamopetal neurons in the optic tectum of teleosts (Holocentridae). Ito H, et al. **Brain Res** 1984 Jan 9;290(2):201–10

An anterograde HRP study of the retinocollicular pathways in normal hamsters and hamsters with one eye enucleated at birth. Jen LS, et al. **Brain Res** 1984 Feb 27;294(1):169–73

Inhibition of non-neuronal cell proliferation in the goldfish visual pathway affects the regenerative capacity of the retina. Neuman D, et al. **Brain Res** 1983 Aug 8; 272(2):237–45

Neuronal pathway from flocculer caudal zone contributing to vertical eye movements in cats—role of group y nucleus of vestibular nuclei. Sato Y, et al. **Brain Res** 1984 Mar 5;294(2):375–80

A visual pathway that mediates fear-conditioned enhancement of acoustic startle. Tischler MD, et al. **Brain Res** 1983 Oct 3;276(1):55–71

An anatomical and electrophysiological study of the centrifugal visual system in the lamprey (Lampetra fluviatilis). Vesselkin NP, et al. **Brain Res** 1984 Jan 30; 292(1):41–56

Electrophysiology of the pigeon's habenular nuclei: evidence for pineal connections and input from the visual system. Semm P, et al. **Brain Res Bull** 1984 Jan;12(1):115–21

Retinal ganglion cells of the pigeon accessory optic system. Britto LR. **Braz J Med Biol Res** 1983 Dec;16(4):357–63

Segregation of two spectrin forms in the chicken optic system: a mechanism for establishing restricted membrane-cytoskeletal domains in neurons. Lazarides E, et al. **Cell** 1984 Feb;36(2):269–78

An altered electroretinogram transient associated with an unusual jump response in a mutant of Drosophila. Kelly LE. **Cell Mol Neurobiol** 1983 Jun;3(2):143–9

Corticofugal axons in the lateral geniculate nucleus of the

cat. Boyapati J, et al. **Exp Brain Res** 1984;53(2):335–40
Double labelling of retinofugal projections in the cat: a study using anterograde transport of 3H–proline and horseradish peroxidase. Hoffmann KP, et al. **Exp Brain Res** 1984; 53(2):420–30
An observation about myelination. Richards W, et al. **Exp Brain Res** 1983;52(2):219–25
Motion detection in flies: parametric control over ON–OFF pathways. Richle A, et al. **Exp Brain Res** 1984;54(2):390–4
Deafferentation of the visual cortex: the effect on cortical cells in normal and in early monocularly deprived cats. Yinon U, et al. **Exp Neurol** 1984 Mar;83(3):486–94
Binocular depth perception in normal adults and its early development. Julesz B. **Fortschr Ophthalmol** 1983; 80(5):378–83
Organization of the cat's optic tract as assessed by single–axon recordings. Mastronarde DN. **J Comp Neurol** 1984 Jul 20;227(1):14–22
Retinotectal terminals in the superior colliculus of the rabbit: a light and electron microscopic analysis. Schönitzer K, et al. **J Comp Neurol** 1984 Feb 20;223(2):153–62
A comparison of the normal and regenerated retinotectal pathways of goldfish. Stuermer CA, et al. **J Comp Neurol** 1984 Feb 10;223(1):57–76
58,000 dalton intermediate filament proteins of neuronal and nonneuronal origin in the goldfish visual pathway. Quitschke W, et al. **J Neurochem** 1984 Feb;42(2):569–76
Visual cortical inputs to deep layers of cat's superior colliculus. Berson DM, et al. **J Neurophysiol** 1983 Nov; 50(5):1143–55
Response properties of cells in rabbit's lateral geniculate nucleus during reversible blockade of retinal on–center channel. Knapp AG, et al. **J Neurophysiol** 1983 Nov; 50(5):1236–45
Terminal patterns of single, physiologically characterized optic tract fibers in the cat's lateral geniculate nucleus. Bowling DB, et al. **J Neurosci** 1984 Jan;4(1):198–216
Receptive field properties in the cat's lateral geniculate nucleus in the absence of on–center retinal input. Horton JC, et al. **J Neurosci** 1984 Feb;4(2):374–80
Immunocytochemical localization of glutamic acid decarboxylase in normal and deafferented superior colliculus: evidence for reorganization of gamma–aminobutyric acid synapses. Houser CR, et al. **J Neurosci** 1983 Oct;3(10):2030–42
Receptive field properties in the cat's area 17 in the absence of on–center geniculate input. Sherk H, et al. **J Neurosci** 1984 Feb;4(2):381–93
The visuotectal projection following translocation of grafts within an optic tectum in the goldfish. Gaze RM, et al. **J Physiol (Lond)** 1983 Nov;344:257–75
Physiology of visuo–vestibular interactions: discussion paper. Barnes GR. **J R Soc Med** 1983 Sep;76(9):747–54
Changes in geniculate cell size following brief monocular blockade of retinal activity in kittens. Kuppermann BD, et al. **Nature** 1983 Dec 1–7;306(5942):465–8
Visual evoked response testing method for neonatal rats. Albee RR, et al. **Neurobehav Toxicol Teratol** 1983 Sep–Oct; 5(5):497–501
The visual hyperstriatal region in the chick: potentials evoked by electrical stimuli. Boxer MI, et al. **Neurosci Lett** 1984 Apr 6;45(3):303–8
Transection of the basal optic root in the frog abolishes vertical optokinetic head–nystagmus. Lázár G. **Neurosci Lett** 1983 Dec 23;43(1):7–11
Electrophysiology of the human visual system. Drasdo N. **Ophthalmic Physiol Opt** 1983;3(3):321–9 (32 ref.)
Visual mechanisms for the analysis of spatial pattern. Ruddock KH. **Ophthalmic Physiol Opt** 1983;3(2):93–119
Hering's opponent colour channels do not exist in the primate retinogeniculate pathway. Gouras P, et al. **Ophthalmic Res** 1984;16(1–2):31–5
Peptides from the regenerating central nervous system of goldfish stimulate glia. Giulian D. **Proc Natl Acad Sci USA** 1984 Jun;81(11):3567–71
The goldfish nervus terminalis: a luteinizing hormone–releasing hormone and molluscan cardioexcitatory peptide immunoreactive olfactoretinal pathway. Stell WK, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(3):940–4
Subsystems within the visual association cortex as delineated by their thalamic and transcortical affiliations. Berson DM, et al. **Prog Brain Res** 1983;58:229–38
Transported proteins in the regenerating optic nerve: regulation by interactions with the optic tectum. Benowitz LI, et al. **Science** 1983 Oct 14;222(4620):185–8
Neural interactions of two slits in the orientation domain in the visual cortical units of the cat. Kaji S, et al. **Vision Res** 1983;23(9):883–6
A model of a single visual channel's response to weak test lights. Maloney LT, et al. **Vision Res** 1984;24(7):633–40
Reaction times to weak test lights. Wandell BA, et al. **Vision Res** 1984;24(7):647–52
[Role of the corpus callosum in interhemispheric transfer of visual learning in the Siamese cat] Leporé F, et al. **Can J Psychol** 1983 Dec;37(4):535–46 (Eng. Abstr.) **(Fre)**
[Performance measurements of the visual system] Pittke EC. **Fortschr Ophthalmol** 1983;80(2):113–6 (Eng. Abstr.) **(Ger)**
[Psychophysical studies of visual function] Rentschler I. **Fortschr Ophthalmol** 1983;80(5):409–14 (Eng. Abstr.) **(Ger)**
[Visual potentials evoked by pattern reversal presented to the whole field and lateral hemi–fields in hemispherectomized subjects] Sollazzo D, et al. **Riv Neurobiol** 1983 Jan–Mar;29(1):116–23 (Eng. Abstr.) **(Ita)**
[Reversible functional shutdown of the optic tract on exposure to focused ultrasound] Adrianov OS, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):760–2 (Eng. Abstr.) **(Rus)**
[Compensatory restoration of function in cats following resection of the somatosensory pathways: role of the cerebral commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Mar;97(3):272–4 (Eng. Abstr.) **(Rus)**
[Interhemispheric transmission of visual information to the cat somatosensory cortex: role of subcortical commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):5–7 (Eng. Abstr.) **(Rus)**
[Commissural channels of visual information transmission] Fedan VA, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):3–5 (Eng. Abstr.) **(Rus)**
[Rhythmic activity in the visual analyzer] Iznak AF, et al. **Usp Fiziol Nauk** 1984 Jan–Mar;15(1):3–27 (202 ref.) **(Rus)**
[Functional analysis of the 1st synapse of the visual pathway in tetrapods] Gallego Fernández A. **An R Acad Nac Med (Madr)** 1983;100(2):305–32 **(Spa)**

PHYSIOPATHOLOGY

Steady–state visual evoked potentials during migraine prophylaxis by propranolol and femoxetine. Nyrke T, et al. **Acta Neurol Scand** 1984 Jan;69(1):9–14
Component specificity in albino VEP asymmetry: maturation of the visual pathway anomaly. Apkarian P, et al. **Exp Brain Res** 1984;53(2):285–94
A light–emitting diode array globe protector photostimulator. Kramer KK, et al. **J Clin Neuro Ophthalmol** 1984 Mar;4(1):53–5
Visual evoked potential abnormalities in Charcot–Marie–Tooth disease and comparison with Friedreich's ataxia. Carroll WM, et al. **J Neurol Sci** 1983 Sep;61(1):123–33
Investigation of visual pathway abnormalities in human albinos. Boylan C, et al. **Ophthalmic Physiol Opt** 1983; 3(3):273–85

RADIOGRAPHY

[Computed tomography diagnosis of lesions of the anterior visual pathway] Unsöld R. **Fortschr Ophthalmol** 1983; 80(6):523–6 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

The course of axons of retinal ganglion cells within the optic nerve and tract of the chick (Gallus gallus). Ehrlich D, et al. **J Comp Neurol** 1984 Mar 10;223(4):583–91

VISUAL PERCEPTION

see related
VISION

Sensitivity to light and sound following minor head injury. Waddell PA, et al. **Acta Neurol Scand** 1984 May; 69(5):270–6
In search of writing and reading habits in the microgenetic phase of letter recognition. Calis G, et al. **Acta Psychol (Amst)** 1983 Oct;54(1–3):313–26
Some perspectives on the way that psychologists use 'ecological physics'. de Wit HF, et al. **Acta Psychol (Amst)** 1983 Aug;53(2):171–82
Visual and auditory choice reaction times. Green DM, et al. **Acta Psychol (Amst)** 1984 May;55(3):231–47
A rose is a rose is a rose: minimalism in perception. Hudson PT. **Acta Psychol (Amst)** 1983 Aug;53(2):163–9
Mental retardation and inspection time: a two–stage model for sensory registration and central processing. Nettelbeck T, et al. **Am J Ment Defic** 1984 Jul;89(1):83–90
Mental retardation, inspection time, and central attentional impairment. Nettelbeck T, et al. **Am J Ment Defic** 1984 Jul;89(1):91–8
Naturalistic studies of human light exposure. Okudaira N, et al. **Am J Physiol** 1983 Oct;245(4):R613–5
What are the objects of perceptual consciousness? Natsoulas T. **Am J Psychol** 1983 Winter;96(4):435–67
LSD flashbacks [letter] Hoffman JA. **Arch Gen Psychiatry** 1984 Jun;41(6):631–2
Auditory–visual synesthesia. Report of a case with intact visual pathways. Vike J, et al. **Arch Neurol** 1984 Jun; 41(6):680–1
Differential light threshold. Short– and long–term fluctuation in patients with glaucoma, normal controls, and patients with suspected glaucoma. Flammer J, et al. **Arch Ophthalmol** 1984 May;102(5):704–6
Visual perception in hemiplegic patients. van Ravensberg CD, et al. **Arch Phys Med Rehabil** 1984 Jun;65(6):304–9
Can preschool children be creative? A perceptgenetic study of 4–6–year–olds. Smith GJ, et al. **Arch Psychol (Frankf)** 1983;135(1):37–53
Personal organization of the visual field: a study of ambient to focal reports of threatening stimuli. Westerlundh B. **Arch Psychol (Frankf)** 1983;135(1):17–35
Effect of visual experience on the habituation of orienting behavior. Midgley GC, et al. **Behav Neurosci** 1983 Aug; 97(4):624–38
Textural segmentation, second–order statistics, and textural elements. Beck J. **Biol Cybern** 1983;48(2):125–30
When words collide: orthographic and phonological interference during word processing. Polich J, et al. **Biol Psychol** 1983 May–Jun;16(3–4):155–80
Stimulus information and habituation of the visual event related potential and the skin conductance reaction under task–relevance conditions. Woestenburg JC, et al. **Biol Psychol** 1983 May–Jun;16(3–4):225–40
Deprivation–induced biochemical changes in the pigeon visual system. Bagnoli P, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:71–5
Single unit activity and visual perception of motion. Galletti C, et al. **Boll Soc Ital Biol Sper** 1984 May 30;60 Suppl 4:59–64
The relevance of visual sequential memory to reading. Crispin L, et al. **Br J Educ Psychol** 1984 Feb;54 (Pt 1):24–30
Balance between pattern and flicker sensitivities in the visual fields of ophthalmological patients. Regan D, et al. **Br J Ophthalmol** 1984 May;68(5):310–5
Visual hallucinations and sensory delusions in the elderly. Berrios GE, et al. **Br J Psychiatry** 1984 Jun;144:662–4
Reproduction of complex two–dimensional movements as a function of mode of presentation. Colley A, et al. **Br J Psychol** 1984 May;75 (Pt 2):267–73
An investigation into component and configural processes underlying face perception. Sergent J. **Br J Psychol** 1984 May;75 (Pt 2):221–42
Different time constants for optokinetic and vestibular nystagmus with a single velocity–storage element. Demer JL, et al. **Brain Res** 1983 Oct 3;276(1):173–7
Evidence for a third primary visual area in the telencephalon of the pigeon. Güntürkün O. **Brain Res** 1984 Mar 5; 294(2):247–54
Behavioral and physiological effects of monocular deprivation: a comparison of rearing with diffusion and occlusion. Tieman DG, et al. **Brain Res** 1983 Nov 28; 280(1):41–50
Amygdaloid neuronal responses to complex visual stimuli in an operant feeding situation in the monkey. Ono T, et al. **Brain Res Bull** 1983 Nov;11(5):515–8
Composition of the supraoptic decussation of the chick (Gallus gallus). A possible factor limiting interhemispheric transfer of visual information. Saleh CN, et al. **Cell Tissue Res** 1984;236(3):601–9
Visual, kinaesthetic and cross–modal judgments of length by clumsy children: a comparison with young normal children. Hulme C, et al. **Child Care Health Dev** 1984 Mar–Apr; 10(2):117–25
The perception of facial expressions and stimulus motion by two– and five–month–old infants using holographic stimuli. Nelson CA, et al. **Child Dev** 1983 Aug;54(4):868–77
Children's television viewing: attention and comprehension of auditory versus visual information. Pezdek K, et al. **Child Dev** 1983 Aug;54(4):1015–23
Differential rates of visual information processing in full–term and preterm infants. Rose SA. **Child Dev** 1983 Oct; 54(5):1189–98 (38 ref.)
The relationship between affect and cognition in maltreated infants: quality of attachment and the development of visual self–recognition. Schneider–Rosen K, et al. **Child Dev** 1984 Apr;55(2):648–58
Visual self–recognition in autistic children: developmental relationships. Spiker D, et al. **Child Dev** 1984 Feb; 55(1):214–25
A surface antigen that identifies ocular dominance columns in the visual cortex and laminar features of the lateral geniculate nucleus. Hockfield S, et al. **Cold Spring Harbor Symp Quant Biol** 1983;48 Pt 2:877–89
Sorting of hemifield presented temporal and spatial stimuli. Brandeis R, et al. **Cortex** 1984 Jun;20(2):179–92
A comment on 'Visual field, exposure duration, and sex as factors in the perception of emotional facial expressions' (Thompson, 1983). Bruyer R. **Cortex** 1984 Jun;20(2):281–4
Lateral asymmetry of positive and negative emotions. Duda PD, et al. **Cortex** 1984 Jun;20(2):253–61
Visual exploration of non–verbal material by dyslexic children. Eskenazi B, et al. **Cortex** 1983 Sep;19(3):353–70
Is prosopagnosia more frequent in males than in females? Mazzucchi A, et al. **Cortex** 1983 Dec;19(4):509–16
Directional scanning or reporting preferences are not the cause of visual hemifield x report interactions. Young AW, et al. **Cortex** 1983 Dec;19(4):475–80
Mother–infant visual interaction in Japanese macaques. Ehardt CL, et al. **Dev Psychobiol** 1984 Jul;17(4):391–405
Perceptual imprinting: genetic influences and genotype–environment interactions. Kovach JK, et al. **Dev Psychobiol** 1983 Sep;16(5):413–22
Effects of noise on signal detection. Milošević S. **Ergonomics** 1983 Oct;26(10):939–46
Drivers' immediate responses to traffic signs. Summala H, et al. **Ergonomics** 1984 Feb;27(2):205–16
Adults' mental rotation of spatial information: effects of age, sex and cerebral laterality. Herman JF, et al. **Exp Aging Res** 1983 Summer;9(2):83–5
The effect of age on hemispheric asymmetry in visual and auditory identification. Nebes RD, et al. **Exp Aging Res** 1983 Summer;9(2):87–91
Response of cat retinal ganglion cells to motion of visual

texture. Ahmed B, et al. **Exp Brain Res** 1984;53(2):444–50
Orientation shift between upper and lower layers in monkey visual cortex. Bauer R, et al. **Exp Brain Res** 1983; 50(1):133–45
Effects of neonatally induced strabismus on binocular responses in cat area 18. Cynader M, et al. **Exp Brain Res** 1984;53(2):384–99
Effects of monocular deprivation on the distribution of cell types in the LGNd: a sampling study with fine-tipped micropipettes. Friedlander MJ, et al. **Exp Brain Res** 1984; 53(2):451–61
Possible visual pathways to the cat vestibular nuclei involving the nucleus prepositus hypoglossi. Magnin M, et al. **Exp Brain Res** 1983;51(2):298–303
Auditory compensation of the effects of visual deprivation in the cat's superior colliculus. Rauschecker JP, et al. **Exp Brain Res** 1983;50(1):69–83
Visual signals in the dorsolateral pontine nucleus of the alert monkey: their relationship to smooth-pursuit eye movements. Suzuki DA, et al. **Exp Brain Res** 1984; 53(2):473–8
Topographic studies on visual neurons in the dorsolateral prefrontal cortex of the monkey. Suzuki H, et al. **Exp Brain Res** 1983;53(1):47–58
Readability of text scrolled on visual display terminals as a function of window size. Duchnicky RL, et al. **Hum Factors** 1983 Dec;25(6):683–92
Flying performance on the advanced simulator for pilot training and laboratory tests of vision. Kruk R, et al. **Hum Factors** 1983 Aug;25(4):457–66
The formatting of alphanumeric displays: a review and analysis. Tullis TS. **Hum Factors** 1983 Dec;25(6):657–82 (80 ref.)
Reflection of functional hemispheric asymmetry in some phenomena of visual perception. Belyi BI. **Hum Physiol** 1982 Nov-Dec;8(6):410–7
Facial-affect recognition in normal preschool children and in senile elderly persons. Brosgole L, et al. **Int J Neurosci** 1983 Jul;20(1–2):91–102
The late positive component of the evoked waveform: relationship to word recognition processes. Chabot RJ, et al. **Int J Neurosci** 1984 Feb;22(3–4):299–313
A comparative investigation of ERP components and the SCR in a habituation and dishabituation paradigm. Elton M, et al. **Int J Neurosci** 1983 Dec;22(1–2):55–62
The breakdown and rehabilitation of visuospatial dysfunction in brain-injured patients. Delis DC, et al. **Int Rehabil Med** 1983;5(3):132–8
Backward masking as a measure of slow processing in schizophrenia spectrum disorders. **J Abnorm Psychol** 1983 Nov;92(4):502–4
Perceptual grouping in schizophrenia: replication of Place and Gilmore. Wells DS, et al. **J Abnorm Psychol** 1984 May; 93(2):231–4
Recognition of speech spectrograms. Greene BG, et al. **J Acoust Soc Am** 1984 Jul;76(1):32–43
The innate vs. the learned: visual imagery and the role of experience. Forrest EB. **J Am Optom Assoc** 1984 Jan; 55(1):43–6
Asking only one question in the conservation experiment. Samuel J, et al. **J Child Psychol Psychiatry** 1984 Apr; 25(2):315–8
An islet of ability in autistic children: a research note. Shah A, et al. **J Child Psychol Psychiatry** 1983 Oct;24(4):613–20
Visual memory and perceptual impairments in prosopagnosia. Bauer RM, et al. **J Clin Neuro Ophthalmol** 1984 Mar; 4(1):39–46
Visuoperceptual performances in aging and dementia: clinical and theoretical implications. Eslinger PJ, et al. **J Clin Neuropsychol** 1983 Sep;5(3):213–20
Effect of pairing scanning training with block design training in the remediation of perceptual problems in left hemiplegics. Young GC, et al. **J Clin Neuropsychol** 1983 Sep;5(3):201–12
Dream disturbances and flashbacks [letter] Burstein A. **J Clin Psychiatry** 1984 Jan;45(1):46
Pantomime in aphasia: effects of stimulus characteristics. Netsu R, et al. **J Commun Disord** 1984 Feb;17(1):37–46
Verbal and visuospatial performance in male alcoholics: a test of the premature-aging hypothesis. Shelton MD, et al. **J Consult Clin Psychol** 1984 Apr;52(2):200–6
Are theories of perception necessary? A review of Gibson's The Ecological Approach to Visual Perception. Costall AP. **J Exp Anal Behav** 1984 Jan;41(1):109–15
The development of orientation categories between 2 and 4 months of age. Bomba PC. **J Exp Child Psychol** 1984 Jun;37(3):609–36
Stimulus context and infant orientation discrimination. Colombo J, et al. **J Exp Child Psychol** 1984 Jun; 37(3):576–86
The effects of onset and offset warning and post-target stimuli on the saccade latency of children and adults. Ross SM, et al. **J Exp Child Psychol** 1983 Oct;36(2):340–55
Isobias and alloiobias functions in animal psycophysics. McCarthy D, et al. **J Exp Psychol [Anim Behav]** 1984 Jul; 10(3):390–409
Relationships between the determinants of performance in serial feature-positive discriminations. Ross RT. **J Exp Psychol [Anim Behav]** 1983 Oct;9(4):349–73
Enhanced visual memory during hypnosis as mediated by hypnotic responsiveness and cognitive strategies. Crawford HJ, et al. **J Exp Psychol [Gen]** 1983 Dec;112(4):662–85
Target recovery in visual backward masking: no clear explanation in sight. Briscoe G, et al. **J Exp Psychol [Hum Percept]** 1983 Dec;9(6):898–911
Initial stages of visual information processing in dyslexia. Di Lollo V, et al. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):923–35
Lightness constancy through a veiling luminance. Gilchrist AL, et al. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):936–44
Does global precedence really depend on visual angle? Navon D, et al. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):955–65
Perception of growth from changes in body proportions. Pittenger JB, et al. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):945–54
General mental resources and perceptual judgments. Reisberg D. **J Exp Psychol [Hum Percept]** 1983 Dec; 9(6):966–79
Is meaning implicated in illusory conjunctions? Virzi RA, et al. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):573–80
Scene perception: a failure to find a benefit from prior expectancy or familiarity. Biederman I, et al. **J Exp Psychol [Learn Mem Cogn]** 1983 Jul;9(3):411–29
The roles of target and eye motion in the production of the visual shift in prism adaptation. Wallace B, et al. **J Gen Psychol** 1984 Apr;110(2d Half):251–62
Developmental changes in children's attention to visual dimensions of people. Brody LR, et al. **J Genet Psychol** 1983 Dec;143(2d Half):285–6
Picture memory in older adults: effects of contextual detail at encoding and retrieval. Park DC, et al. **J Gerontol** 1984 Mar;39(2):213–5
Effects of different stimulus manipulations of the acquisition of word recognition in trainable mentally retarded children. Smeets PM, et al. **J Ment Defic Res** 1984 Jun;28 (Pt 2):109–22
Hostage hallucinations. Visual imagery induced by isolation and life-threatening stress. Siegel RK. **J Nerv Ment Dis** 1984 May;172(5):264–72
Contrast vision and optic neuritis: neural blurring. Hess RF. **J Neurol Neurosurg Psychiatry** 1983 Nov;46(11):1023–30
Visual response properties in the tectorecipient zone of the cat's lateral posterior-pulvinar complex: a comparison with the superior colliculus. Chalupa LM, et al. **J Neurosci** 1983 Dec;3(12):2587–96
Visual signal detection. I. Ability to use phase information. Burgess A, et al. **J Opt Soc Am [A]** 1984 Aug;1(8):900–5
Visual signal detection. II. Signal-location identification. Burgess AE, et al. **J Opt Soc Am [A]** 1984 Aug;1(8):906–10
Symmetry and constancy in the perception of negative and positive luminance contrast. Burkhardt DA, et al. **J Opt Soc Am [A]** 1984 Mar;1(3):309–16
Lateral preference patterns and cross-modal sensory integration. Dean RS, et al. **J Pediatr Psychol** 1983 Sep; 8(3):285–92
A developmental study of the relationship between handedness and eyedness as applied to disappearing visual targets. Mandes E, et al. **J Psychol** 1984 May;117(1st Half):105–10
Sentential structure and the perceptual span in normal reading development. Lovett MW. **J Psycholinguist Res** 1984 Jan;13(1):69–84
Effects of mutual invisibility and topical intimacy on verbal fluency in dyadic communication. Siegman AW, et al. **J Psycholinguist Res** 1983 Sep;12(5):443–55
Psychogenic micropsia in fact and fiction [letter] Schneck JM. **JAMA** 1984 May 11;251(18):2350
Dynamic topography of visual evoked potentials and extrageniculate projection in case of Riddoch phenomenon. Tsutsui J, et al. **Jpn J Ophthalmol** 1984;28(1):20–30
Central processing in the aged. Giaquinto S, et al. **Monogr Neural Sci** 1984;11:169–75
Parallel visual computation. Ballard DH, et al. **Nature** 1983 Nov 3–9;306(5938):21–6
Real-time optical imaging of naturally evoked electrical activity in intact frog brain. Grinvald A, et al. **Nature** 1984 Apr 26–May 2;308(5962):848–50
Disruption of cortical activity prevents ocular dominance changes in monocularly deprived kittens. Shaw C, et al. **Nature** 1984 Apr 19–25;308(5961):731–4
Vertical disparity pooling and the induced effect. Stenton SP, et al. **Nature** 1984 Jun 14–20;309(5969):622–3
Cerebral asymmetry in congenitally deaf subjects. Panou L, et al. **Neuropsychologia** 1984;22(3):381–3
Hemispheric specialization and the perception of emotion: evidence from right-handers and from inverted and non-inverted left-handers. Reuter-Lorenz PA, et al. **Neuropsychologia** 1983;21(6):687–92
Palinopsia: rare but ominous symptom of cerebral dysfunction. Lazaro RP. **Neurosurgery** 1983 Sep; 13(3):310–3
Two systems in the detection of visual motion. Bonnet C. **Ophthalmic Physiol Opt** 1984;4(1):61–5
Movement detection and spatial phase. Murray IJ, et al. **Ophthalmic Physiol Opt** 1984;4(1):73–6
Three-dimensional perception of radiographic images among dental students and dentists. Sewerin I. **Oral Surg** 1983 Sep; 56(3):332–6
Use of visual training for reading disabilities: a review. Metzger RL, et al. **Pediatrics** 1984 Jun;73(6):824–9 (35 ref.)
Developmental aspects in the assessment of visual function in young children. Nelson LB, et al. **Pediatrics** 1984 Mar; 73(3):375–81
Alpha-melanocyte stimulating hormone facilitates learning of visual but not auditory discriminations. Handelmann GE, et al. **Peptides (Fayetteville)** 1983 Mar-Apr;4(2):145–8
Hemispheric asymmetries in a signal detection task. Andreassi JL, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):923–9
Note on Gibson's direct visual perception. Aurell CG. **Percept Mot Skills** 1984 Apr;58(2):540–2
Differences in visual sensitivity among mindfulness meditators and non-meditators. Brown D, et al. **Percept Mot Skills** 1984 Jun;58(3):727–33
Visual sensitivity and mindfulness meditation. Brown D, et al. **Percept Mot Skills** 1984 Jun;58(3):775–84
Stimulus structure in visual persistence: an examination of selective adaptation effects on phenomenal continuity. Burns B. **Percept Mot Skills** 1984 Apr;58(2):663–70
Use of self-generated and supplied visuals as mnemonics in gifted children's learning. Carrier C, et al. **Percept Mot Skills** 1983 Aug;57(1):235–40
Semantic generalization investigated using second-order conditioned visual afterimages. Davies P, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):703–9
Suppression of visual dominance in bimodal reaction time. Doody SG, et al. **Percept Mot Skills** 1984 Apr;58(2):602
Reliability of clinical judgements of pupil dilation. Farmer A. **Percept Mot Skills** 1984 Jun;58(3):710
Rorschach-based indices of visual imagery reactivity. Fogel ML, et al. **Percept Mot Skills** 1983 Oct;57(2):631–41
Rehearsal of temporal visual information. Guay M, et al. **Percept Mot Skills** 1984 Feb;58(1):215–20
Interrupting visual feedback in writing. Hull GA, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):963–78
Accuracy and latency of judgment of facial expressions of emotions. Kirouac G, et al. **Percept Mot Skills** 1983 Dec; 57(3 Pt 1):683–6
Visual exploratory activity of hemiplegic patients viewing the motor-free visual perception test. Locher PJ, et al. **Percept Mot Skills** 1983 Aug;57(1):91–100
Effect of subliminal visual material on an auditory signal detection task. Moroney E, et al. **Percept Mot Skills** 1984 Feb;58(1):103–13
Evaluation of connectedness by cats in path-selection problems. Poucet B. **Percept Mot Skills** 1984 Feb; 58(1):51–4
Luminance level and onset sequence of a pre- and post-exposure adapting field affects recognition of masked and unmasked stimuli. Saccuzzo DP, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):791–8
Modality effect on text processing as a function of ability to comprehend. Sannomiya M. **Percept Mot Skills** 1984 Apr;58(2):379–82
Some curious phenomena when observing strobe-lights. Schreuder DA. **Percept Mot Skills** 1984 Feb;58(1):89–90
Auditory and visual differences in time perception. Sebel AJ, et al. **Percept Mot Skills** 1983 Aug;57(1):295–300
Field dependency: cognitive style or perceptual skill? Shade BJ. **Percept Mot Skills** 1984 Jun;58(3):991–5
Environmental orientation reversal for supine observers. Brogan D. **Perception** 1983;12(2):149–50
On the number of intensity levels discriminated in textures. Caelli T, et al. **Perception** 1984;13(1):21–31
Detection of moving stimuli in the binocular and nasal visual fields by infants three and four months old. Finlay D, et al. **Perception** 1982;11(6):685–90
An investigation into the representations involved in visual masking. Forster PM. **Perception** 1983;12(3):347–53
Perception of lightness and illumination in a world of one reflectance. Gilchrist A, et al. **Perception** 1984;13(1):5–19
Two pins and a length of string: Kepler's vision. Gregory RL. **Perception** 1983;12(4):371–4
Visual, kinaesthetic and cross-modal development: relationships to motor skill development. Hulme C, et al. **Perception** 1983;12(4):477–83
Touch and vision in normal and Down's syndrome babies. Lewis VA, et al. **Perception** 1982;11(6):691–701
Illusory contour lightness: a neglected possibility. Parks TE, et al. **Perception** 1983;12(1):43–7
Visual slant underestimation: a general model. Perrone JA. **Perception** 1982;11(6):641–54
On the plausibility of Superman's x-ray vision. Pittenger JB. **Perception** 1983;12(5):635–9
Relationship between objective and subjective assessment of gamma camera image sharpness. Kasal B, et al. **Phys Med Biol** 1983 Oct;28(10):1127–34
Relationship between objective and subjective assessment of image sharpness [letter] Venema HW, et al. **Phys Med Biol** 1984 May;29(5):600–2
Detectability of low-contrast features in computed tomography. Warren RC. **Phys Med Biol** 1984 Jan; 29(1):1–13
Visual size analysers and Mueller-Lyer illusions. Bonciocat C, et al. **Physiologie** 1983 Jul-Sep;20(3):175–83
Function of the thalamic reticular complex: the searchlight hypothesis. Crick F. **Proc Natl Acad Sci USA** 1984 Jul; 81(14):4586–90
Effects of monocular deprivation on the lateral geniculate nucleus in a primate. Sesma MA, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(7):2255–9
Specification of cortical neurons by visuomotor experience. Imbert M, et al. **Prog Brain Res** 1983;58:427–36
An outlying visual area in the cerebral cortex of the cat. Olson CR, et al. **Prog Brain Res** 1983;58:239–45

Perceptual discrimination and reaction time in hallucinatory schizophrenics. Schneider SJ, et al. **Psychiatry Res** 1983 Jul;9(3):243–53

Overshadowing in a two-way shuttlebox. Cotton MM. **Psychol Rep** 1983 Oct;53(2):367–73

Selection of landmarks as a correlate of cognitive map organization. Hardwick DA, et al. **Psychol Rep** 1983 Dec; 53(3 Pt 1):807–13

Parallel processing of redundant targets in simple visual search tasks. van der Heijden AH, et al. **Psychol Res** 1983; 45(3):235–54

The array-size function in simple visual search tasks: a comparison between a 'go- no go' and a 'detection' task under conditions of low target-noise similarity. van der Heijden AH, et al. **Psychol Res** 1983;45(3):221–34

Vergence eye movements and visual suppression. Manning KA, et al. **Vision Res** 1984;24(6):521–6

The statistical reliability of signals in single neurons in cat and monkey visual cortex. Tolhurst DJ, et al. **Vision Res** 1983;23(8):775–85

[Dyslexia] van Balen AT. **Ned Tijdschr Geneeskd** 1984 May 12;128(19):916–7 **(Dut)**

[Responsive characteristics of the cells of cortex area 18 of the adult cat after chiastomy. Postoperative development; importance of the visual experience] Milleret C, et al. **C R Seances Acad Sci [III]** 1983;297(2):75–80 (Eng. Abstr.) **(Fre)**

[Visual and tactile agnosia] Morin P, et al. **Rev Neurol (Paris)** 1984;140(4):271–7 (Eng. Abstr.) **(Fre)**

[Temporal transfer properties of the visual system] Lachenmayr B. **Fortschr Ophthalmol** 1984;81(2):170–4 (Eng. Abstr.) **(Ger)**

[Modification of the Frostig Development Test of Visual Perception for use with severely handicapped children] Merkens L. **Prax Kinderpsychol Kinderpsychiatr** 1984 May-Jun;33(4):114–22 (Eng. Abstr.) **(Ger)**

[Visual frontoparallels: a decision experiment on the theories of Blank, Foley and Luneburg] Lukas J. **Z Exp Angew Psychol** 1983;30(4):610–27 (Eng. Abstr.) **(Ger)**

[Effect of learning conditions on psychophysical scaling of brightness] Mittenecker E. **Z Exp Angew Psychol** 1983; 30(4):628–38 (Eng. Abstr.) **(Ger)**

[Visual feedback on the maximal momentum of the voluntary tibio-tarsal dorsal flexion in hemiplegic patients] Bazzini G, et al. **Boll Soc Ital Biol Sper** 1984 Feb 28;60(2):375–81 (Eng. Abstr.) **(Ita)**

[Optic ataxia—semiological observation and review of the literature] Hirayama K, et al. **Rinsho Shinkeigaku** 1983 Jul; 23(7):605–12 **(Jpn)**

[A study on the functional lesions in 'ataxie optique de Garcin' by positron emission tomography (PET)] Kawamura M, et al. **Rinsho Shinkeigaku** 1984 Jan; 24(1):45–9 (Eng. Abstr.) **(Jpn)**

[Visual extinction caused by a right thalamic lesion] Sato M, et al. **Rinsho Shinkeigaku** 1984 Apr;24(4):347–53 (Eng. Abstr.) **(Jpn)**

[Psychological analysis of the causes of errors in roentgen diagnosis] Rogovin MS, et al. **Vestn Rentgenol Radiol** 1983 Nov-Dec;(6):61–6 (Eng. Abstr.) **(Rus)**

[Visual memory in aphasics] Glozman ZhM, et al. **Zh Nevropatol Psikhiatr** 1983;83(12):1830–5 (Eng. Abstr.) **(Rus)**

[Monocular enucleation causes a deficit in visual learning in rats] Aronsohn S, et al. **Acta Physiol Lat Am** 1981; 31(3):143–50 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Barbiturate influence upon organization of lateral geniculate receptive fields in cats. Wróbel A, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(2):73–81

Effect of apomorphine on retention of a brightness discrimination in dopamine supersensitive rats. Honza R, et al. **Behav Neural Biol** 1984 May;41(1):23–9

Inhibitory mechanism in zebrafish optic tectum: visual response properties of tectal cells altered by picrotoxin and bicuculline. Sajovic P, et al. **Brain Res** 1983 Jul 25; 271(2):227–40

Hypothermia and chloropent anesthesia differentially affect the flash evoked potentials of hooded rats. Dyer RS, et al. **Brain Res Bull** 1983 Jun;10(6):825–31

Drug effects on the repeated generalization of a visual discrimination acquired under one trial per day conditions. Nielsen EB, et al. **Psychopharmacology (Berlin)** 1984; 82(5):233–6

PHYSIOLOGY

Short-term reorganization of the cortical network? Some questions from visual psychophysics. MacKay DM. **Acta Morphol Hung** 1983;31(1–3):285–99

Neuronal mechanisms of experience-dependent self-organization of the mammalian visual cortex. Singer W. **Acta Morphol Hung** 1983;31(1–3):235–59

Responses of area 17 neurons in cats binocularly deprived by rearing in hoods. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1983;43(4–5):263–72

Increase of GABA receptor binding activity after short lasting monocular deprivation in kittens. Skangiel-Kramska J, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(1):33–9

Visual recovery after treatment for pituitary adenoma. Lennerstrand G. **Acta Ophthalmol (Copenh)** 1983 Dec; 61(6):1104–17

A comparison of two horopter criteria. Reading RW, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):869–81

Perception and eye movements in simulated traffic situations. Luoma J. **Acta Ophthalmol [Suppl] (Copenh)** 1984; 161:128–34

Visually guided behaviour of cats in the absence of retino-geniculo-cortical pathways. Norrsell K. **Acta Ophthalmol [Suppl] (Copenh)** 1983;160:1–99

Estimation of brief time intervals presented in the right and left visual half-fields. Shekerdjiiski S, et al. **Acta Physiol Pharmacol Bulg** 1983;9(3):37–41

The performance of adult males on the Southern California Figure-Ground Visual Perception Test. Petersen P, et al. **Am J Occup Ther** 1983 Aug;37(8):554–60

Comparative monocular brightness contributions in normal binocular observers. Corcoran RA, et al. **Am J Optom Physiol Opt** 1983 Oct;60(10):813–6

Foveal xenon flash disruption of steady-state visual evoked potentials. Schmeisser ET. **Am J Optom Physiol Opt** 1984 May;61(5):304–9

Contrast sensitivity determined with the spatial bandwidth equalization technique: threshold, suprathreshold, and spatiotemporal measurements. Wiley RW, et al. **Am J Optom Physiol Opt** 1984 Apr;61(4):221–31

Human sensory stimulation and deprivation: positron emission tomographic results and strategies. Mazziotta JC, et al. **Ann Neurol** 1984;15 Suppl:S50–60

Verbal information processing and hemispheric AEP asymmetry. Bentin S, et al. **Ann NY Acad Sci** 1984; 425:166–70

Cerebral potentials preceding visually triggered saccades. Brickett PA, et al. **Ann NY Acad Sci** 1984;425:429–33

Visual evoked responses in dyslexic children. Cohen J, et al. **Ann NY Acad Sci** 1984;425:338–43

Posterior alpha activity during vertex-CNV formation under different stimulating conditions. A new approach. Denoth F, et al. **Ann NY Acad Sci** 1984;425:177–87

Hemispheric differences in event-related potential measures of selective attention. Harter MR, et al. **Ann NY Acad Sci** 1984;425:210–1

Event-related brain potentials (ERPs) elicited by novel stimuli during sentence processing. Kutas M, et al. **Ann NY Acad Sci** 1984;425:236–41

Electrocortical measures of information processing deficit in anhedonia. Miller GA, et al. **Ann NY Acad Sci** 1984; 425:598–602

Visual neglect in Parkinson's disease. Villardita C, et al. **Arch Neurol** 1983 Nov;40(12):737–9

Visual imperception in brain-injured adults: multifaceted measures. Gianutsos R, et al. **Arch Phys Med Rehabil** 1983 Oct;64(10):456–61

Visual test results compared with flying performance in telemetry-tracked aircraft. Kruk R, et al. **Aviat Space Environ Med** 1983 Oct;54(10):906–11

Benefits of helmet-mounted display image stabilisation under whole-body vibration. Wells MJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):13–8

Contrast discrimination in the cat. Blake R, et al. **Behav Brain Res** 1984 May;12(2):155–62

Why do we measure contrast sensitivity? Campbell FW. **Behav Brain Res** 1983 Oct;10(1):87–97

Lateral telencephalic lesions affect visual discriminations in pigeons. Delius JD, et al. **Behav Brain Res** 1984 Mar; 11(3):249–58

Upper visual space neglect and motor deficits after section of the midbrain commissures in the cat. Matelli M, et al. **Behav Brain Res** 1983 Dec;10(2–3):263–85

Effects of lateral suprasylvian visual cortex lesions on visual localization, discrimination, and attention in cats. Spear PD, et al. **Behav Brain Res** 1983 Dec;10(2–3):339–59

Visual discrimination after early and late unilateral enucleation of the rabbit. Van Hof MW, et al. **Behav Brain Res** 1984 Apr;12(1):87–9

Cholinergic system in the toad's (Bufo bufo L.) visual system. Hock FJ. **Behav Neural Biol** 1983 Jul;38(2):313–6

Visual learning suppressed by cooling the temporal pole. Horel JA, et al. **Behav Neurosci** 1984 Apr;98(2):310–24

Effects of telencephalic ablation on visual unit, sustained potential shift, and EEGs recorded from the toad tectum in response to a visual stimulus. Laming PR, et al. **Behav Neurosci** 1984 Feb;98(1):118–24

Retinotopy and orientation columns in the monkey: a new model. Dow BM, et al. **Biol Cybern** 1984;49(3):189–200

Two spatio-temporal filters in human vision. 2. Selective modification in amblyopia, albinism, and hemianopia. Grounds AR, et al. **Biol Cybern** 1983;47(3):191–201

Two spatio-temporal filters in human vision. 1. Temporal and spatial frequency response characteristics. Holliday IE, et al. **Biol Cybern** 1983;47(3):173–90

A model of binocular brightness and binaural loudness perception in humans with general applications to nonlinear summation of sensory inputs. Lehky SR. **Biol Cybern** 1983; 49(2):89–97

Peripheral vision and perceived visual direction. Mateeff S, et al. **Biol Cybern** 1983;49(2):111–8

A model for the monocular line orientation analyzer. Vaitkevičius H, et al. **Biol Cybern** 1983;48(3):139–47

Do concurrent verbal memory loads influence the verbal laterality pattern in the bilateral task? Duda PD. **Brain Lang** 1983 Sep;20(1):65–78

Regional brain activity in dyslexic and control children during reading tasks: visual probe event-related potentials. Johnstone J, et al. **Brain Lang** 1984 Mar;21(2):233–54

Imageability does not interact with visual field in lateral word recognition with oral report. Lambert AJ, et al. **Brain Lang** 1983 Sep;20(1):115–42

Hemifield independence in the left handed. Miller LK. **Brain Lang** 1983 Sep;20(1):33–43

Comments on the interpretation of lateral asymmetries in the naming of words and line drawings. Young AW, et al. **Brain Lang** 1983 Sep;20(1):166–71

Visual activation of neurons in the primate pulvinar depends on cortex but not colliculus. Bender DB. **Brain Res** 1983 Nov 21;279(1–2):258–61

Activity of neurons in monkey posterior temporal cortex during multidimensional visual discrimination tasks. Braitman DJ. **Brain Res** 1984 Jul 30;307(1–2):17–28

Responses of striatal neurons in the behaving monkey. 2. Visual processing in the caudal neostriatum. Caan W, et al. **Brain Res** 1984 Jan 2;290(1):53–65

Lateralized effects of monocular training on dendritic branching in adult split-brain rats. Chang FL, et al. **Brain Res** 1982 Jan 28;232(2):283–92

White noise analysis of cortical directional selectivity in cat. Citron MC, et al. **Brain Res** 1983 Nov 21;279(1–2):271–7

Changes in telencephalic catecholamine levels in the domestic chick. Effects of age and visual experience. Davies DC, et al. **Brain Res** 1983 Nov;312(2):251–5

Prior activity influences the velocity of impulses in frog and cat optic nerve fibers. George SA, et al. **Brain Res** 1984 Jun 18;304(1):121–6

Retinal ganglion cell death and terminal field retraction in the developing rodent visual system. Jeffery G. **Brain Res** 1984 Mar;315(1):81–96

Functional anatomy of the tectum mesencephali of the goldfish. An explorative analysis of the functional implications of the laminar structural organization of the tectum. Meek J. **Brain Res** 1983 Dec;287(3):247–97 (280 ref.)

Deafferentation and axotomy of neurons in cat striate cortex: time course of changes in binocularity following corpus callosum transection. Payne BR, et al. **Brain Res** 1984 Jul 30;307(1–2):201–15

GABAergic inhibition already operates on a group of neurons in the kitten visual cortex at the time of eye opening. Sato H, et al. **Brain Res** 1984 Feb;314(2):311–5

The influence of GABAergic inhibitory processes on the receptive field structure of X and Y cells in cat dorsal lateral geniculate nucleus (dLGN). Sillito AM, et al. **Brain Res** 1983 Oct 24;277(1):63–77

The nutrient supply of the chick visual system: responses to form and light deprivation. Werdel JM, et al. **Brain Res** 1984 Jun 3;301(2):259–63

Functional organization of the right nondominant cortex: evidence from electrical stimulation. Mateer CA. **Can J Psychol** 1983 Mar;37(1):36–58

Ionic and spectral mechanisms of the off response to light in hyperpolarizing photoreceptors of the clam, Lima scabra. Cornwall MC, et al. **Cell Mol Neurobiol** 1983 Dec; 3(4):311–28

Elaboration of representations in a left-handed subject with callosal damage. Blanc-Garin J. **Cortex** 1983 Dec; 19(4):493–508

Nasopharyngeal recordings separate retinal from optic nerve potentials. Korth M. **Curr Eye Res** 1984 Jun;3(6):873–80

Effects of electrical stimulation of low-threshold muscle afferents on visual reaction time. Rüegg DG, et al. **Electroencephalogr Clin Neurophysiol** 1984 Feb;57(2):184–7

Influence of high ambient temperature and humidity on visual sensitivity. Hohnsbein J, et al. **Ergonomics** 1983 Sep; 26(9):905–11

Can age-related deficits in spatial memory be attenuated through the use of verbal coding? Clarkson-Smith L, et al. **Exp Aging Res** 1983 Fall;9(3):179–84

The use of focused attention in visual search by young and old adults. Nebes RD, et al. **Exp Aging Res** 1983 Fall; 9(3):139–43

Visual influence on postural control in the cat. Clément G, et al. **Exp Brain Res** 1983;52(3):429–38

Development of the air righting reflex in cats visually deprived since birth. Cremieux J, et al. **Exp Brain Res** 1984; 54(3):564–6

Visual responses in the postarcuate cortex (area 6) of the monkey that are independent of eye position. Gentilucci M, et al. **Exp Brain Res** 1983;50(2–3):464–8

Effects of luminance gradient reversal on complex cells in cat striate cortex. Hammond P, et al. **Exp Brain Res** 1983; 49(3):453–6

Orientation selectivity and the spatial distribution of enhancement and suppression in receptive fields of cat striate cortex cells. Heggelund P, et al. **Exp Brain Res** 1983; 52(2):235–47

Different geniculate inputs to B and C cells of cat striate cortex. Henry GH, et al. **Exp Brain Res** 1983;52(2):179–89

Organization and properties of visually responsive neurones in the suprageniculate nucleus of the cat. Hicks TP, et al. **Exp Brain Res** 1984;55(2):359–67

Shortage of binocular cells in area 17 of visual cortex in cats with congenital strabismus. Hoffmann KP, et al. **Exp Brain Res** 1984;55(3):470–82

Visual modulation of neuronal activity within the rat vestibular nuclei. Horn KM, et al. **Exp Brain Res** 1983; 52(2):311–3

Visual and vestibular contributions to prelanding EMG during jump-downs in cats. McKinley PA, et al. **Exp Brain Res** 1983;52(3):439–48

Locomotion in adult cats with early vestibular deprivation: visual cue substitution. Marchand AR, et al. **Exp Brain Res** 1984;54(3):395–405

Visual orientation and detection following lesions of the superior colliculus in rats. Milner AD, et al. **Exp Brain Res** 1984;56(1):106–14

Cortical and tectal control of visual orientation in the gerbil: evidence for parallel channels. Mlinar EJ, et al. **Exp Brain Res** 1984;55(1):33–48

Visual perception fields in the superficial layers of the opossum's superior colliculus: representation of the ipsi and contralateral hemifields by each eye. Ramôa AS, et al. **Exp Brain Res** 1983;49(3):373–80

Adaptive sensitivity of the surround mechanism of cat retinal ganglion cells. Robertson TW, et al. **Exp Brain Res** 1983; 52(3):449–54

The spatiotemporal building blocks of X-, Y- and W-ganglion cell receptive fields of the cat's retina. Stein A, et al. **Exp Brain Res** 1983;49(3):341–52

Natural strabismus in non-Siamese cats: lack of binocularity in the striate cortex. von Grünau MW, et al. **Exp Brain Res** 1983;52(2):307–10

Human visual development over the first 6 months of life. A review and a hypothesis. Atkinson J. **Hum Neurobiol** 1984;3(2):61–74 (186 ref.)

Organization of the cat's lateral geniculate nucleus following interruption of prenatal binocular competition. Chalupa LM, et al. **Hum Neurobiol** 1984;3(2):103–7

Visual plasticity as revealed in the two-dimensional modulation transfer function of a meridional amblyope. Daugman JG. **Hum Neurobiol** 1983;2(2):71–6

The minimum extent of corpus callosum connections required for normal visual development in the cat. Elberger AJ. **Hum Neurobiol** 1984;3(2):115–20

Visual development. Fiorentini A. **Hum Neurobiol** 1984; 3(2):59–60

Manifestation of pathological inertia of fixation during perception of complex patterns. Kuz'mina TB, et al. **Hum Physiol** 1983 Sep–Oct;9(5):355–60

Hemisphere specialization of the animal brain for information processing principies. Bianki VL. **Int J Neurosci** 1983 Jul; 20(1–2):75–89

Hemisphere specialization, bilaterality, and sex dimorphism in noise resistance. Bianki VL, et al. **Int J Neurosci** 1983 Oct;21(1–2):67–83

Cerebral activation patterns in an arithmetic and a visuospatial processing task. Papanicolaou AC, et al. **Int J Neurosci** 1983 Sep;20(3–4):283–7

Seeing with the visual cortex. Camarda RM. **Ital J Neurol Sci** 1984 Jun;5(2):133–53 (80 ref.)

A method of evaluating eye-hand coordination and visual reaction time in athletes. Sherman A. **J Am Optom Assoc** 1983 Sep;54(9):801–2

The representation of the visual field in parvicellular and magnocellular layers of the lateral geniculate nucleus in the macaque monkey. Connolly M, et al. **J Comp Neurol** 1984 Jul 10;226(4):544–64

An atlas of the primary visual projections in the brain of the chick Gallus gallus. Ehrlich D, et al. **J Comp Neurol** 1984 Mar 10;223(4):592–610

Structural basis of orientation sensitivity of cat retinal ganglion cells. Leventhal AG, et al. **J Comp Neurol** 1983 Nov 10;220(4):465–75

Relationship between preferred orientation and receptive field position of neurons in cat striate cortex. Leventhal AG. **J Comp Neurol** 1983 Nov 10;220(4):476–83

Organization of the cat's optic tract as assessed by single-axon recordings. Mastronarde DN. **J Comp Neurol** 1984 Jul 20;227(1):14–22

Axons connecting somata and axon terminals of luminosity-type horizontal cells in the turtle retina: receptive field studies and intracellular injections of HRP. Ohtsuka T. **J Comp Neurol** 1983 Oct 20;220(2):191–8

Cerebellar targets of visual pontine cells in the cat. Robinson FR, et al. **J Comp Neurol** 1984 Mar 10;223(4):471–82

Effects of unequal alternating monocular exposure on the sizes of cells in the cat's lateral geniculate nucleus. Tieman SB, et al. **J Comp Neurol** 1984 May 1;225(1):119–28

Constitutional biases in early perceptual learning: I. Preferences between colors, patterns, and composite stimuli of colors and patterns in genetically manipulated and imprinted quail chicks (C. coturnix japonica). Kovach JK. **J Comp Psychol** 1983 Sep;97(3):226–39

Constitutional biases in early perceptual learning II. Visual preferences in artificially selected, visually naive and imprinted quail chicks (C. coturnix japonica). Kovach JK. **J Comp Psychol** 1983 Sep;97(3):240–8

Configural processing of faces in the left and the right cerebral hemispheres. Sergent J. **J Exp Psychol [Hum Percept]** 1984 Aug;10(4):554–72

Electrical responses to direct and indirect photic stimulation of the pineal gland in the pigeon. Semm P, et al. **J Neural Transm** 1983;58(3–4):281–9

On the possible role of temporal delays of afferent processing in Parkinson's disease. Bodis-Wollner I, et al. **J Neural Transm [Suppl]** 1983;19:243–52

Retinal illumination produces synaptic inhibition of a neurosecretory organ in the crayfish, Pacifastacus leniusculus (Dana). Kirk MD, et al. **J Neurobiol** 1983 Nov; 14(6):473–80

Columnar organization of directionally selective cells in visual area MT of the macaque. Albright TD, et al. **J Neurophysiol** 1984 Jan;51(1):16–31

Stimulus rate dependence of regional cerebral blood flow in human striate cortex, demonstrated by positron emission tomography. Fox PT, et al. **J Neurophysiol** 1984 May; 51(5):1109–20

Recovery from effects of brief monocular deprivation in the kitten. Malach R, et al. **J Neurophysiol** 1984 Mar; 51(3):538–51

Anatomical and functional organization of pathway from superior colliculus to lateral posterior nucleus in hamster. Mooney RD, et al. **J Neurophysiol** 1984 Mar;51(3):407–31

Visual responses of inferior temporal neurons in awake rhesus monkey. Richmond BJ, et al. **J Neurophysiol** 1983 Dec; 50(6):1415–32

Effects of parietal injury on covert orienting of attention. Posner MI, et al. **J Neurosci** 1984 Jul;4(7):1863–74

A new photographic method for mapping spatio-temporal receptive field using television snow stimulation. Hida E, et al. **J Neurosci Methods** 1983 Jul;8(3):225–30

Detection of light and flicker at low luminance levels in the human peripheral visual system. I. Psychophysical experiments. Zuidema P, et al. **J Opt Soc Am [A]** 1984 Jul;1(7):764–74

Mathematical model of visual perception. Victorri B, et al. **J Theor Biol** 1984 May 21;108(2):227–60

Visual hyperacuity [news] Braddick O. **Nature** 1984 Mar 15–21;308(5956):228–9

Real and apparent movement nulled. Gregory RL, et al. **Nature** 1984 Feb 23–29;307(5953):729–30

Changes in geniculate cell size following brief monocular blockade of retinal activity in kittens. Kuppermann BD, et al. **Nature** 1983 Dec 1–7;306(5942):465–8

Recovery of function after brain damage: differences in aged rats? LeVere ND. **Neurobiol Aging** 1983 Fall;4(3):181–5

Vocal responses to left visual stimuli following forebrain commissurotomy. Johnson LE. **Neuropsychologia** 1984; 22(2):153–66

Bilateral visual cross-integration by human forebrain commissurotomy subjects. Johnson LE. **Neuropsychologia** 1984;22(2):167–75

Visuoperceptual and visuomotor abilities and locus of lesion. Kim Y, et al. **Neuropsychologia** 1984;22(2):177–85

Nasotemporal overlap investigated in a case of agenesis of the corpus callosum. Lines CR. **Neuropsychologia** 1984; 22(1):85–90

The effects of field size and luminance on contrast sensitivity differences between specifically reading disabled and normal children. Martin F, et al. **Neuropsychologia** 1984; 22(1):73–7

Hemispheric asymmetries in processing emotional expressions. Natale M, et al. **Neuropsychologia** 1983; 21(5):555–65

Contributions to the study of 'blindsight'—II. The role of specific practice for saccadic localization in patients with postgeniculate visual field defects. Zihl J, et al. **Neuropsychologia** 1984;22(1):13–22

Contributions to the study of 'blindsight'—I. Can stray light account for saccadic localization in patients with postgeniculate field defects? Zihl J, et al **Neuropsychologia** 1984;22(1):1–11

Neuronal level of organization of the visual analyzer in frog tectum. Aleinikova TV, et al. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):313–8

Effect of early light deprivation on acetylcholinesterase activity in the visual cortex. Busnyuk MM. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):122–5

Interhemispheric functional relations during conditioning in man. Kostandov EA, et al. **Neurosci Behav Physiol** 1983 May–Jun;13(3):151–7

Characteristics of receptive fields of posterior temporal cortical neurons in cats. Manasyan KA. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):236–8

Differentiation of the intensity of photic stimuli. Polivannaya MF, et al. **Neurosci Behav Physiol** 1983 Jan–Feb; 13(1):68–72

Effect of stimulation of cortical association areas in rabbits on evoked potentials and unitary responses in the visual cortex. Savchenko EI, et al. **Neurosci Behav Physiol** 1983 Jan–Feb;13(1):7–12

Postnatal development of functional influences of cortical association areas on the visual cortex in rabbits. Savchenko EI, et al. **Neurosci Behav Physiol** 1983 Jul–Aug;13(4):241–2

Effect of heteromodal stimulation on visual evoked responses in rabbits. Shostak VI. **Neurosci Behav Physiol** 1983 Mar–Apr;13(2):83–4

Reflection of quantitative parameters of series of unreinforced stimuli of different modalities in cortical evoked potentials. Varga ME, et al. **Neurosci Behav Physiol** 1983 Sep–Oct; 13(5):378–84

Interaction of autorhythmic and reflex mechanisms in the responses of immature cortex of rabbit to rhythmic afferent stimuli. Voino-Yasenetskii AV, et al. **Neurosci Behav Physiol** 1984 Jul–Aug;14(4):342–8

Light-induced changes in extracellular volume in the retina of the drone, Apis mellifera. Orkand RK, et al. **Neurosci Lett** 1984 Apr 6;45(3):273–8

Acousticolateral and visual processing and their interaction in the torus semicircularis of the trout, Salmo gairdneri. Schellart NA. **Neurosci Lett** 1983 Nov 21;42(1):39–44

Abstracts of the fourth meeting of the Australian Neuroscience Society. Canberra, Australia, February 8–10, 1984. **Neurosci Lett [Suppl]** 1984;15:S1–71

Visual (optokinetic), somesthetic and vestibular inputs to the frog cerebellum. Amat J, et al. **Neuroscience** 1984 Apr; 11(4):877–84

Visual (optokinetic) and somesthetic inputs to the cerebellum of bilaterally labyrinthectomized frogs. Amat J, et al. **Neuroscience** 1984 Apr;11(4):885–91

Critical period plasticity for visual function: definition in monocularly deprived rats using visually evoked potentials. Stafford CA. **Ophthalmic Physiol Opt** 1984;4(1):95–100

Visual perceptions and observations of an aphakic surgeon. Anderson RM. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1211–8

Seventh European Conference on Visual Perception. Cambridge, England, 31 August–3 September 1984. Abstracts. **Perception** 1984;13(1):A1–50

An effective paradigm for conditioning visual perception in human subjects. Davies P, et al. **Perception** 1982; 11(6):663–9

The effect of head movements on visual and auditory dominance. Easton RD. **Perception** 1983;12(1):63–70

The extent of Panum's area and the human cortical magnification factor. Hampton DR, et al. **Perception** 1983; 12(2):161–5

Human cerebral potentials and visuomotor learning. Lang W, et al. **Pflugers Arch** 1983 Dec;399(4):342–4

Validity of the Gaussian assumption in the analysis of ROC data obtained from scintigraphic-like images. Guignard PA, et al. **Phys Med Biol** 1983 Dec;28(12):1409–17

Cerebellum mediates modality-specific modulation of sensory responses of midbrain and forebrain in rat. Crispino L, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2917–20

Failure to integrate information from successive fixations [letter] Jonides J, et al. **Science** 1983 Oct 14;222(4620):188

Detection of intermodal numerical correspondences by human infants. Starkey P, et al. **Science** 1983 Oct 14; 222(4620):179–81

Effects of rectilinear acceleration and optokinetic and caloric stimulations in space. von Baumgarten R, et al. **Science** 1984 Jul 13;225(4658):208–12

Background visibility and increment thresholds. Buck SL, et al. **Vision Res** 1983;23(10):1107–13

Duration discrimination between weak test lights. Casson EJ, et al. **Vision Res** 1984;24(7):641–5

Binocular fusion regarded as simple summation of monocular photopic luminances. Cogan AI. **Vision Res** 1983; 23(12):1725–9

Functional basis for the preference for slow movement in area 17 of the cat. Duysens J, et al. **Vision Res** 1984; 24(1):17–24

Mechanisms of visual sensitivity: backgrounds and early dark adaptation. Geisler WS. **Vision Res** 1983;23(12):1423–32

The detection of motion in the peripheral visual field. McKee SP, et al. **Vision Res** 1984;24(1):25–32

Temporal and spatial characteristics of the upper displacement limit for motion in random dots. Nakayama K, et al. **Vision Res** 1984;24(4):293–9

Factors influencing velocity coding in the human visual system. Orban GA, et al. **Vision Res** 1984;24(1):33–9

Integrating visual information from successive fixations: does trans-saccadic fusion exist? O'Regan JK, et al. **Vision Res** 1983;23(8):765–8

Cortical mapping and perceptual invariance: a reply to Cavanagh. Schwartz EL. **Vision Res** 1983;23(8):831–5

The coding of velocity of movement in the human visual system. Thompson P. **Vision Res** 1984;24(1):41–5

Temporal order detection for foveal and peripheral visual stimuli. Westheimer G. **Vision Res** 1983;23(8):759–63

Reversing ocular dominance and suppression in a single flash. Wolfe JM. **Vision Res** 1984;24(5):471–8

[Role of the corpus callosum in interhemispheric transfer of visual learning in the Siamese cat] Leporé F, et al. **Can J Psychol** 1983 Dec;37(4):545–46 (Eng. Abstr.) **(Fre)**

[Changes in reaction potentials in neurotic depression] Munz D, et al. **EEG EMG** 1984 Jun;15(2):105–10 (Eng. Abstr.) **(Ger)**

[Psychophysical studies of visual function] Rentschler I. **Fortschr Ophthalmol** 1983;80(5):409–14 (Eng. Abstr.) **(Ger)**

[Neurophysiologic remarks on the central nervous system principles of vision] Singer W. **Fortschr Ophthalmol** 1983; 80(5):355–9 (Eng. Abstr.) **(Ger)**

[Light perception and noogenesis. Studies on the optical use of electromagnetic wave energy by the photoreceptor organ, the eye, as a prerequisite for the higher development of life forms up to the 'illumination of existence' (K. Jaspers)] Schreemann N. **Psychother Psychosom Med Psychol** 1983 Sep;33(5):183–8 (Eng. Abstr.) **(Ger)**

[Perception of light modulation] Accornero N, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1980–3 (Eng. Abstr.) **(Ita)**

[Selective interference for the right hemisphere in a task of visual-motor exploration] Liotti M, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):195–200 (Eng. Abstr.) **(Ita)**

[Analysis of Helmholtz-Hering illusion by a multi-channel model] Morita T, et al. **Iyodenshi To Seitai Kogaku** 1983 Apr;21(2):87–92 (Eng. Abstr.) **(Jpn)**

[Lightness decrease of the total area accompanying simultaneous lightness contrast] Hamada J. **Shinrigaku Kenkyu** 1983 Jun;54(2):115–22 (Eng. Abstr.) **(Jpn)**

[The effects of spatial arrangement upon selective letter perception] Watanabe I. **Shinrigaku Kenkyu** 1983 Jun; 54(2):131–4 (Eng. Abstr.) **(Jpn)**

[Effect of destruction of the hyperstriatum on the differentiation of visual stimuli in chickens] Polivannaia MF, et al. **Fiziol Zh** 1983 Jul–Aug;29(4):387–92 (Eng. Abstr.) **(Rus)**

[Morpho-functional organization of the optic thalamic system in the frog] Alelnikova TV, et al. **Fiziol Zh SSSR** 1983 Aug;69(8):1008–14 (Eng. Abstr.) **(Rus)**

[Responses and organization of the receptive fields of neurons of the basal optic nucleus of the frog tegmentum during visual stimulation] Alelnikova TV, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):9–15 (Eng. Abstr.) **(Rus)**

[Spatial organization of visual cortex neurons during stimulation with light spots] Chebkasov SA. **Fiziol Zh SSSR** 1983 Aug;69(8):1099–1101 **(Rus)**

[Activity of neurons of the somatosensory and visual cortex in the rabbit during visual field testing and performance of food-getting behavior] Aleksandrov Iul, et al. **Neirofiziologiia** 1984;16(2):254–62 (Eng. Abstr.) **(Rus)**

[Sensory properties of neurons of a nonspecific brain structure—the caudate nucleus] Cherkes VA, et al. **Neirofiziologiia** 1984;16(3):384–94 (Eng. Abstr.) **(Rus)**

[Responses of caudate nucleus neurons to different visual stimuli in the actively awake cat] Cherkes VA, et al. **Neirofiziologiia** 1983;15(4):370–6 (Eng. Abstr.) **(Rus)**

[Orientational tuning of visual cortex neurons to different stimulus intensities in the cat] Lazareva NA, et al. **Neirofiziologiia** 1983;15(4):347–54 (Eng. Abstr.) **(Rus)**

[Orientation selectivity of visually sensitive neurons of the lateral suprasylvian region of the cat cerebral cortex] Purtulite AV, et al. **Neirofiziologiia** 1983;15(6):653–6 (Eng. Abstr.) **(Rus)**

[Correlation of topographic and spatial–frequency characteristics of the lateral suprasylvian region and the striate cortex in the cat] Shelepin IuE. **Neirofiziologiia** 1984; 16(1):35–41 (Eng. Abstr.) **(Rus)**

[Features of the dynamic reorganization of the receptive fields of visual neurons of the cerebral cortex and lateral geniculate body in the cat in response to changes in the parameters of photic stimulation] Shevelev IA, et al. **Neirofiziologiia** 1983;15(4):339–46 (Eng. Abstr.) **(Rus)**

[Double orientation tuning of visual cortex neurons in the cat] Shevelev IA, et al. **Neirofiziologiia** 1983;15(5):459–65 (Eng. Abstr.) **(Rus)**

[Spatial distribution and response interaction in the receptive fields of lateral geniculate body neurons in the cat] Val'tsev VB. **Neirofiziologiia** 1983;15(5):451–8 (Eng. Abstr.) **(Rus)**

[Differences in the dynamics of the visual receptive field and its summation zones in the cat] Volgushev MA, et al. **Neirofiziologiia** 1983;15(5):466–72 (Eng. Abstr.) **(Rus)**

[Visual monitoring of pilotage-navigational instrumentation by pilots during flight] Litovchenko VV, et al. **Voen Med Zh** 1983 Oct;(10):70–2 **(Rus)**

[Quantitative evaluation of visual gnosis in children with focal brain lesions] Pencheva S, et al. **Zh Nevropatol Psikhiatr** 1983;83(10):1488–92 (Eng. Abstr.) **(Rus)**

[Characteristics of the interaction of image and conditioned reflex memory during the ontogeny of chimpanzees] Firsov LA, et al. **Zh Vyssh Nerv Deiat** 1984 May–Jun;34(3):444–50 (Eng. Abstr.) **(Rus)**

[Phasic reactions to a flash of light in a microvolume of the visual cortex during stimulation of the midbrain reticular formation] Iakupova LP. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):160–2 **(Rus)**

[Mechanisms of visual generalization] Prazdnikova NV, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):839–46 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the latent periods of adjacent neurons in microareas of the visual cortex] Sil'kis IG, et al. **Zh Vyssh Nerv Deiat** 1983 Sep–Oct;33(5):877–84 (Eng. Abstr.) **(Rus)**

[Hemispheric specialization of recognition of textured images in the rat] Udalova GP. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb; 34(1):53–61 (Eng. Abstr.) **(Rus)**

[Effect of music on motor reaction time and interhemispheric relations] Zakharova NN, et al. **Zh Vyssh Nerv Deiat** 1984 Mar–Apr;34(2):212–8 (Eng. Abstr.) **(Rus)**

VITAL CAPACITY

The UCLA population studies of chronic obstructive respiratory disease. VI. Relationship of physiologic factors to rate of change in forced expiratory volume in one second and forced vital capacity. Detels R, et al. **Am Rev Respir Dis** 1984 Apr;129(4):533–7

Antishock trouser inflation and pulmonary vital capacity. McCabe JB, et al. **Ann Emerg Med** 1983 May;12(5):290–3

Ventilatory capacity in Nigerian school children. Oduwole O, et al. **Ann Trop Paediatr** 1983 Sep;3(3):103–9

Inspiratory and expiratory vital capacity. Bencowitz HZ. **Chest** 1984 Jun;85(6):834–5

The flow-volume loop during glossopharyngeal breathing. Mazza FG, et al. **Chest** 1984 May;85(5):638–40

The exclusion of restrictive lung disease by spirometric criteria in patients with a reduced forced vital capacity. Eichenhorn MS, et al. **Henry Ford Hosp Med J** 1983; 31(2):101–3

Vital capacity of quadriplegic patients treated with hyperbaric oxygen. Hart GB, et al. **J Am Paraplegia Soc** 1984 Jan;7(1):8–9

Longitudinal versus cross-sectional vital capacity changes and affecting factors. Dontas AS, et al. **J Gerontol** 1984 Jul;39(4):430–8

Differential ethnic standards for lung functions, or one standard for all? Myers JE. **S Afr Med J** 1984 May 12; 65(19):768–72 (31 ref.)

[Method related differences in vital capacity] Hansen LM, et al. **Ugeskr Laeger** 1983 Sep 5;145(36):2752–6 (Eng. Abstr.) **(Dan)**

[Analysis of closing volume and the distribution of inspired gas in cardiac insufficiency] Vargas FS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jan–Feb;38(1):30–4 (Eng. Abstr.) **(Por)**

[Determination of forced vital capacity in schoolchildren] Anchugin BA, et al. **Pediatriia** 1983 Sep;(9):32–3 **(Rus)**

[Sputum viscosity and respiratory function in chronic obstructive pulmonary disease] Sueiro Bendito A, et al. **Med Clin (Barc)** 1983 Nov 19;81(16):705–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[Changes in the regional vital capacity of the lung in tuberculotics depending on treatment effectiveness] Agapov Iula, et al. **Probl Tuberk** 1984 Jun;(6):26–30 (Eng. Abstr.) **(Rus)**

VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

VITAL STATISTICS

see related
BIOMETRY
POPULATION GROWTH
RECORDS
SEX RATIO

Interpreting trends in vital statistics [letter] Imrey HH. **Am J Public Health** 1984 Oct;74(10):1169

What the vital statistics system can and cannot do [editorial] Zemach R. **Am J Public Health** 1984 Aug;74(8):756–8

The estimation of age, period and cohort effects for vital rates. Holford TR. **Biometrics** 1983 Jun;39(2):311–24

An evaluation of estimates of underenumeration in the census and the age pattern of mortality, Philadelphia, 1880. Condran GA. **Demography** 1984 Feb;21(1):53–69

Health information service in India [editorial] Seal SC. **Indian J Public Health** 1983 Jul–Sep;27(3):77–9

Cancer II. Distortions in standardized rates. Burack TS, et al. **J Occup Med** 1983 Oct;25(10):737–44

Building individual histories with registries. A case study. Roos LL Jr, et al. **Med Care** 1983 Oct;21(10):955–69

Annual summary of vital statistics—1982. Wegman ME. **Pediatrics** 1983 Dec;72(6):755–65

Vital records as indicators of chronic diseases. Beare JA, et al. **West J Med** 1983 Aug;139(2):234–5

A comparison of reported differences in definitions of vital events and statistics. Mugford M. **World Health Stat Q** 1983;36(2):201–12 **(Eng, Fre)**

[Psychosomatic relations between the date of death and birth] Stumpfe KD. **Aktuel Gerontol** 1983 Nov;13(6):244–7 (Eng. Abstr.) **(Ger)**

[Under-reporting of vital events: strategies for its decrease] de Mello Jorge MH. **Rev Saude Publica** 1983 Apr; 17(2):148–51 **(Por)**

VITALISM

The physical and chemical path to vitalism: Xavier Bichat's Physiological Researches on Life and Death. Sutton G. **Bull Hist Med** 1984 Spring;58(1):53–71

The origins of anesthesia: part II. Nuland SB. **Conn Med** 1984 Jun;48(6):379–83 contd

[The spirit and the vital sentiments (editorial)] López Ibor JJ. **Actas Luso Esp Neurol Psiquiatr** 1983 Nov–Dec; 11(6):429–32 **(Spa)**

VITALLIUM see under **CHROMIUM ALLOYS**

VITAMIN A

Assessment of three brief methods of estimation of vitamin A and C intakes for a prospective study of cancer: comparison with dietary history. Gray GE, et al. **Am J Epidemiol** 1984 Apr;119(4):581–90

Dietary vitamin A, carotene, vitamin C and risk of lung cancer in Hawaii. Hinds MW, et al. **Am J Epidemiol** 1984 Feb;119(2):227–37

Comparison of self- and surrogate-reported dietary information. Humble CG, et al. **Am J Epidemiol** 1984 Jan; 119(1):86–98

Vitamin A: evidence for its preventive role in human cancer. Kummet T, et al. **Nutr Cancer** 1983;5(2):96–106 (53 ref.)

Vitamin A: technology and applications. Bauernfeind JC. **World Rev Nutr Diet** 1983;41:110–99 (244 ref.)

ADMINISTRATION & DOSAGE

Effect of dietary coconut oil and casein and megadoses of vitamin A or C on tissue lipid peroxidation and hemolysis in vitamin E deficiency. Krishnamurthy S, et al. **Acta Vitaminol Enzymol** 1983;5(3):165–70

Vitamin A losses to plastic intravenous infusion devices and an improved method of delivery. Gutcher GR, et al. **Am J Clin Nutr** 1984 Jul;40(1):8–13

Developmental pattern of DNA and proteins in brain, liver, lung and heart of rats given excess vitamin A postnatally. Shukla RR, et al. **Biol Neonate** 1983;44(4):243–50

Effect of high vitamin A or tocopherol intake on hepatic lipid metabolism and intestinal absorption and secretion of lipids and bile acids in the chick. Sklan D. **Br J Nutr** 1983 Sep;50(2):409–16

Effect of vitamin A on lung tumorigenesis in irradiated and unirradiated strain A mice. Mian TA, et al. **Cancer Lett** 1984 Feb;22(1):103–12

Serum vitamin A levels after administration of aqueous & oil vitamin A preparations in normal children & children with protein–energy malnutrition. Jain MR, et al. **Indian J Ophthalmol** 1983 Sep;31(5):654–5

Relationship between vitamin A and iron in the liver. Staab DB, et al. **J Nutr** 1984 May;114(5):840–4

Impact of massive doses of vitamin A on incidence of nutritional blindness. Vijayaraghavan K, et al. **Lancet** 1984 Jul 21;2(8395):149–51

Prevention of transplacentally induced malignant diseases. Wrba H, et al. **Oncology** 1984;41(1):33–5

Superdose vitamin A therapy for acne poses hazards. **Postgrad Med** 1984 Jan;75(1):39, 42

Dietary level of fat, calcium, and vitamins A and D3 as contributory factors to rickets in poults. Stevens VI, et al. **Poult Sci** 1983 Oct;62(10):2073–82

[The effect of preventive administration of vitamin A and E to piglets fed a complete mixture] Dvořák M. **Vet Med (Praha)** 1983 Nov;28(11):641–50 (Eng. Abstr.) **(Cze)**

[Vitamin A requirement of growing swine. 1. Effect of vitamin A supply on growth of piglets and fattening swine] Schöne F, et al. **Arch Tierernahr** 1984 Mar;34(3):205–18 (Eng. Abstr.) **(Ger)**

[Results of treatment on laryngeal cancer] Komiyama S. **Gan To Kagaku Ryoho** 1984 Jun;11(6):1204–9 (Eng. Abstr.) **(Jpn)**

[Nutritive value of the daily diet of adolescents living in boarding schools. IV. Vitamin A, beta-carotene and alpha-tocopherol contents] Secomska B, et al. **Rocz Panstw Zakl Hig** 1983;34(3):251–6 (Eng. Abstr.) **(Pol)**

[Effect of vitamin A on ascorbic acid levels in the adrenal glands and liver of guinea pigs with larval ascariasis] Jabłonowski Z, et al. **Wiad Parazytol** 1983;29(3):273–88 (Eng. Abstr.) **(Pol)**

[Effect of vitamins A and E on the contractile function of the heart in experimental myocardial infarction] Frolov VA, et al. **Kardiologiia** 1983 Jul;23(7):93–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Hepatic pathology in vitamin A toxicity. Forouhar F, et al. **Ann Clin Lab Sci** 1984 Jul–Aug;14(4):304–10

Pityriasis rubra pilaris [letter] Kohn SR. **Arch Dermatol** 1984 Aug;120(8):995

Phase I trial of retinol in cancer patients. Goodman GE, et al. **J Clin Oncol** 1983 Jun;1(6):394–9

Ingestion of shark liver associated with pseudotumor cerebri due to acute hypervitaminosis A [letter] Misbah SA, et al. **J Neurol Neurosurg Psychiatry** 1984 Feb;47(2):216

Discordant hepatic uptake between Tc-99m sulfur colloid and Tc-99m DISIDA in hypervitaminosis A. Vincent LM, et al. **J Nucl Med** 1984 Feb;25(2):207–8

Vitamin-A-induced anaemia [letter] White JM. **Lancet** 1984 Sep 8;2(8402):573

Honeybee syndrome, glycolysis, and birth defects (continued) [letter] Adams MJ Jr. **N Engl J Med** 1984 Sep 27; 311(13):860

Vitamin A teratogenicity [letter] Hall JG. **N Engl J Med** 1984 Sep 20;311(12):797–8

Hypervitaminosis A enhances hepatotoxicity of ethanol in rats. **Nutr Rev** 1983 Jul;41(7):224–6 (9 ref.)

Adverse effects of large doses of vitamin A and retinoids. Olson JA. **Semin Oncol** 1983 Sep;10(3):290–3 (24 ref.)

Hypervitaminosis A, hypercalcemia and hemodialysis [letter] Davis DR. **West J Med** 1983 Aug;139(2):231

[Hypervitaminosis A: physiopathology and liver toxicity] Geubel AP, et al. **Rev Med Liege** 1983 Sep 15;38(18):679–84 **(Fre)**

[Effect of hypervitaminosis A on the rat small intestine epithelium] Gadzhieva ZM, et al. **Biull Eksp Biol Med** 1984 Jan;97(1):108–10 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

A controlled study on the effect of injected water-miscible retinyl palmitate on plasma concentrations of retinol and retinol-binding protein in children with measles in northern Nigeria. James HO, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):22–8

Inhibition of stomal recurrence in laryngectomy with preoperative far therapy. A statistical evaluation. Komiyama S, et al. **Auris Nasus Larynx** 1984;11(1):43–9

Photo-affinity label for cellular retinol-binding protein. Sheves M, et al. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):577–82

Interactions between retinyl phosphate and bivalent cations. Shidoji Y, et al. **Biochem J** 1983 Sep 15;214(3):719–24

Metabolism and biological activity of all-trans 4,4-difluororetinyl acetate. Barua AB, et al. **Biochim Biophys Acta** 1984 Jun 15;799(2):128–34

An inhibitor of mannosylation of retinyl-phosphate. Datema R, et al. **Biosci Rep** 1984 Mar;4(3):213–21

Retinyl palmitate, retinyl phosphate, and dolichyl phosphate of postnuclear membrane fraction from hepatoma, host liver, and regenerating liver: marginal vitamin A status of hepatoma tissue. De Luca LM, et al. **Cancer Res** 1984 Jan; 44(1):224–32

Retinoid feeding, hormone inhibition, and/or immune stimulation and the progression of N-methyl-N-nitrosourea-induced rat mammary carcinoma: suppression by retinoids of peptide hormone-induced tumor cell proliferation in vivo and in vitro. Welsch CW, et al. **Cancer Res** 1984 Jan;44(1):166–71

Relation between induction of rat hepatic ornithine decarboxylase activity by tumor promoters 12-O-tetradecanoylphorbol-13-acetate and phenobarbital and levels of the polyamines putrescine, spermidine and spermine, in vivo; differential effects of retinyl-acetate. Van Rooijen LA, et al. **Carcinogenesis** 1984 Feb;5(2):225–9

Opalina ranarum: inhibitory effect of 13-cis-retinoic acid or retinyl palmitate on the induction of cyst formation. Sadek IA. **Exp Parasitol** 1983 Oct;56(2):241–6

Prevention of 3-methylcholanthrene-induced skin tumors in mice by simultaneous application of 13-cis-retinoic acid and retinyl palmitate (vitamin A palmitate). Abdel-Galil AM, et al. **Exp Pathol** 1984;25(2):97–102

Enhancement of contact sensitization in mice fed a diet enriched in vitamin A acetate. Miller K, et al. **Int Arch Allergy Appl Immunol** 1984;75(2):120–5

Analysis of retinol and dideuterated retinol in rat plasma by gas chromatography combined mass spectrometry. Cullum ME, et al. **Int J Vitam Nutr Res** 1984;54(1):11–6

Analysis of deuterated analogs of vitamin A by electron impact and chemical ionization modes in gas chromatography coupled to mass spectrometry. Cullum ME, et al. **Int J Vitam Nutr Res** 1984;54(1):3–10

Modulation by retinyl acetate of microfilament bundle formation in C3H/10T1/2 cells. Mordan LJ, et al. **J Cell Biochem** 1984;24(1):15–25

Isolation and characterization of vitamin A-sensitive Chinese hamster lung cell lines. Ikezaki K, et al. **J Cell Physiol** 1983 Oct;117(1):15–22

High-performance liquid chromatography of the unsaponifiable from samples of marine and freshwater fish: fractionation and identification of retinol (vitamin A1) and dehydroretinol (vitamin A2) isomers. Stancher B, et al. **J Chromatogr** 1984 Apr 6;287(2):353–64

Synthesis of 4, 4-difluoro analogs of retinol and retinoic acid. Barua AB, et al. **J Lipid Res** 1984 Mar;25(3):304–9

Lack of secretion of retinyl ester by livers of normal and cholesterol-fed rabbits. Thompson KH, et al. **J Nutr** 1983 Oct;113(10):1995–2001

Evaluation of vitamin A stores [letter] Amédée-Manesme O. **J Pediatr** 1984 Aug;105(2):338

Dose response effect of retinyl acetate on DMBA induced carcinogenesis in the hamster cheek pouch. Kandarkar SV, et al. **Neoplasma** 1984;31(4):415–21

Retardation of experimental oral cancer development by retinyl acetate. Burge-Bottenbley A, et al. **Nutr Cancer** 1983;5(3–4):121–9

A diet enriched in vitamin A acetate or in vivo administration of interleukin-2 can counteract a tolerogenic stimulus. Malkovský M, et al. **Proc R Soc Lond [Biol]** 1984 Feb 22; 220(1221):439–45

Oxygen consumption and survival prediction in neonatal rats exposed to prenatal hypervitaminosis A. Newman LM, et al. **Teratology** 1983 Oct;28(2):219–27

Retinyl acetate-mediated augmentation of resistance to a transplantable 3-methylcholanthrene-induced fibrosarcoma. The dose response and time course. Malkovský M, et al. **Transplantation** 1984 Aug;38(2):158–61

[Change in the histochemical and morphometric indices of the mouse mammary gland during administration of various doses of vitamin A] Afanas'eva IuI, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):97–9 (Eng. Abstr.) **(Rus)**

[Effect of high doses of retinol acetate on the 3-beta-ol-steroid dehydrogenase and alkaline phosphatase content in mouse ovaries] Braun MA. **Biull Eksp Biol Med** 1983 Sep;96(9):110–2 (Eng. Abstr.) **(Rus)**

[Effect of different doses of retinol acetate on the RNA and total protein content of rodent ovaries and endometrium] Braun MA, et al. **Biull Eksp Biol Med** 1983 Sep; 96(9):108–10 (Eng. Abstr.) **(Rus)**

[Correction of biochemical and immunological indices in colonic cancer using optimal doses of retinyl acetate and ascorbic acid] Sergeev AV. **Biull Eksp Biol Med** 1983 Sep; 96(9):90–2 (Eng. Abstr.) **(Rus)**

[Changes in the rat intestinal mucosa in hypervitaminosis A] Gadzhieva ZM, et al. **Vopr Pitan** 1984 May-Jun;(3):47–50 (Eng. Abstr.) **(Rus)**

ANALYSIS

Relation of the relative dose response to liver concentrations of vitamin A in generally well-nourished surgical patients. Amédée-Manesme O, et al. **Am J Clin Nutr** 1984 Jun; 39(6):898–902

The correlation between liver vitamin A concentrations in micro- (needle biopsy) and macrosamples of human liver specimens obtained at autopsy. Amédée-Manesme O, et al. **Am J Clin Nutr** 1984 Feb;39(2):315–9

Liver levels of retinol in unselected necropsy specimens: a prevalence survey of vitamin A deficiency in Recife, Brazil. Flores H, et al. **Am J Clin Nutr** 1984 Jul;40(1):146–52

Liver concentrations of vitamin A and carotenoids, as a function of age and other parameters, of American children who died of various causes. Olson JA, et al. **Am J Clin Nutr** 1984 Jun;39(6):903–10

Rapid procedure for the determination of vitamins A and D in fortified skimmed milk powder using high-performance liquid chromatography. Reynolds SL, et al. **Analyst** 1984 Apr;109(4):489–92

Uterine cervix cancer. II. Vitamin A and sialic acid determination in the vaginal secretion. Luna G, et al. **Arch Invest Med (Mex)** 1983 Oct-Dec;14(4):321–30 **(Eng, Spa)**

Retinyl palmitate, retinyl phosphate, and dolichyl phosphate of postnuclear membrane fraction from hepatoma, host liver, and regenerating liver: marginal vitamin A status of hepatoma tissue. De Luca LM, et al. **Cancer Res** 1984 Jan; 44(1):224–32

Phospholipids, vitamin A and ubiquinone of the Golgi apparatus subfractions from rat liver after acute ethanol intoxication. Casu A, et al. **Exp Pathol** 1984;25(4):251–5

Effects of grinding and storage for one month on retention of vitamin A in premixes and mineral supplements. Parrish DB, et al. **J Assoc Off Anal Chem** 1983 Sep;66(5):1306–8

Improved reverse phase liquid chromatographic determination of vitamins A and D in fortified milk. Wickroski AF, et al. **J Assoc Off Anal Chem** 1984 Jan-Feb; 67(1):62–5

Statistical solvent optimization for the separation of geometric isomers of retinol by high-performance liquid chromatography. Landers GM, et al. **J Chromatogr** 1984 May 18;291:51–7

High-performance liquid chromatography of the unsaponifiable from samples of marine and freshwater fish: fractionation and identification of retinol (vitamin A1) and dehydroretinol (vitamin A2) isomers. Stancher B, et al. **J Chromatogr** 1984 Apr 6;287(2):353–64

Vitamin A and beta-carotene in bovine and porcine plasma, liver, corpora lutea, and follicular fluid. Chew BP, et al. **J Dairy Sci** 1984 Jun;67(6):1316–22

Evaluation of vitamin A stores [letter] Amédée-Manesme O. **J Pediatr** 1984 Aug;105(2):338

The cellular distribution of vitamin A in the liver. Wanless IR. **Liver** 1983 Dec;3(6):403–8

A study of liver reserves of vitamin A in Malaysians. Chandrasekharan N. **Malays J Pathol** 1981 Aug;4:43–7

Testicular atrophy of rats induced by di-2-ethylhexyl phthalate: effects of vitamin A and zinc concentrations in the testis, liver and serum. Oishi S. **Toxicol Lett** 1984 Jan; 20(1):75–8

[Vitamin A content of infants' diets in Jerusalem] Tamir D, et al. **Harefuah** 1983 Feb 15;104(4):149–51 (Eng. Abstr.) **(Heb)**

[Rationalization in the problem of drug analysis: HPLC procedures for the contemporaneous determination of retinol, alpha-tocopherol, their esters, beta-carotene and other carotenoids] Cavina G, et al. **Boll Chim Farm** 1983 Nov;122(11):531–48 (Eng. Abstr.) **(Ita)**

[Tocopherol and vitamin A content in the lipids of whitefish] Ushkalova VN, et al. **Vopr Pitan** 1983 Jul-Aug;(4):64–6 (Eng. Abstr.) **(Rus)**

BLOOD

Acute effects of growth hormone administration: vitamin A and visceral protein concentrations. Kemp SF, et al. **Acta Endocrinol (Copenh)** 1983 Dec;104(4):390–6

A controlled study on the effect of injected water-miscible retinyl palmitate on plasma concentrations of retinol and retinol-binding protein in children with measles in northern Nigeria. James HO, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):22–8

The influence of schistosomiasis on the serum concentrations of retinol and retinol binding protein of a rural population in Liberia. Stürchler D, et al. **Acta Trop (Basel)** 1983 Sep; 40(3):261–9

Lack of direct association between serum transferrin and serum biochemical indicators of vitamin A nutriture. Mejia LA, et al. **Acta Vitaminol Enzymol** 1983;5(3):179–84

Studies of marginal zinc deprivation in rhesus monkeys. III. Effects on vitamin A metabolism. Baly DL, et al. **Am J Clin Nutr** 1984 Aug;40(2):199–207

Vitamin A and hyperparathyroid bone disease in uremia. Cundy T, et al. **Am J Clin Nutr** 1983 Dec;38(6):914–20

Significance of postprandial blood concentrations of retinol, retinol-binding protein, and carotenoids when assessing the vitamin A status of children. Mejia LA, et al. **Am J Clin Nutr** 1984 Jan;39(1):62–5

Vitamins A, E, and carotene: effects of supplementation on their plasma levels. Willett WC, et al. **Am J Clin Nutr** 1983 Oct;38(4):559–66

The relationship of dietary and serum vitamin A to the occurrence of cervical intraepithelial neoplasia in sexually active women. Bernstein A, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):309–12

Simultaneous determination of plasma retinol, alpha-tocopherol, lycopene, alpha-carotene, and beta-carotene by high-performance liquid chromatography. Miller KW, et al. **Anal Biochem** 1984 May 1;138(2):340–5

A simple automated injection technique for the high-pressure liquid chromatographic determination of plasma retinol. Howells DW, et al. **Ann Clin Biochem** 1983 Sep;20 (Pt 5):308–11

Changes in carotenoid and vitamin A levels in young turkeys infected with Eimeria meleagrimitis or E. adenoeides. Augustine PC, et al. **Avian Dis** 1983 Oct-Dec;27(4):963–71

Plasma retinol, beta-carotene and vitamin E levels in relation to the future risk of breast cancer. Wald NJ, et al. **Br J Cancer** 1984 Mar;49(3):321–4

Zinc, vitamin A and prostatic cancer. Whelan P, et al. **Br J Urol** 1983 Oct;55(5):525–8

Skin disorders and vitamin A metabolism disturbances in chronic dialysis patients: the role of zinc, retinol-binding protein, retinol and retinoic acid. Delacoux E, et al. **Clin Chim Acta** 1984 Mar 13;137(3):283–9

Determination of vitamin A by ultraviolet spectrophotometric measurement: some practical considerations on rapid destruction of the vitamin. Khanduja KL, et al. **Clin Chim Acta** 1984 Aug 15; 141(1):67–71

Vitamin A and its transport proteins in patients with chronic renal failure receiving maintenance haemodialysis and after renal transplantation. Kelleher J, et al. **Clin Sci** 1983 Dec; 65(6):619–26

Interference from carotenoids in the fluorometric analysis of serum vitamin A in cancer studies. Thompson JN. **Eur J Cancer Clin Oncol** 1983 Nov;19(11):1645–6

The influence of portosystemic shunting on zinc and vitamin A metabolism in liver cirrhosis. Schölmerich J, et al. **Hepatogastroenterology** 1983 Aug;30(4):143–7

Plasma retinol and retinol-binding protein in pre-term infants born small for gestational age or of appropriate weight for age. Howells DW, et al. **Hum Nutr Clin Nutr** 1984 Mar;38(2):107–11

Vitamin A, D and E status in a Finnish population--a multivitamin study. Parviainen MT, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):397–403

Clinico-biochemical study of xerophthalmia in rural population of Allahabad. Srivastava D, et al. **Indian J Ophthalmol** 1983 Jul;31(4):379–81

Analysis of retinol and dideuterated retinol in rat plasma by gas chromatography combined mass spectrometry. Cullum ME, et al. **Int J Vitam Nutr Res** 1984;54(1):11–6

Vitamin A utilization status in chronic alcoholic patients. Majumdar SK, et al. **Int J Vitam Nutr Res** 1983;53(3):273–9

Clinical chemical methods for the routine assessment of the vitamin status in human populations. Part I: The fat-soluble vitamins A and E, and beta-carotene. Vuilleumier JP, et al. **Int J Vitam Nutr Res** 1983;53(3):265–72

Hypovitaminosis A in Rio Grande do Sul, Brazil. Preliminary study. Wilson D, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:35–44

Serum vitamin A and carotene levels in Thai cancer patients. Skulchan V, et al. **J Med Assoc Thai** 1983 Nov;66(11):700–6

Change in serum vitamin A concentration after an oral dose in children with acute diarrhea. Molla A, et al. **J Pediatr** 1983 Dec;103(6):1000–2

Use of antioxidants in the analysis of vitamins A and E in mammalian plasma by high performance liquid chromatography. Chow FI, et al. **Lipids** 1983 Nov; 18(11):837–41

The risk of cancer and serum vitamin A and E and carotenoids [letter] **N Engl J Med** 1984 Jul 12;311(2):121–3

Relation of serum vitamins A and E and carotenoids to the risk of cancer. Willett WC, et al. **N Engl J Med** 1984 Feb 16;310(7):430–4

Hypervitaminosis A: a contributing factor to anemia in regular dialysis patients. Ono K, et al. **Nephron** 1984; 38(1):44–7

Relationship between vitamin A and bone disease in chronic renal failure. Rylance PB, et al. **Nephron** 1984;35(2):131–5

Serum vitamin and provitamin A levels and the risk of cancer. **Nutr Rev** 1984 Jun;42(6):214–5

Vitamin A status and retinoid-binding proteins in carcinomas of the head and neck region. Bichler E, et al. **Oncology** 1983;40(5):336–9

Vitamin A levels in lung cancer patients. A case-control study. Das NP, et al. **Singapore Med J** 1983 Oct;24(5):285–8

[Vitamin A level and dark adaptation in patients with tumors] Daxecker F, et al. **Klin Monatsbl Augenheilkd** 1984 Feb; 184(2):112–4 (Eng. Abstr.) **(Ger)**

[Effect of renal and liver failure on blood levels of vitamin A, its precursor (beta-carotene) and its carrier proteins (prealbumin and retinol binding protein)] Adoncecchi L, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):881–6 (Eng. Abstr.) **(Ita)**

[Behavior of vitamin A, beta-carotene, retinol binding protein and prealbumin in the plasma of hypo- and hyperthyroid subjects] Marrocco W, et al. **Boll Soc Ital Biol Sper** 1984 Apr 30;60(4):769–75 (Eng. Abstr.) **(Ita)**

[Serum content of vitamin A binding proteins (prealbumin

and retinol binding proteins) in normal and pathological conditions] Suraci C, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):1041–7 (Eng. Abstr.) **(Ita)**

[Simultaneous fluorometric determination of the concentrations of vitamins E and A in blood serum] Cherniauskene RCh, et al. **Lab Delo** 1984;(6):362–5 (Eng. Abstr.) **(Rus)**

[Determination of retinol in human blood plasma using high pressure liquid chromatography] Sergeev AV, et al. **Vopr Med Khim** 1983 Sep–Oct;29(5):54–8 (Eng. Abstr.) **(Rus)**

[Plasma retinol, beta-carotene and ascorbic acid levels and functional activity of lymphocytes in patients with large intestine cancer] Sergeev AV. **Vopr Pitan** 1984 May–Jun; (3):27–30 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Nomenclature policy: generic descriptors and trivial names for vitamin A and related compounds. **J Nutr** 1984 Mar; 114(3):643–4

HISTORY

Nutrition classics. The American Journal of Hygiene, volume I, 1921: Studies on experimental rickets. VII. The relative effectiveness of cod liver oil as contrasted with butter fat for protecting the body against insufficient calcium in the presence of normal phosphorus supply. By P.G. Shipley, E.A. Park, E.V. McCollum and Nina Simmonds. **Nutr Rev** 1984 May;42(5):192–4

IMMUNOLOGY

Enhancement of specific antitumor immunity in mice fed a diet enriched in vitamin A acetate. Malkovský M, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6322–6

ISOLATION & PURIFICATION

Separation of vitamin A and retinyl esters by reversed-phase high-performance liquid chromatography. Chaudhary LR, et al. **J Chromatogr** 1984 Jun 22;294:466–70

METABOLISM

Vitamin A nutrition in the human foetus. A comparison of Sweden and Ethiopia. Gebre-Medhin M, et al. **Acta Paediatr Scand** 1984 May;73(3):333–40

Effect of sexual steroids on lipid and lipid-soluble vitamin transport in domestic fowl. Lencsés G, et al. **Acta Vet Acad Sci Hung** 1982;30(4):213–6

Disturbances of vitamin A metabolism in animals. Karppan E, et al. **Acta Vet Scand** 1983;24(4):524–7

Intestinal absorption of vitamin A in experimental uremia. Vaziri ND, et al. **Acta Vitaminol Enzymol** 1984;6(1):41–5

Development of the vitamin A-storing cell in mouse liver during late fetal and neonatal periods. Matsumoto E, et al. **Anat Embryol (Berl)** 1984;169(3):249–59

Vitamin A metabolism: alpha-tocopherol modulates tissue retinol levels in vivo, and retinyl palmitate hydrolysis in vitro. Napoli JL, et al. **Arch Biochem Biophys** 1984 Apr; 230(1):194–202

Fine structural aspects of the development of Ito cells (vitamin A uptake cells) in chick embryo livers. Tatsumi H, et al. **Arch Histol Jpn** 1983 Dec;46(5):691–700

Comparison between the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin and six other compounds on the vitamin A storage, the UDP-glucuronosyltransferase and the aryl hydrocarbon hydroxylase activity in the rat liver. Thunberg T, et al. **Arch Toxicol** 1984 Mar;55(1):16–9

Lymphatic absorption and transport of retinol and vitamin D-3 from rat intestine. Evidence for different pathways. Blomhoff R, et al. **Biochim Biophys Acta** 1984 May 16; 772(2):109–16

Retinol homeostasis in lambs given low and high intakes of vitamin A. Donoghue S, et al. **Br J Nutr** 1983 Sep; 50(2):235–48

The activity of acyl CoA: retinol acyltransferase in the rat: variation with vitamin A status. Rasmussen M, et al. **Br J Nutr** 1984 Mar;51(2):245–53

Vitamin A metabolism in chick liver: some properties of the cytosolic lipid-protein aggregate. Sklan D, et al. **Br J Nutr** 1984 Jul;52(1):107–14

Vitamin A absorption and metabolism in the chick: response to high dietary intake and to tocopherol. Sklan D. **Br J Nutr** 1983 Sep;50(2):401–7

Vitamin A, bone and joint. Mazieres B. **Clin Rheumatol** 1982 Dec;1(4):239–42

Investigations concerning vitamin A transport in rheumatic diseases. Mezes M, et al. **Clin Rheumatol** 1982 Sep; 1(3):190–3

Vitamin A is present as retinol in the tears of humans and rabbits. Ubels JL, et al. **Curr Eye Res** 1984 Jun;3(6):815–22

Biological fate of the vitamin A transporting protein complex and beta-carotene after excessive dietary intake. Report of a case. Mathus-Vliegen EM, et al. **Digestion** 1983; 27(2):116–22

UV treatment of uraemic pruritus reduces the vitamin A content of the skin. Berne B, et al. **Eur J Clin Invest** 1984 Jun;14(3):203–6

Newly administered [3H]retinol is transferred from hepatocytes to stellate cells in liver for storage. Blomhoff R, et al. **Exp Cell Res** 1984 Jan;150(1):186–93

Isolation and characterization of vitamin-A-storing lung cells. Okabe T, et al. **Exp Cell Res** 1984 Sep;154(1):125–35

Changes in retinoid binding levels during development of the chicken cornea. Wiggert B, et al. **Exp Eye Res** 1983 Nov;37(5):499–505

The significance of ascorbic acid, thiamin and retinol in cancer. Basu TK. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:105–18

Vitamin A metabolism: analysis of steady-state neutral metabolites in rat tissues. Williams JB, et al. **J Lipid Res** 1984 Jun;25(6):638–45

Transfer of vitamin A from intestine to plasma in lambs fed low and high intakes of vitamin A. Donoghue S, et al. **J Nutr** 1983 Nov;113(11):2197–204

Metabolism, plasma transport and biliary excretion of radioactive vitamin A and its metabolites as a function of liver reserves of vitamin A in the rat. Hicks VA, et al. **J Nutr** 1984 Jul;114(7):1327–33

The storage form of vitamin A in rat liver cells. Olson JA, et al. **J Nutr** 1983 Nov;113(11):2184–91

Effect of the degradation of cytochrome P-450 heme by secobarbital on polychlorinated biphenyls (PCB)-induced hepatic vitamin A reduction and lipid peroxide formation in rats. Saito M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Aug;29(4):467–80

Effect of formulation on the bioavailability of retinol, D-alpha-tocopherol and riboflavine. Bateman NE, et al. **J Pharm Pharmacol** 1984 Jul;36(7):461–4

Vitamin A and retinoids in health and disease. Goodman DS. **N Engl J Med** 1984 Apr 19;310(16):1023–31 (80 ref.)

Endogenous metabolites of vitamin A and a test for functional activity of 5,6-epoxyretinoic acid. **Nutr Rev** 1983 Sep; 41(9):289–92 (7 ref.)

[Effect of low- and high-fiber diets on vitamin A utilization] Gronowska-Senger A, et al. **Rocz Panstw Zakl Hig** 1984; 35(1):53–8 (Eng. Abstr.) **(Pol)**

[Dynamics of vitamin A metabolism in the blood and semen of karakul ram sires] Pozniakov SP, et al. **Prikl Biokhim Mikrobiol** 1984 Jul–Aug;20(4):534–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Excess vitamin A and the metabolism of carbohydrates: variation of enzyme activities in gingiva of rats submitted to excess vitamin A, vitamin A plus cortisol and vitamin A plus ascorbic acid. De Paiva YA, et al. **Acta Vitaminol Enzymol** 1983;5(4):205–12

Interaction of endosulfan and dietary vitamin A on rat hepatic drug metabolising enzymes. Sriram K, et al. **Acta Vitaminol Enzymol** 1983;5(4):213–8

Effects of a large dose of retinol or retinoic acid on the thyroid hormones in the rat. Garcin H, et al. **Ann Nutr Metab** 1984;28(2):92–100

Interaction of retinoids and bilirubin with the binding of arachidonic acid to human alpha-fetoprotein. Aussel C, et al. **Biochem Biophys Res Commun** 1984 Mar 30; 119(3):1122–7

Effect of retinol and retinoic acid on P/O ratios of coupled mitochondria. Stillwell W, et al. **Biochem Int** 1983 Mar; 6(3):385–92

Effects of retinol and dexamethasone on cytokine-mediated control of metalloproteinases and their inhibitors by human articular chondrocytes and synovial cells in culture. McGuire-Goldring MK, et al. **Biochim Biophys Acta** 1983 Sep 22;763(2):129–39

Stimulatory effect of vitamin A on tumoricidal activity of rat alveolar macrophages. Tachibana K, et al. **Br J Cancer** 1984 Mar;49(3):343–8

Effect of vitamin A and its derivatives on collagen production and chemotactic response of fibroblasts. Hein R, et al. **Br J Dermatol** 1984 Jul;111(1):37–44

Effect of dietary vitamin A on the mixed function oxidases and the pneumotoxicity of 3-methylindole in goats. Burley FE, et al. **Can J Physiol Pharmacol** 1983 Aug;61(8):816–21

Growth modification of normal and tumor cell lines with retinol. Audette M, et al. **Cancer Detect Prev** 1983; 6(6):497–505

Fibroblasts from humans genetically predisposed to colon cancer are abnormally resistant to vitamin A. Kopelovich L, et al. **Cancer Invest** 1983;1(6):479–84

Modifying effect of vitamin A on benzo[a]pyrene-induced respiratory tract tumours in hamsters. Beems RB. **Carcinogenesis** 1984 Aug;5(8):1057–60

Microsomal lipid peroxidation and oxidative metabolism in rat liver: influence of vitamin A intake. Tom WM, et al. **Chem Biol Interact** 1984 Aug;50(3):361–6

Vitamin A and follicle-stimulating hormone synergistically induce differentiation of type A spermatogonia in adult mouse cryptorchid testes in vitro. Haneji T, et al. **Endocrinology** 1984 Mar;114(3):801–5

Complex effects of retinol on the metabolic activation of 2-aminofluorene. Balbinder E, et al. **Environ Mutagen** 1983; 5(5):665–78

Histological effects of vitamin A deprivation on estrogen-induced development of chick oviduct. Ganguly J, et al. **Indian J Exp Biol** 1983 Feb;21(2):69–72

Effect of maternal hypervitaminosis A during late gestation on pre- & postnatal lung maturation in rat. Singh S, et al. **Indian J Exp Biol** 1983 Mar;21(3):103–7

Gastric cytoprotective effects of vitamin A and other carotenoids. Jávor T, et al. **Int J Tissue React** 1983; 5(3):289–96

The effect of vitamin A on the regenerating axolotl limb. Maden M. **J Embryol Exp Morphol** 1983 Oct;77:273–95

Effect of all-trans retinol and retinoic acid nutriture on the immune system of chicks. Davis CY, et al. **J Nutr** 1983 Oct;113(10):1914–9

Effects of butyrate, retinol, and retinoic acid on human Y-79 retinoblastoma cells growing in monolayer cultures. Kyritsis A, et al. **JNCI** 1984 Sep;73(3):649–54

Vitamin A and aflatoxin: effect on liver and colon cancer. Suphakarn VS, et al. **Nutr Cancer** 1983;5(1):41–50

Immunological role of vitamin A and its related substances in prevention of cancer. Tomita Y. **Nutr Cancer** 1983; 5(3–4):187–94

Cloning of cDNAs specifying vitamin A-responsive human keratins. Eckert RL, et al. **Proc Natl Acad Sci USA** 1984 Jul;81(14):4321–5

Vitamin A and the control of development. Summerbell D, et al. **Prog Clin Biol Res** 1984;151:439–51

[Vitamin A and the ear. Review of the literature] Biesalski HK. **Z Ernahrungswiss** 1984 Jun;23(2):104–12 (64 ref.) (Eng. Abstr.) **(Ger)**

[Relation between vitamin A and the fragility of red blood cells subjected to continuous mechanical trauma] Liani M, et al. **Boll Soc Ital Biol Sper** 1983 Nov 30;59(11):1744–8 (Eng. Abstr.) **(Ita)**

[Influence of aromatic retinoid on epidermal Langerhans cells] Kobayashi M. **Nippon Hifuka Gakkai Zasshi** 1983 Jun;93(7):763–71 **(Jpn)**

[Further study of the role of vitamin A in immunologic reactions (observations in volunteers)] Pletsityi KD, et al. **Vopr Pitan** 1984 Jan–Feb;(1):26–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Post-measles corneal ulceration in children in northern Nigeria: the role of vitamin A, malnutrition and measles. Inua M, et al. **Ann Trop Paediatr** 1983 Dec;3(4):181–91

Impairment of taste and olfaction in patients with cirrhosis: the role of vitamin A. Garrett-Laster M, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):203–14

Nutrition for the practitioner II. Current concepts in nutrition: vitamin A. Newmark SR. **J Okla State Med Assoc** 1984 May;77(5):147–9

Multiple functions of vitamin A. Wolf G. **Physiol Rev** 1984 Jul;64(3):873–937 (211 ref.)

Vitamin A: a potential inhibitor of human cancer. Kummet T, et al. **Semin Oncol** 1983 Sep;10(3):281–9 (64 ref.)

Vitamin A and cancer. Ong DE, et al. **Vitam Horm** 1983; 40:105–44 (239 ref.)

POISONING

Fatal hypervitaminosis A in a neonate. Bush ME, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):838–42

Clinical curio: acute vitamin A toxicity from ingesting fish liver curry. **Br Med J [Clin Res]** 1983 Sep 24;287(6396):897

Skin disorders and vitamin A metabolism disturbances in chronic dialysis patients: the role of zinc, retinol-binding protein, retinol and retinoic acid. Delacoux E, et al. **Clin Chim Acta** 1984 Mar 13;137(3):283–9

Unusual presentation of vitamin A intoxication. Schurr D, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):705–7

Hypervitaminosis A toxicity and gout [letter] Mawson AR. **Lancet** 1984 May 26;1(8387):1181

Liver and hypervitaminosis [letter] Bernstein RE. **N Engl J Med** 1984 Aug 30;311(9):604

[Chronic hypervitaminosis A] Avnstorp C, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3663–5 (Eng. Abstr.) **(Dan)**

[Hypervitaminosis A. Apropos of a new case] Degott C, et al. **Arch Anat Cytol Pathol** 1984;32(1):56 **(Fre)**

[Cirrhosis induced by vitamin A] Le Marchand P, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):116–20 (Eng. Abstr.) **(Fre)**

[Hepatic fibrosis and portal hypertension in chronic vitamin A poisoning] Verneau A, et al. **Gastroenterol Clin Biol** 1984 Feb;8(2):121–5 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Vitamin A and vitamin E replacement in abetalipoproteinemia. Bieri JG, et al. **Ann Intern Med** 1984 Feb;100(2):238–9

Effects of vitamin A and beta carotene on intra-abdominal sepsis. Demetriou AA, et al. **Arch Surg** 1984 Feb; 119(2):161–5

Vitamin A research. Meyskens F Jr, et al. **Ariz Med** 1983 Dec;40(12):865

Vitamin A treatment for night blindness in primary biliary cirrhosis. Walt RP, et al. **Br Med J [Clin Res]** 1984 Apr 7;288(6423):1030–1

Experimental cancer prophylaxis. Wrba H. **Exp Pathol** 1983; 24(2–3):83–9

Vitamin A and retinoids: a hypothesis of tumour chemoprevention. Costa A, et al. **Int Adv Surg Oncol** 1984; 7:271–95

Phrynoderma: suggested vitamin A and E therapy [letter] Ayres S Jr. **Int J Dermatol** 1983 Nov;22(9):548–9

Cytoprotective effect of vitamin A and its clinical importance in the treatment of patients with chronic gastric ulcer. Patty I, et al. **Int J Tissue React** 1983;5(3):301–7

The therapeutic use of vitamins. Vannucchi H. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:45–50

Darier's disease with salivary gland obstruction: synergistic

therapy with vitamins A and E suggested [letter] Ayres S. **J R Soc Med** 1983 Nov;76(11):983
Effect of supplemental vitamin A on the healing of colon anastomosis. Bark S, et al. **J Surg Res** 1984 May;36(5):470–4
Vitamin A and cancer [editorial] **Lancet** 1984 Aug 11; 2(8398):325–6
Vitamin A deficiency and iron nutriture. **Nutr Rev** 1984 Apr; 42(4):167–8 (2 ref.)
Cancer control: X-ray induced C3HBA tumor regression and prevention of its regrowth by beta-carotene or vitamin A. Seifter E, et al. **Prog Clin Biol Res** 1983;130:237–47
Vitamin A and cancer [letter] **Science** 1984 Apr 27; 224(4647):338–40
Does vitamin A prevent cancer? [news] Kolata G. **Science** 1984 Mar 16;223(4641):1161
Reversal of postburn immunosuppression by the administration of vitamin A. Fusi S, et al. **Surgery** 1984 Aug;96(2):330–5
Other treatments for herpes zoster neuralgia [letter] **West J Med** 1984 Feb;140(2):292
[Vitamin A in the treatment of eye diseases] Mozherenkov VP, et al. **Oftalmol Zh** 1983;38(4):239–42 (55 ref.) **(Rus)**
[Vitamin A, retinoids and tumor development] Nozdrin VI, et al. **Vopr Onkol** 1983;29(9):96–106 (8 ref.) **(Rus)**

TOXICITY

Antiproliferative effect of vitamin A on xenotransplanted CaMa-15 cells. Wetherall NT, et al. **Cancer Res** 1984 Jun; 44(6):2393–7
The effects of zinc gluconate, vitamin A and caesium salts on colon carcinoma in mice. Tufte FW, et al. **Cytobios** 1984;39(155–156):177–82
Evaluation of hypervitaminosis A in the rat by measurement of tibial bone breaking strain. Cashin CH, et al. **J Pharmacol Methods** 1984 Apr;11(2):91–5
Differential response of heterozygous curly-tail mouse embryos to vitamin A teratogenesis depending on maternal genotype. Seller MJ, et al. **Teratology** 1983 Aug;28(1):123–9
Dose-response relationships of retinol in production of the Arnold-Chiari malformation. Willhite CC. **Toxicol Lett** 1984 Mar;20(3):257–62

VITAMIN A ACID see **TRETINOIN**

VITAMIN A DEFICIENCY

see related
NYCTALOPIA
XEROPHTHALMIA

Virus-like particles in AIDS-related lymphadenopathy [letter] Humphrey JH. **Lancet** 1984 Sep 15;2(8403):643
Vitamin A status, polybrominated biphenyl (PBB) toxicosis, and common bile duct hyperplasia in rats. Darjono, et al. **Toxicol Appl Pharmacol** 1983 Nov;71(2):184–93

BLOOD

Thyroid hormones in vitamin A-deficient rats: effect of retinoic acid supplementation. Garcin H, et al. **Ann Nutr Metab** 1983;27(6):495–500
Vitamin A deficiency and serum or plasma fibronectin in the rat and in human subjects. Zerlauth G, et al. **J Nutr** 1984 Jun;114(6):1169–72

COMPLICATIONS

The relationship of dietary and serum vitamin A to the occurrence of cervical intraepithelial neoplasia in sexually active women. Bernstein A, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):309–12
The epidemiology of vitamin A deficiency and xerophthalmia. Tielsch JM, et al. **Annu Rev Nutr** 1984; 4:183–205 (148 ref.)
Bypass phrynoderma. Vitamin A deficiency associated with bowel-bypass surgery. Barr DJ, et al. **Arch Dermatol** 1984 Jul;120(7):919–21
Squamous metaplasia of tracheal submucosal glands induced by benzo[a]pyrene and vitamin A deficiency. Chopra DP, et al. **Carcinogenesis** 1983 Oct;4(10):1345–7
Vitamin A deficiency in Crohn's disease. Main AN, et al. **Gut** 1983 Dec;24(12):1169–75
Zinc and vitamin A deficiency in liver cirrhosis. Schölmerich J, et al. **Hepatogastroenterology** 1983 Aug;30(4):119–25 (189 ref.)
Impairment of taste and olfaction in patients with cirrhosis: the role of vitamin A. Garrett-Laster M, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):203–14
Ocular health of rural children with special reference to vitamin 'A' deficiency. Singh G, et al. **Indian J Pediatr** 1983 Jul-Aug;50(405):387–90
Might (pro-)vitamin A be involved in the relation between palmar keratosis and cancer of bladder and lung? [letter] Drijver M, et al. **Lancet** 1984 Sep 15;2(8403):643
The association of Schistosoma mansoni infection with deficiency of vitamin A in mice. Turchetti-Maia RM, et al. **Rev Inst Med Trop Sao Paulo** 1983 Sep-Oct; 25(5):215–22
Nutritional blindness in Africa. Steinkuller PG. **Soc Sci Med** 1983;17(22):1715–21
Influence of vitamin A on the immune response of Schistosoma mansoni-infected rats. Parent G, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):380–3
[Eye manifestations of vitamin A deficiency] Vannas-Sulonen K. **Duodecim** 1984;100(11):679–81 **(Fin)**
[Vitamin A and the prevention of bronchial cancer - facts and expectations] Sporny S, et al. **Pol Tyg Lek** 1983 Apr 25;38(17):539–42 (42 ref.) **(Pol)**

DIAGNOSIS

Importance of the early diagnosis of vitamin A deficiency at the epidemiological level. Flores H, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:23–34

ENZYMOLOGY

Effect of vitamin A deficiency on the pulmonary and hepatic drug-metabolizing enzymes in rat. Dogra SC, et al. **Enzyme** 1983;30(2):99–104

IMMUNOLOGY

Effect of vitamin-A deficiency on plaque forming response of antibody producing spleen cells against Salmonella typhimurium in rats. Faruque SM, et al. **Bangladesh Med Res Counc Bull** 1983 Dec;9(2):37–42
Nutritional factors and autoimmunity. IV. Dietary vitamin A deprivation induces a selective increase in IgM autoantibodies and hypergammaglobulinemia in New Zealand Black mice. Gershwin ME, et al. **J Immunol** 1984 Jul;133(1):222–6
[Effect of vitamin A deficiency in mice on the formation of specific cytolytic T-lymphocytes] Sergeev AV. **Vopr Med Khim** 1984 Jan-Feb;30(1):55–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of vitamin A deficiency on the level of glutathione and glutathione S-transferase activity in rat colon and liver. Gupta MP, et al. **Acta Vitaminol Enzymol** 1983;5(3):141–5
The effect of anti-cancer drugs on pharmacokinetics of antipyrine in vitamin A deficiency. Khanduja KL, et al. **Biochem Pharmacol** 1984 Feb 1;33(3):449–52
Fine structure and cytochemistry of lysosomes in the Ito cells of the rat liver. Yamamoto K, et al. **Cell Tissue Res** 1983; 233(1):45–57
Microsomal lipid peroxidation and oxidative metabolism in rat liver: influence of vitamin A intake. Tom WM, et al. **Chem Biol Interact** 1984 Aug;50(3):361–6
Vitamin A-deficiency impairs the normal mannosylation, conformation and iodination of thyroglobulin: a new etiological approach to endemic goitre. Ingenbleek Y. **Experientia [Suppl]** 1983;44:264–97
Protein-energy malnutrition and liver dysfunction limit the usefulness of the relative dose response (RDR) test for predicting vitamin A deficiency. Russell RM, et al. **Hum Nutr Clin Nutr** 1983 Sep;37(5):361–71
Deficiencies of vitamins E and A in the rat: lipofuscin accumulation in the choroid. Herrmann RK, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):429–33
Effect of vitamin A deficiency on the testis-specific histone TH2B of the rat. Wattanaseree J, et al. **J Biochem (Tokyo)** 1984 Jan;95(1):179–86
Decreased responsiveness of pituitary-adrenal axis to stress in vitamin A-depleted rats. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):353–63
Differences in keratin synthesis between normal epithelial cells and squamous cell carcinomas are mediated by vitamin A. Kim KH, et al. **Proc Natl Acad Sci USA** 1984 Jul; 81(14):4280–4
[DNP complex of the spermatogenic cells of rats with hypovitaminosis A] Pozniakov SP, et al. **Ontogenez** 1984 Jan-Feb;15(1):81–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Vitamin A deficiency and mortality risk [letter] Dibley MJ, et al. **Lancet** 1983 Dec 24-31;2(8365-66):1501–2
Vitamin A deficiency and mortality risk [letter] Sommer A. **Lancet** 1984 Feb 11;1(8372):347–8

OCCURRENCE

Liver levels of retinol in unselected necropsy specimens: a prevalence survey of vitamin A deficiency in Recife, Brazil. Flores H, et al. **Am J Clin Nutr** 1984 Jul;40(1):146–52
Survey of ocular diseases in arid zone (Jaisalmer) with special reference to vitamin A. Sharma RG, et al. **Indian J Ophthalmol** 1983 Jul;31(4):429–33
Hypovitaminosis A in Rio Grande do Sul, Brazil. Preliminary study. Wilson D, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:35–44

PATHOLOGY

Detection of ocular surface abnormalities in experimental vitamin A deficiency. Hatchell DL, et al. **Arch Ophthalmol** 1984 Sep;102(9):1389–93
A histomorphometric study of the effect of chronic vitamin A deficiency on the circumvallate papilla of the rat. Chole RA, et al. **Otolaryngol Head Neck Surg** 1983 Oct; 91(5):470–81
Restoration of mucociliary tracheal epithelium following deprivation of vitamin A. A quantitative morphologic study. McDowell EM, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):221–40
Effects of vitamin A-deprivation on hamster tracheal epithelium. A quantitative morphologic study. McDowell EM, et al. **Virchows Arch [Cell Pathol]** 1984;45(2):197–219
[Regression of the Pliss lymphosarcoma in rats and biochemical indices in hypovitaminosis A] Bukin IuV, et al. **Biull Eksp Biol Med** 1984 Jul;97(7):65–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Histological & ultrastructural studies on the effect of vitamin A depletion & subsequent repletion with vitamin A on germ cells & Sertoli cells in rat testis. Unni E, et al. **Indian J Exp Biol** 1983 Apr;21(4):180–92
Pituitary-testicular interrelationships during germinal involution in the vitamin A deficient rat. Huang HF, et al. **J Endocrinol** 1984 Jan;100(1):33–41
Increased sympathetic nervous system activity in rat spleen and heart following vitamin A depletion. Nakano K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):163–70
Effects of vitamin A deficiency on rat incisor formation. Punyasingh JT, et al. **J Oral Pathol** 1984 Feb;13(1):40–51
[Vitamin A and electroretinography] Mirgain C, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:429–30 **(Fre)**

PREVENTION & CONTROL

Xerophthalmia in urban Bangladesh. Implications for vitamin A deficiency preventive strategies. Cohen N, et al. **Acta Paediatr Scand** 1983 Jul;72(4):531–6
Hypovitaminosis A: a public health problem. Roncada MJ. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:17–22
Impact of massive doses of vitamin A on incidence of nutritional blindness. Vijayaraghavan K, et al. **Lancet** 1984 Jul 21;2(8395):149–51

THERAPY

Vitamin A deficiency and iron nutriture. **Nutr Rev** 1984 Apr; 42(4):167–8 (2 ref.)

VETERINARY

Renal and biochemical changes produced in broilers by high-protein, high-calcium, urea-containing, and vitamin-A-deficient diets. Chandra M, et al. **Avian Dis** 1984 Jan-Mar;28(1):1–11
Hypothyroidism: an early sign of vitamin A deficiency in chickens. Nockels CF, et al. **J Nutr** 1984 Sep;114(9):1733–6
Hematological changes in nephritis in poultry induced by diets high in protein, high in calcium, containing urea, or deficient in vitamin A. Chandra M, et al. **Poult Sci** 1984 Apr;63(4):710–6

VITAMIN B 1 see **THIAMINE**

VITAMIN B 2 see **RIBOFLAVIN**

VITAMIN B 6 see **PYRIDOXINE**

VITAMIN B 12

Audit of the use of vitamin B12 in general practice. Fraser RC, et al. **Br Med J [Clin Res]** 1983 Sep 10; 287(6394):729–31

ADMINISTRATION & DOSAGE

Dual isotope Schilling test for measuring absorption of food-bound and free vitamin B12 simultaneously. Doscherholmen A, et al. **Am J Clin Pathol** 1983 Oct; 80(4):490–5
Effects of dietary supplementation with butylated hydroxyanisole, cysteine, and vitamins B on tansy ragwort (Senecio jacobaea) toxicosis in ponies. Garrett BJ, et al. **Am J Vet Res** 1984 Mar;45(3):459–64
Time to drop cyanocobalamin? **Drug Ther Bull** 1984 Jun 4; 22(11):43–4
Evaluation of therapeutic response with micro dose of vitamin B12 and folic acid in patients of dimorphic anaemia. Jain P, et al. **J Assoc Physicians India** 1984 Apr;32(4):327–9
[Effect of dextrofer 100 and dextrofer 100 with B12 on the growth and fertility of mink] Nankov N, et al. **Vet Med Nauki** 1983;20(3-4):86–91 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

Folic acid and the nervous system [letter] Steiner I, et al. **Neurology (NY)** 1983 Dec;33(12):1634
[Case of anaphylactic shock caused by vitamin B12] Sobolevskii AI, et al. **Vestn Dermatol Venerol** 1984 Apr; (4):66–7 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Coenzyme function of cobalamin analogues from calf kidney. Thorndike J, et al. **Blood** 1984 Jul;64(1):91–8
Effect of pancreatic extracts on the faecal excretion and on the serum concentration of cobalamin and cobalamin analogues in cystic fibrosis. Gueant JL, et al. **Clin Chim Acta** 1984 Feb 14;137(1):33–41
Methyl transfer from methylcobalamin to diaquocobinamide. Fanchiang YT, et al. **Proc Natl Acad Sci USA** 1984 May; 81(9):2698–702
[Effect of methylcobalamine on the processes of posttraumatic regeneration of the salivary glands] Mikhailov VV, et al. **Biull Eksp Biol Med** 1984 Jul; 97(7):95–7 (Eng. Abstr.) **(Rus)**

[Mechanism of the effect of methylcobalamin on the recovery of neuromuscular functions in mechanical and toxin denervation] Mikhailov VV, et al. **Farmakol Toksikol** 1983 Nov-Dec;46(6):9-12 (Eng. Abstr.) **(Rus)**

ANALYSIS

More on vitamin B12 results as measured with 'boil' and 'no-boil' kits [letter] El Shami AS, et al. **Clin Chem** 1983 Dec;29(12):2115-6

Sequestration of crystalline and endogenous cobalamin by R binders down to the distal ileum in exocrine pancreatic dysfunction. Guéant JL, et al. **Clin Chim Acta** 1983 Oct 31;134(1-2):95-106

The influence of experimental conditions on the association constant for binding of vitamin B12 by human intrinsic factor coupled to Sepharose 4B. Dekker BG, et al. **Int J Appl Radiat Isot** 1983 Sep;34(9):1351-6

[Vitamin content of Scenedesmus quadricauda. II. Vitamin B 12] Robbs PG, et al. **Rev Latinoam Microbiol** 1983 Oct-Dec;25(4):275-80 (Eng. Abstr.) **(Por)**

[Microbiological method of determining cyanocobalamin in tissues and finished drugs made from animal raw materials] Krylov IuF, et al. **Farmakol Toksikol** 1983 Nov-Dec; 46(6):83-8 (Eng. Abstr.) **(Rus)**

[Polarographic method of studying natural cobalamins in mixtures] Kuznetsov BA, et al. **Prikl Biokhim Mikrobiol** 1984 Jan-Feb;20(1):139-42 (Eng. Abstr.) **(Rus)**

[Identification of coenzyme B12 and other natural cobalamins by polarography] Kuznetsov BA, et al. **Prikl Biokhim Mikrobiol** 1983 Nov-Dec;19(6):840-3 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Possible adverse health effects of vitamin C and ascorbic acid. Sestili MA. **Semin Oncol** 1983 Sep;10(3):299-304 (72 ref.)

BIOSYNTHESIS

Salmonella typhimurium synthesizes cobalamin (vitamin B12) de novo under anaerobic growth conditions. Jeter RM, et al. **J Bacteriol** 1984 Jul;159(1):206-13

[DNA synthesis in relation to a varying vitamin B12 content in Propionibacterium shermanii cells] Iordan EP, et al. **Mikrobiologiia** 1983 Jul-Aug;52(4):591-6 (Eng. Abstr.) **(Rus)**

[Biosynthesis of corrinoids and other tetrapyrrole compounds by an acetogenic Clostridium] Bykhovskii VIa, et al. **Prikl Biokhim Mikrobiol** 1984 Jan-Feb;20(1):3-8 (Eng. Abstr.) **(Rus)**

BLOOD

Absence of signs of vitamin B12—nitrous oxide interaction in operating theatre personnel. Salo M, et al. **Acta Anaesthesiol Scand** 1984 Feb;28(1):106-8

Serum cobalamin concentration in sickle cell disease (HbSS). Osifo BO, et al. **Acta Haematol (Basel)** 1984;71(5):299-303

Low serum vitamin B12 in Alzheimer-type dementia. Cole MG, et al. **Age Ageing** 1984 Mar;13(2):101-5

Studies on a radioassay for intrinsic factor antibody: comparison of methods and false positive results due to elevated serum B12 levels. Muckerheide MM, et al. **Am J Clin Pathol** 1984 Sep;82(3):300-4

The utility of serum gastrin levels in assessing the significance of low serum B12 levels. Slingerland DW, et al. **Arch Intern Med** 1984 Jun;144(6):1167-8

Serum vitamin B12 assays. How accurate are they? Oxley DK. **Arch Pathol Lab Med** 1984 Apr;108(4):277-9

Congenital transcobalamin II deficiency presenting atypically with a low serum cobalamin level: studies demonstrating the coexistence of a circulating transcobalamin I (R binder) complex. Carmel R, et al. **Blood** 1984 Mar;63(3):598-605

Cobalamin (vitamin B12) and B12 binding proteins in hypereosinophilic syndromes and secondary eosinophilia. Zittoun J, et al. **Blood** 1984 Apr;63(4):779-83

Malabsorption of protein bound vitamin B12. Dawson DW, et al. **Br Med J [Clin Res]** 1984 Mar 3;288(6418):675-8

Serum folate and vitamin B12 levels in patients with small cell lung cancer. Clamon GH, et al. **Cancer** 1984 Jan 15; 53(2):306-10

Masked macrocytosis and the use of serum vitamin B12 and folate assays. Savage RA, et al. **Cleve Clin Q** 1983 Winter; 50(4):439-44

Therapeutic doses of vitamin B12 give false-positive values for intrinsic-factor-blocking antibodies [letter] Muckerheide M. **Clin Chem** 1984 Sep;30(9):1579

Comparison of methods used in commercial kits for the assay of serum vitamin B12. Fish DI, et al. **Clin Lab Haematol** 1983;5(3):271-7

Vitamin B12 levels in the prolonged use of sodium nitroprusside. Lipman J, et al. **Crit Care Med** 1984 Mar; 12(3):161-3

Measurement of cyanocobalamin in serum by a specific radioimmunoassay. Rothenberg SP, et al. **J Lab Clin Med** 1984 Jun;103(6):959-72

Rheumatoid arthritis: is serum vitamin B12 high in active disease? Grindulis KA, et al. **J Rheumatol** 1984 Apr; 11(2):211-2

Folic acid and vitamin B12 in long-term anticonvulsant therapy. Munoz-Garcia D, et al. **Mt Sinai J Med (NY)** 1983 Nov-Dec;50(6):517-21

Vitamin B12 in plasma in patients with continent ileostomy and long observation time. Nilsson LO, et al. **Scand J Gastroenterol** 1984 May;19(3):369-74

Plasma cobalamin and transcobalamin in patients with primary carcinoma of the liver. A study from Thailand. Nörredam K, et al. **Scand J Gastroenterol** 1983 Mar; 18(2):229-32

Serum vitamin B12 concentration after proximal gastric vagotomy. Paimela H, et al. **Scand J Gastroenterol** 1984 May;19(3):445-8

[Function tests in the differential diagnosis of megaloblastic anemias] Sauer H, et al. **Med Welt** 1984 Jan 13; 35(1-2):48-52 **(Ger)**

[Hematologic changes in patients under long-term hemodialysis and hemofiltration treatment with special reference to serum concentrations of folic acid and vitamin B 12] Minar E, et al. **Schweiz Med Wochenschr** 1984 Jan 14;114(2):48-53 (Eng. Abstr.) **(Ger)**

[Hemoglobin, serum iron, ferritin, folic acid and vitamin B12 levels in maternal and cord blood of non-anemic and anemic pregnant women] Ueda T. **Igaku Kenkyu** 1982 Nov; 52(5):256-68 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Assessment of vitamin B12 status in CSF [letter] Van Tiggelen CJ, et al. **Am J Psychiatry** 1984 Jan;141(1):136-7

DIAGNOSTIC USE

Low flow in CSII: use of vitamin B12 [letter] Kruger DF, et al. **Diabetes Care** 1984 Jul-Aug;7(4):397

GENETICS

Evidence for genetic effects on variation in plasma unsaturated transcobalamin II and cobalamin (vitamin B12). Magnus P, et al. **Scand J Haematol** 1984 Aug;33(2):180-6

HISTORY

Landmark perspective: An 'extrinsic factor' and pernicious anemia. Herbert V. **JAMA** 1984 Jan 27;251(4):522-3

ISOLATION & PURIFICATION

The preparation of human intrinsic factor-cobalamin complex from human gastric juice by immunoadsorption. Shepherd HA, et al. **Clin Chim Acta** 1984 May 30; 139(2):155-65

METABOLISM

The role of the pancreas in cobalamin (vitamin B12) absorption. Herzlich B, et al. **Am J Gastroenterol** 1984 Jun; 79(6):489-93 (63 ref.)

Retinal degeneration in vitamin B12 disorder associated with methylmalonic aciduria and sulfur amino acid abnormalities. Robb RM, et al. **Am J Ophthalmol** 1984 Jun; 97(6):691-6

Absorption and transport of cobalamin (vitamin B12). Seetharam B, et al. **Annu Rev Nutr** 1982;2:343-69 (170 ref.)

Vitamin B12 absorption after necrotizing enterocolitis. Collins JE, et al. **Arch Dis Child** 1984 Aug;59(8):731-4

Evolution of protein-bound cobalamin malabsorption [letter] King CE, et al. **Arch Intern Med** 1983 Nov;143(11):2219

Differences in coenzyme specificity of the N5-methyltetrahydrofolate-homocysteine methyltransferases of various species: implications for corrin binding loci. Beck WS, et al. **Biochem Biophys Res Commun** 1984 Apr 16;120(1):74-80

Influence of metal substitution on vitamin B12 binding to human intrinsic factor and transcobalamins I and II. Elsenhans B, et al. **Biochemistry** 1984 Feb 28;23(5):805-8

Biochemistry and clinical chemistry of vitamin B12 transport and the related diseases. Gräsbeck R. **Clin Biochem** 1984 Apr;17(2):99-107 (98 ref.)

Cobalamin metabolism and its clinical aspects. Linnell JC, et al. **Clin Sci** 1984 Feb;66(2):113-21 (51 ref.)

The regulatory roles of liver and kidney in cobalamin (vitamin B12) metabolism in the rat: the uptake and intracellular binding of cobalamin and the activity of the cobalamin-dependent enzymes in response to varying cobalamin supply. Scott JS, et al. **Clin Sci** 1984 Sep; 67(3):299-306

Enterokinase deficiency and vitamin B12 absorption [letter] Mann NS, et al. **Gastroenterology** 1984 Feb;86(2):384-5

Vitamin B12 absorption in total gastrectomy. Study with (57Co) B12 and radioimmunoassay. Lungarotti F, et al. **Ital J Surg Sci** 1983;13(3):193-6

Effect of vitamin B12 status on performance of the lactating ewe and gluconeogenesis from propionate. Peters JP, et al. **J Dairy Sci** 1983 Sep;66(9):1917-25

The uptake of vitamin B12 by human lymphocytes and the relationships to the cell cycle. Hall CA. **J Lab Clin Med** 1984 Jan;103(1):70-81

Schilling evaluation of pernicious anemia: current status. Zuckier LS, et al. **J Nucl Med** 1984 Sep;25(9):1032-9

Effects of cobalt or hydroxycobalamin supplementation on vitamin B-12 content and (S)-methylmalonyl-CoA mutase activity of tissue from cobalt-depleted sheep. Peters JP, et al. **J Nutr** 1984 Apr;114(4):660-70

R-binder deficiency. A clinically benign cause of cobalamin pseudodeficiency. Carmel R. **JAMA** 1983 Oct 14; 250(14):1886-90

'Serum only' Schilling's test in patients with subtotal gastrectomy [letter] Solanki DL, et al. **JAMA** 1983 Dec 23-30;250(24):3283

Effects of jejunoileal bypass on the enterohepatic circulation of bile acids, bacterial flora in the upper small intestine, and absorption of vitamin B12. Fromm H, et al. **Metabolism** 1983 Dec;32(12):1133-41

Homocystinuria and megaloblastic anemia responsive to vitamin B12 therapy. An inborn error of metabolism due to a defect in cobalamin metabolism. Schuh S, et al. **N Engl J Med** 1984 Mar 15;310(11):686-90

Cobalamin C mutation (methylmalonic aciduria and homocystinuria) in adolescence. A treatable cause of dementia and myelopathy. Shinnar S, et al. **N Engl J Med** 1984 Aug 16;311(7):451-4

[Familial selective vitamin B12 malabsorption (Imerslund-Grasbeck syndrome)—a case report] Shi HP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Feb;5(1):54-6 (Eng. Abstr.) **(Chi)**

[Dynamics of vitamin B12 in the aged] Inada M. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):97-100 **(Jpn)**

[B12 metabolism in diphyllobothriasis by 57Co-vitamin B12 gastric juice and 58Co-vitamin B12] Yazaki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Oct;80(10):2202-7 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

A comparison of the effects of vitamin B12 and aspirin in three experimental pain models in rats and mice. Eschalier A, et al. **Psychopharmacology (Berlin)** 1983;81(3):228-31

[Pharmacological and clinico-pharmacological studies of a combination preparation for calves having antianemia and general tonic action] Dilov P, et al. **Vet Med Nauki** 1983; 20(5-6):87-98 (Eng. Abstr.) **(Bul)**

[Effect of vitamin B 12 on Ehrlich ascites tumor growth in mice] Barretto OC, et al. **AMB** 1984 Jan-Feb;30(1-2):43 **(Por)**

[Effect of vitamin B12 on liver and kidney DNA methylation in guinea pigs in the presence of methionine and ATP] Kliasheva RI. **Biol Nauki** 1983;(10):17-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Cobalamin-protein compounds of bacterial origin (a review)] Eliseev SA, et al. **Prikl Biokhim Mikrobiol** 1984 May-Jun;20(3):307-17 (65 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

[Cyanocobalamin reference standard (Control 821) of the National Institute of Hygienic Sciences] Ohta M, et al. **Eisei Shikenjo Hokoku** 1983;(101):123-4 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Placebos: who's being fooled? Knapp DA, et al. **Am Pharm** 1984 Jan;NS24(1):4-5

Response to paper on 'Audit of the use of vitamin B12 in general practice'. Taylor MP, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1275-6

Myoclonus responsive to vitamin B12. Nowack WJ, et al. **J Kans Med Soc** 1984 Jan;85(1):12, 19

Immune functions in pernicious anaemia before and during treatment with vitamin B12. Kätkä K. **Scand J Haematol** 1984 Jan;32(1):76-82

[Comparative studies on the resorption, anti-anemic action and growth effect of FV-82 and dextrofer-100 on pigs] Dilov P, et al. **Vet Med Nauki** 1984;21(5):77-85 (Eng. Abstr.) **(Bul)**

[Use of dextrofer-100 and vitamin B12 on newborn pigs] Petkov PI, et al. **Vet Med Nauki** 1984;21(5):71-6 (Eng. Abstr.) **(Bul)**

[Vitamin B12, an analgesic vitamin? Critical examination of the literature] Dordain G, et al. **Acta Neurol Belg** 1984 Jan-Feb;84(1):5-11 (17 ref.) (Eng. Abstr.) **(Fre)**

TOXICITY

[Toxicity, tolerance and blood concentrations of iron and tylosin with the use of preparation FV-82] Dilov P, et al. **Vet Med Nauki** 1983;20(3-4):40-6 (Eng. Abstr.) **(Bul)**

URINE

Vitamin B12 absorption in cystic fibrosis. Lindemans J, et al. **Acta Paediatr Scand** 1984 Jul;73(4):537-40

VITAMIN B 12 COENZYMES see **COBAMIDES**

VITAMIN B 12 DEFICIENCY

Folic acid and vitamin B12 deficiency in pregnancy and in the neonatal period. Shojania AM. **Clin Perinatol** 1984 Jun; 11(2):433-59 (206 ref.)

BLOOD

Congenital transcobalamin II deficiency presenting atypically with a low serum cobalamin level: studies demonstrating the coexistence of a circulating transcobalamin I (R binder) complex. Carmel R, et al. **Blood** 1984 Mar;63(3):598-605

Impaired chemiluminescence and bactericidal killing by neutrophils from patients with severe cobalamin deficiency. Skacel PO, et al. **Br J Haematol** 1983 Oct;55(2):203–15
Serum thymidine kinase in vitamin B12 deficiency. Hagberg H, et al. **Scand J Haematol** 1984 Jan;32(1):41–5

COMPLICATIONS

A case of mania secondary to vitamin B12 deficiency. Goggans FC. **Am J Psychiatry** 1984 Feb;141(2):300–1
Vitamin B12 neuropathy in a 6 year old. Conway SP, et al. **Arch Dis Child** 1984 Jun;59(6):575–6
Acute myelogenous leukaemia modulated by B12 deficiency: a case with bone marrow blast cell assay corroboration. Ahmann FR, et al. **Br J Haematol** 1984 Sep;58(1):91–4
B12 deficiency in alpha-thalassemia [letter] Bennett M, et al. **N Engl J Med** 1984 Apr 19;310(16):1058–9
Imerslund-Gräsbeck syndrome and generalized malabsorption. Yetgin S, et al. **Turk J Pediatr** 1983 Jul–Sep; 25(3):193–6
[Incidence of vitamin B 12 and folic acid deficiencies on old aged psychiatric patients] Abalan F, et al. **Encephale** 1984; 10(1):9–12 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Dual isotope Schilling test for measuring absorption of food-bound and free vitamin B12 simultaneously. Doscherholmen A, et al. **Am J Clin Pathol** 1983 Oct; 80(4):490–5
The utility of serum gastrin levels in assessing the significance of low serum B12 levels. Slingerland DW, et al. **Arch Intern Med** 1984 Jun;144(6):1167–8
Paralysis of upward gaze as a presenting symptom of vitamin B12 deficiency. Sandyk R. **Eur Neurol** 1984;23(3):198–200
Evaluation of therapeutic response with micro dose of vitamin B12 and folic acid in patients of dimorphic anaemia. Jain P, et al. **J Assoc Physicians India** 1984 Apr;32(4):327–9
Assessment of the value of a competitive protein binding radioassay of folic acid in the detection of folic acid deficiency. Bain BJ, et al. **J Clin Pathol** 1984 Aug; 37(8):888–94
R-binder deficiency. A clinically benign cause of cobalamin pseudodeficiency. Carmel R. **JAMA** 1983 Oct 14; 250(14):1886–90
[Diagnosis of vitamin B12 deficiency in chronic kidney insufficiency] Sperschneider H, et al. **Z Urol Nephrol** 1984 May;77(5):301–9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Lactate dehydrogenase activity in B 12 deficiency anemia] Kardash BE, et al. **Ter Arkh** 1984;56(1):126–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vitamin B12 deficiency after gastric bypass surgery for obesity. Schilling RF, et al. **Ann Intern Med** 1984 Oct; 101(4):501–2
Vitamin-B12 deficiency following therapy in gynecologic oncology. Bandy LC, et al. **Gynecol Oncol** 1984 Mar; 17(3):370–4
Vitamin B12 deficiency after irradiation for bladder carcinoma. Kinn AC, et al. **J Urol** 1984 May;131(5):888–90
Fistulating duodenal diverticulum with associated vitamin B12 deficiency. Hughes S, et al. **Postgrad Med J** 1983 Aug; 59(694):536–8
Serum vitamin B12 concentration after proximal gastric vagotomy. Paimela H, et al. **Scand J Gastroenterol** 1984 May;19(3):445–8
[Vitamin B12 levels in the serum in gastrectomized patients] Walter F, et al. **Zentralbl Chir** 1984;109(12):803–8 (Eng. Abstr.) **(Ger)**

METABOLISM

Biochemistry and clinical chemistry of vitamin B12 transport and the related diseases. Gräsbeck R. **Clin Biochem** 1984 Apr;17(2):99–107 (98 ref.)
Protein profile of the myelin membrane of the fruit bat Rousettus aegyptiacus. Cantrill RC, et al. **Comp Biochem Physiol [B]** 1983;76(4):881–4
Metabolism of methylmalonic acid in rats. Is methylmalonyl-coenzyme a racemase deficiency symptomatic in man? Montgomery JA, et al. **J Clin Invest** 1983 Dec;72(6):1937–47
Regulation of cobalamin and folate metabolism by methionine in human bone marrow cultures. Sourial NA, et al. **Scand J Haematol** 1983 Nov;31(5):413–23

PATHOLOGY

[Colony-forming capacity of fibroblastic cells—bone marrow precursors—in patients with B12- and folic acid-deficiency anemias and liver cirrhosis with hypersplenism] Zaritskiĭ AIu, et al. **Gematol Transfuziol** 1984 Apr;29(4):15–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Betaine delays the onset of neurological impairment in nitrous oxide-induced vitamin B-12 deficiency in fruit bats. van der Westhuyzen J, et al. **J Nutr** 1984 Jun;114(6):1106–11

VITAMIN B COMPLEX

[Existence of 'pangamic acid' alias 'vitamin B 15'?] Riemschneider R, et al. **Fortschr Med** 1984 Mar 29; 102(12):339–41 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Vitamin nutrition in patients on continuous ambulatory peritoneal dialysis (CAPD). Blumberg A, et al. **Clin Nephrol** 1983 Nov;20(5):244–50
Evaluation of amino acids, B vitamins and butylated hydroxyanisole as protective agents against pyrrolizidine alkaloid toxicity in rats. Garrett BJ, et al. **J Anim Sci** 1984 Jan;58(1):138–44
[Effect of vitamin B15 on cholesterol levels in the intestinal wall of rabbits] Nagórna-Stasiak B, et al. **Pol Arch Weter** 1983;23(4):63–71 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Toxic effects of water-soluble vitamins. Alhadeff L, et al. **Nutr Rev** 1984 Feb;42(2):33–40 (43 ref.)

ANALYSIS

Effects of ethanol and various dietary fats on the levels of thiamine, riboflavin, niacin and folacin in the liver. Ziemlański S, et al. **Acta Physiol Pol** 1982 Sep–Dec; 33(5–6):455–61
Newer laboratory methods for assessing nutriture of selected B-complex vitamins. Sauberlich HE. **Annu Rev Nutr** 1984; 4:377–407 (256 ref.)
Certain B vitamin and phytic acid contents of pearl millet [Pennisetum americanum (L.) Leeke]. Simwemba CG, et al. **J Agric Food Chem** 1984 Jan–Feb;32(1):31–4
Stability of the B vitamins in mixed parenteral nutrition solution. Chen MF, et al. **JPEN** 1983 Sep–Oct;7(5):462–4

DIAGNOSTIC USE

Effects of B-complex vitamins on cellular and humoral immune functions in vitro and in vivo. Anderson R, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:77–84

HISTORY

Nutrition classics. Proceedings of the Society for Experimental Biology and Medicine, volume 38, 1938: Toxicity of nicotinic acid. K. K. Chen, Charles L. Rose and E. Brown Robbins. **Nutr Rev** 1984 Feb;42(2):52–4

METABOLISM

The vitamin B-complex in geriatrics: a review of its role. Moriguchi Y. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:271–5
[Enterohepatic recirculation of various functionally related B-group vitamins in the rat] Stepanova LN, et al. **Fiziol Zh** 1983 Sep–Oct;29(5):622–5 **(Rus)**

PHARMACODYNAMICS

[Enhancement of in vitro lymphocyte proliferative response by vitamin B compounds] Toge T, et al. **Gan To Kagaku Ryoho** 1983 Oct;10(10):2194–7 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Vitamin deficiencies in rice-eating populations. Effects of B-vitamin supplements. Bamji MS. **Experientia [Suppl]** 1983;44:245–63 (8 ref.)
The effect of B-complex supplementation on endurance performance. Read MH, et al. **J Sports Med Phys Fitness** 1983 Jun;23(2):178–84
[Vitamin B is no wonder drug] Jennekens FG. **Ned Tijdschr Geneeskd** 1984 Jun 30;128(26):1241–2 **(Dut)**
[Polyunsaturated phosphatidylcholine in the treatment of hepatic steatosis] Caruso L, et al. **Clin Ter** 1983 Nov 30; 107(4):279–90 (Eng. Abstr.) **(Ita)**
[Evaluation of the pharmaco-clinical activity of an association of corticoadrenal extracts, group B vitamins and folinic acid in geriatric patients] Iori E, et al. **Clin Ter** 1984 Apr 30;109(2):137–41 (Eng. Abstr.) **(Ita)**
[Effect of calcium pangamate on the cholesterol index of atherogenicity in cerebral arteriosclerosis patients] Rastopchin IP. **Zh Nevropatol Psikhiatr** 1984;84(7):1020–3 (Eng. Abstr.) **(Rus)**

VITAMIN B DEFICIENCY

COMPLICATIONS

Severe peripheral neuropathy following gastric bypass surgery for morbid obesity. Maryniak O. **Can Med Assoc J** 1984 Jul 15;131(2):119–20
Arecoline tumorigenicity in Swiss strain mice on normal and vitamin B deficient diet. Bhide SV, et al. **J Cancer Res Clin Oncol** 1984;107(3):169–71

DRUG THERAPY

[Correction of avitaminosis in workers of beet sugar-processing plant] Doroshenko PN. **Gig Tr Prof Zabol** 1984 Mar;(3):56–7 **(Rus)**

ETIOLOGY

Quantitative assessment of carnitine loss during hemodialysis and hemofiltration. Leschke M, et al. **Kidney Int [Suppl]** 1983 Dec;16:S143–6

METABOLISM

[Effect of dietary protein and vitamin B group deficiencies on the calcium-binding protein content in the mucosa of the small intestine] Tazhibaev ShS, et al. **Vopr Pitan** 1983 Jul-Aug;(4):48–50 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The vitamin B-complex in geriatrics: a review of its role. Moriguchi Y. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:271–5

VITAMIN B T see **CARNITINE**

VITAMIN B12-BINDING PROTEINS see **TRANSCOBALAMINS**

VITAMIN C see **ASCORBIC ACID**

VITAMIN D

Gc (vitamin D binding protein) binds to cytoplasm of all human lymphocytes and is expressed on B-cell membranes. Petrini M, et al. **Clin Immunol Immunopathol** 1984 May; 31(2):282–95

ADMINISTRATION & DOSAGE

Effect of season and vitamin D supplementation on plasma concentrations of 25-hydroxyvitamin D in Norwegian infants. Markestad T. **Acta Paediatr Scand** 1983 Nov; 72(6):817–21
[A source of exogenous intake of vitamin D: brewer's yeast (Saccharomyces cerevisiae) (letter)] Guillot M, et al. **Arch Fr Pediatr** 1984 Apr;41(4):295 **(Fre)**

ADVERSE EFFECTS

Hazards of treating osteoporosis and hypertension concurrently with calcium, vitamin D, and distal diuretics. Drinka PJ, et al. **J Am Geriatr Soc** 1984 May;32(5):405–7
Role of vitamin D in pulmonary tuberculosis. Narang NK, et al. **J Assoc Physicians India** 1984 Feb;32(2):185–8
Hypercalcaemia following vitamin D and thiazide therapy in the elderly. Crowe M, et al. **Practitioner** 1984 Mar; 228(1389):312–3
[Correlative pathologic studies on the role of vitamin D in vascular calcinosis in childhood] Kobylinski S, et al. **Zentralbl Allg Pathol** 1984;129(2):137–47 (Eng. Abstr.) **(Ger)**
[Primary hyperparathyroidism in infants (observations on a case)] Nanulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Apr-Jun; 32(2):175–9 (Eng. Abstr.) **(Rum)**
[Vitamin D intoxication in 3 cases of hypothyroidism] Mesa Manteca J, et al. **Rev Clin Esp** 1983 Nov 30;171(4):297–9 **(Spa)**

ANALOGS & DERIVATIVES

Biological activity of glycosides of vitamin D3 and 1 alpha-hydroxyvitamin D3. Rambeck WA, et al. **Int J Vitam Nutr Res** 1984;54(1):25–34

ANALYSIS

A histochemical method suitable to discriminate free cholesterol from its esters and both from 7-dehydrocholesterol and vitamins D. Hadler WA, et al. **Acta Histochem (Jena)** 1984;74(1):25–32
Rapid procedure for the determination of vitamins A and D in fortified skimmed milk powder using high-performance liquid chromatography. Reynolds SL, et al. **Analyst** 1984 Apr;109(4):489–92
Vitamin D and its metabolites in human breast milk. Makin HL, et al. **Arch Dis Child** 1983 Sep;58(9):750–3
Improved reverse phase liquid chromatographic determination of vitamins A and D in fortified milk. Wickroski AF, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):62–5
High-performance liquid chromatographic determination of vitamin D in foods, feeds and pharmaceuticals by successive use of reversed-phase and straight-phase columns. Takeuchi A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):11–25
[Vitamin D activity of human milk. Current knowledge] Kunz C, et al. **Monatsschr Kinderheilkd** 1983 Jul; 131(7):472–3 **(Ger)**

BLOOD

Vitamin D levels and trabecular bone remodelling before and after surgery for medullary thyroid carcinoma. Emmertsen K, et al. **Acta Endocrinol (Copenh)** 1984 Jul; 106(3):346–9
Effect of nutrition on vitamin D status: studies on healthy and poorly nourished Brazilian children. Linhares ER, et al. **Am J Clin Nutr** 1984 Apr;39(4):625–30
Vitamin D metabolism in normal and hypoparathyroid pregnancy and lactation. Case report. Markestad T, et al.

Br J Obstet Gynaecol 1983 Oct;90(10):971–6
The influence of age and sex on blood levels of calcium–regulating hormones in dogs. Meller Y, et al. **Clin Orthop** 1984 Jul–Aug;(187):296–9
Mineral and endocrine metabolism during fracture healing in dogs. Meller Y, et al. **Clin Orthop** 1984 Jul–Aug; (187):289–95
Vitamin D status after total gastrectomy. Kozawa K, et al. **Dig Dis Sci** 1984 May;29(5):411–6
Factors contributing to vitamin D status near retirement age. Holdsworth MD, et al. **Hum Nutr Clin Nutr** 1984 Mar; 38(2):139–49
Serum concentrations of vitamin D metabolites in maternal and umbilical cord blood of Libyan and Norwegian women. Markestad T, et al. **Hum Nutr Clin Nutr** 1984 Jan; 38(1):55–62
Vitamin A, D and E status in a Finnish population—a multivitamin study. Parviainen MT, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):397–403
Effect of estrogen on vitamin D metabolism in tall girls. Aarskog D, et al. **J Clin Endocrinol Metab** 1983 Dec; 57(6):1155–8
Serum vitamin D metabolites and their binding protein in patients with liver cirrhosis. Bouillon R, et al. **J Clin Endocrinol Metab** 1984 Jul;59(1):86–9
Vitamin D metabolism in familial benign hypercalcemia (hypocalciuric hypercalcemia) differs from that in primary hyperparathyroidism. Law WM Jr, et al. **J Clin Endocrinol Metab** 1984 Apr;58(4):744–7
Decreased serum ionized calcium and normal vitamin D metabolite levels with anticonvulsant drug treatment. Weinstein RS, et al. **J Clin Endocrinol Metab** 1984 Jun; 58(6):1003–9
Vitamin D metabolism in insulin–dependent diabetes mellitus. Storm TL, et al. **Metab Bone Dis Relat Res** 1983–84; 5(3):107–10
Vitamin D metabolites in normal subjects during one year. A longitudinal study. Tjellesen L, et al. **Scand J Clin Lab Invest** 1983 Feb;43(1):85–9
Osteopenia with normal vitamin D metabolites after small–bowel resection for Crohn's disease. Hessov I, et al. **Scand J Gastroenterol** 1984 Jul;19(5):691–6
[Prevalence of pathologic vitamin D and parathyroid hormone levels in geriatric patients] Oster P, et al. **Aktuel Gerontol** 1983 Nov;13(6):221–2 (Eng. Abstr.) **(Ger)**
[Diagnosis of nutritional rickets in a community and determination of serum vitamin 25(OH)D3] Berger A, et al. **Harefuah** 1983 Oct 2;105(7):183–4 (Eng. Abstr.) **(Heb)**

HISTORY

Nutrition classics. The American Journal of Hygiene, volume I, 1921: Studies on experimental rickets. VII. The relative effectiveness of cod liver oil as contrasted with butter fat for protecting the body against insufficient calcium in the presence of normal phosphorus supply. By P.G. Shipley, E.A. Park, E.V. McCollum and Nina Simmonds. **Nutr Rev** 1984 May;42(5):192–4

METABOLISM

Familial hypocalciuric hypercalcaemia: observations on vitamin D metabolism and parathyroid function. Davies M, et al. **Acta Endocrinol (Copenh)** 1983 Oct;104(2):210–5
Hypoparathyroidism and liver disease—evidence for a vitamin D hydroxylation defect. A case report. Gustafsson J, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):211–4
Vitamin D and bone health in the elderly. Parfitt AM, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1014–31 (174 ref.)
Vitamin D metabolism and function during pregnancy and the neonatal period. Bruns ME, et al. **Ann Clin Lab Sci** 1983 Nov–Dec;13(6):521–30 (73 ref.)
Vitamin D metabolism and chronic liver disease. Wills MR, et al. **Ann Clin Lab Sci** 1984 May–Jun;14(3):189–97 (26 ref.)
Cells metabolizing vitamin D [letter] **Ann Intern Med** 1984 Apr;100(4):611–2
Vitamin D conversion by sarcoid lymph node homogenate. Mason RS, et al. **Ann Intern Med** 1984 Jan;100(1):59–61
Low–dose prednisone therapy in rheumatoid arthritis: effect on vitamin D metabolism. Zerwekh JE, et al. **Arthritis Rheum** 1984 Sep;27(9):1050–2
Brevin and vitamin D binding protein: comparison of the effects of two serum proteins on actin assembly and disassembly. Lees A, et al. **Biochemistry** 1984 Jun 19; 23(13):3038–47
Metabolic consequences of bilateral nephrectomy [editorial] Catto GR, et al. **Br Med J [Clin Res]** 1984 Jul 21; 289(6438):146–7
An international comparison of vitamin D metabolite measurements. Jongen MJ, et al. **Clin Chem** 1984 Mar; 30(3):399–403
Alteration of hormone levels in normal males given the anabolic steroid stanozolol. Small M, et al. **Clin Endocrinol (Oxf)** 1984 Jul;21(1):49–55
Effect of propranolol treatment on bone mass, bone mineral content, bone remodelling, parathyroid function and vitamin D metabolism in hyperthyroidism. Mosekilde L, et al. **Eur J Clin Invest** 1984 Apr;14(2):96–102
Bone histomorphometry and vitamin D status after biliopancreatic bypass for obesity. Compston JE, et al. **Gastroenterology** 1984 Aug;87(2):350–6
Vitamin D in clinical medicine. Haddad JG. **Henry Ford Hosp Med J** 1983;31(4):199–200
Intestinal calcium absorption and vitamin D status in chronic cholestatic liver disease. Bengoa JM, et al. **Hepatology** 1984 Mar–Apr;4(2):261–5
Vitamin D metabolites in postmenopausal osteoporosis. Loré F, et al. **Horm Metab Res** 1984 Jan;16(1):58
Vitamin D status of the elderly in relation to age and exposure to sunlight. Dattani JT, et al. **Hum Nutr Clin Nutr** 1984 Mar;38(2):131–7
Calcium and vitamin–D metabolism in nephrotic syndrome. Alon U, et al. **Int J Pediatr Nephrol** 1983 Jun;4(2):115–8
Calcium and sodium transport and vitamin D metabolism in the spontaneously hypertensive rat. Schedl HP, et al. **J Clin Invest** 1984 Apr;73(4):980–6
Impaired vitamin D metabolism with aging in women. Possible role in pathogenesis of senile osteoporosis. Tsai KS, et al. **J Clin Invest** 1984 Jun;73(6):1668–72
Vitamin D nutrition in pregnant women at term and in newly born babies in Saudi Arabia. Serenius F, et al. **J Clin Pathol** 1984 Apr;37(4):444–7
Immunocytochemical localization of rat intestinal vitamin D–dependent calcium–binding protein. Taylor AN, et al. **J Histochem Cytochem** 1984 Feb;32(2):153–8
Effect of sow vitamin D status at parturition on the vitamin D status of neonatal piglets. Goff JP, et al. **J Nutr** 1984 Jan;114(1):163–9
Vitamin D in human milk: is there enough? Greer FR, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S277–81
Vitamin D metabolism in nephrotic rats. Chan YL, et al. **Kidney Int** 1983 Sep;24(3):336–41
Parenteral aluminum administration in the dog: II. Induction of osteomalacia and effect on vitamin D metabolism. Goodman WG, et al. **Kidney Int** 1984 Feb;25(2):370–5
Effect of chronic metabolic acidosis on vitamin D metabolism in humans. Kraut JA, et al. **Kidney Int** 1983 Nov; 24(5):644–8
Vitamin D and the lymphomedullary system [editorial] **Lancet** 1984 May 19;1(8386):1105–6
Vitamin D metabolism in preterm infants [letter] Brooke OG. **Lancet** 1983 Oct 15;2(8355):913
Enterohepatic circulation of vitamin D: a reappraisal of the hypothesis. Clements MR, et al. **Lancet** 1984 Jun 23; 1(8391):1376–9
Enterohepatic circulation of vitamin D [letter] Compston J, et al. **Lancet** 1984 Sep 1;2(8401):516
Aberration in vitamin D metabolism during mianserin treatment [letter] Lo Cascio V, et al. **Lancet** 1984 Apr 28; 1(8383):958–9
Vitamin D metabolism in pre–term infants [letter] Markestad T, et al. **Lancet** 1983 Oct 22;2(8356):976
Unique hormonal regulation of vitamin D metabolism in the mammalian kidney. Kawashima H, et al. **Miner Electrolyte Metab** 1983;9(4–6):227–35 (61 ref.)
Ultraviolet irradiation increases serum 1,25–dihydroxyvitamin D in vitamin–D–replete adults. Mawer EB, et al. **Miner Electrolyte Metab** 1984; 10(2):117–21
The vitamin D family revisited [editorial] Avioli LV, et al. **N Engl J Med** 1984 Jul 5;311(1):47–9 (39 ref.)
Calcium and vitamin D homeostasis in the nephrotic syndrome: current status. Alon U, et al. **Nephron** 1984; 36(1):1–4 (40 ref.)
Vitamin D metabolism in osteogenesis imperfecta during calcitonin therapy. Nishi Y, et al. **Pediatrics** 1984 Apr; 73(4):538–42
Vitamin D metabolism and anticonvulsant therapy: effect of sunshine on incidence of osteomalacia. Williams C, et al. **South Med J** 1984 Jul;77(7):834–6, 842
The vitamin D endocrine system, calcium metabolism, and osteoporosis. Slovik DM. **Spec Top Endocrinol Metab** 1983; 5:83–148 (304 ref.)
[Disturbances of vitamin D metabolism in rabbits treated with methylprednisolone] Colette C, et al. **C R Soc Biol (Paris)** 1983;177(3):313–9 (Eng. Abstr.) **(Fre)**
[Seasonal variations of vitamin D metabolites in man] Audran M, et al. **Presse Med** 1984 Mar 17;13(11):661–3 (Eng. Abstr.) **(Fre)**
[Vitamin D. Regulation of vitamin D metabolism and therapy with D metabolites] Ringe JD. **Med Monatsschr Pharm** 1983 Sep;6(9):263–9 **(Ger)**
[Abnormal bone metabolism in diabetes mellitus] Shimizu M, et al. **Horumon To Rinsho** 1983 Dec;31(12):1221–5 **(Jpn)**
[Studies of vitamin D metabolism on experimental hydronephrosis] Matsumoto A. **Nippon Jinzo Gakkai Shi** 1984 Apr;26(4):377–88 (Eng. Abstr.) **(Jpn)**
[Activation and regulation of vitamin D in pregnancy, fetus and newborn infant, with special reference to the etiology of rickets] Seino Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1983 Dec 20; 59(12):1957–60 **(Jpn)**
[Mechanism of development of glucocorticoid–induced osteoporosis and its treatment. Intestinal calcium absorption and vitamin D metabolism in patients under glucocorticoid therapy and correction of secondary hyperparathyroidism] Suzuki Y. **Nippon Naibunpi Gakkai Zasshi** 1983 Jun 20; 59(6):918–37 (Eng. Abstr.) **(Jpn)**
[Abnormalities of vitamin D metabolism in the aged] Okano K, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar; 20(2):105–11 **(Jpn)**
[Aging and vitamin D] Onishi T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):112–5 **(Jpn)**
[Recent research on metabolic activation of vitamin D] Ikekawa N. **Seikagaku** 1983 Nov;55(11):1297–316 (92 ref.) **(Jpn)**
[Vitamin D–binding protein] Bielecka L, et al. **Postepy Biochem** 1983;29(1):53–66 (41 ref.) **(Pol)**
[Vitamin D and collagen of bone tissue (review)] Spirichev VB, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):5–17 (88 ref.) **(Rus)**

PHARMACODYNAMICS

Parafollicular cells of the rat thyroid gland after treatment with vitamin D. Zabel M. **Acta Anat (Basel)** 1984; 118(1):18–22
Cation–dependent vitamin D activation of human renal cortical guanylate cyclase. Vesely DL, et al. **Am J Physiol** 1984 Jan;246(1 Pt 1):E115–20
Characterization of the vitamin D–dependent Ca2+–binding sites in rat intestinal Golgi–enriched membrane fractions. Walters JR, et al. **Biochem J** 1984 Mar 1;218(2):347–54
Relationship of non–esterified fatty acids to vitamin D–dependent Ca2+ binding by rat intestinal Golgi–enriched membrane fractions. Walters JR, et al. **Biochem J** 1984 Mar 1;218(2):355–60
Effects of vitamin D and parathyroid hormone on cyclic AMP production by bone cells isolated from rat calvariae. Crowell JA Jr, et al. **Calcif Tissue Int** 1984 May;36(3):320–6
Inhibitory effects of active vitamin D preparations on PTH secretion in rats. Kugai N, et al. **Endocrinol Jpn** 1984 Apr; 31(2):151–8
Blockade of the renal tubular effects of vitamin D by cycloheximide in the rat. Brezis M, et al. **Pflugers Arch** 1983 Aug;398(3):247–52

PHYSIOLOGY

Vitamin D is not directly necessary for bone growth and mineralization. Underwood JL, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E493–8
Nail growth, calcium, and vitamin D [letter] Hogan DB, et al. **Ann Intern Med** 1984 Aug;101(2):283
Vitamin D: metabolism and biological actions. Henry HL, et al. **Annu Rev Nutr** 1984;4:493–520 (236 ref.)
Studies on the role of vitamin D in early skeletal development, mineralization, and growth in rats. Miller SC, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):455–60
The role of vitamin D in the medullary bone formation in egg–laying Japanese quail and in immature male chicks treated with sex hormones. Takahashi N, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):465–71
Parathyroid hormone, calcitonin, and vitamin D metabolites during normal fracture healing in humans. A preliminary report. Meller Y, et al. **Clin Orthop** 1984 Mar;(183):238–45
Vitamin D–dependent rat renal calcium–binding protein: development of a radioimmunoassay, tissue distribution, and immunologic identification. Sonnenberg J, et al. **Endocrinology** 1984 Aug;115(2):640–8
Self–regulation of phosphate intake in the rat: the influence of age, vitamin D and parathyroid hormone. Siu GM, et al. **J Nutr** 1984 Jun;114(6):1097–105
Vitamin D and the lymphomedullary system [letter] Braidman IP, et al. **Lancet** 1984 Jun 23;1(8391):1415
Vitamin D and the lymphomedullary system [letter] Chambers TJ, et al. **Lancet** 1984 Jun 9;1(8389):1298
Uremic cardiomyopathy: potential role of vitamin D and parathyroid hormone. McGonigle RJ, et al. **Nephron** 1984; 36(2):94–100
Calciferols: actions and deficiencies in action. Marx SJ, et al. **Vitam Horm** 1983;40:235–308 (415 ref.)
[Regulation of bone metabolism] Pacovský V, et al. **Cas Lek Cesk** 1983 Sep 2;122(35):1057–60 (Eng. Abstr.) **(Cze)**

POISONING

Acute toxicosis in swine associated with excessive dietary intake of vitamin D. Long GG. **J Am Vet Med Assoc** 1984 Jan 15;184(2):164–70

THERAPEUTIC USE

Effect of vitamin D2 and D3 on bone–mineral content in carbamazepine–treated epileptic patients. Tjellesen L, et al. **Acta Neurol Scand** 1983 Dec;68(6):424–8
A review of aetiological and intervention studies on rickets and osteomalacia in the United Kingdom. Peach H. **Community Med** 1984 May;6(2):119–26
When is vitamin D–responsive bone disease not osteomalacia? [editorial] Rosenberg IH. **Hepatology** 1984 Jan–Feb; 4(1):157–8
Vitamin D compounds and renal osteodystrophy. Felsenfeld AJ, et al. **Int J Artif Organs** 1983 Nov;6(6):281–4
Persistence of parathyroid hypersecretion after vitamin D treatment in Asian vegetarians. Dandona P, et al. **J Clin Endocrinol Metab** 1984 Sep;59(3):535–7
[Is there justification for additional prevention using vitamin D in therapy with barbiturates?] Cupić V, et al. **Lijec Vjesn** 1984 Apr;106(4):147–51 (Eng. Abstr.) **(Scr)**

TOXICITY

[Cardiovascular lesions induced in rats by vitamin D. Possible protective effect of sulfinpyrazone] Giannini SD, et al. **Arq Bras Cardiol** 1983 Sep;41(3):195–8 (Eng. Abstr.) **(Por)**

VITAMIN D 2 see **ERGOCALCIFEROL**

VITAMIN D 3 see **CHOLECALCIFEROLS**

VITAMIN D DEFICIENCY

Self-selection of a high calcium diet by vitamin D–deficient lactating rats increases food consumption and milk production. Brommage R, et al. **J Nutr** 1984 Aug; 114(8):1377–85

BLOOD

Persisting vitamin D deficiency in the Asian adolescent. O'Hare AE, et al. **Arch Dis Child** 1984 Aug;59(8):766–70

Vitamin D metabolites in renal insufficiency and other vitamin D disorders of children. Chesney RW, et al. **Kidney Int [Suppl]** 1983 Nov;15:S63–9

Effects of long-term vitamin D deficiency and response to vitamin D repletion in the mature and aging male and female rat. Thomas ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):161–75

25–Hydroxyvitamin D and total calcium: extraordinarily low plasma concentrations in Saudi mothers and their neonates. Taha SA, et al. **Pediatr Res** 1984 Aug;18(8):739–41

Complex carbohydrate diets are not capable of maintaining normal plasma calcium and phosphorus levels in vitamin D–deficient rats. Underwood JL, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2352–3

CHEMICALLY INDUCED

Does carbamazepine treatment lead to a need of extra vitamin D in some mentally retarded children? Rajantie J, et al. **Acta Paediatr Scand** 1984 May;73(3):325–8

COMPLICATIONS

Vitamin D and bone health in the elderly. Parfitt AM, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1014–31 (174 ref.)

A maternal defect is responsible for growth failure in vitamin D–deficient rat pups. Brommage R, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E216–20

Vitamin D deficiency in mothers of rachitic infants. Elidrissy AT, et al. **Calcif Tissue Int** 1984 May;36(3):266–8

24,25–Dihydroxycholecalciferol treatment of osteomalacia: use in a patient with vitamin D deficiency and hyperparathyroidism. Silver J, et al. **Isr J Med Sci** 1984 May;20(5):437–9

Vitamin D deficiency: a risk factor for osteomalacia in the aged. Barzel US. **J Am Geriatr Soc** 1983 Oct;31(10):598–601

Plasma creatinine and creatinine clearance in nutritional osteomalacia. Fonseca V, et al. **Lancet** 1984 May 19; 1(8386):1093–5

Vitamin D and femoral neck fractures in elderly South Australian women. Morris HA, et al. **Med J Aust** 1984 Apr 28;140(9):519–21

A patient with 25–hydroxylation of 1–alpha–hydroxy vitamin D in primary biliary cirrhosis complicated by renal tubular acidosis and a splenorenal shunt. Van Deuk WA, et al. **Neth J Med** 1984;27(2):40–3

A survey of vitamin D deficiency in gastrointestinal and liver disorders. Dibble JB, et al. **Q J Med** 1984 Winter; 53(209):119–34

[Deficiency rickets in older children. Apropos of 2 cases] Freycon MT, et al. **Pediatrie** 1983 Oct–Nov;38(7):485–90 (Eng. Abstr.) **(Fre)**

[Influence of vitamin D on skeletal muscles] Yamada N. **Rinsho Shinkeigaku** 1983 Jun;23(6):480–8 (Eng. Abstr.) **(Jpn)**

[Vitamin D and rickets (1)] Richardson de Corral V, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40(8):417–23 (0 ref.) (Eng. Abstr.) **(Spa)**

[Vitamin D and rickets. 2] Richardson de Corral V, et al. **Bol Med Hosp Infant Mex** 1983 Sep;40(9):480–7 (50 ref.) (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Screening for vitamin D depletion [letter] Parfitt AM. **Lancet** 1984 Jan 28;1(8370):227–8

[Diagnosis of nutritional rickets in a community and determination of serum vitamin 25(OH)D3] Berger A, et al. **Harefuah** 1983 Oct 2;105(7):183–4 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

Effects of 1,25–dihydroxycholecalciferol on phosphate transport in vitamin D–deprived rats. Kurnik BR, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F177–84

Bone histomorphometry in vitamin D–deficient rats infused with calcium and phosphorus. Weinstein RS, et al. **Am J Physiol** 1984 Jun;246(6 Pt 1):E499–505

Early effects of 1,25 dihydroxyvitamin D on bone calcium in vitamin D–deficient rats. Marie PJ. **Reprod Nutr Dev** 1983;23(6):979–993

[Vitamin D. Regulation of vitamin D metabolism and therapy with D metabolites] Ringe JD. **Med Monatsschr Pharm** 1983 Sep;6(9):263–9 **(Ger)**

ENZYMOLOGY

Distribution and properties of Ca2+–ATPase, phytase, and alkaline phosphatase in isolated enterocytes from normal and vitamin D–deficient rats. Chan SD, et al. **Gut** 1983 Oct;24(10):886–92

25–Hydroxyvitamin D 1 alpha– and 24–hydroxylase activities in pig kidney homogenates: effect of vitamin D deficiency. Engstrom GW, et al. **J Nutr** 1984 Jan;114(1):119–26

ETIOLOGY

Metabolic bone disease and vitamin D deficiency in Crohn's disease. **Nutr Rev** 1983 Jul;41(7):213–6 (8 ref.)

Thoughts on the aetiology of vitamin D deficiency in Asians. Heath DA. **Postgrad Med J** 1983 Oct;59(696):649–51

METABOLISM

Placental transport of calcium and phosphorus is not regulated by vitamin D. Brommage R, et al. **Am J Physiol** 1984 Apr;246(4 Pt 2):F526–9

Effect of vitamin D3 on duodenal calcium absorption in vivo during early development. Dostal LA, et al. **Am J Physiol** 1984 May;246(5 Pt 1):G528–34

Effects of 1,25–dihydroxyvitamin D3 on colonic calcium transport in vitamin D–deficient and normal rats. Favus MJ, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):G268–73

Stimulation of 24R,25–dihydroxyvitamin D3 synthesis by metabolites of vitamin D3. Reddy GS, et al. **Am J Physiol** 1983 Oct;245(4):E359–64

Vitamin D intake, sunlight exposure and 25–hydroxyvitamin D levels in the elderly during one year. Lamberg–Allardt C. **Ann Nutr Metab** 1984;28(3):144–50

Pancreatic vitamin D–dependent calcium binding protein: biochemical properties and response to vitamin D. Kadowaki S, et al. **Arch Biochem Biophys** 1984 Aug 15; 233(1):228–36

Skin calcium–binding protein: effect of vitamin D deficiency and vitamin D treatment. Rizk M, et al. **Biochem Biophys Res Commun** 1984 Aug 30;123(1):230–7

The renal metabolism of 25–hydroxyvitamin D3 in the rat: regulation by 1,25–dihydroxyvitamin D3. Turner RT, et al. **Calcif Tissue Int** 1983 Jul;35(4–5):438–42

Cellular utilization of cytosolic NADPH in kidney and liver cells from rats fed a normal or a vitamin D–deficient diet. Bachelet M, et al. **Cell Biochem Funct** 1983 Apr;1(1):25–9

An investigation of the biological activity of parathyroid hormone in pseudohypoparathyroidism: comparison with vitamin D deficiency. Allgrove J, et al. **Clin Endocrinol (Oxf)** 1984 May;20(5):503–14

Influence of vitamin D status on insulin secretion and glucose tolerance in the rabbit. Nyomba BL, et al. **Endocrinology** 1984 Jul;115(1):191–7

Vitamin D–mediated decrease of Ca2+–pump activity in the rat parotid gland. Hayakawa M, et al. **Int J Biochem** 1983; 15(9):1175–8

Dietary vitamin D is essential for normal insulin secretion from the perfused rat pancreas. Kadowaki S, et al. **J Clin Invest** 1984 Mar;73(3):759–66

Vitamin D deficiency and renal calcium transport in the rat. Yamamoto M, et al. **J Clin Invest** 1984 Aug;74(2):507–13

Vitamin D in human milk: is there enough? Greer FR, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S277–81

Phospholipid changes in the bones of the vitamin D–deficient, phosphate–deficient, immature rat. Boskey AL, et al. **Metab Bone Dis Relat Res** 1983–84;5(2):81–5

Graded nephron mass reduction and renal synthesis of 1,25–dihydroxyvitamin D3 in the rat. Kawaguchi Y, et al. **Metab Bone Dis Relat Res** 1983;4(6):333–6

OCCURRENCE

Vitamin D status of Saudi men. Sedrani SH. **Trop Geogr Med** 1984 Jun;36(2):181–7

[Vitamin D deficiency in the elderly. Role of the social life style and autonomy (letter)] Sebag–Lanoe R, et al. **Presse Med** 1983 Dec 24;12(47):3005 **(Fre)**

PATHOLOGY

The effects of calcium and vitamin D deficiencies on the pig mandibular bone. Daculsi G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Dec; 26(4):285–95

Peroxisomes in the absorptive cells of normal, rachitic, and vitamin–D replete chick intestine: ultrastructure and histochemistry. Davis WL, et al. **Tissue Cell** 1984; 16(3):443–53

PHYSIOPATHOLOGY

Vitamin D–deficient rats produce reduced quantities of a nutritionally adequate milk. Brommage R, et al. **Am J Physiol** 1984 Mar;246(3 Pt 1):E221–6

Alterations in rat epidermis provoked by chronic vitamin D deficiency. Pavlovitch JH, et al. **Am J Physiol** 1984 Aug; 247(2 Pt 1):E228–33

24,25(OH)2D3, bone formation, and bone resorption in vitamin D–deficient, azotemic rats. Goodman WG, et al. **Calcif Tissue Int** 1984 Mar;36(2):206–13

Cellular mechanisms of insulin release: the effects of vitamin D deficiency and repletion on rat insulin secretion. Chertow BS, et al. **Endocrinology** 1983 Oct;113(4):1511–8

Calcitriol but no other metabolite of vitamin D is essential for normal bone growth and development in the rat. Parfitt AM, et al. **J Clin Invest** 1984 Feb;73(2):576–86

Pain threshold and morphine activity in vitamin D–deficient rats. Bazzani C, et al. **Life Sci** 1984 Jan 30;34(5):461–6

Calciferols: actions and deficiencies in action. Marx SJ, et al. **Vitam Horm** 1983;40:235–308 (415 ref.)

PREVENTION & CONTROL

Screening for vitamin D depletion [letter] Hosking DJ, et al. **Lancet** 1984 Apr 14;1(8381):853

[Does calcifediol replace vitamin D as a preventive and therapeutic agent?] Burmeister W. **Monatsschr Kinderheilkd** 1984 Jul;132(7):556–7 (Eng. Abstr.) **(Ger)**

URINE

Urinary cyclic AMP in vitamin D deficiency rickets. Yordam N, et al. **Turk J Pediatr** 1983 Apr–Jun;25(2):83–90

VETERINARY

Effects of vitamin D3 deficiency on adenosine triphosphatase activity of jejunums from white Leghorn hens. Grunder AA, et al. **Poult Sci** 1984 May;63(5):1073–5

A chick bone model for evaluating radial bone growth. 1. Effects of vitamin D3 deficiency. Pellegrino ED, et al. **Poult Sci** 1983 Oct;62(10):2083–7

VITAMIN DEFICIENCY see **AVITAMINOSIS**

VITAMIN E

Oxidation of alpha–tocopherol in micelles and liposomes by the hydroxyl, perhydroxyl, and superoxide free radicals. Fukuzawa K, et al. **Arch Biochem Biophys** 1983 Oct 1; 226(1):242–51

Formation of alpha–tocopherol complexes with fatty acids. A hypothetical mechanism of stabilization of biomembranes by vitamin E. Erin AN, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):96–102

Effects of pressure on the phase transition of bilayers in liposomes. Influence of cholesterol and alpha–tocopherol. Tamura K, et al. **Biophys Chem** 1984 May;19(3):273–7

Electron spin resonance study of the role of vitamin E and vitamin C in the inhibition of fatty acid oxidation in a model membrane. Bascetta E, et al. **Chem Phys Lipids** 1983 Aug; 33(2):207–10

Biology of vitamin E. **Ciba Found Symp** 1983;101:1–260

Inhibition of oxidation of methyl linoleate in solution by vitamin E and vitamin C. Niki E, et al. **J Biol Chem** 1984 Apr 10;259(7):4177–82

[Formation of alpha–tocopherol complexes with fatty acids. Possible mechanism of biomembrane stabilization by vitamin E] Erin AN, et al. **Biokhimiia** 1983 Nov; 48(11):1855–61 (Eng. Abstr.) **(Rus)**

[Ways of increasing the protective effect of cardioplegic solutions] Lubiako AA, et al. **Kardiologiia** 1984 Jan; 24(1):63–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Deficiency of neutrophil phagocytosis in premature infants: effect of vitamin E supplementation. Chirico G, et al. **Acta Paediatr Scand** 1983 Jul;72(4):521–4

The effect of vitamin E on erythrocyte hemolysis and lipid peroxidation in newborn premature infants. Cruz CS, et al. **Acta Paediatr Scand** 1983 Nov;72(6):823–6

Effect of dietary and injectable vitamin E on the antioxidant status of pigs. Jensen PT, et al. **Acta Vet Scand** 1983; 24(3):259–68

Vitamin nutrition in patients on continuous ambulatory peritoneal dialysis (CAPD). Blumberg A, et al. **Clin Nephrol** 1983 Nov;20(5):244–50

Vitamin E and oxygen toxicity in adult rats. Timtim JK, et al. **Hawaii Med J** 1983 Jul;42(7):160–4

Acute cardiac toxicity in patients after doxorubicin treatment and the effect of combined tocopherol and nifedipine pretreatment. Lenzhofer R, et al. **J Cancer Res Clin Oncol** 1983;106(2):143–7

Effect of dietary level of Vitamin E on the immune system of the spontaneously hypertensive (SHR) and normotensive Wistar Kyoto (WKY) rat. Bendich A, et al. **J Nutr** 1983 Oct;113(10):1920–6

Relative antioxidant effectiveness of alpha–tocopherol and gamma–tocopherol in iron–loaded rats. Dillard CJ, et al. **J Nutr** 1983 Nov;113(11):2266–73

Requirement for alpha–tocopherol by channel catfish fed diets low in polyunsaturated triglycerides. Lovell RT, et al. **J Nutr** 1984 May;114(5):894–901

Protective effect of vitamin E against immunosuppression induced by adriamycin, mitomycin C and 5–fluorouracil in mice. Yasunaga T, et al. **Nippon Geka Hokan** 1983 Sep 1;52(5):591–601

Megavitamin E supplementation and vitamin K–dependent carboxylation. **Nutr Rev** 1983 Sep;41(9):268–70 (19 ref.)

Retrolental fibroplasia and vitamin E in the preterm infant—comparison of oral versus intramuscular:oral administration. Hittner HM, et al. **Pediatrics** 1984 Feb; 73(2):238–49

[The effect of preventive administration of vitamin A and E to piglets fed a complete mixture] Dvořák M.

Vet Med (Praha) 1983 Nov;28(11):641–50 (Eng. Abstr.) (Cze)

[Experimental study of cerebral protective effect on cerebral ischemia of various antioxidants and other agents. With special reference to the combined treatment of mannitol, vitamin E, dexamethasone and perfluorochemicals] Fujimoto S, et al. **No Shinkei Geka** 1984 Feb;12(2):171–80 (Eng. Abstr.) (Jpn)

[Effect of vitamin E on the mechanical properties of the lungs of animals chronically exposed to cigarette smoke] Konieczny B. **Pneumonol Pol** 1984 Mar;52(3):117–22 (Eng. Abstr.) (Pol)

[The role of vitamins C and E in the regulation of lipid components of the blood in elderly persons] Ziemlański S, et al. **Pol Tyg Lek** 1984 Feb 27;39(9):281–8 (Eng. Abstr.) (Pol)

[Nutritive value of the daily diet of adolescents living in boarding schools. IV. Vitamin A, beta-carotene and alpha-tocopherol contents] Secomska B, et al. **Rocz Panstw Zakl Hig** 1983;34(3):251–6 (Eng. Abstr.) (Pol)

[Changes in lipid peroxidation indices and their correction in women before artificial interruption of pregnancy] Kryzhanovskii GN, et al. **Akush Ginekol (Mosk)** 1984 Mar; (3):34–5 (Eng. Abstr.) (Rus)

[Effect of vitamins A and E on the contractile function of the heart in experimental myocardial infarction] Frolov VA, et al. **Kardiologiia** 1983 Jul;23(7):93–5 (Eng. Abstr.) (Rus)

[Relation between the status of the blood adenylate system and the intensity of the process of lipid peroxidation in patients with newly detected pulmonary tuberculosis] Burlachuk VT, et al. **Probl Tuberk** 1984 May;(5):45–50 (Eng. Abstr.) (Rus)

[Role of combined administration of alpha-tocopherol and sodium nucleinate in normalizing the phospholipid composition of cardiac muscle in a model of myocardial infarction] Engibarian AA, et al. **Ukr Biokhim Zh** 1984 Mar–Apr;56(2):146–52 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Deaths in preterm infants associated with intravenous vitamin E supplement [letter] Butler J, et al. **Am J Hosp Pharm** 1984 Aug;41(8):1514, 1516

Topical vitamin E as a cause of erythema multiforme-like eruption. Saperstein H, et al. **Arch Dermatol** 1984 Jul; 120(7):906–8

Muscular calcification following injection of vitamin E in newborn infants. Schröder H, et al. **Eur J Pediatr** 1984 Jun;142(2):145–6

Unusual syndrome with fatalities among premature infants: association with a new intravenous vitamin E product. **MMWR** 1984 Apr 13;33(14):198–9

Intravenous vitamin E and deaths in the intensive care unit [letter] Bodenstein CJ. **Pediatrics** 1984 May;73(5):733

Vitamin E and necrotizing enterocolitis. Finer NN, et al. **Pediatrics** 1984 Mar;73(3):387–93

ANALOGS & DERIVATIVES

Acute monensin toxicosis in swine: effect of graded doses of monensin and protection of swine by pretreatment with selenium–vitamin E. Van Vleet JF, et al. **Am J Vet Res** 1983 Aug;44(8):1460–8

Soft-tissue injury caused by antineoplastic drugs is inhibited by topical dimethyl sulphoxide and alpha tocopherol. Nobbs P, et al. **Br J Cancer** 1983 Dec;48(6):873–6

Effects of alpha-tocopherol administration on red blood cell membrane lipid peroxidation in hemodialysis patients. Giardini O, et al. **Clin Nephrol** 1984 Mar;21(3):174–7

High-performance liquid chromatographic determination of tocopherols and tocotrienols and its application to diets and plasma of Finnish men. II. Applications. Piironen V, et al. **Int J Vitam Nutr Res** 1984;54(1):41–6

High-performance liquid chromatographic determination of tocopherols and tocotrienols and its application to diets and plasma of Finnish men. I. Analytical method. Piironen V, et al. **Int J Vitam Nutr Res** 1984;54(1):35–40

d,l-alpha-Tocopheryl acetate (vitamin E): a long term toxicity and carcinogenicity study in rats. Wheldon GH, et al. **Int J Vitam Nutr Res** 1983;53(3):287–96

Effects of vitamin E and selenium injections on reproduction and preweaning lamb survival in ewes consuming diets marginally deficient in selenium. Kott RW, et al. **J Anim Sci** 1983 Sep;57(3):553–8

Simultaneous determination by high-performance liquid chromatography of tocopherol isomers, alpha-tocopheryl quinone, and cholesterol in red blood cells and plasma. Stump DD, et al. **J Chromatogr** 1984 Mar 9;306:371–6

Vitamin E and selenium for reproduction of the dairy cow. Harrison JH, et al. **J Dairy Sci** 1984 Jan;67(1):123–32

Vitamin E supplementation of high fat diets for dairy cows. Lundin PK, et al. **J Dairy Sci** 1983 Sep;66(9):1909–16

Effect of vitamin E and selenium supplementation on incidence of clinical mastitis and duration of clinical symptoms. Smith KL, et al. **J Dairy Sci** 1984 Jun; 67(6):1293–300

Novel urinary metabolite of d-delta-tocopherol in rats. Chiku S, et al. **J Lipid Res** 1984 Jan;25(1):40–8

Effects of vitamin E depletion and repletion on renin release from renin granules. Morimoto S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):844–50

Prophylaxis of synthetic pyrethroid exposure. Flannigan SA, et al. **J Soc Occup Med** 1984 Feb;34(1):24–6

Effect of hyperthermia in combination with vitamin E and cyclic AMP on neuroblastoma cells in culture. Rama BN, et al. **Life Sci** 1984 May 21;34(21):2089–97

Study on the specificity of alpha-tocopheryl (vitamin E) acid succinate effects on melanoma, glioma and neuroblastoma cells in culture. Rama BN, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):302–7

dl-alpha-Tocopheryl succinate enhances the effect of gamma-irradiation on neuroblastoma cells in culture. Sarria A, et al. **Proc Soc Exp Biol Med** 1984 Jan;175(1):88–92

[Liver-protective effect of tocopherol acetate and selenium-containing preparations in tetracycline antibiotic lesions of the liver] Skakun NP, et al. **Antibiotiki** 1984 Mar; 29(3):223–7 (Eng. Abstr.) (Rus)

ANALYSIS

alpha-Tocopherol and ubiquinones in rat brain subjected to decapitation ischemia. Abe K, et al. **Brain Res** 1983 Aug 22;273(1):166–9

Interrelation of platelet vitamin E and thromboxane synthesis in type I diabetes mellitus. Karpen CW, et al. **Diabetes** 1984 Mar;33(3):239–43

High-performance liquid chromatographic determination of tocopherols and tocotrienols and its application to diets and plasma of Finnish men. II. Applications. Piironen V, et al. **Int J Vitam Nutr Res** 1984;54(1):41–6

High-performance liquid chromatographic determination of tocopherols and tocotrienols and its application to diets and plasma of Finnish men. I. Analytical method. Piironen V, et al. **Int J Vitam Nutr Res** 1984;54(1):35–40

Vitamin E content of feedstuffs determined by high-performance liquid chromatographic fluorescence. Cort WM, et al. **J Agric Food Chem** 1983 Nov–Dec; 31(6):1330–3

Automated determination of alpha-tocopherol in food and feed. Part 2. Continuous flow technique. Bourgeois CF, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):631–4

Specific determination of alpha-tocopherol in food and feed by fluorometry. Part 1. Manual method. Bourgeois CF, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):627–30

Vitamin E concentrations in the brains and some selected peripheral tissues of selenium-deficient and vitamin E-deficient mice. Vatassery GT, et al. **J Neurochem** 1984 Feb;42(2):554–8

Tocopherol isomers in intravenous lipid emulsions and resultant plasma concentrations. Gutcher GR, et al. **JPEN** 1984 May–Jun;8(3):269–73

High-performance liquid chromatography methods for vitamin E in tissues. Buttriss JL, et al. **Methods Enzymol** 1984;105:131–8

Vitamin E analysis methods for animal tissues. Desai ID. **Methods Enzymol** 1984;105:138–47

[Determination of the tocopherol content of the nonsaponifiable fraction of lupine oil (L. mutabilis)] Feldheim W, et al. **Z Lebensm Unters Forsch** 1984; 178(2):115–7 (Eng. Abstr.) (Ger)

[Rationalization in the problem of drug analysis: HPLC procedures for the contemporaneous determination of retinol, alpha-tocopherol, their esters, beta-carotene and other carotenoids] Cavina G, et al. **Boll Chim Farm** 1983 Nov;122(11):531–48 (Eng. Abstr.) (Ita)

[Formation of alpha-tocopherol complexes with free fatty acids. the nature of the complexes] Erin AN, et al. **Dokl Akad Nauk SSSR** 1983;273(2):489–93 (Rus)

[Use of a differential calorimetry method for studying the energy mechanisms of the protective action of anti-ischemic agents] Artamonov SD, et al. **Farmakol Toksikol** 1983 Nov–Dec;46(6):88–91 (Eng. Abstr.) (Rus)

[Effect of the qualitative characteristics of food products undergoing heat treatment in soybean oil on its tocopherol content] Kim DH. **Vopr Pitan** 1983 Jul–Aug;(4):68–70 (Eng. Abstr.) (Rus)

[Tocopherol and vitamin A content in the lipids of whitefish] Ushkalova VN, et al. **Vopr Pitan** 1983 Jul–Aug;(4):64–6 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

The biosynthesis of chloroplastidic terpenoid quinones and chromanols. Pennock JF. **Biochem Soc Trans** 1983 Oct; 11(5):504–10

BLOOD

Serum vitamin E and lipid peroxides in malnutrition, hyper and hypothyroidism. Krishnamurthy S, et al. **Acta Vitaminol Enzymol** 1984;6(1):17–21

The effect of chronic hypocholesterolemia in myeloproliferative disease on the distribution of plasma and erythrocyte tocopherol. Gilbert HS, et al. **Am J Clin Nutr** 1984 Jul;40(1):95–100

Serum concentrations of alpha-tocopherol after ingestion of various vitamin E preparations. Horwitt MK, et al. **Am J Clin Nutr** 1984 Aug;40(2):240–5

Evaluation of plasma tocopherols in relation to hematological indices of Brazilian infants on human milk and cows' milk regime from birth to 1 year of age. Martinez FE, et al. **Am J Clin Nutr** 1984 Jun;39(6):969–74

Serum vitamin E levels in children with corrected biliary atresia. Tazawa Y, et al. **Am J Clin Nutr** 1984 Aug; 40(2):246–50

Vitamins A, E, and carotene: effects of supplementation on their plasma levels. Willett WC, et al. **Am J Clin Nutr** 1983 Oct;38(4):559–66

Validation of a dietary questionnaire with plasma carotenoid and alpha-tocopherol levels. Willett WC, et al. **Am J Clin Nutr** 1983 Oct;38(4):631–9

Simultaneous determination of plasma retinol, alpha-tocopherol, lycopene, alpha-carotene, and beta-carotene by high-performance liquid chromatography. Miller KW, et al. **Anal Biochem** 1984 May 1;138(2):340–5

Reduced tocopherol content of B cells from patients with chronic lymphocytic leukemia. Kayden HJ, et al. **Blood** 1984 Jan;63(1):213–5

Plasma retinol, beta-carotene and vitamin E levels in relation to the future risk of breast cancer. Wald NJ, et al. **Br J Cancer** 1984 Mar;49(3):321–4

Liquid-chromatographic determination of alpha- and gamma-tocopherols in erythrocytes, with fluorescence detection. Lehmann J, et al. **Clin Chem** 1983 Oct; 29(10):1840–2

Investigations on vitamin E and lipid peroxide status in rheumatic diseases. Mezes M, et al. **Clin Rheumatol** 1983 Sep;2(3):259–63

Plasma vitamin E status in chronic alcoholic patients. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Nov; 12(3):269–72

Influence of plasma lipids and adiposity on red blood cell tocopherol level. Kitagawa M, et al. **Eur J Pediatr** 1983 Jun–Jul;140(3):238–43

Vitamin E and beta-thalassaemia [letter] Miniero R, et al. **Haematologica (Pavia)** 1983 Jul–Aug;68(4):562–3

Vitamin E status in Italian children subsisting on a Mediterranean diet. Ferro-Luzzi A, et al. **Hum Nutr Clin Nutr** 1984 May;38(3):195–201

Vitamin A, D and E status in a Finnish population--a multivitamin study. Parviainen MT, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):397–403

Serum vitamin E levels in patients with chronic renal failure. Stein G, et al. **Int J Artif Organs** 1983 Nov;6(6):285–7

Clinical chemical methods for the routine assessment of the vitamin status in human populations. Part I: The fat-soluble vitamins A and E, and beta-carotene. Vuilleumier JP, et al. **Int J Vitam Nutr Res** 1983;53(3):265–72

Changes in vitamin E concentrations in human plasma and platelets with age. Vatassery GT, et al. **J Am Coll Nutr** 1983;2(4):369–75

Vitamin E status of adolescent girls. Sutker LR, et al. **J Am Diet Assoc** 1983 Dec;83(6):678–81

Nutritional myodegeneration associated with vitamin E deficiency and normal selenium status in lambs. Maas J, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):201–4

Simultaneous determination by high-performance liquid chromatography of tocopherol isomers, alpha-tocopheryl quinone, and cholesterol in red blood cells and plasma. Stump DD, et al. **J Chromatogr** 1984 Mar 9;306:371–6

Selenium and vitamin E in relation to risk factors for coronary heart disease. Ellis NI, et al. **J Clin Pathol** 1984 Feb;37(2):200–6

Effects of alpha-tocopherol on platelet membrane function in cystic fibrosis. Davis PB, et al. **J Lab Clin Med** 1984 Aug;104(2):203–12

Tocopherol concentration in platelets in normal children and adults. Yaoi K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Apr;30(2):199–203

Platelet tocopherol levels in mucocutaneous lymph node syndrome (MCLS: Kawasaki disease). Yaoi K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):261–70

Plasma vitamin E levels in children with cholestasis. Alvarez F, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):390–3

Longitudinal study of plasma vitamin E levels in entirely breast-fed and partially breast-fed Brazilian infants during the first three months of life. Martinez FE, et al. **J Trop Pediatr** 1984 Apr;30(2):92–6

Tocopherol isomers in intravenous lipid emulsions and resultant plasma concentrations. Gutcher GR, et al. **JPEN** 1984 May–Jun;8(3):269–73

Use of antioxidants in the analysis of vitamins A and E in mammalian plasma by high performance liquid chromatography. Chow FI, et al. **Lipids** 1983 Nov; 18(11):837–41

The risk of cancer and serum vitamin A and E and carotenoids [letter] **N Engl J Med** 1984 Jul 12;311(2):121–3

Vitamin E deficiency with normal serum vitamin E concentrations in children with chronic cholestasis. Sokol RJ, et al. **N Engl J Med** 1984 May 10;310(19):1209–12

Relation of serum vitamins A and E and carotenoids to the risk of cancer. Willett WC, et al. **N Engl J Med** 1984 Feb 16;310(7):430–4

Effect of vitamin E on platelet aggregation in diabetes mellitus. Watanabe J, et al. **Tohoku J Exp Med** 1984 Jun; 143(2):161–9

[Determination of plasma tocopherols using high performance liquid chromatography] Heng EL, et al. **Int J Vitam Nutr Res** 1983;53(3):280–6 (Eng. Abstr.) (Fre)

[Modified half-micro method for Vitamin E determination in the serum] Peters HJ, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):441 (Eng. Abstr.) (Ger)

[Serum vitamin E concentration and erythrocyte membrane fatty acid composition in infants with iron deficiency

anemia] Heldenberg D, et al. **Harefuah** 1983 Jan 2; 104(1):12–4 (Eng. Abstr.) **(Heb)**

[Cerebrovascular disorders and vitamin E] Kibata M. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):116–21 **(Jpn)**

[Transport of vitamin E in the blood] Nakamura H. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):122–7 **(Jpn)**

[Serum vitamin E, cholesterol and triglyceride concentrations in patients with acute hepatic porphyria and porphyria cutanea tarda] Ostrowski J, et al. **Pol Tyg Lek** 1984 Jan 16;39(3):87–9 (Eng. Abstr.) **(Pol)**

[Simultaneous fluorometric determination of the concentrations of vitamins E and A in blood serum] Cherniauskene RCh, et al. **Lab Delo** 1984;(6):362–5 (Eng. Abstr.) **(Rus)**

[Vitamin E and serum lipids in ischemic heart disease] Cherniauskene RCh, et al. **Vopr Med Khim** 1984 May–Jun; 30(3):102–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Intestinal absorption of vitamin E in low birth weight infants. Jansson L, et al. **Acta Paediatr Scand** 1984 May; 73(3):329–32

Effect of sexual steroids on lipid and lipid–soluble vitamin transport in domestic fowl. Lencsés G, et al. **Acta Vet Acad Sci Hung** 1982;30(4):213–6

Changes in the levels of endogenous coenzyme Q homologs, alpha–tocopherol, and glutathione in rat liver after hepatic ischemia and reperfusion, and the effect of pretreatment with coenzyme Q10. Marubayashi S, et al. **Biochim Biophys Acta** 1984 Jan 24;797(1):1–9

Kinetics of transfer of alpha–tocopherol between model and native plasma lipoproteins. Massey JB. **Biochim Biophys Acta** 1984 May 11;793(3):387–92

Concentrations of vitamin E in various neuroanatomical regions and subcellular fractions, and the uptake of vitamin E by specific areas, of rat brain. Vatassery GT, et al. **Biochim Biophys Acta** 1984 Feb 9;792(2):118–22

Exercise endurance–training alters vitamin E tissue levels and red–blood–cell hemolysis in rodents. Aikawa KM, et al. **Biosci Rep** 1984 Mar;4(3):253–7

Solubilization of dl–alpha–tocopherol by bile salts, polysorbate 80 and egg lecithin. Imai J, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):4077–82

The role of vitamin E in biological membranes. Diplock AT. **Ciba Found Symp** 1983;101:45–55

Tocopherol content of adipose tissue from vitamin E–deficient humans. Kayden HJ. **Ciba Found Symp** 1983; 101:70–91 (28 ref.)

Endurance training and antioxidants of lung. Salminen A, et al. **Experientia** 1984 Aug 15;40(8):822–3

Intestinal absorption of tocopherols in homozygous beta–thalassemia. A study of twenty patients. Giardini O, et al. **Haematologica (Pavia)** 1984 Mar–Apr;69(2):127–32

Effect of age on vitamin E concentrations in various regions of the brain and a few selected peripheral tissues of the rat, and on the uptake of radioactive vitamin E by various regions of rat brain. Vatassery GT, et al. **J Neurochem** 1984 Aug;43(2):409–12

Lipid peroxide, alpha–tocopherol and retinoid levels in plasma and liver of rats fed diets containing beta–carotene and 13–cis–retinoic acid. Alam SQ, et al. **J Nutr** 1983 Dec; 113(12):2608–14

Comparison of vitamin E and 25–hydroxyvitamin D absorption during childhood cholestasis. Sokol RJ, et al. **J Pediatr** 1983 Nov;103(5):712–7

Effect of formulation on the bioavailability of retinol, D–alpha–tocopherol and riboflavine. Bateman NE, et al. **J Pharm Pharmacol** 1984 Jul;36(7):461–4

Intestinal absorption of dl–alpha–tocopherol from bile salts and polysorbate 80 micellar solutions in rat. Imai J, et al. **J Pharmacobiodyn** 1983 Dec;6(12):897–902

Increased plasma and tissue levels of vitamin E in the spontaneously diabetic BB rat. Behrens WA, et al. **Life Sci** 1984 Jul 9;35(2):199–206

Pharmacokinetics of a single intramuscular injection of vitamin E to premature neonates. Colburn WA, et al. **Pediatr Pharmacol (New York)** 1983;3(1):7–14

[Tocopherol absorption and accumulation in the body of rams] Kaludin I, et al. **Vet Med Nauki** 1984;21(1):94–7 (Eng. Abstr.) **(Bul)**

[Significance of nonsaponifiable constituents of dietary fats on the bioactivity of vitamin E] Koop R, et al. **Z Ernahrungswiss** 1983 Dec;22(4):271–86 (Eng. Abstr.) **(Ger)**

[Seasonal changes in the vitamin E content in the body of white rats of different ages] Paranich AV. **Fiziol Zh** 1984 Mar–Apr;30(2):217–22 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of selenium–vitamin E injection on bovine polymorphonucleated leukocytes phagocytosis and killing of Staphylococcus aureus. Gyang EO, et al. **Am J Vet Res** 1984 Jan;45(1):175–7

Selenium concentrations in feeds and effects of treating pregnant Holstein cows with selenium and vitamin E on blood selenium values and reproductive performance. Kappel LC, et al. **Am J Vet Res** 1984 Apr;45(4):691–4

The effect of alpha–tocopherol and ascorbic acid on the serum lipid peroxide level in elderly people. Wartanowicz M, et al. **Ann Nutr Metab** 1984;28(3):186–91

Vitamin A metabolism: alpha–tocopherol modulates tissue retinol levels in vivo, and retinyl palmitate hydrolysis in vitro. Napoli JL, et al. **Arch Biochem Biophys** 1984 Apr; 230(1):194–202

PUVA–induced erythema and changes in mechanoelectrical properties of skin. Inhibition by tocopherols. Potapenko AYa, et al. **Arch Dermatol Res** 1984;276(1):12–6

Effect of dietary vitamin E or selenium on prostaglandin dehydrogenase in hyperoxic rat lung. North LN, et al. **Aviat Space Environ Med** 1984 Jul;55(7):617–9

Quenching of singlet oxygen by D–alpha–tocopherol in human granulocytes. Littarru GP, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):1056–61

Effects of physical exercise and/or vitamin E on tissue oxidative metabolism. Quintanilha AT. **Biochem Soc Trans** 1984 Jun;12(3):403–4

Vitamin E and stabilization of membrane lipid organization in red blood cells with peroxidative damage. Jain SK. **Biomed Biochim Acta** 1983;42(11–12):S43–7

The effect of vitamin E and oxidized fish oil on the nutrition of rainbow trout (Salmo gairdneri) grown at natural, varying water temperatures. Cowey CB, et al. **Br J Nutr** 1984 May;51(3):443–51

Effect of high vitamin A or tocopherol intake on hepatic lipid metabolism and intestinal absorption and secretion of lipids and bile acids in the chick. Sklan D. **Br J Nutr** 1983 Sep;50(2):409–16

Vitamin A absorption and metabolism in the chick: response to high dietary intake and to tocopherol. Sklan D. **Br J Nutr** 1983 Sep;50(2):401–7

The effect of tocopherol and dimethyl sulfoxide on focal edema and lipid peroxidation induced by isocortical injection of ferrous chloride. Willmore LJ, et al. **Brain Res** 1984 Apr 2;296(2):389–92

Vitamin E as an antioxidant in vitro and in vivo. Burton GW, et al. **Ciba Found Symp** 1983;101:4–18

The effect of vitamin E on rabbit neutrophil activation. Lafuze JE, et al. **Ciba Found Symp** 1983;101:130–46

Free radical protection: why vitamin E, not vitamin C, beta–carotene or glutathione? Willson RL. **Ciba Found Symp** 1983;101:19–44 (51 ref.)

Cellular and subcellular events in retinopathy of oxygen toxicity with a preliminary report on the preventive role of vitamin E and gamma–aminobutyric acid: a study in vitro. Tripathi BJ, et al. **Curr Eye Res** 1984 Jan;3(1):193–208 (86 ref.)

Dietary vitamin E and pulmonary biochemical responses of rats to cigarette smoking. Chow CK, et al. **Environ Res** 1984 Jun;34(1):8–17

Effect of alpha–tocopherol on the production of malondialdehyde in rat tissue homogenates after hypobaric exposure. Varškevičienė ZZ, et al. **Gen Physiol Biophys** 1984 Feb;3(1):47–53

New aspects of the inhibition of soybean lipoxygenase by alpha–tocopherol. Evidence for the existence of a specific complex. Grossman S, et al. **Int J Biochem** 1984;16(3):281–9

Biological activity of all–rac–a–tocopherol and RRR–a–tocopherol determined by three different rat bioassays. Leth T, et al. **Int J Vitam Nutr Res** 1983; 53(3):297–311

Brain lipid peroxidation induced by postischemic reoxygenation in vitro: effect of vitamin E. Yoshida S, et al. **J Cereb Blood Flow Metab** 1984 Sep;4(3):466–9

Interaction of dietary vitamin C and vitamin E on guinea pig immune responses to mitogens. Tendich A, et al. **J Nutr** 1984 Sep;114(9):1588–93

Effect of selenite, vitamin E and N,N'–diphenyl–p–phenylenediamine on liver organic solvent–soluble lipofuscin pigments in mice. Csallany AS, et al. **J Nutr** 1984 Sep;114(9):1582–7

Adherent cell requirement for the effect of vitamin E on in vitro antibody synthesis. Gebremichael A, et al. **J Nutr** 1984 Jul;114(7):1297–305

Parabolic response of hepatic microsomal hydroxylating system and lipids to graded doses of ascorbic acid in guinea pigs on low and high alpha–tocopherol intake. Ginter E, et al. **J Nutr** 1984 Mar;114(3):485–92

Effects of dietary vitamin E on serum and pulmonary fatty acids and prostaglandins in rats fed excess linoleic acid. Schafer E, et al. **J Nutr** 1984 Jun;114(6):1130–6

Effect of vitamin E on IgE antibody formation in mice. Inagaki N, et al. **J Pharmacobiodyn** 1984 Jan;7(1):70–4

Vitamin E and athletic performance. Shephard RJ. **J Sports Med Phys Fitness** 1983 Dec;23(4):461–70

Amelioration of cardiotoxic effects of alcohol by vitamin E Redetzki JE, et al. **J Toxicol Clin Toxicol** 1983 Jun; 20(4):319–31

Protective effect of vitamin E on genotoxicity of methylmercury. Gilbert MM, et al. **J Toxicol Environ Health** 1983 Oct–Dec;12(4–6):767–73

Vitamin E protects against methyl ethyl ketone peroxide–induced peroxidative damage to rat brain DNA. Summerfield FW, et al. **Mutat Res** 1984 Apr;126(2):113–20

Effects of vitamin E and selenium on the toxicity of paraquat. **Nutr Rev** 1984 Jul;42(7):260–2 (6 ref.)

Vitamin E attenuates the effects of FMLP on rabbit circulating granulocytes. Lafuze JE, et al. **Pediatr Res** 1984 Jun;18(6):536–40

Vitamin E inhibition of the effects of hyperoxia on the pulmonary surfactant system of the newborn rabbit. Ward JA, et al. **Pediatr Res** 1984 Apr;18(4):329–34

Effect of selenium and vitamin E on the development of immunity to coccidiosis in chickens. Colnago GL, et al. **Poult Sci** 1984 Jun;63(6):1136–43

A possible role of lipid peroxidation in cellular damages caused by cerebral ischemia and the protective effect of alpha–tocopherol administration. Yamamoto M, et al. **Stroke** 1983 Nov–Dec;14(6):977–82

Toxic effects of sodium selenite on pregnant mice and modification of the effects by vitamin E or reduced glutathione. Yonemoto J, et al. **Teratology** 1983 Dec; 28(3):333–40

Protective effect of vitamin E on immune triggered, granulocyte mediated erdothelial injury. Boogaerts MA, et al. **Thromb Haemost** 1984 Feb 28;51(1):89–92

Protection against misonidazole–induced neuropathy in rats: a biochemical assessment. Rose GP, et al. **Toxicol Lett** 1983 Jun;17(1–2):181–5

Protection of phagocytic macrophages from peroxidative damage by selenium and vitamin E. Oh SH, et al. **Yonsei Med J** 1982;23(2):101–9

[Effect of alpha–tocopherol and selenium on serum lipid peroxide of tumor–bearing rat] Yu SY. **Chung Hua Chung Liu Tsa Chih** 1984 Jan;6(1):5–7 (Eng. Abstr.) **(Chi)**

[Effects of vitamin E administration on high–density lipoprotein cholesterol and on hypolipoproteinemia A2] Cordova C, et al. **Clin Ter** 1983 Jul 15;106(1):35–8 (Eng. Abstr.) **(Ita)**

[Mechanism of tocopherol stabilization of sarcoplasmic reticulum Ca2+–ATPase from thermodenaturation activated by fatty acids] Ananieva LK, et al. **Biokhimiia** 1984 Jan;49(1):60–6 (Eng. Abstr.) **(Rus)**

[Effect of alpha–tocopherol on superoxide dismutase and glutathione lipoperoxidase activities of mouse liver cytosol and mitochondria] Lankin VZ, et al. **Biokhimiia** 1983 Sep; 48(9):1555–9 (Eng. Abstr.) **(Rus)**

[Vitamin E protection of membranes of the sarcoplasmic reticulum against the damaging effect of free fatty acids] Tabidze LV, et al. **Biull Eksp Biol Med** 1983 Nov; 96(11):48–50 (Eng. Abstr.) **(Rus)**

[Characteristics of the antioxidative action of tocopherols as natural antioxidants] Kukhtina EN, et al. **Dokl Akad Nauk SSSR** 1983;272(3):729–32 **(Rus)**

[Effect of vitamin E on biochemical processes in erythrocytes] Ulasevich II, et al. **Vopr Med Khim** 1984 Mar–Apr;30(2):118–20 (Eng. Abstr.) **(Rus)**

[Mechanism of action of vitamin E and its use in patients with chronic cor pulmonale (review of the literature)] Sakharchuk II, et al. **Vrach Delo** 1984 May;(5):65–8 (84 ref.) **(Rus)**

[Effect of vitamin E (alpha–tocopherol) on the spontaneous activity of the cerebral cortex] Teplyi DL. **Zh Vyssh Nerv Deiat** 1984 Jan–Feb;34(1):129–37 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Influence of vitamin E and selenium on glutathione–dependent protection against microsomal lipid peroxidation. Hill KE, et al. **Biochem Pharmacol** 1984 Apr 1;33(7):1065–8

Experimental models for nutritional myopathy. McMurray CH, et al. **Ciba Found Symp** 1983;101:201–23

Dietary selenium requirement of fingerling channel catfish. Gatlin DM 3d, et al. **J Nutr** 1984 Mar;114(3):627–33

Vitamin E, selenium and free radicals. Diplock AT. **Med Biol** 1984;62(2):78–80

Vitamin E, physical exercise and tissue damage in animals. Packer L. **Med Biol** 1984;62(2):105–9

Nutrition and cancer: a review, with emphasis on the role of vitamins C and E and selenium. Newberne PM, et al. **Nutr Cancer** 1983;5(2):107–19 (98 ref.)

THERAPEUTIC USE

Erythrocyte glutathione peroxidase activity in acne vulgaris and the effect of selenium and vitamin E treatment. Michaëlsson G, et al. **Acta Derm Venereol (Stockh)** 1984; 64(1):9–14

Altered lipoprotein metabolism in spontaneous vitamin E deficiency of owl monkeys. Meydani SN, et al. **Am J Clin Nutr** 1983 Dec;38(6):888–94

Lack of effect of vitamin E therapy on the anemia of patients receiving hemodialysis. Sinsakul V, et al. **Am J Clin Nutr** 1984 Feb;39(2):223–6

Vitamin A and vitamin E replacement in abetalipoproteinemia. Bieri JG, et al. **Ann Intern Med** 1984 Feb;100(2):238–9

Regional blood flow in compression–induced brain edema in rats: effect of dietary vitamin E. Busto R, et al. **Ann Neurol** 1984 May;15(5):441–8

Vitamin E treatment of haemolytic uraemic syndrome. Powell HR, et al. **Arch Dis Child** 1984 May;59(5):401–4

Retinopathy of prematurity: vitamin E. Mayes LE Jr. **Ariz Med** 1984 Mar;41(3):174–6

The role of vitamin E in clinical medicine. Bieri JG. **ASDC J Dent Child** 1984 Mar–Apr;51(2):133–6 (10 ref.)

Bullous disease of childhood: possibility of response to vitamin E [letter] Ayres S Jr. **Australas J Dermatol** 1983 Apr;24(1):44

Thalidomide or vitamin E therapy for discoid lupus erythematosus? [letter] Ayres S Jr. **Br J Dermatol** 1984 Jul;111(1):125–6

Effect of digoxin and vitamin E in preventing cardiac damage caused by doxorubicin in acute myeloid leukaemia. Whittaker JA, et al. **Br Med J [Clin Res]** 1984 Jan 28; 288(6413):283–4

Synergistic effect of vitamin E and selenium in the chemoprevention of mammary carcinogenesis in rats. Horvath PM, et al. **Cancer Res** 1983 Nov;43(11):5335–41

Protective effect of vitamin E on intraventricular haemorrhage in the newborn. Chiswick ML, et al. **Ciba Found Symp** 1983;101:186–200

Vitamin E and retrolental fibroplasia: prevention of serious ocular sequelae. Finer NN, et al. **Ciba Found Symp** 1983; 101:147–64

Vitamin E and retrolental fibroplasia: ultrastructural mechanism of clinical efficacy. Hittner HM, et al. **Ciba Found Symp** 1983;101:165–85

Vitamin E and neurological function: abetalipoproteinaemia and other disorders of fat absorption. Muller DP, et al. **Ciba Found Symp** 1983;101:106–21

Comparison of therapeutic agents for synthetic pyrethroid exposure. Tucker SB, et al. **Contact Dermatitis** 1983 Jul; 9(4):316

Concerning the article 'Ultrastructural evaluation of the retina in retinopathy of prematurity and correlations with vitamin E therapy'. Kretzer FL, et al. **Curr Eye Res** 1984 Jun;3(6):881–2

Prevention and management of retrolental fibroplasia. Hittner HM, et al. **Hosp Pract [Off]** 1984 Feb;19(2):85–94, 99

Phrynoderma: suggested vitamin A and E therapy [letter] Ayres S Jr. **Int J Dermatol** 1983 Nov;22(9):548–9

Protection against sodium valproate injury in isolated hepatocytes by alpha–tocopherol and N,N'–diphenyl–p–phenylenediamine. Buchi KN, et al. **J Clin Pharmacol** 1984 Apr;24(4):148–54

Darier's disease with salivary gland obstruction: synergistic therapy with vitamins A and E suggested [letter] Ayres S. **J R Soc Med** 1983 Nov;76(11):983

Evaluation and treatment of breast symptoms in patients with the premenstrual syndrome. London RS, et al. **J Reprod Med** 1983 Aug;28(8):503–8

Systolic time intervals in patients with progressive muscular dystrophy treated with sodium selenite and vitamin E. Airenne AL, et al. **Med Biol** 1984;62(2):154

Vitamin E protects against retinopathy of prematurity through action on spindle cells. Kretzer FL, et al. **Nature** 1984 Jun 28–Jul 4;309(5971):793–5

Vitamin E effect questioned [letter] Gole GA, et al. **Pediatrics** 1984 May;73(5):734–6

The effect of intravenous vitamin E and menadiol sodium diphosphate on vitamin K dependent clotting factors. Helson L. **Thromb Res** 1984 Jul 1;35(1):11–8

Current concepts in retrolental fibroplasia. Patz A. **Trans New Orleans Acad Ophthalmol** 1983;:192–8

Other treatments for herpes zoster neuralgia [letter] **West J Med** 1984 Feb;140(2):292

[Treatment of nephritis with 'yu pin feng san' and vitamin E] **Chung Hsi I Chieh Ho Tsa Chih** 1983 Nov;3(6):340 **(Chi)**

[Indications for vitamin E in the premature infant] Bouglé D, et al. **Arch Fr Pediatr** 1984 Jan;41(1):63–6 (69 ref.) **(Fre)**

[Vitamin E and arteriosclerosis] Simon–Schnass I, et al. **ZFA (Stuttgart)** 1983 Sep 30;59(27):1474–6 **(Ger)**

[K–strophanthin and vitamin E in the prevention of myocardiopathy caused by adriamycin. Noninvasive evaluation at rest and after isometric exercise] Butturini U, et al. **Clin Ter** 1984 Mar 15;108(5):389–95 (Eng. Abstr.) **(Ita)**

[Effect of vitamin E (DL–alpha–tocopherol) on the growth of the rat glioma cells in culture] Kokunai T, et al. **Neurol Med Chir (Tokyo)** 1983 Jun;23(6):421–7 (Eng. Abstr.) **(Jpn)**

[Vitamin E and selenium–containing preparations in the prevention treatment of tetracycline–induced lesions of the liver] Skakun NP, et al. **Antibiotiki** 1983 Aug;28(8):608–12 (Eng. Abstr.) **(Rus)**

[Seasonal features of the excretory function of the liver in the presence of tetracycline damage and correction of the disorders with antioxidants] Skakun NP, et al. **Antibiotiki** 1983 Oct;28(10):757–60 (Eng. Abstr.) **(Rus)**

[Comparison of the antihypoxic effect of alpha–tocopherol, NAD and inosine during prolonged artificial circulation] Stupin IV, et al. **Farmakol Toksikol** 1984 Jan–Feb; 47(1):88–93 (Eng. Abstr.) **(Rus)**

[Effect of combined use of hyperbaric oxygenation and alpha–tocopherol on the contractile function and various components of the antioxidant system of the heart after adrenaline lesioning] Demurov EA, et al. **Kardiologiia** 1984 Jan;24(1):67–70 (Eng. Abstr.) **(Rus)**

[Activity of enzymes with an antioxidant action in the myocardium and blood of the rat during cardiovascular insufficiency] Poberezkina NB, et al. **Ukr Biokhim Zh** 1984 Jan–Feb;56(1):75–8 (Eng. Abstr.) **(Rus)**

[Alpha–tocopherol in the complex treatment of several forms of epilepsy] Kovalenko VM, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):892–7 (Eng. Abstr.) **(Rus)**

URINE

Novel urinary metabolite of d–delta–tocopherol in rats. Chiku S, et al. **J Lipid Res** 1984 Jan;25(1):40–8

VITAMIN E DEFICIENCY

BLOOD

Unbalanced plasma control of TxA2 and PGI2 synthesis in vitamin E–deficient rats. Falanga A, et al. **Am J Physiol** 1983 Nov;245(5 Pt 1):H867–70

Vitamin E, catalase, manganous or cobaltous ions and dithiothreitol protect against Tween 20–induced hemolysis of vitamin E–deficient chick and kid erythrocytes. Hamada T, et al. **Experientia** 1984 Mar 15;40(3):258–9

COMPLICATIONS

Endotoxin treatment protects vitamin E–deficient rats from pulmonary O2 toxicity. Frank L, et al. **Am J Physiol** 1984 Sep;247(3 Pt 2):R520–6

Vitamin E deficiency in adults [letter] Sokol RJ. **Ann Intern Med** 1984 May;100(5):769–70

Vitamin E and skeletal muscle. Jackson MJ, et al. **Ciba Found Symp** 1983;101:224–39

Vitamin E deficiency anemia in newborn infants. Zipursky A. **Clin Perinatol** 1984 Jun;11(2):393–402 (42 ref.)

Possible role of deficiency of selenium and vitamin E in atherosclerosis [letter] Mitchinson MJ. **J Clin Pathol** 1984 Jul;37(7):837

The vitamin E/selenium responsive diseases of animals and the sudden infant death syndrome: common findings [letter] Money DF. **NZ Med J** 1983 Nov 23;96(744):990

Ultrastructural changes in skeletal muscle of a patient with familial intrahepatic cholestasis associated with vitamin E deficiency. Kobayashi Y, et al. **Tohoku J Exp Med** 1984 Mar;142(3):337–46

Endotoxin–induced disseminated intravascular coagulation in vitamin E deficient rats. Yoshikawa T, et al. **Toxicol Appl Pharmacol** 1984 Jun 30;74(2):173–8

[Case of 'brown bowel syndrome' with posterior column degeneration, probably due to vitamin E deficiency] Murayama S, et al. **Nippon Naika Gakkai Zasshi** 1983 Sep; 72(9):1187–94 **(Jpn)**

DIAGNOSIS

Vitamin E deficiency in cholestatic liver disease [letter] Sokol RJ, et al. **J Pediatr** 1983 Oct;103(4):663–4

Vitamin E deficiency with normal serum vitamin E concentrations in children with chronic cholestasis. Sokol RJ, et al. **N Engl J Med** 1984 May 10;310(19):1209–12

ENZYMOLOGY

Altered property of sarcoplasmic Ca–ATPase from vitamin E–deficient dystrophic rabbit is associated with the protein and not the lipid component. Patipaporn K, et al. **Biochem Int** 1983 Mar;6(3):335–8

Effects of long–term vitamin E deficiency and restoration on rat hepatic peroxisomes. Suga T, et al. **Biochim Biophys Acta** 1984 Jul 6;794(2):218–24

Glutathione peroxidase (EC 1.11.1.9), glutathione–S–transferase (EC 2.5.1.13), superoxide dismutase (EC 1.15.1.1) and catalase (EC 1.11.1.6) activities in tissues of ducklings deprived of vitamin E and selenium. Xu GL, et al. **Br J Nutr** 1983 Sep;50(2):437–44

Superoxide dismutase in mouse brain, liver and heart in the presence and absence of dietary vitamin E1. Gavino VC, et al. **Enzyme** 1983;30(3):162–5

Effects of vitamin E depletion and repletion on renin release from renin granules. Morimoto S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):844–50

Stimulation of renin release from rat kidney cortical slices by vitamin E–deficiency. Morimoto S, et al. **J Pharmacobiodyn** 1983 Nov;6(11):892–5

ETIOLOGY

Mechanism causing vitamin E deficiency during chronic childhood cholestasis. Sokol RJ, et al. **Gastroenterology** 1983 Nov;85(5):1172–82

Small bowel resection with vitamin E deficiency and progressive spinocerebellar syndrome. Bertoni JM, et al. **Neurology (NY)** 1984 Aug;34(8):1046–52

FAMILIAL & GENETIC

Familial intrahepatic cholestasis associated with progressive neuromuscular disease and vitamin E deficiency. Nakagawa M, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):385–9

METABOLISM

Effect of dietary coconut oil and casein and megadoses of vitamin A or C on tissue lipid peroxidation and hemolysis in vitamin E deficiency. Krishnamurthy S, et al. **Acta Vitaminol Enzymol** 1983;5(3):165–70

Altered lipoprotein metabolism in spontaneous vitamin E deficiency of owl monkeys. Meydani SN, et al. **Am J Clin Nutr** 1983 Dec;38(6):888–94

Action tremor as a manifestation of chylomicron retention disease [letter] Gauthier S, et al. **Ann Neurol** 1983 Nov; 14(5):591

The effect of vitamin E or selenium on the oxidant–antioxidant balance in rats. Doni MG, et al. **Br J Exp Pathol** 1984 Feb;65(1):75–80

Effects of ascorbic acid and ferrous ions on renin release from renin granules of vitamin E–deficient rats. Morimoto S, et al. **Chem Pharm Bull (Tokyo)** 1984 May;32(5):2033–5

Tocopherol content of adipose tissue from vitamin E–deficient humans. Kayden HJ. **Ciba Found Symp** 1983; 101:70–91 (28 ref.)

Vitamin E, physical exercise and tissue oxidative damage. Quintanilha AT, et al. **Ciba Found Symp** 1983;101:56–69

Deficiencies of vitamins E and A in the rat: lipofuscin accumulation in the choroid. Herrmann RK, et al. **Invest Ophthalmol Vis Sci** 1984 Apr;25(4):429–33

Vitamin E concentrations in the brains and some selected peripheral tissues of selenium–deficient and vitamin E–deficient mice. Vatassery GT, et al. **J Neurochem** 1984 Feb;42(2):554–8

Relative antioxidant effectiveness of alpha–tocopherol and gamma–tocopherol in iron–loaded rats. Dillard CJ, et al. **J Nutr** 1983 Nov;113(11):2266–73

Lipofuscin accumulation resulting from senescence and vitamin E deficiency: spectral properties and tissue distribution. Katz ML, et al. **Mech Ageing Dev** 1984 Apr–May;25(1–2):149–59

Evidence for lipid peroxidation during the calcium paradox in vitamin E–deficient rat heart. Julicher RH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 May; 326(1):87–9

Toxicity studies in isolated hepatocytes from selenium–deficient rats and vitamin E–deficient rats. Hill KE, et al. **Toxicol Appl Pharmacol** 1984 Jan;72(1):32–9

Increasing lipid peroxidation by vitamin E deficiency does not augment adriamycin–induced inhibition of hepatic drug metabolism. Atkinson JE, et al. **Toxicology** 1983 Dec; 29(1–2):121–9

[Modification of an enzymic system of Ca2+ transport in sarcoplasmic reticulum during lipid peroxidation. In vivo damages in the development of pathological changes] Kagan VE, et al. **Biokhimiia** 1983 Jul;48(7):1141–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Neuropathological studies of chronic vitamin E deficiency in mammals including humans. Nelson JS. **Ciba Found Symp** 1983;101:92–105

Effect of chronic vitamin E deficiency on the synapses of cerebellar glomeruli in young rats. Bertoni–Freddari C, et al. **Mech Ageing Dev** 1984 Feb;24(2):225–32

[Electron microscopic observations of the lung in vitamin E deficient hamsters] Takahashi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Dec; 21(12):1166–75 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Reversible visual evoked potential abnormalities in vitamin E deficiency. Messenheimer JA, et al. **Ann Neurol** 1984 May;15(5):499–501

Strain differences in testes degeneration, myopathy, and the lymphocyte mitogen response in vitamin E–deficient rats. Gabriel E, et al. **Proc Soc Exp Biol Med** 1984 Sep; 176(4):378–83

VETERINARY

Effect of dietary and injectable vitamin E on the antioxidant status of pigs. Jensen PT, et al. **Acta Vet Scand** 1983; 24(3):259–68

Myelopathy and vitamin E deficiency in six Mongolian wild horses. Liu SK, et al. **J Am Vet Med Assoc** 1983 Dec 1; 183(11):1266–8

Nutritional myodegeneration associated with vitamin E deficiency and normal selenium status in lambs. Maas J, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):201–4

Suspected vitamin E–selenium deficiency in two ostriches. Van Heerden J, et al. **J S Afr Vet Assoc** 1983 Mar; 54(1):53–4

Effects of dietary protein level and level of feed intake on the apparent bioavailability of selenium for the chick. Zhou YP, et al. **Poult Sci** 1984 Feb;63(2):294–303

Haematological values in mouflon (Ovis musimon): influence of age, sex, season and vitamin E status. Hawkey CM, et al. **Res Vet Sci** 1984 Jan;36(1):37–42

VITAMIN G see **RIBOFLAVIN**

VITAMIN H see **BIOTIN**

VITAMIN K

Kinetics of drug decomposition. Part 73. Kinetics and mechanism of vitamin K3 soluble form thermal decomposition in solid phase. Pawełczyk E, et al. **Pol J Pharmacol Pharm** 1982 Nov–Dec;34(5–6):399–408

ADVERSE EFFECTS

Cautions on the use of vitamin K and enteral preparations. Kutsop JJ. **Am Pharm** 1983 Oct;NS23(10):16–7

ANALOGS & DERIVATIVES

Vitamin K–dependent carboxylase: evidence for a semiquinone radical intermediate. Canfield LM, et al. **Arch Biochem Biophys** 1984 May 1;230(2):389–99

Inhibitory effects of N–ethylmaleimide on insulin– and oxidant–stimulated sugar transport and on 125I–labelled insulin binding by rat soleus muscle. Kozka IJ, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):212–20

Determination of vitamin K analogues by high performance liquid chromatography with electrochemical derivatization. Kusube K, et al. **Chem Pharm Bull (Tokyo)** 1984 Jan;32(1):179–84

Vitamin K3–induced renal toxicosis in the horse. Rebhun WC, et al. **J Am Vet Med Assoc** 1984 May 15; 184(10):1237–9

Formation of 3–hydroxy–2,3–dihydrovitamin K1 in vivo: relationship to vitamin K epoxide reductase and warfarin resistance. Preusch PC, et al. **J Nutr** 1984 May; 114(5):902–10

Effect of vitamins other than vitamin C on viruses: virus–inactivating activity of vitamin K5. Murata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):721–4

The effect of intravenous vitamin E and menadiol sodium diphosphate on vitamin K dependent clotting factors. Helson L. **Thromb Res** 1984 Jul 1;35(1):11–8

[The role of early breast feeding and vicasol administration in development of blood coagulation in newborn infants] Chuprova AV, et al. **Pediatriia** 1983 Oct;(10):8–10 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of menaquinone–6 and a novel methyl–substituted menaquinone–6 in Campylobacter jejuni and Campylobacter fetus subsp. fetus. Carlone GM, et al. **J Gen Microbiol** 1983 Nov;129 (Pt 11):3385–93

Vitamin K level in maternal breast milk of infants with acquired prothrombin complex deficiency syndrome. Isarangkura PB, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):275–6

ANTAGONISTS & INHIBITORS

New examples of vitamin K–drug interaction. **Nutr Rev** 1984 Apr;42(4):161–3

[The adult intensive care physician and antivitamin K agents] Auzépy P, et al. **Agressologie** 1983 Nov;24(11):549–54 (40 ref.) (Eng. Abstr.) **(Fre)**

[Intramural hematoma of the digestive tract from vitamin K antagonists] Costecalde M, et al. **Ann Chir** 1984 Feb; 38(1):31–6 (Eng. Abstr.) **(Fre)**

[Drug interactions with antivitamins K] Chrétien P, et al. **LARC Med** 1983 Nov;3(9):625–32 **(Fre)**

[Vitamin K antagonists] D'Agostino F, et al. **Riv Emoter Immunoematol** 1983;30(1):1–31 **(Ita)**

[Clinical pharmacology of drugs used in thromboembolism] Orzechowska–Juzwenko K. **Pol Tyg Lek** 1983 Dec 19–26; 38(51–52):1663–7 **(Pol)**

[Anticoagulant therapy with antivitamins K] Bokarev IN, et al. **Klin Med (Mosk)** 1984 Jan;62(1):18–24 **(Rus)**

BIOSYNTHESIS

Production of menaquinones by intestinal anaerobes. Ramotar K, et al. **J Infect Dis** 1984 Aug;150(2):213–8

BLOOD

Low circulating vitamin K levels and fractured femur [letter] Mitchell JR. **Lancet** 1984 Sep 1;2(8401):516

[Inclan's tumoral calcinosis or Teutschlaender's lipocalcinogranulomatosis: possible pathogenic role of vitamin K] Laroche L, et al. **Ann Dermatol Venereol** 1983; 110(9):729–30 **(Fre)**

METABOLISM

Metabolism of vitamin K and vitamin K 2,3–epoxide via interaction with a common disulfide. Lee JJ, et al. **Biochemistry** 1984 May 8;23(10):2246–52

Relationship of dithiothreitol–dependent microsomal vitamin K quinone and vitamin K epoxide reductases inhibition of epoxide reduction by vitamin K quinone. Preusch PC, et al. **Biochim Biophys Acta** 1984 Mar 22;798(1):141–3

Low–potential cytochrome b as an essential electron–transport component of menaquinone reduction by formate in Vibrio succinogenes. Unden G, et al. **Biochim Biophys Acta** 1983 Nov 30;725(2):325–31

Effect of coumadin–induced coagulopoietin plasma on vitamin K–dependent carboxylation of liver microsomes. Karpatkin S, et al. **Br J Haematol** 1983 Dec;55(4):673–82

Effects on fracture healing of an antagonist of the vitamin K cycle. Dodds RA, et al. **Calcif Tissue Int** 1984 Mar; 36(2):233–8

Vitamin K–dependent proteins and anticonvulsant medication. Keith DA, et al. **Clin Pharmacol Ther** 1983 Oct;34(4):529–32

Vitamin K–dependent proteins [editorial] Friedman PA. **N Engl J Med** 1984 May 31;310(22):1458–60

Megavitamin E supplementation and vitamin K–dependent carboxylation. **Nutr Rev** 1983 Sep;41(9):268–70 (19 ref.)

There is no correlation between vitamin K dependent coagulant content and clinical effectiveness of activated and standard factor IX complex concentrates. Aronson DL. **Prog Clin Biol Res** 1984;150:243–50

[The role of vitamin K in the metabolism of connective tissue biopolymers (review)] Sharaev PN. **Vopr Med Khim** 1984 Jan–Feb;30(1):13–7 (49 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A sensitive, continuous spectrophotometric method for assaying alpha–glycerophosphate dehydrogenase: activation by menadione. Garrib A, et al. **Anal Biochem** 1984 Jun;139(2):319–21

Nature of products formed in the vitamin K–dependent carboxylation of synthetic peptides. Decottignies–Le Maréchal P, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):836–40

Evidence for the vitamin K–dependent gamma–carboxylation of the first glutamic acid residue in peptide substrates containing a diglutamyl sequence. Burgess AI, et al. **Biochem J** 1983 Oct 1;215(1):75–81

Inactivation of microsomal NADPH–cytochrome c reductase by sulfhydryl–reactive derivatives of menadione. Talcott RE, et al. **Biochem Pharmacol** 1984 Aug 15; 33(16):2663–8

Potentiation of oxygen toxicity by menadione in Saccharomyces cerevisiae. Chaput M, et al. **Biochimie** 1983 Aug–Sep;65(8–9):501–12

Enteral feeds may antagonise warfarin. Watson AJ, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):557

Beta–hydroxyaspartic acid in vitamin K–dependent plasma proteins from scorbutic and warfarin–treated guinea pigs. Stenflo J, et al. **FEBS Lett** 1984 Mar 26;168(2):287–92

Beta–hydroxyaspartic acid in vitamin K–dependent proteins. Fernlund P, et al. **J Biol Chem** 1983 Oct 25; 258(20):12509–12

Differences in the reaction sequences associated with drug–induced oxidation of hemoglobins E, S, A, and F. Macdonald VW, et al. **J Lab Clin Med** 1983 Nov; 102(5):762–72

Detection and measurement of drug–induced oxygen radical formation. Smith MT, et al. **Methods Enzymol** 1984; 105:505–10

The vitamin K–dependent carboxylation reaction. Vermeer C. **Mol Cell Biochem** 1984;61(1):17–35 (87 ref.)

Ferriprotoporphyrin IX: a mediator of the antimalarial action of oxidants and 4–aminoquinoline drugs. Fitch CD, et al. **Prog Clin Biol Res** 1984;155:119–30

PHYSIOLOGY

The function and metabolism of vitamin K. Olson RE. **Annu Rev Nutr** 1984;4:281–337 (289 ref.)

Physiological and pharmacological effects of vitamin K. Hanck A, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983; 24:155–70

Vitamin K dependent carboxylation: synthesis and biological properties of tetrazolyl analogues of pentapeptidic substrates. Dubois J, et al. **J Med Chem** 1984 Sep; 27(9):1230–3

A plasma factor enhances activity of vitamin K–dependent coagulation proteins. Owens MR, et al. **Thromb Haemost** 1983 Oct 31;50(3):749–52

The effect of intravenous vitamin E and menadiol sodium diphosphate on vitamin K dependent clotting factors. Helson L. **Thromb Res** 1984 Jul 1;35(1):11–8

[Clinical studies on the deficiency of vitamin K–dependent coagulation factors in adult patients] Niiya K, et al. **Rinsho Ketsueki** 1984 Jan;25(1):37–44 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Therapy of nausea and vomiting of pregnancy [letter] Wright JV. **Am J Obstet Gynecol** 1984 May 1;149(1):107

Coagulopathy associated with broad spectrum antibiotic therapy. Lee AW, et al. **J Ky Med Assoc** 1984 Mar; 82(3):125–6

31P NMR study of improvement in oxidative phosphorylation by vitamins K3 and C in a patient with a defect in electron transport at complex III in skeletal muscle. Eleff S, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3529–33

[The newborn infant and vitamin K] Künzer W, et al. **Dtsch Med Wochenschr** 1983 Oct 28;108(43):1623–4 **(Ger)**

[Effect of vitamin K2 syrup in neonatal hypoprothrombinemia] Suzuki S, et al. **Monatsschr Kinderheilkd** 1984 May;132(5):290–2 (Eng. Abstr.) **(Ger)**

[Examination of the real effectiveness of vitamin K prophylaxis in newborn infants] Fabris C, et al. **Minerva Pediatr** 1984 Mar 31;36(6):299–306 (Eng. Abstr.) **(Ita)**

TOXICITY

Induction of DNA damage by menadione (2–methyl–1,4–naphthoquinone) in primary cultures of rat hepatocytes. Morrison H, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1763–9

VITAMIN K 1 see **PHYTONADIONE**

VITAMIN K DEFICIENCY

CHEMICALLY INDUCED

[A new cause of acute avitaminosis K: lamoxactam (letter)] Brivet F, et al. **Gastroenterol Clin Biol** 1983 Nov; 7(11):937–8 **(Fre)**

[Antibiotics and vitamin K deficiency] Inamatsu T, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar;20(2):133–7 **(Jpn)**

COMPLICATIONS

Vitamin K–dependent coagulation factors in gram–negative septicemia. Corrigan JJ Jr. **Am J Dis Child** 1984 Mar; 138(3):240–2

Vitamin K deficiency in newborns: a case report in alpha–1–antitrypsin deficiency and a review of factors predisposing to hemorrhage. Payne NR, et al. **Pediatrics** 1984 May;73(5):712–6

Bleeding in cystic fibrosis? [letter] Rosenstein BJ. **Pediatrics** 1984 Jun;73(6):877–8

[Vitamin K deficiency hemorrhages in 4 exclusively breast–fed infants 4 to 6 weeks of age] Sutor AH, et al. **Dtsch Med Wochenschr** 1983 Oct 28;108(43):1635–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Late manifestation of vitamin K deficiency in breast fed infants] von Kries R, et al. **Monatsschr Kinderheilkd** 1984 May;132(5):293–5 (Eng. Abstr.) **(Ger)**

[Vitamin K in the aged, with special reference to the clinical significance of the urinary gamma–carboxy glutamic acid content as a new indicator for the vitamin K status] Shiraki M, et al. **Nippon Ronen Igakkai Zasshi** 1983 Mar; 20(2):128–32 **(Jpn)**

ETIOLOGY

[Clinical studies on the deficiency of vitamin K–dependent coagulation factors in adult patients] Niiya K, et al. **Rinsho Ketsueki** 1984 Jan;25(1):37–44 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nature of products formed in the vitamin K–dependent carboxylation of synthetic peptides. Decottignies–Le Maréchal P, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):836–40

OCCURRENCE

Vitamin K deficiency in infancy in Japan [letter] Nagao T, et al. **Pediatrics** 1984 Aug;74(2):315–6

VITAMIN M see **FOLIC ACID**

VITAMIN P COMPLEX see **BIOFLAVONOIDS**

VITAMIN PP see **NICOTINAMIDE**

VITAMIN U see under **VITAMINS**

VITAMINS

Symposium on evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States. American Society for Clinical Nutrition, Washington D.C., May 8, 1982. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):977–1086

Summary and concluding statement: evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States. Rivlin RS. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1083–6

Evidence relating selected vitamins and minerals to health and disease in the elderly population in the United States: introduction. Young EA. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):979–85 (129 ref.)

Vitamin and iron intake in patients with Crohn's disease. Hodges P, et al. **J Am Diet Assoc** 1984 Jan;84(1):52–8

The ratsbane and the vitamin. Jukes TH. **J Appl Biochem** 1983 Dec;5(6):369–70

Stability of folic acid in 25% dextrose, 3.5% amino acids, and multivitamin solution. Louie N, et al. **JPEN** 1984 Jul–Aug;8(4):421–6

Bran or bacon breakfast? [letter] Dearlove DP. **Med J Aust** 1984 Jul 21;141(2):136

Muramyl peptides: immunomodulators, sleep factors, and vitamins. Adam A, et al. **Med Res Rev** 1984 Apr–Jun; 4(2):111–52 (271 ref.)

[Alopecia and vitamins (editorial)] Gilhar A, et al. **Harefuah** 1983 Feb 1;104(3):110–1 **(Heb)**

ADMINISTRATION & DOSAGE

Determination of RDA levels [letter] Briggs B. **Am Fam Physician** 1984 Jan;29(1):30, 32

Relation of riboflavin nutriture in healthy elderly to intake of calcium and vitamin supplements: evidence against riboflavin supplementation. Alexander M, et al. **Am J Clin Nutr** 1984 Apr;39(4):540–6

Can vitamins prevent neural tube defects? Elwood JM. **Can Med Assoc J** 1983 Nov 15;129(10):1088–92 (39 ref.)

Vitamins, diet, and the athlete. Grandjean AC. **Clin Sports Med** 1983 Mar;2(1):105–14

Implications of vitamin use. **FDA Drug Bull** 1983 Nov; 13(3):27–8

Historical aspects of minerals and vitamins in parenteral nutrition. Shils ME. **Fed Proc** 1984 Apr;43(5):1412–6

The intake of vitamins and minerals by the elderly at home. Elsborg L, et al. **Int J Vitam Nutr Res** 1983;53(3):321–9

Effect of a nutritional supplement, optivite, on symptoms of premenstrual tension. Goei GS, et al. **J Reprod Med** 1983 Aug;28(8):527–31

Multivitamins and prevention of neural tube defects: a need

for detailed counselling [letter] Blank CE, et al. **Lancet** 1984 Feb 4;1(8371):291

The effect of intravenous disodium ethylenediaminetetraacetic acid (EDTA) plus supportive multivitamin/trace mineral supplementation upon fasting serum calcium. McDonagh EW, et al. **Med Hypotheses** 1983 Aug;11(4):431–8

Vitamin and mineral supplementation in Down's syndrome. Bennett FC, et al. **Pediatrics** 1983 Nov;72(5):707–13

[Caloric value of food and coverage of the recommended nutritional intake of vitamins in the adult human. Principle foods containing vitamins] Mareschi JP, et al. **Ann Nutr Metab** 1984;28(1):11–23 (Eng. Abstr.) **(Fre)**

[Hypovitaminosis and hypervitaminosis in children] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1983 Oct–Dec;32(4):289–320 (Eng. Abstr.) **(Rum)**

[Vitamins and periodic fasting as possible factors in the experimental prolongation of life] Konoplia EF, et al. **Fiziol Zh** 1984 Jan–Feb;30(1):16–24 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the treatment of iron deficiency anemias] Mandel'baum AIa, et al. **Klin Med (Mosk)** 1983 Nov;61(11):121–6 (Eng. Abstr.) **(Rus)**

[B-lymphocytes and the level of circulating immune complexes in pulmonary tuberculosis patients treated with chemotherapy and vitamins] Volosevich GV. **Probl Tuberk** 1983 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**

[Iron, copper and manganese metabolism in young sportsmen on diets supplemented with vitamins and microelements] Nasolodin VV, et al. **Vopr Pitan** 1983 Sep–Oct;(5):16–21 (Eng. Abstr.) **(Rus)**

[Food program of the USSR and vitamin fortification of food products] Spirichev VB. **Vopr Pitan** 1984 Jan–Feb;(1):3–7 **(Rus)**

[Antiepileptic effects of synthetic pharmacologic agents and vitamin preparations used in combination] Shandra AA, et al. **Zh Nevropatol Psikhiatr** 1984;84(6):899–903 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Vitamin supplements: how much is too much? Harbour J. **Dimens Health Serv** 1984 Jun;61(6):30

Unusual limb-reduction defect in infant born to mother taking periconceptional multivitamin supplement [letter] David TJ. **Lancet** 1984 Mar 3;1(8375):507–8

Nutrient supplementation in Australia. Wahlqvist ML. **Med J Aust** 1984 May 12;140(10):573–4

On the toxicity of water-soluble vitamins [letter] **Nutr Rev** 1984 Jul;42(7):265–7

ANALYSIS

The effect of freezing and canning on the vitamin content of green peas. Nair BM. **Food Nutr (Roma)** 1983;9(1):41–4

Microbiological method of vitamin assay. Steele da Cruz F. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:173–6

Mineral and vitamin content of goat's milk. Sawaya WN, et al. **J Am Diet Assoc** 1984 Apr;84(4):433–5

Determination of calcium pantothenate in multivitamin preparations by high-performance liquid chromatography. Jonvel P, et al. **J Chromatogr** 1983 Dec 23;281:371–6

Vitamin content of some normal human brain segments. Baker H, et al. **J Neurosci Res** 1984;11(4):419–35

High-performance liquid chromatographic determination of vitamin D in foods, feeds and pharmaceuticals by successive use of reversed-phase and straight-phase columns. Takeuchi A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Feb;30(1):11–25

Stability of vitamin and mineral concentrations of a low-birth-weight infant formula during continuous enteral feeding. Antonson DL, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):617–21

Lipids in human milk: a review. 2: Composition and fat-soluble vitamins. Lammi-Keefe CJ, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):172–98 (144 ref.)

Determination of pantothenic acid in multivitamin pharmaceutical preparations by reverse-phase high-performance liquid chromatography. Hudson TJ, et al. **J Pharm Sci** 1984 Jan;73(1):113–5

The effect of age of breeder hen on the levels of vitamins and minerals in turkey eggs. Robel EJ. **Poult Sci** 1983 Sep; 62(9):1751–6

[Stinging nettle in medicine and nutrition] Lutomski J, et al. **Pharm Unserer Zeit** 1983 Nov;12(6):181–6 **(Ger)**

[Simultaneous HPLC determination of thiamine, riboflavin, pyridoxine, cyanocobalamin, nicotinamide and calcium folinate in multivitamin preparations] Cannella T, et al. **Boll Chim Farm** 1983 Apr;122(4):205–8 (Eng. Abstr.) **(Ita)**

BLOOD

Water soluble vitamins in granulocytes, erythrocytes, and plasma obtained from chronic hemodialysis patients. DeBari VA, et al. **Am J Clin Nutr** 1984 Mar;39(3):410–5

Vitamins, lipids and lipoproteins in a healthy elderly population. Hooper PL, et al. **Int J Vitam Nutr Res** 1983; 53(4):412–9

A vitamin profile of alcoholism. Baker H. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:179–84

Giardia lamblia as a cause of malabsorption and hypovitaminosis 'A' in children. Mandour AM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):203–6

[Vitamins and continuous ambulatory peritoneal dialysis (CAPD)] Mydlík M, et al. **Cas Lek Cesk** 1983 Aug 26; 122(34):1046–9 (Eng. Abstr.) **(Slo)**

METABOLISM

Nutritional aspects of Down's syndrome with special reference to the nervous system. Sylvester PE. **Br J Psychiatry** 1984 Aug;145:115–20

Transport and metabolism of water-soluble vitamins in intestine and kidney. Rose RC, et al. **Fed Proc** 1984 Jun; 43(9):2423–9

Deoxynucleoside and vitamin transport into the central nervous system. Spector R, et al. **Fed Proc** 1984 Feb; 43(2):196–200

Interrelationship between vitamins and minerals. Hanck A. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:211–24

Absorption of fat-soluble vitamins. Weber F. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;25:55–65 (29 ref.)

Mineral and vitamin nutrition of swine. Miller ER, et al. **J Anim Sci** 1983 Jul;57 Suppl 2:315–29 (179 ref.)

Food, formula and drug effects on the disposition of nutrients. Roe DA. **World Rev Nutr Diet** 1984;43:80–94 (37 ref.)

[Vitamins and the aged] Orimo H. **Nippon Rinsho** 1983 Oct; 41(10):2325–32 **(Jpn)**

[Metabolism of various vitamins in the bodies of rats with experimental anthracosis against a background of qualitatively dietary fats] Pichkhadze GM, et al. **Gig Sanit** 1984 Apr;(4):83–5 **(Rus)**

[Vitamin status of diamond cutters] Bogdanov NG, et al. **Vopr Pitan** 1984 Mar–Apr;(2):28–31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effects of a commercial dietary supplement on human performance. Barnett DW, et al. **Am J Clin Nutr** 1984 Sep; 40(3):586–90

Effect of vitamins other than vitamin C on viruses: virus-inactivating activity of vitamin K5. Murata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):721–4

Nutritional requirements of Schistosoma japonicum eggs. Kawanaka M, et al. **J Parasitol** 1983 Oct;69(5):857–61

Reduction with vitamin A and beta-carotene administration of proportion of micronucleated buccal mucosal cells in Asian betal nut and tobacco chewers. Stich HF, et al. **Lancet** 1984 Jun 2;1(8388):1204–6

Effects of a single oral dose of a commercial selenium cobalt and vitamin preparation on ewe fertility. Vipond JE. **Vet Rec** 1984 May 26;114(21):519–21

[Effect of vitamins on the growth of Mycobacterium lepraemurium in cell-free liquid medium] Nakamura M. **Nippon Rai Gakkai Zasshi** 1982 Oct–Dec;51(4):173–8 (Eng. Abstr.) **(Jpn)**

[Vitamins in the process of adaptation to high altitude] Belakovskiĭ MS, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):4–9 (44 ref.) (Eng. Abstr.) **(Rus)**

[Drugs relieving the manifestations of premature aging] Zapadniuk VI. **Vestn Akad Med Nauk SSSR** 1984;(3):65–70 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vitamin nutriture in the elderly. Brubacher GB, et al. **Bibl Nutr Dieta** 1983;(33):142–51 (24 ref.)

[Vitamins in neoplasms] Robak T. **Postepy Hig Med Dosw** 1982 Jul–Aug;36(4):201–29 (181 ref.) (Eng. Abstr.) **(Pol)**

POISONING

Toxic effects of vitamin overdosage. **Med Lett Drugs Ther** 1984 Aug 3;26(667):73–4

STANDARDS

[Galenic preparations containing vitamins (observations on the effectiveness of the 16 July 1951 decree of the Commission of Hygiene and Public Health] Cini M. **Boll Chim Farm** 1984 Feb;123(2):69–73 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Oesophagogastric ulcer in swine and vitamin U. II. Nature of vitamin U. Hegedüs M, et al. **Acta Vet Hung** 1983; 31(4):155–63

Vitamin/mineral supplements and intelligence of institutionalized mentally retarded adults. Ellis NR, et al. **Am J Ment Defic** 1983 Sep;88(2):211–4

Vitamin-mineral supplement fails to improve IQ of mentally retarded young adults. Ellman G, et al. **Am J Ment Defic** 1984 May;88(6):688–91

Effects of nutritional supplementation on IQ and certain other variables associated with Down syndrome. Weathers C. **Am J Ment Defic** 1983 Sep;88(2):214–7

Neural-tube defects and vitamins: the need for a randomized clinical trial. Wald NJ, et al. **Br J Obstet Gynaecol** 1984 Jun;91(6):516–23

Can vitamins prevent neural tube defects? [correction] [letter] **Can Med Assoc J** 1984 May 1;130(9):1116

Can vitamins prevent neural tube defects? [letter] Smithells RW. **Can Med Assoc J** 1984 Aug 15;131(4):273–4, 276

Rational use of vitamins. **Drug Ther Bull** 1984 May 4; 22(9):33–6

Vitamin therapy in the absence of obvious deficiency. What is the evidence? Ovesen L. **Drugs** 1984 Feb;27(2):148–70 (229 ref.)

Do vitamins prevent neural tube defects (and can we find out ethically)? Lipsett MB, et al. **Hastings Cent Rep** 1983 Aug;13(4):5–8

Vitamins in medicine. Recent therapeutic aspects. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:1–294

Vitamins in parenteral nutrition. Carrazza R. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:247–53

Prophylactic and therapeutic significance of vitamins. Hanck A. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:235–45

Round table discussion. Vitamin therapy: why, when and how? Hanck AB, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:277–90

Liposoluble vitamins in pediatrics. Viegas D, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:147–54

Use of vitamin supplements for burned patients: a national survey. King N, et al. **J Am Diet Assoc** 1984 Aug; 84(8):923–5

The effect of vitamin, mineral, and nutritional supplement in the aged. Kittrell JB. **J Arkansas Med Soc** 1984 Jun; 81(1):73–4

Inborn errors of metabolism. Vitamin-responsive genetic disease. Mudd SH. **J Clin Pathol [Suppl] (R Coll Pathol)** 1974;(8):38–47

Vitamin/mineral supplementation for Down syndrome [letter] **Lancet** 1983 Nov 26;2(8361):1255

Trial to prevent first occurrence of neural tube defects by periconceptional multivitamin supplementation [letter] Czeizel A, et al. **Lancet** 1984 Jul 7;2(8393):40

Vitamins and neural tube defects [letter] Oakley GP Jr, et al. **Lancet** 1983 Oct 1;2(8353):798–9

Neural tube defects: British vitamin trial starts slowly [news] Abel J. **Nature** 1984 Jun 21–27;309(5970):661

A trial of ascorbic acid and of multivitamin supplementation on the oral health of West African children. Prentice AM, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):792–5

[Clinical experiences with an amino acid preparation in children with phenylketonuria] Link RM, et al. **Rev Med Liege** 1984 May 15;39(10):422–8 **(Fre)**

[Reduced frequency of gestoses in beta-mimetic treated risk pregnancies with added magnesium therapy] Conradt A, et al. **Geburtshilfe Fraunheilkd** 1984 Feb;44(2):118–23 (Eng. Abstr.) **(Ger)**

[Neurasthenia-like syndrome: a modern therapeutic approach with a combined vitamin-mineral preparation] Caragliano A, et al. **Clin Ter** 1984 Feb 15;108(3):209–13 (Eng. Abstr.) **(Ita)**

[Vitamin pharmacotherapy: between the necessary and dangerous] Mungiu OC. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):653–6 **(Rum)**

[Effect of vitamin preparations on epileptic activity] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1984 Aug; 97(8):150–3 (Eng. Abstr.) **(Rus)**

[Study of the preventive action of a vitamin C, B1, B2, P and PP complex in chronic exposure to phenol] Skvortsova RI, et al. **Gig Tr Prof Zabol** 1984 Feb;(2):34–7 (Eng. Abstr.) **(Rus)**

[Use of gelvisol in the preparation of patients with toxic goiter for surgery] Zarivchatskiĭ MF. **Vestn Khir** 1983 Dec; 131(12):12–4 (Eng. Abstr.) **(Rus)**

VITELLINE DUCT

Calcific enterolith in a vitello-intestinal duct. Harvey CF, et al. **Br J Surg** 1984 Apr;71(4):316

Double prolapse of small bowel through patent vitello-intestinal duct. Narasimharao KL, et al. **Indian J Med Sci** 1983 Jul;37(7):120–1

Omphalocele with patent omphalomesenteric duct and ileal prolapse. Rohatgi M, et al. **Indian J Pediatr** 1984 Jan–Feb; 51(408):119–23

PATHOLOGY

[Pathology of involution of the vitelline duct] Zhirnyĭ SI, et al. **Vestn Khir** 1983 Dec;131(12):56–7 **(Rus)**

PHYSIOLOGY

Egg shell formation by vitelline globules or by uterus. An introspection. Bhatnagar AK, et al. **Acta Morphol Neerl Scand** 1984 Mar;22(1):75–83

VITELLINE MEMBRANE

ANALYSIS

Proteins of the sea urchin egg vitelline layer. Niman HL, et al. **Dev Biol** 1984 Apr;102(2):390–401

Endogenous lectins of the developing chick embryo. Rutherford NG, et al. **Prog Clin Biol Res** 1984;151:129–46

BLOOD SUPPLY

Abnormal persistence of the right vitelline vein. Miyoshi S, et al. **J Pediatr Surg** 1984 Apr;19(2):204–5

CYTOLOGY

Identification and cytogenetic localization of vitelline membrane messenger RNAs in Drosophila. Fargnoli J, et al. **Dev Biol** 1984 Sep;105(1):41–7

IMMUNOLOGY

Monoclonal antibodies to the sea urchin egg vitelline layer inhibit fertilization by blocking sperm adhesion. Gache C, et al. **Exp Cell Res** 1983 Aug;147(1):75–84

METABOLISM

Autoradiographic demonstration of the penetration of albumen-derived material through the vitelline membrane into the egg yolk, exterior to the avian blastoderm. Callebaut M. **Poult Sci** 1983 Aug;62(8):1657–9

PHYSIOLOGY

Isolation of two Drosophila melanogaster genes abundantly expressed in the ovary during vitelline membrane synthesis. Higgins MJ, et al. **Dev Biol** 1984 Sep;105(1):155–65

Studies on the differentiation of egg envelopes. I. The starfish, Astropecten aurantiacus. Santella L, et al. **Dev Biol** 1983 Oct;99(2):473–81

Successful fertilization in vitro of fresh intact oocytes by perivitelline (acrosome-reacted) spermatozoa of the rabbit. Kuzan FB, et al. **Fertil Steril** 1984 May;41(5):766–70

VITELLOGENESIS

Changes in ecdysteroid and juvenile hormone titers correlated to the initiation of vitellogenesis in two Aedes species (Diptera, Culicidae). Guilvard E, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):218–23

Ultrahistology of oogenesis and vitellogenesis in the spider mite Tetranychus urticae. Mothes-Wagner U, et al. **Tissue Cell** 1984;16(2):179–94

[Electrophysiological study of frog eggs at different stages of development. II) Outward rectification in oocytes at the final stage of vitellogenesis] Taglietti V, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):949–54 (Eng. Abstr.) (Ita)

[Electrophysiological study of frog eggs at different stages of development. I) Membrane potential and I/V relationship in the oocyte at the final stage of vitellogenesis] Taglietti V, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30; 59(7):942–8 (Eng. Abstr.) (Ita)

[Electrophysiological study of frog eggs at different stages of development. III) Ionic currents activated by intense hyperpolarization and depolarization of the oocyte at the final stage of vitellogenesis] Taglietti V, et al. **Boll Soc Ital Biol Sper** 1983 Jul 30;59(7):955–61 (Eng. Abstr.) (Ita)

DRUG EFFECTS

The effect of sublethal cyanide on vitellogenic parameters in rainbow trout Salmo gairdneri. Da Costa H, et al. **Arch Environ Contam Toxicol** 1984 Jan;13(1):101–4

The effects of estrogen on skeletal calcium metabolism and on plasma parameters of vitellogenesis in the male, three-toed box turtle (Terrapene carolina triunguis). Magliola L. **Gen Comp Endocrinol** 1984 Apr;54(1):162–70

VITELLOGENIN see under **LIPOPROTEINS**

VITILIGO

[Vitiligo] Lassus A. **Nord Med** 1983;98(10):236–7, 45 (Eng. Abstr.) (Nor)

CHEMICALLY INDUCED

Raccoon-like periorbital leukoderma from contact with swim goggles. Goette DK. **Contact Dermatitis** 1984 Mar; 10(3):129–31

Oral PABA and vitiligo [letter] Hughes CG. **J Am Acad Dermatol** 1983 Nov;9(5):770

COMPLICATIONS

Vitiligo and acromegaly. Ryan EF Jr, et al. **Arch Dermatol** 1984 May;120(5):676–7

Phototoxicity from furocoumarins (psoralens) of Heracleum laciniatum in a patient with vitiligo. Action spectrum studies on bergapten, pimpinellin, angelicin and sphondin. Kavli G, et al. **Contact Dermatitis** 1983 Sep;9(5):364–6

Discoid lupus erythematosus in a patient with vitiligo and autoimmune thyroiditis. Callen JP. **Int J Dermatol** 1984 Apr;23(3):203–4

Malignant melanoma and vitiligo-like leukoderma: an electron microscopic study. Koh HK, et al. **J Am Acad Dermatol** 1983 Nov;9(5):696–708

Vitiligo in patients with metastatic melanoma: a good prognostic sign. Nordlund JJ, et al. **J Am Acad Dermatol** 1983 Nov;9(5):689–96

An unusual form of Sutton's phenomenon. Matsubara M, et al. **J Dermatol (Tokyo)** 1983 Dec;10(6):607–10

[The vitiligo-psoriasis combination. Genetic and immunologic study] Mancuso G, et al. **G Ital Dermatol Venereol** 1983 Nov-Dec;118(6):369–72 (Eng. Abstr.) (Ita)

[Eye manifestations in vitiligo] Peserico A, et al. **G Ital Dermatol Venereol** 1982 Jan-Feb;117(1):7–8 (Eng. Abstr.) (Ita)

[Vitiligo, hyperthyroidism, periodic paralysis and myasthenia gravis. Report of a case] Lamartine de Assis J, et al. **Med Cutan Iber Lat Am** 1983;11(3):195–200 (Eng. Abstr.) (Por)

DIAGNOSIS

Vitiligo in Zimbabwe. Obe WK. **Cent Afr J Med** 1984 Jan; 30(1):259–64

Vitiligo. Sharquie KE. **Clin Exp Dermatol** 1984 Mar; 9(2):117–26 (82 ref.)

Choroidal halo nevus occurring in a patient with vitiligo. Fournier GA, et al. **Surv Ophthalmol** 1984 May-Jun; 28(6):671–2

[Clinical characteristics of vitiligo] Koshevenko IuN. **Vestn Dermatol Venerol** 1984 Mar;(3):60–3 (Eng. Abstr.) (Rus)

DRUG THERAPY

Vitiligo treated with topical clobetasol propionate. Kumari J. **Arch Dermatol** 1984 May;120(5):631–5

Irritancy of anthralin in patients with psoriasis and widespread vitiligo [letter] Roberts DL. **Br J Dermatol** 1984 Feb;110(2):247–8

Should vitiligo be treated? Grimes PE, et al. **Cutis** 1983 Oct; 32(4):343–4, 346 (23 ref.)

How we treat vitiligo. Kenney JA Jr, et al. **Cutis** 1983 Oct; 32(4):347–8

A case of chronic urticaria and vitiligo, associated with thyroiditis, treated with PUVA. Midelfart K, et al. **Dermatologica** 1983;167(1):39–41

[Bowen disease and bowenoid lesion arising on vitiliginous skin during longterm phototherapy] Yagi S, et al. **Nippon Hifuka Gakkai Zasshi** 1983 Jun;93(7):741–5 (Jpn)

ETIOLOGY

Generalized vitiligo after erythroderma. Schwartz RA, et al. **Dermatologica** 1983;167(1):42–6

The occurrence of vitiligo after psoralens and ultraviolet a therapy. Todes-Taylor N, et al. **J Am Acad Dermatol** 1983 Oct;9(4):526–32

[Malignant melanoma with secondary vitiligo] Agdal N, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3659–60 (Eng. Abstr.) (Dan)

FAMILIAL & GENETIC

A family study of vitiligo patterns. Goudie BM, et al. **Scott Med J** 1983 Oct;28(4):338–42

IMMUNOLOGY

Diminished contact sensitivity response in vitiliginous skin. Uehara M, et al. **Arch Dermatol** 1984 Feb;120(2):195–8

Immunopathology of vitiligo vulgaris, Sutton's leukoderma and melanoma-associated vitiligo in relation to steroid effects. I. Circulating antibodies for cultured melanoma cells. Takei M, et al. **J Cutan Pathol** 1984 Apr;11(2):107–13

Immunopathology of vitiligo vulgaris, Sutton's leukoderma and melanoma-associated vitiligo in relation to steroid effects. II. The IgG and C3 deposits in the skin. Uda H, et al. **J Cutan Pathol** 1984 Apr;11(2):114–24

Detection of antibodies to melanocytes in vitiligo by specific immunoprecipitation. Naughton GK, et al. **J Invest Dermatol** 1983 Dec;81(6):540–2

Antibodies to melanocytes in vitiligo [letter] Betterle C, et al. **Lancet** 1984 Jan 21;1(8369):159

[Antimelanin antibodies in vitiligo] Vignale RA, et al. **Med Cutan Iber Lat Am** 1983;11(4):271–6 (Eng. Abstr.) (Spa)

PATHOLOGY

Palmar patterns in vitiligo. Singh PK, et al. **Indian J Dermatol** 1983 Jul;28(3):91–6

Histopathology of vitiliginous skin. Gokhale BB, et al. **Int J Dermatol** 1983 Oct;22(8):477–80

Sequential production of Birbeck granules through adsorptive pinocytosis. Ishii M, et al. **J Invest Dermatol** 1984 Jan;82(1):28–9

Skin maps in vitiligo. Goudie BM, et al. **Scott Med J** 1983 Oct;28(4):343–6

[Production of Birbeck's granules associated with coated vesicle formation in endocytosis] Ishii M, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):53–6 (Jpn)

SURGERY

Repigmentation of segmental vitiligo by autologous minigrafting. Falabella R. **J Am Acad Dermatol** 1983 Oct; 9(4):514–21

VITRECTOMY

Visual evoked potential as a prognostic factor for vitrectomy in diabetic eyes. Scherfig E, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):778–87

Prognostic parameters in pars plana vitrectomy. Scherfig E, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):788–805

Optical hazards of intraocular lenses during vitreous surgery [letter] de Juan E Jr, et al. **Am J Ophthalmol** 1984 Mar; 97(3):386–7

Results of 110 vitrectomies with a portable vitrectomy system. May DR, et al. **Am J Ophthalmol** 1983 Dec; 96(6):775–82

A prone bed. Miller B, et al. **Am J Ophthalmol** 1984 Jun; 97(6):787–8

Vitrectomy for nondiabetic vitreous hemorrhage. Oyakawa RT, et al. **Am J Ophthalmol** 1983 Oct;96(4):517–25

Management of infectious endophthalmitis by combined vitrectomy and intraocular injection. Chen CJ. **Ann Ophthalmol** 1983 Oct;15(10):968–74, 977–79

Evaluation of vitrectomy in penetrating ocular trauma. A case-control study. de Juan E Jr, et al. **Arch Ophthalmol** 1984 Aug;102(8):1160–3

Vitrectomy and Whipple's disease. Durant WJ, et al. **Arch Ophthalmol** 1984 Jun;102(6):848–51

Bacterial endophthalmitis after closed vitrectomy. Ho PC, et al. **Arch Ophthalmol** 1984 Feb;102(2):207–10

Experimental model of proliferative vitreoretinopathy (PVR) in the vitrectomised eye: effect of silicone oil. Lean JS, et al. **Br J Ophthalmol** 1984 May;68(5):332–5

Vitrectomy and fluid/silicone-oil exchange for giant retinal tears: results at six months. Leaver PK, et al. **Br J Ophthalmol** 1984 Jun;68(6):432–8

Endophthalmitis and pars plana vitrectomy. Majerovics A, et al. **Can J Ophthalmol** 1984 Feb;19(1):25–8

The lens capsule and rubeosis iridis: an angiographic study. Moffat K, et al. **Can J Ophthalmol** 1984 Apr;19(3):130–3

Vitrectomy in two cases of bilateral Terson syndrome. van Rens GH, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):155–9

Visual evoked potentials (flash) in diabetics prior to vitrectomy. Tinning S, et al. **Fortschr Ophthalmol** 1983; 80(6):485–7

Trabeculectomy combined with pars plana vitrectomy in aphakic glaucoma (a comparative study). Billore OP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):642–4

Closed vitrectomy in vitreous haemorrhage-Eales' disease. Shroff AP, et al. **Indian J Ophthalmol** 1983 Sep;31(5):550–1

Pars plana vitrectomy in aphakic retinal detachments. Verbraeken H, et al. **Int Ophthalmol** 1984 Jan;7(1):21–3

Periodic alternating nystagmus clearing after vitrectomy. Cross SA, et al. **J Clin Neuro Ophthalmol** 1982 Mar; 2(1):5–11

In vitro incubation of lenses: a model for investigations on lens transparency by varying the perfusion rate, osmolarity and temperature of the culture medium. Dragomirescu V, et al. **Ophthalmic Res** 1983;15(4):212–5

Toxicity of antineoplastic drugs in vitrectomy infusion fluids. Barrada A, et al. **Ophthalmic Surg** 1983 Oct;14(10):845–7

Vitrectomy in children. Brown GC, et al. **Ophthalmic Surg** 1983 Dec;14(12):1017–20

Vitrectomy for asteroid hyalosis? [letter] Hanscom TA, et al. **Ophthalmic Surg** 1984 Jun;15(6):535

Incarceration of asteroid bodies in sclerotomey wound following pars plana vitrectomy. Riffenburgh RS, et al. **Ophthalmic Surg** 1984 Jan;15(1):31–3

Prevention of lens opacification during diabetic vitrectomy. Haimann MH, et al. **Ophthalmology** 1984 Feb;91(2):116–21

The national, prospective, randomized vitrectomy study for chronic aphakic cystoid macular edema. Progress report and comparison between the control and nonrandomized groups. Fung WE. **Surv Ophthalmol** 1984 May;28 Suppl:569–75

Lensectomy-vitrectomy in chronic uveitis. Smith RE, et al. **Trans Am Ophthalmol Soc** 1983;81:261–75

Retinal membrane in the vitrectomized eye: an animal model. Lean JS, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 2):174–6

[Importance of so-called early vitrectomy in severe diabetic retinopathy] Limon S, et al. **Bull Mem Soc Fr Ophtalmol** 1983;95:365–6 (Fre)

[Resolving effect of vitrectomy in chronic inflammations of the posterior segment] Urrets-Zavalia A. **Bull Mem Soc Fr Ophtalmol** 1983;95:367–71 (Fre)

[Vitrectomy in vascular diseases of the fundus oculi. Apropos of the 34 initial cases in 283 vitrectomies] Picco R, et al. **Bull Soc Ophtalmol Fr** 1983 Aug-Sep;83(8–9):967–9 (Fre)

[Importance of vitrectomy in suppurative endophthalmia following surgery of cataracts] Turut P, et al. **Bull Soc Ophtalmol Fr** 1983 Jun-Jul;83(6–7):809–15 (Eng. Abstr.) (Fre)

[Indications for vitrectomy in the extraction of intraocular foreign bodies] Ounnas N, et al. **J Fr Ophtalmol** 1983; 6(10):815–22 (Eng. Abstr.) (Fre)

[Perforating injuries of the posterior portion of the eye with and without vitrectomy] Riss B, et al. **Fortschr Ophthalmol** 1984;81(2):113–6 (Eng. Abstr.) (Ger)

[Candida albicans endophthalmitis. Results of pars plana vitrectomy without intraocular antimycotic therapy] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1984 Feb;184(2):104–8 (Eng. Abstr.) (Ger)

[Indications and contraindications of vitrectomy and technical methods used after the initial months of clinical experience] Olteanu M, et al. **Rev Chir [Oftalmol]** 1984 Apr-Jun;28(2):113–6 (Eng. Abstr.) (Rum)

[Transvitreal removal of foreign bodies from the posterior pole of the eye using an endophotocoagulator] Bykov VP. **Vestn Oftalmol** 1983 Sep-Oct;(5):52–3 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Unexpected traction retinal detachment: a complication of an animal model of pars plana vitrectomy. van der Zee WA, et al. **Graefes Arch Clin Exp Ophthalmol** 1984; 221(4):182–5

Anterior vitrectomy. Mishra RK. **Indian J Ophthalmol** 1983 May;31(3):288–9

Aphakic cystoid macular edema in children after vitrectomy for anterior segment injuries. Schulman J, et al. **Ophthalmic Surg** 1983 Oct;14(10):848–51

Evaluation for cystoid maculopathy after pars plicata lensectomy–vitrectomy for congenital cataracts. Gilbard SM, et al. **Ophthalmology (Rochester)** 1983 Oct; 90(10):1201–6

[Retinal detachment following extraction of an intraocular foreign body. Effects of vitrectomy] Barthelemy F, et al. **J Fr Ophtalmol** 1983;6(10):823–7 (Eng. Abstr.) **(Fre)**

[Retinal detachment after surgery of the anterior segment using the pars plana approach] Girard P, et al. **J Fr Ophtalmol** 1984;7(2):119–23 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Management of complications after cataract surgery by the pars plana approach. Pedersen OO. **Acta Ophthalmol (Copenh)** 1983 Aug;61(4):567–75

Instrumentation for continuous fluid–air exchange during vitreous surgery [letter] Hueneke RL, et al. **Am J Ophthalmol** 1983 Oct;96(4):547–8

Vitrectomy our experience with VISC–X. Ursekar TN, et al. **Indian J Ophthalmol** 1983 May;31(3):247–8

Penetrating keratoplasty following the use of a temporary keratoprosthesis during pars plana vitrectomy. Groden LR, et al. **Ophthalmic Surg** 1984 Mar;15(3):208–9

The use of an irrigating endo–illuminator for anterior vitrectomy. Oyakawa RT, et al. **Ophthalmic Surg** 1984 May;15(5):400–1

Fundus contact lenses for closed pars plana vitrectomy. Ho PC, et al. **Ophthalmology (Rochester)** 1983 Sep; Suppl:106–14

[Klöti's vitreotomes in anterior segment surgery] Galand A. **Bull Soc Belge Ophtalmol** 1983;204–205:85–9 (Eng. Abstr.) **(Fre)**

[Results of vitrectomy in diabetics using a 2d–generation vitreotome] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1983 May;83(5):673–4, 677–9 (Eng. Abstr.) **(Fre)**

[New instrument for extracapsular cataract extraction] Pintucci F. **J Fr Ophtalmol** 1983;6(6–7):631–3 (Eng. Abstr.) **(Fre)**

[Efficacy of anterior vitrectomy using vitreotomes in surgical prolapse of the vitreous body and anterior vitreofixation] Movshovich AI, et al. **Vestn Oftalmol** 1984 Jul–Aug; (4):35–7 (Eng. Abstr.) **(Rus)**

METHODS

Anterior chamber membranectomy in pseudophakic endophthalmitis [letter] Marcus DF, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):239–40

Pars plana reconstructive surgery in penetrating ocular injury. Chen CJ. **Ann Ophthalmol** 1983 Nov;15(11):1034–6, 1040–2, 1044

Pseudovitreous fluid based on sodium carboxymethylcellulose. Wilhelmus KR, et al. **Ann Ophthalmol** 1984 Apr;16(4):350–2

Management of persistent hyperplastic primary vitreous. Stark WJ, et al. **Aust J Ophthalmol** 1983 Aug;11(3):195–200

Lensectomy and partial anterior vitrectomy in congenital cataract. Verbracken H, et al. **Bull Soc Belge Ophtalmol** 1983;206:41–8

Five years pars plana surgery at the University of Ghent. Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1982; 201:59–64

Preretinal membranectomy in idiopathic preretinal macular fibrosis Mandelcorn MS, et al. **Can J Ophthalmol** 1983 Dec;18(7):321–4

Pars plana vitrectomy in eyes with malignant melanoma. Laqua H, et al. **Graefes Arch Clin Exp Ophthalmol** 1983; 220(6):279–84

Characterization of membranes removed during open–sky vitrectomy. Peczon BD, et al. **Invest Ophthalmol Vis Sci** 1983 Oct;24(10):1382–9

Positioning of the surgeon and assistant for pars plana vitrectomy. Benson WE. **Ophthalmic Surg** 1984 Mar; 15(3):247

Five years pars plana vitrectomy. François J, et al. **Ophthalmologica** 1983;187(3):148–51

Pars plana vitrectomy for complicated retinal detachments. Ratner CM, et al. **Ophthalmology** 1983 Nov;90(11):1323–7

Management of eye disease in the insulin–dependent diabetic patient. Klein R. **Primary Care** 1983 Dec;10(4):677–90

Surgical results of vitrectomy in ocular trauma. Miyake Y, et al. **Retina** 1983 Fall–Winter;3(4):265–8

[Pars plana vitrectomy for vitreous hemorrhage due to retinal periphlebitis] Jiang JK. **Chung Hua Yen Ko Tsa Chih** 1983 Nov;19(6):355–7 **(Chi)**

[Vitrectomy and intraocular silicone. Apropos of 59 cases] Resal R, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep; 83(8–9):911–5 **(Fre)**

[Treatment of retinal detachment by vitrectomy and injection of silicone oil. Long–term results and complications in 105 cases] Roussat B, et al. **J Fr Ophtalmol** 1984;7(1):11–8 (Eng. Abstr.) **(Fre)**

[Vitrectomy in inflammatory diseases of the posterior segment of the eye] Binder S, et al. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):86–9 (Eng. Abstr.) **(Ger)**

[Vitrectomy. Indications, technic, results] Klöti R. **Ther Umsch** 1984 Apr;41(4):271–7 (Eng. Abstr.) **(Ger)**

[Effect of enzymatic vitreolysis on the absorption of experimental vitreous hemorrhage. Preliminary report] Zagórski Z. **Klin Oczna** 1983 May;85(5):197–9 (Eng. Abstr.) **(Pol)**

[Closed vitrectomy in the treatment of patients with hemophthalmia] Eroshevskiĭ TI, et al. **Vestn Oftalmol** 1984 May–Jun;(3):28–30 (Eng. Abstr.) **(Rus)**

VITREOUS BODY

Perfluoropropane gas in the management of proliferative vitreoretinopathy. Chang S, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):180–8

Spontaneous reattachment of the retina despite proliferative vitreoretinopathy. de Juan E Jr, et al. **Am J Ophthalmol** 1984 Apr;97(4):428–33

Vitreous hemorrhage nontoxic to retina as a stimulator of glial and fibrous proliferation. Ehrenberg M, et al. **Am J Ophthalmol** 1984 May;97(5):611–26

Complications of acute symptomatic posterior vitreous detachment. Novak MA, et al. **Am J Ophthalmol** 1984 Mar; 97(3):308–14

Vitrectomy for nondiabetic vitreous hemorrhage. Oyakawa RT, et al. **Am J Ophthalmol** 1983 Oct;96(4):517–25

Vitreous changes after neodymium–YAG laser irradiation of the posterior lens capsule or mid–vitreous [letter] Steinert RF, et al. **Am J Ophthalmol** 1984 Sep 15; 98(3):381–3

Ultrasonographic mapping of vitreoretinal abnormalities. Zakov ZN, et al. **Am J Ophthalmol** 1983 Nov;96(5):622–31

Tractional detachment of the macula following branch retinal vein occlusion. Murakami K, et al. **Ann Ophthalmol** 1983 Aug;15(8):760–5

Improved visualization through cataracts using intravitreal illumination. Saragas S, et al. **Ann Ophthalmol** 1984 Apr; 16(4):311–3

Autosomal dominant exudative vitreoretinopathy. Feldman EL, et al. **Arch Ophthalmol** 1983 Oct;101(10):1532–5

Autosomal dominant peripheral preretinal deposits. Gomolin JE, et al. **Arch Ophthalmol** 1984 Jan;102(1):74–6

Immersion A– and B–scan ultrasonography. Its use in preoperative evaluation of diabetic vitreous hemorrhage. Jalkh AE, et al. **Arch Ophthalmol** 1984 May;102(5):686–90

Prophylactic laser photocoagulation in hereditary snowflake vitreoretinal degeneration. A family report. Pollack A, et al. **Arch Ophthalmol** 1983 Oct;101(10):1536–9

Intravitreal ceftriaxone in a rabbit model. Dose– and time–dependent toxic effects and pharmacokinetic analysis. Shockley RK, et al. **Arch Ophthalmol** 1984 Aug; 102(8):1236–8

Effect of vitreous detachment on vitreous fluorophotometry. Yoshida A, et al. **Arch Ophthalmol** 1984 Jun;102(6):857–60

Vitreous fluorophotometry for clinical research. II. Method of data acquisition and processing. Zeimer RC, et al. **Arch Ophthalmol** 1983 Nov;101(11):1757–61

Vitreous fluorophotometry for clinical research. I. Description and evaluation of a new fluorophotometer. Zeimer RC, et al. **Arch Ophthalmol** 1983 Nov; 101(11):1753–6

Familial exudative vitreoretinopathy associated with familial thrombocytopathy. Chaudhuri PR, et al. **Br J Ophthalmol** 1983 Nov;67(11):755–8

Two cases of dominant exudative vitreoretinopathy. Van Herck M, et al. **Bull Soc Belge Ophtalmol** 1982;203:93–7

X–irradiation in the prevention of experimental post–traumatic vitreous proliferation. Belkin M, et al. **Curr Eye Res** 1982–83;2(11):753–6

Ocular fluorophotometric analysis. Mosier MA, et al. **Curr Eye Res** 1982–83;2(10):699–704

Effects of cytotoxic drugs on proliferative vitreoretinopathy in the rabbit cell injection model. Sunalp M, et al. **Curr Eye Res** 1984 Apr;3(4):619–23

Computer fluorophotometry. van Best JA, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):89–97

Temporary use of silicone oil in the treatment of proliferative vitreoretinopathy. An experimental study with a new animal model. Gonvers M, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(1):46–53

Pars plana vitrectomy in eyes with malignant melanoma. Laqua H, et al. **Graefes Arch Clin Exp Ophthalmol** 1983; 220(6):279–84

Anterior vitrectomy. Mishra RK. **Indian J Ophthalmol** 1983 May;31(3):288–9

Recurrent intraocular hemorrhage associated with posterior chamber lens implantation. Pazandak B, et al. **J Am Intraocul Implant Soc** 1983 Summer;9(3):327–9

Late postoperative hemorrhage following intracapsular cataract extraction with the IOLAB 91Z anterior chamber lens. Wiley RG, et al. **J Am Intraocul Implant Soc** 1983 Fall;9(4):466–9

Vision symptoms with asteroid bodies in the vitreous. Potter JW, et al. **J Am Optom Assoc** 1984 Jun;55(6):419–22

Periodic alternating nystagmus clearing after vitrectomy. Cross SA, et al. **J Clin Neuro Ophthalmol** 1982 Mar; 2(1):5–11

Subhyaloid hemorrhage in Haemophilus meningitis. Case report. Campbell DA, et al. **J Neurosurg** 1984 Jul; 61(1):178–9

Atypical echographic forms of retinoblastomas. Lopez JF, et al. **J Pediatr Ophthalmol Strabismus** 1983 Nov–Dec; 20(6):230–4

Artefacts of intrusion in the pattern electroretinogram. Holden AL, et al. **Ophthalmic Res** 1983;15(6):289–92

Vitrectomy for asteroid hyalosis? [letter] Hanscom TA, et al. **Ophthalmic Surg** 1984 Jun;15(6):535

Evaluation of toxicity of intravitreal antineoplastic drugs. Peyman GA, et al. **Ophthalmic Surg** 1984 May;15(5):411–3

Clinical factors predisposing to massive proliferative vitreoretinopathy in rhegmatogenous retinal detachment. Bonnet M. **Ophthalmologica** 1984;188(3):148–52

Biomicroscopic study of the vitreous in macular breaks. Avila MP, et al. **Ophthalmology** 1983 Nov;90(11):1277–83

Vitreous floaters. Murakami K, et al. **Ophthalmology** 1983 Nov;90(11):1271–6

Neovascular glaucoma and vitreous hemorrhage following cataract surgery in patients with diabetes mellitus. Aiello LM, et al. **Ophthalmology (Rochester)** 1983 Jul;90(7):814–20

Combined retinal–retina pigment epithelial hamartoma presenting as a vitreous hemorrhage. Kahn D, et al. **Retina** 1984 Winter–Spring;4(1):40–3

Antiproliferative drugs in the treatment of experimental proliferative vitreoretinopathy. Kirmani M, et al. **Retina** 1983 Fall–Winter;3(4):269–72

Vitreous hemorrhage in senile macular degeneration. Kreiger AE, et al. **Retina** 1983 Fall–Winter;3(4):318–21

Incremental panretinal photocoagulation. Results in treating proliferative diabetic retinopathy. Rogell GD. **Retina** 1983 Fall–Winter;3(4):308–11

Vitreous hemorrhage secondary to juxtapapillary vascular hamartoma of the retina. Wang CL, et al. **Retina** 1984 Winter–Spring;4(1):44–7

Role of the vitreous in cystoid macular edema. Schepens CL, et al. **Surv Ophthalmol** 1984 May;28 Suppl:499–504

The drainage of subretinal fluid. Wilkinson CP, et al. **Trans Am Ophthalmol Soc** 1983;81:162–71

Symposium on medical and surgical diseases of the retina and vitreous. **Trans New Orleans Acad Ophthalmol** 1983; :1–397

[Echo diagnosis in vitreous hemorrhages] Verbeek AM. **Ned Tijdschr Geneeskd** 1984 Jun 9;128(23):1090–5 (Eng. Abstr.) **(Dut)**

[Recurring vitreous body hemorrhages due to a retinal vessel drawn into the vitreous body cavity] Chatzoulis D, et al. **Klin Monatsbl Augenheilkd** 1983 Oct;183(4):256–8 (Eng. Abstr.) **(Ger)**

[Clinical signs and histopathology of so–called reticulum cell sarcoma of the eye] Faulborn J, et al. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):120–1 (Eng. Abstr.) **(Ger)**

[Vitreous body hemorrhage in intermediary uveitis] Slezak H. **Klin Monatsbl Augenheilkd** 1984 Mar;184(3):211–2 (Eng. Abstr.) **(Ger)**

[Ocular fluorophotometry in patients with essential hypertension] Kayazawa F, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1337–40 (Eng. Abstr.) **(Jpn)**

[Vitreous fluorophotometry in diabetes with normal fundi] Kayazawa F, et al. **Nippon Ganka Gakkai Zasshi** 1983; 87(8):595–601 (Eng. Abstr.) **(Jpn)**

[Time of occurrence of retinal detachment after complicated and uncomplicated cataract extraction] Bejnarowicz A, et al. **Klin Oczna** 1984 Jan;86(1):11–2 (Eng. Abstr.) **(Pol)**

[Macular edema as a complication of senile cataract extraction related to the condition of the vitreous body] Krukar–Bastrowa K. **Klin Oczna** 1983 Oct;85(10):353–5 (Eng. Abstr.) **(Pol)**

[Changes in the anterior segment of the contralateral eye in patients with retinal detachment in aphakia] Zachwatowicz B, et al. **Klin Oczna** 1984 Jan;86(1):31–3 (Eng. Abstr.) **(Pol)**

[Peripheral vitreoretinal degeneration (Wagner's syndrome)] Cernea P, et al. **Rev Chir [Oftalmol]** 1983 Jul–Sep; 27(3):223–30 (Eng. Abstr.) **(Rum)**

[Indications and contraindications of vitrectomy and technical methods used after the initial months of clinical experience] Olteanu M, et al. **Rev Chir [Oftalmol]** 1984 Apr–Jun;28(2):113–6 (Eng. Abstr.) **(Rum)**

[Prevention of retinal detachment in patients with peripheral vitreochorioretinal dystrophies] Saksonova EO, et al. **Oftalmol Zh** 1983;38(3):151–5 (Eng. Abstr.) **(Rus)**

[Origin of the subretinal fluid in retinal detachment] Gorban' AI, et al. **Vestn Oftalmol** 1983 Sep–Oct;(5):38–41 (Eng. Abstr.) **(Rus)**

[Efficacy of anterior vitrectomy using vitreotomes in surgical prolapse of the vitreous body and anterior vitreofixation] Movshovich AI, et al. **Vestn Oftalmol** 1984 Jul–Aug; (4):35–7 (Eng. Abstr.) **(Rus)**

[Ultrasonic anterior vitrectomy in the treatment of postoperative hernias of the vitreous body and vitreofixation in the cicatrix] Movshovich AI, et al. **Vestn Oftalmol** 1983 Sep–Oct;(5):29–32 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Management of persistent hyperplastic primary vitreous. Stark WJ, et al. **Aust J Ophthalmol** 1983 Aug;11(3):195–200

Congenital malformations of the retinal pigment epithelium. De Laey JJ, et al. **Bull Soc Belge Ophtalmol** 1982; 201:113–20

Pars plicata surgery in the child for pupillary membranes, persistent hyperplastic primary vitreous, and infantile cataract. Goldberg MF, et al. **Trans New Orleans Acad Ophthalmol** 1983;:228–62

[Surgery of posterior polar cataract in persistent hyperplastic primary vitreous] Völcker HE, et al.

Klin Monatsbl Augenheilkd 1983 Aug;183(2):79–85 (Eng. Abstr.) **(Ger)**

ANALYSIS

Immunocytochemical demonstration of prealbumin in the vitreous in heredofamilial amyloidosis. Doft BH, et al. **Am J Ophthalmol** 1984 Mar;97(3):296–300

Determination of copper concentration in blood plasma and in ocular and cerebrospinal fluids using graphite furnace atomic absorption spectroscopy. McGahan MC, et al. **Anal Biochem** 1983 Nov;135(1):186–92

A new look at vitreous–humour collagen. Ayad S, et al. **Biochem J** 1984 Mar 15;218(3):835–40

The pathophysiology of the ocular microenvironment. I. Preliminary report on the possible involvement of copper in ocular inflammation. McGahan MC, et al. **Curr Eye Res** 1982–83;2(12):883–5

Determination of the time of death by estimating potassium level in the cadaver vitreous humour. Agrawal RL, et al. **Indian J Ophthalmol** 1983 Sep;31(5):528–31

The effect of chilling, freezing, and rewarming on the postmortem chemistry of vitreous humor. Bray M. **J Forensic Sci** 1984 Apr;29(2):404–11

The eye as a chemical indicator of environmental temperature at the time of death. Bray M. **J Forensic Sci** 1984 Apr; 29(2):396–403

Vitreous humor chemistry in deaths associated with rapid chilling and prolonged freshwater immersion. Bray M, et al. **J Forensic Sci** 1983 Jul;28(3):588–93

Hypothermia: autopsy findings and vitreous glucose. Coe JI. **J Forensic Sci** 1984 Apr;29(2):389–95

Comparative study of postmortem barbiturates, methadone, and morphine in vitreous humor, blood, and tissue. Ziminski KR, et al. **J Forensic Sci** 1984 Jul;29(3):903–9

[Biochemical studies on mechanism of vitreous liquefaction and detachment. (1). Hyaluronic acid and soluble protein of the vitreous body in rabbit after xenon photocoagulation] Tagawa H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Mar; 88(3):523–31 (Eng. Abstr.) **(Jpn)**

[Relation between pharmacokinetics of an antibiotic in ocular fluids and the method of administration and dosage form of gentamycin] Malchuk IuF, et al. **Antibiotiki** 1984 May; 29(5):386–90 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Scanning electron microscopic studies of the hyaloid vascular system in newborn mice exposed to O2 and CO2. Bischoff PM, et al. **Graefes Arch Clin Exp Ophthalmol** 1983; 220(6):257–63

Phagocytic activity of hyalocytes in postnatal hyaloid artery. Yamamoto K, et al. **Jpn J Ophthalmol** 1984;28(2):189–95

Autosomal dominant preretinal vascular loops. Lambert HM, et al. **Retina** 1983 Fall–Winter;3(4):258–60

[Pars plana vitrectomy for vitreous hemorrhage due to retinal periphlebitis] Jiang JK. **Chung Hua Yen Ko Tsa Chih** 1983 Nov;19(6):355–7 **(Chi)**

CYTOLOGY

Effect of vitreous on morphologic characteristics of retinal pigment epithelial cells. A new approach to the study of proliferative vitreoretinopathy. Vidaurri–Leal J, et al. **Arch Ophthalmol** 1984 Aug;102(8):1220–3

[Effect of vitreous and retinal extract on growth of cultured human intraocular fibroblast] Hayashi H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jun;88(6):940–7 (Eng. Abstr.) **(Jpn)**

[Rabbit vitreous cells in tissue culture] Mitsuo K. **Nippon Ganka Gakkai Zasshi** 1983;87(12):1327–36 (Eng. Abstr.) **(Jpn)**

[Cells of the vitreous humor] Rykov VA. **Vestn Oftalmol** 1984 Mar–Apr;(2):64–6 (40 ref.) **(Rus)**

DRUG EFFECTS

Pseudovitreous fluid based on sodium carboxymethylcellulose. Wilhelmus KR, et al. **Ann Ophthalmol** 1984 Apr;16(4):350–2

Experimental model of proliferative vitreoretinopathy (PVR) in the vitrectomised eye: effect of silicone oil. Lean JS, et al. **Br J Ophthalmol** 1984 May;68(5):332–5

Inhibition of experimental intraocular proliferation with intravitreal 5–fluouracil. Binder S, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(3):126–9

A method for chronic drug infusion into the eye. Miki K, et al. **Jpn J Ophthalmol** 1984;28(2):140–6

Botulinum toxin injection into rabbit vitreous. Wienkers K, et al. **Ophthalmic Surg** 1984 Apr;15(4):310–4

Intravitreal 5–fluorouracil in the prevention of post–traumatic vitreous proliferation. Avni I, et al. **Ophthalmologica** 1984;188(1):5–8

[Elimination of organic cations from the eye] Bárány E. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):290–3 (Eng. Abstr.) **(Ger)**

[Experimental studies on the effect of cooled silicone on the retina and vitreous body] Toczołowski J. **Klin Oczna** 1984 Mar;86(3):103–5 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

Ascorbic acid concentration in developing human fetal vitreous humor. Sen A, et al. **Indian J Ophthalmol** 1983 Mar;31(2):73–4

Morphological study on glycosaminoglycans in the developing human vitreous. Akiya S, et al. **Ophthalmic Res** 1984;16(3):145–9

IMMUNOLOGY

[Vitrectomy in inflammatory diseases of the posterior segment of the eye] Binder S, et al. **Klin Monatsbl Augenheilkd** 1983 Aug;183(2):86–9 (Eng. Abstr.) **(Ger)**

INJURIES

Prognostic parameters in pars plana vitrectomy. Scherfig E, et al. **Acta Ophthalmol (Copenh)** 1983 Oct;61(5):788–805

Urokinase–treatment of fresh laser irradiation–induced vitreous hemorrhage. Belkin M, et al. **Ophthalmologica** 1983;187(3):152–6

METABOLISM

Ocular pharmacokinetics of ceftriaxone following subconjunctival injection in rabbits. Jay WM, et al. **Arch Ophthalmol** 1984 Mar;102(3):430–2

Intravitreal disappearance rates of four perfluorocarbon gases. Lincoff H, et al. **Arch Ophthalmol** 1984 Jun; 102(6):928–9

Transport of fluorescein in the ocular posterior segment in retinitis pigmentosa. Mallick KS, et al. **Arch Ophthalmol** 1984 May;102(5):691–6

Effect of lensectomy on the movement of tracers from vitreous to aqueous. Thompson JT, et al. **Arch Ophthalmol** 1984 Jul;102(7):1077–8

Vitreous fluorophotometry in rats with streptozocin–induced diabetes. Vine AK, et al. **Arch Ophthalmol** 1984 Jul; 102(7):1083–5

Routes of clearance of radioactive water from the rabbit vitreous. Moseley H, et al. **Br J Ophthalmol** 1984 Mar; 68(3):145–51

Pharmacokinetics and metabolism of 5–fluorouracil following subconjunctival versus intravenous administration. Rootman J, et al. **Can J Ophthalmol** 1984 Jun;19(4):187–91

Distribution of radiolabelled azelaic cid in eye membranes and fluids of rabbits. Mingrone G, et al. **Exp Pathol** 1984; 25(2):85–8

Pharmacokinetics of intravitreal carbenicillin, cefazolin, and gentamicin in rhesus monkeys. Barza M, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1602–6

Pharmacokinetic interpretation of vitreous fluorophotometry. Zeimer RC, et al. **Invest Ophthalmol Vis Sci** 1983 Oct; 24(10):1374–81

[Metabolite–, total–protein and temperature behavior in the anterior segment and in the vitreous after vitreous elimination without lensectomy of the rabbit eye] Schelenz J, et al. **Fortschr Ophthalmol** 1983;80(2):155–8 (Eng. Abstr.) **(Ger)**

[Concentration of intravenously infused cefotiam dihydrochloride in human vitreous cavity] Kamiya I, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(11):1106–11 (Eng. Abstr.) **(Jpn)**

[Kinin system of the vitreous body in the course of development of experimental retinal dystrophy] Butiukova VA, et al. **Oftalmol Zh** 1984;(1):40–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Torulopsis glabrata sepsis appearing as necrotizing enterocolitis and endophthalmitis. Baley JE, et al. **Am J Dis Child** 1984 Oct;138(10):965–6

[Studies on the pathogenesis of non–spore–forming anaerobic bacteria in ocular infections. Report 1. Experimental endophthalmitis with Propionibacterium acnes in guinea pigs and transition of viable cells in the vitreous body] Nagai S. **Nippon Ganka Gakkai Zasshi** 1984 Apr; 88(4):712–8 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Posterior internal ophthalmomyiasis. Identification of a surgically removed Cuterebra larva by scanning electron microscopy. Custis PH, et al. **Ophthalmology** 1983 Dec; 90(12):1583–90

PATHOLOGY

Vitreous cytology in primary cerebroretinal malignant lymphoma. Weiner JM, et al. **Aust J Ophthalmol** 1984 Feb; 12(1):33–7

The origin of senile lens exfoliation. Ghosh M, et al. **Can J Ophthalmol** 1983 Dec;18(7):340–3

Morphologic evaluation of vitreous collagen after penetrating ocular injury. Ussmann JH, et al. **Curr Eye Res** 1984 Mar; 3(3):395–401

Syneresis and vitreous hemorrhage in pseudophacia. Wolter JR. **Graefes Arch Clin Exp Ophthalmol** 1983;220(5):223–8

Persistence of the primary vitreous in association with the morning glory disc anomaly. Brown GC, et al. **J Pediatr Ophthalmol Strabismus** 1984 Jan–Feb;21(1):5–7

Choroidal melanoma with retinal perforation and vitreous hemorrhage: a scanning electron microscopic study. Eagle RC Jr, et al. **Jpn J Ophthalmol** 1983;27(3):512–21

Studies on the blood–retinal barrier after cryoretinopexy with vitreous fluorophotometry. Kato M, et al. **Nagoya J Med Sci** 1984 Mar;46(1–4):79–86

A simple, inexpensive sterile vitreous specimen collection device with peyman vitreophage. Chen CJ, et al. **Ophthalmic Surg** 1983 Aug;14(8):690–2

Pathologic processing of vitrectomy specimens. A comparison of pathologic findings with celloidin bag and cytocentrifugation preparation of 102 vitrectomy specimens. Chess J, et al. **Ophthalmology** 1983 Dec; 90(12):1560–4

Vitreous in lattice degeneration of retina. Foos RY, et al. **Ophthalmology** 1984 May;91(5):452–7

The vitreous and vitreous floaters. Understanding a common visual complaint. Laibovitz RA. **Postgrad Med** 1984 Apr; 75(5):64–7

Vitreous seeding by retinal astrocytic hamartoma in a patient with tuberous sclerosis. de Juan E Jr, et al. **Retina** 1984 Spring–Summer;4(2):100–2

Ocular involvement in Whipple's disease. Selsky EJ, et al. **Retina** 1984 Spring–Summer;4(2):103–6

Nuclear magnetic resonance imaging of the vitreous body. González RG, et al. **Science** 1984 Jan 27;223(4634):399–400

Pathogenesis of cystoid macular edema: an anatomic consideration of vitreoretinal adhesions. Sebag J, et al. **Surv Ophthalmol** 1984 May;28 Suppl:493–8 (31 ref.)

[Vitreoretinal changes after photocoagulation treatment of proliferative retinopathies] Bacin F. **Bull Soc Ophtalmol Fr** 1983 Apr;83(4):563–6 (Eng. Abstr.) **(Fre)**

[Maculopathy in retinovitreous degeneration. Apropos of 2 cases] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1983 Feb; 83(2):277–9 (Eng. Abstr.) **(Fre)**

[Vitrectomy in vascular diseases of the fundus oculi. Apropos of the 34 initial cases in 283 vitrectomies] Picco R, et al. **Bull Soc Ophtalmol Fr** 1983 Aug–Sep;83(8–9):967–9 **(Fre)**

[Hemorrhage in the vitreous and retinal venous loop in a diabetic subject] Mathis A, et al. **J Fr Ophtalmol** 1984; 7(3):201–3 (Eng. Abstr.) **(Fre)**

[Proliferative vitreoretinal reaction] Kampik A. **Fortschr Med** 1984 Jan 26;102(4):75–8 (Eng. Abstr.) **(Ger)**

[Histological findings in the vitreous body in posterior rhegmatogenous vitreal detachment] Faulborn J, et al. **Fortschr Ophthalmol** 1983;80(4):329–32 (Eng. Abstr.) **(Ger)**

[Configuration of the tractus vitreales in rhegmatogenous posterior detachment of the vitreous body] Slezak H. **Klin Monatsbl Augenheilkd** 1984 Apr;184(4):294–6 (Eng. Abstr.) **(Ger)**

[Microscopic study of intravitreal hemorrhage in various pathological conditions of the human eye] Agafonov VA, et al. **Vestn Oftalmol** 1984 May–Jun;(3):57–61 (Eng. Abstr.) **(Rus)**

[Hernias of the vitreous body and linear parameters of the eyeball] Kartasheva EA, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):43–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Dynamics of an oscillating viscoelastic sphere: a model of the vitreous humor of the eye. Buchsbaum G, et al. **Biorheology** 1984;21(1–2):285–96

Coagulation properties of intraocular humors and cerebrospinal fluid. Khodadoust AA, et al. **Invest Ophthalmol Vis Sci** 1983 Dec;24(12):1616–9

Unidirectional vesicular transport mechanism in retinal vessels. Raviola G, et al. **Invest Ophthalmol Vis Sci** 1983 Nov;24(11):1465–74

A foot in the vitreous fluid [news] Gardner–Medwin AR. **Nature** 1984 May 10–16;309(5964):113

PHYSIOPATHOLOGY

Experimental retinal detachment. V. Fluid movement through the retinal hole. Pederson JE, et al. **Arch Ophthalmol** 1984 Jan;102(1):136–9

A theoretical study of the effect of vitreous hemorrhage on the electroretinogram. Doslak MJ, et al. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):233–5

RADIATION EFFECTS

Vitreous changes after neodymium–YAG laser irradiation of the posterior lens capsule or mid–vitreous. Lerman S, et al. **Am J Ophthalmol** 1984 Apr;97(4):470–5

Concerning the article 'X–irradiation in the prevention of experimental post–traumatic vitreous proliferation' by M. Belkin, I. Avni, E. Kessler, A. Hercberg, A. Spierer and G. Treister; Current Eye Research 2:753–756, 1982/1983 [letter] Ophir A. **Curr Eye Res** 1984 Jul;3(7):975–6

SURGERY

New technique for visualization of infusion cannula during vitreous surgery [letter] de Juan E Jr, et al. **Am J Ophthalmol** 1984 May;97(5):657–8

Neodymium–YAG laser therapy to the anterior hyaloid in aphakic malignant (ciliovitreal block) glaucoma. Epstein DL, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):137–43

Retinal tear localization following fluid–gas exchange during pars plana vitreoretinal surgery [letter] Fisher YL, et al. **Am J Ophthalmol** 1984 Mar;97(3):390

Intraocular argon laser photocoagulation in the management of severe proliferative vitreoretinopathy. Parke DW 2d, et al. **Am J Ophthalmol** 1984 Apr;97(4):434–43

A modified flute needle [letter] Zivojnovic R, et al.

Am J Ophthalmol 1983 Oct;96(4):548–9
Intracapsular cataract extraction complicated by vitreous loss: final vision without vitrectomy. Weene LE.
Ann Ophthalmol 1984 Apr;16(4):323–5
Early vitrectomy [letter] Hanscom T. **Arch Ophthalmol** 1984 Apr;102(4):507–8
Surgical removal of vitreous. Its effect on intraocular fibroblast proliferation in the rabbit. Hsu HT, et al.
Arch Ophthalmol 1984 Apr;102(4):605–7
Surgical treatments of proliferative vitreoretinopathy. Jalkh AE, et al. **Arch Ophthalmol** 1984 Aug;102(8):1135–9
Neodymium–YAG laser surgery on experimental vitreous membranes. Puliafito CA, et al. **Arch Ophthalmol** 1984 Jun; 102(6):843–7
Vitrectomy in two cases of bilateral Terson syndrome. van Rens GH, et al. **Doc Ophthalmol** 1983 Dec 15;56(1–2):155–9
Total displacement of the vitreous by an expanding gas in a rabbit model. Lincoff H, et al. **Fortschr Ophthalmol** 1984; 81(1):95–8
Visual evoked potentials (flash) in diabetics prior to vitrectomy. Tinning S, et al. **Fortschr Ophthalmol** 1983; 80(6):485–7
Sympathetic ophthalmia: induced by vitrectomy not by trauma. Tamai M, et al. **Jpn J Ophthalmol** 1984;28(1):75–9
Incarceration of asteroid bodies in sclerotomy wound following pars plana vitrectomy. Riffenburgh RS, et al. **Ophthalmic Surg** 1984 Jan;15(1):31–3
Evaluation of the neodymium–YAG laser for treatment of ocular opacities. Riggins J, et al. **Ophthalmic Surg** 1983 Aug;14(8):675–82
Five years pars plana vitrectomy. François J, et al.
Ophthalmologi ɔ 1983;187(3):148–51
Vitrectomy in severe ocular trauma. Hermsen V.
Ophthalmologica 1984;189(1–2):86–92
Low-vision aids for patients with . .boptimal vision after closed vitrectomy for diabetic vitreous hemorrhage. Chan IM, et al. **Ophthalmology** 1984 May;91(5):458–60
Vitreous substitute. Experimental studies and review. Chan IM, et al. **Retina** 1984 Winter–Spring;4(1):51–9
Surgery of retinal detachment with proliferative vitreoretinopathy. Michels RG. **Retina** 1984 Spring–Summer;4(2):63–83
Contact lenses for Nd:YAG application in the vitreous. Peyman GA. **Retina** 1984 Spring–Summer;4(2):129–31
Early treatment of trauma. Coleman DJ.
Trans New Orleans Acad Ophthalmol 1983;:177–91
Outer retinal ischemic infarction: a newly recognized complication of cataract extraction and closed vitrectomy. Gass JD. **Trans New Orleans Acad Ophthalmol** 1983;:223–7
Treatment of rhegmatogenous detachment in massive preretinal retraction. McMeel JW, et al.
Trans New Orleans Acad Ophthalmol 1983;:137–43
Experimental model of posterior penetrating injury. Ryan SJ, et al. **Trans New Orleans Acad Ophthalmol** 1983;:122–8
Vitrectomy in diabetes. Ryan SJ.
Trans New Orleans Acad Ophthalmol 1983;:353–60
Penetrating ocular trauma and pars plana vitrectomy. Ryan SJ. **Trans New Orleans Acad Ophthalmol** 1983;:129–36
An unusual complication of intraocular surgery. Cox D.
Trans Ophthalmol Soc NZ 1984;36:38–9
Pars plana vitrectomy entry sites. Gregor Z, et al.
Trans Ophthalmol Soc UK 1982;102 (Pt 4):461–7
The use of visco elastic materials in the posterior segment. Scott J. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):280–3
[Peroperative vitreous retraction: inclined position and flash administration of hypertonic mannitol] Biard L, et al.
Bull Mem Soc Fr Ophtalmol 1983;95:539–46 **(Fre)**
[Current role of vitrectomy in the treatment of retinal detachment (reflections apropos of clinical cases)] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1983 Mar;83(3):419–21 (Eng. Abstr.) **(Fre)**
[Importance of vitrectomy in the treatment of posterior uveitis] Leuenberger PM. **Klin Monatsbl Augenheilkd** 1984 May;184(5):445–8 (Eng. Abstr.) **(Fre)**
[Treatment of selected retinal detachments by intravitreal SF6 injection] Gleitz CD, et al. **Fortschr Ophthalmol** 1984; 81(1):99–101 (Eng. Abstr.) **(Ger)**
[Air as an internal tamponade in retinal surgery] Gnad H, et al. **Fortschr Ophthalmol** 1984;81(1):102–4 (Eng. Abstr.) **(Ger)**
[Animal experiment studies on the effect of vitrectomy on the intraocular penetration of systemically applied cephalosporins] Mester U, et al. **Fortschr Ophthalmol** 1983; 80(2):159–61 (Eng. Abstr.) **(Ger)**
[Has the prognosis of perforating injuries improved as a result of vitrectomy?] Röver J, et al. **Fortschr Ophthalmol** 1984; 81(1):50–3 (Eng. Abstr.) **(Ger)**
[Bipolar wet-field diathermy in microsurgery] Klöti R.
Klin Monatsbl Augenheilkd 1984 May;184(5):442–4 (Eng. Abstr.) **(Ger)**
[Effect of enzymatic vitreolysis on the absorption of experimental vitreous hemorrhage. Preliminary report] Zagórski Z. **Klin Oczna** 1983 May;85(5):197–9 (Eng. Abstr.) **(Pol)**
[Morphologic study of the reaction of the eye to injection of centrifuged autovitreous body] Panormova NV, et al. **Oftalmol Zh** 1983;38(4):231–3 (Eng. Abst..) **(Rus)**
[Method of preventing ptosis and repositioning of the prolapsed vitreous body during intraocular operations] Brovkina AF, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):33–5 (Eng. Abstr.) **(Rus)**
[Comparison of traditional surgery and transciliary vitrectomy in treating aphakic glaucoma with vitreal block and a shallow anterior chamber] Movshovich AI, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):13–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Topographic variations in the rabbit and primate internal limiting membrane. Matsumoto B, et al.
Invest Ophthalmol Vis Sci 1984 Jan;25(1):71–82
Characterization of membranes removed during open-sky vitrectomy. Peczon BD, et al.
Invest Ophthalmol Vis Sci 1983 Oct;24(10):1382–9
Medulloepithelioma diagnosed by ultrasound and vitreous aspirate. Electron microscopic observations. Orellana J, et al. **Ophthalmology** 1983 Dec;90(12):1531–9
[Morphological study on the developing collagen fibrils of the vitreous body] Akiya S, et al.
Nippon Ganka Gakkai Zasshi 1984 Jan;88(1):173–84 (Eng. Abstr.) **(Jpn)**

VIVISECTION

HISTORY

William Osler and Arthur Conan Doyle versus the antivivisectionists: some lessons from history for today. Key JD, et al. **Mayo Clin Proc** 1984 Mar;59(3):189–96

VOCABULARY

Teaching of labels: an analysis of concrete and pictorial representations. Handleman JS, et al. **Am J Ment Defic** 1984 May;88(6):625–9
Evidence for a major gene influencing performance on a vocabulary test. Borecki IB, et al. **Behav Genet** 1984 Jan; 14(1):63–79
A stress and arousal mood scale for low vocabulary subjects: a reworking of Mackay et al. (1978). Cruickshank PJ.
Br J Psychol 1984 Feb;75 (Pt 1):89–94
Spooning and basketing: children's dealing with accidental gaps in the lexicon. Bushnell EW, et al. **Child Dev** 1984 Jun;55(3):893–902
Quantitative studies on speech characteristics of aphasics. A statistical approach to vocabulary. Kreindler A, et al.
Hum Neurobiol 1983;2(3):171–6
Transsexualism and Slater's Selective Vocabulary Test. Kenna JC, et al. **Int J Soc Psychiatry** 1984 Autumn; 30(3):207–12
Vocabulary test performance of old and young adults: another look at qualitative scoring. O'Dowd SC.
J Gen Psychol 1983 Oct;109(2d Half):167–80
Inappropriate word extensions in the speech of young language-disordered children. Chapman K, et al.
J Speech Hear Disord 1983 Feb;48(1):55–62
Knowledge of medical terminology among hospital patients. Byrne TJ, et al. **Nurs Res** 1984 May–Jun;33(3):178–81
Meta-analysis of the validity of a verbal ability selection test with psychiatric aides. Distefano MK Jr, et al.
Psychol Rep 1984 Apr;54(2):676–8
Teaching receptive vocabulary to children with severe learning difficulties. Ashdown R.
Spec Educ Forward Trends 1984 Mar;11(1):23–6

VOCABULARY TESTS see **LANGUAGE TESTS**

VOCAL CORD PARALYSIS

CHEMICALLY INDUCED

Vocal cord paralysis. A latent effect of perivascular thorium dioxide. DeLuca SA, et al. **Arch Otolaryngol** 1984 May; 110(5):339–40

COMPLICATIONS

Teflon injection in 16 patients with paralytic dysphonia: perceptual and acoustic evaluations. Hammarberg B, et al.
J Speech Hear Disord 1984 Feb;49(1):72–82
Surgical treatment of chronic laryngeal stenosis secondary to vocal cord paralysis: pre and postoperative evaluation of ventilatory function [letter] Weymuller EA Jr.
Laryngoscope 1983 Nov;93(11 Pt 1):1488
Horner's syndrome with ipsilateral vocal cord and phrenic nerve palsies. Amin R. **Postgrad Med J** 1984 Feb; 60(700):140–2

CONGENITAL

Congenital bilateral recurrent nerve paralysis and ptosis: a new syndrome? Tucker HM. **Laryngoscope** 1983 Nov;93(11 Pt 1):1405–7

DIAGNOSIS

Vocal cord paralysis. Stevens MH, et al.
Ear Nose Throat J 1983 Oct;62(10):24, 26, 28–30 (19 ref.)
Coexistant lesions of the pediatric airway. Shugar MA, et al. **Int J Pediatr Otorhinolaryngol** 1980 Nov;2(4):323–7
Newly recognized syndrome in the neck [letter]
J R Soc Med 1983 Sep;76(9):798–9
[Vocal cord paralysis in phoniatric practice] Wendler J, et al. **Folia Phoniatr (Basel)** 1984;36(2):74–83 (Eng. Abstr.) **(Ger)**
[Bulbar paralytic symptoms including acute vocal cord paralysis in Shy-Drager syndrome] Flügel KA, et al.
Nervenarzt 1984 Jun;55(6):293–8 **(Ger)**

ETIOLOGY

Respiratory failure in myasthenia gravis due to vocal cord paresis. Schmidt-Nowara WW, et al. **Arch Neurol** 1984 May;41(5):567–8
Bilateral vocal cord paralysis due to whiplash injury. Helliwell M, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1876–7
Vocal cord paralysis in neuraxial malformation. Ravilochan K, et al. **Indian J Pediatr** 1983 Sep–Oct;50(406):557–9
Temporary vocal cord paralysis in fibrosing mediastinitis. Cohn M, et al. **J Med Soc NJ** 1983 Oct;80(10):841–3
Injection injuries of the recurrent laryngeal nerve. Raz S, et al. **Laryngoscope** 1984 Feb;94(2 Pt 1):197–200
Persistent vocal cord paralysis in subacute thyroiditis. Langevitz P, et al. **Postgrad Med J** 1983 Nov;59(697):726–7
Vocal cord paralysis associated with coalworkers' pneumoconiosis and progressive massive fibrosis. Sherani TM, et al. **Thorax** 1984 Sep;39(9):683–4
[Laryngeal immobility after intubation] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(4):253–9 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Recurrent laryngeal nerve paralysis. A 10-year review of 564 patients. Yamada M, et al. **Auris Nasus Larynx** 1983; 10 Suppl:S1–15

PATHOLOGY

Histological findings in arytenoid cartilages after long-lasting recurrent nerve paralysis. Elies W, et al.
J Laryngol Otol 1983 Oct;97(10):949–57

PHYSIOPATHOLOGY

Abnormal parasympathetic vagal function in patients with spasmodic dysphonia. Feldman M, et al.
Ann Intern Med 1984 Apr;100(4):491–5
Documentation of upper airway obstruction in unilateral vocal cord paralysis: flow-volume loop studies in 43 subjects. Kashima HK. **Laryngoscope** 1984 Jul;94(7):923–37
[Laryngeal electromyography. Technic—1st results] Boudin G, et al. **J Fr Otorhinolaryngol** 1984 Jan;33(1):46–8 **(Fre)**
[Voice quality in relation to its communicativity in patients with laryngeal paralysis] Streubel HG, et al.
Folia Phoniatr (Basel) 1983;35(5):254–60 (Eng. Abstr.) **(Ger)**
[Electromyography of the larynx] Arold R, et al. **HNO** 1983 Oct;31(10):353–8 (Eng. Abstr.) **(Ger)**
[Respiration rhythm-controlled electric stimulation of paralyzed laryngeal muscles—animal experiment findings] Bergmann K, et al.
Z Exp Chir Transplant Kunstliche Organe 1983;16(6):344–51 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Plain roentgenography in the evaluation of unilateral vocal cord mobility. Deeb ZE. **Am J Otolaryngol** 1983 Mar–Apr; 4(2):92–100

REHABILITATION

Injectable collagen in laryngeal rehabilitation. Ford CN, et al. **Laryngoscope** 1984 Apr;94(4):513–8
[Rare case of esophageal speech production in a patient with bilateral lesions of the recurrent laryngeal nerve] Lavrova EV. **Vestn Otorinolaringol** 1983 Sep–Oct;(5):79–80 **(Rus)**

SURGERY

Selective reinnervation of vocal cord adductors in unilateral vocal cord paralysis. Crumley RL.
Ann Otol Rhinol Laryngol 1984 Jul–Aug;93(4 Pt 1):351–6
Muscle transposition in the rehabilitation of the paralyzed larynx. Neal GD, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):478–81
The restoration of laryngeal competence by polytetrafluorethylene paste after oesophageal surgery [letter] **Ann R Coll Surg Engl** 1984 Mar;66(2):149–50
A simple operation for bilateral vocal cord paralysis. Ejnell H, et al. **Laryngoscope** 1984 Jul;94(7):954–8
[Primary tracheal anastomosis after resection of mediastinal thyroid carcinoma—successful management of paralysis of bila ral recurrent laryngeal nerves] Ishii N, et al.
Nippon Kyobu Geka Gakkai Zasshi 1984 Feb;32(2):272–6 (Eng. Abstr.) **(Jpn)**

THERAPY

The restoration of laryngeal competence by polytetrafluoroethylene paste after oesophageal surgery. Higgins AF, et al. **Ann R Coll Surg Engl** 1983 Nov;65(6):365
Use of direct posterior cricoarytenoid stimulation in laryngeal paralysis. Obert PM, et al. **Arch Otolaryngol** 1984 Feb; 110(2):88–92
[Value of health resort treatment in cases of laryngeal complications after strumectomy]
Maniecka-Aleksandrowicz B, et al. **Otolaryngol Pol** 1983; 37(1):53–8 (Eng. Abstr.) **(Pol)**

VETERINARY

Assessment of the efficacy of an abductor muscle prosthesis for treatment of laryngeal hemiplegia in horses. Speirs VC, et al. **Aust Vet J** 1983 Oct;60(10):294–9

Arterial blood gas tensions during exercise in a horse with laryngeal hemiplegia, before and after corrective surgery. Bayly WM, et al. **Res Vet Sci** 1984 Mar;36(2):256–8

VOCAL CORDS

Carcinoma of the larynx. Growth, p-classification and grading of squamous cell carcinoma of the vocal cords. Glanz HK. **Adv Otorhinolaryngol** 1984;32:1–123 (228 ref.)

Vocal cord hematomas complicating anticoagulant therapy. Kerr HD, et al. **Ann Emerg Med** 1984 Jul;13(7):552–3

Histologic findings in a larynx reconstructed by a nasoseptal autograft after partial laryngectomy. Laurian N, et al. **Laryngoscope** 1983 Nov;93(11 Pt 1):1481–2

Vocal-cord dysfunction presenting as asthma [letter] Maricle R. N **Engl J Med** 1983 Nov 10;309(19):1190–1

Principia of cancer therapy. V. Clinical and histopathological criteria for cancer redifferentiation. Okuyama S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec;30(1–4):31–5

[Vocal cord myoclonus. A case report on the posterior inferior cerebellar artery syndrome] Kaps M, et al. **Arch Psychiatr Nervenkr** 1983;233(5):409–14 (Eng. Abstr.) **(Ger)**

[Experiences with the CO2 laser with special reference to the therapy of vocal cord carcinoma] Rudert H. **Laryngol Rhinol Otol (Stuttg)** 1983 Nov;62(11):493–8 (Eng. Abstr.) **(Ger)**

[Vocal nodules: diagnosis, clinical manifestations and treatment] Ibragimova SI, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):44–7 (Eng. Abstr.) **(Rus)**

[Leukoplakia and pachydermia of the mucous membrane of the vocal cords] Točík J. **Cesk Otolaryngol** 1983 Jul; 32(5):312–5 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Vocal cord sulcus. Greisen O. **J Laryngol Otol** 1984 Mar; 98(3):293–6

ANATOMY & HISTOLOGY

[The vocal muscle] Alajmo E, et al. **Arch Ital Anat Embriol** 1983 Jan–Mar;88(1):15–24 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Varicose veins of the vocal cords. Donchev C. **Folia Med (Plovdiv)** 1983;25(4):24–5

Varix of the vocal cord in the professional voice user. Feder RJ. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):435–6

EMBRYOLOGY

Histological structure of vocal fold lamina propria in foetal larynx. Subotić R, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):403–6

INNERVATION

Selective reinnervation of vocal cord adductors in unilateral vocal cord paralysis. Crumley RL. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug;93(4 Pt 1):351–6

Superior laryngeal nerve stimulation effects on respiratory movements of the vocal cords. Modzelewski ZA, et al. **J Otolaryngol** 1984 Apr;13(2):113–7

PATHOLOGY

Scanning electron microscopy of vocal cord hyperplasia, keratosis, papillomatosis, dysplasia and carcinoma. Lundgren J, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct; 96(3–4):315–27

Pathologic quiz case 2: vocal nodule with atypical stromal cells. Fechner RE. **Arch Otolaryngol** 1984 Oct; 110(10):698–700

Vocal fold furrows. A 10-year review of 240 patients. Itoh T, et al. **Auris Nasus Larynx** 1983;10 Suppl:S17–26

Mucoepidermoid carcinoma of the vocal cord. Report of a case. Okinaka Y, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(3):139–46

Dysphonia caused by inhaled steroids: recognition of a characteristic laryngeal abnormality. Williams AJ, et al. **Thorax** 1983 Nov;38(11):813–21

[Leukoplasia and dysplasia of the vocal cords] Perrin C, et al. **J Fr Otorhinolaryngol** 1983 Oct;32(8):487–91 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Study of the mechanism of vocal fold vibration during phonation. Meyer B, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):407–14

Quantitative study of whisper. Monoson P, et al. **Folia Phoniatr (Basel)** 1984;36(2):53–65

Vibratory patterns of the vocal folds during pulse register phonation. Whitehead RL, et al. **J Acoust Soc Am** 1984 Apr;75(4):1293–7

Frequency characteristics of male and female speakers in the pulse register. Sorensen D, et al. **J Commun Disord** 1984 Feb;17(1):65–73

Aerodynamic assessment of vocal function using hand-held spirometers. Rau D, et al. **J Speech Hear Disord** 1984 May; 49(2):183–8

Elasticity of canine vocal fold tissue. Perlman AL, et al. **J Speech Hear Res** 1984 Jun;27(2):212–9

[Phonation and lubrication of the vocal cord] Fukuda H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):126–9 **(Jpn)**

PHYSIOPATHOLOGY

Quantitative and objective evaluation of vocal cord function. Rontal E, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct; 92(5 Pt 1):421–3

Relationships between electroglottograph, speech, and vocal cord contact. Childers DG, et al. **Folia Phoniatr (Basel)** 1984;36(3):105–18

Evaluating vocal fold function. Colton RH, et al. **J Otolaryngol** 1983 Oct;12(5):291–4

Mechanics of vocal fold vibration and laryngeal articulatory gestures produced by hearing-impaired speakers. Metz DE, et al. **J Speech Hear Res** 1984 Mar;27(1):62–9

RADIOGRAPHY

Plain roentgenography in the evaluation of unilateral vocal cord mobility. Deeb ZE. **Am J Otolaryngol** 1983 Mar–Apr; 4(2):92–100

Roentgenological measurement of physiological vocal cord length. An analysis of 59 opera singers. Neng Run W, et al. **Folia Phoniatr (Basel)** 1983;35(6):289–93

SURGERY

Teflon injection of the vocal cord: complications, errors, and precautions. Lewy RB. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):473–4

The silent Chindit mules. Moffett AJ. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1946–7

Phonatory function following unilateral laser cordectomy. Večerina S, et al. **J Laryngol Otol** 1983 Dec;97(12):1139–44

Composite nasal septal cartilage graft for reconstruction after extended frontolateral hemilaryngectomy. Butcher RB 2d, et al. **Laryngoscope** 1984 Jul;94(7):959–62

A simple operation for bilateral vocal cord paralysis. Ejnell H, et al. **Laryngoscope** 1984 Jul;94(7):954–8

Stridor and obstructive sleep apnea in Shy–Drager syndrome treated by laryngofissure and cord lateralization. Kenyon GS, et al. **Laryngoscope** 1984 Aug;94(8):1106–8

The neck after vertical hemilaryngectomy: computed tomographic study. DiSantis DJ, et al. **Radiology** 1984 Jun; 151(3):683–7

[Cordectomy in question] Gaillard J. **J Fr Otorhinolaryngol** 1984 Jan;33(1):7–10 **(Fre)**

[Use of the Montgomery prosthesis in the treatment and prevention of anterior commissural synechiae secondary to bilateral cordectomy] Bottazzi D, et al. **Acta Biomed Ateneo Parmense** 1983;54(3):269–77 (Eng. Abstr.) **(Ita)**

[Modification of the surgical treatment of patients with median laryngeal stenosis] Karpova OIu. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):36–40 (Eng. Abstr.) **(Rus)**

[Method of treating a cicatrix of the vocal cord membrane] Uloza VD, et al. **Vestn Otorinolaringol** 1983 Sep–Oct; (5):73–5 **(Rus)**

ULTRASTRUCTURE

The morphological basis for development of Reinke's oedema. Remenár E, et al. **Acta Otolaryngol (Stockh)** 1984 Jan–Feb;97(1–2):169–76

Dysplastic collagen fibrils in the human vocal fold. An electron microscope study. Staubesand J, et al. **Acta Otolaryngol (Stockh)** 1984 May–Jun;97(5–6):398–402

Ultrastructure of multinuclear giant cells of a human vocal cord Teflon granuloma. Carlsöö B, et al. **Arch Otorhinolaryngol** 1983;238(3):205–8

VOCALIZATION, ANIMAL

Male mouse (Mus musculus) ultrasonic vocalizations to female urine: why is heterosexual experience necessary? Nyby J, et al. **Behav Neural Biol** 1983 May;38(1):32–46

Ultrasonic vocalizations during sex behavior of male house mice (Mus musculus): a description. Nyby J. **Behav Neural Biol** 1983 Sep;39(1):128–34

Sexual dimorphism and lack of seasonal changes in vocal control regions of the white-crowned sparrow brain. Baker MC, et al. **Brain Res** 1984 Mar 12;295(1):85–9

The response of young Peking ducklings to sibling distress calls. Gaioni SJ, et al. **Dev Psychobiol** 1983 Sep; 16(5):423–37

Relationship of prolactin release in lactating rats to milk ejection, sleep state, and ultrasonic vocalization by the pups. Voloschin LM, et al. **Endocrinology** 1984 Feb; 114(2):618–23

Qualities and drawbacks of radiotransmitted vocalizations of monkeys through laryngophones: new perspectives in analysis. Gautier JP. **Folia Primatol (Basel)** 1983; 41(3–4):218–30

Effects of reproductive state on vocalizations in squirrel monkeys (Saimiri sciureus). Smith HJ, et al. **Folia Primatol (Basel)** 1983;40(4):233–46

Mating call phonotaxis in the female American toad: induction by hormones. Schmidt RS. **Gen Comp Endocrinol** 1984 Jul;55(1):150–6

The acoustic features of vervet monkey grunts. Seyfarth RM, et al. **J Acoust Soc Am** 1984 May;75(5):1623–8

Development of species identification in ducklings: XII. Ineffectiveness of auditory self-stimulation in wood ducklings (Aix sponsa). Gottlieb G. **J Comp Psychol** 1984 Jun;98(1):137–41

Vocal mimicry of computer-generated sounds and vocal labeling of objects by a bottlenosed dolphin, Tursiops truncatus. Richards DG, et al. **J Comp Psychol** 1984 Mar; 98(1):10–28

Analysis of ultrasonic vocalizations emitted by residents during aggressive encounters among rats (Rattus norvegicus). Takahashi LK, et al. **J Comp Psychol** 1983 Sep;97(3):207–12

Analysis of ultrasonic vocalizations emitted by intruders during aggressive encounters among rats (Rattus norvegicus). Thomas DA, et al. **J Comp Psychol** 1983 Sep; 97(3):201–6

Avoidance reactions to tape-recorded pain cry in rats. Simonov PV. **Neurosci Behav Physiol** 1983 Mar–Apr; 13(2):87–9

Periaqueductal gray neuronal activity associated with laryngeal EMG and vocalization in the awake monkey. Larson CR, et al. **Neurosci Lett** 1984 May 18;46(3):261–6

Listeners' discrimination of real and human-imitated animal sounds. Lass NJ, et al. **Percept Mot Skills** 1984 Apr; 58(2):453–4

Listeners' identification of human-imitated animal sounds. Lass NJ, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):995–8

Vocalizations and behavior of two commercial stocks of chickens. Stone ND, et al. **Poult Sci** 1984 Apr;63(4):616–9

Forebrain lesions disrupt development but not maintenance of song in passerine birds. Bottjer SW, et al. **Science** 1984 May 25;224(4651):901–3

Temporal lobe lesions and perception of species-specific vocalizations by macaques. Heffner HE, et al. **Science** 1984 Oct 5;226(4670):75–6

[Organization of loud calls (territorial vocalizations) during puberty, in male gibbon (Hylobates concolor gabriellae)] Goustard M. **C R Seances Acad Sci [III]** 1983;296(15):743–5 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Relationship between some behavioral and electroencephalographic changes induced by intrahypothalamic injections of carbachol in the cat. Gralewicz S. **Acta Neurobiol Exp (Warsz)** 1983; 43(6):311–27

Pain-induced vocalization in the rat and its modification by pharmacological agents. Levine JD, et al. **Brain Res** 1984 Mar 26;296(1):121–7

Specificity of gonadal hormone modulation of cholinergic enzymes in the avian syrinx. Luine VN, et al. **Brain Res** 1983 Nov 21;279(1–2):339–42

Effects of ventricularly implanted sex steroids on calling and locomotor activity in castrated male Japanese quail. Wada M. **Horm Behav** 1984 Jun;18(2):130–9

Androgen and gonadotropin effects on male mate calls in South African clawed frogs, Xenopus laevis. Wetzel DM, et al. **Horm Behav** 1983 Dec;17(4):388–404

Effects of imipramine on separation-induced vocalizations in young rhesus monkeys. Porsolt RD, et al. **Pharmacol Biochem Behav** 1984 Jun;20(6):979–81

PHYSIOLOGY

Diencephalic sites from which calling can be evoked with small currents in Japanese quail. Seller TJ, et al. **Behav Brain Res** 1983 Sep;9(3):305–14

Androgen receptor levels in hypothalamic and vocal control nuclei in the male zebra finch. Harding CF, et al. **Brain Res** 1984 Jul 23;306(1–2):333–9

Effects of tegmental lesions on the isolation call of squirrel monkeys. Newman JD, et al. **Brain Res** 1982 Jan 28; 232(2):317–30

Shallow-water propagation of the toadfish mating call. Fine ML, et al. **Comp Biochem Physiol [A]** 1983;76(2):225–31

Hunger and the vocalizations of infant gerbils. McCauley PJ, et al. **Dev Psychobiol** 1984 Mar;17(2):183–9

Ambiguous motoneurons discharging synchronously with ultrasonic vocalization in rats. Yajima Y, et al. **Exp Brain Res** 1983;50(2–3):359–66

Do pup ultrasonic cries provoke prolactin secretion in lactating rats? Stern JM, et al. **Horm Behav** 1984 Mar; 18(1):86–94

Ontogeny and sexual dimorphism of the sonic motor nucleus in the oyster toadfish. Fine ML, et al. **J Comp Neurol** 1984 May 1;225(1):105–10

The anterior cingulate cortex and the phonatory control in monkey and man. von Cramon D, et al. **Neurosci Biobehav Rev** 1983 Fall;7(3):423–5 (20 ref.)

Functional asymmetry of the songbird brain: effects of testosterone on song control in adult female canaries (Serinus canarius). Greenspon JM, et al. **Neurosci Lett** 1983 Oct 31;41(1–2):125–31

Experience-based vocalization of male mice to female chemosignals. Maggio JC, et al. **Physiol Behav** 1983 Sep; 31(3):269–72

Female behavior is affected by male ultrasonic vocalizations in house mice. Pomerantz SM, et al. **Physiol Behav** 1983 Jul;31(1):91–6

[Relation between the defensive behavior of altricial nestlings and the parameters of an alarm signal. Neuroethologic approach] Khaiutin SB, et al. **Zh Vysh Nerv Deiat** 1984 Mar-Apr;34(2):251-8 (Eng. Abstr.) **(Rus)**

[Behavioral reactions of cats to simple models of the acoustic signals of kittens] Movchan VN. **Zh Vysh Nerv Deiat** 1983 Jul-Aug;33(4):752-4 **(Rus)**

VOCATIONAL EDUCATION

Analyzing individualized education programs for vocational components: an exploratory study. Cobb RB, et al. **Except Child** 1983 Sep;50(1):62-4

[School and occupational history of 30 patients with Klinefelter's syndrome. Significance of early diagnosis] Schmid W, et al. **Schweiz Med Wochenschr** 1983 Dec 3; 113(48):1790-4 (Eng. Abstr.) **(Ger)**

[Instructions on hygiene for girls learning fruit and vegetable growing trades] Buzunov VA, et al. **Gig Sanit** 1983 Jul; (7):14-7 (Eng. Abstr.) **(Rus)**

[Hygienic characteristics of polytechnical school work practice in an interschool vocational training center] Dronov IS, et al. **Gig Sanit** 1983 Nov;(11):38-40 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the shaping of occupational stability in students and graduates of vocational technical schools in construction and metal-working fields] Gapon VA, et al. **Gig Sanit** 1984 May;(5):74-6 **(Rus)**

[Health dynamics of students in secondary vocational and technical schools for light industries] Khachatrian LA. **Gig Sanit** 1983 Oct;(10):19-22 (Eng. Abstr.) **(Rus)**

[Method of evaluating the occupationally important qualities guaranteeing success in mastering the mining profession in vocational school pupils] Kharkovenko NM, et al. **Gig Sanit** 1984 Jun;(6):52-3 **(Rus)**

[Threshold sensitivity of the analyzers in adult electric-arc and gas welders and in vocational and technical school students with various degrees of job mastery] Kispaev TA. **Gig Sanit** 1983 Aug;(8):23-5 (10 ref.) (Eng. Abstr.) **(Rus)**

[Psychophysiological functions of vocational and technical school students and of adult electric gas welders with various degrees of job skills] Kispaev TA. **Gig Sanit** 1983 Nov;(11):33-5 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the duration of classes in vocational training centers] Labodaeva ZhP, et al. **Gig Sanit** 1983 Oct; (10):25-8 (Eng. Abstr.) **(Rus)**

[Work capacity indices of the pupils of textile vocational and technical schools as a function of visual acuity] Savel'ev ON, et al. **Gig Sanit** 1983 Nov;(11):92-3 **(Rus)**

[Effect of the intellectual load on the status of higher nervous activity and work capacity of technical school pupils] Vatchenko LG. **Gig Sanit** 1983 Jul;(7):64-8 **(Rus)**

METHODS

Towards a map of general practice. Smith C. **J R Coll Gen Pract** 1983 Dec;33(257):792-8

[Hygienic basis for work training in preschool institutions] Dronov IS, et al. **Gig Sanit** 1983 Aug;(8):26-8 (5 ref.) (Eng. Abstr.) **(Rus)**

STANDARDS

Evaluation of industrial training units for slow learners [news] Rees TL. **Int J Rehabil Res** 1983 Dec;6(4):513-4

VOCATIONAL GUIDANCE

Outplacement service for the nurse executive. Kangery R, et al. **J Nurs Adm** 1984 Jul-Aug;14(7-8):11-5

On using the Vocational Preference Inventory with incarcerated men. Miller MJ, et al. **Psychol Rep** 1984 Jun; 54(3):832-4

[Occupational rehabilitation of psychiatric patients--psychological diagnosis and counseling] Demuth W. **Rehabilitation (Stuttg)** 1984 Feb;23(1):15-8 (Eng. Abstr.) **(Ger)**

[The importance of functional diagnosis for professional guidance of the hard-of-hearing] Horodniceanu S, et al. **Rev Chir [Otorinolaringol]** 1984 Apr-Jun;29(2):143-50 (Eng. Abstr.) **(Rum)**

METHODS

Vocational counseling with learning disabled adults. Hershenson DB. **J Rehabil** 1984 Apr-Jun;50(2):40-4

Vocational evaluation of learning disabled adults. Hursh NC. **J Rehabil** 1984 Apr-Jun;50(2):45-52

Revision of the Reading-Free Vocational Interest Inventory. Becker RL, et al. **Ment Retard** 1983 Aug;21(4):144-9

VOCATIONAL REHABILITATION see **REHABILITATION, VOCATIONAL**

VOCATIONS see **OCCUPATIONS**

VOICE

see related
CRYING

Overpressure and breathiness in spastic dysphonia. An acoustic (LTAS) and perceptual study. Izdebski K. **Acta Otolaryngol (Stockh)** 1984 Mar-Apr;97(3-4):373-8

Study of the mechanism of vocal fold vibration during phonation. Meyer B, et al. **Acta Otolaryngol (Stockh)** 1984 May-Jun;97(5-6):407-14

Relation of selected acoustical parameters and perceptual ratings to voice quality of Down syndrome children. Pentz AL Jr, et al. **Am J Ment Defic** 1983 Sep;88(2):203-10

Voice recognition: effects of orienting task, and a test of blind versus sighted listeners. Winograd E, et al. **Am J Psychol** 1984 Spring;97(1):57-70

Training singing children during the phases of voice mutation. Blatt IM. **Ann Otol Rhinol Laryngol** 1983 Sep-Oct;92(5 Pt 1):462-8

Voice analysis of the partially ablated larynx. A preliminary report. Blaugrund SM, et al. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):311-7

The clinical voice laboratory. Clinical application of voice research. Gould WJ. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):346-50

Voice preservation in pyriform sinus carcinoma by hemicricolaryngopharyngectomy. Krespi YP, et al. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):306-10

Voice preservation in postcricoid and cervical esophageal cancer. Krespi YP, et al. **Arch Otolaryngol** 1984 May; 110(5):323-6

Rehabilitation of a quadriplegic professional singer. Use of a device to provide abdominal muscle support. Sataloff RT, et al. **Arch Otolaryngol** 1984 Oct;110(10):682-5

Methods and empirical issues in analyzing functional misarticulation. Dinnsen DA. **ASHA Monogr** 1984 May; (22):5-17

On the relationship between phonology and learning. Dinnsen DA, et al. **ASHA Monogr** 1984 May;(22):59-68

Phonological processes in articulation intervention. McReynolds LV, et al. **ASHA Monogr** 1984 May;(22):53-8

Procedures for linguistic analysis of misarticulated speech. Maxwell EM, et al. **ASHA Monogr** 1984 May;(22):69-91

Acquisition of the voicing distinction by profoundly hearing-impaired children. Gulian E, et al. **Br J Audiol** 1983 Nov;17(4):233-44

Acoustic cues for the perception of place of articulation in aphasia. Blumstein SE, et al. **Brain Lang** 1984 May; 22(1):128-49

The effects of deep-reaching lesions in the cortical face area on phonation. A combined case report and experimental monkey study. Jürgens U, et al. **Cortex** 1982 Apr; 18(1):125-39

Acoustic and morphologic study of the senescent voice. Mueller PB, et al. **Ear Nose Throat J** 1984 Jun;63(6):292-5

Functioning of the voice mechanism in double-voice Touvinian singing. Dmitriev LB, et al. **Folia Phoniatr (Basel)** 1983;35(5):193-7

Interaction of experimentally elicited auricular cough with voluntary phonation. Geoffrey VC, et al. **Folia Phoniatr (Basel)** 1984;36(1):31-9

Phonographic relationship between pitch and intensity of the human voice. Komiyama S, et al. **Folia Phoniatr (Basel)** 1984;36(1):1-7

Quantitative study of whisper. Monoson P, et al. **Folia Phoniatr (Basel)** 1984;36(2):53-65

Infant vocalization: a longitudinal study of acoustic and temporal parameters. Murry T, et al. **Folia Phoniatr (Basel)** 1983;35(5):245-53

Phoniatric disturbances in patients after partial tongue resection for malignant neoplasms. Pruszewicz A, et al. **Folia Phoniatr (Basel)** 1984;36(2):84-92

Recommendation by the Union of European Phoniatricians (UEP): standardizing voice area measurement/phonetography. Schutte HK, et al. **Folia Phoniatr (Basel)** 1983;35(6):286-8

Sound spectrographic analysis of the voice of patients with glottic carcinomas. Yoon KM, et al. **Folia Phoniatr (Basel)** 1984;36(1):24-30

Duration of sustained phonation in kindergarten children. Harden JR, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar; 7(1):11-9

Otorhinolaryngologic screening of children with vocal quality disturbances. Leeper HA Jr, et al. **Int J Pediatr Otorhinolaryngol** 1980 Jun;2(2):123-31

Spectral analysis of sung vowels. I. Variation due to differences between vowels, singers, and modes of singing. Bloothooft G, et al. **J Acoust Soc Am** 1984 Apr; 75(4):1259-64

Vibratory patterns of the vocal folds during pulse register phonation. Whitehead RL, et al. **J Acoust Soc Am** 1984 Apr;75(4):1293-7

The assessment of values in laryngeal cancer: reliability of measurement methods. Llewellyn-Thomas HA, et al. **J Chronic Dis** 1984;37(4):283-91

An investigation of the relationship between speaking fundamental frequency and vocal quality improvement. Hufnagle J, et al. **J Commun Disord** 1984 Apr;17(2):95-100

Consistency of laryngeal airway resistance in adult women. Leeper HA Jr, et al. **J Commun Disord** 1984 Jun; 17(3):153-63

Frequency characteristics of male and female speakers in the pulse register. Sorensen D, et al. **J Commun Disord** 1984 Feb;17(1):65-73

Directional perturbation factors for jitter and for shimmer. Sorensen D, et al. **J Commun Disord** 1984 Jun;17(3):143-51

Testing witnesses' voice recognition: some practical recommendations. Hammersley RH, et al. **J Forensic Sci Soc** 1983 Jul;23(3):203-8

Phonation by means of various gaseous media. Salimbeni C. **J Laryngol Otol** 1984 Feb;98(2):167-72

Phonatory function following unilateral laser cordectomy. Večerina S, et al. **J Laryngol Otol** 1983 Dec;97(12):1139-44

Surgical alteration of the vocal pitch. Isshiki N, et al. **J Otolaryngol** 1983 Oct;12(5):335-40

Perception of the fundamental frequencies of children's voices by trained and untrained listeners. Wilson FB, et al. **J Otolaryngol** 1983 Oct;12(5):341-4

Prosocial behavior as affected by eye contact, touch, and voice expression. Goldman M, et al. **J Soc Psychol** 1983 Oct;121(1st Half):125-9

Teflon injection in 16 patients with paralytic dysphonia: perceptual and acoustic evaluations. Hammarberg B, et al. **J Speech Hear Disord** 1984 Feb;49(1):72-82

Esophageal insufflation testing in nonlaryngectomized adults. McGarvey SD, et al. **J Speech Hear Disord** 1984 Aug; 49(3):272-7

Prephonatory chest wall posturing in stutterers. Baken RJ, et al. **J Speech Hear Res** 1983 Sep;26(3):444-50

Speech timing of phonologically disordered children: voicing contrast of initial and final stop consonants. Catts HW, et al. **J Speech Hear Res** 1983 Dec;26(4):501-10

Relation between finger reaction time and voice reaction time in stuttering and nonstuttering children and adults. Cross DE, et al. **J Speech Hear Res** 1983 Sep;26(3):356-61

Laryngograph as a measure of vocal fold contact area. Gilbert HR, et al. **J Speech Hear Res** 1984 Jun;27(2):178-82

Analysis of stutterers' voice onset times and fundamental frequency contours during fluency. Healey EC, et al. **J Speech Hear Res** 1984 Jun;27(2):219-25

Auditory and visual feedback of nasalization using a modified accelerometric method. Horii Y, et al. **J Speech Hear Res** 1983 Sep;26(3):472-5

Automatic analysis of voice fundamental frequency and intensity using a visi-pitch. Horii Y. **J Speech Hear Res** 1983 Sep;26(3):467-71

An accelerometric measure as a physical correlate of perceived hypernasality in speech. Horii Y. **J Speech Hear Res** 1983 Sep;26(3):476-80

Formant-frequency differences between isolated whispered and phonated vowel samples produced by adult female subjects. Kallail KJ, et al. **J Speech Hear Res** 1984 Jun; 27(2):245-51

Deaf speakers' laryngeal behavior. Mahshie JJ, et al. **J Speech Hear Res** 1983 Dec;26(4):550-9

Voicing contrasts and their phonological implications in the speech of articulation-disordered children. Smit AB, et al. **J Speech Hear Res** 1983 Dec;26(4):486-500

Vocal and finger reaction times in stutterers and nonstutterers: differences and correlations. Starkweather CW, et al. **J Speech Hear Res** 1984 Jun;27(2):193-6

Chest wall vibrations in singers. Sundberg J. **J Speech Hear Res** 1983 Sep;26(3):329-40

Differences in manner of phonation of infant cries: relationship to communicative context. Franco F. **Lang Speech** 1984 Jan-Mar;27 (Pt 1):59-78

Cinegraphic observations of laryngeal function in Parkinson's disease. Hanson DG, et al. **Laryngoscope** 1984 Mar; 94(3):348-53

The anterior cingulate cortex and the phonatory control in monkey and man. von Cramon D, et al. **Neurosci Biobehav Rev** 1983 Fall;7(3):423-5 (20 ref.)

An acoustic analysis of the effects of surgical therapy on voice quality. Berke GS, et al. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):502-8

Varix of the vocal cord in the professional voice user. Feder RJ. **Otolaryngol Head Neck Surg** 1983 Aug;91(4):435-6

Is quiet whisper harmful to the vocal mechanism? A research note. Hufnagle J, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):735-7

The voice-recognition accuracy of blind listeners. Bull R, et al. **Perception** 1983;12(2):223-6

An ethological perspective on common cross-language utilization of F0 of voice. Ohala JJ. **Phonetica** 1984; 41(1):1-16

Some acoustic aspects of fundamental frequency of CVC utterances in aphasia. Ryalls JH. **Phonetica** 1984; 41(2):103-11

Vocal abnormalities. What listening can tell you. Maragos NE. **Postgrad Med** 1984 Sep 15;76(4):25-7, 30-2, 34

Reliability and validity of an interval measure of vocal stress. Fuller BF. **Psychol Med** 1984 Feb;14(1):159-66

[Phonation pressures in patients with neoglottis phonatoria] Hybášek I, et al. **Cesk Otolaryngol** 1984 Feb;33(1):1-7 (Eng. Abstr.) **(Cze)**

[Long-term average spectrography of speech. Discrimination between the normal voice and the pathological voice] Dejonckere PH, et al. **Acta Otorhinolaryngol Belg** 1983; 37(5):784-95 (Eng. Abstr.) **(Fre)**

[The mechanism of phonation, changes due to the loss of velopalatine substance] Benoist M, et al. **Actual Odontostomatol (Paris)** 1983 Sep;143:439-53 (Eng. Abstr.) **(Fre)**

[Voice and communication of affects] Menahem R. **Annee Psychol** 1983;83(2):537-60 (52 ref.) (Eng. Abstr.) **(Fre)**

[Voice, laryngeal nerves and thyroid surgery. Anatomic and clinical study. Results apropos of a homogeneous series of 378 interventions] Paineau J, et al. **J Chir (Paris)** 1983 Jun-Jul;120(6-7):367-72 (Eng. Abstr.) **(Fre)**

[Reaction of the newborn infant less than 2 hours after birth

to the maternal voice] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(2):125–34 (Eng. Abstr.) (Fre)

[Surgical rehabilitation of the voice following Serafini's, Amatsu's and Staffieri's laryngectomies] Navrátil J. **Acta Univ Palacki Olomuc Fac Med** 1983;105:153–8 (Ger)

[Do vocal stress and vocal habits modify the conclusion of voice change?] Ackermann R. **Folia Phoniatr (Basel)** 1984; 36(3):119–21 (Eng. Abstr.) (Ger)

[Voice quality in relation to its communicativity in patients with laryngeal paralysis] Streubel HG, et al. **Folia Phoniatr (Basel)** 1983;35(5):254–60 (Eng. Abstr.) (Ger)

[Vocal cord paralysis in phoniatric practice] Wendler J, et al. **Folia Phoniatr (Basel)** 1984;36(2):74–83 (Eng. Abstr.) (Ger)

[Evaluation of the voice as a secondary sex characteristic in transsexuals] Martin F, et al. **HNO** 1984 Jan;32(1):24–7 (Eng. Abstr.) (Ger)

[Differentiation of organic and functional voice disorders in slight adduction disorders of the larynx] Schutte HK. **HNO** 1984 Jan;32(1):21–3 (Eng. Abstr.) (Ger)

[The activity of the supraglottal sphincter during phonation] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1983 Sep; 62(9):436–9 (Eng. Abstr.) (Ger)

[Sex differences in the audiomotor control of phonation] Kalveram KT. **Z Exp Angew Psychol** 1984;31(1):39–47 (Eng. Abstr.) (Ger)

[Prosthodontic rehabilitation of phonation and feeding problems in patients with microstomia] Kivovics P, et al. **Fogorv Sz** 1983 Nov;76(11):337–40 (Eng. Abstr.) (Hun)

[Phonation and lubrication of the vocal cord] Fukuda H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan;87(1):126–9 (Jpn)

[Wave-flow index of phonation] Kakita Y. **Nippon Jibiinkoka Gakkai Kaiho** 1983 Sep;86(9):958–65 (Eng. Abstr.) (Jpn)

[Phoniatric evaluation of the vice and speech in patients with surgically created vocal shunt] Tarnowska C. **Ann Acad Med Stetin** 1980;26:435–57 (Eng. Abstr.) (Pol)

[The effect of industrial noise on phonation] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 1983 Jul–Sep;28(3):175–88 (Eng. Abstr.) (Rum)

[Diagnosis of human psychophysiological status based on the pitch of the vowel 'A'] Akinshchikova GI, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):82–3 (Rus)

[Effect of an intrauterine contraceptive device on the singing voice] Chernobel'skil SI. **Vestn Otorinolaringol** 1983 Jul–Aug;(4):67–8 (Rus)

[Vocal nodules: diagnosis, clinical manifestations and treatment] Ibragimova SI, et al. **Vestn Otorinolaringol** 1983 Nov–Dec;(6):44–7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Acoustic parameters of voice and neuroleptic medication. Nevlud GN, et al. **Biol Psychiatry** 1983 Sep;18(9):1081–4

Computer analyses of acoustical parameters in hypopituitary children before and after growth hormone treatment. Hoffman WH, et al. **Int J Pediatr Otorhinolaryngol** 1984 Mar;7(1):1–9

VOICE DISORDERS

Practical techniques of office voice recording. Izdebski K. **Otolaryngol Head Neck Surg** 1983 Dec;91(6):638–42

CHEMICALLY INDUCED

Non-reversible and wide ranging voice changes after treatment with danazol. Wardle PG, et al. **Br Med J [Clin Res]** 1983 Oct 1;287(6397):946

Dosing regimen of budesonide and occurrence of oropharyngeal complications. Toogood JH, et al. **Eur J Respir Dis** 1984 Jan;65(1):35–44

Inhaled steroids and dysphonia [editorial] **Lancet** 1984 Feb 18;1(8373):375–6

Inhaled steroids and dysphonia [letter] Campbell IA. **Lancet** 1984 Mar 31;1(8379):744

Inhaled steroids and dysphonia [letter] Shenoi PM, et al. **Lancet** 1984 Mar 10;1(8376):577

Inhaled steroids and dysphonia [letter] Streeton JA. **Lancet** 1984 Apr 28;1(8383):963

Dysphonia caused by inhaled steroids: recognition of a characteristic laryngeal abnormality [letter] Campbell IA. **Thorax** 1984 Sep;39(9):686

Dysphonia caused by inhaled steroids: recognition of a characteristic laryngeal abnormality. Williams AJ, et al. **Thorax** 1983 Nov;38(11):813–21

[Effects and side effects of hormonal contraceptives in the region of the nose, throat, and ear] Bausch J. **HNO** 1983 Dec;31(12):409–14 (Eng. Abstr.) (Ger)

COMPLICATIONS

Disorders of verbal expression in parkinsonism. Streifler M, et al. **Adv Neurol** 1984;40:385–93

[Laryngeal changes following functional dysphonia] Sopko J. **HNO** 1983 Oct;31(10):335–42 (Eng. Abstr.) (Ger)

DIAGNOSIS

Voice change in the pediatric patient. A differential diagnosis. Cohen SR, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct; 92(5 Pt 1):437–43

Speech and voice parameters of depression: a pilot study. Darby JK, et al. **J Commun Disord** 1984 Apr;17(2):75–85

Laboratory investigation of the abnormal voice. Briant TD, et al. **J Otolaryngol** 1983 Oct;12(5):285–90

Evaluating vocal fold function. Colton RH, et al. **J Otolaryngol** 1983 Oct;12(5):291–4

Acoustic analysis of voice for computerized laryngeal pathology assessment. Cox NB, et al. **J Otolaryngol** 1983 Oct;12(5):295–301

Voice recording and vocal fold photography in the ENT office setting. Gould WJ. **J Otolaryngol** 1983 Oct; 12(5):282–4

Clinical evaluation of functional dysphonia. Monday LA. **J Otolaryngol** 1983 Oct;12(5):307–10

Muscular tension dysphonia. Morrison MD, et al. **J Otolaryngol** 1983 Oct;12(5):302–6

Physical examination of the professional singer. Sataloff RT. **J Otolaryngol** 1983 Oct;12(5):277–81

The present status of adductor spastic dysphonia. Stoicheff ML. **J Otolaryngol** 1983 Oct;12(5):311–4

Perception of the fundamental frequencies of children's voices by trained and untrained listeners. Wilson FB, et al. **J Otolaryngol** 1983 Oct;12(5):341–4

Efficient history taking in professional singers. Sataloff RT. **Laryngoscope** 1984 Aug;94(8):1111–4

[Long-term average spectrography of speech. Discrimination between the normal voice and the pathological voice] Dejonckere PH, et al. **Acta Otorhinolaryngol Belg** 1983; 37(5):784–95 (Eng. Abstr.) (Fre)

[Dysphonia in childhood] Kittel G. **Laryngol Rhinol Otol (Stuttg)** 1984 Apr;63(4):208–11 (Eng. Abstr.) (Ger)

DRUG THERAPY

Spastic dysphonia and essential (voice) tremor treated with primidone. Hartman DE, et al. **Arch Otolaryngol** 1984 Jun; 110(6):394–7

Laryngology applied to singers and actors. Punt NA. **J Laryngol Otol [Suppl]** 1983;6:1–24

ETIOLOGY

Spasmodic dysphonia [letter] Hartman DE, et al. **Ann Intern Med** 1984 Sep;101(3):403

Neurogenic dysphonia. Hartman DE. **Ann Otol Rhinol Laryngol** 1984 Jan–Feb;93(1 Pt 1):57–64

Mechanism of dysphonia in Melkersson–Rosenthal syndrome. Večerina-Volić S, et al. **Folia Phoniatr (Basel)** 1984; 36(3):122–8

Clinical analysis of laryngeal trauma secondary to intubation. Gleeson MJ, et al. **J R Soc Med** 1983 Nov;76(11):928–32

The irradiated larynx and voice: a perceptual study. Stoicheff ML, et al. **J Speech Hear Res** 1983 Dec;26(4):482–5

Noise pollution as factor in voice disorders [editorial] Feder RJ. **Otolaryngol Head Neck Surg** 1983 Oct;91(5):469

[Dysphonia disclosing hyperthyroidism. 2 cases] Guillot M, et al. **J Fr Otorhinolaryngol** 1984 Apr;33(4):169–71 (Fre)

[Dysphonia in known hypothyroidism] Bottero S, et al. **Clin Ter** 1983 Jul 31;106(2):109–11 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

[Familial cases of oculopharyngeal muscular dystrophy. A case] Friol-Vercelletto M, et al. **Rev Otoneuroophtalmol** 1983 Jul–Sep;55(4):329–36 (Eng. Abstr.) (Fre)

OCCURRENCE

Voice disorders without organic diseases of the larynx. A 10-year review of 62 patients. Watanabe Y, et al. **Auris Nasus Larynx** 1983;10 Suppl:S105–10

PATHOLOGY

Anatomic correlation for muscle tension dysphonia. Belisle GM, et al. **J Otolaryngol** 1983 Oct;12(5):319–21

PHYSIOPATHOLOGY

Overpressure and breathiness in spastic dysphonia. An acoustic (LTAS) and perceptual study. Izdebski K. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):373–8

Abnormal parasympathetic vagal function in patients with spasmodic dysphonia. Feldman M, et al. **Ann Intern Med** 1984 Apr;100(4):491–5

Glottographic measurement of vocal dysfunction. A preliminary report. Hanson DG, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):413–20

Quantitative and objective evaluation of vocal cord function. Rontal E, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct; 92(5 Pt 1):421–3

Otorhinolaryngologic screening of children with vocal quality disturbances. Leeper HA Jr, et al. **Int J Pediatr Otorhinolaryngol** 1980 Jun;2(2):123–31

Neuropathology of spasmodic dysphonia [letter] Schaefer SD. **Laryngoscope** 1984 Mar;94(3):414

Vocal abnormalities. What listening can tell you. Maragos NE. **Postgrad Med** 1984 Sep 15;76(4):25–7, 30–2, 34

[Laryngoscopic findings in dysphonia following traumatic midbrain syndrome] Morasch H, et al. **HNO** 1984 Jan; 32(1):13–6 (Eng. Abstr.) (Ger)

[Differentiation of organic and functional voice disorders in slight adduction disorders of the larynx] Schutte HK. **HNO** 1984 Jan;32(1):21–3 (Eng. Abstr.) (Ger)

PREVENTION & CONTROL

The prevention of communication disorders. Marge M. **ASHA** 1984 Aug;26(8):29–33, 37

The professional voice and airline flight [editorial] Feder RJ. **Otolaryngol Head Neck Surg** 1984 Jun;92(3):251–4

[Preventive services in phoniatry and their social and economic effectiveness] Krushevskaia II. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):40–2 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Speech wave aperiodicities at sustained phonation in functional dysphonia. Klingholz F, et al. **Folia Phoniatr (Basel)** 1983;35(6):322–7

REHABILITATION

Development of a voice amplifying device for incapacitated persons. Shannon TM, et al. **Australas Phys Eng Sci Med** 1983 Oct–Dec;6(4):170–3

Cut off from people. Kunze LH. **NC Med J** 1984 Jan; 45(1):31–5

Evaluation and rehabilitation in voice disorders. Feudo P Jr. **Otolaryngol Clin North Am** 1984 Feb;17(1):81–9

Is quiet whisper harmful to the vocal mechanism? A research note. Hufnagle J, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):735–7

[Importance of phoniatrics in rehabilitating patients with functional voice disorders] Lavrova EV, et al. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):55–9 (Eng. Abstr.) (Rus)

[Rehabilitation in disorders of human communication] Corvera-Bernardelli J, et al. **Gac Med Mex** 1983 Nov; 119(11):431–43 (Spa)

SURGERY

Laryngeal nerve crush for spastic dysphonia. Biller HF, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):469

Evaluation and treatment of recurrent spasticity after recurrent laryngeal nerve section. A preliminary report. Dedo HH, et al. **Ann Otol Rhinol Laryngol** 1984 Jul–Aug; 93(4 Pt 1):343–5

Early experiences with vocal ligament tightening. LeJeune FE, et al. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):475–7

Surgical alteration of the vocal pitch. Isshiki N, et al. **J Otolaryngol** 1983 Oct;12(5):335–40

Long-term results in spastic dysphonia [letter] Costenbader WB. **NC Med J** 1984 Jan;45(1):63–4

Surgical therapy for vocal dysfunction. Snow JB Jr. **Otolaryngol Clin North Am** 1984 Feb;17(1):91–100

Procedures for the selection of spastic dysphonia patients for recurrent laryngeal nerve section. Ludlow CL, et al. **Otolaryngol Head Neck Surg** 1984 Feb;92(1):24–31

[Voice care and voice-improving surgery] **Lakartidningen** 1983 Nov 23;80(47):4533–46 (Swe)

THERAPY

Asha interviews: Derald Oldring and Frank Wilson. Oldring D, et al. **ASHA** 1984 Apr;26(4):21–4

An investigation of the relationship between speaking fundamental frequency and vocal quality improvement. Hufnagle J, et al. **J Commun Disord** 1984 Apr;17(2):95–100

Functional voice disorders. A review of 109 patients. Bridger MW, et al. **J Laryngol Otol** 1983 Dec;97(12):1145–8

The voice clinic: an interdisciplinary approach. Rammage LA, et al. **J Otolaryngol** 1983 Oct;12(5):315–8

Teflon injection in 16 patients with paralytic dysphonia: perceptual and acoustic evaluations. Hammarberg B, et al. **J Speech Hear Disord** 1984 Feb;49(1):72–82

Effect of traditional massage on closure insufficiency of glottis in singers. An analysis of 16 cases. Gu LD, et al. **J Tradit Chin Med** 1981 Sep;1(1):67–8

Care of the professional voice. Schechter GL, et al. **Otolaryngol Clin North Am** 1984 Feb;17(1):131–7

[Factors for determining the effectiveness of voice function therapy] Pfau EM. **Folia Phoniatr (Basel)** 1984;36(3):134–44 (Eng. Abstr.) (Ger)

[Activities of the Minsk otorhinolaryngological hospital with regard to the organization of its phoniatric services] Grigor'eva MB, et al. **Vestn Otorinolaringol** 1983 Sep–Oct; (5):51–4 (Eng. Abstr.) (Rus)

VOICE PROSTHESIS see **LARYNX, ARTIFICIAL**

VOICE QUALITY see under **VOICE**

VOICE TRAINING

Training singing children during the phases of voice mutation. Blatt IM. **Ann Otol Rhinol Laryngol** 1983 Sep–Oct;92(5 Pt 1):462–8

Vocal rehabilitation by tracheogastric shunt method after pharyngolaryngoesophagectomy for malignancy. Saito H, et al. **Arch Otorhinolaryngol** 1984;240(1):35–41

An investigation of the relationship between speaking

fundamental frequency and vocal quality improvement. Hufnagle J, et al. **J Commun Disord** 1984 Apr;17(2):95–100
Voice rehabilitation after total laryngectomy. Singer MI, et al. **J Otolaryngol** 1983 Oct;12(5):329–34
Perception of the fundamental frequencies of children's voices by trained and untrained listeners. Wilson FB, et al. **J Otolaryngol** 1983 Oct;12(5):341–4
[Importance of phoniatrics in rehabilitating patients with functional voice disorders] Lavrova EV, et al. **Vestn Otorinolaringol** 1984 Jul–Aug;(4):55–9 (Eng. Abstr.) **(Rus)**

METHODS

[Factors for determining the effectiveness of voice function therapy] Pfau EM. **Folia Phoniatr (Basel)** 1984;36(3):134–44 (Eng. Abstr.) **(Ger)**

VOLATILIZATION

The fluid content of hydrophilic contact lenses on the eye. Høvding G. **Acta Ophthalmol (Copenh)** 1983 Oct; 61(5):889–97
Vaporization of mixed anesthetic liquids. Bruce DL, et al. **Anesthesiology** 1984 Apr;60(4):342–6
An improved method for water vapor detection. Adams T, et al. **Ann Biomed Eng** 1983;11(2):117–29
The efficiency of nebulization treatment with water compared to sodium cromoglycate in reducing upper respiratory infections in children. Varsano I, et al. **Helv Paediatr Acta** 1983 Oct;38(4):335–9
A loop gas sampler for the determination of organic solvent vapors in industrial environments. Niisawa K, et al. **Sangyo Igaku** 1983 Sep;25(5):440–1
[Analysis of nitrogen containing aging–preventive agents in vulcanizing vapors] Schmidt E, et al. **Z Gesamte Hyg** 1983 Aug;29(8):449–52 (Eng. Abstr.) **(Ger)**
[Industrial toxicologic evaluation of vulcanizing vapors with special reference to nitrogen–containing aging–preventive agents] Schmidt E, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):452–6 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Vaporization and vaporizers] Boyer C, et al. **Ann Fr Anesth Reanim** 1984;3(3):XXV–XXXIII **(Fre)**

VOLES see CRICETIDAE

VOLITION

Time of conscious intention to act in relation to onset of cerebral activity (readiness–potential). The unconscious initiation of a freely voluntary act. Libet B, et al. **Brain** 1983 Sep;106 (Pt 3):623–42
Postural changes accompanying voluntary movements. Normal and pathological aspects. Massion J. **Hum Neurobiol** 1984;2(4):261–7
Nonvolition, expectancies, and hypnotic rapport. Lynn SJ, et al. **J Abnorm Psychol** 1984 Aug;93(3):295–303
Effect of threshold loads on voluntary control of slow and rapid inspiratory movements. Folinsbee LJ, et al. **J Appl Physiol** 1983 Nov;55(5):1397–402
Voluntary induced alterations in regional ventilation in normal humans. Sampson MG, et al. **J Appl Physiol** 1984 Jan;56(1):196–201

VOLKMANN CONTRACTURE see COMPARTMENT SYNDROMES

VOLUNTARY HEALTH AGENCIES

A commentary on the Rationale of the Diet–Heart Statement of the American Heart Association. Reiser R. **Am J Clin Nutr** 1984 Sep;40(3):654–8
The Child Accident Prevention Trust. Jackson RH, et al. **Arch Dis Child** 1983 Dec;58(12):1031–3
Action on alcohol abuse. **Br J Addict** 1983 Dec;78(4):337–8
A review of the concerned parent movement in the United States of America. Lindblad RA. **Bull Narc** 1983 Jul–Sep; 35(3):41–52
Reach–to–Recovery Program of the American Cancer Society. Wiesenthal M. **Cancer** 1984 Feb 1;53(3 Suppl):825–7
Optimal resources for examination of the heart and lungs: cardiac catheterization and radiographic facilities. Examination of the Chest and Cardiovascular System Study group. **Circulation** 1983 Oct;68(4):893A–930A
Miscuffing: inappropriate blood pressure cuff application. Manning DM, et al. **Circulation** 1983 Oct;68(4):763–6
Voluntary care for the elderly mentally infirm and their relatives: a British example. Bernard M. **Gerontologist** 1984 Apr;24(2):116–9
Cancer rehabilitation: people investing in people. McLoughlin WJ. **Hosp Pract [Off]** 1984 Jun;19(6):177–83
Colorectal Health Check (CHECK). Wilson JP. **J Med Assoc Ga** 1984 Feb;73(2):97–8
Implications for the voluntary services. Hinton N. **J R Soc Health** 1983 Dec;103(6):215, 219
Starvation and suffering. Meegan M. **Lancet** 1983 Dec 24–31; 2(8365–66):1506
The reality of voluntary effort—a perspective from the developing world. Egbert S. **Lepr India** 1983 Jul;55(3):584
Cancer prevention and control by the American Cancer Society. Goldson A, et al. **Prog Clin Biol Res** 1983; 130:29–35
Effects of peer support: reach to recovery and the mastectomy patient. Rogers TF, et al. **Prog Clin Biol Res** 1984;156:335–51
Colorectal cancer patient rehabilitation and continuing care needs: a preliminary assessment of services provided by a voluntary cancer agency. Stengle WA, et al. **Prog Clin Biol Res** 1983;130:433–42
Survey of services provided by United Cerebral Palsy agencies and the effects of P.L. 94–142 on pre–school handicapped children. Varela JT, et al. **Psychol Rep** 1984 Feb;54(1):183–8
[Meetings of the Swiss Society for Muscular Dystrophy as experienced by a participant] **Soz Praventivmed** 1984; 29(3):151–2 (Eng. Abstr.) **(Fre)**
[Health leagues in the canton of Vaud] Berlie P. **Soz Praventivmed** 1984;29(3):115–8 (Eng. Abstr.) **(Fre)**
[What role are private organizations going to play tomorrow in the field of health?] Martin J. **Soz Praventivmed** 1984; 29(3):109–11 (Eng. Abstr.) **(Fre)**
[An example of partnership cooperation. Cantonal League against Tuberculosis and Lung Diseases/Association 'Das Band'] Michaelis E. **Soz Praventivmed** 1984;29(3):149–50 (Eng. Abstr.) **(Ger)**

HISTORY

St. John Ambulance 1883–1983. Keenan M. **Can Anaesth Soc J** 1983 Sep;30(5):466–8
The Canadian Medic–Alert Foundation. Stevenson AL. **Can Anaesth Soc J** 1983 Nov;30(6):573–4
Early alcoholism treatment: the Emmanuel Movement and Richard Peabody. McCarthy K. **J Stud Alcohol** 1984 Jan; 45(1):59–74

ORGANIZATION & ADMINISTRATION

The Child Accident Prevention Trust. Jackson RH, et al. **Arch Dis Child** 1983 Dec;58(12):1031–3
Building up a new service for the abused child. Zimrin H. **Child Abuse Negl** 1983;7(1):55–60
[The Swiss Health Leagues Conference] Belart W, et al. **Soz Praventivmed** 1984;29(3):119–20 (Eng. Abstr.) **(Ger)**
[Sudden infant death syndrome in Italy. A multidisciplinary approach] Segantini A, et al. **Pediatr Med Chir** 1983 May–Jun;5(3):57–60 (Eng. Abstr.) **(Ita)**

VOLUNTARY STERILIZATION see STERILIZATION, SEXUAL

VOLUNTARY WORKERS

Speech therapists and volunteers–some comments on recent investigations of their effectiveness in the treatment of aphasia: response to T.R. Pring. David R, et al. **Br J Disord Commun** 1983 Sep;18(2):73–7
Speech therapists and volunteers—some comments on recent investigations of their effectiveness in the treatment of aphasia. Pring TR. **Br J Disord Commun** 1983 Sep; 18(2):65–73
Samaritans: amateur lifesavers. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1436–7
Volunteers or pressed men: human subjects in science. Patrick JM. **Ergonomics** 1983 Jul;26(7):637–8
Should a special educator entertain volunteers? Interdependence in rural America. Marrs LW. **Except Child** 1984 Jan;50(4):361–6
Natural helping among older adults. Goodman CC. **Gerontologist** 1984 Apr;24(2):138–43
Volunteer advocates in long–term care: local implementation of a federal mandate. Netting FE, et al. **Gerontologist** 1984 Feb;24(1):13–5
Intergenerational neighborhood networks: a basis for aiding the frail elderly. Pynoos J, et al. **Gerontologist** 1984 Jun; 24(3):233–7
Volunteer community representatives as ombudsmen for the elderly in long–term care facilities. Zischka PC, et al. **Gerontologist** 1984 Feb;24(1):9–12
Retirement prospects [letter] Crace N. **Lancet** 1984 Mar 17; 1(8377):629
The Samaritans and the medical profession. Day GH. **Lancet** 1983 Dec 24–31;2(8365–66):1477–9
The national and international Layman's role in the patient's treatment. Voulis C. **Scand J Haematol [Suppl]** 1984; 40:569–71
The community health volunteer scheme in India: an evaluation. Maru RM. **Soc Sci Med** 1983;17(19):1477–83

EDUCATION

Current status of the nutrition component of community health volunteer scheme in andhra pradesh. Vijayaraghavan K, et al. **Indian J Med Res** 1983 Dec; 78:799–807

PSYCHOLOGY

Hospice volunteers: a recruitment profile. Caty S, et al. **Dimens Health Serv** 1983 Dec;60(12):22–3
Is volunteering a substitute for role loss in old age? An empirical test of activity theory. Chambré SM. **Gerontologist** 1984 Jun;24(3):292–8
Death anxiety, purpose in life and duration of service in hospice volunteers. Amenta MM. **Psychol Rep** 1984 Jun; 54(3):979–84

VOLVULUS see INTESTINAL OBSTRUCTION

VOLVULUS, STOMACH see STOMACH VOLVULUS

VOMER see NASAL SEPTUM

VOMITING

Vestibular–induced vomiting after vestibulocerebellar lesions. Miller AD, et al. **Brain Behav Evol** 1983;23(1–2):26–31

CHEMICALLY INDUCED

Hypnotic desensitization for the management of anticipatory emesis in chemotherapy. Hoffman ML. **Am J Clin Hypn** 1982 Oct–1983 Jan;25(2–3):173–6
Effects of the mechanics of administration on doxorubicin–induced side effects: a case report. Zeltzer L, et al. **Am J Pediatr Hematol Oncol** 1984 Summer;6(2):212–5
Increased vomiting induced by an antiemetic drug. Sinaasappel M, et al. **Arch Dis Child** 1984 Mar;59(3):272–4
Peptide–induced emesis in dogs. Carpenter DO, et al. **Behav Brain Res** 1984 Mar;11(3):277–81
Dopamine receptor supersensitivity and the chemoreceptor trigger zone. Shen WW, et al. **Biol Psychiatry** 1983 Aug; 18(8):917–21
Central nicotinic receptors: vomiting, ear twitching and panting. Beleslin DB, et al. **Brain Res Bull** 1983 Sep; 11(3):299–302
The problem of nausea and vomiting in modern cancer chemotherapy. Durant JR. **CA** 1984 Jan–Feb;34(1):2–6
Mallory–Weiss tear. A complication of cancer chemotherapy. Fishman ML, et al. **Cancer** 1983 Dec 1;52(11):2031–2
Anticipatory nausea and vomiting in an ambulatory medical oncology population. Fetting JH, et al. **Cancer Treat Rep** 1983 Dec;67(12):1093–8
Cisplatin–induced vomiting eliminated by ablation of the area postrema in cats. McCarthy LE, et al. **Cancer Treat Rep** 1984 Feb;68(2):401–4
Contrast agent–induced emesis. Manhire AR, et al. **Clin Radiol** 1984 Sep;35(5):369–70
Behavioral intervention for reducing chemotherapy–related nausea and vomiting in adolescents with cancer. Lebaron S, et al. **J Adolesc Health Care** 1984 Jul;5(3):178–82
Combination metoclopramide and dexamethasone: an effective antiemetic regimen in outpatients receiving non–cisplatin chemotherapy. Strum SB, et al. **J Clin Oncol** 1984 Sep;2(9):1057–63
Nausea and vomiting after isoflurane anesthesia. The influence of preoperative medications. Krechel SW, et al. **Mo Med** 1984 May;81(5):249–52
Acute trazodone poisoning: clinical signs and plasma concentrations. Henry JA, et al. **Psychopathology** 1984;17 Suppl 2:77–81
Formaldehyde toxicity. Part I. Occupational exposure and a report of 5 cases. Solomons K, et al. **S Afr Med J** 1984 Jul 21;66(3):101–2
[New aspects in the antiemetic therapy of cytostatic drug–induced vomiting] Hiller E, et al. **Klin Wochenschr** 1984 May 15;62(10):441–5 (Eng. Abstr.) **(Ger)**
[Prevention of cytostatic–induced vomiting. High–dosage metoclopramide versus an antiemetic combination in a controlled comparison] Ell C, et al. **Med Welt** 1983 Sep 2;34(35):945–8 **(Ger)**
[Nausea and vomiting in tumor patients] Joss R, et al. **Praxis** 1983 Nov 1;72(44):1391–6 (Eng. Abstr.) **(Ger)**
[Emesis due to cytostatic drugs. Update and review of our experiences] Chacón RD, et al. **Medicina (B Aires)** 1983; 43(6 Pt 1):713–20 **(Spa)**

COMPLICATIONS

Complications of hazardous weight–loss methods. Sansone RA. **Am Fam Physician** 1984 Aug;30(2):141–6
Tooth enamel erosion from vomiting treated with an acrylic sealant [letter] Rosenthal P, et al. **Clin Pediatr (Phila)** 1983 Dec;22(12):818
Recurrent retching with gastric mucosal prolapse. A proposed prolapse gastropathy syndrome. Shepherd HA, et al. **Dig Dis Sci** 1984 Feb;29(2):121–8
Dental management of the chronic vomiting patient. Kleier DJ, et al. **J Am Dent Assoc** 1984 Apr;108(4):618–21
Postemetic rupture of herniated cardia of the stomach [letter] James EC. **JAMA** 1984 Jan 27;251(4):471
[A case of hypochloremic alkalosis in a newborn infant] van de Bor M, et al. **Tijdschr Kindergeneeskd** 1984 Feb; 52(1):30–4 (Eng. Abstr.) **(Dut)**
[Extreme malnutrition secondary to a pseudo–Bartter syndrome] Simal Antón A, et al. **Rev Clin Esp** 1984 Apr 15;173(1):65–7 **(Spa)**

DIAGNOSIS

Undiagnosed vomiting in an older woman: unsuspected bulimia. Jonas JM, et al. **Am J Psychiatry** 1984 Jul; 141(7):902–3
The vomiting asthmatic. Schreier L, et al. **Ann Allergy** 1984 Jul;53(1):42–4
Methodology in behavioral and psychosocial cancer research. The assessment of nausea and vomiting. Past problems, current issues and suggestions for future

research. Morrow GR. **Cancer** 1984 May 15;53(10 Suppl):2267–80

The value of urinary chloride measurement in distinguishing surreptitious vomiting from Bartter's syndrome. Ooi TC, et al. **Clin Biochem** 1983 Aug;16(4):263–5

DRUG THERAPY

Intravenous prochlorperazine for the rapid control of vomiting in the emergency department. Ordog GJ, et al. **Ann Emerg Med** 1984 Apr;13(4):253–8

Nausea and vomiting. Clarke RS. **Br J Anaesth** 1984 Jan; 56(1):19–27 (50 ref.)

Antiemetics. Stonham J, et al. **Br J Hosp Med** 1984 May; 31(5):354–9

Randomized crossover study of the antiemetic activity of levonantradol and metoclopramide in cancer patients receiving chemotherapy. Heim ME, et al. **Cancer Chemother Pharmacol** 1984;13(2):123–5

An initial evaluation of Nabilone in the control of radiotherapy-induced nausea and vomiting. Priestman TJ, et al. **Clin Radiol** 1984 Jul;35(4):265–6

Alleviation of chemotherapy induced emesis by oral lorazepam and domperidone. Warde P, et al. **Ir J Med Sci** 1983 Sep;152(9):336–8

Lorazepam: a randomized, double-blind, crossover study of a new antiemetic in patients receiving cytotoxic chemotherapy and prochlorperazine. Bishop JF, et al. **J Clin Oncol** 1984 Jun;2(6):691–5

Chlorpromazine, placebo and droperidol in the treatment of nausea and vomiting associated with cisplatin therapy. Stuart-Harris R, et al. **Postgrad Med J** 1983 Aug; 59(694):500–3

[Effectiveness of alizapride on vomiting in infants and children] Carcassonne M. **Ann Pediatr (Paris)** 1984 Jan; 31(1):71–5 (Eng. Abstr.) **(Fre)**

[Alizapride in a double-blind trial with metoclopramide in nausea and vomiting caused by radiotherapy] Budach V, et al. **Fortschr Med** 1983 Oct 20;101(39):1792–4 (Eng. Abstr.) **(Ger)**

[A marihuana component for nausea and vomiting induced by chemo- and radiotherapy] Gez E, et al. **Harefuah** 1983 Nov 15;105(10):306–8 (Eng. Abstr.) **(Heb)**

[Symptomatic therapy of vomiting in children. Clinical study of a new preparation with anti-emetic activity (Clebopride)] Domenici R, et al. **Minerva Pediatr** 1984 Feb 15;36(3):145–8 (Eng. Abstr.) **(Ita)**

[Metoclopramide and cisplatin (letter)] Grau JJ, et al. **Med Clin (Barc)** 1983 Dec 17;81(20):926 **(Spa)**

ETIOLOGY

Unexplained vomiting: a diagnostic challenge. Malagelada JR, et al. **Ann Intern Med** 1984 Aug;101(2):211–8 (61 ref.)

Vomiting in late pregnancy due to diaphragmatic hernia. Case report. Fardy HJ. **Br J Obstet Gynaecol** 1984 Apr; 91(4):390–2

Anaesthesia and emesis. I: Etiology. Palazzo MG, et al. **Can Anaesth Soc J** 1984 Mar;31(2):178–87 (49 ref.)

Association between malnutrition and caloric intake, emesis, psychological depression, glucose taste, and tumor mass. Bruera E, et al. **Cancer Treat Rep** 1984 Jun;68(6):873–6

Postoperative emesis in vitreoretinal surgical patients. Ehrenberg M, et al. **Graefes Arch Clin Exp Ophthalmol** 1983;221(2):68–9

Chronic vomiting in a case of citrullinaemia detected after treatment by total parenteral nutrition. Benque A, et al. **Gut** 1984 May;25(5):531–3

Nausea and vomiting in pregnancy—a contribution to its epidemiology. Järnfelt-Samsioe A, et al. **Gynecol Obstet Invest** 1983;16(4):221–9

The value of nausea and vomiting due to Ménière's disease—a theory. Longridge NS. **J Otolaryngol** 1983 Dec;12(6):403–4

Barium meal examination of infants under 4 months of age presenting with vomiting. A review of 100 cases. Arthur RJ, et al. **Pediatr Radiol** 1984;14(2):84–6

Holly berry ingestion: case report. Rodrigues TD, et al. **Vet Hum Toxicol** 1984 Apr;26(2):157–8

[Chronic vomiting disclosing pheochromocytoma (letter)] Couzigou P, et al. **Gastroenterol Clin Biol** 1984 Jan; 8(1):88–9 **(Fre)**

[Vomiting: symptom of an epileptic seizure] Tinuper P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1983 Nov; 13(2):168–73 (Eng. Abstr.) **(Fre)**

[Chronic vomiting disclosing a pheochromocytoma] Couzigou P, et al. **Sem Hop Paris** 1983 Nov 3;59(40):2781–3 (Eng. Abstr.) **(Fre)**

[The cause of vomiting in seasickness] Mark H. **Laryngol Rhinol Otol (Stuttg)** 1983 Jul;62(7):317–9 (Eng. Abstr.) **(Ger)**

[Anorexia, nausea and vomiting in cancer patients] Kleeberg UR. **Onkologie** 1984 Feb;7 Suppl 1:19–22 (Eng. Abstr.) **(Ger)**

[Cyclic vomiting as a probable manifestation of epilepsy in children. Description of a case] Felici W, et al. **Minerva Pediatr** 1983 Jun 30;35(12):663–6 (Eng. Abstr.) **(Ita)**

[Causes of vomiting and regurgitation in anesthesiology] Beliakov VA. **Anesteziol Reanimatol** 1983 Jul-Aug; (4):65–70 (82 ref.) **(Rus)**

[Prediction of vomiting in dogs after irradiation with shielding of the middle part of the abdomen] Osokina TF, et al. **Kosm Biol Aviakosm Med** 1983 Sep-Oct;17(5):70–2 (Eng. Abstr.) **(Rus)**

[Duodenogastric reflux in persistent regurgitation and vomiting in infants during the first months of life] Volosnikov DK. **Pediatriia** 1983 Oct;(10):51–2 **(Rus)**

PHYSIOPATHOLOGY

Motion sickness incidence: distribution of time to first emesis and comparison of some complex motion conditions. Burns KC. **Aviat Space Environ Med** 1984 Jun;55(6):521–7

Observations on the connectivity of the parvicellular reticular formation with respect to a vomiting center. Mehler WR. **Brain Behav Evol** 1983;23(1-2):63–80 (66 ref.)

Hyperexcitable state of the brainstem in children with post-traumatic vomiting as evidenced by brainstem auditory-evoked potentials. Hashimoto I, et al. **Neurol Res** 1984 Mar-Jun;6(1-2):81–4

PREVENTION & CONTROL

Reduction of postoperative vomiting in high-risk patients. Fisher MM. **Anaesthesia** 1984 Mar;39(3):279–81

Nausea and vomiting during spinal anaesthesia. Effect of metoclopramide and domperidone: a double-blind trial. Spelina KR, et al. **Anaesthesia** 1984 Feb;39(2):132–7

Prophylactic use of droperidol for control of nausea and vomiting during spinal anesthesia for cesarean section. Santos A, et al. **Anesth Analg** 1984 Jan;63(1):85–7

Dexamethasone as an antiemetic during cancer chemotherapy [letter] Grunwald HW, et al. **Ann Intern Med** 1984 Sep; 101(3):398

Optimizing metoclopramide control of cisplatin-induced emesis. Meyer BR, et al. **Ann Intern Med** 1984 Mar; 100(3):393–5

Antiemetic prophylaxis with high dose metoclopramide or lorazepam in vomiting induced by chemotherapy. Bowcock SJ, et al. **Br Med J [Clin Res]** 1984 Jun 23;288(6434):1879

Anaesthesia and emesis. II: Prevention and management. Palazzo MG, et al. **Can Anaesth Soc J** 1984 Jul;31(4):407–15 (52 ref.)

Intravenous metoclopramide: prevention of chemotherapy-induced nausea and vomiting. A preliminary evaluation. Strum SB, et al. **Cancer** 1984 Mar 15;53(6):1432–9

Antiemetic efficacy of prochlorperazine, haloperidol, and droperidol in cisplatin-induced emesis. Owens NJ, et al. **Clin Pharm** 1984 Mar-Apr;3(2):167–70

Randomized open cross-over trial between metoclopramide (MCP) and dexamethazone (DXM) for the prevention of cisplatin-induced nausea and vomiting. Cognetti F, et al. **Eur J Cancer Clin Oncol** 1984 Feb;20(2):183–7

Altered gastric emptying and prevention of radiation-induced vomiting in dogs. Dubois A, et al. **Gastroenterology** 1984 Mar;86(3):444–8

Antiemetic efficacy of high-dose corticosteroids and droperidol in cisplatin-induced emesis: a controlled trial with droperidol and metoclopramide. Donovitz GS, et al. **Gynecol Oncol** 1984 Jul;18(3):320–5

Adrenocorticotropic hormone in the prevention of cisplatin-induced nausea and vomiting. Colbert N, et al. **J Clin Oncol** 1983 Oct;1(10):635–9

A randomized trial of metoclopramide and a combination of dexamethasone and lorazepam for prevention of chemotherapy-induced vomiting. Gagen M, et al. **J Clin Oncol** 1984 Jun;2(6):696–701

Comparison of the antiemetic effect of high-dose intravenous metoclopramide and high-dose intravenous haloperidol in a randomized double-blind crossover study. Grunberg SM, et al. **J Clin Oncol** 1984 Jul;2(7):782–7

Effective control of chemotherapy-induced nausea and vomiting with oral prednisone and metoclopramide. Senn HJ, et al. **J Clin Oncol** 1984 Apr;2(4):320–2

Paradoxical effects of prophylactic phenothiazine antiemetics in children receiving chemotherapy. Zeltzer L, et al. **J Clin Oncol** 1984 Aug;2(8):930–6

Side effects of metoclopramide as an antiemetic in childhood cancer chemotherapy. Terrin BN, et al. **J Pediatr** 1984 Jan; 104(1):138–40

Antiemetic efficacy of dexamethasone. Randomized, double-blind, crossover study with prochlorperazine in patients receiving cancer chemotherapy. Markman M, et al. **N Engl J Med** 1984 Aug 30;311(9):549–52

Tetrahydrocannabinol vs. prochlorperazine. The effects of two antiemetics on patients undergoing radiotherapy. Ungerleider JT, et al. **Radiology** 1984 Feb;150(2):598–9

[Efficacy of methylprednisolone in the prevention of vomiting due to chemotherapy with platinum salts in a randomized trial (letter)] Breau JL, et al. **Presse Med** 1983 Sep 24;12(33):2058 **(Fre)**

[Transdermal scopolamine for postoperative vomiting: a new form of premedication?] Waldvogel HH. **Anasth Intensivther Notfallmed** 1983 Oct;18(5):258–60 (Eng. Abstr.) **(Ger)**

[Dose-response relationship of intravenous administration of benzquinamide hydrochloride for suppression of cytostatic-induced emesis] Nietsch P. **Arzneimittelforsch** 1983;33(12):1694–5 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Nausea and vomiting in pregnancy. FitzGerald CM. **Br J Med Psychol** 1984 Jun;57 (Pt 2):159–65

A pilot study of lorazepam-induced amnesia with cis-platinum-containing chemotherapy. Semrad NF, et al. **Gynecol Oncol** 1984 Mar;17(3):277–80

Vomiting as a learned weight-control technique in bulimia. Chiodo J, et al. **J Behav Ther Exp Psychiatry** 1983 Jun; 14(2):131–5

Anticipatory nausea and vomiting associated with cancer chemotherapy. Weddington WW, et al. **J Psychosom Res** 1984;28(1):73–7

Control of nausea and vomiting in chemotherapy patients. Four effective behavioral methods. Redd WH. **Postgrad Med** 1984 Apr;75(5):105–7, 110–3

THERAPY

The effectiveness of behavioral intervention for reduction of nausea and vomiting in children and adolescents receiving chemotherapy. Zeltzer L, et al. **J Clin Oncol** 1984 Jun;2(6):683–90

The elimination of ruminative vomiting in a 15-month-old child with gastroesophageal reflux. Madison LS, et al. **J Pediatr Psychol** 1984 Jun;9(2):231–9

Treating children with diarrhoea and vomiting. Bradshaw C. **Practitioner** 1984 Sep;228(1395):834–5

VETERINARY

Vomiting of land planarians (Turbellaria: Tricladida: Terricola) ingested by cats. Winsor L. **Aust Vet J** 1983 Sep;60(9):282–3

Some newer approaches to the treatment of vomiting. Willard MD. **J Am Vet Med Assoc** 1984 Mar 1;184(5):590–2

Vomitoxin in corn fed to young pigs. Young LG, et al. **J Anim Sci** 1983 Sep;57(3):655–64

Differential diagnosis and therapy of vomiting. Twedt DC. **Vet Clin North Am [Small Anim Pract]** 1983 Aug; 13(3):503–20

VON GIERKE'S DISEASE see **GLUCOSEPHOSPHATASE DEFICIENCY**

VON WILLEBRAND FACTOR see under **BLOOD COAGULATION FACTORS**

VON WILLEBRAND'S DISEASE

Clinical aspects of hemophilia and von Willebrand's disease. Ciavarella D, et al. **Am J Med Technol** 1983 Dec; 49(12):850–4

BLOOD

An atypical von Willebrand's disease with hyperreactivity of platelet aggregation. Niiya K, et al. **Acta Haematol (Basel)** 1984;71(3):158–64

Development of an inhibitor specific to factor VIII: coagulant activity in a patient with platelet-type von Willebrand's disease. Castella A, et al. **Am J Clin Pathol** 1983 Nov;80(5):745–9

The effect of DDAVP on plasma levels of von Willebrand antigen II in normal individuals and patients with von Willebrand's disease. McCarroll DR, et al. **Blood** 1984 Mar; 63(3):532–5

Studies of the pathophysiology of acquired von Willebrand's disease in seven patients with lymphoproliferative disorders or benign monoclonal gammopathies. Mannucci PM, et al. **Blood** 1984 Sep;64(3):614–21

Von Willebrand factor multimer patterns in von Willebrand's disease. Hoyer LW, et al. **Br J Haematol** 1983 Nov; 55(3):493–507

von Willebrand factor binds to platelets and induces aggregation in platelet-type but not type IIB von Willebrand disease. Miller JL, et al. **J Clin Invest** 1983 Nov;72(5):1532–42

Decreased platelet adhesion on vessel segments in von Willebrand's disease: a defect in initial platelet attachment. Turitto VT, et al. **J Lab Clin Med** 1983 Oct;102(4):551–64

Shortening of bleeding time by 1-deamino-8-D-arginine vasopressin in various bleeding disorders. Kobrinsky NL, et al. **Lancet** 1984 May 26;1(8387):1145–8

Platelet aggregation induced by DDAVP in platelet-type von Willebrand's disease [letter] Takahashi H, et al. **N Engl J Med** 1984 Mar 15;310(11):722–3

Oozing and bruising: von Willebrand disease and qualitative platelet defect. Stuart JJ, et al. **NC Med J** 1983 Nov; 44(11):715–7

Local fibrinolysis in the oral cavity. Björlin G. **Scand J Haematol [Suppl]** 1984;40:411–6

Von Willebrand's disease: state of the art. Bowie EJ. **Scand J Haematol [Suppl]** 1984;40:431–40

In memory of Erik Jorpes. von Willebrand's disease from 1926–1983. Nilsson IM. **Scand J Haematol [Suppl]** 1984; 40:21–43

Gel filtration patterns of factor VIII coagulant antigen and factor VIII related antigen in normal and von Willebrand's disease. Chediak J, et al. **Thromb Haemost** 1983 Aug 30; 50(2):509–12

Step-by-step analysis of adhesion of human platelets to a collagen-coated surface defect in initial attachment and spreading of platelets in von Willebrand's disease. Leytin VL, et al. **Thromb Res** 1984 Apr 1;34(1):51–63

[Determination of the factor VIII ristocetin cofactor (Willebrand factor) using a semi-quantitative slide test. Preliminary results] Bogaty-Yver J, et al. **Ann Biol Clin (Paris)** 1983;41(5):319–24 (Eng. Abstr.) **(Fre)**

[T-cell subpopulation in male homosexuals and patients with hemophilia and von Willebrand's syndrome] Bergmann L, et al. **MMW** 1983 Dec 2;125(48):1124–8 (Eng. Abstr.) **(Ger)**

[Sugar-chain of factor VIII/von Willebrand factor in von Willebrand's disease. Analysis by immuno-affinoelectrophoresis using lectin] Ueda M, et al. **Nippon Ketsueki Gakkai Zasshi** 1983 Sep;46(5):1117–23 (Eng. Abstr.) **(Jpn)**

[Pathophysiology of platelet anomalies and its analysis. (4). Abnormality of the platelet function in von Willebrand's disease] Yoshioka A, et al. **Rinsho Byori** 1983 Nov; 31(11):1176–85 (31 ref.) **(Jpn)**

[Lactate dehydrogenase activity in the thrombocytes and thrombocytokinetics in children with von Willebrand's disease] Mazurin AV, et al. **Gematol Transfuziol** 1983 Jul; 28(7):26–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Correlation between circulating levels of von Willebrand's antigen II and von Willebrand factor: discrimination between type I and type II von Willebrand's disease. McCarroll DR, et al. **J Lab Clin Med** 1984 May; 103(5):704–11

[Variation of von Willebrand's disease—analysis of 38 cases] Chen Z. **Chung Hua Nei Ko Tsa Chih** 1983 Dec 22(12):767–70 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

Hepatitis, epidemiology and liver function in hemophiliacs in Sweden. Schulman S, et al. **Acta Med Scand** 1984; 215(3):249–56

Smooth muscle cell proliferation in response to endothelial injury in coronary arteries of normal and von Willebrand's disease swine. Lamb MA, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):84–90

Gingival bleeding as a manifestation of von Willebrand's disease. A review of the literature and management. Zakrzewska J. **Br Dent J** 1983 Sep 10;155(5):157–60

An investigation into the frequency of mitral valve prolapse in von Willebrand disease. Kühsel LC, et al. **Clin Genet** 1983 Aug;24(2):128–31

Acquired immunodeficiency syndrome and other possible immunological disorders in European haemophiliacs. Bloom AL. **Lancet** 1984 Jun 30;1(8392):1452–5

Use of HBV vaccine in hemophiliacs. Gazengel C, et al. **Scand J Haematol [Suppl]** 1984;40:323–8

Studies on the pathophysiology and treatment of von Willebrand's disease. VI. Variant von Willebrand's disease complicating placenta previa. Takahashi H. **Thromb Res** 1983 Jul 15;31(2):285–96

Von Willebrand's disease and severe gastrointestinal bleeding. Report of a kindred. Bush RW, et al. **West J Med** 1984 May;140(5):781–3

[4 cases of acquired Willebrand factor deficiency associated with monoclonal dysglobulinemia] Horellou MH, et al. **Ann Med Interne (Paris)** 1983;134(8):707–12 (Eng. Abstr.) **(Fre)**

[Intracranial hemorrhage in von Willebrand's disease.—A case report] Mizoi K, et al. **No Shinkei Geka** 1983 Jun; 11(6):667–71 (Eng. Abstr.) **(Jpn)**

[A case of von Willebrand's disease—successful application of 1-deamino-8-D-arginine vasopressin (DDAVP) to ovarian bleeding] Shiraishi K, et al. **Rinsho Ketsueki** 1983 Dec;24(12):1674–9 (Eng. Abstr.) **(Jpn)**

[The pathology of factor VIII in von Recklinghausen's disease: a new association] Prieto Veiga J, et al. **An Esp Pediatr** 1983 Oct;19(4):303–7 (Eng. Abstr.) **(Spa)**

[Recurrent hemoperitoneum: congenital coagulopathy and endometriosis (letter)] Fernández Llamazares Rodríguez J, et al. **Med Clin (Barc)** 1983 Oct 8;81(10):455–6 **(Spa)**

[Association of von Willebrand's disease and factor IX deficiency in males and females of a family] Liñares Ruiz MS, et al. **Sangre (Barc)** 1983;28(6):782–91 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnostic problems of von Willebrand's disease in a general hospital laboratory. Dahl CJ, et al. **Ann Clin Lab Sci** 1983 Sep–Oct;13(5):371–8

Fetal haemophilia and allied bleeding disorders. Mibashan RS, et al. **Br Med Bull** 1983 Oct;39(4):392–8 (52 ref.)

Gastrointestinal angiodysplasia: a possible component of von Willebrand's disease. Duray PH, et al. **Hum Pathol** 1984 Jun;15(6):539–44

Assay of factor VIII:C with a chromogenic substrate. Rosén S. **Scand J Haematol [Suppl]** 1984;40:139–45

[Von Willebrand's disease in 2 patients] Brkić M, et al. **Srp Arh Celok Lek** 1983 May;111(5):663–8 **(Sec)**

[Laboratory diagnosis of von Willebrand's disease in 52 patients] Mezzano D, et al. **Rev Med Chil** 1983 Nov; 111(11):1139–44 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Desmopressin acetate (DDAVP). Good news [editorial] Kasper CK. **JAMA** 1984 May 18;251(19):2564–5

DDAVP in haemophilia and von Willebrand's disease [editorial] **Lancet** 1983 Oct 1;2(8353):774–5

Desmopressin for hemophilia and other coagulation disorders. **Med Lett Drugs Ther** 1984 Aug 31;26(669):82

1-Deamino-8-D-arginine-vasopressin—an alternative in the management of mild haemophilia A and von Willebrand's disease. Niessner H, et al. **Wien Klin Wochenschr** 1983 Nov 11;95(.1):753–7

[DDAVP: alternative therapy in moderate pathology of Factor VIII/von Willebrand (letter)] Vicente V, et al. **Sangre (Barc)** 1983;28(4):531–2 **(Spa)**

ETIOLOGY

[Acquired Von Willebrand's disease. Apropos of 2 cases] Flechet B, et al. **LARC Med** 1984 Jan;4(1):15–21 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Variations in the hereditary patterns of factor VIII complex in a large kindred: coexistence of hemophilia A with Von Willebrand. Tavori S, et al. **Am J Hematol** 1984 Jul; 17(1):1–9

A variant of von Willebrand's disease characterized by recessive inheritance and missing triplet structure of von Willebrand factor multimers. Mannucci PM, et al. **Blood** 1983 Nov;62(5):1000–5

Variants of von Willebrand's disease. Analysis of 55 cases. Chen Z, et al. **Chin Med J [Engl]** 1984 Mar;97(3):151–4

Linkage analysis in von Willebrand disease. Verp MS, et al. **Clin Genet** 1983 Dec;24(6):434–8

Simultaneous inheritance and expression of classical haemophilia A and type IIA von Willebrand's disease. Beddall AC, et al. **J Clin Pathol** 1984 Sep;37(9):1035–9

A study of a Caucasian family with variant von Willebrand's disease in association with vascular telangiectasia and haemoglobinopathy. Hanna W, et al. **Thromb Haemost** 1984 Apr 30;51(2):275–8

Investigation including VIIIR: AG multimeric analysis of a large kindred with type IIA von Willebrand's disease showing a dominant inheritance and similar gene expression in four generations. Hill FG, et al. **Thromb Haemost** 1983 Oct 31;50(3):735–9

Differences between heterozygous dominant and recessive von Willebrand's disease type I expressed by bleeding symptoms and combinations of factor VIII variables. Wahlberg TB, et al. **Thromb Haemost** 1983 Dec 30; 50(4):864–8

[Detection of carriers of von Willebrand's disease] Rodríguez Fernández JM, et al. **Sangre (Barc)** 1983;28(4):463–75 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

A new variant of dominant type II von Willebrand's disease with aberrant multimeric pattern of factor VIII-related antigen (type IIE). Kinoshita S, et al. **Blood** 1984 Jun; 63(6):1369–71

Antibodies to factor VIII-von Willebrand factor in congenital and acquired von Willebrand's disease. Mannucci PM, et al. **Prog Clin Biol Res** 1984;150:109–22

Circulating immune complexes in haemophilia and von Willebrand's disease. Passaleva A, et al. **Scand J Haematol** 1983 Nov;31(5):466–74

Alteration of T lymphocyte subpopulations in Swedish hemophiliacs. Biberfeld G, et al. **Scand J Haematol [Suppl]** 1984;40:379–82

Factor VIII-related antigen in variant von Willebrand's disease [letter] Weis JW, et al. **Thromb Res** 1984 Feb 15; 33(4):457–9

METABOLISM

Collagen in cerebral aneurysms, mitral valve prolapse, and von Willebrand syndrome [letter] Andrews RJ. **Stroke** 1984 Sep–Oct;15(5):917–8

The interaction between factor VIII clotting antigen and phospholipids in genetic variants of hemophilia and von Willebrand's disease. Kobayashi I, et al. **Thromb Res** 1984 Jul 1;35(1):65–75

OCCURRENCE

Hemophilia in Sweden. Studies on demography of hemophilia and surgery in hemophilia and von Willebrand's disease. Larsson SA. **Acta Med Scand [Suppl]** 1984;684:1–72

Severe von Willebrand's disease: incidence and prevalence [letter] Velez R, et al. **Ann Intern Med** 1984 Mar;100(3):465

Atherosclerosis and von Willebrand factor. I. Prevalence of severe von Willebrand's disease in western Europe and Israel. Mannucci PM, et al. **Br J Haematol** 1984 May; 57(1):163–9

PHYSIOPATHOLOGY

[Correction of hemostasis in surgical interventions on von Willebrand's disease patients] Papaian LP, et al. **Gematol Transfuziol** 1983 Dec;28(12):22–6 (Eng. Abstr.) **(Rus)**

THERAPY

In vivo interaction of von Willebrand factor with platelets following cryoprecipitate transfusion in platelet-type von Willebrand's disease. Miller JL, et al. **Blood** 1984 Jan; 63(1):226–30

Hypnosis as an adjunct in the treatment of von Willebrand's disease. Fung EH, et al. **Int J Clin Exp Hypn** 1983 Oct; 31(4):256–65

Congenital bleeding disorders: hemophilia and von Willebrand's disease. Gill FM. **Med Clin North Am** 1984 May;68(3):601–15 (35 ref.)

Haemophilia and ITP [letter] Gibson J, et al. **Med J Aust** 1984 Jul 7;141(1):71

An in vivo study of a new factor VIII high purity preparation. Thorell L, et al. **Thromb Res** 1983 Jul 15; 31(2):375–85

Effect of circulating immune complexes on transfusional therapy in patients with hemophilia or von Willebrand's disease. Celada A, et al. **Transfusion** 1984 Jan–Feb; 24(1):46–52

VETERINARY

Intercurrent hypothyroidism, autoimmune anemia, and a coagulation deficiency (von Willebrand's disease) in a dog. Romatowski J. **J Am Vet Med Assoc** 1984 Aug 1; 185(3):309–10

VOYEURISM see under **PARAPHILIAS**

VULVA

Omentum presenting at the vulva after a normal labor and delivery. An unusual late complication of induced abortion. Marsden DE. **Acta Obstet Gynecol Scand** 1984;63(3):277–8

ANATOMY & HISTOLOGY

A histological assessment of normal vulval skin. Jones IS. **Clin Exp Dermatol** 1983 Sep;8(5):513–21

INJURIES

Self-mutilation of female genitalia as a cause of vaginal bleeding. Sinha MR. **J Indian Med Assoc** 1983 Sep; 81(5–6):86–7

METABOLISM

Estrogen and progesterone receptors in normal and malignant vulvar tissue. Omsjö IH, et al. **Gynecol Obstet Invest** 1984; 17(6):281–3

MICROBIOLOGY

Cytologic identification of Donovan bodies in granuloma inguinale. de Boer AL, et al. **Acta Cytol (Baltimore)** 1984 Mar–Apr;28(2):126–8

PATHOLOGY

Labial adhesions presenting as urinary incontinence in postmenopausal women. Chuong CJ, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):81S–84S

[Vulvar dystrophies] Borgno G, et al. **Minerva Ginecol** 1983 Nov;35(11):725–8 (Eng. Abstr.) **(Ita)**

[Proposal for conservative therapy of vulvar dystrophy with peridural catheterization] Treves S, et al. **Minerva Ginecol** 1983 Nov;35(11):729–31 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Lymph drainage from the vulva. Iversen T, et al. **Gynecol Oncol** 1983 Oct;16(2):179–89

SURGERY

Plastic surgical postero-lateral redirection extension vulvo-vaginoplasty. Burt JC, et al. **Ann Chir Gynaecol** 1983;72(5):268–73

Sexual function and somatopsychic reactions after vulvectomy. A preliminary report. Moth I, et al. **Dan Med Bull** 1983 Dec;30 Suppl 2:27–30

Radical vulvectomy with warm-knife and open-wound techniques in vulvar malignancies. Simonsen E, et al. **Gynecol Oncol** 1984 Jan;17(1):22–31

Sling operation for total incontinence following radical vulvectomy. Kadar N, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):85S–87S

Pigskin xenograft as biologic dressing in radical vulvectomy. Lifshitz S, et al. **Obstet Gynecol** 1984 Mar;63(3):434–6

Aesthetic vaginal labioplasty. Hodgkinson DJ, et al. **Plast Reconstr Surg** 1984 Sep;74(3):414–6

[Vulvo-perineal surgery] Paniel BJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(1):91–100 (Eng. Abstr.) **(Fre)**

[Reconstruction of the vulva, perineum and perianal region with a myocutaneous flap of the gracilis muscle] Monteiro Júnior AA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):137–40 (Eng. Abstr.) **(Por)**

VULVAR DISEASES

Vulval dystrophies: new approaches. Lavery HA. **Clin Obstet Gynaecol** 1984 Apr;11(1):155–69 (35 ref.)

BLOOD

Serum levels of sex hormones in vulvar lichen sclerosus, and the effect of topical testosterone. Friedrich EG Jr, et al. **N Engl J Med** 1984 Feb 23;310(8):488–91

COMPLICATIONS

Squamous cell carcinoma of the vulva in association with mixed vulvar dystrophy in an 18-year-old girl. Case report. Cario GM, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):87-90

Natural history of cervical epithelial abnormalities in patients with vulval warts. A colposcopic study. Walker PG, et al. **Br J Vener Dis** 1983 Oct;59(5):327-9

[A 60-year-old patient with sialadenitis, pulmonary round foci and vulvar ulcer] Bachmayer K, et al. **Wien Klin Wochenschr** 1984 Apr 13;96(8):289-94 (Eng. Abstr.) (Ger)

DIAGNOSIS

Crohn's disease of the vulva. Kremer M, et al. **Am J Gastroenterol** 1984 May;79(5):376-8

A clinical variant of chancroid resembling granuloma inguinale. Werman BS, et al. **Arch Dermatol** 1983 Nov; 119(11):890-4

Lesions of the vulva. Hall DJ, et al. **J Fam Pract** 1984 Jan; 18(1):129-33

Herpes zoster in the S3 dermatome [letter] Spence GC. **Med J Aust** 1984 Jun 23;140(13):804

DRUG THERAPY

Topical testosterone propionate in the therapy of vulvar dystrophies. Ambrosini A, et al. **Eur J Gynaecol Oncol** 1984;5(1):58-63

[Combined traditional Chinese medicine and western medicine in the classification and treatment of vulval dystrophy--clinical analysis of 101 cases] Wang YF. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):207-8 (Eng. Abstr.) (Chi)

ETIOLOGY

Necrotizing fasciitis of vulvar origin in diabetic patients. Addison WA, et al. **Obstet Gynecol** 1984 Apr;63(4):473-9

FAMILIAL & GENETIC

Genetic aspects of vulvar lichen sclerosus. Friedrich EG Jr, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):161-6

IMMUNOLOGY

HLA tissue typing and chronic vulval dystrophy. Lavery HA, et al. **Br J Obstet Gynaecol** 1984 Jul;91(7):694-6

METABOLISM

Hormone receptors in dystrophic and neoplastic vulvar disease. Preliminary considerations. Becagli L, et al. **Clin Exp Obstet Gynecol** 1983;10(2-3):145-9

Androgen, estrogen and progesterone receptors in vulvar dystrophy. Onnis A, et al. **Clin Exp Obstet Gynecol** 1983; 10(4):159-65

MICROBIOLOGY

Herpes simplex infection [letter] Levenson I. **Arch Dermatol** 1984 May;120(5):576

Recovery of Epstein-Barr virus from genital ulcers. Portnoy J, et al. **N Engl J Med** 1984 Oct 11;311(15):966-8

PATHOLOGY

Bullous pemphigoid of the vulva: a case report. Stage AH, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):169-70

Vulval 'dysplasia'. Ridley CM. **Br J Hosp Med** 1983 Sep; 30(3):158, 161-2, 164-6 (43 ref.)

Warty dyskeratoma of the vulva. Duray PH, et al. **Int J Gynecol Pathol** 1983;2(3):286-93

Melanosis of the vulva. Jackson R. **J Dermatol Surg Oncol** 1984 Feb;10(2):119-21

The vulvar vestibule. Friedrich EG Jr. **J Reprod Med** 1983 Nov;28(11):773-7

SURGERY

Simple vulvectomy in modern gynecology. Cruikshank SH. **Mo Med** 1984 Feb;81(2):78-80, 85

[Hydrocele of the canal of Nuck in a girl] Koike H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Nov; 35(11):2031-3 (Jpn)

THERAPY

Vulvar lesions at risk. Prevention, clinical methodology and therapy. Becagli L, et al. **Clin Exp Obstet Gynecol** 1984; 11(3):96-100

VULVAR NEOPLASMS

[Precancerous conditions and carcinomas of the vulva] **Cesk Gynekol** 1983 Dec;48(10):768-90 (Cze)

[Invasive carcinoma of the vulva: results and considerations on cases from the 1967-1976 decade] Bortolozzi G, et al. **Ann Ostet Ginecol Med Perinat** 1983 May-Jun; 104(3):214-22 (Eng. Abstr.) (Ita)

ANALYSIS

Hormone receptors in dystrophic and neoplastic vulvar disease. Preliminary considerations. Becagli L, et al. **Clin Exp Obstet Gynecol** 1983;10(2-3):145-9

Immunohistochemistry of vulvar neoplasms: a brief review. Nadji M, et al. **Int J Gynecol Pathol** 1984;3(1):41-50 (17 ref.)

CHEMICALLY INDUCED

[Basal cell epithelioma of the vulva in chronic endemic regional arsenic poisoning] Cabrera HN, et al. **Med Cutan Iber Lat Am** 1984;12(2):81-5 (Eng. Abstr.) (Spa)

COMPLICATIONS

Squamous cell carcinoma of the vulva in association with mixed vulvar dystrophy in an 18-year-old girl. Case report. Cario GM, et al. **Br J Obstet Gynaecol** 1984 Jan;91(1):87-90

CONGENITAL

Congenital dysplastic angiopathy (Klippel-Trenaunay-Weber syndrome) with vulvar involvement. A case report. Krebs HB, et al. **J Reprod Med** 1984 Mar;29(3):215-8

DIAGNOSIS

Non-Hodgkin's lymphoma in Bartholin's gland: case report and review of literature. Plouffe L Jr, et al. **Am J Obstet Gynecol** 1984 Mar 1;148(5):608-9

Splenic tissue simulating adrenal mass. Wilson DG, et al. **Clin Nucl Med** 1983 Aug;8(8):371-2

Lesions of the vulva. Hall DJ, et al. **J Fam Pract** 1984 Jan; 18(1):129-33

A solitary neurofibroma of the clitoris masquerading as intersex. Ravikumar VR, et al. **J Pediatr Surg** 1983 Oct; 18(5):617

Merkel cell carcinoma of the vulva. Bottles K, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):61S-65S

[Problems with precancerous conditions and carcinomas of the vulva at the present time] Kaňka J. **Cesk Gynekol** 1983 Dec;48(10):768-74 (Cze)

[Herpes vulvitis] Lammes FB. **Ned Tijdschr Geneeskd** 1983 Aug 27;127(35):1561-3 (Dut)

[Bowen's disease of the vulva and cervix uteri - their interrelation] Walczak L, et al. **Przegl Dermatol** 1982 Sep-Dec;69(5-6):415-21 (Eng. Abstr.) (Pol)

[Extracutaneous malignant melanomas] Slesareva RI, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):22-7 (Eng. Abstr.) (Rus)

DRUG THERAPY

Progression of squamous carcinoma in situ of the vulva to invasive carcinoma after systemic bleomycin therapy. Ostor AG, et al. **Aust NZ J Obstet Gynaecol** 1984 Feb;24(1):55-8

[Zhu-Hong-Jun ointment--a photosensitive substance for the treatment of white lesion of vulva] Yu LF. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jan;19(1):29-31 (Eng. Abstr.) (Chi)

[Chemotherapy of carcinoma of the vulva] Zatočil P, et al. **Cesk Gynekol** 1983 Dec;48(10):785-8 (Cze)

ETIOLOGY

Vulvar carcinoma: natural history. Becagli L, et al. **Eur J Gynaecol Oncol** 1983;4(3):229-33

Incidence of vulvar carcinoma in relation to menstrual, reproductive, and medical factors. Newcomb PA, et al. **JNCI** 1984 Aug;73(2):391-6

Carcinoma of the vulva in two young renal allograft recipients. Caterson RJ, et al. **Transplant Proc** 1984 Apr; 16(2):559-61

METABOLISM

Estrogen and progesterone receptors in normal and malignant vulvar tissue. Omsjö IH, et al. **Gynecol Obstet Invest** 1984; 17(6):281-3

[A newly established melanoma cell line (GAK) with 5-S-cysteinyldopa phenotype] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Jun;36(6):883-92 (Eng. Abstr.) (Jpn)

OCCURRENCE

Parallels in the epidemiology of selected anogenital carcinomas. Peters RK, et al. **JNCI** 1984 Mar;72(3):609-15

PATHOLOGY

Apocrine adenocarcinoma of the vulva with associated Paget's disease. Diagnosis of lymph node metastases by fine needle aspiration biopsy. James LP, et al. **Acta Cytol (Baltimore)** 1984 Mar-Apr;28(2):178-84

Adenoid cystic carcinoma of Bartholin's gland. Case report and review of the literature. Bernstein SG, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):385-90

Granular cell myoblastoma of the vulva. A report of three cases. Vold IN, et al. **Ann Chir Gynaecol** 1984;73(2):104-5

Lactating supernumerary mammary gland tissue in the vulva. Guglielmi P, et al. **Appl Pathol** 1983;1(2):61-5

Combined adenoid cystic and squamous carcinoma of Bartholin's gland. Case report. Webb JB, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):291-5

Vulvar intraepithelial neoplasia (severe atypia and carcinoma in situ). A clinicopathologic analysis of 41 cases. Crum CP, et al. **Cancer** 1984 Oct 1;54(7):1429-34

Epithelioid sarcoma of the vulva. Evidence suggesting a more aggressive behavior than extra-genital epithelioid sarcoma. Ulbright TM, et al. **Cancer** 1983 Oct 15; 52(8):1462-9 (22 ref.)

Microinvasive carcinoma of the vulva. Guaschino S, et al. **Eur J Gynaecol Oncol** 1984;5(2):99-104

Dermatofibrosarcoma protuberans of the vulva. Agress R, et al. **Gynecol Oncol** 1983 Oct;16(2):288-91

Microinvasive squamous carcinoma of the vulva: present status and reassessment. Boice CR, et al. **Gynecol Oncol** 1984 May;18(1):71-6 (13 ref.)

Melanoma of the vulva: an update. Podratz KC, et al. **Gynecol Oncol** 1983 Oct;16(2):153-68

Clinical features of Jewish Israeli patients with squamous cell carcinoma of the vulva. Voliovitch Y, et al. **Isr J Med Sci** 1984 May;20(5):421-5

Multiple basal-cell carcinoma of the vulva. Goldberg DJ. **J Dermatol Surg Oncol** 1984 Aug;10(8):615-7

Microinvasive squamous carcinoma of the vulva. Yoonessi M, et al. **J Surg Oncol** 1983 Dec;24(4):315-21

Adenoid cystic carcinoma of Bartholin's gland. A review of literature and a case report] Sugiyama T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 May; 36(5):829-32

Giant basal cell carcinoma of the vulva. Dudzinski MR, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):57S-60S

Anal involvement by carcinoma in situ of the perineum in women. Schlaerth JB, et al. **Obstet Gynecol** 1984 Sep; 64(3):406-11

Primary carcinoma of the Bartholin gland: a report of ten cases. Wheelock JB, et al. **Obstet Gynecol** 1984 Jun; 63(6):820-4

Microinvasive vulvar squamous carcinoma [letter] Wilkinson EJ. **Obstet Gynecol** 1984 Jun;63(6):865-6

Progression of vulval carcinoma in situ. A case report. Friedman M, et al. **S Afr Med J** 1983 Oct 29;64(19):748-9

[Pathology of tumors of the vulva] Motlik K. **Cesk Gynekol** 1984 May;49(4):277-81 (Cze)

[Granular cell myoblastoma. Review of the literature apropos of 3 cases] Lesoin A, et al. **LARC Med** 1983 Apr;3(4):232-5 (Eng. Abstr.) (Fre)

[Precancerous conditions and pseudocancers] **Hautarzt** 1983; 34 Suppl 6:39-75 (Ger)

[Adenocarcinoma occurring in an aberrant mammary gland located in the vulva] Guercio E, et al. **Minerva Ginecol** 1984 Jun;36(6):315-9 (Eng. Abstr.) (Ita)

[Angiokeratomas. Apropos of 8 cases] Iglesias PM, et al. **Med Cutan Iber Lat Am** 1983;11(5):249-56 (Eng. Abstr.) (Spa)

PSYCHOLOGY

Sexual function and somatopsychic reactions after vulvectomy. A preliminary report. Moth I, et al. **Dan Med Bull** 1983 Dec;30 Suppl 2:27-30

RADIOTHERAPY

Interstitial radiotherapy with Ir192 in vulvar cancer. Carlino G, et al. **Eur J Gynaecol Oncol** 1984;5(3):183-5

Role of radiation therapy in the treatment of advanced vulvar carcinoma. Miyazawa K, et al. **J Reprod Med** 1983 Aug; 28(8):539-41

[Radiotherapy of carcinoma of the vulva] Kubec V, et al. **Cesk Gynekol** 1983 Dec;48(10):780-3 (Cze)

SURGERY

Early invasive carcinoma of the vulva treated with the Mohs technique of microscopically controlled surgery. Siegle RJ, et al. **Am J Obstet Gynecol** 1983 Oct 15;147(4):459-61

Preservation of anal function after total excision of the anal mucosa for Bowen's disease. Reynolds VH, et al. **Ann Surg** 1984 May;199(5):563-8

Pelvic node dissection in the treatment of vulval carcinoma--is it necessary? Monaghan JM, et al. **Br J Obstet Gynaecol** 1984 Mar;91(3):270-4

Carcinoma of the vulva: 11 years of activity reviewed critically (1971-1981). Battaglia GB, et al. **Eur J Gynaecol Oncol** 1984;5(3):180-2

Limb salvage in recurrent vulvar carcinoma after rupture of femoral artery. Deppe G, et al. **Gynecol Oncol** 1984 Sep; 19(1):120-4

Surgical treatment of carcinoma of the clitoris. Eriksson E, et al. **Gynecol Oncol** 1984 Mar;17(3):291-5

Radical vulvectomy with warm-knife and open-wound techniques in vulvar malignancies. Simonsen E, et al. **Gynecol Oncol** 1984 Jan;17(1):22-31

Gracilis myocutaneous flap reconstruction after radical vulvectomy and posterior exenteration. McComas BC, et al. **J Tenn Med Assoc** 1984 Jan;77(1):17-9

Simple vulvectomy in modern gynecology. Cruikshank SH. **Mo Med** 1984 Feb;81(2):78-80, 85

Individualization of treatment for stage I squamous cell vulvar carcinoma. Hacker NF, et al. **Obstet Gynecol** 1984 Feb;63(2):155-62

Pigskin xenograft as biologic dressing in radical vulvectomy. Lifshitz S, et al. **Obstet Gynecol** 1984 Mar;63(3):434-6

[Carcinoma of the external female genitalia--still a vital problem] Koleta F. **Cesk Gynekol** 1983 Dec;48(10):737-9 (Eng. Abstr.) (Cze)

[Surgical treatment of precancerous conditions and carcinomas of the vulva] Macku F, et al. **Cesk Gynekol** 1983 Dec;48(10):774-8 (Cze)

THERAPY

Systemic interferon alpha treatment of human condylomata acuminata. Einhorn N, et al.
Acta Obstet Gynecol Scand 1983;62(3):285–7

Vulvar lesions at risk. Prevention, clinical methodology and therapy. Becagli L, et al. **Clin Exp Obstet Gynecol** 1984; 11(3):96–100

Immunotherapy for vulvar carcinoma with virus–modified homologous extracts. Freedman RS, et al.
Obstet Gynecol 1983 Dec;62(6):707–14

[Treatment of cancer of the vulva] Body G, et al.
J Gynecol Obstet Biol Reprod (Paris) 1983;12(7):683–95 (Eng. Abstr.) **(Fre)**

[Treatment results in malignant tumors of the vulva, a retrospective analysis of 119 cases] Callies R, et al.
Zentralbl Gynakol 1984;106(7):440–55 (Eng. Abstr.) **(Ger)**

[Cancer of Bartholin's gland] Beller U, et al. **Harefuah** 1983 Mar 15;104(6):227–8 (Eng. Abstr.) **(Heb)**

ULTRASTRUCTURE

Plexiform (multinodular) schwannoma. A tumor simulating the plexiform neurofibroma. Woodruff JM, et al.
Am J Surg Pathol 1983 Oct;7(7):691–7

Primary malignant melanoma of the vulva associated with pregnancy: clinical, light and electron microscopic observations. Munemura M, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1983 Dec; 35(12):2404–8

VETERINARY

Attempted transmission and immunotherapy of squamous cell carcinoma of the vulva of ewes. Swan RA, et al.
Aust Vet J 1983 Oct;60(10):314–5

Squamous cell carcinoma of the vulva, hyperkeratosis and papillomaviruses in a ewe. Vanselow BA, et al.
Aust Vet J 1983 Jun;60(6):194–5

Vulvar and vaginal tumors in the dog: a retrospective study. Thacher C, et al. **J Am Vet Med Assoc** 1983 Sep 15; 183(6):690–2

VULVITIS

DRUG THERAPY

[Combined traditional Chinese medicine and western medicine in the treatment of inflammatory diseases in gynecology] Yu ZJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):231–3 **(Chi)**

[Therapeutic effect of T–1982 (cefbuperazone) on the gynecologic infectious diseases] Kuwabara S, et al.
Jpn J Antibiot 1983 May;36(5):994–1004 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Herpes vulvitis] Lammes FB. **Ned Tijdschr Geneeskd** 1983 Aug 27;127(35):1561–3 **(Dut)**

VETERINARY

Investigations into the elimination of ureaplasmas from the uro–genital tract of ewes. Ball HJ, et al. **Br Vet J** 1984 May–Jun;140(3):292–9

VULVOVAGINITIS

[Diagnosis, clinical aspects and therapy of vulvovaginitis in daily medical practice] Kunz J.
Schweiz Rundsch Med Prax 1984 Apr 3;73(14):441–53 (145 ref.) (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Polyarthritis and exanthema in Gardnerella vaginalis vulvovaginitis (letter)] Estivill X, et al. **Med Clin (Barc)** 1984 Apr 28;82(16):738 **(Spa)**

DIAGNOSIS

Vulvovaginitis in children. Fede T.
Clin Exp Obstet Gynecol 1983;10(2–3):118–9

Pediatric vulvovaginitis. Altchek A. **J Reprod Med** 1984 Jun; 29(6):359–75

DRUG THERAPY

[Systemic therapy of vulvovaginal mycoses] Herzog RE.
Gynakol Rundsch 1983;23(4):233–41 **(Ger)**

[Treatment of vulvovaginitis in children and adolescents with metronidazole] Scharp H, et al. **Zentralbl Gynakol** 1984; 106(6):374–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Picture of the month. Vulvovaginitis: a cause of clitorimegaly. Dershwitz RA, et al. **Am J Dis Child** 1984 Sep;138(9):887–8

[Vulvovaginitis in childhood] González–Sánchez J, et al.
Bol Med Hosp Infant Mex 1983 Aug;40(8):461–4 (Eng. Abstr.) **(Spa)**

VETERINARY

Ureaplasma serotypes associated with the bovine urogenital tract. Truscott RB. **Can J Comp Med** 1983 Oct;47(4):471–3

The DNA of an IPV strain of bovid herpesvirus 1 in sacral ganglia during latency after intravaginal infection. Ackermann M, et al. **Vet Microbiol** 1984 Feb;9(1):53–63

VZ VIRUS see **VARICELLA–ZOSTER VIRUS**

WAARDENBURG'S SYNDROME see under **ABNORMALITIES, MULTIPLE**

WAGES see **SALARIES AND FRINGE BENEFITS**

WAITING LISTS see under **APPOINTMENTS AND SCHEDULES**

WAKEFULNESS

CO_2 balance of a heterothermic rodent: comparison of sleep, torpor, and awake states. Bickler PE. **Am J Physiol** 1984 Jan;246(1 Pt 2):R49–55

Ontogenesis of circadian sleep–wakefulness rhythms and developmental changes of sleep in the altricial rat and in the precocial guinea pig. Ibuka N. **Behav Brain Res** 1984 Mar;11(3):185–96

Waking at night: the effect of early feeding experience. Wright P, et al. **Child Care Health Dev** 1983 Nov–Dec; 9(6):309–19

Development of consolidated sleep and wakeful periods in relation to the day/night cycle in infancy. Coons S, et al.
Dev Med Child Neurol 1984 Apr;26(2):169–76

Night waking in 4– to 8–month–old infants. Weissbluth M, et al. **J Pediatr** 1984 Mar;104(3):477–80

Interaction between personal sleep–wake rhythms and psychiatric hospital rest–activity schedule. Floyd JA.
Nurs Res 1984 Sep–Oct;33(5):255–9

A scoring system for states of sleep and wakefulness in term and preterm infants. Stefanski M, et al. **Pediatr Res** 1984 Jan;18(1):58–62

'The Delicious Progress': whiteness as an atavism in Conrad Aiken's 'Silent Snow, Secret Snow'. Lavery DL.
Psychoanal Rev 1983 Summer;70(2):235–9

Properties of human sleep–wake cycles: parameters of internally synchronized free–running rhythms. Wever RA.
Sleep 1984;7(1):27–51

DRUG EFFECTS

Effects of methoxamine, and alpha–1 adrenoceptor agonist, and prazosin, an alpha–1 antagonist, on the stages of the sleep–waking cycle in the cat. Hilakivi I, et al.
Acta Physiol Scand 1984 Mar;120(3):363–72

Elimination and pharmacological effects following single oral doses of 50 and 75 mg of amitriptyline in man. Schulz P, et al. **Arch Psychiatr Nervenkr** 1983;233(6):449–55

Effects of oral and intravenous midazolam, triazolam and flunitrazepam on the sleep–wakefulness cycle of rabbits. Scherschlicht R, et al. **Br J Clin Pharmacol** 1983;16 Suppl 1:29S–35S

Effect of l–tetrahydropalmatine on sleep–waking cycle of cats. Buda C, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Mar;5(1):5–8

Changes in sleep–waking rhythms of rats following a single injection of toluene. Nakagagi K, et al. **Ind Health** 1983; 21(3):165–74

The effects of adenosine and 2'–deoxycoformycin on sleep and wakefulness in rats. Virus RM, et al.
Neuropharmacology 1983 Dec;22(12A):1401–4

Effect of valproic acid treatment on spike–wave discharge patterns during sleep and wakefulness. Burr W, et al.
Neuropsychobiology 1983;10(1):56–9

Drug effects on sleep–wakefulness patterns in dogs. Wauquier A. **Neuropsychobiology** 1983;10(1):60–4

Effect of adrenergic blockers on the dog's sleep–wake pattern. Gordon CR, et al. **Physiol Behav** 1984 Mar; 32(3):345–50

CO_2 and naloxone modify sleep/wake state and activate breathing in the acute fetal lamb preparation. Moss IR, et al. **Respir Physiol** 1984 Mar;55(3):325–40

Daytime sleepiness and antihistamines. Roehrs TA, et al.
Sleep 1984;7(2):137–41

Effect of methylmercury chloride on sleep–waking rhythms in rats. Arito H, et al. **Toxicology** 1983 Nov;28(4):335–45

[Clinical trials of piracetam in anesthesiology and resuscitation] Polívková J, et al. **Rozhl Chir** 1984 Jan; 63(1):47–50 (Eng. Abstr.) **(Cze)**

[French translation of the Stanford Sleepiness Scale and use of this scale of sedation following a single dose of midazolam or amitriptyline] Schulz P, et al.
Agressologie 1983 Sep;24(8):357–9 (Eng. Abstr.) **(Fre)**

[Analysis of the hemodynamic effects of fentanyl in waking cats] Zaitsev AA, et al. **Farmakol Toksikol** 1983 Nov–Dec; 46(6):29–32 (Eng. Abstr.) **(Rus)**

[Changes in the wakefulness–sleep cycle in mice induced by endogenous substances from the tissues of the susliks Citellus parryi and C. undulatus during hibernation] Pastukhov IuF, et al. **Zh Evol Biokhim Fiziol** 1984 May–Jun;20(3):327–30 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Nasal resistance during wakefulness and sleep in normal man. Hudgel DW, et al. **Acta Otolaryngol (Stockh)** 1984 Jul–Aug; 98(1–2):130–5

Conditioned modification of viscerosensory evoked potentials during sleep and wakefulness in cats. Kukorelli T, et al. **Acta Physiol Hung** 1983;61(4):247–58

Rhythmic variations in R–R interval during sleep and wakefulness in puppies and dogs. Haddad GG, et al.
Am J Physiol 1984 Jul;247(1 Pt 2):H67–73

Flurazepam attenuates the arousal response to CO_2 during sleep in normal subjects. Hedemark LL, et al.
Am Rev Respir Dis 1983 Dec;128(6):980–3

Impaired detection of added inspiratory resistance in patients with obstructive sleep apnea. McNicholas WT, et al.
Am Rev Respir Dis 1984 Jan;129(1):45–8

Neonatal food restriction: its effects on the sleep cycles and vigil behavior of adult rats. Salas M, et al.
Bol Estud Med Biol 1983 Jan–Apr;32(5–6):209–15

Effect of ambient temperature on the sleep–walking cycle in two strains of mice. Roussel B, et al. **Brain Res** 1984 Feb 27;294(1):67–73

Total calorimetric measurements in the rat: influences of the sleep–wakefulness cycle and of the environmental temperature. Schmidek WR, et al. **Brain Res** 1983 Dec 12;288(1–2):261–71

Pituitary secretions and wake–sleep cycle. Passouant P.
Cephalalgia 1983 Aug;3 Suppl 1:42–53

Protein synthesis, bodily renewal and the sleep–wake cycle. Adam K, et al. **Clin Sci** 1983 Dec;65(6):561–7 (101 ref.)

Changes in circadian sleep and waking patterns after somatosensory deafferentation in the cat. Bowersox SS, et al. **Electroencephalogr Clin Neurophysiol** 1983 Dec; 56(6):623–7

Study of sleep–wakefulness states by computer graphics and cluster analysis before and after lesions of the pontine tegmentum in the cat. Friedman L, et al.
Electroencephalogr Clin Neurophysiol 1984 Jan:57(1):43–56

Effect of local 5,6–dihydroxytryptamine on the rat olfactory bulb responsiveness during wakefulness and sleep. Gervais R, et al. **Electroencephalogr Clin Neurophysiol** 1984 May; 57(5):462–72

Ultrashort sleep–waking schedule. II. Relationship between ultradian rhythms in sleepability and the REM–non–REM cycles and effects of the circadian phase. Lavie P, et al.
Electroencephalogr Clin Neurophysiol 1984 Jan;57(1):35–42

Cortical visual evoked potentials during the sleep wakefulness cycle of the freely moving cat. Characterization and statistical comparisons. Sigüenza JA, et al. **Electroencephalogr Clin Neurophysiol** 1984 Apr; 59(2):165–71

The structure of wakefulness and its relationship to daytime sleep in narcoleptic patients. Volk S, et al.
Electroencephalogr Clin Neurophysiol 1984 Feb; 57(2):119–28

Postnatal development of spontaneous neuronal discharges in the pontine reticular formation of free–moving rats during sleep and wakefulness. Corner MA, et al.
Exp Brain Res 1984;54(1):66–72

The sleep–wake transition in the oculomotor system. Henn V, et al. **Exp Brain Res** 1984;54(1):166–76

Neuronal activity of the locus ceruleus in awake Macaca arctoides. Grant SJ, et al. **Exp Neurol** 1984 Jun;84(3):701–8

Preoptic area unit activity during sleep and wakefulness in the cat. Kaitin KI. **Exp Neurol** 1984 Feb;83(2):347–57

Activity of serotonin–containing neurons in nucleus centralis superior of freely moving cats. Rasmussen K, et al.
Exp Neurol 1984 Feb;83(2):302–17

Dopamine–containing ventral tegmental area neurons in freely moving cats: activity during the sleep–waking cycle and effects of stress. Trulson ME, et al. **Exp Neurol** 1984 Feb;83(2):367–77

The sleep–wakefulness rhythm, exogenous and endogenous factors (in man). Minors DS, et al. **Experientia** 1984 May 15;40(5):410–6 (48 ref.)

The time course of slow wave sleep and REM sleep in habitual long and short sleepers: effect of prior wakefulness. Benoit O, et al. **Hum Neurobiol** 1983;2(2):91–6

Nocturnal sleep and wakefulness: effects of age and sex in normal sleepers. Bixler EO, et al. **Int J Neurosci** 1984 Mar; 23(1):33–42

Circadian acrophases of powers and frequencies in the waking EEG. Gundel A, et al. **Int J Neurosci** 1983 Dec; 22(1–2):125–33

Individual variations in awakening times, daytime alertness and somnograms as a function of ad libitum extended sleep. Taub JM. **Int J Neurosci** 1983 Nov;21(3–4):237–50

Overall 'gain' of the respiratory control system in normoxic humans awake and asleep. Honda Y, et al.
J Appl Physiol 1983 Nov;55(5):1530–5

Ventilatory response to hypercapnia during sleep and wakefulness in cats. Netick A, et al. **J Appl Physiol** 1984 May;56(5):1347–54

Spinal motoneuronal excitability during wakefulness and non–REM sleep in hyperkinesis. Mercier L, et al.
J Clin Neuropsychol 1983 Dec;5(4):321–36

Dialytrode technology and local profiles of amino acids in the awake cat brain. Delgado JM, et al. **J Neurochem** 1984 May;42(5):1218–28

Lateral geniculate nucleus unitary discharge in sleep and waking: state– and rate–specific aspects. McCarley RW, et al. **J Neurophysiol** 1983 Oct;50(4):798–818

Relationship between the three–hour–period sleep–wakefulness cycle and growth hormone secretion in the immature rat. Kawakami M, et al. **J Physiol (Lond)** 1984 Mar;348:271–83

Failure of high intensity auditory stimuli to affect behavioral arousal in children during the first sleep cycle. Busby K, et al. **Pediatr Res** 1983 Oct;17(10):802–5

Organization of sleeping and waking states in infants: consistency across contexts. Becker PT, et al. **Physiol Behav** 1983 Oct;31(4):405–10

Circadian temperature and wake rhythms of rats exposed to prolonged continuous illumination. Eastman C, et al. **Physiol Behav** 1983 Oct;31(4):417–27

Comparisons of behavioral, motoric and electrical criteria for assessment of sleep–wake states in the rabbit. Zeidner LP, et al. **Physiol Behav** 1983 Sep;31(3):273–8

Similarity of eye movement characteristics in REM sleep and the awake state. Herman JH, et al. **Psychophysiology** 1983 Sep;20(5):537–43

Bilaterally synchronous ultradian EEG rhythms in awake adult humans. Manseau C, et al. **Psychophysiology** 1984 May;21(3):265–73

[Voltammetric detection of extracellular 5-hydroxyindole compounds at the level of cell bodies and the terminals of the raphe system: variations during the wake–sleep cycle in the rat in chronic experiments] Cespuglio R, et al. **C R Seances Acad Sci [III]** 1983;296(13):611–6 (Eng. Abstr.) **(Fre)**

[Unit activity in the ventral tegmental area and the state of focused attention in the normal awake cat] Montaron MF, et al. **C R Seances Acad Sci [III]** 1984;298(8):229–36 (Eng. Abstr.) **(Fre)**

[Specific neurons for wakefulness in the posterior hypothalamus in the cat] Vanni-Mercier G, et al. **C R Seances Acad Sci [III]** 1984;298(7):195–200 (Eng. Abstr.) **(Fre)**

[A classification scale for recovery from anesthesia] Cattaneo AD, et al. **Minerva Anestesiol** 1983 Dec;49(12):695–700 (Eng. Abstr.) **(Ita)**

[Intensity of the blood supply to various organs in aleri cats] Iripkhanov BB, et al. **Fiziol Zh SSSR** 1984 Mar; 70(3):345–50 (Eng. Abstr.) **(Rus)**

[Dynamics of the oxygen tension in the hippocampus and sensorimotor cortex during the wakefulness–sleep cycle] Nikolaishvili LS, et al. **Fiziol Zh SSSR** 1983 Dec; 69(12):1543–8 (Eng. Abstr.) **(Rus)**

[Role of the hypothalamus in organizing the wakefulness–primary sleep cycle in the frog Rana temporaria] Shilling NV, et al. **Zh Evol Biokhim Fiziol** 1984 Mar–Apr;20(2):191–8 (Eng. Abstr.) **(Rus)**

[The wake–sleep cycle in the cat following dorso–pontine lesions] Caballero A. **Rev Esp Fisiol** 1983 Dec;39(4):373–84 (Eng. Abstr.) **(Spa)**

[Statistical analysis of the parameters defining the cortical visual evoked potentials in the phases of the sleep–wake cycle] Sigüenza JA, et al. **Rev Esp Fisiol** 1983 Sep; 39(3):253–8 (Eng. Abstr.) **(Spa)**

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see **PURPURA, HYPERGLOBULINEMIC**

WALDENSTROM'S MACROGLOBULINEMIA see **MACROGLOBULINEMIA**

WALKERS see under **ORTHOPEDIC EQUIPMENT**

WALLENBERG'S SYNDROME see under **CEREBRAL EMBOLISM AND THROMBOSIS**

WALLERIAN DEGENERATION see under **NERVE DEGENERATION**

WALRUS see under **PINNIPEDIA**

WAR

The academia, the pseudo–community, and the army in the development of identity. Rothstein DA. **Adolesc Psychiatry** 1983;11:35–63

War: a personal experience. Mouro G. **Am J Nurs** 1983 Oct; 83(10):1520

Combat adaptations of Vietnam veterans without posttraumatic stress disorders. Hendin H, et al. **Am J Psychiatry** 1984 Aug;141(8):956–9

Isobaric bupivacaine for spinal anaesthesia in acute war injuries. Bion JF. **Anaesthesia** 1984 Jun;39(6):554–9

Infusion analgesia for acute war injuries. A comparison of pentazocine and ketamine. Bion JF. **Anaesthesia** 1984 Jun; 39(6):560–4

Anaesthesia for battle injuries [letter] Simon K, et al. **Anaesthesia** 1984 Apr;39(4):379–80

The Falklands war—triage. Ryan JM. **Ann R Coll Surg Engl** 1984 May;66(3):195–6

Long-range air capability and the South Atlantic Campaign. Nicholson AN. **Aviat Space Environ Med** 1984 Apr; 55(4):269–70

Serial personality evaluations of repatriated U.S. Air Force Southeast Asia POWs. Wheatley RD, et al. **Aviat Space Environ Med** 1982 Mar;53(3):251–7

Prolonged exposure to a war environment and its effects on the blood pressure of pregnant women. Rofé Y, et al. **Br J Med Psychol** 1983 Dec;56 (Pt 4):305–11

Dimensions covers NATO medical evacuation. Staigh D, et al. **Dimens Health Serv** 1984 Jan;61(1):9–11

An alternative: armament or health for all by the year 2000. Eşanu V. **Endocrinologie** 1984 Apr–Jun;22(2):157–8

Neuropsychiatrical implications of the state of war. Voiculescu V. **Endocrinologie** 1983 Jul–Sep;21(3):217–9

Japanese responses to the defeat in World War II. Michio K. **Int J Soc Psychiatry** 1984 Autumn;30(3):178–87

Eye injuries and ocular protection in the Lebanon War, 1982. Belkin M, et al. **Isr J Med Sci** 1984 Apr;20(4):333–8

Primary treatment of battle casualties in the Lebanon War, 1982. Danon YL, et al. **Isr J Med Sci** 1984 Apr;20(4):300–2

Medical services in the Lebanon War, 1982: an overview. Dolev E. **Isr J Med Sci** 1984 Apr;20(4):297–9

Primary health care for a civilian population: the experience of the Israel Defense Forces in southern Lebanon. Eisenberg E, et al. **Isr J Med Sci** 1984 Apr;20(4):355–9

Surgery in the field during the Lebanon War, 1982: doctrine, experience and prospects for future changes. Gasko OD. **Isr J Med Sci** 1984 Apr;20(4):350–4

A new type of mobile dental clinic developed following the Lebanon War, 1982. Gordon M, et al. **Isr J Med Sci** 1984 Apr;20(4):366–8

Treatment of liver trauma in the Lebanon War, 1982. Hashmonai M, et al. **Isr J Med Sci** 1984 Apr;20(4):327–9

Causes of diarrheal disease in soldiers stationed in Lebanon and in northern Israel. Leibovici L, et al. **Isr J Med Sci** 1984 Apr;20(4):364–5

Crush syndrome: experience from the Lebanon War, 1982. Michaelson M, et al. **Isr J Med Sci** 1984 Apr;20(4):305–7

Severe combat eye injuries in the Lebanon War, 1982. Moisseiev J, et al. **Isr J Med Sci** 1984 Apr;20(4):339–44

Medical lessons from the Lebanon War, 1982. **Isr J Med Sci** 1984 Apr;20(4):295–371

Mental health care in the Lebanon War, 1982. Noy S, et al. **Isr J Med Sci** 1984 Apr;20(4):360–3

Medical air evacuation during the Lebanon War, 1982. Noy–Man Y, et al. **Isr J Med Sci** 1984 Apr;20(4):303–4

Acute spinal cord injuries in the Lebanon War, 1982. Ohry A, et al. **Isr J Med Sci** 1984 Apr;20(4):345–9

Pathological evaluation of trauma in fatal casualties of the Lebanon War, 1982. Rogov M. **Isr J Med Sci** 1984 Apr; 20(4):369–71

Diagnostic radiology in wartime. Rosenberger A, et al. **Isr J Med Sci** 1984 Apr;20(4):330–2

Burn injury and prevention in the Lebanon War, 1982. Shafir R, et al. **Isr J Med Sci** 1984 Apr;20(4):311–3

Various approaches to burn care in the Lebanon War, 1982. Shafir R, et al. **Isr J Med Sci** 1984 Apr;20(4):314–9

Hyperbaric oxygen therapy for gas gangrene casualties in the Lebanon War, 1982. Shupak A, et al. **Isr J Med Sci** 1984 Apr;20(4):323–6

External fixation in wartime limb surgery. Zinman C, et al. **Isr J Med Sci** 1984 Apr;20(4):308–10

The occurrence of Japanese trophy skulls in the United States. Bass WM. **J Forensic Sci** 1983 Jul;28(3):800–3

The importance of operational definitions in design of a combat casualty information system. Henderson JV. **J Med Syst** 1983 Oct;7(5):413–26

Medicine in the Falklands. A review of the medical services in the Falkland Islands before and after the war of 1982. Ratcliffe GE, et al. **J R Army Med Corps** 1984 Feb; 130(1):16–9

Human factors and air operations in the South Atlantic campaign: discussion paper. Baird JA, et al. **J R Soc Med** 1983 Nov;76(11):933–7

A short but distant war – the Falklands campaign. Marsh AR. **J R Soc Med** 1983 Nov;76(11):972–82

South Atlantic campaign [editorial] Scott R. **J R Soc Med** 1983 Nov;76(11):903–4

Military science and military surgery: 1984 Fitts lecture, A.A.S.T. Scott R. **J Trauma** 1984 Jul;24(7):553–6

Military casualties [letter] Turk RL. **JAMA** 1984 Jan 27; 251(4):463

Sequelae to arbovirus infections in former Far East prisoners–of–war [letter] Sutton RN, et al. **Lancet** 1984 Jun 2;1(8388):1243–4

An alternative: armament or health for all by the year 2000. Eşanu V. **Med Interne** 1984 Jan–Mar;22(1):77–8

Neuropsychiatric implications of the state of war. Voiculescu V. **Med Interne** 1983 Jul–Sep;21(3):241–3

Lebanese war. **Middle East J Anaesthesiol** 1983 Feb–Jun; 7(1–2):1–161

The summer of 1982. Khuri RN. **Middle East J Anaesthesiol** 1983 Feb–Jun;7(1–2):1–7

One hundred day siege. Shehadi SI, et al. **Middle East J Anaesthesiol** 1983 Feb–Jun;7(1–2):29–39

Anatomy of a hospital in distress—the story of the American University of Beirut Hospital during the Lebanese civil war. Shehadi SI. **Middle East J Anaesthesiol** 1983 Feb–Jun; 7(1–2):21–7

The causes of death in conventional land warfare: implications for combat casualty care research. Bellamy RF. **Milit Med** 1984 Feb;149(2):55–62

Post–traumatic acute renal failure in combat casualties: a historical review. Butkus DE. **Milit Med** 1984 Mar; 149(3):117–24

A note on combat casualty statistics. Bzik KD, et al. **Milit Med** 1984 Apr;149(4):229–30

Battlefield stress: management techniques. Hibler RJ. **Milit Med** 1984 Jan;149(1):5–8

Chronic post–traumatic stress disorders among active duty Vietnam veterans: case reports. Kleiger JH. **Milit Med** 1984 Mar;149(3):159–61

A specific military installation for treatment of combat reactions during the war in Lebanon. Neumann M, et al. **Milit Med** 1984 Apr;149(4):196–9

An alternative: armament or health for all by the year 2000. Eşanu V. **Morphol Embryol (Bucur)** 1984 Apr–Jun; 30(2):153–4

Neuropsychiatrical implications of the state of war. Voiculescu V. **Morphol Embryol (Bucur)** 1983 Oct–Dec; 29(4):283–5

Air sinus wounds: an analysis of 163 consecutive cases incurred in the Korean War, 1950–1952. Arendall RE, et al. **Neurosurgery** 1983 Oct; 13(4):377–80

The ANZAC link in the history of Harefield Hospital, Middlesex, England. Robinson PN. **NZ Med J** 1983 Oct 26;96(742):807

An alternative: armament or health for all by the year 2000. Eşanu V. **Physiologie** 1984 Apr–Jun;21(2):155–6

Neuropsychiatric implications of the state of war. Voiculescu V. **Physiologie** 1983 Oct–Dec;20(4):283–5

Psychiatric effects of the civil war in Lebanon. Nasr S, et al. **Psychiatr J Univ Ottawa** 1983 Dec;8(4):208–12

VA to study twins [news] Holden C. **Science** 1984 Mar 16; 223(4641):1157

An alternative: armament or health for all by the year 2000. Eşanu V. **Virologie** 1983 Oct–Dec;34(4):309–10

Neuropsychiatrical implications of the state of war. Voiculescu V. **Virologie** 1984 Jan–Mar;35(1):77–9

Health belief systems and the psychobiology of war. Elgee NJ. **West J Med** 1984 Jun;140(6):964–8

Rationing and economic constraints on food consumption in Britain since the Second World War. Hollingsworth DF. **World Rev Nutr Diet** 1983;42:191–218

[Sailors during the war: 40 years later. Psychological and social sequelae – a pilot study] Sørensen H, et al. **Ugeskr Laeger** 1983 Nov 21;145(47):3685–8 (Eng. Abstr.) **(Dan)**

[Humanitarian organizations and internal conflicts] **Ann Droit Int Med** 1983;31:49–69 **(Fre)**

[Humanitarian organizations and internal conflicts] Dominice C, et al. **Ann Droit Int Med** 1982–83;30:11–49 **(Fre)**

[Dreams and nightmares of war: a clinical and etiopathogenetic approach to traumatic neuroses] Barrois C. **Ann Med Psychol (Paris)** 1984 Feb;142(2):222–9 **(Fre)**

[War psychiatry in the maritime milieu. Retrospective thoughts] Raoul Y, et al. **Ann Med Psychol (Paris)** 1984 Feb;142(2):229–36 **(Fre)**

[Living conditions in North Rhine Westphalia following World War II. 1. The situation] Sons HU. **Fortschr Med** 1984 Apr 5;102(13):93–5 **(Ger)**

[Living conditions in North Rhine Westphalia following World War II. II. The reaction] Sons HU. **Fortschr Med** 1984 Apr 12;102(14):88–9 **(Ger)**

[Anesthesia in a Field Hospital during the Lebanese conflict] Reddavid M, et al. **Minerva Anestesiol** 1984 Jan–Feb; 50(1–2):27–31 (Eng. Abstr.) **(Ita)**

[Organizational basis for triage of the wounded under present–day conditions] Lobanov GP. **Voen Med Zh** 1984 May;(5):19–25 **(Rus)**

[Organization of division medical stations during mass arrival of wounded in World War II] Voltenko MF, et al. **Voen Med Zh** 1983 Nov;(11):15–8 **(Rus)**

[The Galenic laboratory in medical regions during national defense. Organization and problems] Hranilović A, et al. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):114–9 **(Scr)**

[Problems in the treatment of gunshot wounds in modern warfare] Jovanović Z, et al. **Vojnosanit Pregl** 1983 Jul–Aug; 40(4):247–52 **(Scr)**

[Neurologic and psychiatric problems in modern wars and trends in their solution] Kapor G. **Vojnosanit Pregl** 1984 Mar–Apr;41(2):110–3 **(Scr)**

[The organization of blood supplies, blood products and infusion solutions in health units and institutions of the Yugoslav Army in a war of national defense] Radović M. **Vojnosanit Pregl** 1984 Jan–Feb;41(1):54–7 **(Scr)**

HISTORY

History of the U.S. Army Graves Registration Service (1917–1950s). Eckert WG. **Am J Forensic Med Pathol** 1983 Sep;4(3):231–43

Looking upon the water: In which we return to the Civil War [editorial] Gardner KD Jr. **Am J Kidney Dis** 1984 Sep;4(2):101–2

The California–Arizona Maneuver Area World War II. Some medical and nonmedical notes about this desert training center—1942–1944. Part I. Kennedy JW. **Ariz Med** 1983 Jul;40(7):484–7

The California–Arizona maneuver area, World War II. Some medical and nonmedical notes about this desert training center—1942–1944. Part 3. Kennedy JW. **Ariz Med** 1983 Sep;40(9):642–7

A pilot in the first world war. Bradford Hill A. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1947–9

The silent Chindit mules. Moffett AJ. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1946–7

Discussion of 'George Armstrong Custer and the Battle of the Little Bighorn: homicide or mass suicide' [letter] Rowe WF. **J Forensic Sci** 1984 Jul;29(3):696–9

'Germ warfare' and public health in the Korean conflict. Cowdrey AE. **J Hist Med Allied Sci** 1984 Apr;39(2):153–72

Royal Naval Hospital Haslar 1940–44. Vickers HR. **J R Nav Med Serv** 1984 Summer;70(2):103–9

Doctors in the wars [editorial] Watt J. **J R Soc Med** 1984 Apr;77(4):265–7

Fortieth anniversary of D-Day June 6, 1944, a physician remembers. Beacham EG. **Md State Med J** 1984 Jun; 33(6):450-3

Two veteran nurses of World War I days (Sister Mary MacDonald, Sister Mary Vianney). O'Carrigan C. **Med J Aust** 1984 Jun 23;140(13):782-4

Medicine and the Revolution. Blake JB. **Millit Med** 1984 Apr; 149(4):189-95

Florence Nightingale. Cohen IB. **Sci Am** 1984 Mar; 250(3):128-37

Wound management and medical organization in the Civil War. Greisman HC. **Surg Clin North Am** 1984 Aug; 64(4):625-38

[The 1940 debacle: gathering the mental patients at the Psychiatric Hospital of Auxerre] Scherrer P. **Ann Med Psychol (Paris)** 1984 Feb;142(2):266-70 (Eng. Abstr.) **(Fre)**

[Health service of the 1st Polish Independent Parachute Brigade during the Market-Garden operation--reports of the participants] Rudnicki J. **Arch Hist Med (Warsz)** 1984; 47(1):127-31 (Eng. Abstr.) **(Pol)**

[3 forgotten letters of physicians-participants in the November Uprising] Stembrowicz W. **Arch Hist Med (Warsz)** 1983;46(3):379-83 **(Pol)**

[Contents of preceding issues of Przeglad Lekarski (Medical Review) devoted to medical problems during the Nazi occupation] **Przegl Lek** 1984;41(1):178-202 **(Pol)**

[Reminiscences from the 'sick ward' in Auschwitz] Borkowski W. **Przegl Lek** 1984;41(1):100-8 **(Pol)**

[Thoughts about the Birkenau concentration camp] Chylińska M. **Przegl Lek** 1984;41(1):115-20 **(Pol)**

[Defense mechanisms] Chylińska M. **Przegl Lek** 1984; 41(1):121-6 **(Pol)**

[The Auschwitz dictionary (C-C). A model] Jagoda Z, et al. **Przegl Lek** 1984;41(1):62-7 **(Pol)**

[A few remarks about the K-Z syndrome] Kłodziński S. **Przegl Lek** 1984;41(1):17-21 **(Pol)**

[The subject of medicine during the occupation in Polish publications of the year 1983] Maslowski J. **Przegl Lek** 1984;41(1):159-77 **(Pol)**

[Experiences in the Auschwitz hospital] Sobolewicz T. **Przegl Lek** 1984;41(1):108-10 **(Pol)**

[Prisoners in the kitchen of the Auschwitz concentration camp] Sobolewicz T. **Przegl Lek** 1984;41(1):111-5 **(Pol)**

[Development of hospitals in Auschwitz-Birkenau] Strzelecka I. **Przegl Lek** 1984;41(1):84-8 **(Pol)**

[The first concentration camp hospital in Birkenau] Strzelecka I. **Przegl Lek** 1984;41(1):88-93 **(Pol)**

[The morale of prisoners-conspirators at Auschwitz] Strzelecki A. **Przegl Lek** 1984;41(1):93-6 **(Pol)**

[Health services in the Polish Army during the battle on the Bzura River] Wankiewicz R. **Przegl Lek** 1984; 41(1):68-79 **(Pol)**

[Health services during the uprising in Upper Silesia 1919-1921] Moskwa Z. **Wiad Lek** 1984 Feb 15;37(4):313-20 **(Pol)**

[Where death helps life] Garshin VG. **Arkh Patol** 1984; 46(5):83-8 **(Rus)**

[Health services in Moscow during the Great Patriotic War] Iarovinskii MIa. **Sov Zdravookhr** 1983;(7):63-7 **(Rus)**

[Problems of organizing care for the wounded soldiers of the Red Army in World War II as reported in the newspaper "Pravda] Stegunin SI, et al. **Sov Zdravookhr** 1984; (6):65-7 (Eng. Abstr.) **(Rus)**

[Medics of the 554th Medico-Sanitary Batallion at the Battle of the Dnieper] Babin VP. **Voen Med Zh** 1983 Oct;(10):63-4 **(Rus)**

[Various problems of the preparation and organization of the activities of sanitary-transportation ships during World War II] Baranovskii GIa, et al. **Voen Med Zh** 1984 May; (5):25-8 **(Rus)**

[Characteristics of the medical evacuation of the wounded and sick in the Byelorussian operation] Baranovskii GIa, et al. **Voen Med Zh** 1984 Jul;(7):16-8 **(Rus)**

[Medical provisions for the 25th Order of the Red Banner Guards' Sinel'nikov Infantry Division in the Budapest offensive operation] Bogatyrev MF. **Voen Med Zh** 1983 Oct;(10):64-6 **(Rus)**

[A veteran of World War II speaks... (Viktor Andreevich Bykov)] Borodin V G. **Voen Med Zh** 1984 May;(5):66-9 **(Rus)**

[Evacuation of the wounded and sick by river transport during World War II] Germanov GP. **Voen Med Zh** 1983 Sep;(9):9-11 **(Rus)**

[Medical support of the Byelorussian operation] Iurov IA, et al. **Voen Med Zh** 1984 Jul;(7):8-16 **(Rus)**

[Recognition of the achievements of Soviet medicine by foreign countries during World War II] Krasil'shchik SI. **Voen Med Zh** 1984 May;(5):71-3 **(Rus)**

[Graduates of the Military Medicine Academy during the siege of Leningrad (on its 40th anniversary)] Krasnopeev II. **Voen Med Zh** 1984 Jan;(1):69-71 **(Rus)**

[Scientific research on the problems of traumatic shock during World War II] Mikashkin AG. **Voen Med Zh** 1983 Aug;(8):74-5 **(Rus)**

[Various characteristics of the activities of an independent medical division battalion in mountain-desert areas (preliminary report)] Sidel'nikov AI. **Voen Med Zh** 1983 Aug;(8):20-5 **(Rus)**

[Organization of medical support for the 64th Army during its advance from its Stalingrad position to a new combat operations position] Voitenko MF. **Voen Med Zh** 1984 Feb; (2):69-71 **(Rus)**

[Organization of medical services in the 7th Guard Army in the Belgorod-Kharkov offensive (on the 40th anniversary of the Battle of Kursk)] Voitenko MF. **Voen Med Zh** 1983 Aug;(8):16-20 **(Rus)**

[History of the creation of reserves of medical stores for troop support in case of war (1)] Voronkov OV. **Voen Med Zh** 1984 Feb;(2):72-3 **(Rus)**

[Reminiscences of the Serbian Military Medical Service during the 2d Balkan War in 1913. From the memoirs of Dr. Julije Budisavljević and his colleagues at the Surgical Clinic in Innsbruck] Djordjević SP. **Srp Arh Celok Lek** 1983 Jun;111(6):853-9 **(Scc)**

[Efforts to alleviate shortages and preserve the health services during the battles of Neretva and Sutjeska] Katan E. **Vojnosanit Pregl** 1984 Jan-Feb;41(1):49-53 **(Scr)**

WAR CRIMES

Growing up in the Holocaust culture. Kestenberg JS, et al. **Isr J Psychiatry Relat Sci** 1983;20(1-2):129-46

The meaning of the Holocaust. Klein H. **Isr J Psychiatry Relat Sci** 1983;20(1-2):119-28

A fifty year span--some reflections on Israelis and Germans. Moses R. **Isr J Psychiatry Relat Sci** 1983;20(1-2):155-67

On obstacles to the working through of the Nazi Holocaust experience and on the consequences of failing to do so. Wangh M. **Isr J Psychiatry Relat Sci** 1983;20(1-2):147-54

HISTORY

[Remarks of a physician about the martyrdom of the Polish Jews] Bogusz J. **Przegl Lek** 1984;41(1):54-62 **(Pol)**

[The pathology of work in Auschwitz-Birkenau] Kłodziński S, et al. **Przegl Lek** 1984;41(1):37-54 **(Pol)**

[Fate of mentally ill, handicapped and aged persons in the occupied Bialystok region] Monkiewicz W, et al. **Przegl Lek** 1984;41(1):80-4 **(Pol)**

[Hunger in the concentration camp] Ryn Z, et al. **Przegl Lek** 1984;41(1):21-37 **(Pol)**

WARBURG'S RESPIRATORY ENZYME see **CYTOCHROME OXIDASE**

WARFARIN

Dispositional and pharmacodynamic characteristics of brodifacoum in warfarin-sensitive rats. Bachmann KA, et al. **Pharmacology** 1983;27(5):281-8

[Suicide attempt with coumadin] Heller K, et al. **Harefuah** 1984 Mar 15;106(6):264 (Eng. Abstr.) **(Heb)**

ADMINISTRATION & DOSAGE

Evaluation of anticoagulants in patients with cerebral infarction with slight to moderate neurological deficit. Eriksson SE, et al. **Acta Neurol Scand** 1983 Aug; 68(2):96-106

Complications of dental extractions in patients receiving Warfarin anticoagulant therapy [letter] Schofield JJ. **Br Dent J** 1984 Mar 24;156(6):200

Flexible induction dose regimen for warfarin and prediction of maintenance dose. Fennerty A, et al. **Br Med J [Clin Res]** 1984 Apr 28;288(6426):1268-70

Monitoring effects of oral anticoagulants during treatment with heparin. Thomas P, et al. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):191

Computer assisted management of warfarin treatment. Wilson R, et al. **Br Med J [Clin Res]** 1984 Aug 18;289(6442):422-4

Warfarin maintenance-dose prediction based upon initial anticoagulant response. Gordon BM, et al. **Clin Pharm** 1984 May-Jun;3(3):297-9

Predicting warfarin dosage. Dobrzanski S. **J Clin Hosp Pharm** 1983 Sep;8(3):247-50

[Anticoagulant therapy in kidney diseases, with special reference to the effectiveness of warfarin over a long period] Koyama T, et al. **Nippon Jinzo Gakkai Shi** 1983 Jul;25(7):840-3 **(Jpn)**

ADVERSE EFFECTS

Pulmonary haematoma caused by oral anticoagulant therapy. Report of a case. Colebunders R, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):445-7

Upper airway obstruction complicating warfarin therapy--with a note on reversal of warfarin toxicity. Boster SR, et al. **Ann Emerg Med** 1983 Nov;12(11):711-5

Vocal cord hematomas complicating anticoagulant therapy. Kerr HD, et al. **Ann Emerg Med** 1984 Jul;13(7):552-3

Pelvic hematoma after intercourse while on chronic anticoagulation. Marks DH, et al. **Ann Emerg Med** 1984 Jul;13(7):554-6

Coumarin necrosis associated with hereditary protein C deficiency. McGehee WG, et al. **Ann Intern Med** 1984 Jul; 101(1):59-60

Spontaneous hyphema resulting from warfarin. Koehler MP, et al. **Ann Ophthalmol** 1983 Sep;15(9):858-9

Late-onset, warfarin-caused necrosis occurring in a patient with infectious mononucleosis. Franson TR, et al. **Arch Dermatol** 1984 Jul;120(7):927-31

Concomitant administration of mianserin and warfarin [letter] Warwick HM, et al. **Br J Psychiatry** 1983 Sep;143:308

Potentiation of oral anticoagulants by ketoconazole. Smith AG. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):188-9

Potentiation of oral anticoagulant effect by L-thyroxine. Costigan DC, et al. **Clin Pediatr (Phila)** 1984 Mar; 23(3):172-4

Biphasic interaction of phenytoin with warfarin. Levine M, et al. **Clin Pharm** 1984 Mar-Apr;3(2):200-3

Linear localized coumarin necrosis. Schwartz RA, et al. **Dermatologica** 1984;168(1):31-4

Coumadin-induced skin necrosis. Slutzki S, et al. **Int J Dermatol** 1984 Mar;23(2):117-9

Warfarin embryopathy--a case report. Lamontagne JM, et al. **J Otolaryngol** 1984 Apr;13(2):127-9

Ovarian hemorrhage in ovulating women receiving anticoagulant therapy. A report of two cases. Hill JA, et al. **J Reprod Med** 1984 Mar;29(3):205-8

The risk of thromboembolism and hemorrhage following mitral valve replacement. A comparative analysis between the porcine xenograft valve and Ionescu-Shiley bovine pericardial valve. Gonzalez-Lavin L, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):340-51

Warfarin-induced rectal bleeding as clue to colon cancer [letter] Carey RJ. **Lancet** 1984 Mar 3;1(8375):505-6

Anticoagulant-related hemorrhage in acute cerebral embolism. Shields RW Jr, et al. **Stroke** 1984 May-Jun; 15(3):426-37

[Surgical experience of subacute subdural hematoma occurring during the anticoagulant therapy] Asai Y, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):87-91 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

[Protein binding of drugs studied using continuous ultrafiltration. 5. Effect of S-oxidation on protein binding of methylthio derivatives of warfarin] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 Apr;317(4):294-7 (Eng. Abstr.) **(Ger)**

[Effect of S-oxidation on the anticoagulant action of warfarin thioanalogs] Rehse K, et al. **Arch Pharm (Weinheim)** 1984 Feb;317(2):163-7 (Eng. Abstr.) **(Ger)**

ANALYSIS

A sensitive and specific stable isotope assay for warfarin and its metabolites. Bush ED, et al. **Biomed Mass Spectrom** 1983 Jul;10(7):395-8

Dissolution and ionization of warfarin. Stella VJ, et al. **J Pharm Sci** 1984 Jul;73(7):946-8

ANTAGONISTS & INHIBITORS

Enteral feeds may antagonise warfarin. Watson AJ, et al. **Br Med J [Clin Res]** 1984 Feb 18;288(6416):557

Aminoglutethimide and warfarin. A new important drug interaction. Lønning PE, et al. **Cancer Chemother Pharmacol** 1984;12(1):10-2

[Can occupational exposure to solvents decrease the effect of anticoagulants?] Lindberg E, et al. **Lakartidningen** 1984 Jan 18;81(3):110 **(Swe)**

BLOOD

Direct quantitative determinations by multiple metastable peak monitoring. 1--Warfarin in plasma. Davies NW, et al. **Biomed Mass Spectrom** 1983 Dec;10(12):646-51

Interaction between warfarin and propranolol. Scott AK, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:86S

Study of binding of warfarin to serum albumins by high-performance liquid chromatography. Sun SF, et al. **J Chromatogr** 1984 Apr 24;288(2):377-88

Effect of diltiazem on warfarin plasma protein binding. Mungall DR, et al. **J Clin Pharmacol** 1984 May-Jun; 24(5-6):264-6

Stereospecific high-performance liquid chromatographic analysis of warfarin in plasma. Banfield C, et al. **J Pharm Sci** 1983 Aug;72(8):921-4

Plasma protein binding of warfarin: methodological considerations. Mungall D, et al. **J Pharm Sci** 1984 Jul; 73(7):1000-1

Serum protein binding of diazepam, desmethyldiazepam, furosemide, indomethacin, warfarin, and phenobarbital in human fetus, mother, and newborn infant. Nau H, et al. **Pediatr Pharmacol (New York)** 1983;3(3-4):219-27

ISOLATION & PURIFICATION

The ratsbane and the vitamin. Jukes TH. **J Appl Biochem** 1983 Dec;5(6):369-70

METABOLISM

Warfarin resistance with nafcillin therapy. Qureshi GD, et al. **Ann Intern Med** 1984 Apr;100(4):527-9

Warfarin-miconazole interaction [letter] Long E. **Arch Intern Med** 1983 Nov;143(11):2214-5

Analysis of the mechanism of the magnesium effect on the warfarin-albumin interaction. van der Giesen WF, et al. **Biochem Pharmacol** 1984 May 15;33(10):1679-81

Phenylbutazone-warfarin interaction in man: further stereochemical and metabolic considerations. Banfield C, et al. **Br J Clin Pharmacol** 1983 Dec;16(6):669-75

The effect of beta-adrenoceptor antagonists on the pharmacokinetics and pharmacodynamics of warfarin. Bax ND, et al. **Br J Clin Pharmacol** 1984;17 Suppl 1:85S

Decreased oral warfarin clearance after ranitidine and cimetidine. Desmond PV, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):338-41

Effect of late pregnancy on salicylate, diazepam, warfarin, and propranolol binding: use of fluorescent probes. Yoshikawa T, et al. **Clin Pharmacol Ther** 1984 Aug; 36(2):201–8

Composition of cytochrome P-450 isozymes from hepatic microsomes of C57BL/6 and DBA/2 mice assessed by warfarin metabolism, immunoinhibition, and immunoelectrophoresis with anti-(rat cytochrome P-450). Kaminsky LS, et al. **Eur J Biochem** 1984 May 15; 141(1):141–8

Changes in the pharmacology of warfarin during long-term administration in dogs. Covell DG, et al. **J Lab Clin Med** 1984 Feb;103(2):272–83

The preferred solution conformation of warfarin at the active site of cytochrome P-450 based on the CD spectra in octanol/water model system. Heimark LD, et al. **J Med Chem** 1984 Aug;27(8):1092–5

Influence of sodium ion-pair formation on transport kinetics of warfarin through octanol-impregnated membranes. Cools AA, et al. **J Pharm Pharmacol** 1983 Oct; 35(10):689–91

Salivary excretion of warfarin in rabbits: relationship between pharmacological effect and salivary pharmacokinetics of warfarin in rabbits. Sakai K, et al. **J Pharmacobiodyn** 1983 Dec;6(12):991–9

The effect of erythromycin on the disposition kinetics of warfarin. Bachmann K, et al. **Pharmacology** 1984; 28(3):171–6

PHARMACODYNAMICS

Effect of warfarin on ATP content, viability, glycosylation and protein synthesis in isolated rat hepatocytes. Gjerde H, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 May; 54(5):385–8

Influenza vaccination and warfarin anticoagulation. Lipsky BA, et al. **Ann Intern Med** 1984 Jun;100(6):835–7

Solubilization and characterization of vitamin K epoxide reductase from normal and warfarin-resistant rat liver microsomes. Hildebrandt EF, et al. **Arch Biochem Biophys** 1984 Feb 1;228(2):480–92

Comparative interaction of cimetidine and ranitidine with racemic warfarin in man. O'Reilly RA. **Arch Intern Med** 1984 May;144(5):989–91

Inhibition by warfarin of liver microsomal vitamin K-reductase in warfarin-resistant and susceptible rats. MacNicoll AD, et al. **Biochem Pharmacol** 1984 Apr 15; 33(8):1331–6

Binding of clometacin to human serum albumin. Interactions with clofibrate, indomethacin, salicylic acid and warfarin. Zini R, et al. **Biochem Pharmacol** 1983 Oct 1;32(19):2909–14

Warfarin inhibition of vitamin K 2,3-epoxide reductase in rat liver microsomes. Fasco MJ, et al. **Biochemistry** 1983 Nov 22;22(24):5655–60

The effect of beta-adrenoceptor antagonists on the pharmacokinetics and pharmacodynamics of warfarin after a single dose. Bax ND, et al. **Br J Clin Pharmacol** 1984 May;17(5):553–7

Interaction between warfarin and propranolol. Scott AK, et al. **Br J Clin Pharmacol** 1984 May;17(5):559–64

Effect of coumadin-induced coagulopoietin plasma on vitamin K-dependent carboxylation of liver microsomes. Karpatkin S, et al. **Br J Haematol** 1983 Dec;55(4):673–82

Effect of oxaprozin on the steady-state anticoagulant activity of warfarin. Davis LJ, et al. **Clin Pharm** 1984 May-Jun; 3(3):295–7

Effect of influenza vaccine on warfarin anticoagulation. Kramer P, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):416–8

Beta-hydroxyaspartic acid in vitamin K-dependent plasma proteins from scorbutic and warfarin-treated guinea pigs. Stenflo J, et al. **FEBS Lett** 1984 Mar 26;168(2):287–92

Resorption of implanted bone prepared from normal and warfarin-treated rats. Lian JB, et al. **J Clin Invest** 1984 Apr;73(4):1223–6

Wound healing following dental extractions in rabbits: effects of tranexamic acid, warfarin anti-coagulation, and socket packing. Vinckier F, et al. **J Dent Res** 1984 May; 63(5):646–9

Formation of 3-hydroxy-2,3-dihydrovitamin K1 in vivo: relationship to vitamin K epoxide reductase and warfarin resistance. Preusch PC, et al. **J Nutr** 1984 May; 114(5):902–10

Effect of digoxin on plasma clearance and anticoagulant effect of warfarin in rats. Ogiso T, et al. **J Pharmacobiodyn** 1984 Mar;7(3):186–94

Effects of sodium warfarin and sodium heparin plus anticancer agents on growth of rat C6 glioma cells. McNiel NO, et al. **JNCI** 1984 Jul;73(1):169–76

Warfarin. From bedside to bench. Wessler S, et al. **N Engl J Med** 1984 Sep 6;311(10):645–52

Conversion of vitamin K epoxide to hydroxyvitamin K by liver microsomes from warfarin-resistant rats. **Nutr Rev** 1983 Aug;41(8):253–4 (5 ref.)

[Effect of the degree of anticoagulation on the plasma levels of beta-thromboglobulin in patients with heart valve prostheses treated with warfarin] Russo R, et al. **Minerva Cardioangiol** 1984 Jun;32(6):387–91 (Eng. Abstr.) **(Ita)**

POISONING

Warfarin and the grey squirrel. Chambers CM, et al. **Arch Toxicol [Suppl]** 1983;6:214–21

Rat bait poisoning in a boxer [letter] Edlin J. **Vet Rec** 1982 Feb 6;110(6):136

THERAPEUTIC USE

Accrual of patients into a multihospital cancer clinical trial and its implications on planning future studies. Martin JF, et al. **Am J Clin Oncol** 1984 Apr;7(2):173–82

Prospective trial of warfarin and dipyridamole in patients with membranoproliferative glomerulonephritis. Zimmerman SW, et al. **Am J Med** 1983 Dec;75(6):920–7

The influence of prophylactic antibiotics on the warfarin anticoagulation response in the postoperative prosthetic cardiac valve patient. Cefamandole versus vancomycin. Angaran DM, et al. **Ann Surg** 1984 Jan;199(1):107–11

Comparison of the native prothrombin antigen and the prothrombin time for monitoring oral anticoagulant therapy. Furie B, et al. **Blood** 1984 Aug;64(2):445–51

Warfarin anticoagulant therapy [letter] Bailey BM, et al. **Br Dent J** 1984 May 5;156(9):310

Complications of dental extractions in patients receiving warfarin anticoagulant therapy. A controlled clinical trial. Bailey BM, et al. **Br Dent J** 1983 Nov 5;155(9):308–10

Warfarin anticoagulant therapy [letter] Poller L, et al. **Br Dent J** 1984 Mar 10;156(5):158

Decrease in protein C antigen and formation of an abnormal protein soon after starting oral anticoagulant therapy. Viganò S, et al. **Br J Haematol** 1984 Jun;57(2):213–20

Mianserin and warfarin [letter] Shelley RK. **Br J Psychiatry** 1984 Jul;145:97–8

Effect of warfarin anticoagulation on survival in carcinoma of the lung, colon, head and neck, and prostate. Final report of VA Cooperative Study 75. Zacharski LR, et al. **Cancer** 1984 May 15;53(10):2046–52

Warfarin, etoposide, and vindesine interactions [letter] Ward K, et al. **Cancer Treat Rep** 1984 May;68(5):817–8

Treatment of delayed radiation necrosis of the brain. A clinical observation. Rizzoli HV, et al. **J Neurosurg** 1984 Mar;60(3):589–94

A cost-effectiveness analysis of alternative approaches for long-term treatment of proximal venous thrombosis. Hull RD, et al. **JAMA** 1984 Jul 13;252(2):235–9

Warfarin. From bedside to bench. Wessler S, et al. **N Engl J Med** 1984 Sep 6;311(10):645–52

The effect of dipyridamole and warfarin on the patency rate of coronary artery bypass grafts. Harjola PT, et al. **Thorac Cardiovasc Surg** 1983 Dec;31(6):374–6

Protective effect of warfarin in arterial thrombosis: evidence from a vascular prosthesis model in rats. Reyers I, et al. **Thromb Haemost** 1983 Dec 30;50(4):821–3

[Case of polycythemia vera associated with myocardial infarction and cerebral thrombosis and treated by anticoagulant therapy] Sawada K, et al. **Rinsho Ketsueki** 1983 Feb;24(2):191–6 (Eng. Abstr.) **(Jpn)**

[Chest pain, dyspnea and hemoptysis during postoperative anticoagulant therapy following thrombectomy of the lower limb vein] Hadama T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):516–8 (Eng. Abstr.) **(Jpn)**

TOXICITY

Modification of the effects of aflatoxin B1 and warfarin in young pigs given selenium. Davila JC, et al. **Am J Vet Res** 1983 Oct;44(10):1877–83

WARTHIN TUMOR see ADENOLYMPHOMA

WARTS

see related

PAPILLOMA

[Comparative study of the incidence of recurrence of the common wart. Surgical removal and follow-up treatment with and without polyvidon-iodine ointment] Putz FJ, et al. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1460–1 **(Ger)**

COMPLICATIONS

Genital warts and cervical neoplasia: an epidemiological study. Franceschi S, et al. **Br J Cancer** 1983 Nov; 48(5):621–8

Natural history of cervical epithelial abnormalities in patients with vulval warts. A colposcopic study. Walker PG, et al. **Br J Vener Dis** 1983 Oct;59(5):327–9

Warts and cervical cancer [letter] Rebora A, et al. **Br Med J [Clin Res]** 1984 May 26;288(6430):1615

Eruptive seborrhoeic warts with gastric adenocarcinoma. Coburn PR, et al. **J R Soc Med** 1984 Mar;77(3):245–6

Systemic lupus erythematosus complicated with pulmonary thromboembolism originating from verrucae of Libman-Sacks endocarditis. Yamabe H, et al. **Nippon Jinzo Gakkai Shi** 1984 Mar;26(3):323–31

DIAGNOSIS

[Clinical and histological characteristics of the changes induced by HPV 4 (human papilloma virus)] Obalek S, et al. **Przegl Dermatol** 1982 Sep-Dec;69(5–6):341–6 (Eng. Abstr.) **(Pol)**

[Clinical and histological characteristics of the changes induced by human papilloma virus (HPV 7)] Obalek S, et al. **Przegl Dermatol** 1982 Sep-Dec;69(5–6):347–51 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Wart treatment with anthralin. Flindt-Hansen H, et al. **Acta Derm Venereol (Stockh)** 1984;64(2):177–9

Nail dystrophy following intralesional injections of bleomycin for a periungual wart. Miller RA. **Arch Dermatol** 1984 Jul;120(7):963–4

The treatment of resistant warts with intralesional bleomycin: a controlled clinical trial. Bunney MH, et al. **Br J Dermatol** 1984 Aug;111(2):197–207

Does acyclovir have an adjunctive role in plantar wart therapy? [letter] Pechman KJ. **Cleve Clin Q** 1983 Summer; 50(2):213

Verrucae vulgares and acyclovir ointment [letter] Hurwitz RM. **Cutis** 1984 Jul;34(1):84, 86

Treatment of naevi and warts by topical chemotherapy with Solcoderm. Burri P. **Dermatologica** 1984;168 Suppl 1:52–7

Locally injected bleomycin in the treatment of warts. Munkvad M, et al. **Dermatologica** 1983;167(2):86–9

Use of dinitrochlorobenzene (DNCB) in therapy of warts [letter] Dunagin WG. **J Am Acad Dermatol** 1984 Jun; 10(6):1069–71

Treatment of resistant warts with topical corticosteroids and occlusion. Sullivan TM. **J Am Podiatry Assoc** 1984 Mar; 74(3):141–3

Bleomycin and periungual warts [letter] Abbott L. **Med J Aust** 1984 Sep 1;141(5):311

Bleomycin and periungual warts [letter] Czarnecki D. **Med J Aust** 1984 Jul 7;141(1):40

Warts—miracle cure? [letter] Sexton RA. **Med J Aust** 1983 Nov 12;2(10):514

[Lewandosky-Lutz verruciformis epidermodysplasia. Immunologic study and treatment with the aromatic retinoid Ro 10-9359] Graifemberghi S, et al. **G Ital Dermatol Venereol** 1982 May-Jun;117(3):191–4 (Eng. Abstr.) **(Ita)**

[Use of high-dose lysozyme in the treatment of herpes zoster and flat warts] Cavicchini S. **Minerva Med** 1984 Mar 10; 75(9–10):457–62 (Eng. Abstr.) **(Ita)**

[Local treatment of viral warts with bleomycin] Wereide K. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):158–9 (Eng. Abstr.) **(Nor)**

[Common warts and bleomycin. Report of 100 cases] Ramírez O. **Med Cutan Iber Lat Am** 1983;11(5):337–42 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Condyloma acuminatum in Rochester, Minn, 1950–1978. II. Anaplasias and unfavorable outcomes. Chuang TY, et al. **Arch Dermatol** 1984 Apr;120(4):476–83

Genital wart virus infections: nuisance or potentially lethal? [editorial] Singer A, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):735–7

Warts as a presenting sign in acanthosis nigricans. Misch KJ, et al. **Clin Exp Dermatol** 1983 Nov;8(6):651–6

IMMUNOLOGY

Papillomavirus common antigens. Papillomavirus antigen in verruca, benign papillomatous lesions, trichilemmoma, and bowenoid papulosis: an immunoperoxidase study. Penneys NS, et al. **Arch Dermatol** 1984 Jul;120(7):859–61

Comparative investigation of epidermal markers on cells freshly isolated from from normal and wart epidermis. Chardonnet Y, et al. **Arch Dermatol Res** 1984;276(4):246–9

Thymus derived lymphocytes (T cells) in patients with genital warts. Mohanty KC, et al. **Br J Vener Dis** 1984 Jun;60(3):186–8

Regression phenomenon of numerous flat warts—an experiment on the nature of tumor immunity in man. Tagami H. **Int J Dermatol** 1983 Dec;22(10):570–1

Inverted follicular keratosis and verruca vulgaris. An investigation for the papillomavirus common antigen. Mehregan AH, et al. **J Cutan Pathol** 1984 Apr;11(2):99–102

Immunoperoxidase localization of papillomavirus antigen in cutaneous warts and bowenoid papulosis. Braun L, et al. **J Med Virol** 1983;12(3):187–93

Immunopathology of papillomavirus-induced tumors in different tissues. Jablonska S, et al. **Springer Semin Immunopathol** 1982;5(1):33–53 (82 ref.)

Immunopathology of papillomavirus-induced warts and skin cancers in immunodepressed and immunosuppressed patients. Lutzner MA. **Springer Semin Immunopathol** 1982; 5(1):53–62 (27 ref.)

[Lymphocyte function in patients with plane warts—lymphocyte transformation and ConA-induced suppressor cell activity] Hayashi R. **Nippon Hifuka Gakkai Zasshi** 1983 Nov;93(12):1311–7 **(Jpn)**

METABOLISM

Failure to detect beta 2 microglobulin in viral warts. Furue M, et al. **J Dermatol (Tokyo)** 1983 Oct;10(5):455–9

MICROBIOLOGY

Correlation between content of viral DNA and evidence of mature virus particles in HPV-1, HPV-4, and HPV-6 induced virus acanthomata. Grussendorf-Conen EI, et al. **J Invest Dermatol** 1983 Dec;81(6):511–3

Human papillomaviruses associated with epidermodysplasia verruciformis. II. Molecular cloning and biochemical characterization of human papillomavirus 3a, 8, 10, and

12 genomes. Kremsdorf D, et al. **J Virol** 1983 Nov; 48(2):340–51

Human papillomavirus type 16 and early cervical neoplasia. Crum CP, et al. **N Engl J Med** 1984 Apr 5;310(14):880–3

[Papillomavirus—a subject for research with renewed interest] Pettersson U. **Lakartidningen** 1983 Nov 23; 80(47):4527–9 **(Swe)**

OCCURRENCE

Cancer, warts, and sunshine in renal transplant patients. A case–control study. Boyle J, et al. **Lancet** 1984 Mar 31; 1(8379):702–5

History of genital warts in a selected population [letter] Daling JR, et al. **Lancet** 1984 Jan 21;1(8369):157–8

The prevalence of warts on the hands of workers in a New Zealand slaughterhouse. Jennings LC, et al. **NZ Med J** 1984 Jul 25;97(760):473–6

PATHOLOGY

Inverted follicular keratosis is a distinct follicular tumor. Mehregan AH. **Am J Dermatopathol** 1983 Oct;5(5):467–70

Inverted follicular keratosis. A morbus sui generis? Moehlenbeck FW. **Am J Dermatopathol** 1983 Oct; 5(5):471–2

Most inverted follicular keratoses are probably verrucal vulgares. Yanoff M. **Am J Dermatopathol** 1983 Oct;5(5):475

Genital warts and cervical cancer. V. The tissue basis of colposcopic change. Reid R, et al. **Am J Obstet Gynecol** 1984 Jun 1;149(3):293–303

Genital warts and cervical cancer. VI. The relationship between aneuploid and polyploid cervical lesions. Reid R, et al. **Am J Obstet Gynecol** 1984 Sep 15;150(2):189–99

Genital warts and cervical cancer. III. Subclinical papillomaviral infection and cervical neoplasia are linked by a spectrum of continuous morphologic and biologic change. Reid R, et al. **Cancer** 1984 Feb 15;53(4):943–53

Focal oral warty dyskeratoma. Kaugars GE, et al. **Int J Dermatol** 1984 Mar;23(2):123–30

[Carcinoma cuniculatum. A rare warty tumor of the skin erroneously diagnosed] Rosman N, et al. **Ugeskr Laeger** 1983 Oct 31;145(44):3415–6 (Eng. Abstr.) **(Dan)**

[Lewandowsky–Lutz epidermodysplasia verruciformis. Considerations on 2 cases in adults] Bertani E, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct;118(5):305–10 (Eng. Abstr.) **(Ita)**

[Epidermodysplasia verruciformis in 2 Syrian brothers] Veronesi S, et al. **G Ital Dermatol Venereol** 1983 Sep–Oct; 118(5):297–300 (Eng. Abstr.) **(Ita)**

SURGERY

Carbon dioxide laser treatment of cervical warty atypias. Evans AS, et al. **Gynecol Oncol** 1984 Mar;17(3):296–300

Carbon dioxide laser treatment of verrucae vulgares. McBurney EI, et al. **J Dermatol Surg Oncol** 1984 Jan; 10(1):45–8

[5–Fluorouracil therapy following curettage of warts] Kaufmann R, et al. **Hautarzt** 1983 Oct;34(10):504–6 (Eng. Abstr.) **(Ger)**

THERAPY

A comparison of acyclovir cream versus placebo cream versus liquid nitrogen in the treatment of viral plantar warts. Gibson JR, et al. **Dermatologica** 1984;168(4):178–81

Interferon in the treatment of persistent viral warts. Gibson JR, et al. **Dermatologica** 1984;169(1):47–8

Solcoderm as a tool for the plastic surgeon. The treatment of verrucae. Hettich R. **Dermatologica** 1984;168 Suppl 1:36–42

Intralesional human fibroblast interferon in common warts. Niimura M. **J Dermatol (Tokyo)** 1983 Jun;10(3):217–20

Warts. Burton CS, et al. **NC Med J** 1983 Nov;44(11):730

VETERINARY

Papillomaviruses with unusual restriction endonuclease profiles from bovine skin warts. Spradbrow PB, et al. **Aust Vet J** 1983 Aug;60(8):259–60

WASP VENOMS see under **BEE VENOMS**

WASPS see under **HYMENOPTERA**

WASSERMANN REACTION

Postmortem diagnosis of syphilitic aortitis, including serological verification on postmortem blood. Gormsen H. **Forensic Sci Int** 1984 Jan;24(1):51–6

[Diagnosis and therapy of newborn infants of mothers with the so-called positive Wassermann reaction] Ringelmann R, et al. **Immun Infekt** 1983 May;11(3):99–103 (Eng. Abstr.) **(Ger)**

WASTE DISPOSAL, FLUID see under **SEWAGE**

WASTE DISPOSAL, SOLID see **REFUSE DISPOSAL**

WASTE PRODUCTS

Disposal of antineoplastic wastes at the National Institutes of Health. Vaccari PL, et al. **Am J Hosp Pharm** 1984 Jan; 41(1):87–93

Viricidal effects of Lactobacillus and yeast fermentation. Gilbert JP, et al. **Appl Environ Microbiol** 1983 Aug; 46(2):452–8

Resolution concerning the disposal in New York City of biomedical waste containing de minimis levels of radioactivity. The Committee on Public Health. The New York Academy of Medicine. **Bull NY Acad Med** 1984 Mar; 60(2):213–6

System tackles infectious waste problem. Adams S. **Hospitals** 1984 Jan 1;58(1):55

Laboratory decontamination and destruction of carcinogens in laboratory wastes: some N-nitrosamides. International Agency for Research on Cancer. **IARC Sci Publ** 1983; 55:1–65

Edible plate waste assessment in a university dining hall. Kelley SM, et al. **J Am Diet Assoc** 1983 Oct;83(4):436–40

Safe disposal of some commonly used injectable antineoplastic drugs. Wilson SJ. **J Clin Hosp Pharm** 1983 Sep;8(3):295–9

Potential hazard from surgical suction installations [letter] Shaw A, et al. **Lancet** 1984 Aug 4;2(8397):293

Laboratory decontamination [letter] Castegnaro M. **Science** 1984 Jul 13;225(4658):113

[Criteria of bacteria count in 'Emission Standard of Polluted Water from Hospital'—confirmation tests for the total number of E. coli group] E TS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):339–41 (Eng. Abstr.) **(Chi)**

[Atmospheric and respiratory contamination by waste water aerosols] Boutin P, et al. **Rev Mal Respir** 1984;1(2):125–31 (Eng. Abstr.) **(Fre)**

[Waste from hospitals, health resorts and sanatoria] Althaus H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):1–29 (Eng. Abstr.) **(Ger)**

[Microbial contamination of hospital waste] Kalnowski G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):364–79 (Eng. Abstr.) **(Ger)**

[Spread of infectious agents through refuse by domestic, community and field parasites with special reference to human health] Mayr A. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):53–60 (Eng. Abstr.) **(Ger)**

[Housing estates – geomedical problems] Holmsen E, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):175–7 (Eng. Abstr.) **(Nor)**

[The isolation and identification of microorganisms capable of using agricultural wastes resistant to enzymatic degradation] Göktan D. **Mikrobiyol Bul** 1984 Apr; 18(2):90–8 (Eng. Abstr.) **(Tur)**

ADVERSE EFFECTS

Mercury contamination from waste amalgam containers [letter] Dale IM. **Br Dent J** 1984 Apr 7;156(7):237

Health effects of cadmium wastes [letter] Cohen BL. **Health Phys** 1983 Nov;45(5):1007

Hazardous wastes and public health: general considerations and analysis of existing data sources in Florida. Levine RS, et al. **Prog Clin Biol Res** 1983;140:3–12

[Water pollution as a threat to human health] Janicki K. **Folia Med Cracov** 1982–83;24(3–4):193–202 (Eng. Abstr.) **(Pol)**

ANALYSIS

Mercury vapour associated with amalgam capsule and waste storage. Burgess VB, et al. **Aust Dent J** 1983 Dec; 28(6):352–4

Bioluminescent toxicity assay of synfuel by–product waters. Delistraty D. **Bull Environ Contam Toxicol** 1984 May; 32(5):613–20

Laboratory decontamination and destruction of carcinogens in laboratory wastes: some hydrazines. **IARC Sci Publ** 1983; 54:1–87

ECONOMICS

[Material recovery from waste] Wogrolly E. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):194–206 (Eng. Abstr.) **(Ger)**

WATER

see related
BODY WATER
MINERAL WATERS

Microwave method for determining dielectric parameters of living biological objects. III. Study of water binding in frog nerve. Misik S, et al. **Acta Biochim Biophys Acad Sci Hung** 1983;18(3–4):223–30

Distilled water–induced contractions in dehydrated and skinned muscle fibers. Natori R. **Adv Exp Med Biol** 1984; 170:797–801

Laboratory studies on a differential filtration technique for the recovery of schistosome cercariae from natural waters. Blumenthal UJ, et al. **Ann Trop Med Parasitol** 1983 Aug; 77(4):441–2

Field comparison of mouse immersion and cercariometry for assessing the transmission potential of water containing cercariae of Schistosoma mansoni. Prentice MA, et al. **Ann Trop Med Parasitol** 1984 Apr;78(2):169–72

A field–evolved differential filtration method for recovery of schistosome cercariae. Prentice MA. **Ann Trop Med Parasitol** 1984 Apr;78(2):117–27

Legionella sainthelensi: a new species of Legionella isolated from water near Mt. St. Helens. Campbell J, et al. **Appl Environ Microbiol** 1984 Feb;47(2):369–73

Pasteurization of naturally contaminated water with solar energy. Ciochetti DA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):223–8

Penetration of different human pathogenic viruses into sand columns percolated with distilled water, groundwater, or wastewater. Dizer H, et al. **Appl Environ Microbiol** 1984 Feb;47(2):409–15

Infrared spectroscopic studies on interactions of water and carbohydrates with a biological membrane. Crowe JH, et al. **Arch Biochem Biophys** 1984 Jul;232(1):400–7

Effects of deuterium on the kinetics of beef heart mitochondrial ATPase. Urbauer JL, et al. **Arch Biochem Biophys** 1984 Jun;231(2):498–502

Water survival: 20 years Canadian Forces aircrew experience. Brooks CJ, et al. **Aviat Space Environ Med** 1984 Jan;55(1):41–51

Local effects in hydrophobicity. Electrostatic interactions in the restructuring of highly polar solvent around less polar solute. Bishop WH. **Biophys Chem** 1983 Nov;18(4):339–47

Diffusion of oxygen in water and hydrocarbons using an electron spin resonance spin–label technique. Subczynski WK, et al. **Biophys J** 1984 Apr;45(4):743–8

Orbital laceration caused by a blast of water: report of 2 cases. Salminen L, et al. **Br J Ophthalmol** 1983 Dec; 67(12):840–1

Mechanism of the water response in carp gustatory receptors: independent generation of the water response from the salt response. Yoshii K, et al. **Brain Res** 1983 Nov 21; 279(1–2):185–91

Problems in determining the water solubility of organic compounds. Bharath A, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):133–7

Effects of ultrasonically nebulized distilled water on respiratory resistance and breathing pattern in normals and asthmatics. Chadha TS, et al. **Bull Eur Physiopathol Respir** 1984 May–Jun;20(3):257–62

Ocular effects of water from acidic lakes: an experimental study. Basu PK, et al. **Can J Ophthalmol** 1984 Apr; 19(3):134–41

Osmoregulation and membrane–mediated responses to altered water potential in plant cells. Hendrix DL, et al. **Cryobiology** 1983 Aug;20(4):466–86 (126 ref.)

Drought and freezing tolerance and adaptation in plants: some evidence of near equivalences. Siminovitch D, et al. **Cryobiology** 1983 Aug;20(4):487–503

Relationship between molar refraction and n–octanol/water partition coefficient. Yoshida K, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):558–65

Counterantigonadotropic effect of melatonin administered via the drinking water. Gibbs FP, et al. **Endocrinology** 1983 Oct;113(4):1447–51

How are the physical and chemical properties of chrysotile asbestos altered by a 10–year residence in water and up to 5 days in simulated stomach acid? Seshan K. **Environ Health Perspect** 1983 Nov;53:143–8

Solvent isotope effects on the glucokinase reaction. Negative co–operativity and a large inverse isotope effect in 2H2O. Pollard–Knight D, et al. **Eur J Biochem** 1984 May 15; 141(1):157–63

Changes in water properties in serum albumin solutions induced by alterations in protein flexibility. NMR studies. Käiväräinen AI, et al. **Folia Biol (Praha)** 1984;30(2):84–92

Study on the toxicity of sodium bromide to different freshwater organisms. Canton JH, et al. **Food Chem Toxicol** 1983 Aug;21(4):369–78

Daily intakes of water from various sources [letter] Black AE, et al. **Hum Nutr Appl Nutr** 1983 Dec;37(6):479–80

Nonspecific cell surface properties: contact angle of water on dried cell monolayers. Mege JL, et al. **Immunol Commun** 1984;13(3):211–27

Biochemical and immunological differences between hydrophobic and hydrophilic strains of Streptococcus mutans. McBride BC, et al. **Infect Immun** 1984 Apr; 44(1):68–75

Ozone produced by corona discharge in the presence of water. Goheen SC, et al. **Int J Biometeorol** 1984 May; 28(2):157–61

Increased cutaneous fibrinolytic activity in a case of aquagenic pruritus. Lotti T, et al. **Int J Dermatol** 1984 Jan–Feb;23(1):61–2

The impact of lake creation on guinea–worm transmission in Nigeria on the eastern side of Kainji Lake. Adekolu–John EO. **Int J Parasitol** 1983 Oct;13(5):427–32

Sister chromatid exchanges in bone marrow cells of mice maintained on tritiated water. Ikushima T, et al. **Int J Radiat Biol** 1984 Mar;45(3):251–6

Microbial growth at reduced water activities: some physicochemical properties of compatible solutes. Chirife J, et al. **J Appl Bacteriol** 1984 Apr;56(2):259–68

Temperature and water activity minima for growth of spoilage moulds from meat. Lowry PD, et al. **J Appl Bacteriol** 1984 Apr;56(2):193–9

Water sorption in a bis(GMA)/TEGDMA resin. Söderholm KJ. **J Biomed Mater Res** 1984 Mar;18(3):271–9

Water near intracellular surfaces. Parsegian VA, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):196s–200s

Vitreous humor chemistry in deaths associated with rapid chilling and prolonged freshwater immersion. Bray M, et al. **J Forensic Sci** 1983 Jul;28(3):588–93

The Water for Injection System at the Upjohn Company. Coates JL, et al. **J Parenter Sci Technol** 1983 Jul–Aug; 37(4):113–6

Glass and rubber closure effects on the pH of water I. A preliminary investigation. Preston WA, et al. **J Parenter Sci Technol** 1984 Jan–Feb;38(1):11–6

Gastric emptying times of water in infants and children: comparison of those with and without gastroesophageal reflux. Euler AR, et al. **J Pediatr Gastroenterol Nutr** 1983 Nov;2(4):595–8

Moisture sorption kinetics for water-soluble substances. III: Theoretical and experimental studies in air. Van Campen L, et al. **J Pharm Sci** 1983 Dec;72(12):1394–8

Moisture sorption kinetics for water-soluble substances. II: Experimental verification of heat transport control. Van Campen L, et al. **J Pharm Sci** 1983 Dec;72(12):1388–93

Moisture sorption kinetics for water-soluble substances. I: Theoretical considerations of heat transport control. Van Campen L, et al. **J Pharm Sci** 1983 Dec;72(12):1381–8

Excess free energy approach to the estimation of solubility in mixed solvent systems II: Ethanol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):14–8

Excess free energy approach to the estimation of solubility in mixed solvent systems III: Ethanol–propylene glycol–water mixtures. Williams NA, et al. **J Pharm Sci** 1984 Jan;73(1):18–23

'De-watering' capabilities of surfactants in human amniotic fluid. Hills BA. **J Physiol (Lond)** 1984 Mar;348:369–81

Influence of gauging water composition on dental stone expansion and setting time. Brukl CE, et al. **J Prosthet Dent** 1984 Feb;51(2):218–23

Evaluation of reversible hydrocolloid impression material in a wet field. Stewart GP, et al. **J Prosthet Dent** 1984 Jun; 51(6):797–800

Solvent interactions in nucleic acid crystal hydrates. Goodfellow JM. **J Theor Biol** 1984 Mar 21;107(2):261–74

Rapid energy exchange of enzymes with solvent water by dipolar interaction. Schlitter J. **J Theor Biol** 1984 Feb 7; 106(3):303–13

Improvements in the equation for calculating the contribution to osmotic potential of the separate solutes of water solutions. Cochrane TT. **Med Phys** 1984 May–Jun; 11(3):338–40

Concerning comparisons of electron beam absorbed dose measurements in water and polystyrene. Mattsson LO, et al. **Med Phys** 1984 Jan–Feb;11(1):85–7

Fish antifreeze protein and the freezing and recrystallization of ice. Knight CA, et al. **Nature** 1984 Mar 15–21; 308(5956):295–6

The exposure of pre-school children to water hazards and the incidence of potential drowning accidents. Geddis DC. **NZ Med J** 1984 Apr 11;97(753):223–6

Eyewashes & showers: ensuring effectiveness. Weaver LA 3d. **Occup Health Saf** 1983 Aug;52(8):13–6, 18–9

The influence of water-level fluctuation on the drift of Simulium chutteri Lewis, 1965 (Diptera, Nematocera) in the Orange River, South Africa. Car M. **Onderstepoort J Vet Res** 1983 Sep;50(3):173–7

The influence of water temperature and pH on the survival of Fasciola hepatica miracidia. Smith G, et al. **Parasitology** 1984 Feb;88 (Pt 1):97–104

Blood volume changes and arginine vasotocin (AVT) blood concentration in conscious fresh water and salt water adapted ducks. Simon-Oppermann C, et al. **Pflugers Arch** 1984 Feb;400(2):151–9

Cell dehydration during tissue freezing interpreted as Bradley isotherm desorption of structured cell water. Cope FW. **Physiol Chem Phys** 1982;14(5):415–9

Evidence for chemically shifted water in the brine shrimp, (Artemia): possible interpretations. Kasturi SR, et al. **Physiol Chem Phys** 1983;15(1):5–11

Studies on the physical state of water in living cells and model systems. III. The high osmotic activities of aqueous solutions of gelatin, polyvinylpyrrolidone and poly (ethylene oxide) and their relation to the reduced solubility for NA+, sugars, and free amino acids. Ling GN. **Physiol Chem Phys** 1983;15(2):155–65

Studies on the physical state of water in living cells and model systems. II. NMR relaxation times of water protons in aqueous solutions of gelatin and oxygen-containing polymers which reduce the solvency of water for NA+, sugars, and free amino acids. Ling GN, et al. **Physiol Chem Phys** 1983;15(2):137–54

Studies on the physical state of water in living cells and model systems. I. The quantitative relationship between the concentration of gelatin and certain oxygen-containing polymers and their influence upon the solubility of water for NA+ salts. Ling GN, et al. **Physiol Chem Phys** 1983; 15(2):127–36

The endemic faunae of Lake Baikal: their general biochemistry and detailed lipid composition. Morris RJ. **Proc R Soc Lond [Biol]** 1984 Jul 23;222(1226):51–78

Molecular aspects of tritiated water and natural water in radiation biology. Mathur-De Vré R, et al. **Prog Biophys Mol Biol** 1984;43(2):161–93 (132 ref.)

Study of long term effects of oil and oil–dispersant mixtures on freshwater microbial populations in man made ponds. Dutka BJ, et al. **Sci Total Environ** 1984 Apr 19;35(2):135–48

The fate and impact of oil and oil–dispersant mixtures in freshwater pond ecosystems: introduction. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):105–13

The impact of oil and oil–dispersant mixtures on fungi in freshwater ponds. Sherry JP. **Sci Total Environ** 1984 Apr 19;35(2):149–67

Field studies on Bulinus senegalensis Muller and the transmission of Schistosoma haematobium infection in a Gambian community. Goll PH, et al. **Tropenmed Parasitol** 1984 Mar;35(1):29–36

[Preliminary experimental observations on magnetized water] Wu HW, et al. **Chung Hua I Hsueh Tsa Chih** 1983 May; 63(5):299–301 **(Chi)**

[Effect of magnetized water on urinary calculi: an experimental and clinical study] Zhang YS, et al. **Acta Acad Med Wuhan** 1984;4(1):31–7 (Eng. Abstr.) **(Ger)**

[Tap water iontophoresis in the treatment of hyperhidrosis of the hands and feet] Hölzle E, et al. **Hautarzt** 1984 Mar; 35(3):142–7 (Eng. Abstr.) **(Ger)**

[High pressure liquid chromatography of combined clotrimazole- containing hydrocreams and hydrocream pastes] Stuber B, et al. **Pharm Acta Helv** 1984;59(8):210–2 **(Ger)**

[Heavy metals and aquatic plants] Atri FR. **Schriftenr Ver Wasser Boden Lufthyg** 1983;55:1–105 (77 ref.) **(Ger)**

[Microbiologic analysis of the last tract of the Po di Pila River from 1976 to 1980] Bellelli E, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun;33(2–3):189–232 (Eng. Abstr.) **(Ita)**

[Relation between the lysozyme hydration isotherm and molecule packing in the solid phase] Gevorkian SG, et al. **Biofizika** 1983 Nov–Dec;28(6):944–8 (Eng. Abstr.) **(Rus)**

[Analysis of kinetic isotope effects in H2O–D2O mixtures in enzymatic catalysis: detection of conformation–dynamic processes] Lobyshev VI, et al. **Biofizika** 1984 Mar–Apr; 29(2):184–8 (Eng. Abstr.) **(Rus)**

[Water distribution around a protein molecule from data on spatial structure] Shchegoleva TIu. **Biofizika** 1983 Nov–Dec;28(6):937–43 (Eng. Abstr.) **(Rus)**

[Sanitary protection of the Kura River] Akhundov VIu, et al. **Gig Sanit** 1984 Jun;(6):68 **(Rus)**

[Structure and catabolism of DNA in bone marrow and spleen cells exposed to tritium oxide and 137Cs gamma radiation] Rusinova GG, et al. **Med Radiol (Mosk)** 1984 Jul;29(7):66–9 **(Rus)**

[Comparison of the structure and catabolism of rat thymus DNA exposed to tritium oxide and gamma-radiation in equal doses] Rusinova GG, et al. **Radiobiologiia** 1984 May–Jun;24(3):344–7 (Eng. Abstr.) **(Rus)**

[Reaction of mouse hematopoietic stem cells on gamma-irradiation and exposure to tritium oxide] Zhukova IV, et al. **Radiobiologiia** 1983 Nov–Dec;23(6):823–4 (Eng. Abstr.) **(Rus)**

[Isolation of a moderately halophilic bacterium from Salt Lake, Turkey] Aksöz N, et al. **Mikrobiyol Bul** 1984 Apr; 18(2):107–13 (Eng. Abstr.) **(Tur)**

ADMINISTRATION & DOSAGE

Antidiuretic effect of perorally administered DDAVP in hydrated humans. Vilhardt H, et al. **Acta Endocrinol (Copenh)** 1984 Apr;105(4):474–6

The 'water-ida': a simple means to separate duodenal from gallbladder activity on cholescintigraphic studies. Wahl RL. **Eur J Nucl Med** 1984;9(7):335–6

Serum magnesium and consumed water magnesium levels in cases of acute myocardial infarction and in controls. Singh A, et al. **Indian J Med Sci** 1983 May;37(5):81–4

Water in the treatment of peptic ulcer disease [letter] McCloy RF. **J Clin Gastroenterol** 1984 Feb;6(1):95–6

Field evaluation of a new simplified method for cooling of heat casualties in the desert. Barner HB, et al. **Milit Med** 1984 Feb;149(2):95–7

ADVERSE EFFECTS

Morphological hazards of deuterium oxide as a cardioplegic agent. Anyanwu E, et al. **Thorac Cardiovasc Surg** 1984 Feb; 32(1):27–34

ANALYSIS

The use of ion exchange to remove aluminum from water used in hemodialysis. Petrie JJ, et al. **Am J Kidney Dis** 1984 Jul;4(1):69–74

Determination of trace levels of fatty acid metal salts by high-performance liquid chromatography with fluorescence prelabeling. Hayashi K, et al. **Anal Biochem** 1984 Feb;136(2):314–20

An improved method for water vapor detection. Adams T, et al. **Ann Biomed Eng** 1983;11(2):117–29

Fate of hexachlorocyclopentadiene in water and goldfish. Podowski AA, et al. **Arch Environ Contam Toxicol** 1984 Jul;13(4):471–81

Spectrofluorometric determination of mercury (II) in river waters with rhodamine B. Momirović-Culjat J, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):217–28

Measurement of water-holding properties of fibre and their faecal bulking ability in man. Eastwood MA, et al. **Br J Nutr** 1983 Nov;50(3):539–47

Quick gas chromatographic method for measuring the water content of brain tissue: with reference to age-related changes of rat neocortex. Yamagata K, et al. **Brain Dev** 1983;5(6):582–4

Heavy metal content of rainwater in Geneva, New York during late 1982. Aten CF, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):574–81

A column technique for determining sorption of organic solutes on the lithological structure of aquifers. Goerlitz DF. **Bull Environ Contam Toxicol** 1984 Jan;32(1):37–44

Trace metal distributions in the surficial sediments of Penobscot Bay, Maine. Larsen PF, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):566–73

Residues of 4-chloro-1-(2,4-dichlorophenoxy)-2-methoxybenzene(trimethyl) in aquatic biota. Miyazaki T, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):227–32

Fish mortality following application of phenthoate to Florida citrus. Nigg HN, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):587–96

Distribution function of heavy metals in river sediment. Nishida H, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):212–9

A statistical view of heavy metal pollution index of river sediment. Nishida H, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):503–9

Influence of sediment types on the sorption of endothall. Reinert KH, et al. **Bull Environ Contam Toxicol** 1984 May; 32(5):557–64

2,3,6-Trichlorophenylacetic acid (fenac) degradation in aqueous and soil systems. Rosenberg A. **Bull Environ Contam Toxicol** 1984 Apr;32(4):383–90

Temporal trends toward stability of Hudson River PCB contamination. Sloan RJ, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):377–85

Reduction of organic mercury in water, urine, and blood by sodium borohydride for direct determination of total mercury content. Margel S, et al. **Clin Chem** 1984 Feb; 30(2):243–5

Composition of fecal water. Comparison of 'in vitro' dialysis with ultrafiltration. Vernia P, et al. **Gastroenterology** 1984 Jun;86(6):1557–61

Spectral and dosimetric characteristics of a D2O-moderated 252Cf calibration facility. Ing H, et al. **Health Phys** 1984 Jan;46(1):97–106

Analysis of tritiated water vapor by non-volatile liquid scintillant sorbent. Kato T. **Int J Appl Radiat Isot** 1983 Dec;34(12):1593–5

Detection of organophosphorous pesticides with an immobilized cholinesterase electrode. Durand P, et al. **J Anal Toxicol** 1984 May–Jun;8(3):112–7

The effect of diet on fecal moisture, osmolarity of fecal extracts, products of bacterial fermentation and loss of minerals in feces of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1403–11

Filament hygrometer for water activity measurement: interlaboratory evaluation. Jakobsen M. **J Assoc Off Anal Chem** 1983 Sep;66(5):1106–11

Chemical derivatization analysis of pesticide residues. VIII. Analysis of 15 chlorophenols in natural water by in situ acetylation. Lee HB, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):789–94

pH and water content of Pseudomonas aeruginosa- and Klebsiella pneumoniae-Colonized Perineal Skin of Men with spinal cord injuries. Montgomerie JZ, et al. **J Clin Microbiol** 1983 Oct;18(4):844–8

Studies on the water movements between the atmosphere and Hyalomma dromedarii eggs during embryogenesis, using 3HHO. Bassal TT, et al. **J Egypt Soc Parasitol** 1983 Jun;13(1):109–16

Reverse phase high performance liquid chromatographic determination of Baygon in water. Kumar Y. **J Environ Sci Health [B]** 1983 Dec;18(6):757–65

Generation of dimethylnitrosamine in water purification systems. Detection in human blood samples during hemodialysis. Simenhoff ML, et al. **JAMA** 1983 Oct 21; 250(15):2020–4

A rapid procedure for screening and isolating oxygenated free fatty acid metabolites from plants and natural waters. Rogers VA, et al. **Lipids** 1984 Apr;19(4):304–6

Preparation of high-purity laboratory water. Ganzi GC. **Methods Enzymol** 1984;104:391–403

Biochemistry of the ageing rat lens. I. Lens wet weight and lens dry weight with respect to sex differences. Bours J, et al. **Ophthalmic Res** 1983;15(4):198–203

Molecular aspects of tritiated water and natural water in radiation biology. Mathur-De Vré R, et al. **Prog Biophys Mol Biol** 1984;43(2):161–93 (132 ref.)

Gamma ray decomposition of dissolved organic substances in river water without compositional change of metallic elements. Yamazaki M, et al. **Radioisotopes** 1983 Aug; 32(8):372–5

Magnesium and deaths ascribed to ischaemic heart disease in South Africa. A preliminary report. Leary WP, et al. **S Afr Med J** 1983 Nov 5;64(20):775–6

The fate of oil and oil–dispersant mixtures in freshwater ponds. Nagy E, et al. **Sci Total Environ** 1984 Apr 19; 35(2):115–33

Polycyclic aromatic hydrocarbons in rainwater. Quaghebeur D, et al. **Sci Total Environ** 1983 Dec 15;32(1):35–54

Impact of oil and oil–dispersant mixtures on flora and water chemistry parameters in freshwater ponds. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):169–90

Determination of trace amounts of siloxanes in water, sediments and fish tissues by inductively coupled plasma emission spectrometry. Watanabe N, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):169–76

[Microammetric determination of trace iodine in water] Sun

YX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep; 17(5):307–9 **(Chi)**

[Quantitative determination of water in crude drugs by gas chromatography] Mi HM. **Chung Yao Tung Pao** 1983 Jul; 8(4):8–11 **(Chi)**

[Bioindications for elevated metal contents in flowing waters] Wachs B. **Naturwissenschaften** 1983 Dec;70(12):577–80 (Eng. Abstr.) **(Ger)**

[The definition of 'water quality' and the limnologic foundations of its assessment in the past and in the future] Elster HJ. **Schriftenr Ver Wasser Boden Lufthyg** 1982; 54:21–37 (64 ref.) **(Ger)**

[Elevated water hardness and reduced mortality in cardiovascular disease: history and progress of epidemiologic studies] Leoni V. **Clin Ter** 1983 Oct 15; 107(1):3–18 (Eng. Abstr.) **(Ita)**

[Apparatus for recording the hydration of tissue samples] Gareev RA, et al. **Fiziol Zh SSSR** 1984 Jan;70(1):102–5 **(Rus)**

[Spectrographic determination of trace elements in natural water using government reference standards] Novikov IuV, et al. **Gig Sanit** 1983 Dec;(12):37–8 **(Rus)**

[Biomonitoring of lead in the fresh water ecosystems of the Voronezh Preserve] Nikanora AM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov–Dec;(6):897–905 (Eng. Abstr.) **(Rus)**

[Comparative study of conventional and membrane–filtration technics in the microbiological analysis of surface waters] de Marino Gómez–Sandoval MD, et al. **Rev Sanid Hig Publica (Madr)** 1982 Sep–Oct; 56(9–10):999–1030 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Comparison of ultrasonically nebulized distilled water and hyperventilation with cold air in asthma. Fabbri LM, et al. **Ann Allergy** 1984 Aug;53(2):172–7

Drug effect on bronchial response to PGF2 alpha and water inhalation. Bianco S, et al. **Eur J Respir Dis [Suppl]** 1983; 128 (Pt 1):213–21

A noninvasive approach to quantitative functional brain mapping with H2 (15)O and positron emission tomography. Fox PT, et al. **J Cereb Blood Flow Metab** 1984 Sep; 4(3):329–33

Assessment of SIADH in psychosis with a water–loading test: case report. Kramer DS, et al. **J Clin Psychiatry** 1984 Jan;45(1):40–1

The use of water ingestion to distinguish the gallbladder and duodenum on cholescintigrams. Keller IA, et al. **Radiology** 1984 Sep;152(3):811–3

Bronchial challenge with hypertonic KCl solution in the diagnosis of bronchial asthma. A comparison with the challenge performed by inhalation of distilled water. Magyar P, et al. **Schweiz Med Wochenschr** 1984 Jun 23; 114(25):910–3

[Effects on renal function of a drug antagonistic to morphine–like peptide systems after water load] Adani C, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):187–93 (Eng. Abstr.) **(Ita)**

METABOLISM

Cholinergic and adrenergic effects on diffusional water flux in the toadfish, Opsanus beta. Oduleye SO, et al. **Acta Physiol Hung** 1983;61(1–2):81–93

Water–permeable and –impermeable barriers of snake distal tubules. Beyenbach KW. **Am J Physiol** 1984 Mar;246(3 Pt 2):F290–9

Allometry of water vapor absorption in two species of tenebrionid beetle larvae. Coutchié PA, et al. **Am J Physiol** 1984 Aug;247(2 Pt 2):R230–6

Modulation of jejunal ion and water absorption by endogenous angiotensin after dehydration. Levens NR. **Am J Physiol** 1984 Jun;246(6 Pt 1):G700–9

Transport of water and urea in red blood cells. Macey RI. **Am J Physiol** 1984 Mar;246(3 Pt 1):C195–203 (62 ref.)

The aqueous pore in the red cell membrane: band 3 as a channel for anions, cations, nonelectrolytes, and water. Solomon AK, et al. **Ann NY Acad Sci** 1983;414:97–124 (110 ref.)

Stimulatory effect of calcium on photoactivation of the water oxidation system in dark–grown spruce chloroplasts. Oku T, et al. **Biochem Biophys Res Commun** 1983 Nov 15; 116(3):803–8

Abscisic acid and water stress. Mansfield TA, et al. **Biochem Soc Trans** 1983 Oct;11(5):557–60

A proton nuclear magnetic resonance study on the release of bound water by inhalation anesthetic in water–in–oil emulsion. Yoshida T, et al. **Biochim Biophys Acta** 1984 Apr 25;772(1):102–7

Water exchange in plant tissue studied by proton NMR in the presence of paramagnetic centers. Bačić G, et al. **Biophys J** 1984 Apr;45(4):767–76

Water permeability through biological membranes by isotopic effects of fluorescence and light scattering. Lawaczeck R. **Biophys J** 1984 Mar;45(3):491–4

Noninvasive measurement of plant water flow by nuclear magnetic resonance. van As H, et al. **Biophys J** 1984 Feb; 45(2):469–72

Fluid and electrolyte disorders. Water. Willatts SM. **Br J Hosp Med** 1984 Jul;32(1):8–14

Routes of clearance of radioactive water from the rabbit vitreous. Moseley H, et al. **Br J Ophthalmol** 1984 Mar; 68(3):145–51

ADH secretion and free–water clearance [letter] Hegeman TF. **Crit Care Med** 1984 Aug;12(8):698–9

Osmotic response of individual cells during freezing. II. Membrane permeability analysis. Schwartz GJ, et al. **Cryobiology** 1983 Oct;20(5):542–52

Colonic transport of water and electrolytes in a patient with secretory diarrhea due to collagenous colitis. Rask–Madsen J, et al. **Dig Dis Sci** 1983 Dec;28(12):1141–6

Irreversible stimulation of hydroosmotic response in toad bladder by photoaffinity labeling with [Phe2,Phe–(p–N3)3]Vasopressin. Eggena P, et al. **Endocrinology** 1983 Oct;113(4):1413–21

Age–related changes in the water and electrolyte metabolism in male rats of the Wistar/TW strain. Kobayashi Y, et al. **Exp Gerontol** 1984;19(2):107–13

Adrenergic control of the anuran cutaneous hydroosmotic response. Yokota SD, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):309–14

Effect of peptide histidine isoleucine on water and electrolyte transport in the human jejunum. Moriarty KJ, et al. **Gut** 1984 Jun;25(6):624–8

Calorimetric validation of the doubly–labelled water method for determination of energy expenditure in man. Klein PD, et al. **Hum Nutr Clin Nutr** 1984 Mar;38(2):95–106

Estimation of body composition of pigs. Ferrell CL, et al. **J Anim Sci** 1984 Apr;58(4):903–12

Tritiated water metabolism during dehydration and rehydration in the camel. Etzion Z, et al. **J Appl Physiol** 1984 Jan;56(1):217–20

Effects of cell swelling on fluid flow across alveolar epithelium. Schaeffer JD, et al. **J Appl Physiol** 1984 Jan; 56(1):72–7

Specific binding of a bacteriophage at a hydrocarbon–water interface. Pines O, et al. **J Bacteriol** 1984 Jan;157(1):179–83

[1,6–alpha–aminosuberic acid, 3–(p–azidophenylalanine), 8–arginine] vasopressin: a new photoaffinity label for hydroosmotic hormone receptors. Characterization of the ligand and irreversible stimulation of hydroosmotic water flow in toad bladder by photoaffinity labeling. Fahrenholz F, et al. **J Biol Chem** 1983 Dec 25;258(24):14861–7

The relationship between the rate of hepatic sterol synthesis and the incorporation of [3H]water. Pullinger CR, et al. **J Lipid Res** 1983 Oct;24(10):1321–8

Water exchange through erythrocyte membranes: nuclear magnetic resonance studies on the effects of inhibitors and of chemical modifications of human membranes. Benga G, et al. **J Membr Biol** 1983;76(2):129–37

On the exchange of H2O/D2O molecules across membranes of erythrocyte ghosts from patients with Huntington's disease and from normal individuals. Vigenschow H, et al. **J Neurol** 1984;231(1):54–5

Determination of concentration–dependent water diffusivity in a keratinous membrane. Wu MS. **J Pharm Sci** 1983 Dec; 72(12):1421–3

Relationship between intestinal motility, tone, water absorption and lymph flow in the rat. Lee JS. **J Physiol (Lond)** 1983 Dec;345:489–99

Membrane permeability of secondary hydatid cysts of Echinococcus granulosus. Determination of the water diffusional and osmotic permeability coefficients through a syncytial membrane. Reisin IL, et al. **Mol Biochem Parasitol** 1984 May;12(1):101–16

High [K+] alters the stimulus–hydrosmotic response coupling in toad bladder. Grosso A, et al. **Pflugers Arch** 1984 Apr;400(4):349–55

Pyridoxal 5'–phosphate disappearance from perfused rat jejunal segments: correlation with perfusate alkaline phosphatase and water absorption. Middleton HM 3d. **Proc Soc Exp Biol Med** 1983 Nov;174(2):249–57

Effect of cAMP and calmodulin inhibitors on water absorption in rat proximal tubule. Weinman EJ, et al. **Proc Soc Exp Biol Med** 1984 Jul;176(3):322–6

Absorption and secretion of fluid and electrolytes by the rectum. Edmonds CJ. **Scand J Gastroenterol [Suppl]** 1984; 93:79–87 (55 ref.)

[Dynamics of the penetration of water from hydrophilic contact lenses into the eye and central nervous system] Hoskovcová–Krejčová H, et al. **Cesk Oftalmol** 1983 Nov; 39(6):419–23 (Eng. Abstr.) **(Cze)**

[Transport of chlorine in the proximal tubule. Its effects on water–electrolyte absorption] Anagnostopoulos T, et al. **J Physiol (Paris)** 1984;79(3):132–8 (32 ref.) (Eng. Abstr.) **(Fre)**

[Capillary networks and osmotic uptake in fungiform papillae] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1903–9 (Eng. Abstr.) **(Ita)**

[Effect of metavanadate on papillary water uptake] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30;59(12):1910–6 (Eng. Abstr.) **(Ita)**

[Paracoronal cavity system and papillary water uptake] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1983 Dec 30; 59(12):1917–21 (Eng. Abstr.) **(Ita)**

[Water exchange in E. coli cells in the presence of D20 using IR–spectroscopy] Bagriantseva EA, et al. **Biofizika** 1983 Sep–Oct;28(5):835–7 (Eng. Abstr.) **(Rus)**

[Nature of the stacking interactions of nucleic acid bases in water: a study using the Monte Carlo method] Danilov VI, et al. **Dokl Akad Nauk SSSR** 1984;274(4):968–72 **(Rus)**

[Dynamics of water, electrolyte and trace element content of the placenta, fetuses and organs of female rats during pregnancy] Natochin IuV, et al. **Fiziol Zh SSSR** 1984 Feb; 70(2):206–12 (Eng. Abstr.) **(Rus)**

[Experimental data on the embryotoxic effects of barium ferrite] Govorukova NN, et al. **Gig Sanit** 1984 Apr;(4):72–4 **(Rus)**

[Rehydration conditions for dehydrated Saccharomyces cerevisiae yeasts and cell viability] Zikmanis PB, et al. **Mikrobiologiia** 1984 Mar–Apr;53(2):208–12 (Eng. Abstr.) **(Rus)**

[Changes in water, glucose, and electrolyte transport in the rat intestine 'in vivo' after intraluminal injection of loperamide and aspirin] Dueñas Laita A, et al. **Rev Esp Enferm Apar Dig** 1983 Sep;64(3):165–9 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Deuterium–oxide–induced histamine release from basophils of allergic subjects. I. Responsiveness to deuterium oxide requires an activation step. Kazimierczak W, et al. **Am Rev Respir Dis** 1984 Apr;129(4):592–6

Naloxone reduces diuretic responses induced by water, alcohol or congenital lack of vasopressin in rats. Guiol C, et al. **Br J Pharmacol** 1984 Jan;81(1):85–90

Effects of heavy water (D2O) on the length of the mitotic period in developing sea urchin eggs. Takahashi TC, et al. **Cell Struct Funct** 1983 Dec;8(4):357–65

Some aspects of waterloadings in rabbits. van Loenen AC, et al. **Doc Ophthalmol** 1984 Feb 29;56(4):345–51

Hazard analysis applied to microbial growth in foods: development of mathematical models describing the effect of water activity. Broughall JM, et al. **J Appl Bacteriol** 1983 Aug;55(1):101–10

Effects of deuterium oxide and galvanic vestibular stimulation on visual cortical cell function. Reinis S, et al. **J Neurophysiol** 1984 Mar;51(3):481–99

Antidiuretic effects of oxotremorine microinjected into the hypothalamic supraoptic and paraventricular nuclei in a water–loaded and ethanol–anesthetized rat. Mori M, et al. **Jpn J Pharmacol** 1984 May;35(1):27–36

Deuterium oxide modification of neuronal characteristics in the visual cortex of the cat. Reinis S, et al. **Neurosci Lett** 1983 Aug 8;38(3):269–74

Improvement of the nutritive value of high tannin sorghums for broiler chickens by high moisture storage (reconstitution). Mitaru BN, et al. **Poult Sci** 1983 Oct; 62(10):2065–72

Spectra of base substitution mutations induced in Escherichia coli by tritiated water and the decay of incorporated tritiated thymidine. Ise T, et al. **Radiat Res** 1984 Jan; 97(1):200–10

Inhibition of gamma–ray dose–rate effects by D2O and inhibitors of poly(ADP–ribose) synthetase in cultured mammalian L5178Y cells. Ueno AM, et al. **Radiat Res** 1984 Jun;98(3):574–82

Effect of deuterium oxide on gastrin release from rat antral mucosal fragments. Harty RF, et al. **Regul Pept** 1983 Oct; 7(2):171–81

[Effect of water on UV irradiation and psoriasis] Geidel H, et al. **Dermatol Monatsschr** 1984;170(6):376–9 (Eng. Abstr.) **(Ger)**

[Elucidation of the mutagenic activity of water samples of various sources] Sujbert L. **Z Gesamte Hyg** 1984 Mar; 30(3):152–3 (Eng. Abstr.) **(Ger)**

[Induction of microbial growth on the walls of plastic tubes by drinking water] Tuschewitzki GJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):380–8 (Eng. Abstr.) **(Ger)**

[Mutagenic action of tritium on the germ cells of male mice. I. The induction of dominant lethal mutations by tritium oxide and an assessment of its relative biological effectiveness] Balonov MI, et al. **Genetika (Moskva)** 1984 Feb;20(2):224–32 (Eng. Abstr.) **(Rus)**

[Mutagenic action of tritium on the germ cells of male mice. II. The genetic damages in stem spermatogonia induced by tritium oxide and gamma radiation] Pomerantseva MD, et al. **Genetika (Moskva)** 1984 May;20(5):782–7 (Eng. Abstr.) **(Rus)**

[Relative biological effectiveness of tritium oxide by the criterion of death of the germ cells in mice] Balonov MI, et al. **Radiobiologiia** 1984 Jan–Feb;24(1):114–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Unstirred water layers in rabbit intestine: effects of pectin. Gerencser GA, et al. **Proc Soc Exp Biol Med** 1984 Jun; 176(2):183–6

Waterlogged molecules. Wolfenden R. **Science** 1983 Dec 9; 222(4628):1087–93 (61 ref.)

RADIATION EFFECTS

Repair of damage in double–stranded phi X174 (RF) DNA due to radiation–induced water radicals. Nabben FJ, et al. **Int J Radiat Biol** 1984 Apr;45(4):379–88

The application of track calculations to radiobiology. II. Calculations of microdosimetric quantities. Brenner DJ, et al. **Radiat Res** 1984 Apr;98(1):14–25

Microdosimetric distributions for nanometer–size targets in water irradiated with 60Co gamma rays: frequency distributions of effective primary events by individual tracks of electrons. Oda N, et al. **Radiat Res** 1984 Apr; 98(1):1–13

STANDARDS

High purity water. Solt GS. **J R Soc Health** 1984 Feb; 104(1):6–9, 13 (10 ref.)

THERAPEUTIC USE

Treatment of exposure to chemical personal protection agents [letter] Lee BH, et al. **Ann Emerg Med** 1984 Jun;13(6):487–8

The efficiency of nebulization treatment with water compared to sodium cromoglycate in reducing upper respiratory infections in children. Varsano I, et al. **Helv Paediatr Acta** 1983 Oct;38(4):335–9

TOXICITY

[Basis for standards of human body uptake of tritiated amino acids] Zhesko TV, et al. **Gig Sanit** 1984 May;(5):20–2 (Eng. Abstr.) **(Rus)**

WATER DEPRIVATION

Ultrastructural changes and proliferation of pituicytes in mouse posterior lobe during water deprivation and rehydration. Kawamoto K, et al. **Acta Anat (Basel)** 1984; 119(3):136–41

Changes in hypothalamic and extra-hypothalamic vasopressin content of water-deprived rats. Epstein Y, et al. **Cell Tissue Res** 1983;233(1):99–111

Homeostatic responses to water deprivation or hemorrhage in lactating and non-lactating Bedouin goats. Maltz E, et al. **Comp Biochem Physiol [A]** 1984;77(1):79–84

Plasma concentration and urinary excretion of arginine-vasopressin in primary aldosteronism during the fluid deprivation tests. Horký K, et al. **Exp Clin Endocrinol** 1983 Nov;82(3):347–55

Growth hormone and prolactin secretion in water-deprived chickens. Harvey S, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):46–50

Self-deprivation: a test of the reward hypothesis. Frank RA, et al. **Physiol Behav** 1984 Jan;32(1):139–41

Vasopressin-like peptides in the rat brain: immunologic and chromatographic behavior and their response to water deprivation. Dorsa DM, et al. **Regul Pept** 1983 Aug; 6(4):393–403

Effect of chronic noise or water restriction on weight of body and organs in the rat. Armario A, et al. **Rev Esp Fisiol** 1983 Sep;39(3):267–70

Evaluation of brain chloride determinations in the diagnosis of water deprivation/sodium salt intoxication in pigs. Wells GA, et al. **Vet Rec** 1984 Jun 30;114(26):631–5

DRUG EFFECTS

Hypodipsia, stereotypy and hyperactivity induced by beta-phenylethylamine in the water-deprived rat. Cooper SJ, et al. **Pharmacol Biochem Behav** 1984 Jan;20(1):1–7

PHYSIOLOGY

The response of plasma arginine vasopressin to 14 h water deprivation in the elderly. Li CH, et al. **Acta Endocrinol (Copenh)** 1984 Mar;105(3):314–7

Changes of water and electrolyte metabolism in ruminants after water deprivation and NaCl load. Szegedi B, et al. **Acta Physiol Acad Sci Hung** 1982;60(4):183–8

Effect of water deprivation on antipyrine disposition kinetics in rats. Prasad PP, et al. **Biopharm Drug Dispos** 1984 Apr-Jun;5(2):195–8

The effect of water deprivation on local renal blood flow and filtration in the laboratory rat. Hope A, et al. **Circ Shock** 1983;11(2):175–86

The effects of a chronic infusion of arginine vasopressin in salt-restricted, water-deprived man. Drew PJ, et al. **Clin Sci** 1984 Sep;67(3):353–8

The activity of the hypothalamo-neurohypophysis during rehydration following water deprivation in the gerbil (Meriones unguiculatus) and the laboratory rat (Rattus norvegicus). Edwards BA. **Comp Biochem Physiol [A]** 1984; 77(3):557–61

Daily behavioral manipulation increases the total immunoreactive serum neurophysin concentrations irrespective of the duration of water deprivation in rats. Crine AF. **Exp Brain Res** 1983;52(1):20–4

Effect of water deprivation on aspirin disposition kinetics. Bakar SK, et al. **J Pharm Sci** 1983 Sep;72(9):1030–4

Influence of photoperiod, nutrition and water availability on reproduction of male California voles (Microtus californicus). Nelson RJ, et al. **J Reprod Fertil** 1983 Nov; 69(2):473–7

Glucoprivic responsivity after insulin in hypodipsic and in water deficit rats. Watson PJ, et al. **Life Sci** 1984 Feb 13; 34(7):625–30

Reduced thirst after water deprivation in healthy elderly men. Phillips PA, et al. **N Engl J Med** 1984 Sep 20; 311(12):753–9

Vasopressin release induced by water deprivation: effects of centrally administered saralasin. Keil LC, et al. **Neuroendocrinology** 1983 Dec;37(6):401–5

Effects of a kappa receptor agonist, ethylketocyclazocine, on water consumption in water-deprived and nondeprived rats in diurnal and nocturnal tests. Turkish S, et al. **Pharmacol Biochem Behav** 1984 Jul;21(1):47–51

The postrest performance of laying hens subjected to early or late water restriction during the feed withdrawal period. Christmas RB, et al. **Poult Sci** 1983 Dec;62(12):2489–91

Gestation-dependent aspects of the response of the ovine fetus to the osmotic stress induced by maternal water deprivation. Bell RJ, et al. **Q J Exp Physiol** 1984 Jan; 69(1):187–95

Renal papillary necrosis in horses after phenylbutazone and water deprivation. Gunson DE, et al. **Vet Pathol** 1983 Sep; 20(5):603–10

[Effect of cholecystokinin octapeptide on brain monoamine levels during feeding and drinking motivational excitation] Timofeeva LV, et al. **Zh Vyssh Nerv Deiat** 1983 Sep-Oct; 33(5):936–40 (Eng. Abstr.) **(Rus)**

WATER-ELECTROLYTE BALANCE

see related
FLUID THERAPY
OSMOLAR CONCENTRATION
WATER INTOXICATION

Extracellular water, electrolyte and nitrogen balance after postoperative parenteral nutrition and intracellular involvement in muscle. Novarini A, et al. **Acta Chir Scand** 1983;149(7):651–6

Capillary junctions of the rat are not affected by osmotic opening of the blood-brain barrier. Farrell CL, et al. **Acta Neuropathol (Berl)** 1984;63(3):179–89

Transepidermal water loss in newborn infants. VIII. Relation to gestational age and post-natal age in appropriate and small for gestational age infants. Hammarlund K, et al. **Acta Paediatr Scand** 1983 Sep;72(5):721–8

Transepidermal water loss in newborn infants. X. Effects of central cold-stimulation on evaporation rate and skin blood flow. Strömberg B, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):735–9

Transepidermal water loss in newborn infants. IX. The relationship between skin blood flow and evaporation rate in fullterm infants nursed in a warm environment. Strömberg B, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):729–33

Effect of morphine withdrawal on food and water intake, urine output and electrolyte excretion in the rat: participation of the renin-aldosterone-system in renal excretory changes. Ikonomov OC, et al. **Acta Physiol Hung** 1984;63(2):137–46

On the control of water balance in lactating and non-lactating Bedouin goats. Olsson K, et al. **Acta Physiol Scand** 1983 Jul;118(3):297–9

Blood flow distribution, villous tissue osmolality and fluid and electrolyte transport in the cat small intestine during regional hypotension. Redfors S, et al. **Acta Physiol Scand** 1984 Jul;121(3):193–209

Effects of hemorrhage on intramural blood flow distribution, villous tissue osmolality and fluid and electrolyte transport in the cat small intestine. Redfors S, et al. **Acta Physiol Scand** 1984 Jul;121(3):211–22

Changes in electrolytes, urea and creatinine excretion during dry and wet seasons. Taylor GO, et al. **Afr J Med Med Sci** 1983 Sep-Dec;12(3-4):133–7

Differential effects of complement activation induced by cobra venom factor on pulmonary transvascular fluid and protein exchange. Johnson A, et al. **Am J Pathol** 1984 Mar; 114(3):410–7

Preoptic recess lesions, body fluid compartments, and the renin-aldosterone system. Bealer SL, et al. **Am J Physiol** 1983 Dec;245(6):R901–5

Altered osmotic thresholds for vasopressin secretion and thirst in human pregnancy. Davison JM, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):I 105–9

Ion and water transport by the flounder urinary bladder: salinity dependence. Demarest JR. **Am J Physiol** 1984 Apr; 246(4 Pt 2):F395–401

Area postrema and adjacent nucleus of the solitary tract in water and sodium balance. Hyde TM, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):R173–82

Osmotic control of vasopressin with chronically altered volume states in anephric dogs. Quillen EW Jr, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E355–61

Evidence for cardiac volume-receptor regulation of feline jejunal blood flow and fluid transport. Sjövall H, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G401–10

In vivo effect of volume expansion on rectal gland function. I. Humoral factors. Solomon R, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R63–6

Osmolal excretion after open heart surgery. Read DH, et al. **Anaesthesia** 1983 Nov;38(11):1053–61

Cerebral blood flow and regional potassium distribution during focal ischemia of gerbil brain. Mies G, et al. **Ann Neurol** 1984 Aug;16(2):232–7

Hyponatraemia in the first week of life in preterm infants. Part II. Sodium and water balance. Rees L, et al. **Arch Dis Child** 1984 May;59(5):423–9

A new method for inducing copious drinking and the accompanying stimulation on the pars intermedia of the mouse pituitary gland. Kobayashi Y, et al. **Arch Histol Jpn** 1984 Mar;47(1):71–7

Alterations in hepatic water and electrolyte balance in sepsis. Clemens MG, et al. **Arch Surg** 1984 Jan;119(1):44–8

Prediction of postdialysis serum sodium concentration and transcellular fluid shift without measuring body fluid volumes. Kimura G, et al. **Artif Organs** 1983 Nov; 7(4):410–5

A suspension model for hypokinetic/hypodynamic and antiorthostatic responses in the mouse. Steffen JM, et al. **Aviat Space Environ Med** 1984 Jul;55(7):612–6

The mechanism of action of Escherichia coli heat-stable toxin. de Jonge HR. **Biochem Soc Trans** 1984 Apr; 12(2):180–4

Enterotoxins and ion transport. Rao MC, et al. **Biochem Soc Trans** 1984 Apr;12(2):177–80

Volume regulation of Chinese hamster ovary cells in anisoosmotic media. Sarkadi B, et al. **Biochim Biophys Acta** 1984 Jul 25;774(2):159–68

Indirect determination of fluid filtration and reabsorption in the microcirculation of the myocardium. Kenner T, et al. **Biomed Tech (Berlin)** 1984 May;29(5):108–16

Seawater osmolarity influences bursting pacemaker activity in intact Aplysia californica. Bablanian GM, et al. **Brain Res** 1983 Jul 25;271(2):342–5

Fluid regulation, body weight and drinking responses following hypothalamic knife cuts. Bealer SL, et al. **Brain Res** 1984 Jul 9;305(2):239–45

Volume regulation and metabolism of suspended C6 glioma cells: an in vitro model to study cytotoxic brain edema. Kempski O, et al. **Brain Res** 1983 Nov 21;279(1-2):217–28

Neuroendocrine mechanisms mediating fluid intake during the estrous cycle. Kucharczyk J. **Brain Res Bull** 1984 Feb; 12(2):175–80

Morphology of the organum vasculosum of the lamina terminalis (OVLT) of the sheep. McKinley MJ, et al. **Brain Res Bull** 1983 Dec;11(6):649–57

Evolution and the cardiac patient. Harris P. **Cardiovasc Res** 1983 Aug;17(8):437–45 (67 ref.)

Cell composition as assessed from osmolality and concentrations of sodium, potassium and chloride: total contributions of other substances to osmolality and charge balance. Burton RF. **Comp Biochem Physiol [A]** 1983; 76(1):161–5

Phospholipid composition and metabolism of crustacean gills as related to changes in environmental salinities: relationship between Na+-K+-ATPase activity and phospholipids. Chapelle S, et al. **Comp Biochem Physiol [B]** 1984;78(2):363–72

Osmoregulation and membrane-mediated responses to altered water potential in plant cells. Hendrix DL, et al. **Cryobiology** 1983 Aug;20(4):466–86 (126 ref.)

Hyperosmolarity response of ocular standing potential as a clinical test for retinal pigment epithelium activity. Rhegmatogenous retinal detachment. Kawasaki K, et al. **Doc Ophthalmol** 1984 May 30;57(3):175–80

Hyperosmolarity response of ocular standing potential as a clinical test for retinal pigment epithelium activity. Normative data. Madachi-Yamamoto S, et al. **Doc Ophthalmol** 1984 May 30;57(3):153–62

Hyperosmolarity response of ocular standing potential as a clinical test for retinal pigment epithelium activity. Chorioretinal dystrophies. Yonemura D, et al. **Doc Ophthalmol** 1984 May 30;57(3):163–73

Water and electrolyte balance in workers exposed to a hot environment during their work shift. Gertner A, et al. **Ergonomics** 1984 Feb;27(2):125–34

Endocrine concomitants of sweating and sweat depression. Candas V, et al. **Eur J Applied Physiol** 1984;52(2):225–9

Dehydration and serum biochemical changes in marathon runners. Whiting PH, et al. **Eur J Applied Physiol** 1984; 52(2):183–7

Osmoregulation of amino acid transport activity in cultured fibroblasts. Tramacere M, et al. **Exp Cell Res** 1984 Mar; 151(1):70–9

Surface morphology of the subfornical organ: effects of low and high sodium chloride diet. Gomez RE, et al. **Experientia** 1984 May 15;40(5):492–4

The significance of cortisol for osmoregulation in carp (Cyprinus carpio) and tilapia (Sarotherodon mossambicus). Abo Hegab S, et al. **Gen Comp Endocrinol** 1984 Jun; 54(3):409–17

Neuroendocrine control of hydromineral regulation in the American lobster Homarus americanus H. Milne-Edwards 1837 (Crustacea, Decapoda). 1. Juveniles. Charmantier G, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):8–19

Neuroendocrine control of hydromineral regulation in the American lobster Homarus americanus H. Milne-Edwards, 1837 (Crustacea, Decapoda). 2. Larval and postlarval stages. Charmantier G, et al. **Gen Comp Endocrinol** 1984 Apr;54(1):20–34

Response of prolactin cells in the goldfish adapted to diluted seawater with or without calcium. Olivereau M, et al. **Gen Comp Endocrinol** 1983 Oct;52(1):51–5

Clearance of corticosteroids in yearling coho salmon, Oncorhynchus kisutch, in fresh water and seawater and after stress. Redding JM, et al. **Gen Comp Endocrinol** 1984 Jun;54(3):433–43

Adrenergic control of the anuran cutaneous hydroosmotic response. Yokota SD, et al. **Gen Comp Endocrinol** 1984 Feb;53(2):309–14

Salt and water balance in liver disease. Levy M, et al. **Hosp Pract [Off]** 1984 Jul;19(7):57–71

Urinary kallikrein response to acute saline or water loads in hypertensive and normal humans. Lawton WJ. **Hypertension** 1984 Mar-Apr;6(2 Pt 1):175–83

Electrolyte excretion pattern of normal and hypertensive. Thakur CP, et al. **Indian Heart J** 1983 Nov-Dec; 35(6):329–32

Comparison of the capillary membrane properties determining fluid exchange in single capillaries and whole

organs. Curry FR, et al. **Int J Microcire Clin Exp** 1982; 1(4):381–91 (44 ref.)

Correlation of fluid exchange in the microcirculation and macrocirculation. Diana JN, et al.
Int J Microcire Clin Exp 1982;1(4):393–407 (45 ref.)

Effects of cyclooxygenase and lipoxygenase inhibition on lung fluid balance after thrombin. Bizios R, et al.
J Appl Physiol 1983 Aug;55(2):462–71

Effects of hypoproteinemia and increased vascular pressure on lung fluid balance in sheep. Kramer GC, et al.
J Appl Physiol 1983 Nov;55(5):1514–22

High-frequency ventilation: lymph flow, lymph protein flux, and lung water. Martin D, et al. **J Appl Physiol** 1984 Jul; 57(1):240–5

A model of unsteady-state transvascular fluid and protein transport in the lung. Roselli RJ, et al. **J Appl Physiol** 1984 May;56(5):1389–402

Fluid and electrolyte homeostasis during prolonged exercise at altitude. Withey WR, et al. **J Appl Physiol** 1983 Aug; 55(2):409–12

Water and electrolyte status in children with acute asthma. Bahna SL, et al. **J Asthma** 1984;21(2):73–9

Osmoregulation of alkaline phosphatase synthesis in Escherichia coli K-12. Villarejo M, et al. **J Bacteriol** 1983 Nov;156(2):975–8

Mechanism and control of hyperosmotic NaCl-rich secretion by the rectal gland of Squalus acanthias. Epstein FH, et al. **J Exp Biol** 1983 Sep;106:25–41 (42 ref.)

Chloride cells and the hormonal control of teleost fish osmoregulation. Foskett JK, et al. **J Exp Biol** 1983 Sep; 106:255–81 (170 ref.)

Use of cultured epithelia to study transport and its regulation. Handler JS. **J Exp Biol** 1983 Sep;106:55–69 (89 ref.)

Cellular mechanisms and control of KCl absorption in insect hindgut. Hanrahan JW, et al. **J Exp Biol** 1983 Sep; 106:71–89 (40 ref.)

Plasma and red cell ionic composition in rainbow trout exposed to progressive temperature increases. Houston AH, et al. **J Exp Biol** 1984 May;110:53–67

Control of Na+ and water absorption across vertebrate 'tight epithelia by adh and aldosterone. Lewis SA.
J Exp Biol 1983 Sep;106:9–24 (33 ref.)

Secretion by the Malpighian tubules of Rhodnius prolixus stal: electrical events. O'Donnell MJ, et al. **J Exp Biol** 1984 May;110:275–90

Paracellular and transcellular routes for water and solute movements across insect epithelia. O'Donnell MJ, et al. **J Exp Biol** 1983 Sep;106:231–53 (94 ref.)

Na/K/Cl co-transport and its regulation. Palfrey HC, et al. **J Exp Biol** 1983 Sep;106:43–54 (56 ref.)

Evolution of control of epithelial transport in vertebrates. Pang PK. **J Exp Biol** 1983 Sep;106:283–99 (79 ref.)

Introduction: trends in epithelial transport and control. Phillips J, et al. **J Exp Biol** 1983 Sep;106:3–8

Fluid transport by gallbladder epithelium. Spring KR.
J Exp Biol 1983 Sep;106:181–94 (55 ref.)

The sodium and chloride dependence of chloride secretion by the opercular epithelium. Degnan KJ. **J Exp Zool** 1984 Jul;231(1):11–7

Effects of hypophysectomy on some osmoregulatory parameters of the catfish, Heteropneustes fossilis (Bloch). Parwez I, et al. **J Exp Zool** 1984 Mar;229(3):375–81

Evaporative water loss in the normal adult Thai. Indraprasit S, et al. **J Med Assoc Thai** 1984 Feb;67(2):79–83

Intracellular activities during volume regulation by Necturus gallbladder. Fisher RS, et al. **J Membr Biol** 1984; 78(3):187–99

An experimental study of acute subarachnoid haemorrhage in baboons: changes in cerebral blood volume, blood flow, electrical activity and water content. Kuyama H, et al.
J Neurol Neurosurg Psychiatry 1984 Apr;47(4):354–64

Chronic reset osmoreceptor response, agenesis of the corpus callosum, and hypothalamic cyst. Bannister P, et al.
J Pediatr 1984 Jan;104(1):97–9

Aspects of fluid and electrolyte absorption in the newborn. Milla PJ. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S272–6

Intestinal osmoregulation of single component meals in neonatal piglets. Wolf SA, et al. **J Pediatr Surg** 1983 Dec; 18(6):757–61

Fluid balance during labour: a review. Lind T.
J R Soc Med 1983 Oct;76(10):870–5 (11 ref.)

Dynamic evaluation of renal electrolyte gradient by in situ tissue impedance studies. Sadowski J, et al. **Kidney Int** 1983 Dec;24(6):800–3

Osmoregulation and renal effects of vasopressin in normal and mildly hypertensive subjects. Thibonnier M, et al.
Kidney Int 1984 Feb;25(2):411–5

Dissociation of gluconeogenesis from fluid and phosphate reabsorption in isolated rabbit proximal tubules. Yanagawa N, et al. **Kidney Int** 1984 Jun;25(6):869–73

Muscle intracellular electrolytes in patients with chronic uremia. Bergström J, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S153–60

The role of the adrenergic nervous system in sodium and water excretion. Güllner HG. **Klin Wochenschr** 1983 Nov 2;61(21):1063–6

Cold stress and congenital adrenal hyperplasia heterozygotes. Lyen KR. **Med Hypotheses** 1983 Sep;12(1):77–83

Physiology of fluid and electrolyte responses during inactivity: water immersion and bed rest. Greenleaf JE. **Med Sci Sports Exerc** 1984;16(1):20–5

Cerebral biochemical changes and deficit in brain function over the subchronic phase following a transient cerebral oligemia: a model of chronic cerebrovascular disease. Borzeix MG, et al. **Monogr Neural Sci** 1984;11:229–35

Water, electrolytes contents of the brain and cerebral function in aged rats. Cahn J, et al. **Monogr Neural Sci** 1984;11:85–92

Dehydration in elderly [editorial] Leaf A. **N Engl J Med** 1984 Sep 20;311(12):791–2

Modified method of weighing for accurate fluid balance. Indraprasit S. **Nephron** 1984;37(2):140–1

Factors inducing post-obstructive diuresis in rats. Sophasan S, et al. **Nephron** 1984;38(2):125–33

A compartmentalized, organ-cultured hypothalamo-neurohypophysial system for the study of vasopressin release. Gregg CM, et al.
Neuroendocrinology 1984 May;38(5):397–402

Changes in the vasopressin content of discrete brain regions in response to stimuli for vasopressin secretion. Zerbe RL, et al. **Neuroendocrinology** 1984 Apr;38(4):285–9

A reassessment of the brain mechanisms that control thirst. Grossman SP. **Neurosci Biobehav Rev** 1984 Spring; 8(1):95–104

Role for lateral tegmental noradrenergic neurons in the vasopressin response to hypertonic saline. Lightman SL, et al. **Neurosci Lett** 1983 Nov 21;42(1):55–9

Plasticity in the in vitro neurohypophysis: effects of osmotic changes on pituicytes. Perlmutter LS, et al.
Neuroscience 1984 Jun;12(2):503–11

Spinal substance P transmits bradykinin but not osmotic stimuli from hepatic portal vein to hypothalamus in rat. Stoppini L, et al. **Neuroscience** 1984 Apr;11(4):903–12

Renal sodium and water handling in pregnancy. Barron WM, et al. **Obstet Gynecol Annu** 1984;13:35–69 (204 ref.)

Osmotic regulation of evaporative water loss and body temperature by intracranial receptors in the heat-stressed cat. Doris PA. **Pflugers Arch** 1983 Sep;398(4):337–40

Regional differences in electrolyte, short-chain fatty acid and water absorption in the hindgut of two species of arboreal marsupials. Rübsamen K, et al. **Pflugers Arch** 1983 Sep; 399(1):68–73

Maternal licking of young: resource exchange and proximate controls. Gubernick DJ, et al. **Physiol Behav** 1983 Nov; 31(5):593–601

Removal of Harderian exudates by sandbathing contributes to osmotic balance in Mongolian gerbils. Harriman AE, et al. **Physiol Behav** 1983 Sep;31(3):317–23

Enhanced saline intake and decreased heart rate after area postrema ablations in rat. Kosten T, et al.
Physiol Behav 1983 Dec;31(6):777–85

Postpartum behavior in the mouse: the contribution of suckling stimulation to water intake, food intake and body weight regulation. Mann MA, et al. **Physiol Behav** 1983 Nov;31(5):633–8

A random molecular motion basis for equations of neutral solute and fluid flow. Moffatt DS, et al. **Physiologist** 1983 Oct;26(5):326–8

The organum vasculosum laminae terminalis: a critical area for osmoreception. Ramsay DJ, et al. **Prog Brain Res** 1983; 60:91–8

Regulation of vasopressin release by neurotransmitters, neuropeptides and osmotic stimuli. Sladek CD.
Prog Brain Res 1983;60:71–90 (191 ref.)

Intracellular and extracellular acid–base and electrolyte status of submerged anoxic turtles at 3 degrees C. Jackson DC, et al. **Respir Physiol** 1983 Aug;53(2):187–201

Factors regulating sodium balance in proctocolectomized patients with various ileal resections. Delin K, et al.
Scand J Gastroenterol 1984 Mar;19(2):145–9

The significance of fluid restriction in indomethacin treatment of pain from ureteral stone. Grenabo L, et al. **Scand J Urol Nephrol [Suppl]** 1983;75:39–40

A morphological study on gills of a crab acclimated to fresh water. Barra JA, et al. **Tissue Cell** 1983;15(4):583–96

Responses of salt- and water-regulating hormones during a saturation dive to 31 ATA (SEADRAGON IV). Claybaugh JR, et al. **Undersea Biomed Res** 1984 Mar; 11(1):65–80

Urinary tract disease in cats. Water balance studies, urolith and crystal analyses, and necropsy findings. Lawler DF, et al. **Vet Clin North Am [Small Anim Pract]** 1984 May; 14(3):537–53 (35 ref.)

Effects of changes in endocrine function on water and electrolyte metabolism. Johnston ID. **World J Surg** 1983 Sep;7(5):599–603 (10 ref.)

Evidence of prolactin receptors in the choroid plexus and a possible role in water balance in neonatal brain. Lorenzo AV, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:68–70

[Characteristics of water-electrolyte metabolism in the neonatal period] Velikova R. **Akush Ginekol (Sofiia)** 1983; 22(5):401–6 (54 ref.) **(Bul)**

[Role of alpha 1 adrenergic receptors in water balance in the rat] Auriac A, et al. **J Pharmacol** 1983 Jul–Sep; 14(3):351–60 (Eng. Abstr.) **(Fre)**

[Colloid osmotic pressure values of respiratory insufficiency in neonates of various gestational ages. Comparative presentation of measured and calculated values] Abel M, et al. **Infusionsther Klin Ernahr** 1984 Feb;11(1):35–8 (Eng. Abstr.) **(Ger)**

[Serum osmolality determination in childhood] Töpke B, et al. **Kinderarztl Prax** 1984 Jun;52(6):280–3 (Eng. Abstr.) **(Ger)**

[Renal acid excretion and renal molar load in healthy children and adults] Manz F, et al. **Monatsschr Kinderheilkd** 1984 Mar;132(3):163–7 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of nuclear medicine determination of extravascular lung water] Frenkel VC, et al.
Radiol Diagn (Berl) 1983;24(5):691–6 (Eng. Abstr.) **(Ger)**

[Body fluids: water-electrolyte metabolism and acid–base equilibrium] **Nippon Rinsho** 1983 Aug;41 Suppl:1–1276 **(Jpn)**

[Water-sodium metabolism and neuropeptides] Itoh S.
Nippon Rinsho 1983 May;41(5):957–62 (18 ref.) **(Jpn)**

[Measurement of electric impedance of extremities and its clinical application] Kanai H. **Rinsho Byori** 1983 Oct;Spec No 57:90–104 **(Jpn)**

[Regulation of gene expression by a small RNA transcript (micRNA): osmoregulation in E. coli] Mizuno T.
Seikagaku 1984 Feb;56(2):113–9 (36 ref.) **(Jpn)**

[Various aspects of disorders of water-electrolyte metabolism in chronic renal failure] Manitius A.
Pol Arch Med Wewn 1984 Mar;71(3):183–93 **(Pol)**

[Intraoperative observation of changes in acid–base equilibrium and water-electrolyte balance in cerebral ischemia syndrome] Mrówka R. **Wiad Lek** 1983 Aug 1; 36(15):1269–74 (Eng. Abstr.) **(Pol)**

[Osmoregulatory function of the kidneys in pregnant women with nephropathies] Dikusarov VV.
Akush Ginekol (Mosk) 1983 Dec;(12):13–5 (Eng. Abstr.) **(Rus)**

[Osmotic homeostatic characteristics of pregnant women with diabetes mellitus and of their fetuses] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1984 Jun;(6):53–6 (Eng. Abstr.) **(Rus)**

[Possibilities of deposition of electrolytes in the skin in different states of water-salt metabolism] Arkhibasova VI, et al. **Fiziol Zh SSSR** 1983 Oct;69(10):1352–6 (Eng. Abstr.) **(Rus)**

[Relation between osmo- and volume-regulation in mammals with different renal capacities for osmotic concentration of urine] Nemin IuG, et al. **Fiziol Zh SSSR** 1983 Aug; 69(8):1092–8 (Eng. Abstr.) **(Rus)**

[Cholinergic aspects of the peripheral regulation of water and salt solution intake] Salei AP. **Fiziol Zh SSSR** 1984 Apr;70(4):487–91 (Eng. Abstr.) **(Rus)**

[Electrolyte balance and acid–base status in obese patients at early periods following jejuno-ileal shunt surgery] Vavilova TV, et al. **Klin Khir** 1984 Mar;(3):63 **(Rus)**

[Hypothalamo-hypophyseal neurosecretory system of ecologically different forms of sturgeon during adaptation to hypertonic environments] Kraiushkina LS, et al.
Nerv Sist 1983;24:93–103 **(Rus)**

[Osmoregulatory function of the kidney in children with rheumatism] Androsova ZG, et al. **Pediatriia** 1984 May; (5):41–3 (Eng. Abstr.) **(Rus)**

[Aqueous media and water-salt metabolism in the circulatory bed of patients operated on for pulmonary tuberculosis] Kagalovskil GM, et al. **Probl Tuberk** 1984 Jun;(6):46–9 (Eng. Abstr.) **(Rus)**

[Water-salt metabolism in periodontosis patients] Valieva RM, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):52–3 (Eng. Abstr.) **(Rus)**

[Aspects of the water-electrolyte balance and kidney function in hypertension patients] Ibragimova MSh, et al.
Ter Arkh 1984;56(2):113–8 (Eng. Abstr.) **(Rus)**

[Dynamics of water-salt metabolic indices in chronic glomerulonephritis patients being treated with dry heat] Sidorova LD, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1984 Jan–Feb;(1):43–5 (Eng. Abstr.) **(Rus)**

[Changes in kidney function during work in the hot shops of a metallurgical plant] Dorofeeva VI, et al.
Vrach Delo 1983 Jun;(6):39–41 (Eng. Abstr.) **(Rus)**

[Sodium and chlorine reabsorption system in the kidney of fetal and neonatal rats] Reznik LV, et al.
Zh Evol Biokhim Fiziol 1983 Jul–Aug;19(4):428–31 (Eng. Abstr.) **(Rus)**

[An attempt to balance the water and electrolyte equilibrium in a sauna] Strec V, et al. **Cas Lek Cesk** 1984 May 11; 123(19):572–7 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Studies of the factors modulating antidiuretic hormone excretion in man in response to the osmolar stimulus: effects of oestrogen and angiotensin II. Vallotton MB, et al.
Acta Endocrinol (Copenh) 1983 Nov;104(3):295–302

Effects of reserpinization on the electrolytes distribution in inner ear fluids of guinea pig. Kanoh N, et al.
Acta Otolaryngol (Stockh) 1984 Jul–Aug;98(1–2):98–104

Changes of water and electrolyte metabolism in ruminants after water deprivation and NaCl load. Szegedi B, et al.
Acta Physiol Acad Sci Hung 1982;60(4):183–8

Humoral factors involved in the regulation of sodium-fluid balance in normal man. I. Effect of dietary sodium chloride intake on renal prostaglandins, vasopressin and renin-angiotensin-aldosterone system. Somova L, et al.
Acta Physiol Pharmacol Bulg 1984;10(1):21–8

Induced development of proximal tubular NaKATPase, basolateral cell membranes and fluid reabsorption. Aperia A, et al. **Acta Physiol Scand** 1984 Jun;121(2):133–41

Renal adaptation to sodium deprivation. Effect of captopril in the rat. Mimran A, et al. **Am J Med** 1984 May 31; 76(5B):14–21 (37 ref.)

Renal effects of overhydration during vasopressin infusion

in conscious dogs. Bie P, et al. **Am J Physiol** 1984 Jul;247(1 Pt 2):F103–9

Effects of chronic estrogen treatment on water exchange in rats. Carlberg KA, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E101–10

Role of enkephalins in regulation of basal intestinal water and ion absorption in the rat. Fogel R, et al. **Am J Physiol** 1984 Apr;246(4 Pt 1):G386–92

The influence of corticosteroids on ileostomy discharge of patients operated for ulcerative colitis. Feretis CB, et al. **Am Surg** 1984 Aug;50(8):433–6

The calcium antagonist nisoldipine stimulates the electrolyte transport of the isolated frog skin. Wiederholt M, et al. **Biochem Pharmacol** 1984 Sep 15;33(18):2926–8

Inhibition of cholera toxin–induced secretion by neuroleptics. Larsen JJ, et al. **Biochem Soc Trans** 1984 Apr;12(2):211–4

Maximal flux responses after multiple challenges with vasopressin. Rubin MS, et al. **Biochim Biophys Acta** 1984 Jul 11;774(1):26–34

Effect of para-chloromercuribenzenesulfonic acid and temperature on cell water osmotic permeability of proximal straight tubules. Whittembury G, et al. **Biochim Biophys Acta** 1984 Sep 5;775(3):365–73

Differing effects of prolactin on the water content of individual tissues in the rabbit pup at 72 h of age. Coulter DM. **Biol Neonate** 1984;46(3):131–8

The effect of tocopherol and dimethyl sulfoxide on focal edema and lipid peroxidation induced by isocortical injection of ferrous chloride. Willmore LJ, et al. **Brain Res** 1984 Apr 2;296(2):389–92

Osmoregulation in Klebsiella pneumoniae: enhancement of anaerobic growth and nitrogen fixation under stress by proline betaine, gamma-butyrobetaine, and other related compounds. Le Rudulier D, et al. **Can J Microbiol** 1984 Mar;30(3):299–305

Clinical pharmacology of diuretic drugs. Brest AN. **Cardiovasc Clin** 1984;14(3):31–8

The effects of captopril on blood pressure, urinary water and electrolyte excretion and drinking behaviour in Brattleboro rats. Gardiner SM, et al. **Clin Sci** 1983 Dec; 65(6):589–97

Water balance and protein intake in the Mongolian gerbil (Meriones unguiculatus). Edwards BA, et al. **Comp Biochem Physiol [A]** 1983;76(4):807–15

Effect of ionic changes, amino acids, and metabolic inhibitors on hydraulic conductivity of the isolated rabbit iris–ciliary body. Green K, et al. **Curr Eye Res** 1984 Jul;3(7):929–37

Reduction of hypothalamic norepinephrine does not alter the osmoregulation of vasopressin in rats. Kamoi K, et al. **Endocrinology** 1984 Jun;114(6):2123–7

Clonidine, acebutolol and their interaction in essential hypertension: effects on blood pressure and the control of water and electrolyte balance. Plouin PF, et al. **Eur Heart J** 1983 Nov;4 Suppl G:7–11

Correlation between cAMP in isolated frog skin epithelium and stimulation of sodium transport and osmotic water flow by antidiuretic hormone and phosphodiesterase inhibitors. Johnsen AH, et al. **Gen Comp Endocrinol** 1984 Apr; 54(1):144–53

Effects of prolactin and environmental calcium on osmotic water permeability of the gills in the eel, Anguilla japonica. Ogasawara T, et al. **Gen Comp Endocrinol** 1984 Feb; 53(2):315–24

Urinary excretion, osmolarity and electrolytes after bolus-injection of fenoterol in female rabbits. Grospietsch G, et al. **Gynecol Obstet Invest** 1984;17(6):317–25

Effect of complement depletion on lung fluid balance after thrombin. Johnson A, et al. **J Appl Physiol** 1983 Nov; 55(5):1480–5

Aldosterone effects on water and electrolyte metabolism. Kenyon CJ, et al. **J Endocrinol** 1984 Jan;100(1):93–100

Effects of ethacrynic acid in the newborn infant. Scalais E, et al. **J Pediatr** 1984 Jun;104(6):947–50

Circulatory and osmoregulatory effects of angiotensin II perfusion of the third ventricle in a bird with salt glands. Gerstberger R, et al. **J Physiol (Lond)** 1984 Apr;349:167–82

Drinking and renal responses to peripherally administered osmotic stimuli in the pigeon (Columbia livia). Thornton SN. **J Physiol (Lond)** 1984 Jun;351:501–15

Effects of oral furosemide and salt loading on parathyroid function in normal subjects. Physiological basis for renal hypercalciuria. Fujita T, et al. **Nephron** 1984;38(2):109–14

Vasopressin fails to restore postnatally the stunted brain development in the Brattleboro rat, but affects water metabolism permanently. Boer GJ, et al. **Neurobehav Toxicol Teratol** 1984 Mar-Apr;6(2):103–9

Renal function and pituitary hormone release during cerebral osmostimulation and TRH in dogs. Huffman LJ, et al. **Peptides (Fayetteville)** 1983 Nov-Dec;4(6):843–7

Differential effects of DOCA on renal and gastrointestinal handling of sodium and potassium in pigs. Grigorian ME, et al. **Proc Soc Exp Biol Med** 1983 Nov;174(2):265–9

Effects of rat atrial extract on sodium transport and blood pressure in the rat. Pamnani MB, et al. **Proc Soc Exp Biol Med** 1984 Jun;176(2):123–31

Observations with 'Hunyadi János' medicinal water at an obstetric ward. Varga J, et al. **Ther Hung** 1981;29(3):138–40

[Prograde colonic irrigation without disturbance of the water-electrolyte balance] Peerenboom H, et al. **Dtsch Med Wochenschr** 1983 Dec 23;108(51-52):1959–64 (Eng. Abstr.) **(Ger)**

[Electrolyte excretion following administration of various diuretics in healthy females] Matzkies F, et al. **Fortschr Med** 1984 Feb 9;102(6):133–7 (Eng. Abstr.) **(Ger)**

[Furosemide effects in patients with chronic renal insufficiency] Sperschneider H, et al. **Z Gesamte Inn Med** 1984 Jun 1;39(11):261–5 (Eng. Abstr.) **(Ger)**

[The effects of L- and D,L-lactated Ringer's solutions on body fluids and lactate metabolism during surgery] Kitamura S, et al. **Masui** 1984 Feb;33(2):148–53 (Eng. Abstr.) **(Jpn)**

[Effect of sodium oxybutyrate on changes in the electrolyte balance and acid–base equilibrium in labor] Miroshnichenko VP, et al. **Akush Ginekol (Mosk)** 1983 Aug;(8):31–2 (Eng. Abstr.) **(Rus)**

[Changes in the electrolyte balance and the transmural differential in the potentials of the blood vessel wall during the administration of spironolactone and its combination with euphylline] Erikov VM. **Farmakol Toksikol** 1984 Jan-Feb;47(1):63–7 (Eng. Abstr.) **(Rus)**

[Water–electrolyte and hemodynamic aspects of the lasix test in patients with various courses of hypertension] Kharchenko VI, et al. **Kardiologiia** 1983 Dec;23(12):32–9 (Eng. Abstr.) **(Rus)**

[Effect of insulin on kidney function and water–electrolyte balance in intact dogs and dogs with alloxan diabetes] Belikova FS. **Probl Endokrinol (Mosk)** 1983 Nov-Dec; 29(6):76–9 **(Rus)**

[Effect of lithium on water–salt metabolism in the frog Rana temporaria] Vasil'eva VF, et al. **Zh Evol Biokhim Fiziol** 1984 Mar-Apr;20(2):178–83 (Eng. Abstr.) **(Rus)**

[Regulation of the blood water–saline composition in the frog Rana ridibunda during intravenous administration of hypertonic solutions of sodium chloride] Goncharevskaia OA, et al. **Zh Obshch Biol** 1983 Jul-Aug;44(4):547–52 (Eng. Abstr.) **(Rus)**

WATER-ELECTROLYTE IMBALANCE

Hormonal disturbances of fluid–electrolyte metabolism under altitude exposure in man. Okazaki S, et al. **Aviat Space Environ Med** 1984 Mar;55(3):200–5

Annotated bibliography on nephrology, hypertension, fluid and electrolyte disorders. Slick GL. **J Am Osteopath Assoc** 1984 Feb;83(6):450–55

BLOOD

Severe hyperuricemia in patients with volume depletion. Feinstein EI, et al. **Am J Nephrol** 1984 Mar-Apr;4(2):77–80

[Sodium and potassium imbalance in the aged] Saruta T. **Nippon Rinsho** 1983 Oct;41(10):2306–12 **(Jpn)**

[Features of the hormonal regulation of water–electrolyte balance in patients with tumors of the chiasmatic–sellar area in the early postoperative period] Usvatova IIa, et al. **Zh Vopr Neirokhir** 1984 Jan-Feb;(1):10–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Dimethyl sulphoxide (DMSO) induced serum hyperosmolality. Wolf P, et al. **Clin Biochem** 1983 Aug; 16(4):261–2

COMPLICATIONS

Hypothesis revisited: cystic fibrosis: a disturbance of water and electrolyte movement in exocrine secretory tissue associated with altered prostaglandin (PGE2) metabolism? Anderson CM. **J Pediatr Gastroenterol Nutr** 1984; 3(1):15–22

[Various hormonal interrelations in idiopathic edema] Atamanova TM, et al. **Probl Endokrinol (Mosk)** 1983 Sep-Oct;29(5):20–7 (Eng. Abstr.) **(Rus)**

[New indices of electrolyte metabolism in patients with obstructive jaundice] Dol'nikov NA, et al. **Vestn Khir** 1984 Apr;132(4):129–32 **(Rus)**

DIAGNOSIS

[Clinical testing of a computer model for the study of acid–base and water–electrolyte metabolism] Ponce P, et al. **Acta Med Port** 1984 Jan;5(1):3–6 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Kinetics of urinary furosemide elimination in infants. Prandota J, et al. **Dev Pharmacol Ther** 1984;7(4):273–84

Restoration of ultrafiltration capacity of peritoneal membrane in patients on CAPD. Bazzato G, et al. **Int J Artif Organs** 1984 Mar;7(2):93–6

[Chronopharmacological basis for the therapy of water–salt imbalance in patients with stomach cancer] Zhivetskii AV, et al. **Vopr Onkol** 1984;30(7):75–80 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Rotavirus–induced electrolyte losses in a patient with ileostomy. Grill BB, et al. **Am J Dis Child** 1983 Nov; 137(11):1127–8

Hypo–osmolal syndrome due to prolonged nausea. Coslovsky R, et al. **Arch Intern Med** 1984 Jan;144(1):191–2

Hormonal abnormalities affecting sodium and water balance in acute respiratory failure due to chronic obstructive lung disease. Farber MO, et al. **Chest** 1984 Jan;85(1):49–54

Role of plasma vasopressin in the impairment of water excretion in nephrotic syndrome. Usberti M, et al. **Kidney Int** 1984 Feb;25(2):422–9

The effects of alcohol on blood pressure and electrolytes. Kaysen G, et al. **Med Clin North Am** 1984 Jan;68(1):221–46 (156 ref.)

Oncologic emergencies: metabolic derangements of clinical importance. Myers WP, et al. **Prog Clin Biol Res** 1983; 132D:337–46

[Pregnancy following ileo–jejunal bypass operations with particular attention to disorders of electrolyte balance] Vejtorp M, et al. **Ugeskr Laeger** 1984 Feb 27;146(9):644–6 (Eng. Abstr.) **(Dan)**

[Effect of chronic alcohol abuse on water–electrolyte balance as well as lipid metabolism] Wehling M, et al. **Schweiz Rundsch Med Prax** 1984 May 1;73(18):587–90 (Eng. Abstr.) **(Ger)**

[Etiology of water and electrolyte metabolism imbalance following the rupture of cerebral aneurysms—with special reference to preoperative condition] Miyasaka Y, et al. **No Shinkei Geka** 1984 May;12(6):699–706 (Eng. Abstr.) **(Jpn)**

[Correction of electrolyte imbalance by treatment with covalitin in renoureteral lithiasis of the oxalic type] Poenaru A, et al. **Rev Med Interna [Med Interna]** 1983 Sep-Oct; 35(5):471–6 (Eng. Abstr.) **(Rum)**

METABOLISM

Fluid and electrolyte disorders. Potassium. Allison SP. **Br J Hosp Med** 1984 Jul;32(1):19–22

Fluid and electrolyte disorders. Sodium. Barton IK, et al. **Br J Hosp Med** 1984 Jul;32(1):15–8

Fluid and electrolyte disorders. Water. Willatts SM. **Br J Hosp Med** 1984 Jul;32(1):8–14

Impaired osmoregulation at high altitude. Studies on Mt Everest. Blume FD, et al. **JAMA** 1984 Jul 27;252(4):524–6

Natriuretic effect of naloxone in fasted, water–loaded rats. Walker LA, et al. **Pharmacology** 1984;28(4):223–7

[Pharmacokinetics and electrolyte balance following administration of furosemide in pregnant women with E gestosis] Peiker G, et al. **Pharmazie** 1984 May;39(5):336–9 (Eng. Abstr.) **(Ger)**

[Potassium activity in the extracellular fluid of rats in body imbalance] Sokolova MM, et al. **Fiziol Zh SSSR** 1983 Dec; 69(12):1621–5 **(Rus)**

[Electrolyte balance corrections in patients with acute odontogenic inflammatory processes] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1983 Sep-Oct;62(5):48–50 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The impairment of osmoregulation in the rat offsprings of hyperadiuretic mothers is probably of renal nature. Lichardus B, et al. **Exp Clin Endocrinol** 1983 Jul; 82(1):107–10

Explanation of the pseudohypoaldosteronism (PHA)–stress syndrome with an artificial aldosterone receptor model. Herkner K, et al. **J Steroid Biochem** 1984 Jan;20(1):317–20

Abnormalities of thirst regulation. Robertson GL. **Kidney Int** 1984 Feb;25(2):460–9

Common clinical electrolyte disorders. Barratt LJ. **Med J Aust** 1983 Jul 23;2(2):84–6

Fluid and electrolytes in liver disease. Satta A, et al. **Postgrad Med J** 1983;59 Suppl 4:64–72

Intramembranous particle clusters in collecting duct cells of rats. Influence of water balance. Edwards BR, et al. **Renal Physiol** 1983;6(6):275–80

PREVENTION & CONTROL

[Effect of various perfusion media on changes in colloid osmotic pressure during surgery with artificial circulation] Divonin AL. **Anesteziol Reanimatol** 1984 May-Jun;(3):11–3 (Eng. Abstr.) **(Rus)**

THERAPY

Enteral glucose–polymer–electrolyte solution in the treatment of chronic fluid and electrolyte depletion in short-bowel syndrome. Laustsen J, et al. **Acta Chir Scand** 1983;149(8):787–8

Sequential ultrafiltration in children on periodic hemodialysis. López-Uriarte A, et al. **Arch Invest Med (Mex)** 1983;14(3):275–86 **(Eng, Spa)**

The pathophysiology of the jejunal conduit syndrome and its exacerbation by parenteral hyperalimentation. Bonnheim DC, et al. **J Surg Oncol** 1984 Jul;26(3):172–5

[Computerized assistance in the diagnosis and therapy of changes in acid–base and water–electrolyte balance] Ponce P, et al. **Acta Med Port** 1983 Nov-Dec;4(11-12):485–90 (Eng. Abstr.) **(Por)**

[Correction of aqueous sector disorders in the complex treatment of acute pancreatitis patients] Nesterenko IuA, et al. **Anesteziol Reanimatol** 1984 May-Jun;(3):34–7 (Eng. Abstr.) **(Rus)**

[Correction of water–electrolyte and acid–base imbalance in patients with chronic renal failure by gastrointestinal dialysis] Briker VA, et al. **Sov Med** 1984;(4):28–34 (Eng. Abstr.) **(Rus)**

VETERINARY

Effects of dietary chloride restriction in lactating dairy cows. Fettman MJ, et al. **J Am Vet Med Assoc** 1984 Jul 15;

185(2):167-72
Hyperosmotic oral replacement fluid for diarrheic calves. Jones R, et al. **J Am Vet Med Assoc** 1984 Jun 15; 184(12):1501-5

WATER INTOXICATION

see related
WATER-ELECTROLYTE BALANCE

BLOOD

[Effect of an antidiuretic hormone on the aldosterone level in the blood plasma of rats with chronic water load and limited sodium intake] Shul'ga VA.
Biull Eksp Biol Med 1984 Aug;97(8):137-9 (Eng. Abstr.) (Rus)

CHEMICALLY INDUCED

Water intoxication in infants caused by the urine concentration test with vasopressin analogue (DDAVP). Koskimies O, et al. **Acta Paediatr Scand** 1984 Jan; 73(1):131-2

COMPLICATIONS

Fatal brain oedema due to accidental water intoxication. Anastassiades E, et al. **Br Med J [Clin Res]** 1983 Oct 22; 287(6400):1181-2
Evaluation of patients with self-induced water intoxication and schizophrenic disorders (SIWIS). Vieweg WV, et al. **J Nerv Ment Dis** 1984 Sep;172(9):552-5
Severe opisthotonus and trismus associated with water intoxication [letter] Eisbruch A, et al. **J R Soc Med** 1984 Feb;77(2):158
Psychosis associated with water intoxication: psychogenic polydipsia or concomitant dopaminergic supersensitivity disorders? [letter] Jones BD. **Lancet** 1984 Sep 1; 2(8401):519-20
Generalized seizures from self-induced water intoxication. Jos CJ. **Psychosomatics** 1984 Feb;25(2):153, 157
[Brain death and pulmonary edema caused by oral water intoxication in a paranoid-hallucinatory psychosis (letter)] Vogel H, et al. **Dtsch Med Wochenschr** 1984 May 25; 109(21):845-7 (Ger)

DRUG THERAPY

Partial reversal of carbamazepine-induced water intolerance by demeclocycline. Ballardie FW, et al.
Br J Clin Pharmacol 1984 Jun;17(6):763-5

ENZYMOLOGY

Selected diencephalic structures in conditions of changed water balance of the organism. II. Activity of hydrolytic enzymes in circumventricular organs of the third ventricle in rats after water encumberance. Czewczyk T, et al.
Folia Morphol (Warsz) 1983;42(2):73-88

ETIOLOGY

... and water intoxication [letter] Warner M, et al.
Br J Psychiatry 1984 Mar;144:332-3
Herbal teas and water intoxication in a young child. Lipsitz DJ. **J Fam Pract** 1984 Jun;18(6):933, 936-7
Acute water intoxication complicating transurethral resection of the prostate. Day JO. **J Med Assoc Ga** 1983 Dec; 72(12):845-6
Psychosis, inappropriate antidiuretic hormone secretion, and water intoxication [letter] Khamnei AK. **Lancet** 1984 Apr 28;1(8383):963
[Toxicological and hygienic characteristics of retting fluid] Kovalev VM, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):53-4 (Rus)
[Hazards of babies swimming] Svan H, et al.
Lakartidningen 1984 Aug 22;81(34):2910 (Swe)

PATHOLOGY

Dilute the poison--a case of fatal water intoxication. Sarvesvaran R. **Med Sci Law** 1984 Apr;24(2):92-4

PHYSIOPATHOLOGY

Hypothalamic dopamine receptor supersensitivity? A pilot study of self-induced water intoxication. Shen WW, et al.
Psychiatr J Univ Ottawa 1983 Sep;8(3):154-8

PREVENTION & CONTROL

Overhydration: precautions when treating urinary incontinence. Thompson T, et al. **Ment Retard** 1983 Aug; 21(4):139-43

WATER LOSS, INSENSIBLE

Transepidermal water loss in newborn infants. VIII. Relation to gestational age and post-natal age in appropriate and small for gestational age infants. Hammarlund K, et al.
Acta Paediatr Scand 1983 Sep;72(5):721-8
Transepidermal water loss in newborn infants. X. Effects of central cold-stimulation on evaporation rate and skin blood flow. Strömberg B, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):735-9
Transepidermal water loss in newborn infants. IX. The relationship between skin blood flow and evaporation rate in fullterm infants nursed in a warm environment. Strömberg B, et al. **Acta Paediatr Scand** 1983 Sep; 72(5):729-33
Soft contact lenses and clinical disease [letter] Lemp MA. **Am J Ophthalmol** 1983 Nov;96(5):692-3
Skin evaporative water loss (SE) and skin conductance (SC) under various psychophysiological conditions. Muthny FA, et al. **Biol Psychol** 1983 May-Jun;16(3-4):241-53
Respiratory water loss as a stimulus to exercise-induced bronchoconstriction. Sheppard D, et al.
J Allergy Clin Immunol 1984 May;73(5 Pt 2):640-2
Relation of respiratory water loss to coughing after exercise. Banner AS, et al. **N Engl J Med** 1984 Oct 4;311(14):883-6
Osmotic regulation of evaporative water loss and body temperature by intracranial receptors in the heat-stressed cat. Doris PA. **Pflugers Arch** 1983 Sep;398(4):337-40
Respiratory water loss as a function of ventilatory or environmental factors. Ferrus L, et al. **Respir Physiol** 1984 Apr;56(1):11-20
[Insensible water loss through the skin in the newborn infant] Sedin G, et al. **Kinderarztl Prax** 1983 Oct;51(10):455-8 (Eng. Abstr.) (Ger)
[Water loss from the skin of preterm and newborn infants under phototherapy with standard-blue-light] Stornowski C. **Monatsschr Kinderheilkd** 1983 Jul;131(7):448-50 (Eng. Abstr.) (Ger)
[Cutaneous evaporimetry. VIII. Cutaneous water loss in Somalian newborn infants] De Luca R, et al.
Boll Soc Ital Biol Sper 1984 Jan 30;60(1):161-4 (Eng. Abstr.) (Ita)
[Cutaneous evaporimetry. IX. Cutaneous water loss in old age] De Luca R, et al. **Boll Soc Ital Biol Sper** 1984 Jan 30;60(1):165-7 (Eng. Abstr.) (Ita)
[Cutaneous evaporimetry. VII. Cutaneous water loss in Basedow's disease] De Luca R, et al.
Boll Soc Ital Biol Sper 1984 Jan 30;60(1):157-9 (Eng. Abstr.) (Ita)
[Measurement of cutaneous evaporation. 5. Cutaneous water loss in peripheral vascular disease] De Luca R, et al.
Boll Soc Ital Biol Sper 1983 Oct 30;59(10):1496-8 (Eng. Abstr.) (Ita)
[Measurement of cutaneous evaporation. 4. Cutaneous water loss in heart disease] De Luca R, et al.
Boll Soc Ital Biol Sper 1983 Oct 30;59(10):1492-5 (Eng. Abstr.) (Ita)
[Measurement of cutaneous evaporation. 6. Cutaneous water loss in the people of Somalia] De Luca R, et al.
Boll Soc Ital Biol Sper 1983 Oct 30;59(10):1499-501 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Effects of human albumin infusion on transepidermal water loss in newborn infants. Hammarlund K, et al.
Biol Neonate 1984;45(3):112-8

RADIATION EFFECTS

Technical note: on changes in evaporative heat loss that result from exposure to nonionizing electromagnetic radiation. Adair ER, et al. **J Microwave Power** 1983 Jun;18(2):209-11

WATER MICROBIOLOGY

Incidence of Pseudomonas aeruginosa serogroups in drinking water: use of serotyping in the control of water supplies. Kiss P, et al. **Acta Microbiol Hung** 1983;30(2):131-7
Phage typing of Listeria monocytogenes in Hungary. Ralovich B, et al. **Acta Microbiol Hung** 1983;30(2):103-11
Plankton photosynthesis, extracellular release and bacterial utilization of released dissolved organic carbon (RDOC) in lakes of different trophy. Chróst RJ.
Acta Microbiol Pol 1983;32(3):275-87
A simplified method for coliphage detection in natural waters. Isbister JD, et al. **Acta Microbiol Pol** 1983; 32(2):197-206
Effect of microbiological hydrolysis of urea on the nitrification process. Krogulska B, et al.
Acta Microbiol Pol 1983;32(4):373-80
Bacterial microflora participating in the removal of nitrogen from industrial wastewaters by nitrification and denitrifaction. Krogulska B, et al. **Acta Microbiol Pol** 1984; 33(1):67-76
Denitrification of high concentrations of nitrites and nitrates in synthetic medium with different sources of organic carbon. II. Ethanol. Mycielski R, et al.
Acta Microbiol Pol 1983;32(4):381-8
Accumulation metabolism, and effects of organophosphorus insecticides on microorganisms. Lal R.
Adv Appl Microbiol 1982;28:149-200 (208 ref.)
Enumeration of indicator bacteria exposed to chlorine. McFeters GA, et al. **Adv Appl Microbiol** 1983;29:177-93
Estimation of risk due to low doses of microorganisms: a comparison of alternative methodologies. Haas CN.
Am J Epidemiol 1983 Oct;118(4):573-82
Contaminated condensate in mechanical ventilator circuits [letter] Paluch BR. **Am Rev Respir Dis** 1984 Sep; 130(3):531-2
Epidemiology of infection by nontuberculous mycobacteria. IV. Preferential aerosolization of Mycobacterium intracellulare from natural waters. Parker BC, et al.
Am Rev Respir Dis 1983 Oct;128(4):652-6
Legionella pneumophila contamination of a hospital humidifier. Demonstration of aerosol transmission and subsequent subclinical infection in exposed guinea pigs. Zuravleff JJ, et al. **Am Rev Respir Dis** 1983 Oct; 128(4):657-61
Pigmented strains of Yersinia intermedia isolated from water. Melis R, et al. **Ann Microbiol (Paris)** 1983 Sep-Oct; 134(2):347-51
Some aspects of the ecophysiology of cyanobacteria. Mur LR. **Ann Microbiol (Paris)** 1983 Jul-Aug;134B(1):61-72
Factors affecting the enumeration of coliphages in sewage and sewage-polluted waters. Havelaar AH, et al.
Antonie Van Leeuwenhoek 1983 Nov;49(4-5):387-97
Enterobacteriaceae as indicators of good manufacturing practices in rendering plants. van Schothorst M, et al.
Antonie Van Leeuwenhoek 1984;50(1):1-6
Trypsin-treated Ma-104: a sensitive cell line for isolating enteric viruses from environmental samples. Agbalika F, et al. **Appl Environ Microbiol** 1984 Feb;47(2):378-80
Ghost cells as sorption matrix for virus concentration from water. Armon R, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1337-40
Effects of nutrient deprivation on Vibrio cholerae. Baker RM, et al. **Appl Environ Microbiol** 1983 Oct;46(4):930-40
Assessment of bacterial growth and total organic carbon removal on granular activated carbon contactors. Bancroft K, et al. **Appl Environ Microbiol** 1983 Sep;46(3):683-8
Metabolic and ultrastructural response to glucose of two eurytrophic bacteria isolated from seawater at different enriching concentrations. Baxter M, et al.
Appl Environ Microbiol 1984 Jan;47(1):31-8
Biotyping and virulence factors in clinical and environmental isolates of Aeromonas species. Burke V, et al.
Appl Environ Microbiol 1984 May;47(5):1146-9
Bacterial interference with coliform colony sheen production on membrane filters. Burlingame GA, et al.
Appl Environ Microbiol 1984 Jan;47(1):56-60
Association of metal tolerance with multiple antibiotic resistance of bacteria isolated from drinking water. Calomiris JJ, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1238-42
Legionella sainthelensi: a new species of Legionella isolated from water near Mt. St. Helens. Campbell J, et al.
Appl Environ Microbiol 1984 Feb;47(2):369-73
Bacteriological analysis of water by potentiometric measurement of lipoic acid reduction: preliminary assays for selective detection of indicator organisms. Charriere G, et al. **Appl Environ Microbiol** 1984 Jan;47(1):160-6
Modification of delayed-incubation procedure for detection of fecal coliforms in water. Chen M, et al.
Appl Environ Microbiol 1983 Oct;46(4):889-93
Pasteurization of naturally contaminated water with solar energy. Ciochetti DA, et al. **Appl Environ Microbiol** 1984 Feb;47(2):223-8
Processing and transport of environmental virus samples. Dahling DR, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1272-6
Malachite green-INT (MINT) method for determining active bacteria in sewage. Dutton RJ, et al.
Appl Environ Microbiol 1983 Dec;46(6):1263-7
Determinants of the microbiological characteristics of South Australian swimming pools. Esterman A, et al.
Appl Environ Microbiol 1984 Feb;47(2):325-8
Bacteria associated with crabs from cold waters with emphasis on the occurrence of potential human pathogens. Faghri MA, et al. **Appl Environ Microbiol** 1984 May; 47(5):1054-61
Response of marine bacterioplankton to differential filtration and confinement. Ferguson RL, et al.
Appl Environ Microbiol 1984 Jan;47(1):49-55
Effectiveness of 1-bromo-3-chloro-5,5-dimethylhydantoin against Legionella pneumophila in a cooling tower. Fliermans CB, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1307-10
Use of 31P nuclear magnetic resonance spectroscopy and electron microscopy to study phosphorus metabolism of microorganisms from wastewaters. Florentz M, et al.
Appl Environ Microbiol 1984 Mar;47(3):519-25
Effect of noncoliforms on coliform detection in potable groundwater: improved recovery with an anaerobic membrane filter technique. Franzblau SG, et al.
Appl Environ Microbiol 1984 Jul;48(1):142-8
Pragmatic criteria to distinguish psychrophiles and psychrotrophs in ecological systems. Gow JA, et al.
Appl Environ Microbiol 1984 Jan;47(1):213-5
Inactivation of hepatitis A virus and indicator organisms in water by free chlorine residuals. Grabow WO, et al.
Appl Environ Microbiol 1983 Sep;46(3):619-24
Simultaneous concentration of four enteroviruses from tap, waste, and natural waters. Guttman-Bass N, et al.
Appl Environ Microbiol 1984 Jun;47(6):1311-5
Development and testing of a filter system for isolation of Giardia lamblia cysts from water. Hausler WJ Jr, et al.
Appl Environ Microbiol 1984 Jun;47(6):1346-7
Comparison of methods to measure acute metal and organometal toxicity to natural aquatic microbial communities. Jonas RB, et al. **Appl Environ Microbiol** 1984 May;47(5):1005-11
Predicting coliform concentrations in upland impoundments: design and calibration of a multivariate model. Kay D, et al. **Appl Environ Microbiol** 1983 Sep;46(3):611-8
Seasonal variations of Vibrio cholerae (non-O1) isolated from

California coastal waters. Kenyon JE, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1243–5

Vibrio cholerae (non–O1) isolated from California coastal waters. Kenyon JE, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1232–3

Detection of enteric viruses in treated drinking water. Keswick BH, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1290–4

Survival of enteric viruses adsorbed on electropositive filters. Keswick BH. **Appl Environ Microbiol** 1983 Aug;46(2):501–2

Comparison of Vogel–Johnson and Baird–Parker media for membrane filtration recovery of staphylococci in swimming pool water. Klapes NA. **Appl Environ Microbiol** 1983 Dec;46(6):1318–22

Susceptibility of Legionella pneumophila to chlorine in tap water. Kuchta JM, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1134–9

Novel method for studying the public health significance of macroinvertebrates occurring in potable water. Levy RV, et al. **Appl Environ Microbiol** 1984 May;47(5):889–94

Microbial uptake of radiolabeled substrates: estimates of growth rates from time course measurements. Li WK. **Appl Environ Microbiol** 1984 Jan;47(1):184–92

Adsorption of reovirus to clay minerals: effects of cation–exchange capacity, cation saturation, and surface area. Lipson SM, et al. **Appl Environ Microbiol** 1983 Sep; 46(3):673–82

Hexavalent chromium–resistant bacteria isolated from river sediments. Luli GW, et al. **Appl Environ Microbiol** 1983 Oct;46(4):846–54

Evaluation of filters for recovery of Campylobacter jejuni from water. Mathewson JJ, et al. **Appl Environ Microbiol** 1983 Nov;46(5):985–7

Microplate fecal coliform method to monitor stream water pollution. Maul A, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1032–7

Round robin investigation of methods for the recovery of poliovirus from drinking water. Melnick JL, et al. **Appl Environ Microbiol** 1984 Jan;47(1):144–50

Effect of chlorination on antibiotic resistance profiles of sewage–related bacteria. Murray GE, et al. **Appl Environ Microbiol** 1984 Jul;48(1):73–7

Broth medium for enrichment of Vibrio fluvialis from the environment. Nishibuchi M, et al. **Appl Environ Microbiol** 1983 Aug;46(2):425–9

Investigation of the survival characteristics of Rhodococcus coprophilus and certain fecal indicator bacteria. Oragui JI, et al. **Appl Environ Microbiol** 1983 Aug;46(2):356–60

Biodegradation and photolysis of pentachlorophenol in artificial freshwater streams. Pignatello JJ, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1024–31

Relationship between colonization of hospital building with Legionella pneumophila and hot water temperatures. Plouffe JF, et al. **Appl Environ Microbiol** 1983 Sep; 46(3):769–70

Bacteriological quality of crops irrigated with wastewater in the Xochimilco plots, Mexico City, Mexico. Rosas I, et al. **Appl Environ Microbiol** 1984 May;47(5):1074–9

Isolation and identification of pathogenic Naegleria australiensis (Amoebida, Vahlkampfiidae) from a spa in northern Italy. Scaglia M, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1282–5

Colloidal clay inhibits conjugal transfer of R–plasmid R1drd–19 in Escherichia coli. Singleton P. **Appl Environ Microbiol** 1983 Sep;46(3):756–7

Microthrix parvicella, a filamentous bacterium isolated from activated sludge: cultivation in a chemically defined medium. Slijkhuis H. **Appl Environ Microbiol** 1983 Oct; 46(4):832–9

Influence of water quality on enteric virus concentration by microporous filter methods. Sobsey MD, et al. **Appl Environ Microbiol** 1984 May;47(5):956–60

Use of nitrifying activity measurements for describing the effect of salinity on nitrification in the Scheldt estuary. Somville M. **Appl Environ Microbiol** 1984 Feb;47(2):424–6

Effect of ambient temperature storage on potable water coliform population estimations. Standridge JH, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1113–7

Enteric virus and indicator bacteria levels in a water treatment system modified to reduce trihalomethane production. Stetler RE, et al. **Appl Environ Microbiol** 1984 Feb;47(2):319–24

Elution of viruses from coastal sediments. Tsai SC, et al. **Appl Environ Microbiol** 1983 Oct;46(4):797–804

Removal of enteric viruses from surface water at eight waterworks in The Netherlands. van Olphen M, et al. **Appl Environ Microbiol** 1984 May;47(5):927–32

Satellite growth of Legionella pneumophila with an environmental isolate of Flavobacterium breve. Wadowsky RM, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1447–9

Method for recovery of enteric viruses from estuarine sediments with chaotropic agents. Wait DA, et al. **Appl Environ Microbiol** 1983 Aug;46(2):379–85

Microbial growth associated with granular activated carbon in a pilot water treatment facility. Wilcox DP, et al. **Appl Environ Microbiol** 1983 Aug;46(2):406–16

Acanthamoeba keratitis possibly acquired from a hot tub. Samples JR, et al. **Arch Ophthalmol** 1984 May; 102(5):707–10

Surface water Salmonellae: serotypes and antibiotic resistance. Schwartzbrod J, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):179–89

Conversion of inorganic lead into a highly–toxic organic derivative by marine microorganisms. Berdicevsky I, et al. **Arch Toxicol [Suppl]** 1983;6:285–91

Biodegradation in the estuarine–marine environments and the genetically altered microbe. Bourquin AW. **Basic Life Sci** 1984;28:97–115

Plasmid–mediated biodegradative fate of monohalogenated biphenyls in facultatively anaerobic sediments. Sayler GS, et al. **Basic Life Sci** 1984;28:117–35

Legionellosis and Legionella spp. in the waters of Puerto Rico. Ortiz–Roque C, et al. **Bol Asoc Med PR** 1983 Sep; 75(9):403–7

Effects of two herbicides on selected aquatic bacteria. Beckmann J, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):243–50

Ecological distribution of Legionellaceae in the Quebec city area. Joly JR, et al. **Can J Microbiol** 1984 Jan;30(1):63–7

A multiple extraction—centrifugation method for the recovery of viruses from waste water treatment plant effluents and sludges. Lewis MA, et al. **Can J Microbiol** 1983 Dec;29(12):1661–70

Virological examination of drinking water: a Canadian collaborative study. Payment P, et al. **Can J Microbiol** 1984 Jan;30(1):105–12

The relationship between three potential pathogens and pollution indicator organisms in Nova Scotian coastal waters. Robertson WJ, et al. **Can J Microbiol** 1983 Oct; 29(10):1261–9

Viable but nonrecoverable stage of Salmonella enteritidis in aquatic systems. Roszak DB, et al. **Can J Microbiol** 1984 Mar;30(3):334–8

Rotavirus survival in conventionally treated drinking water. Sattar SA, et al. **Can J Microbiol** 1984 May;30(5):653–6

Mechanism of poliovirus inactivation by cell–free filtrates of marine bacteria. Toranzo AE, et al. **Can J Microbiol** 1983 Nov;29(11):1481–6

A new inorganic pyrophosphate utilizing bacterium from a stagnant lake. Varma AK, et al. **Can J Microbiol** 1983 Oct; 29(10):1470–4

The effects of the insecticide acephate on the growth and nutrient uptake of an aquatic bacterium. Williams GL, et al. **Can J Microbiol** 1984 Mar;30(3):375–80

Aquatic and clinical staphylococcal characterization and associated antibiotic, heavy metal, and chlorine sensitivities. Brown NE, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):32–42

Pathogenic hazards and public spa and hot tub facilities. Crandall RA, et al. **Can J Public Health** 1984 May–Jun; 75(3):223–6

Bacterial indicators of recreational water quality. Dufour AP. **Can J Public Health** 1984 Jan–Feb;75(1):49–56

Legionella and the environment. Joly JR. **Can J Public Health** 1984 Jan–Feb;75(1):57–60

Viruses and bathing beach quality. Payment P. **Can J Public Health** 1984 Jan–Feb;75(1):43–8

Pollution indicators and potential pathogenic microorganisms in estuarine recreational waters. Robertson WJ. **Can J Public Health** 1984 Jan–Feb;75(1):19–24

Otitis externa infections related to Pseudomonas aeruginosa levels in five Ontario lakes. Seyfried PL, et al. **Can J Public Health** 1984 Jan–Feb;75(1):83–91

Impact of sewage treatment plants on surface waters. Seyfried PL, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):25–31

A retrospective comparison of the effectiveness of bromination and chlorination in controlling Pseudomonas aeruginosa in spas (whirlpools) in Alberta. Shaw JW. **Can J Public Health** 1984 Jan–Feb;75(1):61–8

Airborne endotoxins and humidifier disease. Rylander R, et al. **Clin Allergy** 1984 Jan;14(1):109–12

Microbial exopolysaccharides — their role in microbial adhesion in aqueous systems. Sutherland IW. **CRC Crit Rev Microbiol** 1983;10(2):173–201 (116 ref.)

Bacterial flora of marine penetrating injuries. Pien FD, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):229–32

Man–made dams acting as sources of bilharziasis in Onganga village, Kanyaluo Location, South Nyanza. Masaba SC, et al. **East Afr Med J** 1983 Dec;60(12):860–2

Quantum differences in oral susceptibility of voles, Microtus pennsylvanicus, to virulent Francisella tularensis type B, in drinking water: implications to epidemiology. Bell JF, et al. **Ecol Dis** 1983;2(2):151–5

A survey of pathogenic and free–living amoebae inhabiting swimming pool water in Mexico City. Rivera F, et al. **Environ Res** 1983 Oct;32(1):205–11

Waterborne outbreak of Campylobacter enteritis. Rogol M, et al. **Eur J Clin Microbiol** 1983 Dec;2(6):588–90

Microbial degradation of synthetic organochlorine compounds. Motosugi K, et al. **Experientia** 1983 Nov 15; 39(11):1214–20 (51 ref.)

The impedance method for monitoring total coliforms in wastewaters. Part I. Background and methodology. Strauss WM, et al. **Folia Microbiol (Praha)** 1984;29(2):162–9

The impedance method for monitoring total coliforms in wastewaters. Part II. Results and evaluation. Tenpenny JR, et al. **Folia Microbiol (Praha)** 1984;29(2):170–80

Bacterial contamination of oral rehydration solution prepared from well water. Mathur R, et al. **Indian J Med Res** 1983 Dec;78:814–8

Frogs as natural reservoirs of Salmonella. Sarvamangala Devi JN, et al. **Indian J Med Res** 1983 Oct;78:465–70

Recommendations for the care of automated peritoneal dialysis machines: can the risk of peritonitis be reduced? Berkelman RL, et al. **Infect Control** 1984 Feb;5(2):85–7

The first isolation of Legionella pneumophila in Israel. Boldur I, et al. **Isr J Med Sci** 1984 Jan;20(1):74–5

'Swimmer's ear' among children of kindergarten age and water quality of swimming pools in 11 Kibbutzim. Simchen E, et al. **Isr J Med Sci** 1984 Jul;20(7):584–8

Comparative study on Salmonella isolation from sewage–contaminated natural waters. Alcaide E, et al. **J Appl Bacteriol** 1984 Jun;56(3):365–71

The enumeration of Bacteroides fragilis group organisms from sewage and natural waters. Allsop K, et al. **J Appl Bacteriol** 1984 Feb;56(1):15–24

A comparison of isolation procedures for salmonellas from polluted water using two forms of Rappaport's medium. Fricker CR. **J Appl Bacteriol** 1984 Apr;56(2):305–9

A method for the enumeration of male–specific bacteriophages in sewage. Havelaar AH, et al. **J Appl Bacteriol** 1984 Jun;56(3):439–47

Two unusual budding bacteria isolated from a swimming pool. Sly LI, et al. **J Appl Bacteriol** 1984 Jun;56(3):479–86

A numerical taxonomic study of species of Vibrio isolated from the aquatic environment and birds in Kent, England. West PA, et al. **J Appl Bacteriol** 1983 Oct;55(2):263–82

Relationship between ion requirements for respiration and membrane transport in a marine bacterium. Khanna G, et al. **J Bacteriol** 1984 Jan;157(1):59–63

Prevalence of heat–stable II enterotoxigenic Escherichia coli in pigs, water, and people at farms in Thailand as determined by DNA hybridization. Echeverria P, et al. **J Clin Microbiol** 1984 Apr;19(4):489–91

Plasmid profiles of clinical and environmental isolates of Legionella pneumophila serogroup 1. Maher WE, et al. **J Clin Microbiol** 1983 Dec;18(6):1422–3

Investigation of a waterborne outbreak of Campylobacter jejuni enteritis with a serotyping scheme based on thermostable antigens. Penner JL, et al. **J Clin Microbiol** 1983 Dec;18(6):1362–5

Wound infections caused by Vibrio vulnificus, a marine vibrio, in inland areas of the United States. Tacket CO, et al. **J Clin Microbiol** 1984 Feb;19(2):197–9

Ecological studies on Bulinus truncatus and Biomphalaria alexandrina in Zagazig, Egypt. Atia MM, et al. **J Egypt Soc Parasitol** 1984 Jun;14(1):245–50

Survival of Legionella pneumophila in a model hot water distribution system. Schofield GM, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1751–6

Is rust a growth promoting factor for Legionella pneumophila? [letter] Potvliege C, et al. **J Hosp Infect** 1984 Jun;5(2):227

Hygienic evaluation of repurification schemes for waste waters containing complexes for organic substances. Bulgakov RG. **J Hyg Epidemiol Microbiol Immunol** 1983; 27(3):345–50

Transferable resistance to gentamicin and other antibiotics in Enterobacteriaceae isolates from municipal wastewater. Králiková K, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(2):161–6

Isolation of Legionella pneumophila from water supplies: comparison of methods based on the guinea–pig and culture media. Fitzgeorge RB, et al. **J Hyg (Lond)** 1983 Oct; 91(2):179–87

Aeromonas hydrophila in livestock: incidence, biochemical characteristics and artibiotic susceptibility. Gray SJ. **J Hyg (Lond)** 1984 Jun;92(3):365–75

Inactivation of human rotavirus, SA11 and other enteric viruses in effluent by disinfectants. Harakeh M, et al. **J Hyg (Lond)** 1984 Aug;93(1):157–63

A comparison of two modifications of Rappaport's enrichment medium (R25 ar i RV) for the isolation of salmonellas from sewage polluted natural water. Harvey RW, et al. **J Hyg (Lond)** 1983 Dec;91(3):451–8

Reduction of naturally occurring enteroviruses by wastewater treatment processes. Morris R. **J Hyg (Lond)** 1984 Feb;92(1):97–103

Exposure of water consumers to mesophilic actinomycetes. Ojanen TH, et al. **J Hyg (Lond)** 1983 Dec;91(3):535–41

The use of Preston enrichment broth for the isolation of 'thermophilic' campylobacters from water. Ribeiro CD, et al. **J Hyg (Lond)** 1984 Feb;92(1):45–51

Infection and colonisation by Mycobacterium kansasii and Mycobacterium xenopi: aerosols as a possible source? [letter] Collins CH, et al. **J Infect** 1984 Mar;8(2):178–9

Water–related disease outbreaks in the United States, 1981. Harris JR, et al. **J Infect Dis** 1983 Oct;148(4):759–62

Diversity of serotypes in outbreaks of enteritis due to Campylobacter jejuni [letter] Ribeiro CD, et al. **J Infect Dis** 1983 Sep;148(3):617–8

The use of Moore swabs for isolation of Salmonella typhi from irrigation water in Santiago, Chile. Sears SD, et al. **J Infect Dis** 1984 Apr;149(4):640–2

Bacteriophage concentration from water by filter chromatography. Farber FE, et al. **J Virol Methods** 1983 Dec;7(5–6):297–304

Viradel method for detection of rotavirus from seawater. Goyal SM, et al. **J Virol Methods** 1983 Dec;7(5–6):279–85

Prevalence of Clostridium botulinum type C in substrates of phosphate–mine settling ponds and implications for epizootics of avian botulism. Marion WR, et al. **J Wildl Dis** 1983 Oct;19(4):302–7

Persistence of Pasteurella multocida in Nebraska wetlands

under epizootic conditions. Price JI, et al. **J Wildl Dis** 1984 Apr;20(2):90–4

Highly invasive new bacterium isolated from US east coast waters. **J AMA** 1984 Jan 20;251(3):323–5

Survival of herpes simplex virus in water specimens collected from hot tubs in spa facilities and on plastic surfaces. Nerurkar LS, et al. **JAMA** 1983 Dec 9;250(22):3081–3

Hot tub hygiene [editorial] Rinke CM. **JAMA** 1983 Oct 21; 250(15):2031

Pseudomonas pneumonia associated with use of a home whirlpool spa. Rose HD, et al. **JAMA** 1983 Oct 21; 250(15):2027–9

Whirlpool-associated Pseudomonas aeruginosa urinary tract infections. Salmen P, et al. **JAMA** 1983 Oct 21; 250(15):2025–6

Legionella in hospital and hotel water supplies [letter] Bartlett CL, et al. **Lancet** 1983 Dec 3;2(8362):1315

Water fittings as sources of Legionella pneumophila in a hospital plumbing system. Colbourne JS, et al. **Lancet** 1984 Jan 28;1(8370):210–3

Waterborne outbreak of rotavirus diarrhoea in adults in China caused by a novel rotavirus. Hung T, et al. **Lancet** 1984 May 26;1(8387):1139–42

Direct evidence that non-A, non-B hepatitis is a waterborne disease [letter] Nouasria B, et al. **Lancet** 1984 Jul 14; 2(8394):94

Plasmids in Vibrio parahemolyticus strains isolated in Japan and Bangladesh with special reference to different distributions. Arai T, et al. **Microbiol Immunol** 1983; 27(12):1021–9

Viral pollution of the rivers in Toyama City. Matsuura K, et al. **Microbiol Immunol** 1984;28(5):575–88

Longevity of selected bacteria in black water. Stender JO, et al. **Microbiologica** 1983 Oct;6(4):347–53

Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6

Study on the survival of Histoplasma farciminosum in the environment. Gabal MA, et al. **Mykosen** 1983 Sep; 26(9):481–7

Aeromonas hydrophila: a treatable cause of diarrhea. Kipperman H, et al. **Pediatrics** 1984 Feb;73(2):253–4

A note on the suitability of 'dip slides' for the microbiological examination of water and aqueous non-sterile pharmaceutical preparations. Van Doorne H, et al. **Pharm Weekbl [Sci]** 1984 Jun 22;6(3):111–3

Comparison of media and temperature of incubation for microbiological examination of purified water. Van Doorne H, et al. **Pharm Weekbl [Sci]** 1984 Jun 22;6(3):105–10

The efficacy of chlorine dioxide in controlling Salmonella contamination and its effect on product quality of chicken broiler carcasses. Thiessen GP, et al. **Poult Sci** 1984 Apr; 63(4):647–53

Incidence of gentamicin-resistant bacteria and those with R plasmids, transferable to E. coli K-12, in municipal waste waters. Kralikova K, et al. **Recomb DNA Tech Bull** 1983 Sep;6(3):98–100

Isolation of keratinophilic fungi from sewage sludge. Ulfig K, et al. **Sabouraudia** 1983 Sep;21(3):247–50

Study of long term effects of oil and oil-dispersant mixtures on freshwater microbial populations in man made ponds. Dutka BJ, et al. **Sci Total Environ** 1984 Apr 19;35(2):135–48

The fate and impact of oil and oil-dispersant mixtures in freshwater pond ecosystems: introduction. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):105–13

The impact of oil and oil-dispersant mixtures on fungi in freshwater ponds. Sherry JP. **Sci Total Environ** 1984 Apr 19;35(2):149–67

Distribution of IMVC biogroups of Aeromonas hydrophila and Aeromonas sobria isolated from human, fish and water. Sukroongreung S, et al. **Southeast Asian J Trop Med Public Health** 1983 Sep; 14(3):330–5

Food and water hygiene and diarrhoea in young Gambian children: a limited case control study. Lloyd-Evans N, et al. **Trans R Soc Trop Med Hyg** 1984;78(2):209–11

Isolation and identification of pathogenic Naegleria australiensis (De Jonckheere, 1981) from pond water in India [letter] Michel R, et al. **Trans R Soc Trop Med Hyg** 1983;77(6):878

Urinary schistosomiasis in the Sahelian region of the Senegal River Basin. Chaine JP, et al. **Trop Geogr Med** 1983 Sep; 35(3):249–56

Enterovirus contamination of swimming pool water; correlation with bacteriological indicators. Cotor F, et al. **Virologie** 1983 Oct-Dec;34(4):251–6

Viral pollution of the Argeş as compared with that of other rivers in Romania. Nestor I, et al. **Virologie** 1983 Oct-Dec; 34(4):291–3

Does El Niño also cause diarrhea [letter] Fieber L. **West J Med** 1984 Jan;140(1):104

Naegleria: observations on its distribution in east Asia and South America, and electron microscopic studies on cultured trophozoites. Akao S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Mar; 256(3):273–9

A hydrogen sulphide producing Gram-negative rod from water. Aldová E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):95–108

The newly described pathogenic species Vibrio mimicus isolated from human diarrhoeal stools and from a sea water sample. Ciufecu C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):89–94

A comparison of methods for the isolation of salmonellae from sewage sludge. Fricker CR. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):170–8

Yersinia spp. in surface water in Matsue, Japan. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):236–47

Enterobacteriaceae and other gram negative bacteria in the water of lakes used as open air baths around the city of Bratislava. Krčméry V Jr. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):334–41

Viral pollution of some artificial reservoirs in Romania. Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3–4):327–33

Direct demonstration and isolation of Legionella pneumophila (serogroup 1) from bathroom water specimens in a hotel. Sethi KK, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):402–5

Relationship between the occurrence of coliphages and E. coli in Danish marine bathing areas. Søgaard H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):394–401

Enterovirus types in samples of activated sewage sludge. Wullenweber M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan; 178(5–6):522–6

Relative frequencies and significance of faecal coliforms as indicators related to water temperature. Auban EG, et al. **Zentralbl Mikrobiol** 1983;138(5):329–36

[An outbreak of acute infective polyneuritis associated with the contamination of the water supply in Huhehaote] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):277–80 (Eng. Abstr.) **(Chi)**

[Criteria of bacteria count in 'Emission Standard of Polluted Water from Hospital'—confirmation tests for the total number of E. coli group] E TS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):339–41 (Eng. Abstr.) **(Chi)**

[The incidence of mycobacteria in spa swimming pools] Svorcová L, et al. **Fysiatr Reumatol Vestn** 1984 Jun; 62(3):138–46 (Eng. Abstr.) **(Cze)**

[Isolation of enteroviruses in the water of a river in Belgium] Planard C. **Arch Belg** 1983;41(9–10):412–23 (Eng. Abstr.) **(Fre)**

[Drinking water in Madagascar. Bacteriologic monitoring of treated water from 1957 to 1981] Vicens RJ, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):133–49 **(Fre)**

[Characteristics of Vibrio metschnikovii isolated in Tunisia] Khemiri F, et al. **Arch Inst Pasteur Tunis** 1983 Mar-Sep; 60(1–2):13–9 (Eng. Abstr.) **(Fre)**

[Field epidemiology: possible beginning of community health. An example: epidemic caused by water] Collin JF, et al. **Rev Epidemiol Sante Publique** 1983;31(3):329–36 (Eng. Abstr.) **(Fre)**

[Detection of enteroviruses in seawater and beach sand] Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jan;178(5–6):527–34 (Eng. Abstr.) **(Fre)**

[Hazards of infections from bacteria, fungi and amebae in the cooling and rinse waters of dental units] Just HM, et al. **Dtsch Zahnarztl Z** 1984 Jan;39(1):60–4 (Eng. Abstr.) **(Ger)**

[The definition of 'water quality' and the limnologic foundations of its assessment in the past and in the future] Elster HJ. **Schriftenr Ver Wasser Boden Lufthyg** 1982; 54:21–37 (64 ref.) **(Ger)**

[Salmonellas in sewage sludge—the situation in Switzerland] Breer C. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):667–70 **(Ger)**

[Viruses in sewage sludge: epidemiological factors and practical conditions for effective hygienization] Siegl G. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):661–6 **(Ger)**

[Causes and possible effects of the presence of pathogenic agents in municipal sewage sludge] Strauch D. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):621–59 (42 ref.) **(Ger)**

[Monitoring of drinking water from the bacteriologic-public health viewpoint] Schulze E. **Z Gesamte Hyg** 1984 Apr; 30(4):219–21 (Eng. Abstr.) **(Ger)**

[Pathogen distribution in waste water sprinkler irrigation] Ahmed RE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):151–61 (Eng. Abstr.) **(Ger)**

[Distribution of enterobacteria in soil following irrigation with waste water] Ahmed RE, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):248–58 (Eng. Abstr.) **(Ger)**

[Bacteriological control of various methods of sewage sludge hygienization] Breer C. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):155–7 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 5. Comparison of 2 rapid sand filters] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):141–55 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 6. Germ regrowth and drinking water] Dott W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):263–79 (Eng. Abstr.) **(Ger)**

[Filamentous bacteria in activated sludge (bulking sludge). I. Occurrence of filamentous bacteria in a sewage treatment plant working with the activated sludge process (plug flow system)] Emmrich M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jun; 177(5):436–50 (Eng. Abstr.) **(Ger)**

[Microbiological studies of PVC packing sheets and sediments from a wet cooling tower] Filip Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):490–8 (Eng. Abstr.) **(Ger)**

[Isolation and germ count of Listeria monocytogenes in raw and biologically treated waste water] Geuenich HH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):266–73 (Eng. Abstr.) **(Ger)**

[Occurrence of Pseudomonas aeruginosa in waste water and its behavior under biological treatment] Geuenich HH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):259–65 (Eng. Abstr.) **(Ger)**

[Pathogenicity of Acanthamoeba isolated from water] Janitschke K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):350–3 (Eng. Abstr.) **(Ger)**

[Acanthamoebae, Naegleria and other free-living Amoebae in cooling and rinsing water of dental treatment units] Michel R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Mar;179(1):56–72 (Eng. Abstr.) **(Ger)**

[Germ transfer into swimming pool water by head hair] Mueller RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):280–96 (Eng. Abstr.) **(Ger)**

[Efficiency of current technics for the isolation of viruses in water] Schlaak M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1–2):127–40 (Eng. Abstr.) **(Ger)**

[Significance of antibiotic-forming microorganisms in biological waste water clarification] Schomburg I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 May; 179(2):162–9 (Eng. Abstr.) **(Ger)**

[Communicable disease problems of sewage with special reference to human pathogenic viruses] Seidel K. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):98–110 (Eng. Abstr.) **(Ger)**

[Communicable disease problems of sewage sludge] Strauch D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):142–54 (Eng. Abstr.) **(Ger)**

[Comparative study on methods to recover indigenous viruses from samples of activated sewage sludge] Wullenweber M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 177(6):482–9 (Eng. Abstr.) **(Ger)**

[Atypical mycobacteria isolated from soil and water] Biondi M, et al. **Ann Sclavo** 1982 Sep-Oct;24(5):496–502 (Eng. Abstr.) **(Ita)**

[Presence of Caulobacter genus in distilled water] Callerio D, et al. **Boll Ist Sieroter Milan** 1983 Jul;62(3):251–6 (Eng. Abstr.) **(Ita)**

[Microbiological and chemical studies of the water from Lake Varese: isolation of Vibrio cholerae non 0-1] Bossi Conti G, et al. **G Batteriol Virol Immunol** 1982 Jul-Dec; 75(7–12):361–8 (Eng. Abstr.) **(Ita)**

[Isolation of Salmonella and Yersinia from human feces and surface water in the province of Ferrara in 1980] Bucci G, et al. **G Batteriol Virol Immunol** 1982 Jan-Jun; 75(1–6):122–7 (Eng. Abstr.) **(Ita)**

[Microbiologic analysis of the last tract of the Po di Pila River from 1976 to 1980] Bellelli E, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2–3):189–232 (Eng. Abstr.) **(Ita)**

[Analysis of the untreated and treated sewage of the city of Bologna. II. Chlorine dioxide in the disinfection of the secondary effluent from an activated sludge proccess in the biological purificationof sewage waters] Bernagozzi M, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2–3):259–83 (Eng. Abstr.) **(Ita)**

[Analysis of mycobacteria in fish aquariums as a possible sign of the risk of cutaneous granulomatosis] Caroli G, et al. **Nuovi Ann Ig Microbiol** 1982 Mar-Jun;33(2–3):375–90 (Eng. Abstr.) **(Ita)**

[Annual study of the bacterial pollution of mineral waters produced in industry as related to work cycles] De Fusco R, et al. **Nuovi Ann Ig Microbiol** 1983 Nov-Dec; 34(6):483–90 (Eng. Abstr.) **(Ita)**

[Bacteriological and chemical research on the state of pollution of the Aterno river at Aquila] Leoni V, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4–6):625–36 (Eng. Abstr.) **(Ita)**

[Environmental distribution of Salmonella. 2. Research on the coastal seawaters of the city of Pesaro] Salvaggio L, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4–6):817–24 (Eng. Abstr.) **(Ita)**

[Terrestrial and autochthonous flora of sea water: simultaneous study in sediment and surface waters] Sebastiani Annicchiarico L, et al. **Nuovi Ann Ig Microbiol** 1982 Jul-Dec;33(4–6):853–67 (Eng. Abstr.) **(Ita)**

[Ecological distribution of Legionella species in Japan and pathogenicity of environmental isolates] Ito N. **Kansenshogaku Zasshi** 1983 Aug;57(8):682–94 (Eng. Abstr.) **(Jpn)**

[Isolation of Legionella spp. from environmental samples in the Okayama area] Nakahama C. **Kansenshogaku Zasshi** 1983 Aug;57(8):643–55 (Eng. Abstr.) **(Jpn)**

[Isolation of a cytopathogenic agent from sewage and its identification by enzyme-linked immunosorbent assay (ELISA)] Kawahara M, et al. **Uirusu** 1984 Jun;34(1):37–43 (Eng. Abstr.) **(Jpn)**

[Acid-fast bacilli in the water of the Lake of Aleixo] Salem JI, et al. **Hansenol Int** 1982 Jun;7(1):25–35 (Eng. Abstr.) **(Por)**

[Total coliforms bacteria and coliform of fecal origin in water used for animal drinking] Souza LC, et al. **Rev Saude Publica** 1983 Apr;17(2):112–22 (Eng. Abstr.) **(Por)**

[Presence of Enterobacteriaceae in waters purified by the biodisc method] Nestorescu E, et al. **Rev Ig [Bacteriol]** 1984 Jan–Mar;29(1):59–65 (Eng. Abstr.) **(Rum)**

[Viability of Proteus vulgaris in water and soil at different temperatures] Alton LV. **Gig Sanit** 1983 Oct;(10):74–5 **(Rus)**

[Indicator value of bacteriophages with reference to viral contamination of water] Bagdasar'ian GA, et al. **Gig Sanit** 1983 Sep;(9):4–7 (Eng. Abstr.) **(Rus)**

[Distribution of microorganisms in ground water flow in bacterial contamination of the water table] Barannikov VD. **Gig Sanit** 1983 Nov;(11):77–9 **(Rus)**

[Sanitary and microbiological aspects of using treated municipal waste water for industrial water supply purposes] Gabrilevskaia LN, et al. **Gig Sanit** 1983 Sep;(9):17–9 (Eng. Abstr.) **(Rus)**

[Viability of the sanitary indicator and pathogenic microorganisms in reservoirs polluted by chemical substances] Grigor'eva LV, et al. **Gig Sanit** 1983 Nov;(11):24–7 (Eng. Abstr.) **(Rus)**

[Spread and survival of antibiotic-resistant salmonellae in water] Iakovleva ON, et al. **Gig Sanit** 1 83 Jul;(7):75–7 **(Rus)**

[Efficient scheme for identifying Pseudomonas aeruginosa in mass screenings of the environment] Kalina GP. **Gig Sanit** 1983 Nov;(11):58–63 **(Rus)**

[Bacterial contamination of the effluents of a large poultry plant at different stages of biological treatment] Kal'iulaid LI. **Gig Sanit** 1983 Aug;(8):70–1 (4 ref.) **(Rus)**

[Sanitary-microbiological characteristics of coastal sea water in a health resort zone] Karchava GV. **Gig Sanit** 1983 Dec;(12):56–8 **(Rus)**

[Comparative evaluation of selective media for studying waste fluids for Pseudomonas aeruginosa] Komzolova NB. **Gig Sanit** 1983 Aug;(8):45–7 (31 ref.) **(Rus)**

[Study of the sanitary-microbiological self-purification processes of a recreational sea zone using mathematical modelling] Korchak GI, et al. **Gig Sanit** 1983 Dec;(12):18–21 (Eng. Abstr.) **(Rus)**

[Bacterial contamination of a warming wet suit] Mal'tsev VN, et al. **Gig Sanit** 1983 Aug;(8):73–4 (2 ref.) **(Rus)**

[Gram-negative oxidase-positive bacteria in municipal water supply systems] Rusanova NA, et al. **Gig Sanit** 1984 Mar;(3):76–8 **(Rus)**

[Improvement in the method of determining ammonia-fixing bacteria in bodies of water] Stavskiĭ AV, et al. **Gig Sanit** 1984 Apr;(4):40–1 **(Rus)**

[Complex action of surface electrical discharges on polluted waters] Viitmaa EKh, et al. **Gig Sanit** 1984 May;(5):8–9 **(Rus)**

[Toxicological and hygienic characteristics of retting fluid] Kovalev VM, et al. **Gig Tr Prof Zabol** 1983 Aug;(8):53–4 **(Rus)**

[Microbiological aspects of sewage treatment] Arkhipchenko IA. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):744–58 (Eng. Abstr.) **(Rus)**

[Various characteristics of NAG-Vibrio isolated during the cold season] Kozhukhov IG, et al. **Lab Delo** 1984;(1):30–1 (Eng. Abstr.) **(Rus)**

[3,4-dichloroaniline--a nitrogen and carbon source for a mixed culture of microorganisms] Surovtseva EG, et al. **Mikrobiologiia** 1984 Jan–Feb;53(1):10–5 (Eng. Abstr.) **(Rus)**

[Inactivation of enteroviruses in sewage with ozone] Ivanova OE, et al. **Vopr Virusol** 1983 Nov–Dec;28(6):693–8 (Eng. Abstr.) **(Rus)**

[Results of serological surveys for leptospirosis in animals and people in the environs of 2 water reservoirs in eastern Slovakia] Prokopčaková G, et al. **Zb Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):56–8 (Eng. Abstr.) **(Rus)**

[Resistance to antibiotics in bacteria in the Enterobacteriaceae family isolated from Bratislava's natural bathing beaches] Krčméry V, et al. **Bratisl Lek Listy** 1983 Nov;80(5):587–93 (Eng. Abstr.) **(Slo)**

[Water-borne epidemic of dysentery with detection of the transmission factor by cultivation] Hanáková Z, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 May;33(3):182–6 (Eng. Abstr.) **(Slo)**

[Comparative study of conventional and membrane-filtration technics in the microbiological analysis of surface waters] de Marino Gómez-Sandoval MD, et al. **Rev Sanid Hig Publica (Madr)** 1982 Sep–Oct;56(9–10):999–1030 (Eng. Abstr.) **(Spa)**

[Microbial flora in surface waters of the Valdivia River (Chile)] Schoebitz R. **Zentralbl Veterinarmed [B]** 1983 Dec;30(10):775–84 (Eng. Abstr.) **(Spa)**

ANALYSIS

Surveillance for typhoid fever in Matsuyama city during 1974–1981 and detection of Salmonella typhi in sewage and river waters. Shinohara N, et al. **Jpn J Med Sci Biol** 1983 Jun;36(3):191–7

WATER POLLUTANTS

The effect of domestic detergents on the population dynamics of the immature stages of two competitor mosquitoes, Culex cinereus Theobald and Culex quinquefasciatus Say (Diptera, Culicidae) in Kenya. Subra R, et al. **Acta Trop (Basel)** 1984 Mar;41(1):69–75

Bacterial chemotaxis to effluent from a rum distillery in tropical near-shore coastal waters. Fuentes FA, et al. **Appl Environ Microbiol** 1983 Dec;46(6):1438–41

Degradation and total mineralization of monohalogenated biphenyls in natural sediment and mixed bacterial culture. Kong HL, et al. **Appl Environ Microbiol** 1983 Sep;46(3):666–72

Biodegradation and photolysis of pentachlorophenol in artificial freshwater streams. Pignatello JJ, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1024–31

Uptake of lead from aquatic sediment by submersed macrophytes and crayfish. Knowlton MF, et al. **Arch Environ Contam Toxicol** 1983 Sep;12(5):535–41

Role of particulate organic matter in decreasing accumulation of polynuclear aromatic hydrocarbons by Daphnia magna. McCarthy JF. **Arch Environ Contam Toxicol** 1983 Sep;12(5):559–68

Land disposal and spill site environments. Middleton AC. **Basic Life Sci** 1984;28:137–49

Boiling drinking water removes ethylene dibromide [letter] Isaacson PJ, et al. **Science** 1984 Aug 17;225(4663):672

[Accumulating or nonaccumulating inorganic pollutants in the marine environment] Aubert M. **Bull Acad Natl Med (Paris)** 1983 May;167(5):467–72 **(Fre)**

[Petroleum biodegradation in the marine environment] Senez JC. **Bull Acad Natl Med (Paris)** 1983 May;167(5):483–90 **(Fre)**

[The formation of trihalomethanes precursor in anionic surfactant biodegradation] Kosaka M, et al. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):870–6 (Eng. Abstr.) **(Jpn)**

[Hygienic evaluation of polyurethane foam produced on laprol base] Klimkina NV, et al. **Gig Sanit** 1983 Sep;(9):14–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Congenital malformations and maternal drinking water supply in rural South Australia: a case-control study. Dorsch MM, et al. **Am J Epidemiol** 1984 Apr;119(4):473–86

A case-control study of asbestos in drinking water and cancer risk. Polissar L, et al. **Am J Epidemiol** 1984 Mar;119(3):456–71

Environmental hazards of interest to the forensic pathologist. Meyer CR. **Am J Forensic Med Pathol** 1983 Dec;4(4):315–8 (14 ref.)

Granular activated carbon usage in chloramine removal from dialysis water. Meyer MA, et al. **Artif Organs** 1983 Nov;7(4):484–7

Epidemiological studies on ingested asbestos. Hopkins J. **Food Chem Toxicol** 1984 Feb;22(2):179–81

Effects of tritiated water ingestion on mice: III. Hexokinase isozyme in brain, liver and spleen up to five generations. Sharan RN, et al. **Int J Radiat Biol** 1984 Jul;46(1):83–93

UK inquiry into leukaemia cluster [news] Beardsley T. **Nature** 1983 Nov 10–16;306(5939):105

Hazardous wastes and public health: general considerations and analysis of existing data sources in Florida. Levine RS, et al. **Prog Clin Biol Res** 1983;140:3–12

Concentrations of nitrates in drinking water and incidence of gastric carcinomas: first descriptive study of the Piemonte Region, Italy. Gilli G, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):35–48

[Health status of children aged 7 to 10 years living in an environment with supraoptimal fluorine levels in the drinking water] Gołębiowska M, et al. **Pediatr Pol** 1983 Mar;58(3):291–7 (Eng. Abstr.) **(Pol)**

[Epidemiologic studies on the relation between pathological states and the quality of drinking water and its pollution] Szymańska D. **Przegl Epidemiol** 1983;37(3–4):445–54 (Eng. Abstr.) **(Pol)**

[Methemoglobinemia and the use of chemicals in agriculture] Pohánka P, et al. **Cesk Pediatr** 1983 Jul;38(7):419–20 (Eng. Abstr.) **(Slo)**

ANALYSIS

Simultaneous determination of 10 elements in wastewater, plasma, and bovine liver by inductively coupled plasma emission spectrometry with electrothermal atomization. Blakemore WM, et al. **Anal Chem** 1984 Jul;56(8):1376–9

Determination of alkyllead salts in water and whole eggs by capillary column gas chromatography with electron capture detection. Forsyth DS, et al. **Anal Chem** 1983 Nov;55(13):2132–7

Enteric virus and indicator bacteria levels in a water treatment system modified to reduce trihalomethane production. Stetler RE, et al. **Appl Environ Microbiol** 1984 Feb;47(2):319–24

Detection of cod (Gadus morhua) subpopulations by chemical and statistical analysis of pollutants. Gramme PE, et al. **Arch Environ Contam Toxicol** 1984 Jul;13(4):433–40

Presence and biomagnification of organochlorine chemical residues in oxbow lakes of northeastern Louisiana. Niethammer KR, et al. **Arch Environ Contam Toxicol** 1984 Jan;13(1):63–74

Concentrations of lead, cadmium, mercury, and copper in the crayfish (Pacifasticus leniusculus) obtained from a lake receiving urban runoff. Stinson MD, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):693–9

DDTs and PCB isomers and congeners in antarctic fish. Subramanian BR, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):621–6

Copper storage in the liver of the wild mute swan (Cygnus olor). Its possible relation to pollution of harbor waters by antifouling paints. Molnar JJ. **Arch Pathol Lab Med** 1983 Dec;107(12):629–32

Terrestriality in the cyprinodontid fish Rivulus marmoratus: potential utility in H2S and other bioassays. Abel DC. **Bull Environ Contam Toxicol** 1984 Jul;33(1):33–9

Spill of methyl parathion in the Mediterranean Sea: a case study at Port-Said, Egypt. Badawy MI, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):469–77

Persistence and fate of methyl parathion in sea water. Badawy MI, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):40–9

Levels of organic pollution in coastal lagoons of Tabasco State, Mexico; I: petroleum hydrocarbons. Botello AV, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):271–7

Optimization of a reversed phase partitioning technique for the analysis of polychlorinated biphenyls in aqueous samples by gas chromatography/mass spectrometry. Gallis D, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):285–91

A column technique for determining sorption of organic solutes on the lithological structure of aquifers. Goerlitz DF. **Bull Environ Contam Toxicol** 1984 Jan;32(1):37–44

Detection of dibenzothiophene in mussel, Mytilus edulis, as a marker of pollution by organosulfur compounds in a marine environment. Kira S, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):518–25

Trace metal distributions in the surficial sediments of Penobscot Bay, Maine. Larsen PF, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):566–73

Evaluation of a sequential extraction scheme to study associations of trace elements in estuarine and oceanic sediments. Maher WA. **Bull Environ Contam Toxicol** 1984 Mar;32(3):339–44

Residues of 4-chloro-1-(2,4-dichlorophenoxy)-2-methoxybenzene(trimethyl) in aquatic biota. Miyazaki T, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):227–32

Measuring the elimination of arsenic by the gills of rainbow trout (Salmo gairdneri) by using a two compartment respirometer. Oladimeji AA, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):661–8

Coprostanol distribution from sewage discharge into Sarasota Bay, Florida. Pierce RH, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):75–9

Vanadium and nickel content of Nowruz spill tar flakes on the Saudi Arabian coastline and their probable environmental impact. Sadiq M, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):635–9

Temporal trends toward stability of Hudson River PCB contamination. Sloan RJ, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):377–85

In vitro cholinesterase inhibition of organic matter in urban and rural river sediment. Tabata M, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):391–9

A rapid-cell culture assay of water quality. VanDoren SR, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):220–6

Determination of volatile halocarbons in water by purge-closed loop gas chromatography. Wang T, et al. **Bull Environ Contam Toxicol** 1984 Apr;32(4):429–38

Sandy beach molluscs as possible bioindicators of metal pollution 1. Field survey. Watling HR, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):331–8

A cupric ion-copper bioaccumulation relationship in coho salmon exposed to copper-containing treated sewage. Buckley JA, et al. **Comp Biochem Physiol [C]** 1984;78(1):105–10

Polychlorinated biphenyls (PCBs) in the marine environment, particularly in the Mediterranean. Geyer H, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):129–51

Fate of anthracene in an artificial stream: a case study. Landrum PF, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):183–201

Predominance of positive ions in the activity of spent-fuel storage pool water. Bhide MG. **Health Phys** 1984 Jun;46(6):1301–5

Lead in drinking water. Kaphalia BS, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):64–9

Exposure to lead of the Belgian population. Claeys-Thoreau F, et al. **Int Arch Occup Environ Health** 1983;53(2):109–17

Heavy metal concentrations in water, sediment and fish from Izmit Bay, Turkey. Taymaz K, et al. **Int J Environ Anal Chem** 1984;16(4):253–65

Simple and rapid portable chromatographic method for separation and detection of phenylmercuric acetate in seeds and water. Prameela Devi Y, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):771–2

Residues of organochlorine insecticides, polychlorinated biphenyls, and heavy metals in biota from Apalachicola River, Florida, 1978. Winger PV, et al. **J Assoc Off Anal Chem** 1984 Mar-Apr;67(2):325-33

Direct determination of trace amounts of chlorophenols in fresh water, waste water and sea water. Abrahamsson K, et al. **J Chromatogr** 1983 Nov 25;279:199-208

Determination of highly volatile organic contaminants in water by the closed-loop gaseous stripping technique followed by thermal desorption of the activated carbon filters. Graydon JW, et al. **J Chromatogr** 1984 Mar 2; 285(2):307-18

Determination of formaldehyde and acetaldehyde (as cyanohydrins) in water by gas chromatography. Improta C, et al. **J Chromatogr** 1984 Mar 2;285(2):385-8

Possibilities and limitations of tracing industrial effluents in the sea by means of capillary chromatography. Josefsson B. **J Chromatogr** 1983 Nov 25;279:119-23

Determination of priority pollutant nitrophenols in water by high-performance liquid chromatography. Schultz B. **J Chromatogr** 1983 Nov 4;269(3):208-12

Capillary GC/MS determination of organic sulfur compounds detected in oyster and mussel caught in the sea as an oil pollution index. Ogata M, et al. **J Chromatogr Sci** 1983 Sep;21(9):420-4

Reverse phase high performance liquid chromatographic determination of Baygon in water. Kumar Y. **J Environ Sci Health [B]** 1983 Dec;18(6):757-65

Greater contribution to blood lead from water than from air. Elwood PC, et al. **Nature** 1984 Jul 12-18; 310(5973):138-40

Plutonium redistribution by biological activity in Irish Sea sediments. Kershaw PJ, et al. **Nature** 1983 Dec 22-1984 Jan 4;306(5945):774-5

Tapwater lead in homes of children with undue body lead burden. Lubin AH, et al. **Ohio State Med J** 1984 Jul; 80(7):547-51

A comparison of how the United States and Canada set drinking water regulations. Calabrese EJ. **Regul Toxicol Pharmacol** 1983 Dec;3(4):417-27

A review of the Food and Drug Administration risk analysis for polychlorinated biphenyls in fish. Maxim LD, et al. **Regul Toxicol Pharmacol** 1984 Jun;4(2):192-219

Swan thyroid glands and river algae as indicators of iodine-125 and iodine-131 in the River Trent and its tributaries. Howe JR, et al. **Sci Total Environ** 1984 May 1;35(3):387-401

The fate of oil and oil-dispersant mixtures in freshwater ponds. Nagy E, et al. **Sci Total Environ** 1984 Apr 19; 35(2):115-33

[Distribution of hydrocarbon residues in the sediment from Bizerte lagoon (Northern Tunisia)] Soussi N. **Arch Inst Pasteur Tunis** 1983 Mar-Sep;60(1-2):21-8 (Eng. Abstr.) **(Fre)**

[Marine pollution by organometallic compounds: the case of mercury, lead and tin derivatives] Alzieu C, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):473-82 (Eng. Abstr.) **(Fre)**

[Marine pollution by synthetic organic compounds] Michel P, et al. **Bull Acad Natl Med (Paris)** 1983 May;167(5):491-8 **(Fre)**

[Concentration of heavy metals in brook trout in comparison to aquatic plants and sediments] Abo-Rady MD. **Z Lebensm Unters Forsch** 1983;177(5):339-44 (Eng. Abstr.) **(Ger)**

[Microbiological and chemical studies of the water from Lake Varese: isolation of Vibrio cholerae non 0-1] Bossi Conti G, et al. **G Batteriol Virol Immunol** 1982 Jul-Dec; 75(7-12):361-8 (Eng. Abstr.) **(Ita)**

[Method of determining o-tolylbiguanide in water] Dukhovnaia IS. **Gig Sanit** 1984 May;(5):45-6 **(Rus)**

[Determination of sebacic acid dimethyl ester in natural and sewage waters by the gas-chromatographic method] Gosteva LI, et al. **Gig Sanit** 1984 Jan;(1):51 **(Rus)**

[Methods of identifying and determining plantvax and vitavax in water] Kiseleva NI. **Gig Sanit** 1984 Jun;(6):54-5 **(Rus)**

[Chromatographic methods of determining botran in water, soil and plants] Krasnykh AA, et al. **Gig Sanit** 1984 Jan; (1):50 **(Rus)**

[Determination of diethylamine in water by the gas-liquid chromatography technic] Maksimovich NP, et al. **Gig Sanit** 1984 Apr;(4):39-40 **(Rus)**

[Gas chromatographic determination of evisekt in water and plant tissues] Pertsovskii AL, et al. **Gig Sanit** 1984 Jun; (6):57-8 **(Rus)**

[Water migration criterion of antimony hazards in a healthful determination of its maximum allowable concentration in soil] Rafel' IuB, et al. **Gig Sanit** 1983 Dec;(12):23-6 (Eng. Abstr.) **(Rus)**

[Biomonitoring of lead in the fresh water ecosystems of the Voronezh Preserve] Nikanora AM, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Nov-Dec;(6):897-905 (Eng. Abstr.) **(Rus)**

[Maximum permissible concentrations of radium and uranium in mineral drinking waters] Adilov VB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Sep-Oct;(5):63-5 **(Rus)**

[Total residues and methyl mercury in fishes and mussels in the Northern Adriatic] Najdek M, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):229-32 (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

Assessment of bacterial growth and total organic carbon removal on granular activated carbon contactors. Bancroft K, et al. **Appl Environ Microbiol** 1983 Sep;46(3):683-8

Oxalic acid enhancement of recoveries of organochlorine insecticides and polychlorobiphenyls in estuarine sediment using cyclic steam distillation. Chang-Yen I, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):657-60

Isolation of the Shigella genus bacteria from the beach sand and water of the bay of Gdańsk. Dąbrowski J. **Bull Inst Marit Trop Med Gdynia** 1982;33(1-2):49-53

Removal of cadmium from wastewaters. Poon CP. **Experientia** 1984 Feb 15;40(2):127-36

A separation and purification procedure for [14C] di-2-ethylhexyl phthalate in fish. Karara AH, et al. **J Anal Toxicol** 1984 May-Jun;8(3):141-5

[Analysis of radiocobalt in environmental samples] Bando S. **Radioisotopes** 1983 Jun;32(6):297-306 **(Jpn)**

[A system for decontamination of liquid radioactive waste produced in in vitro tests in nuclear medicine] Tsuchiya T, et al. **Radioisotopes** 1983 Jun;32(6):286-8 (Eng. Abstr.) **(Jpn)**

[Extraction and chromatographic determination of 2,3,6-trichlorotoluene and 2,3,6-trichloro-p-tert-butyltoluene in water] Kozlova VS, et al. **Gig Sanit** 1983 Jun;(6):61-2 **(Rus)**

METABOLISM

Sources of variability in accumulation of heavy metals by fishes in a roadside stream. Ney JJ, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):701-6

Organochlorine residues in fish from the River Nile, Egypt. Aly OA, et al. **Bull Environ Contam Toxicol** 1984 Aug; 33(2):246-52

Uptake and concentration factor of Aroclor 1254 in aquatic organisms. Gooch JA, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):445-52

Fulvic-acid-enhanced biodegradation of aquatic contaminants. Liu D, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):203-7

Free and conjugated resin acids in the bile of rainbow trout, Salmo gairdneri. Oikari A, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):233-40

Sandy beach molluscs as possible bioindicators of metal pollution 2. Laboratory studies. Watling HR, et al. **Bull Environ Contam Toxicol** 1983 Sep;31(3):339-43

Evaluation of mirex, photomirex and chlordecone in the terrestrial aquatic laboratory model ecosystem. Francis BM, et al. **Environ Health Perspect** 1984 Mar;54:341-6

Accidental release of fluoride into experimental pond and accumulation in sediments, plants, algae, molluscs and fish. Kudo A, et al. **Regul Toxicol Pharmacol** 1983 Sep; 3(3):189-98

PHARMACODYNAMICS

Effect of oil and dispersant on growth and chlorophyll a content of the marine microalga Tetraselmis suecica. Fabregas J, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):445-7

Effects of Nigeria dyestuff effluent on germination latency, growth, and gross growth of Zea mays. Ozoh PT, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):215-9

POISONING

Cytogenetic effects of cadmium accumulation on water hyacinth (Eichhornia crassipes). Rosas I, et al. **Environ Res** 1984 Apr;33(2):386-95

Chronic arsenic poisoning from tube-well water. Garai R, et al. **J Indian Med Assoc** 1984 Jan;82(1):34-5

Water-related disease outbreaks in the United States, 1981. Harris JR, et al. **J Infect Dis** 1983 Oct;148(4):759-62

Evaluating human neurotoxicity of the pesticide aldicarb: when man becomes the experimental animal. Sterman AB, et al. **Neurobehav Toxicol Teratol** 1983 Sep-Oct;5(5):493-5

[Arsenic poisoning caused by arsenic-contaminated drinking water from a phosphate fertilizer plant] Chen KT, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):355-6 (Eng. Abstr.) **(Chi)**

TOXICITY

Comparison of methods to measure acute metal and organometal toxicity to natural aquatic microbial communities. Jonas RB, et al. **Appl Environ Microbiol** 1984 May;47(5):1005-11

A histopathological examination of, and analysis for polychlorinated hydrocarbons in, inshore Atlantic cod (Gadus morhua). Freeman HC, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):627-32

Reduction in toxicity of organic priority pollutants by pilot-scale conventional wastewater treatment process. Horning WB 2d, et al. **Arch Environ Contam Toxicol** 1984 Mar;13(2):191-6

Differential blood cell ratios of rainbow trout (Salmo gairdneri) exposed to methylmercury and chlorobenzenes. Niimi AJ, et al. **Arch Environ Contam Toxicol** 1984 May; 13(3):303-11

Acute toxicity of butylbenzyl phthalate to shiner perch (Cymatogaster aggregata). Ozretich RJ, et al. **Arch Environ Contam Toxicol** 1983 Nov;12(6):655-60

Multiple bioassays to assess the toxicity of a sanitary landfill leachate. Plotkin S, et al. **Arch Environ Contam Toxicol** 1984 Mar;13(2):197-206

Histopathological, hematological, condition-factor, and organ weight changes associated with selenium accumulation in fish from Belews Lake, North Carolina. Sorensen EM, et al. **Arch Environ Contam Toxicol** 1984 Mar;13(2):153-62

Intraspecific variation in copper susceptibility of the bluegill sunfish. Tsai C, et al. **Arch Environ Contam Toxicol** 1984 Jan;13(1):93-9

Acute toxicity of chromate, DDT, PCP, TPBS, and zinc to Daphnia magna cultured in hard and soft water. Berglind R, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):63-8

Baker's yeast assay procedure for testing heavy metal toxicity. Bitton G, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):80-4

Sediment bioassays with oyster larvae. Chapman PM, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):438-44

Bioluminescent toxicity assay of synfuel by-product waters. Delistraty D. **Bull Environ Contam Toxicol** 1984 May; 32(5):613-20

Changes in bluegill activity as a monitor of acute benzene exposure. Fisher JW, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):26-32

Scale morphologic response to aromatic hydrocarbons. Henderson V. **Bull Environ Contam Toxicol** 1983 Sep; 31(3):315-21

Time course study of occurrence of anomalies in medaka's centrum by cadmium or fenitrothion emulsion. Hiraoka Y, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):693-7

Free amino acid pool of a sea anemone: exposure and recovery after an oil spill. Kasschau MR, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):56-62

Oil and PCB interactions on the uptake and excretion in midges. Meier PG, et al. **Bull Environ Contam Toxicol** 1984 Aug;33(2):225-32

Influence of an elevated cadmium level in the food on growth and food conversion of Nereis succinea. Neuhoff HG. **Bull Environ Contam Toxicol** 1983 Nov;31(5):535-42

Fish mortality following application of phenthoate to Florida citrus. Nigg HN, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):587-96

Long-term effects of arsenic accumulation in rainbow trout, Salmo gairdneri. Oladimeji AA, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):732-41

Effects of dyestuff effluents on Nigeria macro-benthic invertebrates Hippopera nigeriae. Ozoh PT. **Bull Environ Contam Toxicol** 1984 Aug;33(2):210-4

Effects of crude Dubai oil on Salmo gairdneri Rich. and Carassius auratus L. Ramusino MC, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):368-76

Exposure to the water soluble fraction of crude oil or to naphthalenes alters breathing rates in Gulf killifish, Fundulus grandis. Russell LC, et al. **Bull Environ Contam Toxicol** 1984 Mar;32(3):363-7

Effects of water hardness, water temperature, and size of the test organism on the susceptibility of the freshwater shrimp, Gammarus pulex (L.), to toxicants. Stephenson RR. **Bull Environ Contam Toxicol** 1983 Oct;31(4):459-66

Influence of Edwardsiella ictaluri septicemia on nitrite-induced methemoglobinemia in channel catfish (Ictalurus punctatus). Tucker CS, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):665-73

Mutagenic and DNA damaging activity in muscle of trout exposed in vivo to nitrite. De Flora S, et al. **Cancer Lett** 1983 Sep;20(2):147-55

Bioenergetics of acclimation to permethrin (NRDC-143) by rainbow trout. Kumaraguru AK, et al. **Comp Biochem Physiol [C]** 1983;75(2):247-52

The effect of acid water on the loss of divalent cations and primary amines from natural membranes. Swinehart JH, et al. **Comp Biochem Physiol [C]** 1984;77(2):327-30

Toxicity and QSAR of chlorophenols on Lebistes reticulatus. Benoit-Guyod JL, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):227-35

Use of a mixed algal culture to characterize industrial wastewaters. Claesson A. **Ecotoxicol Environ Safety** 1984 Feb;8(1):80-96

Population ecology of rotifers as a bioassay tool for ecotoxicological tests in aquatic environments. Halbach U, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):484-513

Toxicity of selected priority pollutants to various aquatic organisms. Holcombe GW, et al. **Ecotoxicol Environ Safety** 1983 Aug;7(4):400-9

Fate and effects of 3,4-dichloroaniline (DCA) in marine plankton communities in experimental enclosures. Kuiper J, et al. **Ecotoxicol Environ Safety** 1984 Feb;8(1):34-54

Fate and effects of 4-chlorophenol and 2,4-dichlorophenol in marine plankton communities in experimental enclosures. Kuiper J, et al. **Ecotoxicol Environ Safety** 1984 Feb; 8(1):15-33

Comparative studies on ecotoxicology of synthetic detergents. Lal H, et al. **Ecotoxicol Environ Safety** 1983 Dec;7(6):538-45

Physiological effects of an additional stressor on fish exposed to a simulated heavy-metal-containing effluent from a sulfide ore smeltery. Larsson A, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):118-28

45Ca uptake from water by snails (Lymnaea vulgaris) in control and detergent-polluted samples. Misra V, et al. **Ecotoxicol Environ Safety** 1984 Feb;8(1):97-9

Acute effect of mercury toxicity on some enzymes in liver

of teleost Sarotherodon mossambicus. Naidu KA, et al. **Ecotoxicol Environ Safety** 1984 Jun;8(3):215–8

Biochemical and hematological studies on perch, Perca fluviatilis, from the cadmium–contaminated river Emån. Sjöbeck ML, et al. **Ecotoxicol Environ Safety** 1984 Jun; 8(3):303–12

Lethal and sublethal effects of cadmium on marine organisms—a critical discussion about 'safety levels'. Sperling KR. **Ecotoxicol Environ Safety** 1983 Dec; 7(6):521–4

A tentative assessment of water pollution by the medaka egg stationing method: aerial application of fenitrothion emulsion. Hiraoka Y, et al. **Environ Res** 1984 Aug; 34(2):262–7

Structure–activity relationships in aquatic toxicology. Birge WJ, et al. **Fundam Appl Toxicol** 1983 Sep–Oct;3(5):359–68 (45 ref.)

Comparative aquatic toxicology of aromatic hydrocarbons. Black JA, et al. **Fundam Appl Toxicol** 1983 Sep–Oct; 3(5):353–8 (24 ref.)

Characteristics of vertebral abnormalities of medaka as a water pollution indicator. Hiraoka Y, et al. **Hiroshima J Med Sci** 1983 Sep;32(3):261–6

Mutagenicity studies on herring gulls from different locations on the Great Lakes. I. Sister chromatid exchange rates in herring–gull embryos. Ellenton JA, et al. **J Toxicol Environ Health** 1983 Aug–Sep;12(2–3):317–24

Mount Gambier drinking water and birth defects. A laboratory study in rats after earlier epidemiological findings. Dreosti IE, et al. **Med J Aust** 1984 Sep 29; 141(7):409–11

Longevity of selected bacteria in black water. Stender JO, et al. **Microbiologica** 1983 Oct;6(4):347–53

The detection of mutagenic chemicals in the tissues of shellfish exposed to oil pollution. Kadhim M, et al. **Mutat Res** 1984 May;136(2):93–105

Genotoxic activity of pulp mill effluent in Salmonella and Saccharomyces cerevisiae assays. Kamra OP, et al. **Mutat Res** 1983 Sep;118(4):269–76

Mutagenicity of Nagara river sediment. Sato T, et al. **Mutat Res** 1983 Sep;118(4):257–67

The mutagenicity on Salmonella typhimurium of nitrobenzoic acids and other wastewater components generated in the production of nitrobenzoic acids and nitrotoluenes. Sundvall A, et al. **Mutat Res** 1984 Aug–Sep; 137(2–3):71–8

Behavioral toxicity of chloral in mice: an approach to evaluation. Kallman MJ, et al. **Neurobehav Toxicol Teratol** 1984 Mar–Apr;6(2):137–46

Dielectric studies on the reaction of the intracellular matter of fish red blood cells to detergent toxicity. Bielinska I, et al. **Phys Med Biol** 1984 May;29(5):525–34

Behavioral avoidance and selection responses of fishes to chemicals. Beitinger TL, et al. **Residue Rev** 1983;90:35–55 (39 ref.)

Study of long term effects of oil and oil–dispersant mixtures on freshwater microbial populations in man made ponds. Dutka BJ, et al. **Sci Total Environ** 1984 Apr 19;35(2):135–48

The fate and impact of oil and oil–dispersant mixtures in freshwater pond ecosystems: introduction. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):105–13

Impact of oil and oil–dispersant mixtures on the fauna of freshwater ponds. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):191–206

Impact of oil and oil–dispersant mixtures on flora and water chemistry parameters in freshwater ponds. Scott BF, et al. **Sci Total Environ** 1984 Apr 19;35(2):169–90

The impact of oil and oil–dispersant mixtures on fungi in freshwater ponds. Sherry JP. **Sci Total Environ** 1984 Apr 19;35(2):149–67

Detoxication of industrial pollutants by the glutathione glutathione–S–transferase system in the liver of Anabas testudineus (Bloch). Chatterjee S, et al. **Toxicol Lett** 1984 Aug;22(2):187–98

Histological observations on the liver of Tilapia mossambica after exposure to monocrotophos, an organophosphorus insecticide. Desai AK, et al. **Toxicol Lett** 1984 Jun; 21(3):325–31

Acute toxicity of vegetable oil factory effluent to some freshwater teleosts in relation to size. Kondal JK, et al. **Toxicol Lett** 1984 May;21(2):155–62

Changes in respiration and ionic content in tissues of freshwater mussel exposed to methyl parathion toxicity. Moorthy KS, et al. **Toxicol Lett** 1984 Jun;21(3):287–91

Aquatic animal bioassays for carcinogenesis. Black JJ. **Transplant Proc** 1984 Apr;16(2):406–11

Toxicosis in cattle from contaminated well water. Hibbs CM, et al. **Vet Hum Toxicol** 1983 Aug;25(4):253–4

[Experimental validation of the maximum allowable concentration of ferric chloride in water reservoirs] Akhundov VIu, et al. **Gig Sanit** 1983 Sep;(9):71–2 **(Rus)**

[Toxicology of freon–22 and its permissible level in reservoir water] Antonova VI, et al. **Gig Sanit** 1983 Aug;(8):69–70 (6 ref.) **(Rus)**

[Prospects for studying the endocrine apparatus of the gastrointestinal tract in setting hygienic standards for chemical compounds in the drinking water] Bonashevskaia TI, et al. **Gig Sanit** 1984 Jun;(6):60–2 (27 ref.) **(Rus)**

[Health standardization of Cyanox in water] Datsenko II, et al. **Gig Sanit** 1983 Sep;(9):76–7 **(Rus)**

[Hygienic regulation of the defoliant drop in the water] Demidenko NM, et al. **Gig Sanit** 1984 Jan;(1):72–4 **(Rus)**

[Scientific establishment of the maximum permissible concentration of tetrachlorodiane in reservoir water] Fomochkin IP, et al. **Gig Sanit** 1984 Feb;(2):64–6 **(Rus)**

[Establishment of a hygienic norm for sodium alkylbenzene sulfonate in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1983 Jun;(6):81–2 **(Rus)**

[Hygienic regulation of sodium toluene sulfonate in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1983 Aug;(8):67–9 (6 ref.) **(Rus)**

[Relation between determination of the mutagenicity of lead and establishment of safe levels in water] Krasovskiĭ GN, et al. **Gig Sanit** 1984 Mar;(3):15–7 (Eng. Abstr.) **(Rus)**

[Comparative toxicity of inorganic compounds containing 3– and 5–valent arsenic with respect to health standards for water] Krasovskiĭ GN, et al. **Gig Sanit** 1984 Apr; (4):9–11 (Eng. Abstr.) **(Rus)**

[Increased efficiency in research to establish the MPEL for substances in water based on a plan of staged norm setting] Krasovskiĭ GN, et al. **Gig Sanit** 1983 Jun;(6):22–5 (Eng. Abstr.) **(Rus)**

[Significance of trihalomethanes in drinking water] Novikov IuV, et al. **Gig Sanit** 1984 Apr;(4):51–5 (17 ref.) **(Rus)**

[Health standardization of sebacic and adipic acids in water reservoirs] Novikov IuV, et al. **Gig Sanit** 1983 Sep;(9):72–5 **(Rus)**

[Experimental substantiation of the maximum permissible concentrations of 2–chloroethylphosphonic acid and its esters in reservoir water] Ryskeldieva EF. **Gig Sanit** 1983 Aug;(8):79–82 (3 ref.) **(Rus)**

[Determination of the maximum permissible exposure level of chloride acid diethylamine and diethylguanidine in water] Saratikov AS, et al. **Gig Sanit** 1984 Jan;(1):71–2 **(Rus)**

[Long–term effects of aromatic amines and products of their transformation in water on the body] Shtannikov EV, et al. **Gig Sanit** 1983 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

[Hygienic establishment of maximum permissible concentrations of nitrilotrimethylphosphonic acid and a copper–containing complex in reservoir water] Sulelmanov RA, et al. **Gig Sanit** 1984 Feb;(2):67–8 **(Rus)**

[Methodological characteristics of the hygienic study of the impact of the water factor on population health] Trofimova EM. **Gig Sanit** 1983 Nov;(11):56–8 **(Rus)**

[Calculation methods for determining MPELs and other norms] Tsendrovskaia VA. **Gig Sanit** 1983 Jun;(6):17–20 (Eng. Abstr.) **(Rus)**

[Need to calculate the correlations between the oral and inhalational toxicity of substances in establishing hygienic standards] Voĭtenko GA, et al. **Gig Sanit** 1984 Jun;(6):13–6 (Eng. Abstr.) **(Rus)**

[Toxicologic characteristics of several pesticides and standards for them in water] Novakova S, et al. **Probl Khig** 1983;8:116–20 (Eng. Abstr.) **(Rus)**

[Dosage choice for studying the embryotoxic and teratogenic action of chemical substances for setting their permissible levels in reservoir water] Leonskaia GI. **Vrach Delo** 1984 Feb;(2):103–6 (Eng. Abstr.) **(Rus)**

WATER POLLUTANTS, CHEMICAL see under **WATER POLLUTANTS**

WATER POLLUTANTS, RADIOACTIVE see under **WATER POLLUTANTS**

WATER POLLUTION

Microplate fecal coliform method to monitor stream water pollution. Maul A, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1032–7

Use of nitrifying activity measurements for describing the effect of salinity on nitrification in the Scheldt estuary. Somville M. **Appl Environ Microbiol** 1984 Feb;47(2):424–6

Sorbitol–fermenting bifidobacteria as specific indicators of human faecal pollution. Mara DD, et al. **J Appl Bacteriol** 1983 Oct;55(2):349–57

Contamination of water within buildings. Goodman AH. **J R Soc Health** 1984 Feb;104(1):14–7

Cyanobacterial poisoning hazard in British freshwaters [letter] Codd GA. **Vet Rec** 1983 Sep 3;113(10):223–4

Relative frequencies and significance of faecal coliforms as indicators related to water temperature. Auben EG, et al. **Zentralbl Mikrobiol** 1983;138(5):329–36

[Taenia saginata, a historical, ecological and epidemiological study] Engelbrecht H. **Angew Parasitol** 1984 Mar; 25(1):17–26 (Eng. Abstr.) **(Ger)**

[The definition of 'water quality' and the limnologic foundations of its assessment in the past and in the future] Elster HJ. **Schriftenr Ver Wasser Boden Lufthyg** 1982; 54:21–37 (64 ref.) **(Ger)**

[Monitoring of drinking water from the bacteriologic–public health viewpoint] Schulze E. **Z Gesamte Hyg** 1984 Apr; 30(4):219–21 (Eng. Abstr.) **(Ger)**

[Determination of mercury, lead and cadmium in fish from the Rhine and Main using flameless atomic absorption] Janssen E, et al. **Z Lebensm Unters Forsch** 1984; 178(3):168–72 (Eng. Abstr.) **(Ger)**

[Germ transfer into swimming pool water by head hair] Mueller RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):280–96 (Eng. Abstr.) **(Ger)**

[Mixed sewage–industrial pollution in estuarial brinish waters. Decontamination possibilities. I. Microbiologic aspects] Cioglia AM, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):435–48 (Eng. Abstr.) **(Ita)**

[Indicator value of bacteriophages with reference to viral contamination of water] Bagdasar'ian GA, et al. **Gig Sanit** 1983 Sep;(9):4–7 (Eng. Abstr.) **(Rus)**

[Use of complex indices in elaborating the hygienic classification of reservoirs by the degree of their pollution] Novikov IuV, et al. **Gig Sanit** 1984 Jun;(6):11–3 (Eng. Abstr.) **(Rus)**

[An epidemic of viral hepatitis A after consumption of mussels from polluted seawater] Novaković T, et al. **Vojnosanit Pregl** 1983 May–Jun;40(3):163–7 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Selection of allelic isozyme polymorphisms in marine organisms: pattern, theory, and application. Nevo E, et al. **Isozymes Curr Top Biol Med Res** 1983;10:69–92 (128 ref.)

Natural and pollution caused fish kills in Kansas during 1979–1980. Haslouer SG. **Trans Kans Acad Sci** 1983 Oct; 86(4):136–43

[Epidemiology and basic pathogenetic mechanisms of environmental and iatrogenic diseases] Neumayr A. **Aktuel Gerontol** 1983 Sep;13(5):167–72 (Eng. Abstr.) **(Ger)**

ANALYSIS

The relationship between three potential pathogens and pollution indicator organisms in Nova Scotian coastal waters. Robertson WJ, et al. **Can J Microbiol** 1983 Oct; 29(10):1261–9

Pollution indicators and potential pathogenic microorganisms in estuarine recreational waters. Robertson WJ. **Can J Public Health** 1984 Jan–Feb;75(1):19–24

Impact of sewage treatment plants on surface waters. Seyfried PL, et al. **Can J Public Health** 1984 Jan–Feb; 75(1):25–31

Incubation temperature and faecal streptococci recovery from marine sediments. Tosti E, et al. **Microbiologica** 1984 Jan;7(1):103–6

Enterobacteriaceae and other gram negative bacteria in the water of lakes used as open air baths around the city of Bratislava. Krčméry V Jr. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr; 177(3–4):334–41

Viral pollution of some artificial reservoirs in Romania. Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3–4):327–33

[Bacteriological and chemical research on the state of pollution of the Aterno river at Aquila] Leoni V, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):625–36 (Eng. Abstr.) **(Ita)**

[Use of a numerical index for evaluation of the results of hydrobiological analysis of water from water mains] Luczak J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):89–95 (Eng. Abstr.) **(Pol)**

[Distribution of microorganisms in ground water flow in bacterial contamination of the water table] Barannikov VD. **Gig Sanit** 1983 Nov;(11):77–9 **(Rus)**

[Organization of the laboratory control of environmental protection measures] Gudkov VI, et al. **Voen Med Zh** 1984 Jan;(1):44–5 **(Rus)**

[Detection of sources of drinking water contamination] Isaev IuA, et al. **Voen Med Zh** 1983 Oct;(10):58–9 **(Rus)**

PREVENTION & CONTROL

Canada's leading role in implementing the United Nations program on water quality monitoring. Barabas S. **Can J Public Health** 1984 Jan–Feb;75(1):69–73

The best of all things. Hicks FH, et al. **Can J Public Health** 1984 Jan–Feb;75(1):9–11

Recreational water quality and human health. Morrison AB. **Can J Public Health** 1984 Jan–Feb;75(1):13–4

Guidelines for Canadian recreational water quality. Tobin RS, et al. **Can J Public Health** 1984 Jan–Feb;75(1):15–8

Water treatment for the home or cottage. Tobin RS. **Can J Public Health** 1984 Jan–Feb;75(1):79–82

[Prevention of sewage sludge contamination with heavy metals: possibilities and limitations] Ammann P. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):739–45 **(Fre)**

[Responsibilities of the Public Health Department based on the drinking–water ordinance] Pfau E. **Off Gesundheitswes** 1983 Oct;45(10):521–4 **(Ger)**

[An example of pollutant diminution in sewage] Schärer J. **Schweiz Arch Tierheilkd** 1983 Oct;125(10):733–7 **(Ger)**

[Hygiene problems in inland and sea navigation] Goethe H. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):45–52 (Eng. Abstr.) **(Ger)**

[Communicable disease problems of sewage with special reference to human pathogenic viruses] Seidel K. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Sep; 178(1–2):98–110 (Eng. Abstr.) **(Ger)**

[Sanitary protection of the Kura River] Akhundov VIu, et al. **Gig Sanit** 1984 Jun;(6):68 **(Rus)**

WATER POLLUTION, CHEMICAL

see related
EUTROPHICATION

Hexavalent chromium–resistant bacteria isolated from river sediments. Luli GW, et al. **Appl Environ Microbiol** 1983

Oct;46(4):846–54

Chronic exposure of coho salmon to sublethal concentrations of copper—III. Kinetics of metabolism of metallothionein. McCarter JA, et al. **Comp Biochem Physiol [C]** 1984; 77(1):83–7

Hepatic metallothionein production and resistance to heavy metals by rainbow trout (Salmo gairdneri)—I. Exposed to an artificial mixture of zinc, copper and cadmium. Roch M, et al. **Comp Biochem Physiol [C]** 1984;77(1):71–5

Hepatic metallothionein production and resistance to heavy metals by rainbow trout (Salmo gairdneri)—II. Held in a series of contaminated lakes. Roch M, et al. **Comp Biochem Physiol [C]** 1984;77(1):77–82

Effect of naphthalene on color changes of the sand fiddler crab, Uca pugilator. Staub GC, et al. **Comp Biochem Physiol [C]** 1984;77(1):7–12

Water quality in the next decade. Shuttleworth AJ. **J R Soc Health** 1984 Feb;104(1):10–3

Effects of crude oils on the gastrointestinal parasites of two species of marine fish. Khan RA, et al. **J Wildl Dis** 1983 Jul;19(3):253–8

EDB contamination kindles federal action [news] Sun M. **Science** 1984 Feb 3;223(4635):464–6

[Current main problems of coastal pollution (wastes, transformations, interactions...)] Jouany JM. **Bull Acad Natl Med (Paris)** 1983 May;167(5):461–5 (Eng. Abstr.) (Fre)

[Pollution by urban and farm wastes: eutrophication] Romaña LA. **Bull Acad Natl Med (Paris)** 1983 May;167(5):499–505 (Fre)

[Basic studies of environmental monitoring using Lemna paucicostata. Heavy metal absorption and action] Nasu Y. **Nippon Eiseigaku Zasshi** 1983 Dec;38(5):839–52 (Eng. Abstr.) (Jpn)

[Viability of the sanitary indicator and pathogenic microorganisms in reservoirs polluted by chemical substances] Grigor'eva LV, et al. **Gig Sanit** 1983 Nov; (11):24–7 (Eng. Abstr.) (Rus)

[Complex action of surface electrical discharges on polluted waters] Viltmaa EKh, et al. **Gig Sanit** 1984 May;(5):8–9 (Rus)

ADVERSE EFFECTS

Methemoglobinemia in an infant. Maloney WJ, et al. **Ariz Med** 1983 Oct;40(10):700–2

A limited epizootic of neuroblastoma in coho salmon reared in chlorinated-dechlorinated water. Meyers TR, et al. **JNCI** 1984 Feb;72(2):299–310

Dysplastic lesions and abnormalities in amphibians associated with environmental conditions. Mizgireuv IV, et al. **Neoplasma** 1984;31(2):175–81

[Prenatal toxic effect of oral nitrate administration in rats] Heinze R, et al. **Z Gesamte Hyg** 1983 Nov;29(11):667–9 (Eng. Abstr.) (Ger)

[Changes in the function and morphology of the rat thyroid gland following oral nitrate administration] Knopp D, et al. **Z Gesamte Hyg** 1983 Nov;29(11):664–7 (Eng. Abstr.) (Ger)

[Water pollution as a threat to human health] Jeleński K. **Folia Med Cracov** 1982–83;24(3–4):193–202 (Eng. Abstr.) (Pol)

ANALYSIS

Spectrofluorometric determination of mercury (II) in river waters with rhodamine B. Momirović-Culjat J, et al. **Arh Hig Rada Toksikol** 1983 Sep;34(3):217–28

Release of volatile liquid hydrocarbons from spilled petroleum. McDonald TJ, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):621–8

Distribution function of heavy metals in river sediment. Nishida H, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):212–9

A statistical view of heavy metal pollution index of river sediment. Nishida H, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):503–9

Influence of sediment types on the sorption of endothall. Reinert KH, et al. **Bull Environ Contam Toxicol** 1984 May; 32(5):557–64

Use of fish gill and liver tissue to monitor zinc pollution. Saltes JG, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):233–7

Polychlorinated biphenyl pollution from shipbuilding in Nagasaki Bay, Japan. Maruyama K, et al. **Ecotoxicol Environ Safety** 1983 Oct;7(5):514–20

[Biliary excretion of xenobiotics in vertebrates and its significance for the chemical analytic detection of environmental toxins using the fish test] Grahl K. **Z Gesamte Hyg** 1984 Jun;30(6):336–7 (Eng. Abstr.) (Ger)

[Inducibility of microsomal liver enzymes of the tench (Tinca tinca) as a contribution to water toxicology screening] Schiller F, et al. **Z Gesamte Hyg** 1983 Nov;29(11):670–2 (Eng. Abstr.) (Ger)

[Public health classification of substances contained in the water according to the degree of pollution] Sidorenko G, et al. **Z Gesamte Hyg** 1983 Nov;29(11):673–4 (Eng. Abstr.) (Ger)

[Mixed sewage–industrial pollution in estuarial brinish waters. Decontamination possibilities. II. Chemical aspects] Contu A, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):469–88 (Eng. Abstr.) (Ita)

[Contamination of water by organic halogen compounds and chlorinated pesticides in Liguria] Kanitz S, et al. **Nuovi Ann Ig Microbiol** 1982 Jul–Dec;33(4–6):609–24 (Eng. Abstr.) (Ita)

[Detection and determination of pesticides in subsurface waters] Pilichowska J, et al. **Rocz Panstw Zakl Hig** 1983; 34(5–6):507–12 (Eng. Abstr.) (Pol)

[Distribution of chemical substances in the surface layer of water] Il'in IE. **Gig Sanit** 1984 Jan;(1):19–22 (Eng. Abstr.) (Rus)

[Healthful substantiation of the maximum allowable concentration of morozole-2 in reservoir water] Nagornyi PA, et al. **Gig Sanit** 1983 Dec;(12):63–5 (Rus)

PREVENTION & CONTROL

Microbial growth associated with granular activated carbon in a pilot water treatment facility. Wilcox DP, et al. **Appl Environ Microbiol** 1983 Aug;46(2):406–16

[Various sanitary-hygienic approaches to organizing control of the condition of water resources on oil fields] Galiev MA. **Gig Sanit** 1984 Apr;(4):68–9 (Rus)

[Sanitary control over the use of dispersants for the surface cleanup of oil films from reservoirs] Galiev MA, et al. **Gig Sanit** 1984 Jun;(6):64–6 (Rus)

[Hygienic aspects of protecting surface reservoirs in a territorial industrial complex] Tikhomirov IuP, et al. **Gig Sanit** 1983 Aug;(8):10–3 (4 ref.) (Eng. Abstr.) (Rus)

[Detoxification of aqueous solutions of urea derivatives by chlorination] Tsipriian VI, et al. **Gig Sanit** 1984 Mar; (3):89–91 (Rus)

WATER POLLUTION, RADIOACTIVE

The bioaccumulation factor for phosphorus-32 in edible fish tissue. Kahn B, et al. **Health Phys** 1984 Feb;46(2):321–33

Dose estimation from chronic tritium exposure using tritium concentrations in urine and hair. Pietrzak-Flis Z, et al. **Health Phys** 1984 Feb;46(2):460–4

Uptake and excretion of 60Co by black bullheads Ictalurus melas (Rafinesque). Reed JR. **Health Phys** 1971 Dec; 21(6):835–44

A simplified model for estimating health effects due to leaching of long-lived nuclides stored in a radioactive waste repository. Robkin M. **Health Phys** 1984 Feb; 46(2):303–13

The induction of chromosome aberrations in human lymphocytes by in vitro irradiation with beta particles from tritiated water. Vulpis N. **Radiat Res** 1984 Mar;97(3):511–8

Radioactive seaweed stirs U.K. low level waste fight [news] Dickson D. **Science** 1984 Jan 6;223(4631):35

ANALYSIS

Radon-222 in municipal water supplies in the central United States. Prichard HM, et al. **Health Phys** 1983 Nov; 45(5):991–3

The development and application of alpha-particle spectrometry for low-level-radioactivity measurements in biological and environmental materials. Lally AE, et al. **Int J Appl Radiat Isot** 1984 Apr;35(4):291–9

[Indication of the radioactive contamination of the water system by the radionuclide content of submerged macrophytes] Vintsukevich NV, et al. **Gig Sanit** 1984 May; (5):87–9 (Rus)

WATER POLLUTION, THERMAL

[Hygienic aspects of the thermal pollution of reservoirs] Vlodavets VV, et al. **Gig Sanit** 1983 Aug;(8):50–3 (32 ref.) (Rus)

WATER SOFTENING

[Are users of water softening devices more severely affected by alcohol?] Hackl H. **Off Gesundheitswes** 1983 Dec; 45(12):618–9 (Ger)

[Effects of water purification on renal osteodystrophy in the patients with regular hemodialysis therapy] Masuyama J, et al. **Nippon Jinzo Gakkai Shi** 1984 Apr;26(4):407–16 (Eng. Abstr.) (Jpn)

METHODS

[Experimental and clinical studies of UV irradiation-treated soft water] Beskrovnyĭ AM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 May–Jun; (3):62–3 (Rus)

WATER SUPPLY

Incidence of Pseudomonas aeruginosa serogroups in drinking water: use of serotyping in the control of water supplies. Kiss P, et al. **Acta Microbiol Hung** 1983;30(2):131–7

Intervention studies and the definition of dominant transmission routes. Briscoe J. **Am J Epidemiol** 1984 Sep; 120(3):449–55

Environmental factors in the relationship between breastfeeding and infant mortality: the role of sanitation and water in Malaysia. Butz WP, et al. **Am J Epidemiol** 1984 Apr;119(4):516–25

Congenital malformations and maternal drinking water supply in rural South Australia: a case-control study. Dorsch MM, et al. **Am J Epidemiol** 1984 Apr;119(4):473–86

A case-control study of asbestos in drinking water and cancer risk. Polissar L, et al. **Am J Epidemiol** 1984 Mar; 119(3):456–71

Febrile illness in successive cohorts of tourists at a hotel on the Italian Adriatic coast: evidence for a persistent focus of Legionella infection. Rosmini F, et al. **Am J Epidemiol** 1984 Jan;119(1):124–34

Heat eradication measures for control of nosocomial Legionnaires' disease. Implementation, education, and cost analysis. Best M, et al. **Am J Infect Control** 1984 Feb; 12(1):26–30

Water supply and health in developing countries: selective primary health care revisited. Briscoe J. **Am J Public Health** 1984 Sep;74(9):1009–13

The role of skin absorption as a route of exposure for volatile organic compounds (VOCs) in drinking water. Brown HS, et al. **Am J Public Health** 1984 May;74(5):479–84

Endemic Campylobacter jejuni infection in Colorado: identified risk factors. Hopkins RS, et al. **Am J Public Health** 1984 Mar;74(3):249–50

A community waterborne gastroenteritis outbreak: evidence for rotavirus as the agent. Hopkins RS, et al. **Am J Public Health** 1984 Mar;74(3):263–5

Investigation of a waterborne outbreak of giardiasis using serologic testing by IFA. Vogt RL, et al. **Am J Public Health** 1984 Mar;74(3):272

Comment on water supply and health in developing countries [letter] Walsh JA. **Am J Public Health** 1984 Oct; 74(10):1167–8

Epidemiological studies of health effects of water from different sources. Masironi R, et al. **Annu Rev Nutr** 1981; 1:375–400 (94 ref.)

Assessment of bacterial growth and total organic carbon removal on granular activated carbon contactors. Bancroft K, et al. **Appl Environ Microbiol** 1983 Sep;46(3):683–8

Biotyping and virulence factors in clinical and environmental isolates of Aeromonas species. Burke V, et al. **Appl Environ Microbiol** 1984 May;47(5):1146–9

Association of metal tolerance with multiple antibiotic resistance of bacteria isolated from drinking water. Calomiris JJ, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1238–42

Processing and transport of environmental virus samples. Dahling DR, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1272–6

Effectiveness of 1-bromo-3-chloro-5,5-dimethylhydantoin against Legionella pneumophila in a cooling tower. Fliermans CB, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1307–10

Effect of noncoliforms on coliform detection in potable groundwater: improved recovery with an anaerobic membrane filter technique. Franzblau SG, et al. **Appl Environ Microbiol** 1984 Jul;48(1):142–8

Inactivation of hepatitis A virus and indicator organisms in water by free chlorine residuals. Grabow WO, et al. **Appl Environ Microbiol** 1983 Sep;46(3):619–24

Simultaneous concentration of four enteroviruses from tap, waste, and natural waters. Guttman-Bass N, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1311–5

Development and testing of a filter system for isolation of Giardia lamblia cysts from water. Hausler WJ Jr, et al. **Appl Environ Microbiol** 1984 Jun;47(6):1346–7

Detection of enteric viruses in treated drinking water. Keswick BH, et al. **Appl Environ Microbiol** 1984 Jun; 47(6):1290–4

Susceptibility of Legionella pneumophila to chlorine in tap water. Kuchta JM, et al. **Appl Environ Microbiol** 1983 Nov; 46(5):1134–9

Novel method for studying the public health significance of macroinvertebrates occurring in potable water. Levy RV, et al. **Appl Environ Microbiol** 1984 May;47(5):889–94

Effect of ambient temperature storage on potable water coliform population estimations. Standridge JH, et al. **Appl Environ Microbiol** 1983 Nov;46(5):1113–7

Removal of enteric viruses from surface water at eight waterworks in The Netherlands. van Olphen M, et al. **Appl Environ Microbiol** 1984 May;47(5):927–32

Rotavirus survival in conventionally treated drinking water. Sattar SA, et al. **Can J Microbiol** 1984 May;30(5):653–6

Epidemic dialysis encephalopathy [letter] Hocken AG. **Clin Nephrol** 1984 Feb;21(2):140

Man-made dams acting as sources of bilharziasis in Onganga village, Kanyaluo Location, South Nyanza. Masaba SC, et al. **East Afr Med J** 1983 Dec;60(12):860–2

Additional notes on the use of quantitative analysis of urine to assess exposure to asbestos fibers in drinking water in the Puget Sound region. Boatman ES. **Environ Health Perspect** 1983 Nov;53:195

Use of quantitative analysis of urine to assess exposure to asbestos fibers in drinking water in the Puget Sound region. Boatman ES, et al. **Environ Health Perspect** 1983 Nov; 53:131–41

Effect of population density on the results of the study of water supplies in five California counties. Conforti PM. **Environ Health Perspect** 1983 Nov;53:69–78

Additional comments on the study of the effect of population density on the results of the California Bay area study. Conforti PM. **Environ Health Perspect** 1983 Nov;53:191–2

Comments on the California studies. Cooper RC. **Environ Health Perspect** 1983 Nov;53:109–10

The San Francisco Bay epidemiology studies on asbestos in drinking water and cancer incidence: relationship to studies

in other locations and pointers for further research. Kanarek MS. **Environ Health Perspect** 1983 Nov;53:105–6

Assessment of studies on cancer risks from asbestos in Connecticut drinking water. Meigs JW. **Environ Health Perspect** 1983 Nov;53:107–8

Additional notes on the case–control study in western Washington on the cancer risk from asbestos in drinking water. Polissar L, et al. **Environ Health Perspect** 1983 Nov; 53:189–90

Cancer risk from asbestos in drinking water: summary of a case–control study in western Washington. Polissar L, et al. **Environ Health Perspect** 1983 Nov;53:57–60

Observations of cancer incidence surveillance in Duluth, Minnesota. Sigurdson EE. **Environ Health Perspect** 1983 Nov;53:61–7

Answers to some questions raised by the presentation on the graphical analysis of the interrelationships between waterborne asbestos, digestive system cancer and population density. Tarter ME. **Environ Health Perspect** 1983 Nov;53:193–4

A graphical analysis of the interrelationships among waterborne asbestos, digestive system cancer and population density. Tarter ME, et al. **Environ Health Perspect** 1983 Nov;53:79–89

Asbestos in drinking water: a Canadian view. Toft P, et al. **Environ Health Perspect** 1983 Nov;53:177–80

Chronic ingestion of natural fluoride and endemic bladder stone disease. Teotia M, et al. **Indian Pediatr** 1983 Sep; 20(9):637–42

Measuring the impact of water supply and sanitation investments on diarrhoeal diseases: problems of methodology. Blum D, et al. **Int J Epidemiol** 1983 Sep; 12(3):357–65

Changes in water hardness and cardiovascular death rates. Lacey RF, et al. **Int J Epidemiol** 1984 Mar;13(1):18–24

The impact of lake creation on guinea–worm transmission in Nigeria on the eastern side of Kainji Lake. Adekolu-John EO. **Int J Parasitol** 1983 Oct;13(5):427–32

Comparative carcinogenic and mutagenic activity of coal tar and petroleum asphalt paints used in potable water supply systems. Robinson M, et al. **J Appl Toxicol** 1984 Feb; 4(1):49–56

Survival of Legionella pneumophila in a model hot water distribution system. Schofield GM, et al. **J Gen Microbiol** 1984 Jul;130 (Pt 7):1751–6

Isolation of Legionella pneumophila from water supplies: comparison of methods based on the guinea–pig and culture media. Fitzgeorge RB, et al. **J Hyg (Lond)** 1983 Oct; 91(2):179–87

Aeromonas hydrophila in livestock: incidence, biochemical characteristics and antibiotic susceptibility. Gray SJ. **J Hyg (Lond)** 1984 Jun;92(3):365–75

Exposure of water consumers to mesophilic actinomycetes. Ojanen TH, et al. **J Hyg (Lond)** 1983 Dec;91(3):535–41

A sero–epidemiologic study of a water–borne epidemic of viral hepatitis in Kolhapur City, India. Sreenivasan MA, et al. **J Hyg (Lond)** 1984 Aug;93(1):113–22

Chronic arsenic poisoning from tube–well water. Garai R, et al. **J Indian Med Assoc** 1984 Jan;82(1):34–5

Never mind the quality—look at the cost. Addison R. **J R Soc Health** 1984 Feb;104(1):18–21 (6 ref.)

Appropriate sanitation technology for the decade in Africa. Diamant BZ. **J R Soc Health** 1984 Jun;104(3):85–90

Water quality in the next decade. Shuttleworth AJ. **J R Soc Health** 1984 Feb;104(1):10–3

Problems of water storage in the rural village home: the Egyptian zir. Miller FD. **J Trop Med Hyg** 1984 Apr; 87(2):53–9

Leads from the MMWR. Contamination of potable water by phenol from a solar water tank. **JAMA** 1983 Oct 21; 250(15):1957

Legionella in hospital and hotel water supplies [letter] Bartlett CL, et al. **Lancet** 1983 Dec 3;2(8362):1315

Nutrition classics. The Journal of the American Medical Association, volume 172,1960: Relation between mortality from cardiovascular disease and treated water supplies. By Henry A. Schroeder. **Nutr Rev** 1984 Jun;42(6):226–9

Dialysis encephalopathy associated with polyvalent ion contamination. Hocken AG. **NZ Med J** 1984 Mar 28; 97(752):190–2

Epidemiologic monitoring of possible health reactions of wastewater reuse. Frerichs RR. **Sci Total Environ** 1984 Jan 27;32(3):353–63

Indirect effects of soil and water on animal health. Horvath DJ, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):143–56

Co–ordination of sanitation and water supply. Lumbers JP. **Trans R Soc Trop Med Hyg** 1984;78(3):295–7

The International Drinking Water Supply and Sanitation Decade in South–East Asia. **WHO Chron** 1984;38(2):60–4

[An outbreak of acute infective polyneuritis associated with the contamination of the water supply in Huhehaote] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Oct; 4(5):277–80 (Eng. Abstr.) **(Chi)**

[Arsenic poisoning caused by arsenic–contaminated drinking water from a phosphate fertilizer plant] Chen KT, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):355–6 (Eng. Abstr.) **(Chi)**

[Drinking water in Madagascar. Bacteriologic monitoring of treated water from 1957 to 1981] Vicens RJ, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):133–49 **(Fre)**

[Effect of the use of drinking water on the pathogenic fecal flora in a Sahel rural region] Monjour L, et al. **Bull Soc Pathol Exot Filiales** 1984 Mar–Apr;77(2):175–81 (Eng. Abstr.) **(Fre)**

[Biological stigmata of lead poisoning from water and their peculiarities. Application to the choice of diagnostic tests] Hermann J, et al. **Rev Med Interne** 1984 Jun;5(2):122–7 (Eng. Abstr.) **(Fre)**

[The problem of water reservoirs in health resorts] Gerstenberg B. **Off Gesundheitswes** 1983 Aug;45(8):419–21 **(Ger)**

[Responsibilities of the Public Health Department based on the drinking–water ordinance] Pfau E. **Off Gesundheitswes** 1983 Oct;45(10):521–4 **(Ger)**

[The role of water management in industrial society. An example of practical environmental health] Weimann B. **Schriftenr Ver Wasser Boden Lufthyg** 1982;54:13–9 **(Ger)**

[Municipal hygienic aspects of hospital hygiene. 1. Aspects of health facility location, water and sewage hygiene and refuse disposal] Grossmann G, et al. **Z Arztl Fortbild (Jena)** 1983;77(23):985–9 **(Ger)**

[Theoretical and practical problems of disinfecting phenol–contaminated waters using chlorine dioxide with special reference to experimental study results of model solutions] Thielemann H, et al. **Z Gesamte Hyg** 1983 Jul; 29(7):417–20 **(Ger)**

[Hardness of water in the International System of Units] Thielemann H, et al. **Z Gesamte Hyg** 1983 Jul;29(7):415–6 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative determination of bacterial populations in aquatic habitats. 6. Germ regrowth and drinking water] Dott W. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Oct; 178(3):263–79 (Eng. Abstr.) **(Ger)**

[Water pollution as a threat to human health] Janicki K. **Folia Med Cracov** 1982–83;24(3–4):193–202 (Eng. Abstr.) **(Pol)**

[Studies of several microelements from water sources in rural localities in correlation with morbidity due to thyreopathic endemic dystrophy and dental caries] Năstasă V, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Apr–Jun;87(2):231–5 (Eng. Abst·) **(Rum)**

[History of the water supply of the town of Jassy in the 18th and 19th century] Peiu N. **Rev Med Chir Soc Med Nat Iasi** 1983 Oct–Dec;87(4):657–9 **(Rum)**

[Carcinogenic chlororganic substances in chlorinated drinking water] Zamfir G, et al. **Rev Med Chir Soc Med Nat Iasi** 1983 Jan–Mar;87(1):29–32 **(Rum)**

[Prospects for studying the endocrine apparatus of the gastrointestinal tract in setting hygienic standards for chemical compounds in the drinking water] Bonashevskaia TI, et al. **Gig Sanit** 1984 Jun;(6):60–2 (27 ref.) **(Rus)**

[Radiational–healthful evaluation of the centralized heating and hot water supply system for the village of Bilibino from the Bilibino Atomic Heating and Power Plant] Eremin VA, et al. **Gig Sanit** 1983 Dec;(12):16–8 (Eng. Abstr.) **(Rus)**

[Use of complex indices in elaborating the hygienic classification of reservoirs by the degree of their pollution] Novikov IuV, et al. **Gig Sanit** 1984 Jun;(6):11–3 (Eng. Abstr.) **(Rus)**

[Migration of the transformation products of phenol inhibitors from raw and vulcanized rubbers intended for contact with food products and drinking water] Novitskaia LP, et al. **Gig Sanit** 1984 Feb;(2):80–1 **(Rus)**

[Hygienic evaluation of the anticorrosive coating PVKh–716 intended for protecting drinking water supply pipes] Pashkina EN, et al. **Gig San't** 1983 Oct;(10):8–9 (Eng. Abstr.) **(Rus)**

[Artificial mineralization of melted glacial water intended for drinking during mountaineering expeditions] Shikina MI, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun; 18(3):95–6 **(Rus)**

[Epidemiology of alveolar hydatid disease in the taiga zone of Yakutia. Water as one of the possible intermediate factors in the transmission of the infestation] Martynenko VB, et al. **Med Parazitol (Mosk)** 1983 Nov–Dec;(6):38–40 (Eng. Abstr.) **(Rus)**

ANALYSIS

Waterborne giardiasis at a mountain resort: evidence for acquired immunity. Istre GR, et al. **Am J Public Health** 1984 Jun;74(6):602–4

Measurement of aluminium in dialysis fluid and water by a spectrophotometric procedure. Sampson B, et al. **Analyst** 1984 Mar;109(3):369–72

Water purification and the incidence of fractures in patients receiving home haemodialysis supervised by a single centre: evidence for 'safe' upper limit of aluminium in water. Platts MM, et al. **Br Med J [Clin Res]** 1984 Mar 31; 288(6422):969–72

Acute toxicity of chromate, DDT, PCP, TPBS, and zinc to Daphnia magna cultured in hard and soft water. Berglind R, et al. **Bull Environ Contam Toxicol** 1984 Jul;33(1):63–8

More on contaminated water purification cartridges [letter] Coburn SP. **Clin Chem** 1983 Oct;29(10):1872

Role of epidemiologic studies in deriving drinking water standards for metals. Calabrese EJ. **Environ Health Perspect** 1983 Oct;52:99–106

Asbestos in water supplies of the United States. Millette JR, et al. **Environ Health Perspect** 1983 Nov;53:45–8

Drinking water for stone formers: is the calcium content relevant? Jaeger P, et al. **Eur Urol** 1984;10(1):53–4

On the hydrogen peroxyde contents in 'silver water'. Atmadjov P. **Folia Med (Plovdiv)** 1983;25(1):39–42

On the natural radioactivity of potable waters in Saudi Arabia. Martin P. **Health Phys** 1984 Apr;46(4):947–9

Radon–222 in municipal water supplies in the central United States. Prichard HM, et al. **Health Phys** 1983 Nov; 45(5):991–3

Hardness of domestic water and blood lead levels. Elwood PC, et al. **Hum Toxicol** 1983 Oct;2(4):645–8

Lead in drinking water. Kaphalia BS, et al. **Indian J Public Health** 1983 Apr–Jun;27(2):64–9

Drinking water as a source of copper. Sharda B, et al. **Indian Pediatr** 1983 Dec;20(12):927–8

Pharmacodynamics and toxicity of chlorine in drinking water in the rat. Abdel–Rahman MS, et al. **J Appl Toxicol** 1984 Apr;4(2):82–6

Direct determination of trace amounts of chlorophenols in fresh water, waste water and sea water. Abrahamsson K, et al. **J Chromatogr** 1983 Nov 25;279:199–208

Determination of priority pollutant nitrophenols in water by high–performance liquid chromatography. Schultz B. **J Chromatogr** 1983 Nov 4;269(3):208–12

Trace metals in drinking water: lack of influence on blood pressure. Sparrow D, et al. **J Chronic Dis** 1984;37(1):59–65

Water sodium, urinary electrolytes, and blood pressure of adolescents. Robertson JS. **J Epidemiol Community Health** 1984 Sep;38(3):186–94

Hygienic evaluation of repurification schemes for waste waters containing complexes for organic substances. Bulgakov RG. **J Hyg Epidemiol Microbiol Immunol** 1983; 27(3):345–50

Analysis of sodium content of community water supplies. Korch G, et al. **J Med Soc NJ** 1983 Dec;80(12):1007–9

Trihalomethanes in drinking water and human colorectal cancer. Lawrence CE, et al. **JNCI** 1984 Mar;72(3):563–8

Mount Gambier drinking water and birth defects. A laboratory study in rats after earlier epidemiological findings. Dreosti IE, et al. **Med J Aust** 1984 Sep 29; 141(7):409–11

Kidney stones and drinking water [letter] Popovtzer MM, et al. **N Engl J Med** 1984 Mar 15;310(11):721

Concentration of coliphages from drinking water by Mg(OH)2 flocculation. Schulze E, et al. **Naturwissenschaften** 1983 Dec;70(12):612–3

Concentrations of nitrates in drinking water and incidence of gastric carcinomas: first descriptive study of the Piemonte Region, Italy. Gilli G, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):35–48

Intakes of copper, zinc, cadmium, tin, iron, nickel and arsenic in a population exposed to lead from water. Sherlock JC, et al. **Sci Total Environ** 1983 Sep;30:255–60

Toxicosis in cattle from contaminated well water. Hibbs CM, et al. **Vet Hum Toxicol** 1983 Aug;25(4):253–4

Viral pollution of some artificial reservoirs in Romania. Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Apr;177(3–4):327–33

[Determination of nitrosamines in drinking water from an area with a high incidence of esophageal cancer] Zhao YH. **Chung Hua Chung Liu Tsa Chih** 1983 May;5(3):184–6 (Eng. Abstr.) **(Chi)**

[Relationship between hardness of drinking water and mortality of cardiovascular diseases] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):129–33 (Eng. Abstr.) **(Chi)**

[Colorimetric determination of nitrates and nitrites and nitrites in drinking water, food and biological samples] Hu GG. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep; 17(5):304–6 **(Chi)**

[Maximum allowable concentration of epichlorohydrin in surface and drinking water] Li XM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Jul;17(4):205–9 (Eng. Abstr.) **(Chi)**

[Comparison of adsorption methods for concentrating mutagens in drinking water] Rao ZS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):327–30 (Eng. Abstr.) **(Chi)**

[Defluorination of drinking water in the village of Xianshuizao and observation on endemic fluorosis prevention] Zhou BZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1983 Feb; 5(1):70–2 (Eng. Abstr.) **(Chi)**

[Action of various detergents in use in Cameroon on the vitality of Schistosoma mansoni cercariae: influence of the hardness factor of water] Mimpfoundi R, et al. **C R Soc Biol (Paris)** 1983;177(3):338–46 (Eng. Abstr.) **(Fre)**

[Fluoride content of drinking water in Hungary] Tóth K, et al. **Orv Hetil** 1983 Dec 18;124(51):3091–5 (Eng. Abstr.) **(Hun)**

[Aspects of dental fluorosis in subjects from regions with water rich in fluorine and their classification] Goracci G, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):795–802 (Eng. Abstr.) **(Ita)**

[Study of antimony in surface waters and beverages] Bigazzi Grasso C, et al. **Nuovi Ann Ig Microbiol** 1982 Mar–Jun; 33(2–3):295–300 (Eng. Abstr.) **(Ita)**

[Use of a numerical index for evaluation of the results of hydrobiological analysis of water from water mains] Luczak J, et al. **Rocz Panstw Zakl Hig** 1984;35(1):89–95 (Eng. Abstr.) **(Pol)**

[Presence of Enterobacteriaceae in waters purified by the

biodisc method] Nestorescu E, et al. **Rev Ig [Bacteriol]** 1984 Jan-Mar;29(1):59-65 (Eng. Abstr.) **(Rum)**

[Hygienic criteria for assessing after purified municipal sewage used in technical water supplies] Akulov KI, et al. **Gig Sanit** 1983 Jun;(6):25-7 (Eng. Abstr.) **(Rus)**

[Change in the water quality of an underground source during its long-term exploitation] Chernykh OV. **Gig Sanit** 1983 Oct;(10):73-4 **(Rus)**

[Water treatment for haloform compounds formed during water chlorination] Krasovskil GN, et al. **Gig Sanit** 1983 Nov;(11):21-4 (Eng. Abstr.) **(Rus)**

[Effect of several microelements contained in drinking water on the development of atherosclerosis] Novakova S, et al. **Probl Khig** 1983;8:121-31 (Eng. Abstr.) **(Rus)**

[Prevention of dental caries in children in a region with a high fluorine content of the drinking water] Grigor'eva LP, et al. **Stomatologiia (Mosk)** 1984 Mar-Apr;63(2):63-4 (Eng. Abstr.) **(Rus)**

[Zinc in the environment and its relation to human reproduction] Poradovský K, et al. **Cesk Gynekol** 1984 May;49(4):243-7 (Eng. Abstr.) **(Slo)**

[Determination of the fluoride ion concentration in the water of several Mexican communities] Sosa-Martínez J, et al. **Gac Med Mex** 1983 Nov;119(11):445-54 **(Spa)**

[Fluoride content of natural waters in Chile and recommendations for its supplementation] Guerrero S, et al. **Rev Chil Pediatr** 1983 May-Jun;54(3):162-6 (Eng. Abstr.) **(Spa)**

STANDARDS

Round robin investigation of methods for the recovery of poliovirus from drinking water. Melnick JL, et al. **Appl Environ Microbiol** 1984 Jan;47(1):144-50

A rapid-cell culture assay of water quality. VanDoren SR, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):220-6

Significance of losses in water distribution systems in India. Raman V. **Bull WHO** 1983;61(5):867-70

Virological examination of drinking water: a Canadian collaborative study. Payment P, et al. **Can J Microbiol** 1984 Jan;30(1):105-12

Canada's leading role in implementing the United Nations program on water quality monitoring. Barabas S. **Can J Public Health** 1984 Jan-Feb;75(1):69-73

Canadian participation in the international drinking water supply and sanitation decade. Grover B. **Can J Public Health** 1984 Jan-Feb;75(1):74-8

The best of all things. Hicks FH, et al. **Can J Public Health** 1984 Jan-Feb;75(1):9-11

Legionella and the environment. Joly JR. **Can J Public Health** 1984 Jan-Feb;75(1):57-60

Recreational water quality and human health. Morrison AB. **Can J Public Health** 1984 Jan-Feb;75(1):13-4

Sanitizing the tropics: the role of public housing, water treatment, sanitary inspection, and vector control in keeping Singapore healthy. Ruderman AP. **Can J Public Health** 1983 May-Jun;74(3):199-201

Water treatment for the home or cottage. Tobin RS. **Can J Public Health** 1984 Jan-Feb;75(1):79-82

Guidelines for Canadian recreational water quality. Tobin RS, et al. **Can J Public Health** 1984 Jan-Feb;75(1):15-8

Biochemical effects of long-term exposure to cadmium and copper on rainbow trout (Salmo gairdneri): validation of water quality criteria. Arillo A, et al. **Ecotoxicol Environ Safety** 1984 Apr;8(2):106-17

Asbestos in drinking water: a status report. Cotruvo JA. **Environ Health Perspect** 1983 Nov;53:181-3

Comparing epidemiologic studies of ingested asbestos for use in risk assessment. Erdreich LS. **Environ Health Perspect** 1983 Nov;53:99-104

Engineering and operating approaches for controlling asbestos fibers in drinking water. Logsdon GS. **Environ Health Perspect** 1983 Nov;53:169-76

Epidemiology study of the use of asbestos-cement pipe for the distribution of drinking water in Escambia County, Florida. Millette JR, et al. **Environ Health Perspect** 1983 Nov;53:91-8

Compliance data for the occurrence of radium and gross alpha-particle activity in drinking water supplies in the United States. Cothern CR, et al. **Health Phys** 1984 Mar; 46(3):503-10

Overview of the drinking water program in Arkansas. Kirsch B Jr. **J Arkansas Med Soc** 1984 Apr;80(11):537-8

A comparison of how the United States and Canada set drinking water regulations. Calabrese EJ. **Regul Toxicol Pharmacol** 1983 Dec;3(4):417-27

[Safety of tap water] Hiisvirta L. **Duodecim** 1983; 99(22):1646-53 (18 ref.) **(Fin)**

[Experimental validation of the maximum allowable concentration of ferric chloride in water reservoirs] Akhundov VIu, et al. **Gig Sanit** 1983 Sep;(9):71-2 **(Rus)**

[Health standardization of Cyanox in water] Datsenko II, et al. **Gig Sanit** 1983 Sep;(9):76-7 **(Rus)**

[Sanitary and microbiological aspects of using treated municipal waste water for industrial water supply purposes] Gabrilevskaia LN, et al. **Gig Sanit** 1983 Sep;(9):17-9 (Eng. Abstr.) **(Rus)**

[Various sanitary-hygienic approaches to organizing control of the condition of water resources on oil fields] Galiev MA. **Gig Sanit** 1984 Apr;(4):68-9 **(Rus)**

[Efficacy of using chlorine obtained by sea water electrolysis] Grigor'ev IuI, et al. **Gig Sanit** 1984 Mar;(3):84-6 **(Rus)**

[Comparative toxicity of inorganic compounds containing 3- and 5-valent arsenic with respect to health standards for water] Krasovskil GN, et al. **Gig Sanit** 1984 Apr; (4):9-11 (Eng. Abstr.) **(Rus)**

[Hygienic study of the quality of drinking water disinfected with hydrogen peroxide] Mironets NV, et al. **Gig Sanit** 1984 Mar;(3):86-7 **(Rus)**

[Health standardization of sebacic and adipic acids in water reservoirs] Novikov IuV, et al. **Gig Sanit** 1983 Sep;(9):72-5 **(Rus)**

[Hygienic regulations on the minimal level of magnesium in drinking water] Novikov IuV, et al. **Gig Sanit** 1983 Sep; (9):7-11 (Eng. Abstr.) **(Rus)**

[Gram-negative oxidase-positive bacteria in municipal water supply systems] Rusanova NA, et al. **Gig Sanit** 1984 Mar; (3):76-8 **(Rus)**

[New state standard 'The Protection of Nature. The Hydrosphere. Requirements for the Economic Drinking Water Supply of Ships' (17.1.3.09—82)] Sten'ko IuM, et al. **Gig Sanit** 1983 Oct;(10):84-5 **(Rus)**

[Detection of sources of drinking water contamination] Isaev IuA, et al. **Voen Med Zh** 1983 Oct;(10):58-9 **(Rus)**

WATERHOUSE-FRIDERICHSEN SYNDROME see under **MENINGOCOCCAL INFECTIONS**

WATTLES see **COMB AND WATTLES**

WAXES

see related
CERUMEN
INLAY CASTING WAX

Effect of disclosing wax on bonding strength of cemented crowns. Brukl CE, et al. **J Prosthet Dent** 1984 Jul; 52(1):61-5

A technique for manipulation of small lengths of stick modeling compound. Donahue RG, et al. **J Prosthet Dent** 1984 Jun;51(6):853

Film thickness of disclosing wax. Kaiser DA, et al. **J Prosthet Dent** 1983 Oct;50(4):510-2

The use of disclosing wax to evaluate denture extensions. Logan GI, et al. **J Prosthet Dent** 1984 Feb;51(2):280-1

Determination of the accuracy of laminated wax interocclusal wafers. Millstein PL, et al. **J Prosthet Dent** 1983 Sep; 50(3):327-31

Freehand sectioning with parafilm. Frohlich MW. **Stain Technol** 1984 Jan;59(1):61-2

[Preventive health inspection of the manufacture of PPU articles using Soviet antiadhesive lubricants] Bodiako VS, et al. **Gig Tr Prof Zabol** 1984 Jan;(1):45-6 **(Rus)**

ADMINISTRATION & DOSAGE

Continuous elevation of blood growth hormone concentrations by beeswax implant. Davis SL, et al. **J Dairy Sci** 1983 Sep;66(9):1980-2

ADVERSE EFFECTS

Study of ocular tissue response to paraffin wax. Murthy RK, et al. **Indian J Ophthalmol** 1983 Sep;31(5):511-6

Foreign-body reaction to bone wax. Report of a case. Aurelio J, et al. **Oral Surg** 1984 Jul;58(1):98-100

ANALYSIS

Occurrence of wax esters in the tissues of the orange roughly (Hoplostethus atlanticus). Grigor MR, et al. **Lipids** 1983 Sep;18(9):585-8

[Gas chromatographic determination of mineral wax in the air] Dmitriev MT, et al. **Gig Sanit** 1984 May;(5):42-3 **(Rus)**

ISOLATION & PURIFICATION

Separation and partial purification of wax and fatty alcohol from Okinawan sugar cane rind lipids. Sho H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Jun;29(3):313-22

PHARMACODYNAMICS

Reaction of the human tibia to bone wax. Sorrenti SJ, et al. **Clin Orthop** 1984 Jan-Feb;(182):293-6

[Chemical and physical removal of working waxes from the surfaces of artificial teeth. Preliminary observations] Scotti R, et al. **Minerva Stomatol** 1984 Mar-Apr;33(2):317-28 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Combined treatment of patients with injuries of major vessels] Ukhod VM, et al. **Klin Khir** 1983 Jul;(7):68 **(Rus)**

WEANING

Response of the longitudinal growth of cranium and long bones to early weaning in the rabbit. Van der Werf F. **Acta Morphol Neerl Scand** 1984 Mar;22(1):3-16

Role of dietary preferences in the weaning pattern of the rat. Blake HH, et al. **Am J Physiol** 1984 Jan;246(1 Pt 2):R96-101

Intestinal uptake of trypsin in newborn and weaned rabbits. Udall JN, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G183-8

Influence of weaning age and housing conditions on gastro-intestinal disorders in piglets. Danielsen V. **Ann Rech Vet** 1983;14(4):479-83

Dietary regimen, rotavirus, and hemolytic enteropathogenic Escherichia coli in weanling diarrhea of pigs. Lecce JG. **Ann Rech Vet** 1983;14(4):463-8

Influence of environmental factors on the onset of digestive disorders of the weaned piglet. Madec F, et al. **Ann Rech Vet** 1983;14(4):456-62

The role of dietary antigen in the aetiology of post weaning diarrhoea. Miller B, et al. **Ann Rech Vet** 1983;14(4):487-92

Effect of dopamine-depleting brain lesions on suckling and weaning in rats. Bruno JP, et al. **Behav Neurosci** 1984 Feb; 98(1):156-61

Development of the gastrointestinal mucosal barrier. IV. The effect of inhibition of proteolysis on the uptake of macromolecules by the intestine of the newborn rabbit before and after weaning. Udall JN, et al. **Biol Neonate** 1984;45(6):289-95

Weaning without sugar. Hine J. **Br Dent J** 1984 Jun 9; 156(11):416-7

Immunoquantitation of liver glucose-6-phosphate dehydrogenase and malic enzyme in normally and prematurely weaned rats. Back DW, et al. **Can J Biochem Cell Biol** 1983 Oct;61(10):1108-13

Early initiation of weaning foods and proliferation of bacteria in Nigerian infants. Elegbe IA, et al. **Clin Pediatr (Phila)** 1984 May;23(5):261-4

Life cycle efficiency of beef production: I. Cow efficiency ratios for progeny weaned. Davis ME, et al. **J Anim Sci** 1983 Oct;57(4):832-51

Life cycle efficiency of beef production: II. Relationship of cow efficiency ratios to traits of the dam and progeny weaned. Davis ME, et al. **J Anim Sci** 1983 Oct;57(4):852-66

The effect of diet on performance, digestibility, blood composition and intestinal microflora of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1396-402

The effect of diet on fecal moisture, osmolarity of fecal extracts, products of bacterial fermentation and loss of minerals in feces of weaned pigs. Etheridge RD, et al. **J Anim Sci** 1984 Jun;58(6):1403-11

Behavior and performance of pigs grouped by three different methods at weaning. Friend TH, et al. **J Anim Sci** 1983 Dec;57(6):1406-11

Reproductive performance of Gyr cows: the effect of weaning age of calves and postpartum energy intake. Moore CP, et al. **J Anim Sci** 1983 Oct;57(4):807-14

Grading and rotational crossbreeding of beef cattle. II. Calf performance to weaning. Neville WE Jr, et al. **J Anim Sci** 1984 Jan;58(1):38-46

An evaluation of bias in estimated breeding values for weaning weight in Angus beef cattle field records. III. Estimates of bias due to nonrandom mating. Zollinger WA, et al. **J Anim Sci** 1984 Mar;58(3):556-9

An evaluation of bias in estimated breeding values for weaning weight in Angus beef cattle field records. II. Estimates of bias due to genetic trend. Zollinger WA, et al. **J Anim Sci** 1984 Mar;58(3):550-5

An evaluation of bias in estimated breeding values for weaning weight in Angus beef cattle field records. I. Estimates of within herd genetic trend. Zollinger WA, et al. **J Anim Sci** 1984 Mar;58(3):545-9

Effects of age and weaning on enzyme activities of abomasum and pancreas of the lamb. Guilloteau P, et al. **J Dairy Sci** 1983 Nov;66(11):2373-85

Post weaning plasma progesterone, prolactin and environmental influence in the resumption of ovarian activity in sows. Pierantoni R, et al. **J Endocrinol Invest** 1983 Aug;6(4):293-6

Lactose in plasma during lactogenesis, established lactation and weaning in sows. Hartmann PE, et al. **J Physiol (Lond)** 1984 Feb;347:453-63

Plasma concentrations of LH, prolactin, oestradiol-17 beta and progesterone in sows weaned after lactation for 10 or 35 days. Kirkwood RN, et al. **J Reprod Fertil** 1984 Jan; 70(1):95-102

Current breast-feeding and weaning practices in Haiti. Graitcer PL, et al. **J Trop Pediatr** 1984 Feb;30(1):10-6

The influence of litter size and favourable conditions on mortality and weaning weights in rats. Kahan E, et al. **Lab Anim** 1984 Jul;18(3):247-51

Effects of weaning age on maternal reproduction and offspring health in rhesus monkeys (Macaca mulatta). Goo GP, et al. **Lab Anim Sci** 1984 Feb;34(1):66-9

The incidence of breast feeding and reasons for weaning. Gunn TR. **NZ Med J** 1984 Jun 13;97(757):360-3

Influence of diet on postweaning malabsorption and diarrhoea in the pig. Miller BG, et al. **Res Vet Sci** 1984 Mar;36(2):187-93

Creep feeding and post weaning diarrhoea in piglets. Miller BG, et al. **Vet Rec** 1984 Mar 24;114(12):296-7

Taste at weaning: strategies facilitating appropriate food selection by non-primate mammals. Geyer LA, et al. **World Rev Nutr Diet** 1983;41:232-54 (117 ref.)

Animal health in flatdeck rearing of weaned piglets. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):1-13

Early weaning and cage rearing of piglets; influence on behaviour. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb; 31(1):14-24

Fluid intake response of recently weaned pigs to administration of an oral glucose-glycine electrolyte formulation. Anderson KL, et al. **Zentralbl Veterinarmed [A]** 1984 May;31(4):296-302

[Increasing the effectiveness of feed mixtures for the early

weaning of piglets with the addition of fats or growth stimulators] Dvořák M. **Vet Med (Praha)** 1984 Mar; 29(3):151–62 (Eng. Abstr.) **(Cze)**

[Levels of dietary proteins and food preference in rabbits weaned early] Corti M, et al. **Riv Biol** 1983 Winter; 76(4):661–5 (Eng. Abstr.) **(Ita)**

[Electron microscopic observations on degenerative changes of mammary capillaries following ablactation] Ogoh Y, et al. **Igaku Kenkyu** 1983 Nov;53(5):281–8 (Eng. Abstr.) **(Jpn)**

[Causes and consequences of early weaning. Problems and solutions for newborn infants and infants] Martins Filho J, et al. **AMB** 1983 Jul–Aug;29(7–8):133–8 **(Por)**

[Health education in the prevention of the risk of premature weaning] Candeias NM. **Rev Saude Publica** 1983 Apr; 17(2):71–82 (Eng. Abstr.) **(Por)**

WEATHER

Changes in electrolytes, urea and creatinine excretion during dry and wet seasons. Taylor GO, et al. **Afr J Med Med Sci** 1983 Sep–Dec;12(3–4):133–7

Emergency room admissions, meteorologic variables, and air pollutants: a path analysis. Goldsmith JR, et al. **Am J Epidemiol** 1983 Nov;118(5):759–78

Airborne pollen sampling in Manoa Valley, Hawaii: effect of rain, humidity and wind. Massey DG, et al. **Ann Allergy** 1984 May;52(5):333–7

Relation between positive small air ions, weather fronts and pulmonary function in patients with bronchial asthma. Wagner CJ, et al. **Ann Allergy** 1983 Oct;51(4):430–5

A multidimensional approach to the relationship between mood and weather. Howarth E, et al. **Br J Psychol** 1984 Feb;75 (Pt 1):15–23

Cold weather and testicular torsion [letter] **Br Med J [Clin Res]** 1983 Sep 24;287(6396):912

Heavy metal content of rainwater in Geneva, New York during late 1982. Aten CF, et al. **Bull Environ Contam Toxicol** 1983 Nov;31(5):574–81

Simultaneous inhibition of carbon and nitrogen mineralization in a forest soil by simulated acid precipitation. Klein TM, et al. **Bull Environ Contam Toxicol** 1984 Jun;32(6):698–703

Uptake of 2,4–D in higher plants from artificial rain. Løkke H. **Ecotoxicol Environ Safety** 1984 Feb;8(1):1–14

Rainsplash as a mechanism for soil contamination of plant surfaces. Dreicer M, et al. **Health Phys** 1984 Jan; 46(1):177–87

Frostbite in Oxfordshire: the impact of a severe winter on an unprepared civilian population. Bishop HM, et al. **Injury** 1984 May;15(6):379–80

A search for associations between weather and the onset of human parturition. Driscoll DM, et al. **Int J Biometeorol** 1984 Jul;28(3):211–24

Weather and the incidence of urinary stone colics in the Province of Florence. Formiconi G, et al. **Int J Biometeorol** 1984 May;28(2):147–56

A note on cardiovascular diseases and physical aspects of the environment. Mukammal EI, et al. **Int J Biometeorol** 1984 Feb;28(1):17–27

Rainfall and birthweight distribution in rural Tanzania. Bantje H, et al. **J Biosoc Sci** 1984 Jul;16(3):375–84

Weather and shade effects on cow corral activities. Shultz TA. **J Dairy Sci** 1984 Apr;67(4):868–73

Acid rain: toxic metals [editorial] **Lancet** 1984 Mar 24; 1(8378):659–60

Mortality from flash floods: a review of national weather service reports, 1969–81. French J, et al. **Public Health Rep** 1983 Nov–Dec;98(6):584–8

Time variation of radon daughters concentration in snowfall. Nishikawa T, et al. **Radioisotopes** 1984 May;33(5):257–61

Polycyclic aromatic hydrocarbons in rainwater. Quaghebeur D, et al. **Sci Total Environ** 1983 Dec 15;32(1):35–54

Survival of infective larvae of nematode parasites of cattle during drought. Barger IA, et al. **Vet Parasitol** 1984 Mar; 14(2):143–52

A weather–based prediction model for the life–cycle of the sheep tick, Ixodes ricinus L. Gardiner WP, et al. **Vet Parasitol** 1983 Aug;13(1):77–84

[Subjective difficulties of rheumatic patients associated with weather changes] Svarcová J. **Fysiatr Reumatol Vestn** 1983 Oct;61(5):277–85 (Eng. Abstr.) **(Cze)**

[Research concerning the influence of certain meteorological factors on the incidence of myocardial infarct] Dimoftache C, et al. **Physiologie** 1984 Apr–Jun;21(2):93–9 **(Fre)**

[Pollen of Japanese cedar and weather conditions in Osaka] Ogino S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jan; 87(1):45–52 (Eng. Abstr.) **(Jpn)**

[Immunoglobulin levels in the blood of healthy persons under various meteorological conditions] Kasenov KU, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun; (3):57–9 **(Rus)**

WEAVER MICE see **MICE, NEUROLOGIC MUTANTS**

WEBER–CHRISTIAN DISEASE see **PANNICULITIS, NODULAR NONSUPPURATIVE**

WEBER–FECHNER LAW see **DIFFERENTIAL THRESHOLD**

WECHSLER SCALES

Developmental analysis of the effects of reward on selected Wechsler subscales. Moran JD 3d, et al. **Am J Psychol** 1984 Summer;97(2):205–14

Token reinforcement during WISC–R administration. II. Effects on mildly retarded, black students. Johnson CM, et al. **Appl Res Ment Retard** 1984;5(1):43–52

Thought disorder. The measurement of its changes. Hurt SW, et al. **Arch Gen Psychiatry** 1983 Dec;40(12):1281–5

Use of abbreviated cognitive tests in the assessment of children's special educational needs. Phillips CJ. **Br J Educ Psychol** 1984 Jun;54 (Pt 2):168–76

Interrelationships between and factor structures of the WAIS–R and WAIS in a neuropsychological battery. Ryan JJ, et al. **Int J Neurosci** 1983 Nov;21(3–4):191–6

Abbreviated WAIS forms for a stroke population. Caplan B. **J Clin Neuropsychol** 1983 Sep;5(3):239–45

Cognitive defense style and WISC–R P greater than V sign in juvenile recidivists. Bleker EG. **J Clin Psychol** 1983 Nov; 39(6):1030–2

Russell's revised Wechsler Memory Scale in the evaluation of dementia. Brinkman SD, et al. **J Clin Psychol** 1983 Nov; 39(6):989–93

The modified WAIS–R: an extension and revision. Cella DF. **J Clin Psychol** 1984 May;40(3):801–4

Wechsler performance IQ greater than Verbal IQ index in a forensic sample: a reconsideration. DeWolfe AS, et al. **J Clin Psychol** 1984 Jan;40(1):291–4

Extracting maximum validity from the WAIS. Feingold A. **J Clin Psychol** 1983 Nov;39(6):994–7

Wechsler discrepancies and the Rorschach experience balance. Gordon M, et al. **J Clin Psychol** 1983 Sep; 39(5):775–9

Factor structure of the WPPSI in mental health clinic settings. Haynes JP, et al. **J Clin Psychol** 1984 May; 40(3):805–8

Validity of two WPPSI short forms in outpatient clinic settings. Haynes JP, et al. **J Clin Psychol** 1983 Nov; 39(6):961–4

Wechsler Adult Intelligence Scale and Wechsler Adult Intelligence Scale–Revised in a neurologically impaired population. Kelly MP, et al. **J Clin Psychol** 1984 May; 40(3):788–91

The predictive utility of a significantly lower WAIS PIQ with psychiatric inpatients. Kljajić I. **J Clin Psychol** 1984 Mar;40(2):571–6

Brain syndrome and WAIS PIO VIO difference scores corrected for test artifact. Kljajić I, et al. **J Clin Psychol** 1984 Jan;40(1):271–7

Assessing the significance of differences between subtests on the Wechsler Adult Intelligence Scale–Revised. Knight RG, et al. **J Clin Psychol** 1984 May;40(3):808–10

WAIS characteristics of non–pathological obsessive and hysteric styles. McMullen LM, et al. **J Clin Psychol** 1984 Mar;40(2):577–9

The comparability of WAIS and WAIS–R IQs and subtest scores. Mishra SP, et al. **J Clin Psychol** 1983 Sep; 39(5):754–7

Neuropsychological impairment scale (NIS): initial validation study using trailmaking test (A & B) and WAIS digit symbol (scaled score) in a mixed grouping of psychiatric, neurological, and normal patients. O'Donnell WE, et al. **J Clin Psychol** 1983 Sep;39(5):746–8

Investigations into the relationship of the PPVT–R and the WISC–R with incarcerated delinquents. Rosso M, et al. **J Clin Psychol** 1984 Mar;40(2):588–91

Implications of regression analysis and correlational data between subtests of the WISC–R and the PPVT–R for a delinquent population. Rosso M, et al. **J Clin Psychol** 1984 May;40(3):811–4

Validity of the Verbal IQ as a short form of the Wechsler Adult Intelligence Scale–Revised. Ryan JJ, et al. **J Clin Psychol** 1984 Jan;40(1):306–8

WISC–R incentives and the academic achievement of conduct disordered adolescent females: a validity study. Saigh PA, et al. **J Clin Psychol** 1983 Sep;39(5):771–4

Predicting WRAT scores from the WISC–R for a selected sample of LD children and youth. Singer MG, et al. **J Clin Psychol** 1983 Sep;39(5):758–61

Discriminant function analysis of LD/BD children scores on the WISC–R. Vance HB, et al. **J Clin Psychol** 1983 Sep;39(5):749–53

Factor analysis of the WAIS–R: psychiatric and standardization samples. Atkinson L, et al. **J Consult Clin Psychol** 1984 Aug;52(4):714–6

An evaluation of the digit symbol component of the Russell, Neuringer, and Goldstein Average Impairment Rating. Bauer CA, et al. **J Consult Clin Psychol** 1984 Apr; 52(2):317–8

Unilateral lesions and the Wechsler Adult Intelligence Scale–Revised: no sex differences. Bornstein RA. **J Consult Clin Psychol** 1984 Aug;52(4):604–8

Verbal IQ–performance IQ discrepancies on the Wechsler Adult Intelligence Scale–Revised in patients with unilateral or bilateral cerebral dysfunction. Bornstein RA. **J Consult Clin Psychol** 1983 Oct;51(5):779–80

Effects of partialing out postmorbid WAIS scores in a heterogenous sample: comment on Golden et al [letter] Chelune GJ. **J Consult Clin Psychol** 1983 Dec;51(6):932–3

Frequency of discrepancies between deviation quotients on the WISC–R: a table for clinicians. Clampit MK, et al. **J Consult Clin Psychol** 1983 Oct;51(5):795–6

Review of Russell's (1975) norms for the Logical Memory and Visual Reproduction subtests of the Wechsler Memory Scale. Crosson B, et al. **J Consult Clin Psychol** 1984 Aug; 52(4):635–41

Validation of the Satz–Mogel short form for the WAIS–R with psychiatric inpatients. Dinning WD, et al. **J Consult Clin Psychol** 1983 Oct;51(5):781–2

A note on the congruence of the WISC–R and the cognitive development scales of the personality inventory for children. Dollinger SJ, et al. **J Consult Clin Psychol** 1984 Apr;52(2):315–6

Percentage of WAIS–R standardization sample obtaining Verbal–Performance discrepancies. Grossman FM. **J Consult Clin Psychol** 1983 Aug;51(4):641–2

On interpreting the several standard errors of the WAIS–R: some further tables. Knight RG. **J Consult Clin Psychol** 1983 Oct;51(5):671–3

A laterality index of cognitive impairment after hemispheric damage: a measure derived from a principal–components analysis of the Wechsler Adult Intelligence Scale. Lawson JS, et al. **J Consult Clin Psychol** 1983 Dec;51(6):832–40

A laterality index of cognitive impairment derived from a principal–components analysis of the WAIS–R. Lawson JS, et al. **J Consult Clin Psychol** 1983 Dec;51(6):841–7

Investigation of validity of WAIS–R short forms for patients suspected to have brain impairment. Roth DL, et al. **J Consult Clin Psychol** 1984 Aug;52(4):722–3

Generalization of the WAIS–R factor structure with a vocational rehabilitation sample. Ryan JJ, et al. **J Consult Clin Psychol** 1984 Apr;52(2):311–2

The relationship between the performance greater than verbal (P greater than V) sign and violent behavior in a sample of mentally retarded subjects. Roszkowski MJ. **J Genet Psychol** 1983 Dec;143(2d Half):279–80

The WAIS and Rorschach test in diagnosing borderline personality. Hymowitz P, et al. **J Pers Assess** 1983 Dec; 47(6):588–96

On substituting the WAIS–R for the WAIS in neuropsychological assessment: a caution for clinicians. Ryan JJ, et al. **J Psychol** 1983 Sep;115(1st Half):131–4

Lateralized interference in finger tapping: assessment of block design activities. Kee DW, et al. **Neuropsychologia** 1984; 22(2):197–203

Can neuropsychological tests detect the sites of cerebrovascular stenoses and occlusions? Baird AD, et al. **Neurosurgery** 1984 Apr;14(4):416–23

Concurrent validity of WISC–R factor scores for educable mentally handicapped children. Grossman FM, et al. **Percept Mot Skills** 1984 Feb;58(1):227–30

Analysis of WISC–R coding performance of normal and dyslexic readers. Whitehouse CC. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):951–60

The Wechsler subtests in mild organic brain damage associated with folate deficiency. Botez MI, et al. **Psychol Med** 1984 May;14(2):431–7

Quick Test and Wechsler Adult Intelligence Scale—revised in a prison's clinical setting. De Cato CM, et al. **Psychol Rep** 1984 Jun;54(3):939–42

Comparison of the WAIS and WAIS–R at different ages in a clinical population. Rogers DL, et al. **Psychol Rep** 1984 Jun;54(3):951–6

[Probable effect of cerebral irradiation on intellectual efficiency] Maire JP, et al. **Bull Cancer (Paris)** 1983; 70(4):275–83 (Eng. Abstr.) **(Fre)**

STANDARDS

Equivalence of alternate subtests for the Russell Revision of the Wechsler Memory Scale. Keesler TY, et al. **J Clin Neuropsychol** 1984 May;6(2):215–9

Limitations in equivalence of alternate subtests for Russell's Revision of the Wechsler Memory Scale: causes and solutions. Schultz EE Jr, et al. **J Clin Neuropsychol** 1984 May;6(2):220–3

WEDENSKY INHIBITION see under **NEURAL CONDUCTION**

WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

WEGENER'S GRANULOMATOSIS

[A patient with cavernous lung foci, arthralgias and eye symptoms] Allgayer H, et al. **Internist (Berlin)** 1983 Nov; 24(11):652–4 **(Ger)**

BLOOD

Objective monitoring of activity in Wegener's granulomatosis by measurement of serum C–reactive protein concentration. Hind CR, et al. **Clin Nephrol** 1984 Jun;21(6):341–5

COMPLICATIONS

Evolving polycythemia vera and Wegener's granulomatosis [letter] Cabanillas–Arias A, et al. **Ann Intern Med** 1984 Sep;101(3):399

Wegener's granulomatosis and gangrene in the feet [letter] Phillips RW, et al. **Ann Intern Med** 1983 Oct;99(4):571

Wegener's granulomatosis complicated by diabetes insipidus. Hurst NP, et al. **Ann Rheum Dis** 1983 Oct;42(5):600–1

Wegener's granulomatosis: first report of a case with onset

during pregnancy. Talbot SF, et al. **Arthritis Rheum** 1984 Jan;27(1):109–12
Spinal cord involvement in Wegener's granulomatosis [letter] Martens J. **Clin Rheumatol** 1982 Sep;1(3):221
Wegener's granulomatosis in childhood: cutaneous manifestations as the presenting sigus. Chyu JY, et al. **J Am Acad Dermatol** 1984 Feb;10(2 Pt 2):341–6
Extraocular muscle involvement in Wegener's granulomatosis. Pinchoff BS, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):163–8
Retinal hemorrhages as a disease parameter in Wegener's granulomatosis. Monahan DW, et al. **J Natl Med Assoc** 1984 May;76(5):518, 523–5, 528
Endobronchial involvement in Wegener's granulomatosis. Amin R. **Postgrad Med J** 1983 Jul;59(693):452–4
Wegener's granulomatosis: observations on 18 patients with severe renal disease. Pinching AJ, et al. **Q J Med** 1983 Autumn;52(208):435–60
Granulomatous glomerulonephritis in Wegener's granulomatosis. Yoshikawa Y, et al. **Virchows Arch [A]** 1984;402(4):361–72
[A 56–year–old woman with a congested nose and anuria (clinical conference)] van der Woude FJ. **Ned Tijdschr Geneeskd** 1983 Nov 26;127(48):2198–203 **(Dut)**
[Serous otitis and necrotizing angiitis] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(5):401–5 (Eng. Abstr.) **(Fre)**
[A 60–year–old patient with sialadenitis, pulmonary round foci and vulvar ulcer] Bachmayer K, et al. **Wien Klin Wochenschr** 1984 Apr 13;96(8):289–94 (Eng. Abstr.) **(Ger)**
[A case of Wegener's granulomatosis with marked subglottic tracheal stenosis] Shiraki R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Oct; 21(10):1007–10 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Pathologic quiz case 2. Wegener's granulomatosis. Medved PM, et al. **Arch Otolaryngol** 1984 May;110(5):342–3, 345
Wegener's granuloma localized in the larynx. Report of a case. Kurita S, et al. **Auris Nasus Larynx** 1983;10 Suppl:S97–104
An unusual presentation of Wegener's granulomatosis mimicking inflammatory bowel disease. Sokol RJ, et al. **Gastroenterology** 1984 Aug;87(2):426–32
Sinusitis, conjunctivitis, and persistent malaise. Spahlinger D. **Hosp Pract [Off]** 1984 Feb;19(2):52A, 52G, 52M passim
[Atypical form of Wegener's granulomatosis simulating rhizomelic pseudopolyarthritis] Hardouin P, et al. **LARC Med** 1984 Apr;4(4):257, 259 **(Fre)**
[Pulmo–renal syndrome. An unusual course of Wegener disease] Klooker P, et al. **MMW** 1983 Oct 7;125(40):879–80 **(Ger)**
[Wegener's granulomatosis] Batko B. **Wiad Lek** 1983 Apr 15;36(8):679–82 (Eng. Abstr.) **(Pol)**
[Variants in the course of Wegener's granulomatosis] Domnikov AD, et al. **Revmatologiia (Moskva)** 1983 Oct–Dec;(4):29–34 (Eng. Abstr.) **(Rus)**
[Current status of the problem of Wegener's granulomatosis] Daniak LB, et al. **Vestn Otorinolaringol** 1984 Mar–Apr; (2):45–52 (46 ref.) (Eng. Abstr.) **(Rus)**
[Wegener's granulomatosis] Ochodnický M, et al. **Vnitr Lek** 1983 Dec;29(12):1210–4 (Eng. Abstr.) **(Slo)**
[A 76–year–old male with fever, cough and dyspnea (clinical conference)] Picado C, et al. **Med Clin (Barc)** 1984 Apr 21;82(15):682–9 **(Spa)**

DRUG THERAPY

Diffuse histiocytic lymphoma in a patient treated with cyclophosphamide for Wegener's granulomatosis. Ambrus JL Jr, et al. **Am J Med** 1984 Apr;76(4):745–7
Cytotoxic therapy for Wegener's granulomatosis [letter] Morton CE, et al. **Lancet** 1984 Jun 23;1(8391):1411
[Treatment of Wegener's granulomatosis with immunosuppressive agents] Semenkova EN. **Ter Arkh** 1983; 55(7):111–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Recurrence of Wegener's granulomatosis in a cadaver renal allograft. Curtis JJ, et al. **Transplantation** 1983 Oct; 36(4):452–4

IMMUNOLOGY

SSA (Ro)–antibodies in Wegener's granulomatosis. Andrassy K, et al. **Klin Wochenschr** 1983 Sep 1;61(17):873–5

PATHOLOGY

Wegener's granulomatosis in a child. Hansen LP, et al. **Eur J Respir Dis** 1983 Nov;64(8):620–4
Pulmonary angiitis and granulomatosis revisited. Churg A. **Hum Pathol** 1983 Oct;14(10):868–83 (53 ref.)
Necrotizing vasculitis (angiitis) with granulomatosis. Chanda JJ, et al. **Int J Dermatol** 1984 Mar;23(2):101–7
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 16–1984. A 37–year–old schizophrenic man with a right–upper–lobe mass. **N Engl J Med** 1984 Apr 19;310(16):1037–47
Bioptic diagnosis of Wegener's granulomatosis in the absence of vasculitis and granulomas. Shah IA, et al. **Pathol Res Pract** 1984 Mar;178(4):407–15
[Localized pulmonary pseudo–tumoral form of Wegener's disease and fulminating evolution. Apropos of a case] Gindre D, et al. **Poumon Coeur** 1983;39(4):189–95 (Eng. Abstr.) **(Fre)**
[Wegener's granulomatosis] Esca SA, et al. **Hautarzt** 1984 Jul;35(7):379–82 (Eng. Abstr.) **(Ger)**
[Wegener's granulomatosis] Krüger R, et al. **Hautarzt** 1984 Jan;35(1):39–44 (Eng. Abstr.) **(Ger)**
[Ophthalmopathology of Wegener granulomatosis] Vrabec F, et al. **Klin Monatsbl Augenheilkd** 1983 Oct;183(4):282–4 (Eng. Abstr.) **(Ger)**
[Clinico–pathologic conference. Wegener granulomatosis. A type limited to the lung, with fulminating course] Heitz M, et al. **Praxis** 1983 Oct 25;72(43):1361–6 (Eng. Abstr.) **(Ger)**
[Clinical investigation of tracheobronchial lesions in Wegener's granulomatosis] Hashimoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jan;22(1):32–8 (Eng. Abstr.) **(Jpn)**
[Case of Wegener's granulomatosis] Tkachuk VI, et al. **Arkh Patol** 1984;46(3):70–2 (Eng. Abstr.) **(Rus)**
[Wegener's granulomatosis with predominant lesions of the lung] Tkachuk VI, et al. **Probl Tuberk** 1983 Dec;(12):59–61 **(Rus)**
[Wegener's granulomatosis with generalized necrosis of the facial soft tissues and mandible] Karpel' GG, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):55–6 (Eng. Abstr.) **(Rus)**
[Wegener's granulomatosis] Dobrin Blu, et al. **Vrach Delo** 1984 Feb;(2):28–30 **(Rus)**
[Sudden death in a patient with Wegener's granulomatosis (clinical conference)] **Medicina (B Aires)** 1983;43(2):207–16 **(Spa)**

PHYSIOPATHOLOGY

Endolymphatic sac: possible role in autoimmune sensorineural hearing loss. Leone CA, et al. **Ann Otol Rhinol Laryngol** 1984 May–Jun;93(3 Pt 1):208–9

RADIOGRAPHY

Chest radiograph in lymphomatoid granulomatosis: comparison with Wegener granulomatosis. Wechsler RJ, et al. **AJR** 1984 Jan;142(1):79–83
Tracheal and bronchial stenosis associated with mediastinal adenopathy in Wegener granulomatosis: CT findings. Cohen MI, et al. **J Comput Assist Tomogr** 1984 Apr; 8(2):327–9
Wegener's granulomatosis in childhood. Review of the literature and case report. Neumann G, et al. **Pediatr Radiol** 1984;14(5):267–71 (37 ref.)
[Pulmonary X–ray manifestations of necrotizing granulomatosis] Zhu DQ. **Chung Hua Fang She Hsueh Tsa Chih** 1983 Nov; 17(4):249–52 (Eng. Abstr.) **(Chi)**
[A 17–year–old female patient with progressive lung shadows] Steinbeck G, et al. **Internist (Berlin)** 1983 Aug; 24(8):474–8 **(Ger)**
[Demonstration of Wegener's granulomatosis in the mammogram] Deininger HK. **ROFO** 1984 Aug; 141(2):198–203 (Eng. Abstr.) **(Ger)**

THERAPY

Renal failure in Wegener's granulomatosis: recovering following dialysis and cyclophosphamide–prednisone therapy. Dahlberg PJ, et al. **Am J Med Sci** 1984 Jan–Feb; 287(1):47–50
Wegener's granulomatosis [editorial] **Lancet** 1984 Feb 4; 1(8371):260–1
Treatment of Wegener's granulomatosis [letter] Winearls CG, et al. **Lancet** 1984 Mar 17;1(8377):634–5
[Treatment of Wegener's granulomatosis using plasmapheresis] Nenov D, et al. **Vutr Boles** 1983; 22(6):58–61 (Eng. Abstr.) **(Bul)**

WEIGHT GAIN see **BODY WEIGHT**

WEIGHT LIFTING see under **SPORTS**

WEIGHT LOSS see **BODY WEIGHT**

WEIGHT PERCEPTION

Weight of evidence supports one operation for 'ratios' and 'differences' of heaviness. Mellers BA, et al. **J Exp Psychol [Hum Percept]** 1984 Apr;10(2):216–30
Sensitivity to proprioceptive feedback in obese subjects. Gardner RM, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 2):1111–8

PHYSIOLOGY

Mass discrimination during prolonged weightlessness. Ross H, et al. **Science** 1984 Jul 13;225(4658):219–21

WEIGHTLESSNESS

Effect of weightlessness on the function of rat skeletal muscles on the biosatellite 'Cosmos–1129'. Rapcsák M, et al. **Acta Physiol Hung** 1983;62(3–4):225–8
Effect of weightlessness on myofibrillar proteins of rat skeletal muscles with different functions in experiment of biosatellite 'Cosmos–1129'. Takács O, et al. **Acta Physiol Hung** 1983;62(3–4):229–33
Quantitation of tissue loss during prolonged space flight. Leonard JI, et al. **Am J Clin Nutr** 1983 Nov;38(5):667–79
Spacelab mission 4—the first dedicated life sciences mission. Perry TW, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1123–8
An expandable surgical chamber for use in conditions of weightlessness. Rock JA. **Aviat Space Environ Med** 1984 May;55(5):403–4
Effects of simulated weightlessness on bone mineral metabolism. Globus RK, et al. **Endocrinology** 1984 Jun; 114(6):2264–70
Vestibular function in microgravity [editorial] **Lancet** 1984 Sep 8;2(8402):561
Cardiovascular adaptation to weightlessness. Blomqvist CG. **Med Sci Sports Exerc** 1983;15(5):428–31
Preface to weightlessness and the 1980s. Tipton CM. **Med Sci Sports Exerc** 1983;15(5):408–9
Cardiovascular deconditioning of space flight. Levy MN, et al. **Physiologist** 1983 Oct;26(5):297–303
Cell sensitivity to gravity. Cogoli A, et al. **Science** 1984 Jul 13;225(4658):228–30
Venous pressure in man during weightlessness. Kirsch KA, et al. **Science** 1984 Jul 13;225(4658):218–9
Eye movements during sleep in weightlessness. Quadens O, et al. **Science** 1984 Jul 13;225(4658):221–2
Vestibulospinal reflexes as a function of microgravity. Reschke MF, et al. **Science** 1984 Jul 13;225(4658):212–4
Mass discrimination during prolonged weightlessness. Ross H, et al. **Science** 1984 Jul 13;225(4658):219–21
Prolonged weightlessness and humoral immunity. Voss EW Jr. **Science** 1984 Jul 13;225(4658):214–5
Spatial orientation in weightlessness and readaptation to earth's gravity. Young LR, et al. **Science** 1984 Jul 13; 225(4658):205–8
[Fluid displacement in a model of the semicircular canals exposed to the action of angular acceleration under weightlessness] Solodovnik FA, et al. **Izv Akad Nauk SSSR [Biol]** 1983 Sep–Oct;(5):759–62 (Eng. Abstr.) **(Rus)**
[Changes in several indicators of blood rheology in experiments simulating weightlessness] Ivanov AP, et al. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):25–30 (Eng. Abstr.) **(Rus)**
[Ultrasonic studies and calcium content of the bones in experimental animals during limited mobility and weightlessness] Saulgozis IuZh, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun;18(3):48–52 (Eng. Abstr.) **(Rus)**
[Effect of blood redistribution on illusional sensations of spatial position in weightlessness] Solodovnik FA, et al. **Kosm Biol Aviakosm Med** 1983 Sep–Oct;17(5):40–3 (Eng. Abstr.) **(Rus)**
[Results and perspectives of physiological studies on space flights] Gazenko OG. **Vestn Akad Med Nauk SSSR** 1984; (4):7–12 (Eng. Abstr.) **(Rus)**
[Intracardiac hemodynamics and the activity of the human heart in simulated weightlessness] Shul'zhenko EB, et al. **Vestn Akad Med Nauk SSSR** 1984;(4):32–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effect of weightlessness on the function of rat skeletal muscles on the biosatellite 'Cosmos–1129'. Rapcsák M, et al. **Acta Physiol Hung** 1983;62(3–4):225–8
Cardiovascular examinations and observations of deconditioning during the space shuttle orbital flight test program. Bungo MW, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1001–4
Rat hindlimb muscle responses to suspension hypokinesia/hypodynamia. Musacchia XJ, et al. **Aviat Space Environ Med** 1983 Nov;54(11):1015–20
Simulating certain aspects of hypogravity: effects on bone maturation in the non–weight bearing skeleton. Simmons DJ, et al. **Aviat Space Environ Med** 1983 Dec;54(12 Pt 1):1080–4
A suspension model for hypokinetic/hypodynamic and antiorthostatic responses in the mouse. Steffen JM, et al. **Aviat Space Environ Med** 1984 Jul;55(7):612–6
Disuse osteoporosis: physiological aspects. Whedon GD. **Calcif Tissue Int** 1984;36 Suppl 1:S146–50
Effects of disuse on the structure and function of skeletal muscle. Booth FW, et al. **Med Sci Sports Exerc** 1983; 15(5):415–20
Fluid shifts in vascular and extravascular spaces during and after simulated weightlessness. Hargens AR. **Med Sci Sports Exerc** 1983;15(5):421–7
Considerations for exercise prescriptions in future space flights. Tipton CM. **Med Sci Sports Exerc** 1983;15(5):441–4
Alterations in calcium homeostasis and bone during actual and simulated space flight. Wronski TJ, et al. **Med Sci Sports Exerc** 1983;15(5):410–4
Recovery of the rat skeleton from the adverse effects of simulated weightlessness. Wronski TJ, et al. **Metab Bone Dis Relat Res** 1983;4(6):347–52
[Muscle tonus changes in persons of various age groups in weightlessness modeling] Kozlova VG, et al. **Kosm Biol Aviakosm Med** 1984 Jan–Feb;18(1):90–2 **(Rus)**
[Mechanisms of osteodystrophy in weightlessness] Volozhin AI. **Patol Fiziol Eksp Ter** 1984 Jan–Feb;(1):19–27 **(Rus)**

WEIGHTS AND MEASURES

Symbols and units for blood gases [letter] Lehmann HP. **Am J Clin Pathol** 1984 Mar;81(3):412–4

Quantities and SI units for dose rate calculations from radionuclide sources [letter] Aird EG, et al. **Br J Radiol** 1983 Dec;56(672):978

CSII: Scale units to insulin units [letter] Wilson DP, et al. **Diabetes Care** 1983 Nov–Dec;6(6):621

A proposed unit for patient radiation exposure from diagnostic X-rays [letter] Cameron JR. **Health Phys** 1971 Dec;21(6):879–80

Single-position calibration of the respiratory inductance plethysmograph. Loveridge B, et al. **J Appl Physiol** 1983 Sep;55(3):1031–4

Dynamic water vapor and temperature calibration system. Montague FW Jr, et al. **J Appl Physiol** 1984 Jun; 56(6):1675–8

SI quantities and units for American Medicine. Powsner ER. **JAMA** 1984 Oct 5;252(13):1737–41

SI units and radionuclides: teaching problems. Aird EG, et al. **Radiography** 1984 Jul–Aug;50(592):174–6

[Rating scale and other measurement scales] Forrest M, et al. **Nord Med** 1984;99(6–7):181–3, 190 **(Dan)**

[Automatic design of a linear or logarithmic scale. Application to plotting of conversion scales] Aeschlimann JM, et al. **Int J Biomed Comput** 1983 Jul;14(4):333–44 (Eng. Abstr.) **(Fre)**

[Critical study of the new measuring scale for work accidents (news)] Melennec L. **Presse Med** 1983 Oct 22; 12(37):2291–2, 2294 **(Fre)**

[Hardness of water in the International System of Units] Thielemann H, et al. **Z Gesamte Hyg** 1983 Jul;29(7):415–6 (Eng. Abstr.) **(Ger)**

['SI' unit for the measurement of radiation dosage] Kawashima K. **Rinsho Hoshasen** 1984 Feb;29(2):343 **(Jpn)**

[Phagocytosis indices in the International System of Units] Lazorik MI. **Lab Delo** 1984;(3):165–7 (Eng. Abstr.) **(Rus)**

HISTORY

When did you last see your röntgen?—The SI units and their use. Jennings WA. **Phys Med Biol** 1984 Feb;29(2):131–7

STANDARDS

Update: international standards 1983. Ophthalmic urgencies for 'one world' [editorial] Keeney AH. **Arch Ophthalmol** 1983 Nov;101(11):1685

Effect of calibration material lot changes on results for the 'SMAC'. Robertson EA, et al. **Clin Chem** 1984 Aug; 30(8):1402–5

[The International System of Units] Gay R. **Ann Fr Anesth Reanim** 1983;2(1):X–XIII **(Fre)**

[The International System of Units] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1983 Dec;(12):4–9 (Eng. Abstr.) **(Rus)**

WEIL'S DISEASE

BLOOD

[Characteristics of the pathogenesis of the hemorrhagic syndrome in viral hepatitis and the icteric form of leptospirosis] Shuvalova EP, et al. **Klin Med (Mosk)** 1984 May;62(5):93–6 **(Rus)**

COMPLICATIONS

[Pathomorphology of toxico-infectious shock in influenza and leptospirosis] Frolov AF, et al. **Arkh Patol** 1983; 45(12):44–51 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Cotton-wool spots as a sign in leptospirosis (Weil's disease). Gutman I, et al. **Ophthalmologica** 1983;187(3):133–6

[Clinico-epidemiological aspects of leptospiral jaundice in Khabarovsk Territory] Lev MI, et al. **Voen Med Zh** 1984 Jul;(7):36–7 **(Rus)**

DRUG THERAPY

[Therapy of ictero-hemorrhagic leptospirosis] Fanelli V. **Clin Ter** 1984 Feb 29;108(4):345–9 **(Ita)**

ETIOLOGY

Leptospirosis—an occupational disease of soldiers. Johnston JH, et al. **J R Army Med Corps** 1983 Jun;129(2):111–4

IMMUNOLOGY

Exposure to Leptospira icterohaemorrhagiae in inner-city and suburban children: a serologic comparison. Demers RY, et al. **J Fam Pract** 1983 Dec;17(6):1007–11

MICROBIOLOGY

Attempts for determining the infecting serogroup by means of agglutinin absorption from the leptospirosis patients' sera. Nicolescu M, et al. **Arch Roum Pathol Exp Microbiol** 1983 Oct–Dec; 42(4):249–54

Characterization of monoclonal antibodies against etiological agents of Weil's disease. Kobayashi Y, et al. **Microbiol Immunol** 1984;28(3):359–70

[Identification of Leptospira responsible for Weil's disease by monoclonal antibody] Kobayashi Y, et al. **Kansenshogaku Zasshi** 1983 Oct;57(10):846–52 (Eng. Abstr.) **(Jpn)**

[Characterization of monoclonal antibodies against Leptospira causing Weil's disease] Tamai T. **Kansenshogaku Zasshi** 1983 May;57(5):394–404 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Leptospirosis in Israel: a report of 14 cases caused by icterohaemorrhagiae serogroup (1968–82). Lindenbaum I, et al. **Isr J Med Sci** 1984 Feb;20(2):123–9

TRANSMISSION

Leptospirosis in cattle and man [letter] **Br Med J [Clin Res]** 1984 Aug 11;289(6441):380–1

VETERINARY

The long term efficacy of a hardjo-pomona vaccine in preventing leptospiruria in cattle exposed to natural challenge with Leptospira interrogans serovar hardjo. Hancock GA, et al. **Aust Vet J** 1984 Feb;61(2):54–6

Bovine abortion associated with Leptospira interrogans serovar hardjo infection. Slee KJ, et al. **Aust Vet J** 1983 Jul;60(7):204–6

Serologic studies on brucellosis, leptospirosis and tularemia in moose (Alces alces) in Quebec. Bourque M, et al. **J Wildl Dis** 1984 Apr;20(2):95–9

Leptospira interrogans serovar hardjo infection in cows of Hokkaido, Japan—serological evidence. Tsuchimoto M, et al. **Nippon Juigaku Zasshi** 1983 Dec;45(6):811–4

Some population parameters of Leptospira interrogans serovar hardjo infection in sheep. Hathaway SC, et al. **Vet Rec** 1984 Apr 28;114(17):428–9

Leptospira interrogans serovar hardjo in pigs: a new host-parasite relationship in the United Kingdom. Hathaway SC, et al. **Vet Rec** 1983 Aug 13;113(7):153–4

The immunoglobulin response of swine following experimental infection with Leptospira interrogans serovar pomona. Ballard SA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Apr; 256(4):510–7

WELDING

Retention and clearance of stainless steel shieldgas welding fumes in rat lungs. Kalliomäki PL, et al. **Am Ind Hyg Assoc J** 1983 Sep;44(9):649–54

Optical radiation hazards of laser welding processes. Part 1: Neodymium-YAG lasers. Rockwell RJ, et al. **Am Ind Hyg Assoc J** 1983 Aug;44(8):572–9

Blood- and air-lead concentrations during five years of occupational exposure: the effectiveness of an occupational hygiene programme and problems due to welding operations. Døssing M, et al. **Ann Occup Hyg** 1983; 27(4):367–72

Follow-up study on the lung retention of welding fumes among shipyard welders. Kalliomäki PL, et al. **Ann Occup Hyg** 1983;27(4):449–52

Pneumoconiotic effects of welding-fume particles from mild and stainless steel deposited in the lung of the rat. Hicks R, et al. **Arch Toxicol** 1984 Mar;55(1):1–10

Urinary fluoride concentration as an estimator of welding fume exposure from basic electrodes. Sjörgren B, et al. **Br J Ind Med** 1984 May;41(2):192–6

Pterygium in welders. Karai I, et al. **Br J Ophthalmol** 1984 May;68(5):347–9

Morphological change in the corneal endothelium due to ultraviolet radiation in welders. Karai I, et al. **Br J Ophthalmol** 1984 Aug;68(8):544–8

Contact Lens Association of Ophthalmologists, Inc.: Policy statement on arc welding and contact lens wear. Adopted July 23, 1983 by the CLAO Board of Directors, Toronto, Canada. **CLAO J** 1983 Oct–Dec;9(4):343

Biological effects of inhaled welding fumes from flux-coated electrodes (OK 46.00). Al-Shamma KJ, et al. **Dev Toxicol Environ Sci** 1983;11:487–90

In vitro RPM fibrogenic potential assay of welding fumes. Stern RM, et al. **Environ Health Perspect** 1983 Sep;51:231–6

In vitro assessment of equivalence of occupational health risk: welders. Stern RM. **Environ Health Perspect** 1983 Sep; 51:217–22

Response of bovine alveolar macrophages in vitro to welding fume particles. White LR, et al. **Environ Health Perspect** 1983 Sep;51:211–5

Welding and cancer of the larynx: a case-control study. Olsen J, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):639–43

Kidney function in stainless steel welders. Littorin M, et al. **Int Arch Occup Environ Health** 1984;53(3):279–82

Evaluation of biological monitoring among stainless steel welders. Rahkonen E, et al. **Int Arch Occup Environ Health** 1983;52(3):243–55

An investigation of fibrogenic and other toxic effects of arc-welding fume particles deposited in the rat lung. Hicks R, et al. **J Appl Toxicol** 1983 Dec;3(6):297–306

The health of welders in naval dockyards. The risk of asbestos-related diseases occurring in welders. McMillan GH. **J Occup Med** 1983 Oct;25(10):727–30

The health of welders in naval dockyards: final summary report. McMillan GH. **J R Nav Med Serv** 1983 Winter; 69(3):125–31

A clinical, radiological and pulmonary function case-control study of 135 Dockyard welders aged 45 years and over. McMillan GH, et al. **J Soc Occup Med** 1984 Feb;34(1):3–23

Eye protections for welders need right lens shade, hardness. Newcomb BC. **Occup Health Saf** 1984 Feb;:34, 36

Comparison of the behavior of stainless and mild steel manual metal arc welding fumes in rat lung. Kalliomäki PL, et al. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):176–80

Elimination of chromium in urine after stainless steel welding. Welinder H, et al. **Scand J Work Environ Health** 1983 Oct; 9(5):397–403

Respiratory symptoms and pulmonary function of welders in the engineering industry. Hayden SP, et al. **Thorax** 1984 Jun;39(6):442–7

Inhalation toxicity study of welding fumes: effect of single or repeated exposure on the lungs of rats. Uemitsu N, et al. **Toxicology** 1984 Feb 14;30(1):75–92

[Biologic effects of pollutants found in welding fumes. Effects of a mixture of O3, NO2, and Co with MnO2 particles on the mouse lung] Sylvestre D, et al. **Union Med Can** 1984 Jan;113(1):9–10, 12–5 (Eng. Abstr.) **(Fre)**

[Electric welder's lung] Stanulla H, et al. **Prax Klin Pneumol** 1984 Jan;38(1):14–8 (Eng. Abstr.) **(Ger)**

[Burns of the ear from welding waste products] Zimmer W. **Z Arztl Fortbild (Jena)** 1983;77(21):897 **(Ger)**

[Epidemiological studies on the occurrence of lung diseases in welders] Schneider WD. **Z Erkr Atmungsorgane** 1983; 161(3):279–82 (Eng. Abstr.) **(Ger)**

[Occupational asthma in welders caused by colophony] Orosz M, et al. **Orv Hetil** 1984 Jun 3;125(23):1395–7 (Eng. Abstr.) **(Hun)**

[Risk in welding operations. Etiopathogenetic, preventive and legislative considerations] Coscia GC, et al. **G Ital Med Lav** 1983 Jan;5(1):31–9 (Eng. Abstr.) **(Ita)**

[Contact lenses and specific occupational activities] Chiappino G, et al. **Med Lav** 1983 Jul–Aug;74(4):257–9 (Eng. Abstr.) **(Ita)**

[Occupational exposure to radiofrequency electromagnetic fields in metal, wood and plastic workshops in 16 plants] Terrana T, et al. **Med Lav** 1983 Sep–Oct;74(5):394–403 (Eng. Abstr.) **(Ita)**

[Epidemiological study on the effect of ultraviolet radiation on corneal endothelium in welders] Karai I, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jun;88(6):948–53 (Eng. Abstr.) **(Jpn)**

[State of the eyes in welders of Division M-5, Brown Coal Mine in Belchatow] Goś R, et al. **Med Pr** 1984;35(2):133–6 (Eng. Abstr.) **(Pol)**

[Threshold sensitivity of the analyzers in adult electric-arc and gas welders and in vocational and technical school students with various degrees of job mastery] Kispaev TA. **Gig Sanit** 1983 Aug;(8):23–5 (10 ref.) (Eng. Abstr.) **(Rus)**

[Psychophysiological functions of vocational and technical school students and of adult electric gas welders with various degrees of job skills] Kispaev TA. **Gig Sanit** 1983 Nov;(11):33–5 (Eng. Abstr.) **(Rus)**

[Solubility study of the solid component of welding aerosols] Voltkevich VG, et al. **Gig Sanit** 1984 Feb;(2):72–4 **(Rus)**

[Physiological and hygienic evaluation of work clothes made of various fabrics and materials] Artem'ev VN, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):36–9 (Eng. Abstr.) **(Rus)**

[Data on the comparative toxicity of aerosols formed during the welding of low- and high-alloy steel] Gorban' LN, et al. **Gig Tr Prof Zabol** 1984 May;(5):16–9 (Eng. Abstr.) **(Rus)**

[Working conditions for workers engaged in welding] Zhuk NI, et al. **Gig Tr Prof Zabol** 1983 Dec;(12):44–5 **(Rus)**

[Use of breathing and overall fitness exercises among workers in the arc welding industry] Bil'kevich AL. **Vrach Delo** 1983 Oct;(10):85–6 (6 ref.) (Eng. Abstr.) **(Rus)**

[Features of pathologic processes developing in non-ferrous metal welders] Krasniuk BP, et al. **Vrach Delo** 1984 May; (5):109–12 (Eng. Abstr.) **(Rus)**

[Increase in the transforming activity of adenovirus SA7 by metal aerosols in cultures of sensitive cells] Potebnia GP, et al. **Vrach Delo** 1984 Jan;(1):112–4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Laser-welded vs soldered nonprecious alloy dental bridges: a comparative study. Apotheker H, et al. **Lasers Surg Med** 1984;4(2):207–13

METHODS

Some difficulties in the assessment of electric arc welding fume. Hewitt PJ, et al. **Am Ind Hyg Assoc J** 1983 Oct; 44(10):727–32

Comparison of the retention and clearance of different welding fumes in rat lungs. Kalliomäki PL, et al. **Am Ind Hyg Assoc J** 1983 Oct;44(10):733–8

[Computer diagnosis of occupational diseases in electric welders] Deinega GE, et al. **Gig Tr Prof Zabol** 1983 Dec; (12):12–5 (Eng. Abstr.) **(Rus)**

WELL CHILD CONFERENCE see CHILD HEALTH SERVICES

WELLNESS PROGRAMS see HEALTH PROMOTION

WERLHOF'S DISEASE see PURPURA, THROMBOPENIC

WERMER SYNDROME see NEOPLASMS, MULTIPLE ENDOCRINE

WERNER'S SYNDROME

COMPLICATIONS

Improvement of hyperinsulinemic diabetes following removal of a meningioma in Werner's syndrome. A case report. Montecucco C, et al. **Acta Diabetol Lat** 1984 Apr–Jun; 21(2):193–7

Acral lentiginous melanoma and lentigo maligna occurring in Werner's syndrome. Barnett JH, et al. **Cutis** 1983 Sep; 32(3):277–9, 283

FAMILIAL & GENETIC

Werner's syndrome: proliferation in vitro of clones of cells bearing chromosome translocations. Schonberg S, et al. **Am J Hum Genet** 1984 Mar;36(2):387–97

Cytogenetic investigations on Werner's syndrome, Acrogeria and Keratosis Palmo–Plantaris. Elli R, et al. **J Genet Hum** 1983 Sep;31(3):211–21

[Werner's syndrome] Tonami H, et al. **Rinsho Hoshasen** 1983 Nov;28(12):1479–85 (Eng. Abstr.) **(Jpn)**

METABOLISM

Modifications of fibronectin in age–related diseases: diabetes and cancer. Labat–Robert J, et al. **Arch Gerontol Geriatr** 1984 May;3(1):1–10

[Clinical and histological studies of 6 cases of Werner's syndrome, especially characterization of dermal fibroblasts and glycosaminoglycans in the cultured medium] Mackawa Y, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):29–37 **(Jpn)**

PATHOLOGY

Werner's syndrome. Light and electron microscopic study of scleroderma–like changes. Stevanović DV. **Dermatol Monatsschr** 1984;170(4):249–55

[Werner's syndrome: case report and study of cultured fibroblasts] Shindo Y, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jan;94(1):21–8 **(Jpn)**

[Werner's syndrome. Presentation of a new case] Betteta L, et al. **Rev Clin Esp** 1983 Dec 15;171(5):365–8 **(Spa)**

WERNICKE AREA see TEMPORAL LOBE

WERNICKE'S ENCEPHALOPATHY

BLOOD

Serum zinc, magnesium and calcium status in the Wernicke–Korsakoff syndrome. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Dec;12(4):403–5

CHEMICALLY INDUCED

Acute Wernicke's encephalopathy after intravenous infusion of high–dose nitroglycerin. Shorey J, et al. **Ann Intern Med** 1984 Oct;101(4):500

[Case of probable Wernicke's encephalopathy following administration of a massive dosage of furosemide] Ono Y, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):791–5 **(Jpn)**

COMPLICATIONS

[Paralysis of vertical gaze as a sequela of Wernicke's encephalopathy] Morel–Maroger A. **Rev Neurol (Paris)** 1983;139(10):593–4 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Hypothermia and infection in Wernicke's encephalopathy. Hansen B, et al. **Acta Med Scand** 1984;215(2):185–7

Wernicke–Korsakoff syndrome. Perkin GD, et al. **Br J Hosp Med** 1983 Nov;30(5):331, 333–4 (29 ref.)

[The Wernicke–Korsakoff syndrome. Is the disease underdiagnosed?] Gade A. **Ugeskr Laeger** 1983 Dec 12; 145(50):3889–93 (Eng. Abstr.) **(Dan)**

[Wernicke's encephalopathy. Clinical and catamnestic observations in a series of 10 cases] Defanti CA, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):269–79 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Wernicke's encephalopathy after gastric partitioning for morbid obesity. Fawcett S, et al. **Can J Surg** 1984 Mar; 27(2):169–70

Wernicke–Korsakoff syndrome after subtotal gastrectomy. Ferla S, et al. **Ital J Neurol Sci** 1983 Jun;4(2):225–7

[Neurologic complications of parenteral nutrition] Luda E, et al. **Riv Neurobiol** 1983 Apr–Sep;29(2–3):245–8 (Eng. Abstr.) **(Ita)**

[Wernicke's encephalopathy: a complication of parenteral nutrition] Bárcena Llona J, et al. **Med Clin (Barc)** 1983 Nov 26;81(17):766–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Neuropathology of Wernicke's encephalopathy and experimental thiamine deficiency] Miyoshi K, et al. **Rinsho Shinkeigaku** 1983 Dec;23(12):1107–9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Wernicke–Korsakoff syndrome [letter] **Br J Hosp Med** 1984 Jan;31(1):82

Alcohol and the central nervous system. Nakada T, et al. **Med Clin North Am** 1984 Jan;68(1):121–31 (35 ref.)

[Clinical aspects of Wernicke's encephalopathy] Goto I. **Rinsho Shinkeigaku** 1983 Dec;23(12):1104–6 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomographic findings in Wernicke–Korsakoff syndrome. McDowell JR, et al. **Arch Neurol** 1984 Apr; 41(4):453–4

WEST NILE FEVER see under TOGAVIRUS INFECTIONS

WEST NILE VIRUS

ANALYSIS

Comparisons by peptide mapping of proteins specified by Kunjin, West Nile and Murray Valley encephalitis viruses. Wright PJ, et al. **Aust J Exp Biol Med Sci** 1983 Dec;61 (Pt 6):641–53

PHYSIOLOGY

Influence of tick–borne encephalitis and West Nile viruses on the chromosomes of pig kidney cells. Varadinova T, et al. **Acta Virol (Praha)** 1983 May;27(3):238–44

Genetic variation for West Nile virus susceptibility in Culex tritaeniorhynchus. Hayes CG, et al. **Am J Trop Med Hyg** 1984 Jul;33(4):715–24

WEST SYNDROME see SPASMS, INFANTILE

WET LUNG see RESPIRATORY DISTRESS SYNDROME, ADULT

WETTING AGENTS see under SURFACE–ACTIVE AGENTS

WHALES see under CETACEA

WHEAT

Wheat pasture poisoning. I. An evaluation of cereal pastures as related to tetany in beef cows. Bohman VR, et al. **J Anim Sci** 1983 Dec;57(6):1352–63

Wheat pasture poisoning. II. Tissue composition of cattle grazing cereal forages and related to tetany. Bohman VR, et al. **J Anim Sci** 1983 Dec;57(6):1364–73

The effect of wheat bran on the bioavailability of vitamin B–6 in young men. Lindberg AS, et al. **J Nutr** 1983 Dec; 113(12):2578–86

Bran or bacon breakfast? [letter] Dearlove DP. **Med J Aust** 1984 Jul 21;141(2):136

Mycotoxins in cereal grain. Part X. Invasion of fungi mycelium into wheat and barley kernels. Chelkowski J, et al. **Nahrung** 1983;27(6):533–6, 609–11

The specificity of wheat protein reactivity in coeliac disease. O'Farrelly C, et al. **Scand J Gastroenterol** 1983 Jul; 18(5):603–7

[Toxic wheat (Lolium temulentum Linn) poisoning] Lu GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 May; 17(3):157–8 (Eng. Abstr.) **(Chi)**

[Comparative studies of the digestibility of wheat straw pellets with different proportions of concentrated feed in sheep and bulls. 2. Rumen fermentation studies] Klenke EF, et al. **Arch Tierernahr** 1984 Mar;34(3):237–46 (Eng. Abstr.) **(Ger)**

[Wheat bran–type roughage reduces the lithogenicity of bile] Wechsler JG, et al. **Dtsch Med Wochenschr** 1984 Aug 24; 109(34):1284–8 (Eng. Abstr.) **(Ger)**

[Enzyme characteristics of food poisoning caused by grain contaminated with Fusarium sporotrichiella] Kravchenko LV, et al. **Vopr Pitan** 1984 Jan–Feb;(1):61–4 (Eng. Abstr.) **(Rus)**

[Effect of dietary proteins on phospholipid transport between the subcellular membranes and restoration of lipid–transporting proteins in the liver] Liapkov BG. **Vopr Pitan** 1984 May–Jun;(3):45–7 (Eng. Abstr.) **(Rus)**

[Effect of diets containing plant protein on liver mono–oxygenase activity in rats] Zaboikina TN, et al. **Vopr Pitan** 1984 Mar–Apr;(2):41–2 (Eng. Abstr.) **(Rus)**

[Formulation and nutritive value of 2 milk substitutes based on sweet lupine (Lupinus albus, var. multolupa)] Ivanović D, et al. **Arch Latinoam Nutr** 1983 Sep;33(3):620–32 (Eng. Abstr.) **(Spa)**

[Wheat: effects of mixing in breadmaking] Paredes–López O, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):67–82 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The establishment of the bacterium Streptococcus mutans in dental plaque and the induction of caries in macaque monkeys (Macaca fascicularis) fed a diet containing cooked–wheat flour. Beighton D, et al. **Arch Oral Biol** 1984;29(5):369–72

Schizophrenia and wheat gluten enteropathy. Pfeiffer CC. **Biol Psychiatry** 1984 Mar;19(3):279–80

[Allergic pathology in a pre–prepared pizza production department] Campiglio R, et al. **Med Lav** 1983 Jul–Aug; 74(4):272–6 (Eng. Abstr.) **(Ita)**

ANALYSIS

Simultaneous occurrence of deoxynivalenol, zearalenone, and aflatoxin in 1982 scabby wheat from the midwestern United States. Hagler WM Jr, et al. **Appl Environ Microbiol** 1984 Jan;47(1):151–4

Toxicologic studies with Japanese quail fed winter wheat grown on municipal sludge–amended soil. Stoewsand GS, et al. **Arch Environ Contam Toxicol** 1984 May;13(3):297–301

Agglutinating activity of gliadin–derived peptides from bread wheat: implications for coeliac disease pathogenesis. Auricchio S, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):428–33

Reversible phosphorylation of T–substrate by wheat germ, human erythrocyte, and rabbit skeletal muscle protein kinases. Yan TF, et al. **Biochemistry** 1983 Nov 8; 22(23):5340–6

Rapid determination of deoxynivalenol (vomitoxin) by liquid chromatography using modified Romer column cleanup. Chang HL, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):52–4

Deoxynivalenol in winter wheat: thin layer chromatographic method and survey. Eppley RM, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):43–5

Capillary gas chromatographic determination of naphthalene in bran and wheat germ products. Kacprzak JL, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):106–8

Enzyme–linked immunosorbent assay of ochratoxin A in wheat. Lee SC, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb; 67(1):45–9

Simple spectrophotometric method for determination of phosphine residues in wheat. Rangaswamy JR. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):117–22

Gas chromatographic method for analysis of 2,4–D in wheat: interlaboratory study. Smith AE. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):794–8

Thin layer chromatographic determination of deoxynivalenol in wheat and corn. Trucksess MW, et al. **J Assoc Off Anal Chem** 1984 Jan–Feb;67(1):40–3

Gas chromatographic determination of deoxynivalenol in wheat with electron capture detection. Ware GM, et al. **J Assoc Off Anal Chem** 1984 Jul–Aug;67(4):731–4

Stored wheat insect infestation related to uric acid as determined by liquid chromatography. Wehling RL, et al. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):644–7

Occurrence of four subunits in high molecular weight forms of polypeptide chain elongation factor 1 from wheat embryo. Ejiri S, et al. **J Biochem (Tokyo)** 1983 Jul; 94(1):319–22

ENZYMOLOGY

DNA strand breakage by wheat germ type 1 topoisomerase. Been MD, et al. **Biochim Biophys Acta** 1984 Jul 18; 782(3):304–12

Properties of a calmodulin–activated Ca2+–dependent protein kinase from wheat germ. Polya GM, et al. **Biochim Biophys Acta** 1983 Nov 22;761(1):1–12

Glutamyl–tRNA synthetases from wheat. Isolation and characterization of three dimeric enzymes. Ratinaud MH, et al. **Eur J Biochem** 1983 Oct 3;135(3):471–7

Dimeric glutamyl–tRNA synthetases from wheat. Kinetic properties and functional structures. Thomes JC, et al. **Eur J Biochem** 1983 Oct 3;135(3):479–84

GENETICS

Preparative–scale isolation and purification of procaryotic and eucaryotic ribosomal 5 S RNA: Bacillus subtilis, Neurospora crassa, and wheat germ. Li SJ, et al. **Anal Biochem** 1984 May 1;138(2):465–71

Implication of Triticum searsii as the B–genome donor to wheat using DNA hybridizations. Nath J, et al. **Biochem Genet** 1983 Aug;21(7–8):745–60

Genetics and evolution of multilocus isozymes in hexaploid wheat. Hart GE. **Isozymes Curr Top Biol Med Res** 1983; 10:365–80 (45 ref.)

Uptake and binding of cytoplasmic DNA by wheat embryo cell nuclei. Kraszewska E, et al. **Mol Biol Rep** 1983 Aug; 9(3):175–8

METABOLISM

Changes in form of elongation factor 1 during germination of wheat seeds. Sacchi GA, et al. **Eur J Biochem** 1984 Feb 15;139(1):1–4

Nucleic acid (cDNA) and amino acid sequences of alpha–type gliadins from wheat (Triticum aestivum). Kasarda DD, et al. **Proc Natl Acad Sci USA** 1984 Aug; 81(15):4712–6

MICROBIOLOGY

Effect of water activity and temperature on mycotoxin production by Alternaria alternata in culture and on wheat grain. Magan N, et al. **Appl Environ Microbiol** 1984 May; 47(5):1113–7

Effect of sudden fluctuations of temperature on sporulation of Puccinia graminis f.sp. tritici. Pillai PK, et al. **Mycopathologia** 1983 Nov 21;83(2):113–4

[Toxinogenic vomitoxin-producing fusaria isolated from wheat] Veselá D, et al. **Vet Med (Praha)** 1983 Nov; 28(11):687–92 (Eng. Abstr.) **(Cze)**

POISONING

Acceptability and pathological changes in organs of rats fed wheat contaminated with a mixed culture of Aspergillus and Penicillium species. Ghosh J, et al. **Nord Vet Med** 1983 Oct;35(10):364–71

TOXICITY

Evaluation of a gluten free product containing wheat gliadin in patients with coeliac disease. Ciclitira PJ, et al. **Br Med J [Clin Res]** 1984 Jul 14;289(6437):83

Toxicity of Aspergillus ochraceus contaminated wheat and different chemical forms of ochratoxin A in broiler chicks. Manning RO, et al. **Poult Sci** 1984 Mar;63(3):458–65

WHEELCHAIRS

Bilateral palmar flexion instability: a complication of wheelchair use. Pennes DR, et al. **AJR** 1983 Dec; 141(6):1327–8

Wheelchair-attachable deltoid aid. King TI 2d. **Am J Occup Ther** 1983 Aug;37(8):564–5

Brief or new: egress during fire—wheelchair exiting in an emergency. Schroeder C, et al. **Am J Occup Ther** 1984 Aug;38(8):541–2

Muscle fiber type characteristics of M. deltoideus in wheelchair athletes. Comparison with other trained athletes. Tesch PA, et al. **Am J Phys Med** 1983 Oct; 62(5):239–43

Wheelchair sports medicine. Madorsky JG, et al. **Am J Sports Med** 1984 Mar-Apr;12(2):128–32

Motorized wheelchair driving by disabled children. Butler C, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):95–7

Wheelchair mountaineering. Madorsky JG, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):490–2

Orthotic management of scoliosis in Duchenne muscular dystrophy. Seeger BR, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):83–6

Foot shields for wheelchairs. Sibille J, et al. **Arch Phys Med Rehabil** 1984 Feb;65(2):101–2

The human factors design of a powered wheelchair controller. Kelly GW, et al. **Biomed Sci Instrum** 1984; 20:109–12

Wheelchairs used by old people. Haworth E, et al. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1109–10

Powered mobility for very young disabled children. Butler C, et al. **Dev Med Child Neurol** 1983 Aug;25(4):472–4

Energy cost of walking and of wheelchair propulsion by children with myelodysplasia: comparison with normal children. Williams LO, et al. **Dev Med Child Neurol** 1983 Oct;25(5):617–24 (14 ref.)

Metabolic and cardiopulmonary responses of older wheelchair-dependent and ambulatory patients during locomotion. Glaser RM, et al. **Ergonomics** 1983 Jul; 26(7):687–97

Mobility for the disabled patient. Goodwill CJ. **Int Rehabil Med** 1984;6(1):iii–iv

Wheelchair calisthenics keep patients fit [news] Marwick C. **JAMA** 1984 Jan 20;251(3):303

Measuring the charge condition of wheelchair batteries. Durie ND, et al. **Med Biol Eng Comput** 1984 Mar; 22(2):184–6

Arm cranking and wheelchair ergometry in elite spinal cord-injured athletes. Wicks JR, et al. **Med Sci Sports Exerc** 1983;15(3):224–31

Wheelchair exercise testing: comparison of continuous and discontinuous exercise. Whiting RB, et al. **Paraplegia** 1984 Apr;22(2):92–8

Disablement and eye contact. Edelmann RJ, et al. **Percept Mot Skills** 1984 Jun;58(3):849–50

Device to assist training in balancing on the rear wheels of a wheelchair. Suggestion from the field. Winrichsen LC, et al. **Phys Ther** 1984 May;64(5):672–3

Fully contoured seating for the wheelchair-bound patient with neuromuscular disease. Suggestion from the field. Siegel IM, et al. **Phys Ther** 1983 Oct;63(10):1625–6

The Dundee seating programme. Bardsley GI. **Physiotherapy** 1984 Feb;70(2):59–63

The new generation of wheelchairs. Karlander D. **Physiotherapy** 1983 Dec;69(12):428–9

[Objectification of the training effect of sports therapy for wheelchair users] Koch I, et al. **Int J Rehabil Res** 1983 Dec;6(4):439–48 (Eng. Abstr.) **(Ger)**

[Wheelchair field testing at the central train station and airport in Frankfurt] Herbert H. **Rehabilitation (Stuttg)** 1984 May;23(2):66–72 (Eng. Abstr.) **(Ger)**

[Wheelchair drivers – structure of a handicapped group in a rural district] Herrfurth R, et al. **Z Gesamte Hyg** 1983 Jul;29(7):408–9 (Eng. Abstr.) **(Ger)**

[A folding wheelchair for adults] Shchelokov VA, et al. **Med Tekh** 1984 May-Jun;(3):54–5 **(Rus)**

[A gurney chair] Trusheikina VI, et al. **Med Tekh** 1984 May-Jun;(3):53–4 **(Rus)**

STANDARDS

Ultrasound mapping of the buttock-cushion interface contour. Kadaba MP, et al. **Arch Phys Med Rehabil** 1984 Aug;65(8):467–9

Survey of attendant propelled mobile chairs used in hospitals. Abel EW. **Health Bull (Edinb)** 1983 Sep;41(5):275–7

Lightweight wheelchairs and amputees [letter] Zeman B. **Med J Aust** 1983 Sep 17;2(6):262

Technical note—'Lawry' rotary attachment for paraplegics. Lawrence NG. **Prosthet Orthot Int** 1983 Dec;7(3):174–5

Wheelchair design and quality. Brattgård SO, et al. **Scand J Rehabil Med [Suppl]** 1983;9:15–9

[Drive technology in electric wheelchairs—status and perspectives] Weege RD. **Biomed Tech (Berlin)** 1984 May; 29(5):95–103 (Eng. Abstr.) **(Ger)**

WHEEZING see **RESPIRATORY SOUNDS**

WHIPLASH INJURIES

The whiplash syndrome. A general practitioner's viewpoint. Kenna CJ. **Aust Fam Physician** 1984 Apr;13(4):256–8

COMPLICATIONS

Bilateral vocal cord paralysis due to whiplash injury. Helliwell M, et al. **Br Med J [Clin Res]** 1984 Jun 23; 288(6434):1876–7

[Episodes of amnesia following whiplash injury to the cervical spine] Heckl RW, et al. **Aktuel Traumatol** 1984 Feb;14(1):33–6 (Eng. Abstr.) **(Ger)**

[Whiplash injuries of the cervical spine. Pathogenesis of cerebral involvement and persistent post-traumatic disorders] Krämer G. **Med Welt** 1983 Oct 14; 34(41):1134–40 **(Ger)**

[Cerebral hemorrhage following a rear-end collision] Bauer G, et al. **Unfallheilkunde** 1984 Jan;87(1):37–9 (Eng. Abstr.) **(Ger)**

[Reflex dystrophy following so-called whiplash injury of the cervical spine] Bühring M. **Z Orthop** 1984 May-Jun; 122(3):281–6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Shaken baby syndrome: a review of 20 cases. Ludwig S, et al. **Ann Emerg Med** 1984 Feb;13(2):104–7

The prognosis of neck injuries resulting from rear-end vehicle collisions. Norris SH, et al. **J Bone Joint Surg [Br]** 1983 Nov;65(5):608–11

[Whiplash injury of the cervical spine in the disability evaluation. A medical or legal problem?] Gemmel HW, et al. **Z Unfallchir Versicherungsmed Berufskr** 1984; 77(1):9–11 **(Ger)**

[Evaluation of the whiplash syndrome in legal accident insurance, in private accident insurance and in criminal and legal procedures] Krösl W. **Z Unfallchir Versicherungsmed Berufskr** 1984;77(1):5–7 **(Ger)**

PHYSIOPATHOLOGY

Three-dimensional response of a lumped parameter head-neck model due to impact and impulsive loading. Merrill T, et al. **J Biomech** 1984;17(2):81–95

Subcortical EEG changes in rhesus monkeys following experimental hyperextension-hyperflexion (whiplash). Liu YK, et al. **Spine** 1984 May-Jun;9(4):329–38

PSYCHOLOGY

Psychiatry and the cervical sprain syndrome [editorial] Merskey H. **Can Med Assoc J** 1984 May 1;130(9):1119–21

RADIOGRAPHY

Whiplash shaking syndrome: retinal hemorrhages and computerized axial tomography of the brain. Carter JE, et al. **Child Abuse Negl** 1983;7(3):279–86

THERAPY

Whiplash. A specialist's view. Selecki BR. **Aust Fam Physician** 1984 Apr;13(4):243–7

[Treatment of whiplash injuries of the cervical spine with acupuncture] Hertz H, et al. **Aktuel Traumatol** 1983 Aug; 13(4):151–3 (Eng. Abstr.) **(Ger)**

WHIPPLE'S DISEASE see **LIPODYSTROPHY, INTESTINAL**

WHITE HEIFER DISEASE see **FREEMARTINISM**

WHITE MUSCLE DISEASE see under **MUSCULAR DYSTROPHY, ANIMAL**

WHITES

see related
CAUCASOID RACE

Black-white contrasts as determinants of cardiovascular risk in childhood: precursors of coronary artery and primary hypertensive diseases. Berenson GS, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):672–83

Determinants of high-density lipoprotein cholesterol in blacks and whites: the second National Health and Nutrition Examination Survey. Gartside PS, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):641–53

Black-white differences in plasma levels of apolipoproteins: the Evans County Heart Study. Heiss G, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):807–14

Black-white comparison of indices of coronary heart disease and myocardial infarction in the stepped-care cohort of the Hypertension Detection and Follow-Up Program. Langford HG, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):797–801

Total and cardiovascular mortality in relation to cigarette smoking, serum cholesterol concentration, and diastolic blood pressure among black and white males followed up for five years. Neaton JD, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):759–69

Coronary heart disease in young black and white males in New Orleans: Community Pathology Study. Strong JP, et al. **Am Heart J** 1984 Sep;108(3 Pt 2):747–59

Socioeconomic and racial differences in lung cancer incidence. Devesa SS, et al. **Am J Epidemiol** 1983 Dec; 118(6):818–31

Race, socioeconomic status, and domestic homicide, Atlanta, 1971–72. Centerwall BS. **Am J Public Health** 1984 Aug; 74(8):813–5

Changes in tuberculosis notification rates in the white ethnic group in England between 1971 and 1978/79. Nunn AJ, et al. **Br J Dis Chest** 1984 Apr;78(2):159–62

A comparison of the respiratory health of Mexican-American and non-Mexican-American white children. Dodge R. **Chest** 1983 Nov;84(5):587–92

Requests for outpatient mental health services: a comparison of whites and blacks. Wood WD, et al. **Compr Psychiatry** 1984 May-Jun;25(3):329–34

Thyroid autoimmunity in type 2 (non-insulin-dependent) diabetic patients of Caucasoid, black and Mexican origin. Kasim S, et al. **Diabetologia** 1984 Jul;27(1):59–61

Blood pressure in blacks and whites and its relationship to dietary sodium and potassium intake. Frisancho AR, et al. **J Chronic Dis** 1984;37(7):515–9

Contrast in cardiac anatomy and function between black and white patients with hypertension. Hammond IW, et al. **J Natl Med Assoc** 1984 Mar;76(3):247–55

Antiracism and the level of health services: a sociomedical hypothesis. Schatzkin A, et al. **J Natl Med Assoc** 1984 Apr; 76(4):381–6

Converging and diverging beliefs about arthritis: Caucasian patients, Spanish speaking patients, and physicians. Lorig KR, et al. **J Rheumatol** 1984 Feb;11(1):76–9

Lung cancer: leading cause of cancer deaths in Louisiana white females [letter] Chen VW, et al. **JNCI** 1984 Jan; 72(1):1–2

PSYCHOLOGY

Competent adolescents from different socioeconomic and ethnic contexts. Looney JG, et al. **Adolesc Psychiatry** 1983; 11:64–74

Recidivism among opioid addicts after drug treatment: an analysis by race and tenure in treatment. Joe GW, et al. **Am J Drug Alcohol Abuse** 1982-83;9(4):371–82

Ethnic status and participation in longitudinal health surveys. Vernon SW, et al. **Am J Epidemiol** 1984 Jan;119(1):99–113

Prevalence of self-reported depressive symptoms in young adolescents. Schoenbach VJ, et al. **Am J Public Health** 1983 Nov;73(11):1281–7

Interpersonal tactics and communicative strategies of Anglo-American and Mexican-American mildly mentally retarded and nonretarded students. Rueda R, et al. **Appl Res Ment Retard** 1983;4(2):153–61

Withdrawal seizures in black and white alcoholic patients: intellectual and neuropsychological sequelae. Goldstein G, et al. **Drug Alcohol Depend** 1983 Dec;12(4):349–54

An exploration of family interaction with the elderly by race, socioeconomic status, and residence. Mitchell J, et al. **Gerontologist** 1984 Feb;24(1):48–54

Effects of race on ratings of social skill. Turner SM, et al. **J Consult Clin Psychol** 1984 Jun;52(3):474–5

Racial variations on the MacAndrew alcoholism scale of the MMPI. Walters GD, et al. **J Consult Clin Psychol** 1983 Dec;51(6):947–8

WHOLE BLOOD COAGULATION TIME see under **BLOOD COAGULATION TESTS**

WHOLE BODY COUNTING

A comparison between the use of a shadow shield whole body counter and an uncollimated gamma camera ain the assessment of the seven-day retention of SeHCAT. Hames TK, et al. **Br J Radiol** 1984 Jul;57(679):581–4

Comment on potential errors in whole-body scintillation counting of 40K [letter] Forbes GB, et al. **J Lab Clin Med** 1984 Mar;103(3):487–9

Retention of 75Se-homotaurocholic acid measured by a low-background whole-body counter. Centi-Colella A, et al. **J Nucl Med Allied Sci** 1983 Oct-Dec;27(4):309–12

INSTRUMENTATION

[Use of whole-body counters for iron resorption and blood loss measurements] Ertl S. **Z Gesamte Inn Med** 1984 Apr 15;39(8):164-7 (Eng. Abstr.) **(Ger)**

METHODS

Body potassium by four-pi 40K counting: an anthropometric correction. Pierson RN Jr, et al. **Am J Physiol** 1984 Feb; 246(2 Pt 2):F234-9

Correction of attenuation in whole-body determination of Co-57 B12 absorption: concise communication. Cardarelli JA, et al. **J Nucl Med** 1983 Oct;24(10):949-51

STANDARDS

Standardization requirements for the in vivo counting techniques of gamma - and soft X-ray radionuclides. Clemente GF, et al. **Int J Nucl Med Biol** 1983;10(2-3):145-6

WHOLE BODY IRRADIATION

The effect of radioimmunosuppression on the development of low-dose streptozotocin diabetes. Hahn HJ, et al. **Acta Biol Med Ger** 1982;41(12):1191-7

Total lymphatic irradiation and bone marrow in human heart transplantation. Kahn DR, et al. **Ann Thorac Surg** 1984 Aug;38(2):169-71

Experimental determination of whole body average specific absorption rate (SAR) of mice exposed to 200-400 MHz CW. Marshall SV, et al. **Bioelectromagnetics** 1983; 4(3):267-79

Increases in circulating megakaryocyte growth-promoting activity in the plasma of rats following whole body irradiation. Miura M, et al. **Blood** 1984 May;63(5):1060-6

Fractionated total body irradiation in marrow transplantation for leukaemia. Vitale V, et al. **Br J Haematol** 1983 Nov; 55(3):547-54

Modification of the effects of continuous low dose rate irradiation by concurrent chemotherapy infusion. Fu KK, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug;10(8):1473-8

In vitro radiation studies on Ewing's sarcoma cell lines and human bone marrow: application to the clinical use of total body irradiation (TBI). Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1005-11

Effect of split dose TBI on hematopoietic stem-cell survival in combined radiation-drug exposures. OKunewick JP, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul;10(7):1087-93

Effect of dexamethasone on the survival of whole-body irradiated mice. Jacob CO, et al. **Isr J Med Sci** 1984 Jul; 20(7):639-40

Failure of low-dose, total-body irradiation to augment combination chemotherapy in extensive-stage small cell carcinoma of the lung. Dillman RO, et al. **J Clin Oncol** 1983 Apr;1(4):242-6

Intensive chemotherapy, total body irradiation, and autologous marrow transplantation for chronic granulocytic leukemia-blast phase: report of four additional cases. Phillips GL, et al. **J Clin Oncol** 1984 May;2(5):379-84

Differential recovery of circulating T cell subsets after nodal irradiation for Hodgkin's disease. Haas GS, et al. **J Immunol** 1984 Feb;132(2):1026-30

Prevention of experimental allergic encephalomyelitis (EAE) in the SJL/J mouse by whole body ultraviolet irradiation. Hauser SL, et al. **J Immunol** 1984 Mar;132(3):1276-81

Suppression of pokeweed mitogen-stimulated immunoglobulin production in patients with rheumatoid arthritis after treatment with total lymphoid irradiation. Kotzin BL, et al. **J Immunol** 1984 Feb;132(2):1049-55

Immune reactivity and immunosuppressive intervention in experimental nephritis. II. Effect of TLI on the course of two models of nephritis in the inbred rat. Lowry RP, et al. **J Immunol** 1984 Feb;132(2):1007-12

Induction of specific unresponsiveness to heart allografts in mongrel dogs treated with total lymphoid irradiation and antithymocyte globulin. Strober S, et al. **J Immunol** 1984 Feb;132(2):1013-8

Use of total lymphoid irradiation (TLI) in studies of the T cell-dependence of autoantibody production in rheumatoid arthritis. Tanay A, et al. **J Immunol** 1984 Feb; 132(2):1036-40

Opposite effects of total lymphoid irradiation on T cell-dependent and T cell-independent antibody responses. Tanay A, et al. **J Immunol** 1984 Feb;132(2):979-84

Allogeneic bone marrow transplantation in mice after total lymphoid irradiation: influence of breeding conditions and strain of recipient mice. Waer M, et al. **J Immunol** 1984 Feb;132(2):991-6

Comparison of the immunosuppressive effect of fractionated total lymphoid irradiation (TLI) vs conventional immunosuppression (CI) in renal cadaveric allotransplantation. Waer M, et al. **J Immunol** 1984 Feb; 132(2):1041-8

Suppression of cell-mediated immune responses after total lymphoid irradiation (TLI). I. Characterization of suppressor cells of the mixed lymphocyte reaction. Weigensberg M, et al. **J Immunol** 1984 Feb;132(2):971-8

A comparative study of total body irradiation as a method of inducing granulocyte depletion in mice. Bogman MJ, et al. **J Immunol Methods** 1984 May 11;70(1):31-8

Reduction of N-nitroso-N-ethylurea-induced neurogenic tumors by X-radiation: a life-span study in rats. Knowles JF. **JNCI** 1984 Jan;72(1):133-7

Spontaneous versus artificial lung metastasis: discrepant effect of whole-body irradiation in NFSA2ALM and NFSA1SLM tumor systems. Suzuki N. **JNCI** 1983 Oct; 71(4):835-9

Treatment of resistant malignant lymphoma with cyclophosphamide, total body irradiation, and transplantation of cryopreserved autologous marrow. Phillips GL, et al. **N Engl J Med** 1984 Jun 14; 310(24):1557-61

Platelet aggregation induced in mice by whole-body hyperthermia. Nakayama T, et al. **Radiat Res** 1984 Jun; 98(3):583-90

Dose- and time-related quantitative and qualitative alterations in the granulocyte/macrophage progenitor cell (GM-CFC) compartment of dogs after total-body irradiation. Nothdurft W, et al. **Radiat Res** 1984 May; 98(2):332-44

Suppression of delayed-type hypersensitivity to oxazolone in whole-body-irradiated mice and protection by WR-2721. Srinivasan V, et al. **Radiat Res** 1984 Jun; 98(3):438-44

Effect of protracted Diazepam treatment on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):657-62

Effect of single diazepam administration on radiation induced breakdown of deoxyribonucleoprotein in thymus and spleen of rats. Halát G, et al. **Radiobiol Radiother (Berl)** 1983;24(5):663-8

Effect of whole body gamma radiation on tissue lactic dehydrogenase in experimental rats. Sarkar SR, et al. **Radiobiol Radiother (Berl)** 1983;24(5):707-10

Effects of total body irradiation followed by bone marrow transplantation on the disposition kinetics of mitomycin-C in the rat. Buice RG, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jun; 44(3):401-10

N-methylnicotinamide as a possible prognostic indicator of recovery from leukaemia in patients treated with total-body irradiation and bone marrow transplants. Tamulevicius P, et al. **Strahlentherapie** 1984 Apr; 160(4):249-54

Changes of the activity of acid phosphatase and beta-glucuronidase in isolated platelets of whole-body irradiated rats. Vranovská J, et al. **Strahlentherapie** 1983 Sep;159(9):584-9

Conditioning of tissues for metastasis formation by radiation and cytotoxic drugs. Milas L, et al. **Symp Fundam Cancer Res** 1983;36:321-36 (34 ref.)

Cardiac allotransplantation in rats supported with preoperative total lymphoid irradiation, low-dose cyclosporine, and splenectomy. Downing TP, et al. **Transplantation** 1984 Jun;37(6):636-8

Segmental pancreatic allograft survival in primates treated with total-body or lymphoid irradiation and peroperative blood transfusions. du Toit DF, et al. **Transplantation** 1984 Mar;37(3):325-6

Liver transplantation followed by high-dose cyclophosphamide, total-body irradiation, and autologous bone marrow transplantation for treatment of metastatic breast cancer. A case report. Huber C, et al. **Transplantation** 1984 Mar;37(3):311-2

[Treatment of inoperable small-cell bronchial carcinoma with local radiotherapy and supplementary high-dosage one-time upper and lower half-body irradiation] Hüttner J, et al. **Arch Geschwulstforsch** 1984;54(3):239-42 (Eng. Abstr.) **(Ger)**

[Changes in various blood platelet function tests in rabbits exposed to whole-body irradiation] Zitko M, et al. **Folia Haematol (Leipz)** 1983;110(5):743-52 (Eng. Abstr.) **(Ger)**

[Effect of lithium carbonate on the leukocyte count as affected by ionizing radiation. 1. Lithium carbonate as a modifier of leukocyte depression in rats after whole body irradiation] Kehrberg G, et al. **Radiobiol Radiother (Berl)** 1984;25(1):107-11 (Eng. Abstr.) **(Ger)**

[Optimization of dose distribution in whole body irradiation by means of compensators] Brix F, et al. **Strahlentherapie** 1984 Feb;160(2):108-13 (Eng. Abstr.) **(Ger)**

[Comparative studies on the immunostimulation by whole-body irradiation or vincristine sulphate] Dietz R, et al. **Strahlentherapie** 1983 Oct;159(10):629-32 (Eng. Abstr.) **(Ger)**

[Clinical effects and immunological evaluation of whole body irradiation in myasthenia gravis] Yamanaka N, et al. **Rinsho Shinkeigaku** 1983 Jun;23(6):467-72 (Eng. Abstr.) **(Jpn)**

[Transplantation of fetal liver cells from many embryos to hemoblastosis patients conditioned by whole-body irradiation and chemotherapeutic agents] Shereshkov SI, et al. **Gematol Transfuziol** 1984 Apr;29(4):9-15 (Eng. Abstr.) **(Rus)**

[The efficacy of gammaphos in whole-body irradiation during normal oxygenation and hypoxia] Vygodskaia AL, et al. **Med Radiol (Mosk)** 1984 Aug;29(8):39-43 (Eng. Abstr.) **(Rus)**

[Effect of microwaves of nonthermal intensity on the number of aberrant hepatocytes in rats] Antipenko EN, et al. **Radiobiologiia** 1984 May-Jun;24(3):403-5 (Eng. Abstr.) **(Rus)**

[Iron content of the blood and saturation of serum transferrin with iron as affected by roentgen rays] Gotsuliak LE. **Radiobiologiia** 1984 May-Jun;24(3):362-4 (Eng. Abstr.) **(Rus)**

[Increase in the agglutination activity of rat blood serum following total body irradiation with supralethal doses] Ivanov AA, et al. **Radiobiologiia** 1984 May-Jun; 24(3):389-90 (Eng. Abstr.) **(Rus)**

[Change in the metabolic reserve of free amino acids in the peripheral blood and spleen during exposure to whole body uniform gamma-radiation] Konnova LA, et al. **Radiobiologiia** 1984 May-Jun;24(3):330-3 (Eng. Abstr.) **(Rus)**

[Development of long-term radiation effects in rats after whole-body fractionated gamma-irradiation] Shvedov VI., et al. **Radiobiologiia** 1983 Nov-Dec;23(6):832-5 (Eng. Abstr.) **(Rus)**

[Effect of indomethacin on the recovery of hematopoiesis in mice after total gamma irradiation] Sklobovskaia IE, et al. **Radiobiologiia** 1984 Jan-Feb;24(1):101-4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Increased mortality by septicemia, interstitial pneumonitis and pulmonary fibrosis among bone marrow transplant recipients receiving an increased mean dose rate of total irradiation. Ringdén O, et al. **Acta Radiol [Oncol]** 1983; 22(6):423-8

The elevation of blood levels of zinc protoporphyrin in mice following whole body irradiation. Walden TL, et al. **Blood** 1984 May;63(5):1159-67

Secondary tumors after high-dose cyclophosphamide and total-body irradiation followed by bone marrow transplantation in a rat model for human acute myelocytic leukemia (BNML). Lopes Cardozo B, et al. **Eur J Cancer Clin Oncol** 1984 May;20(5):695-8

Cataracts after total body irradiation and marrow transplantation: a sparing effect of dose fractionation. Deeg HJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Jul; 10(7):957-64

Increased incidence of malignant tumors in dogs after total body irradiation and marrow transplantation. Deeg HJ, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1505-11

Reduced in vitro immune responses of purified human Leu-3 (helper/induced phenotype) cells after total lymphoid irradiation. Field EH, et al. **J Immunol** 1984 Feb; 132(2):1031-5

Rejection of heart allografts in canine recipients given total lymphoid irradiation [letter] Strober S. **J Immunol** 1984 Mar;132(3):1583

Effect of two graded doses of whole-body X-irradiation and radioprotection by the use of S-phenethyl formamidino 4(N-ethyl isothioamide) morpholine dihydrochloride. Hasan SS, et al. **Nuklearmedizin** 1983 Oct;22(5):237-45

Protection of mice from whole-body gamma radiation by deuteration of drinking water. Laissue JA, et al. **Radiat Res** 1983 Oct;96(1):59-64

Changes in the activity of superoxide-dismutase (SOD) under the influence of 60Co-gamma irradiation and the O2-scavenger ability of SH-containing radioprotectors in vivo and in vitro. Schweitzer K, et al. **Radiobiol Radiother (Berl)** 1983;24(6):753-61

The early complications of bone marrow transplantation. Champlin RE, et al. **Semin Hematol** 1984 Apr;21(2):101-8 (56 ref.)

Pulmonary bronchoalveolar cell and protein kinetics in dogs given total-body irradiation, autologous marrow grafts, and methotrexate. Springmeyer SC, et al. **Transplantation** 1984 Apr;37(4):336-9

[Pathophysiology of radiation-induced thrombocytopathy] Dienstbier Z, et al. **Radiobiol Radiother (Berl)** 1983; 24(5):687-706 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A circular waveguide irradiation system for nonhuman primates: design and dosimetry. Olsen RG, et al. **Bioelectromagnetics** 1984;5(1):79-88

Modification of a standard cobalt-60 unit for total body irradiation at 150 cm SSD. Peters VG, et al. **Int J Radiat Oncol Biol Phys** 1984 Jun;10(6):927-32

METHODS

Fractionated total body irradiation in bone marrow transplantation—an emphasis on lung dosimetry. Yuile PG, et al. **Australas Radiol** 1983 Jul;27(2):186-94

Clinical aspects of a rotational total skin electron irradiation. Kim TH, et al. **Br J Radiol** 1984 Jun;57(678):501-6

Preliminary report on 'one-time' and high dose irradiation of the upper and lower half-body in patients with small cell lung cancer. Eichhorn HJ, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1459-65

Upper half body irradiation (UHBI) for extensive small cell carcinoma of the lung. Payne DG, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct;9(10):1571-4

Hyperfractionated total body irradiation for bone marrow transplantation. Results in seventy leukemia patients with allogeneic transplants. Shank B, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;9(11):1607-11

Cell survival kinetics in peripheral blood and bone marrow during total body irradiation for marrow transplantation. Shank B, et al. **Int J Radiat Oncol Biol Phys** 1983 Nov;

9(11):1613–23
Hemibody irradiation technique: a wider use in oncology. Urtasun RC. **Int J Radiat Oncol Biol Phys** 1983 Oct; 9(10):1585–6
Hemibody radiation, an active therapeutic modality for the management of patients with small cell lung cancer. Urtasun RC, et al. **Int J Radiat Oncol Biol Phys** 1983 Oct; 9(10):1575–8
Total lymphoid irradiation in kidney and liver transplantation in the baboon: prolonged graft survival and alterations in T cell subsets with low cumulative dose regimens. Myburgh JA, et al. **J Immunol** 1984 Feb;132(2):1019–25
Influence of radiation field and fractionation schedule of total lymphoid irradiation (TLI) on the induction of suppressor cells and stable chimerism after bone marrow transplantation in mice. Waer M, et al. **J Immunol** 1984 Feb;132(2):985–90
[Double half-body radiotherapy in myeloma] Bontoux D, et al. **Rev Rhum Mal Osteoartic** 1984 Feb;51(2):85–9 (Eng. Abstr.) **(Fre)**

MORTALITY

Interaction of radiation, dihydroxyanthraquinone, and adriamycin on the induction of acute lethality in mice. Kimler BF, et al. **Int J Radiat Oncol Biol Phys** 1984 Aug; 10(8):1459–63
[Studies in the small intestine of mice after fractionated neutron and x-ray irradiation] van Beuningen D, et al. **Strahlentherapie** 1984 Apr;160(4):255–61 (Eng. Abstr.) **(Ger)**

WHOOPING COUGH

see related
PERTUSSIS VACCINE

The pertussis syndrome: a persistent problem. Geller RJ. **Pediatr Infect Dis** 1984 Mar–Apr;3(2):182–6 (47 ref.)

COMPLICATIONS

Pulmonary abnormalities in symptom-free adolescents after infantile pertussis with pneumonia [letter] Sveger T, et al. **N Engl J Med** 1984 Feb 9;310(6):390–1
Whooping cough and raised intracranial pressure [letter] Forsyth K. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):369–70
Viral infections in clinical pertussis. Wesley AG, et al. **S Afr Med J** 1983 Oct 1;64(15):577–8

DIAGNOSIS

Sonography (sound spectrography) as a measurement of larynx spasm in severe adenovirus infection and pertussis in infants. Peltola H, et al. **Infection** 1984 Mar–Apr; 12(2):102–3
Counterimmunoelectrophoresis in the diagnosis of whooping cough. Boreland PC, et al. **J Clin Pathol** 1984 Aug; 37(8):950–1
Diagnosis of pertussis. Mertsola J, et al. **J Infect** 1984 Mar; 8(2):149–56
[Whooping cough] Bos SE. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1409–11 **(Dut)**
[Serodiagnosis of whooping cough] Nagel J, et al. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1427–9 **(Dut)**

DRUG THERAPY

Treatment of whooping cough: the facts. Broomhall J, et al. **Arch Dis Child** 1984 Feb;59(2):185–7
Use of erythromycin in pertussis outbreaks [letter] Bass JW. **Pediatrics** 1983 Nov;72(5):748–9

ETIOLOGY

Pertussis in nonimmunized postsurgical biliary atresia. Johnson MS. **J Natl Med Assoc** 1984 Apr;76(4):407–8

IMMUNOLOGY

T-cell subsets in children with pertussis. Bertotto A, et al. **Haematologica (Pavia)** 1984 May–Jun;69(3):342–5
Latex agglutination test for pertussis antibody status of children before & after vaccination. Ray K, et al. **Indian J Med Res** 1984 Feb;79:180–6
Distribution of immunity to pertussis in the population of England and Wales. Fine PE, et al. **J Hyg (Lond)** 1984 Feb;92(1):21–36
Serum IgA antibody to Bordetella pertussis as an indicator of infection. Nagel J, et al. **J Med Microbiol** 1983 Nov; 16(4):417–26
Herd immunity to pertussis [letter] **Lancet** 1984 Jan 28; 1(8370):226–7
Pertussis: herd immunity and vaccination coverage in St Lucia. Cooper E, et al. **Lancet** 1983 Nov 12; 2(8359):1129–32
[Pertussis: study of 200 cases in childhood] Colli R, et al. **Minerva Pediatr** 1983 Jul 31;35(13–14):711–6 (Eng. Abstr.) **(Ita)**
[Protection of preschool-age children during the pertussis epidemic of 1979/80 in the environs of Križevci] Babuš V, et al. **Lijec Vjesn** 1984 Jan;106(1):7–10 (Eng. Abstr.) **(Scr)**

OCCURRENCE

Re: 'Whooping cough and whooping cough vaccine: the risks and benefits debate' [letter] Stewart GT. **Am J Epidemiol** 1984 Jan;119(1):135–9
Severity of whooping cough in England before and after the decline in pertussis immunisation. Pollock TM, et al. **Arch Dis Child** 1984 Feb;59(2):162–5
High admission rate of infants and young children with whooping cough: clinical aspects and preventive implications. Forsyth K, et al. **Aust Paediatr J** 1984 May; 20(2):101–3
Whooping cough: what proportion of cases is notified in an epidemic [letter] Crombie DL. **Br Med J [Clin Res]** 1983 Sep 10;287(6394):760–1
Pertussis outbreak—Oklahoma. **MMWR** 1984 Jan 13; 33(1):2–4, 9–10
More on pertussis [letter] Brink EW, et al. **N Engl J Med** 1983 Oct 20;309(16):985–6
Pertussis—New Zealand 1982/83. Begg RC. **NZ Med J** 1984 Jun 27;97(758):408–11
[Pertussis vaccine; a hitch somewhere?] Aronson DC, et al. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1412–5 (Eng. Abstr.) **(Dut)**
[Is whooping cough really on the increase?] Bijkerk H. **Ned Tijdschr Geneeskd** 1984 Jul 28;128(30):1421–2 **(Dut)**
[Pertussis in Sweden 1977–1983—an epidemiologic analysis. There is need for a vaccine against pertussis] Romanus V, et al. **Lakartidningen** 1984 May 23;81(21):2163–8 **(Swe)**

PHYSIOPATHOLOGY

Respiratory morbidity and lung function after whooping-cough. Johnston ID, et al. **Lancet** 1983 Nov 12; 2(8359):1104–8

PREVENTION & CONTROL

Pertussis vaccine controversy: to vaccinate or not? Feery BJ. **Aust Paediatr J** 1984 May;20(2):91–3
Whooping cough and pertussis vaccination [letter] **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1881–2
Pertussis: what percentage of children can we immunise? Jelley DM, et al. **Br Med J [Clin Res]** 1984 May 26; 288(6430):1582–4
Whooping cough and pertussis vaccine [letter] Stewart GJ. **Br Med J [Clin Res]** 1983 Nov 12;287(6403):1470
Whooping cough and pertussis vaccination [letter] Stewart GT. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):232–3
The epidemiology of pertussis and pertussis immunization in the United Kingdom and the United States: a comparative study. Cherry JD. **Curr Probl Pediatr** 1984 Feb;14(2):1–78 (165 ref.)
Pertussis disease, vaccine, and controversy [editorial] Fulginiti VA. **JAMA** 1984 Jan 13;251(2):251
Pertussis and pertussis vaccine. Reanalysis of benefits, risks, and costs. Hinman AR, et al. **JAMA** 1984 Jun 15; 251(23):3109–13
Failure to vaccinate [letter] **Lancet** 1984 Feb 11;1(8372):342–3
American Academy of Pediatrics Committee on Infectious Diseases: Pertussis vaccine. **Pediatrics** 1984 Aug; 74(2):303–5
The pertussis vaccine controversy. Hinman AR. **Public Health Rep** 1984 May–Jun;99(3):255–9
[Whooping cough vaccination of children at risk] Eriksson M, et al. **Lakartidningen** 1984 Jan 4;81(1–2):36–7 **(Swe)**

THERAPY

Treatment of whooping-cough [editorial] **Lancet** 1984 May 26;1(8387):1162
[Clinical study on therapy with high-doses of specific anti-pertussis IgG in infants] Musso A, et al. **Minerva Pediatr** 1984 Feb 15;36(3):139–44 (Eng. Abstr.) **(Ita)**

TRANSMISSION

An analysis of resistance times to infection under treatment. Kimber H, et al. **Stat Med** 1984 Apr–Jun;3(2):165–71

WIDOW see **SINGLE PERSON**

WIDOWER see **SINGLE PERSON**

WIFE ABUSE see **SPOUSE ABUSE**

WILL see **VOLITION**

WILLIS' CIRCLE see **CIRCLE OF WILLIS**

WILLS

Living wills: when do they mean what they say they mean? [news] **Hastings Cent Rep** 1983 Aug;13(4):2
Challenging the challengers of Szasz's psychiatric will [letter] Vatz RE, et al. **Hastings Cent Rep** 1983 Dec;13(6):44–5
Giving life to a 'Living Will': what should it look like? What does it mean? What should be done with it? Berg RN. **J Med Assoc Ga** 1984 May;73(5):311–4
Legislation with dignity: will this be the year Georgia enacts a 'Living Will' statute? Maxwell GM Jr. **J Med Assoc Ga** 1984 Feb;73(2):112–4
The living will [letter] Rosner F. **JAMA** 1983 Nov 25; 250(20):2789
Have nurses and physicians signed living wills? [letter] Anderson GC, et al. **N Engl J Med** 1984 Sep 6;311(10):678
Problems and prospects for the 'living will' in North Carolina. Moskop JC. **NC Med J** 1984 Feb;45(2):93–5

WILMS' TUMOR see **NEPHROBLASTOMA**

WILSON'S DISEASE see **HEPATOLENTICULAR DEGENERATION**

WIND see under **AIR MOVEMENTS**

WINE

Pleural mesothelioma after a short interval from first exposure in the wine filter industry. Scansetti G, et al. **Am J Ind Med** 1984;5(4):335–9
Lactic acid bacteria of wines: stimulation of growth and malolactic fermentation. Lafon-Lafourcade S, et al. **Antonie Van Leeuwenhoek** 1983 Sep;49(3):349–52 (14 ref.)
Wine and five percent ethanol are potent stimulants of gastric acid secretion in humans. Lenz HJ, et al. **Gastroenterology** 1983 Nov;85(5):1082–7
New wines and beers of native North America. Feest CF. **J Ethnopharmacol** 1983 Dec;9(2–3):329–35

ADVERSE EFFECTS

Red wine and reactions [letter] Domino EF, et al. **J Clin Psychopharmacol** 1984 Jun;4(3):173–4
[Sideroblastic anemia, lead poisoning and wine from Bordeaux] Conso F, et al. **Ann Med Interne (Paris)** 1984; 135(1):43–5 (Eng. Abstr.) **(Fre)**
[Biogenic amines in food: effects of histamine, tyramine and phenylethylamine in the human] Lüthy J, et al. **Z Lebensm Unters Forsch** 1983;177(6):439–43 (Eng. Abstr.) **(Ger)**

ANALYSIS

Mutagen content of table wines made from various grape species and hybrid cultivars. Subden RE, et al. **Food Chem Toxicol** 1984 Apr;22(4):309–13
Reconstruction of environmental tritium levels from wine analysis. Kozák K, et al. **Health Phys** 1984 Jan; 46(1):193–203
High-performance liquid chromatographic detection and quantitation of amines in must and wine. Buteau C, et al. **J Chromatogr** 1984 Jan 27;284(1):201–10
Lead and arsenic levels in wines produced from vineyards where lead arsenate sprays are used for caterpillar control. Handson PD. **J Sci Food Agric** 1984 Feb;35(2):215–8

POISONING

Further cases of lead poisoning from wine. Perrelli G, et al. **Am J Ind Med** 1984;5(5):377–81
[Alimentary lead poisoning is now a reality. Description of 2 cases] Caprioli R, et al. **Med Lav** 1983 Jul–Aug; 74(4):308–12 (Eng. Abstr.) **(Ita)**

WING

BLOOD SUPPLY

The origin of the endothelium in the developing marginal vein of the chick wing-bud. Wilson D. **Cell Differ** 1983 Sep;13(1):63–7

CYTOLOGY

DNA replication and pattern regulation in the imaginal wing disc of Drosophila. Adler PN. **Dev Biol** 1984 Apr; 102(2):300–8
Regulative interactions between cells of wing discs from different dipteran species. Williams J, et al. **Dev Biol** 1984 Sep;105(1):227–33

EMBRYOLOGY

On the determination of mesodermal tissues in the avian embryonic wing bud. Wachtler F, et al. **Anat Embryol (Berl)** 1981;161(3):283–9
An analysis of the fate of the chick wing bud apical ectodermal ridge in culture. Boutin EL, et al. **Dev Biol** 1984 Jul;104(1):111–6
The formation of supernumerary structures after grafting anterior quail wing bud mesoderm of various ages into chick wing buds. Carlson BM. **Dev Biol** 1984 Jan; 101(1):97–105
The preservation of the ability of cultured quail wing bud mesoderm to elicit a position-related differentiative response. Carlson BM. **Dev Biol** 1984 Jan;101(1):106–15
Anatomy of the zeugopodium and autopodium of the wing. II. Development of muscle groups and individual muscles of the autopodium of the chick wing during ontogenesis. Klepáček I. **Folia Morphol (Praha)** 1983;31(3):240–9
Myogenic cell movement in the developing avian limb bud in presence and absence of the apical ectodermal ridge (AER). Gumpel-Pinot M, et al. **J Embryol Exp Morphol** 1984 Apr;80:105–25
The effect of local application of retinoic acid to the anterior margin of the developing chick limb. Summerbell D. **J Embryol Exp Morphol** 1983 Dec;78:269–89
Development of the apical ectodermal ridge in the chick wing bud. Todt WL, et al. **J Embryol Exp Morphol** 1984 Apr;80:21–41
Posterior-to-anterior transformation in engrailed wing

imaginal disks of Drosophila. Brower DL. **Nature** 1984 Aug 9–15;310(5977):496–7
The prospective skeletal areas of the chick wing bud: their location and time of determination in the limb field. Hinchliffe JR, et al. **Prog Clin Biol Res** 1984;151:453–70

GROWTH & DEVELOPMENT

Modification of cell growth and longevity using an in vivo assay in Drosophila melanogaster. Thompson JN Jr, et al. **Growth** 1984 Spring;48(1):86–92
Colour pattern modification by coldshock in Lepidoptera. Nijhout HF. **J Embryol Exp Morphol** 1984 Jun;81:287–305
Genetic and developmental characteristics of the homeotic mutation bx1 of Drosophila. Sánchez-Herrero E, et al. **J Embryol Exp Morphol** 1983 Aug;76:251–64
Computer simulation of compartment maintenance in the Drosophila wing imaginal disc. Matela RJ, et al. **J Theor Biol** 1983 Aug 7;103(3):357–78

INNERVATION

Neuron differentiation and axon growth in the developing wing of Drosophila melanogaster. Murray MA, et al. **Dev Biol** 1984 Aug;104(2):259–73
Organization of the muscles, nerve endings and main nerve trunks in chick wing with experimentally altered orientation. Klepáček I, et al. **Folia Morphol (Praha)** 1984; 32(2):121–33

PHYSIOLOGY

Localized cell death in Drosophila imaginal wing disc epithelium caused by the mutation apterous-blot. Sedlak BJ, et al. **Dev Biol** 1984 Aug;104(2):489–96
Comparative analysis of the development of wing-flapping and flight in the fowl. Provine RR, et al. **Dev Psychobiol** 1984 Jan;17(1):1–10

RADIATION EFFECTS

Ultrastructure of cell death in gamma- or X-irradiated imaginal wing discs of Drosophila. Abbott LA. **Radiat Res** 1983 Dec;96(3):611–27

WIRSUNG'S DUCT see **PANCREATIC DUCTS**

WIT AND HUMOR

QUAC: a modest proposal for optimal use of CT scanning equipment (a parody). Reid MH, et al. **AJR** 1984 Apr; 142(4):845–6
A 'Swift' medical fantasy. Barker WF. **Am J Surg** 1984 Jul; 148(1):2–6
A modest proposal for preventing the medically indigent of our state from being a burden to their family or fellow citizens. Dugan NL. **Ariz Med** 1984 Aug;41(8):548–51
A critical carol. Being an essay on anemia, suffocation, starvation, and other forms of intensive care, after the manner of Dickens. Bartlett RH. **Chest** 1984 May; 85(5):687–93
Ego niches. Morowitz HJ. **Hosp Pract [Off]** 1984 Aug; 19(8):185, 189–90
Coffee. Morowitz HJ. **Hosp Pract [Off]** 1984 Sep; 19(9):203,208
The Ever Normal Mammary. Ball P. **Indiana Med** 1984 Jan; 77(1):46
The serious import of humour in health visiting. Warner U. **J Adv Nurs** 1984 Jan;9(1):83–7
Humor & self-disclosure within the milieu. Warner SL. **J Psychosoc Nurs Ment Health Serv** 1984 Apr;22(4):17–21
Humor and other communication preferences in physician-patient encounters. Linn LS, et al. **Med Care** 1983 Dec;21(12):1223–31
'Cephalomalacia obfuscate,' a fourth generation cephalosporin. Rubin BK. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):424–5
Influence of trait anxiety on perception of humor. Blank AM, et al. **Percept Mot Skills** 1983 Aug;57(1):103–6
Tobias Smollett, M.D.—expert on the body—and the bawdy. Poirier S. **Pharos** 1984 Winter;47(1):17–22
Disseminated intracurricular fragmentation. Powell RD. **Pharos** 1984 Winter;47(1):35–6
Laughter and suffering: Sinhalese interpretations of the use of ritual humor. Rhodes LA. **Soc Sci Med** 1983; 17(14):979–84
[Digitocaudication as a prerequisite for a smooth swinging-overhanding-jumping-flying technic of the latter pedagonic chimpansopede 'Pedipan satyrus digiticaudatus'] Bährens FW. **Z Orthop** 1984 Jan–Feb;122(1):114–21 (Eng. Abstr.) **(Ger)**
[Humorous pages by a whimsical ship's doctor, Ezzelino Magli] Rocchietta S. **Minerva Med** 1984 Mar 31;75(13):761 **(Ita)**
[Curing through happiness] de la Mata Vila M. **Actas Luso Esp Neurol Psiquiatr** 1984 Mar–Apr;12(2):131–4 **(Spa)**

WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

WITTENBORN SCALES see under **PSYCHIATRIC STATUS RATING SCALES**

WOLFF-PARKINSON-WHITE SYNDROME

Ectopic left atrial rhythm that produces QRS changes in absence of Wolff-Parkinson-White syndrome. Zaman L, et al. **Circulation** 1983 Oct;68(4):701–6
Experimental ventricular preexcitation—type WPW syndrome. Cotoi S, et al. **Physiologie** 1984 Jan–Mar; 21(1):21–4

COMPLICATIONS

Coexistent arrhythmogenic right ventricular dysplasia and Wolff-Parkinson-White syndrome. Frais MA, et al. **Am J Cardiol** 1984 Feb 1;53(4):632–4
Preexcited reciprocating tachycardia in patients with Wolff-Parkinson-White syndrome: incidence and mechanisms. Bardy GH, et al. **Circulation** 1984 Sep; 70(3):377–91
Ventricular pre-excitation. Ward D. **Eur Heart J** 1984 Mar; 5 Suppl A:119–24 (58 ref.)
Electrophysiologic basis for the suppression by amiodarone of orthodromic supraventricular tachycardias complicating pre-excitation syndromes. Feld GK, et al. **J Am Coll Cardiol** 1984 May;3(5):1298–307
Junctional premature beats unmasking myocardial infarction in WPW syndrome. Balasubramanian R, et al. **J Assoc Physicians India** 1983 Nov;31(11):741–2
Syncope in the Wolff-Parkinson-White syndrome: incidence and electrophysiologic correlates. Yee R, et al. **PACE** 1984 May;7(3 Pt 1):381–8
Amiodarone in control of sustained tachyarrhythmias in children with Wolff-Parkinson-White syndrome. Shahar E, et al. **Pediatrics** 1983 Dec;72(6):813–6
Paroxysmal atrial fibrillation in Wolff-Parkinson-White syndrome. Wang JL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1983 Dec;82(12):1279–87
[1:1 atrial flutter in an elderly patient: one of the methods of discovering Wolff-Parkinson-White syndrome. Apropos of a case in an adult] Parmeggiani L, et al. **Arch Mal Coeur** 1984 Jan;77(1):111–7 (Eng. Abstr.) **(Fre)**
[Unusual mechanism of reciprocating tachycardia in a case of ventricular preexcitation resistant to preventive anti-arrhythmia therapy] Anastasio R, et al. **G Ital Cardiol** 1983 Aug;13(8):133–7 (Eng. Abstr.) **(Ita)**
[WPW syndrome and sinus node dysfunction] Cristallo E, et al. **Minerva Cardioangiol** 1984 Jun;32(6):345–53 (Eng. Abstr.) **(Ita)**
[Case of Wolff-Parkinson-White syndrome with enhanced A-V nodal conduction] Mitsui T, et al. **Kokyu To Junkan** 1983 Aug;31(8):915–20 (Eng. Abstr.) **(Jpn)**
[A successful case of tricuspid valve replacement, His bundle interruption and A-V sequential pacemaker implantation for Ebstein's anomaly with WPW syndrome] Fujiwara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):82–7 (Eng. Abstr.) **(Jpn)**
[Surgical interruption of accessory atrioventricular pathway and orthotopical implantation of St. Jude Medical valvular prosthesis in a patient with Ebstein's anomaly and concealed Wolff-Parkinson-White syndrome] Shibasaki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jan; 32(1):97–101 (Eng. Abstr.) **(Jpn)**
[Case of type-A Wolff-Parkinson-White (WPW) syndrome with dual atrioventricular nodal pathways] Hayano M, et al. **Nippon Naika Gakkai Zasshi** 1983 Dec;72(12):1756–61 **(Jpn)**
[Atrial fibrillation in patients with the Wolff-Parkinson-White syndrome: electrophysiologic mechanisms, diagnosis, features of the course] Golitsyn SP, et al. **Ter Arkh** 1983;55(11):48–52 (Eng. Abstr.) **(Rus)**

CONGENITAL

[An intrapartal silent oscillation type in fetal Wolff-Parkinson-White syndrome] Reijnders FJ, et al. **Z Geburtshilfe Perinatol** 1984 Jan–Feb;188(1):45–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Longitudinal dissociation in an anomalous accessory atrioventricular pathway. Belhassen B, et al. **Am Heart J** 1983 Dec;106(6):1441–3
Transesophageal study of infant supraventricular tachycardia: electrophysiologic characteristics. Benson DW Jr, et al. **Am J Cardiol** 1983 Nov 1;52(8):1002–6
Observations on the antidromic type of circus movement tachycardia in the Wolff-Parkinson-White syndrome. Kuck KH, et al. **J Am Coll Cardiol** 1983 Nov;2(5):1003–10
EKG of the month. Preexcitation syndrome—type A. Campbell WB. **J Tenn Med Assoc** 1984 Aug;77(8):472–3
EKG of the month. Wolff-Parkinson-White syndrome. Baker CE, et al. **Nurse Pract** 1984 May;9(5):64
Wolff-Parkinson-White syndrome. Bauernfeind RA, et al. **PACE** 1983 Sep;6(5 Pt 2):1029–34
Significance of QRS transition zone to the right on the chest in cases with short P-R interval. Mihaela T, et al. **Physiologie** 1984 Apr–Jun;21(2):89–92
[Ventricular pre-excitation revealed by idioventricular rhythm and large QRS tachycardias. Apropos of an operated case] Weissenburger J, et al. **Arch Mal Coeur** 1983 Jun;76(6):739–46 (Eng. Abstr.) **(Fre)**
[Phase analysis in gated blood pool tomography: detection of an accessory conduction pathway] Nakajima K, et al. **Kaku Igaku** 1984 Feb;21(2):133–9 (Eng. Abstr.) **(Jpn)**
[Epicardiac mapping in premature ventricular excitation syndrome. I. Method and technic of epicardiac mapping] Bokeriia LA, et al. **Kardiologiia** 1983 Nov;23(11):31–6 (Eng. Abstr.) **(Rus)**
[Diagnosis of the early ventricular repolarization syndrome] Skorobogatyĭ AM. **Ter Arkh** 1984;56(4):122–4 (Eng. Abstr.) **(Rus)**
[The ajmaline test in the association of hypertrophic cardiomyopathy and the pre-excitation syndrome] Suárez LD, et al. **Medicina (B Aires)** 1983;43(2):203–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ethmozin. I. Effects of intravenous drug administration on paroxysmal supraventricular tachycardia in the ventricular preexcitation syndrome. Chazov EI, et al. **Am Heart J** 1984 Sep;108(3 Pt 1):475–82
Efficacy of amiodarone in the Wolff-Parkinson-White syndrome with rapid ventricular response via accessory pathway during atrial fibrillation. Kappenberger LJ, et al. **Am J Cardiol** 1984 Aug 1;54(3):330–5
Atrial flutter in Wolff-Parkinson-White syndrome responding to intravenous disopyramide. Chia BL, et al. **Chest** 1984 Jun;85(6):820–1
Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff-Parkinson-White syndrome. Prystowsky EN, et al. **Circulation** 1984 Feb;69(2):278–87
[Personal experience with the use of Lorcainide in the treatment of Wolff-Parkinson-White syndrome in infants and older children] Bartáková H, et al. **Cesk Pediatr** 1983 Jul;38(7):421–6 (Eng. Abstr.) **(Cze)**

EMBRYOLOGY

[Pre-excitation syndromes (I): Embryology and anatomical basis] Vergara de Campos A, et al. **Rev Clin Esp** 1984 Apr 30;173(2):69–72 (21 ref.) **(Spa)**

ETIOLOGY

Preexcitation syndromes. Mechanisms and management. Prystowsky EN, et al. **Med Clin North Am** 1984 Jul; 68(4):831–93 (153 ref.)
[Premature ventricular excitation in bundle-branch blocks] Kubik L, et al. **Kardiol Pol** 1983;26(11–12):761–7 (Eng. Abstr.) **(Pol)**
[Premature excitation of the ventricular myocardium in restricted adhesive pericarditis] Gusmanov VA, et al. **Kardiologiia** 1983 Jul;23(7):97–9 **(Rus)**

FAMILIAL & GENETIC

Familial hypertrophic cardiomyopathy and preexcitation. Hauser AM, et al. **Am Heart J** 1984 Jan;107(1):176–9

HISTORY

Wolff-Parkinson-White syndrome: long follow-up and an Anglo-American historical note. Krikler DM. **J Am Coll Cardiol** 1983 Dec;2(6):1216–8

PATHOLOGY

[Pre-excitation syndromes (II): Evolution, current concept and pathogenic mechanisms] Vergara de Campos A, et al. **Rev Clin Esp** 1984 Apr 30;173(2):73–7 (34 ref.) (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Unusual features of bypass conduction in Wolff-Parkinson-White syndrome and atrial fibrillation. Peters RW, et al. **Am J Cardiol** 1983 Dec 1;52(10):1357–9
Concealed conduction preventing anterograde preexcitation in Wolff-Parkinson-White syndrome. Prystowsky EN, et al. **Am J Cardiol** 1984 Mar 15;53(7):960–1
The AJC in September 1959. Scheinman MM. **Am J Cardiol** 1984 Sep 1;54(6):702–3
Functional properties of accessory atrioventricular pathways in Wolff-Parkinson-White syndrome. Clinical implications. German LD, et al. **Am J Med** 1984 Jun;76(6):1079–86
Swallowing induced atrial tachycardia and fibrillation in a patient with a Wolf-Parkinson-White syndrome. Keidar S, et al. **Am J Med Sci** 1984 Jul–Aug;288(1):32–4
Identification of multiple pathways in the Wolff-Parkinson-White syndrome. Diagnostic problems and therapeutic implications. Edvardsson N, et al. **Cardiology** 1984;71(1):20–9
Concealed conduction in accessory atrioventricular pathways: an important determinant of the expression of arrhythmias in patients with Wolff-Parkinson-White syndrome. Klein GJ, et al. **Circulation** 1984 Sep; 70(3):402–11
A comparison of the electrophysiologic effects of intravenous and oral amiodarone in the same patient. Wellens HJ, et al. **Circulation** 1984 Jan;69(1):120–4
Effects of flecainide on electrophysiological properties of accessory pathways in the Wolff-Parkinson-White syndrome. Neuss H, et al. **Eur Heart J** 1983 May; 4(5):347–53
EKG of the month: Pre-excitation or Wolff-Parkinson-White syndrome. **IMJ** 1984 Mar;

165(3):161, 165

Multiple circus movement tachycardias with multiple accessory pathways. Heddle WF, et al. **J Am Coll Cardiol** 1984 Jul;4(1):168–75

Blocking effect of verapamil on conduction over a catecholamine-sensitive bypass tract in exercise-induced Wolff–Parkinson–White syndrome. Horio Y, et al. **J Am Coll Cardiol** 1984 Jul;4(1):186–91

Hyperbaric intrathecal morphine analgesia during labor in a patient with Wolff–Parkinson–White syndrome. Brizgys RV, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):44S–46S

Non-invasive recording of His bundle activity in patients with Wolff–Parkinson–White syndrome. Abboud S, et al. **PACE** 1984 Jan;7(1):40–5

Right atrial-ventricular dissociation and entrainment while pacing from high right atrium and coronary sinus during circus movement tachycardias. Portillo B, et al. **PACE** 1984 Jul;7(4):710–9

Irregular pacemaker tachycardia in a patient with WPW syndrome and an A–V universal pacemaker. Wehr M, et al. **PACE** 1984 May;7(3 Pt 1):320–4

[Exercise test in isolated anomalies of auriculo-ventricular conduction in children and adolescents. Value in idiopathic auriculo-ventricular blocks and ventricular pre-excitation syndromes] Matina D, et al. **Arch Mal Coeur** 1984 May; 77(5):550–6 (Eng. Abstr.) **(Fre)**

[Study of patients with high-risk Wolff–Parkinson–White syndrome and indications for a definitive electric treatment] Leclercq JF, et al. **G Ital Cardiol** 1983;13(6):492–7 **(Fre)**

[Response to maximal exertion in subjects with the Wolff–Parkinson–White syndrome] Egloff C, et al. **Boll Soc Ital Cardiol** 1983 Jul;28(7):613–8 (Eng. Abstr.) **(Ita)**

[Echocardiographic studies on Wolff–Parkinson–White syndrome] Matsuzaki H. **Kokyu To Junkan** 1983 Nov; 31(11):1233–9 (Eng. Abstr.) **(Jpn)**

[Atrial hyperexcitability provoked by stimulation—clinical aspects] Trusz-Gluza M, et al. **Kardiol Pol** 1984; 27(3):169–74 (Eng. Abstr.) **(Pol)**

[Atrial hyperexcitability provoked by stimulation—electrophysiological aspects] Trusz-Gluza M, et al. **Kardiol Pol** 1984;27(3):161–7 (Eng. Abstr.) **(Pol)**

[Coexistence of types A and B of Wolff–Parkinson–White syndrome with isolated and alternating phenomena] de Mesquita QH. **Arq Bras Cardiol** 1984 Mar;42(3):205–7 (Eng. Abstr.) **(Por)**

[Epicardial mapping in the syndrome of premature ventricular excitation. 2.] Bokeriia LA, et al. **Kardiologiia** 1984 Mar;24(3):56–63 (Eng. Abstr.) **(Rus)**

[The middle and terminal part of the initial ventricular complex in the W–P–W picture] Cagáň S, et al. **Bratisl Lek Listy** 1984 Jun;81(6):651–62 (Eng. Abstr.) **(Slo)**

[Pre-excitation syndromes (III): Incidence and clinical and electrocardiographic features in our milieu] Vergara de Campos A, et al. **Rev Clin Esp** 1984 Apr 30;173(2):79–83 (Eng. Abstr.) **(Spa)**

[Pre-excitation syndromes (IV): clinic-electrocardiographic correlations] Vergara de Campos A, et al. **Rev Clin Esp** 1984 May 15;173(3):143–7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Localization of accessory pathways in Wolff–Parkinson–White syndrome by phase imaging. Rakovec P, et al. **Cardiology** 1983;70(3):138–44

RADIONUCLIDE IMAGING

Phase image evaluation of patients with ventricular pre-excitation syndromes. Botvinick E, et al. **J Am Coll Cardiol** 1984 Mar;3(3):799–814

Phase analysis in the Wolff–Parkinson–White syndrome with surgically proven accessory conduction pathways: concise communication. Nakajima K, et al. **J Nucl Med** 1984 Jan; 25(1):7–13

[Phase analysis in patients with Wolff–Parkinson–White syndrome: correlations to surgically confirmed accessory conduction pathways] Nakajima K, et al. **Kaku Igaku** 1983 Sep;20(8):1101–6 (Eng. Abstr.) **(Jpn)**

SURGERY

Coronary artery aneurysm complicating bypass tract surgery for the Wolff–Parkinson–White syndrome. Shuck JW, et al. **Am J Cardiol** 1984 Jan 15;53(2):344–5

Surgical repair of Wolff–Parkinson–White syndrome: a new closed-heart technique. Guiraudon GM, et al. **Ann Thorac Surg** 1984 Jan;37(1):67–71

The Wolff–Parkinson–white syndrome and the beginnings of direct arrhythmia surgery. Sealy WC. **Ann Thorac Surg** 1984 Aug;38(2):176–80

Surgical treatment of Wolff–Parkinson–White (WPW) syndrome. Zhang QF, et al. **Chin Med J [Engl]** 1983 Sep; 96(9):695–7

Closed heart surgery for Wolff–Parkinson–White syndrome. Guiraudon GM, et al. **Int J Cardiol** 1984 Mar;5(3):387–91

Surgical correction of the Wolff–Parkinson–White syndrome in the closed heart using cryosurgery: a simplified approach. Klein GJ, et al. **J Am Coll Cardiol** 1984 Feb; 3(2 Pt 1):405–9

The case of the fisherman with the fast pulse and the beginning of arrhythmia surgery. Sealy WC. **NC Med J** 1983 Aug;44(8):489–90

[Surgical atrioventricular disconnection in Wolff–Parkinson–White syndrome] Pavie A, et al. **Arch Mal Coeur** 1984 Jun;77(6):606–15 (Eng. Abstr.) **(Fre)**

[Surgical treatment of W–P–W syndrome with multiple atrioventricular accessory conduction pathways and long conduction time] Mukai K, et al. **Kokyu To Junkan** 1983 Jul;31(7):803–9 (Eng. Abstr.) **(Jpn)**

[A case of WPW syndrome with double accessory conduction pathways (ACPs)] Imazeki T, et al. **Kyobu Geka** 1984 Mar;37(3):224–6 (Eng. Abstr.) **(Jpn)**

[One-step surgery for WPW syndrome complicated with aortic stenosis] Kamata E, et al. **Kyobu Geka** 1984 Jan; 37(1):69–72 (Eng. Abstr.) **(Jpn)**

[Application of CUSA system to cardiac surgery—division of Kent's bundle in WPW syndrome] Kawamura T, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):513–5 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of cardiac arrhythmias. Analysis of the technics used on 40 patients] Marcial MB, et al. **Arq Bras Cardiol** 1983 Mar;40(3):183–9 (Eng. Abstr.) **(Por)**

[Initial clinical experience in the surgical correction of resistant forms of tachyarrhythmias due to the pre-excitation syndrome in Ebstein's anomaly] Bokeriia LA, et al. **Grudn Khir** 1984 Mar–Apr;(2):5–10 (Eng. Abstr.) **(Rus)**

[Simultaneous surgical correction of Ebstein's anomaly and associated disorders of cardiac rhythm] Bokeriia LA, et al. **Grudn Khir** 1983 Sep–Oct;(5):31–3 **(Rus)**

[Surgical treatment of Wolff–Parkinson–White syndrome associated with an atrial septal defect] Poliakov VP, et al. **Grudn Khir** 1984 May–Jun;(3):73 **(Rus)**

THERAPY

Transvenous catheter ablation of a posteroseptal accessory pathway in a patient with the Wolff–Parkinson–White syndrome. Morady F, et al. **N Engl J Med** 1984 Mar 15; 310(11):705–7

Management of arrhythmias due to accessory conduction pathways. Tonkin AM. **PACE** 1978 Oct;1(4):481–97 (94 ref.)

VETERINARY

Ventricular preexcitation in two horses. Muir WW, et al. **J Am Vet Med Assoc** 1983 Sep 1;183(5):573–6

The Wolff–Parkinson–White–syndrome. A rare ECG diagnosis in the dog. Tidholm A. **Nord Vet Med** 1983 Dec; 35(12):465–7

WOLFFIAN BODY see **MESONEPHROS**

WOLFFIAN DUCT

[A case of mesonephric adenocarcinoma arising from the Gartner's duct cyst] Nemoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2148–53 (Eng. Abstr.) **(Jpn)**

WOLFRAM see **TUNGSTEN**

WOMEN

Maternal employment and breastfeeding. A study of 567 women's experiences. Auerbach KG, et al. **Am J Dis Child** 1984 Oct;138(10):958–60

Going back to work. Davis AJ. **Am J Nurs** 1983 Dec; 83(12):1704, 1729

Women midshipmen in sports. Cox JS, et al. **Am J Sports Med** 1984 May–Jun;12(3):241–3

Women in pharmacy management—why not? Nice FJ, et al. **Am Pharm** 1984 Apr;NS24(4):50–5

Nutrition knowledge of a sample of urban women. Rahn MJ, et al. **Can J Public Health** 1984 Mar–Apr;75(2):123–7

Psychiatrists explore female model of self. Swartz J. **Can Med Assoc J** 1984 Jun 15;130(12):1608

Checking in: an alternative for latchkey kids. McKnight J, et al. **Child Today** 1984 May–Jun;13(3):23–5

Reported drinking practices amongst women working in the home. Chetwynd SJ, et al. **Community Health Stud** 1983 Oct;7(3):278–84

A dynamic analysis of women's employment exits. Felmlee DH. **Demography** 1984 May;21(2):171–83

Local labor markets, children and labor force participation of wives. Stolzenberg RM, et al. **Demography** 1984 May; 21(2):157–70

Differentials in the treatment of black female heroin addicts. Kail BL, et al. **Drug Alcohol Depend** 1984 Jan;13(1):55–63

Women at work. **Ergonomics** 1984 May;27(5):463–605

Women at work: summary and overview. Cox S, et al. **Ergonomics** 1984 May;27(5):597–605

Occupational health of women at work: some human-factors considerations. Mackay CJ, et al. **Ergonomics** 1984 May; 27(5):489–98

Women are not from Lilliput or Bedlam. Redgrove J. **Ergonomics** 1984 May;27(5):469–73

Women at work—ergonomic considerations. Ward JS. **Ergonomics** 1984 May;27(5):475–80

The focus of women in The American Fertility Society. Haseltine FP, et al. **Fertil Steril** 1984 Sep;42(3):345–7

Older women in single room occupant (SRO) hotels: a Seattle profile. Lally M, et al. **Gerontologist** 1979 Feb;19(1):67–73

Retirement plans of middle-aged married women. Shaw LB. **Gerontologist** 1984 Apr;24(2):154–9

Women health care managers: an economic and employment profile. Caplan DL, et al. **Health Care Manage Rev** 1984 Spring;9(2):29–38

Social networks among elderly women: implications for health education practice. Israel BA, et al. **Health Educ Q** 1983 Fall–Winter;10(3–4):173–203

Women and occupational health risks. **Hygie** 1983 Dec; 2(4):26–34

Women and the economics of aging. Estes CL, et al. **Int J Health Serv** 1984;14(1):55–68

Are women in female jobs for their health? A study of working conditions and health effects in the fish-processing industry in Quebec. Messing K, et al. **Int J Health Serv** 1983;13(4):635–48

The interactive effect of health status on work patterns among urban Puerto Rican women. Zambrana RE, et al. **Int J Health Serv** 1984;14(2):265–77

Male physicians and female health and sexuality in 19th century English and American society. Wattley LA. **J Adv Nurs** 1983 Sep;8(5):423–8

Women in leadership positions: a study of allied health chairpersons. Selker LG, et al. **J Allied Health** 1982 May; 11(2):77–87

21st Lenna Frances Cooper memorial lecture: nutrition research by and about women. Calloway DH. **J Am Diet Assoc** 1984 Jun;84(6):642–8

Making a difference in practice. Coryllos E. **J Am Med Wom Assoc** 1984 May–Jun;39(3):80, 106

Making a difference in health policy. Harris J. **J Am Med Wom Assoc** 1984 May–Jun;39(3):77–9

Women and mental health. Miller JB. **J Am Med Wom Assoc** 1984 May–Jun;39(3):97–8, 111

New partners in student branch development. Picinich SM. **J Am Med Wom Assoc** 1984 May–Jun;39(3):72, 90

Making a difference in research. Ramey E. **J Am Med Wom Assoc** 1984 May–Jun;39(3):74–6

Women in space: a medical perspective. Santy PA. **J Am Med Wom Assoc** 1984 Jan–Feb;39(1):13–7

Masculine and feminine personality attributes of dental students and their attitudes toward women's roles in society. Bebeau MJ, et al. **J Dent Educ** 1984 Jun; 48(6):309–14

The female homicide victim: trends in a metropolitan county from 1969 to 1980. Frazer M. **J Forensic Sci** 1983 Jul; 28(3):577–87

The displaced homemaker: a crisis of later life. Out of the home to where? Jacobs RH. **J Geriatr Psychiatry** 1982; 15(2):137–53

Determinants of the community living arrangements of older unmarried women. Soldo BJ, et al. **J Gerontol** 1984 Jul; 39(4):492–8

Shiftwork, equality and women. Brown D. **J Hum Ergol (Tokyo)** 1982;11 Suppl:475–82

Shift work in women and in elderly persons. Kolmodin-Hedman B. **J Hum Ergol (Tokyo)** 1982;11 Suppl:447–56

The fatigue and maternity disturbances of night workwomen. Uehata T, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:465–74

Conditions of working life of women textile workers in Thailand on day and shift work systems. Wongphanich M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:165–75

A well woman clinic in an inner-city general practice. Gardner K. **J R Coll Gen Pract** 1983 Nov;33(256):711–4

Disabled women: a new issue in education. Holcomb LP. **J Rehabil** 1984 Jan–Mar;50(1):18–22, 70

Maternity leaves and the Pregnancy Discrimination Act. Brucker MC, et al. **JOGN Nurs** 1983 Sep–Oct;12(5):341–3

Doctor Powser—dynamic role model (interview by Martha Climo). Powser R. **Mich Med** 1984 Feb;83(8):90–1

Medical and surgical considerations for women in spaceflight. Rock JA, et al. **Obstet Gynecol Surv** 1984 Aug;39(8):525–35

Pregnant workers have discrimination protection. Goerth CR. **Occup Health Saf** 1983 Oct;52(10):22–3

American Academy of Pediatrics Committee on Psychosocial Aspects of Child and Family Health: The mother working outside the home. **Pediatrics** 1984 Jun;73(6):874–5

A study of the child-care arrangements and the health status of pre-school children of employed women in Lagos. Oyediran MA, et al. **Public Health** 1983 Sep;97(5):267–74

Women and their health in the middle years: a Manitoba project. Kaufert PA. **Soc Sci Med** 1984;18(3):279–81

Female Social Security beneficiaries aged 62 or older, 1960–82. Lingg BA. **Soc Secur Bull** 1983 Sep;46(9):10–2

Pediatricians' attitudes toward maternal employment and substitute child care. Sinal SH, et al. **South Med J** 1984 Jun;77(6):726–9

Should women be admitted to medical school? The issue in the late 19th century. WEAVER B. **South Med J** 1984 May;77(5):623–5

Community characteristics, women's education, and fertility in Peru. Tienda M. **Stud Fam Plann** 1984 Jul–Aug; 15(4):162–9

Effect on the veterinary profession of the increasing numbers of women graduates. Wells BT. **Vet Rec** 1984 May 19; 114(20):488–90

Women as providers of health care. **WHO Chron** 1983; 37(4):134–8

[Female veterinary surgeons: a follow up study] Nicol J. **J S Afr Vet Assoc** 1983 Mar;54(1):3–10 (Eng. Abstr.) **(Afr)**

[Colpitis in women in various sections of the economy] Tsekov V, et al. **Akush Ginekol (Sofiia)** 1983;22(3):203–4 (Eng. Abstr.) **(Bul)**

[The image of women in a therapy group of alcoholics and neurotics] Haumonté MT, et al. **Ann Med Psychol (Paris)** 1984 Jan;142(1):47–60 (Eng. Abstr.) **(Fre)**

[Personal hygiene of working women] Biener K. **Off Gesundheitswes** 1984 Jun;46(6):268–72 **(Ger)**

[Women's role in post-harvest food preservation. Summary of 5 case studies and their follow-up] Tagle MA. **Arch Latinoam Nutr** 1983 Sep;33(3):487–500 **(Spa)**

EDUCATION

Simulation modeling perspectives of the Bangladesh family planning and female education system. Teel JH, et al. **Behav Sci** 1984 Jul;29(3):145–61

Muslim traditions and attitudes to female education. Siann G, et al. **J Adolesc** 1984 Jun;7(2):191–200

PSYCHOLOGY

Distress and the traditional female role: a comparison of Mexicans and Anglos. Ross CE, et al. **AJS** 1983 Nov; 89(3):670–82

Child care. Davis AJ. **Am J Nurs** 1984 Jun;84(6):793–4

Female dependency in context: some theoretical and technical considerations. Lerner HE. **Am J Orthopsychiatry** 1983 Oct;53(4):697–705

The myth of women's masochism. Caplan PJ. **Am Psychol** 1984 Feb;39(2):130–9 (35 ref.)

Assessing cohort birth expectations data from the Current Population Survey, 1971–1981. O'Connell M, et al. **Demography** 1983 Aug;20(3):369–84

Female employment and reproductive behavior in Taiwan, 1980. Stokes CS, et al. **Demography** 1983 Aug;20(3):313–31

Problems encountered by the single working mother. Beck J. **Ergonomics** 1984 May;27(5):577–84

Women and work stress: evidence from the 1946 birth cohort. Cherry N. **Ergonomics** 1984 May;27(5):519–26

Coping styles and vulnerability of women at work in residential settings. Defares PB, et al. **Ergonomics** 1984 May;27(5):527–45

Pressures on factory women: between the devil and the deep blue sea. Shimmin S. **Ergonomics** 1984 May;27(5):511–7

Work careers of ever married and never married retired women. Keating N, et al. **Gerontologist** 1983 Aug; 23(4):416–21

Female bartenders: their perspectives on bartending and alcohol use. Waring ML, et al. **Int J Addict** 1983 May; 18(4):455–64

The fifty-year-old woman and midlife stress. Campbell S. **Int J Aging Hum Dev** 1983–84;18(4):295–307

Grandma as revolutionary: elderly women and some modern patterns of social change. Roebuck J. **Int J Aging Hum Dev** 1983;17(4):249–66

Pathan women in Bradford—factors affecting mental health with particular reference to the effects of racism. Currer C. **Int J Soc Psychiatry** 1984 Spring;30(1–2):72–6

Analysis of demographic variables of women evaluated in a forensic psychiatry clinic in 1980 and 1981. Harmon RB, et al. **J Forensic Sci** 1983 Jul;28(3):560–71

The displaced homemaker: a crisis of later life. Leftover life to live: issues of entitlement, power and generativity. Alonso A. **J Geriatr Psychiatry** 1982;15(2):155–72

The displaced homemaker: a crisis of later life. The midlife years and after: opportunities and limitations: clinical issues. Notman MT. **J Geriatr Psychiatry** 1982;15(2):173–91

Unwanted sexual experiences of young women. Mims FH, et al. **J Psychosoc Nurs Ment Health Serv** 1984 Jun; 22(6):7–14

Self-reports of menstrual and nonmenstrual symptomatology in university-employed women. O'Rourke MW. **JOGN Nurs** 1983 Sep–Oct;12(5):317–24 (35 ref.)

What does woman want? Hackett E. **Med J Aust** 1984 May 12;140(10):607–9

What women will get. Hackett E. **Med J Aust** 1984 May 26;140(11):660–2

Benjamin Franklin as a psychotherapist: a forerunner of brief psychotherapy. Lipowski ZJ. **Perspect Biol Med** 1984 Spring;27(3):361–6

Stress in nurses and other working females. Posner I, et al. **Psychol Rep** 1984 Feb;54(1):210

Modification of life event questionnaires for use with female respondents. Norbeck JS. **Res Nurs Health** 1984 Mar; 7(1):61–71

Attributes of suicide in females. Bourque LB, et al. **Suicide Life Threat Behav** 1983 Summer;13(2):123–38

Sex, intimacy, and the older woman. Renshaw DC. **Women Health** 1983 Winter;8(4):43–54

[Problems associated with the requirement for an orgasm in women in relation to enlightened publicity] Tauš L. **Cesk Gynekol** 1983 Apr;48(3):200–2 **(Cze)**

[Christiane Olivier and the female Oedipus: a renewed contribution apropos of the psychologic evolution of women] Wallot H. **Union Med Can** 1984 Mar;113(3):226–30 (Eng. Abstr.) **(Fre)**

WOMEN PHYSICIANS see **PHYSICIANS, WOMEN**

WOMEN, WORKING see under **WOMEN**

WOMEN'S LIBERATION see **WOMEN'S RIGHTS**

WOMEN'S RIGHTS

'Women', not 'girls' [letter] Myers MF. **Can Med Assoc J** 1983 Nov 1;129(9):920–1

Woman's or baby's rights? Genes make the difference [letter] Nicholls PM, et al. **Can Med Assoc J** 1984 Sep 1;131(5):426, 428

The effects of the ERA experience on psychotherapy. Powers PS. **Curr Psychiatr Ther** 1983;22:31–7

The war between the women. Luker K. **Fam Plann Perspect** 1984 May–Jun;16(3):105–10

Black women in double jeopardy: a perspective on birth control. Gould KH. **Health Soc Work** 1984 Spring; 9(2):96–105

Feminist methodology in nursing research. Webb C. **J Adv Nurs** 1984 May;9(3):249–56

Do you feel a draft? Goodman E. **J Am Med Wom Assoc** 1983 Sep–Oct;38(5):139

Parallels in the changing roles of a woman and her family physician. Leaman TL. **J Fam Pract** 1983 Nov;17(5):929–30

The displaced homemaker: a crisis of later life. Leftover life to live: issues of entitlement, power and generativity. Alonso A. **J Geriatr Psychiatry** 1982;15(2):155–72

Shiftwork, equality and women. Brown D. **J Hum Ergol (Tokyo)** 1982;11 Suppl:475–82

Autonomy and motherhood. Guttman HA. **Psychiatry** 1983 Aug;46(3):230–5

Women, career changes, and the new self. An analysis of rhetoric. Rosenwald GC, et al. **Psychiatry** 1983 Aug; 46(3):213–29

Falling between the cracks: how health insurance discriminates against women. Kasper AS, et al. **Women Health** 1983 Winter;8(4):77–93 (60 ref.)

LEGISLATION & JURISPRUDENCE

GPs and their staff. Rights of the expectant mother: legal labyrinth. Ellis N. **Br Med J [Clin Res]** 1984 Aug 4; 289(6440):296–8

Hospital collections and gender neutrality. Bernstein AH. **Hospitals** 1984 Aug 1;58(15):87

Equality in insurance. England MJ. **J Am Med Wom Assoc** 1983 Nov–Dec;38(6):166, 169

The Norris decision. Yohalem MR. **Soc Secur Bull** 1984 Apr; 47(4):13–5

TRENDS

Fighting the feminization of poverty. England MJ. **J Am Med Wom Assoc** 1984 Mar–Apr;39(2):60–1

WOOD

Musculoskeletal diseases in lumber and wood products workers as identified through hospital records surveillance. Burkart JA. **Am J Ind Med** 1983;4(6):725–32

Cancer mortality among woodworkers. Stellman SD, et al. **Am J Ind Med** 1984;5(5):343–57

The role of dirt floors and of firewood in rural dwellings in the epidemiology of Chagas' disease in Costa Rica. Zeledón R, et al. **Am J Trop Med Hyg** 1984 Mar; 33(2):232–5

Plasma pentachlorophenol concentrations in calves exposed to treated wood in the environment. Osweiler GD, et al. **Am J Vet Res** 1984 Feb;45(2):244–6

Alterations in the antibacterial properties of rabbit pulmonary macrophages exposed to wood smoke. Fick RB Jr, et al. **Am Rev Respir Dis** 1984 Jan;129(1):76–81

Bacterial degradation of lignified wood cell walls in anaerobic aquatic habitats. Holt DM, et al. **Appl Environ Microbiol** 1983 Sep;46(3):722–7

Phaeomycotic cyst. A case with a lesion containing a wooden splinter. Iwatsu T, et al. **Arch Dermatol** 1984 Sep; 120(9):1209–11

Genotoxic exposure of workers creosoting wood. Bos RP, et al. **Br J Ind Med** 1984 May;41(2):260–2

Symptoms of vibration syndrome and radiographic findings in the wrists of lumberjacks. Härkönen H, et al. **Br J Ind Med** 1984 Feb;41(1):133–6

Adenocarcinoma of the ethmoid sinuses. A review of 28 cases with special reference to wood dust exposure. Klintenberg C, et al. **Cancer** 1984 Aug 1;54(3):482–8

Pulmonary histoplasmosis. A possible risk in people who cut decayed wood. Pladson TR, et al. **Chest** 1984 Sep; 86(3):435–8

Allergic contact dermatitis from Machaerium scleroxylum Tul. (Pao ferro) in a joinery shop. Beck MH, et al. **Clin Exp Dermatol** 1984 Mar;9(2):159–66

Contribution of wood combustion to indoor air pollution as measured by mutagenicity in Salmonella and polycyclic aromatic hydrocarbon concentration. Alfheim I, et al. **Environ Mutagen** 1984;6(2):121–30

Mutagenicity testing of high performance liquid chromatography fractions from wood stove emission samples using a modified Salmonella assay requiring smaller sample volumes. Alfheim I, et al. **Environ Mutagen** 1984; 6(1):91–102

Non-mutagenicity of some wood-related compounds in the bacterial/microsome plate incorporation and microsuspension assays. Mohtashamipur E, et al. **Int Arch Occup Environ Health** 1984;54(1):83–90

Current and projected impacts of residential wood combustion on Pacific Northwest air quality. Core JE, et al. **J Air Pollut Control Assoc** 1984 Feb;34(2):138–43

Black walnut toxicosis in horses. Ralston SL, et al. **J Am Vet Med Assoc** 1983 Nov 15;183(10):1095

Timber frame construction. Keyworth B. **J R Soc Health** 1984 Aug;104(4):135–7

Persistence of tetrachlorophenol and pentachlorophenol in exposed woodworkers. Kalman DA, et al. **J Toxicol Clin Toxicol** 1983 Jun;20(4):343–52

Seasonal arsenic exposure from burning chromium–copper–arsenate-treated wood. Peters HA, et al. **JAMA** 1984 May 11;251(18):2393–6

Residential firewood use [letter] Bailey MR. **Science** 1984 Feb 17;223(4637):716–7

Evaluation of the pulmonary effects of wood smoke in guinea pigs by repeated CO2 challenges. Wong KL, et al. **Toxicol Appl Pharmacol** 1984 Aug;75(1):69–80

The effect of soft-wood sawdust bedding on the maturation of an infection of Schistosoma mansoni in mice exposed to cercariae via the tail or abdominal skin [letter] Wilson RA, et al. **Trans R Soc Trop Med Hyg** 1984;78(3):411–2

[Penicillium growing on wood-chips—mildew causing allergic alveolitis] van Assendelft AH, et al. **Duodecim** 1984; 100(3):158–60 **(Fin)**

[An unusual cause of acute respiratory insufficiency, massive inhalation of sawdust (letter)] Thaler F, et al. **Presse Med** 1984 Sep 1–8;13(30):1844–5 **(Fre)**

[Cocobolo wood, a forgotten eczematogen? Recent findings on the skin allergen of cocobolo wood (Dalbergia sp.)] Hausen BM, et al. **Derm Beruf Umwelt** 1983;31(4):110–7 (Eng. Abstr.) **(Ger)**

[Comparative studies on work load during wood chopping and logging] Ketkin AT, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):464–6 (Eng. Abstr.) **(Ger)**

[Occupational exposure to radiofrequency electromagnetic fields in metal, wood and plastic workshops in 16 plants] Terrana T, et al. **Med Lav** 1983 Sep–Oct;74(5):394–403 (Eng. Abstr.) **(Ita)**

[Case of occupational asthma in a lumber worker caused by lumber commonly called 'nara' imported from the Philippines] Tochigi T, et al. **Arerugi** 1983 Mar; 32(3):125–30 (Eng. Abstr.) **(Jpn)**

[Occupational damage of the sense of smell] Szmeja Z, et al. **Med Pr** 1984;35(1):47–9 (Eng. Abstr.) **(Pol)**

[Microbiological and clinical analysis disease cases caused by occupational contact with beech scraps in a cellulose plant] Dutkiewicz J, et al. **Pneumonol Pol** 1984 Feb; 52(2):57–69 (Eng. Abstr.) **(Pol)**

[Working conditions and health status of carpenters] Metliaev GN, et al. **Gig Sanit** 1983 Aug;(8):83–5 (3 ref.) **(Rus)**

WOOL

Estimation of genetic trend in a selected population with and without the use of a control population. Blair HT, et al. **J Anim Sci** 1984 Apr;58(4):878–86

Weight gain and movement patterns of very low birthweight babies nursed on lambswool. Scott S, et al. **Lancet** 1983 Oct 29;2(8357):1014–6

Effect of a fleecy woollen underlay on sleep. Dickson PR. **Med J Aust** 1984 Jan 21;140(2):87–9

The effect of shearing on the concentration of cortisol and thyroid hormones in the blood plasma of sheep. Pierzchala K, et al. **Zentralbl Veterinarmed [A]** 1983 Dec;30(10):749–59

[Detection of C. burnetii in wool swabs from naturally infected goats using a volumetric method of immunofluorescent analysis] Iablonskaia VA, et al. **Tr Inst Pastera** 1983;60:73–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Treatment of ewes at different stages of pregnancy with epidermal growth factor: effects on wool growth and plasma concentrations of growth hormone, prolactin, placental lactogen and thyroxine and on foetal development. Moore GP, et al. **Acta Endocrinol (Copenh)** .984 Apr;105(4):558–66

Changing pattern of the serum proteins in asymptomatic sheep treated with cyclophosphamide for chemical shearing. Yegana Y, et al. **Br Vet J** 1983 Sep–Oct; 139(5):415–22

Effect of epidermal growth factor on wool fibre morphology and skin histology. McDonald BJ, et al. **Res Vet Sci** 1983 Jul;35(1):91–9

EMBRYOLOGY

Effects of maternal nutrition on the initiation of secondary wool f. 'licles in foetal sheep. Hutchison G, et al. **J Comp Pathol** 1983 Oct;93(4):577–83

GROWTH & DEVELOPMENT

Investigation of some amino acid analogues and metabolites as inhibitors of wool and hair growth. Reis PJ, et al. **Aust J Biol Sci** 1983;36(2):157–70

Inhibition of DNA synthesis in dermal tissue of merino sheep treated with depilatory doses of mouse epidermal growth factor. Panaretto BA, et al. **J Endocrinol** 1984 Jan; 100(1):25–31

Retardation of wool growth in Merino sheep caused by bacteria. Jansen BC, et al. **Onderstepoort J Vet Res** 1983 Dec;50(4):271–4

METABOLISM

Use of erythrocyte copper:zinc superoxide dismutase activity and hair or fleece copper concentrations in the diagnosis of hypocuprosis in ruminants. Suttle NF, et al. **Res Vet Sci** 1983 Jul;35(1):47–52

MICROBIOLOGY

Characterization of pseudomonads isolated from diseased fleece. London CJ, et al. **Appl Environ Microbiol** 1984 May; 47(5):993–7

Proteinases produced by pseudomonads isolated from sheep fleece. London CJ, et al. **Appl Environ Microbiol** 1984 Jan; 47(1):75–9

PHYSIOLOGY

The structural relation between intermediate filament proteins in living cells and the alpha-keratins of sheep wool. Weber K, et al. **EMBO J** 1982;1(10):1155–60

WORD ASSOCIATION TESTS

Altered patterns of word associations in dementia and aphasia. Gewirth LR, et al. **Brain Lang** 1984 Mar; 21(2):307–17

Selective inhibition of vocal reaction time to aversive words in the left visual field. Martin DG, et al. **Int J Neurosci** 1984 Jun;23(3):177–85

Continued word association in hypothetically psychosis-prone college students. Miller EN, et al. **J Abnorm Psychol** 1983 Nov;92(4):468–78

Associative disturbance in schizophrenia, schizoaffective disorders, and major affective disorders: comparisons between hospitalization and 1-year follow-up. Rattenbury FR, et al. **J Consult Clin Psychol** 1983 Aug;51(4):621–3

On penetrating the 'mask': the role of sagacity and acumen in a word-association/clinical-judgment task. Dollinger SJ, et al. **J Pers Soc Psychol** 1984 Jan;46(1):145–52

Numbers of word associations to color patches and color names differ across two opponent pairs. Smith G, et al. **Percept Mot Skills** 1983 Aug;57(1):233–4

WORK

see related
EFFICIENCY

The sources of light and lighting at work. Lampi E. **Acta Ophthalmol [Suppl] (Copenh)** 1984;161:66–83

Quantification of human performance circadian rhythms. Freivalds A, et al. **Am Ind Hyg Assoc J** 1983 Sep; 44(9):643–8

Effects of respirators under heat/work conditions. James R, et al. **Am Ind Hyg Assoc J** 1984 Jun;45(6):399–404

A manual materials handling study of bag lifting. Smith JL, et al. **Am Ind Hyg Assoc J** 1984 Aug;45(8):505–8

Shift work. How does it affect you? Rose M. **Am J Nurs** 1984 Apr;84(4):442–7

An analysis of weekly instructional input hours and student work hours in occupational therapy fieldwork. Chung YI, et al. **Am J Occup Ther** 1983 Oct;37(10):681–7

Changing balance: environment and individual. Llorens LA. **Am J Occup Ther** 1984 Jan;38(1):29–34

Why study human occupation? Rogers JC. **Am J Occup Ther** 1984 Jan;38(1):47–9

A reaffirmed philosophy and practice of occupational therapy for the 1980s. West WL. **Am J Occup Ther** 1984 Jan;38(1):15–23

Dividing work, sharing work, and in-between: marriage patterns and depression. Ross CE, et al. **Am Sociol Rev** 1983 Dec;48(6):809–23

A 13-month work-leisure-sleep environment fungal survey. Rogers SA. **Ann Allergy** 1984 May;52(5):338–41

Night shift work. Michaels HE. **Ann Emerg Med** 1984 Mar; 13(3):201–2

Validity of oxygen consumption measurement at the workplace: what are we measuring? Malchaire J, et al. **Ann Occup Hyg** 1984;28(2):189–93

Evaluating the degree of concordance between employers' evaluations of work behavior. Rusch FR. **Appl Res Ment Retard** 1983;4(2):95–102

Long-range air capability and the South Atlantic Campaign. Nicholson AN. **Aviat Space Environ Med** 1984 Apr; 55(4):269–70

Measuring the activity of severely and profoundly mentally-handicapped adults in ordinary housing. Mansell J, et al. **Behav Res Ther** 1984;22(1):23–9

Are there permanent effects of night shift work on sleep? Webb WB. **Biol Psychol** 1983 May-Jun;16(3–4):273–83

Estimation of the energy expenditure during work. Boehlecke B. **Chest** 1984 Feb;85(2):147–8

Effects of work and motivation on the heart rates of chronic heat-exposed workers during their regular work shifts. Gertner A, et al. **Ergonomics** 1984 Feb;27(2):135–46

Water and electrolyte balance in workers exposed to a hot environment during their work shift. Gertner A, et al. **Ergonomics** 1984 Feb;27(2):125–34

Subjective discomfort in a simulated repetitive task. Kuorinka I. **Ergonomics** 1983 Nov;26(11):1089–101

Morningness-eveningness preferences and sleep-waking dairy data of morning and evening types in student and worker samples. Mecacci L, et al. **Ergonomics** 1983 Dec; 26(12):1147–53

Circulatory responses to machine-paced and self-paced work: an industrial study. Salvendy G, et al. **Ergonomics** 1983 Jul;26(7):713–7

The effect of preceding anaerobic exercise on aerobic and anaerobic work. Pendergast D, et al. **Eur J Applied Physiol** 1983;52(1):29–35

Acquisition performance by mentally retarded children and young adults on a complex benchwork task. Lynch KP. **Except Child** 1984 Feb;50(5):444–8

Work schedules and sleep. Akerstedt T. **Experientia** 1984 May 15;40(5):417–22 (83 ref.)

Night shift paralysis. Folkard S, et al. **Experientia** 1984 May 15;40(5):510–2

Circadian rhythm of working capacity, sympathicoadrenal activity, and myocardial infarction. Ganelina IE, et al. **Hum Physiol** 1983 Mar-Apr;9(2):113–20

Health risks related to shift work. An example of time-contingent effects of long-term stress. Koller M. **Int Arch Occup Environ Health** 1983;53(1):59–75

The interactive effect of health status on work patterns among urban Puerto Rican women. Zambrana RE, et al. **Int J Health Serv** 1984;14(2):265–77

Relationship between work load, pedal frequency, and physical fitness. Böning D, et al. **Int J Sports Med** 1984 Apr;5(2):92–7

Skill deficits and male adolescent delinquency. Dishion TJ, et al. **J Abnorm Child Psychol** 1984 Mar;12(1):37–54

Effects of labelling on income, work and social function among hypertensive employees. Johnston ME, et al. **J Chronic Dis** 1984;37(6):417–23

A study of the enquiry workload in a regional drug information centre. Brandon M. **J Clin Hosp Pharm** 1984 Jun;9(2):127–31

Psychotherapy of the elderly. A miserable old age—what can therapy do? Kahana RJ. **J Geriatr Psychiatry** 1983; 16(1):7–38

Work ethic, daily activities, and retirement satisfaction. Hooker K, et al. **J Gerontol** 1984 Jul;39(4):478–84

Shiftwork: its practice and improvement. Proceedings of the Sixth International Symposium on Night and Shift Work. Kyoto, 30 August-1 September 1982 **J Hum Ergol (Tokyo)** 1982;11 Suppl:1–541

Characterising shiftwork patterns by the off-time-distribution. Adler A, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:409–15

Effects of night work on immunological circadian rhythm. Aizawa Y, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:121–9

Towards a synthesis of research findings for application with shiftworkers. Bennett S, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:13–9

Continuous shiftworking in process industries: does firm efficiency imply high human costs? Besseyre des Horts C. **J Hum Ergol (Tokyo)** 1982;11 Suppl:429–40

Shiftwork, equality and women. Brown D. **J Hum Ergol (Tokyo)** 1982;11 Suppl:475–82

Conditions of work and life of shift workers in industry in developing countries. Dumont C. **J Hum Ergol (Tokyo)** 1982;11 Suppl:499–505

Working conditions of the shift workers of the metropolitan area Sao Paulo, Brazil. Fischer FM. **J Hum Ergol (Tokyo)** 1982;11 Suppl:177–93

Changes in sleep architecture associated with acute split-sleep. Fukuda H, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:245–57

Circadian variation of physiological functions in physically average and very fit dayworkers. Härmä MI, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:33–46

Sleep patterns and fatigue symptoms in permanent night workers and shift workers. Ishibashi T, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:317–23

Analysis of health records of day and shift furnace maintenance workers. Itani T, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:93–102

The twelve-hour shift revisited: recent trends in the electric power industry. Kelly RJ, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:369–84

Sleep disturbances and health complaints of shift workers. Khaleque A, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:155–64

Computerized construction of shift plans for continuous production which meet physiological, social, and legal requirements. Knauth P, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:441–6

Development of criteria for the design of shiftwork systems. Knauth P, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:337–67

Sleep problems in night and shift work. Kogi K. **J Hum Ergol (Tokyo)** 1982;11 Suppl:217–31

Shift work in women and in elderly persons. Kolmodin-Hedman B. **J Hum Ergol (Tokyo)** 1982;11 Suppl:447–56

Work and work capacity. Kusano K. **J Hum Ergol (Tokyo)** 1983 Sep;12(1):1–2

Shift work and coalmine accidents in Korea. Lee SH, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:87–92

Sociological observation of effects of shift work on the functions of the family. Lee TJ, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:519–26

Overview of shift work in developing countries. Mahathevan R. **J Hum Ergol (Tokyo)** 1982;11 Suppl:139–45

Shiftwork at hotels in Bali. Manuaba A. **J Hum Ergol (Tokyo)** 1982;11 Suppl:147–53

Effects of nighttime naps on sleep patterns of shiftworkers. Matsumoto K, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:279–89

Quantitative and qualitative aspects of sleep in 50–56 years old self-selected shiftworkers. Meulenbergs M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:457–64

Comparison between autorhythmometric methods and a baseline measurement of circadian rhythms in night-workers. Moog R, et al. **J Hum Ergol (Tokyo)** 1982; 11 Suppl:385–91

Circadian variation of cortisol and catecholamines following shifted wake-sleep schedules. Mori K. **J Hum Ergol (Tokyo)** 1982;11 Suppl:21–32

Restorative power of naps in designing continuous work schedules. Naitoh P, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:259–78

The effect of shift work on cellular immune function. Nakano Y, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:131–7

Measures suggested for improving working life of shift workers in Japan. Natsuhara O, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:507–18

Shiftwork in manufacturing industries in Singapore. Ong CN, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:209–16

Age and long term shiftwork with mental load: their effects on sleep. Pavard B, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:303–9

Industrial shift and night work practices in Asian developing countries. Perera SE. **J Hum Ergol (Tokyo)** 1982;11 Suppl:201–8

Sickness absence among shift workers in an industrially developing country. Reverente BR, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:195–200

Occupational health measures for night- and shiftworkers. Rutenfranz J. **J Hum Ergol (Tokyo)** 1982;11 Suppl:67–86

Ocular accommodation variability of visual inspection workers in shift work system. Saito M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:47–55

A permanent night work system in the electronics industry. Saito Y. **J Hum Ergol (Tokyo)** 1982;11 Suppl:399–407

Location-and-time budget in working consecutive night shifts. Sakai K, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:417–28

Individual differences in adapting to shift work. Sen RN, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:57–65

The daily work-load of the postal carrier. Shephard RJ. **J Hum Ergol (Tokyo)** 1982 Dec;11(2):157–64

A health profile of American flight attendants (FA). Smolensky MH, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:103–19

Shiftworker sleep strategies. Tepas DI. **J Hum Ergol (Tokyo)** 1982;11 Suppl:325–36

Adaptation to shiftwork: fact or fallacy? Tepas DI. **J Hum Ergol (Tokyo)** 1982;11 Suppl:1–12

Social support for night and shiftworkers. Thierry H, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:483–98

Effects of night shift on sleep patterns of nurses. Torii S, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:233–44

The fatigue and maternity disturbances of night workwomen. Uehata T, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:465–74

Patterns and duration of sleep in permanent security night guards. Vokac Z, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:311–6

Conditions of working life of women textile workers in Thailand on day and shift work systems. Wongphanich M, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:165–75

Physiological limits of locomotive drivers on successive night shifts in the People's Republic of China. Xia WS, et al. **J Hum Ergol (Tokyo)** 1982;11 Suppl:393–8

A formula for calculating faculty workload. Crawford ME, et al. **JNE** 1983 Sep;22(7):285–6

Work ability of the aged under conditions of improving mortality. Feldman JJ. **Milbank Mem Fund Q** 1983 Summer;61(3):430–44

What is a day's work? Corriveau CL, et al. **Nurs Outlook** 1983 Nov-Dec;31(6):335–9

Employees' health guarded through work restriction plans. Carmean G. **Occup Health Saf** 1984 Jun;:56–7, 59

Intervention on coronary risk factors by adapting a shift work schedule to biologic rhythmicity. Orth-Gomér K. **Psychosom Med** 1983 Oct;45(5):407–15

Long-term work stress. Brodsky CM. **Psychosomatics** 1984 May;25(5):361–4, 367–8

The relationship between work history, work environment and low-back pain in men. Damkot DK, et al. **Spine** 1984 May-Jun;9(4):395–9

Low-back pain in nurses and some loading factors of work. Videman T, et al. **Spine** 1984 May-Jun;9(4):400–4

The sociopsychology of work ethics. Campolo A. **Trans Stud Coll Physicians Phila** 1984 Jun;6(2):97–112

[Labor expenditure from the viewpoint of work standardization and planning for veterinary specialists in meat-packing combines] Iliev I, et al. **Vet Med Nauki** 1983; 20(9):106–12 (Eng. Abstr.) **(Bul)**

[Physical exertion of work and non-work activities of rural men] Kořenek J. **Cesk Zdrav** 1983 Jul;31(7):326–30 (Eng. Abstr.) **(Cze)**

[Cardiac rehabilitation: a 5-year follow-up study of mental functioning, work resumption, smoking habits and sports activities] Erdman RA, et al. **Ned Tijdschr Geneeskd** 1984 May 5;128(18):846–51 (Eng. Abstr.) **(Dut)**

[Resuming work and medical treatment following aortopulmonary bypass surgery] Carlier J. **Rev Med Liege** 1984 Mar 1;39(5):215–7 **(Fre)**

[Toward a universal, integrated and participative approach to questions on the humanization of work] Ramaciotti D. **Soz Praventivmed** 1984;29(2):88 **(Fre)**

[Resumption of work after the 1st myocardial infarct. Results of the Hamburg Infarct After-Care Study] Weiss B. **Dtsch Med Wochenschr** 1983 Dec 9;108(49):1872–5 (Eng. Abstr.) **(Ger)**

[The importance of depth perception in work-places and in road traffic] Hartmann E, et al. **Fortschr Ophthalmol** 1983; 80(6):496–7 (Eng. Abstr.) **(Ger)**

[Controversy and work in the ideologic area] Grohs N. **Z Gesamte Hyg** 1983 Oct;29(10):627–31 (Eng. Abstr.) **(Ger)**

[The significance of the Marxist doctrine for the theoretical principles of health planning of working and living conditions] Grosser J, et al. **Z Gesamte Hyg** 1983 Oct; 29(10):604–6 (Eng. Abstr.) **(Ger)**

[Work-energy expenditure of metallurgy occupations] von Peters H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Jan;34(1):16–20 **(Ger)**

[Long-term effects of irregular work schedules on health and attitude] Haider E, et al. **ZFA (Stuttgart)** 1983 Jul 31; 59(21):1171–5 **(Ger)**

[Microclimatic indexes and limits of safe exposure in work activity at risk of thermal stress] Marcaletti G, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):561–7 (Eng. Abstr.) **(Ita)**

[Control of cardiac frequency in work activity at risk of thermal stress] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):569–74 (Eng. Abstr.) **(Ita)**

[Duration limit of moderately heavy work activity in technically unfavorable environments] Terzi R, et al. **Boll Soc Ital Biol Sper** 1983 Oct 30;59(10):1486–91 (Eng. Abstr.) **(Ita)**

[Rehabilitative treatment of the handicapped. Work as rescue from a situation of isolation. Experience in the community of Capodarco] Cosentino F. **Clin Ter** 1983 Aug 31; 106(4):295–305 (Eng. Abstr.) **(Ita)**

[Myocardial infarct during the productive ages: considerations of resumption of work] Zanettini R, et al. **Med Lav** 1983 Sep–Oct;74(5):361–9 (Eng. Abstr.) **(Ita)**

[Effect of night-shift work on selected physiological indicators in power plant workers] Chiżyński K. **Med Pr** 1983;34(4):341–4 (Eng. Abstr.) **(Pol)**

[A device for measuring body posture during work] Marcinkowski JT, et al. **Med Pr** 1984;35(2):149–53 (Eng. Abstr.) **(Pol)**

[The pathology of work in Auschwitz-Birkenau] Kłodziński S, et al. **Przegl Lek** 1984;41(1):37–54 **(Pol)**

[Attitude to work of patients with chronic schizophrenia employed in sheltered workshops] Gawrońska B, et al. **Psychiatr Pol** 1983 May–Jun;17(3):241–7 (Eng. Abstr.) **(Pol)**

[Changes in the disposition to work during the 5-day school week] Goryński P, et al. **Rocz Panstw Zakl Hig** 1983; 34(2):209–12 (Eng. Abstr.) **(Pol)**

[Working conditions and their effect on the health status of the personnel of resuscitation, intensive therapy and anesthesiology departments] Kaptsov VA, et al. **Anesteziol Reanimatol** 1984 Mar–Apr;(2):3–6 (Eng. Abstr.) **(Rus)**

[Basic properties of the nervous system and their role in occupational activity] Makarenko NV. **Fiziol Zh** 1984 Jul–Aug;30(4):401–9 (37 ref.) (Eng. Abstr.) **(Rus)**

[Hygienic characteristics of polytechnical school work practice in an interschool vocational training center] Dronov IS, et al. **Gig Sanit** 1983 Nov;(11):38–40 (Eng. Abstr.) **(Rus)**

[Social psychology aspects of the work of medical workers] Kutsenko GI, et al. **Gig Sanit** 1983 Jun;(6):63–6 (50 ref.) **(Rus)**

[Optimization of the work of medical personnel] Kutsenko GI, et al. **Gig Sanit** 1983 Sep;(9):27–9 (Eng. Abstr.) **(Rus)**

[Work capacity of heat and electric power plant operators on 12-hour day and night shifts] Navakatikian AO, et al. **Gig Sanit** 1984 Mar;(3):88–9 **(Rus)**

[Characteristics of the statics of women workers in industrial enterprises and its effect on the course of pregnancy and labor] Pavlova LB. **Gig Sanit** 1983 Oct;(10):10–2 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the microclimate and the human thermal status in the performance of light work in Siberian enterprises] Repin GN. **Gig Sanit** 1983 Jul;(7):77–9 **(Rus)**

[Changes in the general immunological reactivity of the body and nervous system function during the student work semester] Sautkin MF, et al. **Gig Sanit** 1983 Nov;(11):91–2 **(Rus)**

[Effect of on-the-job gymnastics on work productivity of the lead workers of student construction brigades] Sergeev VN, et al. **Gig Sanit** 1984 May;(5):91–3 **(Rus)**

[Establishment of microclimate standards for industrial quarters taking into account the intensity of operator's work] Shleifman FM, et al. **Gig Sanit** 1983 Jul;(7):9–11 (Eng. Abstr.) **(Rus)**

[Effect of the intellectual load on the status of higher nervous activity and work capacity of technical school pupils] Vatchenko LG. **Gig Sanit** 1983 Jul;(7):64–8 **(Rus)**

[Level of health knowledge of coal miners of the Don Basin in regard to working conditions and age] Vinarik EM. **Gig Sanit** 1984 Jun;(6):36–8 **(Rus)**

[Physiological bases of work and rest schedules for operators employed in the oil-processing industry] Alekperov II, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):13–6 (Eng. Abstr.) **(Rus)**

[Use of the questionnaires in the study of working conditions of industrial workers] Charyev O. **Gig Tr Prof Zabol** 1984 Mar;(3):44–5 **(Rus)**

[Comparative dynamics of physiological indicators in female and male polishers] Khudaverdieva TM. **Gig Tr Prof Zabol** 1984 Jun;(6):12–3 (Eng. Abstr.) **(Rus)**

[Evaluation of the hardness and intensity of work of mail sorters and other post office employees] Kuchma VR. **Gig Tr Prof Zabol** 1983 Nov;(11):20–4 (Eng. Abstr.) **(Rus)**

[Changes in physiological indicators and metabolic processes in female workers on conveyer lines] Murza VA, et al. **Gig Tr Prof Zabol** 1984 Jun;(6):9–12 **(Rus)**

[Psychophysiologic aspects of working conditions of lumberjacks on fixed work schedules] Vendrov ZI, et al. **Gig Tr Prof Zabol** 1983 Nov;(11):16–9 (Eng. Abstr.) **(Rus)**

[Functional state and work capacity of man when breathing oxygen and hypoxic mixtures at excess pressure] Draguzia MD, et al. **Kosm Biol Aviakosm Med** 1984 May–Jun; 18(3):57–60 (Eng. Abstr.) **(Rus)**

[Principles of organizing efficient work and rest regimens for crews on prolonged space flights] Litsov AN, et al. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):9–12 (Eng. Abstr.) **(Rus)**

[Mental status and work capacity of crewmen at the Salute-6 space flight base] Miasnikov VI. **Kosm Biol Aviakosm Med** 1983 Nov–Dec;17(6):22–5 (Eng. Abstr.) **(Rus)**

[Effect of double-shift work on the circadian dynamics of rate of heart contraction] Shchukin AI. **Kosm Biol Aviakosm Med** 1984 Mar–Apr;18(2):63–6 (Eng. Abstr.) **(Rus)**

[Effect of shift work on the circadian dynamics of body temperature] Shchukin AI. **Kosm Biol Aviakosm Med** 1983 Jul–Aug;17(4):72–5 (Eng. Abstr.) **(Rus)**

[Utilization of work time by physicians and laboratory assistants in bacteriological laboratories] Bredneva EF, et al. **Lab Delo** 1983;(12):49–51 **(Rus)**

[The team form of work organization] Iurskova ZF. **Med Tekh** 1984 Jan–Feb;(1):46–50 **(Rus)**

[A scientific organization of labor (from the experience of the staff of the Klinsk glass factory)] Timoshenko VM. **Med Tekh** 1983 Sep–Oct;(5):47–51 **(Rus)**

[Hygienic aspects of youth work brigades] Kalaĭkova P, et al. **Probl Khig** 1983;8:138–43 (Eng. Abstr.) **(Rus)**

[Biological rhythms and organization of human life in space] Aliakrinskiĭ BS. **Probl Kosm Biol** 1983;4:1–246 (773 ref.) **(Rus)**

[Combined effect of work and domestic activity on morbidity levels with temporary loss of work capacity] Oshchepkov VI. **Sov Med** 1983;(7):74–6 **(Rus)**

[Use of a work time budget by rural district health officers in epidemiological health stations] Bredneva EF, et al. **Sov Zdravookhr** 1984;(7):15–21 **(Rus)**

[Working conditions and temporary loss of work capacity in agricultural machinery operators] Galuzova VG. **Sov Zdravookhr** 1984;(6):20–5 (Eng. Abstr.) **(Rus)**

[Scientific organization of work in clinical diagnostic laboratories] Makarovskiĭ VV. **Sov Zdravookhr** 1984; (7):21–7 (Eng. Abstr.) **(Rus)**

[Worktime expenditures by epidemiologists] Spotarenko SS, et al. **Sov Zdravookhr** 1983;(7):24–7 **(Rus)**

[Effect of work activity on thermal adaptation reactions in chronic nonspecific lung diseases] Klapchuk VV. **Vrach Delo** 1983 Dec;(12):70–2 (Eng. Abstr.) **(Rus)**

WORK CAPACITY EVALUATION see under **DISABILITY EVALUATION**

WORK OF BREATHING

Dyspnea, fatigue, and second wind. Scharf S, et al. **Am Rev Respir Dis** 1984 Feb;129(2 Pt 2):S88–9

Change in the work of breathing imposed by five anaesthetic breathing systems. Kay B, et al. **Br J Anaesth** 1983 Dec; 55(12):1239–47

Adaptations of quadriplegic men to consecutively loaded breaths. Axen K. **J Appl Physiol** 1984 Apr;56(4):1099–103

Ventilatory adjustments during sustained mechanical loading in conscious humans. Axen K, et al. **J Appl Physiol** 1983 Oct;55(4):1211–8

Effect of mechanical loading on breathing patterns in women. Axen K, et al. **J Appl Physiol** 1984 Jan;56(1):175–81

Immediate human breathing pattern responses to loads near the perceptual threshold. Daubenspeck JA, et al. **J Appl Physiol** 1983 Oct;55(4):1160–6

Respiratory muscle oxygen consumption estimated by the diaphragm pressure-time index. Field S, et al. **J Appl Physiol** 1984 Jul;57(1):44–51

Vagal feedback with expiratory threshold load under extracorporeal circulation. Jammes Y, et al. **J Appl Physiol** 1983 Aug;55(2):316–22

Expiratory threshold load under extracorporeal circulation: effects of vagal afferents. Jammes Y, et al. **J Appl Physiol** 1983 Aug;55(2):307–15

Effect of ethanol and naloxone on control of ventilation and load perception. Michiels TM, et al. **J Appl Physiol** 1983 Sep;55(3):929–34

Effect of background loading on perception of inspiratory loads. Revelette WR, et al. **J Appl Physiol** 1984 Feb; 56(2):404–10

Load compensation in obese patients during quiet tidal breathing. Sampson MG, et al. **J Appl Physiol** 1983 Oct; 55(4):1269–76

Effect of bronchomotor tone on work rate of breathing. Sekizawa K, et al. **J Appl Physiol** 1984 Jul;57(1):7–13

Model analysis of respiratory responses to inspiratory resistive loads. Zin WA, et al. **J Appl Physiol** 1983 Nov; 55(5):1565–73

Mechanics and energetics of breathing helium in infants with bronchopulmonary dysplasia. Wolfson MR, et al. **J Pediatr** 1984 May;104(5):752–7

Inspiratory and expiratory resistive loading as a model of dyspnea in asthma. Chapman KR, et al. **Respiration** 1983; 44(6):425–32

[Lung ventilation and mechanical properties in patients with disseminated tuberculosis] Bodrova TN. **Probl Tuberk** 1984 Mar;(3):33–6 (Eng. Abstr.) **(Rus)**

WORK SATISFACTION see **JOB SATISFACTION**

WORK SCHEDULE TOLERANCE see under **WORK**

WORK SIMPLIFICATION

Efficiency of the complex introduction of scientific organization of labour in curative-prophylactic institutions. Minakov VF. **Sante Publique (Bucur)** 1983;26(4):313–22

[Evaluation of the processes of mechanization and automation at industrial plants from the point of view of occupational hygiene] Iakimova LD. **Gig Tr Prof Zabol** 1984 Jun;(6):1–4 (Eng. Abstr.) **(Rus)**

[The role of robots in improving working conditions] Tsutskov ME. **Gig Tr Prof Zabol** 1984 Apr;(4):1–6 (Eng. Abstr.) **(Rus)**

[Organization of workplace for district physician-therapeutists and nurses] Zotov IuI, et al. **Sov Zdravookhr** 1984;(3):21–5 (Eng. Abstr.) **(Rus)**

WORKMEN'S COMPENSATION

see related
DISABILITY EVALUATION

Retirement disability among workers in a natural gas distribution company. Stanbury M, et al. **Am J Ind Med** 1983;4(5):641–50

Injuries, disabilities, and insurance (or where did all the farmers go?). Kam CC. **Hawaii Med J** 1983 Aug; 42(8):186–8

Worker injuries: the effects of Workers' Compensation and OSHA inspections. Robertson LS, et al. **J Health Polit Policy Law** 1983 Fall;8(3):581–97

Delayed recovery in the patient with a work compensable injury. Derebery VJ, et al. **J Occup Med** 1983 Nov; 25(11):829–35

Assessment of workers' compensation claims for back strains/sprains. Klein BP, et al. **J Occup Med** 1984 Jun; 26(6):443–8

Compensable asbestos-related disease in New South Wales. Barnes R. **Med J Aust** 1983 Sep 3;2(5):221–4

Unions can help trim health costs. Polakoff PL. **Occup Health Saf** 1983 Aug;52(8):35–7

WC hearing loss claims should be handled with care. Sataloff J. **Occup Health Saf** 1984 Mar;:35–6, 47

Worker's compensation: working out the problems [editorial] Strasser AL. **Occup Health Saf** 1983 Aug;52(8):54–5

Workers' compensation program experience, 1981. Price DN. **Soc Secur Bull** 1984 Apr;47(4):8–12

[Compensation for occupational diseases: besides the system of assumption of origin should indemnization under the proof system be allowed?] Champeix J. **Bull Acad Natl Med (Paris)** 1983 Sep–Oct;167(7):709–13 (Eng. Abstr.) **(Fre)**

ECONOMICS

Workers' compensation: new worries for an old headache. Kurt TL. **Occup Health Saf** 1984 Mar;:68, 75

LEGISLATION & JURISPRUDENCE

Medicolegal aspects of asbestos for pathologists. Richman SI. **Arch Pathol Lab Med** 1983 Nov;107(11):557–61 (36 ref.)

Practical pointers for physicians who treat industrial patients. Doherty JA, et al. **Ariz Med** 1984 Jul;41(7):472–3

Scheduled versus unscheduled disability under the Worker's Compensation Act of Arizona. Wilmer CM. **Ariz Med** 1984 Aug;41(8):528–9

Changes in compensation for occupationally induced bladder cancer [editorial] Glashan RW. **Br Med J [Clin Res]** 1984 Apr 21;288(6425):1181–2

Hypersensitivity pneumonitis—economic and legal aspects. Licorish KA. **Clin Rev Allergy** 1983 Dec;1(4):487–96

Documentation for workers' compensation dermatitis. Mitchell JC. **Contact Dermatitis** 1983 Sep;9(5):430–2

Asbestos and the pathologist [editorial] **Lancet** 1984 Feb 4; 1(8371):262

Damages for industrial deafness. A study of cases. Brahams

D. **Med Leg J** 1984;52 (Pt 1):38–42
Capitol Hill's growing concern: injury compensation legislation. Goerth CR. **Occup Health Saf** 1984 Jan;:27–8
Court decisions erode protection of WC exclusive remedy provision. Goerth CR. **Occup Health Saf** 1984 Feb;:22
Manville bankruptcy outcome may have far-reaching impact. Goerth CR. **Occup Health Saf** 1984 Apr;53(4):30, 56
Getting the word out about workers' comp. Goerth CR. **Occup Health Saf** 1983 Aug;52(8):10–1
Compensation and recovery from injury. Beals RK. **West J Med** 1984 Feb;140(2):233–7
[Silicosis in Switzerland. The jurist's viewpoint: compensation for silicotic patients by the National Fund] Wipf R. **Schweiz Med Wochenschr [Suppl]** 1983;15:24–6 (Eng. Abstr.) **(Fre)**
[Tuberculosis of the urogenital tract—guidelines for evaluation within the social compensation law and laws for the disabled] Rösner N, et al. **Urologe [Ausg A]** 1984 Jul;23(4):204–9 (Eng. Abstr.) **(Ger)**
[Legal provisions regarding the repeal and annulment of disability pensions] Valli P. **Acta Biomed Ateneo Parmense** 1983;54(4):351–62 (Eng. Abstr.) **(Ita)**

TRENDS

Workers' compensation: 1976–80 benchmark revisions. Price DN. **Soc Secur Bull** 1984 Jul;47(7):3–23

WORLD HEALTH

International challenge of drug abuse. The state of the arts. Rexed B. **Ann Ist Super Sanita** 1982;18(4):691–3
The moral dimension of the world's food supply. Stumpf SE. **Annu Rev Nutr** 1981;1:1–25
Canadian contributions to health in the developing world. Head IL. **Can J Public Health** 1983 Jul–Aug;74(4):235–8
The World Medical Association: looking for real tasks. Lord R. **Can Med Assoc J** 1984 Jun 15;130(12):1618–22
The face of cancer worldwide. Higginson J. **Hosp Pract** 1983 Nov;18(11):145–9, 153–7
Oral health. The world situation in 1983. **Hygie** 1984 Mar; 3(1):12–4
Inter-galactic health education. Hindson P. **Hygie** 1983 Oct; 2(3):10–3
Legislation aimed at curbing the world smoking epidemic. Roemer R. **Hygie** 1983 Jul;2(2):54–6
International trends in prostatic cancer. Zaridze DG, et al. **Int J Cancer** 1984 Feb 15;33(2):223–30
A critique of the ideological and political position of the Brandt Report and the Alma Ata Declaration. Navarro V. **Int J Health Serv** 1984;14(2):159–72
We need a more human perspective. Khan SA. **Int Nurs Rev** 1984 May–Jun;31(3):82–4
Health for all by the year 2000: the countdown has begun [editorial] Roy BN. **J Indian Med Assoc** 1983 Apr; 80(7–8):108–11
Worldwide strategy to control hepatitis B. Krugman S. **J Infect** 1983 Jul;7 Suppl 1:105–6
International health: a problem-based core curriculum. Pust RE, et al. **J Med Educ** 1984 Jun;59(6):522–3
International perspectives on alcohol as a public health issue. Single E. **J Public Health Policy** 1984 Jun;5(2):238–56
Toward a global strategy to combat smoking: the 5th World Conference on Smoking and Health. Warner KE. **J Public Health Policy** 1984 Mar;5(1):28–39
US physicians in international health. Report of a current survey. Baker TD, et al. **JAMA** 1984 Jan 27;251(4):502–4
Exporting doctors to a world in need [editorial] Lundberg GD. **JAMA** 1984 Jan 27;251(4):511–2
US abundance of physicians and international health. Pust RE. **JAMA** 1984 Jul 20;252(3):385–8
How near is health for all? [editorial] **Lancet** 1983 Nov 19; 2(8360):1179–80
Primary health care will fail if we do not change our approach. Chabot HT. **Lancet** 1984 Aug 11;2(8398):340–1
Beyond ploughshares. Silver GA. **Lancet** 1984 Jun 30; 1(8392):1459–60
An alternative: armament or health for all by the year 2000. Esanu V. **Med Interne** 1984 Jan–Mar;22(1):77–8
Japanese encephalitis: report of a World Health Organization Working Group. **MMWR** 1984 Mar 9;33(9):119–20, 125
Current outlook for children around the world. Schmidt BJ. **Pediatrics** 1984 Aug;74(2):294–5
The risk approach in health care. With special reference to maternal and child health, including family planning. Backett EM, et al. **Public Health Pap** 1984;76:1–113
Too few and too little: barricades to the pursuit of health. Weller TH. **Rev Infect Dis** 1983 Nov–Dec;5(6):994–1002
A critique of the ideological and political positions of the Willy Brandt Report and the WHO Alma Ata Declaration. Navarro V. **Soc Sci Med** 1984;18(6):467–74
Executive Board monitors progress towards health for all. **WHO Chron** 1984;38(2):47–59
World Health Day 1983. Health for all: the countdown has begun. **WHO Chron** 1983;37(2):65–70
Psychosocial components of national health strategies. Deliège D. **World Health Stat Q** 1983;36(3–4):498–552 **(Eng, Fre)**
Extent of drug abuse: an international review with implications for health planners. Hughes PH, et al. **World Health Stat Q** 1983;36(3–4):394–497 **(Eng, Fre)**
[Infant mortality throughout the world] Levy ML. **Arch Fr Pediatr** 1983 Jun–Jul;40(6):515–7 **(Fre)**
[Prevention of ischemic heart disease. Report of the WHO Expert Committee. I] **Przegl Lek** 1983;40(9):654–8 **(Pol)**
[World drug abuse in the statistical data of the U.N. International Narcotics Control Board in 1980] Kubalski J, et al. **Przegl Lek** 1983;40(6):529–31 **(Pol)**
[World incidence of anthrax (morbidity in foreign countries)] Cherkasskii BL. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):3–7 **(Rus)**
[Hunger and diseases in the less advanced countries and those en route to development (the 3d world). Proposal for solutions] Piédrola Gil G. **An R Acad Nac Med (Madr)** 1984;101(1):39–96 (44 ref.) **(Spa)**
[The strategy of health for all in all its magnitude] Mahler H. **Bol Of Sanit Panam** 1983 Oct;95(4):361–6 **(Spa)**
[Unalterable promise before the agreed upon time] Guerra de Macedo C. **Educ Med Salud** 1983;17(2):190–7 **(Spa)**
[The people as agent of change in health] Mahler H. **Educ Med Salud** 1983;17(2):187–9 **(Spa)**

WORLD HEALTH ORGANIZATION

Prevention of coronary heart disease. **Am J Cardiol** 1983 Nov 1;52(8):1137–9
Traditional medicine, update from the World Health Organization, Geneva. Akerele O. **Am J Chin Med** 1983; 11(1–4):1–4
WHO guidelines on clinical drug studies available [letter] Dukes MN. **Am J Psychiatry** 1984 Jun;141(6):824
The WHO collaborative study on strategies for extending mental health care, I: The genesis of the study. Sartorius N, et al. **Am J Psychiatry** 1983 Nov;140(11):1470–3
WHO role and research programme on drug dependence. Arif A. **Ann Ist Super Sanita** 1982;18(4):699–704
The WHO programme for prevention and control of viral, chlamydial, and rickettsial diseases. Brief review. Assaad FA, et al. **Arch Virol** 1983;76(4):275–88
The World Health Organization and alcohol control. Room R. **Br J Addict** 1984 Mar;79(1):85–92
World Health Day, 1983: Health for all by the year 2000: the countdown has begun. **Bull Pan Am Health Organ** 1983; 17(2):193–200
The Alza T IPCS 52, a longer acting progesterone IUD: safety and efficacy compared to the TCu22OC and multiload 250 in two randomized multicentre trials. The World Health Organization's special programme of research, development and research training in human reproduction. Task Force on intrauterine devices for fertility regulation. **Clin Reprod Fertil** 1983 Jun;2(2):113–28
The role of circulating glucose and triglyceride concentrations and their interactions with other 'risk factors' as determinants of arterial disease in nine diabetic population samples from the WHO multinational study. West KM, et al. **Diabetes Care** 1983 Jul–Aug;6(4):361–9
Hospital infections from the WHO perspective. Velimirovic B. **Infect Control** 1983 Sep–Oct;4(5):364–6
World Health Organization bottles up alcohol study. Selvaggio K. **Int J Health Serv** 1984;14(2):303–8
World Health Organization's programme on the prevention of blindness. Ladnyi ID, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(4):365–71
WHO and neurosurgical needs in developing countries [editorial] **Lancet** 1983 Oct 8;2(8354):834
Universities and the aims of WHO. Turner J. **Lancet** 1984 Jun 9;1(8389):1291
Diarrheal diseases control program: global activities, 1983. **MMWR** 1984 Sep 14;33(36):513–5
Biologic safety. **MMWR** 1983 Dec 2;32(47):622–3
Genetic epidemiological approaches to the prevention of coronary heart disease—summary report of WHO consultations. Berg K. **Prog Clin Biol Res** 1984;147:85–7
Clinical assessment scales for biological psychiatry to be used in WHO studies. Bech P, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):190–6
A critique of the ideological and political positions of the Willy Brandt Report and the WHO Alma Ata Declaration. Navarro V. **Soc Sci Med** 1984;18(6):467–74
Application of WHO Essential Drugs in practice. Gotink MH, et al. **Trop Doct** 1984 Jan;14(1):8
Regional index medicus projects. **WHO Chron** 1983; 37(6):197–202
Executive Board monitors progress towards health for all. **WHO Chron** 1984;38(2):47–59
World Health Day 1983. Health for all: the countdown has begun. **WHO Chron** 1983;37(2):65–70
Alcohol control policies: a public health issue revisited. **WHO Chron** 1983;37(5):169–71
WHO's traditional medicine programme: progress and perspectives. Akerele O. **WHO Chron** 1984;38(2):76–81
Toward worldwide rabies control. Beran GW, et al. **WHO Chron** 1983;37(6):192–6
Viral hepatitis. Deinhardt F, et al. **WHO Chron** 1983; 37(6):203–7
The marathon for health for all. Mahler H. **WHO Chron** 1983;37(6):187–91
The WHO Reason-for-Encounter Classification. Meads S. **WHO Chron** 1983;37(5):159–62
Health education: new tasks, new approaches. Standard K, et al. **WHO Chron** 1983;37(2):61–4
Recommendations of the United Nations/World Health Organization Working Group on data bases for measurement of levels, Trends and differentials in mortality. **World Health Stat Q** 1983;36(1):72–7 **(Eng, Fre)**
Mental health problem assessment and information support: directions of WHO's work. Gulbinat W. **World Health Stat Q** 1983;36(3–4):224–31 **(Eng, Fre)**
Role of the World Health Organization in the world-wide eradication of smallpox. Ladnyi ID, et al. **Z Gesamte Hyg** 1983 Sep;29(9):490–4 (9 ref.)
[International recognition of children's rights in the realm of health] Blancher G. **Bull Acad Natl Med (Paris)** 1983 Jan;167(1):59–65 (Eng. Abstr.) **(Fre)**
[The emperor is naked! Comment on the report of the joint study group of the International Union for the Prevention of Tuberculosis and the World Health Organization,] Chaulet P. **Bull Int Union Tuberc** 1983 Jun;58(2):154–7 **(Fre)**
[Antituberculosis campaign. Report of a joint study group of the International Union for the Prevention of Tuberculosis and the World Health Organization, Geneva, 14–18 September 1981] Mahler H. **Bull Int Union Tuberc** 1983 Jun;58(2):151–4 **(Fre)**
[A program for the control of acute respiratory tract infections in children: memorandum of a reunion of the WHO] **Bull WHO** 1984;62(2):229–42 **(Fre)**
[Extract from a report on a WHO consultant to the Center for Dental Hygiene and Prophylaxis of French Polynesia, 1983] Baume LJ. **Schweiz Monatsschr Zahnmed** 1984 Mar; 94(3):211–20 (Eng. Abstr.) **(Fre)**
[The Eberbach/Wiesloch WHO cardiovascular prevention study] Nüssel E, et al. **Lebensversicherungsmedizin** 1983 Oct 6;35(8):179–82 (Eng. Abstr.) **(Ger)**
[Controversies over the worldwide plan of the 1972–1982 decade concerning methods of early detection of pulmonary tuberculosis] Lupşa M. **Rev Ig [Pneumoftiziol]** 1983 Jul–Sep;32(3):193–203 **(Rum)**
[Prognostic importance of distinguishing lymphosarcoma variants by the WHO classification] Kruglova GV, et al. **Gematol Transfuziol** 1983 Dec;28(12):3–7 (Eng. Abstr.) **(Rus)**
[Results of the 5-year collaboration of scientific institutions of the USSR with the Special Program for Research and Training in Tropical Diseases and the tasks of the All-Union Coordination Center for Tropical Diseases] Nikolaevskiĭ GP, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug;(4):72–4 **(Rus)**
[The importance and activity of the Council for International Organizations of Medical Science] Niederland TR. **Cas Lek Cesk** 1984 May 4;123(18):529–32 **(Slo)**

HISTORY

Silver anniversary of the Advisory Committee on Medical Research. **WHO Chron** 1984;38(1):8–16

ORGANIZATION & ADMINISTRATION

The mental health programme of WHO: trends and prospects. Sartorius N. **Seishin Shinkeigaku Zasshi** 1983; 85(12):880–7 **(Eng, Jpn)**
Executive Board proposes US$ 520 million programme budget for 1984–85 biennium. **WHO Chron** 1983; 37(2):48–60
WHO's programme budget since 1980: some lessons for the 1984–85 biennium. Mahler H. **WHO Chron** 1983;37(2):43–7

WOUND HEALING

see related
CICATRIX
GRANULATION TISSUE

Structural alterations and changes in the distribution of markers in transected skeletal muscle fibers of the guinea pig. Echeverría OM, et al. **Acta Anat (Basel)** 1983; 116(4):358–65
Mechanical capacity of esophagogastric anastomosis at early postoperative stage. Csikos M, et al. **Acta Chir Hung** 1983; 24(2):105–14
A scanning electron-microscopic study of the healing of microvascular anastomoses made by invagination. Szilágyi K, et al. **Acta Chir Hung** 1983;24(2):73–80
Primary pelviperineal closure without drainage, after abdomino-perineal resection of the rectum—a comparative study. De Almeida AM, et al. **Acta Med Port** 1984 Feb; 5(2):49–53
Polarization colours of collagen fibres: a sign of collagen production activity in fibrotic processes. Szendrői M, et al. **Acta Morphol Hung** 1984;32(1):47–55
Amputation of the forefoot. Predictive value of signs and clinical physiological tests. Boeckstyns ME, et al. **Acta Orthop Scand** 1984 Apr;55(2):224–6
A radiographic five-year follow-up of femoral neck fractures. Brümmer R, et al. **Acta Orthop Scand** 1983 Dec; 54(6):865–71
Healing of the medial collateral ligament of the knee. A morphological and biochemical assessment in rabbits. Frank C, et al. **Acta Orthop Scand** 1983 Dec;54(6):917–23
The distal blood pressure predicts healing of amputations on the feet. Holstein P. **Acta Orthop Scand** 1984 Apr; 55(2):227–33
Effects of instability on fracture healing in the rat. Mølster AO, et al. **Acta Orthop Scand** 1984 Jun;55(3):342–6

Invasion of bone into porous fiber metal implants in cats. Rønningen H, et al. **Acta Orthop Scand** 1984 Jun; 55(3):352–8

Bone healing after metal plate fixation and external fixation of the osteotomized rabbit tibia. Terjesen T. **Acta Orthop Scand** 1984 Feb;55(1):69–77

Healing of rabbit tibial fractures using external fixation. Effects of removal of the fixation device. Terjesen T. **Acta Orthop Scand** 1984 Apr;55(2):192–6

Myringotomy made by CO2 laser—an alternative to the ventilation tube? An experimental study. Söderberg O, et al. **Acta Otolaryngol (Stockh)** 1984 Mar–Apr;97(3–4):335–41

Repair in arterial tissue. An ultrastructural demonstration of proteoglycans in low temperature embedded normal and healing arterial tissue. Chemnitz J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1983 Nov; 91(6):477–82

Computed tomography of the asymptomatic postsurgical lumbar spine: analysis of the physiologic scar. Braun IF, et al. **AJR** 1984 Jan;142(1):149–52

Hypnotically accelerated burn wound healing. Moore LE, et al. **Am J Clin Hypn** 1983 Jul;26(1):16–9

Carbon dioxide laser and electrosurgical wound study with an animal model: a comparison of tissue damage and healing patterns in peritoneal tissue. Bellina JH, et al. **Am J Obstet Gynecol** 1984 Feb 1;148(3):327–34

Medial collateral ligament healing. A multidisciplinary assessment in rabbits. Frank C, et al. **Am J Sports Med** 1983 Nov–Dec;11(6):379–89

Evaluation of technetium-99m phosphate imaging for predicting skin ulcer healing. Lawrence PF, et al. **Am J Surg** 1983 Dec;146(6):746–50

Morphologic quantitation of pseudointima and effects of antiplatelet drugs on vascular prostheses in goats. Rainwater LM, et al. **Am J Surg** 1984 Aug;148(2):195–202

Laser therapy in the horse: histopathologic response. Kaneps AJ, et al. **Am J Vet Res** 1984 Mar;45(3):581–2

Electrical stimulation on skin wound healing in the horse: preliminary studies. Steckel RR, et al. **Am J Vet Res** 1984 Apr;45(4):800–3

Esophagotomy in the pony: comparison of surgical techniques and form of feed. Stick JA, et al. **Am J Vet Res** 1983 Nov;44(11):2123–32

Corneal biomicroscopy following repeated radial keratotomy. Fyodorov SN, et al. **Ann Ophthalmol** 1983 May;15(5):403–7

Wound healing: biological effects of Nd:YAG laser on collagen metabolism in pig skin in comparison to thermal burn. Castro DJ, et al. **Ann Plast Surg** 1983 Aug; 11(2):131–40

Decrease in rate of wound contraction with the temporary skin substitute biobrane. Frank DH, et al. **Ann Plast Surg** 1984 Jun;12(6):519–24

The effects of protein malnutrition on wound contraction: an experimental study. Modolin M, et al. **Ann Plast Surg** 1984 May;12(5):428–30

Surgical wound management with adhesive polyurethane membrane [letter] Drake D. **Ann R Coll Surg Engl** 1984 Jan;66(1):74–5

The stability of union in tibial shaft fractures: its measurement by a non-invasive method. Edholm P, et al. **Arch Orthop Trauma Surg** 1984;102(4):242–7

Treatment of the perineal wound after proctectomy by intermittent irrigation. Aubrey DA, et al. **Arch Surg** 1984 Oct;119(10):1141–4

Acceleration of wound healing by a live yeast cell derivative. Kaplan JZ. **Arch Surg** 1984 Sep;119(9):1005–8

Characteristics and uses of biologic dressings and skin substitutes. Pruitt BA Jr, et al. **Arch Surg** 1984 Mar; 119(3):312–22 (36 ref.)

In vitro reendothelialization. Microfilament bundle reorganization in migrating porcine endothelial cells. Gotlieb AI, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):91–6

Aortic intimal response to endothelial removal in cebus and squirrel monkeys. Hoover GA, et al. **Arteriosclerosis** 1984 Mar–Apr;4(2):165–75

The influence of smoking on the healing of duodenal ulcer treated with oxmetidine or cimetidine. Hetzel DJ, et al. **Aust NZ J Med** 1983 Dec;13(6):587–90

Wound healing following mastectomy. Hayes JA, et al. **Aust NZ J Surg** 1984 Feb;54(1):25–7

Effect of healing on small internal diameter arterial graft compliance. White R, et al. **Biomater Med Devices Artif Organs** 1983;11(1):21–9

Human skin battery potentials and their possible role in wound healing. Foulds IS, et al. **Br J Dermatol** 1983 Nov; 109(5):515–22

Development of a quantitative method for assessing epidermal regeneration. Fourtanier A, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:174–7

Transepithelial elimination of elastic fibres in the regenerated human epidermis. Mihara M. **Br J Dermatol** 1984 May; 110(5):547–54

Response of the clinically uninvolved skin of psoriatic patients to standardized injury. van de Kerkhof PC, et al. **Br J Dermatol** 1983 Sep;109(3):287–94

Healing of cervical epithelium after laser treatment of cervical intraepithelial neoplasia. MacLean AB. **Br J Obstet Gynaecol** 1984 Jul;91(7):697–706

A radio-isotope study of the healing of mandibular bone grafts in patients. Frame JW, et al. **Br J Oral Surg** 1983 Dec;21(4):277–89

The morbidity of split-skin graft donor sites in the elderly: the case for mesh-grafting the donor site. Fatah MF, et al. **Br J Plast Surg** 1984 Apr;37(2):184–90

Wound healing in obstructive jaundice. Armstrong CP, et al. **Br J Surg** 1984 Apr;71(4):267–70

Antibiotic concentration in the exudate of venous ulcers: the prediction of ulcer healing rate. Gowland Hopkins NF, et al. **Br J Surg** 1983 Sep;70(9):532–4

A hypothesis of the healing of deep dermal burns and the significance for treatment. Holmes JD, et al. **Br J Surg** 1983 Oct;70(10):611–3

Prediction of amputation wound healing: the role of transcutaneous pO2 assessment. Ratliff DA, et al. **Br J Surg** 1984 Mar;71(3):219–22

Transcutaneous oxygen measurements (TcpO2) [letter] Spence VA, et al. **Br J Surg** 1984 Jun;71(6):481–2

Bone remodeling in response to local mechanics. Mayor MB. **Bull Hosp Jt Dis Orthop Inst** 1983 Fall;43(2):100–2

Healing of a gastrocutaneous fistula in the presence of Marlex. Macmillan JI, et al. **Can J Surg** 1984 Mar; 27(2):159–60

Reparative growth in the rat thyroid. Stringer BM, et al. **Cell Tissue Kinet** 1983 Nov;16(6):571–6

The response of the atrium to direct mechanical wounding in the adult heart of the newt, Notophthalmus viridescens. An electron-microscopic and autoradiographic study. McDonnell TJ, et al. **Cell Tissue Res** 1984;235(3):583–92

Epidermal cell migration during wound healing in Dugesia lugubris. Observations based on scanning electron microscopy and treatment with cytochalasin. Pascolini R, et al. **Cell Tissue Res** 1984;236(2):345–9

Healing of canine femoral osteotomies. Effects of compression plates versus Eggers' plates. Daum WJ, et al. **Clin Orthop** 1983 Nov;(180):291–300

Histologic evidence of intrinsic flexor tendon repair in various experimental animals. An in vitro study. Manske PR, et al. **Clin Orthop** 1984 Jan–Feb;(182):297–304

Stimulation of fracture healing with electromagnetic fields of extremely low frequency (EMF of ELF). Wahlström O. **Clin Orthop** 1984 Jun;(186):293–301

Wound healing and scarring after cryosurgery. Shepherd JP, et al. **Cryobiology** 1984 Apr;21(2):157–69

Healing of incisional wounds in the stomach and duodenum. An experimental study. Gottrup F. **Dan Med Bull** 1984 Feb;31(1):32–48

Abdominal wound repair. An experimental study of the wound healing mechanism in the rabbit. Nilsson T. **Dan Med Bull** 1983 Nov;30(6):394–407

Cigarette smoking and duodenal ulcer healing. An endoscopic study of 197 patients. Barakat MH, et al. **Digestion** 1984;29(2):85–90

The experimental basis of intestinal suturing. Effect of surgical technique, inflammation, and infection on enteric wound healing. Ballantyne GH. **Dis Colon Rectum** 1984 Jan;27(1):61–71 (100 ref.)

Wound healing in the intestinal wall. Effects of infection on experimental ileal and colonic anastomoses. Hesp FL, et al. **Dis Colon Rectum** 1984 Jul;27(7):462–7

Wound healing in the intestinal wall. A comparison between experimental ileal and colonic anastomoses. Hesp FL, et al. **Dis Colon Rectum** 1984 Feb;27(2):99–104

Sexual function and perineal wound healing after intersphincteric excision of the rectum for inflammatory bowel disease. Leicester RJ, et al. **Dis Colon Rectum** 1984 Apr;27(4):244–8

Treatment methods and repair potential of intrabony defects. Ellegaard B. **Dtsch Zahnarztl Z** 1983 Sep;38(9):842–6

Bone healing and grafting. Mattox DE. **Ear Nose Throat J** 1983 Aug;62(8):409–11

The inflammatory reaction in an experimental model of open wounds in the rat. The effect of arachidonic acid metabolites. Lundberg C, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):229–38

Effects of CO2 laser on the healing of experimental colon anastomoses. Ferulano GP, et al. **Eur Surg Res** 1984; 16(2):127–30

Lens wound healing and cataractogenesis in a pigmented eye. Rafferty NS, et al. **Exp Eye Res** 1984 Mar;38(3):267–77

Wound healing of spleen ruptures by ultrasonic welding in animal experiments. Kühne W, et al. **Exp Pathol** 1983; 24(2–3):167–70

A study of the healing-over in the cardiac muscle using suction electrodes. Kukushkin NI, et al. **Gen Physiol Biophys** 1983 Oct;2(5):363–84

Electron microscopic immunochemical localization of actin in fibroblasts in healing skin and palate wounds of beagle dog. Squier CA, et al. **Histochemistry** 1983;78(4):513–22

Uptake of ruthenium-labeled transferrin in healing wounds. Helson L, et al. **Int J Nucl Med Biol** 1983;10(4):237–9

Simplified management of operative wounds by early exposure. Weiss Y. **Int Surg** 1983 Jul–Sep;68(3):237–40

Conjunctival epithelial wound healing. Geggel HS, et al. **Invest Ophthalmol Vis Sci** 1984 Jul;25(7):860–3

Scintigraphic study of the biological fixation of the Christiansen endoprosthesis with madreporic shank. Musumeci S, et al. **Ital J Orthop Traumatol** 1984 Jun; 10(2):271–7

Can heterologous collagen enhance the granulation tissue growth? An experimental study. Motta G, et al. **Ital J Surg Sci** 1983;13(2):101–8

Wound healing by secondary intention. A cosmetic appraisal. Zitelli JA. **J Am Acad Dermatol** 1983 Sep;9(3):407–15

Electrosurgery and wound healing: a review of the literature. Williams VD. **J Am Dent Assoc** 1984 Feb;108(2):220–2 (31 ref.)

Transcutaneous oxygen measurement as a noninvasive indicator of level of tissue healing in patients with peripheral vascular disease and projected amputations. Benscoter JL, et al. **J Am Osteopath Assoc** 1984 Apr; 83(8):560–74

The effect of electrical stimulation on wound healing in diabetic mice. Smith J, et al. **J Am Podiatry Assoc** 1984 Feb;74(2):71–5

Natural frequency of fracture fragments in the assessment of tibial fracture healing. Nokes LD, et al. **J Biomed Eng** 1984 Jul;6(3):227–9

Healing pattern of small caliber dacron grafts in the baboon: an animal model for the study of vascular prostheses. Keough EM, et al. **J Biomed Mater Res** 1984 Mar; 18(3):281–92

Some aspects of macrophage behavior at the implant interface. Salthouse TN. **J Biomed Mater Res** 1984 Apr; 18(4):395–401

The effect of early weight-bearing on the stability of femoral neck fractures treated with Knowles pins. Arnold WD. **J Bone Joint Surg [Am]** 1984 Jul;66(6):847–52

Nutritional status: importance in predicting wound-healing after amputation. Dickhaut SC, et al. **J Bone Joint Surg [Am]** 1984 Jan;66(1):71–5

The healing of segmental bone defects induced by demineralized bone matrix. A radiographic and biomechanical study. Einhorn TA, et al. **J Bone Joint Surg [Am]** 1984 Feb;66(2):274–9

Intrinsic flexor-tendon repair. A morphological study in vitro. Manske PR, et al. **J Bone Joint Surg [Am]** 1984 Mar; 66(3):385–96

Stability of union after tibial shaft fracture. Analysis by a non-invasive technique. Hammer R, et al. **J Bone Joint Surg [Br]** 1984 Aug;66(4):529–34

Basement membrane components in healing rabbit corneal epithelial wounds: immunofluorescence and ultrastructural studies. Fujikawa LS, et al. **J Cell Biol** 1984 Jan; 98(1):128–38

Healing of cervical epithelium after laser ablation of cervical intraepithelial neoplasia. Sharp GL, et al. **J Clin Pathol** 1984 Jun;37(6):611–5

Relation between wound healing after surgery and susceptibility to periodontal disease. Abbas F, et al. **J Clin Periodontol** 1984 Apr;11(4):221–9

A multivariate analysis of factors affecting wound-healing time. Robins P, et al. **J Dermatol Surg Oncol** 1984 Mar; 10(3):219–21

Chiseling of exposed bone to stimulate granulation tissue after Mohs surgery. Vanderveen EE, et al. **J Dermatol Surg Oncol** 1983 Nov;9(11):925–8

Proliferation of epidermal melanocytes during the healing of skin wounds in newborn mice. Hirobe T. **J Exp Zool** 1983 Sep;227(3):423–31

Two healing patterns correlate with different adult neural connectivity patterns in regenerating embryonic Xenopus retina. Ide CF, et al. **J Exp Zool** 1984 Apr;230(1):71–80

An experimental study on incompletely cut chicken tendons—a comparison of two methods of management. Chow SP, et al. **J Hand Surg [Br]** 1984 Jun;9(2):121–5

Biochemical evidence of flexor tendon participation in the repair process—an in vitro study. Manske PR, et al. **J Hand Surg [Br]** 1984 Jun;9(2):117–20

The regeneration of substance P-containing nerve fibers in the process of burn wound healing in the guinea pig skin. Kishimoto S. **J Invest Dermatol** 1984 Sep;83(3):219–23

Zinc concentration in normal and healing gingival tissues in beagle dogs. Williamson CE, et al. **J Periodontol** 1984 Mar;55(3):170–4

The healing of atraumatic and traumatic incisions in the gingivae of monkeys. Wirthlin MR, et al. **J Periodontol** 1984 Feb;55(2):103–13

Care of perineal wound in abdominoperineal resection. Saha SK. **J R Coll Surg Edinb** 1983 Sep;28(5):324–7

Formation and prevention of postoperative abdominal adhesions. Stangel JJ, et al. **J Reprod Med** 1984 Mar; 29(3):143–56

The influence of intravenous hyperalimentation (IVH) on wound healing in tumor-bearing rats. De Graaf PW, et al. **J Surg Oncol** 1983 Dec;24(4):332–7

Tissue oxygen tension in externally stabilized tibial fractures in rabbits during normal healing and infection. Aro H, et al. **J Surg Res** 1984 Sep;37(3):202–7

Healing of experimental defects on the stomach: influence of autologous and heterologous materials. Ratto GB, et al. **J Surg Res** 1984 Jan;36(1):35–49

Scanning electron microscopy of the structural reconstruction of the abdominal wall after experimental paramedian incision. Rizk NN. **J Surg Res** 1983 Oct; 35(4):354–64

The contractile properties of wound granulation tissue. Snowden JM, et al. **J Surg Res** 1984 Feb;36(2):108–14

Epithelial mediated wound contraction in experimental wounds—the purse-string effect. Baur PS Jr, et al. **J Trauma** 1984 Aug;24(8):713–20

The myofibroblast anchoring strand—the fibronectin connection in wound healing and the possible loci of collagen fibril assembly. Baur PS Jr, et al. **J Trauma** 1983 Oct;23(10):853–62

Burn depth estimation—man or machine. Heimbach DM, et

al. **J Trauma** 1984 May;24(5):373–8

The microclimate chamber: the effect of continuous topical administration of 96% oxygen and 75% relative humidity on the healing rate of experimental deep burns. Kaufman T, et al. **J Trauma** 1983 Sep;23(9):806–15

Blisters, cooling, antithromboxanes, and healing in experimental zone-of-stasis burns. Saranto JR, et al. **J Trauma** 1983 Oct;23(10):927–33

Wound-healing of corneal endothelium in monkey: an autoradiographic study. Matsubara M, et al. **Jpn J Ophthalmol** 1983;27(3):444–50

Endothelial wound-healing of monkey cornea: fluorophotometric and specular microscopic studies. Tsuru T, et al. **Jpn J Ophthalmol** 1984;28(2):105–25

Histology of the healing process after total colectomy, mucosal proctectomy and ileo-anostomy. Iwama T, et al. **Jpn J Surg** 1983 Sep;13(5):452–5

In vitro reendothelialization of a single-cell wound. Role of microfilament bundles in rapid lamellipodia-mediated wound closure. Wong MK, et al. **Lab Invest** 1984 Jul; 51(1):75–81

Anyone for amnion? [editorial] **Lancet** 1984 Mar 31; 1(8379):719

Is closure of open skin wounds in rats accelerated by argon laser exposure? Jongsma FH, et al. **Lasers Surg Med** 1983; 3(1):75–80

CO2 laser conization versus conventional conization: a clinico-pathologic appraisal. Meandzija MP, et al. **Lasers Surg Med** 1984;4(2):139–44

Comparative gross and histological study of the effects of scalpel, electric knife, and carbon dioxide laser on skin and uterine incisions in dogs. Montgomery TC, et al. **Lasers Surg Med** 1983;3(1):9–22

Electrical impedance monitoring of the wound-healing process. Adam L, et al. **Med Prog Technol** 1983;9(4):227–32

Clinical and experimental studies of bone union in reimplantation of digits: a preliminary report on ischemic interval. Kuwata N, et al. **Microsurgery** 1984;5(1):31–5

Spontaneous healing of extradural hematomas: report of four cases. Pozzati E, et al. **Neurosurgery** 1984 Jun;14(6):724–7

Studies on the repair tissue of injured articular cartilage—biochemical and biomechanical properties. Suzuki Y. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jul; 57(7):741–52

Regeneration of cervical epithelium after laser vaporization. Allen JM, et al. **Obstet Gynecol** 1983 Dec;62(6):700–6

Amniotic membranes as a temporary wound dressing in necrotizing fasciitis. Zarutskie P, et al. **Obstet Gynecol** 1984 Aug;64(2):284–7

Scrolls of Descemet's membrane in healed syphilitic interstitial keratitis. Scattergood KD, et al. **Ophthalmology** 1983 Dec;90(12):1518–23

The ultrastructure of well-healed lenticules in keratomileusis. Yamaguchi T, et al. **Ophthalmology** 1983 Dec; 90(12):1495–506

Symposium on wound healing. **Otolaryngol Clin North Am** 1984 May;17(2):241–458

Inflammation induced connective tissue breakdown following injury. Abramson M, et al. **Otolaryngol Clin North Am** 1984 May;17(2):353–9 (23 ref.)

Skin grafts: physiology and clinical considerations. Barratt GE, et al. **Otolaryngol Clin North Am** 1984 May; 17(2):335–51 (56 ref.)

Factors affecting wound healing. Boucek RJ. **Otolaryngol Clin North Am** 1984 May;17(2):243–64 (102 ref.)

Scar formation: physiology and pathological states. Chvapil M, et al. **Otolaryngol Clin North Am** 1984 May;17(2):265–72 (24 ref.)

Burns of the head and neck. Edlich RF, et al. **Otolaryngol Clin North Am** 1984 May;17(2):361–88 (103 ref.)

The physiology of nerve injury and repair. Horn KL, et al. **Otolaryngol Clin North Am** 1984 May;17(2):321–33 (36 ref.)

Wound healing: bone and biomaterials. Kent JN, et al. **Otolaryngol Clin North Am** 1984 May;17(2):273–319 (185 ref.)

Physiological aspects of wound healing: contraction and growth. Kremenak CR. **Otolaryngol Clin North Am** 1984 May;17(2):437–53 (59 ref.)

Wound healing in the larynx. Toohill RJ, et al. **Otolaryngol Clin North Am** 1984 May;17(2):429–36 (34 ref.)

Optimal wound healing under Op-Site dressing. Ramirez OM, et al. **Plast Reconstr Surg** 1984 Mar;73(3):474–5

A histologic comparison of experimental microarterial end-in-end (sleeve) and end-to-end anastomoses. Wieslander JB, et al. **Plast Reconstr Surg** 1984 Feb; 73(2):279–87

Wound healing. Helping a natural process. Fernandez A, et al. **Postgrad Med** 1983 Oct;74(4):311–7

Lack of lipid involvement in nonosseous tissue repair. Timchak DM, et al. **Proc Soc Exp Biol Med** 1983 Oct; 174(1):59–64

An index to measure the healing potential of ischaemic ulcers using Thallium 201. Siegel ME, et al. **Prosthet Orthot Int** 1983 Aug;7(2):67–8

The healing of through-knee amputations in relation to skin perfusion pressure. Thyregod HC, et al. **Prosthet Orthot Int** 1983 Aug;7(2):61–2

The morphological consequences of thermosurgery. Helpap B. **Res Exp Med (Berl)** 1983;183(3):215–25

Local fibrinolysis in the oral cavity. Björlin G. **Scand J Haematol [Suppl]** 1984;40:411–6

Ecology of wound healing in the oral cavity. Gustafson GT. **Scand J Haematol [Suppl]** 1984;40:393–409

Contamination of oral wounds with saliva and bacteria. Ramström G. **Scand J Haematol [Suppl]** 1984;40:423–7

Hypothesis: joints can heal. Radin EL, et al. **Semin Arthritis Rheum** 1984 Feb;13(3):293–302

Synthetic activity of cultured fibroblasts from healthy, inflamed and healed human gingivae from a single site. Greco GW, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Oct;93(10):1028–32 (19 ref.)

Biology of wound healing. Carrico TJ, et al. **Surg Clin North Am** 1984 Aug;64(4):721–33 (102 ref.)

Osseous interference of soft tissue healing. Hurwitz DJ. **Surg Clin North Am** 1984 Aug;64(4):699–704

Management of abdominal wounds. Kenady DE. **Surg Clin North Am** 1984 Aug;64(4):803–7

Wound healing with diabetes mellitus. Better glucose control for better wound healing in diabetes. McMurry JF Jr. **Surg Clin North Am** 1984 Aug;64(4):769–78

Role of nutrition in wound healing. Ruberg RL. **Surg Clin North Am** 1984 Aug;64(4):705–14

Effects of compliance alteration on healing of a porous dacron prosthesis in the thoracic aorta of the dog. Cengiz M, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):145–51

Inhibition of host immunity by fluid and mononuclear cells from healing wounds. Barbul A, et al. **Surgery** 1984 Aug; 96(2):315–20

The dynamic properties of tissue oxygen in healing flaps. Gottrup F, et al. **Surgery** 1984 May;95(5):527–36

Studies on inflammation and wound healing: angiogenesis and collagen synthesis stimulated in vivo by resident and activated wound macrophages. Hunt TK, et al. **Surgery** 1984 Jul;96(1):48–54

Effect of intrauterine thymectomy on granulation tissue formation. An experimental study. Savunen T, et al. **Thymus** 1983 Sep;5(5–6):399–405

Repair in arterial tissue. Demonstration of fibrinogen/fibrin in the normal and healing rabbit thoracic aorta by the indirect immunoperoxidase technique. Chemnitz J, et al. **Virchows Arch [A]** 1984;403(2):163–71

Prediction of healing time as an aid to the management of open granulating wounds. Marks J, et al. **World J Surg** 1983 Sep;7(5):641–5

[Healing of blood vessel prostheses in man] Ružbarský V, et al. **Rozhl Chir** 1984 Mar;63(3):209–14 (Eng. Abstr.) **(Cze)**

[Comparative study of the healing of bronchial stumps after pulmonary excision in dogs: manual suturing opposed to mechanical stapling] Gamondès JP, et al. **Ann Chir** 1984 Mar;38(2):188–92 (Eng. Abstr.) **(Fre)**

[Closure by first intention of severe inter-ventricular shunts in infants] Binet JP. **Bull Mem Acad R Med Belg** 1983; 138(2):156–68 (Eng. Abstr.) **(Fre)**

[Cicatrization of the spleen after reconstructive surgery. Experimental study on rats] Rush F, et al. **Chir Pediatr** 1983;24(6):373–82 (Eng. Abstr.) **(Fre)**

[Roentgenologic aspects of bone healing in pathological fractures] Friedrich B, et al. **Aktuel Traumatol** 1984 Apr; 14(2):43–7 (Eng. Abstr.) **(Ger)**

[Extreme loading as cause of aseptic loosening of the total hip endoprosthesis socket and the resultant therapeutic consequences] Gebauer D, et al. **Aktuel Traumatol** 1983 Aug;13(4):154–9 (Eng. Abstr.) **(Ger)**

[Failures of clavicular intramedullary wire fixation and their causes] Schwarz N, et al. **Aktuel Traumatol** 1984 Aug; 14(4):159–63 (Eng. Abstr.) **(Ger)**

[Intramedullary nailing, an unstable but load bearing osteosynthesis] Weller S. **Aktuel Traumatol** 1984 Aug; 14(4):146–50 (Eng. Abstr.) **(Ger)**

[Stimulation of fracture healing by ultrasound—animal experiment study] Klug W. **Beitr Orthop Traumatol** 1983 Dec;30(12):670–80 (Eng. Abstr.) **(Ger)**

[Experimental studies of bone fracture healing in a pulsating magnetic field] Synder M, et al. **Beitr Orthop Traumatol** 1984 Jan;31(1):1–7 (Eng. Abstr.) **(Ger)**

[Biomechanical and histological studies following intramedullary nailing of the tibia] Pfister U. **Fortschr Med** 1983 Oct 6;101(37):1652–9 (Eng. Abstr.) **(Ger)**

[Existing results in the treatment of injuries of the lens capsule] Buschmann W, et al. **Fortschr Ophthalmol** 1984; 81(1):59–61 (Eng. Abstr.) **(Ger)**

[Clinico-histologic picture following lens injuries] Daus W, et al. **Fortschr Ophthalmol** 1984;81(1):54–8 (Eng. Abstr.) **(Ger)**

[Effect of infection morbidity on 5-year healing in radically operated cervix uteri cancer. 1968–1978 results] Gerstner GJ. **Gynakol Rundsch** 1984;24(2):98–104 **(Ger)**

[Local tissue burn. Results of thermosurgery] Helpap B. **Hefte Unfallheilkd** 1983;159:1–90 **(Ger)**

[Skeletal traumas during growth] von Laer L. **Hefte Unfallheilkd** 1984;166:1–84 (243 ref.) **(Ger)**

[Perineal wound healing following abdominoperineal rectum excision] Schultheiss HR, et al. **Helv Chir Acta** 1984 Apr; 51(1):79–82 (Eng. Abstr.) **(Ger)**

[Suitability of resorbable sutures in the treatment of corneal wounds] Faulborn J, et al. **Klin Monatsbl Augenheilkd** 1983 Dec;183(6):464–6 (Eng. Abstr.) **(Ger)**

[Experimental wound healing. New results on wound granulation tissue and epidermal reparation (3H-thymidine autoradiography)] Schmiegelow P, et al. **Med Welt** 1983 Dec 30;34(51–52):1458–62 **(Ger)**

[Collagen, a biological dressing] Struck H. **MMW** 1983 Nov 25;125(47):1111–3 (0 ref.) **(Ger)**

[Anastomosis healing in the irradiated colon. II. Influence of irradiation on new formation of connective tissue. An animal experiment study] Baer U, et al. **Strahlentherapie** 1983 Aug;159(8):474–82 (Eng. Abstr.) **(Ger)**

[Anastomosis healing in the irradiated colon. III. Microangiographic studies. An animal experiment study] Baer U, et al. **Strahlentherapie** 1983 Nov;159(11):695–702 (Eng. Abstr.) **(Ger)**

[Histologic finding of fracture healing using external fixation and its clinical significance] Stürmer KM. **Unfallchirurgie** 1984 Jun;10(3):110–22 (Eng. Abstr.) **(Ger)**

[Hormonal treatment of fractures with painful post-traumatic healing disorders in stage II and III of Sudeck's disease] Benz K. **Unfallheilkunde** 1983 Oct;86(10):450–4 (Eng. Abstr.) **(Ger)**

[Disturbed fracture healing. Etiology – therapy – results] Ludolph E, et al. **Unfallheilkunde** 1983 Oct;86(10):423–8 (Eng. Abstr.) **(Ger)**

[Bone healing following stable external osteosynthesis] Müller KH, et al. **Unfallheilkunde** 1983 Aug;86(8):341–8 (Eng. Abstr.) **(Ger)**

[The problem of immobilization following tenosuture—an experimental study] Minta P. **Z Exp Chir Transplant Kunstliche Organe** 1983;16(6):357–64 (Eng. Abstr.) **(Ger)**

[The significance of inactivity following injuries] Friedebold G. **Z Orthop** 1984 Jul-Aug;122(4):487–94 **(Ger)**

[Is fracture healing in the presence of biocompatible implant materials tantalum and niobium different in comparison to steel implants?] Rabenseifner L, et al. **Z Orthop** 1984 May-Jun;122(3):349–55 (Eng. Abstr.) **(Ger)**

[Corrective measures following imperfectly healed fractures] Rehn J, et al. **Zentralbl Chir** 1983;108(17):1065–75 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the healing process of splenic lesions repaired with cyanoacrylate or with microsurgical sutures. Experimental research] Di Tondo U, et al. **Ann Ital Chir** 1983;55(2):179–94 (Eng. Abstr.) **(Ita)**

[Endothelial cell culture as a model for the study of wound healing] Mancianti ML, et al. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):473–8 (Eng. Abstr.) **(Ita)**

[The possibility of influencing the cicatrization processes in burn disease. Experimental and clinical study] Cavalca D, et al. **G Ital Dermatol Venereol** 1984 Mar-Apr; 119(2):113–24 (Eng. Abstr.) **(Ita)**

[Role of collagen in the wound healing process. Clinical experimentation of a dressing of non-homologous sterile collagen] Tosti A, et al. **G Ital Dermatol Venereol** 1983 Sep-Oct;118(5):289–92 (Eng. Abstr.) **(Ita)**

[New prospects of tissue synthesis in plastic surgery] Donati L, et al. **Minerva Chir** 1983 Oct 15;38(19):1505–6 **(Ita)**

[Tissues and the laser in surgery. Principles and general considerations] Galletti G. **Minerva Chir** 1983 Oct 15; 38(19):1429–32 **(Ita)**

[Considerations on time factors and forms of cicatrization of the silastic sponge tampon. II.] Jannelli O, et al. **Minerva Chir** 1983 Oct 15;38(19):1511–3 **(Ita)**

[Experimental microinjury of the articular disc of the temporomandibular joint. Effect of immobilization on the healing process] Izumi Y. **Kokubyo Gakkai Zasshi** 1983 Sep; 50(3):378–417 (Eng. Abstr.) **(Jpn)**

[Fibronectin in corneal endothelial wound healing of rabbit and cat] Higuchi S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Apr;88(4):730–9 (Eng. Abstr.) **(Jpn)**

[Morphological changes of human corneal endothelium in healing] Matsuda M, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jan;88(1):115–20 (Eng. Abstr.) **(Jpn)**

[Endothelial wound healing of monkey cornea. The fluorophotometric and specular microscopic studies] Tsuru T, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):738–50 (Eng. Abstr.) **(Jpn)**

[Wound healing of the corneal endothelium in the bullous keratopathy after keratoplasty] Yang HJ, et al. **Nippon Ganka Gakkai Zasshi** 1983;87(9):701–7 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on tendon wound healing in various tissues and in dynamic states] Nagay B, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):329–36 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of a new synthetic skin substitute Codogard in the treatment of granulating wounds and ulcers] Strużyna J, et al. **Wiad Lek** 1983 Jul 1; 36(13):1047–52 (Eng. Abstr.) **(Pol)**

[Effect of laser radiation on the process of tissue vascularization after damage] Barkovskiĭ VS. **Arkh Patol** 1983;45(8):72–6 (Eng. Abstr.) **(Rus)**

[Morphology of healing of an experimental gunshot wound following primary surgical treatment] Grigor'ev VV, et al. **Arkh Patol** 1983;45(8):64–72 (Eng. Abstr.) **(Rus)**

[Morphology of healed burns treated by different methods] Muzykant LI, et al. **Arkh Patol** 1984;46(3):52–9 (Eng. Abstr.) **(Rus)**

[Pathomorphologic characteristics of the healing process of laser surgical wounds of the pancreas] Parkhomenko IuG. **Arkh Patol** 1983;45(9):30–5 (Eng. Abstr.) **(Rus)**

[Granulation tissue: inflammation and regeneration] Shekhter

AB, et al. **Arkh Patol** 1984;46(2):20–9 (Eng. Abstr.) **(Rus)**

[Role of lymphocyte–fibroblast contacts in wound healing] Vaganov FV. **Arkh Patol** 1984;46(6):47–52 (Eng. Abstr.) **(Rus)**

[Effect of a constant magnetic field on the respiration of human skin during reparative and destructive processes] Rabinovich EZ, et al. **Biofizika** 1983 Jul–Aug;28(4):693–6 (Eng. Abstr.) **(Rus)**

[Use of a sinusoidal current of optimal frequency to stimulate the healing of skin wounds] Nikolaev AV, et al. **Biull Eksp Biol Med** 1984 Jun;97(6):731–4 (Eng. Abstr.) **(Rus)**

[Morphological and cytological characteristics of the burn healing process by various treatment methods] Tumanov VP, et al. **Biull Eksp Biol Med** 1983 Dec;96(12):107–10 (Eng. Abstr.) **(Rus)**

[Morphology of the healing of a common bile duct anastomosis performed using microsurgery (experimental study)] Zolotarevskii VIa, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):120–2 **(Rus)**

[Effect of reduced circulation on the union of diaphyseal fractures of the long tubular bones] Bolatashvili IF. **Khirurgiia (Mosk)** 1984 Jan;(1):45–7 (Eng. Abstr.) **(Rus)**

[Various indicators of protein metabolism and their prognostic significance in wound healing] Mazurik MF, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):13–5 (Eng. Abstr.) **(Rus)**

[Evaluation of reparative processes in wounds] Shaposhnikov IuG, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):11–3 (Eng. Abstr.) **(Rus)**

[Tensiometry of wounds in daily surgical practice] Kovalenko IV. **Klin Khir** 1984 Jan;(1):52–4 (Eng. Abstr.) **(Rus)**

[Healing of bone defects with plastic repair using embryonic bone-based transplantation materials] Grigor'ian AS, et al. **Stomatologiia (Mosk)** 1983 Sep–Oct;62(5):23–7 (Eng. Abstr.) **(Rus)**

[35S incorporation into the mandibular bone during the course of the healing process in fractures in rats] Sumarokov DD, et al. **Stomatologiia (Mosk)** 1983 Nov–Dec;62(6):49–51 (Eng. Abstr.) **(Rus)**

[Treatment of the muscles in primary amputation of the lower extremity] Keier AN, et al. **Vestn Khir** 1983 Jul;131(7):93–7 (Eng. Abstr.) **(Rus)**

[Clinico–morphological characteristics of the wound process in acute lactation mastitis] Storozhuk VT, et al. **Vestn Khir** 1983 Oct;131(10):41–4 (Eng. Abstr.) **(Rus)**

[Use of low–frequency laser irradiation for the stimulation of healing of a neotympanic transplant after tympanoplasty] Bykov VL. **Vestn Otorinolaringol** 1984 Jan–Feb;(1):25–9 (Eng. Abstr.) **(Rus)**

[Evaluation of the atraumatic properties of bandages and the inflammatory reaction of wound surface by a smears method] Dudnikova GN. **Voen Med Zh** 1983 Jul;(7):68 **(Rus)**

[Effect of interference current and low–frequency magnetic field on tissue regeneration] Nikolova L, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May–Jun;(3):19–23 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of parathyroidectomy and vitamin D on fracture healing. Fracture biomechanics in rats after parathyroidectomy and treatment with 1,25–dihydroxycholecalciferol. Andreen O, et al. **Acta Orthop Scand** 1983 Dec;54(6):805–9

Mechanical effects of intramedullary acrylic cement on fracture healing in rats. Reikerås O. **Acta Orthop Scand** 1984 Jun;55(3):339–41

Zinc nutriture in the elderly in relation to taste acuity, immune response, and wound healing. Sandstead HH, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1046–59 (115 ref.)

Histamine–induced suppressor macrophage inhibits fibroblast growth and wound healing. Kenyon AJ, et al. **Am J Vet Res** 1983 Nov;44(11):2164–6

Effects of gentamicin solution and cream on the healing of open wounds. Lee AH, et al. **Am J Vet Res** 1984 Aug; 45(8):1487–92

Effect of beta–aminopropionitrile (BAPN) on corneal wound strength. Denlinger D, et al. **Ann Ophthalmol** 1984 Jul; 16(7):625–7

Experimental and clinical observations of the effects of cytotoxic chemotherapeutic drugs on wound healing. Bland KI, et al. **Ann Surg** 1984 Jun;199(6):782–90

Antiviral medications and corneal wound healing. Lass JH, et al. **Antiviral Res** 1984 Jun;4(3):143–57

Nonhealing erosions with granulation tissue in the treatment of acne lesions during isotretinoin therapy [letter] Spear KL, et al. **Arch Dermatol** 1984 Sep;120(9):1142

Fibronectin enhancement of corneal epithelial wound healing of rabbits in vivo. Nishida T, et al. **Arch Ophthalmol** 1984 Mar;102(3):455–6

Timolol inhibits corneal epithelial wound healing in rabbits and monkeys. Nork TM, et al. **Arch Ophthalmol** 1984 Aug; 102(8):1224–8

Antibiotics and corneal epithelial wound healing. Petroutsos G, et al. **Arch Ophthalmol** 1983 Nov;101(11):1775–8

The effects on wound healing of three amino acids—a comparison of two models. Harvey SG, et al. **Br J Dermatol** 1984 Jul;111 Suppl 27:171–3

The effect of topical hyperalimentation on wound healing rate and granulation tissue formation of experimental deep second degree burns in guinea–pigs. Kaufman T, et al. **Burns Incl Therm Inj** 1984 Apr;10(4):252–6

Effect of a protein–free haemodialysate on tissue respiration and healing of burns. Rudowski W, et al. **Burns Incl Therm Inj** 1984 Jun;10(5):363–7

Comparison of the effects of EGF, pFGF and EDGF on corneal epithelium wound healing. Petroutsos G, et al. **Curr Eye Res** 1984 Apr;3(4):593–8

Lack of effect of pilocarpine on corneal epithelial wound healing. Robin JB, et al. **Curr Eye Res** 1984 Mar;3(3):403–6

Effects of preparation–H on wound healing in the rectum of man. Subramanyam K, et al. **Dig Dis Sci** 1984 Sep; 29(9):829–32

Effect of antiproliferative agents on healing of dead space wounds in rats. Patil PA, et al. **Indian J Med Res** 1984 Mar;79:445–7

Fibrinogen and fibronectin as substrates for epidermal cell migration during wound closure. Donaldson DJ, et al. **J Cell Sci** 1983 Jul;62:117–27

Inhibition of wound healing by topical steroids. Marks JG Jr, et al. **J Dermatol Surg Oncol** 1983 Oct;9(10):819–21

The effect of topical insulin on infected cutaneous ulcerations in diabetic and nondiabetic mice. Hanam SR, et al. **J Foot Surg** 1983 Winter;22(4):298–301

Healing of hyaluronic acid–enriched wounds: histological observations. Abatangelo G, et al. **J Surg Res** 1983 Nov; 35(5):410–6

Ibuprofen inhibition of postsurgical adhesion formation: a time and dose response biochemical evaluation in rabbits. Nishimura K, et al. **J Surg Res** 1984 Feb;36(2):115–24

Influence of bronchial circulation and corticosteroid therapy on bronchial anastomotic healing. Pinsker KL, et al. **J Thorac Cardiovasc Surg** 1984 Mar;87(3):439–44

Local tetrachlorodecaoxide treatment to improve oxygen supply to non–healing wounds [letter] Hinz J, et al. **Lancet** 1984 Sep 15;2(8403):630

Epidermal growth factor in the healing of corneal wounds, epidermal wounds and partial–thickness scalds. A controlled animal study. Arturson G. **Scand J Plast Reconstr Surg** 1984;18(1):33–7

Chemotherapy and wound healing. Falcone RE, et al. **Surg Clin North Am** 1984 Aug;64(4):779–94 (92 ref.)

Jaundice and the effect of sodium taurocholate taken orally upon abdominal wound healing. Askew AR, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):207–9

Cyclosporine. Effects on wound healing, composite grafts, skin, cornea, and vein allografts. **Transplant Proc** 1983 Dec; 15(4 Suppl 1–2):3051–93

[Pharmacologic and cytomorphologic characteristics of a drug which stimulates the healing of traumatic and surgical wounds] Klouchek–Popova E, et al. **Khirurgiia (Sofiia)** 1984;37(1):17–20 **(Bul)**

[Clinical observation on the effect of stimulin on fracture healing] Xie XM. **Chung Hua Wai Ko Tsa Chih** 1983 Oct; 21(10):584–6 (Eng. Abstr.) **(Chi)**

[PHZ–102 (epidermal growth factor) and cicatrization of the corneal epithelium] Petroutsos G, et al. **J Fr Ophtalmol** 1983;6(12):959–62 (Eng. Abstr.) **(Fre)**

[Antiviral agents and cicatrization of the corneal stroma] Petroutsos G, et al. **J Fr Ophtalmol** 1983;6(6–7):593–6 (Eng. Abstr.) **(Fre)**

[Healing of the sacral wound cavity after abdomino–perineal extirpation of the rectum. A prospective randomized study using metronidazole] Wacha H, et al. **Chirurg** 1984 Jan; 55(1):29–31 (Eng. Abstr.) **(Ger)**

[Stimulation of wound healing by tetrachlordecaoxide. Results of a randomized double–blind study] Hinz J, et al. **Fortschr Med** 1984 May 10;102(18):523–8 (Eng. Abstr.) **(Ger)**

[Follow–up treatment of vaginal hysterectomies using a bensopyrone preparation. Single–blind study on the subject of prevention of disorders of wound healing] Pethö A. **Fortschr Med** 1984 May 3;102(17):493–6 (Eng. Abstr.) **(Ger)**

[Acceleration of fracture healing with factor XIII] Claes L, et al. **Helv Chir Acta** 1984 Jun;51(2):209–12 (Eng. Abstr.) **(Ger)**

[Experimental study of the local application of silver sulfadiazine, cefsulodin and povidone–iodine in burns] Kaiser W, et al. **Infection** 1984 Jan–Feb;12(1):31–5 (Eng. Abstr.) **(Ger)**

[The effect of Solcoseryl eye gel in combination with neomycin and bacitracin on the healing of corneal lesions after foreign body removal] Haydon P. **Klin Monatsbl Augenheilkd** 1983 Sep;183(3):213–5 (Eng. Abstr.) **(Ger)**

[The effect of cisplatin on the healing of intestinal anastomosis in the rat. Microangiography and light microscopy studies] Engelmann U, et al. **Urol Int** 1984;39(2):73–9 (Eng. Abstr.) **(Ger)**

[Treatment of granulating wounds in plastic surgery] Donati L, et al. **Minerva Chir** 1983 Oct 15;38(19):1527–30 **(Ita)**

[Biological bases of tissue synthesis using human fibrin glue] Pini Prato GP, et al. **Minerva Stomatol** 1983 Nov–Dec; 32(6):903–14 (89 ref.) (Eng. Abstr.) **(Ita)**

[Effect of current anti–inflammatory agents on the reparative stage of inflammation] Nasyrov KhM, et al. **Farmakol Toksikol** 1984 Jan–Feb;47(1):84–8 (Eng. Abstr.) **(Rus)**

[Use of levamisole in the treatment of purulent wounds] Ol'shanetskii AA, et al. **Klin Khir** 1984 Jan;(1):46–7 (Eng. Abstr.) **(Rus)**

[Role of prolonged enzyme therapy in the combined treatment of prolonged non–healing wounds] Kulikov LK, et al. **Vestn Khir** 1983 Sep;131(9):53–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of preoperative irradiation on healing of low colorectal anastomoses. Morgenstern L, et al. **Am J Surg** 1984 Feb; 147(2):246–9

Ultraviolet light and hyperpigmentation in healing wounds. Wiemer DR, et al. **Ann Plast Surg** 1983 Oct;11(4):328–30

Effects of low energy laser on wound healing in a porcine model. Hunter J, et al. **Lasers Surg Med** 1984;3(4):285–90

The effect of radiation on connective tissue. Moore MJ. **Otolaryngol Clin North Am** 1984 May;17(2):389–99 (31 ref.)

[Prevention of postoperative and wound complications—a promising direction of radiotherapy of nontumorous diseases] Kiškovskij AN, et al. **Radiobiol Radiother (Berl)** 1983;24(4):437–45 (Eng. Abstr.) **(Ger)**

[Cancer of the epipharynx: criteria for local tumor regression and healing following percutaneous radiotherapy] Greiner R, et al. **Strahlentherapie [Sonderb]** 1984;78:49–57 **(Ger)**

[Effect of pulsating magnetic fields on the healing of long bone fractures in rats] Synder M. **Chir Narzadow Ruchu Ortop Pol** 1983;48(1):7–10 (Eng. Abstr.) **(Pol)**

[Metabolic effects of infrared laser radiation in the area of posttraumatic wound regeneration] Chesnokova NP, et al. **Biull Eksp Biol Med** 1983 Sep;96(9):49–51 (Eng. Abstr.) **(Rus)**

[Characteristics of the regeneration of mouth and pharyngeal mucosa exposed to helium–neon laser] Berezin IuD, et al. **Vestn Khir** 1984 May;132(5):64–5 **(Rus)**

WOUND INFECTION

Povidone–iodine and wound infection [editorial] Zamora JL. **Surgery** 1984 Jan;95(1):121–2

[Suppurative complications of fractures of the lower extremities] Agadzhanian VV, et al. **Vestn Khir** 1983 Aug; 131(8):63–6 (Eng. Abstr.) **(Rus)**

BLOOD

Increased thromboxane B2 levels in the plasma of burned and septic burned patients. Herndon DN, et al. **Surg Gynecol Obstet** 1984 Sep;159(3):210–3

COMPLICATIONS

Wound botulism. Report of a case complicating head injury. Wang WJ, et al. **Chin Med J [Engl]** 1983 Apr;96(4):315–7

Postoperative gas gangrene. Meltzer RM, et al. **J Foot Surg** 1983 Summer;22(2):126–33 (41 ref.)

Acute post–streptococcal glomerulonephritis following ear piercing. Ahmed–Jushuf IH, et al. **Postgrad Med J** 1984 Jan;60(699):73–4

[Acute infectious arthritis caused by hemolytic streptococci group A] Bak P. **Ugeskr Laeger** 1984 Jan 2;146(1):31–2 (Eng. Abstr.) **(Dan)**

[Microinjuries and suppurative diseases of the fingers among rural inhabitants] Omirov RIu, et al. **Ortop Travmatol Protez** 1983 Sep;(9):56–7 **(Rus)**

DIAGNOSIS

Bacteriological swabs in hip surgery. Anderton JM, et al. **Acta Orthop Scand** 1983 Aug;54(4):589–91

The potential value of the sedimentation rate in monitoring treatment outcome in puncture–wound–related Pseudomonas osteomyelitis. Crosby LA, et al. **Clin Orthop** 1984 Sep;(188):168–72

[Infected scalp hematoma] Handrick W, et al. **Zentralbl Gynakol** 1983;105(15):1011–3 (Eng. Abstr.) **(Ger)**

[Course of nonclostridial anaerobic infections in suppurative open fractures and osteomyelitis] Okhotskii VP, et al. **Ortop Travmatol Protez** 1983 Oct;(10):1–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A new in vivo model for the evaluation of topical antiseptics on superficial wounds. The effect of 70% alcohol and povidone–iodine solution. Mertz PM, et al. **Arch Dermatol** 1984 Jan;120(1):58–62

Topical chlorhexidine diphosphanilate (WP–973) in burn wound sepsis. McManus AT, et al. **Arch Surg** 1984 Feb; 119(2):206–11

More on debrisan for ulcers and infected wounds. **Drug Ther Bull** 1984 Feb 24;22(4):15–6

Infections in burned patients. Mayhall CG, et al. **Infect Control** 1983 Nov–Dec;4(6):454–9

Clinical use and efficacy of Furacin: a historical perspective. Hooper G, et al. **J Int Med Res** 1983;11(5):289–93 (33 ref.)

Treatment of invasive Enterobacter cloacae burn wound sepsis with topical nitrofurazone. Munster AM. **J Trauma** 1984 Jun;24(6):524–5

[Experimental study of the local application of silver sulfadiazine, cefsulodin and povidone–iodine in burns] Kaiser W, et al. **Infection** 1984 Jan–Feb;12(1):31–5 (Eng. Abstr.) **(Ger)**

[Experimental and clinical experience with Debrisan, a new material for the treatment of wounds] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(2):133–40 (Eng. Abstr.) **(Hun)**

[Clinical effect of cefroxadine on surgical infections] Aikawa T, et al. **Jpn J Antibiot** 1983 Sep;36(9):2521–8 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic prediction of the efficacy of using sisomicin in wound infections] Firsov AA, et al. **Antibiotiki** 1983 Oct;28(10):772–8 (Eng. Abstr.) **(Rus)**

[Chemotherapy of Pseudomonas aeruginosa infection in trauma and orthopedic patients] Mel'nikova VM, et al. **Antibiotiki** 1983 Sep;28(9):689–93 (Eng. Abstr.) **(Rus)**

[Local treatment of suppurative wounds] Datsenko BM, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):136–41 **(Rus)**

[Biocompatible biodestructible polyurethanes with antibacterial action] Chuprina LN, et al. **Klin Khir** 1984 Jan;(1):33–6 (Eng. Abstr.) **(Rus)**

[Multicomponent ointments with hydrophilic bases for the treatment of purulent wounds] Datsenko BM, et al. **Klin Khir** 1984 Jan;(1):10–4 (Eng. Abstr.) **(Rus)**

[Treatment of purulent wounds with ethonium] Kavkalo DN. **Klin Khir** 1984 Jan;(1):47–9 (Eng. Abstr.) **(Rus)**

[Use of levamisole in the treatment of purulent wounds] Ol'shanetskiĭ AA, et al. **Klin Khir** 1984 Jan;(1):46–7 (Eng. Abstr.) **(Rus)**

[Experience in the use of SKN–1K sorbent in the treatment of purulent wounds] Taranenko LD, et al. **Klin Khir** 1984 Jan;(1):44–6 (Eng. Abstr.) **(Rus)**

[Experimental and clinical study of the effect of a birch–bud tincture on infected wounds] Zakharov NA, et al. **Klin Khir** 1984 Jan;(1):72–3 **(Rus)**

[Course of the wound process during treatment with immobilized proteolytic enzymes] Kogan AS, et al. **Vestn Khir** 1983 Aug;131(8):50–4 (Eng. Abstr.) **(Rus)**

[Intra–arterial infusion in the treatment of severe injuries and suppurative–inflammatory processes in the upper limb] Radushkevich VL, et al. **Vestn Khir** 1984 May;132(5):78–80 (Eng. Abstr.) **(Rus)**

[Urea as an antimicrobial and dehydration agent for the local treatment of suppurative surgical infection] Tiukina AA, et al. **Vestn Khir** 1984 Jul;132(7):57–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Spectrum of Vibrio infections in a Gulf Coast community. Bonner JR, et al. **Ann Intern Med** 1983 Oct;99(4):464–9

Risk of infection following laparotomy for penetrating abdominal injury. Dellinger EP, et al. **Arch Surg** 1984 Jan; 119(1):20–7

Increased susceptibility to infection related to extent of burn injury. Yurt RW, et al. **Arch Surg** 1984 Feb;119(2):183–8

Severe cellulitis due to Aeromonas hydrophilia following immersion injury. Winslow DL, et al. **Del Med J** 1984 Jun; 56(6):361–2

Serial knee infections with enteric pathogens. Dascal A, et al. **Hosp Pract [Off]** 1984 Aug;19(8):32I, 32L, 32P

Synergistic bacterial gangrene and allied lesions: a unified etiological theory. Mbonu OO, et al. **Int Surg** 1983 Oct–Dec;68(4):323–4

[General and local suppurative infection] Struchkov VI, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):3–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Evaluation of host defenses after trauma. Damas P. **Acta Anaesthesiol Belg** 1983 Sep;34(3):151

Influence of capillary multifilament sutures on the antibacterial action of inflammatory cells in infected wounds. Osterberg B. **Acta Chir Scand** 1983;149(8):751–7

Protection against fatal Klebsiella pneumoniae burn wound sepsis by passive transfer of anticapsular polysaccharide. Cryz SJ Jr, et al. **Infect Immun** 1984 Jul;45(1):139–42

Relative roles of burn injury, wound colonization, and wound infection in induction of alterations of complement function in a guinea pig model of burn injury. Bjornson AB, et al. **J Trauma** 1984 Feb;24(2):106–15

[Evaluation of several immunologic indices in suppurative surgical infections] Barashkov VG, et al. **Vestn Khir** 1984 Feb;132(2):7–11 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of a semiocclusive dressing on the microbial population in superficial wounds. Mertz PM, et al. **Arch Surg** 1984 Mar;119(3):287–9

Assessment of burn wound sepsis by swab, full thickness biopsy culture and blood culture—a comparative study. Bharadwaj R, et al. **Burns Incl Therm Inj** 1983 Nov; 10(2):124–6

Bacteriology of burn wound using the quantitative full thickness biopsy technique. Bharadwaj R, et al. **Indian J Med Res** 1983 Sep;78:337–42

Experimental Klebsiella pneumoniae burn wound sepsis: role of capsular polysaccharide. Cryz SJ Jr, et al. **Infect Immun** 1984 Jan;43(1):440–1

Wound infections caused by Vibrio vulnificus, a marine vibrio, in inland areas of the United States. Tacket CO, et al. **J Clin Microbiol** 1984 Feb;19(2):197–9

Treatment of infected skin wounds using ultra–violet radiation—an in–vitro study. High AS, et al. **Physiotherapy** 1983 Oct 10;69(10):359–60

Role of anaerobic bacteria in bite–wound infections. Goldstein EJ, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S177–83 (63 ref.)

Anaerobes in burn–wound infections. Murray PM, et al. **Rev Infect Dis** 1984 Mar–Apr;6 Suppl 1:S184–6 (23 ref.)

[Severe wound infection caused by Pasteurella multocida. A complication to dog bite injuries] Larsen PN, et al. **Ugeskr Laeger** 1984 Jan 30;146(5):358–9 (Eng. Abstr.) **(Dan)**

[Bacillus cereus: a wound contaminant but also a causative agent of severe general infections?] Tjong Joe Wai R, et al. **Ned Tijdschr Geneeskd** 1984 Jun 23;128(25):1183–7 (Eng. Abstr.) **(Dut)**

[Microbiological analysis of experimental burn wounds in swine during treatment with silver sulfadiazine] Denys A, et al. **Med Dosw Mikrobiol** 1983;35(2):155–62 (Eng. Abstr.) **(Pol)**

[Method of quantitative determination of microbial contamination of burns and suppurative wounds] Filippovich IuV, et al. **Lab Delo** 1983;(8):56–8 (Eng. Abstr.) **(Rus)**

[Characteristics of the causative agents of burn wound suppuration] Fedorovskaia EA, et al. **Vestn Khir** 1984 Jul; 132(7):81–3 **(Rus)**

[Usefulness of the antiseptigram in the management of infected wounds (letter)] Becerra E, et al. **Rev Med Chil** 1983 Jun;111(6):601–2 **(Spa)**

PATHOLOGY

[Intracranial gas edema infection following craniocerebral trauma] Colmant HJ, et al. **Nervenarzt** 1984 Feb;55(2):90–5 **(Ger)**

[Comparative clinico–morphological characteristics of peace–time anaerobic infections] Ageev AK, et al. **Arkh Patol** 1984;46(1) 57–63 (Eng. Abstr.) **(Rus)**

[Penetrating knife wound of the abdomen complicated by putrefactive infection of the anterior abdominal wall] Luk'ianov LM, et al. **Vestn Khir** 1984 Jul;132(7):81 **(Rus)**

PHYSIOPATHOLOGY

Contamination of oral wounds with saliva and bacteria. Ramström G. **Scand J Haematol [Suppl]** 1984;40:423–7

PREVENTION & CONTROL

Polytetrafluoroethylene versus autogenous vein grafts for vascular reconstruction in contaminated wounds. Stone KS, et al. **Am J Surg** 1984 May;147(5):692–5

Evaluation of efficacy of cefoxitin in the prevention of abdominal trauma infections. Mbawa NC, et al. **Am Surg** 1983 Nov;49(11):582–5

Evaluation of prophylactic oxacillin in cat bite wounds. Elenbaas RM, et al. **Ann Emerg Med** 1984 Mar;13(3):155–7

Active and passive immunization against Pseudomonas aeruginosa infection of burned patients. Roe EA, et al. **Burns Incl Therm Inj** 1983 Jul;9(6):433–9

Effect of cap and mask on infection rates in wounds sutured in the emergency department. Ruthman JC, et al. **IMJ** 1984 Jun;165(6):397–9

Infection of percutaneous devices: prevention, monitoring, and treatment. Dasse KA. **J Biomed Mater Res** 1984 Apr; 18(4):403–11

An experimental evaluation of antiseptic wound irrigation. Platt J, et al. **J Hosp Infect** 1984 Jun;5(2):181–8

An approach to infection problems in major burns. Saizy R, et al. **Panminerva Med** 1983 Jul–Sep;25(3):193–6

[Norfloxacin: a new oral chemotherapeutic agent effective against multi–drug–resistant Gram–negative bacteria and cocci. Rational directions for treatment] Panichi G, et al. **G Ital Chemioter** 1984 Jan–Aug;31(1–2):65–71 (Eng. Abstr.) **(Ita)**

[Prevention and treatment of post–traumatic osteomyelitis] Bielawski J. **Chir Narzadow Ruchu Ortop Pol** 1982; 47(5–6):437–41 (Eng. Abstr.) **(Pol)**

[Usefulness of bacteriological studies and selected tests for non–specific immunity in the treatment of severe burns] Popiel D, et al. **Pol Tyg Lek** 1983 Dec 5;38(49):1533–6 (Eng. Abstr.) **(Pol)**

[Physiopathology and prevention of infections in patients with multiple trauma] Younes RN, et al. **Rev Paul Med** 1983 Mar–Apr;101(2):68–73 **(Por)**

[Open method of treating burn patients in isolation wards with infrared irradiation] Kuzin MI, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):127–32 **(Rus)**

[Course of the wound process during burn treatment in a controlled abacterial environment] Sologub VK, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):91–5 (Eng. Abstr.) **(Rus)**

[Complications and risks in the treatment of open fractures] Struchkov VI, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):108–11 **(Rus)**

[Local use of antibacterial agents with dimexide in the combined prophylaxis of purulent complications of open wounds of the hand] Fil' Iula, et al. **Klin Khir** 1984 Jan; (1):49–52 (Eng. Abstr.) **(Rus)**

[Prevention of wound infection after open injuries of the limbs by hyperbaric oxygenation] Atroshchenko ZB. **Vestn Khir** 1984 Mar;132(3):114–7 (Eng. Abstr.) **(Rus)**

[Use of first–aid aerosol containers] Ageeva MG. **Voen Med Zh** 1984 May;(5):59–60 **(Rus)**

[Wyas of improving the effectiveness of surgical treatment of gunshot wounds] Lisitsyn KM, et al. **Voen Med Zh** 1984 Mar;(3):37–9 **(Rus)**

[Prevention of purulent infection in penetrating eye injuries using drug implants] Maĭchuk IuF, et al. **Voen Med Zh** 1983 Dec;(12):57 **(Rus)**

RADIOTHERAPY

[Prevention of postoperative and wound complications—a promising direction of radiotherapy of nontumorous diseases] Kiĭkovskiĭ AN, et al. **Radiobiol Radiother (Berl)** 1983;24(4):437–45 (Eng. Abstr.) **(Ger)**

SURGERY

Polytetrafluoroethylene grafts in the rapid reconstruction of acute contaminated peripheral vascular injuries. Shah DM, et al. **Am J Surg** 1984 Aug;148(2):229–33

Treatment of infected tibial pseudarthrosis by external fixation with the Wagner device. Valentí JR, et al. **Arch Orthop Trauma Surg** 1984;102(4):256–9

The open bone graft for septic nonunion. Green SA, et al. **Clin Orthop** 1983 Nov;(180):117–24

Guidelines for treatment of open fractures and infected pseudarthroses by external fixation. Vidal J, et al. **Clin Orthop** 1983 Nov;(180):83–95

Meshed skin grafts versus sheet skin grafts on a contaminated bed. Nappi JF, et al. **J Dermatol Surg Oncol** 1984 May; 10(5):380–1

Expanded microporous polytetrafluoroethylene (PTFE) grafts in contaminated wounds: experimental and clinical study. Shah PM, et al. **J Trauma** 1983 Dec;23(12):1030–3

The compromised bed technique. An improved method for skin grafting problem wounds. Tobin GR. **Surg Clin North Am** 1984 Aug;64(4):653–8

An improved method of delayed primary closure. An aggressive management approach to unfavorable wounds. Tobin GR. **Surg Clin North Am** 1984 Aug;64(4):659–66

Closure of contaminated wounds. Biologic and technical considerations. Tobin GR. **Surg Clin North Am** 1984 Aug; 64(4):639–52 (44 ref.)

Myocutaneous and muscle flap reconstruction of problem wounds. Tobin GR. **Surg Clin North Am** 1984 Aug; 64(4):667–81

[Management of wound infections in electric burns of the forearm with early vascular grafting] Wang XW. **Chung Hua Wai Ko Tsa Chih** 1983 Apr;21(4):241–2 **(Chi)**

[Infected joint fracture. Diagnosis, treatment and results in 63 patients] Giebel G, et al. **Chirurg** 1984 May;55(5):318–25 (Eng. Abstr.) **(Ger)**

[Soft tissue–plasty for the restoration of infected defects of the lower extremity] Habermeyer P, et al. **Orthopade** 1983 Sep;12(4):205–17 **(Ger)**

[Our experience with the treatment of post–traumatic osteomyelitis of the long bone shafts] Bołoczko S, et al. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):447–50 (Eng. Abstr.) **(Pol)**

[Treatment of post–traumatic osteomyelitis] Milecki M. **Chir Narzadow Ruchu Ortop Pol** 1982;47(5–6):443–6 (Eng. Abstr.) **(Pol)**

[Various aspects of morphological variants of healing of experimentally infected fractured treated conservatively and surgically] Szram S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):249–53 (Eng. Abstr.) **(Pol)**

[Evaluation of callus formation after conservative and surgical treatment of experimental infected fractures] Zołyński K, et al. **Chir Narzadow Ruchu Ortop Pol** 1983; 48(3):245–7 (Eng. Abstr.) **(Pol)**

[Management of contaminated injuries of the iliac artery] Aun R, et al. **Rev Paul Med** 1983 Jul–Aug;101(4):151–2 **(Por)**

[External vacuum–aspiration in the treatment of diseases of soft tissues] Lokhvitskiĭ SV, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):130–4 **(Rus)**

[General principles of treating suppurative wounds] Kuzin MI, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):45–9 (Eng. Abstr.) **(Rus)**

[Treatment of suppurative wounds with a carbon dioxide laser] Skobelkin OK, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):92–5 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of atypical mycobacterial disease. Bailey WC. **Chest** 1983 Nov;84(5):625–8

Clinical and experimental studies on 'Shengji (tissue–growing)' ointment in infected open fractures. Wang BQ, et al. **J Tradit Chin Med** 1981 Sep;1(1):11–8

A new instrument for closed irrigation–suction treatment. Kawashima M, et al. **Nippon Seikeigeka Gakkai Zasshi** 1983 Jun;57(6):643–50

[Use of SISpur–derm in aseptic and infected wounds] Rideberger E, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):28–9 **(Rus)**

[Plastic repair of traumatic defects of the leg in suppurative infections] Umiarov GA. **Khirurgiia (Mosk)** 1984 Jan; (1):132–5 **(Rus)**

[Treatment of suppurative–inflammatory processes by roentgen irradiation combined with the local use of collocyl] Kavkalo DN, et al. **Klin Khir** 1984 Jan;(1):7–10 (Eng. Abstr.) **(Rus)**

[Quantum hemotherapy under experimental and clinical conditions] Bobkov Iul, et al. **Patol Fiziol Eksp Ter** 1984 Jan-Feb;(1):76-8 **(Rus)**

[Vacuum treatment of suppurative wounds] Kostiuchenok BM, et al. **Sov Med** 1984;(2):108-10 **(Rus)**

[Treatment of suppurative wounds in a controlled bacterial environment] Kostiuchenok BM, et al. **Vestn Akad Med Nauk SSSR** 1983;(8):69-73 (Eng. Abstr.) **(Rus)**

[Hemosorption in the treatment of toxemia and septic conditions after severe mechanical trauma] Deriabin II, et al. **Vestn Khir** 1984 May;132(5):103-6 (Eng. Abstr.) **(Rus)**

[Experimental-clinical basis for a method of draining suppurative wounds with Sephadex] Griazno- VN, et al. **Vestn Khir** 1984 Feb;132(2):124-5 **(Rus)**

[Prolonged intra-arterial infusions of antibiotics and plastic operations in the treatment of severe injuries of the extremities complicated by infection] Kazarezov MV, et al. **Vestn Khir** 1983 Sep;131(9):90-4 (Eng. Abstr.) **(Rus)**

[Treatment of microbe-contaminated wounds using an occlusion method] Mitiuk II, et al. **Vestn Khir** 1983 Nov; 131(11):64-6 **(Rus)**

VETERINARY

Management of thermal injuries in large animals. Geiser DR, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Mar; 6(1):91-105 (17 ref.)

WOUNDS AND INJURIES

see related
DEBRIDEMENT
FIRST AID
TRANSPORTATION OF PATIENTS

Adrenocortical suppression in multiply injured patients: a complication of etomidate treatment [letter] **Br Med J [Clin Res]** 1984 Feb 11;288(6415):485-6

Wound fluids mediate granulation tissue growth phases. Jalkanen M, et al. **Cell Biol Int Rep** 1983 Sep;7(9):745-53

Symposium on injuries to dancers. **Clin Sports Med** 1983 Nov; 2(3):457-641

Motorcycle accidents: a study of 600 consecutive patients treated at Ramathibodi Hospital. Hanpadungdhama A, et al. **J Med Assoc Thai** 1983 Sep;66(9):519-29

The importance of operational definitions in design of a combat casualty information system. Henderson JV. **J Med Syst** 1983 Oct;7(5):413-26

Children's and adults' assignment of blame for personal injury. Nelson Le Gall SA. **J Psychol** 1984 May;117(1st Half):135-42

Geriatric trauma: injury patterns and outcome. Oreskovich MR, et al. **J Trauma** 1984 Jul;24(7):565-72

Lebanese war. **Middle East J Anaesthesiol** 1983 Feb-Jun; 7(1-2):1-161

Repeated anaesthesia over short intervals in patients with multiple trauma and sepsis [letter] Shipton EA. **S Afr Med J** 1984 Feb 18;65(7):233

[Cooperation of Prague anatomists with orthopedists and traumatologists] Doskočil M. **Acta Chir Orthop Traumatol Cech** 1983 Oct;50(5):391-5 (Eng. Abstr.) **(Cze)**

[Polytraumatism--polytrauma] Spaček B. **Rozhl Chir** 1983 Dec;62(12):793-5 **(Cze)**

[French Society of Orthopedic and Traumatologic Surgery Membership list] **Rev Chir Orthop** 1984;70 Suppl 1:1-68 **(Fre)**

[Proceedings of the German Society for Orthopedics and Traumatology. 70th meeting. 20-24 September 1983, Essen. Abstracts] **Z Orthop** 1984 Jul-Aug;122(4):373-619 **(Ger)**

[Proceedings of the German Society for Orthopedics and Traumatology. 69th meeting, 15-18 September 1982, Mainz. Abstracts] **Z Orthop** 1983 Jul-Aug;121(4):337-538 **(Ger)**

[Neurosurgical diagnosis and treatment of craniocerebral trauma in polytraumatized patients (study of 920 cases)] Rusu M, et al. **Rev Med Interna [Neurol Psihiatr]** 1983 Oct-Dec;28(4):293-303 (42 ref.) (Eng. Abstr.) **(Rum)**

[Urgent tasks of orthopedist-traumatologists] Korzh AA. **Ortop Travmatol Protez** 1984 Jan;(1):1-4 **(Rus)**

[Trauma record card] Abdrashitov RS, et al. **Voen Med Zh** 1983 Sep;(9):11-3 **(Rus)**

[Simulating the wounded and injured] Balakin VA, et al. **Voen Med Zh** 1984 Jun;(6):17 **(Rus)**

[Current problems of modern traumatology] Poliakov VA. **Voen Med Zh** 1983 Jul;(7):32-4 **(Rus)**

BLOOD

Trauma and oral anticoagulants. O'Mara K, et al. **Ann Emerg Med** 1983 Nov;12(11):700-3

Free fatty acid mobilization and oxidation during total parenteral nutrition in trauma and infection. Nordenström J, et al. **Ann Surg** 1983 Dec;198(6):725-35

Altered hormonal activity in severely ill patients after injury or sepsis. Baue AE, et al. **Arch Surg** 1984 Oct; 119(10):1125-32

Glucocorticoids and catecholamines as mediators of acute-phase proteins, especially rat alpha-macrofoetoprotein. van Gool J, et al. **Biochem J** 1984 May 15;220(1):125-32

Preliminary observations on thyroxin, insulin and cortisol reactions following trauma. Liu Y, et al. **Chin Med J [Engl]** 1983 Aug;96(8):634-7

Trauma, high density lipoproteins, and serum amyloid protein A. Eriksen N, et al. **Clin Chim Acta** 1984 Jul 16; 140(2):139-49

Plasma somatomedin activity after injury in man and its relationship to other hormonal and metabolic changes. Frayn KN, et al. **Clin Endocrinol (Oxf)** 1984 Feb; 20(2):179-87

The relationship between plasma catecholamines and severity of injury in man. Davies CL, et al. **J Trauma** 1984 Feb; 24(2):99-105

Circulating thyroid hormone changes in acute trauma: prognostic implications for clinical outcome. Phillips RH, et al. **J Trauma** 1984 Feb;24(2):116-9

Metabolism of phosphate and calcium after severe accidental trauma. Finsterer U, et al. **Scand J Clin Lab Invest [Suppl]** 1983;165:117-22

Induction of hepatic protein synthesis by a peptide in blood plasma of patients with sepsis and trauma. Loda M, et al. **Surgery** 1984 Aug;96(2):204-13

[Essential fatty acids in the plasma of severely injured patients under parenteral feeding] Wolfram G, et al. **Klin Wochenschr** 1983 Dec 1;61(23):1181-9 (Eng. Abstr.) **(Ger)**

[Improved method for serum ferritin determination and the variation of serum ferritin values in the patients suffering from traffic trauma] Yajima T. **Nippon Ika Daigaku Zasshi** 1984 Feb;51(1):25-37 (Eng. Abstr.) **(Jpn)**

[Blood coagulation and fibrinolysis in the early phase of multiple injuries and extensive burns] Ikemura K, et al. **Rinsho Byori** 1983 Jun;31(6):651-5 **(Jpn)**

[Prognostic significance of the electrokinetic properties of erythrocytes of patients with multiple injuries and losses of blood] Berezina TL, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):47-50 (Eng. Abstr.) **(Rus)**

[Traumatic disease and metabolism] Deriabin II, et al. **Vestn Khir** 1984 Jun;132(6):61-5 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Inadequacies of the ICD E code [letter] Cryer C, et al. **Community Med** 1984 May;6(2):163-4

Measuring the severity of injury: the validity of the revised estimated survival probability index. Goldberg JL, et al. **J Trauma** 1984 May;24(5):420-7

Severity measurement in multiple trauma by use of ICDA conditions. Levy PS, et al. **Stat Med** 1982 Apr-Jun; 1(2):145-52

[Analysis of 848 cases of trauma using the injury severity score] Zhou ZD. **Chung Hua Wai Ko Tsa Chih** 1983 May; 21(5):281-3 (Eng. Abstr.) **(Chi)**

[An index of injuries] Belgerden S, et al. **Zentralbl Chir** 1984; 109(9):628-30 **(Ger)**

[Classification of combined trauma] Rusakov AB. **Sov Med** 1983;(11):31-4 (Eng. Abstr.) **(Rus)**

[Problems of nosology and the international classification of diseases, injuries and causes of death in the work of the forensic physician] Avtandilov GG, et al. **Sud Med Ekspert** 1984 Jan-Mar;27(1):7-10 (Eng. Abstr.) **(Rus)**

[Classification of aviation trauma] Sveshnikov VA, et al. **Sud Med Ekspert** 1983 Oct-Dec;26(4):41-3 **(Rus)**

COMPLICATIONS

Infusion analgesia for acute war injuries. A comparison of pentazocine and ketamine. Bion JF. **Anaesthesia** 1984 Jun; 39(6):560-4

Post traumatic pain syndromes [editorial] Clough CG. **Br Med J [Clin Res]** 1984 Jan 21;288(6412):169-70

Adrenocortical suppression in multiply injured patients: a complication of etomidate treatment. Fellows IW, et al. **Br Med J [Clin Res]** 1983 Dec 17;287(6408):1835-7

A case of post-traumatic false aneurysm of the superior gluteal artery with compression of the sciatic nerve. Proschek R, et al. **Can J Surg** 1983 Nov;26(6):554-5

Signs of neutrophil and eosinophil activation in adult respiratory distress syndrome. Hällgren R, et al. **Crit Care Med** 1984 Jan;12(1):14-8

Fatal subarachnoid haemorrhages in relation to minor injuries in Denmark from 1967 to 1981. Simonsen J. **Forensic Sci Int** 1984 Jan;24(1):57-63

Efficacy of different DTPA treatment schedules for removal of 234Th from simulated wounds in rats. Peter-Witt E, et al. **Int J Radiat Biol** 1984 Jan;45(1):45-9

Evaluation of I.V. labetalol for treatment of posttraumatic hyperdynamic state. Morel DR, et al. **Intensive Care Med** 1984;10(3):133-7

Long term results in traumatic dislocation of the hip in children. Petrini A, et al. **Ital J Orthop Traumatol** 1983 Jun;9(2):225-30

The Koebner response with eruptive xanthomas [letter] Goldstein GD. **J Am Acad Dermatol** 1984 Jun;10(6):1064-5

Tuberculosis arising at the site of physical injury: eight case histories. Weir WR, et al. **J Infect** 1983 Jul;7(1):63-6

Indoprofen and pentazocine in post-traumatic pain. A double-blind, parallel-group comparative trial. Soave G, et al. **J Int Med Res** 1983;11(6):354-8

Response of traumatized splenectomized patients to immediate vaccination with polyvalent pneumococcal vaccine. Caplan ES, et al. **J Trauma** 1983 Sep;23(9):801-5

Multiple organ failure in polytrauma patients. Faist E, et al. **J Trauma** 1983 Sep;23(9):775-87

Resuscitation of trauma patients with type-specific uncrossmatched blood. Gervin AS, et al. **J Trauma** 1984 Apr;24(4):327-31

Interventional radiology: an alternative to operative drainage of post-traumatic abscesses. Sclafani SJ, et al. **J Trauma** 1984 Apr;24(4):299-306

Acute traumatic vertebral arteriovenous fistula: balloon occlusion with the use of a contralateral approach. Miller RE, et al. **Neurosurgery** 1984 Feb;14(2):225-9

Late abruptio placenta in trauma patients: implications for monitoring. Higgins SD, et al. **Obstet Gynecol** 1984 Mar; 63(3 Suppl):10S-12S

Atypical pseudoepitheliomatous hyperplasia in squamous cell carcinoma in chronic wounds [letter] Sagi A, et al. **Plast Reconstr Surg** 1984 Aug;74(2):315-6

Traumatic neurosis and other injuries. Modlin HC. **Psychiatr Clin North Am** 1983 Dec;6(4):661-82

Osseous interference of soft tissue healing. Hurwitz DJ. **Surg Clin North Am** 1984 Aug;64(4):699-704

Nosocomial Hemophilus pneumonia in patients with severe trauma. Miller EH Jr, et al. **Surg Gynecol Obstet** 1984 Aug; 159(2):153-6

Visual field defects in medico-legal cases. Gale D. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):347-50

Effect of trauma on malaria infection. Aina AO. **World J Surg** 1983 Jul;7(4):527-31

['Four method of diagnosis' in the observation of 489 cases of thrombotic syndrome in war injuries] Qin ML. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Apr;4(4):218-9 **(Chi)**

[Limits of objective clinical diagnosis of traumatic fat embolisms] Kroupa J. **Cas Lek Cesk** 1983 Sep 30; 122(39):1190-4 (Eng. Abstr.) **(Cze)**

[Polytrauma and craniocerebral injuries] Pospíšil M, et al. **Sb Lek** 1984 Jan;86(1):15-26 (Eng. Abstr.) **(Cze)**

[Reprimand to a surgeon who failed to notice a hip fracture in an accident patient with multiple trauma] **Ned Tijdschr Geneeskd** 1983 Oct 15;127(42):1936-8 **(Dut)**

[Benign development of Purtscher's syndromes] Augustin P, et al. **Bull Soc Ophtalmol Fr** 1983 Aug-Sep;83(8-9):1005-10 (Eng. Abstr.) **(Fre)**

[Acute posttraumatic or postoperative cholecystitis] Barras JP, et al. **Helv Chir Acta** 1984 Jun;51(2):261-3 (Eng. Abstr.) **(Fre)**

[Osteogenic sarcoma of soft tissue after post-traumatic myositis ossificans (letter)] Thyss A, et al. **Presse Med** 1984 May 19;13(21):1333-4 **(Fre)**

[Post-traumatic cholecystitis] Freising S, et al. **Chirurg** 1983 Aug;54(8):533-7 (Eng. Abstr.) **(Ger)**

[Trauma-induced thrombosis of the inferior vena cava] Bauer FE, et al. **Dtsch Z Verdau Stoffwechselkr** 1983;43(6):267-71 (Eng. Abstr.) **(Ger)**

[Computer tomography in traumatology. Invasive masses caused by injuries] Maas R, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:6-15 **(Ger)**

[Post-traumatic acute kidney failure in catastrophies] Frei E, et al. **Helv Chir Acta** 1984 Jun;51(2):161-6 (Eng. Abstr.) **(Ger)**

[Frequent occurrence of contrast medium reactions in urograms following accidents in childhood] Brinkmann H, et al. **Klin Padiatr** 1984 Mar-Apr;196(2):100-2 (Eng. Abstr.) **(Ger)**

[Contralateral local anesthesia in stump, phantom and post-traumatic pain] Gross D. **Reg Anaesth** 1984 Apr; 7(2):65-73 (Eng. Abstr.) **(Ger)**

[Acute kidney failure in patients with multiple injuries] Kunz A, et al. **Schweiz Med Wochenschr** 1984 Jun 16; 114(24):876-9 (Eng. Abstr.) **(Ger)**

[Concept of interdisciplinary procedures within the scope of traumatology--the status of urology] Zwergel T, et al. **Unfallchirurgie** 1983 Oct;9(5):244-8 (Eng. Abstr.) **(Ger)**

[The use of passive hemagglutination with turkey erythrocytes for the effective prevention of tetanus in wounded patients] Bistoni F, et al. **Boll Ist Sieroter Milan** 1983;62(6):575-9 (Eng. Abstr.) **(Ita)**

[Limitations of diagnostic peritoneal lavage in multi-injured patients with pelvic fractures] Casula G, et al. **Minerva Chir** 1983 Jul 15-31;38(13-14):1081-3 (Eng. Abstr.) **(Ita)**

[Acute ulcerative hemorrhages in injuries in late middle-aged and elderly persons] Iumashev GS, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):87-8 (Eng. Abstr.) **(Rus)**

[Features of the course of chronic bronchitis among World War II invalids] Mitropol'skii AN, et al. **Klin Med (Mosk)** 1983 Jul;61(7):35-7 (Eng. Abstr.) **(Rus)**

[2d wave of fat embolism--grave complication of multiple injuries] Kaplan MB. **Ortop Travmatol Protez** 1983 Oct; (10):52-3 **(Rus)**

[Post-traumatic disease] Deriabin II. **Vestn Khir** 1983 Oct; 131(10):75-9 (Eng. Abstr.) **(Rus)**

[Use of rifampicin in treating inflammatory complications in traumatology] Korlétianu MA, et al. **Vestn Khir** 1984 Jul; 132(7):79-80 (Eng. Abstr.) **(Rus)**

[Acute respiratory failure in severe nonthoracic injury. The concept of the inflammatory nature of shock lung (a review of the literature and the authors' own data)] Kriuk AS,

et al. **Vestn Khir** 1984 Jul;132(7):135–40 (44 ref.) **(Rus)**
[Clinico-pathophysiological aspects of post-traumatic disease] Nasonkin OS, et al. **Vestn Khir** 1983 Oct; 131(10):79–83 (Eng. Abstr.) **(Rus)**
[Prevention of wound complications during the transportation of patients] Kuz'min KP. **Voen Med Zh** 1983 Jul;(7):22–5 **(Rus)**

DIAGNOSIS

Wound assessment in clinical practice. A critical review of methods and their application. Forrest RD, et al. **Acta Med Scand [Suppl]** 1984;687:69–74
Diseases and accidents among seamen—an international comparison of distribution of diagnoses. Vuksanovič P, et al. **Bull Inst Marit Trop Med Gdynia** 1982;33(1–2):13–33
Further experience with the modified abbreviated injury severity scale. Mayer T, et al. **J Trauma** 1984 Jan;24(1):31–4
Emergency care of the injured child. Arensman RM, et al. **Postgrad Med** 1984 Jan;75(1):257–65
Non-accidental injury. Carne S. **Practitioner** 1984 Apr; 228(1390):415–19
Delayed cerebellar infarction following a car accident. Nichelli P, et al. **Stroke** 1983 Jul–Aug;14(4):617–9
[Diagnosis of the lesions and medical first aid at the prehospital stage for victims with severe multiple and combined injuries] Trubnikov VF, et al. **Ortop Travmatol Protez** 1984 Jun;(6):6–10 (Eng. Abstr.) **(Rus)**
[Application of probability theory to the diagnosis of types of trauma] Kriukov VN, et al. **Sud Med Ekspert** 1983 Oct–Dec;26(4):11–6 (Eng. Abstr.) **(Rus)**
[State and perspectives of scientific studies with regard to medico-legal expert testimony in traffic injuries] Solokhin AA. **Sud Med Ekspert** 1984 Apr–Jun;27(2):18–22 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Complications of TAC [letter] Dronen SC. **Ann Emerg Med** 1983 May;12(5):333
The antibacterial properties of an Aztec wound remedy. Davidson JR, et al. **J Ethnopharmacol** 1983 Aug; 8(2):149–61
[Enzymatic debridement of wounds. Comparison of 2 commercial preparations] Stüwe U. **Fortschr Med** 1983 Nov 3;101(41):1883–8 (Eng. Abstr.) **(Ger)**
[Effect of the neuroleptic fluphenazine dihydrochloride on the cardiovascular system of polytraumatized patients with an alcoholic anamnesis] Fritz KW, et al. **Fortschr Neurol Psychiatr** 1984 May;52(5):147–51 (Eng. Abstr.) **(Ger)**
[Inflammatory conditions and indomethacin. Modification of severe life-threatening infections following surgery and injuries with indomethacin] Joncic DL. **Med Welt** 1983 Sep 16;34(37):1013–4 **(Ger)**
[Testing the effect of Dolo Mobilat gel in a double-blind study] Michel M. **Med Welt** 1983 Oct 14;34(41):1155–7 **(Ger)**
[Debrisan in the treatment of purulent wounds] Gostishchev VK, et al. **Vestn Khir** 1983 Sep;131(9):56–9 (Eng. Abstr.) **(Rus)**

ECONOMICS

Economic costs of trauma, United States, 1982. Munoz E. **J Trauma** 1984 Mar;24(3):237–44
Cost-effectiveness of foam elastomer and gauze dressings in the management of open perineal wounds. Culyer AJ, et al. **Soc Sci Med** 1983;17(15):1047–53
Compensation and recovery from injury. Beals RK. **West J Med** 1984 Feb;140(2):233–7
[Consequences and economic aspects of multiple injuries] Mazurkiewicz H, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(2):105–10 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Injuries to car occupants—some aspects of the interior safety of cars. A study of a five-year material from an insurance company. Nygren A. **Acta Otolaryngol [Suppl] (Stockh)** 1984;395:1–164
Alcohol consumption among vehicular occupants injured in crashes. Soderstrom CA, et al. **Alcoholism (NY)** 1984 May–Jun;8(3):269–71
Incidence of needlestick injuries in hospital personnel: implications for prevention. Neuberger JS, et al. **Am J Infect Control** 1984 Jun;12(3):171–6
Medical and legal aspects of child abuse and neglect in Arizona. Britton H. **Ariz Med** 1984 May;41(5):317–20
Socio-economic status and childhood injuries. Langley J, et al. **Aust Paediatr J** 1983 Dec;19(4):237–40
The pattern of injuries at the University Teaching Hospital (U.T.H.) Casualty Department. Ngulube TJ. **Cent Afr J Med** 1984 Mar;30(3):294–7
Child abuse and neglect in Greece: sociomedical aspects. Agathonos H, et al. **Child Abuse Negl** 1982;6(3):307–11
Initial assessment of the effect of the compulsory use of seat belts on car occupants' injuries, and the trauma department work-load. Freedman LS. **Injury** 1984 Jul;16(1):60–2
The trauma of pedestrians involved in road traffic accidents. Fukpolngam V, et al. **J Med Assoc Thai** 1983 Nov; 66(11):713–21
The role of alcohol in accidental falls. Honkanen R, et al. **J Stud Alcohol** 1983 Mar;44(2):231–45
Culpability and accountability of hospitalized injured alcohol-impaired drivers. A prospective study. Maull KI, et al. **JAMA** 1984 Oct 12;252(14):1880–3
Industrial nail gun injuries [letter] **Med J Aust** 1984 Mar 3; 140(5):305
Serum vs breath alcohol levels and accidental injury: analysis among US Army personnel in an emergency room setting. James JJ, et al. **Milit Med** 1984 Jul;149(7):369–74
Pedal cycle accidents [letter] McKenna S, et al. **NZ Med J** 1984 Sep 26;97(764):657–8
Why accidents happen. Holroyd HJ. **Pediatr Ann** 1983 Oct; 12(10):722–4
[Wounds caused by lasers (forensic medicine aspects)] Neoral L, et al. **Soud Lek** 1983 Nov;28(4):49–59 (Eng. Abstr.) **(Cze)**
[Accidents due to violence in Arhus over a period of a year. IV. Injuries caused by violence] Grymer F, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):613–6 (Eng. Abstr.) **(Dan)**
[Violence in Narssaq, South Greenland] Hovesen J, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2460–2 (Eng. Abstr.) **(Dan)**
[Accidents due to violence in Arhus over a pereiod of a year. III. Violence and alcohol] Møller-Madsen B, et al. **Ugeskr Laeger** 1984 Feb 20;146(8):608–12 (Eng. Abstr.) **(Dan)**
[Injuries in children due to accidents in the home] Klasen HJ. **Ned Tijdschr Geneeskd** 1983 Nov 19;127(47):2124–6 (Eng. Abstr.) **(Dut)**
[Zoo specific crimes] Krumbiegel I. **Arch Kriminol** 1983 Jul–Aug;172(1–2):7–15 **(Ger)**
[Pattern of injury following falls from great heights] Willenberg E, et al. **Beitr Orthop Traumatol** 1984 Mar; 31(3):108–13 (Eng. Abstr.) **(Ger)**
[Computer tomography in traumatology. Iatrogenic injuries] Borchers HD, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:117–27 **(Ger)**
[The household dangerous for children] Gädeke R. **Monatsschr Kinderheilkd** 1984 Jun;132(6):344–7 **(Ger)**
[Childhood accidents in play and sports] Klimt F. **Monatsschr Kinderheilkd** 1984 Jun;132(6):341–4 **(Ger)**
[Traumatism and temperament] Kurdybailo SF, et al. **Ortop Travmatol Protez** 1984 Jun;(6):59–61 **(Rus)**
[Inertial deformation of blood traces—sign of infliction of blows with a specific weapon] Stanislavskiĭ LV. **Sud Med Ekspert** 1983 Oct–Dec;26(4):16–9 (Eng. Abstr.) **(Rus)**

HISTORY

Wound management advice in antebellum America. From The Transylvania Journal of Medicine and the Associated Sciences, 1828–1853. Christianson EH. **Clin Plast Surg** 1983 Oct;10(4):671–7
Doctors in the wars [editorial] Watt J. **J R Soc Med** 1984 Apr;77(4):265–7
Studies of trauma and shock in man: William S. Stone's role in the military effort (1983 William S. Stone lecture). Simeone FA. **J Trauma** 1984 Mar;24(3):181–7
Post-traumatic acute renal failure in combat casualties: a historical review. Butkus DE. **Milit Med** 1984 Mar; 149(3):117–24

IMMUNOLOGY

Evaluation of host defenses after trauma. Damas P. **Acta Anaesthesiol Belg** 1983 Sep;34(3):151
Immunologic response of trauma and burns. An overview. Munster AM. **Am J Med** 1984 Mar 30;76(3A):142–5 (39 ref.)
Changes in mitogen responsiveness lymphocyte subsets after traumatic injury: relation to development of sepsis. Levy EM, et al. **Clin Immunol Immunopathol** 1984 Aug; 32(2):224–33
Inhibition of host immunity by fluid and mononuclear cells from healing wounds. Barbul A, et al. **Surgery** 1984 Aug; 96(2):315–20
Complement-induced expression of cryptic receptors on the neutrophil surface: a mechanism for regulation of acute inflammation in trauma. Solomkin JS, et al. **Surgery** 1984 Aug;96(2):336–44
[Antitissue antibodies in patients with severe mechanical injury during the post-traumatic period] Red'kin IuV, et al. **Anesteziol Reanimatol** 1983 Jul–Aug;(4):44–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Hypophosphataemia and muscle phosphate metabolism in severely injured patients. Lovén L, et al. **Acta Chir Scand** 1983;149(8):743–9
Measurement of glycerol turnover by infusion of nonisotopic glycerol in normal and injured subjects. Carpentier YA, et al. **Am J Physiol** 1984 Sep;247(3 Pt 1):E404–11
Effect of starvation on the local and systemic metabolic effects of the lambda-carrageenan wound. Shearer J, et al. **Am J Surg** 1984 Apr;147(4):456–62
Combined hormonal infusion simulates the metabolic response to injury. Bessey PQ, et al. **Ann Surg** 1984 Sep; 200(3):264–81
Protein metabolism and injury. Kinney JM, et al. **Annu Rev Nutr** 1983;3:433–66 (164 ref.)
Metabolic indicators of outcome in trauma. Duff JH. **Can J Surg** 1984 Mar;27(2):105–6
Metabolic profiles in patients with acute neurosurgical injuries. Fell D, et al. **Crit Care Med** 1984 Aug;12(8):649–52
Effects of model traumatic injury on hepatic drug metabolism in the rat. I. In vivo antipyrine metabolism. Griffeth LK, et al. **Drug Metab Dispos** 1983 Nov–Dec;11(6):517–25
The influence of environmental temperature (32 degrees C) on catabolism using the Clinitron fluidised bed. Ryan DW. **Intensive Care Med** 1983;9(5):279–81
Improvement of nitrogen retention by arginine and glycine supplementation and its relation to collagen synthesis in traumatized mature and aged rats. Chyun JH, et al. **J Nutr** 1984 Sep;114(9):1697–704
Post-traumatic insulin resistance in uninjured forearm tissue. Brooks DC, et al. **J Surg Res** 1984 Aug;37(2):100–7
The effect of major trauma on the pathways of thyroid hormone metabolism. Aun F, et al. **J Trauma** 1983 Dec; 23(12):1048–51
Changes of protein metabolism in liver and skeletal muscle following trauma complicated by sepsis. Hasselgren PO, et al. **J Trauma** 1984 Mar;24(3):224–8
Effects of injury, disease, and malnutrition on protein metabolism in man. Unanswered questions. Rennie MJ, et al. **Lancet** 1984 Feb 11;1(8372):323–5
Metabolism of amino acids, protein and glucose in fat pads of traumatized rats. Tischler ME, et al. **Life Sci** 1984 Jul 23;35(4):449–54
Urinary excretion of carnitine in multiply injured patients on different regimens of total parenteral nutrition. Cederblad G, et al. **Metabolism** 1983 Apr;32(4):383–9
Metabolism of protein, amino acids, and glucose and their response to insulin in atria and cardiac myocytes of traumatized rats. Tischler ME, et al. **Metabolism** 1984 Jun; 33(6):515–20
Utilization of exogenous fat emulsion at early stage of injury in rats. Chen WJ. **Taiwan I Hsueh Hui Tsa Chih** 1984 May; 83(5):413–8
[Total parenteral nutrition in traumatized rats: studies on protein sparing effects of lipids and carbohydrates] Zhou JL. **Chung Hua I Hsueh Tsa Chih** 1983 Nov;63(11):665–6 (Eng. Abstr.) **(Chi)**
[Evaluation of protein catabolism in multi-injured patients] François G, et al. **Ann Fr Anesth Reanim** 1983;2(6):387–91 (Eng. Abstr.) **(Fre)**
[Post-traumatic metabolism—bases and clinical aspects] Altemeyer KH, et al. **Anaesthesist** 1984 Jan;33(1):4–10 (Eng. Abstr.) **(Ger)**
[Behavior of plasma amino acids, blood sugar, insulin and glucagon in the early post-traumatic phase with sole substitution of fluid and electrolytes] Schmitz JE, et al. **Anaesthesist** 1984 Jan;33(1):56–62 (Eng. Abstr.) **(Ger)**
[Protein synthesis following experimental injuries in the pig as disease model. Comparison of infusion solutions with various amino acid patterns] Hartig W, et al. **Infusionsther Klin Ernahr** 1983 Oct;10(5):276–9 (Eng. Abstr.) **(Ger)**
[Effect of parenteral fat emulsions on nitrogen balance and blood sugar in multiply-injured patients] Liverta E, et al. **Minerva Anestesiol** 1983 Oct;49(10):589–96 (Eng. Abstr.) **(Ita)**
[Correction of disorders of calcium metabolism in patients in the post-traumatic period] Sokolovich GE, et al. **Ortop Travmatol Protez** 1983 Aug;(8):52–5 (Eng. Abstr.) **(Rus)**
[Effect of infrared laser irradiation on the catecholamine content of tissues in the dynamics of the wound process] Pronchenkova GF, et al. **Vopr Med Khim** 1984 Mar–Apr; 30(2):53–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of selective decontamination of the digestive tract on colonisation and infection rate in multiple trauma patients. Stoutenbeek CP, et al. **Intensive Care Med** 1984; 10(4):185–92
Antiseptics and the casualty wound [letter] Stringer MD, et al. **J Hosp Infect** 1983 Dec;4(4):410–2
[Bacterial studies of wound and drainage systems and their correlation with clinical findings] Härle A, et al. **Z Orthop** 1983 Sep–Oct;121(5):584–92 (Eng. Abstr.) **(Ger)**

MORTALITY

Evaluation of hospital care in one trauma care system. Spain DM, et al. **Am J Public Health** 1984 Oct;74(10):1122–5
Effects of maternal education, age, and parity on fatal infant accidents. Wicklund K, et al. **Am J Public Health** 1984 Oct;74(10):1150–2
The effects of vehicle mass, speed and safety belt wearing on the causes of death in road traffic accidents. Tolonen J, et al. **Ann Chir Gynaecol** 1984;73(1):14–20
Trauma mortality in Orange County: the effect of implementation of a regional trauma system. Cales RH. **Ann Emerg Med** 1984 Jan;13(1):1–10
Preventable traumatic deaths in children. McKoy C, et al. **J Pediatr Surg** 1983 Aug;18(4):505–8
The effect of advanced life support and sophisticated hospital systems on motor vehicle mortality. Alexander RH, et al. **J Trauma** 1984 Jun;24(6):486–90
The effects of prehospital trauma care on survival from a

50-meter fall. Fortner GS, et al. **J Trauma** 1983 Nov; 23(11):976-81
A postmortem review of trauma mortalities--a comparative study. Wright CS, et al. **J Trauma** 1984 Jan;24(1):67-8
Leads from the MMWR. Alcohol and fatal injuries--Fulton County, Georgia, 1982. **JAMA** 1983 Dec 2;250(21):2906-7
Traffic fatalities in a system with decentralized trauma care. A study with special reference to potentially salvageable casualties. Ottosson A, et al. **JAMA** 1984 May 25; 251(20):2668-71
Fatal collisions between joggers and automobiles in Rhode Island [letter] Ragosta M, et al. **JAMA** 1984 Jun 22-29; 251(24):3221
Military casualties [letter] Turk RL. **JAMA** 1984 Jan 27; 251(4):468
The causes of death in conventional land warfare: implications for combat casualty care research. Bellamy RF. **Milit Med** 1984 Feb;149(2):55-62
The effect of the unrestrained back seat passenger on the injuries suffered by drivers and front seat passengers in head-on collisions. Löwenhielm P, et al. **Z Rechtsmed** 1984; 92(3):199-204
[Fatal injuries in the aged] Tesař J, et al. **Cas Lek Cesk** 1984 Jan 13;123(2):36-9 (Eng. Abstr.) **(Cze)**
[Impact of infection on mortality and morbidity in multiple injuries with cerebral involvement (study of 90 cases)] Hervé C, et al. **Agressologie** 1983 May;24(6):253-6 (Eng. Abstr.) **(Fre)**
[Injuries and survival time in fatal accidents] Mittmeyer HJ, et al. **Beitr Gerichtl Med** 1983;41:249-54 (Eng. Abstr.) **(Ger)**
[Epidemiology of accidents in childhood] Christen HJ, et al. **Monatsschr Kinderheilkd** 1984 Jun;132(6):331-9 **(Ger)**
[Analysis of the fatal outcome of traffic injuries in hospitals] Velisheva LS, et al. **Sud Med Ekspert** 1984 Apr-Jun; 27(2):23-5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Playground equipment injuries in a large, urban school district. Boyce WT, et al. **Am J Public Health** 1984 Sep; 74(9):984-6
Northeastern Ohio Trauma Study: II. Injury rates by age, sex, and cause. Fife D, et al. **Am J Public Health** 1984 May;74(5):473-8
Moped injuries. McHugh TP, et al. **Ann Emerg Med** 1984 Jan;13(1):35-9
Statistical points of note. **Aust Fam Physician** 1984 Apr; 13(4):238-9
Injuries in a psychiatric hospital [letter] Rizzoli AA. **Br J Psychiatry** 1984 Jul;145:94
Prospective study of school injuries: incidence, types, related factors and initial management. Feldman W, et al. **Can Med Assoc J** 1983 Dec 15;129(12):1279-83
Trauma in childhood--past and future. Kulshrestha R, et al. **Indian J Pediatr** 1983 May-Jun;50(404):247-51
Unintentional injuries among adolescents and young adults: a review and analysis. Halperin SF, et al. **J Adolesc Health Care** 1983 Dec;4(4):275-81
The contribution of brain injury to the overall injury severity of brain-injured patients. Fife D, et al. **J Neurosurg** 1984 Apr;60(4):697-9
A critical review of urban pediatric trauma. Holmes MJ, et al. **J Trauma** 1984 Mar;24(3):253-5
Death and injury patterns, Toronto Subway System 1954-1980. Johnston DW, et al. **J Trauma** 1984 Jul; 24(7):619-22
Review of patients with multiple injuries treated at University Hospital, Kuala Lumpur. Silva JF. **J Trauma** 1984 Jun; 24(6):526-31
Leads from the MMWR. Leading work-related diseases and injuries--United States. **JAMA** 1984 May 18; 251(19):2503-4
Toothpick-related injuries in the United States, 1979 through 1982. Budnick LD. **JAMA** 1984 Aug 10;252(6):796-7
Industrial injuries. Must they continue to happen? [editorial] Major G, et al. **Med J Aust** 1983 Nov 12;2(10):470
Child pedestrian accidents, epidemiology and law. Chapman AJ, et al. **Med Law** 1984;3(2):177-81
A note on combat casualty statistics. Bzik KD, et al. **Milit Med** 1984 Apr;149(4):229-30
Leading work-related diseases and injuries--United States. **MMWR** 1984 Apr 27;33(16):213-5
Injuries at a water slide--Washington. **MMWR** 1984 Jul 13; 33(27):379-82, 387
Surveillance of occupational injuries treated in hospital emergency rooms--United States, 1982. Coleman PJ, et al. **MMWR Surveill Summ** 1983 May;32(2):31SS-37SS
Occupational injuries and deaths among loggers, United States. Frazier TM, et al. **MMWR Surveill Summ** 1983 Aug; 32(3):31SS-6SS
Behavioral-risk-factor surveillance--selected states. Hogelin GC. **MMWR Surveill Summ** 1983 Feb;32(1):11SS-17SS
Prevention of childhood injuries: morbidity and mortality--an overview. Mofenson HC, et al. **Pediatr Ann** 1983 Oct;12(10):716-9
Epidemiology of injuries in a large, urban school district. Boyce WT, et al. **Pediatrics** 1984 Sep;74(3):342-9
Geophysical variables and behavior: XIII. Comment on 'Lunar phase and accident injuries': the dark side of the moon and lunar research. Kelly IW, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):919-21
Injury surveillance. A review of data sources used by the Division of Safety Research. Coleman PJ. **Scand J Work Environ Health** 1983 Apr;9(2 Spec No):128-35
Overview of pediatric injuries. Berger LR. **Tex Med** 1983 Aug;79(8):48-50
Farm and ranch injuries in west Texas. Jackson FC. **Tex Med** 1983 Sep;79(9):51-4
NIOSH injury surveillance system. Key MM. **Tex Med** 1983 Sep;79(9):58-9
[Injuries in the aged as a cause of hospitalization and death] Drdková S. **Cas Lek Cesk** 1984 Jan 13;123(2):40-2 (Eng. Abstr.) **(Cze)**
[A study of off-hours treatment of injuries. II. The need for contacts and patients' satisfaction] Bentzen N, et al. **Ugeskr Laeger** 1984 Mar 5;146(10):763-8 (Eng. Abstr.) **(Dan)**
[Accidents due to violence in Arhus over the period of a year. I. Review and extent of violence] Nielsen J, et al. **Ugeskr Laeger** 1983 Dec 12;145(50):3929-34 (Eng. Abstr.) **(Dan)**
[Sequelae of home accidents in the aged] Klasen HJ. **Tijdschr Gerontol Geriatr** 1983 Oct;14(5):195-7 (Eng. Abstr.) **(Dut)**
[Accidents in children. Epidemiologic studies of a rural and an urban area] Davidson F, et al. **Arch Fr Pediatr** 1984 Jan;41(1):67-72 (Eng. Abstr.) **(Fre)**
[Resuscitation injuries] Klöss T, et al. **Anasth Intensivther Notfallmed** 1983 Aug;18(4):199-203 (Eng. Abstr.) **(Ger)**
[Profile of injuries in selected tasks in the construction industry] Röbenack KD, et al. **Z Gesamte Hyg** 1983 Aug; 29(8):481-3 (Eng. Abstr.) **(Ger)**
[Epidemiology of accidents in East Germany] Casper W, et al. **Zentralbl Chir** 1983;108(17):1076-85 (Eng. Abstr.) **(Ger)**
[Epidemiology, diagnosis and therapy of kidney injuries. A 20-year study from the city of Rostock] Seiter H, et al. **Zentralbl Chir** 1983;108(19):1211-6 (Eng. Abstr.) **(Ger)**
[Traffic accidents among children and adolescents in the light of data from the State Insurance Agency 1975-1979] Kobialka B, et al. **Pediatr Pol** 1983 Nov;58(11):873-8 (Eng. Abstr.) **(Pol)**
[Discussion of various aspects of injuries in children] Bondarenko NS. **Ortop Travmatol Protez** 1983 Oct; (10):68-70 **(Rus)**
[Pediatric road traffic injuries in a large city] Lishke AA, et al. **Sov Zdravookhr** 1984;(7):38-40 **(Rus)**
[Injuries in the aged from the viewpoint of the surgeon and geriatrician] Kratina V, et al. **Cas Lek Cesk** 1984 Jan 13; 123(2):48-54 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Symposium on forensic pathology. **Clin Lab Med** 1983 Jun; 3(2):255-409
Pathological evaluation of trauma in fatal casualties of the Lebanon War, 1982. Rogov M. **Isr J Med Sci** 1984 Apr; 20(4):369-71
Ultrastructural characteristics of cells in human wound collected by Cellstic device. Aho HJ, et al. **J Surg Res** 1983 Dec;35(6):498-506
Pulmonary fat embolism as an ante-mortem reaction in traumatic immediate death. Suzuki T, et al. **Med Sci Law** 1984 Jul;24(3):175-8
Different test situations for measuring offensive aggression in male rats do not result in the same wound pattern. Mos J, et al. **Physiol Behav** 1984 Mar;32(3):453-6
[Agonal injuries in sudden natural death] Metter D. **Beitr Gerichtl Med** 1984;42:139-42 (Eng. Abstr.) **(Ger)**
[Reports on medico-legal data from the mass-investigation performed by the Medico-Legal Society of Japan (VIII). Analysis on autopsy cases by falling. Investigation Committee of the Medico-Legal Society of Japan] **Nippon Hoigaku Zasshi** 1984 Feb;38(1):13-23 (Eng. Abstr.) **(Jpn)**
[Granulation tissue: inflammation and regeneration] Shekhter AB, et al. **Arkh Patol** 1984;46(2):20-9 (Eng. Abstr.) **(Rus)**
[Cytological examination of wounds (review of the literature)] Pfafrod LR, et al. **Lab Delo** 1984;(1):3-6 (45 ref.) (Eng. Abstr.) **(Rus)**
[Identification of a motor vehicle from abrasions on the corpse] Antipov VM, et al. **Sud Med Ekspert** 1983 Jul-Sep; 26(3):53 **(Rus)**
[Differentiation of hair altered by trauma and disease using a histological staining method] Iusufov RM. **Sud Med Ekspert** 1983 Jul-Sep;26(3):29 (Eng. Abstr.) **(Rus)**
[Unusual injuries occurring in a fall from a height] Savostin GA, et al. **Sud Med Ekspert** 1984 Jan-Mar;27(1):53-5 **(Rus)**

PHYSIOPATHOLOGY

Depressed reticuloendothelial clearance of platelets in rats after trauma. Kaplan JE, et al. **Am J Physiol** 1984 Feb;246(2 Pt 2):H180-8
Indocyanine green. Its use as an early indicator of hepatic dysfunction following injury in man. Gottlieb ME, et al. **Arch Surg** 1984 Mar;119(3):264-8
Effect of beta-receptor blockade on the development of resistance to trauma in rats. Asoh T, et al. **Circ Shock** 1983; 11(3):195-9
The inflammatory reaction in an experimental model of open wounds in the rat. The effect of arachidonic acid metabolites. Lundberg C, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):229-38
Epithelial mediated wound contraction in experimental wounds--the purse-string effect. Baur PS Jr, et al. **J Trauma** 1984 Aug;24(8):713-20
Evidence for a central component of post-injury pain hypersensitivity. Woolf CJ. **Nature** 1983 Dec 15-21; 306(5944):686-8
Fibrinolytic response to trauma. Kapsch DN, et al. **Surgery** 1984 Apr;95(4):473-8
[Artificial respiration of multi-injured patients with He-O2 and N2-O2 mixtures. II. Hemodynamics] Fritz KW, et al. **Anaesthesist** 1984 Feb;33(2):96-8 (Eng. Abstr.) **(Ger)**
[Physiopathology and prevention of infections in patients with multiple trauma] Younes RN, et al. **Rev Paul Med** 1983 Mar-Apr;101(2):68-73 **(Por)**
[Determination of the volume of mobile and total extracellular fluid using a single indicator in grave surgical patients] Lin'kov VA, et al. **Anesteziol Reanimatol** 1984 Jan-Feb;(1):14-6 (Eng. Abstr.) **(Rus)**
[Tensiometry of wounds in daily surgical practice] Kovalenko IV. **Klin Khir** 1984 Jan;(1):52-4 (Eng. Abstr.) **(Rus)**
[Functional and morphological characteristics of lymphopoiesis in traumatic disease] Filev LV, et al. **Vestn Khir** 1984 Jul;132(7):83-5 **(Rus)**
[The liver in the severely ill] Villazón Sahagún A, et al. **Rev Gastroenterol Mex** 1983 Oct-Dec;48(4):187-201 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Effect of seat belt legislation on injuries in road traffic accidents in Nottingham. Pye G, et al. **Br Med J [Clin Res]** 1984 Mar 10;288(6419):756-7
Consultation and supervision in cases of non-accidental injury to children. Dunning NM, et al. **Child Abuse Negl** 1982;6(4):403-12
The December 2, 1982 tornado of Saline and Pulaski counties: implications for injury prevention. Leibovich M. **J Arkansas Med Soc** 1983 Jul;80(2):98-102
Worker injuries: the effects of Workers' Compensation and OSHA inspections. Robertson LS, et al. **J Health Polit Policy Law** 1983 Fall;8(3):581-97
Ten years of experience with falls from a height in children. Barlow B, et al. **J Pediatr Surg** 1983 Aug;18(4):509-11
The paradox of the missing institute [editorial] **J Public Health Policy** 1983 Dec;4(4):394-7
Federal board seeks to reduce toll from general aviation accidents [news] Gunby P. **JAMA** 1984 Mar 16; 251(11):1396
Reducing the toll of injuries in childhood requires support for a focused research effort. **Pediatrics** 1983 Nov; 72(5):736-7
Health protection: Accident prevention and injury control. **Public Health Rep** 1983 Sep-Oct;Suppl:80-93
A strategy for injury prevention. Bull JP. **Tex Med** 1983 Aug;79(8):51-4
Injury prevention: wave of the future in trauma. Cowley RA. **Tex Med** 1983 Sep;79(9):7-8
Public health and cost implications of suicide, homicide, and criminal violence. Houk VW. **Tex Med** 1983 Sep;79(9):6-7
Injury control advocacy. Teret SP. **Tex Med** 1983 Sep; 79(9):8-9
Car passenger injuries and child restraints. Chang A. **West J Med** 1983 Sep;139(3):362
[Injuries and seat belts] Meurisse M, et al. **Acta Chir Belg** 1984 May-Jun;84(3):186-91 (Eng. Abstr.) **(Fre)**
[Cause of stair and flat surface falls. Possibilities for prevention] Hein PM, et al. **Lebensversicherungsmedizin** 1983 Aug 26;35(7):154-6 (Eng. Abstr.) **(Ger)**
[Unified approach to the problems of child injuries] Gubov IuP, et al. **Ortop Travmatol Protez** 1983 Sep;(9):71-3 **(Rus)**
[Prevention of nonindustrial injuries] Trofimov NP, et al. **Ortop Travmatol Protez** 1984 Jan;(1):62-4 **(Rus)**

PSYCHOLOGY

Injury control--psychosocial considerations. Langley J. **J Child Psychol Psychiatry** 1984 Jul;25(3):349-56 (40 ref.)
A scale for measuring mode and severity in harming. Holm O. **J Soc Psychol** 1984 Feb;122(1ST Half):143-4
Elucidation of psychological factors in compensable injury. Goldney RD. **Med J Aust** 1984 Sep 29;141(7):433-6
[Psychological aspects of injuries in childhood (review of the foreign literature)] Andreeva TM, et al. **Ortop Travmatol Protez** 1984 Jan;(1):71-4 (28 ref.) **(Rus)**

RADIOGRAPHY

Cerebral cortical injury with a lawn dart [letter] Amoury RA. **Ann Emerg Med** 1984 Jun;13(6):484-6
Radiological interpretation in an accident and emergency department. Carew-McColl M. **Br J Clin Pract** 1983 Nov-Dec;37(11-12):375-7
Diagnostic radiology in wartime. Rosenberger A, et al. **Isr J Med Sci** 1984 Apr;20(4):330-2
Trauma centre--a radiologic perspective. Campbell JE. **J Can Assoc Radiol** 1983 Sep;34(3):161-2
Angiography in the diagnosis and treatment of trauma. Saibil

EA, et al. **J Can Assoc Radiol** 1983 Sep;34(3):218–27
Computed tomography of the hindfoot. Seltzer SE, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):488–97
Interventional radiology in the management of hepatic trauma. Sclafani SJ, et al. **J Trauma** 1984 Mar;24(3):256–62
Diagnostic radiation exposure in trauma patients. Fitzgerald RH, et al. **South Med J** 1983 Dec;76(12):1511–4
[X-ray computed tomography in traumatology excepting craniocerebral injuries. Apropos of 48 cases] Frija J, et al. **Ann Radiol (Paris)** 1984 Jun–Jul;27(5):429–35 (63 ref.) (Eng. Abstr.) **(Fre)**
[What additional information can be expected from x-ray studies following an autopsy?] Saternus KS, et al. **Beitr Gerichtl Med** 1983;41:333–8 (Eng. Abstr.) **(Ger)**
[Computer tomography in traumatology. Retroperitoneal injuries] Jend HH, et al. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1984; 119:81–91 **(Ger)**
[Initial results of digital subtraction angiography in the diagnosis of injuries] Starck E, et al. **Unfallchirurgie** 1983 Aug;9(4):187–92 (Eng. Abstr.) **(Ger)**
[Emergency angiography] Ishikawa T. **Rinsho Hoshasen** 1983 Oct;28(11 Suppl):1307–21 **(Jpn)**

RADIONUCLIDE IMAGING

Radionuclide evaluation of lung trauma. Lull RJ, et al. **Semin Nucl Med** 1983 Jul;13(3):223–37 (50 ref.)
Renal trauma. Rosenthall L, et al. **Semin Nucl Med** 1983 Jul;13(3):238–44
Radionuclide evaluation in childhood injuries. Sty JR, et al. **Semin Nucl Med** 1983 Jul;13(3):258–81 (154 ref.)
Role of Tc-99m IDA scintigraphy in the evaluation of hepatobiliary trauma. Weissmann HS, et al. **Semin Nucl Med** 1983 Jul;13(3):199–222 (78 ref.)

SURGERY

Anaesthesia for battle injuries [letter] Simon K, et al. **Anaesthesia** 1984 Apr;39(4):379–80
Traumatic injuries during pregnancy. Crosby WM. **Clin Obstet Gynecol** 1983 Dec;26(4):902–12
Effect of cap and mask on infection rates in wounds sutured in the emergency department. Ruthman JC, et al. **IMJ** 1984 Jun;165(6):397–9
Surgery in the field during the Lebanon War, 1982: doctrine, experience and prospects for future changes. Gasko OD. **Isr J Med Sci** 1984 Apr;20(4):350–4
Surgery in a tin helmet—a personal account of a surgeon at war. Morgan NV. **J R Nav Med Serv** 1983 Summer; 69(2):66–70
Symposium on wound management. **Surg Clin North Am** 1984 Aug;64(4):623–835
The compromised bed technique. An improved method for skin grafting problem wounds. Tobin GR. **Surg Clin North Am** 1984 Aug;64(4):653–8
An improved method of delayed primary closure. An aggressive management approach to unfavorable wounds. Tobin GR. **Surg Clin North Am** 1984 Aug;64(4):659–66
Myocutaneous and muscle flap reconstruction of problem wounds. Tobin GR. **Surg Clin North Am** 1984 Aug; 64(4):667–81
[Repair of the wound surface with omentum homograft and skin autograft: preliminary report on an animal experiment] Cheng XX. **Chung Hua Wai Ko Tsa Chih** 1983 Jun; 21(6):367–8 (Eng. Abstr.) **(Chi)**
[Delirium tremens in accident surgery] Hofmann-von Bandel J. **Aktuel Traumatol** 1983 Dec;13(6):250–2 (Eng. Abstr.) **(Ger)**
[Preventive use of antibiotics in the surgery of injuries] Hierholzer S, et al. **Chirurg** 1984 Apr;55(4):222–6 **(Ger)**
[Operative strategy of emergency surgery in the aged: standard technics and alternatives] Zimmermann HG. **Chirurg** 1984 Feb;55(2):87–94 **(Ger)**
[Skin replacement as a temporary measure in post-traumatic tissue defects] Betz A, et al. **Orthopade** 1983 Sep; 12(4):193–204 **(Ger)**
[Free myocutaneous flap-plasty] Wilker D, et al. **Orthopade** 1983 Sep;12(4):218–23 **(Ger)**
[Surgical treatment strategy in the multiple-injury patient] Ledermann M. **Praxis** 1983 Oct 18;72(42):1323–6 (Eng. Abstr.) **(Ger)**
[Ensuring quality in accident surgery] Rheindorf HJ. **Unfallchirurgie** 1984 Jun;10(3):105–6 **(Ger)**
[Use of various forms of acupuncture and therapy with local anesthetics in accident surgery after care] Rabl V, et al. **Unfallheilkunde** 1983 Aug;86(8):370–7 (Eng. Abstr.) **(Ger)**
[Multiple injuries in mass accidents] Wondrák E. **Zentralbl Chir** 1984;109(9):602–6 (Eng. Abstr.) **(Ger)**
[Anesthesia in a Field Hospital during the Lebanese conflict] Reddavid M, et al. **Minerva Anestesiol** 1984 Jan–Feb; 50(1–2):27–31 (Eng. Abstr.) **(Ita)**
[Clinical and forensic aspects of injuries of the major blood vessels and vessels of the extremities] Avgust VK, et al. **Ortop Travmatol Protez** 1983 Sep;(7):40–4 (Eng. Abstr.) **(Rus)**
[Primary surgical debridement—is it performed?] Belichenko MI. **Ortop Travmatol Protez** 1984 May;(5):67–8 **(Rus)**
[Surgical debridement of peace-time wounds] Chaplinskiĭ VV, et al. **Ortop Travmatol Protez** 1984 Feb;(2):64–6 **(Rus)**
[Intraoperative blood loss, ways of preventing it and compensating for it] Shevts RL, et al. **Ortop Travmatol Protez** 1983 Oct;(10):12–5 (Eng. Abstr.) **(Rus)**
[Plastic repair of wound defects using skin-muscle flaps] Vikhriev BS, et al. **Vestn Khir** 1984 Feb;132(2):89–92 (Eng. Abstr.) **(Rus)**
[Various current problems of traumatology] Rusakov AB. **Voen Med Zh** 1984 Jan;(1):26–9 **(Rus)**

THERAPY

Effect of fructose-1,6-diphosphate on nitrogen loss of polytraumatized patients undergoing total parenteral nutrition. Proietti R, et al. **Agressologie** 1983 Sep; 24(8):361–2
Prehospital cardiopulmonary resuscitation of the critically injured patient. Copass MK, et al. **Am J Surg** 1984 Jul; 148(1):20–6
Care of the injured. Who will do it? Ledgerwood AM. **Am Surg** 1984 Jun;50(6):293–6
Percutaneous transtracheal ventilation in a canine shock model with an open thorax. Jorden RC, et al. **Ann Emerg Med** 1984 Jan;13(1):22–5
Motor vehicle accident—multiple trauma. Walpole B. **Aust Fam Physician** 1984 Apr;13(4):270–1
The search for an ideal wound dressing. Brennan SS, et al. **Bristol Med Chir J** 1984 Jul;99(371):77–9
Trauma in pregnancy. Patterson RM. **Clin Obstet Gynecol** 1984 Mar;27(1):32–8
Nitrogen retention in critically ill patients is proportional to the branched chain amino acid load. Cerra FB, et al. **Crit Care Med** 1983 Oct;11(10):775–8
Primary treatment of battle casualties in the Lebanon War, 1982. Danon YL, et al. **Isr J Med Sci** 1984 Apr;20(4):300–2
Medical services in the Lebanon War, 1982: an overview. Dolev E. **Isr J Med Sci** 1984 Apr;20(4):297–9
Medical air evacuation during the Lebanon War, 1982. Noy-Man Y, et al. **Isr J Med Sci** 1984 Apr;20(4):303–4
Hyperbaric oxygen therapy for gas gangrene casualties in the Lebanon War, 1982. Shupak A, et al. **Isr J Med Sci** 1984 Apr;20(4):323–6
Survey of accident cases presenting to chiropractors in New Zealand. McKellow BM. **J Manipulative Physiol Ther** 1984 Mar;7(1):13–9
EMS for pediatrics: optimum treatment or unnecessary delay? Ramenofsky ML, et al. **J Pediatr Surg** 1983 Aug; 18(4):498–504
Prolonged tracheal intubation in the trauma patient. Dunham CM, et al. **J Trauma** 1984 Feb;24(2):120–4
Prehospital advanced life support: benefits in trauma. Jacobs LM, et al. **J Trauma** 1984 Jan;24(1):8–13
Standards of care for the critically injured pediatric patient [letter] Pinkers LH. **J Trauma** 1983 Sep;23(9):849
Is ALS necessary for pre-hospital trauma care? [editorial] Trunkey DD. **J Trauma** 1984 Jan;24(1):86–7
Care of serious trauma in southern Sweden [editorial] Frey CF. **JAMA** 1984 May 25;251(20):2698–9
A clinical review of autotransfusion and its role in trauma. Jacobs LM, et al. **JAMA** 1984 Jun 22–29;251(24):3283–7
Amnion dressings [letter] Redmond AD. **Lancet** 1984 Apr 21;1(8382):902
Transparent wound dressings. **Med Lett Drugs Ther** 1983 Nov 11;25(648):103–4
Gruener Laubfrosch 83: a medical unit exercise. Burkhalter E, et al. **Milit Med** 1984 Aug;149(8):452–3
Capitol Hill's growing concern: injury compensation legislation. Goerth CR. **Occup Health Saf** 1984 Jan;:27–8
Emergency medical services and the pediatric patient: are the needs being met? Seidel JS, et al. **Pediatrics** 1984 Jun; 73(6):769–72
Multiple trauma in children. Initial management, key to improved survival. Fifield GC. **Postgrad Med** 1984 Jun; 75(8):111–3, 116–23
Clinical usage of amino acids. Clark RG, et al. **Proc Nutr Soc** 1983 Sep;42(3):507–12 (29 ref.)
Trauma. Accidental and intentional injuries account for more years of life lost in the U.S. than cancer and heart disease. Among the prescribed remedies are improved preventive efforts, speedier surgery and further research. Trunkey DD. **Sci Am** 1983 Aug;249(2):28–35
Accidents and trauma care—1983. Frey CF. **Surg Annu** 1984; 16:69–89
MAST: medical antishock trousers. Schwab CW, et al. **Surg Annu** 1983;15:41–59 (42 ref.)
Wound management and medical organization in the Civil War. Greisman HC. **Surg Clin North Am** 1984 Aug; 64(4):625–38
Management of wounds in the diabetic foot. White RR 4th, et al. **Surg Clin North Am** 1984 Aug;64(4):735–42
Nutritional care of the trauma patient. Abbott WC, et al. **Surg Gynecol Obstet** 1983 Dec;157(6):585–97 (189 ref.)
Resuscitative thoracotomy for patients with traumatic injury. Vij D, et al. **Surgery** 1983 Oct;94(4):554–61
Massive blood transfusion in acute trauma [letter] Courcy PA, et al. **Transfusion** 1983 Sep–Oct;23(5):404
[The plan and tactics of treatment of the locomotor apparatus in multiple injuries] Wondrák E. **Rozhl Chir** 1983 Sep; 62(8–9):619–23 (Eng. Abstr.) **(Cze)**
[A study of out-of-hours treatment of injuries. I. Description of the study, contact patterns, and referrals] Bentzen N, et al. **Ugeskr Laeger** 1984 Jan 23;146(4):289–96 (Eng. Abstr.) **(Dan)**
[Treatment of multiply injured patients. Evaluation of the efficacy of programmed methods (letter)] Murat JE, et al. **Presse Med** 1984 Feb 11;13(5):283–4 **(Fre)**
[Reduced parenteral calorie administration after severe multiple injuries] Behrendt W. **Anaesthesist** 1983 Nov; 32(11):548–53 (Eng. Abstr.) **(Ger)**
[Intramuscular ketamine analgesia in emergency patients. II. Clinical study of traumatized patients] Hirlinger WK, et al. **Anaesthesist** 1984 Jun;33(6):272–5 (Eng. Abstr.) **(Ger)**
[The traumatic emergency patient in emergency service. Critical evaluation of 718 emergency cases] Wollinsky KH, et al. **Anaesthesist** 1984 Jan;33(1):47–55 (Eng. Abstr.) **(Ger)**
[Multiple injuries in the aged] Marx A, et al. **Helv Chir Acta** 1984 Jun;51(2):151–5 (Eng. Abstr.) **(Ger)**
[Pathogenesis of tracheal stenosis following long-term intubation of patients with multiple injuries] Balluch H. **HNO** 1983 Nov;31(11):395–8 (Eng. Abstr.) **(Ger)**
[Parenteral nutrition of severely injured children] Dietz HG, et al. **MMW** 1984 Jan 20;126(3):56–8 (Eng. Abstr.) **(Ger)**
[Diagnostic and therapeutic measures in primary care of polytraumatized children] Schiersmann S, et al. **Monatsschr Kinderheilkd** 1984 Jun;132(6):347–50 **(Ger)**
[Is the substitution of zinc and copper in parenterally fed polytraumatized patients needed? Analysis of 34 patients] Grätz KW, et al. **Schweiz Med Wochenschr** 1983 Aug 20; 113(33):1133–5 (Eng. Abstr.) **(Ger)**
[Principles of first aid to severely injured persons at the scene of the accident] Kunze K. **Unfallchirurgie** 1984 Apr; 10(2):91–5 (Eng. Abstr.) **(Ger)**
[The effect of standardized acupuncture programs in the after-care of accident patients] Rabl V, et al. **Unfallchirurgie** 1983 Dec;9(6):308–13 (Eng. Abstr.) **(Ger)**
[Treatment plan and interdisciplinary cooperation in multiple injuries] Forster H, et al. **Unfallheilkunde** 1984 Apr; 87(4):168–71 (Eng. Abstr.) **(Ger)**
[Clinical evaluation of a new synthetic skin substitute Codogard in the treatment of granulating wounds and ulcers] Strużyna J, et al. **Wiad Lek** 1983 Jul 1; 36(13):1047–52 (Eng. Abstr.) **(Pol)**
[Effect of various transfusion programs for treating trauma of the lymphopoietic system] Deriabin II, et al. **Gematol Transfuziol** 1984 Jul;29(7):27–31 (Eng. Abstr.) **(Rus)**
[Level and structure of consultations for medical first aid among injury victims] Gadzhieva LSh. **Ortop Travmatol Protez** 1984 Jun;(6):56–8 **(Rus)**
[Features of recent traffic accident injuries and possibilities for improving the results of treatment of the injured in stages] Istomin GP. **Ortop Travmatol Protez** 1983 Nov; (11):1–5 (Eng. Abstr.) **(Rus)**
[Use of tables to determine the optimal extent of treatment by ambulance squads] Kaverin NM, et al. **Ortop Travmatol Protez** 1983 Sep;(9):68–71 **(Rus)**
[Organization of emergency medical services to victims of road-transport accidents in a non-categorized city] Kustova EA, et al. **Ortop Travmatol Protez** 1984 Feb; (2):58–61 **(Rus)**
[Disputable problems of anesthesiological and resuscitation tactics in multiple and combined injuries] Obolentsev NI, et al. **Ortop Travmatol Protez** 1984 May;(5):65–7 **(Rus)**
[Disputable problems of the treatment of injuries of the musculoskeletal system in multiple and combined trauma] Trubnikov VF, et al. **Ortop Travmatol Protez** 1984 May; (5):62–5 **(Rus)**
[Improvement in the traumatology services for the rural population at the hospital stage] Zhadenov II, et al. **Ortop Travmatol Protez** 1984 Jan;(1):59–62 **(Rus)**
[Experimental and clinical aspects of magnetolaser therapy] Polonskiĭ AK, et al. **Patol Fiziol Eksp Ter** 1984 May–Jun; (3):49–52 (Eng. Abstr.) **(Rus)**
[Review of the recommended methods for rendering medical care in injuries] Eskina LIu, et al. **Sov Med** 1984;(6):65–9 **(Rus)**
[Transfusion of sorbed donor blood stored for long periods in severe injuries] Deriabin II, et al. **Vestn Khir** 1984 Apr; 132(4):119–22 **(Rus)**
[Use of thymalin in trauma patients] Gurevich KIa, et al. **Vestn Khir** 1984 Feb;132(2):52–4 (Eng. Abstr.) **(Rus)**
[Organization of medical services for patients with severe mechanical trauma] Gvozdev MP, et al. **Vestn Khir** 1983 Oct;131(10):135–9 (Eng. Abstr.) **(Rus)**
[Ketalar anesthesia in the first-aid stage with the victims of severe injury and traumatic shock] Kuznetsova OIu, et al. **Vestn Khir** 1984 Jul;132(7):88–91 (Eng. Abstr.) **(Rus)**
[Features of the clinical picture and treatment of traumatic shock with different sites of injury] Deriabin II, et al. **Voen Med Zh** 1983 Oct;(10):21–4 **(Rus)**
[History of theoretical elaboration of the system of step-by-step treatment of wounded and sick patients] Gladkikh PF, et al. **Voen Med Zh** 1984 May;(5):74–5 **(Rus)**
[Pre-hospital emergency services for patients with severe mechanical trauma] Uvarov BS, et al. **Voen Med Zh** 1984 Jan;(1):63–4 **(Rus)**

URINE

Post-traumatic creatinuria. Threlfall CJ, et al. **J Trauma** 1984 Jun;24(6):516–23

VETERINARY

Laser therapy in the horse: histopathologic response. Kaneps AJ, et al. **Am J Vet Res** 1984 Mar;45(3):581–2
Cardiac arrhythmias associated with multiple trauma in dogs. Macintire DK, et al. **J Am Vet Med Assoc** 1984 Mar 1; 184(5):541–5
Wound management in military working dogs: a review. Jennings PB Jr. **Milit Med** 1984 Jun;149(6):324–6
Initial management of injuries in military working dogs in a combat environment. Jennings PB Jr. **Milit Med** 1983 Oct;148(10):808–11
Mortality, morbidity, and external injuries in piglets housed in two different housing systems. I. Farrowing house. Vellenga L, et al. **Vet Q** 1983 Jul;5(3):101–6
Animal health in flatdeck rearing of weaned piglets. Algers B. **Zentralbl Veterinarmed [A]** 1984 Feb;31(1):1–13

WOUNDS, GUNSHOT

Suicide by three shots with different muzzle to target distances [letter] Hanzlick RL, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):95
The behavior of the expanding point .25 ACP ammunition in the human body. Rao VJ, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):37–9
Self shooting of a phantom head. Ames D. **Br J Psychiatry** 1984 Aug;145:193–4
Scars that never felt a wound. **Br Med J [Clin Res]** 1984 Jan 7;288(6410):76
Suicide reconstruction by glue–lift of gunshot residue. Basu S, et al. **J Forensic Sci** 1984 Jul;29(3):843–64
Determination of direction of fire from graze gunshot wounds of internal organs. Dixon DS. **J Forensic Sci** 1984 Jan; 29(1):331–5
Discussion of 'Minimal velocities necessary for perforation of skin by air gun pellets and bullets' [letter] Mattoo BN. **J Forensic Sci** 1984 Jul;29(3):700–3
Bullet fragmentation: a major cause of tissue disruption. Fackler ML, et al. **J Trauma** 1984 Jan;24(1):35–9
Injuries from plastic and rubber bullets [letter] Owen CF, et al. **Lancet** 1983 Oct 29;2(8357):1032
Ban on shooting animals for research is lifted [news] Fox JL. **Science** 1984 Feb 10;223(4636):568–9
[Possibilities and limits of determining shooting distance using antimony concentrations in the contusion ring in shooting distances up to 400 m] Kijewski H, et al. **Beitr Gerichtl Med** 1983;41:383–9 (Eng. Abstr.) **(Ger)**
[Transmission of weapon-oil during shooting] Vycudilik W, et al. **Beitr Gerichtl Med** 1983;41:391–5 (Eng. Abstr.) **(Ger)**
[Thoraco–pulmonary wounds caused by hunting rifles. Treatment and classification] Gotti G, et al. **Minerva Chir** 1983 Dec 15–31;38(23–24):1965–72 (Eng. Abstr.) **(Ita)**

BLOOD

Muscular high–energy phosphates and red–cell 2,3–DPG in post–traumatic hypophosphataemia. An experimental study in pigs. Lovén L, et al. **Acta Chir Scand** 1983;149(8):735–41

COMPLICATIONS

Intestinal intramural haemorrhage after abdominal missile trauma—clinical classification and prognosis. Johansson L, et al. **Acta Chir Scand** 1984;150(1):51–6
Fluorescein angiography in the evaluation of intestinal intramural haemorrhage after trauma. Johansson L, et al. **Acta Chir Scand** 1984;150(1):57–61
Traumatic pulmonary arteriovenous fistula due to shotgun wound to the chest. Baik S. **Am J Forensic Med Pathol** 1984 Jun;5(2):161–4
Arterial embolism of a high–velocity rifle bullet after a hunting accident. Case report and literature review. Jones AM, et al. **Am J Forensic Med Pathol** 1983 Sep;4(3):259–64
Arterial rifle bullet embolus [letter] Mittleman RE. **Am J Forensic Med Pathol** 1984 Jun;5(2):189–90
DIC in head trauma [letter] Wasserberger J, et al. **Ann Emerg Med** 1984 Oct;13(10):987–8
'Bullet embolism' to the popliteal artery following air rifle injury of the thoracic aorta. Burkitt DS, et al. **Br J Surg** 1984 Jan;71(1):61
Gunshot wounds to the spine: the effects of bullet fragments in the spinal canal. Waters RL. **J Am Paraplegia Soc** 1984 Apr;7(2):30–3
Lead arthropathy — progressive destruction of a joint by a retained bullet. Case report. Primm DD Jr. **J Bone Joint Surg [Am]** 1984 Feb;66(2):292–4
Massive head trauma as a cause of intravascular air. Messmer JM. **J Forensic Sci** 1984 Apr;29(2):418–24
A 'wandering bullet' in the thoracic esophagus. Montano JN, et al. **J Natl Med Assoc** 1983 Aug;75(8):835–6
Auditory dysfunction following a gunshot wound of the pons. Pinheiro ML, et al. **J Speech Hear Disord** 1982 Aug; 47(3):296–300
Ureteral contusion with gunshot wounds. Cass AS. **J Trauma** 1984 Jan;24(1):59–60
Foreign body pulmonary embolism originating from a gunshot wound to the head. Goldman RL, et al. **J Trauma** 1984 Mar;24(3):277–9
Perforations of the esophagus from gunshot wounds. Popovsky J. **J Trauma** 1984 Apr;24(4):337–9
Traumatic false aneurysm of the vertebral artery. Wiener I, et al. **J Trauma** 1984 Apr;24(4):346–9
Multiple intraspinal and intracranial epidermoids and lipomata following gunshot injury. Smith CM, et al. **Neuropathol Appl Neurobiol** 1984 May–Jun;10(3):235–9
Lumbar disc hernia secondary to gunshot injury. Mariottini A, et al. **Neurosurgery** 1984 Jul;15(1):73–5
Chest wound and hematuria [letter] Wogalter H. **NY State J Med** 1983 Jul–Sep;83(8–10):1040
Traumatic external biliary fistula. Thorsen WB Jr, et al. **Penn Med** 1984 Apr;87(4):48–9
Traumatic intracranial aneurysm and Gradenigo's syndrome secondary to gunshot wound. Capanna AH. **Surg Neurol** 1984 Sep;22(3):263–6
Pulmonary arterial embolus by an unusual wandering bullet. Hafez A, et al. **Thorac Cardiovasc Surg** 1983 Dec; 31(6):392–4
Buckshot colic. Bertini JE Jr, et al. **Urology** 1984 Feb; 23(2):167–9
Ureteral obstruction by shotgun pellet seven years after injury. Gutman H, et al. **Urology** 1984 Feb;23(2):170–2
[Peripheral arteriovenous aneurysms caused by gunshot wounds. Considerations on 2 treated cases] Pane G, et al. **Minerva Cardioangiol** 1984 Mar;32(3):119–24 (Eng. Abstr.) **(Ita)**
[Case of abdominal gunshot wound with multiple intestinal injuries] Wójcik K, et al. **Wiad Lek** 1983 Sep 1; 36(17):1441–4 (Eng. Abstr.) **(Pol)**
[Open bilateral chest injuries associated with necrosis of the small intestine] Sokolov PN, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):143–4 **(Rus)**
[Phlegmasia cerulea of the lower extremities complicating wounds of the thigh] Alimov TU, et al. **Klin Khir** 1983 Jul;(7):74 **(Rus)**
[Heart wound with migration of a bullet into the abdominal aorta] Bisenkov LN, et al. **Vestn Khir** 1983 Jul;131(7):97–8 **(Rus)**
[Infectious intracardiac complications of gunshot wounds of the heart] Shevchenko IuL. **Vestn Khir** 1983 Nov; 131(11):86–9 (Eng. Abstr.) **(Rus)**
[Paraproctitis caused by a foreign body] Vartanov IE. **Vestn Khir** 1983 Jul;131(7):82 **(Rus)**
[Severe septicemia following a gunshot wound of the head] Talyshinskiĭ AM. **Vestn Otorinolaringol** 1984 Mar–Apr; (2):70–1 **(Rus)**
[Roentgenological image of lung contusion in penetrating thoracic injuries] Ishchenko BI, et al. **Vestn Rentgenol Radiol** 1983 Jul–Aug;(4):48–51 (Eng. Abstr.) **(Rus)**
[Treatment of trophic ulcers of the limbs caused by gunshot injuries of the sciatic nerve] Aliev MA, et al. **Voen Med Zh** 1983 Aug;(8):56–7 **(Rus)**
[Gastrointestinal hemorrhage after acute cranio–cerebral injury during the war in Lebanon] Abderakhman S. **Vrach Delo** 1983 Jun;(6):90–1 **(Rus)**
[Traumatic aneurysm of a cerebral artery] Steňo J, et al. **Cesk Neurol Neurochir** 1983 Sep;46(5):336–9 (Eng. Abstr.) **(Slo)**
[Post–traumatic arteriovenous fistula, secondary to a vascular wound from a firearm. Presentation of a case] Muñoz A, et al. **Angiologia** 1984 Sep–Oct;36(5):228–31 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The role of arthroscopy in the management of low–velocity gunshot wounds of the knee joint. Parisien JS, et al. **Clin Orthop** 1984 May;(185):207–13
Gunshot wounds to the buttocks. Vo NM, et al. **Conn Med** 1983 Nov;47(11):685–6
[Possibility of injury in the chest area due to air–pressure weapons – reconstruction of a questionable suicide] Schellmann B, et al. **Beitr Gerichtl Med** 1983;41:75–9 (Eng. Abstr.) **(Ger)**
[Characteristics of gunshot wounds from a semiautomatic rifle fired from a short distance] Arsić B, et al. **Vojnosanit Pregl** 1983 Sep–Oct;40(5):345–6 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Preoperative antibiotics for abdominal gunshot wounds. A prospective, randomized study. Moore FA, et al. **Am J Surg** 1983 Dec;146(6):762–5

ETIOLOGY

Discussion of 'minimal velocities necessary for perforation of skin by air gun pellets and bullets' [letter] Warniment DC. **J Forensic Sci** 1983 Jul;28(3):551
Peacetime automatic weapon–related eye injuries: case reports. Tarabishy R. **Milit Med** 1983 Nov;148(11):874–7
The innocent bystander: the child as unintended victim of domestic violence involving deadly weapons. Nelson KG. **Pediatrics** 1984 Feb;73(2):251–2

HISTORY

Gunshot wounds: a historical perspective. Ragsdale BD. **Milit Med** 1984 Jun;149(6):301–15

METABOLISM

Metabolic changes in skeletal muscle following high–energy trauma. Holmström A, et al. **Acta Chir Scand** 1983; 149(8):729–34
Effects of hypovolemia on local metabolic changes in skeletal muscle following high velocity missile injury. Almskog BA, et al. **Circ Shock** 1984;12(4):253–64
Effects of penicillin G on local metabolic changes in skeletal muscle following high velocity missile injury. Almskog BA, et al. **Eur Surg Res** 1984;16(3):194–200

MORTALITY

Firearms fatalities in Denmark 1970–1979. Hardt–Madsen M, et al. **Forensic Sci Int** 1983 Nov–Dec;23(2–3):93–8
The right to keep and bear arms—a study of civilian homicides committed against those involved in criminal acts in metropolitan Dade County from between 1957 to 1982. Copeland AR. **J Forensic Sci** 1984 Apr;29(2):584–90
Suicide by firearms [letter] **N Engl J Med** 1984 Jan 5; 310(1):46–9

NURSING

Nursing management of gunshot wounds to the head. Stewart CM. **J Neurosurg Nurs** 1983 Oct;15(5):277–82

OCCURRENCE

Childhood injuries caused by nonpowder firearms. Christoffel KK, et al. **Am J Dis Child** 1984 Jun; 138(6):557–61
Gunshot injuries seen at Johannesburg Hospital during 1982. Veller M, et al. **S Afr Med J** 1984 Jul 7;66(1):24–6

PATHOLOGY

The value of fluorescein for predicting viability muscle tissue after high–energy trauma. Holmström A. **Acta Chir Scand** 1984;150(3):193–7
Shored gunshot wound of exit. A phenomenon with identity crisis. Aguilar JC. **Am J Forensic Med Pathol** 1983 Sep; 4(3):199–204
Confusing wounds of entrance and exit with an unusual weapon. Clark MA, et al. **Am J Forensic Med Pathol** 1984 Mar;5(1):75–8
Shored gunshot wounds [letter] Mitchell EK. **Am J Forensic Med Pathol** 1984 Mar;5(1):95–6
Wounds caused by tight contact with the barrel–cylinder gap of revolvers. Rogers DR. **Am J Forensic Med Pathol** 1984 Jun;5(2):131–6
The U.S. M–16 rifle versus the Russian AK–74 rifle [letter] Fackler ML. **Am Surg** 1984 Sep;50(9):515–6
Plastic baton round injuries. Sheridan SM, et al. **Br J Oral Surg** 1983 Dec;21(4):259–67
Wounds caused by centerfire rifles. Di Maio VJ. **Clin Lab Med** 1983 Jun;3(2):257–71
Pathology of injuries caused by high–velocity missiles. Scott R. **Clin Lab Med** 1983 Jun;3(2):273–94
Exit keyhole lesion and direction of fire in a gunshot wound of the skull. Dixon DS. **J Forensic Sci** 1984 Jan;29(1):336–9
Pattern of intersecting fractures and direction of fire. Dixon DS. **J Forensic Sci** 1984 Apr;29(2):651–4
Atypical gunshot wounds of entrance: an empirical study. Donoghue ER, et al. **J Forensic Sci** 1984 Apr;29(2):379–88
Stud guns revisited: report of a suicide and literature review. Weedn VW, et al. **J Forensic Sci** 1984 Apr;29(2):670–8
A note on the variability of barium and antimony levels in cartridge primers and its implication for gunshot residue identification. Booker JL, et al. **J Forensic Sci Soc** 1984 Mar–Apr;24(2):81–4
Wounding potential of the Russian AK–74 assault rifle. Fackler ML, et al. **J Trauma** 1984 Mar;24(3):263–6
Firearm fatalities in Jordan. Al Ragheb SY. **Med Sci Law** 1984 Jul;24(3):213–21
[Detection of shot deposits by sectional study of the shooting hand using atomic absorption] Kijewski H, et al. **Beitr Gerichtl Med** 1984;42:123–32 (Eng. Abstr.) **(Ger)**
[A blanket as a noise silencer] Missliwetz J, et al. **Beitr Gerichtl Med** 1984;42:133–7 (Eng. Abstr.) **(Ger)**
[Histopathologic findings in fresh myocardial injuries. Contribution to vital reactions] Haarhoff K. **Z Rechtsmed** 1984;92(2):137–43 (Eng. Abstr.) **(Ger)**
[Morphological characteristics of gunshot wounds of liver and spleen] Metter D, et al. **Z Rechtsmed** 1983;90(3):167–72 (Eng. Abstr.) **(Ger)**
[Pulmonary squamous cell carcinoma developing around old bullet wound] Hanzawa S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Aug;31(8):1325–9 (Eng. Abstr.) **(Jpn)**
[Examination of the traces of a close discharge from a dragoon sharpshooter's rifle] Chupikov AS. **Sud Med Ekspert** 1984 Jan–Mar;27(1):25–6 (Eng. Abstr.) **(Rus)**
[Penetrating abdominal cavity wound in a shooting by a blank cartridge from a homemade weapon] Tsyganov KM, et al. **Sud Med Ekspert** 1983 Jul–Sep;26(3):53–4 **(Rus)**
[Characteristics of peacetime injuries in the maxillofacial area caused by firearms] Zomlut A, et al. **Chir Maxillofac Plast** 1983;13(2–3):55–61 (Eng. Abstr.) **(Scr)**
[Study of the mechanism of injuries due to high velocity projectiles] Albreht M, et al. **Zb Vojnomed Akad** 1982; 24:5–9 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Regional blood flow in skeletal muscle after high–energy trauma. An experimental study in pigs, using a new laser

Doppler technique and radioactive microspheres. Holmström A, et al. **Acta Chir Scand** 1983;149(5):453–8

[Muscle control of mandibular movement. Complete upper denture case with unilateral TMJ injury] Hayashi T. **Kokubyo Gakkai Zasshi** 1984 Mar;51(1):157–68 **(Jpn)**

PREVENTION & CONTROL

Gunshot wounds in children. A preventible disease. Schikler K, et al. **J Ky Med Assoc** 1984 Feb;82(2):63–5

RADIOGRAPHY

The value of CT scan in gunshot injuries of the brain. Bakay L. **Acta Neurochir (Wien)** 1984;71(3–4):189–204

Laceration of the inferior vena cava of angiographic demonstration. Sclafani SJ, et al. **Cardiovasc Intervent Radiol** 1983;6(3):164–6

The air gun—a dangerous toy. David VC. **Injury** 1983 Sep; 15(2):143–4

Computerized tomography in combat-related craniocerebral penetrating missile injuries. Rappaport ZH, et al. **Isr J Med Sci** 1984 Aug;20(8):668–71

Bullet-shaped chest tube tip: potential pitfall in diagnosis. Messmer JM, et al. **J Forensic Sci** 1984 Jan;29(1):340–4

Wandering missiles: autopsy study. Chapman AJ, et al. **J Trauma** 1984 Jul;24(7):634–7

A rambling bullet [letter] Ivatury RR, et al. **NY State J Med** 1984 Mar;84(3 Pt 1):108

Spontaneous migration of a bullet in the central nervous system. Kerin DS, et al. **Surg Neurol** 1983 Oct;20(4):301–4

[Computed tomographic findings and controls in craniocerebral gunshot wounds] Seidel BU, et al. **Neurochirurgia (Stuttg)** 1983 Nov;26(6):172–6 (Eng. Abstr.) **(Ger)**

[Computed tomographic classification of gunshot wounds of the head] Rodiek SO. **ROFO** 1984 Jul;141(1):11–7 (Eng. Abstr.) **(Ger)**

[Application of roentgenography to medicolegal diagnosis. I. Gunshot wounds] Takatori T, et al. **Nippon Hoigaku Zasshi** 1983 Apr;37(2):115–20 (Eng. Abstr.) **(Jpn)**

[Clinical x-ray diagnosis of gunshot wounds of the lungs] Florikian AK, et al. **Klin Khir** 1983 Oct;(10):7–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Radionuclide cisternography in the late period of penetrating cranio-cerebral wounds] Shcherbakova EIa, et al. **Med Radiol (Mosk)** 1984 Apr;29(4):27–32 (Eng. Abstr.) **(Rus)**

SURGERY

The long-termed results of the plastic surgery of the eyelids and orbital region defects resulting from wartime firearms wounds. Zajkova MV, et al. **Acta Chir Plast (Prague)** 1983; 25(3):127–36

Intra-operative irrigation of the peritoneal cavity with ampicillin in experimental posttraumatic peritonitis. Nyström PO, et al. **Acta Chir Scand** 1984;150(1):45–9

Evaluation of antibiotic therapy and surgical techniques in cases of homicidal wounds of the colon. Mandal AK, et al. **Am Surg** 1984 May;50(5):254–7

Gunshot wounds to the buttocks. Vo NM, et al. **Am Surg** 1983 Nov;49(11):579–81

Management of penetrating cardiac injuries: the role of emergency room thoracotomy. Tavares S, et al. **Ann Thorac Surg** 1984 Sep;38(3):183–7

Bullet wounds of the larynx and trachea. Harrison DF. **Arch Otolaryngol** 1984 Mar;110(3):203–5

Facial reconstruction following blast injury. Close LG, et al. **Head Neck Surg** 1983 Nov-Dec;6(2):639–52

Iatrogenic Horner's syndrome secondary to chest tube thoracostomy. Fleishman JA, et al. **J Clin Neuro Ophthalmol** 1983 Sep;3(3):205–10

The use of the osteocutaneous groin flap in gunshot wounds of the hand. Reinisch JF, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):12–7

Penetrating injuries of the heart: experience over two years in South Africa. Demetriades D, et al. **J Trauma** 1983 Dec; 23(12):1034–41

Penetrating duodenal trauma. Hasson JE, et al. **J Trauma** 1984 Jun;24(6):471–4

Lateral mandibulotomy: a technique of exposure for penetrating injuries of the internal carotid artery at the base of the skull. Dichtel WJ, et al. **Laryngoscope** 1984 Sep;94(9):1140–4

Gunshot fracture of the femur with segmental bone loss. Management by fixation with a Huckstep nail. Sullivan J, et al. **Med J Aust** 1983 Oct 29;2(9):453–4

Peripheral vascular injuries—a three months experience. Kaddoura I, et al. **Middle East J Anaesthesiol** 1983 Feb-Jun;7(1-2):113–20

Penetrating injuries of the heart and the great vessels. Slim M, et al. **Middle East J Anaesthesiol** 1983 Feb-Jun; 7(1-2):99–104

Air sinus wounds: an analysis of 163 consecutive cases incurred in the Korean War, 1950–1952. Arendall RE, et al. **Neurosurgery** 1983 Oct;13(4):377–80

Removal of foreign bodies using image intensifier fluoroscopy. Moccio CL, et al. **NY State Dent J** 1983 Nov; 49(9):696, 698

Midfacial and total nasal reconstruction with bilateral pectoralis major myocutaneous flaps. Morgan RF, et al. **Plast Reconstr Surg** 1984 May;73(5):824–6

Compartment syndrome and fasciotomy. du Plessis HJ, et al. **S Afr J Surg** 1983 Dec;21(4):193–206

In-utero gunshot wound to the head. Use of intraoperative ultrasonography for localization of an intracerebral projectile. Weissman MN, et al. **Surg Neurol** 1984 Apr; 21(4):347–50

[Autogenous free nerve transplantation with interfascicular anastomosis for missile injuries of peripheral nerves] Lu SB. **Chung Hua Wai Ko Tsa Chih** 1983 Nov;21(11):646–9 (Eng. Abstr.) **(Chi)**

[Projectile injuries] Kjaergaard J. **Nord Med** 1984;99(5):142–5 **(Dan)**

[Neurosurgical management of gunshot injuries to the head] Brandt F, et al. **Neurochirurgia (Stuttg)** 1983 Nov; 26(6):164–71 (Eng. Abstr.) **(Ger)**

[Missile injuries of the spinal cord] Ohry A, et al. **Harefuah** 1983 Aug;105(3-4):80–1 **(Heb)**

[Maxillofacial war injuries and their management] Le-Vant H. **Fogorv Sz** 1983 Jul;76(7):202–6 (Eng. Abstr.) **(Hun)**

[Removal of bullets after gunshot wounds] Hagen RH. **Tidsskr Nor Laegeforen** 1984 May 30;104(15):1047–8 (Eng. Abstr.) **(Nor)**

[Management of contaminated injuries of the iliac artery] Aun R, et al. **Rev Paul Med** 1983 Jul-Aug;101(4):151–2 **(Por)**

[Morphology of healing of an experimental gunshot wound following primary surgical treatment] Grigor'ev VV, et al. **Arkh Patol** 1983;45(8):64–72 (Eng. Abstr.) **(Rus)**

[Errors in the primary surgical treatment of wounds of the face] Neupokoev NI. **Khirurgiia (Mosk)** 1984 Jan;(1):116–7 **(Rus)**

[Gunshot wounds of major blood vessels in peacetime] Vasiutkov VIa, et al. **Khirurgiia (Mosk)** 1984 May;(5):76–8 (Eng. Abstr.) **(Rus)**

[Neurosurgical tactics in gunshot wounds of the sagittal-parasagittal region with damage to the dural sinuses] Abderakhman SM. **Klin Khir** 1983 Dec;(12):38–40 (Eng. Abstr.) **(Rus)**

[Injury of the liver, stomach, pancreas, spleen and kidney after penetrating gunshot abdominal wounds] Aslanian SA, et al. **Klin Khir** 1983 Sep;(9):61 **(Rus)**

[Case of successful treatment of a patient with a gunshot wound of the neurovascular bundle at the level of the upper 3d of the left arm] Timokhov SA, et al. **Klin Khir** 1984 Jul;(7):76 **(Rus)**

[Surgical procedure in gunshot fractures of the tubular bones] Karapetian SG, et al. **Ortop Travmatol Protez** 1984 Jun; (6):11–4 (Eng. Abstr.) **(Rus)**

[Educational experimental laboratory as a factor for improving the effectiveness of training in military field surgery] Karpov SP. **Ortop Travmatol Protez** 1984 May; (5):60–1 **(Rus)**

[Surgical treatment of thoracoabdominal wounds] Bisenkov LN. **Vestn Khir** 1983 Dec;131(12):58–62 (Eng. Abstr.) **(Rus)**

[Surgical treatment of gunshot wounds of the chest] Kolesov AP, et al. **Vestn Khir** 1983 Oct;131(10):83–8 (Eng. Abstr.) **(Rus)**

[Peace-time gunshot wounds in children] Siagallo PT, et al. **Vestn Khir** 1983 Dec;131(12):78–80 (Eng. Abstr.) **(Rus)**

[Temporary prosthesis in injuries of the major arteries of the lower limbs] Sudarchikov IuI, et al. **Vestn Khir** 1983 Sep; 131(9):101 **(Rus)**

[Use of cyanoacrylate glue MK-6 in the treatment of injuries of the esophagus] Zhupan VF, et al. **Vestn Khir** 1983 Nov; 131(11):93–5 (Eng. Abstr.) **(Rus)**

[Plastic surgery of organs and tissues of the median facial area using Filatov's flap] Arzhantsev PZ, et al. **Voen Med Zh** 1983 Aug;(8):36–41 **(Rus)**

[Use of CO2 lasers in the treatment of gunshot wounds of the liver (experimental study)] Brekhov EI, et al. **Voen Med Zh** 1984 Mar;(3):69–70 **(Rus)**

[Wyas of improving the effectiveness of surgical treatment of gunshot wounds] Lisitsyn KM, et al. **Voen Med Zh** 1984 Mar;(3):37–9 **(Rus)**

[Problems in the treatment of gunshot wounds in modern warfare] Jovanović Z, et al. **Vojnosanit Pregl** 1983 Jul-Aug; 40(4):247–52 **(Scr)**

THERAPY

Psychiatric care for patients with self-inflicted gunshot wounds. Conn LM, et al. **Am J Psychiatry** 1984 Feb; 141(2):261–3

Gunshot wound to the foot: early management and pathophysiology of projectile wounds. Newman P, et al. **J Foot Surg** 1984 May-Jun;23(3):203–6

Experience with 112 shotgun wounds of the extremities. Deitch EA, et al. **J Trauma** 1984 Jul;24(7):600–3

Approaches to the management of shotgun injuries. Flint LM, et al. **J Trauma** 1984 May;24(5):415–9

Successful management of acute traumatic duodenocaval fistula. Hopper J, et al. **J Trauma** 1983 Nov;23(11):1015–6

Outpatient management of 357 gunshot wounds to the chest. Ordog GJ, et al. **J Trauma** 1983 Sep;23(9):832–5

War injuries of limbs. Basic principles of management. Nsouli A. **Middle East J Anaesthesiol** 1983 Feb-Jun;7(1-2):137–40

Missile craniocerebral injuries. Saba MI. **Middle East J Anaesthesiol** 1983 Feb-Jun;7(1-2):55–8

[Electrostimulation of bone repair in open fractures] Rutskiĭ VV. **Voen Med Zh** 1983 Oct;(10):49–51 **(Rus)**

VETERINARY

Urethral ballistics [letter] **Vet Rec** 1984 Apr 21;114(16):412

WOUNDS, NONPENETRATING

Diaphragmatic rupture from blunt trauma. McElwee TB, et al. **Am Surg** 1984 Mar;50(3):143–9

Complete transection of the intrathoracic trachea due to blunt trauma. Lazar HL, et al. **Ann Thorac Surg** 1984 Jun; 37(6):505–7

Laceration of a mitral papillary muscle and the aortic root as a result of blunt trauma to the chest. Case report and review of the literature. Cuadros CL, et al. **J Thorac Cardiovasc Surg** 1984 Jul;88(1):134–40

Orbital rim trauma causing a blowout fracture. Kulwin DR, et al. **Plast Reconstr Surg** 1984 Jun;73(6):969–71

[Blunt chest injuries] Bugge-Asperheim B, et al. **Tidsskr Nor Laegeforen** 1984 Mar 30;104(9):634–7 (Eng. Abstr.) **(Nor)**

[Blunt biliary tract injuries] Valen B. **Tidsskr Nor Laegeforen** 1984 Feb 10;104(4):243–4 (Eng. Abstr.) **(Nor)**

BLOOD

Polymorphonuclear leukocyte migration abnormalities and their significance in seriously traumatized patients. Maderazo EG, et al. **Ann Surg** 1983 Dec;198(6):736–42

[Hemoglobin affinity for oxygen in patients with closed chest injuries] Matveev SB, et al. **Grudn Khir** 1983 Jul-Aug; (4):59–62 (Eng. Abstr.) **(Rus)**

[Diagnostic and prognostic value of indicators of the hemostasis system in closed abdominal injuries] Luk'ianets BG. **Vestn Khir** 1984 May;132(5):73–5 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Classification of the traumatizing surfaces of blunt objects by the characteristics of the injuries] Akopov VI. **Sud Med Ekspert** 1983 Jul-Sep;26(3):43–4 **(Rus)**

[Forensic medical classification of blunt objects] Popov VL. **Sud Med Ekspert** 1983 Jul-Sep;26(3):44–5 **(Rus)**

COMPLICATIONS

Traumatic rupture of the common duct in sclerosing cholangitis. Jacobson G, et al. **Acta Chir Scand** 1984; 150(2):187–9

Intestinal intramural haemorrhage after blunt abdominal trauma. Johansson L, et al. **Acta Chir Scand** 1984; 150(2):165–71

Coronary artery-right ventricular fistula and organic tricuspid regurgitation due to blunt chest trauma. Sareli P, et al. **Am J Cardiol** 1984 Sep 1;54(6):697–9

Frequency of myocardial injury after blunt chest trauma as evaluated by radionuclide angiography. Sutherland GR, et al. **Am J Cardiol** 1983 Nov 1;52(8):1099–103

Quiz of the month: question 1. Campese VM. **Am J Nephrol** 1983 Sep-Oct;3(5):285, 295

Aspirin and recurrent hyphema after blunt ocular trauma. Ganley JP, et al. **Am J Ophthalmol** 1983 Dec;96(6):797–801

Gastric rupture from blunt trauma. A plea for minimal diagnostics and early surgery. Courcy PA, et al. **Am Surg** 1984 Aug;50(8):424–7

Cervical radiographic evaluation of alert patients following blunt trauma. Fischer RP. **Ann Emerg Med** 1984 Oct; 13(10):905–7

Diaphragmatic rupture following blunt trauma. Hagman J, et al. **Ann Emerg Med** 1984 Jan;13(1):49–52

Aortic injury: comparison of supine and upright portable chest films to evaluate the widened mediastinum. Schwab CW, et al. **Ann Emerg Med** 1984 Oct;13(10):896–9

Significance of symptoms and signs in patients with traumatic aortic rupture. Sturm JT, et al. **Ann Emerg Med** 1984 Oct; 13(10):876–8

Blunt chest trauma with tracheobronchial rupture. Pratt LW, et al. **Ann Otol Rhinol Laryngol** 1984 Jul-Aug;93(4 Pt 1):357–63

Radiographic manifestations of mediastinal hemorrhage from blunt chest trauma. Woodring JH, et al. **Ann Thorac Surg** 1984 Feb;37(2):171–8 (64 ref.)

Acute mitral regurgitation after blunt chest trauma. Mazzucco A, et al. **Arch Intern Med** 1983 Dec; 143(12):2326–9

Disruption of aortic arch branches due to nonpenetrating chest trauma. Faro RS, et al. **Arch Surg** 1983 Nov; 118(11):1333–6

Myocardial dysfunction following blunt chest trauma. Harley DP, et al. **Arch Surg** 1983 Dec;118(12):1384–7

Aneurysm of left ventricle and left coronary artery after non-penetrating chest trauma. Stone DL, et al. **Br Heart J** 1983 Nov;50(5):495–7

Blunt trauma to the cervical portion of the trachea. A case report. Dash HH, et al. **Br J Anaesth** 1983 Dec; 55(12):1271–2

Disseminated intravascular coagulation and facial injury. Samman N. **Br J Oral Maxillofac Surg** 1984 Aug; 22(4):295–300

Retropharyngeal haemorrhage. Irvine GH. **Br J Surg** 1984 Apr;71(4):320–1

Cardiac arrest after crush injury [letter] James PB.

Br Med J [Clin Res] 1983 Sep 17;287(6395):839
Observations on retinal detachment with history of trauma (non-penetrating). Ganguli DP. **Indian J Ophthalmol** 1983 May;31(3):184-7
Emergencies in delayed diaphragmatic herniation due to blunt trauma. Cozacov C, et al. **Injury** 1984 May; 15(6):370-1
Acute left anterior descending coronary artery occlusion following blunt chest injury. Lau OJ, et al. **Injury** 1984 Jul;16(1):55-6
False aneurysm following blunt trauma. Mikulin T, et al. **Injury** 1984 Mar;15(5):309-10
Closed and penetrating abdominal injuries in Nigerian Igbos. Nwabunike T. **Injury** 1984 May;15(6):372-5
Isolated injury to the intestine from blunt abdominal injury. Rouse T, et al. **Injury** 1984 Sep;16(2):131-3
Rupture of the diaphragm by blunt trauma as a marker of injury severity. van der Werken C, et al. **Injury** 1983 Nov; 15(3):149-52
Acute tracheoesophageal communication: a diagnostic sign for an unusual injury. Fitzpatrick BT, et al. **Ir Med J** 1983 Oct;76(10):421-2
Blunt abdominal trauma with unrecognized urinary tract injury. Starinsky R, et al. **Isr J Med Sci** 1984 May; 20(5):401-4
The direct surgical management of lesions of the high internal carotid artery. Pellegrini RV, et al. **J Cardiovasc Surg (Torino)** 1984 Jan-Feb;25(1):29-35
Sequelae of mild closed head injuries. O'Shaughnessy EJ, et al. **J Fam Pract** 1984 Mar;18(3):391-4
Bronchial injuries in closed chest trauma. Subbarao KS, et al. **J Indian Med Assoc** 1983 Jul 1-16;81(1-2):17-9
Tracheo-oesophageal fistula following blunt trauma. Banerjee A, et al. **J Laryngol Otol** 1984 Jul;98(7):743-4
Late outcome of very severe blunt head trauma: a 10-15 year second follow-up. Thomsen IV. **J Neurol Neurosurg Psychiatry** 1984 Mar;47(3):260-8
Aortic false aneurysm following blunt trauma of the abdomen. Bass A, et al. **J Trauma** 1983 Dec;23(12):1072-3
Traumatic pseudoaneurysm of the axillary artery: report of three cases and literature review. Gallen J, et al. **J Trauma** 1984 Apr;24(4):350-4
Traumatic cholecystectomy. Kaehr D, et al. **J Trauma** 1984 Jun;24(6):544-5
Blunt cardiac rupture. Martin TD, et al. **J Trauma** 1984 Apr; 24(4):287-90
The diagnosis of intra-abdominal injury in patients with cervical cord trauma. Soderstrom CA, et al. **J Trauma** 1983 Dec;23(12):1061-5
Injuries associated with fractures of the transverse processes of the thoracic and lumbar vertebrae. Sturm JT, et al. **J Trauma** 1984 Jul;24(7):597-9
Management of traumatic hematuria by selective renal artery embolization. Uflacker R, et al. **J Urol** 1984 Oct; 132(4):662-7
Sympathetic ophthalmia: induced by vitrectomy not by trauma. Tamai M, et al. **Jpn J Ophthalmol** 1984;28(1):75-9
Pharyngoesophageal perforations after blunt trauma to the neck. Hagan WE. **Otolaryngol Head Neck Surg** 1983 Dec; 91(6):620-6
Head injury associated with carotid occlusion due to blunt cervical trauma. Bok AP, et al. **S Afr J Surg** 1984 Feb-Mar; 22(1):43-50
Survival after blunt traumatic rupture of the abdominal aorta. A case report. Levien LJ, et al. **S Afr J Surg** 1983 Dec; 21(4):251-4
Bronchial rupture caused by blunt chest trauma. Halttunen PE, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(2):141-4
Rupture of the cervical esophagus from blunt trauma. Goudarzi HA, et al. **South Med J** 1983 Dec;76(12):1563-4
Right atrial rupture due to blunt chest trauma. Griffith GL, et al. **South Med J** 1984 Jun;77(6):715-6
Thoracic duct injury from blunt trauma. Pai GP, et al. **South Med J** 1984 May;77(5):667-8
Traumatic diaphragmatic rupture involving the pericardium. Slung HB, et al. **South Med J** 1983 Nov;76(11):1459-60
Cervical intraextradural hematoma secondary to radicular artery injury: a case report. Sabshin JK, et al. **Spine** 1983 Nov-Dec;8(8):807-11
Traumatic diaphragmatic hernia. Adamthwaite DN. **Surg Annu** 1983;15:73-97 (48 ref.)
Common femoral artery injury by blunt trauma: a case report. Scott CM, et al. **Surgery** 1984 Jul;96(1):122-5
The effects of blunt trauma on the posterior segment of the eye. Benson WE. **Trans Pa Acad Ophthalmol Otolaryngol** 1984 Spring; 37(1):26-33
Traumatic rupture of female urethra. Netto Júnior NR, et al. **Urology** 1983 Dec;22(6):601-3
[Post-traumatic aneurysms of the thoracic aorta] Hejnal J, et al. **Rozhl Chir** 1984 May;63(5):330-7 (Eng. Abstr.) **(Cze)**
[Duodenal rupture after blunt abdominal injury] Wamberg P, et al. **Ugeskr Laeger** 1983 Aug 8;145(32):2437-9 (Eng. Abstr.) **(Dan)**
[Traumatic hemopericardium: unknown and unrecognized] Goris RJ. **Ned Tijdschr Geneeskd** 1984 May 19; 128(20):937-9 **(Dut)**
[Perineal rupture and anorectal incontinence with traumatic sacroiliac dislocation. Treatment and functional results] Mignon T, et al. **Acta Chir Belg** 1983 Nov-Dec;83(6):420-6 (Eng. Abstr.) **(Fre)**
[Isolated lesions of the gallbladder, in closed abdominal injuries. Apropos of 7 cases] Milani H, et al. **Acta Chir Belg** 1984 May-Jun;84(3):180-5 (Eng. Abstr.) **(Fre)**
[Acute pancreatitis caused by isolated involvement of the pancreas after closed abdominal injury] Fadel N, et al. **Sem Hop Paris** 1984 Mar 8;60(11):795-7 (Eng. Abstr.) **(Fre)**
[Rupture of the bladder in blunt abdominal injuries] Jonitz H, et al. **Helv Chir Acta** 1983 Jun;50(3):231-4 (Eng. Abstr.) **(Ger)**
[Lesions of the gastric mucosa caused by blunt abdominal injury] Maurer G, et al. **Z Gesamte Inn Med** 1984 Mar 15;39(6):105-6 (Eng. Abstr.) **(Ger)**
[Lesions of the superior mesenteric vessels in closed injuries of the abdomen] Girolimoni G, et al. **Ann Ital Chir** 1983; 55(2):145-59 (42 ref.) **(Ita)**
[Right-sided traumatic diaphragmatic hernia following blunt trauma] Sadamitsu D, et al. **Nippon Geka Gakkai Zasshi** 1984 Feb;85(2):182-7 (Eng. Abstr.) **(Jpn)**
[Intrathoracic spleen secondary to non-penetrating traumatic rupture of the diaphragm] Hirano N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Nov; 21(11):1122-5 (Eng. Abstr.) **(Jpn)**
[Broncho-pulmonary contusions due to blunt thoracic injuries requiring emergency surgery--report of 5 cases] Inoue H, et al. **Rinsho Kyobu Geka** 1983 May;3(3):315-20 (Eng. Abstr.) **(Jpn)**
[Intrapulmonary hematoma and air cyst following nonpenetrating chest trauma in children] Nakae S, et al. **Rinsho Kyobu Geka** 1984 Jan;4(1):92-6 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of traumatic tricuspid insufficiency] Okada K, et al. **Rinsho Kyobu Geka** 1983 Jul;3(4):494-8 (Eng. Abstr.) **(Jpn)**
[Heart contusion after non-penetrating injuries of the torso] Eritsland J, et al. **Tidsskr Nor Laegeforen** 1983 Sep 10; 103(25):1738-40 (Eng. Abstr.) **(Nor)**
[Selective treatment of spleen injuries after blunt wounds] Langlo L, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30; 104(3):169-71 (Eng. Abstr.) **(Nor)**
[Liver injuries after non-penetrating wounds] Langlo L, et al. **Tidsskr Nor Laegeforen** 1984 Jan 30;104(3):167-9 (Eng. Abstr.) **(Nor)**
[Role of blunt injury in retinal detachment in aphakic eyes] Bartkowska-Orłowska M. **Klin Oczna** 1984 Jan;86(1):25-6 (Eng. Abstr.) **(Pol)**
[Traumatic occlusion of the middle cerebral artery: report of a case] De Araujo JC, et al. **Arq Neuropsiquiatr** 1984 Mar;42(1):50-4 (Eng. Abstr.) **(Por)**
[Lesions of the tracheobronchial tree due to closed chest injuries] Amauchi W, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1983 Jun;38(3):130-6 (Eng. Abstr.) **(Por)**
[Traumatic tracheoesophageal fistula] Dzhafarov ChM, et al. **Grudn Khir** 1983 Jul-Aug;(4):79 **(Rus)**
[Damage to the thoracic duct] Shchiglik GM, et al. **Grudn Khir** 1983 Jul-Aug;(4):81-2 **(Rus)**
[Closed injuries of the internal carotid artery] Gavrilov VA, et al. **Khirurgiia (Mosk)** 1984 May;(5):128-9 **(Rus)**
[Surgical tactics in closed injuries of the duodenum] Postolov MP, et al. **Khirurgiia (Mosk)** 1983 Nov;(11):105-7 (Eng. Abstr.) **(Rus)**
[Isolated rupture of the gallbladder in blunt abdominal injury] Mamedov VS, et al. **Klin Khir** 1983 Sep;(9):60-1 **(Rus)**
[Dynamics of changes in the polarization coefficient of muscle tissue in cases of death from mechanical injury] Vorob'eva ND. **Sud Med Ekspert** 1983 Oct-Dec;26(4):21-4 **(Rus)**
[Pathogenetic basis of rendering aid to patients with combined closed chest injuries] Chernobrovyi NP, et al. **Vestn Khir** 1984 May;132(5):125-8 **(Rus)**
[Rare localization of the source of retroperitoneal hemorrhage] Lebedev AA. **Vestn Khir** 1984 Apr; 132(4):74-5 **(Rus)**
[Gastrointestinal hemorrhage after acute cranio-cerebral injury during the war in Lebanon] Abderakhman S. **Vrach Delo** 1983 Jun;(6):90-1 **(Rus)**

DIAGNOSIS

Chronic traumatic thoracic aneurysm: demonstration by two-dimensional echocardiography. von Doenhoff LJ, et al. **Am J Cardiol** 1984 Sep 1;54(6):692-3
Blunt diaphragmatic rupture. Beauchamp G, et al. **Am J Surg** 1984 Aug;148(2):292-5
Blunt cardiac trauma. Mayfield W, et al. **Am J Surg** 1984 Jul;148(1):162-7
The value of sequential peritoneal profile in blunt abdominal trauma. Kusminsky RE, et al. **Am Surg** 1984 May; 50(5):248-53
Diagnostic peritoneal lavage in blunt trauma patients with coagulopathy. Berry TK, et al. **Ann Emerg Med** 1984 Oct; 13(10):879-80
Cranial nuclear magnetic resonance imaging in head trauma. Gandy SE, et al. **Ann Neurol** 1984 Aug;16(2):254-7
Evulsion of the optic nerve in association with basketball injuries. Chow AY, et al. **Ann Ophthalmol** 1984 Jan; 16(1):35-7
A prospective study comparing nuclear scintigraphy and computerized axial tomography in the initial evaluation of the trauma patient. Uthoff LB, et al. **Ann Surg** 1983 Nov; 198(5):611-6
Blunt abdominal trauma simulating Crohn's disease of the terminal ileum. Brownstein EG. **Aust NZ J Surg** 1984 Jun; 54(3):287-9
Blunt injury of the radial and ulnar arteries in volley ball players. A report of three cases of the antebrachial-palmar hammer syndrome. Kostianen S, et al. **Br J Sports Med** 1983 Sep;17(3):172-6
Early determinants of outcome in blunt injury. Kassum DA, et al. **Can J Surg** 1984 Jan;27(1):64-9
Management of blunt injury to the lower urinary tract. MacMahon R, et al. **Can J Surg** 1983 Sep;26(5):415-8
Blunt splenic trauma: diagnosis and management. Mustard RA Jr, et al. **Can J Surg** 1984 Jul;27(4):330-3
Blunt renal trauma: another ploy in Münchausen's syndrome [letter] Nicolel JC. **Can Med Assoc J** 1984 Feb 15; 130(4):348-9
Traumatic injuries of the lower ureter associated with pelvic fractures. Bick C, et al. **Eur Urol** 1984;10(2):143-4
Traumatic diaphragmatic rupture. Griffith GL, et al. **J Ky Med Assoc** 1983 Aug;81(8):613-6
Transection of the cervical trachea resulting from closed trauma to the neck. Cherry JR, et al. **J Laryngol Otol** 1984 Jan;98(1):97-100
Ultrasonography in the management of liver trauma in children. Lam AH, et al. **J Ultrasound Med** 1984 May; 3(5):199-203
Ultrasonography for the diagnosis and staging of blunt scrotal trauma. Anderson KA, et al. **J Urol** 1983 Nov;130(5):933-5
Re: Traumatic rupture of the testicle and a review of the literature [letter] Redman JF. **J Urol** 1983 Feb;129(2):393
Diagnostic peritoneal lavage--the Brooke Army Medical Center experience. Solla JA, et al. **Milit Med** 1984 Aug; 149(8):482-4
Indirect injury of the optic nerve. Kline LB, et al. **Neurosurgery** 1984 Jun;14(6):756-64
Occult ruptured spleen--two unusual clinical presentations. Moore PG, et al. **Postgrad Med J** 1984 Feb;60(700):171-3
Diagnostic imaging in blunt trauma of the abdomen. Jones TK, et al. **Surg Gynecol Obstet** 1983 Oct;157(4):389-98 (122 ref.)
Blunt renal pelvic and ureteral injury in multiple-injured patients. Cass AS. **Urology** 1983 Sep;22(3):268-70
[Enzyme studies in closed thoracic injuries] Tsankov A, et al. **Khirurgiia (Sofiia)** 1983;36(5):430-5 **(Bul)**
[Closed abdominal injuries: importance and results of peritoneal puncture-lavage] Druart ML, et al. **Acta Chir Belg** 1984 May-Jun;84(3):165-9 (Eng. Abstr.) **(Fre)**
[Acquired interventricular communication and false left ventricular aneurysm caused by non-penetrating trauma of the thorax] Ollivier JP, et al. **Arch Mal Coeur** 1983 Jun; 76(6):747-50 (Eng. Abstr.) **(Fre)**
[Heart lesions caused by blunt trauma. Echocardiographic follow-up studies] Lambertz H, et al. **Dtsch Med Wochenschr** 1984 Feb 10;109(6):218-21 (Eng. Abstr.) **(Ger)**
[Ultrasound diagnosis following blunt abdominal injury in childhood] Schulz RD, et al. **Ultraschall Med** 1983 Sep; 4(3):154-9 (Eng. Abstr.) **(Ger)**
[Capacity for activity in penetrating and blunt abdominal injuries] Saternus KS, et al. **Z Rechtsmed** 1983;91(2):101-14 (Eng. Abstr.) **(Ger)**
[Pancreas injuries following blunt abdominal trauma] Clemens M, et al. **Z Unfallchir Versicherungsmed Berufskr** 1984;77(1):31-7 **(Ger)**
[Urine pseudocyst following multiple injury with closed subpelvic ureteral rupture in childhood] Hallmann B, et al. **Z Urol Nephrol** 1983 Oct;76(10):653-64 (Eng. Abstr.) **(Ger)**
[Peritoneal irrigation in the diagnosis of intra-abdominal organ injuries in blunt thoracic injuries] Belgerden S, et al. **Zentralbl Chir** 1984;109(6):433-5 **(Ger)**
[Diagnostic significance of echography in the intensive care of closed abdominal injuries] Testasecca D, et al. **Minerva Anestesiol** 1984 Jan-Feb;50(1-2):19-24 (Eng. Abstr.) **(Ita)**
[Emergency thoracoscopy in closed injuries of the chest cavity] Avilova OM, et al. **Grudn Khir** 1984 Mar-Apr; (2):52-6 (Eng. Abstr.) **(Rus)**
[Diagnosis and choice of surgical treatment method in duodenal injuries] Kochnev OS, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):41-5 (Eng. Abstr.) **(Rus)**
[Double-phase ruptures of the liver and spleen] Raikevich NP. **Khirurgiia (Mosk)** 1984 Mar;(3):73-5 (Eng. Abstr.) **(Rus)**
[Therapeutic procedure in closed chest injury] Kabanov AN, et al. **Klin Khir** 1983 Oct;(10):1-4 (Eng. Abstr.) **(Rus)**
[Closed and open abdominal injuries] Mamedov IM, et al. **Klin Khir** 1984 Jun;(6):61-2 **(Rus)**
[Diagnosis and treatment of closed abdominal injuries] Skripnichenko DF, et al. **Klin Khir** 1984 Apr;(4):1-3 (Eng. Abstr.) **(Rus)**
[Diagnosis and results of treatment of patients with liver injuries] Zinevich VP, et al. **Klin Med (Mosk)** 1984 May; 62(5):71-3 **(Rus)**
[Differential diagnostic signs of injuries to the bones of the cranial vault by heavy blunt objects] Kodin VA. **Sud Med Ekspert** 1984 Jan-Mar;27(1):45-7 (Eng. Abstr.) **(Rus)**
[Medico-legal estimation of the time factor in severe blunt

injuries] Sosedko IuI. **Sud Med Ekspert** 1984 Apr-Jun; 27(2):15-8 (Eng. Abstr.) **(Rus)**

[Diaphragmatic injuries] Avilova OM, et al. **Vestn Khir** 1983 Jul;131(7):89-93 (Eng. Abstr.) **(Rus)**

[Injuries and wounds of the large intestine] Petrov VP, et al. **Voen Med Zh** 1984 Feb;(2):21-3 **(Rus)**

[Renal injuries in children] García Mérida M, et al. **An Esp Pediatr** 1984 Apr 15;20(6):619-24 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Corticosteroids in the treatment of blunt injury of the chest. Svennevig JL, et al. **Injury** 1984 Sep;16(2):80-4

[Effect of antiphlogistic substances on postcontusional intraocular irritation an animal experiment study] Kreutzer PH. **Fortschr Ophthalmol** 1983;80(2):148-51 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Creatine kinase and lactate dehydrogenase isoenzymes in serum of patients suffering burns, blunt trauma, or myocardial infarction. Shahangian S, et al. **Clin Chem** 1984 Aug;30(8):1332-8

Serum amylase and its isoenzymes: a clarification of their implications in trauma. Bouwman DL, et al. **J Trauma** 1984 Jul;24(7):573-8

ETIOLOGY

Thoracic injuries in road traffic accidents: analysis of 148 cases. Adeyemo AO, et al. **Injury** 1984 Jul;16(1):30-4

Rupture of the diaphragm in a wrestling match. McCormack DL, et al. **J Iowa Med Soc** 1983 Oct;73(10):406-8

Blunt carotid artery trauma associated with maxillofacial injuries: report of three cases. Popowich L. **J Oral Maxillofac Surg** 1984 Jul;42(7):462-5

[Pressure hose injuries in the Aachen coal area] Kesternich HG, et al. **Fortschr Ophthalmol** 1984;81(1):83-4 (Eng. Abstr.) **(Ger)**

[Injuries of the ureter caused by external forces] Egilmez AN, et al. **Helv Chir Acta** 1983 Jun;50(3):225-9 (Eng. Abstr.) **(Ger)**

[Ureteral injuries. Apropos of 2 cases] Martín Benito JL, et al. **Arch Esp Urol** 1983 Nov-Dec;36(6):427-32 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[B-immunity system indices of patients with closed craniocerebral injury] Lisianyĭ NI, et al. **Fiziol Zh** 1984 Jul-Aug;30(4):463-7 (Eng. Abstr.) **(Rus)**

[Humoral immunologic reaction after trauma of various severities] Aleksandrov VN. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):70-3 (Eng. Abstr.) **(Rus)**

MORTALITY

Determinants of survival after vena caval injury. Analysis of a 14-year experience. Kudsk KA, et al. **Arch Surg** 1984 Sep;119(9):1009-12

Deaths from blunt trauma: a review of 105 cases. Gilroy D. **Injury** 1984 Mar;15(5):304-8

OCCURRENCE

Gynecologic injury in the nongravid female during blunt abdominal trauma. Stone NN, et al. **J Trauma** 1984 Jul; 24(7):626-7

Urological trauma in the Pacific Northwest: etiology, distribution, management and outcome. Krieger JN, et al. **J Urol** 1984 Jul;132(1):70-3

PATHOLOGY

Midline rupture of the mesencephalon. Bojsen-Møller M. **Acta Neurochir [Suppl] (Wien)** 1983;32:105-7

Head-in-motion contusions in young adults. Kirkpatrick JB. **Acta Neurochir [Suppl] (Wien)** 1983;32:115-7

Blunt injury to the subclavian artery. Faris I, et al. **Aust NZ J Surg** 1984 Jun;54(3):249-51

Evulsion of the optic nerve: a clinicopathological study. Sanborn GE, et al. **Can J Ophthalmol** 1984 Feb;19(1):10-6

Nonpenetrating cardiac trauma. Siegel RL. **J Med Soc NJ** 1983 Dec;80(12):1019-24 (26 ref.)

A case of localised traumatic lymphoedema: observations concerning the obstruction of initial lymphatics and tissue channels by fibrin, and Menkin's hypothesis. Casley-Smith JR. **Lymphology** 1983 Sep;16(3):143-9

Traumatic rupture of the anterior papillary muscle. Review of the literature and report of a case. Scorretti C. **Z Rechtsmed** 1983;91(2):153-7

[Criminalogic aspects of indirect orbital roof fractures] Pollak S, et al. **Arch Kriminol** 1983 Nov-Dec;172(5-6):159-65 **(Ger)**

[Heart injuries resulting from blunt force (letter)] Schmidt CD. **Dtsch Med Wochenschr** 1984 Jun 8;109(23):928 **(Ger)**

[Rupture of the abdominal aorta following blunt, non-penetrating abdominal trauma] Wozasek GE. **Unfallheilkunde** 1984 Mar;87(3):126-8 (Eng. Abstr.) **(Ger)**

[Isolated rupture of Meckel's diverticulum in closed abdominal injury] Averin VI, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):131 **(Rus)**

[Retroperitoneal rupture of the duodenum] Glabaĭ VP, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):130-1 **(Rus)**

[Closed injury of the abdomen with multiple ruptures of the liver and total avulsion of the common bile duct] Bordyniuk Glu. **Klin Khir** 1984 Apr;(4):47 **(Rus)**

PHYSIOPATHOLOGY

Blunt ocular trauma. Sanke RF. **Am Fam Physician** 1984 Feb; 29(2):159-64

The effects of indirect blunt trauma on adult canine articular cartilage [letter] Hurwitz S. **J Bone Joint Surg [Am]** 1984 Jan;66(1):152

Cardiovascular distortion in experimental nonpenetrating chest impacts. Cooper GJ, et al. **J Trauma** 1984 Mar; 24(3):188-200

Perioperative transcutaneous O2 monitoring in the management of major peripheral arterial trauma. Kram HB, et al. **J Trauma** 1984 May;24(5):443-5

Axonal physiology of chronic spinal cord injury in the cat: intracellular recording in vitro. Blight AR. **Neuroscience** 1983 Dec;10(4):1471-86

Compression injuries of the cervical spine: a biomechanical analysis. Maiman DJ, et al. **Neurosurgery** 1983 Sep; 13(3):254-60

[Behavior of intraocular pressure in eye contusion. An experimental study] Kreutzer PH, et al. **Fortschr Ophthalmol** 1983;80(5):439-41 (Eng. Abstr.) **(Ger)**

[Injuries of the ureter caused by external force] Sigel A, et al. **Urologe [Ausg A]** 1984 Jan;23(1):30-4 (Eng. Abstr.) **(Ger)**

[Clinical and pathophysiological study of myocardial contusion] Mashiko K. **Nippon Geka Gakkai Zasshi** 1983 Nov;84(11):1138-48 (Eng. Abstr.) **(Jpn)**

[Function of the hemostatic system in craniocerebral injury in children] Tabakina TE, et al. **Gematol Transfuziol** 1983 Dec;28(12):29-32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Value of computed tomography in traumatic pancreatitis in children. Ivancev K, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(6):441-4

Upper abdominal trauma in children: imaging evaluation. Kaufman RA, et al. **AJR** 1984 Mar;142(3):449-60

Mediastinal-width/chest-width ratio in blunt chest trauma: a reappraisal. Marnocha KE, et al. **AJR** 1984 Feb; 142(2):275-7

CT diagnosis of unsuspected pneumothorax after blunt abdominal trauma. Wall SD, et al. **AJR** 1983 Nov; 141(5):919-21

Splenic trauma. Frye TA, et al. **Am Fam Physician** 1984 Jun; 29(6):149-50

Computerized tomography in the evaluation of blunt abdominal trauma. Nelson EW, et al. **Am J Surg** 1983 Dec; 146(6):751-4

Traumatic disruption of the brachiocephalic artery. Dula DJ, et al. **Ann Emerg Med** 1983 Oct;12(10):639-41

Chest roentgenographic findings in 26 patients with traumatic rupture of the thoracic aorta. Sturm JT, et al. **Ann Emerg Med** 1983 Oct;12(10):598-600

CT in the posttraumatic liver. Thomas JK, et al. **Comput Radiol** 1984 Mar-Apr;8(2):85-9

New murmur following blunt chest trauma [clinical conference] Szabo JR, et al. **Invest Radiol** 1984 May-Jun; 19(3):163-7

Indications for aortography. Radiography after blunt chest trauma: a reassessment of the radiographic findings associated with traumatic rupture of the aorta. Williams S, et al. **Invest Radiol** 1983 May-Jun;18(3):230-7

Urinary tract trauma. Campbell JE. **J Can Assoc Radiol** 1983 Sep;34(3):237-48

The radiology of blunt chest trauma. Shulman HS, et al. **J Can Assoc Radiol** 1983 Sep;34(3):204-17

Blunt trauma to the chest. Kabnick EM, et al. **J Natl Med Assoc** 1984 Apr;76(4):413-4

Early versus late lateral ventricular enlargement following closed head injury. Meyers CA, et al. **J Neurol Neurosurg Psychiatry** 1983 Dec;46(12):1092-7

Combined azygous vein and subclavian artery injury in blunt chest trauma. Baldwin JC, et al. **J Trauma** 1984 Feb; 24(2):170-1

Diagnosis of isolated perforation of the gallbladder following blunt trauma using sonography and CT scan. Gottesman L, et al. **J Trauma** 1984 Mar;24(3):280-1

Value of computed tomography in management of acute laryngeal injury. Stanley RB Jr. **J Trauma** 1984 Apr; 24(4):359-62

Radiological evaluation of visceral injuries in the battered child syndrome. Kirks DR. **Pediatr Ann** 1983 Dec; 12(12):888-93

Blunt abdominal trauma and hollow viscus injury in children: the diagnostic value of plain radiography. Zahran M, et al. **Pediatr Radiol** 1984;14(5):304-9

Computed tomography of blunt abdominal trauma. Federle MP. **Radiol Clin North Am** 1983 Sep;21(3):461-75

[Effect of modern, radiological systems on the diagnostic sequence in kidney injuries] Kunit G, et al. **Helv Chir Acta** 1983 Jun;50(3):215-7 (Eng. Abstr.) **(Ger)**

[Computer tomographic and neurologic observations in the acute phase of closed craniocerebral injuries] Liesegang J, et al. **Neurochirurgia (Stuttg)** 1984 May;27(3):62-5 (Eng. Abstr.) **(Ger)**

[Emergency angiography in the diagnosis of nonpenetrating injuries of the abdominal organs] Shapkin VS, et al. **Vestn Khir** 1983 Jul;131(7):83-9 (Eng. Abstr.) **(Rus)**

[Contrast arthrography in the diagnosis of a closed soft-tissue injury to the elbow joint] Veisman IuA, et al. **Vestn Rentgenol Radiol** 1983 May-Jun;(3):49-53 (Eng. Abstr.) **(Rus)**

[Traumatic section of the ureteropelvic junction in children, report of 2 cases. Review of the literature] Agra Cadarso B, et al. **An Esp Pediatr** 1984 Apr 15;20(6):604-8 (Eng. Abstr.) **(Spa)**

[Renal trauma. Radiologic evaluation of lesions of the parenchyma and superior excretory tract. General review. I] Escudero Barrilero A, et al. **Arch Esp Urol** 1983 Jul-Aug; 36(4):234-49 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Scintigraphic evaluation of the urinary system in a case of severe renal trauma [letter] Bushnell DL, et al. **J Nucl Med** 1984 Sep;25(9):1053-5

Strategy for the use of biliary scintigraphy in non-iatrogenic biliary trauma. Zeman RK, et al. **Radiology** 1984 Jun; 151(3):771-7

Radionuclide imaging of the injured spleen and liver. Lutzker LG. **Semin Nucl Med** 1983 Jul;13(3):184-98 (64 ref.)

REHABILITATION

Computerized tomography head scans as predictors of rehabilitation outcome. Rao N, et al. **Arch Phys Med Rehabil** 1984 Jan;65(1):18-20

SURGERY

Primary repair of bilateral diaphragmatic rupture with crural involvement. Wyffels PL, et al. **Am J Surg** 1984 Mar; 147(3):414-7

Blunt traumatic rupture of the abdominal wall musculature. Metzdorff MT, et al. **Ann Plast Surg** 1984 Jul;13(1):63-6

Blunt abdominal trauma. A 5-year analysis of 870 patients requiring celiotomy. Cox EF. **Ann Surg** 1984 Apr; 199(4):467-74

The management of subclavian artery injuries following blunt thoracic trauma. Sturm JT, et al. **Ann Thorac Surg** 1984 Sep;38(3):188-91

Laryngeal fractures from blunt cervical trauma. Perez D, et al. **Curr Surg** 1983 Sep-Oct;40(5):347-50

Ocular and adnexal trauma. Holt JE. **Ear Nose Throat J** 1983 Jul;62(7):340-5

Complete transection of the femoral artery following closed injury: (case report). Sharma BC, et al. **East Afr Med J** 1983 Sep;60(9):653-5

The use of laparotomy in the treatment of recent diaphragmatic rupture due to blunt trauma. Niville EC, et al. **Injury** 1983 Nov;15(3):153-5

Bilateral testicular rupture. Prasad SB. **J Indian Med Assoc** 1983 Nov;81(9-10):165-7

Treatment of ruptured kidney by gluing with highly concentrated human fibrinogen. Brands W, et al. **J Pediatr Surg** 1983 Oct;18(5):611-3

Jejunal mucosal graft for biliary tract disruption following traumatic trisegmentectomy of the liver. Templeton JM Jr, et al. **J Pediatr Surg** 1983 Dec;18(6):922-6

A.A.S.T. panel: controversies in management of duodenal injuries. Freeark RJ, et al. **J Trauma** 1984 Jun;24(6):481-5

Duodenal trauma: experience of a trauma center. Levison MA, et al. **J Trauma** 1984 Jun;24(6):475-80

Major traumatic and septic genital injuries. McAninch JW, et al. **J Trauma** 1984 Apr;24(4):291-8

Management of penetrating and blunt diaphragmatic injury. Miller L, et al. **J Trauma** 1984 May;24(5):403-9

Factors affecting outcome in pancreatic trauma. Sims EH, et al. **J Trauma** 1984 Feb;24(2):125-8

Combined subclavian artery and brachial plexus injuries from blunt upper-extremity trauma. Tomaszek DE. **J Trauma** 1984 Feb;24(2):161-3

Early surgery in the management of pediatric blunt renal trauma. Jakse G, et al. **J Urol** 1984 May;131(5):920-4

Blunt trauma to the carotid artery with transient deficit and early repair. Maurer PK, et al. **Surg Neurol** 1984 Feb; 21(2):110-2

Management of tracheobronchial disruption resulting from blunt trauma. Jones WS, et al. **Surgery** 1984 Mar; 95(3):319-23

[Blunt injuries of the pancreas] Vojtíšek V. **Rozhl Chir** 1983 Nov;62(11):784-92 (Eng. Abstr.) **(Cze)**

[Closed injuries of the duodenum. Apropos of a series of 10 cases] Leborgne J, et al. **Ann Chir** 1983 May; 37(4):303-11 (Eng. Abstr.) **(Fre)**

[Isolated rupture of the common bile duct in blunt left-sided upper abdominal trauma] Remeke HW, et al. **Chirurg** 1984 May;55(5):350-1 **(Ger)**

[Blunt chest injuries] Imdahl H. **Langenbecks Arch Chir** 1983; 361:79-118 **(Ger)**

[Vascular injury problems in childhood and adolescence] Wagemann W, et al. **Z Kinderchir** 1984 Apr;39(2):121-4 (Eng. Abstr.) **(Ger)**

[Head injuries in patients with pre-existing skull defects] Sakai H, et al. **No Shinkei Geka** 1983 Oct;11(10):1093-6 (Eng. Abstr.) **(Jpn)**

[Isolated pancreatic injury during blunt abdominal injury in a child] Odinak VM. **Khirurgiia (Mosk)** 1983 Jul;(7):118

(Rus)

[Drainage of liver wounds] Shapkin VS, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):53–5 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of blunt injuries of the pancreas] Usov DV, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):44–7 (Eng. Abstr.) (Rus)

[Rehabilitation operations in traumatic injuries of the trachea and their complications] Bagirov MM. **Klin Khir** 1983 Oct;(10):24–7 (Eng. Abstr.) (Rus)

[Diagnosis and treatment of blunt liver injuries] Belyi IS, et al. **Klin Khir** 1983 Sep;(9):39–41 (Eng. Abstr.) (Rus)

[Surgical tactics in liver injuries] Nartsissov TV, et al. **Klin Khir** 1983 Sep;(9):41–3 (Eng. Abstr.) (Rus)

[Therapeutic procedure in splenic trauma in children] Stepanov EA, et al. **Klin Khir** 1984 Jun;(6):4–7 (Eng. Abstr.) (Rus)

[Therapeutic tactics in blunt chest injuries with rib fractures] Zakrevskii LK, et al. **Sov Med** 1983;(7):109–11 (Rus)

[Transhepatic drainage in subcutaneous rupture of the common bile duct] Bakhtin VA, et al. **Vestn Khir** 1983 Sep;131(9):99–100 (Rus)

[Rupture of the small intestine in patients with inguinal hernias] Kleshchevnikova VP, et al. **Vestn Khir** 1984 Jul; 132(7):63–4 (Rus)

[Treatment of nonpenetrating injuries of scrotal organs] Tsarev NI, et al. **Vestn Khir** 1983 Jul;131(7):99–101 (Eng. Abstr.) (Rus)

[Surgical treatment in severe forms of closed craniocerebral injury] Zotov IuV. **Vestn Khir** 1984 Jul;132(7):74–9 (Eng. Abstr.) (Rus)

[Sclerocyclorhaphy in stable posttraumatic ocular hypotension] Borisenko IF, et al. **Vestn Oftalmol** 1983 Jul–Aug;(4):32–3 (Eng. Abstr.) (Rus)

[Blunt injury of the pancreas] Pritulo VI. **Voen Med Zh** 1983 Jul;(7):66 (Rus)

[Surgical tactics in injuries of the cervical portion of the spine and spinal cord] Babichenko EI. **Zh Vopr Neirokhir** 1983 Sep–Oct;(5):3–8 (Eng. Abstr.) (Rus)

THERAPY

Peritoneal lavage in blunt abdominal trauma. Soballe PW. **Am Fam Physician** 1984 Mar;29(3):193–8

Chest injuries in civilian life and their treatment. Ozgen G, et al. **Chest** 1984 Jan;85(1):89–92

Blunt traumatic splenic injury. Uthoff LB, et al. **IMJ** 1983 Sep;164(3):179–81

Meshed adhesive tape for the treatment of crushed fingers in children. Duthie G, et al. **J Hand Surg [Br]** 1984 Feb; 9(1):41

The nonoperative management of pediatric hepatic trauma. Karp MP, et al. **J Pediatr Surg** 1983 Aug;18(4):512–8

Blunt and penetrating abdominal injuries (a study of 51 cases). Deodhar SD, et al. **J Postgrad Med** 1983 Apr;29(2):96–9

Massive blunt trauma and severe burns. Layton TR, et al. **Md State Med J** 1983 Jul;32(7):532–4

[Conservative treatment of blunt kidney injuries] Frohmüller H. **Helv Chir Acta** 1983 Jun;50(3):219–24 (Eng. Abstr.) (Ger)

[Report of experiences with therapy of blunt kidney injuries] Frohmüller H. **Unfallchirurgie** 1983 Oct;9(5):268–73 (Eng. Abstr.) (Ger)

[Blunt kidney injuries – operative or conservative therapy? A contribution to classification] Rassweiler J, et al. **Unfallchirurgie** 1983 Oct;9(5):274–9 (Eng. Abstr.) (Ger)

[Improvement of the efficacy of treatment of patients with nonpenetrating cornea injuries] Shif LV. **Oftalmol Zh** 1983; 38(3):144–7 (Eng. Abstr.) (Rus)

[Magnetotherapeutic correction of hemodynamic disorders in closed injuries of the extremities] Demetskii AM, et al. **Ortop Travmatol Protez** 1983 Oct;(10):5–8 (Eng. Abstr.) (Rus)

[Treatment procedure for closed injuries to the scrotum and its organs] Tagirov RF, et al. **Voen Med Zh** 1984 Jul; (7):47–8 (Rus)

VETERINARY

Lacerations of the equine eye: a review of 48 cases. Lavach JD, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1243–8

WOUNDS, PENETRATING

CLASSIFICATION

The Trauma Score as applied to penetrating trauma. Sacco WJ, et al. **Ann Emerg Med** 1984 Jun;13(6):415–8

COMPLICATIONS

Ophthalmic hazards [letter] Eiferman RA. **Am J Ophthalmol** 1984 Apr;97(4):527

Post-traumatic fungal endophthalmitis caused by Exophiala jeanselmei. Hammer ME, et al. **Ann Ophthalmol** 1983 Sep; 15(9):853–5

Nerve compression injuries due to traumatic false aneurysm. Robbs JV, et al. **Ann Surg** 1984 Jul;200(1):80–2

Aeromonas hydrophila myonecrosis and gas gangrene in a nonimmunocompromised host. Heckerling PS, et al. **Arch Intern Med** 1983 Oct;143(10):2005–7

Severe cellulitis due to Aeromonas hydrophilia following immersion injury. Winslow DL, et al. **Del Med J** 1984 Jun; 56(6):361–2

Traumatic right coronary artery—right atrial fistula. Akhras F, et al. **Eur Heart J** 1983 Nov;4(11):815–8

Traumatic pseudo-aneurysms of the brachial artery in children. Rao PL, et al. **Indian J Pediatr** 1983 Jan–Feb; 50(402):85–8

Closed and penetrating abdominal injuries in Nigerian Igbos. Nwabunike T. **Injury** 1984 May;15(6):372–5

Puncture wounds of the foot: their importance and potential for complications. Riley HD Jr. **J Okla State Med Assoc** 1984 Jan;77(1):3–6

Traumatic pseudoaneurysm of the axillary artery: report of three cases and literature review. Gallen J, et al. **J Trauma** 1984 Apr;24(4):350–4

Post-traumatic thoracobiliary fistula. Ivatury RR, et al. **J Trauma** 1984 May;24(5):438–42

Penetrating ocular injuries in young patients. Initial injuries and visual results. Sternberg P Jr, et al. **Retina** 1984 Winter–Spring;4(1):5–8

Traumatic diaphragmatic hernia. Adamthwaite DN. **Surg Annu** 1983;15:73–97 (48 ref.)

[Traumatic hemopericardium: unknown and unrecognized] Goris RJ. **Ned Tijdschr Geneeskd** 1984 May 19; 128(20):937–9 (Dut)

[A case of rectovesical injury caused by impalement] Bouchet P, et al. **Ann Chir** 1984 Feb;38(1):62–4 (Eng. Abstr.) (Fre)

[Detachment of the retina following a perforating wound of the ciliary region] Bonnet M. **Bull Mem Soc Fr Ophtalmol** 1983;95:157–62 (Fre)

[Microsurgery for retinal detachment caused by perforation of the eyeball] Bonnet M. **Bull Soc Belge Ophtalmol** 1983; 204–205:135–6 (Fre)

[Motility disorders and asthenopia following perforating eye injuries] Schäfer WD. **Fortschr Ophthalmol** 1984; 81(2):125–6 (Eng. Abstr.) (Ger)

[Pseudophakia—correction of unilateral cataract following penetrating eye injuries in children] Kern R, et al. **Klin Monatsbl Augenheilkd** 1984 May;184(5):415–8 (Eng. Abstr.) (Ger)

[Traumatic coronary arteriovenous fistula. A case report] Benchimol CB, et al. **Arq Bras Cardiol** 1983 Apr; 40(4):263–6 (Eng. Abstr.) (Por)

[Case of triple attempt at suicide] Kovachev L. **Khirurgiia (Sofiia)** 1983;36(6):567–9 (Rus)

[Prevention of posttraumatic retinal detachment using photocoagulation] Nurmamedov NN, et al. **Oftalmol Zh** 1983;(8):471–4 (Eng. Abstr.) (Rus)

[Prevention of wound infection after open injuries of the limbs by hyperbaric oxygenation] Atroshchenko ZB. **Vestn Khir** 1984 Mar;132(3):114–7 (Eng. Abstr.) (Rus)

[Partial rupture of the main bronchus in open chest trauma] Babadzhanov BR, et al. **Vestn Khir** 1983 Dec;131(12):65 (Rus)

[Prevention of purulent infection in penetrating eye injuries using drug implants] Maichuk IuF, et al. **Voen Med Zh** 1983 Dec;(12):57 (Rus)

DIAGNOSIS

Evaluation of experimental blunt and penetrating hepatobiliary trauma by sequential peritoneal lavage. Burney RE, et al. **Ann Emerg Med** 1983 May;12(5):279–84

Selective management of penetrating neck injuries. A prospective study. Narrod JA, et al. **Arch Surg** 1984 May; 119(5):574–8

Inaccuracy of diagnostic peritoneal lavage in penetrating colonic trauma. Obeid FN, et al. **Arch Surg** 1984 Aug; 119(8):906–8

Diagnostic criteria for peritoneal lavage in penetrating trauma. Griffin JB, et al. **Curr Surg** 1983 Sep–Oct; 40(5):351–3

Traumatic esophageal injuries: 12-year experience at Henry Ford Hospital. Yap RG, et al. **J Trauma** 1984 Jul; 24(7):623–5

Peritoneal lavage white cell counts [letter] **JAMA** 1983 Dec 23–30;250(24):3282

Protein electrophoresis of diagnostic peritoneal lavage in penetrating bowel injuries. Bar-Or D, et al. **JAMA** 1983 Dec 16;250(23):3199–200

Vietnam head injury study. Preliminary analysis of the functional and anatomical sequelae of penetrating head trauma. Sweeney JK, et al. **Phys Ther** 1983 Dec; 63(12):2018–25

Penetrating injuries of the larynx. Thompson JN, et al. **South Med J** 1984 Jan;77(1):41–5

[Lens injuries and endophthalmitis] Gračner B, et al. **Fortschr Ophthalmol** 1984;81(1):62–3 (Eng. Abstr.) (Ger)

[Capacity for activity in penetrating and blunt abdominal injuries] Saternus KS, et al. **Z Rechtsmed** 1983;91(2):101–14 (Eng. Abstr.) (Ger)

[Diagnosis and choice of surgical treatment method in duodenal injuries] Kochnev OS, et al. **Khirurgiia (Mosk)** 1984 Mar;(3):41–5 (Eng. Abstr.) (Rus)

[Esophageal injuries] Gredzhev AF, et al. **Klin Khir** 1983 Oct;(10):21–4 (Eng. Abstr.) (Rus)

[Closed and open abdominal injuries] Mamedov IM, et al. **Klin Khir** 1984 Jun;(6):61–2 (Rus)

[Diagnosis and treatment of osteo-vascular injuries of the extremities] Zakharova GN, et al. **Klin Khir** 1983 Jul; (7):27–30 (Eng. Abstr.) (Rus)

[Diagnosis and results of treatment of patients with liver injuries] Zinevich VP, et al. **Klin Med (Mosk)** 1984 May; 62(5):71–3 (Rus)

[Role of complex electrophysiologic studies in posttraumatic subatrophy of the eye] Verigo EN, et al. **Oftalmol Zh** 1984; (2):76–9 (Eng. Abstr.) (Rus)

[Diaphragmatic injuries] Avilova OM, et al. **Vestn Khir** 1983 Jul;131(7):89–93 (Eng. Abstr.) (Rus)

[Laparoscopy in penetrating thoraco-abdominal wounds] Buianov VM, et al. **Vestn Khir** 1984 Jun;132(6):65–7 (Eng. Abstr.) (Rus)

[Injuries and wounds of the large intestine] Petrov VP, et al. **Voen Med Zh** 1984 Feb;(2):21–3 (Rus)

ETIOLOGY

Bilateral eye injuries from motor vehicle trauma. Flaherty M, et al. **Aust NZ J Surg** 1983 Dec;53(6):567–72

Ocular injuries from carbonated soft drink bottle explosions. Al Salem M, et al. **Br J Ophthalmol** 1984 Apr;68(4):281–3

Penetrating anorectal injury. An unrecognized hazard for surgeons. Dennison AR, et al. **Dis Colon Rectum** 1984 Sep; 27(9):624–5

A penetrating wound of bone resulting from a firework. Garden OJ, et al. **Injury** 1983 Nov;15(3):167–9

Industrial nail gun injuries. Lyons FR. **Med J Aust** 1983 Nov 12;2(10):483–7

Peacetime automatic weapon-related eye injuries: case reports. Tarabishy R. **Milit Med** 1983 Nov;148(11):874–7

Case report: retropharyngeal perforation, a complication of nasotracheal intubation. Chait DH, et al. **Nebr Med J** 1984 Mar;69(3):68–9

Retroperitoneal perforation during duodenoscopic sphincterotomy. Byrne P, et al. **Radiology** 1984 Feb; 150(2):383–4

Right atrium perforation by a pleural drain. Report of a case with survival. Casillas JA, et al. **Thorac Cardiovasc Surg** 1983 Aug;31(4):247–8

[A rare form of open spinal cord injury] Eggert HR, et al. **Aktuel Traumatol** 1984 Feb;14(1):23–6 (Eng. Abstr.) (Ger)

[Injuries caused by accidents with chain saws] Bonte W, et al. **Z Rechtsmed** 1984;92(3):215–23 (Eng. Abstr.) (Ger)

[Injuries of surgeons during conduction of local anesthesia] Sozonik VP, et al. **Vestn Khir** 1984 Jan;132(1):140–1 (Rus)

[Ureteral injuries. Apropos of 2 cases] Martín Benito JL, et al. **Arch Esp Urol** 1983 Nov–Dec;36(6):427–32 (Eng. Abstr.) (Spa)

IMMUNOLOGY

[Humoral immunologic reaction after trauma of various severities] Aleksandrov VN. **Patol Fiziol Eksp Ter** 1983 Jul–Aug;(4):70–3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Bacterial flora of marine penetrating injuries. Pien FD, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):229–32

Wound botulism associated with a positive tensilon test. Edell TA, et al. **West J Med** 1983 Aug;139(2):218–9

MORTALITY

Determinants of survival after vena caval injury. Analysis of a 14-year experience. Kudsk KA, et al. **Arch Surg** 1984 Sep;119(9):1009–12

Mortality following penetrating craniocerebral injuries. An analysis of the deaths in the Vietnam Head Injury Registry population. Rish BL, et al. **J Neurosurg** 1983 Nov; 59(5):775–80

Penetrating cardiac trauma. Marshall WG Jr, et al. **J Trauma** 1984 Feb;24(2):147–9

OCCURRENCE

Perforating eye injury in the Stockholm population. An epidemiological study. Blomdahl S, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):378–90

Underreporting of needlestick injuries in a university hospital. Hamory BH. **Am J Infect Control** 1983 Oct;11(5):174–7

[Perforating wounds of the eyeball caused by automobile accidents] Kara José N, et al. **Bol Of Sanit Panam** 1983 Dec;95(6):547–55 (Eng. Abstr.) (Spa)

PATHOLOGY

Experimental penetrating head injury: some aspects of light microscopical and ultrastructural abnormalities. Allen IV, et al. **Acta Neurochir [Suppl] (Wien)** 1983;32:99–104

Morphologic evaluation of vitreous collagen after penetrating ocular injury. Ussmann JH, et al. **Curr Eye Res** 1984 Mar; 3(3):395–401

[Clinico-histologic picture following lens injuries] Daus W, et al. **Fortschr Ophthalmol** 1984;81(1):54–8 (Eng. Abstr.) (Ger)

[Post-traumatic iris prolapse and its significance for intraocular epithelial growth] Riedel K, et al. **Fortschr Ophthalmol** 1984;81(1):46–9 (Eng. Abstr.) (Ger)

[Suicide by cutting the radial artery of the wrist. Report of 2 cases] Sigrist T, et al. **Z Rechtsmed** 1983;91(2):159–64 (Eng. Abstr.) (Ger)

[Upon the characteristic property of the chop-wounds] Makizumi S, et al. **Fukuoka Igaku Zasshi** 1984 Mar; 75(3):149–69 (Eng. Abstr.) (Jpn)

[Case of penetrating multiple organ injury by a stake through the rectum with a peculiar clinical course] Temelkov T, et al. **Khirurgiia (Sofiia)** 1983;36(2):172–4 (Rus)

PHYSIOPATHOLOGY

The effects of the stimulation of histamine-forming capacity (HFC) and the inhibition of histamine catabolism on tensile strength and collagen content of skin wounds in the rats. Dąbrowski R, et al. **Acta Physiol Pol** 1983 Jan-Feb; 34(1):91-7

[Experimental wound healing. New results on wound granulation tissue and epidermal reparation (3H-thymidine autoradiography)] Schmiegelow P, et al. **Med Welt** 1983 Dec 30;34(51-52):1458-62 **(Ger)**

[Role of lymphocyte-fibroblast contacts in wound healing] Vaganov FV. **Arkh Patol** 1984;46(6):47-52 (Eng. Abstr.) **(Rus)**

[Function of the hemostatic system in craniocerebral injury in children] Tabakina TE, et al. **Gematol Transfuziol** 1983 Dec;28(12):29-32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Neuro-anatomical feature photo. Penetrating skull injury. Baker RS, et al. **J Clin Neuro Ophthalmol** 1984 Jun;4(2):143

The correlation between surgical and CT estimates of brain damage following missile wounds. Carey ME, et al. **J Neurosurg** 1984 May;60(5):947-54

Computed tomography in penetrating cranial injury by a wooden foreign body. Jooma R, et al. **Surg Neurol** 1984 Mar;21(3):236-8

Penetrating pelvic injury sparing urinary tract. Ware S. **Urology** 1984 Aug;24(2):180-1

RADIONUCLIDE IMAGING

Strategy for the use of biliary scintigraphy in non-iatrogenic biliary trauma. Zeman RK, et al. **Radiology** 1984 Jun; 151(3):771-7

RADIOTHERAPY

Concerning the article 'X-irradiation in the prevention of experimental post-traumatic vitreous proliferation' by M. Belkin, I. Avni, E. Kessler, A. Hercberg, A. Spierer and G. Treister; Current Eye Research 2:753-756, 1982/1983 [letter] Ophir A. **Curr Eye Res** 1984 Jul;3(7):975-6

SURGERY

Operative management of penetrating wounds of the chest. Experience with 41 patients on the island of Curaçao. Van Nooten G, et al. **Acta Chir Belg** 1984 Mar-Apr;84(2):57-60

Management of penetrating hepatic injury. A review of 102 consecutive patients. Bluett MK, et al. **Am Surg** 1984 Mar; 50(3):132-42

Penetrating injuries to the neck. Selective management. Dunbar LL, et al. **Am Surg** 1984 Apr;50(4):198-204

Penetrating carotid arterial trauma. Padberg FT Jr, et al. **Am Surg** 1984 May;50(5):277-82

Recall of surgery for major trauma. Bogetz MS, et al. **Anesthesiology** 1984 Jul;61(1):6-9

One stage random pattern de-epithelialized 'turn over' flap in the treatment of complicated wounds of the leg. Thatte RL. **Ann Acad Med Singapore** 1983 Apr;12(2 Suppl):441-5

Argon laser photocoagulation for posteriorly located perforating injuries. Gdal-On M, et al. **Ann Ophthalmol** 1984 Jun;16(6):557, 559

Penetrating heart wounds: difficulty in evaluating clinical series [editorial] Trinkle JK. **Ann Thorac Surg** 1984 Sep; 38(3):181-2

Evaluation of vitrectomy in penetrating ocular trauma. A case-control study. de Juan E Jr, et al. **Arch Ophthalmol** 1984 Aug;102(8):1160-3

Risk of infection following laparotomy for penetrating abdominal injury. Dellinger EP, et al. **Arch Surg** 1984 Jan; 119(1):20-7

Emergency thoracotomies for penetrating trauma. Washington B, et al. **Curr Surg** 1984 Jan-Feb;41(1):14-7

Ocular and adnexal trauma. Holt JE. **Ear Nose Throat J** 1983 Jul;62(7):340-5

Visual prognosis of eye penetrating injuries in childhood. Angi MR, et al. **Fortschr Ophthalmol** 1984;81(2):117-8

The management of acute craniocerebral injuries caused by missiles: analysis of 110 consecutive penetrating wounds of the brain from Basrah. Ameen AA. **Injury** 1984 Sep; 16(2):88-90

Al-Rasheed Military Hospital external fixation system for compound missile wounds of bone. Habboushe MP. **Injury** 1984 May;15(6):388-9

The management of missile injuries. Shouler PJ. **J R Nav Med Serv** 1983 Summer;69(2):80-4

Massive chest trauma due to impalement. Robicsek F, et al. **J Thorac Cardiovasc Surg** 1984 Apr;[illegible] 534-6

Penetrating colon trauma. Adkins RB Jr, et al. **J Trauma** 1984 Jun;24(6):491-9

Traumatic partial parotidectomy. Al-Fallouji MA. **J Trauma** 1984 May;24(5):446-7

A.A.S.T. panel: conferences in management of duodenal injuries. Freeark RJ, et al. **J Trauma** 1984 Jun;24(6):481-5

Duodenal trauma: experience of a trauma center. Levison MA, et al. **J Trauma** 1984 Jun;24(6):475-80

Major traumatic and septic genital injuries. McAninch JW, et al. **J Trauma** 1984 Apr;24(4):291-8

Management of penetrating and blunt diaphragmatic injury. Miller L, et al. **J Trauma** 1984 May;24(5):403-9

Aggressive definitive management of penetrating colon injuries: 136 cases with 3.7 per cent mortality. Nallathambi MN, et al. **J Trauma** 1984 Jun;24(6):500-5

Factors affecting outcome in pancreatic trauma. Sims EH, et al. **J Trauma** 1984 Feb;24(2):125-8

Penetrating cardiac injuries [editorial] **Lancet** 1984 May 5; 1(8384):999-1000

Air sinus wounds: an analysis of 163 consecutive cases incurred in the Korean War, 1950-1952. Arendall RE, et al. **Neurosurgery** 1983 Oct;13(4):377-80

Penetrating ocular injury caused by nylon cord fragment from electric lawn trimmer. Barr CC, et al. **Ophthalmic Surg** 1983 Sep;14(9):741-3

Penetrating ocular injuries. Types of injuries and visual results. De Juan E Jr, et al. **Ophthalmology** 1983 Nov; 90(11):1318-22

An unusual craniofacial injury. A case report. Janeke JB. **S Afr Med J** 1984 Aug 4;66(5):190

Trauma: timing of repair. Coleman DJ. **Trans New Orleans Acad Ophthalmol** 1983;:372-7

Early treatment of trauma. Coleman DJ. **Trans New Orleans Acad Ophthalmol** 1983;:177-91

Penetrating ocular trauma and pars plana vitrectomy. Ryan SJ. **Trans New Orleans Acad Ophthalmol** 1983;:129-36

Fence post impalement injury of the chest with air embolus: case report. Kron IL, et al. **Va Med** 1983 Nov;110(11):666-8

[Surgical treatment of skin defects as a result of mechanical trauma] Chervenkov I, et al. **Khirurgiia (Sofiia)** 1983; 36(4):342-6 (Eng. Abstr.) **(Bul)**

[Reconstructive surgery on traumatically injured blood vessels with report of 2 cases] Mekhmedov Kh. **Khirurgiia (Sofiia)** 1983;36(4):369-72 **(Bul)**

[Serious injury of the thorax with a circular saw] Rosipal A, et al. **Rozhl Chir** 1983 Sep;62(8-9):628-31 (Eng. Abstr.) **(Cze)**

[Penetrating wounds of the neck. Apropos of 4 cases] Diop EM, et al. **Ann Otolaryngol Chir Cervicofac** 1983; 100(7):513-8 (Eng. Abstr.) **(Fre)**

[Penetrating wounds of the neck; apropos of 4 cases] Diop EM, et al. **Dakar Med** 1983;28(3):453-62 (Eng. Abstr.) **(Fre)**

[Problems of lens injuries] Böke W, et al. **Fortschr Ophthalmol** 1984;81(1):29-31 (Eng. Abstr.) **(Ger)**

[Existing results in the treatment of injuries of the lens capsule] Buschmann W, et al. **Fortschr Ophthalmol** 1984; 81(1):59-61 (Eng. Abstr.) **(Ger)**

[Perforating injury with iris prolapse--a contribution to the question of resection or reposition] Härting F, et al. **Fortschr Ophthalmol** 1984;81(1):40-2 (Eng. Abstr.) **(Ger)**

[Prevention of detachment in the therapy of perforating injuries] Kroll P, et al. **Fortschr Ophthalmol** 1984; 81(1):105-8 (Eng. Abstr.) **(Ger)**

[Timing and extent of primary care in eye perforations] Neubauer H. **Fortschr Ophthalmol** 1984;81(1):15-20 (Eng. Abstr.) **(Ger)**

[Has the prognosis of perforating injuries improved as a result of vitrectomy?] Röver J, et al. **Fortschr Ophthalmol** 1984; 81(1):50-3 (Eng. Abstr.) **(Ger)**

[Iris prolapse: excision or reposition? On the intraoperative prevention of epithelial implantation] Stefani FH. **Fortschr Ophthalmol** 1984;81(1):43-5 (Eng. Abstr.) **(Ger)**

[Operation technic and after care in lens injuries] Buschmann W. **Klin Monatsbl Augenheilkd** 1983 Oct;183(4):241-5 (Eng. Abstr.) **(Ger)**

[Vascular injury problems in childhood and adolescence] Wagemann W, et al. **Z Kinderchir** 1984 Apr;39(2):121-4 (Eng. Abstr.) **(Ger)**

[Morphological and functional studies of the lacerated sciatic nerve in rats after using various suture technics] Krysiak H, et al. **Neurol Neurochir Pol** 1983 May-Jun;17(3):353-9 (Eng. Abstr.) **(Pol)**

[Sutures for liver wounds] Milonov OB, et al. **Khirurgiia (Mosk)** 1984 Apr;(4):127-9 **(Rus)**

[Errors in the primary surgical treatment of wounds of the face] Neupokoev NI. **Khirurgiia (Mosk)** 1984 Jan;(1):116-7 **(Rus)**

[Rehabilitation operations in traumatic injuries of the trachea and their complications] Bagirov MM. **Klin Khir** 1983 Oct; (10):24-7 (Eng. Abstr.) **(Rus)**

[Surgical tactics in liver injuries] Nartsissov TV, et al. **Klin Khir** 1983 Sep;(9):41-3 (Eng. Abstr.) **(Rus)**

[Surgical debridement of peace-time wounds] Chaplinskii VV, et al. **Ortop Travmatol Protez** 1984 Feb;(2):64-6 **(Rus)**

[Dermatoplasty in open wounds of the hand] Okhotskii VP, et al. **Sov Med** 1984;(1):77-80 (50 ref.) **(Rus)**

[Surgical tactics in injuries of the major cervical blood vessels] Avgust VK, et al. **Vestn Khir** 1984 Jan;132(1):81-5 (Eng. Abstr.) **(Rus)**

[Penetrating abdominal wound caused by a board with multiple organ injuries in a child] Khamdamov KhKh, et al. **Vestn Khir** 1983 Dec;131(12):81-2 **(Rus)**

[Surgical treatment of blood vessel injuries in a trauma center] Kirichenko MN, et al. **Vestn Khir** 1983 Oct; 131(10):88-91 (Eng. Abstr.) **(Rus)**

[Multiple injuries of the lower extremities with injury to the popliteal arteries] Nikonenko AS, et al. **Vestn Khir** 1984 Feb;132(2):68-9 **(Rus)**

[Keratotomy with sectoral keratoplasty as a means of treating cicatricial deformation and subatrophy of the anterior portion of the eye] Gundorova RA, et al. **Vestn Oftalmol** 1983 Sep-Oct;(5):50-2 (Eng. Abstr.) **(Rus)**

[Primary combined brephoplasty in penetrating wounds of the sclera] Zaĭkova MV, et al. **Vestn Oftalmol** 1983 Jul-Aug;(4):35-8 (Eng. Abstr.) **(Rus)**

[Use of laser therapy in patients with trophic ulcers and long-unhealed wounds during preparation for prosthesis] Klimovskaia MP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1983 Nov-Dec; (6):29-32 (Eng. Abstr.) **(Rus)**

[Epineural suture of the median and ulnar nerves in children] Goven'ko FS. **Zh Vopr Neirokhir** 1984 Mar-Apr;(2):35-8 (Eng. Abstr.) **(Rus)**

THERAPY

Senile avulsion flaps: a simple, inexpensive method of treatment. Beale GL Sr. **Ala Med** 1984 May;53(11):26-7

Operation or observation for penetrating neck wounds? A retrospective analysis. Metzdorff MT, et al. **Am J Surg** 1984 May;147(5):646-9

An unusual injury in a most unusual situation: conservative management of retained intracranial foreign body. Henley M, et al. **Ann R Coll Surg Engl** 1984 May;66(3):204-6

Two hundred glass injuries. Bell D. **Arch Dis Child** 1984 Jul;59(7):672-3

Chest injuries in civilian life and their treatment. Ozgen G, et al. **Chest** 1984 Jan;85(1):89-92

Puncture wounds. Edlich RF, et al. **Compr Ther** 1984 Jun; 10(6):41-8

Penetrating neck trauma. Newman RK. **Ear Nose Throat J** 1983 Aug;62(8):403-8

Blunt and penetrating abdominal injuries (a study of 51 cases). Deodhar SD, et al. **J Postgrad Med** 1983 Apr;29(2):96-9

Outcome of resuscitative thoracotomy and descending aortic occlusion performed in the operating room. Millikan JS, et al. **J Trauma** 1984 May;24(5):387-92

[Treatment of lamellar or perforating injuries of the cornea by contact lenses] Hick G, et al. **Fortschr Ophthalmol** 1984; 81(1):32-4 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the healing process of splenic lesions repaired with cyanoacrylate or with microsurgical sutures. Experimental research] Di Tondo U, et al. **Ann Ital Chir** 1983;55(2):179-94 (Eng. Abstr.) **(Ita)**

[Combined treatment of patients with injuries of major vessels] Ukhod VM, et al. **Klin Khir** 1983 Jul;(7):68 **(Rus)**

[Hyperbaric oxygenation in traumatic tissue edema] Atroshchenko ZB, et al. **Sov Med** 1983;(9):59-61 (Eng. Abstr.) **(Rus)**

[Effect of interference current and low-frequency magnetic field on tissue regeneration] Nikolova L, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 May-Jun; (3):19-23 (Eng. Abstr.) **(Rus)**

VETERINARY

Horse attacked by pit bull [letter] Bernard-Strother S, et al. **J Am Vet Med Assoc** 1984 Jan 15;184(2):132

Lacerations of the equine eye: a review of 48 cases. Lavach JD, et al. **J Am Vet Med Assoc** 1984 May 15;184(10):1243-8

WOUNDS, STAB

Tool mark determination in cartilage of stabbing victim. Rao VJ, et al. **J Forensic Sci** 1983 Jul;28(3):794-9

Penetrating cardiac injuries [letter] Moar JJ. **S Afr Med J** 1983 Dec 3;64(24):928

[An isolated wound of the gallbladder in thoraco-abdominal injury] Sokolov PN, et al. **Vestn Khir** 1983 Sep;131(9):100-1 **(Rus)**

[Penetrating wounds of the abdomen with injuries of the small intestine, common iliac artery and inferior vena cava] Zherlov GK, et al. **Vestn Khir** 1983 Nov;131(11):99-100 **(Rus)**

COMPLICATIONS

Thoracic stab wound with delayed pneumoperitoneum and pneumomediastinum. Sklar DP, et al. **Ann Emerg Med** 1984 May;13(5):371-3

Penetrating neck trauma with tracheal and oesophageal injuries. Shama DM, et al. **Br J Surg** 1984 Jul;71(7):534-6

The potential value of the sedimentation rate in monitoring treatment outcome in puncture-wound-related Pseudomonas osteomyelitis. Crosby LA, et al. **Clin Orthop** 1984 Sep;(188):168-72

Supraglottic obstruction. Cawood JI, et al. **Injury** 1984 Jan; 15(4):277-9

Penetrating injury of the spinal cord. Gentleman D, et al. **Injury** 1984 Jul;16(1):7-8

Post-traumatic intrahepatic arteriovenous fistula. Van Haeften FF, et al. **Injury** 1984 Mar;15(5):311-5

Lumbar artery pseudoaneurysm: CT demonstration. Hulnick DH, et al. **J Comput Assist Tomogr** 1984 Jun;8(3):570-2

Vascular lesions due to transcranial stab wounds. Kieck CF, et al. **J Neurosurg** 1984 Jan;60(1):42-6

Fatal air embolism following penetrating lung trauma: an autopsy study. King MW, et al. **J Trauma** 1984 Aug; 24(8):753-5

Cardiac tamponade due to stab wound. Voznıouk B, et al. **Med J Zambia** 1982;16(4):86

Delayed pneumoperitoneum following traumatic haemopneumothorax. A case report. Schein M, et al. **S Afr Med J** 1984 May 19;65(20):819-20

Posttraumatic vertebral artery aneurysm and arteriovenous

fistula: a case report. Roper PR, et al. **Surgery** 1984 Sep; 96(3):556–9
Traumatic arteriovenous fistula—a case report. Tovar JA, et al. **Z Kinderchir** 1984 Jun;39(3):211–2
[Diagnosis and treatment of late complications of heart injuries] Astaf'ev VI, et al. **Grudn Khir** 1983 Sep–Oct; (5):86–7 **(Rus)**
[Case of prolapse of the greater omentum through the wound canal of the second inter costal space on the right side] Gavrilenko AI, et al. **Grudn Khir** 1983 Sep–Oct;(5):92–3 **(Rus)**
[Open bilateral chest injuries associated with necrosis of the small intestine] Sokolov PN, et al. **Khirurgiia (Mosk)** 1984 Jan;(1):143–4 **(Rus)**
[Combined injuries of the inferior vena cava, thoracic duct and stomach] Zhenetl' ZD, et al. **Sov Med** 1983;(8):115–6 **(Rus)**
[Penetrating knife wound of the abdomen complicated by putrefactive infection of the anterior abdominal wall] Luk'ianov LM, et al. **Vestn Khir** 1984 Jul;132(7):81 **(Rus)**
[Penetrating knife wound of the aorta associated with small-intestinal injury and traumatic eventration of the intestine] Ukhanov AP. **Vestn Khir** 1984 May;132(5):82–3 **(Rus)**
[Post-traumatic nodular scleroderma] Bonino MV, et al. **Med Cutan Iber Lat Am** 1983;11(5):329–32 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Penetrating cardiac injury evaluated by two-dimensional echocardiography. Choo MH, et al. **Am Heart J** 1984 Aug; 108(2):417–20
Surgical judgment in the management of abdominal stab wounds. Utilizing clinical criteria from a 10-year experience. Lee WC, et al. **Ann Surg** 1984 May; 199(5):549–54
Peritoneal lavage. Reliability of RBC count in patients with stab wounds to the chest. Thal ER. **Arch Surg** 1984 May; 119(5):579–84
Omental evisceration through an abdominal stab wound: is exploratory laparotomy mandatory? Medina M, et al. **Can J Surg** 1984 Jul;27(4):399–401

ETIOLOGY

The innocent bystander: the child as unintended victim of domestic violence involving deadly weapons. Nelson KG. **Pediatrics** 1984 Feb;73(2):251–2

MICROBIOLOGY

Butcher's knife wounds, are they really so contaminated? de Boer A, et al. **Hand** 1983 Oct;15(3):335–40

OCCURRENCE

Penetrating stab injuries of the chest and abdomen. Lambrianides AL, et al. **Injury** 1984 Mar;15(5):300–3
Penetrating cardiac injuries. Joshi P, et al. **S Afr Med J** 1983 Oct 8;64(16):618–20

PATHOLOGY

Homicidal penetrating incised wounds of the thorax. An autopsy study of 52 cases. Moar JJ. **S Afr Med J** 1984 Mar 10;65(10):385–9
Dual penetrating incised wounds of the thorax [letter] Moar JJ. **S Afr Med J** 1984 Jun 16;65(24):948–9
[Histopathologic findings in fresh myocardial injuries. Contribution to vital reactions] Haarhoff K. **Z Rechtsmed** 1984;92(2):137–43 (Eng. Abstr.) **(Ger)**
[Perforating wounds of the abdominal aorta] Ermolaev VL. **Khirurgiia (Mosk)** 1984 May;(5):129–30 **(Rus)**
[Penetrating wounds of the heart] Kakoishvili GA, et al. **Khirurgiia (Mosk)** 1984 May;(5):127 **(Rus)**
[Injury of the internal iliac artery and vein via the sciatic foramen] Raĭchuk IE, et al. **Khirurgiia (Mosk)** 1984 May; (5):132 **(Rus)**
[Knife wound of the arch of the aorta] Tret'iakov AM. **Khirurgiia (Mosk)** 1984 May;(5):127–8 **(Rus)**
[Combined injuries of the liver, duodenum and inferior vena cava] Kleshchevnikova VP, et al. **Klin Khir** 1984 Apr;(4):48 **(Rus)**
[Spontaneous restoration of the patency of the parotid duct after its complete rupture due to a suppurative wound] Kolesnik GA. **Stomatologiia (Mosk)** 1983 Sep–Oct; 62(5):78–9 **(Rus)**
[Multiple penetrating wounds of the heart] Rusin NI, et al. **Vestn Khir** 1983 Aug;131(8):67 **(Rus)**

PHYSIOPATHOLOGY

Echographic diagnosis of traumatic ventricular septal defect. Goldberg SE, et al. **Am Heart J** 1984 Aug;108(2):416–7

RADIOGRAPHY

Re: Stab wounds associated with hematuria—a review of 67 cases [letter] Hyams BB. **J Urol** 1984 May;131(5):985

RADIONUCLIDE IMAGING

Postoperative evaluation of penetrating hepatic trauma and complications. Lecklitner ML, et al. **J Nucl Med** 1984 Sep; 25(9):982–3

SURGERY

Common carotid artery—internal jugular vein aneurysms and fistula with cerebrovascular signs. A case report. Kurti X, et al. **Acta Neurochir (Wien)** 1984;71(1–2):109–11
Evaluation of antibiotic therapy and surgical techniques in cases of homicidal wounds of the colon. Mandal AK, et al. **Am Surg** 1984 May;50(5):254–7
Benign sequelae of a transorbital stab wound: an unusual case report. Hickman DM. **Ann Plast Surg** 1984 Mar; 12(3):279–83
Stab wounds of the anterior abdomen. Analysis of a management plan using local wound exploration and quantitative peritoneal lavage. Oreskovich MR, et al. **Ann Surg** 1983 Oct;198(4):411–9
Management of penetrating cardiac injuries: the role of emergency room thoracotomy. Tavares S, et al. **Ann Thorac Surg** 1984 Sep;38(3):183–7
Selective conservative management of penetrating abdominal wounds: a prospective study. Demetriades D, et al. **Br J Surg** 1984 Feb;71(2):92–4
Cardiac penetrating injuries: personal experience of 45 cases. Demetriades D. **Br J Surg** 1984 Feb;71(2):95–7
Penetrating trans-sinus injury. Lewis WJ. **Ear Nose Throat J** 1984 Mar;63(3):167–9
Stab wounds in children. Barlow B, et al. **J Pediatr Surg** 1983 Dec;18(6):926–9
Penetrating injuries of the heart: experience over two years in South Africa. Demetriades D, et al. **J Trauma** 1983 Dec; 23(12):1034–41
Penetrating injury of the tuberculum sellae. Nath FP, et al. **Neurosurgery** 1984 May;14(5):598–600
Unusual penetrating injury of face and neck [letter] Cucin RL. **NY State J Med** 1983 Jul–Sep;83(8–10):1038
Are brachial artery injuries significant? Meek AC, et al. **S Afr J Surg** 1983 Dec;21(4):227–33
Segmental artery occlusion for sequential renal injuries. A case report. Angorn IB, et al. **S Afr Med J** 1983 Dec 10; 64(25):995–6
[3 cases of successful surgical treatment of penetrating-cutting wounds of the heart] Chetrafilov D, et al. **Khirurgiia (Sofiia)** 1984;37(1):51–4 **(Bul)**
[Acute lobectomy after a stab injury of the lungs] Dvořák J, et al. **Rozhl Chir** 1983 Dec;62(12):822–5 (Eng. Abstr.) **(Cze)**
[Stab wounds of the thoracic spinal cord] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(4):311–4 (Eng. Abstr.) **(Pol)**
[Drainage of liver wounds] Shapkin VS, et al. **Khirurgiia (Mosk)** 1983 Jul;(7):53–5 (Eng. Abstr.) **(Rus)**
[Stab wounds of the liver and injuries of the extrahepatic bile ducts and vessels and specific features of their surgical treatment] Kiprenskiĭ IuV, et al. **Vestn Khir** 1983 Sep; 131(9):86–9 (Eng. Abstr.) **(Rus)**
[Stab wounds of the inferior vena cava, right hepatic vein, liver, stomach, pancreas and small and large intestines] Markelov SI, et al. **Vestn Khir** 1984 Jan;132(1):92–3 **(Rus)**
[Isolated portal vein injury] Rezbaev AN, et al. **Vestn Khir** 1984 Mar;132(3):120 **(Rus)**
[Temporary prosthesis in injuries of the major arteries of the lower limbs] Sudarchikov IuI, et al. **Vestn Khir** 1983 Sep; 131(9):101 **(Rus)**
[Use of cyanoacrylate glue MK-6 in the treatment of injuries of the esophagus] Zhupan VF, et al. **Vestn Khir** 1983 Nov; 131(11):93–5 (Eng. Abstr.) **(Rus)**

THERAPY

[Appropriate management of penetrating thoracic stab injuries] Jaschke W. **Aktuel Traumatol** 1984 Jun;14(3):93–6 (Eng. Abstr.) **(Ger)**
[Primary care of penetrating thoracic stab injuries] Schwarz N. **Unfallheilkunde** 1984 Jun;87(6):247–50 (Eng. Abstr.) **(Ger)**

WR 2721 see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

WRESTLING see under **SPORTS**

WRIST

Ganglion cysts and tear of triangular fibrocartilages of both wrists in a cheerleader. Tehranzadeh J, et al. **Am J Sports Med** 1983 Sep–Oct;11(5):357–9
Wrist driven flexor hinge orthosis: linkage design improvements. Stenehjem J, et al. **Arch Phys Med Rehabil** 1983 Nov;64(11):566–8
Irritative neuritis of the dorsal sensory branch of the ulnar nerve from underlying ganglion. Lucas GL. **Clin Orthop** 1984 Jun;(186):216–9
The wrist. Fisk GR. **J Bone Joint Surg [Br]** 1984 May; 66(3):396–407 (60 ref.)
Rotatory subluxation of the scaphoid after excision of dorsal carpal ganglion and wrist manipulation—a case report. Crawford GP, et al. **J Hand Surg** 1983 Nov;8(6):921–5
Glomus tumors of the wrist. Joseph FR, et al. **J Hand Surg** 1983 Nov;8(6):918–20
Extension contracture of the wrist: a case report. Kavanagh BF, et al. **J Hand Surg** 1983 Nov;8(6):946–9
Dorsal wrist synovectomy in rheumatoid arthritis—a long-term study. Thirupathi RG, et al. **J Hand Surg** 1983 Nov;8(6):848–56
The dangers of sclerotherapy in the treatment of ganglia. Mackie IG, et al. **J Hand Surg [Br]** 1984 Jun;9(2):181–4
Compression of the palmar cutaneous nerve by ganglions of the wrist. Gessini L, et al. **J Neurosurg Sci** 1983 Oct–Dec;27(4):241–3
Bursitis and tendinitis in the hand, wrist, and elbow. An approach to treatment. Cooney WP 3d. **Minn Med** 1983 Aug;66(8):491–4
Symposium on the wrist. **Orthop Clin North Am** 1984 Apr; 15(2):181–398
The abductor digiti minimi muscle flap: a salvage technique for palmar wrist pain. Reisman NR, et al. **Plast Reconstr Surg** 1983 Dec;72(6):859–65
Carpal tunnel syndrome due to a calcareous mass in the carpal tunnel. De SD. **Singapore Med J** 1983 Jun; 24(3):175–7

ANATOMY & HISTOLOGY

The osseous structure of the carpal groove. Takechi H, et al. **Anat Clin** 1983;5(3):153–7
Wrist dimensions: correlation with median sensory latencies. Johnson EW, et al. **Arch Phys Med Rehabil** 1983 Nov; 64(11):556–7
Instability patterns of the wrist. Linscheid RL, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):682–6
The extensor retinaculum of the wrist. Taleisnik J, et al. **J Hand Surg [Am]** 1984 Jul;9(4):495–501
Carpal tunnel pressures and wrist position in patients with colles' fractures. Gelberman RH, et al. **J Trauma** 1984 Aug; 24(8):747–9

BLOOD SUPPLY

Percutaneous arterial cannulation in children. Concurrent and subsequent adequacy of blood flow at the wrist. Marshall AG, et al. **Anaesthesia** 1984 Jan;39(1):27–31
Inadvertent intraradial arterial injection of cocaine. Klabacha ME, et al. **Ann Plast Surg** 1984 Jul;13(1):60–2
Early vascular grafting to prevent upper extremity necrosis after electrical burns: II. Experience with wound infection management. Wang XW, et al. **Burns Incl Therm Inj** 1984 Feb;10(3):179–83
[Suicide by cutting the radial artery of the wrist. Report of 2 cases] Sigrist T, et al. **Z Rechtsmed** 1983;91(2):159–64 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Tuberculosis of the hand and wrist. Bush DC, et al. **J Hand Surg [Am]** 1984 May;9(3):391–8
Extraosseous chondrosarcoma of the wrist: a case report. Stackhouse TG, et al. **J Hand Surg [Am]** 1984 May; 9(3):338–42
Some histological changes in carpal tunnel contents and their biomechanical implications. Armstrong TJ, et al. **J Occup Med** 1984 Mar;26(3):197–201

PHYSIOLOGY

The load on the radius and ulna in different positions of the wrist and forearm. A cadaver study. Ekenstam FW af, et al. **Acta Orthop Scand** 1984 Jun;55(3):363–5

PHYSIOPATHOLOGY

[Post-traumatic scaphólunate instability. A frequently overlooked injury of the wrist] Hedeboe J, et al. **Ugeskr Laeger** 1983 Nov 7;145(45):3476–80 (Eng. Abstr.) **(Dan)**

RADIOGRAPHY

Bone changes after rubella vaccination. Peters ME, et al. **AJR** 1984 Jul;143(1):27–8
Roentgenographic findings during auranofin treatment. Gofton JP, et al. **Am J Med** 1983 Dec 30;75(6A):142–4
An early hand-wrist atlas and its implications for secular change in bone age. Himes JH. **Ann Hum Biol** 1984 Jan–Feb;11(1):71–5
Symptoms of vibration syndrome and radiographic findings in the wrists of lumberjacks. Härkönen H, et al. **Br J Ind Med** 1984 Feb;41(1):133–6
X ray anomalies occurring in workers exposed to vibration caused by light tools. Van den Bossche J, et al. **Br J Ind Med** 1984 Feb;41(1):137–41
Arthrotomography of the wrist. The palmar radiocarpal ligaments. Berger RA, et al. **Clin Orthop** 1984 Jun; (186):224–9
Soft-tissue thickness of the wrist. Bloom RA, et al. **Clin Radiol** 1984 Jul;35(4):321–2
Peritendinitis calcarea of flexor carpi ulnaris. Colavita N, et al. **Diagn Imaging** 1983;52(5):284–6
Computed tomography of the normal soft tissues of the wrist. Cone RO, et al. **Invest Radiol** 1983 Nov–Dec;18(6):546–51
Hand and wrist involvement in calcium pyrophosphate dihydrate crystal deposition disease. Resnik CS, et al. **J Hand Surg** 1983 Nov;8(6):856–63
[Evaluation of hand-wrist radiographs as an indicator of the adolescent spurt of growth] Zhang SC. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):145–7 **(Chi)**

SURGERY

Milestones in modern plastic surgery. Restoration of function and balance of the wrist and hand by tendon transfers. By William L. White, M.D. 1960. **Ann Plast Surg** 1984 Jun; 12(6):547–68

Wrist disarticulation of a deformed hand: appropriate prosthesis and the habilitation of a severely retarded young man. Stimson C, et al. **Arch Phys Med Rehabil** 1984 May; 65(5):279–80

Arthrodesis of the wrist by internal fixation in rheumatoid arthritis: a follow-up study of forty-five consecutive cases. Vahvanen V, et al. **J Hand Surg [Am]** 1984 Jul;9(4):531–6

The SLAC wrist: scapholunate advanced collapse pattern of degenerative arthritis. Watson HK, et al. **J Hand Surg [Am]** 1984 May;9(3):358–65

A centralization procedure for radial clubhand. Watson HK, et al. **J Hand Surg [Am]** 1984 Jul;9(4):541–7

Denervation of the wrist. Ekerot L, et al. **Scand J Plast Reconstr Surg** 1983;17(2):155–7

WRIST INJURIES

Growth plate injuries of the wrist and hand. Sandzén SC. **Am Fam Physician** 1984 Jun;29(6):153–68

Symposium on the wrist. **Orthop Clin North Am** 1984 Apr; 15(2):181–398

COMPLICATIONS

Ganglion cysts and tear of triangular fibrocartilages of both wrists in a cheerleader. Tehranzadeh J, et al. **Am J Sports Med** 1983 Sep–Oct;11(5):357–9

Instability patterns of the wrist. Linscheid RL, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):682–6

Nerve injuries associated with wrist trauma. McCarroll HR Jr. **Orthop Clin North Am** 1984 Apr;15(2):279–87

[Bilateral wrist joint arthrosis in a figure skater] Weigert M, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):56–8 (Eng. Abstr.) **(Ger)**

[Traumatic arthritis of the wrist joint] Ashkenazi AI. **Khirurgiia (Mosk)** 1984 Jan;(1):58–62 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Post-traumatic carpal instability awareness and recognition. Jones KG. **J Arkansas Med Soc** 1983 Dec;80(7):301–5

Accurate evaluation and management of the painful wrist following injury. An approach to carpal instability. Beckenbaugh RD. **Orthop Clin North Am** 1984 Apr; 15(2):289–306

[Post-traumatic scaphólunate instability. A frequently overlooked injury of the wrist] Hedeboe J, et al. **Ugeskr Laeger** 1983 Nov 7;145(45):3476–80 (Eng. Abstr.) **(Dan)**

ETIOLOGY

[Injury of the articular disk of the wrist joint following a distal radius fracture] Siggelkow G. **Zentralbl Chir** 1984; 109(11):750–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Isolated volar dislocation of the fifth carpometacarpal joint. Case report. Tountas AA, et al. **Clin Orthop** 1984 Jul–Aug; (187):172–5

PHYSIOPATHOLOGY

Patterns of injury to carpal ligaments. A spectrum. Mayfield JK. **Clin Orthop** 1984 Jul–Aug;(187):36–42

RADIOGRAPHY

Importance of soft-tissue evaluation in hand and wrist trauma: statistical evaluation. Curtis DJ, et al. **AJR** 1984 Apr;142(4):781–8

Significance of intraarticular fluid without visible fracture in children. Swischuk LE, et al. **AJR** 1984 Jun; 142(6):1261–2

Detection of intraarticular loose osteochondral fragments by double-contrast wrist arthrography. A case report of a basketball injury. Tehranzadeh J, et al. **Am J Sports Med** 1984 Jan–Feb;12(1):77–9

Traumatic intraosseous ganglion. A case report. Kenan S, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Spring;44(1):82–5

Roentgenographic diagnosis of the painful wrist. Gilula LA, et al. **Clin Orthop** 1984 Jul–Aug;(187):52–64

Carpometacarpal dislocations. Fisher MR, et al. **CRC Crit Rev Diagn Imaging** 1984;22(2):95–126 (20 ref.)

Radiologic aspects of the Galeazzi lesion. de Carvalho A, et al. **Eur J Radiol** 1984 Aug;4(3):169–72

Isolated volar dislocation of the radiocarpal joint. A case report. Fehring TK, et al. **J Bone Joint Surg [Am]** 1984 Mar;66(3):464–6

Posttraumatic scapholunate dissociation detected by wrist cineradiography. Nielsen PT, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):135–8

[Dynamic radiologic examination of the wrist] Schernberg F, et al. **Rev Chir Orthop** 1983;69(7):521–31 (Eng. Abstr.) **(Fre)**

[Combined injuries of a radiocarpal and intercarpal dislocation fracture with open dislocation of the proximal long finger joints of the left and right hand] Okhowat R. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):64–6 **(Ger)**

[Roentgen diagnosis of radiocarpal ligament injuries (scapho-lunar instability)] Nagy E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1983; 26(4):299–307 (Eng. Abstr.) **(Hun)**

[Radiographic parameters of the distal epiphysis of the radius in the healthy and fractured wrist] Altissimi M, et al. **Arch Putti Chir Organi Mov** 1983;33:367–70 (Eng. Abstr.) **(Ita)**

SURGERY

External fixation of the wrist. Current indications and technique. Fernandez DL, et al. **Ann Chir Gynaecol** 1983; 72(6):298–302

Composite osteo-cutaneous groin flap for the reconstruction of wrist and forearm defects. Acartürk S, et al. **Br J Plast Surg** 1984 Jul;37(3):388–93

Irreducible trans-scaphoid perilunate dislocation. O'Carroll PF, et al. **Ir J Med Sci** 1983 Nov;152(11):424–7

Management of the fractured scaphoid using a new bone screw. Herbert TJ, et al. **J Bone Joint Surg [Br]** 1984 Jan; 66(1):114–23

The treatment of delayed union and non-union of the carpal scaphoid by screw fixation. Leyshon A, et al. **J Bone Joint Surg [Br]** 1984 Jan;66(1):124–7

Dislocations of the lunate with and without fracture of the scaphoid. Panting AL, et al. **J Bone Joint Surg [Br]** 1984 May;66(3):391–5

Fractures and dislocations of the wrist and hand, then and now. Dobyns JH, et al. **J Hand Surg** 1983 Sep;8(5 Pt 2):667–90

Palmar dislocation of the trapezoid—a case report. Goodman ML, et al. **J Hand Surg** 1983 Sep;8(5 Pt 1):606–9

Delayed primary bone grafting in the hand and wrist after traumatic bone loss. Freeland AE, et al. **J Hand Surg [Am]** 1984 Jan;9A(1):22–8

Isolated tears of the triangular fibrocartilage of the wrist: results of partial excision. Menon J, et al. **J Hand Surg [Am]** 1984 Jul;9(4):527–30

Immediate reconstruction of the wrist and dorsum of the hand with a free osteocutaneous groin flap. Swartz WM. **J Hand Surg [Am]** 1984 Jan;9A(1):18–21

Colles' fractures in young adults. Eelma J, et al. **Minn Med** 1983 Aug;66(8):487–90

Operative treatment of Smith's fracture. Bongers KJ. **Neth J Surg** 1984 Feb;36(1):10–2

[Plate osteosynthesis of unstable fractures of the wrist with anterior displacement] A. Gereau B, et al. **Int Orthop** 1983; 7(1):55–9 (Eng. Abstr.) **(Fre)**

[Alloplastic partial replacement of the scaphoid bone] Haussmann P. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):182–4 (Eng. Abstr.) **(Ger)**

[Traumatic luxation of the pisiform bone] Korovessis P. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):196–7 (Eng. Abstr.) **(Ger)**

[What is the value of stable osteosynthesis of the distal radius?] Pfeiffer KM, et al. **Handchir Mikrochir Plast Chir** 1984 Jun;16(2):80–2 (Eng. Abstr.) **(Ger)**

[Treatment of irreparable scaphoid bone pseudarthrosis and necrosis by partial resection of the scaphoid] Schmitt E, et al. **Handchir Mikrochir Plast Chir** 1983 Sep;15(3):185–90 (Eng. Abstr.) **(Ger)**

THERAPY

Scaphoid (navicular) fracture of the wrist. O'Dell ML, et al. **Am Fam Physician** 1984 Apr;29(4):189–94

The carpometacarpal joints. Gunther SF. **Orthop Clin North Am** 1984 Apr;15(2):259–77

Articular fractures of the distal radius. Melone CP Jr. **Orthop Clin North Am** 1984 Apr;15(2):217–36

[Isolated closed dislocation of the scaphoid bone] Geönczeöl T, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(1):67–9 (Eng. Abstr.) **(Hun)**

WRIST JOINT

Wrist deformity in rheumatoid arthritis extensor carpi ulnaris tendon transfer. Brown FE. **Ann Plast Surg** 1984 Aug; 13(2):121–5

Histo-mechanical aspects of carpal tunnel syndrome. Lin R, et al. **Hand** 1983 Oct;15(3):305–9

Metastatic calcification as a cause of ulnar nerve compression at the wrist. Sharara KH, et al. **Hand** 1983 Oct;15(3):300–4

Sarcoid disease of the wrist joint. Yasui N, et al. **Hand** 1983 Oct;15(3):246–8

Multiple stapling for wrist arthrodesis in the nonrheumatoid patient. Benkeddache Y, et al. **J Hand Surg [Am]** 1984 Mar; 9(2):256–60

Dynamic triquetrolunate instability: case report. Lichtman DM, et al. **J Hand Surg [Am]** 1984 Mar;9(2):185–8

Silastic scaphoid implants in osteoarthritis of the radioscaphoid joint. Björnsson HA, et al. **J Hand Surg [Br]** 1984 Jun;9(2):177–80

Wrist joint arthroplasty in rheumatoid arthritis: a comparison between the Meuli and Swanson prostheses. Summers B, et al. **J Hand Surg [Br]** 1984 Jun;9(2):171–6

Symposium on the wrist. **Orthop Clin North Am** 1984 Apr; 15(2):181–398

Ulnar carpal instabilities. Alexander CE, et al. **Orthop Clin North Am** 1984 Apr;15(2):307–20

The evaluation of chronic wrist pain. Brown DE, et al. **Orthop Clin North Am** 1984 Apr;15(2):183–92

The carpometacarpal joints. Gunther SF. **Orthop Clin North Am** 1984 Apr;15(2):259–77

Wrist ligamentous anatomy and pathogenesis of carpal instability. Mayfield JK. **Orthop Clin North Am** 1984 Apr; 15(2):209–16

The distal radioulnar joint. Palmer AK. **Orthop Clin North Am** 1984 Apr;15(2):321–35

Degenerative disorders of the carpus. Watson HK, et al. **Orthop Clin North Am** 1984 Apr;15(2):337–53

Severe erosive arthritis of large joints in chronic renal failure. Griffin CN Jr. **Skeletal Radiol** 1984;12(1):29–33

Squaredancer's synovitis [letter] White WB. **South Med J** 1984 Aug;77(8):1067–8

[Carpal tunnel syndrome in tuberculous tendosynovitis of the hand] Mark G, et al. **Schweiz Med Wochenschr** 1984 Mar 31;114(13):448–51 (Eng. Abstr.) **(Ger)**

[Wrist joint deformities caused by multiple cartilaginous exostoses of the distal ulna] Löffler L, et al. **Z Orthop** 1984 Jan–Feb;122(1):78–82 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Articular surfaces of the human proximal wrist joint] Schmidt HM, et al. **Z Morphol Anthropol** 1983;74(2):145–72 (Eng. Abstr.) **(Ger)**

[The relative length of the radius and ulna at the wrist joint] Matzen PF, et al. **ZFA** 1983 Jul–Aug;38(4):269–72 (Eng. Abstr.) **(Ger)**

INNERVATION

Anticipatory changes of long-latency stretch responses during preparation for directional hand movements. Bonnet M. **Brain Res** 1983 Nov 28;280(1):51–62

[Clinical experiences with Wilhelm's method of wrist joint denervation] Martini AK, et al. **Z Orthop** 1983 Nov–Dec; 121(6):767–9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Partial arthrodesis of the wrist. An investigation in cadavers. Rozing PM, et al. **Acta Orthop Scand** 1984 Feb;55(1):66–8

Synovial chondromatosis of the distal radioulnar joint. Ballet FL, et al. **J Hand Surg [Am]** 1984 Jul;9(4):590–2

PHYSIOLOGY

A biomechanical study of normal functional wrist motion. Brumfield RH, et al. **Clin Orthop** 1984 Jul–Aug;(187):23–5

Biomechanics of the distal radioulnar joint. Palmer AK, et al. **Clin Orthop** 1984 Jul–Aug;(187):26–35

Tendon excursion of wrist movers. Youm Y, et al. **J Hand Surg [Am]** 1984 Mar;9(2):202–9

Concepts governing the rotational shift of the intercalated segment of the carpus. Weber ER. **Orthop Clin North Am** 1984 Apr;15(2):193–207

PHYSIOPATHOLOGY

Capitate-lunate instability: recognition by manipulation under fluoroscopy. White SJ, et al. **AJR** 1984 Aug; 143(2):361–4

The painful wrist. Herbert T. **Aust Fam Physician** 1984 Feb; 13(2):102–4, 106

[Late functional results following replantation of a hand with resection of the proximal carpal row] Toomes J, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):20–2 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Arthrosis of the lunate-capitate joint. Jonsson K, et al. **Acta Radiol [Diagn] (Stockh)** 1983;24(5):415–8

Bilateral palmar flexion instability: a complication of wheelchair use. Pennes DR, et al. **AJR** 1983 Dec; 141(6):1327–8

Digital arthrography of the wrist: a radiographic-pathologic investigation. Resnick D, et al. **AJR** 1984 Jun; 142(6):1187–90

Significance of intraarticular fluid without visible fracture in children. Swischuk LE, et al. **AJR** 1984 Jun; 142(6):1261–2

Microfocal radiographic examination of erosions in the wrist and hand of patients with rheumatoid arthritis. Buckland-Wright JC. **Ann Rheum Dis** 1984 Apr; 43(2):160–71

Relationship between finger and wrist deformities in rheumatoid arthritis. Read GO, et al. **Ann Rheum Dis** 1983 Dec;42(6):619–25

Radiographic disease patterns at the carpus. Chernin MM, et al. **Clin Orthop** 1984 Jul–Aug;(187):72–80

Roentgenographic diagnosis of the painful wrist. Gilula LA, et al. **Clin Orthop** 1984 Jul–Aug;(187):52–64

Wrist arthrography. Kricun ME. **Clin Orthop** 1984 Jul–Aug; (187):65–71

Relationship between clinical synovitis and radiological destruction, in rheumatoid arthritis. Luukkainen R, et al. **Clin Rheumatol** 1983 Sep;2(3):223–6

Arthrography of the wrist joint. An experimental study. Mikić ZD. **J Bone Joint Surg [Am]** 1984 Mar;66(3):371–8

[Dynamic radiologic examination of the wrist] Schernberg F, et al. **Rev Chir Orthop** 1983;69(7):521–31 (Eng. Abstr.) **(Fre)**

[Bilateral wrist joint arthrosis in a figure skater] Weigert M, et al. **Handchir Mikrochir Plast Chir** 1984 Mar;16(1):56–8

(Eng. Abstr.) (Ger)
[Radiographic parameters of the distal epiphysis of the radius in the healthy and fractured wrist] Altissimi M, et al. **Arch Putti Chir Organi Mov** 1983;33:367–70 (Eng. Abstr.) (Ita)

SURGERY

Synovectomy with resection of the distal ulna in rheumatoid arthritis of the wrist. Jensen CM. **Acta Orthop Scand** 1983 Oct;54(5):754–9
Synovectomy of the wrist in rheumatoid arthritis and related diseases. A follow-up study of 97 consecutive cases. Vahvanen V, et al. **Arch Orthop Trauma Surg** 1984; 102(4):230–7
Total wrist arthroplasty. Problems with implant failures. Cooney WP 3d, et al. **Clin Orthop** 1984 Jul–Aug; (187):121–8
Meuli total wrist arthroplasty. Meuli HC. **Clin Orthop** 1984 Jul–Aug;(187):107–11
Flexible implant arthroplasty of the radiocarpal joint. Surgical technique and long-term study. Swanson AB, et al. **Clin Orthop** 1984 Jul–Aug;(187):94–106
Subtotal arthrodeses of the wrist joint. Taleisnik J. **Clin Orthop** 1984 Jul–Aug;(187):81–8
Utilization of the extensor retinaculum in the radiocarpal joint of rheumatoid wrists. Torisu T, et al. **Clin Orthop** 1983 Dec;(181):179–85
Total wrist arthroplasty. A clinical review. Volz RG. **Clin Orthop** 1984 Jul–Aug;(187):112–20
The wrist joint [editorial] Fisk GR. **Hand** 1983 Oct; 15(3):239–41
Pisotriquetral arthritis: a case report. Guly HR, et al. **Hand** 1983 Oct;15(3):294–6
Arthrodesis of the wrist with mini-fixators in infantile cerebral palsy. Patella V, et al. **Ital J Orthop Traumatol** 1984 Mar;10(1):75–9
Fatal toxic shock syndrome as a complication of orthopaedic surgery. A case report. Rovner RA, et al. **J Bone Joint Surg [Am]** 1984 Jul;66(6):952–4
Implant arthroplasty in the rheumatoid hand and wrist: current state of the art in the United States. Beckenbaugh RD. **J Hand Surg** 1983 Sep;8(5 Pt 2):675–8
Ligamentous reconstruction for chronic intercarpal instability. Glickel SZ, et al. **J Hand Surg [Am]** 1984 Jul; 9(4):514–27
Short term review of the De La Caffiniere trapeziometacarpal arthroplasty. August AC, et al. **J Hand Surg [Br]** 1984 Jun;9(2):185–8
Small joint fusions of the hand using the Herbert Bone Screw. Faithfull DK, et al. **J Hand Surg [Br]** 1984 Jun;9(2):167–8
Present approach to the severely involved rheumatoid wrist. Nalebuff EA, et al. **Orthop Clin North Am** 1984 Apr; 15(2):369–80
Silicone rubber implants for arthrosis of the scaphotrapezial trapezoidal joint. Eiken O, et al. **Scand J Plast Reconstr Surg** 1983;17(3):253–5
Median nerve compression complicating arthrodesis of the rheumatoid wrist. Ekerot L, et al. **Scand J Plast Reconstr Surg** 1983;17(3):257–62
[Functional adaptation of the wrist after arthrodesis] Kundrát J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Apr; 51(2):103–9 (Eng. Abstr.) (Cze)
[Synovectomy of the wrist joint in rheumatoid arthritis. Significance of preoperative radiological destruction and serological findings] Jensen CM. **Ugeskr Laeger** 1984 Apr 2;146(14):1025–7 (Eng. Abstr.) (Dan)
[Interposition arthroplasties in the area of the proximal carpal row (lunate and scaphoid replacement/partial replacement] Sträsle H, et al. **Handchir Mikrochir Plast Chir** 1983 Sep; 15(3):177–81 (Eng. Abstr.) (Ger)
[Arthrodesis of the wrist joint in patients with rheumatoid arthritis] Jakubowski S, et al. **Chir Narzadow Ruchu Ortop Pol** 1983;48(3):279–83 (Eng. Abstr.) (Pol)

WRITING

The diary as a transitional object in female adolescent development. Sosin DA. **Adolesc Psychiatry** 1983; 11:92–103
On the editorial process in the medical literature [editorial] Fulginiti VA. **Am J Dis Child** 1984 Apr;138(4):337–9
2284: timid souls among the ruins. Christy NP. **Am J Med** 1984 Jan;76(1):3–7
The lecture: where it wavers [editorial] Kroenke K. **Am J Med** 1984 Sep;77(3):393–6
A proposal for publication of manuscript critiques in the American Journal of Orthodontics [editorial] Moffett B. **Am J Orthod** 1984 Jan;85(1):94–5
A critique of western medical commentary on the People's Republic of China. Orient JM. **Arch Intern Med** 1984 Jan; 144(1):106–9
Contingency management in writing and the appearance of creative ideas: implications for the treatment of writing blocks. Boice R. **Behav Res Ther** 1983;21(5):537–43 (31 ref.)
A microprocessor-based large print reading/writing system for the visually impaired person. Kelly GW, et al. **Biomed Sci Instrum** 1984;20:121–2
The value of written communications in dynamic psychotherapy. Ryle A. **Br J Med Psychol** 1983 Dec;56 (Pt 4):361–6
Spelling errors in context. Sterling CM. **Br J Psychol** 1983 Aug;74 (Pt 3):353–64
Letters from hospitals to general practitioners [letter] **Br Med J [Clin Res]** 1984 Jul 21;289(6438):189
Letters from general practitioners to hospitals [letter] **Br Med J [Clin Res]** 1984 Aug 25;289(6443):497–8
Style in medical journals. Adams Smith DE. **Br Med J [Clin Res]** 1983 Oct 15;287(6399):1122–4
The origin of 'Awakenings'. Sacks O. **Br Med J [Clin Res]** 1983 Dec 24–31;287(6409):1968–9
Disruption of written language in aphasia: a case study. Freedman-Stern R, et al. **Brain Lang** 1984 Jul; 22(2):181–205
A cornucopia of words [letter] Morgan PP. **Can Med Assoc J** 1983 Oct 1;129(7):676
Auditory word and consonant perception in late adolescent Swedish-speaking dysorthographic men. Byring R, et al. **Folia Phoniatr (Basel)** 1983;35(5):235–40
The passive voice is deemed to be bad. Christy NP. **Hosp Pract [Off]** 1984 May;19(5):155, 158–9
The case report. II. Style and form. DeBakey L, et al. **Int J Cardiol** 1984 Aug;6(2):247–54
The case report. I. Guidelines for preparation. DeBakey L, et al. **Int J Cardiol** 1983 Oct;4(3):357–64
Effects of alcohol versus expectancy for alcohol on the incidence of graffiti following an experimental task. Korytnyk NX, et al. **J Abnorm Psychol** 1983 Aug; 92(3):382–5
Personal computer word processing for veterinary article writing: personal computers and printers. Stogdale L. **J Am Vet Med Assoc** 1984 Aug 15;185(4):400–4
Readability and human interest scores of twenty-eight books on psychoanalytic technique. Peterson CA. **J Clin Psychol** 1984 Jan;40(1):86–9
Influence of written form on reading comprehension in aphasia. Williams SE. **J Commun Disord** 1984 Jun; 17(3):165–74
The anonymous letter writer—a psychological profile? Casey-Owens M. **J Forensic Sci** 1984 Jul;29(3):816–9
Hands on stamps. Bangladesh—issue of 1982. Light TR. **J Hand Surg [Am]** 1984 Jul;9(4):477
The quality of deans' letters from medical schools. Yager J, et al. **J Med Educ** 1984 Jun;59(6):471–8
Hypergraphia and mental handicap. Jancar J, et al. **J Ment Defic Res** 1984 Jun;28 (Pt 2):151–8
Hypergraphia in epilepsy: is there a specificity to temporal lobe epilepsy? Hermann BP, et al. **J Neurol Neurosurg Psychiatry** 1983 Sep;46(9):848–53
The curriculum vitae and the resume: contrasts, similarities, and applications. Lamb S. **J Neurosurg Nurs** 1984 Apr; 16(2):109–15
Procedure development. A simplified approach. Griffith J, et al. **J Nurs Adm** 1984 Sep;14(9):27–32
The effect of note-taking on a simulated clinical interview. Hickling LP, et al. **J Psychol** 1984 Mar;116(2d Half):235–40
Use the passive voice! Ransom J. **JAMA** 1984 Mar 9; 251(10):1271
Nurses can write for publication. Edgil AE, et al. **JOGN Nurs** 1983 Jul–Aug;12(4):231–5
Abbreviations in medical writing [letter] Boughton CR. **Med J Aust** 1983 Sep 17;2(6):263
The roots of deceit [letter] Gilchrist JH. **N Engl J Med** 1984 May 24;310(21):1397
Unsung heroes department [letter] Moritz D. **N Engl J Med** 1984 Sep 20;311(12):803
Medicolegalingo [letter] Simon LA. **N Engl J Med** 1984 Jul 12;311(2):131
All Greek to me [letter] Selden AC. **Nature** 1984 Jul 12–18; 310(5973):96
Guidelines for peer reviewers. Dickerson JK. **Nurs Outlook** 1984 Jul–Aug;32(4):232
Writing a book proposal. Long LG, et al. **Nurs Outlook** 1984 Sep–Oct;32(5):288
Teaching writing and thinking skills. Pinkava BP, et al. **Nurs Outlook** 1984 Sep–Oct;32(5):270–2
Who says doctors can't write? Bluestone N. **Penn Med** 1983 Nov;86(11):48–50
Interrupting visual feedback in writing. Hull GA, et al. **Percept Mot Skills** 1983 Dec;57(3 Pt 1):963–78
The challenge of medical writing in America. Berland T. **Perspect Biol Med** 1983 Summer;26(4):587–94
Fasciocutaneous flap [letter] Christ JE. **Plast Reconstr Surg** 1983 Nov;72(5):739
A manner of speaking [editorial] Thomison JB. **South Med J** 1984 Jan;77(1):1–2
[Mathematical models for relationship between the height of a desk and chair and reading and writing postures] Tang XL, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep;17(5):262–5 (Eng. Abstr.) (Chi)
[A case of trust] Dunning AJ. **Ned Tijdschr Geneeskd** 1984 Mar 3;128(9):413 (Dut)
[Brief is beautiful] L ..nning AJ. **Ned Tijdschr Geneeskd** 1983 Oct 1;127(40):1822–4 (Dut)
[A clinical lesson?] van der Werf GT, et al. **Ned Tijdschr Geneeskd** 1983 Dec 10;127(50):2265–8 (Dut)
[Do you summarize like this too?] van Everdingen JJ. **Ned Tijdschr Geneeskd** 1983 Dec 31;127(53):2435–6 (Dut)
[Medical secrecy and scientific publications] van Herten JH. **Ned Tijdschr Geneeskd** 1984 Jul 7;128(27):1302–3 (Dut)
[How does one give a presentation?] Schmitt W. **Zentralbl Chir** 1983;108(15):992–9 (Eng. Abstr.) (Ger)
[A control program for an electronic typewriter by a hand-held computer: a simple word-processor for biochemical papers] Asano A. **Seikagaku** 1983 Dec; 55(12):1443–7 (Jpn)
[3 forgotten letters of physicians-participants in the November Uprising] Stembrowicz W. **Arch Hist Med (Warsz)** 1983;46(3):379–83 (Pol)
[Writing a scientific paper. III. Tables] Sauaia N, et al. **Arq Bras Cardiol** 1983 Feb;40(2):77–82 (Por)
[Writing a scientific paper. V. – The case report] Sauaia N, et al. **Arq Bras Cardiol** 1983 Apr;40(4):229–31 (Por)
[Writing a scientific paper. IV – Illustrations] Sawaia N. **Arq Bras Cardiol** 1983 Mar;40(3):149–53 (Por)
[The nature and purposes of monographs in the field of health] Gutiérrez Layton M. **Educ Med Salud** 1983; 17(2):199–204 (Spa)

WRYNECK see **TORTICOLLIS**

WUCHERERIA

ANALYSIS

Human serum albumin is a major component on the surface of microfilariae of Wuchereria bancrofti. Maizels RM, et al. **Parasite Immunol** 1984 Mar;6(2):185–90

ANATOMY & HISTOLOGY

[Morphology of the fourth stage larva of Wuchereria bancrofti in artificially infected jirds (Meriones unguiculatus)] Tao ZH. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1983;1(1):26 (Chi)

DRUG EFFECTS

Observations on mebendazole as a filaricide. Chand P, et al. **J Commun Dis** 1983 Sep;15(3):213–5
Observations on the macrofilaricidal effect of diethylcarbamazine in a non-endemic area. Russel S, et al. **J Commun Dis** 1983 Sep;15(3):211–2
[Effects of diethylcarbamazine on the transmission of Wucheria bancrofti in a Senegalese reservoir of lymphatic filariasis] Diallo S, et al. **Dakar Med** 1983;28(1):179–86 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Further characterization of filarial antigens by SDS polyacrylamide gel electrophoresis. Dissanayake S, et al. **Bull WHO** 1983;61(4):725–30
Relative efficacy of Wuchereria bancrofti microfilarial & infective larval antigens in the detection of filarial antibodies. Dhanvantari Naidu Y, et al. **Indian J Med Res** 1984 Jan;79:50–4
Immunofluorescence studies with Wuchereria bancrofti microfilariae ES antigen. Kharat I, et al. **Indian J Med Res** 1983 Oct;78:497–502
Effect of different DEC schedules on microfilaraemia & filarial antibody levels in bancroftian filariasis. Malhotra A, et al. **Indian J Med Res** 1983 Sep;78:343–8
Immunoradiometric assay for detection of filarial antigens in human serum. Hamilton RG, et al. **J Immunol** 1984 Oct; 133(4):2237–42

ISOLATION & PURIFICATION

A modified membrane filtration technique for recovery of Wuchereria bancrofti microfilariae. Fan PC. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):269–71

WUCHERERIA BANCROFTI see under **WUCHERERIA**

X 537A see **LASALOCID**

X CHROMOSOME

Purine, thymidylate and amino acid requirements for human lymphocyte transformation and fragile chromosome site expression. Snyder FF, et al. **Adv Exp Med Biol** 1984;165 Pt A:397–400
X-linked recessive (Duchenne) muscular dystrophy (DMD) and purine metabolism: effects of oral allopurinol and adenylate. Thomson WH. **Adv Exp Med Biol** 1984;165 Pt B:451–6
Epstein–Barr virus and the X-linked lymphoproliferative syndrome. Sullivan JL. **Adv Pediatr** 1983;30:365–99 (92 ref.)
Differences in the frequency of X-linked deleterious genes in human populations. Chakravarti A, et al. **Am J Hum Genet** 1983 Nov;35(6):1252–7
The cell surface antigen locus, MIC2X, escapes X-inactivation. Goodfellow P, et al. **Am J Hum Genet** 1984 Jul;36(4):777–82
X-linked inheritance of Alport syndrome: family P revisited. Hasstedt SJ, et al. **Am J Hum Genet** 1983 Nov; 35(6):1241–51
Fragile (X) X-linked mental retardation. II. Frequency and replication pattern of fragile (X)(q28) in heterozygotes. Knoll JH, et al. **Am J Hum Genet** 1984 May;36(3):640–5
Frequency of reactivation and variability in expression of X-linked enzyme loci. Mohandas T, et al. **Am J Hum Genet** 1984 Jul;36(4):916–25
Toward a complete linkage map of the human X

chromosome: regional assignment of 16 cloned single-copy DNA sequences employing a panel of somatic cell hybrids. Wieacker P, et al. **Am J Human Genet** 1984 Mar;36(2):265-76

Spreading of inactivation in an (X;14) translocation. Allderdice PW, et al. **Am J Med Genet** 1978;2(3):233-40

Brief clinical report: neural tube defects as an X-linked condition. Baraitser M, et al. **Am J Med Genet** 1984 Jan; 17(1):383-5

Aarskog syndrome: full male and female expression associated with an X-autosome translocation. Bawle E, et al. **Am J Med Genet** 1984 Mar;17(3):595-602

Hypoplastic left heart in a patient with 45,X/46,XX/47,XXX mosaicism. Bidot-López P, et al. **Am J Med Genet** 1978; 2(4):341-3

The X-linked syndrome of macroorchidism and mental retardation: further observations. Bowen P, et al. **Am J Med Genet** 1978;2(4):409-14

Phenotypic overlap of the BBB and G syndromes. Cordero JF, et al. **Am J Med Genet** 1978;2(2):145-52

Fragile X expression suppressed in either FUdR or methotrexate treated fibroblasts by pretreatment with 5-azacytidine [letter] Daniel A, et al. **Am J Med Genet** 1984 Jan;17(1):255-7

5-azacytidine decreases the frequency of fragile X expression in peripheral lymphocyte culture. Dev VG, et al. **Am J Med Genet** 1984 Jan;17(1):253-4

X-linked mental retardation associated with bilateral clasp thumb anomaly. Gareis FJ, et al. **Am J Med Genet** 1984 Jan;17(1):333-8

A new X-linked mental retardation-overgrowth syndrome. Golabi M, et al. **Am J Med Genet** 1984 Jan;17(1):345-58

A new X-linked multiple congenital anomalies/mental retardation syndrome. Golabi M, et al. **Am J Med Genet** 1984 Jan;17(1):367-74

The fragile-X syndrome, IV. Progress towards the identification of linked restriction fragment length variants (RFLVs). Holden JJ, et al. **Am J Med Genet** 1984 Jan; 17(1):259-73

Brief clinical report: an X-linked mental retardation syndrome with craniofacial abnormalities, microcephaly and club foot. Holmes LB, et al. **Am J Med Genet** 1984 Jan;17(1):375-82

X-linked mental retardation revisited [letter] Howard-Peebles PN, et al. **Am J Med Genet** 1984 Jan; 17(1):95-9

Recombination between the fragile X and G6PD [letter] Howard-Peebles PN, et al. **Am J Med Genet** 1984 Jan; 17(1):275-6

A large kindred with X-linked mental retardation, marker X and macroorchidism. Lubs H, et al. **Am J Med Genet** 1984 Jan;17(1):145-57

Restudy of the original marker X family. Lubs HA, et al. **Am J Med Genet** 1984 Jan;17(1):133-44

A form of X-linked mental retardation with marfanoid habitus. Lujan JE, et al. **Am J Med Genet** 1984 Jan; 17(1):311-22

A possible explanation for the low incidence of gonosomal aneuploidy among the offspring of triplo-X individuals. Neri G. **Am J Med Genet** 1984 Jun;18(2):357-64

Discovery of a connective tissue dysplasia in the Martin-Bell syndrome. Opitz JM, et al. **Am J Med Genet** 1984 Jan; 17(1):101-9

Conference report: International Workshop on the fragile X and X-linked mental retardation. Opitz JM, et al. **Am J Med Genet** 1984 Jan;17(1):5-94

The Golabi-Rosen syndrome--report of a second family. Opitz JM. **Am J Med Genet** 1984 Jan;17(1):359-66

Premature centromere division [letter] Riccardi VM. **Am J Med Genet** 1983 Oct;16(2):291-2

A new X-linked syndrome comprising progressive basal ganglion dysfunction, mental and growth retardation, external ophthalmoplegia, postnatal microcephaly and deafness. Schimke RN, et al. **Am J Med Genet** 1984 Jan; 17(1):323-32

X-linked mental retardation: transmission of the trait by an apparently unaffected male. Wolff G, et al. **Am J Med Genet** 1978;2(3):217-24

Mental retardation-clasped thumb syndrome. Yeatman GW. **Am J Med Genet** 1984 Jan;17(1):339-44

Natural history of X-linked aqueductal stenosis in the second and third trimesters of pregnancy. Friedman JM, et al. **Am J Obstet Gynecol** 1984 Sep 1;150(1):104-6

Fragile X chromosome and chromosome condensation. Jacky PB, et al. **Ann Genet (Paris)** 1983;26(3):171-3

A liveborn 69,XXX triploid. Origin, X chromosome activity and gene dosage. Maraschio P, et al. **Ann Genet (Paris)** 1984;27(2):96-101

Mild expression of 3qter trisomy due to a de novo (X;3)(p22.3;q25.3) translocation. Rivera H, et al. **Ann Genet (Paris)** 1984;27(2):112-4

Linkage studies in Menkes' disease. The Xg blood group system and C-banding of the X chromosome. Horn N, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):161-72

Body size and shape in 46,XX males: an anthropometric investigation. Varrela J. **Ann Hum Genet** 1984 Jul;48 (Pt 3):261-7

Regional localization of 3 Y-derived sequences on the human X and Y chromosomes. Wolfe J, et al. **Ann Hum Genet** 1984 Jul;48 (Pt 3):253-9

Mammalian X-chromosome inactivation. Gartler SM, et al. **Annu Rev Genet** 1983;17:155-90 (194 ref.)

Hunter's disease in a girl: association with X:5 chromosomal translocation disrupting the Hunter gene. Mossman J, et al. **Arch Dis Child** 1983 Nov;58(11):911-5

Sex-linked hereditary bilateral anophthalmos. Pathologic and radiologic correlation. Brunquell PJ, et al. **Arch Ophthalmol** 1984 Jan;102(1):108-13

Studies on metatherian sex chromosomes. XII. Sex-linked inheritance and probable paternal X-inactivation of alpha-galactosidase A in Australian marsupials. Cooper DW, et al. **Aust J Biol Sci** 1983;36(5-6):511-7

Identification of two intestinal vitamin D-dependent calcium-binding proteins in the X-linked hypophosphataemic mouse. Baker LR, et al. **Biochem Biophys Res Commun** 1984 Mar 30;119(3):850-3

X-chromosome-specific polymorphisms in Duchenne muscular dystrophy: clinical applications. O'Brien T. **Biochem Soc Trans** 1984 Jun;12(3):371-2

X-chromosome-coded antigens in Duchenne muscular dystrophy. Walsh FS. **Biochem Soc Trans** 1984 Jun; 12(3):368-70

Congenital ocular motor apraxia. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1982;203:71-4

Distribution of sister chromatid exchanges on the mouse chromosomes in vivo with reference to the replication properties of the X chromosome. Singh SM, et al. **Can J Genet Cytol** 1984 Apr;26(2):152-7

Trisomy X as a possible initial chromosome change in a gastric cancer. Ochi H, et al. **Cancer Genet Cytogenet** 1984 May;12(1):57-61

Nonhomologous synapsis of the sex chromosomes in the heteromorphic bivalents of two X-7 translocations in male mice: R5 and R6. Ashley T. **Chromosoma** 1983;88(3):178-83

Synaptonemal complex analysis of X-7 translocations in male mice: R2 and R6 quadrivalents. Ashley T, et al. **Chromosoma** 1983;88(3):171-7

Marker chromosomes in parents to children with Down's syndrome. Annerén G, et al. **Clin Genet** 1984 Feb; 25(2):140-7

The Nance-Horan syndrome: a rare X-linked ocular-dental trait with expression in heterozygous females. Bixler D, et al. **Clin Genet** 1984 Jul;26(1):30-5

Tables for the cytogenetic study of fragile X chromosomes for diagnostic purposes. De Arce MA. **Clin Genet** 1983 Nov;24(5):320-3

Reduced fertility in women with X chromosome abnormality. Fitzgerald PH, et al. **Clin Genet** 1984 Apr;25(4):301-9

Replication and inactivation of an isodicentric X: presence of an inactive centromere influences the replication patterns. Fryns JP, et al. **Clin Genet** 1983 Sep;24(3):180-3

Gonadoblastoma in a patient with an isodicentric X chromosome. Katayama KP, et al. **Clin Genet** 1983 Nov; 24(5):355-8

Chromosome studies on normal males in 16 families with the marker X chromosome [letter] Venter PA, et al. **Clin Genet** 1984 Aug;26(2):166-7

Replication patterns of human X isochromosomes by high-resolution banding. Artifoni L, et al. **Cytogenet Cell Genet** 1983;36(4):649-51

X;Y translocation in a female with streak gonads, H-Y-phenotype, and some features of Turner's syndrome. Kelly TE, et al. **Cytogenet Cell Genet** 1984;38(2):122-6

On telomere replication and fusion in eukaryotes: apropos of a case of 45,X/46,X,ter rea(X;X)(p22.3;p22.3). Rivera H, et al. **Cytogenet Cell Genet** 1984;38(1):23-8

An X1X1X2X2/X1X2Y mechanism of sex determination in a South American rodent, Deltamys kempi (Rodentia, Cricetidae). Sbalqueiro IJ, et al. **Cytogenet Cell Genet** 1984; 38(1):50-5

A 47,XXX female with unusual phenotype. Hernandez P, et al. **Del Med J** 1983 Nov;55(11):661-3

A case of long arm deletion of the X-chromosome in a patient with Turner syndrome. Maximilian C, et al. **Endocrinologie** 1983 Oct-Dec;21(4):279-83

Flow cytometry isolation and improved visualization of sorted mouse chromosomes. Purification of chromosomes X and ISO-1 from cell lines with Robertsonian translocations. Baron B, et al. **Exp Cell Res** 1984 May; 152(1):220-30

The gene coding the human S11 surface antigens maps between the loci for HPRT and G6PD on the X-chromosome. Kamarck ME, et al. **Exp Cell Res** 1983 Dec;149(2):325-34

Ribosomal RNA cistrons of X chromosomes clonally derived from D. melanogaster laboratory populations: redundancy, organization and stability. Dutton FL, et al. **Genetics** 1984 Jul;107(3):405-21

Analysis of dysgenesis-induced lethal mutations on the X chromosome of a Q strain of Drosophila melanogaster. Simmons MJ, et al. **Genetics** 1984 May;107(1):49-63

Chromosomal abnormalities in human sperm: comparisons among four healthy men. Brandriff B, et al. **Hum Genet** 1984;66(2-3):193-201

DNA replication and inactivation patterns in structural abnormality of sex chromosomes. I.X-A translocations, rings, fragments, isochromosomes, and pseudo-isodicentrics. Camargo M, et al. **Hum Genet** 1984; 67(1):37-47

Regional localization of the human factor IX gene by molecular hybridization. Chance PF, et al. **Hum Genet** 1983;65(2):207-8

Chromosome anomalies in 136 couples with a history of recurrent abortions. Diedrich U, et al. **Hum Genet** 1983; 65(1):48-52

X-inactivation patterns in lymphocytes and skin fibroblasts of three cases of X-autosome translocations with abnormal phenotypes. Disteche CM, et al. **Hum Genet** 1984; 66(1):71-6

Inactivation pattern of the fragile X in heterozygous carriers. Fryns JP, et al. **Hum Genet** 1984;65(4):400-1

Restriction site polymorphism in the phosphoglycerate kinase gene on the X chromosome. Hutz MH, et al. **Hum Genet** 1984;66(2-3):217-9

Estimation of aneuploidy levels in human spermatozoa using chromosome specific probes and in situ hybridisation. Joseph AM, et al. **Hum Genet** 1984;66(2-3):234-8

Localisation of the Becker muscular dystrophy gene on the short arm of the X chromosome by linkage to cloned DNA sequences. Kingston HM, et al. **Hum Genet** 1984;67(1):6-17

The sequence of DNA replication in an iso-dicentric X-chromosome in peripheral blood lymphocytes and skin fibroblasts from the same individual. Lin MS, et al. **Hum Genet** 1983;65(2):139-43

A new form of hypertrichosis inherited as an X-linked dominant trait. Macías-Flores MA, et al. **Hum Genet** 1984; 66(1):66-70

Duchenne muscular dystrophy: pathogenetic aspects and genetic prevention. Moser H. **Hum Genet** 1984;66(1):17-40 (425 ref.)

Cytogenetic investigations in mentally retarded and normal males from 14 families with the fragile site at Xq28. Results of folic acid treatment on fra(X) expression. Nielsen KB, et al. **Hum Genet** 1984;66(2-3):225-9

Cytogenic investigation of 103 patients with primary or secondary amenorrhea. Opitz O, et al. **Hum Genet** 1983; 65(1):46-7

Analysis of the DNA replication pattern of a translocation (tX/X, qter——p221::p223——qter) chromosome in leukocyte and fibroblast cultures. Pellicciа F, et al. **Hum Genet** 1984;67(2):225-9

On the genetic length of the short arm of the human X chromosome. Ropers HH, et al. **Hum Genet** 1983;65(1):53-5 (36 ref.)

Genetic linkage relationship between the Xg blood group system and two X chromosome DNA polymorphisms in families with Duchenne and Becker muscular dystrophy. Sarfarazi M, et al. **Hum Genet** 1983;65(2):169-71

No marker (X) syndrome in autistic children. Venter PA, et al. **Hum Genet** 1984;67(1):107

Expression of an X-linked muscular dystrophy in a female due to translocation involving Xp21 and non-random inactivation of the normal X chromosome. Verellen-Dumoulin C, et al. **Hum Genet** 1984;67(1):115-9

A comparative study on steroid sulfatase and arylsulfatase C in fibroblast clones from 45,X/47,XXX and 69,XXY. Vogel W, et al. **Hum Genet** 1984;66(4):367-9

Evidence that the Menkes locus maps on proximal Xp. Wienker TF, et al. **Hum Genet** 1983;65(1):72-3

A sensitive and dependable assay for distinguishing hamster and human X-linked steroid sulfatase activity in somatic cell hybrids. Willard HF, et al. **Hum Genet** 1984; 66(2-3):272-5

Clinical features of female heterozygotes in the X-linked mixed deafness syndrome (with perilymphatic gusher during stapes surgery). Cremers CW, et al. **Int J Pediatr Otorhinolaryngol** 1983 Nov;6(2):179-85

Triple X and erythroleukaemia. Mulhern B, et al. **Ir J Med Sci** 1983 Oct;152(10):390-1

Position of late and early replicating human X chromosomes at somatic metaphase. Dosik D, et al. **J Hered** 1984 Mar-Apr;75(2):155-6

Hair root analysis in X-linked ichthyosis. Dancis J, et al. **J Inherited Metab Dis** 1983;6(4):173-7

X chromosome replication patterns in a case of X;9 balanced translocation. Filippi G, et al. **J Med Genet** 1983 Dec; 20(6):467-8

Constitutional aplastic anaemia: a family with a new X linked variety of amegakaryocytic thrombocytopenia. Griffiths AD. **J Med Genet** 1983 Oct;20(5):361-4

An X-linked mitochondrial disease affecting cardiac muscle, skeletal muscle and neutrophil leucocytes. Barth PG, et al. **J Neurol Sci** 1983 Dec;62(1-3):327-55

Detection of carriers of X-linked gene for Duchenne muscular dystrophy by levels of creatine kinase and pyruvate kinase. Falcão-Conceição DN, et al. **J Neurol Sci** 1983 Dec;62(1-3):171-80

Carrier detection in X-linked Becker muscular dystrophy by muscle provocation test (MPT). Herrmann FH, et al. **J Neurol Sci** 1983 Dec;62(1-3):141-6

Variation of serum myoglobin levels in normal individuals. With reference to the use of myoglobin measurements for the detection of women carrying genes for the X-linked muscular dystrophies. Nicholson LV, et al. **J Neurol Sci** 1983 Dec;62(1-3):41-58

Linkage analysis of X-linked mental retardation with and without fragile-X using factor IX gene probe [letter] Choo KH, et al. **Lancet** 1984 Aug 11;2(8398):349

A clinically useful DNA probe closely linked to haemophilia A. Harper K, et al. **Lancet** 1984 Jul 7;2(8393):6-8

Paucity of 47,XXX and 46,XX/47,XXX among routine diagnostic cytogenetic referrals [letter] Bell J, et al. **Med J Aust** 1983 Nov 26;2(11):535-6

International Commission for Protection against Environmental Mutagens and Carcinogens. ICPEMC Working Paper 5/6. Perspectives in mutation epidemiology, 6. A 1983 view of sentinel phenotypes.

Mulvihill JJ, et al. **Mutat Res** 1983 Dec;123(3):345–61 (49 ref.)

X-linked somatic-cell selection and polycythemia rubra vera [letter] Williams CK, et al. **N Engl J Med** 1984 May 10; 310(19):1265

Close genetic linkage between X-linked retinitis pigmentosa and a restriction fragment length polymorphism identified by recombinant DNA probe L1.28. Bhattacharya SS, et al. **Nature** 1984 May 17–23;309(5965):253–5

Close linkage of fragile X-mental retardation syndrome to haemophilia B and transmission through a normal male. Camerino G, et al. **Nature** 1983 Dec 15–21;306(5944):701–4

A cytological map of the human X chromosome—evidence for non-random recombination. Hartley DA, et al. **Nucleic Acids Res** 1984 Jul 11;12(13):5277–85

Gonadal and müllerian duct agenesis in a girl with 46,X,i(Xq). De Leon FD, et al. **Obstet Gynecol** 1984 Mar;63(3 Suppl):81S–83S

X-chromosome hyperploidy in couples with multiple spontaneous abortions. Holzgreve W, et al. **Obstet Gynecol** 1984 Feb;63(2):237–40

Autoimmunity in a patient with 47,XXX karyotype. Michalak DP, et al. **Obstet Gynecol** 1983 Nov;62(5):667–9

Late replication-dependent density enrichment of mammalian X chromosome: an aid to its purification. Mehta NG. **Perspect Biol Med** 1984 Spring;27(3):486–7

Prenatal diagnosis of X-linked hydrocephaly. van Egmond-Linden A, et al. **Prenat Diagn** 1983 Jul;3(3):245–8

X chromosome-linked muscular dystrophy (mdx) in the mouse. Bulfield G, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1189–92

Regional localization on the human X chromosome and polymorphism of the coagulation factor IX gene (hemophilia B locus). Camerino G, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):498–502

Genetic mapping of the human X chromosome by using restriction fragment length polymorphisms. Drayna D, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2836–9

Coreactivation of four inactive X genes in a hamster x human hybrid and persistence of late replication of reactivated X chromosome. Hors-Cayla MC, et al. **Somatic Cell Genet** 1983 Nov;9(6):645–57

Localization of cloned mouse chromosome 7-specific DNA to lethal albino deletions. Disteche CM, et al. **Somatic Cell Mol Genet** 1984 May;10(3):211–5

Characterization of reiterated human DNA with respect to mammalian X chromosome homology. Jabs EW, et al. **Somatic Cell Mol Genet** 1984 Jan;10(1):93–103

Human genetics of the abdominal aortic aneurysm. Tilson MD, et al. **Surg Gynecol Obstet** 1984 Feb;158(2):129–32

[X-recessive hereditary progressive mixed hypoacusis with excessive discharge of perilymph during stapes surgery] Cremers CW. **Ned Tijdschr Geneeskd** 1983 Nov 26; 127(48):2184–8 (Eng. Abstr.) **(Dut)**

[The X chromosome and language disability in males] Vilkman E. **Duodecim** 1984;100(11):668–74 (Eng. Abstr.) **(Fin)**

[The X chromosome and X-linked genetic dermatosis] Prigent F. **Ann Dermatol Venereol** 1983;110(12):1031–5 (45 ref.) **(Fre)**

[Familial pericentric inversion of the X chromosome [inv(X)(p11q28)]] Baumann W, et al. **Ann Genet (Paris)** 1984;27(2):106–8 (Eng. Abstr.) **(Fre)**

[EB virus, immunodeficiency, bone marrow aplasia, malignant mononucleosis and sex-linked lymphoproliferative B syndrome (XLP)] Mathé G. **Biomed Pharmacother** 1983;37(6):249–50 (Eng. Abstr.) **(Fre)**

[Sex-linked, nonprogressive, familial chorea] Landrieu P, et al. **Rev Neurol (Paris)** 1984;140(6–7):432–3 (Eng. Abstr.) **(Fre)**

[Clinical and hormonal studies in a male with karyotype 46,XX] Kumanow P, et al. **Andrologia** 1983 Sep–Oct; 15(5):426–30 (Eng. Abstr.) **(Ger)**

[Mental retardation. Sex-linked recessive hereditary type of mental retardation— current genetic and cytogenetic findings] Neuhäuser G. **ZFA (Stuttgart)** 1982 Dec 10; 58(34):1861–3 (21 ref.) **(Ger)**

[Gonadal dysgenesis and the X isochromosome] Szemere G, et al. **Orv Hetil** 1983 Dec 25;124(52):3151–3 (Eng. Abstr.) **(Hun)**

[Partial deletion of the short arm of the X chromosome in a patient with a monolateral ovarian streak] Simonetta R, et al. **Minerva Ginecol** 1984 Mar;36(3):95–9 (Eng. Abstr.) **(Ita)**

[X-linked ectodermal dysplasia. Presentation of 2 cases] Landi M, et al. **Minerva Pediatr** 1984 Apr 15;36(7):363–70 (Eng. Abstr.) **(Ita)**

[Description of a family with 3 brothers with X-linked mental retardation and fragile site Xq 27 der mat] Ventruto V, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):241–50 (Eng. Abstr.) **(Ita)**

[46,x,t(x;15)(q21;q22) gonadal dysgenesis] Aritaki S, et al. **Horumon To Rinsho** 1983 Jun;31 Suppl:59–62 **(Jpn)**

[Case of XX karyotyping in a man] Uchijima Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Jun;74(6):1057–65 (Eng. Abstr.) **(Jpn)**

[Prenatal diagnosis of X-linked hydrocephalus] Mikiel-Kostyra K, et al. **Ginekol Pol** 1983 Aug–Sep; 54(8–9):549–52 (Eng. Abstr.) **(Pol)**

ANALYSIS

A strategy to reveal high-frequency RFLPs along the human X chromosome. Aldridge J, et al. **Am J Hum Genet** 1984 May;36(3):546–64

The parental origin of X chromosomes in XX males determined using restriction fragment length polymorphisms. Page DC, et al. **Am J Hum Genet** 1984 May;36(3):565–75

Identification of an Indian muntjac DNA fragment preferentially hybridizing to the X-chromosome. Vasilikaki-Baker H, et al. **Exp Cell Res** 1984 May; 152(1):275–9

A DNA fragment from the human X chromosome short arm which detects a partially homologous sequence on the Y chromosomes long arm. Koenig M, et al. **Nucleic Acids Res** 1984 May 25;12(10):4097–109

DRUG EFFECTS

Effect of storage and dose on MMS-induced deletions. Complementation analysis of X-chromosomal recessive lethals in the zeste-white and maroon-like regions of Drosophila melanogaster. Parádi E, et al. **Mutat Res** 1983 Oct;111(2):145–59

Mutagenicity of 7,12-dimethylbenz[a]anthracene and some other aromatic mutagens in Drosophila melanogaster. Zijlstra JA, et al. **Mutat Res** 1984 Feb;125(2):243–61

[Fragility of the X chromosome and inhibition of dihydrofolate reductase. Comparisor of the effects of 2 antibiotics: trimethoprim and pyrimethamine] Calva-Mercado MP, et al. **Ann Genet (Paris)** 1983; 26(3):147–9 (Eng. Abstr.) **(Fre)**

METABOLISM

Replication variants of the human inactive X chromosome. II. Frequency and replication rate relative to the other chromosomes of the complement. Schmidt M, et al. **Chromosoma** 1984;89(1):68–75

PATHOLOGY

Polycythaemia rubra vera associated with unbalanced expression of the X chromosome and monoclonality of T lymphocytes. Williams CK, et al. **Acta Haematol (Basel)** 1983;70(4):229–35

PHYSIOLOGY

X-linked, polymorphic genetic variation of thyroxin-binding globulin (TBG) in baboons and screening of additional primates. Lockwood DH, et al. **Biochem Genet** 1984 Feb; 22(1–2):81–8

Differences in the DNA of the inactive X chromosomes of fetal and extraembryonic tissues of mice. Kratzer PG, et al. **Cell** 1983 May;33(1):37–42

X chromosome inactivation in bone marrow cells of adult mice carrying Searle's X-autosome translocation: occurrence of the early-replicating inactive X chromosome. Takagi N, et al. **Cytogenet Cell Genet** 1984; 38(1):62–9

Development and use of metaphase chromosome flow-sorting methodology to obtain recombinant phage libraries enriched for parts of the human X chromosome. Lalande M, et al. **Cytometry** 1984 Mar;5(2):101–7

Parental source of chromosome imprinting and its relevance for X chromosome inactivation. Lyon MF, et al. **Differentiation** 1984;26(1):63–7

Effects of mutagenized X chromosomes of Drosophila melanogaster on viability and fitness in males. Simmons MJ, et al. **Environ Mutagen** 1984;6(3):261–72

An autosomal gene that affects X chromosome expression and sex determination in Caenorhabditis elegans. Meneely PM, et al. **Genetics** 1984 Jan;106(1):29–44

DNA polymorphism of the RC8 sequence on the short arm of the X chromosome in a French population. Rahuel C, et al. **Hum Hered** 1984;34(1):59–61

X-linked resistance of mice to high doses of herpes simplex virus type 2 correlates with early interferon production. Pedersen EB, et al. **Infect Immun** 1983 Nov;42(2):740–6

Dosage compensation in Drosophila. Lucchesi JC. **Isozymes Curr Top Biol Med Res** 1983;9:179–88

Glucose-6-phosphate dehydrogenase as a probe for the study of X-chromosome inactivation in hunan females. Migeon BR. **Isozymes Curr Top Biol Med Res** 1983;9:189–200

X-chromosome inactivation and evolution in marsupials and other mammals. VandeBerg JL, et al. **Isozymes Curr Top Biol Med Res** 1983;9:201–18

Chromatin structure and transcriptional activity of an X-linked heat shock gene in drosophila pseudoobscura. Eissenberg JC, et al. **J Biol Chem** 1983 Nov 25; 258(22):13986–91

Developmental aspects of X chromosome inactivation in eutherian and metatherian mammals. Vandeberg JL. **J Exp Zool** 1983 Nov;228(2):271–86 (120 ref.)

Influence of Y and X chromosomes on B cell responses in autoimmune prone mice. Rosenberg YJ, et al. **J Immunol** 1984 Mar;132(3):1261–4

Identification and isolation of transcribed human X chromosome DNA sequences. Kunkel LM, et al. **Nucleic Acids Res** 1983 Nov 25;11(22):7961–79

The human c-Ha-ras2 is a processed pseudogene inactivated by numerous base substitutions. Miyoshi J, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1821–8

Chromatin structure of active and inactive human X chromosomes. Riley DE, et al. **Nucleic Acids Res** 1984 Feb 24;12(4):1829–45

Homologue destabilization by a putative transposable element in Drosophila melanogaster. Lim JK, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(21):6624–7

Methylation of the hypoxanthine phosphoribosyltransferase locus on the human X chromosome: implications for X-chromosome inactivation. Wolf SF, et al. **Proc Natl Acad Sci USA** 1984 May;81(9):2806–10

Evidence of autonomous red cell expression of Xga antigen in human bone marrow transplantation. Sparkes RS, et al. **Vox Sang** 1984;46(2):119–21

RADIATION EFFECTS

Effect of dose-rate on the frequency of X-linked lethal mutation in the nematode Panagrellus redivivus. Ager D, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):107–10

Estimation of mutation rates induced by large doses of gamma, proton and neutron irradiation of the X-chromosome of the nematode Panagrellus redivivus. Denich KT, et al. **Mutat Res** 1984 Jun–Jul;140(2–3):103–6

ULTRASTRUCTURE

Marker (X)-linked mental retardation. Turner G, et al. **Adv Hum Genet** 1983;13:83–112 (61 ref.)

Bends in human mitotic metaphase chromosomes, including a bend marking the X-inactivation center. Flejter WL, et al. **Am J Hum Genet** 1984 Jan;36(1):218–26

Chromosome banding patterns of four species of bats, with special reference to a case of X-autosome translocation. Kasahara S, et al. **Ann Genet (Paris)** 1983;26(4):197–201

Assignment of the haemophilia B (factor IX) locus to the q26-qter region of the X chromosome. Boyd Y, et al. **Ann Hum Genet** 1984 May;48 (Pt 2):145–52

The morphological sequence of XY pairing in the Norway rat Rattus norvegicus. Joseph AM, et al. **Chromosoma** 1984; 89(5):381–6

Molecular and genetic studies on the euchromatin-heterochromatin transition region of the X chromosome of Drosophila melanogaster. 1. A cloned entry point near to the uncoordinated (unc) locus. Miklos GL, et al. **Chromosoma** 1984;89(3):218–27

Two new X-autosome translocations in the mouse. Searle AG, et al. **Cytogenet Cell Genet** 1983;35(4):279–92

Comparison of expression of the fragile site at Xq27 in T and B lymphocytes. Marchese CA, et al. **Hum Genet** 1984; 67(2):213

Old and new genetics help ordering loci at the telomere of the human X-chromosome long arm. Purrello M, et al. **Hum Genet** 1984;65(3):295–9

X long-arm deletions. A review of non-mosaic cases studied with banding techniques. Skibsted L, et al. **Hum Genet** 1984;67(1):1–5

Selection and use of a method for the culture of blood leucocytes to reveal the fra(x) site. Haslam JS, et al. **J Clin Pathol** 1984 Apr;37(4):475–6

Spatial relationship of human X and Y chromosomes at somatic metaphase. Dosik D, et al. **J Med Genet** 1983 Dec; 20(6):450–1

The fragile X: a scanning electron microscope study. Harrison CJ, et al. **J Med Genet** 1983 Aug;20(4):280–5

Occurrence of a transposition from the X-chromosome long arm to the Y-chromosome short arm during human evolution. Page DC, et al. **Nature** 1984 Sep 13–19; 311(5982):119–23

Isolation and characterization of human random cDNA clones homologous to DNA from the X chromosome. Balazs I, et al. **Somatic Cell Mol Genet** 1984 Jul; 10(4):385–97

[Encephalopathy related to X fragility: neither inactivation nor deletion of the distal fragment q28 to qter. Enzymatic and morphometric evidence] Jalbert H, et al. **J Genet Hum** 1983 Jun;31(2):133–9 (Eng. Abstr.) **(Fre)**

X INACTIVATION see **DOSAGE COMPENSATION (GENETICS)**

X-RAY, DIAGNOSTIC see **RADIOGRAPHY**

X-RAY DIFFRACTION

Composition of upper urinary tract calculi stratifying by X-ray diffraction in 31 cases. Dong DX, et al. **Acta Acad Med Wuhan** 1984;4(1):37–40

Structural and functional aspects of domain motions in proteins. Bennett WS, et al. **CRC Crit Rev Biochem** 1984; 15(4):291–384 (436 ref.)

[Rotation isomerization of side chains of globular proteins and its effect on the x-ray scattering curves of proteins in a solution] Pavlov MIu, et al. **Biofizika** 1984 May–Jun; 29(3):516–23 (Eng. Abstr.) **(Rus)**

[X-ray analysis of pepsin. VI. Atomic structure of the enzyme at 2-angstrom resolution] Andreeva NS, et al. **Mol Biol (Mosk)** 1984 Mar–Apr;18(2):313–22 (Eng. Abstr.) **(Rus)**

METHODS

[X-ray crystal structure analysis] Takano T. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):98–110 **(Jpn)**

[Roentgenostructural phase analysis of urinary calculi. I. Introduction to the method] Trzaska-Durski Z, et al. **Pol Tyg Lek** 1983 Sep 12;38(37):1153-5 **(Pol)**

X-RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY EMISSION SPECTROMETRY, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY EMISSION SPECTROMETRY, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY FILM

Film salvage using digital processing. Sartoris DJ, et al. **AJR** 1984 Jun;142(6):1225-6

Comparative image quality of 105 mm and conventional spot films. Weaver KE, et al. **AJR** 1984 Mar;142(3):615-8

Double-exposed radiograph simulating C-spine fracture/dislocation [letter] Quinn S, et al. **Ann Emerg Med** 1984 Apr;13(4):302-3

The reduction of x-ray exposure in dental practice using rare-earth screen--fast film combinations. Greig DG. **Br Dent J** 1983 Jul 9;155(1):17-8

The use of a grid for dental radiography. Schwarz WD. **Br Dent J** 1984 Jul 7;157(1):26

Ektaspeed and a screen/film system compared with Ultra-Speed in the interpretation of early proximal caries. Kogon SL, et al. **Can Dent Assoc J** 1984 May;50(5):397-401

Comparison of xeroradiographs and film for detection of proximal surface caries. White SC, et al. **J Am Dent Assoc** 1984 May;108(5):755-9

Speeds of film-screen combinations for radiography. Holloway AF, et al. **J Can Assoc Radiol** 1983 Dec; 34(4):331-4

Comparison of xeroradiographs and film for detection of periapical lesions. White SC, et al. **J Dent Res** 1984 Jun; 63(6):910-3

A clinical comparison of speed group D and E dental x-ray films. Horton PS, et al. **Oral Surg** 1984 Jul;58(1):104-8

Densitometric evaluation of three x-ray films with five different developing solutions. Kaffe I, et al. **Oral Surg** 1984 Feb;57(2):207-11

Densitometric evaluation of intraoral x-ray films: Ektaspeed versus Ultraspeed. Kaffe I, et al. **Oral Surg** 1984 Mar; 57(3):338-42

Detection of proximal carious lesions: two-film versus four-film bitewing radiography. Kaffe I, et al. **Oral Surg** 1984 May;57(5):567-71

A clinical trial of a rare earth screen/film system in a periapical cassette. Kogon SL, et al. **Oral Surg** 1984 Apr; 57(4):455-61

Variations in film exposure, effective kVp, and HVL among thirty-five dental x-ray units. Preece JW, et al. **Oral Surg** 1983 Dec;56(6):655-61

Effects of solution depletion on films developed in the Peri-Pro automatic processor. Thunthy KH, et al. **Oral Surg** 1984 Jan;57(1):102-5

Light fog: picture of a problem. Malott JC, et al. **Radiol Technol** 1984 Mar-Apr;55(4):105-6

Radiographic film fog in the darkroom. Suleiman OH, et al. **Radiology** 1984 Apr;151(1):237-8

[A simple technic for the reproduction of radiograph transparencies] Beziat JL, et al. **Rev Stomatol Chir Maxillofac** 1984;85(1):75-6 (Eng. Abstr.) **(Fre)**

[Clinical tests of mammography using film-foil combinations. 3. Comparative studies using ROC analysis] Wurm J, et al. **Rontgenpraxis** 1983 Jul;36(7):225-31 **(Ger)**

[Intraoperative roentgen study in kidney calculus operations with Polaroid-57 Land film] Groen JM, et al. **Urologe [Ausg A]** 1984 Mar;23(2):105-6 (Eng. Abstr.) **(Ger)**

[Contrast characteristics of Kodak Ektaspeed and ultra speed periapical films] Okano T, et al. **Kokubyo Gakkai Zasshi** 1983 Jun;50(2):338-42 **(Jpn)**

[Pneumonia-mimicking shadows caused by inadequate techniques] Yamamoto A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Feb;22(2):160-4 (Eng. Abstr.) **(Jpn)**

[Effectiveness of record files and systematized archives of fluorograms in mass preventive examinations for tuberculosis] Chaika VS, et al. **Probl Tuberk** 1984 Apr; (4):17-20 (Eng. Abstr.) **(Rus)**

[Method of making copies and photocopies of roentgenograms] Parizhskii ZM. **Vestn Rentgenol Radiol** 1984 Mar-Apr;(2):85 **(Rus)**

STANDARDS

[Complex evaluation of film mammography imaging systems. I. Methodological principles] Friedrich M, et al. **ROFO** 1984 May;140(5):585-96 (Eng. Abstr.) **(Ger)**

X-RAY FLUORESCENCE SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY INTENSIFYING SCREENS see under **RADIOGRAPHIC IMAGE ENHANCEMENT**

X-RAY MICROANALYSIS, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY MICROANALYSIS, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY THERAPY see under **RADIOTHERAPY**

X-RAY TOMOGRAPHY see **TOMOGRAPHY, X-RAY**

X-RAY TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

X-RAYS see under **RADIATION, IONIZING**

XANTHENES

Orthochromatic and metachromatic staining reactions by pyronin Y on Epon semithin sections. Armas-Portela R, et al. **Acta Histochem (Jena)** 1984;74(1):1-4

Determination of fluorophor-labeled compounds based on peroxyoxalate chemiluminescence. Grayeski ML, et al. **Anal Biochem** 1984 Feb;136(2):277-84

New class of sensitive and selective fluorogenic substrates for serine proteinases. Amino acid and dipeptide derivatives of rhodamine. Leytus SP, et al. **Biochem J** 1983 Nov 1; 215(2):253-60

Visualization of actin in situ by rhodamine-conjugated phalloin in the fungus Uromyces phaseoli. Hoch HC, et al. **Eur J Cell Biol** 1983 Nov;32(1):52-8

Fluorescein conjugates as indicators of subcellular pH. A critical evaluation. Geisow MJ. **Exp Cell Res** 1984 Jan; 150(1):29-35

Calmodulin purification and fluorescent labeling. Dedman JR, et al. **Methods Enzymol** 1983;102:1-8

Photoelectron microscopy and photoelectron quantum yields of the fluorescent dyes fluorescein and rhodamine. Griffith OH, et al. **Ultramicroscopy** 1983-84;12(4):299-307

ADMINISTRATION & DOSAGE

[The use of mepixantone in general anesthesia] Bertoldi G, et al. **Minerva Anestesiol** 1983 Jun;49(6):385-8 (Eng. Abstr.) **(Ita)**

ANALYSIS

Two sites of intracellular localization of rhodaminyl-phalloidin in hepatocytes. Mayer D, et al. **Biol Cell** 1983;48(2-3):143-50

Spectrophotometric characteristics and assay of pure pyronin Y. Jakobsen P, et al. **Histochemistry** 1984;81(1):99-101

BIOSYNTHESIS

The conversion of sterigmatocystin to O-methylsterigmatocystin and aflatoxin B1 by a cell-free preparation. Jeenah MS, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1114-8

CHEMICAL SYNTHESIS

Synthesis and some biological properties of substituted xanthone-2-carboxylic acids. Eckstein M, et al. **Pol J Pharmacol Pharm** 1983;35(2):159-67

[Synthesis of derivatives of xanthene-2-carboxylic acid and xanthone-2-carboxylic acid] Liang XT, et al. **Yao Hsueh Hsueh Pao** 1984 Jan;19(1):41-7 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

Investigations on the development and topographic order of retinotectal axons: anterograde and retrograde staining of axons and perikarya with rhodamine in vivo. Thanos S, et al. **J Comp Neurol** 1983 Oct 1;219(4):420-30

The preparation and use of fluorescent-protein conjugates for microvascular research. McDonagh PF, et al. **Microvasc Res** 1984 Jan;27(1):14-27

METABOLISM

The conversion of sterigmatocystin to O-methylsterigmatocystin and aflatoxin B1 by a cell-free preparation. Jeenah MS, et al. **Biochem Biophys Res Commun** 1983 Nov 15;116(3):1114-8

Staining of Plasmodium yoelii-infected mouse erythrocytes with the fluorescent dye rhodamine 123. Tanabe K. **J Protozool** 1983 Nov;30(4):707-10

PHARMACODYNAMICS

Effects of the mitochondrial probe rhodamine 123 and related analogs on the function and viability of pulsating myocardial cells in culture. Lampidis TJ, et al. **Agents Actions** 1984 Jun;14(5-6):751-7

Rhodamine 123 inhibits bioenergetic function in isolated rat liver mitochondria. Modica-Napolitano JS, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):717-23

Rhodamine B as a test molecule in intraocular dynamics. Guss R, et al. **Invest Ophthalmol Vis Sci** 1984 Jun; 25(6):758-62

Inhibitory effect of rhodamine 123 on the growth of the rodent malaria parasite, Plasmodium yoelii. Tanabe K. **J Protozool** 1984 May;31(2):310-3

Modification of the haemoglobin oxygen dissociation curve in whole blood by a compound with dual action. Hyde RM, et al. **Lancet** 1984 Jul 7;2(8393):15-6

Chromosomal aberrations and SCEs in Allium cepa root-tip cells treated with caffeine and pyronin Y. Cortés F, et al. **Mutat Res** 1984 Jul;127(2):119-22

[Interaction of diS-C3-(5) and ethylrhodamine with lymphocyte mitochondria] Bakeeva LE, et al. **Biokhimiia** 1983 Sep;48(9):1463-70 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Anticarcinoma activity in vivo of rhodamine 123, a mitochondrial-specific dye. Bernal SD, et al. **Science** 1983 Oct 14;222(4620):169-72

TOXICITY

Inhibition by secalonic acid D of oxidative phosphorylation and Ca2+-induced swelling in mitochondria isolated from rat livers. Kawai K, et al. **Appl Environ Microbiol** 1983 Oct;46(4):793-6

Interaction of secalonic acid D with phenobarbital, 3-methyl cholanthrene, and SKF-525A in mice. Reddy CS, et al. **J Toxicol Environ Health** 1983 Oct-Dec;12(4-6):687-94

Induction of sister-chromatid exchanges in vivo in mice by the mycotoxins sterigmatocystin and griseofulvin. Curry PT, et al. **Mutat Res** 1984 Aug-Sep;137(2-3):111-5

Acute cytogenetic effect of sterigmatocystin on rat bone-marrow cells in vivo. Ueda N, et al. **Mutat Res** 1984 Apr;139(4):203-6

XANTHINE ALKALOIDS

PHARMACODYNAMICS

Inhibition of the transport of adenosine, other nucleosides and hypoxanthine in novikoff rat hepatoma cells by methylxanthines, papaverine, N6-cyclohexyladenosine and N6-phenylisopropyladenosine. Plagemann PG, et al. **Biochem Pharmacol** 1984 Jun 1;33(11):1783-8

XANTHINE DEHYDROGENASE see under **KETONE OXIDOREDUCTASES**

XANTHINE OXIDASE

Immobilization of xanthine oxidase to controlled pore-glass. Application to high-performance liquid chromatography. Tawa R, et al. **Nucleic Acids Symp Ser** 1983;(12):107-10

[Molybdo-oxidases and their models] Ueyama N, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):189-99 (76 ref.) **(Jpn)**

ANALYSIS

Electrophoretic analyses of alcohol dehydrogenase, aldehyde dehydrogenase, aldehyde reductase, aldehyde oxidase and xanthine oxidase from horse tissues. Seeley TL, et al. **Comp Biochem Physiol [B]** 1984;78(1):131-9

Xanthine oxidase, an indicator of secretory differentiation in mammary cells. Ringo DL, et al. **Exp Cell Res** 1983 Aug;147(1):216-20

ANTAGONISTS & INHIBITORS

The structure of the inhibitory complex of alloxanthine (1H-pyrazolo[3,4-d]pyrimidine-4,6-diol) with the molybdenum centre of xanthine oxidase from electron-paramagnetic-resonance spectroscopy. Hawkes TR, et al. **Biochem J** 1984 Mar 15;218(3):961-8

Inhibition of xanthine oxidase by various aldehydes. Morpeth FF, et al. **Biochemistry** 1984 Mar 13;23(6):1332-8

Inhibitors of xanthine oxidase from the flowers and buds of Daphne genkwa. Noro T, et al. **Chem Pharm Bull (Tokyo)** 1983 Nov;31(11):3984-7

The inhibition of xanthine oxidase by 8-bromoxanthine. Hille R, et al. **J Biol Chem** 1984 Feb 10;259(3):1570-6

Inhibition of mammalian xanthine oxidase by folate compounds and amethopterin. Lewis AS, et al. **J Biol Chem** 1984 Jan 10;259(1):12-5

Folic acid does not inactivate xanthine oxidase. Spector T, et al. **J Biol Chem** 1984 Sep 10;259(17):10784-6

Isomeric N-methyl-7-deazaguanines: synthesis, structural assignment, and inhibitory activity on xanthine oxidase. Seela F, et al. **J Med Chem** 1984 Aug;27(8):981-5

DEFICIENCY

Clinicobiochemical analysis of four cases of xanthine oxidase deficiency. Nishioka K, et al. **Adv Exp Med Biol** 1984;165 Pt A:73-6

Allopurinol metabolism in a patient with xanthine oxidase deficiency. Yamanaka H, et al. **Ann Rheum Dis** 1983 Dec; 42(6):684-6

Xanthine oxidase deficiency and 'Dalmatian' hypouricaemia: incidence and effect of exercise. Harkness RA, et al. **J Inherited Metab Dis** 1983;6(3):114-20

Effect of molybdenum-deficient and low iron diets on xanthine oxidase activity and iron status in rats. Kelley MK, et al. **J Nutr** 1984 Sep;114(9):1652-9

Antenatal diagnosis of combined xanthine and sulphite oxidase deficiencies [letter] Ogier H, et al. **Lancet** 1983 Dec 10;2(8363):1363-4

[Xanthinuria. New Report. Review of the literature] García Medina A, et al. **An Esp Pediatr** 1983 Oct;19(4):315-23

(Eng. Abstr.) (Spa)
[Familial xanthinuria, 2 new cases] Pereg Macazaga V, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):364–5 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

Fluorometric determination of hypoxanthine and xanthine in biological fluids by high-performance liquid chromatography using enzyme reactors. Kito M, et al. **J Chromatogr** 1983 Nov 11;278(1):35–42

IMMUNOLOGY

Characterization of a monoclonal antibody to bovine xanthine oxidase. Kaetzel CS, et al. **Biochem J** 1984 May 1;219(3):917–25
High concentrations of antibodies to xanthine oxidase in human and animal sera. Molecular characterization. Bruder G, et al. **J Clin Invest** 1984 Sep;74(3):783–94

METABOLISM

Imprinting by the neonatal testis: a mechanism for sexual dimorphism of rat liver xanthine oxidase. Levinson DJ, et al. **Adv Exp Med Biol** 1984;165 Pt A:519–23
Biochemical mechanisms for sex specific differences of rat liver xanthine oxidase. Levinson DJ, et al. **Adv Exp Med Biol** 1984;165 Pt A:511–7
Combined use of radioenzymatic assay and high pressure liquid chromatography for the detection of myocardial xanthine oxidase/dehydrogenase. Schoutsen B, et al. **Adv Exp Med Biol** 1984;165 Pt B:497–500
The role of iron chelates in hydroxyl radical production by rat liver microsomes, NADPH-cytochrome P-450 reductase and xanthine oxidase. Winston GW, et al. **Arch Biochem Biophys** 1984 Jul;232(1):378–90
Formation of novel nitrofuran metabolites in xanthine oxidase-catalyzed reduction of methyl 5-nitro-2-furoate. Yamada H, et al. **Arch Biochem Biophys** 1984 Jul; 232(1):234–9
Enhanced xanthine oxidase activity in mice treated with interferon and interferon inducers. Ghezzi P, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):144–9
Quantitative transfer of the molybdenum cofactor from xanthine oxidase and from sulphite oxidase to the deficient enzyme of the nit-1 mutant of Neurospora crassa to yield active nitrate reductase. Hawkes TR, et al. **Biochem J** 1984 Apr 15;219(2):481–93
The effect of pH on the exchangeability with deuterium of protons coupled to molybdenum(V) in the active and the desulpho forms of xanthine oxidase. Malthouse JP, et al. **Biochem J** 1983 Oct 1;215(1):101–6
Formamide as a substrate of xanthine oxidase. Morpeth FF, et al. **Biochem J** 1984 May 15;220(1):235–42
Xanthine:NAD+ oxidoreductase in the liver of grass snake Natrix natrix. Kamiński ZW, et al. **Comp Biochem Physiol [B]** 1984;78(2):447–51
Killing of Plasmodium yoelii by enzyme-induced products of the oxidative burst. Dockrell HM, et al. **Infect Immun** 1984 Feb;43(2):451–6
The reaction of xanthine oxidase with lumazine. Characterization of the reductive half-reaction. Davis MD, et al. **J Biol Chem** 1984 Mar 25;259(6):3526–33
Damaging effects of oxygen radicals on resealed erythrocyte ghosts. Girotti AW, et al. **J Biol Chem** 1984 Feb 10; 259(3):1744–52
Iron-catalyzed hydroxyl radical formation. Stringent requirement for free iron coordination site. Graf E, et al. **J Biol Chem** 1984 Mar 25;259(6):3620–4
Reductive activation of mitomycin C and mitomycin C metabolites catalyzed by NADPH-cytochrome P-450 reductase and xanthine oxidase. Pan SS, et al. **J Biol Chem** 1984 Jan 25;259(2):959–66
6-Deoxyacyclovir: a xanthine oxidase-activated prodrug of acyclovir. Krenitsky TA, et al. **Proc Natl Acad Sci USA** 1984 May;81(10):3209–13
Stimulation of endothelial cells by protease activity in commercial preparations of xanthine oxidase. Ager A, et al. **Thromb Res** 1984 Jul 1;35(1):43–52
[Xanthine oxidase activity: NAD+-dependent and O2-dependent forms in carrageenan granuloma in the rat] Auscher C, et al. **C R Seances Acad Sci [III]** 1983; 297(6):351–4 (Eng. Abstr.) (Fre)
[Relation of the nitrate reductase activity of xanthine oxidase to the oxidase and dehydrogenase forms of the enzyme] Sergeev NS, et al. **Dokl Akad Nauk SSSR** 1983; 272(4):984–6 (Rus)

PHARMACODYNAMICS

The effect of reactive oxygen metabolites (ROM) on the attachment and ingestion phases of C3b- and IgG-mediated phagocytosis by macrophages. Thaw HH, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jan; 92(1):1–8
Oxygen metabolites stimulate thromboxane production and vasoconstriction in isolated saline-perfused rabbit lungs. Tate RM, et al. **J Clin Invest** 1984 Aug;74(2):608–13
Brain injury, edema, and vascular permeability changes induced by oxygen-derived free radicals. Chan PH, et al. **Neurology (NY)** 1984 Mar;34(3):315–20

TOXICITY

Chromosome damage caused by enzymically generated active oxygen species. Phillips BJ, et al. **Dev Toxicol Environ Sci** 1983;11:371–4
Chromosomal aberrations in V79 cells induced by superoxide radical generated by the hypoxanthine-xanthine oxidase system. Iwata K, et al. **Toxicol Lett** 1984 Jul;22(1):75–81
[Xanthine oxidase in homogenized cow's milk and Oster's hypothesis: a review] Sieber R. **Z Ernahrungswiss** 1983 Dec;22(4):219–33 (109 ref.) (Eng. Abstr.) (Ger)

XANTHINES

ADMINISTRATION & DOSAGE

On the mechanism by which methylxanthines enhance apomorphine-induced rotation behaviour in the rat. Fredholm BB, et al. **Pharmacol Biochem Behav** 1983 Sep; 19(3):535–41

ADVERSE EFFECTS

More on combined beta-agonists and methylxanthines in asthma [letter] Lehr D, et al. **N Engl J Med** 1983 Dec 22;309(25):1581–2

ANALYSIS

Separation and quantitation of oxypurines by isocratic high-pressure liquid chromatography: application to xanthinuria and the Lesch-Nyhan syndrome. Crawhall JC, et al. **Biochem Med** 1983 Oct;30(2):261–70
Simultaneous determination of allopurinol, oxipurinol, hypoxanthine and xanthine in biological fluids by high-performance liquid chromatography. Boulieu R, et al. **J Chromatogr** 1984 May 11;307(2):469–74
Fluorometric determination of hypoxanthine and xanthine in biological fluids by high-performance liquid chromatography using enzyme reactors. Kito M, et al. **J Chromatogr** 1983 Nov 11;278(1):35–42

BLOOD

Protein binding of enprofylline. Tegnér K, et al. **Eur J Clin Pharmacol** 1983;25(5):703–8
[Methylxanthine determinations (HPLC) in clinical practice—observations of serum concentrations and lung function time curves] Schmitz-Schumann M. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:918–21 (Eng. Abstr.) (Ger)

CEREBROSPINAL FLUID

Cerebrospinal fluid hypoxanthine and xanthine concentrations as indicators of metabolic damage due to raised intracranial pressure in hydrocephalic children. Levin SD, et al. **J Neurol Neurosurg Psychiatry** 1984 Jul; 47(7):730–3
Brain purinergic activity linked with depressive symptomatology: hypoxanthine and xanthine in CSF of patients with major depressive disorders. Agren H, et al. **Psychiatry Res** 1983 Jul;9(3):179–89

METABOLISM

Enprofylline kinetics in healthy subjects after single doses. Borgå O, et al. **Clin Pharmacol Ther** 1983 Dec; 34(6):799–804
Pharmacokinetics of enprofylline in patients with impaired renal function after a single intravenous dose. Lunell E, et al. **Eur J Clin Pharmacol** 1984;26(1):87–93
[Xanthine lithiasis in a case of Lesch-Nyhan syndrome treated with allopurinol] Loris Pablo C, et al. **An Esp Pediatr** 1983 Nov;19(5):401–4 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

The effect of alkylxanthines and other phosphodiesterase inhibitors on adenosine-receptor mediated decrease in lipolysis and cyclic AMP accumulation in rat fat cells. Fredholm BB, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jan;54(1):64–71
Tolerance and some circulatory effects of intravenous and oral enprofylline in healthy volunteers. Lunell E, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):205–11
Effects on aggregation of human platelets of two xanthines and their interactions with adenosine. Vinge E, et al. **Acta Physiol Scand** 1984 Jan;120(1):117–21
Calcium complexes of xanthine derivatives: a new aspect of the mode of action of haemorheologically active drugs. Elben U, et al. **Arzneimittelforsch** 1984;34(3):253–5
Inhibition of soluble 5'-nucleotidase from rat brain by different xanthine derivatives. Fredholm BB, et al. **Biochem Pharmacol** 1983 Sep 15;32(18):2832–4
Theophylline-like properties of xanthine analogs. Levallois C, et al. **Biochem Pharmacol** 1984 Jul 15;33(14):2253–7
Evidence that the positive inotropic effects of the alkylxanthines are not due to adenosine receptor blockade. Collis MG, et al. **Br J Pharmacol** 1984 Feb;81(2):401–7
Increase in plasma free fatty acids and natriuresis by xanthines may reflect adenosine antagonism. Andersson KE, et al. **Eur J Clin Pharmacol** 1984;26(1):33–8
Further studies on the inhibition of adenosine uptake into rat brain synaptosomes by adenosine derivatives and methylxanthines. Wu PH, et al. **Gen Pharmacol** 1984; 15(3):251–4
Adenosine as a bronchoconstrictor mediator in asthma and its antagonism by methylxanthines. Holgate ST, et al. **J Allergy Clin Immunol** 1984 Sep;74(3 Pt 1):302–6
The inhibition of xanthine oxidase by 8-bromoxanthine. Hille R, et al. **J Biol Chem** 1984 Feb 10;259(3):1570–6
Characterization of basal and methylxanthine-stimulated Ca2+ transport in abalone spermatozoa. Kopf GS, et al. **J Biol Chem** 1984 May 10;259(9):5514–20
Positive inotropic and chronotropic effects and coronary vasodilation in vitro by two antiasthmatic xanthines with different abilities to antagonize adenosine. Persson CG, et al. **J Cardiovasc Pharmacol** 1983 Sep-Oct;5(5):778–85
Influence of some common methylxanthines on contractile responses and calcium mobilization of ileal, vas deferens and bladder smooth muscle. Huddart H, et al. **J Exp Biol** 1983 Nov;107:73–93
Dissociation of effects of xanthine analogs on renal prostaglandins and renal excretory function in the awake rat. Baer PG, et al. **J Pharmacol Exp Ther** 1983 Dec; 227(3):600–4
Interactions in the behavioral effects of methylxanthines and adenosine derivatives. Katims JJ, et al. **J Pharmacol Exp Ther** 1983 Oct;227(1):167–73
Hormone and methylxanthine action on breast epithelial cells. Barber R, et al. **Life Sci** 1984 Jun 18;34(25):2467–76
The effects of alkylated xanthines on cyclic AMP accumulation in dog thyroid slices exposed to carbamylcholine. Miot F, et al. **Mol Pharmacol** 1984 Mar; 25(2):261–6

RADIATION EFFECTS

Pulse radiolysis study of hypoxanthine and xanthine oxidation. Santamaria J, et al. **Adv Exp Med Biol** 1984;165 Pt A:185–8
ESR of a nitroxide radical and its radical pair in irradiated 1-hydroxyxanthine single crystals. Sogabe K, et al. **Radiat Res** 1984 Mar;97(3):443–51

THERAPEUTIC USE

Combined methylxanthines and beta-adrenergic agonists in the treatment of severe asthma. Morell F, et al. **Drug Intell Clin Pharm** 1983 Nov;17(11):820–1
Intravenous enprofylline in asthma patients. Lunell E, et al. **Eur J Respir Dis** 1984 Jan;65(1):28–34
Concomitant use of beta adrenergic agonists and methylxanthines. Nicklas RA, et al. **J Allergy Clin Immunol** 1984 Jan;73(1 Pt 1):20–4
Enhanced lethality by methylxanthines in human bladder cancer cells treated with thiotepa. Fingert HJ, et al. **J Urol** 1984 Sep;132(3):609–13
[Effect and tolerance of various methylxanthines in airway obstruction] Schlanstein A, et al. **Prax Klin Pneumol** 1983 Oct;37 Suppl 1:914–7 (Eng. Abstr.) (Ger)

TOXICITY

Potentiating effects of methylxanthines on teratogenicity of mitomycin C in mice. Nakatsuka T, et al. **Teratology** 1983 Oct;28(2):243–7
Toxic effects of some xanthine derivatives with special emphasis on adverse effects on rat testes. Dahlbäck M, et al. **Toxicology** 1984 Jul;32(1):23–35

URINE

Biochemical studies on the purine metabolism of four cases with hereditary xanthinuria. Kojima T, et al. **Clin Chim Acta** 1984 Feb 28;137(2):189–98
[Two cases of xanthinuria in brothers] Kono H, et al. **Nippon Naika Gakkai Zasshi** 1984 Jan;73(1):33–8 (Jpn)
[Familial xanthinuria, 2 new cases] Pereg Macazaga V, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):364–5 (Eng. Abstr.) (Spa)
[Degradation of purine nucleotides in hereditary xanthinuria by rapid infusion of fructose: preliminary results] Posada I, et al. **Med Clin (Barc)** 1983 Nov 5;81(14):615–7 (Eng. Abstr.) (Spa)

XANTHINOL NIACINATE see under **THEOPHYLLINE**

XANTHOGRANULOMA, JUVENILE see **XANTHOMA, JUVENILE**

XANTHOMA, JUVENILE

[Juvenile xanthogranuloma of the iris. Apropos of a case] Grange JD, et al. **Bull Mem Soc Fr Ophtalmol** 1983; 95:471–5 (Fre)

BLOOD

[Idiopathic juvenile cutaneous xanthomatosis with normal blood lipids and low levels of high density lipoprotein-cholesterol (letter)] Rouffy J, et al. **Presse Med** 1984 Apr 21;13(17):1099–100 (Fre)

COMPLICATIONS

Association of juvenile xanthogranuloma with juvenile myeloid leukemia. Cooper PH, et al. **Arch Dermatol** 1984 Mar;120(3):371–5
[Acute myelomonocytic leukemias in children with

xanthomas. Xantholeukemia] Leverger G, et al. **Arch Fr Pediatr** 1984 Mar;41(3):179–84 (Eng. Abstr.) **(Fre)**

[Xanthoma, neurofibromatosis and leukemia in children] Song M, et al. **Dermatologica** 1984;168(3):138–40 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Case of congenital xanthogranulomatosis in a newborn infant] Belan IuB. **Pediatriia** 1983 Jun;(6):68 **(Rus)**

DIAGNOSIS

Juvenile xanthogranuloma with Darier's sign. Nagayo K, et al. **J Dermatol (Tokyo)** 1983 Jun;10(3):283–5

Usefulness of enzyme–I and immunohistochemistry in the diagnosis of juvenile xanthogranuloma. De Wolf–Peeters C, et al. **J Pathol** 1984 Jul;143(3):205–9

[Xanthogranulomatous pyelonephritis in children. Report of 4 cases] Renouard C, et al. **Chir Pediatr** 1983;24(6):404–10 (Eng. Abstr.) **(Fre)**

[Testicular xanthogranuloma juvenile] Wronecki K, et al. **Pol Tyg Lek** 1984 Jan 9;39(2):51–3 (Eng. Abstr.) **(Pol)**

[Xanthogranulomatous pyelonephritis in childhood: analysis of 4 cases] Vázquez Martul M, et al. **An Esp Pediatr** 1984 May;20(8):777–82 (Eng. Abstr.) **(Spa)**

[Renal pseudotumor caused by xanthogranulomatous pyelonephritis in a girl] Jiménez Alvarez C, et al. **Arch Esp Urol** 1984 May–Jun;37(3):255–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Adult limbal xanthogranuloma. Collum LM, et al. **Br J Ophthalmol** 1984 May;68(5):360–3

RADIOGRAPHY

Radiological case of the month: xanthogranulomatous pyelonephritis. Dearlove J, et al. **Am J Dis Child** 1983 Dec; 137(12):1195–7

SURGERY

Tendinous xanthomatosis—a case report. Singh M, et al. **Indian J Pediatr** 1983 Jan–Feb;50(402):89–91

XANTHOMATOSIS

BLOOD

[Xanthoma and atherosclerosis in the presence of normal plasma lipids] Davignon J, et al. **Ann Med Interne (Paris)** 1983;134(5):483–91 (Eng. Abstr.) **(Fre)**

[Dyslipoproteinemic xanthoma] Chanu B, et al. **Pathol Biol (Paris)** 1983 Sep;31(7):613–21 (46 ref.) (Eng. Abstr.) **(Fre)**

[Dyslipoproteinemic xanthomas] Chanu B, et al. **Sem Hop Paris** 1984 Jan 19;60(2):131–9 (46 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Familial type IIa hyperlipoproteinemia associated with a huge intracranial xanthoma. Akazawa S, et al. **Arch Neurol** 1984 Jul;41(7):793–4

Eruptive xanthomata in type V hyperlipoproteinaemia associated with diabetes mellitus. Archer CB, et al. **Clin Exp Dermatol** 1984 May;9(3):312–6

Xanthogranulomatous pyelonephritis with bilharzial ureteric obstruction. Katchy KC, et al. **East Afr Med J** 1983 Sep; 60(9):645–8

Familial hyperlipidaemia with xanthomas. Two case reports with review of literature. Tharakarm S, et al. **Indian J Dermatol** 1983 Oct;28(4):177–81

Xanthoma tendinosum in a normolipemic ectodermal dysplasia patient. Jalava S, et al. **Scand J Rheumatol** 1984; 13(2):133–9

Xanthogranulomatous pyelonephritis with associated renal cell carcinoma. Goulding FJ, et al. **Urology** 1984 Apr; 23(4):385–6

[Intermittent claudication, coronary heart disease and xanthomas] Weisweiler P, et al. **Internist (Berlin)** 1983 Oct; 24(10):594–6 **(Ger)**

[Necrobiotic xanthogranuloma with paraproteinemia] Kocsard E. **G Ital Dermatol Venereol** 1983 Jul–Aug; 118(4):219–22 (Eng. Abstr.) **(Ita)**

[Case of gastrin–producing carcinoid, adenocarcinoma and xanthoma of the stomach] Kanabe S, et al. **Gan No Rinsho** 1983 Oct;29(12):1466–70 (Eng. Abstr.) **(Jpn)**

[Case of diffuse normolipemic plane xanthoma associated with multiple myeloma and radiographically confirmed pulmonary fibrosis] Miyamoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1983 Jun; 21(6):574–81 (Eng. Abstr.) **(Jpn)**

[A case of familiar type IIa hyperlipoproteinemia with intracranial xanthoma] Fukushima M, et al. **No To Shinkei** 1984 Apr;36(4):375–81 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Normolipemic subcutaneous xanthomatosis. Fleischmajer R, et al. **Am J Med** 1983 Dec;75(6):1065–70

Capillary gas chromatographic determination of cholestanol/cholesterol ratio in biological fluids. Its potential usefulness for the follow–up of some liver diseases and its lack of specificity in diagnosing CTX (cerebrotendinous xanthomatosis). Koopman BJ, et al. **Clin Chim Acta** 1984 Mar 13;137(3):305–15

Xanthogranulomatous pyelonephritis presenting as a psoas abscess. Grainger R, et al. **Ir Med J** 1984 Feb;77(2):43–4

Xanthogranulomatous pyelonephritis (report of 2 cases). Kant K, et al. **J Postgrad Med** 1984 Jan;30(1):42–5

Atypical presentation of xanthogranulomatous pyelonephritis: diagnosis by ultrasonography and fine needle aspiration biopsy. Lizza EF, et al. **J Urol** 1984 Jul; 132(1):95–7

[Xanthomatous cells in inflammatory linear verrucous epidermal nevus or nevoid verruciform xanthoma?] Haustein UF. **Dermatol Monatsschr** 1984;170(7):475–8 **(Ger)**

[Xanthomatosis palpebro–cerebralis—clinical variants of the Hand–Schüller–Christian syndrome] Moro F, et al. **Fortschr Ophthalmol** 1983;80(5):429–31 (Eng. Abstr.) **(Ger)**

[Xanthogranulomatous cholecystitis] Gockel HP. **ROFO** 1984 Feb;140(2):223–4 **(Ger)**

[Xanthoma disseminatum—differentiation from histiocytosis X with immunohistochemical demonstration of S100 protein, lysozyme and NCA] Morishima T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Apr;94(5):569–74 **(Jpn)**

[Xanthogranulomatous pyelonephritis in children: experience at the Children's Hospital of Mexico. Report of 17 cases and review of the literature] Bulnes D, et al. **Bol Med Hosp Infant Mex** 1983 Aug;40 Suppl 2:63–75 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Lysosomal functions in experimental xanthoma tissues of rabbits—with special reference to acid cholesterol esterase] Akagi O. **Nippon Hifuka Gakkai Zasshi** 1983 Jul; 93(8):859–70 **(Jpn)**

ETIOLOGY

The Koebner response with eruptive xanthomas [letter] Goldstein GD. **J Am Acad Dermatol** 1984 Jun;10(6):1064–5

Orbital manifestations of Erdheim–Chester disease. Alper MG, et al. **Trans Am Ophthalmol Soc** 1983;81:64–85

Xanthogranulomatous pyelonephritis in renal transplant recipient. Carson CC, et al. **Urology** 1984 Jan;23(1):58–61

[Hyperlipoproteinemia due to congenital bile duct atresia with unusually located tuberous xanthoma] László A, et al. **Z Hautkr** 1983 Sep 1;58(17):1248–54 (Eng. Abstr.) **(Ger)**

[Xanthomatosis as one of the manifestations of lipidoses] Kustova NI, et al. **Klin Med (Mosk)** 1984 Apr;62(4):132–5 **(Rus)**

[Xanthomatosis in patients with hyperlipoproteinemia] Kušić M, et al. **Zb Vojnomed Akad** 1982;24:14–8 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

Familial hyperlipidaemia with multiple xanthomatosis and euthyroid sick syndrome. Verma KC, et al. **Indian Heart J** 1984 Mar–Apr;36(2):124–6

[Two cases of familial cerebrotendinous xanthomatosis—intrahepatic enzyme assay and therapeutic trial with chenodeoxycholic acid] Orimo S, et al. **Rinsho Shinkeigaku** 1984 Jan;24(1):38–44 (Eng. Abstr.) **(Jpn)**

METABOLISM

Isolation of 5 alpha–cholestane–3 beta, 7 alpha–diol from bile of patients with cerebrotendinous xanthomatosis. Inefficiency of this steroid as a precursor to cholestanol. Björkhem I, et al. **Biochim Biophys Acta** 1983 Sep 20; 753(2):220–6

Lipid abnormalities of xanthomatous nerves. Yao JK, et al. **Brain** 1984 Jun;107 (Pt 2):597–603

Transformation of 4–cholesten–3–one and 7 alpha–hydroxy–4–cholesten–3–one into cholestanol and bile acids in cerebrotendinous xanthomatosis. Salen G, et al. **Gastroenterology** 1984 Aug;87(2):276–83

PATHOLOGY

Xanthomas of Achilles tendon. A case report. van Kampen A, et al. **Acta Orthop Belg** 1984 Jan–Feb;50(1):101–6

Lipid storage disease: Part I. Ultrastructure of xanthoma cells in various xanthomatous diseases. Takahashi K, et al. **Acta Pathol Jpn** 1983 Sep;33(5):959–77

Unknown giant cell lesion 11 years after successful treatment of retinoblastoma [letter] Hamburg A, et al. **Am J Ophthalmol** 1984 May;97(5):652–4

Ophthalmic features of necrobiotic xanthogranuloma with paraproteinemia. Robertson DM, et al. **Am J Ophthalmol** 1984 Feb;97(2):173–83

Xanthogranulomatous cholecystitis containing ceroid [letter] Gal R, et al. **Arch Pathol Lab Med** 1984 Oct;108(10):774–5

Intraosseous xanthoma associated with hyperlipoproteinemia. A case report. Inserra S, et al. **Clin Orthop** 1984 Jul–Aug; (187):218–22

Xanthogranulomatous pyelonephritis: a pathological, clinical and aetiological analysis of 87 cases. Parsons MA, et al. **Diagn Histopathol** 1983 Jul–Dec;6(3–4):203–19

Symptomatic xanthogranuloma of the third ventricle: a clinicopathological report. Gherardi R, et al. **Eur Neurol** 1984;23(3):156–62

Association of xanthogranulomatous pyelonephritis with small renal cell carcinoma. Case report and review of the literature. Piscioli F, et al. **Eur Urol** 1984;10(1):62–6

Pyelonephritis of the xanthogranulomatous type. Geethanjali S, et al. **Indian J Pathol Microbiol** 1983 Oct;26(4):265–72

Xanthogranuloma in the adult. Nakamura S, et al. **J Dermatol (Tokyo)** 1983 Apr;10(2):151–6

Bilateral and extensive xanthelasma palpebrarum in a young man. Depot MJ, et al. **Ophthalmology** 1984 May;91(5):522–7

Verruciform xanthoma of penis. Light and electron–microscopic study. Ronan SG, et al. **Urology** 1984 Jun;23(6):600–3

Xanthogranulomatous transformation of metastatic testicular tumor. Ueda T, et al. **Urology** 1983 Dec;22(6):646–8

[Xanthogranulomatous pyelonephritis] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1983;36(1):57–63 (Eng. Abstr.) **(Bul)**

[Electron microscopic studies of eruptive xanthomas with type V hyperlipoproteinemia, in regressing stage of xanthoma by clofibrate therapy] Asagami C, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Feb;94(2):105–12 **(Jpn)**

[Autopsy case of plasma cell dyscrasia associated with hypolipemic diffuse plane xanthoma, aortic stenosis–insufficiency and recurrent infections] Naito M, et al. **Nippon Naika Gakkai Zasshi** 1983 Jun;72(6):772–7 **(Jpn)**

[Atypical meningioma with xanthogranulomatous stromal reaction] Ishida Y, et al. **No To Shinkei** 1983 Oct; 35(10):957–63 (Eng. Abstr.) **(Jpn)**

[Xanthogranulomatous pyelonephritis] Shakhov EV, et al. **Sov Med** 1984;(6):110–2 **(Rus)**

[Ceroid granuloma of the gallbladder] Camprodon R, et al. **Rev Esp Enferm Apar Dig** 1984 Jan;65(1):76–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Raised intracranial pressure due to large intracranial xanthoma. Rees A, et al. **Br Med J [Clin Res]** 1984 Jun 9;288(6432):1722–3

RADIOGRAPHY

CT of xanthogranulomatous pyelonephritis: radiologic–pathologic correlation. Goldman SM, et al. **AJR** 1984 May;142(5):963–9

Xanthogranuloma of the choroid plexus. Pear BL. **AJR** 1984 Aug;143(2):401–2

An unusual case of xanthogranulomatous pyelonephritis. Patel PR, et al. **Br J Radiol** 1984 May;57(677):423–4

[Case of xanthogranulomatous pyelonephritis with left renal pelvis duplication and a solitary kidney] Tada S. **Rinsho Hoshasen** 1983 Aug;28(8):923–4 **(Jpn)**

[Diagnostic aspects of renal xanthogranulomatosis: apropos 23 cases] Sánchez de la Muela P, et al. **Actas Urol Esp** 1984 May–Jun;8(3):167–76 (Eng. Abstr.) **(Spa)**

SURGERY

Xanthelasma palpebrarum. Parkes ML, et al. **Laryngoscope** 1984 Sep;94(9):1238–40

URINE

Urinary cytology in the diagnosis of renal xanthogranulomatosis. Ballesteros JJ, et al. **Eur Urol** 1983; 9(6):343–5

XANTHOMONAS

Controlling Xanthomonas phaseoli (Smith) Dowsen of moong seed through chemotherapy and heat therapy. Gaur RB, et al. **Hindustan Antibiot Bull** 1984 Feb–May; 26(1–2):23–6

ENZYMOLOGY

Purification of restriction endonuclease XcyI from Xanthomonas cyanopsidis. Froman BE, et al. **Gene** 1984 Jun;28(3):331–5

[Isolation of a highly pure preparation of cephalexin amidase from bacteria of the genus Xanthomonas] Petrova LI, et al. **Antibiotiki** 1984 Mar;29(3):175–8 (Eng. Abstr.) **(Rus)**

GENETICS

Changes in properties of phytopathogenic bacteria effected by plasmid pRD1. Kozyrovskaya NA, et al. **Arch Microbiol** 1984 Apr;137(4):338–43

METABOLISM

Bacterial degradation of dehydropolymers of coniferyl alcohol. Kern HW. **Arch Microbiol** 1984 May;138(1):18–25

XANTHOPHYLL

ANALOGS & DERIVATIVES

[Effects of cyaninoside chloride and Heleniene on mesopic

and scotopic vision in myopia and night blindness] Solé P, et al. **J Fr Ophtalmol** 1984;7(1):35–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Macular pigment in Henle fiber membranes: a model for Haidinger's brushes. Bone RA, et al. **Vision Res** 1984; 24(2):103–8

XANTHOTOXIN see METHOXSALEN

XENOGRAFT see TRANSPLANTATION, HETEROLOGOUS

XENOGRAFT BIOPROSTHESIS see BIOPROSTHESIS

XENON

DIAGNOSTIC USE

Cavities in proteins: structure of a metmyoglobin–xenon complex solved to 1.9 A. Tilton RF Jr, et al. **Biochemistry** 1984 Jun 19;23(13):2849–57

Subcutaneous measurements of 133Xe disappearance with portable CdTe(Cl) detectors: elimination of interference from combined convection and diffusion. Bojsen J, et al. **Clin Physiol** 1984 Aug;4(4):309–20

Blood flow in exercising muscles by xenon clearance and by microsphere trapping. Cerretelli P, et al. **J Appl Physiol** 1984 Jan;56(1):24–30

Accuracy of stable xenon/CT measurements of regional cerebral blood flow: effect of extrapolated estimates of brain–blood partition coefficients. Dhawan V, et al. **J Comput Assist Tomogr** 1984 Apr;8(2):208–12

Split xenon detector for tomochemistry in computed tomography. Fenster A. **J Comput Assist Tomogr** 1978 Jul; 2(3):243–52

Regional cerebral blood flow measurements using stable xenon enhanced computed tomography: a theoretical and experimental evaluation. Kishore PR, et al. **J Comput Assist Tomogr** 1984 Aug;8(4):619–30

Local cerebral blood flow alterations (Xe–CT method) in an accident victim. Yonas H, et al. **J Comput Assist Tomogr** 1984 Oct;8(5):990–1

Xenon-enhanced computerised tomographic cerebral blood flow mapping [letter] Yonas H, et al. **Lancet** 1984 Jun 16; 1(8390):1357

Simultaneous mass spectrometry and thermoconductivity measurements of end-tidal xenon concentrations: a comparison. Gur D, et al. **Med Phys** 1984 Mar–Apr; 11(2):209–12

Local cerebral blood flow by Xenon enhanced CT [letter] Rottenberg DA, et al. **Stroke** 1983 Nov–Dec;14(6):1008–9

Clinical experience with the use of xenon-enhanced CT blood flow mapping in cerebral vascular disease. Yonas H, et al. **Stroke** 1984 May–Jun;15(3):443–50

[Measurement of human spinal cord blood flow using xenon and computerized tomography] Ikota T, et al. **Neurol Med Chir (Tokyo)** 1983 Aug;23(8):613–7 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical examination for ventilation study using non-radioactive xenon] Sugimura K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1983 Dec 25; 43(12):1429–31 (Eng. Abstr.) **(Jpn)**

[Tomographic analysis of CBF in cerebral infarction] Segawa H, et al. **No To Shinkei** 1983 Jun;35(6):583–94 (Eng. Abstr.) **(Jpn)**

XENON ISOTOPES

ADVERSE EFFECTS

Use of stable xenon (Xe) and CT to determine rCBF [letter] Turski P, et al. **Stroke** 1984 Sep–Oct;15(5):916–7

XENON RADIOISOTOPES

Preparation of sterile xenon–133 in saline for tissue perfusion studies. DiPiazza HJ, et al. **J Nucl Med** 1983 Nov; 24(11):1070–1

Re: preparation of sterile xenon–133 in saline for tissue perfusion studies [letter] Levine G, et al. **J Nucl Med** 1984 Sep;25(9):1050–2

ADMINISTRATION & DOSAGE

Radiation hazards associated with syringes used to store and dispense 133Xe. Benedetto AR, et al. **Health Phys** 1984 May;46(5):1141–3

ANALYSIS

A study of the performance of selected instrumentation for 133Xe personnel hazard measurements in nuclear medicine laboratories. Piltingsrud HV, et al. **Health Phys** 1984 Mar; 46(3):627–37

Optical end-tidal air–point detector built in a nonrebreathing valve. Journée HL, et al. **Med Biol Eng Comput** 1984 May; 22(3):287–8

Analysis of cranial 133–Xenon clearance in the newborn infant by the two-compartment model. Greisen G, et al. **Scand J Clin Lab Invest** 1984 May;44(3):239–50

[Improvement of the gas trap of the diagnostic respiratory control apparatus using radioisotopes] Togashi K, et al. **Radioisotopes** 1983 Jun;32(6):293–6 **(Jpn)**

DIAGNOSTIC USE

A method for determination of blood flow with 133Xe in human nasal mucosa. Bende M, et al. **Acta Otolaryngol (Stockh)** 1983 Sep–Oct;96(3–4):277–85

Changing topographic patterns of human cerebral blood flow with age measured by xenon CT. Tachibana H, et al. **AJR** 1984 May;142(5):1027–34

Measurement of blood flow to human nasal mucosa in normal and pathological conditions by the use of the 133Xe clearance technique. Ozdem C, et al. **Arch Otorhinolaryngol** 1984;239(3):219–27

Radioxenon retention in the skeleton on a routine ventilation study. Kramer EL, et al. **Clin Nucl Med** 1983 Jul; 8(7):299–300

Retention of inhaled radioxenon in thoracic vertebrae during Hb S–thalassemia crisis. Shapiro H, et al. **Clin Nucl Med** 1984 May;9(5):296–7

Comparison of portable CdTe(Cl) detectors with stationary NaI(Tl) detectors for subcutaneous 133Xe disappearance measurements. Bojsen J, et al. **Clin Physiol** 1983 Aug; 3(4):325–34

Superior sagittal sinus blood flow in the dog measured by an electromagnetic flow meter. A comparison with a radioactive gas elimination method. Elfverson J, et al. **Clin Physiol** 1983 Dec;3(6):545–9

Hemisphere cross talk and signal overlapping in bilateral regional cerebral blood flow measurements using xenon 133. Bolmsjö M. **Eur J Nucl Med** 1984;9(1):1–5

Assessment of pulmonary ventilation scans using xenon–127 in the diagnosis of pulmonary embolism. Rowe IF, et al. **Eur J Nucl Med** 1984;9(4):154–6

Measurement of blood flow in rat liver with Xenon–133. Bolmsjö M, et al. **Int J Microcirc Clin Exp** 1983;2(1):27–37

Regional cerebral blood flow—a newer non-invasive neurodiagnostic test. Lyons MC, et al. **J Neurosurg Nurs** 1981 Dec;13(6):286–93 (52 ref.)

Ventilator-driven xenon ventilation studies. Chilcoat RT, et al. **J Nucl Med** 1984 Jul;25(7):810–3

Cerebral blood flow in the newborn infant: comparison of Doppler ultrasound and 133xenon clearance. Greisen G, et al. **J Pediatr** 1984 Mar;104(3):411–8

Scalp blood flow measured by the xenon clearance technique and transcutaneous PO2 in the fetal lamb. Aarnoudse JG, et al. **Pediatr Res** 1983 Dec;17(12):982–5

Cerebral blood flow in sickle cell cerebrovascular disease. Huttenlocher PR, et al. **Pediatrics** 1984 May;73(5):615–21

The origin of the components in 133Xe bone washout curves [letter] Lahtinen T. **Phys Med Biol** 1984 Mar;29(3):284–6

Age-matched normal values and topographic maps for regional cerebral blood flow measurements by Xe-133 inhalation. Matsuda H, et al. **Stroke** 1984 Mar–Apr; 15(2):336–42

Stable xenon CT CBF measurements in prevalent cerebrovascular disorders (stroke). Meyer JS, et al. **Stroke** 1984 Jan–Feb;15(1):80–90

Computed tomographic measurement of local cerebral blood flow by xenon enhancement. Segawa H, et al. **Stroke** 1983 May–Jun;14(3):356–62

Regional cerebral blood flow in patients with transient ischemic attacks studied by Xenon–133 inhalation and emission tomography. Vorstrup S, et al. **Stroke** 1983 Nov–Dec;14(6):903–10

The use of intraperitoneal xenon for early diagnosis of acute mesenteric ischemia. Gharagozloo F, et al. **Surgery** 1984 Apr;95(4):404–11

Penile Xenon washout studies. Collins JP, et al. **Urology** 1984 Jun;23(6):624–5

Penile xenon (133Xe) washout: a rapid method of screening for vasculogenic impotence. Nseyo UO, et al. **Urology** 1984 Jan;23(1):31–4

[Determination of blood flow in the greater trochanter of the femur using 133Xe] Kapitola J, et al. **Sb Lek** 1983 Sep; 85(7–8):216–9 (Eng. Abstr.) **(Cze)**

[Study of sinusal ventilation using xenon 133 endonasal insufflation] Bisschop P, et al. **Acta Otorhinolaryngol Belg** 1983;37(5):761–72 **(Fre)**

[Atraumatic measurement of cerebral blood flow in spontaneous meningeal hemorrhage] Trémoulet M, et al. **Neurochirurgie** 1983;29(4):235–40 (Eng. Abstr.) **(Fre)**

[Hemodynamic study of acute encephalomalacia with xenon 133. Incidence of a global loss of autoregulation] Bès A, et al. **Presse Med** 1983 Dec 29;12(48):3091–4 **(Fre)**

[Neonatal cerebral anoxia. Use of xenon 133 as an indicator of cerebral blood flow (letter)] Guillet J, et al. **Presse Med** 1983 Dec 10;12(45):2885–6 **(Fre)**

[A critical study of technetium 99m and xenon 133 lung scintigraphy in patients with cystic fibrosis] Loeuille GA, et al. **Sem Hop Paris** 1983 Jul 7;59(27–28):2043–8 (Eng. Abstr.) **(Fre)**

[Regional liver circulation and the scintigraphic representation of the portal circulation with 133Xe] Kroiss A. **Acta Med Austriaca** 1984;11(3–4):1–28 (Eng. Abstr.) **(Ger)**

[133Xe-DSPECT (Dynamic Single Photon Emission CT). Results of a new noninvasive method for measuring regional cerebral blood flow (rCBF). Comparison with cranial angiography and transmission CT] Büll U, et al. **ROFO** 1983 Oct;139(4):351–8 (Eng. Abstr.) **(Ger)**

[Comparison of 133xenon and 123I-isopropylamphetamine for measuring regional cerebral circulation] Hedde JP, et al. **ROFO** 1984 Aug;141(2):212–9 (Eng. Abstr.) **(Ger)**

[Evaluation of spirometric gated Xe–133 ventilation imaging by the multigate mode] Inoue T, et al. **Kaku Igaku** 1983 Apr;20(3):341–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of regional ventilation in patients with lung cancer: a comparison with Xenon–133 and Krypton–81m studies] Narabayashi I, et al. **Kaku Igaku** 1983 Jun; 20(5):675–80 (Eng. Abstr.) **(Jpn)**

[Experimental evaluation of the lower limb blood flow distribution studies using plethysmography and radioisotope clearance methods] Fukuoka M, et al. **Kokyu To Junkan** 1983 Aug;31(8):861–6 (Eng. Abstr.) **(Jpn)**

[Regional differences of circulation, ventilation and perfusion demonstrated by 133Xe and 99mTc–MAA before and after surgery] Umegaki H. **Masui** 1984 Mar;33(3):230–9 (Eng. Abstr.) **(Jpn)**

[Cerebral hemodynamics in patients with moyamoya disease (Part II). Evaluation of regional cerebral blood flow by 133Xe inhalation methods] Takeuchi S. **Neurol Med Chir (Tokyo)** 1983 Sep;23(9):720–8 (Eng. Abstr.) **(Jpn)**

[Observation of the altered regional pulmonary functions using 133 Xe before and after surgery of mitral valve stenosis] Kurata N. **Nippon Kyobu Geka Gakkai Zasshi** 1983 Mar;31(3):333–44 (Eng. Abstr.) **(Jpn)**

[Dynamic scintigraphy of the lungs with 133Xe in chronic bronchitis] Busygina RN, et al. **Med Radiol (Mosk)** 1983 Nov;28(11):53–9 (Eng. Abstr.) **(Rus)**

[Peripheral muscle blood flow in spinal cord trauma patients based on 133Xe study data] Galakhin KA. **Med Radiol (Mosk)** 1983 Nov;28(11):78–80 (Eng. Abstr.) **(Rus)**

[The ventilation–perfusion process in the lungs following inhalation administration of 133Xe] Palinkashi DG, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):8–13 (Eng. Abstr.) **(Rus)**

[Normal values for regional cerebral blood flow using the 133Xe–inhalation method] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1983;83(9):1281–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Washout of xenon–133 from isolated guinea–pig placenta. Schröder H, et al. **Gynecol Obstet Invest** 1984;17(1):25–35

[Compartmental studies of radioxenon whole–body kinetics] Shaktarin VV, et al. **Radiobiol Radiother (Berl)** 1983; 24(5):717–24 (Eng. Abstr.) **(Ger)**

XENOPUS

Actin in Xenopus yolk platelets: a peculiar and debated presence. Colombo R. **J Cell Sci** 1983 Sep;63:263–70

EMBRYOLOGY

Demonstration of a polarizing signal that reverses future retinotectal patterns across Nuclepore filter barriers, in Xenopus embryonic eye. Sullivan K, et al. **Cell Differ** 1984 Apr;14(1):33–45

Expression of the lactate dehydrogenase genes of Xenopus species and interspecies hybrids during early development. Vonwyl E. **Comp Biochem Physiol [B]** 1983;76(1):17–21

Experimental analyses of cytoplasmic rearrangements which follow fertilization and accompany symmetrization of inverted Xenopus eggs. Neff AW, et al. **J Embryol Exp Morphol** 1984 Apr;80:197–224

Axon number in oculomotor nerves in Xenopus: removal of one eye primordium affects both sides. Schönenberger N, et al. **Neurosci Lett** 1983 Nov 11;41(3):239–45

GENETICS

Alcohol dehydrogenase isozymes in the clawed frog, Xenopus laevis. Wesolowski MH, et al. **Biochem Genet** 1983 Oct;21(9–10):1003–17

Cloning of an X. laevis gene expressed during early embryogenesis coding for a peptide region homologous to Drosophila homeotic genes. Carrasco AE, et al. **Cell** 1984 Jun;37(2):409–14

Spacer regulation of Xenopus ribosomal gene transcription: competition in oocytes. Reeder RH, et al. **Cell** 1983 Dec; 35(2 Pt 1):449–56

A flow cytometric analysis of the embryonic origin of lymphocytes in diploid/triploid chimeric Xenopus laevis. Flajnik MF, et al. **Dev Biol** 1984 Jul;104(1):247–54

Analysis of the base substitutions found in the Xenopus laevis 5 S RNA pseudogene. Andersen J, et al. **FEBS Lett** 1983 Mar 21;153(2):243–7

Fly and frog homoeo domains show homologies with yeast mating type regulatory proteins. Shepherd JC, et al. **Nature** 1984 Jul 5–11;310(5972):70–1

The external transcribed spacer and preceding region of Xenopus borealis rDNA: comparison with the corresponding region of Xenopus laevis rDNA. Furlong JC, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8183–96

The origin of the rRNA precursor from Xenopus borealis, analysed in vivo and in vitro. McStay B, et al. **Nucleic Acids Res** 1983 Dec 10;11(23):8167–81

GROWTH & DEVELOPMENT

Post-metamorphic retinal growth in Xenopus. Straznicky C,

et al. **Anat Embryol (Berl)** 1984;169(1):103–9

Immunologic reactivity to TNP–Ficoll during development and ageing in Xenopus laevis, the South African clawed toad. Ruben LN, et al. **Cell Differ** 1984 Apr;14(1):1–5

Changes in nervous system glycolipids during metamorphosis of Xenopus laevis. Okamura N, et al. **J Biol Chem** 1983 Oct 25;258(20):12243–6

Are there major developmentally regulated H4 gene classes in Xenopus? Woodland HR, et al. **Nucleic Acids Res** 1984 Jun 25;12(12):4939–58

Developmental control of the heat shock response in Xenopus. Bienz M. **Proc Natl Acad Sci USA** 1984 May; 81(10):3138–42

Light and electron microscopic observations of the development of intestinal musculature in Xenopus. Kordylewski L. **Z Mikrosk Anat Forsch** 1983;97(4):719–34

IMMUNOLOGY

Studies on Xenopus immunoglobulins using monoclonal antibodies. Hsu E, et al. **Mol Immunol** 1984 Apr; 21(4):257–70

METABOLISM

Xanthine dehydrogenase activity in the clawed frog, Xenopus laevis. Lyerla TA, et al. **Comp Biochem Physiol [B]** 1983; 76(3):497–502

PHYSIOLOGY

Mechanical properties of muscles from Xenopus borealis following maintenance in organ culture. McDonagh MJ. **Comp Biochem Physiol [A]** 1984;77(2):377–82

Are the primordial germ cells (PGCs) in urodela formed by the inductive action of the vegetative yolk mass? Michael P. **Dev Biol** 1984 May;103(1):109–16

Circadian disc shedding in Xenopus retina in vitro. Flannery JG, et al. **Invest Ophthalmol Vis Sci** 1984 Feb;25(2):229–32

The effects of aquatic oxygen concentration, body size and respiratory behaviour on the stamina of obligate aquatic (Bufo americanus) and facultative air–breathing (Xenopus laevis and Rana berlandieri) anuran larvae. Wassersug RJ, et al. **J Exp Biol** 1983 Jul;105:173–90

Measurements of erythrocyte flow velocity by means of grating laser microscope. Nitta J, et al. **Jpn J Physiol** 1983; 33(3):377–90

XENOPUS LAEVIS

Localization of a pigment–containing structure near the surface of Xenopus eggs which contracts in response to calcium. Merriam RW, et al. **J Embryol Exp Morphol** 1983 Aug;76:51–65

Pathology of naturally occurring chlamydiosis in African clawed frogs (Xenopus laevis). Howerth EW. **Vet Pathol** 1984 Jan;21(1):28–32

ANATOMY & HISTOLOGY

Sexual dimorphism in the fibers of a 'clasp' muscle of Xenopus laevis. Rubinstein NA, et al. **Exp Neurol** 1983 Nov;82(2):424–31

Topography of the retinal ganglion cell layer of Xenopus. Graydon ML, et al. **J Anat** 1984 Aug;139 (Pt 1):145–57

Intercellular junctions between the follicle cells and oocytes of Xenopus laevis. Browne CL, et al. **J Exp Zool** 1984 Apr;230(1):105–13

The number of synaptic boutons terminating on Xenopus cardiac ganglion cells is directly correla.ed with cell size. Sargent PB. **J Physiol (Lond)** 1983 Oct;343:85–104

The relation between soma position and fibre trajectory of neurons in the mesencephalic trigeminal nucleus of Xenopus laevis. Lowe DA, et al. **Proc R Soc Lond [Biol]** 1984 Jun 22;221(1225):437–54

Two populations of rod photoreceptors in the retina of Xenopus laevis identified with 3H–fucose autoradiography. Hollyfield JG, et al. **Vision Res** 1984;24(8):777–82

Rod and cone inputs to bipolar and horizontal cells of the Xenopus retina. Witkovsky P, et al. **Vision Res** 1983; 23(11):1251–8

Somatostatin–immunoreactive cells in the gastro–entero–pancreatic endocrine system of Xenopus laevis. Hacker G, et al. **Z Mikrosk Anat Forsch** 1983; 97(6):929–40

Development and differentiation of the brain ventricular system in tadpoles of Xenopus laeris (Daudin) (Amphibia, Anura). Lametschwandtner A, et al. **Z Mikrosk Anat Forsch** 1983;97(2):265–78

Scanning electron microscopical investigation of the larval development and the morphological differentiation of the paraventricular organ (PVO) of the South African clawed toad Xenopus laevis Daudin. Sänger A, et al. **Z Mikrosk Anat Forsch** 1983;97(5):769–84

BLOOD

The histone H5 variant in Xenopus laevis. Moorman AF, et al. **Cell Differ** 1984 Jun;14(2):113–23

EMBRYOLOGY

Temporal and spatial regulation of fibronectin in early Xenopus development. Lee G, et al. **Cell** 1984 Mar; 36(3):729–40

Regulation of the cell cycle during early Xenopus development. Newport JW, et al. **Cell** 1984 Jul;37(3):731–42

Biochemical and histochemical aspects of acetylcholinesterase development in the larval CNS of Xenopus laevis. Schlesinger C, et al. **Cell Mol Biol** 1984; 30(1):5–9

Inhibitor of ribosomal RNA synthesis in Xenopus laevis embryos. VII. Inhibition of 40s pre–rRNA synthesis in Xenopus neurula cells. Shiokawa K. **Cell Struct Funct** 1984 Mar;9(1):97–102

Effects of puromycin and cycloheximide on properties of cells from Xenopus laevis early embryos. Kurais AR, et al. **Cytobios** 1983;37(146):91–9

Changes in nucleotide–binding proteins during oocyte maturation in Xenopus laevis. Richardson C, et al. **Dev Biol** 1983 Sep;99(1):240–7

Axis determination in eggs of Xenopus laevis: a critical period before first cleavage, identified by the common effects of cold, pressure and ultraviolet irradiation. Scharf SR, et al. **Dev Biol** 1983 Sep;99(1):75–87

Protein synthesis in dorsal and ventral regions of Xenopus laevis embryos in relation to dorsal and ventral differentiation. Smith RC, et al. **Dev Biol** 1984 Jun; 103(2):355–68

Anucleolate frog embryos contain ribosomal DNA sequences and a nucleolar antigen. Steele RE, et al. **Dev Biol** 1984 Apr;102(2):409–16

Onset of 5 S RNA gene regulation during Xenopus embryogenesis. Wormington WM, et al. **Dev Biol** 1983 Sep; 99(1):248–57

The formation of multinuclear muscle fibres in Xenopus laevis I. Observations on dissociated myotomal cells and autoradiography. Habrová V, et al. **Folia Morphol (Praha)** 1984;32(1):59–62

Altered levels of a 5 S gene–specific transcription factor (TFIIIA) during oogenesis and embryonic development of Xenopus laevis. Shastry BS, et al. **J Biol Chem** 1984 Sep 25;259(18):11373–82

Dual contribution of embryonic ventral blood island and dorsal lateral plate mesoderm during ontogeny of hemopoietic cells in Xenopus laevis. [illegible] CL, et al. **J Immunol** 1983 Nov;131(5):2262–6

Activity of commissural interneurons in spinal cord of Xenopus embryos. Soffe SR, et al. **J Neurophysiol** 1984 Jun;51(6):1257–67

The distribution of small ions during the early development of Xenopus laevis and Ambystoma mexicanum embryos. Gillespie JI. **J Physiol (Lond)** 1983 Nov;344:359–77

Cell lineage and the induction of second nervous systems in amphibian development. Gimlich RL, et al. **Nature** 1983 Dec 1–7;306(5942):471–3

Patterns of junctional communication in the early amphibian embryo. Guthrie SC. **Nature** 1984 Sep 13–19; 311(5982):149–51

Antibodies to gap–junctional protein selectively disrupt junctional communication in the early amphibian embryo. Warner AE, et al. **Nature** 1984 Sep 13–19;311(5982):127–31

Differential gene expression in the gastrula of Xenopus laevis. Sargent TD, et al. **Science** 1983 Oct 14;222(4620):135–9

[Inhibitory effect of lectins extracted from Arachis hypogea and soybeans on germ cell migration in the embryo of Xenopus laevis (Amphibia, Anura)] Delbos M, et al. **C R Seances Acad Sci [III]** 1983;296(14):645–50 (Eng. Abstr.) **(Fre)**

[Spatial–temporal patterns of the cell cycles in embryos of the clawed toad during gastrulation and neurulation] Hissam J, et al. **Ontogenez** 1984 Jul–Aug;15(4):391–8 (Eng. Abstr.) **(Rus)**

GENETICS

Splicing pathways of SV40 mRNAs in X. laevis oocytes differ in their requirements for snRNPs. Fradin A, et al. **Cell** 1984 Jul;37(3):927–36

Assembly of transcriptionally active chromatin in Xenopus oocytes requires specific DNA binding factors. Gargiulo G, et al. **Cell** 1984 Sep;38(2):511–21

5'–flanking sequences that inhibit in vitro transcription of a xenopus laevis tRNA gene. Hipskind RA, et al. **Cell** 1983 Oct;34(3):881–90

Globin gene expression in Xenopus laevis: anemia induces precocious globin transition and appearance of adult erythroblasts during metamorphosis. Widmer HJ, et al. **Dev Biol** 1983 Sep;99(1):50–60

Replication, integration and expression of exogenous DNA injected into fertilized eggs of Xenopus laevis. Etkin Ld, et al. **Differentiation** 1984;26(3):194–202

Histone gene expression in early development of Xenopus laevis. Analysis of histone mRNA in oocytes and embryos by blot–hybridization and cell–free translation. Van Dongen WM, et al. **Differentiation** 1983;24(3):226–33

Isolated clusters of paired tandemly repeated sequences in the Xenopus laevis genome. Carroll D, et al. **Mol Cell Biol** 1984 Feb;4(2):254–9

Xenopus laevis 28S ribosomal RNA: a secondary structure model and its evolutionary and functional implications. Clark CG, et al. **Nucleic Acids Res** 1984 Aug 10; 12(15):6197–220

Variations in transcriptional activity of rDNA spacer promoters. Morgan GT, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6043–52

Replication and expression of Xenopus laevis globin genes injected into fertilized Xenopus eggs. Bendig MM, et al. **Proc Natl Acad Sci USA** 1983 Oct;80(20):6197–201

Replication, methylation, and expression of X laevis globin genes injected into fertilized Xenopus eggs. Williams JG, et al. **Prog Clin Biol Res** 1983;134:27–38

GROWTH & DEVELOPMENT

The development of the pars intermedia and its role in the regulation of dermal melanophores in the larvae of the amphibian Xenopus laevis. Verburg–van Kemenade BM, et al. **Gen Comp Endocrinol** 1984 Jul;55(1):54–65

The positional coding system in the early eye rudiment of Xenopus laevis, and its modification after grafting operations. Cooke J, et al. **J Embryol Exp Morphol** 1983 Oct;77:53–71

Development of the lateral line system in Xenopus laevis. I. Normal development and cell movement in the supraorbital system. Winklbauer R, et al. **J Embryol Exp Morphol** 1983 Aug;76:265–81

Development of the lateral line system in Xenopus laevis. II. Cell multiplication and organ formation in the supraorbital system. Winklbauer R, et al. **J Embryol Exp Morphol** 1983 Aug;76:283–96

Experimental evidence for the accumulation of egg pigment in the brain cavities of Xenopus tadpoles. Kordylewski L. **J Exp Zool** 1983 Jul;227(1):93–6

A morphometric study of the retinal ganglion cell layer and optic nerve from metamorphosis in Xenopus laevis. Dunlop SA, et al. **Vision Res** 1984;24(5):417–27

[Characteristics of cardiac growth and energy metabolism in the development of the clawed toad] Lelianova VG, et al. **Ontogenez** 1984 May–Jun;15(3):262–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Effector and regulator functions of splenic and thymic lymphocytes in the clawed toad Xenopus. Hsu E, et al. **Ann Immunol (Paris)** 1983 Nov–Dec;134D(3):277–92

Mitogenic responses of frog lymphocytes to crude and purified preparations of bacterial lipopolysaccharide (LPS). Bleicher PA, et al. **Dev Comp Immunol** 1983 Summer; 7(3):483–96

Tolerance maintenance depends on persistence of the tolerizing antigen: evidence from transplantation studies on Xenopus laevis. Kaye C, et al. **Dev Comp Immunol** 1983 Summer;7(3):497–506

Some aspects of the phylogeny of macrophage–lymphocyte immune regulation. Ruben LN. **Dev Comp Immunol** 1984 Spring;8(2):247–56 (42 ref.)

TNP–Ficoll response in Xenopus laevis: substitution and reconstitution in thymectomized animals. Clothier RH, et al. **Immunology** 1984 Jul;52(3):483–9

During frog ontogeny, PHA and Con A responsiveness of splenocytes precedes that of thymocytes. Rollins–Smith LA, et al. **Immunology** 1984 Jul;52(3):491–500

Genetic limits of thymic immunosuppression of anti–hapten antibody production in Xenopus laevis laevis, the South African clawed toad. Ruben LN, et al. **J Immunogenet** 1984 Feb;11(1):97–101

Isolation and characterization of the third component of complement in the serum of the clawed frog, Xenopus laevis. Sekizawa A, et al. **J Immunol** 1984 Sep; 133(3):1436–43

Membrane receptors on Xenopus macrophages for two classes of immunoglobulins (IgM and IgY) and the third complement component (C3). Sekizawa A, et al. **J Immunol** 1984 Sep;133(3):1431–5

In vitro thymus suppression of hemagglutinin production in Xenopus laevis: location, drug and temperature sensitivity. Ruben LN, et al. **Thymus** 1984;6(3):143–52

Elicitation of weak immune response in larval and adult Xenopus laevis by allografted pituitary. Maéno M, et al. **Transplantation** 1984 Sep;38(3):251–5

METABOLISM

Contribution of maternal mRNA for maintenance of Ca2+–dependent reaggregating activity in dissociated cells of Xenopus laevis embryos. Shiokawa K, et al. **Cell Differ** 1983 Nov;13(3):247–55

Comparison by electrophoresis of proteins characteristic of the lateral line and skin of Xenopus laevis. Drescher DG. **Comp Biochem Physiol [B]** 1984;77(2):295–302

The 22 S cylinder particles of Xenopus laevis. II. Immunological characterization and localization of their proteins in tissues and cultured cells. Hügle B, et al. **Eur J Cell Biol** 1983 Nov;32(1):157–63

The 22 S cylinder particles of Xenopus laevis. I. Biochemical and electron microscopic characterization. Kleinschmidt JA, et al. **Eur J Cell Biol** 1983 Nov;32(1):143–56

A monoclonal antibody against nuclear lamina proteins reveals cell type–specificity in Xenopus laevis. Krohne G, et al. **Exp Cell Res** 1984 Jan;150(1):47–59

The dynamics of the steroidogenic response of perfused Xenopus testis explants to gonadotropins. Boujard D, et al. **Gen Comp Endocrinol** 1983 Sep;51(3):406–13

Identification of multiple RNases in Xenopus laevis oocytes and their possible role in tRNA processing. Solari A, et al. **Mol Cell Biol** 1983 Oct;3(10):1711–7

PHYSIOLOGY

Regulation of cell cycle by cytoplasmic components in the amphibian eggs. Aimar C, et al. **Cell Differ** 1983 Dec;

13(4):293–300

Platanna (Xenopus laevis) as a test organism for determining the embryotoxic effects of environmental chemicals. Dumpert K, et al. **Ecotoxicol Environ Safety** 1984 Feb; 8(1):55–74

Biosynthesis of thyrotropin releasing hormone in the skin of Xenopus laevis: partial sequence of the precursor deduced from cloned cDNA. Richter K, et al. **EMBO J** 1984 Mar;3(3):617–21

Studies on three kinds of lectins from Xenopus laevis skin. Nitta K, et al. **Experientia** 1984 Jul 15;40(7):712–3

Androgen and gonadotropin effects on male mate calls in South African clawed frogs, Xenopus laevis. Wetzel DM, et al. **Horm Behav** 1983 Dec;17(4):388–404

Structural basis of the activation wave in the egg of Xenopus laevis. Takeichi T, et al. **J Embryol Exp Morphol** 1984 Jun;81:1–16

Characterization of the intermittent breathing pattern in Xenopus laevis. Boutilier RG. **J Exp Biol** 1984 May; 110:291–309

Functional conflicts between feeding and gas exchange in suspension-feeding tadpoles, Xenopus laevis. Feder ME, et al. **J Exp Biol** 1984 May;110:91–8

The modifications of cortical endoplasmic reticulum during in vitro maturation of Xenopus laevis oocytes and its involvement in cortical granule exocytosis. Campanella C, et al. **J Exp Zool** 1984 Feb;229(2):283–93

Effects of light–deprivation on development of photopositive behavior in Xenopus laevis tadpoles. Copp NH, et al. **J Exp Zool** 1984 May;230(2):219–28

Two healing patterns correlate with different adult neural connectivity patterns in regenerating embryonic Xenopus retina. Ide CF, et al. **J Exp Zool** 1984 Apr;230(1):71–80

Changes in polyamine content during limb regeneration in adult Xenopus laevis. Kurabuchi S, et al. **J Exp Zool** 1983 Jul;227(1):121–6

Mechanical, electrical, and morphological characteristics of skeletal muscle fibers from Xenopus and other species of frogs. Oba T, et al. **Jpn J Physiol** 1983;33(4):521–34

Blood-circulated sciatic nerve–gastrocnemius muscle preparation in the spinal toad. Brimble MJ, et al. **Physiologist** 1984 Feb;27(1):47–9

Xenopsin: the neurotensin-like octapeptide from Xenopus skin at the carboxyl terminus of its precursor. Sures I, et al. **Proc Natl Acad Sci USA** 1984 Jan;81(2):380–4

Initiation and control of swimming in amphibian embryos. Roberts A, et al. **Symp Soc Exp Biol** 1983;37:261–84

[Evaluation of amputation techniques for the study of limb regeneration in the newt and toad] Fujimaki M, et al. **Jikken Dobutsu** 1984 Jan;33(1):109–14 (Eng. Abstr.) **(Jpn)**

[Radioautographic study of the cell proliferation of the pigment epithelium of the retina in albino clawed frogs] Svistunov SA, et al. **Ontogenez** 1983 Jul–Aug;14(4):382–9 (Eng. Abstr.) **(Rus)**

[Essential and substituted amino acids as chemical stimuli in the clawed frog Xenopus laevis] Kruzhalov NB. **Zh Evol Biokhim Fiziol** 1983 Sep–Oct;19(5):503–6 (Eng. Abstr.) **(Rus)**

XERODERMA see **ICHTHYOSIS**

XERODERMA PIGMENTOSUM

BLOOD

Xeroderma pigmentosum in Egypt. III. ABO blood grouping in 22 affected families. German J, et al. **Ann Hum Genet** 1984 Jan;48 (Pt 1):61–4

CHEMICALLY INDUCED

Xeroderma pigmentosum–like changes [letter] Lorette G, et al. **Arch Dermatol** 1983 Nov;119(11):873–4

COMPLICATIONS

Xeroderma pigmentosum. Complementation group C and malignant melanoma. Lynch HT, et al. **Arch Dermatol** 1984 Feb;120(2):175–9

DNA repair protects against cutaneous and internal neoplasia: evidence from xeroderma pigmentosum. Kraemer KH, et al. **Carcinogenesis** 1984 Apr;5(4):511–4

Carcinoma of the lip in xeroderma pigmentosum. A case report. Yagi KI, et al. **J Oral Med** 1983 Jul–Sep;38(3):97–8

[Kaposi's disease and toxoplasmosis: an occasional association? Etiopathogenic, clinical and therapeutic considerations] Leri O, et al. **Clin Ter** 1983 Oct 31; 107(2):87–93 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Kaposi's disease. Form with lymph node manifestation in a young African. Difficulty in the initial diagnosis and relation to dysimmune lymphadenitis] Wechsler J, et al. **Sem Hop Paris** 1983 Dec 29;59(49):3431–5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Xeroderma pigmentosum. A case treated with a beta-carotene–canthaxanthin combination and aromatic retinoid] Guillot B, et al. **Ann Dermatol Venereol** 1984; 111(1):65–7 **(Fre)**

[Xeroderma pigmentosum (letter)] Schnitzler L. **Ann Dermatol Venereol** 1984;111(1):70 **(Fre)**

[Xeroderma pigmentosum: prevention of tumors with etretinate] Pichler E, et al. **Hautarzt** 1984 Mar;35(3):159–61 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Xeroderma pigmentosum: in vitro complementation of DNA repair endonuclease. Helland D, et al. **Carcinogenesis** 1984 Jun;5(6):833–6

Nuclear DNA endonuclease activities on partially apurinic/apyrimidinic DNA in normal human and xeroderma pigmentosum lymphoblastoid and mouse melanoma cells. Lambert MW, et al. **Chem Biol Interact** 1983 Aug 15;46(1):109–20

FAMILIAL & GENETIC

Chemical clastogenicity in lymphoid cell lines of chromosomal instability syndromes. Cohen MM, et al. **Cancer Genet Cytogenet** 1983 Nov;10(3):267–76

Defective thymine dimer excision from xeroderma pigmentosum chromatin and its characteristic catalysis by cell–free extracts. Kano Y, et al. **Carcinogenesis** 1983 Nov; 4(11):1419–24

Biological and biochemical characterization of an SV40–transformed xeroderma pigmentosum cell line. Royer–Pokora B, et al. **Exp Cell Res** 1984 Apr; 151(2):408–20

Mutation of xeroderma pigmentosum lymphoblasts by far–ultraviolet light. DeLuca JG, et al. **Mutat Res** 1984 Aug;128(1):47–57

Effects of ultraviolet irradiation on the cell cycle in normal and UV–sensitive cell lines with reference to the nature of the defect in xeroderma pigmentosum variant. Imray P, et al. **Mutat Res** 1983 Oct;112(5):301–9

Stable low molecular weight DNA in xeroderma pigmentosum cells. Hurt MM, et al. **Proc Natl Acad Sci USA** 1983 Nov;80(22):6987–91

[Chromosome instability syndromes] Germain D, et al. **Sem Hop Paris** 1983 Dec 1;59(44):3065–79 (173 ref.) (Eng. Abstr.) **(Fre)**

[Case of Young's pigmented xerodermoid in 2 brothers] Berenbein BA, et al. **Vestn Dermatol Venerol** 1983 Jul; (7):34–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Cell lines from xeroderma pigmentosum complementation group A lack a single-stranded–DNA–binding activity. Kuhnlein U, et al. **Biosci Rep** 1983 Jul;3(7):667–74

Abnormal response of xeroderma pigmentosum cells to bleomycin. Hurt MM, et al. **Cancer Res** 1984 Oct; 44(10):4396–402

Roles of poly(ADP–ribose) synthesis in repair and replication in normal human, Cockayne syndrome, and xeroderma pigmentosum fibroblasts after UV irradiation. Fujiwara Y, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 13:209–18

Repair of psoralen adducts in human DNA: differences among xeroderma pigmentosum complementation groups. Cleaver JE, et al. **J Invest Dermatol** 1984 Apr;82(4):311–5

The rate of removal of pyrimidine dimers in quiescent cultures of normal human and xeroderma pigmentosum cells. Kantor GJ, et al. **Mutat Res** 1984 Jul–Aug; 132(1–2):21–31

[Defects in DNA repair and replication in neurocutaneous hereditary diseases] Takebe H. **No To Shinkei** 1984 Jan; 36(1):49–54 (15 ref.) **(Jpn)**

MICROBIOLOGY

Psoralen photoinactivation of herpes simplex virus: monoadduct and cross–link repair by xeroderma pigmentosum and Fanconi's anemia cells. Fendrick JL, et al. **J Invest Dermatol** 1984 Jul;83(1 Suppl):96s–101s

OCCURRENCE

[Xeroderma pigmentosum: 1st Senegalese case] Ndiaye B, et al. **Dakar Med** 1983;28(1):167–72 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Retinoic acid and defective UV light induced DNA excision repair in xeroderma pigmentosum: absence of ameliorating effect. van Voorst Vader PC, et al. **Arch Dermatol Res** 1984;276(3):201–2

Law of reciprocity in UV erythema and cell killing. Kobayashi M. **J Dermatol (Tokyo)** 1984 Feb;11(1):25–9

Xeroderma pigmentosa. Mitra S, et al. **J Indian Med Assoc** 1983 Dec;81(11–12):204–5

[Current aspects of xeroderma pigmentosum: apropos of two new cases] Gaby–Bobo A, et al. **Rev Stomatol Chir Maxillofac** 1984;85(2):111–4 (Eng. Abstr.) **(Fre)**

[Oral localization of Kaposi's disease. A clinical note] Benech A, et al. **Minerva Stomatol** 1984 Mar–Apr;33(2):209–12 (Eng. Abstr.) **(Ita)**

[DNA repair in the UV irradiation of human peripheral blood lymphocytes (healthy donors and xeroderma pigmentosum patients) in relation to the dedifferentiation process in phytohemagglutinin exposure] Genter EI, et al. **Tsitologiia** 1984 May;26(5):599–604 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Mutagenesis and lethality following S phase irradiation of xeroderma pigmentosum and normal human diploid fibroblasts with ultraviolet light. Grosovsky AJ, et al. **Carcinogenesis** 1983 Nov;4(11):1389–93

Xeroderma pigmentosum fibroblasts are more sensitive to asbestos fibers than are normal human fibroblasts. Yang LL, et al. **Carcinogenesis** 1984 Feb;5(2):291–4

Lethality and the depression of DNA synthesis in UV–irradiated normal human and xeroderma pigmentosum cells. Shinohara K. **Mutat Res** 1983 Dec;122(3–4):385–9

Xeroderma pigmentosum fibroblasts including cells from XP variants are abnormally sensitive to the mutagenic and cytotoxic action of broad spectrum simulated sunlight. Patton JD, et al. **Photochem Photobiol** 1984 Jan;39(1):37–42

Exposure of nondividing populations of primary human fibroblasts to UV (254 nm) radiation induces a transient enhancement in capacity to repair potentially lethal cellular damage. Tyrrell RM. **Proc Natl Acad Sci USA** 1984 Feb; 81(3):781–4

THERAPY

Microinjection of human cell extracts corrects xeroderma pigmentosum defect. de Jonge AJ, et al. **EMBO J** 1983; 2(5):637–41

ULTRASTRUCTURE

Ultrastructural studies of xeroderma pigmentosum. Plotnick H, et al. **J Am Acad Dermatol** 1983 Dec;9(6):876–82

XEROMAMMOGRAPHY see under **MAMMOGRAPHY**

XEROPHTHALMIA

BLOOD

Clinico–biochemical study of xerophthalmia in rural population of Allahabad. Srivastava D, et al. **Indian J Ophthalmol** 1983 Jul;31(4):379–81

CHEMICALLY INDUCED

Amitriptyline and contact lenses [letter] Litovitz GL. **J Clin Psychiatry** 1984 Apr;45(4):188

COMPLICATIONS

Nutritional blindness in Africa. Steinkuller PG. **Soc Sci Med** 1983;17(22):1715–21

DIAGNOSIS

A new method for measuring tears. Hamano H, et al. **CLAO J** 1983 Jul–Sep;9(3):281–9

[Recent data on the biological diagnosis of dry syndromes] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1983 Mar; 83(3):369–71 **(Fre)**

DRUG THERAPY

Treatment of xerophthalmia with retinol, tretinoin, and etretinate. Hatchell DL, et al. **Arch Ophthalmol** 1984 Jun; 102(6):926–7

Hydroxypropylmethylcellulose in the treatment of the dry eye. Molemans M, et al. **Bull Soc Belge Ophtalmol** 1982; 201:93–7

[Demonstration of the effects on the corneal epithelium of a mucomimetic collyrium. St[illegible] using scanning microscopy] Brewitt H, et al. **[illegible] Ophtalmol** 1984; 7(1):41–50 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh. Khan MU, et al. **Br J Nutr** 1984 Jul;52(1):1–9

Hypovitaminosis A: a public health problem. Roncada MJ. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;24:17–22

IMMUNOLOGY

Tear film changes in health and dry eye conditions. McGill J, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 3):313–7

MORTALITY

Mortality associated with mild, untreated xerophthalmia. Sommer A. **Trans Am Ophthalmol Soc** 1983;81:825–53

OCCURRENCE

Xerophthalmia in urban Bangladesh. Implications for vitamin A deficiency preventive strategies. Cohen N, et al. **Acta Paediatr Scand** 1983 Jul;72(4):531–6

The epidemiology of vitamin A deficiency and xerophthalmia. Tielsch JM, et al. **Annu Rev Nutr** 1984; 4:183–205 (148 ref.)

PATHOLOGY

Cellulose acetate impressions of the ocular surface. Dry eye states. Nelson JD, et al. **Arch Ophthalmol** 1983 Dec; 101(12):1869–72

PREVENTION & CONTROL

Impact of massive doses of vitamin A on incidence of

nutritional blindness. Vijayaraghavan K, et al. **Lancet** 1984 Jul 21;2(8395):149–51

XERORADIOGRAPHY

A comparison of nuclear magnetic resonance and intravenous xeroangiography with conventional arteriography in popliteal artery imaging. Reynolds JR, et al. **Clin Radiol** 1984 Sep;35(5):409–12

Comparison of xeroradiographs and film for detection of proximal surface caries. White SC, et al. **J Am Dent Assoc** 1984 May;108(5):755–9

Comparison of xeroradiographs and film for detection of periapical lesions. White SC, et al. **J Dent Res** 1984 Jun; 63(6):910–3

Xeroradiography in spinal kyphosis. Versfeld GA, et al. **J Pediatr Orthop** 1983 Sep;3(4):482–5

Sensitometric characteristics of dental xeroradiography. Gratt BM, et al. **Oral Surg** 1983 Nov;56(5):555–9

The Min-R system: an alternative to xeroradiography. Fodor J 3d, et al. **Radiol Technol** 1984 Jan–Feb;55(3):41–3

[Xeroradiography] Bruna J. **Cas Lek Cesk** 1984 May 4; 123(18):533–7 (Eng. Abstr.) **(Cze)**

[The role of xerography in the evaluation of the spread of pharyngolaryngeal neoplasms] Sarrat P, et al. **J Belge Radiol** 1983;66(5):351–5 (Eng. Abstr.) **(Fre)**

[Distribution pattern of rheumatoid arthritis. A xeroradiographic analysis] Schönthal H. **Med Welt** 1983 Nov 11;34(45):1264–7 **(Ger)**

[The hand of the patient under periodic hemodialysis treatment. Comparative radiographic and xeroradiographic aspects] Scutellari PN, et al. **Radiol Med (Torino)** 1983 Jul–Aug;69(7–8):527–32 (Eng. Abstr.) **(Ita)**

[Application of xeroradiography to maxillofacial lesions] Yamazaki M, et al. **Rinsho Hoshasen** 1983 Dec; 28(13):1607–10 (Eng. Abstr.) **(Jpn)**

[Positive electroroentgenography for examining the esophagus and stomach] Baltrushaitis PD, et al. **Med Radiol (Mosk)** 1984 Feb;29(2):24–31 (Eng. Abstr.) **(Rus)**

[Detection of a congenital heart defect during a scheduled xeroradiographic examination] Netkachev AV, et al. **Voen Med Zh** 1983 Nov;(11):63–4 **(Rus)**

[Xeroradiography unit of an x-ray department of a polyclinic] Pashnev VIa, et al. **Voen Med Zh** 1983 Jul;(7):60 **(Rus)**

METHODS

A critical evaluation of xerocephalometry: absorbed dose and diagnostic information. Kaugars GE, et al. **Oral Surg** 1984 Apr;57(4):443–50

Use of xeroradiography for length determination in endodontics. San Marco PA, et al. **Oral Surg** 1984 Mar; 57(3):308–14

Image subtraction by solid state electroradiography. Fallone BG, et al. **Phys Med Biol** 1984 Jun;29(6):703–9

[Clinical feasibility of intraoral xeroradiography] Okano T, et al. **Kokubyo Gakkai Zasshi** 1983 Sep;50(3):472–80 **(Jpn)**

[Large-frame xeroradiography of the stomach] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1983 Sep–Oct;(5):5–12 (Eng. Abstr.) **(Rus)**

[Electroroentgenography in a contrast study of the spine and spinal cord] Pustovoĭtenko VT, et al. **Vestn Rentgenol Radiol** 1984 Jan–Feb;(1):75–9 (Eng. Abstr.) **(Rus)**

XEROSTOMIA

CHEMICALLY INDUCED

Acute trazodone poisoning: clinical signs and plasma concentrations. Henry JA, et al. **Psychopathology** 1984;17 Suppl 2:77–81

Xerostomia: not a phenomenon of aging. Lloyd PM. **Wis Med J** 1983 Sep;82(9):21–2

[An anticholinergic agent, side effect of dry mouth and hazards for the teeth (letter)] Michels LF. **Ned Tijdschr Geneeskd** 1984 Feb 11;128(6):283–4 **(Dut)**

[An anticholinergic agent, the side effect of mouth dryness and hazards for the teeth] van Palenstein Helderman WH, et al. **Ned Tijdschr Geneeskd** 1983 Dec 17;127(51):2318–21 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Xerostomia: diagnosis and treatment. Navazesh M, et al. **Am J Otolaryngol** 1983 Jul–Aug;4(4):283–92 (71 ref.)

DRUG THERAPY

Effect of Sialor in treatment of xerostomia in Sjögren's syndrome. Epstein JB, et al. **Oral Surg** 1983 Nov; 56(5):495–9

PHYSIOPATHOLOGY

Salivary flow, saliva, pH and buffering capacity in 70-year-old men and women. Correlation to dental health, dryness in the mouth, disease and drug treatment. Osterberg T, et al. **J Oral Rehabil** 1984 Mar;11(2):157–70

Dry mouth and delayed dissolution of nitroglycerin [letter] **N Engl J Med** 1984 Apr 26;310(17):1122–3

THERAPY

Xerostomia: diagnosis and treatment. Navazesh M, et al. **Am J Otolaryngol** 1983 Jul–Aug;4(4):283–92 (71 ref.)

A critical assessment of oral lubricants in patients with xerostomia. Wiesenfeld D, et al. **Br Dent J** 1983 Sep 10; 155(5):155–7

A clinical comparison between commercially available mucin- and CMC-containing saliva substitutes. Vissink A, et al. **Int J Oral Surg** 1983 Aug;12(4):232–8

XIPAMIDE see under **DIURETICS, SULFAMYL**

XIPHOID BONE see under **STERNUM**

XIPHOSURA see **HORSESHOE CRABS**

XYLANS see under **POLYSACCHARIDES**

XYLAZINE see under **THIAZINES**

XYLENES

ADVERSE EFFECTS

Effect of environmental contamination of the work place with benzene, toluene and xylene on human lymphocyte-associated immunity. Moszczynski P, et al. **Med Lav** 1983 Nov–Dec;74(6):492–8

[The effect of technical xylol on the human body] Lüdersdorf R, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1984 Apr;34(4):98–100 **(Ger)**

[Use of the nitroblue tetrazolium test for detection of the effects of organic solvents containing benzol, toluol and xylol] Moshchin'ski P, et al. **Gig Tr Prof Zabol** 1983 Sep; (9):31–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Biosynthesis of riboflavin. Enzymatic formation of the xylene moiety from [14C]ribulose 5-phosphate. Nielsen P, et al. **Biochem Biophys Res Commun** 1984 Feb 14;118(3):814–20

Metabolism and disposition of simultaneously inhaled m-xylene and ethylbenzene in the rat. Elovaara E, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):466–78

[Regulation of the enzyme activity of para-xylene catabolism in a spontaneous para-xylene-negative variant of Pseudomonas aeruginosa 2x79] Gorlatova NV, et al. **Biol Nauki** 1983;(10):94–9 (Eng. Abstr.) **(Rus)**

[Population dynamics of Pseudomonas aeruginosa capable of assimilating p-xylene] Gorlatova NV, et al. **Mikrobiologiia** 1983 May–Jun;52(3):392–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of xylene exposure on the metabolism of antipyrine in vitro and in vivo in the rat. Toftgård R. **Toxicology** 1983 Sep;28(1–2):117–31

Hematological indices of peripheral blood in workers occupationally exposed to benzene, toluene and xylene. Moszczyński P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Dec; 178(4):329–39

POISONING

Fanconi's syndrome associated with carburetor fluid intoxication. Rastogi SP, et al. **Am J Clin Pathol** 1984 Jul; 82(1):124–5

Extrapolation from safety data to management of poisoning with reference to amitraz (a formamidine pesticide) and xylene. Bonsall JL, et al. **Hum Toxicol** 1983 Oct;2(4):587–92

Animal studies on the treatment of poisoning by amitraz (a formamidine pesticide) and xylene. Turnbull GJ. **Hum Toxicol** 1983 Oct;2(4):579–86

The nitroblue tetrazolium reduction test in workers exposed to benzene and its homologues. Moszczyński P, et al. **Med Interne** 1983 Jul–Sep;21(3):217–23

[Possibility of studying morphofunctional characteristics of interglandular relations within the neuroendocrine system based on multifactorial analysis by the spline method] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1984;46(5):80–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Praziquantel compared to hexachloroparaxylol in the treatment of far eastern liver fluke infestation of man. Ziegler K, et al. **Bull Inst Marit Trop Med Gdynia** 1982; 33(3–4):195–201

TOXICITY

Induction of morphologically abnormal sperm in rats exposed to O-Xylene. Washington WJ, et al. **Arch Androl** 1983 Dec; 11(3):233–7

Effects of work environment contaminated with benzene, toluene and xylene on acid phosphatase activity in lymphocytes. Moszczyński P, et al. **Folia Haematol (Leipz)** 1983;110(6):948–54

Significant changes in the amounts of neurotransmitter and related substances in rat brain induced by subacute exposure to low levels of toluene and xylene. Honma T, et al. **Ind Health** 1983;21(3):143–51

Prenatal toxicity of xylene. Mirkova E, et al. **J Hyg Epidemiol Microbiol Immunol** 1983;27(3):337–43

[Investigation on the urinary catecholamine of workers in benzene, toluene and xylene plants] Gao GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Nov; 17(6):342–4 (Eng. Abstr.) **(Chi)**

URINE

Urinalysis of minor metabolites of ethylbenzene and m-xylene. Engström KM. **Scand J Work Environ Health** 1984 Apr;10(2):75–81

XYLITOL

ADMINISTRATION & DOSAGE

Dental effects of xylitol compared with other carbohydrates and polyols in the diet of laboratory rats. Grenby TH, et al. **Arch Oral Biol** 1983;28(8):745–58

The efficacy of gum chewing and xylitol to reduce oral glucose clearance time. Mouton C. **Can Dent Assoc J** 1983 Sep;49(9):655–60

[Attention to the dosage limits of xylitol in parenteral feeding (letter)] Schröder R. **Dtsch Med Wochenschr** 1984 Jun 29; 109(26):1047–8 **(Ger)**

ADVERSE EFFECTS

Oxalate-induced encephalitic reactions to polyol-containing infusions during intensive care. Peiffer J, et al. **Clin Neuropathol** 1984 Mar–Apr;3(2):76–87

[Acute kidney failure in secondary renal oxalosis. Additional indications for a causal connection to xylitol infusions] Schultze G, et al. **Infusionsther Klin Ernahr** 1983 Dec; 10(6):322–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Detection and quantitative determination of xylitol by high power liquid chromatography] Kertész P, et al. **Fogorv Sz** 1983 Dec;76(12):373–6 (Eng. Abstr.) **(Hun)**

METABOLISM

Evidence for presence of a xylitol phosphotransferase system in Streptococcus mutans OMZ 176. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Apr; 92(2):89–92

Directed evolution of a second xylitol catabolic pathway in Klebsiella pneumoniae. Doten RC, et al. **J Bacteriol** 1984 Aug;159(2):730–5

[14C]oxalate formation from [U-14C]glucose and [U-14C]xylitol in isolated rat hepatocytes. Ogawa Y, et al. **Nippon Jinzo Gakkai Shi** 1983 Sep;25(9):1079–82

The fermentation of sucrose, sorbitol, and xylitol by Propionibacterium avidum, resulting in the formation of caries-like lesions in enamel. Gallagher IH, et al. **NZ Dent J** 1983 Jul;79(357):75–9

PHARMACODYNAMICS

Further studies on the growth inhibition of some oral bacteria by xylitol. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):261–5

Influence of xylitol on demineralization of enamel. Arends J, et al. **Caries Res** 1984;18(4):296–301

Loss of sensitivity to xylitol by Streptococcus mutans LG-1. Gauthier L, et al. **Caries Res** 1984;18(4):289–95

Anti-cariogenic and remineralizing properties of xylitol in combination with sucrose in rats inoculated with Streptococcus mutans. Havenaar R, et al. **Caries Res** 1984; 18(3):269–77

Stimulation of mixed-function oxidation of 7-ethoxycoumarin in periportal and pericentral regions of the perfused rat liver by xylitol. Belinsky SA, et al. **Eur J Biochem** 1983 Dec 1;137(1–2):1–6

The effect of chewing xylitol gum on the plaque and saliva levels of Streptococcus mutans. Loesche WJ, et al. **J Am Dent Assoc** 1984 Apr;108(4):587–92

The anti-cariogenic potential of xylitol in comparison with sodium fluoride in rat caries experiments. Havenaar R. **J Dent Res** 1984 Feb;63(2):120–3

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. III. Composition and bone resorbing potential of dental plaque. Hurttia H, et al. **Proc Finn Dent Soc** 1984;80(1):20–7

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. V. Response of hamster cheek pouch microcirculation to dental plaque. Luostarinen V, et al. **Proc Finn Dent Soc** 1984;80(1):35–9

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. II. Relative composition of free amino acids in human crevicular fluid. Mäkinen KK, et al. **Proc Finn Dent Soc** 1984;80(1):13–9

Effects on oral health of mouthrinses containing xylitol, sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. I. Clinical findings and analysis of gingival exudate. Paunio K, et al. **Proc Finn Dent Soc** 1984; 80(1):3–12

Effects on oral health of mouthrinses containing xylitol,

sodium cyclamate and sucrose sweeteners in the absence of oral hygiene. IV. Analysis of whole saliva. Tenovuo J, et al. **Proc Finn Dent Soc** 1984;80(1):28–34

Effect of xylitol on dental plaque in vivo during carbohydrate challenge. Wäler SM, et al. **Scand J Dent Res** 1983 Aug; 91(4):256–9

Effects of xylitol on the acid production activity from sorbitol by Streptococcus mutans and human dental plaque. Sasaki N, et al. **Swed Dent J** 1983;7(4):153–60

THERAPEUTIC USE

Xylitol and dental caries. Mäkinen KK, et al. **Annu Rev Nutr** 1982;2:133–50 (105 ref.)

Antitumour action of 1,5-dihalogeno-, and 1, 2-4, 5-dianhydro-xylitol derivatives. Jeney A, et al. **Anticancer Res** 1984 Jan-Apr;4(1-2):23–5

TOXICITY

Urinary excretion of orally administered oxalic acid in xylitol fed mice. Salminen E, et al. **Dev Toxicol Environ Sci** 1983; 11:333–6

XYLOSE

ADMINISTRATION & DOSAGE

Cardiovascular and lymph flow changes caused by physiological hyperosmolar provocation in unanesthetized rats. Quiros G, et al. **Eur Surg Res** 1984;16(2):69–76

ANALYSIS

Xylose distribution within and taxonomy of the genera Bullera and Sporobolomyces. Weijman AC, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):559–62

Phloroglucinol-based colorimetry of xylose in plasma and urine compared with a specific gas-chromatographic procedure. Johnson SL, et al. **Clin Chem** 1984 Sep; 30(9):1571–4

[Micromethod for determining the D-xylose content of blood and urine] Gasanova PO, et al. **Lab Delo** 1984;(6):349–52 (Eng. Abstr.) **(Rus)**

BLOOD

Extrapancreatic effects of a sulphonylurea. Decrease in xylose absorption by glipizide in type II diabetics. Kollind M, et al. **Acta Med Scand** 1984;215(5):443–5

Phloroglucinol microassay for plasma xylose in dogs and horses. Merritt AM, et al. **Am J Vet Res** 1983 Nov; 44(11):2184–5

[Validity of the H2 breath test and limits of blood xylose in the evaluation of malabsorption in children] Roggero P, et al. **Pediatr Med Chir** 1983 May-Jun;5(3):75–8 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Age-dependent alterations of intestinal absorption. II. A clinical study using a modified D-xylose absorption test. Weiner R, et al. **Arch Gerontol Geriatr** 1984 Jul;3(2):97–108

[Evaluation of the D-xylose absorption test: measurement in blood and urine] Lemoyne M, et al. **Union Med Can** 1984 Feb;113(2):138–41 (Eng. Abstr.) **(Fre)**

[Diagnostic value of the 14c-d-xylose versus 14c-glycocholic acid breath tests for bacterial overgrowth] Chen V, et al. **Harefuah** 1984 Apr 1;106(7):305–7 (Eng. Abstr.) **(Heb)**

[Evaluation of the D-xylose test as an indicator of intestinal mucosa damage] Ramírez-Mayans JA, et al. **Bol Med Hosp Infant Mex** 1983 Mar;40(3):131–4 (Eng. Abstr.) **(Spa)**

GENETICS

Isolation and characterization of the Salmonella typhimurium LT2 xylose regulon. Ghangas GS, et al. **J Bacteriol** 1984 Jan;157(1):158–64

ISOLATION & PURIFICATION

Quantitation of xylose from plasma and urine by capillary column gas chromatography. Johnson SL, et al. **Clin Chim Acta** 1984 Feb 14;137(1):13–20

METABOLISM

The effect of cytostatics on the intestinal absorption of D-xylose in patients with malignant lymphoma. Beró T, et al. **Acta Med Hung** 1983;40(4):247–50

ATP depletion promotes deactivation of insulin-stimulated sugar transport in rat soleus muscle. Kaldawi RE, et al. **Arch Biochem Biophys** 1983 Oct 15;226(2):612–7

The requirement of oxygen for incorporation of carbon from D-xylose and D-glucose by Pachysolen tannophilus. Neirinck LG, et al. **Arch Biochem Biophys** 1984 Jan; 228(1):13–21

Inhibitory effects of N-ethylmaleimide on insulin- and oxidant-stimulated sugar transport and on 125I-labelled insulin binding by rat soleus muscle. Kozka IJ, et al. **Biochim Biophys Acta** 1984 Feb 14;797(2):212–20

Inhibition of insulin-stimulated xylose uptake in rat soleus muscle by cycloheximide. Forsayeth JR, et al. **Diabetologia** 1983 Nov;25(5):429–32

Uptake of D-xylose and D-glucose by Spirochaeta aurantia. Roberts S, et al. **J Bacteriol** 1984 Jul;159(1):427–8

Intestinal absorption and structure in iron deficient piglets. Larkin HA, et al. **Res Vet Sci** 1984 Mar;36(2):199–204

[Combined test of intestinal absorption of xylose and glucose] Tomaszewski L, et al. **Pediatr Pol** 1983 Jun;58(6):519–26 (Eng. Abstr.) **(Pol)**

XYLOSIDASES see under **GLYCOSIDE HYDROLASES**

XYLULOSE see under **PENTOSES**

XYY KARYOTYPE see under **SEX CHROMOSOME ABNORMALITIES**

Y CHROMOSOME

The cell surface antigen locus, MIC2X, escapes X-inactivation. Goodfellow P, et al. **Am J Hum Genet** 1984 Jul;36(4):777–82

Localization of messenger RNA-specifying sequences to the human Y chromosome [letter] Kuo MT. **Am J Hum Genet** 1984 Jul;36(4):932–4

A molecular method for detecting the presence of the human Y chromosome. Friesen H, et al. **Am J Med Genet** 1984 Jun;18(2):289–94

Regional localization of 3 Y-derived sequences on the human X and Y chromosomes. Wolfe J, et al. **Ann Hum Genet** 1984 Jul;48 (Pt 3):253–9

Variability of euchromatic and heterochromatic segment of the Y chromosome in men with malignant tumors and in a control group. Petković I. **Cancer Genet Cytogenet** 1984 Sep;13(1):29–36

Marker chromosomes in parents to children with Down's syndrome. Annerén G, et al. **Clin Genet** 1984 Feb; 25(2):140–7

Two cases of prenatal diagnosis of a satellited Yq chromosome. Bayless-Underwood L, et al. **Clin Genet** 1983 Nov;24(5):359–64

Cytogenetic studies of a patient with mosaicism of isochromosome 13q and a dicentric (Y;13) translocation showing differential centromeric activity. Ing PS, et al. **Clin Genet** 1983 Sep;24(3):194–9

Characterization of a Y/15 translocation by banding methods, distamycin A treatment of lymphocytes and DNA restriction endonuclease analysis. Schmid M, et al. **Clin Genet** 1983 Oct;24(4):234–9

Atypical gonadal dysgenesis: the role of Yq in determining phenotype and malignancy risk. Tyrkus M, et al. **Clin Genet** 1984 Mar;25(3):259–66

X;Y translocation in a female with streak gonads, H-Y-phenotype, and some features of Turner's syndrome. Kelly TE, et al. **Cytogenet Cell Genet** 1984;38(2):122–6

An X1X1X2X2/X1X2Y mechanism of sex determination in a South American rodent, Deltamys kempi (Rodentia, Cricetidae). Sbalqueiro IJ, et al. **Cytogenet Cell Genet** 1984; 38(1):50–5

Purifying human Y chromosomes by flow cytometry and sorting. Fantes JA, et al. **Cytometry** 1983 Jul;4(1):88–91

Involvement of Y chromosomal loci in the synthesis of Drosophila hydei sperm proteins. Hulsebos TJ, et al. **Dev Biol** 1983 Nov;100(1):238–43

Chromosomal abnormalities in human sperm: comparisons among four healthy men. Brandriff B, et al. **Hum Genet** 1984;66(2-3):193–201

Use of repetitive DNA for diagnosis of chromosomal rearrangements. Burk RD, et al. **Hum Genet** 1983; 64(4):339–42

Chromosome anomalies in 136 couples with a history of recurrent abortions. Diedrich U, et al. **Hum Genet** 1983; 65(1):48–52

Prenatal identification of a deleted Y chromosome by cytogenetics and a Y-specific repetitive DNA probe. Disteche C, et al. **Hum Genet** 1984;67(2):222–4

The use of cloned Y chromosome-specific DNA probes for fetal sex determination in first trimester prenatal diagnosis. Gosden JR, et al. **Hum Genet** 1984;66(4):347–51

Estimation of aneuploidy levels in human spermatozoa using chromosome specific probes and in situ hybridisation. Joseph AM, et al. **Hum Genet** 1984;66(2-3):234–8

Y-dependent polypeptides identified by two-dimensional gel electrophoresis of monozygotic X0 and XY fibroblasts. Müller U, et al. **Hum Genet** 1984;67(1):108–10

Cytogenic investigation of 103 patients with primary or secondary amenorrhea. Opitz O, et al. **Hum Genet** 1983; 65(1):46–7

Y chromosome R-bands [letter] Richer CL, et al. **Hum Genet** 1984;67(2):240

Quantitative analysis of C bands in chromosomes 1, 9, 16 and Y in Caucasian and Japanese males. Cavalli IJ, et al. **Hum Hered** 1984;34(1):62–4

Male-specific transplantation antigen expression by XY teratocarcinomas PCC7 and 7'. Johnson LL, et al. **Immunogenetics** 1984;19(3):233–41

Inherited sex reversal in mice: identification of a new primary sex-determining gene. Eicher EM, et al. **J Exp Zool** 1983 Nov;228(2):297–304

Yq deletion with short stature, abnormal male development, and schizoid character disorder. Kosztolányi G, et al. **J Med Genet** 1983 Oct;20(5):393–4

Balanced rearrangements of the autosomes: results of a longitudinal study of a newborn survey population. Tierney I, et al. **J Med Genet** 1984 Feb;21(1):45–51

Cytogenetic identification of allogeneic epidermal Langerhans cells in a bone-marrow-graft recipient [letter] Volc-Platzer B, et al. **N Engl J Med** 1984 Apr 26; 310(17):1123–4

Y chromosome fluorescence in 10-year old bloodstains. Ishizu H, et al. **Nippon Hoigaku Zasshi** 1983 Aug; 37(4):387–91

Heat stability of Y-chromatin in blood smears. Tsutsumi A. et al. **Nippon Hoigaku Zasshi** 1983 Dec;37(6):777–82

Primary amenorrhea and virilization in a true hermaphrodite with a rare dicentric Y chromosome. Sloan MS, et al. **Obstet Gynecol** 1984 Sep;64(3 Suppl):64S–67S

[Presence of a large Y chromosome in familial amyotrophic lateral sclerosis] Tan YD. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1983 Aug; 16(4):201–5 (Eng. Abstr.) **(Chi)**

[Hypospadia and incomplete penoscrotal transposition in a boy with the partial deletion of the long arm of the Y chromosome] Fujita Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1983 Dec;74(12):2154–8 (Eng. Abstr.) **(Jpn)**

[Significance of H-Y antigen in Y-linked gene and sex differentiation] Ono S. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Aug; 35(8):1133–42 (32 ref.) **(Jpn)**

[The human Y chromosome] Boczkowski K. **Pol Tyg Lek** 1983 Sep 19;38(38):1161–2 **(Pol)**

[Antenatal determination of the genetic sex of amniotic fluid cells] Mancinelli S, et al. **Rev Med Chil** 1983 Jan; 111(1):17–20 (Eng. Abstr.) **(Spa)**

[Loss of the Y chromosome in hematologic disorders. Possible significance] Benítez J, et al. **Sangre (Barc)** 1983; 28(3):286–93 (Eng. Abstr.) **(Spa)**

ANALYSIS

Rapid and early determination of sex using trophoblast biopsy specimens and Y chromosome specific DNA probes. Vergnaud G, et al. **Br Med J [Clin Res]** 1984 Jul 14; 289(6437):73–6

Polymorphism of the human Y chromosome: the evaluation of the correlation between the DNA content and the size of the heterochromatin and euchromatin. Skawiński W, et al. **Clin Genet** 1984 Feb;25(2):125–30

The effect of heating on Y-chromosome detection. Tomita M, et al. **Forensic Sci Int** 1984 Jan;24(1):43–9

Extensive sequence homologies between Y and other human chromosomes. Bishop C, et al. **J Mol Biol** 1984 Mar 15; 173(4):403–17

A DNA fragment from the human X chromosome short arm which detects a partially homologous sequence on the Y chromosomes long arm. Koenig M, et al. **Nucleic Acids Res** 1984 May 25;12(10):4097–109

[Fluorescence of the Y chromosome and male sterility] Dupont H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1983; 12(6):593–5 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

A Y-translocation method for localizing enzyme genes on Drosophila polytene chromosomes. Sperlich D, et al. **Experientia** 1984 Feb 15;40(2):203–6

IMMUNOLOGY

The genetics of the H-Y antigen system and its role in sex determination. Meck JM. **Perspect Biol Med** 1984 Summer; 27(4):560–84

PHYSIOLOGY

Y-encoded, species-specific DNA in mice: evidence that the Y chromosome exists in two polymorphic forms in inbred strains. Lamar EE, et al. **Cell** 1984 May;37(1):171–7

Influence of Y and X chromosomes on B cell responses in autoimmune prone mice. Rosenberg YJ, et al. **J Immunol** 1984 Mar;132(3):1261–4

Sixth Gordon Arthur Ransome oration. The Y chromosome: its functions and impact on modern society. Wong HB. **J Singapore Paediatr Soc** 1983;25(1-2):14–32

A model for mammalian male determination based on a passive Y chromosome. Chandra HS. **MGG** 1984; 193(3):384–8

Direct hybridization of sorted human chromosomes: localization of the Y chromosome on the flow karyotype. Bernheim A, et al. **Proc Natl Acad Sci USA** 1983 Dec; 80(24):7571–5

ULTRASTRUCTURE

Familial pericentric inversion of the Y chromosome. Tóth A, et al. **Ann Genet (Paris)** 1984;27(1):60–1

The morphological sequence of XY pairing in the Norway rat Rattus norvegicus. Joseph AM, et al. **Chromosoma** 1984; 89(5):381–6

Y chromosome length related to fetal loss. Westlake JR, et al. **Clin Genet** 1983 Dec;24(6):413–9

Peripheral location of the Y chromosome: relationship to race and length heteromorphism. Verma RS, et al. **Heredity (Edinburgh)** 1984 Apr;52 (Pt 2):227–34

Satellited Y chromosomes: structure, origin, and clinical significance. Schmid M, et al. **Hum Genet** 1984;67(1):72–85

The use of distamycin A in human lymphocyte cultures. Schmid M, et al. **Hum Genet** 1984;65(4):377–84

Spatial relationship of human X and Y chromosomes at

somatic metaphase. Dosik D, et al. **J Med Genet** 1983 Dec; 20(6):450–1

Loss of the Y chromosome in a cultured human salivary-gland adenocarcinoma. Sterman G, et al. **J Oral Pathol** 1983 Dec;12(6):458–64

Occurrence of a transposition from the X-chromosome long arm to the Y-chromosome short arm during human evolution. Page DC, et al. **Nature** 1984 Sep 13–19; 311(5982):119–23

Lampbrush loop-specific protein of Drosophila hydei. Hulsebos TJ, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(11):3404–8

Recognition of the Y chromosome of cattle and buffaloes. Halnan CR, et al. **Vet Rec** 1982 Jan 30;110(5):107

[Translocation (8q–; 21q+) with loss of chromosome Y in acute myeloblastic leukemia in children] Verellen-Dumoulin C, et al. **J Genet Hum** 1983 Mar; 31(1):57 **(Fre)**

[Pericentric inversion of the Y chromosome as an exclusion constellation] Bullerdiek J, et al. **Anthropol Anz** 1984 Mar; 42(1):67–72 (Eng. Abstr.) **(Ger)**

[Polymorphism of the human Y chromosome] Parcheta B. **Pol Tyg Lek** 1983 Sep 19;38(38):1189–90 (36 ref.) **(Pol)**

[Heterochromatic regions of human chromosomes 1, 9, 16 and Y and the phenotype] Podgol'nikova OA, et al. **Genetika (Moskva)** 1984 Mar;20(3):496–500 (Eng. Abstr.) **(Rus)**

[Polymorphism of the heterochromatic regions of chromosomes 1, 9, 16 and Y and mental retardation] Podugol'nikova OA, et al. **Genetika (Moskva)** 1984 Jan; 20(1):177–82 (Eng. Abstr.) **(Rus)**

[Polymorphism of the chromosome Q-segments in phenotypically healthy persons of the native population of the Latvian SSR] Krumin' AR, et al. **Tsitol Genet** 1983 Jul–Aug;17(4):54–8 (Eng. Abstr.) **(Rus)**

YABA VIRUS

GROWTH & DEVELOPMENT

The morphogenesis of Yaba monkey tumor virus in a cynomolgus monkey kidney cell line. Rouhandeh H, et al. **J Ultrastruct Res** 1984 Jan;86(1):100–5

YAWS

DIAGNOSIS

[The differential diagnosis of indolent ulcers upon return from the Tropics: frambesia] Schmutz J, et al. **Schweiz Med Wochenschr** 1984 Jun 16;114(24):880–2 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Fluctuations in antibody levels in infection with Treponema pertenue. A four-year follow-up of Karkar islanders with early yaws. Reid MS, et al. **Australas J Dermatol** 1983 Aug; 24(2):71–8

YEAST, DRIED

see related
SACCHAROMYCES CEREVISIAE

ADMINISTRATION & DOSAGE

[A source of exogenous intake of vitamin D: brewer's yeast (Saccharomyces cerevisiae) (letter)] Guillot M, et al. **Arch Fr Pediatr** 1984 Apr;41(4):295 **(Fre)**

ADVERSE EFFECTS

Pseudoporphyria associated with consumption of brewers' yeast. Lim CK, et al. **Br Med J [Clin Res]** 1984 Jun 2; 288(6431):1640–2

DIAGNOSTIC USE

Subplantar yeast injection induces a non-naloxone reversible antinociception in spontaneously hypertensive rats. Chipkin RE, et al. **Brain Res** 1984 Jun 11;303(1):1–6

METABOLISM

[Comparative biological value of protein hydrolysates and their fortified forms] Safronova AM, et al. **Vopr Pitan** 1984 May–Jun;(3):41–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of chromium and yeast supplements on carbohydrate and lipid metabolism in diabetic men. Rabinowitz MB, et al. **Diabetes Care** 1983 Jul–Aug;6(4):319–27

Preliminary studies on the effect of yeast culture supplementation on nitrate/nitrite induced methemoglobinemia in lambs and steers. Horn GW, et al. **Vet Hum Toxicol** 1984 Aug;26(4):309–13

[Treatment of functional colopathies: double-blind trial with perenterol] Delforge M, et al. **Rev Med Liege** 1983 Dec 1;38(23):885–8 **(Fre)**

[Further study of immunopotentiation in experimental antiblastic therapy by inactivated yeasts and glucan] Delfina Pesce C, et al. **Ann Ist Super Sanita** 1982; 18(3):509–12 (Eng. Abstr.) **(Ita)**

TOXICITY

[Biogenic amines and immunoglobulins in workers occupationally exposed to chemical and biological allergens] Kryzhanovskaia NA, et al. **Gig Tr Prof Zabol** 1984 Apr;(4):26–9 (Eng. Abstr.) **(Rus)**

YEASTS

Effects of preparation-H on wound healing in the rectum of man. Subramanyam K, et al. **Dig Dis Sci** 1984 Sep; 29(9):829–32

High-chromium yeast for acne? McCarty M. **Med Hypotheses** 1984 Jul;14(3):307–10

[Infection with yeasts-like fungi following kidney transplantation] Kudriavskaia VM, et al. **Vrach Delo** 1983 Aug;(8):59–62 (Eng. Abstr.) **(Rus)**

ANALYSIS

Steroid hormone systems found in yeast [news] Kolata G. **Science** 1984 Aug 31;225(4665):913–4

[Determination of free and bound ergosterol in microorganisms] Müller H, et al. **Z Allg Mikrobiol** 1984; 24(1):61–4 (Eng. Abstr.) **(Ger)**

[Fatty acid composition of the lipids of yeasts differing in radioresistance] Goncharenko EN, et al. **Biol Nauki** 1983; (11):28–31 (Eng. Abstr.) **(Rus)**

[Two-dimensional polyacrylamide gel electrophoresis in the study of yeast mitochondrial transfer RNA] Martin RP, et al. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1117–25 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Collaborative evaluation of the Abbott yeast identification system. Cooper BH, et al. **J Clin Microbiol** 1984 Jun; 19(6):853–6

Strain differentiation of pathogenic yeasts by the killer system. Morace G, et al. **Mycopathologia** 1984 Feb 15; 84(2–3):81–5

CYTOLOGY

Molecular aspects of fungal dimorphism. San-Blas G, et al. **CRC Crit Rev Microbiol** 1984;11(2):101–27 (125 ref.)

Regional variations in viable bacterial and yeast counts of 1-week-old denture plaque in denture-induced stomatitis. Budtz-Jörgensen E, et al. **Scand J Dent Res** 1983 Aug; 91(4):288–95

DRUG EFFECTS

Toxicity of nickel to microbes: environmental aspects. Babich H, et al. **Adv Appl Microbiol** 1983;29:195–265

Sensitivity of heat-stressed yeasts to essential oils of plants. Conner DE, et al. **Appl Environ Microbiol** 1984 Feb; 47(2):229–33

Comparison of the killer toxin of several yeasts and the purification of a toxin of type K2. Pfeiffer P, et al. **Arch Microbiol** 1984 Apr;137(4):357–61

Antimicrobial activity of 21 anti-neoplastic agents. Hamilton-Miller JM. **Br J Cancer** 1984 Mar;49(3):367–9

Toxicities of selected phenols to fermentative and oxidative yeasts. Kwasniewska K, et al. **Bull Environ Contam Toxicol** 1983 Aug;31(2):188–94

Relative inhibition factors—a novel approach to the assessment of antifungal antibiotics in vitro. Odds FC, et al. **J Antimicrob Chemother** 1984 Jan;13(1):31–43

The influence of incubation temperature and pH on the antimicrobial properties of hen egg albumen. Tranter HS, et al. **J Appl Bacteriol** 1984 Feb;56(1):53–61

Evaluation of in vitro antifungal activity of Ketoconazole and Griseofulvin. Uppal TB. **JPMA** 1983 Sep;33(9):230–4

[Effect of certain factors on the growth of bacteria contaminating hydrolysis yeast production and of yeasts assimilating and not assimilating methanol] Kostov V, et al. **Acta Microbiol Bulg** 1983;13:46–55 (Eng. Abstr.) **(Bul)**

[Sensitivity of yeasts and filamentous fungi to antifungal agents: comparative in vitro studies] Guglielminetti M, et al. **Farmaco [Prat]** 1984 May;39(5):139–47 (Eng. Abstr.) **(Ita)**

[Effect of 2-amino-2-thiazoline on the sulfhydryl group content of yeasts of various degrees of radiosensitivity] Zolotareva LT, et al. **Biol Nauki** 1984;(5):34–6 (Eng. Abstr.) **(Rus)**

[Yeast resistance to polyene antibiotics. II. An analysis of the sterol composition of Saccharomyces cerevisiae yeasts resistant to nystatin] Levchenko AB, et al. **Genetika (Moskva)** 1984 Jul;20(7):1088–93 (Eng. Abstr.) **(Rus)**

[Yeast resistance to polyene antibiotics. III. Phenotypic analysis of polyene-resistant sterol mutants of Saccharomyces cerevisiae yeasts] Rodina LV, et al. **Genetika (Moskva)** 1984 Jul;20(7):1094–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Source and avoidance of the 'nothing dehydrogenase' effect, a spurious band produced during polyacrylamide gel electrophoresis of dehydrogenase enzymes from yeast. Marshall JH, et al. **Anal Biochem** 1984 Jun;139(2):359–62

Yeast carbamyl phosphate synthetase. Structure of the yeast gene and homology to Escherichia coli carbamyl phosphate synthetase. Lusty CJ, et al. **J Biol Chem** 1983 Dec 10; 258(23):14466–77

GENETICS

The molecular structure of centromeres and telomeres. Blackburn EH. **Annu Rev Biochem** 1984;53:163–94 (124 ref.)

Yeast DNA plasmids. Gunge N. **Annu Rev Microbiol** 1983; 37:253–76 (250 ref.)

Genetic improvement of industrial yeasts. Spencer JF, et al. **Annu Rev Microbiol** 1983;37:121–42 (116 ref.)

Characterization of the yeast mitochondrial locus necessary for tRNA biosynthesis: DNA sequence analysis and identification of a new transcript. Miller DL, et al. **Cell** 1983 Oct;34(3):911–7

Transformation of Kluyveromyces lactis with the kanamycin (G418) resistance gene of Tn903. Sreekrishna K, et al. **Gene** 1984 Apr;28(1):73–81

oli1 Transcripts in wild type and in a cytoplasmic 'petite' mutant of yeast. Thalenfeld BE, et al. **J Biol Chem** 1983 Dec 10;258(23):14065–8

The intron of the mitochondrial 21S rRNA gene: distribution in different yeast species and sequence comparison between Kluyveromyces thermotolerans and Saccharomyces cerevisiae. Jacquier A, et al. **MGG** 1983;192(3):487–99

Isolation and characterization of sequences from mouse chromosomal DNA with ARS function in yeasts. Roth GE, et al. **Mol Cell Biol** 1983 Nov;3(11):1898–908

The yeast linear DNA killer plasmids, pGKL1 and pGKL2, possess terminally attached proteins. Kikuchi Y, et al. **Nucleic Acids Res** 1984 Jul 25;12(14):5685–92

Nucleotide sequence and transcription analysis of a linear DNA plasmid associated with the killer character of the yeast Kluyveromyces lactis. Stark MJ, et al. **Nucleic Acids Res** 1984 Aug 10;12(15):6011–30

[Regulation of yeast gene Leu 2 expression in Escherichia coli by IS1 element] Kashkin PK, et al. **Genetika (Moskva)** 1983 Dec;19(12):2072–4 (Eng. Abstr.) **(Rus)**

[Yeast mitochondrial transfer RNA. Structure, coding properties and genome organization] Martin RP, et al. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1126–46 (55 ref.) (Eng. Abstr.) **(Rus)**

[Possible role of tRNA1Lys in the splicing of mitochondrial transcripts in yeasts] Soldla TR. **Mol Biol (Mosk)** 1983 Nov–Dec;17(6):1154–61 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Growth of Candida famata and Trichosporon cutaneum on uric acid as the sole source of carbon and energy, a hitherto unknown property of yeasts. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1983 Nov;49(4–5):361–8

The requirement of oxygen for incorporation of carbon from D-xylose and D-glucose by Pachysolen tannophilus. Neirinck LG, et al. **Arch Biochem Biophys** 1984 Jan; 228(1):13–21

A new naphthaquinone antibiotic from a new species of yeast. Flegel TW, et al. **J Antibiot (Tokyo)** 1984 Apr;37(4):325–9

Effect of sodium chloride and potassium chloride on growth response of yeasts Saccharomyces uvarum and Kloeckera brevis to free vitamin B6. Guilarte TR. **J Assoc Off Anal Chem** 1984 May–Jun;67(3):617–20

Antagonistic activity of Debaryomyces hansenii towards Clostridium tyrobutyricum and Cl. butyricum. Fatichenti F, et al. **J Dairy Res** 1983 Nov;50(4):449–57

The microbiology of selected retail food products with an evaluation of viable counting methods. Greenwood MH, et al. **J Hyg (Lond)** 1984 Feb;92(1):67–77

IMMUNOLOGY

The effect of C3 levels on yeast opsonization by normal and pathological sera: identification of a complement independent opsonin. Kerr MA, et al. **Clin Exp Immunol** 1983 Dec;54(3):793–800

Yeast opsonization and phagocytosis studied by a visual assay and measurement of neutrophil chemiluminescence. Vernon J, et al. **J Clin Lab Immunol** 1984 Jun;14(2):93–7

[Antitumor immunoadjuvants of microbial origin: the limitations in the immune system and microbial structure] Cassone A. **Ann Ist Super Sanita** 1982;18(3):497–500 (10 ref.) (Eng. Abstr.) **(Ita)**

[Antitumor immunoadjuvant activity and the immunoregulatory mechanisms of yeasts and their components] Marconi P, et al. **Ann Ist Super Sanita** 1982; 18(3):501–8 (91 ref.) (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Ecology of pathogenic yeasts in Amazonian soil. Mok WY, et al. **Appl Environ Microbiol** 1984 Feb;47(2):390–4

Effects of atmosphere of incubation on recovery of bacteria and yeasts from blood cultures in Tryptic soy broth. Ilstrup DM, et al. **Diagn Microbiol Infect Dis** 1983 Sep;1(3):215–9

A note on an improved molybdate agar for the selective isolation of yeasts from tropical fruits. Rale VB, et al. **J Appl Bacteriol** 1984 Jun;56(3):409–13

Isolation and identification of yeasts and yeastlike organisms from clinical veterinary sources. Chengappa MM, et al. **J Clin Microbiol** 1984 Mar;19(3):427–8

Comparative recovery of bacteria and yeasts from lysis-centrifugation and a conventional blood culture

system. Kiehn TE, et al. **J Clin Microbiol** 1983 Aug; 18(2):300–4

Evaluation of API microtube GT system for detection of germ tube production by clinically significant yeasts. Philip A, et al. **J Clin Microbiol** 1983 Nov;18(5):1280–1

Mycotic abortions in equines. Monga DP, et al. **Mykosen** 1983 Dec;26(12):612–4

Microbiologic aspects of mastitis diagnosis. Shotts EB Jr, et al. **Vet Clin North Am [Large Anim Pract]** 1984 Jul; 6(2):247–55

Unsuitability of blood culture media containing sodium polyanetholesulfonate for the detection of fastidious microorganism in CSF and other blood-free body fluids. Abdou MA, et al.
Zentralbl Bakteriol Mikrobiol Hyg [A] 1983 Mar; 254(1):109–17

[Microbiological studies of Mladost sour milk] Mladenov MG, et al. **Vet Med Nauki** 1984;21(1):103–9 (Eng. Abstr.) **(Bul)**

[Relative frequency of a number of fungi and yeasts pathogenic for humans and animals found in the Netherlands in the period 1970–1980] de Vries GA, et al. **Ned Tijdschr Geneeskd** 1984 Mar 17;128(11):498–502 (Eng. Abstr.) **(Dut)**

[Incidence of infection by yeasts in neurosurgical resuscitation. 2-year evaluation] Millet A, et al.
Agressologie 1983 May;24(6):249–51 (Eng. Abstr.) **(Fre)**

[Incidence and clinical significance of fungi occurring in the vaginal region] Jenny J. **Schweiz Rundsch Med Prax** 1984 Feb 14;73(7):197–201 (Eng. Abstr.) **(Ger)**

[Microbial flora in surface waters of the Valdivia River (Chile)] Schoebitz R. **Zentralbl Veterinarmed [B]** 1983 Dec; 30(10):775–84 (Eng. Abstr.) **(Spa)**

METABOLISM

The significance of peroxisomes in the metabolism of one-carbon compounds in yeasts. Veenhuis M, et al.
Adv Microb Physiol 1983;24:1–82 (197 ref.)

Electron transport system activity in soil, sediment, and pure cultures. Trevors JT. **CRC Crit Rev Microbiol** 1984; 11(2):83–100 (65 ref.)

Expression of hepatitis B surface antigen in yeast. Harford N, et al. **Dev Biol Stand** 1983;54:125–30

Catabolite repression in yeasts is not associated with low levels of cAMP. Eraso P, et al. **Eur J Biochem** 1984 May 15;141(1):195–8

Microbes I have known: a study of those associated with fermented products. Carr JG. **J Appl Bacteriol** 1983 Dec; 55(3):383–401

Dicyclohexylcarbodiimide blocks proton ejection and affects antimycin binding but not electron transport in complex III from yeast mitochondria. Clejan L, et al.
J Biol Chem 1983 Dec 10;258(23):14271–5

[Respiratory activity of methanol-assimilating yeasts] Denchev D, et al. **Acta Microbiol Bulg** 1984;14:5–10 (Eng. Abstr.) **(Bul)**

[Microorganisms as potential producers of essential fatty acids] Dediukhina EG, et al. **Biol Nauki** 1984;(2):5–16 (61 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Liquid nitrogen storage of yeast cultures. II. Stability of characteristics of stored strains. Kocková-Kratochvílová A, et al. **Antonie Van Leeuwenhoek** 1983 Dec;49(6):571–8

Acceleration of wound healing by a live yeast cell derivative. Kaplan JZ. **Arch Surg** 1984 Sep;119(9):1005–8

The occurrence of killer characters in yeasts. Rosini G.
Can J Microbiol 1983 Oct;29(10):1462–4

Biogenesis of the yeast cell wall. Sentandreu R, et al.
Subcell Biochem 1984;10:193–235 (246 ref.)

[The homogeneity of a population of yeasts from Camembert cheeses] Schmidt JL, et al. **Ann Microbiol (Paris)** 1983 May–Jun;134(3):399–409 (Eng. Abstr.) **(Fre)**

[Effect of cyclic changes in culture conditions on the growth kinetics and physiological characteristics of yeasts] Sokolov DP, et al. **Mikrobiologiia** 1983 Nov–Dec;52(6):909–16 (Eng. Abstr.) **(Rus)**

YELLOW FEVER

DIAGNOSIS

Detection of yellow fever virus in serum by enzyme immunoassay. Monath TP, et al. **Am J Trop Med Hyg** 1984 Jan;33(1):151–7

[Direct immunofluorescence demonstration of yellow fever antigens in hepatic tissue pre-treated with trypsin] Schatzmayr HG, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):93–9 (Eng. Abstr.) **(Por)**

HISTORY

Epidemiological method in the 1860s: yellow fever at Saint-Nazaire. Coleman W. **Bull Hist Med** 1984 Summer; 58(2):145–63

Josiah Clark Nott, insects, and yellow fever. Chernin E.
Bull NY Acad Med 1983 Nov;59(9):790–802

Classics in infectious diseases. The etiology of yellow fever: a preliminary note. Walter Reed, James Carroll, A. Agramonte, and Jesse W. Lazear, Surgeons, U.S. Army. The Philadelphia Medical Journal 1900. Reed W, et al. **Rev Infect Dis** 1983 Nov–Dec;5(6):1103–11

Yellow fever research [letter] Franklin J, et al. **Science** 1984 Jun 8;224(4653):1043–4, 1128

The unsung hero of yellow fever? Norman C. **Science** 1984 Mar 30;223(4643):1370–2

[Public health and sanitation in the Panama Canal Zone: a historical account, 1880–1915] Guardia CA.
Bol Of Sanit Panam 1983 Jul;95(1):62–73 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Epidemic yellow fever in Upper Volta [letter] Baudon D, et al. **Lancet** 1984 Jul 7;2(8393):42

[Epidemiology of yellow fever in Central Africa (letter)] Werner GT, et al. **Dtsch Med Wochenschr** 1984 Jul 13; 109(28–29): 1135–6 **(Ger)**

PREVENTION & CONTROL

The problems of Aedes aegypti control in the Americas. Uribe LJ. **Bull Pan Am Health Organ** 1983;17(2):133–41

Leads from the MMWR. Yellow fever vaccine. **JAMA** 1984 Jan 27;251(4):442–3

Yellow fever vaccine. **MMWR** 1984 Jan 6;32(52):679–82, 687–8

[Evaluation of the coverage of the vaccine against yellow fever in Boa Vista, Federal Territory of Roraima] Passos AD, et al. **Rev Bras Malariol Doencas Trop** 1982;34:32–9 (Eng. Abstr.) **(Por)**

YELLOW FEVER VIRUS

DRUG EFFECTS

The inhibition of yellow fever virus multiplication by suramin: a preliminary note. Croon JJ, et al.
Acta Leiden 1980 Dec;48:5–8

GROWTH & DEVELOPMENT

The effect of colonization upon aedes aegypti susceptibility to oral infection with yellow fever virus. Lorenz L, et al.
Am J Trop Med Hyg 1984 Jul;33(4):690–4

IMMUNOLOGY

Yellow fever monoclonal antibodies: type-specific and cross-reactive determinants identified by immunofluorescence. Monath TP, et al.
Am J Trop Med Hyg 1984 Jul;33(4):695–8

Yellow fever vaccine and avian leukosis virus [letter] Nottebart HC Jr. **Ann Intern Med** 1984 Jul;101(1):148

Dengue 2 vaccine: dose response in volunteers in relation to yellow fever immune status. Scott RM, et al.
J Infect Dis 1983 Dec;148(6):1055–60

Leads from the MMWR. Yellow fever vaccine. **JAMA** 1984 Jan 27;251(4):442–3

Yellow fever vaccine. **MMWR** 1984 Jan 6;32(52):679–82, 687–8

Immunoperoxidase detection of Yellow Fever virus after natural and experimental infections. de la Monte SM, et al. **Trop Geogr Med** 1983 Sep;35(3):235–41

[Direct immunofluorescence demonstration of yellow fever antigens in hepatic tissue pre-treated with trypsin] Schatzmayr HG, et al. **Mem Inst Oswaldo Cruz** 1984 Jan–Mar;79(1):93–9 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Antibody-mediated infection of P388D1 cells with 17D yellow fever virus: effects of chloroquine and cytochalasin B. Brandriss MW, et al. **J Gen Virol** 1984 Apr;65 (Pt 4):791–4

YERSINIA

Warning: plague, not pseudotuberculosis [letter] Howie J.
Lancet 1983 Oct 8;2(8354):855

ANALYSIS

D-3-Dodecanoyltetradecanoic acid as a constituent of lipid A from the lipopolysaccharide of Yersinia pseudotuberculosis. Krasikova IN, et al. **Experientia** 1984 Jul 15;40(7):709–10

CLASSIFICATION

[Use of the coagglutination reaction for the detection and rapid identification of the causative agents of intestinal yersiniosis and pseudotuberculosis] Koroliuk AM.
Lab Delo 1984;(4):250–2 (Eng. Abstr.) **(Rus)**

[Method for producing monoreceptor pseudotuberculosis sera] Tseneva GIa, et al. **Lab Delo** 1983;(10):54–5 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Action of sodium chloride on Yersinia pseudotuberculosis and Yersinia enterocolitica] Sivolodskii EP, et al.
Zh Mikrobiol Epidemiol Immunobiol 1983 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Fermentative mechanisms of the psychrophilicity of Yersinia tuberculosis] Somov GP, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 Feb;(2):42–7 (Eng. Abstr.) **(Rus)**

GENETICS

Molecular cloning of the temperature-inducible outer membrane protein 1 of Yersinia pseudotuberculosis. Bölin I, et al. **Infect Immun** 1984 Jan;43(1):72–8

Characterization of common virulence plasmids in Yersinia species and their role in the expression of outer membrane proteins. Portnoy DA, et al. **Infect Immun** 1984 Jan; 43(1):108–14

Study of the incompatibility and replication of the 70-kb virulence plasmid of Yersinia. Bakour R, et al. **Plasmid** 1983 Nov;10(3):279–89

IMMUNOLOGY

Yersiniose, a new branched-chain sugar. Gorshkova RP, et al. **Carbohydr Res** 1984 Mar 15;126(2):308–12

Structure of the O-chain of the phenol-phase soluble cellular lipopolysaccharide of Yersinia enterocolitica serotype O:9. Caroff M, et al. **Eur J Biochem** 1984 Feb 15;139(1):195–200

[Immunologic response to Yersinia antigens in patients with various rheumatic diseases] Zaremba M, et al.
Reumatologia 1984;22(1):35–45 (Eng. Abstr.) **(Pol)**

[Elaboration and trial of an immunoglobulin erythrocyte diagnostic agent for detecting the causative agent of pseudotuberculosis and its antibodies] Tseneva GIa, et al.
Tr Inst Pastera 1981;56:71–4 **(Rus)**

ISOLATION & PURIFICATION

Isolation of Yersinia enterocolitica and related species from porcine samples obtained from an abattoir. Harmon MC, et al. **J Appl Bacteriol** 1984 Jun;56(3):421–7

Prospective systematic study of Yersinia spp. in dogs. Fukushima H, et al. **J Clin Microbiol** 1984 May; 19(5):616–22

Isolation of Yersinia spp. from bovine feces. Fukushima H, et al. **J Clin Microbiol** 1983 Oct;18(4):981–2

Isolation of Yersinia pseudotuberculosis from bovine calves with enteric disorders. Behra GD, et al.
Microbiol Immunol 1984;28(2):237–41

Yersinia spp. in surface water in Matsue, Japan. Fukushima H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Jun; 179(3):236–47

[Strains of Yersinia sp. isolated from samples of raw milk and bovine and human feces in the province of Rovigo] Pugina P, et al. **Boll Ist Sieroter Milan** 1984 May 31; 63(2):100–3 (Eng. Abstr.) **(Ita)**

[Isolation of Salmonella and Yersinia from human feces and surface water in the province of Ferrara in 1980] Bucci G, et al. **G Batteriol Virol Immunol** 1982 Jan–Jun; 75(1–6):122–7 (Eng. Abstr.) **(Ita)**

[Bioserotypes of Yersinia isolated in Italy from 1979 to 1982] Fantasia Mazzotti M, et al. **Nuovi Ann Ig Microbiol** 1983 Nov–Dec;34(6):437–46 (Eng. Abstr.) **(Ita)**

[Experience in isolating microbes of the genus Yersinia from environmental objects using several nutrient media] Chistiakov VI, et al. **Tr Inst Pastera** 1983;60:103–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Pigmented strains of Yersinia intermedia isolated from water. Melis R, et al. **Ann Microbiol (Paris)** 1983 Sep–Oct; 134(2):347–51

PATHOGENICITY

Pathogenicity of 42–44 Mdal plasmid positive and negative Yersinia pseudotuberculosis I and Yersinia enterocolitica 0:8 and 0:9 studied in the guinea pig eye model (Serény test). Mäki M, et al.
Acta Pathol Microbiol Immunol Scand [B] 1983 Aug; 91(4):241–4

Relationship of virulence-associated autoagglutination to hemagglutinin production in Yersinia enterocolitica and Yersinia enterocolitica-like bacteria. Kapperud G, et al.
Infect Immun 1983 Oct;42(1):163–9

Characterization and pathogenicity of Yersinia pseudotuberculosis isolated from swine and other animals. Tsubokura M, et al. **J Clin Microbiol** 1984 Jun;19(6):754–6

Roles of V antigen in promoting virulence and immunity in yersiniae. Une T, et al. **J Immunol** 1984 Oct; 133(4):2226–30

Cytotoxicity and calcium-dependent antigen of Yersinia. Okamoto K, et al. **Microbiol Immunol** 1984;28(1):33–49

The Vwa+ virulence factor of yersiniae: the molecular basis of the attendant nutritional requirement for Ca++. Brubaker RR. **Rev Infect Dis** 1983 Sep–Oct;5 Suppl 4:S748–58 (44 ref.)

[Invasiveness characteristics of the causative agent of pseudotuberculosis] Tseneva GIa, et al.
Zh Mikrobiol Epidemiol Immunobiol 1984 May;(5):26–30 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neutrophil function and HLA-B27. Superoxide production and yersinicidal activity of neutrophils from patients with previous yersinia arthritis. Repo H, et al. **Med Biol** 1984; 62(2):91–4

ULTRASTRUCTURE

Lack of correlation between the presence of plasmids and fimbriae in Yersinia enterocolitica and Yersinia pseudotuberculosis. Skurnik M. **J Appl Bacteriol** 1984 Jun; 56(3):355–63

YERSINIA ENTEROCOLITICA

CLASSIFICATION

Role of Yersinia enterocolitica [letter] Chiesa C, et al. **Am J Dis Child** 1984 Apr;138(4):411–2

Proposed revision of the Wauters et al. antigenic scheme for serotyping of Yersinia enterocolitica. Aleksić S, et al. **J Clin Microbiol** 1984 Jul;20(1):99–102

DRUG EFFECTS

[Antibiotic sensitivity of Yersinia enterocolitica strains isolated from rodents and sick persons in Krasnodar Territory] Gurleva GG, et al. **Antibiotiki** 1984 Mar; 29(3):195–7 (Eng. Abstr.) **(Rus)**

[Action of sodium chloride on Yersinia pseudotuberculosis and Yersinia enterocolitica] Sivolodskiĭ EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):35–8 (Eng. Abstr.) **(Rus)**

GENETICS

Effect of radiation and freezing on [3H]DNA of Yersinia enterocolitica. Grecz N, et al. **Appl Environ Microbiol** 1984 May;47(5):1101–5

Virulence plasmid–associated autoagglutination in Yersinia spp. Skurnik M, et al. **J Bacteriol** 1984 Jun;158(3):1033–6

GROWTH & DEVELOPMENT

Establishment and competitive exclusion of Yersinia enterocolitica in the gut of monoxenic and holoxenic chicks. Soerjadi-Liem AS, et al. **Avian Dis** 1984 Jan–Mar; 28(1):256–60

IMMUNOLOGY

Status of immunity of newborns against Yersinia enterocolitica: a preliminary report. Chiesa C, et al. **Am J Med Sci** 1984 Mar–Apr;287(2):18–20

In vitro T lymphocyte proliferative response to Yersinia enterocolitica in Reiter's syndrome. Lack of response in other HLA-B27 positive individuals. Brenner MB, et al. **Arthritis Rheum** 1984 Mar;27(3):250–7

Immunoblastic lymphadenopathy with a high serum Yersinia enterocolitica titer. A case report. Karttunen T, et al. **Cancer** 1983 Dec 15;52(12):2281–4

Identification of HLA–B27M1 and –M2 cross-reactive antigens in Klebsiella, Shigella and Yersinia. van Bohemen CG, et al. **Immunology** 1984 Aug;52(4):607–10

Serological evidence that Yersinia enterocolitica lipopolysaccharide produced during growth in vivo resembles that produced during growth in vitro at 25 degrees C. Kawaoka Y, et al. **J Gen Microbiol** 1983 Sep; 129 (Pt 9):2749–51

[Assay of anti-Yersinia enterocolitica antibodies in an open population sample of the town of Messina] Delia SA, et al. **Ann Sclavo** 1982 Jul–Aug;24(4):429–39 (Eng. Abstr.) **(Ita)**

[Immunogenic properties of endotoxins of Yersinia enterocolitica serotypes according to the Knapp and Thal antigenic classification] Zaremba M, et al. **Med Dosw Mikrobiol** 1983;35(2):147–54 (Eng. Abstr.) **(Pol)**

[Characteristics of the antigenic complexes that determine cross reactions between brucellae and Yersinia enterocolitica 09] Zheludkov MM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):28–33 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Detection and enumeration of virulent Yersinia enterocolitica in food by DNA colony hybridization. Hill WE, et al. **Appl Environ Microbiol** 1983 Sep;46(3):636–41

Role of Yersinia enterocolitica in childhood diarrhea. Singh G, et al. **Indian J Pediatr** 1983 Jan–Feb;50(402):39–42

Isolation of Yersinia enterocolitica and related species from the faeces of cows. Davey GM, et al. **J Appl Bacteriol** 1983 Dec;55(3):439–43

Lack of efficacy of alkali treatment for isolation of Yersinia enterocolitica from feces. Ratnam S, et al. **J Clin Microbiol** 1983 Nov;18(5):1092–7

Septicaemia due to Yersinia enterocolitica biotype I in Hong Kong. Seto WH, et al. **J Infect** 1984 Jan;8(1):28–33

First isolation of Yersinia intermedia from stool during an epidemiological investigation in Bangladesh. Samadi AR, et al. **Trop Geogr Med** 1983 Sep;35(3):231–3

Significance of milk as a possible source of infection for human yersiniosis. I. Incidence of Yersinia organisms in raw milk in Shimane Prefecture, Japan. Fukushima H, et al. **Vet Microbiol** 1984 Apr;9(2):139–46

Ecological studies of Yersinia enterocolitica. I. Dissemination of Y. enterocolitica in pigs. Fukushima H, et al. **Vet Microbiol** 1983 Oct;8(5):469–83

Significance of Yersinia enterocolitica isolates and antibody titers. A prospective study in patients with enteritis and healthy controls under bacteriological, serological, epidemiological and clinical aspects. Bitzan M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):78–88

[Yersinia enterocolitica survival in Bulgarian yogurt and Vita yogurt (experimental studies)] Slavchev G, et al. **Vet Med Nauki** 1983;20(9):68–73 (Eng. Abstr.) **(Bul)**

[Campylobacter jejuni, Yersinia enterocolitica and Salmonella in game and poultry] de Boer E, et al. **Tijdschr Diergeneeskd** 1983 Nov 1;108(21):831–6 (Eng. Abstr.) **(Dut)**

[Mesenteric abscessed adenopathies. The role of Yersinia enterocolitica (letter)] Maurus F. **Presse Med** 1983 Oct 1; 12(34):2111–2 **(Fre)**

[Presence of Yersinia enterocolitica in sheep] Ludes A, et al. **Berl Munch Tierarztl Wochenschr** 1984 Jun 1; 97(6):198–202 (Eng. Abstr.) **(Ger)**

[Comparative use of 2 commercially available selective culture media for isolation of Yersinia enterocolitica from tonsils of slaughter swine] Weber A, et al. **Zentralbl Veterinarmed [B]** 1983 Aug;30(7):532–6 (Eng. Abstr.) **(Ger)**

[Yersinia enterocolitica: biotypes and serotypes isolated from horticultural products] Cavazzini G, et al. **Boll Ist Sieroter Milan** 1983 Sep 30;62(4):317–22 (Eng. Abstr.) **(Ita)**

[Frequency of Campylobacter fetus ss. jejuni and Yersinia enterocolitica in children with acute diarrhea] Morales-Castillo ME, et al. **Bol Med Hosp Infant Mex** 1984 Feb;41(2):86–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Enterotoxin production by Yersinia enterocolitica in food samples. Velin D. **Acta Microbiol Hung** 1984;31(1):43–8

[Biochemical characteristics of Yersinia enterocolitica strains isolated in the Maritime Territory] Sharapova TA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Aug;(8):50–3 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Pathogenicity of 42–44 Mdal plasmid positive and negative Yersinia pseudotuberculosis I and Yersinia enterocolitica 0:8 and 0:9 studied in the guinea pig eye model (Serény test). Mäki M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):241–4

Diagnostic value of plasmid analyses and assays for virulence in Yersinia enterocolitica. Wachsmuth K, et al. **Diagn Microbiol Infect Dis** 1984 Jun;2(3):219–28

Identification of specific outer membrane polypeptides associated with virulent Yersinia enterocolitica. Chang MT, et al. **Infect Immun** 1984 Feb;43(2):472–6

Relationship of virulence-associated autoagglutination to hemagglutinin production in Yersinia enterocolitica and Yersinia enterocolitica-like bacteria. Kapperud G, et al. **Infect Immun** 1983 Oct;42(1):163–9

Differentiation between virulent and avirulent Yersinia enterocolitica isolates by using Congo red agar. Prpic JK, et al. **J Clin Microbiol** 1983 Sep;18(3):486–90

Cytotoxicity and calcium-dependent antigen of Yersinia. Okamoto K, et al. **Microbiol Immunol** 1984;28(1):33–49

[Chronic nonlethal infection in guinea pigs following intraperitoneal inoculation with Yersinia enterocolitica serotypes 0:3, 0:5, 0:8 and 0:9] Raducheva T, et al. **Acta Microbiol Bulg** 1983;13:20–8 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Plasmid-associated cell surface charge and hydrophobicity of Yersinia enterocolitica. Lachica RV, et al. **Infect Immun** 1984 May;44(2):540–3

Determination of plasmid-associated hydrophobicity of Yersinia enterocolitica by a latex particle agglutination test. Lachica RV, et al. **J Clin Microbiol** 1984 May;19(5):660–3

Growth temperature-dependent variation in the bacteriophage-inactivating capacity and antigenicity of Yersinia enterocolitica lipopolysaccharide. Kawaoka Y, et al. **J Gen Microbiol** 1983 Sep;129 (Pt 9):2739–47

ULTRASTRUCTURE

Autoaggregating Yersinia enterocolitica express surface fimbriae with high surface hydrophobicity. Faris A, et al. **J Appl Bacteriol** 1983 Aug;55(1):97–100

YERSINIA INFECTIONS

Yersinia enterocolitica enteritis. Jain K, et al. **Indian Pediatr** 1983 Aug;20(8):607–8

Association of Yersinia enterocolitica and appendicitis: a negative report from Hawaii [letter] Fajardo JE, et al. **Pediatr Infect Dis** 1984 Jul–Aug;3(4):369

[Still's disease in an adult, caused by a Yersinia enterocolitica infection (letter)] Colebunders R, et al. **Ann Dermatol Venereol** 1983;110(10):863 **(Fre)**

[Disease caused by Yersinia enterocolitica] Agustí García-Navarro A, et al. **Rev Clin Esp** 1983 Jul 15–31; 170(1–2):1–5 (56 ref.) **(Spa)**

BLOOD

Plague and the peripheral smear. Mann JM, et al. **JAMA** 1984 Feb 17;251(7):953

Yersinia enterocolitica: guidelines for serologic diagnosis of human infections. Bottone EJ, et al. **Rev Infect Dis** 1983 Sep–Oct;5(5):898–906

COMPLICATIONS

Bullous skin lesions associated with Yersinia enterocolitica septicemia. Olbrych TG, et al. **Am J Med Sci** 1984 May–Jun;287(3):38–9

Yersinia-induced arthritis and Reiter's syndrome. Ford DK. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 127–8

Tachyarrhythmia in yersinia arthritis [letter] Lenz T, et al. **Ann Rheum Dis** 1984 Jun;43(3):535–6

Fatal Yersinia enterocolitica meningitis in thalassemia major. De Virgiliis S, et al. **Boll Ist Sieroter Milan** 1984 May 31; 63(2):171–2

Yersinia reactive arthritis. Aho K. **Br J Rheumatol** 1983 Nov; 22(4 Suppl 2):41–5 (23 ref.)

Yersinia arthritis in the Midlands: clinical and immunological features in ten cases during 1980–1983. Sheldon PJ, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):46–9

A case of Yersinia pseudotuberculosis septicemia accompanied by a large abdominal tumor. Nakamura M, et al. **Clin Pediatr (Phila)** 1984 Feb;23(2):121–3

Atlanto-axial dislocation in an 18-year-old female with Yersinia arthritis. Vilppula AH, et al. **Clin Rheumatol** 1984 Jun;3(2):239–41

I.g.A. nephropathy in association with Yersinia enterocolitica. Cusack D, et al. **Ir J Med Sci** 1983 Aug; 152(8):311–2

Infective endocarditis due to Yersinia enterocolitica. Green HT, et al. **J Infect** 1983 Nov;7(3):267–9

Appendicectomy and yersiniosis [letter] Andrew JH, et al. **Med J Aust** 1984 Mar 31;140(7):444

[Atlanto-axial dislocation in Yersinia arthritis] Jussila T, et al. **Duodecim** 1984;100(10):620–2 **(Fin)**

[Supraventricular arrhythmia in Yersinia enterocolitica infection] Simmat G, et al. **Ann Cardiol Angeiol (Paris)** 1984 Jul–Sep;33(5):317–21 (Eng. Abstr.) **(Fre)**

[The place of anatomo-pathological study in the diagnosis of enterocolitis complicated by Yersinia pseudo-tuberculosis] Gaulier A, et al. **Ann Pathol** 1983 Dec;3(4):301–5 (Eng. Abstr.) **(Fre)**

[Monoarthritis with positive Yersinia pseudotuberculosis serology in an 18-month-old girl] Palcoux JB, et al. **Arch Fr Pediatr** 1983 Nov;40(9):731–2 (Eng. Abstr.) **(Fre)**

[Gougerot-Sjögren's syndrome. Clinical and biological correlations with the serology of Yersinia infections] Barrier J, et al. **Presse Med** 1984 Apr 7;13(15):923–6 (Eng. Abstr.) **(Fre)**

[Yersinia pseudotuberculosis and Yersinia enterocolitica] Mollaret HH. **Rev Rhum Mal Osteoartic** 1983 Nov; 50(11):713–7 (Eng. Abstr.) **(Fre)**

[Chronic granulomatous typhlitis caused by Yersinia] Di Blasi A, et al. **Pathologica** 1983 Mar–Apr;75(1036):187–95 (Eng. Abstr.) **(Ita)**

[Yersinia enterocolitica infection and erythema nodosum] Ikeya T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Apr; 94(5):557–67 **(Jpn)**

[Hepatitis caused by Yersinia enterocolitica in children] Alekseeva NT, et al. **Pediatriia** 1984 Mar;(3):51–2 **(Rus)**

[Terminal ileitis as isolated manifestation of yersinia infection] Capdevila Morell JA, et al. **Med Clin (Barc)** 1983 May 14;80(17):758–61 (Eng. Abstr.) **(Spa)**

[Yersinia enterocolitica hepatic granulomatosis] Guarga A, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):362–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Psoas muscle abscess due to Yersinia enterocolitica. Kahn FW, et al. **Am J Med** 1984 May;76(5):947–9

The Yersinia enterocolitica infection in acute abdominal surgery. A clinical study with a 5-year follow-up period. Saebø A. **Ann Surg** 1983 Dec;198(6):760–5

Yersinia pseudotuberculosis: unusual features of a case. von Graevenitz A, et al. **Infection** 1983 Jul–Aug;11(4):208–9

Infectious endocarditis due to Yersinia enterocolitica. Urbano-Márquez A, et al. **J Infect Dis** 1983 Nov;148(5):940

Unusual cause of acute abdomen in the puerperium. Hill GA, et al. **J Tenn Med Assoc** 1984 Jul;77(7):390–1

Appendicectomy and yersiniosis [letter] Tzipori S, et al. **Med J Aust** 1983 Dec 10–24;2(12):607

Limp in a child associated with Yersinia enterocolitica infection [letter] Berezin S, et al. **NY State J Med** 1984 May;84(5):230–1

Yersinia pseudotuberculosis and Kawasaki disease [letter] Chiba S, et al. **Pediatr Infect Dis** 1983 Nov–Dec;2(6):494

Yersinia pseudoappendicitis—case report. Paris MF, et al. **Penn Med** 1983 Oct;86(10):52–3

ELISA and RIA for serologic diagnosis of yersiniosis [letter] Granfors K, et al. **Rev Infect Dis** 1984 May–Jun;6(3):421–4

Yersinia enterocolitica infection: first case report from Malaysia. Jegathesan M, et al. **Trop Geogr Med** 1984 Jun; 36(2):207–10

Clinicopathology conference: diarrhea and abdominal pain. **Va Med** 1984 Jan;111(1):22–8

Significance of Yersinia enterocolitica isolates and antibody titers. A prospective study in patients with enteritis and healthy controls under bacteriological, serological, epidemiological and clinical aspects. Bitzan M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1983 Mar; 254(1):78–88

[Yersinia pseudotuberculosis arthritis with visceral involvement simulating connective tissue disease] Menkès CJ, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):813–5 **(Fre)**

[Serodiagnosis of Yersinia infections in cirrhotic patients. Study apropos of 73 patients] Grivaux M, et al. **Sem Hop Paris** 1983 Oct 6;59(35):2441–5 (Eng. Abstr.) **(Fre)**

[Hepatic granulomatosis and positive serodiagnosis of Yersinia infections] Pieron R, et al. **Sem Hop Paris** 1983 Oct 6;59(35):2447–51 (Eng. Abstr.) **(Fre)**

[Acute septic yersiniosis—a rare syndrome? (letter)] Wörner O. **Dtsch Med Wochenschr** 1983 Dec 16;108(50):1936–7 **(Ger)**

[Yersinia enterocolitica infection and problems of differential diagnosis] Berlin I. **Orv Hetil** 1984 Jul 8;125(28):1691–2 (Eng. Abstr.) **(Hun)**

[Comparative evaluation of the usefulness of agglutination and indirect immunofluorescence tests for the diagnosis of Yersinia infections] Zaremba M, et al. **Med Dosw Mikrobiol** 1983;35(2):137–46 (Eng. Abstr.) **(Pol)**

[Various clinical forms of Yersinia pseudotuberculosis] Obodowska-Zysk W, et al. **Przegl Epidemiol** 1983; 37(3–4):345–50 (Eng. Abstr.) **(Pol)**

[Severe course of Yersinia pseudotuberculosis infection in a 14-year-old boy] Kacprzyk SS, et al. **Wiad Lek** 1983 Dec 1;36(23):1981–3 (Eng. Abstr.) **(Pol)**

[Clinico-laboratory characteristics of moderately severe forms of Yersinia infection] Romanova EI, et al. **Klin Med (Mosk)** 1983 Dec;61(12):113–6 (Eng. Abstr.) **(Rus)**

[Laboratory diagnosis of pseudotuberculosis] Tseneva GIa, et al. **Sov Med** 1984;(1):98–101 **(Rus)**

[Yersinia arthropathy: various clinical and diagnostic aspects] Sidel'nikova SM, et al. **Ter Arkh** 1983;55(7):77–81 (Eng. Abstr.) **(Rus)**

[Dried erythrocyte diagnostic agent for intestinal yersiniasis] Koroliuk AM, et al. **Tr Inst Pastera** 1981;56:67–70 **(Rus)**

[Elaboration and trial of an immunoglobulin erythrocyte diagnostic agent for detecting the causative agent of pseudotuberculosis and its antibodies] Tseneva GIa, et al. **Tr Inst Pastera** 1981;56:71–4 **(Rus)**

DRUG THERAPY

Yersinial cervical adenitis [letter] Rose RC 3d, et al. **Ann Intern Med** 1983 Nov;99(5):739

Yersinia enterocolitica endocarditis. Appelbaum JS, et al. **Arch Intern Med** 1983 Nov;143(11):2150–1

Successful medical management of a Yersinia enterocolitica liver abscess. Alberti-Flor JJ, et al. **Digestion** 1984; 29(4):250–2

Placebo-controlled double-blind evaluation of trimethoprim-sulfamethoxazole treatment of Yersinia enterocolitica gastroenteritis. Pai CH, et al. **J Pediatr** 1984 Feb;104(2):308–11

ENZYMOLOGY

[Atypical routes for penetration of the infection in intestinal yersinioses. III. Biochemical changes in alveolar macrophages in aerosol infections with Yersinia enterocolitica] Velianov D, et al. **Acta Microbiol Bulg** 1984; 14:89–105 (Eng. Abstr.) **(Bul)**

ETIOLOGY

Role of Yersinia enterocolitica [letter] Chiesa C, et al. **Am J Dis Child** 1984 Apr;138(4):411–2

Food microbiology update. Emerging foodborne pathogens. Bryant RG. **Appl Biochem Biotechnol** 1983 Oct;8(5):437–54 (60 ref.)

Yersinia pseudotuberculosis septicaemia in thalassaemia major [letter] Gordts B, et al. **Lancet** 1984 Jan 7; 1(8367):41–2

Desferrioxamine and systemic yersiniosis [letter] Robins-Browne RM, et al. **Lancet** 1983 Dec 10; 2(8363):1372

[Yersinia enterocolitica septicemia and primary hemochromatosis. Discussion of the promoting role of iron overload (letter)] Jacquenod P, et al. **Gastroenterol Clin Biol** 1984 Mar;8(3):293–4 **(Fre)**

[Post-traumatic Yersinia enterocolitica panophthalmia (letter)] Abalain-Colloc ML, et al. **Presse Med** 1984 Feb 11;13(5):286 **(Fre)**

[Reactive Yersinia pseudotuberculosis arthritis with acute hepatic histological involvement disclosing latent ankylosing spondylitis] Doury P, et al. **Rev Rhum Mal Osteoartic** 1983 Dec;50(12):821–3 **(Fre)**

[Yersinia enterocolitica septicemia occurring in a hospital milieu. A case with septic shock in an immunocompromised patient] Jouquan J, et al. **Sem Hop Paris** 1984 Jan 12; 60(1):47–8 (Eng. Abstr.) **(Fre)**

[Yersinia enterocolitica as a possible causative agent in food poisoning] Dogel' LZ, et al. **Vopr Pitan** 1984 May-Jun; (3):3–6 (51 ref.) **(Rus)**

IMMUNOLOGY

Immune responses in yersinia-associated reactive arthritis. Aho K, et al. **Ann Rheum Dis** 1979;38 Suppl 1:suppl 123–6

IgM, IgG, and IgA synthesis in vitro in persons suffering from yersinia arthritis and in patients with ankylosing spondylitis. Vuento R, et al. **Ann Rheum Dis** 1984 Apr; 43(2):186–91

Adult Still's disease caused by Yersinia enterocolitica infection. Colebunders R, et al. **Arch Intern Med** 1984 Sep; 144(9):1880–2

Antibodies against cell envelope antigens of Yersinia enterocolitica in reactive arthritis and ankylosing spondylitis. van Bohemen CG, et al. **Br J Rheumatol** 1983 Nov;22(4 Suppl 2):83–4

Circulating immune complexes in Yersinia infection. Leirisalo M, et al. **J Rheumatol** 1984 Jun;11(3):365–8

Lymphocyte transformation responses to gram negative bacteria after Yersinia and Salmonella infection: the importance of enterobacterial common antigen for the response. Vuento R, et al. **J Rheumatol** 1984 Jun; 11(3):369–72

Y. pseudotuberculosis infection [letter] Hewstone AS. **Med J Aust** 1984 Mar 17;140(6):380

Role of Ia-positive cells in the lymphocyte responses to Yersinia. Vuento R, et al. **Scand J Immunol** 1984 Aug; 20(2):141–7

[Chronic inflammatory intestinal disease and Yersinia enterocolitica (letter)] Casellas F, et al. **Gastroenterol Clin Biol** 1984 May;8(5):483–4 **(Fre)**

[Immunologic response to Yersinia antigens in patients with various rheumatic diseases] Zaremba M, et al. **Reumatologia** 1984;22(1):35–45 (Eng. Abstr.) **(Pol)**

[Method for producing monoreceptor pseudotuberculosis sera] Tseneva GIa, et al. **Lab Delo** 1983;(10):54–5 (Eng. Abstr.) **(Rus)**

[Recurrences of pseudotuberculous infection and the status of cellular immunity] Malyi VP, et al. **Ter Arkh** 1983; 55(10):58–9 (6 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Pathogenicity of 42–44 Mdal plasmid positive and negative Yersinia pseudotuberculosis I and Yersinia enterocolitica 0:8 and 0:9 studied in the guinea pig eye model (Serény test). Mäki M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1983 Aug; 91(4):241–4

Establishment and competitive exclusion of Yersinia enterocolitica in the gut of monoxenic and holoxenic chicks. Soerjadi-Liem AS, et al. **Avian Dis** 1984 Jan-Mar; 28(1):256–60

Isolation & characterization of Yersinia enterocolitica from patients of gastroenteritis. Varghese A, et al. **Indian J Med Res** 1984 Jan;79:35–40

In vivo comparison of avirulent Vwa- and Pgm- or Pstr phenotypes of yersiniae. Une T, et al. **Infect Immun** 1984 Mar;43(3):895–900

Yersiniosis today [editorial] **Lancet** 1984 Jan 14;1(8368):84–5

[Chronic nonlethal infection in guinea pigs following intraperitoneal inoculation with Yersinia enterocolitica serotypes 0:3, 0:5, 0:8 and 0:9] Raducheva T, et al. **Acta Microbiol Bulg** 1983;13:20–8 (Eng. Abstr.) **(Bul)**

[Antibiotic sensitivity of Yersinia enterocolitica strains isolated from rodents and sick persons in Krasnodar Territory] Gurleva GG, et al. **Antibiotiki** 1984 Mar; 29(3):195–7 (Eng. Abstr.) **(Rus)**

[Test for differentiating plague and pseudotuberculosis cultures] Adamov AK, et al. **Lab Delo** 1983;(12):39–41 (Eng. Abstr.) **(Rus)**

[Modeling of pseudotuberculosis infection] Polotskiĭ IuE, et al. **Tr Inst Pastera** 1983;60:91–103 (Eng. Abstr.) **(Rus)**

[Yersinia enterocolitica sepsis: presentation of 2 cases (letter)] Campo JM, et al. **Med Clin (Barc)** 1984 Apr 14;82(14):647–8 **(Spa)**

OCCURRENCE

Epidemiologic investigation of a Yersinia camp outbreak linked to a food handler. Morse DL, et al. **Am J Public Health** 1984 Jun;74(6):589–92

An outbreak of Yersinia pseudotuberculosis infection. Tertti R, et al. **J Infect Dis** 1984 Feb;149(2):245–50

A multistate outbreak of infections caused by Yersinia enterocolitica transmitted by pasteurized milk. Tacket CO, et al. **JAMA** 1984 Jan 27;251(4):483–6

[Yersiniosis in Italy] Chiesa C, et al. **Ann Sclavo** 1982 Nov-Dec;24(6):686–94 (Eng. Abstr.) **(Ita)**

[Bioserotypes of Yersinia isolated in Italy from 1979 to 1982] Fantasia Mazzotti M, et al. **Nuovi Ann Ig Microbiol** 1983 Nov-Dec;34(6):437–46 (Eng. Abstr.) **(Ita)**

[Epidemiology of pseudotuberculosis in Leningrad] Epifanova KI, et al. **Tr Inst Pastera** 1983;60:87–91 (Eng. Abstr.) **(Rus)**

[Zooanthroponotic infections in the Northwest (I. Leptospirosis, Q rickettsiosis, pseudotuberculosis and tularemia)] Tokarevich KN, et al. **Tr Inst Pastera** 1983; 60:4–14 (Eng. Abstr.) **(Rus)**

[Yersiniasis in Leningrad] Vashchenok GI, et al. **Tr Inst Pastera** 1983;60:82–7 (Eng. Abstr.) **(Rus)**

[Epizootiological evaluation of intestinal yersiniasis in Sakhalin Province] Podbolotov KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Feb;(2):71–3 (Eng. Abstr.) **(Rus)**

[Yersiniosis in Spain (editorial)] Arnau JM, et al. **Med Clin (Barc)** 1984 Mar 3;82(8):354–7 **(Spa)**

PATHOLOGY

Immunohistology and aetiology of histiocytic necrotizing lymphadenitis. Report of three instructive cases. Feller AC, et al. **Histopathology** 1983 Nov;7(6):825–39

[Pathomorphology of experimental pseudotuberculous (Yersinia) arthritis] Isachkova LM, et al. **Arkh Patol** 1984; 46(5):69–74 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prophylaxis of systemic yersinosis in thalassaemia major [letter] Scharnetzky M, et al. **Lancet** 1984 Apr 7;1(8380):791

BCG protection of mice challenged with virulent Yersinia enterocolitica. Santos Filho L, et al. **Rev Latinoam Microbiol** 1982 Jan-Mar;24(1):11–3

RADIOGRAPHY

Case report: computed tomography in the diagnosis of Yersinia infection in a patient with thalassemia major. Coleman BG, et al. **J Comput Tomogr** 1984 Apr;8(2):153–6

RADIONUCLIDE IMAGING

Yersinia arthritis: demonstration of occult enteritis by 111indium leucocyte scanning. Bernstein RM, et al. **Ann Rheum Dis** 1984 Jun;43(3):493–4

TRANSMISSION

Human bubonic plague transmitted by a domestic cat scratch. Weniger BG, et al. **JAMA** 1984 Feb 17;251(7):927–8

Primary plague pneumonia contracted from a domestic cat at South Lake Tahoe, Calif. Werner SB, et al. **JAMA** 1984 Feb 17;251(7):929–31

Significance of milk as a possible source of infection for human yersiniosis. I. Incidence of Yersinia organisms in raw milk in Shimane Prefecture, Japan. Fukushima H, et al. **Vet Microbiol** 1984 Apr;9(2):139–46

VETERINARY

An outbreak of Yersinia pseudotuberculosis infection in a small indoor breeding colony of red-bellied (Saguinus labiatus) tamarins. Taffs LF, et al. **Lab Anim** 1983 Oct; 17(4):311–20

Detection of Yersinia enterocolitica 09 infection in camels serodiagnosed as brucellosis. Sunaga Y, et al. **Nippon Juigaku Zasshi** 1983 Apr;45(2):247–50

Enteric redmouth disease in Scotland [letter] Frerichs GN, et al. **Vet Rec** 1984 Jul 14;115(2):45–6

[Pathology of yersinioses in zoo animals] Schoon HA, et al. **DTW** 1983 Sep 8;90(9):367–70 (Eng. Abstr.) **(Ger)**

YERSINIA PESTIS

[Methods of preparing and purifying the capsular antigen and endotoxin of the causative agent of plague] Veĭnblat VI, et al. **Lab Delo** 1983;(12):37–9 **(Rus)**

[Construction of a suspension diagnosticum to test for Yersinia pestis endotoxin and homologous antibodies] Veĭnblat VI, et al. **Lab Delo** 1983;(8):43–5 **(Rus)**

[Molecular organization and functions of the protein toxins of the causative agents of cholera and plague] Efremenko VI. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov; (11):7–13 (55 ref.) **(Rus)**

[Isolation, purification and physicochemical properties of pesticin I from cells of Yersinia pestis strain EV] Goncharov EK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jun;(6):41–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Effects of growth temperature, 47-megadalton plasmid, and calcium deficiency on the outer membrane protein porin and lipopolysaccharide composition of Yersinia pestis EV76. Darveau RP, et al. **Infect Immun** 1983 Dec; 42(3):1092–101

CLASSIFICATION

Warning on a new potential for laboratory-acquired infections as a result of the new nomenclature for the plague bacillus. Williams JE. **Jpn J Med Sci Biol** 1983 Oct; 36(5):295–7

ENZYMOLOGY

[DNA-methyltransferase of the plague microbe] Demidova GV, et al. **Ukr Biokhim Zh** 1983 Sep-Oct;55(5):489–93 (Eng. Abstr.) **(Rus)**

[Isolation and purification of Yersinia pestis neuraminidase] Shimaniuk NIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Sep;(9):70–4 **(Rus)**

GENETICS

Characterization of common virulence plasmids in Yersinia species and their role in the expression of outer membrane proteins. Portnoy DA, et al. **Infect Immun** 1984 Jan; 43(1):108–14

In vivo comparison of avirulent Vwa- and Pgm- or Pstr phenotypes of yersiniae. Une T, et al. **Infect Immun** 1984 Mar;43(3):895–900

[Detection and characterization of the plasmids of the plague

microbe which determine the synthesis of pesticin I, fraction I antigen and 'mouse' toxin exotoxin] Protsenko OA, et al. **Genetika (Moskva)** 1983 Jul;19(7):1081–90 (Eng. Abstr.) **(Rus)**

[Translocation of transposons Tn10 and Tn5 in the Yersinia pestis chromosome] Zarenkov MI, et al. **Genetika (Moskva)** 1983 Oct;19(10):1593–603 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Growth in mouse peritoneal macrophages of Yersinia pestis lacking established virulence determinants. Straley SC, et al. **Infect Immun** 1984 Sep;45(3):649–54

Yersinia pestis grows within phagolysosomes in mouse peritoneal macrophages. Straley SC, et al. **Infect Immun** 1984 Sep;45(3):655–9

[The plague bacillus. I. Kinetics of growth] Rasolofonirina N, et al. **Arch Inst Pasteur Madagascar** 1982;49(1):23–33 **(Fre)**

IMMUNOLOGY

[Detection of a specific plague microbe antigen (fraction I) by the method of radioimmunological analysis] Lesovoĭ VS, et al. **Lab Delo** 1984;(3):185–6 **(Rus)**

[Effectiveness of revaccinating hamadryas baboons with NISS live dried plague vaccine and fraction I of the plague microbe] Byvalov AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Apr;(4):74–6 (Eng. Abstr.) **(Rus)**

[Analysis of the discrete structure of antibodies by affinity and antigen–binding capacity] Levi MI. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):71–6 (Eng. Abstr.) **(Rus)**

[Precipitation of the antigens of the causative agents of plague, glanders and melioidosis using aqueous saline extracts of various plant species] Loktionov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):57–8 (Eng. Abstr.) **(Rus)**

[Localization of antigen F–1 of Yersinia pestis EV by an immunoferritin method] Zolotarev AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Jul;(7):62–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Diagnosis complicated by group A streptococcus. Maehara KT, et al. **Am J Med Technol** 1983 Dec;49(12):876–8

[Results of experiments simulating the preservation of the causative agent of plague under natural conditions] Sviridov GG, et al. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):64–8 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Potential for rat plague from nonencapsulated variants of the plague bacillus (Yersinia pestis). Williams JE, et al. **Experientia** 1984 Jul 15;40(7):739–40

[Attempt at detecting the systems of host specificity in the bacterial causative agents of plague] Demidova GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):33–6 (Eng. Abstr.) **(Rus)**

YOGA

Description of an EEG pattern evoked in central—parietal areas by the Hathayogic exercise Agnisara. Roldán E, et al. **Act Nerv Super (Praha)** 1983 Dec;25(4):241–6

Role of yoga in management of essential hypertension. Sundar S, et al. **Acta Cardiol (Brux)** 1984;39(3):203–8

Yoga as a preventive health care program for white and black elders: an exploratory study. Haber D. **Int J Aging Hum Dev** 1983;17(3):169–76

A physiological evaluation of the yoga concept of respiratory control of autonomic nervous system activity. Morse DR, et al. **Int J Psychosom** 1984;31(1):3–19

A study of yoga as a nursing intervention in the care of patients with pleural effusion. Prakasamma M, et al. **J Adv Nurs** 1984 Mar;9(2):127–33

A comparison of two relaxation procedures for reducing cognitive and somatic anxiety. Norton GR, et al. **J Behav Ther Exp Psychiatry** 1983 Sep;14(3):209–14 (18 ref.)

Influence of yoga on blood coagulation. Chohan IS, et al. **Thromb Haemost** 1984 Apr 30;51(2):196–7

YOGURT see under **DAIRY PRODUCTS**

YOHIMBANS

Physico-chemical investigation of the mode of binding of the alkaloids 5,6-dihydroflavopereirine and sempervirine with DNA. Caprasse M, et al. **Biochimie** 1984 Jan; 66(1):31–41

ANALYSIS

Identification of chlorite and serpentine in cosmetic or pharmaceutical talc. Blount AM, et al. **Environ Health Perspect** 1983 Sep;51:379–85

YOHIMBINE

ADMINISTRATION & DOSAGE

[New approach to the treatment of arteritis using a combination of drugs and hypervolemia with clinical and biological monitoring] Gicquiau N. **Phlebologie** 1983 Jul–Sep;36(3):219–29 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Role of opioidergic component in the antihypertensive effect of clonidine. Chauhan PA, et al. **Indian J Physiol Pharmacol** 1983 Oct–Dec;27(4):305–10

BLOOD

Alpha 2-adrenoceptors in human lymphocytes: direct characterisation by [3H]yohimbine binding. Titinchi S, et al. **Biochem Biophys Res Commun** 1984 May 31;121(1):1–7

Variations in circulating catecholamines fail to alter human platelet alpha-2-adrenergic receptor number or affinity for [3H]yohimbine or [3H]dihydroergocryptine. Pfeifer MA, et al. **J Clin Invest** 1984 Sep;74(3):1063–72

Changes in the binding to platelets of [3H]imipramine and [3H]yohimbine in normal subjects taking amitriptyline. Braddock LE, et al. **Neuropharmacology** 1984 Feb; 23(2B):285–6

Platelet alpha 2-adrenergic receptor sensitivity in major depressive disorder. Stahl SM, et al. **Psychiatry Res** 1983 Nov;10(3):157–64

METABOLISM

3H-yohimbine binding to guinea-pig kidney and calf cerebral cortex membranes: comparison with human platelets. Brodde OE, et al. **Arch Int Pharmacodyn Ther** 1983 Dec; 266(2):208–20

Characterization of alpha 2-adrenergic receptors in the human colon adenocarcinoma cell line HT 29 in culture by [3H]yohimbine binding. Carpene C, et al. **Gen Pharmacol** 1983;14(6):701–3

Regulation of alpha 1-adrenergic receptor-coupled calcium flux in cultured vascular smooth muscle cells. Colucci WS, et al. **Hypertension** 1984 Mar–Apr;6(2 Pt 2):I19–24

Differential effect of pertussis toxin on the affinity state for agonists of renal alpha 1- and alpha 2- adrenoceptors. Boyer JL, et al. **J Biol Chem** 1984 Jul 10;259(13):8076–9

3H-clonidine and 3H-rauwolscine binding to membranes from rat cerebral cortex and kidney. Tanaka T, et al. **Jpn J Pharmacol** 1983 Jun;33(3):713–6

Determination of adrenoceptors of the alpha 2-subtype on isolated human fat cells. Engfeldt P, et al. **Scand J Clin Lab Invest** 1983 May;43(3):207–13

PHARMACODYNAMICS

Acepromazine-xylazine combination in dogs: antagonism with 4-aminopyridine and yohimbine. Cronin MF, et al. **Am J Vet Res** 1983 Nov;44(11):2037–42

Comparison of five preanesthetic medicaments in pentobarbital-anesthetized dogs: antagonism by 4-aminopyridine, yohimbine, and naloxone. Hatch RC, et al. **Am J Vet Res** 1983 Dec;44(12):2312–9

Antagonism of xylazine and ketamine anesthesia by 4-aminopyridine and yohimbine in geldings. Kitzman JV, et al. **Am J Vet Res** 1984 May;45(5):875–9

Corynanthine and aqueous humor dynamics in rabbits and monkeys. Serle JB, et al. **Arch Ophthalmol** 1984 Sep; 102(9):1385–8

Effects of 6-methoxy-1,2,3,4-tetrahydro-beta-carboline and yohimbine on hypothalamic monoamine status and pituitary hormone release in the rat. Smythe GA, et al. **Aust J Biol Sci** 1983;36(4):379–86 (20 ref.)

A comparison of the effects of indoramin and yohimbine at pre- and postsynaptic alpha adrenoceptors of the rabbit pulmonary artery. Rhodes KF, et al. **Biochem Pharmacol** 1983 Dec 15;32(24):3875–7

Effects of alpha- and beta-adrenoceptor blockade on the neurally evoked overflow of endogenous noradrenaline from the rat isolated heart. Dart AM, et al. **Br J Pharmacol** 1984 Mar;81(3):475–8

Effects of yohimbine, rauwolscine and corynanthine on contractions and calcium fluxes induced by depolarization and prostaglandin F2 alpha in rat aorta. Godfraind T, et al. **Br J Pharmacol** 1983 Sep;80(1):115–21

Yohimbine and prolongation of stimulation pulse duration alter similarly 3H-transmitter efflux in heart: an alternative to the negative feedback hypothesis. Kalsner S. **Br J Pharmacol** 1983 Aug;79(4):985–92

Hypertensive effect of yohimbine following selective injection into the nucleus tractus solitarii of normotensive rats. Tung CS, et al. **Brain Res** 1983 Oct 24;277(1):193–5

The role of central alpha 1- and alpha 2-adrenoceptors in the regulation of vasopressin release and the cardiovascular system. Kimura T, et al. **Endocrinology** 1984 Apr; 114(4):1426–32

Cardiovascular effects of yohimbine in anaesthetized dogs. Andréjak M, et al. **Eur J Pharmacol** 1983 Oct 28; 94(3-4):219–28

Yohimbine induces sympathetically mediated renin release in the conscious rat. Pfister SL, et al. **Eur J Pharmacol** 1984 Jan 27;97(3-4):247–55

Modification by yohimbine and prazosin of the mechanical response of isolated dog mesenteric, renal and coronary arteries to transmural stimulation and norepinephrine. Toda N, et al. **Eur J Pharmacol** 1984 Feb 10;98(1):69–78

Antisecretory effects of berberine with morphine, clonidine, L-phenylephrine, yohimbine or neostigmine in pig jejunum. Zhu B, et al. **Eur J Pharmacol** 1983 Dec 9; 96(1-2):11–9

Evidence for the existence of vascular alpha 2-adrenergic receptors in humans. Goldberg MR, et al. **Hypertension** 1984 Jul–Aug;6(4):551–6

Influence of yohimbine on blood pressure, autonomic reflexes, and plasma catecholamines in humans. Goldberg MR, et al. **Hypertension** 1983 Sep–Oct;5(5):772–8

Immobilization of mule deer with ketamine and xylazine, and reversal of immobilization with yohimbine. Jessup DA, et al. **J Am Vet Med Assoc** 1983 Dec 1;183(11):1339–40

A contribution, from a possible local anaesthetic action, to the effects of yohimbine on evoked noradrenaline overflow. Goodall J, et al. **J Pharm Pharmacol** 1984 Apr;36(4):278–80

A study of the selectivity and potency of rauwolscine, RX 781094 and RS 21361 as antagonists of alpha-1 and alpha-2 adrenoceptors. Timmermans PB, et al. **J Pharmacol Exp Ther** 1984 Mar;228(3):739–48

Some pharmacologic effects of yohimbine on human and rabbit penis. Steers WD, et al. **J Urol** 1984 Apr; 131(4):799–802

Comparison of the alpha-adrenoceptor antagonist profiles of idazoxan (RX 781094), yohimbine, rauwolscine and corynanthine. Doxey JC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Feb; 325(2):136–44

Facilitating interaction between rauwolscine and angiotensin in the mesenteric artery of the rabbit. Lues I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jun; 326(3):273–7

Evidence for two distinct sympathoinhibitory bulbo-spinal systems. Bernthal PJ, et al. **Neuropharmacology** 1984 Jan; 23(1):31–6

The inhibitory action of PGF2 alpha on release of [3H]noradrenaline enhanced by alpha 2-adrenoceptor blockade, sodium-pump inhibition and 4-aminopyridine in the main pulmonary artery of the rabbit. Török TL, et al. **Neuropharmacology** 1984 Jan;23(1):37–41

Yohimbine and rauwolscine reduce food intake of genetically obese (obob) and lean mice. Callahan MF, et al. **Pharmacol Biochem Behav** 1984 Apr;20(4):591–9

Yohimbine: a pharmacological probe for study of the alpha 2-adrenoreceptor. Goldberg MR, et al. **Pharmacol Rev** 1983 Sep;35(3):143–80 (505 ref.)

Differential blocking effects of prazosin and yohimbine on vasopressor responses to sympathetic nerve stimulation and intravenous norepinephrine in the pithed rat. Lee JY, et al. **Res Commun Chem Pathol Pharmacol** 1984 Jan; 43(1):97–112

Enhancement of sexual motivation in male rats by yohimbine. Clark JT, et al. **Science** 1984 Aug 24;225(4664):847–9

[Effects of clonidine and yohimbine on semicarbazide-induced convulsion and electroconvulsive shock] Yue W, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Jun;5(2):79–82 (Eng. Abstr.) **(Chi)**

[Alpha-blocking activity of raubasine-dihydroergocristine combination in the demedullated rat] Roquebert J, et al. **Ann Pharm Fr** 1983;41(1):69–75 (Eng. Abstr.) **(Fre)**

[Glycosylated hemoglobin and raubasine in experimental streptozotocin diabetes] Loscalzo B, et al. **Boll Soc Ital Biol Sper** 1983 Aug 30;59(8):1123–9 (Eng. Abstr.) **(Ita)**

[Comparison of mianserin and yohimbine on presynaptic alpha 2-receptors] Carvajal García-Pando A, et al. **Arch Farmacol Toxicol** 1983 Apr;9(1):21–8 (Eng. Abstr.) **(Spa)**

YOLK SAC

ANALYSIS

Expression of c-onc genes: c-fos transcripts accumulate to high levels during development of mouse placenta, yolk sac and amnion. Müller R, et al. **EMBO J** 1983;2(5):679–84

Autoradiographic localization of 1,25-dihydroxyvitamin D3 in rat placenta and yolk sac. Stumpf WE, et al. **Horm Res** 1983;18(4):215–20

Apolipoprotein expression by murine visceral yolk sac endoderm. Shi WK, et al. **J Embryol Exp Morphol** 1984 Jun;81:143–52

ANATOMY & HISTOLOGY

Meckel's diverticulum. I. Extramedullary myelopoiesis in the yolk sac of hatched chickens (Gallus domesticus). Oláh I, et al. **Anat Rec** 1984 Feb;208(2):243–52

Incorrect use of yolk sac cavity [letter] Beck F. **Teratology** 1983 Dec;28(3):477

The exocoelom is not the yolk sac [letter] Gunberg DL. **Teratology** 1983 Dec;28(3):475

[The umbilical vesicle and amniotic membrane (letter)] Blanc B, et al. **Presse Med** 1984 Jan 21;13(2):104 **(Fre)**

CYTOLOGY

Differentiation potentiality of rat visceral yolk sac in organ culture. Lu YL, et al. **J Embryol Exp Morphol** 1984 Apr; 80:127–36

DRUG EFFECTS

Inhibition of proteolysis in rat yolk sac as a cause of teratogenesis. Effects of leupeptin in vitro and in vivo. Freeman SJ, et al. **J Embryol Exp Morphol** 1983 Dec; 78:183–93

ENZYMOLOGY

Ultrastructure and enzyme histochemistry of the marmoset yolk sac and embryonic intestinal epithelium. Gossrau R, et al. **Histochem J** 1984 Apr;16(4):360–3

The relationship between the presence of cysteine lyase in the yolk sac endoderm and the disposition of the area vasculosa in the chicken blastoderm. Vanroelen C, et al. **J Exp Zool** 1983 Oct;228(1):135–9

IMMUNOLOGY

The fate of homologous 125I-labelled immunoglobulin G within rat visceral yolk sacs incubated in vitro. Weisbecker U, et al. **Biochem J** 1983 Sep 15;214(3):815–22

Dynamics of antibody transfer from mother to fetus through the yolk-sac cells in the rat. Laliberté F, et al. **Biol Cell** 1984;50(3):255–61

Electron microscopic comparison of mouse thymocytes and yolk sac cells using a peanut agglutinin–horseradish peroxidase conjugate. Haar JL, et al. **Dev Comp Immunol** 1983 Summer;7(3):581–5

Natural cytotoxicity in the mouse embryo: characterization of yolk sac–associated natural cytotoxic cells and their activity. Dahl CA. **Eur J Immunol** 1983 Sep;13(9):747–55

A rat yolk-sac antigen defined by monoclonal antibodies. Van Hove L, et al. **Int J Cancer** 1984 Jun 15;33(6):851–8

METABOLISM

Adult hemoglobins are synthesized in yolk sac microenvironment obtained from murine cultured blastocysts. Ripoche MA, et al. **Cell Differ** 1983 Oct; 13(2):125–31

Synthesis of serum proteins by cultures of chick embryo yolk sac endodermal cells. Young MF, et al. **Dev Biol** 1983 Nov; 100(1):50–8

Immunocytochemical localization of vitamin D–dependent calcium–binding protein in the yolk sac of the rat. Delorme AV, et al. **Placenta** 1983 Jul–Sep;4(3):263–70

Embryonic——Fetal Hb switch in humans: studies on erythroid bursts generated by embryonic progenitors from yolk sac and liver. Peschle C, et al. **Proc Natl Acad Sci USA** 1984 Apr;81(8):2416–20

Metabolic activation of cyclophosphamide by yolk sac endodermal cells of the early chick embryo. Gamett DC, et al. **Teratogenesis Carcinog Mutagen** 1984;4(2):245–57

PARASITOLOGY

Eimeria mitis invasion of the yolk sac diverticulum of chickens. Fitz-Coy SH, et al. **J Parasitol** 1983 Jun;69(3):518

PATHOLOGY

Target cells for avian myeloblastosis virus in embryonic yolk sac and relationship of cell differentiation to cell transformation. Boettiger D, et al. **J Virol** 1984 Mar; 49(3):841–7

Yolk sac–derived malignant tumors develop in the absence of germ cells. Sobis H, et al. **Oncodev Biol Med** 1983; 4(6):415–22

PHYSIOLOGY

12-O-tetradecanoylphorbol-13-acetate actions on macromolecular synthesis, ornithine decarboxylase, and cellular differentiation of the rat embryonic visceral yolk sac in culture. Huber BE, et al. **Cancer Res** 1983 Nov; 43(11):5552–9

Differences in the DNA of the inactive X chromosomes of fetal and extraembryonic tissues of mice. Kratzer PG, et al. **Cell** 1983 May;33(1):37–42

Mouse yolk sac and intraembryonic tissues produce factors able to elicit differentiation of erythroid burst-forming units and colony-forming units, respectively. Labastie MC, et al. **Proc Natl Acad Sci USA** 1984 Mar;81(5):1453–6

Extrapancreatic insulin gene expression in the fetal rat. Muglia L, et al. **Proc Natl Acad Sci USA** 1984 Jun; 81(12):3635–9

Endothelial changes and microvascular leakage due to hyperthermia in chick embryos. Nilsen NO. **Virchows Arch [Cell Pathol]** 1984;46(1-2):165–74

ULTRASTRUCTURE

Scanning electron microscopic observations on the opossum yolk sac chorion immediately prior to uterine attachment. Krause WJ, et al. **J Anat** 1984 Jan;138 (Pt 1):189–91

Ultrastructure of Reichert's membrane, a multilayered basement membrane in the parietal wall of the rat yolk sac. Inoué S, et al. **J Cell Biol** 1983 Nov;97(5 Pt 1):1524–37

The organization of actin filaments in the brush border of yolk sac epithelial cells. King BF. **J Ultrastruct Res** 1983 Dec;85(3):329–37

[Human yolk sac hemopoiesis] Takashina T. **Nippon Sanka Fujinka Gakkai Zasshi** 1983 Sep;35(9):1661–2 **(Jpn)**

YOLK SAC TUMOR see MESONEPHROMA

YOMESAN see NICLOSAMIDE

YOUTH see ADOLESCENCE

YTTERBIUM

DIAGNOSTIC USE

[Scintigraphy with 67Ga-citrate and 169Yb-citrate in the diagnosis of lung cancer] Vlakhov N, et al. **Med Radiol (Mosk)** 1983 Dec;28(12):52–4 (Eng. Abstr.) **(Rus)**

METABOLISM

A 13C-n.m.r. study of the binding of ytterbium(III) to chondroitin sulphate and chondroitin. Balt S, et al. **Carbohydr Res** 1983 Sep 16;121:1–11

Liposomal preparations of calcium- or zinc-DTPA have a high efficacy for removing colloidal Ytterbium-169 from rat tissues. Blank ML, et al. **Toxicology** 1984 Apr 16; 30(4):275–81

PHARMACODYNAMICS

Use of lanthanide-induced nuclear magnetic resonance shifts for determination of protein structure in solution: EF calcium binding site of carp parvalbumin. Lee L, et al. **Biochemistry** 1983 Sep 13;22(19):4366–73

THERAPEUTIC USE

Anti-inflammatory effects of praseodymium, gadolinium and ytterbium chlorides. Basile AC, et al. **J Pharmacobiodyn** 1984 Feb;7(2):94–100

YTTRIUM

Effect of CW YAG and argon green lasers on experimentally detached retinas. Peyman GA, et al. **Acta Ophthalmol (Copenh)** 1984 Jun;62(3):342–50

Current status of neodymium: YAG laser photodisruptors in ophthalmology: Part II. Belcher CD 3d, et al. **Ann Ophthalmol** 1983 Dec;15(12):1097–9

Bronchoscopic therapy with neodymium–yttrium–aluminum–garnet laser during intravenous anesthesia. Effect on arterial blood gas levels, pH, hemoglobin saturation, and production of abnormal hemoglobin. Brutinel WM, et al. **Chest** 1983 Nov; 84(5):518–21

ADVERSE EFFECTS

Retinal detachment following neodymium-YAG laser capsulotomy [letter] **Am J Ophthalmol** 1984 Aug 15; 98(2):248–50

Ocular effect of neodymium-YAG laser. Khodadoust AA, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):144–52

Neodymium: YAG laser damage to glass intraocular lens. Fritch CD. **J Am Intraocul Implant Soc** 1984 Spring; 10(2):225

Ocular hypertension following Nd:YAG laser capsulotomy: a potentially blinding complication. Vine AK. **Ophthalmic Surg** 1984 Apr;15(4):283–4

PHARMACODYNAMICS

Effects of the Nd:YAG laser on DNA synthesis and collagen production in human skin fibroblast cultures. Castro DJ, et al. **Ann Plast Surg** 1983 Sep;11(3):214–22

THERAPEUTIC USE

Neodymium-YAG laser therapy to the anterior hyaloid in aphakic malignant (ciliovitreal block) glaucoma. Epstein DL, et al. **Am J Ophthalmol** 1984 Aug 15;98(2):137–43

Bronchoscopic phototherapy with the neodymium-YAG laser. Brutinel WM, et al. **Chest** 1984 Aug;86(2):158–9

Principles for safety in application of neodymium-YAG laser in bronchology. Dumon JF, et al. **Chest** 1984 Aug; 86(2):163–8

Anterior capsulotomy of dislocated lenses in Marchesani syndrome using a Nd:YAG laser. Woodward PM. **J Am Intraocul Implant Soc** 1984 Spring;10(2):215–7

The reopening of closed filtering blebs using the neodymium: YAG laser. Praeger DL. **Ophthalmology** 1984 Apr; 91(4):373–7

Nd-YAG laser therapy for tracheobronchial disorders. Beamis JF Jr, et al. **Postgrad Med** 1984 Feb 15;75(3):173–80

[Nd-YAG laser irradiation for postoperative bronchial stenosis of sleeve lobectomy] Tomita M, et al. **Rinsho Kyobu Geka** 1984 Mar;4(2):177–82 (Eng. Abstr.) **(Jpn)**

YTTRIUM RADIOISOTOPES

METABOLISM

[Bone-seeking behavior of rhenium and yttrium complexes] Kutzner J, et al. **Nuklearmedizin** 1983 Jun;22(3):162–5 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Intra-articular radioactive yttrium and triamcinolone hexacetonide: an inconclusive trial. Arthritis and Rheumatism Council Multicentre Radiosynoviorthesis Trial Group. **Ann Rheum Dis** 1984 Aug;43(4):620–3

Listeria monocytogenes septic arthritis following intra-articular yttrium-90 therapy. Wilson AP, et al. **Ann Rheum Dis** 1984 Jun;43(3):518–9

Hepatic metastases—a physiological approach to treatment. Chamberlain MN, et al. **Br J Surg** 1983 Oct;70(10):596–8

Lack of rise in serum prolactin following yttrium-90 interstitial irradiation for acromegaly. Clark AJ, et al. **Clin Endocrinol (Oxf)** 1983 Nov;19(5):557–63

Palliative therapy of tumor-induced pleural effusions with 90Yttrium-silicate. Austgen M, et al. **Eur J Respir Dis** 1984 Jan;65(1):64–7

211At radiocolloid therapy: further observations and comparison with radiocolloids of 32P, 165Dy, and 90Y. Bloomer WD, et al. **Int J Radiat Oncol Biol Phys** 1984 Mar;10(3):341–8

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long-term prospective study. I. Total results and effect of local factors] Rau R, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):265–70 (Eng. Abstr.) **(Ger)**

[Results of radiosynoviorthesis with yttrium 90 in chronic synovitis: a long-term prospective study. II. Effect of general disease parameters] Schütte H, et al. **Z Rheumatol** 1983 Sep–Oct;42(5):271–9 (Eng. Abstr.) **(Ger)**

ZEARALENONE see under RESORCINOLS

ZEATIN see under PURINES

ZEIN

ANALYSIS

An enzyme-linked immunosorbent assay for zein and other proteins using unconventional solvents for antigen adsorption. Conroy JM, et al. **Anal Biochem** 1984 Feb; 137(1):182–7

A simple and rapid dot-immunobinding assay for zein and other prolamins. Esen A, et al. **Anal Biochem** 1983 Jul 15; 132(2):462–7

GENETICS

A zein gene of maize is transcribed from two widely separated promoter regions. Langridge P, et al. **Cell** 1983 Oct;34(3):1015–22

Sequence analysis and comparison of cDNAs of the zein multigene family . Geraghty DE, et al. **EMBO J** 1982; 1(11):1329–35

Primary structure of a genomic zein sequence of maize. Hu NT, et al. **EMBO J** 1982;1(11):1337–42

Nucleotide sequence analysis of a zein genomic clone with a short open reading frame. Kridl JC, et al. **Gene** 1984 Apr;28(1):113–8

Two adjacent genomic zein sequences: structure, organization and tissue-specific restriction pattern. Spena A, et al. **J Mol Biol** 1983 Oct 5;169(4):799–811

ZERANOL see under RESORCINOLS

ZIMELIDINE

ADVERSE EFFECTS

Zimeldine tolerability in comparison to amitriptyline and placebo: findings from a multicentre trial. Claghorn J, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:104–14

The effects of zimeldine and amitriptyline on car driving and psychomotor performance. Hindmarch I, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:141–6

Adverse reactions in connection with zimeldine treatment—a review. Nilsson BS. **Acta Psychiatr Scand [Suppl]** 1983; 308:115–9

Effects of zimeldine and other antidepressants on skilled performance: a comprehensive review. Seppälä T, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:135–40 (38 ref.)

The safety of zimeldine in long-term use in depressive illness. Wälinder J, et al. **Acta Psychiatr Scand [Suppl]** 1983; 308:147–60

Possible hepatotoxicity of zimelidine. Simpson GK, et al. **Br Med J [Clin Res]** 1983 Oct 22;287(6400):1181

Zimeldine induced neuropathies. Dexter SL. **Hum Toxicol** 1984 Apr;3(2):141–3

Myalgia and elevation in muscle creatine phosphokinase during zimelidine treatment. Pomara N, et al. **J Clin Psychopharmacol** 1984 Aug;4(4):220–2

[Temperature measurements—a possibility for early diagnosis of the side effects of Zelmide?] Fyrö B, et al. **Lakartidningen** 1983 Oct 19;80(42):3907 **(Swe)**

ANALOGS & DERIVATIVES

Characterization of the binding of 3H-norzimeldine, a 5-HT uptake inhibitor, to rat brain homogenates. Hall H. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):33–40

Influence of food intake on the bioavailability of zimeldine and its active metabolite, norzimeldine. Wahlén A, et al. **Drug Nutr Interact** 1983;2(3):175–81

METABOLISM

Pharmacokinetic study of zimelidine using a new GLC method. Caillé G, et al. **Clin Pharmacokinet** 1983 Nov–Dec;

8(6):530–40
Influence of food intake on the bioavailability of zimeldine and its active metabolite, norzimeldine. Wahlén A, et al. **Drug Nutr Interact** 1983;2(3):175–81

PHARMACODYNAMICS

The research and development of a 5-HT selective reuptake blocker. Preclinical aspects. Agurell S. **Acta Psychiatr Scand [Suppl]** 1983;308:19–24
Effects of amitriptyline, desipramine and zimeldine, alone and in combination with ethanol, on information processing and memory in healthy volunteers. Linnoila M, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:175–81
Cardiovascular effects of zimeldine. Pottage A, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:125–30
A comparison of zimeldine and amitriptyline on cardiovascular effects in healthy volunteers. Wester HA. **Acta Psychiatr Scand [Suppl]** 1983;308:131–4
Reduction of norepinephrine turnover by serotonergic drug in man. Rudorfer MV, et al. **Biol Psychiatry** 1984 Feb; 19(2):179–93
Zimelidine–induced variations in alcohol intake by nondepressed heavy drinkers. Naranjo CA, et al. **Clin Pharmacol Ther** 1984 Mar;35(3):374–81
Differential effects of amitriptyline and of zimelidine on the sleep electroencephalogram of depressed patients. Shipley JE, et al. **Clin Pharmacol Ther** 1984 Aug;36(2):251–9
The effect of zimelidine and amitriptyline on the brain concentration of some indolic and phenolic monoamines in the mouse. Juorio AV, et al. **Eur J Pharmacol** 1984 Jan 27;97(3–4):191–6
Reduced metabolism and turnover rates of rat brain dopamine, norepinephrine and serotonin by chronic desipramine and zimelidine treatments. Karoum F, et al. **Eur J Pharmacol** 1984 Apr 20;100(2):137–44
Zimelidine effects on memory impairments produced by ethanol. Weingartner H, et al. **Life Sci** 1983 Nov 28; 33(22):2159–63
Zimeldine: a review of its effects on ethanol consumption. Amit Z, et al. **Neurosci Biobehav Rev** 1984 Spring; 8(1):35–54 (195 ref.)
Common mechanism of action of biochemically 'specific' antidepressants. Potter WZ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):153–61
The role of serotonin (5-HT) in the control of TSH and prolactin release in euthyroid subjects as assessed by the administration of ketanserin (5-HT2 antagonist) and zimelidine (5-HT re-uptake inhibitor). O'Malley BP, et al. **Psychoneuroendocrinology** 1984;9(1):13–9
A study of the effects of zimelidine on the pharmacokinetics and pharmacodynamics of temazepam in healthy volunteers. Fagan D, et al. **Psychopharmacology (Berlin)** 1984;82(3):252–5
Decreased morphine intake by opiate addicted rats administered zimelidine, a 5-HT uptake inhibitor. Rönnbäck L, et al. **Psychopharmacology (Berlin)** 1984; 82(1–2):30–5
[Neurochemical analysis of the mechanism of action of serotoninergic substances on avoidance behavior in situations of acute stress] Shelekhov SL, et al. **Biull Eksp Biol Med** 1984 Apr;97(4):423–6 (Eng. Abstr.) **(Rus)**

POISONING

Convulsions after self poisoning with zimeldine. Chapman BJ, et al. **Br Med J [Clin Res]** 1983 Dec 3;287(6406):1672–3
Safety of zimeldine in overdose. Judd FK, et al. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1592–3

THERAPEUTIC USE

Zimeldine to geriatric patients in once daily dosage. A pharmacokinetic and clinical study. Dehlin O, et al. **Acta Psychiatr Scand** 1984 Feb;69(2):103–11
Zimeldine treatment of obsessive–compulsive disorder. Biological and neuropsychological aspects. Kahn RS, et al. **Acta Psychiatr Scand** 1984 Mar;69(3):259–61
Zimeldine versus amitriptyline in endogenous depression. A double-blind study with special reference to effects on liver function. Larsen FW, et al. **Acta Psychiatr Scand** 1984 Apr; 69(4):343–
Recent advances with zimeldine, the 5-HT reuptake blocker, in the treatment of depression. Proceedings of a symposium. Laxenburg, Austria, July 9, 1983. **Acta Psychiatr Scand [Suppl]** 1983;308:1–199
The efficacy of zimeldine in preventing depressive episodes in recurrent major depressive disorders—a double-blind placebo–controlled study. Björk K. **Acta Psychiatr Scand [Suppl]** 1983;308:182–9
Zimeldine in depressive illness—efficacy and safety data. Burrows GD, et al. **Acta Psychiatr Scand [Suppl]** 1983; 308:31–40
The new antidepressant zimeldine in general practice. A surveillance study of 15,000 patients. Fünfgeld EW. **Acta Psychiatr Scand [Suppl]** 1983;308:96–103
Zimeldine in the treatment of depression in the elderly. Gottfries CG. **Acta Psychiatr Scand [Suppl]** 1983;308:80–3
A multicentre double-blind comparative trial of zimeldine and imipramine in primary major depressive disorders. Hiramatsu KI, et al. **Acta Psychiatr Scand [Suppl]** 1983; 308:41–54
Comparison between zimeldine and amitriptyline of efficacy and adverse symptoms—a combined analysis of four British clinical trials in depression. Huitfeldt B, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:55–69
A double-blind, controlled evaluation of zimeldine, imipramine and placebo in patients with primary affective disorders. Merideth CH, et al. **Acta Psychiatr Scand [Suppl]** 1983;308:70–9
Anxiety as part of depression. Montgomery SA. **Acta Psychiatr Scand [Suppl]** 1983;308:171–4
A double-blind study of zimelidine, a serotonin uptake inhibitor, and desipramine, a norepinephrine uptake inhibitor, in endogenous depression: clinical and biochemical findings. Aberg-Wistedt A, et al. **Adv Biochem Psychopharmacol** 1984;39:439–47
Platelet serotonin uptake inhibition as a basis for monitoring antidepressant drug treatment. Lingjaerde O. **J Clin Psychopharmacol** 1984 Apr;4(2):76–81
A double blind study of imipramine versus zimelidine in treatment of obsessive compulsive neurosis. Prasad A. **Pharmacopsychiatry** 1984 Mar;17(2):61–2
Double blind study comparing the efficacy of zimelidine and amitriptyline in endogenous depression. O'Connor M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(1):127–32
[Study of the interaction between glibenclamide and zimelidine in acute and chronic administration] Oltmanns D, et al. **Med Welt** 1983 Sep 2;34(35):926–9 **(Ger)**

TOXICITY

Toxicological studies on zimeldine. Malmfors T. **Acta Pharm Suec** 1983;20(4):295–310
Cardiovascular effects of zimelidine and tricyclic antidepressants in conscious rats. Forsberg T, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):223–9
On the influence of zimelidine on left ventricular contractility. Wester HA, et al. **Pharmacopsychiatria** 1983 Jul;16(4):127–9

ZINC

Liberation of copper, zinc, and cadmium from different amalgams. Gjerdet NR, et al. **Acta Odontol Scand** 1983 Aug;41(4):217–20
Zinc nutriture in the elderly in relation to taste acuity, immune response, and wound healing. Sandstead HH, et al. **Am J Clin Nutr** 1982 Nov;36(5 Suppl):1046–59 (115 ref.)
Crystal-structure determination of reduced nicotinamide adenine dinucleotide complex with horse liver alcohol dehydrogenase maintained in its apo conformation by zinc-bound imidazole. Cedergren-Zeppezauer E. **Biochemistry** 1983 Dec 6;22(25):5761–72
Circular dichroism and ordered structure of bisnucleoside oligophosphates and their Zn2+ and Mg2+ complexes. Holler E, et al. **Biochemistry** 1983 Oct 11;22(21):4924–33
A solution equivalent of the 2Zn⟷4Zn transformation of insulin in the crystal. Renscheidt H, et al. **Eur J Biochem** 1984 Jul 2;142(1):7–14
Study of the Hansenula anomala yeast flavocytochrome-b2—cytochrome-c complex 1. Characterization of fluorescent Zn(II)-substituted cytochrome c. Thomas MA, et al. **Eur J Biochem** 1983 Oct 3;135(3):569–76
Synthesis and characterisation of tetracycline hydrochloride and doxycycline–hydrochloride complexes with Cu(II) and Zn (II). Katakwar TK, et al. **Hindustan Antibiot Bull** 1984 Feb–May;26(1–2):9–13
Effect of zinc sulphate-induced anosmia on estrous cycle of the laboratory mice. Gangrade BK, et al. **Indian J Exp Biol** 1983 Aug;21(8):425–7
Unusual radiologic shadows due to calamine lotion. Callen JP, et al. **Int J Dermatol** 1984 Mar;23(2):145–6
Cements containing syringic acid esters — o-ethoxybenzoic acid and zinc oxide. Brauer GM, et al. **J Dent Res** 1984 Feb;63(2):137–40
Dielectric properties of glass ionomer cements—further studies. Tay WM, et al. **J Dent Res** 1984 Jan;63(1):74–5
Impregnation of biological material by ZnI2–OSO4, KI–OSO4 and NaI–OSO4 mixtures for electron microscopic observations: chemical interpretation of the reaction. Carrapiço F, et al. **J Microsc** 1984 May;134 (Pt 2):193–202
Three-dimensional reconstruction of tubulin in zinc-induced sheets. II. Consequences of removal of microtubule associated proteins. Ceska TA, et al. **J Mol Biol** 1984 May 25;175(3):349–70
Metal-binding ligands in Viokase. Martin MT, et al. **J Pediatr Gastroenterol Nutr** 1983;2(3):555–8
Zinc Z-DNA. Fazakerley GV. **Nucleic Acids Res** 1984 Apr 25;12(8):3643–8
Biochemistry of zinc. Olhaberry JV, et al. **S Afr Med J** 1983 Nov 26;64(23):894–5
Corrosion of zinc-containing dental amalgam. Jensen SJ. **Scand J Dent Res** 1983 Aug;91(4):325–8
Corrosion of amalgams with special regard to zinc. Johansson B, et al. **Scand J Dent Res** 1983 Aug;91(4):320–4

ADMINISTRATION & DOSAGE

Sustained effect of zinc-protamin-glucagon in hyperlipidaemic patients. Buch J, et al. **Acta Pharmacol Toxicol (Copenh)** 1983 Sep;53(3):188–92
Microbiological and radioimmunological assays for folic acid in whole blood compared: effect of zinc nutriture [letter] Milne DB, et al. **Clin Chem** 1983 Dec;29(12):2117–8
Effects of the interrelationship between dietary protein and minerals on tissue content of trace metals in streptozotocin–diabetic rats. Johnson WT, et al. **J Nutr** 1984 Jan;114(1):180–90
The effects of high dietary zinc and copper deficiency on the activity of copper–requiring metalloenzymes in the growing rat. L'Abbé MR, et al. **J Nutr** 1984 May; 114(5):813–22
The effects of dietary zinc on the activity of copper–requiring metalloenzymes in the rat. L'Abbé MR, et al. **J Nutr** 1984 May;114(5):823–8
Induction and accumulation of metallothionein in liver and pancreas of chicks given oral zinc: a tissue comparison. McCormick CC. **J Nutr** 1984 Jan;114(1):191–203
Effect of dietary zinc sources and pregnancy on zinc utilization in adult women fed controlled diets. Swanson CA, et al. **J Nutr** 1983 Dec;113(12):2557–67
Zinc and copper requirements during parenteral nutrition in the newborn. Suita S, et al. **J Pediatr Surg** 1984 Apr; 19(2):126–30
Improvement of uremic neuropathy and hypogeusia by dialysate zinc supplementation: a double-blind study. Sprenger KB, et al. **Kidney Int [Suppl]** 1983 Dec;16:S315–8
High dietary zinc and fasting as methods of forced resting: a performance comparison. McCormick CC, et al. **Poult Sci** 1984 Jun;63(6):1201–6
Forced resting by high dietary zinc: tissue zinc accumulation and reproductive organ weight changes. McCormick CC, et al. **Poult Sci** 1984 Jun;63(6):1207–12
Interaction of dietary zinc, genetic strain, and acetazolamide in teratogenesis in mice. Hackman RM, et al. **Teratology** 1983 Dec;28(3):355–68
[Fluoride content in the enamel after topical application of zinc, aluminum and fluoride] Marci F et al. **Bull Group Int Rech Sci Stomatol Odontol** 1983 Nov; 26(3):215–20 (Eng. Abstr.) **(Fre)**
[Is the substitution of zinc and copper in parenterally fed polytraumatized patients needed? Analysis of 34 patients] Grätz KW, et al. **Schweiz Med Wochenschr** 1983 Aug 20; 113(33):1133–5 (Eng. Abstr.) **(Ger)**
[Clinical studies on zinc oxide ointment replacing boric acid and zinc oxide ointment (JP8)] Kubota K, et al. **Hokkaido Igaku Zasshi** 1983 Jul;58(4):400–5 (Eng. Abstr.) **(Jpn)**
[Biochemical evaluation of dietary magnesium and zinc intake in infants and children. Preliminary studies] Skorkowska-Zieleniewska J, et al. **Rocz Panstw Zakl Hig** 1983;34(3):263–9 (Eng. Abstr.) **(Pol)**
[Prevention of puerperal endometritis by zinc electrophoresis with diadynamic currents] Strugatskii VM, et al. **Akush Ginekol (Mosk)** 1984 Feb;(2):53–5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Lung cancer mortality among workers making lead chromate and zinc chromate pigments at three English factories. Davies JM. **Br J Ind Med** 1984 May;41(2):158–69
Retinotoxic effect of zinc, manganese and molybdenum on rabbit retina (an experimental study). Khosla PK, et al. **Indian J Ophthalmol** 1983 Sep;31(5):545–7
Subnormal serum zinc concentration in a patient with zinc fever. Ulvik RJ. **J Soc Occup Med** 1983 Oct;33(4):187–9
Excessive intake of zinc impairs immune responses. Chandra RK. **JAMA** 1984 Sep 21;252(11):1443–6

ANALYSIS

Zinc concentrations in skimmed milk and whole milk samples from healthy and mastitic cows. Verheijden JH, et al. **Am J Vet Res** 1983 Sep;44(9):1637–40
Composition and structure of zinc-deficient Euglena gracilis chromatin. Stankiewicz AJ, et al. **Biochemistry** 1983 Oct 25;22(22):5150–6
Antibacterial activity in human amniotic fluid: relationship to zinc and phosphate. Scane TM, et al. **Br J Obstet Gynaecol** 1984 Apr;91(4):342–8
Cytoarchitectonic distribution of zinc in the hippocampus of man and the rat. Frederickson CJ, et al. **Brain Res** 1983 Aug 29;273(2):335–9
Elevation of cadmium, lead, and zinc in the hair of adult black female hypertensives. Medeiros DM, et al. **Bull Environ Contam Toxicol** 1984 May;32(5):525–32
Use of fish gill and liver tissue to monitor zinc pollution. Saltes JG, et al. **Bull Environ Contam Toxicol** 1984 Feb; 32(2):233–7
Rapid colorimetry of zinc in seminal fluid. Lampugnani L, et al. **Clin Chem** 1984 Aug;30(8):1366–8
Sorbitol dehydrogenase is a zinc enzyme. Jeffery J, et al. **EMBO J** 1984 Feb;3(2):357–60
The effect of fermentation on the iron, phosphorus and zinc content of tef (Eragrostis tef). Ramachandran K, et al. **Ethiop Med J** 1984 Jan;22(1):45–8
Altered brain copper and zinc content in quaking mice. Rosenfeld J, et al. **Exp Neurol** 1983 Oct;82(1):55–63
Zinc test as a new tool for identification of human seminal stains. Suzuki O, et al. **Forensic Sci Int** 1983 Aug–Sep; 22(2–3):231–5
Endogenous elements in the prostate. An X-ray

microanalytical study of freeze-dried frozen sections and histochemical localization of zinc by potassium pyroantimonate. Timms BG, et al. **Histochem J** 1984 Jul; 16(7):733–54

The concentration of zinc in relation to fundamental elements in the diseased human prostate. Marczyńska A, et al. **Int Urol Nephrol** 19e3;15(3):257–65

Spectrographic determination of zinc in the tissues of adenoma and carcinoma of the prostate. Romics I, et al. **Int Urol Nephrol** 1983;15(2):171–6

Copper and zinc in selected foods. Lawler MR, et al. **J Am Diet Assoc** 1984 Sep;84(9):1028–30

Zinc intakes of lactating and nonlactating women: analyzed vs. calculated values. Moser PB, et al. **J Am Diet Assoc** 1984 Jan;84(1):42–6

Purification of intact and nicked forms of a zinc-containing, Mg2+-dependent, low Km cyclic AMP phosphodiesterase from bakers' yeast. Suoranta K, et al. **J Biol Chem** 1984 Jun 10;259(11):6964–71

Zinc in mammalian sperm: a review. Hidiroglou M, et al. **J Dairy Sci** 1984 Jun;67(6):1147–56 (64 ref.)

The influence of hair color on the concentration of zinc and copper in boys' hair. Dorea JG, et al. **J Nutr** 1983 Nov; 113(11):2375–81

Zinc concentration in normal and healing gingival tissues in beagle dogs. Williamson CE, et al. **J Periodontol** 1984 Mar;55(3):170–4

Problems in the measurement of zinc using heparin as an anticoagulant. Gervin CA, et al. **Life Sci** 1983 Dec 26; 33(26):2643–9

Research on zinc intake and elimination in the Japanese in the early 1980's. Ninomiya K. **Osaka City Med J** 1983; 29(1):43–64

Zinc in formulas [letter] Hambidge KM. **Pediatrics** 1984 Mar; 73(3):412–3

Prostatic weight and zinc concentration. Tisell LE, et al. **Prog Clin Biol Res** 1984;145:333–44 (25 ref.)

Ultrastructural localization of zinc in the hyperplastic prostate. Okada K, et al. **Prostate** 1983;4(6):631–8

Zinc content in the epididymis, vas deferens, prostate, and seminal vesicles of juvenile rhesus monkey (Macaca mulatta): effect of androgen and estrogen. Srivastava A, et al. **Prostate** 1984;5(2):153–8

Iron, copper, zinc and selenium in human liver tissue measured by X-ray fluorescence spectrometry. Milman N, et al. **Scand J Clin Lab Invest** 1983 Dec;43(8):691–7

Plasma zinc and jejunal mucosal zinc in gastric carcinoma. Elmes ME, et al. **Sci Total Environ** 1984 Mar 1; 34(1–2):49–56

Physico-chemical characterization of atmospheric trace metal emissions from a primary zinc-lead smelter. Harrison RM, et al. **Sci Total Environ** 1983 Nov;31(2):129–40

Cd, Fe and Zn content of the epiphytic lichen Hypogymnia physodes in a Finnish suburb. Lodenius M, et al. **Sci Total Environ** 1983 Dec 15;32(1):81–5

Testicular atrophy of rats induced by di-2-ethylhexyl phthalate: effects of vitamin A and zinc concentrations in the testis, liver and serum. Oishi S. **Toxicol Lett** 1984 Jan; 20(1):75–8

Zinc and cadmium in cell fractions of prostatic cancer tissues of different histological grading in comparison to BPH and normal prostate. Feustel A, et al. **Urol Res** 1984; 12(2):147–50

[Determination of zinc content in blood, liver tissue, urine and hair of patients with chronic liver diseases and its clinical significance] Dang ZD. **Chung Hua Nei Ko Tsa Chih** 1983 Dec;22(12):758–60 (Eng. Abstr.) **(Chi)**

[Determination of zinc in gastric tissue, gastric fluids, plasma and urine in gastric cancer and non-cancer patients] Song GP. **Chung Hua Nei Ko Tsa Chih** 1983 Oct;22(10):632–3 (Eng. Abstr.) **(Chi)**

[Hair zinc values of adolescents at different levels of physical growth and development] Ren SG. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1983 Sep;17(5):285–8 (Eng. Abstr.) **(Chi)**

[Types of binding of iron, copper and zinc in various varieties of tea] Weber G, et al. **Z Lebensm Unters Forsch** 1984; 178(2):110–3 (Eng. Abstr) **(Ger)**

[Determination of zinc in the hair of patients with psoriasis] Donadini A, et al. **G Ital Dermatol Venereol** 1982 May–Jun; 117(3):137–9 (Eng. Abstr.) **(Ita)**

[Clinical significance of hepatic tissue zinc contents in hepatocellular carcinoma and chronic liver diseases] Kameda Y. **Nippon Shokakibyo Gakkai Zasshi** 1983 Dec; 80(12):2556–63 (Eng. Abstr.) **(Jpn)**

[Plasma proteases and metals] Kawabata S, et al. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):320–32 (63 ref.) **(Jpn)**

[Role of Zn in delta-aminolevulinic acid dehydratase] Yoshinaga T. **Tanpakushitsu Kakusan Koso** 1983 Jul;(26 Suppl):273–86 (49 ref.) **(Jpn)**

[Theoretical evaluation of the nutritive value of daily diets in boarding schools in the light of the results of laboratory analysis. III. Copper, zinc, manganese] Trzebska-Jeske I, et al. **Rocz Panstw Zakl Hig** 1983;34(2):121–6 (Eng. Abstr.) **(Pol)**

[Ca2+, Mg2+, Zn2+ levels in histone fractions from normal and tumor cells] Tkeshelashvili LK, et al. **Biofizika** 1983 Jul–Aug;28(4):582–4 (Eng. Abstr.) **(Rus)**

[Determination of copper, lead and zinc in fruit preserves] Grinberg NKh, et al. **Vopr Pitan** 1984 May–Jun;(3):66–9 (Eng. Abstr.) **(Rus)**

[Zinc in the environment and its relation to human reproduction] Poradovský K, et al. **Cesk Gynekol** 1984 May;49(4):243–7 (Eng. Abstr.) **(Slo)**

[Deficiencies of essential microelements in Hispanic-American diets] Fírbas J, et al. **Arch Latinoam Nutr** 1983 Mar;33(1):189–200 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Calcitonin inhibits the increase in bone acid phosphatase activity by high dose of zinc in rats. Yamaguchi M, et al. **Toxicol Lett** 1983 Oct–Nov;19(1–2):155–8

BLOOD

Zinc levels of serum, hair and urine in homozygous beta-thalassemic subjects under hypertransfusional treatment. Rea F, et al. **Acta Haematol (Basel)** 1984; 71(2):139–42

The diagnostic value of serum copper/zinc ratio in gynecological tumors. Brandes JM, et al. **Acta Obstet Gynecol Scand** 1983;62(3):225–9

Serum zinc concentrations in growing premature infants. Tyrala EE, et al. **Acta Paediatr Scand** 1983 Sep;72(5):695–8

First trimester serum zinc concentrations in human pregnancy. Breskin MW, et al. **Am J Clin Nutr** 1983 Dec; 38(6):943–53

Zinc bioavailability and infant formulas [letter] Craig WJ, et al. **Am J Clin Nutr** 1984 Jun;39(6):981–3

Zinc absorption in celiac disease and dermatitis herpetiformis: a test of small intestinal function. Crofton RW, et al. **Am J Clin Nutr** 1983 Nov;38(5):706–12

Erythrocyte and dietary zinc in adolescent females. Kenney MA, et al. **Am J Clin Nutr** 1984 Mar;39(3):446–51

The effect of red cell and plasma transfusion on serum zinc and copper levels in the neonate. Lockitch G, et al. **Am J Clin Nutr** 1983 Nov;38(5):701–5

Maternal zinc, iron, folic acid, and protein nutriture and outcome of human pregnancy. Mukherjee MD, et al. **Am J Clin Nutr** 1984 Sep;40(3):496–507

Abnormal zinc metabolism in type II diabetes mellitus [letter] Fitzharris JW. **Am J Med** 1984 Jun;76(6):A60, A75

Changes in plasma zinc content after exercise in men fed a low-zinc diet. Lukaski HC, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):E88–93

Distribution of zinc amongst human serum globulins determined by gel filtration—affinity chromatography and atomic-absorption spectrophotometry. Foote JW, et al. **Analyst** 1984 Jun;109(6):709–11

Zinc in multiple sclerosis. Dore-Duffy P, et al. **Ann Neurol** 1983 Oct;14(4):450–4

Peripheral blood leucocyte zinc depletion in babies with intrauterine growth retardation. Meadows N, et al. **Arch Dis Child** 1983 Oct;58(10):807–9

Zinc in plasma and red blood cells of children with chronic renal failure. López-Uriarte A, et al. **Arch Invest Med (Mex)** 1984 Jan–Mar;15(1):45–54 **(Eng, Spa)**

Effect of dietary linoleic acid on the tissue levels of zinc and copper, and serum high density lipoprotein cholesterol. Koo SI, et al. **Atherosclerosis** 1984 Feb;50(2):123–32

Effect of bacterial endotoxin on body temperature, plasma zinc and plasma concentrations of the acute-phase protein serum amyloid p component in mice. Poole S, et al. **Br J Exp Pathol** 1984 Aug;65(4):431–9

Lead and zinc concentrations in plasma, erythrocytes, and urine in relation to ALA-D activity after intravenous infusion of Ca-EDTA. Ishihara N, et al. **Br J Ind Med** 1984 May;41(2):235–40

Maternal zinc status: a determination of central nervous system malformation. Buamah PK, et al. **Br J Obstet Gynaecol** 1984 Aug;91(8):788–90

Zinc, vitamin A and prostatic cancer. Whelan P, et al. **Br J Urol** 1983 Oct;55(5):525–8

Oral iron and the bioavailability of zinc. Meadows NJ, et al. **Br Med J [Clin Res]** 1983 Oct 8;287(6398):1013–4

Copper and zinc in CCl4 treated rats. Loyke HF. **Bull Environ Contam Toxicol** 1984 Apr;32(4):405–9

Postoperative serum zinc and copper concentration changes. Jiang ZM, et al. **Chin Med J [Engl]** 1983 Apr;96(4):262–4

Determination of ultrafiltrable zinc in plasma by flameless atomic absorption spectrophotometry. Whitehouse RC, et al. **Clin Chem** 1983 Nov;29(11):1974–7

Flow injection analysis-atomic absorption determination of serum zinc. Attiyat AS, et al. **Clin Chim Acta** 1984 Feb 28;137(2):151–7

Skin disorders and vitamin A metabolism disturbances in chronic dialysis patients: the role of zinc, retinol-binding protein, retinol and retinoic acid. Delacoux E, et al. **Clin Chim Acta** 1984 Mar 13;137(3):283–9

Selenium, zinc and copper in Down's syndrome (trisomy 21): blood levels and relations with glutathione peroxidase and superoxide dismutase. Nève J, et al. **Clin Chim Acta** 1983 Sep 30;133(2):209–14

Determination of plasmatic copper and zinc in uncomplicated pregnancies. Guaschino S, et al. **Clin Exp Obstet Gynecol** 1984;11(3):72–5

Zinc metabolism in chronic renal insufficiency with or without dialysis therapy. Aggett PJ. **Contrib Nephrol** 1984; 38:95–102

Zinc metabolism does not influence sexual function in chronic renal insufficiency. Rodger RS, et al. **Contrib Nephrol** 1984; 38:112–5

Leukocyte zinc in the assessment of zinc status. Patrick J, et al. **CRC Crit Rev Clin Lab Sci** 1984;20(2):95–114

Serum zinc, magnesium and calcium status in the Wernicke-Korsakoff syndrome. Majumdar SK, et al. **Drug Alcohol Depend** 1983 Dec;12(4):403–5

A comparative study of zinc, copper, cadmium, and lead levels in fertile and infertile men. Stanwell-Smith R, et al. **Fertil Steril** 1983 Nov;40(5):670–7

Relation between maternal plasmatic zinc levels and uterine contractility. Duró-Travé T, et al. **Gynecol Obstet Invest** 1984;17(5):247–51

The influence of portosystemic shunting on zinc and vitamin A metabolism in liver cirrhosis. Schölmerich J, et al. **Hepatogastroenterology** 1983 Aug;30(4):143–7

A genetic study of red blood cell zinc concentration in man. Darlu P, et al. **Hum Hered** 1983;33(5):311–8

Relationship between serum zinc and alkaline phosphatase. Nanji AA, et al. **Hum Nutr Clin Nutr** 1983 Dec;37(6):461–2

Serum zinc level in pica. Bhalla JN, et al. **Indian Pediatr** 1983 Sep;20(9):667–70

Trace elements (copper and zinc) and malnutrition [letter] Sharda B. **Indian Pediatr** 1984 Jan;21(1):77

Zinc in patients with chronic renal failure. Piechota W, et al. **Int Urol Nephrol** 1983;15(4):377–82

Plasma zinc and copper levels of infants fed different milk formulas. Craig WJ, et al. **J Am Coll Nutr** 1984;3(2):183–6

Study of trace elements (Zinc, Iron, Copper) and Magnesium in normal healthy population. Chawla LS, et al. **J Assoc Physicians India** 1983 Mar;31(3):141–3

The distribution of zinc in human erythrocytes. Gardiner PE, et al. **J Clin Chem Clin Biochem** 1984 Feb;22(2):159–63

Albumin bound and alpha 2-macroglobulin bound zinc concentrations in the sera of healthy adults. Foote JW, et al. **J Clin Pathol** 1984 Sep;37(9):1050–4

Plasma zinc and inappetence in sheep infected with Trichostrongylus colubriformis. Symons LE. **J Comp Pathol** 1983 Oct;93(4):547–50

Decline in serum zinc level throughout adult life in the laboratory mouse. Woodward WD, et al. **J Gerontol** 1984 Sep;39(5):521–4

Serum zinc in malnourished children. Sareen D, et al. **J Indian Med Assoc** 1984 Feb;82(2):52–3

Effect of excess L-lysine on rat growth and on plasma and tissue concentrations of copper, iron and zinc. Mitchell GV, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):709–15

Serum zinc, copper, and selenium concentrations in preterm infants receiving enteral nutrition or parental nutrition supplemented with zinc and copper. Friel JK, et al. **J Pediatr** 1984 May;104(5):763–8

Serum levels of trace elements (zinc and copper) in malnourished children in Bangladesh. Bashar SA, et al. **JPMA** 1983 Oct;33(10):251–5

Cutis laxa and low serum zinc after antenatal exposure to penicillamine [letter] Harpey JP, et al. **Lancet** 1983 Oct 8;2(8354):858

Hyperzincemia in anencephaly and spina bifida: a clue to the pathogenesis of neural tube defects? Zimmerman AW. **Neurology (NY)** 1984 Apr;34(4):443–50

Plasma levels of zinc in protein-calorie malnutrition and after nutritional rehabilitation. **Nutr Rev** 1983 Jul;41(7):209–11 (7 ref.)

Serum zinc and copper in oral/oropharyngeal carcinoma. A study of seventy-five patients. Silverman S Jr, et al. **Oral Surg** 1984 Jan;57(1):34–6

Zinc in plasma and serum: influence of contamination due to the collection tubes. Keyzer JJ, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):248–51

How adequate is plasma zinc as an indicator of zinc status? Abdulla M. **Prog Clin Biol Res** 1983;129:171–83

Cell-mediated immunity, serum and lymphocyte zinc levels in Hodgkin's disease. Acar S, et al. **Prog Clin Biol Res** 1983;129:255–60

Zinc levels in maternal and cord blood serum during normal deliveries. Babacan E, et al. **Prog Clin Biol Res** 1983; 129:221–6

Serum zinc in psychiatric patients. Hullin RP. **Prog Clin Biol Res** 1983;129:197–206

Determination of zinc in erythrocytes, granulocytes and serum by flame atomic absorption spectrophotometry. Jepsen LV. **Scand J Clin Lab Invest** 1984 Jun;44(4):299–303

Inorganic chemical elements and cancer. Abdulla M. **Z Gesamte Hyg** 1984 Apr;30(4):196–8

[Clinical significance of blood zinc, copper, cadmium and magnesium determinations in acute myocardial infarction] Rong YZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1983 Dec;11(4):256–9 (Eng. Abstr.) **(Chi)**

[Changes in serum zinc and copper concentrations after operative trauma] Jiang ZM. **Chung Hua Wai Ko Tsa Chih** 1983 Oct;21(10):607–8 (Eng. Abstr.) **(Chi)**

[Study of zinc levels in the serum and urine in healthy young children] Beranová Z, et al. **Cesk Pediatr** 1983 Oct; 38(10):598–600 (Eng. Abstr.) **(Cze)**

[Copper, zinc and aluminum contamination of blood specimens used for determination of these metals] Clavel JP, et al. **Pathol Biol (Paris)** 1983 Dec;31(10):851–4 (Eng. Abstr.) **(Fre)**

[Plasma zinc levels in elderly hospitalized subjects. Correlation with other nutritional and immunological markers and survival] Congy F, et al. **Sem Hop Paris** 1983

Dec 8;59(45):3105–8 (Eng. Abstr.) (Fre)
[Zinc, magnesium and calcium in coronary and peripheral blood under extracorporeal circulation conditions. Comparative studies] Heller W, et al. **Med Welt** 1983 Oct 21;34(42):1184–9 (Ger)
[Zinc levels of maternal serum and umbilical venous blood in normal, small-for-gestational age and large-for-gestational-age infants] Doszpod J, et al. **Z Geburtshilfe Perinatol** 1983 Nov–Dec;187(6):273–5 (Eng. Abstr.) (Ger)
[Correlation of blood zinc and alkaline phosphatase] Naitana S. **Boll Soc Ital Biol Sper** 1984 Mar 30;60(3):519–21 (Eng. Abstr.) (Ita)
[Degenerative diseases of the central nervous system: Huntington chorea and zinc] Albano C, et al. **Minerva Med** 1984 Apr 7;75(14–15):841 (Ita)
[Blood zinc levels in an achondroplastic child and her relatives] Ponticiello L, et al. **Pediatria (Napoli)** 1983 Jun–Sep;91(2–3):315–9 (Eng. Abstr.) (Ita)
[Plasma copper, zinc and magnesium levels in patients with primary lung cancer] Matera S, et al. **Pneumonol Pol** 1983 Aug–Sep;51(8–9):475–80 (Eng. Abstr.) (Pol)
[Potassium, magnesium and zinc concentrations in the serum, granulocytes and lymphocytes of patients with arterial hypertension treated with hydrochlorothiazide] Halawa B. **Pol Tyg Lek** 1983 May 9;38(19):595–8 (Eng. Abstr.) (Pol)
[Extent of myocardial necrosis and changes in serum iron, zinc and copper levels in myocardial infarction] Kawecka M. **Pol Tyg Lek** 1983 Nov 28;38(48):1493–6 (Eng. Abstr.) (Pol)
[Spectrophotometric determination of zinc in the blood serum using di-beta-naphthylthiocarbazone and reference standards] Karczewski J. **Rocz Panstw Zakl Hig** 1984; 35(1):63–7 (Eng. Abstr.) (Pol)
[Selected trace elements and their carriers in children with malabsorption syndromes] Ignyś I, et al. **Wiad Lek** 1983 May 15;36(10):811–20 (Eng. Abstr.) (Pol)
[Determination of zinc and calcium in peripheral blood granulocytes using metallochrome reagents] Eshchenko VA, et al. **Lab Delo** 1983;(12):3–4 (Eng. Abstr.) (Rus)

DEFICIENCY

Essential fatty acid status in zinc deficiency. Effect on lipid and fatty acid composition, desaturation activity and structure of microsomal membranes of rat liver and testes. Ayala S, et al. **Acta Physiol Lat Am** 1983;33(3):193–204
Tissue zinc levels and zinc excretion during experimental zinc depletion in young men. Baer MT, et al. **Am J Clin Nutr** 1984 Apr;39(4):556–70
Studies of marginal zinc deprivation in rhesus monkeys. III. Effects on vitamin A metabolism. Baly DL, et al. **Am J Clin Nutr** 1984 Aug;40(2):199–207
Persistent immunological consequences of gestation zinc deprivation. Beach RS, et al. **Am J Clin Nutr** 1983 Oct; 38(4):579–90
Studies of marginal zinc deprivation in rhesus monkeys: II. Pregnancy outcome. Golub MS, et al. **Am J Clin Nutr** 1984 Jun;39(6):879–87
Studies of marginal zinc deprivation in rhesus monkeys. I. Influence on pregnant dams. Golub MS, et al. **Am J Clin Nutr** 1984 Feb;39(2):265–80
Zinc absorption from human milk: need for zinc supplementation [letter] Gupta AP, et al. **Am J Dis Child** 1984 Oct;138(10):989–90
Response of the reproductive system of male rats to protein and zinc deficiency during puberty. Salem SI, et al. **Ann Nutr Metab** 1984;28(1):44–51
A zinc-deficient diet for ruminants: diagnosis and treatment of deficiency. Lamand M, et al. **Ann Rech Vet** 1983; 14(3):211–5
Effects of zinc deficiency on developmental changes in alkaline phosphatase and carbonic anhydrase activities in the submandibular gland of the rat. Gandor DW, et al. **Arch Oral Biol** 1983;28(7):609–15
The effect of iron supplements on pregnancy in rats given a low-zinc diet. Fairweather-Tait SJ, et al. **Br J Nutr** 1984 Jul;52(1):79–86
Effect of zinc deficiency on muscle fibre type frequencies in the post-weanling rat. Maltin CA, et al. **Br J Nutr** 1983 Nov;50(3):597–604
Alterations in the postnatal development of the cerebellar cortex due to zinc deficiency. I. Impaired acquisition of granule cells. Dvergsten CL, et al. **Brain Res** 1983 Jul 25; 271(2):217–26
Suboptimal dietary zinc intake increases aluminum accumulation into the rat brain. Wenk GL, et al. **Brain Res** 1983 Dec 12;288(1–2):393–5
Forestomach squamous papillomas in the rat: effect of dietary zinc deficiency on induction. Ng WL, et al. **Cancer Lett** 1984 Apr;22(3):329–32
Is transient hypogammaglobulinemia of infancy a manifestation of zinc deficiency? Lentz D, et al. **Dev Comp Immunol** 1984 Winter;8(1):1–5
Effect of zinc deficiency on serum somatomedin levels and skeletal growth in young rats. Oner G, et al. **Endocrinology** 1984 May;114(5):1860–3
Effects of zinc, iron and copper deficiencies on cadmium in tissues of Japanese quail. Fox MR, et al. **Environ Health Perspect** 1984 Mar;54:57–65
In vivo and in vitro studies of thymulin in marginally zinc-deficient mice. Dardenne M, et al. **Eur J Immunol** 1984 May;14(5):454–8
Somatomedin-C in zinc deficiency. Cossack ZT. **Experientia** 1984 May 15;40(5):498–500
Zinc and vitamin A deficiency in liver cirrhosis. Schölmerich J, et al. **Hepatogastroenterology** 1983 Aug;30(4):119–25 (189 ref.)
Zinc depletion after small-bowel resections for Crohn's disease. Hessov I, et al. **Hum Nutr Clin Nutr** 1983 Sep; 37(5):353–9
The isolated, vascularly perfused, small intestine of the rat: a useful tool for the study of absorption in nutritional deficiency. McMaster D, et al. **Ir J Med Sci** 1983 Sep; 152(9):329–35
Zinc deficiency in sheep and goats: three field cases. Nelson DR, et al. **J Am Vet Med Assoc** 1984 Jun 15;184(12):1480–5
Zinc—an essential micronutrient. Goel R, et al. **J Assoc Physicians India** 1983 May;31(5):281–2
Zinc deficiency in Sudanese desert sheep. Mahmoud OM, et al. **J Comp Pathol** 1983 Oct;93(4):591–5
Acrodermatitis enteropathica. Aggett PJ. **J Inherited Metab Dis** 1983;6 Suppl 1:39–43
Serum and hair zinc as predictors of clinical symptoms in acrodermatitis enteropathica. Anttila P, et al. **J Inherited Metab Dis** 1984;7(1):46–8
Alterations in human natural killer cell activity and monocyte cytotoxicity induced by zinc deficiency. Allen JI, et al. **J Lab Clin Med** 1983 Oct;102(4):577–89
A model to produce pure zinc deficiency in rats and its use to demonstrate that dietary phytate increases the excretion of endogenous zinc. Flanagan PR. **J Nutr** 1984 Mar; 114(3):493–502
Alteration of antibody-mediated responses of suckling mice to T-cell-dependent and independent antigens by maternal marginal zinc deficiency: restoration of responsivity by nutritional repletion. Fraker PJ, et al. **J Nutr** 1984 Jan; 114(1):170–9
Zinc deficiency affects neither platelet arachidonic acid metabolism nor platelet aggregation in rats. Hwang DH, et al. **J Nutr** 1984 Feb;114(2):398–403
Reevaluation of zinc deficiency on concanavalin-A-induced rat spleen lymphocyte proliferation. Kramer TR. **J Nutr** 1984 May;114(5):953–63
Influence of reduced food intake on polyunsaturated fatty acid metabolism in zinc-deficient rats. Kramer TR, et al. **J Nutr** 1984 Jul;114(7):1224–30
Inhibition of tumor growth by zinc depletion of rats. Mills BJ, et al. **J Nutr** 1984 Apr;114(4):746–52
The effect of dietary tyrosine levels on food intake in zinc-deficient rats. Reeves PG, et al. **J Nutr** 1984 Apr; 114(4):761–7
Measurement of plasma metallothionein-I in the assessment of the zinc status of zinc-deficient and stressed rats. Sato M, et al. **J Nutr** 1984 Sep;114(9):1683–9
Severe zinc deficiency: effects on the distribution of nine elements (potassium, phosphorus, sodium, magnesium, calcium, iron, zinc, copper and manganese) in regions of the rat brain. Wallwork JC, et al. **J Nutr** 1983 Oct; 113(10):1895–905
Fetal alcohol syndrome, malignancies, and zinc deficiency [letter] Cavdar AO. **J Pediatr** 1984 Aug;105(2):335
AIDS and zinc deficiency [letter] Weiner RG. **JAMA** 1984 Sep 21;252(11):1409–10
Zinc deficiency and the development of esophageal and forestomach tumors in Sprague-Dawley rats fed precursors of N-nitroso-N-benzylmethylamine. Fong LY, et al. **JNCI** 1984 Feb;72(2):419–25
Postpartum alopecia and zinc [letter] White J. **Med J Aust** 1984 Feb 4;i40(3):182
Zinc and benign postnatal seizures. **Nutr Rev** 1983 Jul; 41(7):211–3 (9 ref.)
Zinc deficiency in a patient with sickle cell disease. Subramanian L, et al. **Nutr Rev** 1983 Jul;41(7):217–9
Edema, hypoproteinemia, and zinc deficiency in low-birth-weight infants. Kumar SP, et al. **Pediatrics** 1984 Mar;73(3):327–9
Interaction of alcohol and zinc in fetal dysmorphogenesis. Miller SI, et al. **Pharmacol Biochem Behav** 1983;18 Suppl 1:311–5
Zinc deficiency and anorexia in rats: normal feeding patterns and stress induced feeding. Essatara MB, et al. **Physiol Behav** 1984 Mar;32(3):469–74
Zinc deficiency and anorexia in rats: the effect of central administration of norepinephrine, muscimol and bromerogocryptine. Essatara MB, et al. **Physiol Behav** 1984 Mar;32(3):479–82
The role of the endogenous opiates in zinc deficiency anorexia. Essatara MB, et al. **Physiol Behav** 1984 Mar; 32(3):475–8
Zinc deficiency in human subjects. Proceedings of an international symposium held in Ankara, Turkey, April 29–30, 1982. **Prog Clin Biol Res** 1983;129:1–268
Zinc levels of serum, plasma, erythrocytes and hair in Turkish women with anencephalic babies. Cavdar AO, et al. **Prog Clin Biol Res** 1983;129:99–106
Geophagia in Turkey: iron and zinc deficiency, iron and zinc absorption studies and response to treatment with zinc in geophagia cases. Cavdar AO, et al. **Prog Clin Biol Res** 1983;129:71–97
Pica and zinc. Danford DE. **Prog Clin Biol Res** 1983; 129:185–95
The diagnosis of nucleated tissue zinc depletion in man and its effect upon pregnancy. Meadows NJ, et al. **Prog Clin Biol Res** 1983;129:139–46
Zinc deficiency in human subjects. Prasad AS. **Prog Clin Biol Res** 1983;129:1–33 (65 ref.)
Zinc deficiency: a common immunodeficiency state. Fraker PJ. **Surv Immunol Res** 1983;2(2):155–63 (31 ref.)
Effects of zinc deficiency on pre-existing cadmium-metallothionein in the pancreas. Templeton DM, et al. **Toxicology** 1984 Jan;29(3):251–60
[Acquired zinc deficiency mimicking glucagonoma dermatitis. Histology and electron microscopy] Haneke E. **Z Hautkr** 1984 Jul 1;59(13):902–8 (Eng. Abstr.) (Ger)
[Nutritional importance of zinc in children] Tedeschi A, et al. **Minerva Pediatr** 1983 Jul 31;35(13–14):675–85 (Eng. Abstr.) (Ita)
[Zinc and immunity in children] Tucciarone L, et al. **Minerva Pediatr** 1984 Apr 15;36(7):343–9 (Eng. Abstr.) (Ita)
[Zinc in skin diseases] Kozlowska A. **Przegl Dermatol** 1983 May–Jun;70(3):311–6 (38 ref.) (Pol)
[Effect of zinc on immunoproteins in women with uterine myomas] Jendryczko A. **Wiad Lek** 1983 Dec 15; 36(24):2039–41 (Eng. Abstr.) (Pol)
[Morphological study of the small intestine in rats with experimental zinc deficiency] de Amorim CS, et al. **Arq Gastroenterol** 1984 Oct–Dec;20(4):170–4 (Eng. Abstr.) (Por)
[Zinc-deficient states in man] Zhavoronkov AA. **Arkh Patol** 1983;45(9):77–80 (43 ref.) (Eng. Abstr.) (Rus)
[Role of zinc in the pathogenesis and treatment of acne vulgaris] Sergeev VP, et al. **Vestn Dermatol Venerol** 1983 Sep;(9):14–7 (Eng. Abstr.) (Rus)
[The link between nutritional status and zinc concentrations in the blood, erythrocytes and hair in children with necatoriasis] Bencomo Gómez F, et al. **Rev Cubana Med Trop** 1983 Sep–Dec;35(3):290–302 (Eng. Abstr.) (Spa)

DIAGNOSTIC USE

Zn(II)-113Cd(II) and Zn(II)-Mg(II) hybrids of alkaline phosphatase. 31P and 113Cd NMR. Gettins P, et al. **J Biol Chem** 1984 Apr 25;259(8):4991–7
Decrease in the zinc turbidity test values in patients with liver cirrhosis: a possible indicator for impending hepatocellular carcinoma. Mishiro S, et al. **J Med** 1983; 14(3):185–92

IMMUNOLOGY

Effects of antigen stimulation and interleukin-1 on in vivo splenic zinc changes in the A/J mouse. Flynn A. **J Am Coll Nutr** 1983;2(3):205–13

ISOLATION & PURIFICATION

Extraction of copper and zinc from rubber and silicone stoppers. Bogden JD, et al. **J Toxicol Environ Health** 1983 Apr–Jun;11(4–6):967–9
A low molecular weight zinc-copper lipolytic protein from chick liver. Halevy O, et al. **Life Sci** 1984 May 14; 34(20):1945–51

METABOLISM

Subcellular distribution of zinc in the benign and malignant human prostate: evidence for a direct zinc androgen interaction. Leake A, et al. **Acta Endocrinol (Copenh)** 1984 Feb;105(2):281–8
Concentration and subcellular localization of zinc in the hippocampal formation, cerebellum, and whole brain during the postnatal development of the rat. Kalinowski M, et al. **Acta Histochem (Jena)** 1983;73(1):33–40
65Zn turnover in short-term alloxan diabetic rats. Hallmans G, et al. **Acta Med Scand [Suppl]** 1984;687:107–14
Zinc metabolism in long term alloxan diabetic rats after thermal trauma. Nyström A, et al. **Acta Med Scand [Suppl]** 1984;687:101–5
Effect of 5-chloro-7-iodo-8-hydroxy-quinoline (clioquinol) on the uptake and distribution of nickel, zinc and mercury in mice. Tjälve H, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Jul;55(1):65–72
Effects of 2-mercaptoethanol on the solubility of copper and zinc containing proteins in liver samples from normal and chronic copper poisoned sheep. Hussein KS, et al. **Acta Vet Scand** 1984;25(1):10–20
The metallobiochemistry of zinc enzymes. Vallee BL, et al. **Adv Enzymol** 1984;56:283–430 (541 ref.)
Zinc, copper, manganese, and selenium metabolism in thyroid disease. Aihara K, et al. **Am J Clin Nutr** 1984 Jul; 40(1):26–35
Determination with stable isotopes of the dietary bioavailability of zinc in premature infants. Ehrenkranz RA, et al. **Am J Clin Nutr** 1984 Jul;40(1):72–81
Studies on the solubility of Ca, Mg, Zn, and Cu in cereal products. Lyon DB. **Am J Clin Nutr** 1984 Feb;39(2):190–5
Effect of oral folic acid supplements on zinc, copper, and iron absorption and excretion. Milne DB, et al. **Am J Clin Nutr** 1984 Apr;39(4):535–9
Effects of iron, tin, and copper on zinc absorption in humans. Valberg LS, et al. **Am J Clin Nutr** 1984 Sep;40(3):536–41
Zinc transport in pregnancy. Zimmerman AW, et al. **Am J Obstet Gynecol** 1984 Jul 1;149(5):523–9
Interaction between transport of zinc and other solutes in

human intestine. Steinhardt HJ, et al. **Am J Physiol** 1984 Aug;247(2 Pt 1):G176–82

In vivo zinc transport by rat small intestine after extensive small bowel resection. Urban E, et al. **Am J Physiol** 1984 Jul;247(1 Pt 1):G88–94

Relation of dietary carbohydrates to lipid metabolism and the status of zinc and chromium in rabbits. Moersen TJ, et al. **Am J Vet Res** 1984 Jun;45(6):1238–41

Effects of metabolic acidosis on zinc and calcium metabolism in rats. Jacob M, et al. **Ann Nutr Metab** 1983;27(5):380–5

Carbonic anhydrase: zinc and the mechanism of catalysis. Coleman JE. **Ann NY Acad Sci** 1984;429:26–48

Binding of ligands to the catalytic zinc ion in horse liver alcohol dehydrogenase. Syvertsen C, et al. **Arch Biochem Biophys** 1984 Jan;228(1):159–69

Distribution of cadmium and zinc in tissues and organs, and their age-related changes in striped dolphins, Stenella coeruleoalba. Honda K, et al. **Arch Environ Contam Toxicol** 1983 Sep;12(5):543–50

Human oral retention of zinc from mouthwashes containing zinc salts and its relevance to dental plaque control. Harrap GJ, et al. **Arch Oral Biol** 1984;29(2):87–91

Zinc in the aged adult. Watson RR. **Ariz Med** 1984 Mar; 41(3):172–4

Zinc and rheumatic disease [letter] Alegre C, et al. **Arthritis Rheum** 1984 Sep;27(9):1073–4

Molecular localization of copper and zinc in rat fetal liver in dietary and drug-induced copper deficiency. Keen CL, et al. **Biochem Biophys Res Commun** 1984 Feb 14; 118(3):697–703

Selective binding behavior of zinc(II) and copper(II) ions to their native sites of apo-bovine superoxide dismutase. Hirose J, et al. **Biochem Int** 1984 Mar;8(3):401–8

Intestinal adaptation to zinc absorption following massive small bowel resection and colon interposition in rhesus monkeys. Sidhu GS, et al. **Biochem Int** 1984 Mar;8(3):463–9

Ions binding to S100 proteins: structural changes induced by calcium and zinc on S100a and S100b proteins. Baudier J, et al. **Biochemistry** 1983 Jul 5;22(14):3360–9

Metal substitution of Neurospora copper metallothionein. Beltramini M, et al. **Biochemistry** 1984 Jul 17;23(15):3422–7

Investigation of the pH dependencies of coenzyme binding to liver alcohol dehydrogensse lacking zinc ion at the active sites. Dietrich H, et al. **Biochemistry** 1983 Jul 5; 22(14):3432–8

Thermodynamic binding constants of the zinc–human serum transferrin complex. Harris WR. **Biochemistry** 1983 Aug 2;22(16):3920–6

A distinct zinc binding site in the alpha-lactalbumins regulates calcium binding. Is there a physiological role for this control? Murakami K, et al. **Biochemistry** 1983 Jul 5; 22(14):3370–4

Studies on the zinc binding site to the serum thymic factor. Gastinel LN, et al. **Biochim Biophys Acta** 1984 Feb 14; 797(2):147–55

The effects of breads containing similar amounts of phytate but different amounts of wheat bran on calcium, zinc and iron balance in man. Andersson H, et al. **Br J Nutr** 1983 Nov;50(3):503–10

The zinc requirements of broiler chicks and turkey poults fed on purified diets. Dewar WA, et al. **Br J Nutr** 1984 May;51(3):467–77

Zinc homeostasis in man: studies using a new stable isotope-dilution technique. Jackson MJ, et al. **Br J Nutr** 1984 Mar;51(2):199–208

Chemical factors affecting the intestinal absorption of zinc in vitro and in vivo. Seal CJ, et al. **Br J Nutr** 1983 Sep; 50(2):317–24

Oral iron and the bioavailability of zinc [letter] Mitchell K, et al. **Br Med J [Clin Res]** 1983 Nov 26;287(6405):1629

The effects of dietary intake and of dietary concentration of copper sulphate on the laying domestic fowl: effects on laying performance and tissue mineral contents. Stevenson MH, et al. **Br Poult Sci** 1983 Jul;24(3):327–35

Divalent transition-metal ions (Cu2+ and Zn2+) in the brains of epileptogenic and normal mice. Chung SH, et al. **Brain Res** 1983 Dec 5;280(2):323–34

Comparative localization of enkephalin and cholecystokinin immunoreactivities and heavy metals in the hippocampus. Stengaard-Pedersen K, et al. **Brain Res** 1983 Aug 22; 273(1):81–96

Cholinergic denervation-induced increase of chelatable zinc in mossy-fiber region of the hippocampal formation. Stewart GR, et al. **Brain Res** 1984 Jan 2;290(1):43–51

Uptake and excretion of cadmium, CdEDTA, and zinc by Macoma balthica. McLeese DW, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):85–92

Regional interrelationships of zinc, copper, and lead in the brain following lead intoxication. Shafiq-ur-Rehman, et al. **Bull Environ Contam Toxicol** 1984 Feb;32(2):157–65

Translocation of zinc from vacuole to nucleus during yeast meiosis. Bilinski CA, et al. **Can J Genet Cytol** 1983 Oct; 25(5):415–9

In vivo and ex vivo displacement of zinc from metallothionein by cadmium and by mercury. Day FA, et al. **Chem Biol Interact** 1984 Jul;50(2):159–74

Heavy metal detoxication in Mytilus kidney—an in vitro study of Cd- and Zn-binding to isolated tertiary lysosomes. George SG. **Comp Biochem Physiol [C]** 1983;76(1):59–65

Comparative distributions of zinc, cadmium and mercury in the tissues of experimental mice. Nicholson JK, et al. **Comp Biochem Physiol [C]** 1984;77(2):249–56

Hair copper and zinc concentrations in handicapped children treated with anticonvulsants. Ikeda T, et al. **Dev Pharmacol Ther** 1983;6(6):381–7

Relationship between insulin release and 65zinc efflux from rat pancreatic islets maintained in tissue culture. Formby B, et al. **Diabetes** 1984 Mar;33(3):229–34

Zinc and copper in patients with schizophrenia. Gillin JC, et al. **Encephale** 1982;8(3):435–44

Zinc: what is its role in biology? Williams RJ. **Endeavour** 1984;8(2):65–70

65Zinc and endogenous zinc content and distribution in islets in relationship to insulin content. Figlewicz DP, et al. **Endocrinology** 1984 Sep;115(3):877–81

Metabolism of cadmium, zinc and copper in the rat kidney: the role of metallothionein and other binding sites. Petering DH, et al. **Environ Health Perspect** 1984 Mar;54:73–81

Effect of acute stresses on Zn-thionein production in rat liver. Sugawara N, et al. **Eur J Applied Physiol** 1983; 51(3):365–70

Electrostatic field effects of coenzymes on ligand binding to catalytic zinc in liver alcohol dehydrogenase. Andersson P, et al. **Eur J Biochem** 1984 Feb 1;138(3):603–9

Poly(ADP-ribose) polymerase is a zinc metalloenzyme. Zahradka P, et al. **Eur J Biochem** 1984 Aug 1;142(3):503–9

Some observations on the zinc metabolism of the rabbit lens. Bentley PJ, et al. **Exp Eye Res** 1984 May;38(5):497–507

Zinc metabolism in normal and zinc-deficient rat brain. Kasarskis EJ. **Exp Neurol** 1984 Jul;85(1):114–27

Perturbation of a hippocampal zinc-binding pool after postnatal lead exposure in rats. Sato SM, et al. **Exp Neurol** 1984 Sep;85(3):620–30

The effect of S-100a and S-100b proteins and Zn2+ on the assembly of brain microtubule proteins in vitro. Deinum J, et al. **FEBS Lett** 1983 Nov 14;163(2):287–91

Thermostable valyl-tRNA, isoleucyl-tRNA and methionyl-tRNA synthetases from an extreme thermophile Thermus thermophilus HB8: protein structure and Zn2+ binding. Kohda D, et al. **FEBS Lett** 1984 Aug 20; 174(1):20–3

Formation of metal complexes of tumor-localizing porphyrins. Sommer S, et al. **FEBS Lett** 1984 Jul 9; 172(2):267–71

The effects of prostaglandin synthetase inhibition on the oral zinc tolerance test in man [letter] Sturniolo GC, et al. **Gastroenterol Clin Biol** 1983 Nov;7(11):933

Zinc content in liver of experimental fulminant hepatic failure rat. Kawanishi H, et al. **Hiroshima J Med Sci** 1983 Sep; 32(3):305–9

Zinc concentration and survival in rats infected with Salmonella typhimurium. Tocco-Bradley R, et al. **Infect Immun** 1984 Aug;45(2):332–8

Histochemistry of zinc and copper. Szerdahelyi P, et al. **Int Rev Cytol** 1984;89:1–33 (155 ref.)

Absorption of trace elements: zinc. Weigand E. **Int Z Vitam Ernahrungsforsch [Beih]** 1983;25:67–81 (69 ref.)

Zinc status of asthmatic, prednisone-treated asthmatic, and non-asthmatic children. Goldey DH, et al. **J Am Diet Assoc** 1984 Feb;84(2):157–63

Zinc and senile osteoporosis. Atik OS. **J Am Geriatr Soc** 1983 Dec;31(12):790–1

Zinc and spinal cord injury: a review. Sugarman B. **J Am Paraplegia Soc** 1984 Apr;7(2):39–42 (33 ref.)

Xenopus transcription factor A requires zinc for binding to the 5 S RNA gene. Hanas JS, et al. **J Biol Chem** 1983 Dec 10;258(23):14120–5

Order of metal binding in metallothionein. Nielson KB, et al. **J Biol Chem** 1983 Nov 10;258(21):13063–9

Metal dissociation constants for glyoxalase I reconstituted with Zn2+, Co2+, Mn2+, and Mg2+. Sellin S, et al. **J Biol Chem** 1984 Sep 25;259(18):11426–9

Interaction between prolactin and zinc in the human prostate gland. Leake A, et al. **J Endocrinol** 1984 Jul;102(1):73–6

Ultrastructural localization of zinc and calcium within the granules of rat Paneth cells. Dinsdale D. **J Histochem Cytochem** 1984 Feb;32(2):139–45

Zinc metabolism in animals: pathology, immunology and genetics. Chesters JK. **J Inherited Metab Dis** 1983;6 Suppl 1:34–8

Metallothionein—aspects related to copper and zinc metabolism. Cousins RJ. **J Inherited Metab Dis** 1983;6 Suppl 1:15–21 (81 ref.)

Transport and storage of metals. Laurie SH. **J Inherited Metab Dis** 1983;6 Suppl 1:9–14

A role for zinc in gene expression. Vallee BL. **J Inherited Metab Dis** 1983;6 Suppl 1:31–3

Cadmium, zinc, and copper metabolism in the mottled mouse, an animal model for Menkes' kinky hair syndrome. Packman S, et al. **J Inorg Biochem** 1983 Nov;19(3):203–11

Spectroscopic studies on the binding of iron, terbium, and zinc by apoferritin. Treffry A, et al. **J Inorg Biochem** 1984 May;21(1):9–20

The distribution and binding of zinc in the hippocampus. Sato SM, et al. **J Neurosci** 1984 Jun;4(6):1662–70

A kinetic study of the in vivo incorporation of 65ZN into the rat hippocampus. Sato SM, et al. **J Neurosci** 1984 Jun; 4(6):1671–5

The iron-zinc interrelationship in the chick as influenced by Eimeria acervulina infection. Bafundo KW, et al. **J Nutr** 1984 Jul;114(7):1306–12

Effects of dietary phytate, calcium and magnesium levels on zinc bioavailability to rats. Forbes RM, et al. **J Nutr** 1984 Aug;114(8):1421–5

Cysteine feeding affects urinary zinc excretion in normal and ethanol-treated rats. Hsu JM, et al. **J Nutr** 1983 Nov; 113(11):2171–7

Bioavailability of zinc to rats from defatted soy flour, acid-precipitated soy concentrate and neutralized soy concentrate as determined by intrinsic and extrinsic labeling techniques. Ketelsen SM, et al. **J Nutr** 1984 Mar; 114(3):536–42

Identification of copper- and zinc-binding ligands in human and bovine milk. Martin MT, et al. **J Nutr** 1984 May; 114(5):869–79

Supplementation of milk with iron bound to lactoferrin using weanling mice. II: Effects on tissue manganese, zinc, and copper. Keen CL, et al. **J Pediatr Gastroenterol Nutr** 1984 Mar;3(2):256–61

Effects of zinc and copper content of formulas on growth and on the concentration of zinc and copper in serum and hair. Matsuda I, et al. **J Pediatr Gastroenterol Nutr** 1984 Jun;3(3):421–5

Synthesis of a metallothionein-like protein by developing turkey embryos maintained in long-term, shell-less culture. Richards MP. **J Pediatr Gastroenterol Nutr** 1984; 3(1):128–36

Acrodermatitis enteropathica. Mortimer PS, et al. **J R Soc Med** 1984 Jan;77(1):67–8

Zinc transport by the heart lymphatic system after acute myocardial infarction. Gervin CA, et al. **J Surg Res** 1983 Oct;35(4):340–50

Effect of dietary cadmium on serum and liver lipids in mice in relation to interaction of essential metals, zinc, copper and iron. Sugawara N. **J Toxicol Sci** 1984 Feb;9(1):29–36

Multiple trauma and zinc metabolism in adult rats. Andreen O, et al. **J Trauma** 1984 Apr;24(4):332–6

Zinc concentration and progestin receptor in human benign hyperplastic prostate. Imai K, et al. **J Urol** 1984 Aug; 132(2):367–71

Zinc metabolism and taste acuity in renal transplant recipients. Mahajan SK, et al. **Kidney Int [Suppl]** 1983 Dec; 16:S310–4

The relationship zinc—alkaline phosphatase activity in normal and pathologic granulocytes. Chiriescu Z, et al. **Med Interne** 1983 Jul–Sep;21(3):235–9

Zinc metabolism in adrenal cortical insufficiency: effects of carbohydrate-active stercids. Henkin RI, et al. **Metabolism** 1984 Jun;33(6):491–501

Effects of acrylamide and other sulfhydryl compounds in vivo and in vitro on staining of motor nerve terminals by the zinc iodide–osmium technique. Kemplay S, et al. **Muscle Nerve** 1984 Feb;7(2):94–100

Release of endogenous Zn2+ from brain tissue during activity. Assaf SY, et al. **Nature** 1984 Apr 19–25; 308(5961):734–6

Stimulation-induced uptake and release of zinc in hippocampal slices. Howell GA, et al. **Nature** 1984 Apr 19–25;308(5961):736–8

Zinc, copper and magnesium kinetics during desferrioxamine treatment in uremic patients [letter] Segoloni GP, et al. **Nephron** 1984;36(4):278–9

Changes in zinc in milk during enzymatic digestion. Matsui H, et al. **Nippon Eiseigaku Zasshi** 1983 Oct;38(4):791–6

Bioavailability of milk zinc in infants. **Nutr Rev** 1984 Jun; 42(6):220–2

Zinc absorption after oral administration of zinc sulfate. Keyzer JJ, et al. **Pharm Weekbl [Sci]** 1983 Oct 21;5(5):252–3

Forced resting by high dietary zinc: tissue zinc accumulation and reproductive organ weight changes. McCormick CC, et al. **Poult Sci** 1984 Jun;63(6):1207–12

Zinc status and cellular immunity in pediatric Hodgkin's disease. Cavdar AO, et al. **Prog Clin Biol Res** 1983; 129:207–20

The role of zinc and zinc-binding proteins in regulation of glutamic acid decarboxylase in brain. Ebadi M, et al. **Prog Clin Biol Res** 1984;144A:255–75

Tissue zinc status in patients with chronic liver disease. Keeling PW, et al. **Prog Clin Biol Res** 1983;129:235–54

The hepatointestinal extraction of radiolabelled zinc and altered plasma concentration time curve to oral zinc in chronic liver disease: a mechanism for hyperzincuria in alcoholic cirrhosis. Keeling PW, et al. **Prog Clin Biol Res** 1983;129:125–38

Bile flow, bile salt secretion and the excretion of iron, copper, zinc and manganese in the bile of calves infected with Fasciola hepatica. Symonds HW, et al. **Res Vet Sci** 1983 Jul;35(1):69–74

Urinary zinc excretion, diuretics, zinc deficiency and some side-effects of diuretics. Reyes AJ, et al. **S Afr Med J** 1983 Dec 3;64(24):936–41 (39 ref.)

Zinc absorption in patients with compensated alcoholic cirrhosis. Milman N, et al. **Scand J Gastroenterol** 1983 Oct; 18(7):871–5

Cadmium, copper and zinc-binding protein (metallothionein) in the liver of the water lizard Triturus pyrrhogaster. Suzuki KT, et al. **Toxicol Lett** 1984 May;21(2):179–84

Cellular zinc accumulation in anencephaly and spina bifida. Zimmerman AW, et al. **Z Kinderchir** 1983 Dec;38 Suppl 2:65–7

[Heavy metals in the mammalian body with special reference to zinc and its methods of detection] Zech W, et al. **Anat Anz** 1984;155(1–5):365–88 (Eng. Abstr.) **(Ger)**

[Permeation of triamcinolone acetonide and zinc oxide from a shake lotion] Stüttgen G, et al. **Z Hautkr** 1983 Aug 1; 58(15):1095–112 (Eng. Abstr.) **(Ger)**

[Dependence of various parameters of zinc metabolism on the initial status of zinc. 2. Apparent absorption, urinary excretion and retention of zinc] Lantzsch HJ, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1984 Feb; 51(1-2):98-106 (Eng. Abstr.) **(Ger)**

[Blood and urinary zinc in psoriasis] Aste N, et al. **G Ital Dermatol Venereol** 1982 May-Jun;117(3):141-3 (Eng. Abstr.) **(Ita)**

[Blood zinc and urine zinc in psoriasis (letter)] Minoia C, et al. **G Ital Dermatol Venereol** 1983 Jan-Feb;118(1):55-6 **(Ita)**

[Estrogen and zinc levels in the tissues of uterine myoma] Jendryczko A, et al. **Ginekol Pol** 1983 Jun;54(6):373-6 (Eng. Abstr.) **(Pol)**

[Changes in copper and zinc levels in the serum, erythrocytes and urine of patients with retinitis pigmentosa] Kubalska J, et al. **Pediatr Pol** 1984 Mar;59(3):209-16 (Eng. Abstr.) **(Pol)**

[Kallikrein-kinin system of blood and microelement metabolism in patients with chronic ischemic heart disease during complex treatment including orcomin] Vygovskil VP, et al. **Vrach Delo** 1984 Jun;(6):33-5 (Eng. Abstr.) **(Rus)**

[Changes in zinc metabolism during long-term D-penicillamine treatment of patients with Wilson-Konovalov disease] Mzhel'skaia TI, et al. **Zh Nevropatol Psikhiatr** 1984;84(3):356-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Enhancement of 5-hydroxytryptamine uptake in rabbit hypothalamic synaptosomes but not in blood platelets by zinc and lead ex vivo. Komulainen H. **Acta Pharmacol Toxicol (Copenh)** 1983 Aug;53(2):166-74

Zinc and lead interactions on alkaline phosphatase activity (E.C. 3.1.3.1.) in rats. Wielgus-Serafińska E, et al. **Acta Physiol Pol** 1982 Sep-Dec;33(5-6):425-39

Regulation of human lymphoblast ecto-5'-nucleotidase by zinc. Pilz RB, et al. **Adv Exp Med Biol** 1984;165 Pt B:147-52

Effects of Zn2+ on glucose-induced electrical activity and insulin release from mouse pancreatic islets. Ferrer R, et al. **Am J Physiol** 1984 May;246(5 Pt 1):C520-7

Effects of cadmium and zinc on calcium uptake in human red blood cells. Plishker GA. **Am J Physiol** 1984 Sep;247(3 Pt 1):C143-9

Micromorphology of zinc fluoride-induced reaction products on ground human enamel. Barbakow F, et al. **ASDC J Dent Child** 1984 Jan-Feb;51(1):24-8

Inhibition of photosynthetic oxygen evolution in non-vesicular preparations releases Mn2+ into a restricted aqueous compartment. Miller M, et al. **Biochem Biophys Res Commun** 1984 Feb 29;119(1):168-72

Inhibition of glycogen synthesis in rat hepatocytes by medium Zn2+. Rognstad R. **Biochem Biophys Res Commun** 1984 Jul 31;122(2):726-33

T7 DNA polymerase is not a zinc-metalloenzyme and the polymerase and exonuclease activities are inhibited by zinc ions. Slaby I, et al. **Biochem Biophys Res Commun** 1984 Aug 16;122(3):1410-7

Effect of zinc ions on farnesyl pyrophosphate synthetase activity. Sagami H, et al. **Biochem Int** 1984 May;8(5):661-7

A comparison of isometallothionein synthesis in rat liver after partial hepatectomy and parenteral zinc injection. Cain K, et al. **Biochem J** 1984 Jan 1;217(1):85-92

Augmentation of dexamethasone induction of rat liver metallothionein by zinc. Quinones SR, et al. **Biochem J** 1984 May 1;219(3):959-63

Zinc effects on glutathione metabolism relationship to zinc-induced protection from alkylating agents. Seagrave J, et al. **Biochem Pharmacol** 1983 Oct 15;32(20):3017-21

Metal ion interactions with Limulus polyphemus and Callinectes sapidus hemocyanins: stoichiometry and structural and functional consequences of calcium(II), cadmium(II), zinc(II), and mercury(II) binding. Brouwer M, et al. **Biochemistry** 1983 Sep 27;22(20):4713-23

Zinc potentiation of androgen receptor binding to nuclei in vitro. Colvard DS, et al. **Biochemistry** 1984 Jul 17; 23(15):3471-8

Phenylalanyl-tRNA synthetase of Escherichia coli K10. Effects of zinc(II) on partial reactions of diadenosine 5',5"-P1,P4-tetraphosphate synthesis, conformation, and protein aggregation. Goerlich O, et al. **Biochemistry** 1984 Jan 17;23(2):182-90

Characterization of a homogeneous complex of arginyl- and lysyl-tRNA synthetase: zinc and adenosine 5'-phosphate dependent synthesis of diadenosine 5',5"'-P1,P4-tetraphosphate. Hilderman RH. **Biochemistry** 1983 Sep 13;22(19):4353-7

Histone formation, gene expression, and zinc deficiency in Euglena gracilis. Mazus B, et al. **Biochemistry** 1984 Jan 3;23(1):42-7

Zinc acutely, selectively and reversibly inhibits pituitary prolactin secretion. Judd AM, et al. **Brain Res** 1984 Feb 27;294(1):190-2

Influence of essential elements on manganese intoxication. Khandelwal S, et al. **Bull Environ Contam Toxicol** 1984 Jan;32(1):10-9

Effects of dietary zinc on melanoma growth and experimental metastasis. Murray MJ, et al. **Cancer Lett** 1983 Dec; 21(2):183-94

Structural and functional analysis of the human metallothionein-IA gene: differential induction by metal ions and glucocorticoids. Richards RI, et al. **Cell** 1984 May; 37(1):263-72

Porphobilinogen synthase (delta-aminolevulinic acid dehydratase) activity in human erythrocytes: reactivation by zinc and dithiothreitol depending on influence of storage. Geisse S, et al. **Clin Chim Acta** 1983 Dec 15; 135(2):239-45

Modulation of murine lymphocyte and macrophage proliferation by parenteral zinc. Murray MJ, et al. **Clin Exp Immunol** 1983 Sep;53(3):744-9

Hepatic metallothionein production and resistance to heavy metals by rainbow trout (Salmo gairdneri)--I. Exposed to an artificial mixture of zinc, copper and cadmium. Roch M, et al. **Comp Biochem Physiol [C]** 1984;77(1):71-5

Increase of 5-hydroxytryptamine uptake in rabbit hypothalamic synaptosomes but not in blood platelets ex vivo by lead and zinc. Komulainen H, et al. **Dev Toxicol Environ Sci** 1983;11:513-6

Effects of cadmium and zinc on tissue levels of metallothionein. Onosaka S, et al. **Environ Health Perspect** 1984 Mar;54:67-72

Activation of the binding of C1q to immune complexes by zinc. Easterbrook-Smith SB. **FEBS Lett** 1983 Oct 3; 162(1):117-9

Decrease in liver collagen accumulation in carbon tetrachloride-injured and normal growing rats upon administration of zinc. Anttinen H, et al. **Gastroenterology** 1984 Mar;86(3):532-9

Modulation by zinc of the in vitro antibody response to T-dependent and T-independent antigens. Malavé I, et al. **Immunol Commun** 1983;12(4):397-406

Effect of zinc and phosphate on an antibacterial peptide isolated from lung lavage. LaForce FM, et al. **Infect Immun** 1984 Sep;45(3):692-6

The effect of zinc on [59Fe]lactoferrin binding to blood neutrophilic leucocytes and colostral cells. Maneva AI, et al. **Int J Biochem** 1984;16(7):793-7

Kinetic studies of human liver ferrochelatase. Role of endogenous metals. Camadro JM, et al. **J Biol Chem** 1984 May 10;259(9):5678-82

The calmodulin-dependent activation and deactivation of the phosphoprotein phosphatase, calcineurin, and the effect of nucleotides, pyrophosphate, and divalent metal ions. Identification of calcineurin as a Zn and Fe metalloenzyme. King MM, et al. **J Biol Chem** 1984 Jul 25;259(14):8847-56

Conformational changes induced by zinc and terbium binding to native bovine alpha-lactalbumin and calcium-free alpha-lactalbumin. Kronman MJ, et al. **J Biol Chem** 1984 Sep 10;259(17):10887-95

Trace metals and otolith defects in mocha mice. Rolfsen RM, et al. **J Hered** 1984 May-Jun;75(3):159-62

Supplemental zinc restores antibody formation in cultures of aged spleen cells. Winchurch RA, et al. **J Immunol** 1984 Aug;133(2):569-71

Possible treadmilling in zinc(II)-induced sheet polymers of bovine brain microtubule protein. Lee VD, et al. **J Mol Biol** 1983 Dec 25;171(4):457-77

Protective effect of taurine and zinc on peroxidation-induced damage in photoreceptor outer segments. Pasantes-Morales H, et al. **J Neurosci Res** 1984;11(3):303-11

Postabsorptive effect of increased dietary zinc on toxicity and removal of tissue lead in rats. Cerklewski FL. **J Nutr** 1984 Mar;114(3):550-4

Zinc-copper interactions in the pregnant rat: fetal outcome and maternal and fetal zinc, copper and iron. Reinstein NH, et al. **J Nutr** 1984 Jul;114(7):1266-79

Inhibition of plaque growth by zinc salts. Harrap GJ, et al. **J Periodont Res** 1983 Nov;18(6):634-42

The effect of zinc on the 5 alpha-reduction of testosterone by the hyperplastic human prostate gland. Leake A, et al. **J Steroid Biochem** 1984 Feb;20(2):651-5

Testosterone metabolism by homogenates of human prostates with benign hyperplasia: effects of zinc, cadmium and other bivalent cations. Sinquin G, et al. **J Steroid Biochem** 1984 Mar;20(3):773-80

Zinc ingestion and lipoprotein values in sedentary and endurance-trained men. Crouse SF, et al. **JAMA** 1984 Aug 10;252(6):785-7

Conformational changes in the chromatin of the brain of developing rats and its modulation by zinc chloride. Supakar PC, et al. **Mol Biol Rep** 1984 Jan;9(4):253-7

Interaction of Zn2+ with guinea-pig C5 convertase and guinea-pig C5. Evans BD, et al. **Mol Immunol** 1984 Jan; 21(1):69-76

Pre- and postsynaptic effects of zinc on in vitro prepyriform neurones. Smart TG, et al. **Neurosci Lett** 1983 Sep 30; 40(2):205-11

Effect of zinc ion on human chorionic gonadotropin-stimulated in vitro production of cyclic AMP and testosterone by rat testis. Nishi Y, et al. **Pediatr Res** 1984 Mar;18(3):232-5

Induction of mouse metallothionein-I mRNA by bacterial endotoxin is independent of metals and glucocorticoid hormones. Durnam DM, et al. **Proc Natl Acad Sci USA** 1984 Feb;81(4):1053-6

The mutual inhibitory effects on their bioavailability of inorganic zinc and iron. Aggett PJ, et al. **Prog Clin Biol Res** 1983;129:117-24

Effect of oral doses of zinc oxide on the secretion of pancreatic juice and bile in sheep. Smith BL, et al. **Res Vet Sci** 1984 Jul;37(1):58-62

Effect of IRM on human dental pulp. Möller B, et al. **Scand J Dent Res** 1983 Aug;91(4):281-7

In vitro modulation of murine natural killer cytotoxicity by zinc. Ferry F, et al. **Scand J Immunol** 1984 May; 19(5):435-45

The in vitro effects of zinc and manganese on delta-aminolevulinic acid dehydratase activity inhibited by lead or tin. Chiba M, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):388-94

Effect of zinc pretreatment on mercuric chloride-induced lipid peroxidation in the rat kidney. Fukino H, et al. **Toxicol Appl Pharmacol** 1984 May;73(3):395-401

Zinc-induced tolerance to cadmium hepatotoxicity. Goering PL, et al. **Toxicol Appl Pharmacol** 1984 Jul;74(3):299-307

Cadmium-induced suppression of the primary immune response and acute toxicity in mice: differential interaction of zinc. Shippee RL, et al. **Toxicol Appl Pharmacol** 1983 Nov;71(2):303-6

In vitro cadmium-DNA interactions: cooperativity of cadmium binding and competitive antagonism by calcium, magnesium, and zinc. Waalkes MP, et al. **Toxicol Appl Pharmacol** 1984 Sep 30;75(3):539-46

The effect of cadmium, zinc or copper loading on the metabolism of amino acids in mouse liver. Kawata M, et al. **Toxicol Lett** 1984 Feb;20(2):149-54

The effect of cadmium on the collagen solubility of embryonic chick bone in tissue culture. Miyahara T, et al. **Toxicol Lett** 1984 Jul;22(1):89-92

Effect of zinc on lead-induced changes in brain lysosomal enzymes in the chick embryo. Srivastava L, et al. **Toxicol Lett** 1984 Jan;20(1):111-4

Breed differences in sheep with respect to the interaction between zinc and the accumulation of copper in the liver. van der Schee W, et al. **Vet Q** 1983 Oct;5(4):171-4

[Decrease of the effect of theophylline by the rectal route in an asthmatic patient after previous administration of a suppository of Titanoreine (letter)] Ganansia R, et al. **Therapie** 1984 Jan-Feb;39(1):50-2 **(Fre)**

[In vitro studies of the effect of zinc oxide and titanium dioxide on dermatophytes] Paetzold OH. **Mykosen** 1984 Jun;27(6):284-9 (Eng. Abstr.) **(Ger)**

[Effects of cadmium, zinc, lead and mercury on the growth and accumulating ability of Saccharomyces cerevisiae, Saccharomycopsis lipolytica, Candida tropicalis, and Candida utilis] Grafl HJ, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1983 Jan; 177(1-2):57-74 (Eng. Abstr.) **(Ger)**

[Does a zinc-rich diet have an immunostimulating effect?] Scolozzi R, et al. **Minerva Dietol Gastroenterol** 1984 Jan-Mar;30(1):55-60 (Eng. Abstr.) **(Ita)**

[Stimulation of DNA and protein synthesis by a highly dispersed zinc powder] Faikullina LD, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jan-Feb;(1):130-3 (Eng. Abstr.) **(Rus)**

[Chemical composition and morphological changes in the cells in a chemostat Candida utilis culture inhibited by zinc ions] Andreeva EA, et al. **Mikrobiologiia** 1983 Nov-Dec; 52(6):924-8 (Eng. Abstr.) **(Rus)**

[Effect of local use of carbostimulin on the activity of energy metabolism enzymes in mandibular alveolar process tissue in the rat] Kriukova GN, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):92-4 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on indices of acid-base balance and lactate concentration in the blood of swimmer-athletes] Verbitskil ON, et al. **Ukr Biokhim Zh** 1984 Jan-Feb; 56(1):94-6 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on the concentration of tricarboxylic cycle metabolites, oxidative processes and antibody biosynthesis in the rat] Zhuravskil NI, et al. **Ukr Biokhim Zh** 1984 Jan-Feb;56(1):88-91 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on reparative osteogenesis in rabbits of different ages] Gulyi MF, et al. **Vopr Med Khim** 1984 Jan-Feb;30(1):42-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiological ligands for copper and zinc. DiSilvestro RA, et al. **Annu Rev Nutr** 1983;3:261-88 (212 ref.)

Nutrition and immunity: the influence of diet on autoimmunity and the role of zinc in the immune response. Hansen MA, et al. **Annu Rev Nutr** 1982;2:151-77 (248 ref.)

Resistance and susceptibility to infection in inbred murine strains. IV. Effects of dietary zinc. Salvin SB, et al. **Cell Immunol** 1984 Sep;87(2):546-52

The role of zinc in gastrointestinal and liver disease. Prasad AS. **Clin Gastroenterol** 1983 Sep;12(3):713-41

Partial purification and zinc dependence of human red cell pyrimidine-5'-nucleotidase. Markin RS, et al. **Enzyme** 1983;30(2):134-8

Assessment of zinc status in rats. Dangi P, et al. **Indian J Exp Biol** 1983 Dec;21(12):680-3

Zinc as activating cation for muscle glycolysis. Tamaki N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1983 Dec;29(6):655-62

Iron, zinc, and other trace elements' effect on the immune response. Ronnlund RD, et al. **J Pediatr Gastroenterol Nutr** 1983;2 Suppl 1(Suppl 1):S172-80

Zinc may have a physiological role in regulating pituitary prolactin secretion. Login IS, et al. **Neuroendocrinology** 1983 Nov;37(5):317-20

Clinical, biochemical and nutritional spectrum of zinc deficiency in human subjects: an update. Prasad AS. **Nutr Rev** 1983 Jul;41(7):197-208 (75 ref.)

Role of zinc in testicular function of chronic renal failure [letter] Nishi Y, et al. **Pediatrics** 1984 May;73(5):740–1
Biological roles of ionic zinc. Brewer GJ, et al. **Prog Clin Biol Res** 1983;129:35–51 (35 ref.)
Zinc nutrition and human pregnancy. Jameson S. **Prog Clin Biol Res** 1983;129:53–69 (55 ref.)
Zinc: requirements, bioavailabilities, and recommended dietary allowances. Smith JC Jr, et al. **Prog Clin Biol Res** 1983;129:147–69
Zinc, angiotensin I-converting enzyme and hypertension. Lockett CJ, et al. **S Afr Med J** 1983 Dec 17;64(26):1022–4 (32 ref.)

POISONING

A case of suspected zinc toxicity in a dog. Hornfeldt CS, et al. **Vet Hum Toxicol** 1984 Jun;26(3):214
[Effect of subchronic lead acetate and zinc chloride poisoning on the thyroid gland of rabbits maintained on adequate iodine supply] Jonderko G, et al. **Endokrynol Pol** 1984; 35(1):35–44 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Influence of zinc, D-penicillamine and oxygen on poisoning with Amanita phalloides. Zinc accelerates liver regeneration and prevents the depletion of brain noradrenaline caused by the mushroom. Floersheim GL, et al. **Agents Actions** 1984 Jan;14(1):124–30
Zinc supplementation during pregnancy: effects on selected blood constituents and on progress and outcome of pregnancy in low-income women of Mexican descent. Hunt IF, et al. **Am J Clin Nutr** 1984 Sep;40(3):508–21
The effects of diet and zinc treatment on the fatty acid composition of serum lipids and adipose tissue and on serum lipoproteins in two adolescent patients with acrodermatitis enteropathica. Walldius G, et al. **Am J Clin Nutr** 1983 Oct; 38(4):512–22
Increased food intake of young children receiving a zinc supplement. Krebs NF, et al. **Am J Dis Child** 1984 Mar; 138(3):270–3
Zinc treatment of Wilson's disease [letter] Brewer GJ, et al. **Ann Intern Med** 1984 Jul;101(1):144–5
Zinc supplementation and growth in sickle cell disease. Prasad AS, et al. **Ann Intern Med** 1984 Mar;100(3):367–71
Zinc and anorexia nervosa [letter] Safai-Kutti S, et al. **Ann Intern Med** 1984 Feb;100(2):317–8
Effect of zinc supplementation on S. mansoni-infected hamsters. Mansour MM, et al. **Ann Trop Med Parasitol** 1983 Oct;77(5):517–21
Effective treatment of Wilson's disease with oral zinc sulphate: two case reports. Hoogenraad TU, et al. **Br Med J [Clin Res]** 1984 Aug 4;289(6440):273–6
Treatment of Wilson's disease with zinc sulphate [letter] Walshe JM. **Br Med J [Clin Res]** 1984 Sep 1; 289(6444):558–9
Zinc supplementation in ethanol-treated pregnant rats increases the metabolic activity in the fetal hippocampus. Tanaka H, et al. **Brain Dev** 1983;5(6):549–54
Zinc and chromium in parenteral nutrition. Jeejeebhoy KN. **Bull NY Acad Med** 1984 Mar;60(2):118–24 (38 ref.)
Sexual dysfunction in uremic male: improvement following oral zinc supplementation. Mahajan SK, et al. **Contrib Nephrol** 1984;38:103–11
Zinc substitution for male dialysis patients: positive effect on preexisting hypogonadism? Schäfer M, et al. **Contrib Nephrol** 1984;38:116–8
Zinc and sexual dysfunction. Sprenger KB, et al. **Contrib Nephrol** 1984;38:119–28
Reduced cadmium body burden in cadmium-exposed calves fed supplemental zinc. Lamphere DN, et al. **Environ Res** 1984 Feb;33(1):119–29
Serum copper & zinc in leprosy & effect of oral zinc therapy. Venkatesan K, et al. **Indian J Med Res** 1983 Jul;78:37–41
Oral zinc in the trophic ulcers of leprosy [letter] Mathur NK, et al. **Int J Lepr** 1983 Sep;51(3):410–1
Effect of different levels of dietary zinc on longevity of BALB/c mice inoculated with plasmacytoma MOPC 104E. Song MK, et al. **JNCI** 1984 Mar;72(3):647–52
Case of anorexia nervosa responding to zinc sulphate [letter] Bryce-Smith D, et al. **Lancet** 1984 Aug 11;2(8398):350
Oral zinc in recurrent Erythema Nodosum Leprosum reaction. Mathur NK, et al. **Lepr India** 1983 Jul; 55(3):547–52
Post-partum alopecia and zinc [letter] Carruthers R. **Med J Aust** 1983 Sep 17;2(6):259
Acrodermatitis enteropathica: (a case report). Hira SK, et al. **Med J Zambia** 1983 Apr;17(2):61–3
EDTA plus zinc as therapy of lead intoxication: preliminary results. Boscolo P, et al. **Med Lav** 1983 Sep–Oct;74(5):370–5
Oral zinc therapy for Wilson's disease. **Nutr Rev** 1984 May; 42(5):184–6 (14 ref.)
New developments in medical therapy of obesity: thyroid and zinc. Collipp PJ. **Pediatr Ann** 1984 Jun;13(6):465–72
Fetal alcohol syndrome: failure of zinc supplementation to reverse the effect of ethanol on placental transport of zinc. Ghishan FK, et al. **Pediatr Res** 1983 Jul;17(7):529–31
Zinc treatment in homozygous beta-thalassemia (a preliminary study). Arcasoy A, et al. **Prog Clin Biol Res** 1983;129:107–16
The controversy over zinc sulphate efficacy in rheumatoid and psoriatic arthritis [letter] Cimmino MA, et al. **Scand J Rheumatol** 1984;13(2):191–2
Principia of cancer therapy. II. Treatment of undermining ulcers complicating radiotherapy of malignancy: role of correction of hypozincemia. Okuyama S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1983 Dec;30(1–4):1–4
Synergistic antiplaque effects of a zinc fluoride/hexetidine containing mouthwash. A review. Saxer UP, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1983 Aug; 93(8):689–704 (101 ref.)
[Treatment of nonviable immature permanent teeth with a zinc oxide eugenol iodoform paste] Li XQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1983 Sep;18(3):154–5 **(Chi)**
[Results and applicability of nonspecific dry therapy in varicose ulcer with special reference to the incidence of erysipelas] Lohfink HD. **Dermatol Monatsschr** 1984; 170(7):469–74 (Eng. Abstr.) **(Ger)**
[Zinc therapy of alopecia areata] Sönnichsen N, et al. **Dermatol Monatsschr** 1984;170(7):437–42 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxic effects of high concentrations of zinc oxide in the diet of the chick and laying hen. Dewar WA, et al. **Br Poult Sci** 1983 Jul;24(3):397–404
Zn, Cu, and Mn levels in the liver of the dogfish exposed to Zn. Sanpera C, et al. **Bull Environ Contam Toxicol** 1983 Oct;31(4):415–7
Dogfish liver and kidney tissue respiration after zinc treatment. Tort L, et al. **Comp Biochem Physiol [C]** 1984; 77(2):381–4
The influence of chemical form of zinc on the effects of toxic intraruminal doses of zinc to sheep. Smith BL, et al. **J Appl Toxicol** 1984 Apr;4(2):92–6
Effects of excessive dietary zinc on the intrauterine and postnatal development of mink. Bleavins MR, et al. **J Nutr** 1983 Nov;113(11):2360–7
Genotoxicity studies with a blend of zinc dialkyldithiophosphate lubricant additives. Brooks TM, et al. **Mutat Res** 1983 Nov;124(2):129–43
Effect of zinc, cadmium or copper on mercury distribution in rat tissues. Komsta-Szumska E, et al. **Toxicol Lett** 1983 Jul;17(3–4):349–54
Pathological changes produced by exposure of rabbits and rats to smokes from mixtures of hexachloroethane and zinc oxide. Marrs TC, et al. **Toxicol Lett** 1983 Dec;19(3):247–52
Decrease in insulin secretion related to hypocalcemia induced by a high dose of zinc in rats. Yamaguchi M, et al. **Toxicol Lett** 1984 Aug;22(2):175–80
Atropine inhibits bone resorption induced by high dose of zinc in rats. Yamaguchi M. **Toxicol Lett** 1983 Jul; 17(3–4):259–61
[Effect of orally administered zinc on the inducibility of experimental brain tumors in the rat] Rath FW, et al. **Arch Geschwulstforsch** 1984;54(3):201–7 (Eng. Abstr.) **(Ger)**
[Degree of exposure to arsenic compounds of workers in zinc smelteries] Braszczyńska Z, et al. **Med Pr** 1983; 34(5–6):413–7 (Eng. Abstr.) **(Pol)**
[Data on the hygienic establishment of the maximum permissible concentration of manganese-zinc ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Jun; (6):13–5 (Eng. Abstr.) **(Rus)**
[Establishment of the maximum permissible concentration of nickel-zinc ferrite in the atmosphere] Ermachenko TP, et al. **Gig Sanit** 1983 Nov;(11):12–4 (Eng. Abstr.) **(Rus)**
[Embryotoxic action of manganese-zinc ferrite in an experiment] Govorunova NN, et al. **Gig Sanit** 1984 May; (5):85–6 **(Rus)**
[Embryotoxic action of nickel-zinc ferrite in body uptake by inhalation] Govorunova NN, et al. **Gig Sanit** 1984 May; (5):79–80 **(Rus)**

URINE

Urinary excretion of xanthurenic acid and zinc in diabetes: 1) Separation of xanthurenic acid-Zn2+ complex by ion-exchange chromatography. Ikeda S, et al. **Acta Vitaminol Enzymol** 1984;6(1):23–8
Copper and zinc levels in serum and urine of cadmium-exposed people with special reference to renal tubular damage. Nogawa K, et al. **Environ Res** 1984 Feb; 33(1):29–38
Urinary excretion of zinc, copper and iron in the streptozotocin-diabetic rat. Lau AL, et al. **J Nutr** 1984 Jan;114(1):224–33
An outbreak of metal fume fever. Diagnostic use of urinary copper and zinc determinations. Armstrong CW, et al. **J Occup Med** 1983 Dec;25(12):886–8
Zinc in post prostatic massage (VB3) urine samples: a marker of prostatic secretory function and indicator of bacterial infection. Kavanagh JP, et al. **Urol Res** 1983;11(4):167–70

ZINC OXIDE see under **ZINC**

ZINC OXIDE-EUGENOL CEMENT

An analysis of the release and the diffusion through dentin of eugenol from zinc oxide-eugenol mixtures. Hume WR. **J Dent Res** 1984 Jun;63(6):881–4

METABOLISM

[Estimation of free eugenol in the pulp after treating deep caries with a ZnO + eugenol paste] Mitic N, et al. **Rev Odontostomatol (Paris)** 1983 Nov–Dec;12(6):452–60 **(Fre)**

PHARMACODYNAMICS

Pulpal responses evaluated by two assessment systems. Use of Nobetec as negative and Super-Syntrex as positive control materials. Cleaton-Jones P, et al. **Oral Surg** 1983 Sep;56(3):310–6
Apical closure. Report of two cases. Friedman S. **Oral Surg** 1984 Jul;58(1):94–7
A histologic comparison of Hydron and zinc oxide-eugenol as endodontic filling materials in the primary teeth of dogs. Woods RL, et al. **Oral Surg** 1984 Jul;58(1):82–93
[Response of exposed pulp to capping agents in germ-free rat molars] Aoki T. **Kokubyo Gakkai Zasshi** 1983 Dec; 50(4):636–50 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Evaluation of dental materials using a new cell culture technic] Omai Y. **Kokubyo Gakkai Zasshi** 1983 Dec; 50(4):654 **(Jpn)**

ZINC PHOSPHATE CEMENT

Physical properties of some zinc phosphate and polycarboxylate cements. Branco R, et al. **Acta Odontol Scand** 1983 Dec;41(6):349–53
Comparison between a zinc phosphate cement and a glass ionomer cement for cementation of orthodontic bands. Kvam E, et al. **Eur J Orthod** 1983 Nov;5(4):307–13
Quantitative cement solubility experiments in vivo. Pluim LJ, et al. **J Oral Rehabil** 1984 Mar;11(2):171–9
The effect of a microbicidal cleaner on the retentive strength of two cements. Richter WA, et al. **J Prosthet Dent** 1984 Jan;51(1):46–8
Surface adhesion and retentive force of cements. Tsuburaya T, et al. **J Prosthet Dent** 1984 Jul;52(1):57–60
[Are zinc phosphate cements obsolete?] Bogopolsky S. **Rev Odontostomatol (Paris)** 1984 Mar–Apr;13(2):99–102 **(Fre)**

ANALYSIS

Surface analysis of cements after having been immersed in water—surface state and elementary analysis of zinc phosphate cement and carboxylate cement. Kikuchi H, et al. **J Nihon Univ Sch Dent** 1983 Dec;25(4):277–83

ZINC RADIOISOTOPES

ANALYSIS

Effect of amino acid on the adsorption behavior of radiozinc in seawater. Ishiyama T, et al. **Radioisotopes** 1984 Mar; 33(3):125–9

DIAGNOSTIC USE

A kinetic study of the in vivo incorporation of 65ZN into the rat hippocampus. Sato SM, et al. **J Neurosci** 1984 Jun; 4(6):1671–5

ZINEB see under **THIOCARBAMATES**

ZIRAM see under **THIOCARBAMATES**

ZIRCONIUM

Removal of excess inorganic phosphate by haemoperfusion with composite beads. Sideman S, et al. **Life Support Syst** 1983 Apr–Jun;1(2):113–25

PHARMACODYNAMICS

The effect of polyvalent metal ion mordanting on caries-like lesion progression in enamel. Clarkson BH, et al. **J Dent Res** 1984 Jan;63(1):13–8

TOXICITY

[Toxicity and pharmacokinetics of zirconium oxychloride in mice and rats] Delongeas JL, et al. **J Pharmacol** 1983 Oct–Dec;14(4):437–47 (Eng. Abstr.) **(Fre)**

ZOLAZEPAM see under **AZEPINES**

ZOLIMIDINE see under **PYRIDINES**

ZOLLINGER-ELLISON SYNDROME

see related
NEOPLASMS, MULTIPLE ENDOCRINE

[Zollinger-Ellison syndrome] Becker HD. **Wien Klin Wochenschr** 1984 Feb 17;96(4):138–44 (28 ref.) (Eng. Abstr.) **(Ger)**
[Anesthetic management of patients with nonbeta islet cell tumors of the pancreas.—WDHA syndrome and Zollinger-Ellison syndrome] Imai M, et al. **Masui** 1983 May;32(5):605–10 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Amino terminal fragments of human progastrin from gastrinoma. Reeve JR Jr, et al.

Biochem Biophys Res Commun 1984 Aug 30;123(1):404–9

[Zollinger–Ellison syndrome, with special reference to the heterogeneity of gastrin in serum and gastrinoma] Dan A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1983 Jul; 80(7):1480–4 **(Jpn)**

BLOOD

The society of Surgical Oncology Lucy Wortham James Research Award 1983. Radioimmunoassay in oncology. Yalow RS. **Cancer** 1984 Mar 15;53(6):1426–31

Abnormal pancreatic polypeptide release by secretin infusion in Zollinger–Ellison syndrome. Rigaud D, et al. **Dig Dis Sci** 1984 Aug;29(8):696–702

Zollinger Ellison syndrome: a case report. Kaur U, et al. **J Assoc Physicians India** 1983 Aug;31(8):546–9

Sulfation of gastrin in Zollinger–Ellison sera: evidence for association between sulfation and proteolytic processing. Andersen BN, et al. **Regul Pept** 1983 Jul;6(3):231–9

[Zollinger–Ellison syndrome: a study of four cases with special reference to gut hormones] Imamura M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 May;81(5):1181–90 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Zollinger–Ellison syndrome with esophagitis and Barrett mucosa. Karl TR, et al. **Am J Gastroenterol** 1983 Oct; 78(10):611–4

DIAGNOSIS

Endoscopic diagnosis and removal of a duodenal wall gastrinoma. Gilhool WJ. **Am J Gastroenterol** 1984 Sep; 79(9):679–83

Secretin-induced gastrin response in the Zollinger–Ellison syndrome and chronic duodenal ulcer patients before and after cimetidine treatment. Quatrini M, et al. **Am J Gastroenterol** 1984 May;79(5):345–7

Zollinger–Ellison syndrome—report of four cases and review of literature. Yap IL, et al. **Ann Acad Med Singapore** 1983 Oct;12(4):577–83 (20 ref.)

Boots secretin and the Zollinger–Ellison syndrome [letter] Primrose JN, et al. **J Clin Gastroenterol** 1984 Apr;6(2):187

The diagnosis and management of gastrinoma. Modlin IM, et al. **Surg Gynecol Obstet** 1984 Jan;158(1):97–104 (65 ref.)

[Diagnosis of pancreatic and gastrointestinal hormone-secreting tumors] Yamaguchi K, et al. **Nippon Rinsho** 1983 Jun;41(6):1231–7 **(Jpn)**

[Case of type I polyglandular syndrome associated with prolactinoma] Krassowski J, et al. **Pol Tyg Lek** 1983 May 2;38(18):565–7 **(Pol)**

[Current views on the diagnosis of Zollinger–Ellison syndrome] Krassowski J. **Pol Tyg Lek** 1983 May 16–23; 38(20–21):657–60 (38 ref.) **(Pol)**

DRUG THERAPY

Comparison of ranitidine and cimetidine in the treatment of gastric hypersecretion. Collen MJ, et al. **Ann Intern Med** 1984 Jan;100(1):52–8

Cimetidine versus ranitidine for refractory Zollinger–Ellison syndrome [letter] de Gara CJ, et al. **Can Med Assoc J** 1984 Mar 1;130(5):550, 554

Basis for failure of cimetidine in patients with Zollinger–Ellison syndrome. Jensen RT. **Dig Dis Sci** 1984 Apr;29(4):363–6

Cimetidine treatment for Zollinger–Ellison syndrome. A case report. Santhi Swaroop V, et al. **Indian J Gastroenterol** 1984 Apr;3(2):101–2

Zollinger–Ellison syndrome, prolonged cimetidine administration and nasopharyngeal carcinoma:—a coincidence? Eshchar J, et al. **Int J Tissue React** 1983; 5(4):411–4

Medical treatment of Zollinger–Ellison syndrome with ranitidine. Vezzadini P, et al. **Int J Tissue React** 1983; 5(4):339–43

Omeprazole in Zollinger–Ellison syndrome. Effects of a single dose and of long-term treatment in patients resistant to histamine H2-receptor antagonists. Lambers CB, et al. **N Engl J Med** 1984 Mar 22;310(12):758–61

[24-hour intragastric acid profile in a ZES patient with H2 blockers] Dammann HG, et al. **Z Gastroenterol** 1984 Jun; 22(6):318–20 **(Ger)**

[Ranitidine and cimetidine in Zollinger–Ellison syndrome (letter)] Ribera E, et al. **Med Clin (Barc)** 1983 Dec 17; 81(20):924–5 **(Spa)**

ETIOLOGY

Concurrent Cushing's and Zollinger–Ellison syndromes in a patient with islet cell carcinoma. Case report and review of the literature. Lyons DF, et al. **Am J Med** 1984 Apr; 76(4):729–33 (18 ref.)

Gastrointestinal hormones in the pathogenesis of peptic ulcer disease. Taylor IL. **Clin Gastroenterol** 1984 May; 13(2):355–82 (90 ref.)

METABOLISM

Failure of cimetidine in Zollinger–Ellison syndrome. Ziemniak JA, et al. **Dig Dis Sci** 1983 Nov;28(11):976–80

The effect of cimetidine on pepsin secretion in patients with Zollinger Ellison syndrome. Gledhill T, et al. **J R Nav Med Serv** 1983 Winter;69(3):151–3

OCCURRENCE

The prevalence of gastrinomas in recurrent peptic ulceration. Primrose JN, et al. **Scott Med J** 1983 Oct;28(4):328–31

PATHOLOGY

Mixed type Zollinger–Ellison syndrome in a florid case of multiple endocrine neoplasia type I. A case report. Duggan M, et al. **Am J Clin Pathol** 1984 Oct;82(4):481–6

[Morphological changes in the pancreas in Zollinger–Ellison syndrome] Vasilev Kh, et al. **Khirurgiia (Sofiia)** 1983; 36(1):13–6 (Eng. Abstr.) **(Bul)**

[Usefulness of immunohistochemical methods in the routine diagnosis of neoplasms of the digestive system] Stachura J, et al. **Patol Pol** 1983 Apr–Jun;34(2):173–84 (Eng. Abstr.) **(Pol)**

[Combination of Zollinger–Ellison syndrome with diabetes mellitus] Khomeriki SG, et al. **Arkh Patol** 1984;46(4):78–81 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pathological acid secretion not due to gastrinoma. Walsh JH, et al. **Scand J Gastroenterol [Suppl]** 1983;82:45–58

[Description of a case of Zollinger–Ellison syndrome] de la Pierre M, et al. **Minerva Med** 1984 May 7;75(19):1153–8 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiographic response to cimetidine in patients with basal gastric acid hypersecretion. Smith HJ. **AJR** 1984 Jan; 142(1):115–8

SECRETION

Pepsin acid correlation in patients with Zollinger–Ellison syndrome. Kameyama J, et al. **Tohoku J Exp Med** 1984 May;143(1):93–8

[Increased gastrin secretion and peptic ulcer. G cell hyperplasia in the pyloric antrum and Zollinger–Ellison syndrome] Aoki T, et al. **Nippon Rinsho** 1984 Jan; 42(1):67–74 **(Jpn)**

SURGERY

Control of the Zollinger–Ellison syndrome by excision of primary and metastatic tumor. Landor JH. **Am J Surg** 1984 Mar;147(3):406–9

The gastrinoma triangle: operative implications. Stabile BE, et al. **Am J Surg** 1984 Jan;147(1):25–31

Recurrent ulcer after gastric surgery—prevention and management based on a local experience. Ti TK. **Ann Acad Med Singapore** 1983 Oct;12(4):564–9

Resection of gastrinomas. Deveney CW, et al. **Ann Surg** 1983 Oct;198(4):546–53

Conservative surgery in the Zollinger–Ellison syndrome. Mee AS, et al. **Br J Surg** 1984 Jun;71(6):423–4

[Hormonally active pancreatic tumors—diagnostic and surgical problems] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 1983; 36(2):195–9 **(Rus)**

THERAPY

Anti-ulcer drugs and hypergastrinism: utilization in surgery. Cavina E, et al. **Int J Tissue React** 1984;6(2):195–8

Diagnosis and management of the Zollinger–Ellison syndrome. Jensen RT, et al. **J Clin Gastroenterol** 1983;5 Suppl 1:123–31

[Treatment of Zollinger–Ellison syndrome. Strategy and oncologic approach] Bonfils S. **Gastroenterol Clin Biol** 1983 Aug–Sep;7(8–9):653–6 **(Fre)**

[Current trends in the treatment of Zollinger–Ellison syndrome] Krassowski J. **Pol Tyg Lek** 1983 Aug 1; 38(31):973–4 (52 ref.) **(Pol)**

ZONA see **HERPES ZOSTER**

ZONA PELLUCIDA see under **OVUM**

ZONOGRAPHY see **TOMOGRAPHY, X-RAY**

ZOOFLAGELLATA see **MASTIGOPHORA**

ZOOGLOEA

ENZYMOLOGY

Enzymatic depolymerization of emulsan. Shoham Y, et al. **J Bacteriol** 1983 Oct;156(1):161–7

ZOOLOGY

see related
ANIMALS

[The taxonomy of mammals in medieval Arabic sources] Eisenstein H. **Sudhoffs Arch** 1984;68(1):84–93 **(Ger)**

CLASSIFICATION

Aims and intentions of botanical and zoological classification in the Middle Ages and Renaissance. Hünemörder C. **Pubbl Stn Zool Napoli [II]** 1983;5(1):53–67

HISTORY

[Hippocrates, Plato and Aristotle and the concept of genus and species] Robert F. **Pubbl Stn Zool Napoli [II]** 1982; 4(2):173–201 **(Fre)**

ZOOMASTIGINA see under **MASTIGOPHORA**

ZOONOSES

Zoonoses in psittacine birds [letter] Panigrahy B, et al. **J Infect Dis** 1984 Jan;149(1):123–4

Cryptococcosis: an unusual avian source [letter] Glasziou D, et al. **Med J Aust** 1984 Mar 31;140(7):447

Pet–turtle–associated salmonellosis—Puerto Rico. **MMWR** 1984 Mar 16;33(10):141–2

More on leptospirosis [letter] Shaunak S, et al. **N Engl J Med** 1984 Jul 26;311(4):261–2

Zoonotic filariasis with lymphedema in an immunodeficient infant. Simmons CF Jr, et al. **N Engl J Med** 1984 May 10;310(19):1243–5

Indirect effects of soil and water on animal health. Horvath DJ, et al. **Sci Total Environ** 1984 Mar 1;34(1–2):143–56

Schistosoma incognitum and its zoonotic potential role in Phitsanulok and Phichit provinces, northern Thailand. Bunnag T, et al. **Southeast Asian J Trop Med Public Health** 1983 Jun; 14(2):163–70

Sheep and goat zoonoses. Robinson RA. **Vet Clin North Am [Large Anim Pract]** 1983 Nov;5(3):711–7 (14 ref.)

[Diagnosis of zoonoses using SpA-HRPO conjugates for enzyme-linked immunosorbent assay (ELISA)] Li AF. **Chun Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1983 Aug; 4(4):244–5 (Eng. Abstr.) **(Chi)**

[Epizootic swine influenza on animal farms in Brittany] Aymard M, et al. **Rev Epidemiol Sante Publique** 1983; 31(3):311–27 (Eng. Abstr.) **(Fre)**

[Skin fungi as pathogens of zoonoses] Böhm KH. **MMW** 1983 Nov 18;125(46):1061–3 **(Ger)**

DIAGNOSIS

Diagnostic features of zoonotic filariae in tissue sections. Gutierrez Y. **Hum Pathol** 1984 Jun;15(6):514–25

[Zoonoses of chlamydial and rickettsial origin] Fedorov EI, et al. **Vrach Delo** 1984 Apr;(4):111–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Lymphocytic choriomeningitis—Georgia. **MMWR** 1984 Jun 1;33(21):298–9

OCCURRENCE

Some zoonotic diseases prevalent in Malaysia. Tan DS. **Malays J Pathol** 1981 Aug;4:19–27

[Focus of zoonotic cutaneous leishmaniasis on prospective irrigation sites along the route of the Kara Kum Canal] Ponirovskiĭ EN, et al. **Med Parazitol (Mosk)** 1983 Jul–Aug; (4):51–5 (Eng. Abstr.) **(Rus)**

[Biogeography, medical geography and the theory of natural foci of human diseases] Voronov AG. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):28–33 **(Rus)**

[Zooanthroponotic infections on the animal-breeding farm complexes of the northwest region] Dafter AB, et al. **Tr Inst Pastera** 1983;60:39–50 (Eng. Abstr.) **(Rus)**

[Combined foci of zooanthroponoses in the territory of Pskov Province] Fedoseeva MF, et al. **Tr Inst Pastera** 1983; 60:123–6 **(Rus)**

[Zooanthroponotic infections in the Northwest (I. Leptospirosis, Q rickettsiosis, pseudotuberculosis and tularemia)] Tokarevich KN, et al. **Tr Inst Pastera** 1983; 60:4–14 (Eng. Abstr.) **(Rus)**

[Zooanthroponoses and anthroponoses in the comparative ecological and epidemiological light] Vershinskiĭ BV, et al. **Tr Inst Pastera** 1983;61:31–42 (Eng. Abstr.) **(Rus)**

[Epidemiological surveillance in zoonoses. II. Characteristics of the epidemiological survey of foci of zoonotic infections] Cherkasskiĭ BL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jan;(1):95–8 **(Rus)**

[Epizootic process of natural focus infections from the viewpoint of systems theory] Kozlov MP. **Zh Mikrobiol Epidemiol Immunobiol** 1983 Oct;(10):8–13 (27 ref.) **(Rus)**

[Zoonotic infections in persons working in plants producing meat and bone meal] Savchenko IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Mar;(3):71–3 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Breast nodule produced by Dirofilaria tenuis. Gutierrez Y, et al. **Am J Surg Pathol** 1984 Jun;8(6):463–5

Isolation of human serum resistant Trypanozoon from cattle in Nigeria. Joshua RA, et al. **Tropenmed Parasitol** 1983 Sep;34(3):201–2

[Cryptosporidiasis—a new zoonosis] Prokopič J. **Med Parazitol (Mosk)** 1983 Sep–Oct;(5):50–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Planning of national zoonosis control programs in developing countries. Fernandes MV, et al. **Int J Zoonoses** 1983 Jun; 10(1):96–103

Role of veterinary public health in the environmental pollution in Nigeria. Nawathe DR, et al. **Int J Zoonoses** 1983 Dec;10(2):159–63

[Problems of the prevention of zoonotic infections in Siberia and the Far East. Abstracts] **Zh Mikrobiol Epidemiol Immunobiol** 1983 Nov;(11):98–121 (Rus)

TRANSMISSION

Canine diseases of public health significance in Nigeria. Okoh AE. **Int J Zoonoses** 1983 Jun;10(1):33–9

Defining and measuring exposure in epidemiologic studies of potential zoonoses. Kranz JM. **J Am Vet Med Assoc** 1983 Dec 15;183(12):1454–8

Psittacosis of non-avian origin [editorial] **Lancet** 1984 Aug 25;2(8400):442–3

[Diseases arising from contact with animals in an urban tropical milieu] Voelckel J. **Bull Soc Pathol Exot Filiales** 1983 May–Jun;76(3):293–9 (Fre)

[Cats as transmitters of zoonotic organisms. A risk of infection for humans?] Mayer H, et al. **ZFA (Stuttgart)** 1983 Sep 20;59(26):1422–6 (Ger)

[Types of foci of the basic helminthic zoonoses in the USSR] Lelkina ES. **Med Parazitol (Mosk)** 1984 Mar–Apr;(2):51–7 (Eng. Abstr.) (Rus)

ZOOPHAGINAE see VERTEBRATE VIRUSES

ZOOPLANKTON see under PLANKTON

ZOSTER see HERPES ZOSTER

ZOXAZOLAMINE

METABOLISM

In vitro and in vivo activation of oxidative drug metabolism by flavonoids. Lasker JM, et al. **J Pharmacol Exp Ther** 1984 Apr;229(1):162–70

PHARMACODYNAMICS

Effects of zoxazolamine and related centrally acting muscle relaxants on nigrostriatal dopaminergic neurons. Matthews RT, et al. **Brain Res Bull** 1984 May;12(5):479–86

TOXICITY

Effects of cimetidine on theophylline, acetaminophen, and zoxazolamine toxicity in the intact mouse. Lazarte RA, et al. **Dev Pharmacol Ther** 1984;7(1):21–9

ZYGOMA

ABNORMALITIES

[Laboratory studies of several immunologic and biochemical indicators in patients with congenital defects of the 1st and 2d branchial arches] Kotov GA, et al. **Lab Delo** 1983; (11):11–3 (Eng. Abstr.) (Rus)

RADIOGRAPHY

[Assessment of the zygomatic arch in the orthopantomogram] Fischer-Brandies E. **Dtsch Zahnarztl Z** 1983 Dec; 38(12):1073–6 (Eng. Abstr.) (Ger)

SURGERY

Reconstruction of the zygoma, temporo-mandibular joint and mandible using a compound pectoralis major osteo-muscular flap. Jones NF, et al. **Br J Plast Surg** 1983 Oct;36(4):491–7

Malar augmentation [letter] del Rio Legarreta J. **Plast Reconstr Surg** 1984 Jan;73(1):157–8

A new version of the trapezius osteomyocutaneous flap for reconstruction of the lateral wall of the orbit and the malar region. Kenyeres N. **Plast Reconstr Surg** 1984 Aug; 74(2):295–8

ZYGOMATIC FRACTURES

COMPLICATIONS

Morbidity associated with the use of antral packs and external pins in the treatment of the unstable fracture of the zygomatic complex. Finlay PM, et al. **Br J Oral Maxillofac Surg** 1984 Feb;22(1):18–23

Traumatic temporal aneurysm. Snape L. **Br J Oral Maxillofac Surg** 1984 Jun;22(3):208–11

[Clinical study of the complications and sequelae of fractures of the orbito-malar-zygomatic complex] Losapio PL, et al. **Minerva Stomatol** 1983 Nov–Dec;32(6):829–49 (Eng. Abstr.) (Ita)

ETIOLOGY

Major dog attack injuries in children. Wiseman NE, et al. **J Pediatr Surg** 1983 Oct;18(5):533–6

PHYSIOPATHOLOGY

A very complex headache. Morse RH. **J La State Med Soc** 1983 Oct;135(10):37–40

RADIOGRAPHY

[Significance of the early diagnosis of zygomatic fractures] Fischer-Brandies E, et al. **Unfallheilkunde** 1983 Nov; 86(11):472–6 (Eng. Abstr.) (Ger)

SURGERY

Review of the lower blepharoplasty incision as a surgical approach to zygomatic-orbital fractures. Pospisil OA, et al. **Br J Oral Maxillofac Surg** 1984 Aug;22(4):261–8

Refracture of untreated fractures of the zygomatic bone. Rončević R. **J Maxillofac Surg** 1983 Dec;11(6):252–6

External fixation of the unstable zygomatic arch fracture. Ash DC, et al. **J Oral Maxillofac Surg** 1984 Sep;42(9):621–2

Late treatment of malunited malar fractures. Perino KE, et al. **J Oral Maxillofac Surg** 1984 Jan;42(1):20–34

Proplast augmentation for posttraumatic zygomatic deficiency. Block MS, et al. **Oral Surg** 1984 Feb; 57(2):123–31

Circumosseous wiring in facial fractures: a safe percutaneous technique. Puckett CL, et al. **Plast Reconstr Surg** 1983 Dec; 72(6):899–904

[Zygomatic fractures] Bienfait A, et al. **Acta Chir Belg** 1984 Jan–Feb;84(1):1–6 (Eng. Abstr.) (Fre)

[Transconjunctival incision and lateral canthotomy. A suitable approach for orbital floor and zygomatic bone correction] Stoll W, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Feb;63(2):45–7 (Eng. Abstr.) (Ger)

[Surgical correction of the ophthalmological complications in patients with traumatic deformities of the zygomatico-orbital area] Grusha OV, et al. **Vestn Oftalmol** 1983 Nov–Dec;(6):30–3 (Eng. Abstr.) (Rus)

THERAPY

A simple zygomatic splint [letter] Thomson ER. **Br Dent J** 1983 Oct 22;155(8):257

A simple zygomatic splint [letter] Walters H. **Br Dent J** 1984 Jan 7;156(1):8

The trans-nasal Kirschner wire as a method of fixation of the unstable fracture of the zygomatic complex. Brown J, et al. **Br J Oral Surg** 1983 Sep;21(3):208–13

ZYGOMYCETES

Disseminated basidiobolomycosis in a dog. Miller RI, et al. **Vet Pathol** 1984 Jan;21(1):117–9

CLASSIFICATION

Prevalence of Basidiobolus ranarum Eidam in the intestinal tract of an insectivorous bat, Rhinopoma hardwickei hardwickei Gray, in Delhi. Chaturvedi VP, et al. **Sabouraudia** 1984;22(3):185–9

CYTOLOGY

[Blastocystis hominis: morphological study using optical and electron microscopy] Van Saanen-Ciurea M, et al. **Bull Soc Pathol Exot Filiales** 1983 Dec;76(5 Pt 2):766–76 (Eng. Abstr.) (Fre)

DRUG EFFECTS

In vitro susceptibilities of human and wild-type isolates of Basidiobolus and Conidiobolus species. Yangco BG, et al. **Antimicrob Agents Chemother** 1984 Apr;25(4):413–6

GENETICS

Nucleosome DNA repeat length and histone complement in a fungus exhibiting condensed chromatin. Ralph-Edwards A, et al. **Exp Cell Res** 1983 Oct 15; 148(2):363–76

GROWTH & DEVELOPMENT

[Kinetics of the mycelial growth of Conidiobolus obscurus] Latgé JP, et al. **Ann Microbiol (Paris)** 1983 May–Jun; 134(3):267–79 (Eng. Abstr.) (Fre)

ISOLATION & PURIFICATION

Blastocystis hominis: a neglected cause of diarrhoea? [letter] Ricci N, et al. **Lancet** 1984 Apr 28;1(8383):966

Disseminated infection with Conidiobolus incongruus. Busapakum R, et al. **Sabouraudia** 1983 Dec;21(4):323–30

A Basidiobolus sp. and its association with reptiles and amphibians in southern Florida. Okafor JI, et al. **Sabouraudia** 1984;22(1):47–51

ULTRASTRUCTURE

Ultrastructural aspects of Blastocystis hominis. Silard R, et al. **Arch Roum Pathol Exp Microbiol** 1983 Apr–Sep; 42(2–3):233–42

ZYGOTE

ANALYSIS

Shortest nucleosomal repeat lengths during sea urchin development are found in two-cell embryos. Chambers SA, et al. **Biochemistry** 1983 Nov 22;22(24):5626–31

Localization of tubulin and microtubules of in vivo fertilized rabbit oocytes. Stambaugh RL, et al. **J Androl** 1984 Jul–Aug;5(4):259–64

CYTOLOGY

Cytoplasmic phases in the first cell cycle of the activated frog egg. Elinson RP. **Dev Biol** 1983 Dec;100(2):440–51

The embryonic cell lineage of the nematode Caenorhabditis elegans. Sulston JE, et al. **Dev Biol** 1983 Nov;100(1):64–119

Pattern formation by interaction of three cytoplasmic factors in the egg of the leafhopper Euscelis plebejus. Vogel O. **Dev Biol** 1983 Sep;99(1):166–71

The centrosome cycle in the mitotic cycle of sea urchin eggs. Paweletz N, et al. **Exp Cell Res** 1984 May;152(1):47–65

Increased free Ca2+ levels delay the onset of mitosis in fertilized and artificially activated eggs of the sea urchin. Wagenaar EB. **Exp Cell Res** 1983 Oct;148(1):73–82

Evidence for a functional role of the cytoskeleton in determination of the dorsoventral axis in Xenopus laevis eggs. Ubbels GA, et al. **J Embryol Exp Morphol** 1983 Oct; 77:15–37

[Development and evaluation of bovine embryos recovered from superovulated donor animals] Hahn J, et al. **DTW** 1983 Oct 6;90(10):420–4 (Eng. Abstr.) (Ger)

[Isolation of viable karyo- and cyoplasts from the fertilized ova of mice using Ficoll-gradient centrifugation] Dyban AP, et al. **Ontogenez** 1983 Jul–Aug;14(4):420–6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Effect of bovine serum albumin concentration on the development of ovine embryos in vitro. Lindner GM, et al. **J Anim Sci** 1983 Aug;57(2):466–72

The effects of amino acids, cumulus cells, and bovine serum albumin on in vitro fertilization and first cleavage of hamster eggs. Juetten J, et al. **J Exp Zool** 1983 Sep; 227(3):487–90

The effect of fluoride on fertilized eggs of a freshwater fish, Catla catla (Hamilton). Pillai KS, et al. **Toxicol Lett** 1984 Aug;22(2):139–44

[Experimental study on the effect of acetylspiramycin on the fertilized ova] Suzuki S, et al. **Jpn J Antibiot** 1983 Jun; 36(6):1562–8 (Eng. Abstr.) (Jpn)

METABOLISM

Lateral mobility of plasma membrane lipids in Xenopus eggs: regional differences related to animal/vegetal polarity. Bluemink JG, et al. **Cell Biol Int Rep** 1984 Apr;8(4):269

Relationships between DNA synthesis and mitotic events in fertilized sea urchin eggs: aphidicolin inhibits DNA synthesis, nuclear breakdown and proliferation of microtubule organizing centers, but not cycles of microtubule assembly. Nishioka D, et al. **Cell Biol Int Rep** 1984 Apr;8(4):337–46

Effects of emetine on initiation of DNA synthesis in embryonic cells of sea urchin. Watanabe N, et al. **Cell Differ** 1983 Nov;13(3):239–45

Increased uptake of thymidine in the activation of sea urchin eggs. III. Effects of aphidicolin. Nishioka D, et al. **J Cell Physiol** 1984 Jan;118(1):27–33

PHYSIOLOGY

Generation of asymmetry and segregation of germ-line granules in early C. elegans embryos. Strome S, et al. **Cell** 1983 Nov;35(1):15–25

Yields of tubulin paracrystals, vinblastine-crystals, induced in unfertilized and fertilized sea urchin eggs in the presence of D2O. Takahashi TC, et al. **Cell Struct Funct** 1984 Mar; 9(1):45–52

Electrical response to fertilization in ascidian oocytes. Dale B, et al. **Dev Biol** 1983 Sep;99(1):188–93

Dopaminergic regulation of hatching in fish embryos. Schoots AF, et al. **Dev Biol** 1983 Nov;100(1):59–63

Spontaneous action potentials and resting potential shifts in fertilized eggs of the tunicate Clavelina. Thompson S, et al. **Dev Biol** 1983 Sep;99(1):121–31

Follicular steroids as a prognosticator of successful fertilization of human oocytes in vitro. Fishel SB, et al. **J Endocrinol** 1983 Nov;99(2):335–44

Heat shock proteins, first major products of zygotic gene activity in mouse embryo. Bensaude O, et al. **Nature** 1983 Sep 22–28;305(5932):331–3

[Thermal selection of zygotes and heat resistance of the body and muscle tissue in tadpoles] Chernokozheva IS. **Tsitologiia** 1984 May;26(5):571–6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Further analysis of the effect of ultra-violet irradiation on the formation of the germ line in Xenopus laevis. Thomas V, et al. **J Embryol Exp Morphol** 1983 Aug;76:67–81

ULTRASTRUCTURE

Visualization of pronuclei in living bovine zygotes. Minhas BS, et al. **Biol Reprod** 1984 Apr;30(3):687–91

Sperm nuclear dispersion coordinate with meiotic maturation in fertilized Spisula solidissima eggs. Chen DY, et al. **Dev Biol** 1983 Sep;99(1):217–24

Freeze-fracture electron microscopy of membrane changes

in progesterone-induced maturing oocytes and eggs of Xenopus laevis. Bluemink JG, et al. **Eur J Cell Biol** 1983 Jul;31(1):85–93

Initiation of two-way cortical traffic after fertilization in sea urchin eggs. Rebhun LI, et al. **J Cell Biol** 1984 Jul;99(1 Pt 2):129s–131s

Meiosis and early cleavage in Drosophila melanogaster eggs: effects of the claret-non-disjunctional mutation. Kimble M, et al. **J Cell Sci** 1983 Jul;62:301–18

Experimental analyses of cytoplasmic rearrangements which follow fertilization and accompany symmetrization of inverted Xenopus eggs. Neff AW, et al. **J Embryol Exp Morphol** 1984 Apr;80:197–224

[The human ovum and research – an overview of problems related to fertilization and division] Nilsson BO. **Lakartidningen** 1983 Nov 30;80(48):4659–62 **(Swe)**

ZYMOSAN

[Slow reacting substance from human peripheral polymorphonuclear leukocytes by incubation with fresh autologous serum and zymosan. Part 1. Requirement for SRS release from PMNs and comparison of the behavior of synthetic leukotrienes and SRS released from human PMN on HPLC] Kishimoto M, et al. **Arerugi** 1983 Dec; 32(12):1180–5 (Eng. Abstr.) **(Jpn)**

BLOOD

Human leukocyte phagocytosis of zymosan particles measured by flow cytometry. Bjerknes R, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1983 Oct; 91(5):341–8

Kinetics of neutrophil accumulation in acute inflammatory lesions induced by chemotaxins and chemotaxinigens. Colditz IG, et al. **J Immunol** 1984 Oct;133(4):2169–73

IMMUNOLOGY

Enhancement of IGE-induced mediator release from rat peritoneal mast cells by serum-treated zymosan. Otani I, et al. **Cell Immunol** 1984 Sep;87(2):400–10

The effect of an infusion of zymosan-activated plasma on hemodynamic and pulmonary function in sheep. Sharkey P, et al. **Circ Shock** 1984;12(2):79–93

Exocytosis of zymosan particles by human phagocytes. Bjerknes R. **Scand J Haematol** 1984 Aug;33(2):197–206

METABOLISM

Receptor-mediated phagocytosis of zymosan is unaffected by some conditions which reduce macrophage lysosomal enzyme secretion. Bodmer JL, et al. **Biosci Rep** 1983 Nov; 3(11):1053–61

Resistance of Nocardia asteroides to oxygen-dependent killing by neutrophils. Filice GA. **J Infect Dis** 1983 Nov; 148(5):861–7

PHARMACODYNAMICS

Scanning electron microscopic analysis of Kupffer cell proliferation after zymosan administration. Kawaguchi K. **Acta Med Okayama** 1984 Feb;38(1):11–9

The effect of serum opsonins on the phagocytosis of Staphylococcus aureus and zymosan particles, measured by flow cytometry. Bassøe CF, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Feb; 92(1):51–8

Opsonized-zymosan induces a respiratory burst in human blood platelets. Del Principe D, et al. **Am J Hematol** 1983 Dec;15(4):353–60

Chemotactic factor production by rat polymorphonuclear leukocytes: stimulation with opsonized zymosan particles and inhibition by dexamethasone. Kurihara A, et al. **Biochem Biophys Res Commun** 1984 Mar 15;119(2):720–5

Activation of the human neutrophil respiratory burst with zymosan-activated serum. Smith RJ, et al. **Biochem Biophys Res Commun** 1984 Jun 15;121(2):695–701

Biosynthesis and transport of lysosomal enzymes in human monocytes and macrophages. Effects of ammonium chloride, zymosan and tunicamycin. Imort M, et al. **Biochem J** 1983 Sep 15;214(3):671–8

Enhanced prothrombin-converting activity and factor Xa binding of platelets activated by the alternative complement pathway. Ozge-Anwar AH, et al. **Br J Haematol** 1984 Jun; 57(2):221–8

Induction of zymosan-air-pouch inflammation in rats and its characterization with reference to the effects of anticomplementary and anti-inflammatory agents. Konno S, et al. **Br J Pharmacol** 1983 Oct;80(2):269–77

Importance of local proliferation in the expanding Kupffer cell population of rat liver after zymosan stimulation and partial hepatectomy. Bouwens L, et al. **Hepatology** 1984 Mar-Apr;4(2):213–9

Control of immune complex and zymosan-mediated anaphylatoxin generation by proteins B and H of the alternative complement pathway. Kings M, et al. **Immunology** 1984 Jan;51(1):123–31

Differential activation of phosphatidylinositol deacylation and a pathway via diphosphoinositide in macrophages responding to zymosan and ionophore A23187. Emilsson A, et al. **J Biol Chem** 1984 Mar 10;259(5):3111–6

Effect of platelet-activating factor and serum-treated zymosan on prostaglandin E2 synthesis, arachidonic acid release, and contraction of cultured rat mesangial cells. Schlondorff D, et al. **J Clin Invest** 1984 Apr;73(4):1227–31

Neutrophil-mediated cellular cytotoxicity induced by zymosan-activated serum. Dallegri F, et al. **J Clin Lab Immunol** 1984 Feb;13(2):89–92

Zymosan activation of plasma reduces hypoxic pulmonary vasoconstriction. Weir EK, et al. **Respir Physiol** 1983 Sep; 53(3):295–306

A comparative analysis of macrophage activation in C57B1/6 mice treated with inflammatory compounds or bearing Lewis lung carcinoma. Lipari M, et al. **Ric Clin Lab** 1983 Oct-Dec;13(4):413–21

Suppression of zymosan-induced chemiluminescence of whole blood by conjugates composed of drug, guinea pig skin extracts and sera from patients with suspicious drug eruptions. Kato T, et al. **Tohoku J Exp Med** 1983 Dec; 141(4):433–41

Zymosan-induced chemiluminescence of granulocytes in incubated human whole blood. The role of platelets. Kato T, et al. **Tohoku J Exp Med** 1983 Dec;141(4):423–31

[Activation of the mononuclear phagocyte system by microbial stimulators] Maianskiĭ DN, et al. **Patol Fiziol Eksp Ter** 1983 Jul-Aug;(4):52–5 (Eng. Abstr.) **(Rus)**

[Use of tetracycline as a photosensitizer in exposure to argon laser rays in zymosan arthritis in rats] Tupikin GV, et al. **Revmatologiia (Moskva)** 1983 Jul-Sep;(3):32–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Effect of nonspecific stimulators on body resistance to tumor growth] Bulbuk GA. **Patol Fiziol Eksp Ter** 1983 Sep-Oct; (5):66–9 (Eng. Abstr.) **(Rus)**

☆ U.S. GOVERNMENT PRINTING OFFICE: 1985—457-014